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F-111D D,T&E EVALUATION OF ENVIRONMENTAL CONTROL, AIRFRAME, FLIGHT CONTROL , AND SECONDARY POWER SUBSYSTEMS

APPENDIX II

RICHARD W. OLSON
Captain, USAF
Project Engineer

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TECHNICAL REPORT No. 73-6

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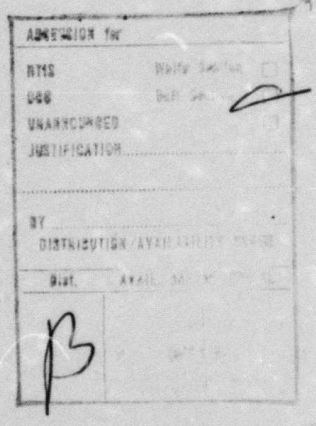

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(16) AFFTC-68-11A

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FOREWORD

This presents appendix II to Air Force Flight Test Center Technical Report No. FTC-TR-73-6. The tests were conducted by AFFTC personnel in the Eglin AFB, Florida, Climatic Laboratory, from 8 March through 31 March 1972. Results of the tests in addition to the above document have been previously published in the F-111D DT&E Monthly Reports, deficiency reports, and unsatisfactory reports. Authorization for the tests was AFFTC Project Directive 68-11A.

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GENERAL TEST AND INSTRUMENTATION DESCRIPTION

During the desert and tropic climatic laboratory test phases of the F-111D climatic test program, 11.5 hours of test time were accumulated during 11 test runs. Four test runs were selected as being the most representative of aircraft operation in regions with ambient temperatures varying from 70 to 125 degrees F and under varying relative humidities. All available data obtained on these test runs are presented in this document as computer printouts.

The instrumentation system used for the climatic laboratory phase consisted of a recording system furnished by the Air Force Flight Test Center (AFFTC) and transducers and wiring furnished and installed by Convair Aerospace Division of General Dynamics Corporation, Fort Worth, Texas. The Airborne Digital Data Acquisition System (ADDAS), Teledyne Model 1160-1, used a Borg-Warner Magnetic Tape Recorder (Model R-206-101-06). The ADDAS controlled the sampling rate of seven commutators. A total of 206 parameters was measured by the various thermocouples and pressure transducers connected to these commutators. Analog data were converted to digital form and recorded on the variable speed, continuous-run recorder. Recorded tapes were processed on the CDC 6600 computer at Eglin AFB and on the CDC 6500 computer at Edwards AFB to produce expanded, finished data printouts.

An instrumentation parameter listing (table I) is furnished and is broken down by subsystem. Refer to the Instructions for Data Use for an explanation of the table. Following the listing is a test run summary of all data runs made (table II).

To convey fully just what was tested, what data were taken, and in what order, a test sequence (table III) has been furnished, followed by data reading instructions for the tabulated data.

The tabulated data are preceded by a test synopsis and data event sheet so that portions of the data can be more easily interpreted as to which item was under test at any given time.

INSTRUCTIONS FOR DATA USE

The tabulated data in this document have been selected to be representative of a test run at each temperature level. Some of the output is not straightforward and requires explanation. That information is provided below. For publication purposes, the output on most of the tabulated parameters has been condensed, showing a printed value about every 5 seconds. Owing to system error, the tabulated data should be treated as accurate to ±5 percent of the actual value.

Codes are assigned to all parameters by subsystem. They are: EC - Environmental Control; AF - Airframe; FC - Flight Controls; CS - Crew Station; PR - Propulsion; SP - Secondary Power; and IN - Instrumentation event marks. The Instrumentation Parameter Listing relates the parameter names, units, and parameter ranges. A group index number is included to provide a quick reference to parameters in the tabulated listings. This group index number appears on the upper left corner of the data pages.

Wildpoints or inconsistencies should be obvious. They are indicated by asterisks, the word "low", or by a much higher or lower single parameter value.

The exhaust outlet temperatures of the avionics units were measured and are given as parameters EC68 through 76, and EC80 through 91. The respective units are identified in the index.

A list of inoperative parameters is furnished in each test synopsis.

Table I

INSTRUMENTATION PARAMETER LISTING

Identification No.	Test Item	Range	Group Index No.
EC-01	Pressure, cabin altitude	0 to 15 psia	3
EC-02	Rate, pressure altitude	± 84k ft/min	1
EC-03	Temperature, ram air	-100 to 50°C	2
EC-04	Temperature, air, pilot's head level	-65 to 300°F	3
EC-05	Temperature, air, pilot's foot level	-65 to 300°F	3
EC-06	Temperature, floor, pilot's sta	-65 to 300°F	4
EC-07	Temperature, air, pilot's waist level	-65 to 300°F	3
EC-08	Temperature, air, WSO's head level	-65 to 300°F	3
EC-09	Temperature, air, WSO's foot level	-65 to 300°F	3
EC-10	Temperature, floor, WSO's crew sta	-65 to 300°F	4
EC-11	Temperature, air, WSO's waist level	-65 to 300°F	3
EC-12	Temperature, cabin air, R/H defog outlet	-65 to 300°F	3
EC-13	Temperature, cabin air, L/H defog outlet	-65 to 300°F	3
EC-14	Temperature, cabin air, L/H defog outlet	-65 to 300°F	4
EC-15	Temperature, cabin air, inlet at sensor 1-12	-65 to 300°F	4
EC-16	Temperature, cabin air inlet at duct tee	-65 to 300°F	4
EC-17	Temperature, air, cabin exit	-65 to 300°F	4
EC-18	Temperature, air behind pilot's panel	-65 to 300°F	4
EC-19	Temperature, air behind WSO's panel	-65 to 300°F	4
EC-20	Temperature, surface, windshield bottom	-65 to 300°F	4
EC-21	Temperature, surface, windshield center	-65 to 300°F	4
EC-22	Position, temp controller	0 to 100%	2
EC-23	Temperature, air, upstream bleed air regulator	0 to 1,100°F	3
EC-24	Pressure, upstream of bleed air regulator	0 to 300 psid	4
EC-25	Flow, pressure, upstream of bleed air regulator	0 to 5 psid	4
EC-26	Temperature, air, downstream of service air regulator	0 to 1,100°F	4
EC-27	Pressure, downstream of service air regulator	0 to 100 psid	5
EC-28	Flow, pressure, downstream of service air regulator	0 to 5 psid	5
EC-29	Temperature, ECS air, upstream of water separator	-130 to 280°F	5
EC-30	Pressure, upstream of water separator	0 to 20 psid	5
EC-31	Flow pressure, upstream of water separator	0 to 5 psid	16
EC-32	Temperature, air, main cabin supply at flow tube	-65 to 250°F	5
EC-33	Pressure, main cabin at flow tube	0 to 20 psid	5
EC-34	Flow, pressure, main cabin supply	0 to 5 psid	16
EC-35	Temperature, air, fwd equip bay at venturi	-65 to 250°F	5
EC-36	Pressure, static, fwd equip bay at venturi	0 to 200 psid	6
EC-37	Flow pressure, fwd equip bay at venturi	0 to 5 psid	16
EC-38	Temperature, air, downstream of primary heat exchanger	-65 to 700°F	6
EC-39	Pressure, static, downstream of primary heat exchanger	0 to 100 psid	5

Table I (Continued)

Identification No.	Test Item	Range	Group Index No.
EC-40	Temperature, air, ram inlet, R/H primary heat exchanger	-65 to 450°F	6
EC-44	Temperature, ECS air, downstream of compressor	0 to 1,100°F	5
EC-45	Temperature, air, inlet ECS turbine	-65 to 300°F	5
EC-46	Temperature, air, outlet	-130 to 280°F	5
EC-47	Pressure, ECS turbine inlet	0 to 200 psid	5
EC-48	Pressure, static, ECS turbine outlet	0 to 20 psid	5
EC-49	Temperature, air, downstream of hot air sensor	0 to 550°F	6
EC-50	Pressure, static, downstream of hot air sensor	0 to 100 psid	6
EC-51	Air cond turbine speed	0 to 100k rpm	5
EC-52	Temperature, outlet, rain removal nozzle	-65 to 45°F	6
EC-53	Pressure, rain removal nozzle outlet	0 to 100 psid	6
EC-54	Pressure, reference course	0.5 to 60" Hg	6
EC-55	Pressure, reference total	0 to 60" Hg	6
EC-56	Pressure, primary heat exchanger ram air sub inlet 1	0 to 40 psid	7, 14
EC-57	Pressure, primary heat exchanger ram air sub inlet 2	0 to 40 psid	7
EC-58	Pressure, primary heat exchanger ram air sub inlet 3	0 to 40 psid	7
EC-59	Pressure, static, primary heat exchanger header inlet	0 to 5 psid	7
EC-60	Pressure, static, primary heat exchanger header outlet	0 to 30 psid	7
EC-63	Pressure, static, service air heat exchanger ram inlet header	0 to 5 psid	6
EC-64	Pressure, static, service air heat exchanger ram exit header	0 to 5 psid	6
EC-65	Pressure, static, ram air inlet	-1 to 29 psid	7
EC-66	Temperature, air, downstream of anti-ice shut-off value	-65 to 450°F	16
EC-67	Temperature, manifold vortex gen	-65 to 450°F	8
EC-68	Temperature No. 1, air, L/H fwd electronic bay,doppler processor	-65 to 300°F	11
EC-69	Temperature No. 2, air, L/H fwd electronic bay, low voltage power supply	-65 to 300°F	11
EC-70	Temperature No. 3, air, L/H fwd electronic bay, electronic processor unit	-65 to 300°F	7, 11
EC-71	Temperature No. 4, air, L/H fwd electronic bay, transmitter heat exchanger inlet	-65 to 300°F	11
EC-72	Temperature No. 5, air, L/H fwd electronic bay, transmitter heat exchanger outlet	-65 to 300°F	11
EC-73	Temperature No. 6, air, L/H fwd electronic bay, CADC	-65 to 300°F	11
EC-74	Temperature No. 7, air, L/H fwd electronic bay, navigation computer unit	-65 to 300°F	11
EC-75	Temperature No. 8, air, L/H fwd electronic bay, master frequency generator	-65 to 300°F	12
EC-76	Temperature No. 9, air, L/H fwd electronic bay, inertial reference unit	-65 to 300°F	12

Table I (Continued)

Identification No.	Test Item	Range	Group Index No.
EC-80	Temperature No. 1, air, R/H fwd electronic bay, transmitter synchronizer	-65 to 300°F	12
EC-81	Temperature No. 2, air, R/H fwd electronic bay, R/H TFR computer	-65 to 300°F	12
EC-82	Temperature No. 3, air, R/H fwd electronic bay, signal transfer unit, exhaust air	-65 to 300°F	12
EC-83	Temperature No. 4, air, R/H fwd electronic bay, doppler electronic unit	-65 to 300°F	12
EC-84	Temperature No. 5, air R/H fuel electronic bay, general navigation computer	-65 to 300°F	12
EC-85	Temperature No. 6, air R/H fwd electronic bay, converter set (bottom)	-65 to 300°F	12
EC-86	Temperature No. 7, air, R/H fwd electronic bay, weapon delivery computer	-65 to 300°F	12
EC-88	Temperature No. 9, air, R/H fwd electronic bay, signal transfer unit, inlet ambient air	-65 to 300°F	12
EC-89	Temperature No. 10, air R/H fwd electronic bay, ARS power supply	-65 to 300°F	12
EC-90	Temperature No. 11, air, R/H fwd electronic bay, converter set (top)	-65 to 300°F	12
EC-91	Temperature No. 12, air, R/H fwd electronic bay, maintenance control unit	-65 to 300°F	13
EC-92	Pressure, diff, L/H electronic bay	0 to 5 psid	3
EC-93	Pressure, diff, R/H electronic bay	0 to 5 psid	3
EC-94	Temperature, fwd equip bay aft cheek L/H	-65 to 300°F	11
EC-95	Temperature, aft equip bay aft cheek L/H	-65 to 300°F	11
EC-96	Temperature, fwd equip bay aft cheek R/H	-65 to 300°F	11
EC-97	Temperature, aft equip bay aft cheek R/H	-65 to 300°F	11
EC-98	Temperature, ambient, fin tip compt	-65 to 300°F	14
EC-99	Temperature, air, R/H ram exit primary heat	0 to 1,100°F	6
EC-100	Temperature, air R/H ram exit exchanger	0 to 1,100°F	6
EC-101	Temperature, air, R/H ram exit exchanger	0 to 1,100°F	6
EC-102	Temperature, radome area top sta 24	-65 to 300°F	10
EC-103	Temperature, radome area top sta 72	-65 to 300°F	10
EC-104	Temperature, radome area top sta 120	-65 to 300°F	10
EC-105	Temperature, radome area lower sta 124	-65 to 300°F	10
EC-106	Temperature, ambient main wheel well	-65 to 300°F	9
EC-107	Temperature, ambient main wheel well fwd R/H	-65 to 300°F	9
EC-108	Temperature, ambient main wheel well aft L/H	-65 to 300°F	9
EC-109	Temperature, ambient main wheel well aft R/H	-65 to 300°F	10
EC-110	Temperature, weapons bay sta 460	-65 to 300°F	10
EC-111	Temperature, weapons bay sta 400	-65 to 300°F	10
EC-112	Temperature, weapons bay sta 341	-65 to 300°F	10
EC-113	Temperature, weapons bay sta 276	-65 to 300°F	10
EC-114	Temperature, emergency generator air cooling exit	-65 to 300°F	16
AF-1A	Initiation, landing gear up	On(1)-off(0)	1
AF-1B	Initiation, landing gear down	On(1)-off(0)	1
AF-2A	Position, main landing gear up	Up and locked (1) or off (0)	1

Table I (Continued)

Identification No.	Test Item	Range	Group Index No.
AF-2B	Position, main landing gear down	Down and locked (1) or off (0)	1
AF-3A	Position, nose landing gear up	Up and locked (1) or off (0)	1
AF-3B	Position, nose landing gear down	Down and locked (1) or off (0)	1
AF-4	Total fuel quantity	0 to 80k lbs	2
AF-5	Flow, total fuel L/H eng	0 to 80k pph	15
AF-6	Temperature, fuel tank trap bottom center	-65 to 300°F	16
AF-7	Temperature, fuel inlet, main fuel controller L/H eng	-65 to 300°F	13
AF-8	Temperature, fuel, main controller outlet L/H eng	-65 to 300°F	13
AF-9	Temperature, fuel inlet, A/B fuel controller L/H eng	-65 to 300°F	13
AF-10	Pressure, A/B fuel controller inlet	0 to 2k psig	8
AF-11	Pressure, A/B fuel controller outlet	0 to 500 psig	8
AF-12	Pressure, fuel controller outlet L/H eng	0 to 750 psig	9
AF-13	Pressure, fuel boost pump outlet L/H eng	0 to 50 psig	9
AF-14	Pressure, air, fwd fuel tank	0 to 15 psig	8
AF-15	Temperature, fuel inlet, hydraulic cooler, utility	-65 to 300°F	13
AF-16	Temperature, fuel outlet, hydraulic cooler utility	-65 to 300°F	13
AF-17	Temperature, fuel outlet, fuel-oil cooler L/H eng	-65 to 300°F	14
AF-18	Pressure, fuel, oil L/H eng	0 to 500 psig	8
AF-19	Temperature, oil, outlet, fuel oil cooler L/H eng	-65 to 350°F	13
AF-20	Temperature, oil, outlet, A/B fuel oil cooler L/H eng	-65 to 300°F	13
AF-21	Pressure, A/B fuel, oil cooler outlet L/H eng	0 to 100 psig	9
AF-22	Temperature, oil tank L/H eng	-65 to 350°F	13
AF-23	Pressure, oil tank breather L/H eng	0 to 30 psig	9
AF-24	Pressure, P&D valve primary fuel outlet L/H eng	0 to 750 psig	9
AF-25	Pressure, P&D valve secondary fuel outlet L/H eng	0 to 750 psig	9
AF-26	Temperature, air inlet-oil cooler L/H eng	-65 to 450°F	16
AF-27	Temperature, oil inlet, air-oil cooler L/H eng	-65 to 350°F	13
AF-28	Temperature, oil outlet, air-oil cooler L/H eng	-65 to 350°F	13
AF-29	Pressure, air cooler outlet, L/H eng	0 to 500 psig	16
AF-30	Pressure, main lube pump outlet, L/H eng	0 to 500 psig	9
AF-31	Temperature, skin, wing upper L/H outboard	-65 to 300°F	15
AF-32	Temperature, skin, wing upper L/H inboard	-65 to 300°F	15
AF-33	Temperature, skin, wing R/H outboard	-65 to 300°F	15
AF-34	Temperature, skin, wing upper R/H inboard	-65 to 300°F	15
AF-35	Temperature, skin mass sta 372	-65 to 300°F	9

Table I (Continued)

Identification No.	Test Item	Range	Group Index No.
AF-36	Temperature, skin mass sta 477	-65 to 300°F	10
AF-37	Temperature, skin, tail L/H sta 687	-65 to 300°F	14
AF-38	Temperature, skin, tail R/H sta 687	-65 to 300°F	14
AF-39	Bulkhead sta 476	-65 to 300°F	17
AF-40	Lower cap on wing pivot	-65 to 300°F	17
AF-41	Wing pivot	-65 to 300°F	17
AF-42	Upper frame sta 770	-65 to 300°F	17
FC-01	Position, flap and slat	0 to 40°, in-out	2
FC-02	Position, wing sweep	16 to 72.5°	2
FC-03	Position, speed brake door	0 to 75°	2
IN-03	Event, marker, camera switch	on-off	1
IN-04	Initiation, eng start L&R	off-on	1
CS-01	Airspeed, true	50 to 1k KTAS	1
CS-02	Mach number	0.12 to 2.8M	1
CS-03	Pressure, altitude	-1.5 to 80k	3
CS-04	Heading, aircraft	0 to 360°	1
CS-05	Attitude, pitch	±90°	15
CS-06	Attitude, roll	±180°	15
CS-07	Angle of attack, true	-10 to 25°	16
PR-01	N1 tack gen L/H eng	0 to 11k rpm	15
PR-02	N2 tack gen L/H eng	0 to 16k rpm	15
PR-03	Temperature, turbine inlet (Tt5) L/H eng	0 to 1,250°C	1
PR-04	Pressure, eng ratio L/H	1 to 3 ratio	15
PR-05	Position, nozzle L/H eng	0 to 100%	2
PR-06	Position, throttle L/H eng	0 to 120°	3
PR-07	Temperature, L/H eng Compt top fwd sta 650	-65 to 450°F	14
PR-08	Temperature, L/H eng compt bottom fwd sta 650	-65 to 450°F	14
PR-09	Temperature, L/H eng compt inboard fwd sta 650	-65 to 450°F	14
PR-10	Temperature, L/H eng compt outboard fwd sta 650	-65 to 450°F	14
PR-11	Temperature, L/H eng compt top aft sta 770	-65 to 450°F	14
PR-12	Temperature, L/H eng compt bottom aft sta 770	-65 to 450°F	14
PR-13	Temperature, CSD, L/H eng	-65 to 350°F	7
PR-14	Temperature, gear case, L/H eng	-65 to 350°F	8
PR-15	Temperature, main fuel controller, L/H eng	-65 to 300°F	8
PR-16	Temperature, starter, L/H eng	-65 to 300°F	14
PR-17	Temperature, air, bleed to R/H starter	100 to 1,200°F	16
PR-18	Pressure, cartridge starter chamber	0 to 1k psig	1
PR-19	Pressure, air bleed to starter L/H engine	0 to 50 psig	15
PR-20	Temperature, oil CSD inlet L/H eng	-65 to 300°F	10
PR-21	Pressure, oil inlet, CSD L/H eng	0 to 300 psig	9
PR-22	Temperature, oil, CSD outlet L/H eng	-65 to 300°F	10
PR-23	Pressure oil outlet, CSD L/H eng	0 to 300 psig	9
PR-24	Temperature, air inlet aux lip	- 65 to 450°F	7
PR-25	Temperature, air inlet, L/H cowl lip	-65 to 450°F	7
PR-26	Temperature, surface, L/H aux lip	-65 to 450°F	7

Table I (Concluded)

Identification No.	Test Item	Range	Group Index No.
PR-27A	Temperature, surface, L/H cowl lip at 25°F location	-65 to 450°F	7
PR-27B	Temperature, surface L/H cowl lip at 59°F location	-65 to 450°F	7
PR-28	Temperature, air inlet, spike tip L/H	-65 to 450°F	7
PR-29	Temperature, surface, spike tip	-65 to 450°F	8
PR-30	Temperature, surface, fwd part of moveable spike	-65 to 450°F	15
PR-31	Temperature, air inlet, eng anti-ice into front frame	-65 to 450°F	8
SP-01	Temperature, hydraulic oil, inlet utility pump	-65 to 300°F	11
SP-02	Pressure, hydraulic oil inlet utility pump	0 to 150 psig	8
SP-03	Temperature, hydraulic oil, outlet utility pump	-65 to 300°F	13
SP-04	Pressure, hydraulic oil, outlet utility pump	0 to 5k psig	8
SP-05	Temperature, hydraulic oil, inlet primary pump	-65 to 300°F	11
SP-06	Pressure, hydraulic oil, inlet primary pump	0 to 150 psig	8
SP-07	Temperature, hydraulic oil. outlet primary pump	-65 to 300°F	13
SP-08	Pressure, hydraulic oil, outlet primary pump	0 to 5k psig	8
SP-09	Temperature, hydraulic oil utility inlet cooler	-65 to 300°F	14
SP-10	Temperature, hydraulic oil outlet utility cooler	-65 to 300°F	14
SP-11	Temperature, hydraulic oil utility reservoir	-65 to 300°F	10
SP-12	Temperature, hydraulic oil primary inlet, rudder actuator	-65 to 300°F	10
SP-13	Temperature hydraulic oil, inlet hydraulic cooler R/H	-65 to 300°F	16
SP-14	Temperature hydraulic oil outlet cooler R/H	-65 to 300°F	16
SP-15	Frequency, AC gen L/H	400 Hz	16
SP-16	Voltage, main dc buss	0 to 28 VDC	15

Table II

TEST RUN SUMMARY

Test No.	Test Temperature (deg F)	Date (March 1972)	Temperature Soak Time (hr:min)	Rainfall		Test Time (hr:min)	Total Test Time (hr:min)
				Rate (in. per hr)	Amount (in.)		
70-6	70	12	51:22	-	-	1:27	-
85-1	85	14	38:14	2	45.3*	1:56	3:23
85-2	85	16	46:07	4	148.0*	1:28	4:51
125-1A	125	22	34:25	-	-	0:54	5:45
125-1B	125	22	-	-	-	0:20	6:05
125-1C	125	23	19:46	-	-	0:28	6:33
85-S	85	25	25:08	4	106.7**	0:29	7:02
105-1	105	26	21:09	-	-	1:00	8:02
85-3	85	28	34:12	4	62.0*	1:40	9:42
105-2	105	30	19:22	-	-	0:51	10:33
70-7	70	31	17:19	-	-	0:56	11:29

*"Rain" was stopped just before start of test.

**"Rain" continued during test and stopped upon completion.

Table III

TEST SEQUENCE

PREFLIGHT

1. Perform FOD inspection and walkaround, stations 3, 4, 5, 6, 7. Rotate first stage turbine.
2. Communications check of all stations 0-7, control, air makeup, blue room, data, lab.
3. Comply with before starting engines procedures.
4. Verify squat switches are engaged.
5. Connect ground electrical power, cooling air, and service air.
6. Perform UHF check as follows: UHF radio switch - BOTH; check for side tone: depress tone button; check for tone: UHF radio switch - OFF.
7. Aft console - Checked.
   a. All circuit breakers - In.
   b. Computer power switches (3) - ON.
   c. Central air data computer power switch - POWER.
   d. Ground ignition cutoff switch - NORM.
   e. Gyros power switch - GYROS.
   f. Mach trim test switch - NORM.
   g. Fire detect switches - NORM.
8. Utility lights - Stowed as desired.
9. Perform cockpit interphone check as follows:
   a. Station 1 - HOT MIC talk to station 2.
   b. Station 2 - HOT MIC talk to station 1.
   c. Repeat steps 1 and 2 on COLD MIC.
10. Perform HF check as follows:
   a. Set HF radio on Eglin control tower frequency.
   b. Contact tower and check for 5 x 5 readout.
11. Pressure suit ventilation knob - Full CCW.
12. Oxygen lever - OFF.
13. Autopilot damper panel - Switches OFF.
14. Control system switch - NORM.
15. Rudder authority switch - AUTO.
16. Auxiliary pitch trim switch - STICK.
17. Spoiler brake switch - OFF.
18. Flight control disconnect switch - NORM (cover down).

*PRECEDING PAGE BLANK-NOT FI

19. Throttles - OFF.

    Move throttles through full travel. Throttles should move smoothly with no binding. Force required to move throttles should not exceed 10 pounds with the throttle friction lever in DECR position.

20. Speed brake switch - In.
21. Anti-skid switch - OFF.
22. Landing/Taxi lights switch - OFF.
23. Flight instrument reference select switch - PRI.
24. Compressor bleed valve switches - AUTO.
25. Auxiliary brake handle - Pulled.

    Move the auxiliary brake handle through complete travel in and out. Handle should move smoothly with no binding. Force required to move handle should be between 5 and 12 pounds.

26. Landing gear handle - DN.
27. Utility hydraulic system isolation switch - NORM.
28. Arresting hook handle - OUT.
29. Gun selector switch - OFF.
30. A/Air select switch - OFF, cover down.
31. Heads up display power/intensity knob - OFF.
32. Heads up display reticle/intensity knob - OFF.
33. Radar altimeter control knob - OFF.
34. Horizontal situation display - OFF.
35. Vertical situation display mode selector knob - OFF.
36. Engine/inlet anti-icing switch - AUTO.
37. Pitot/probe heater switch - OFF/SEC.
38. Windshield wash/rain removal selector switch - OFF.
39. Auxiliary flight reference system compass mode selector knob - SLAVED, set (present latitude).
40. Electrical control panel - Set.
41. Generator switches (2) - RUN.
42. Battery switch - OFF.
43. External power switch - OFF.
44. Emergency generator switch - AUTO.
45. Emergency generator indicator/cutoff push button - In (Safetied).
46. Landing gear emergency release handle - In.
47. Fuel panel - Set.

    a. Fuel dump switch - OFF.

b. Air refueling switch - CLOSE.

c. Fuel tank pressurization selector switch - AUTO.

d. Fuel transfer knob - OFF.

e. Engine feed selector knob - OFF.

48. Alignment.

Perform a _____ alignment.

49. Stores control panel - Verify.

a. Simulate switch - ON.

The simulate switch must remain on throughout the flight or the weapon/station programming will be lost.

b. Remaining switches and knobs - OFF and safetied (where applicable).

c. Stores select panel cassette loading - Check.

Check that either a C-1 or C-2 weapon select cassette is installed in the upper left, upper right, and lower left locations. The lower right cassette is not programmed and should not have any weapon identification displayed. Check that the other three cassettes display the M-117, M-118, and N-117R store identifications respectively.

50. Stores select panel - Check.

a. M-117 select switch - Depress.

Observe that stations 3 and 6 display WPN.

b. M-118 select switch - Depress.

Observe that the M-117 cassette and stations 3 and 6 go blank and that station 4 displays WPN.

c. M-117R select switch - Depress.

Observe that the M-118 cassette and station 4 go blank and that station 5 displays WPN.

d. M-117R select switch - Depress to de-select.

Observe that the M-117R cassette and station 5 display go blank.

51. Terrain following radar channel mode selector knobs (2) - OFF.

52. Spike control switches (2) - NORM.

53. Ground start switch - OFF.

54. Radar bomb scoring tone switch - OFF.

55. Air conditioning panel - Set.

56. Temperature control knob - as desired.

57. Air course selector knob - BOTH.

58. Air conditioning system mode selector switch - AUTO.

59. Pressurization selector switch - NORM.

60. Exchange exit control switch - NORM.

61. Air distribution lever - As desired.

62. Oil quantity indicating system - Checked.

    Select and hold the oil/oxygen quantity indicator test switch to OIL QTY and check that indicators show a reading of 5 quarts on the left indicator and 5.7 quarts on the right indicator. Check that oil low caution lamp lights. Release test switch and check that indicators return to original readings and that oil low caution lamp goes out.

63. Fire detect circuit - Checked.

    Check that both engine fire warning lamps fuselage fire warning lamp and wheel well.

64. Fire warning lamp (if installed) light while holding the agent discharge/fire detect test switch to the FIRE DETECT TEST position.

ENGINE START (PNEUMATIC)

1. Hangar exhaust door - OPEN.
2. DATA ON.
3. Start RH engine as follows:
   a. Ground ign switch - IGN.
   b. Ground start switch - PNEUMATIC.
   c. Lift RH throttle - engine will accelerate.
   d. Advance throttle to IDLE after rpm reaches 17 percent.
   e. RH generator button START and hold, then RUN.
   f. Accelerate RH engine to 85-percent rpm.
   g. Start LH engine by lifting LH throttle.
   h. LH generator button START and hold, then RUN.
   i. Equalize throttles at IDLE.
4. DATA OFF.

ENGINE START (CARTRIDGE)

1. DATA ON.
   a. Ground ignition switch - IGN.
   b. Ground start switch - cartridge.
   c. Lift LH throttle to start LH engine and immediately push throttle to IDLE.
   d. LH generator button - START and hold, then RUN.
   e. Accelerate LH engine to 85-percent rpm.
   f. Start RH engine by lifting throttle.
   g. RH generator to START and hold then RUN.
   h. Equalize throttles to IDLE.
2. DATA OFF

ECS TEST

1. DATA ON.
2. Advance throttles to prescribed value.
3. Perform air conditioning check as follows:
   a. Air source selector switch - BOTH.
   b. Controller - AUTO; FULL COLD, continue test for 1/2 minute.
   c. Controller - AUTO; FULL HOT, continue test for 1/2 minute.
   d. Controller - MANUAL, FULL COLD, test for 1/2 minute.
   e. Controller - MANUAL, FULL HOT, test for 1/2 minute.
   f. Air source selector switch - RIGHT and repeat above.
   g. Air source selector switch - LEFT and repeat above.
   h. Return to BOTH, AUTO, normal.
   i. Defog control handle - DEFOG, check for air distribution.
   j. Retard throttles to IDLE.
4. DATA OFF

ANTI-ICE CHECK AND SPIKE CHECK

1. Perform anti-ice check as follows:
   a. Windshield wash/rain removal switch - RAIN REMOVE.
   b. Windshield select button - BOTH.
   c. Engine inlet anti-ice switch - AUTO.
   d. Pilot/probe anti-ice switch - HEAT.

2. Perform spike check as follows:

   a. Spike switches - NORM.
   b. Spike test buttons - depress and hold. Check for:
   c. Spike caution lamps lighted.
   d. Spikes move fully aft and expanded.
   e. Spike caution lamps out.
   f. Spike test buttons - release. Check for:
   g. Spike caution lamps lighted.
   h. Spikes move fully forward and contracted.
   i. Spike caution lamps out.

FLAP/SLAT/WING SWEEP CHECKS

1. DATA ON
2. Retract flaps as follows: (NORM)
   a. Flap/slat mode switch - NORM.
   b. Flap/slat handle UP; time retraction.
   c. Wing sweep handle 72 degrees; time sweep.
   d. Wing sweep handle 16 degrees; time sweep.
3. Extend flaps/slats as follows: (NORM)
   a. Flap/slat mode switch - NORM.
   b. Flap/slat handle - DOWN; time extension.
4. Retract flaps/slats as follows: (EMER)
   a. Flap/slat mode switch - EMER.
   b. Emergency flap/slat control switch - RETRACT: time retraction.
5. Extend flaps/slats as follows: (EMER)
   a. Flap/slat mode switch - EMER.
   b. Emergency flap/slat control switch - EXTEND: time extension.
   c. Retract flaps/slats in normal mode.
6. DATA OFF.

SPOILER CHECK

1. Flight control spoiler monitor test - Checked.
   a. Flight control master test button - Depress and hold.
   b. Spoiler test switch - OUTBD and hold until:
   c. Outboard spoilers momentarily extend, then retract.
   d. Spoiler caution lamp will light.
   e. Spoiler test switch - Release.

f. Spoiler reset button - Depress. Check spoiler caution lamp out.

g. Spoiler test switch - INBD and hold until:

h. Inboard spoilers momentarily extend, then retract.

i. Spoiler caution lamp will light.

j. Flight control master test button - Release.

k. Spoiler reset button - Depress. Check spoiler caution lamp out.

l. Ground roll spoiler switch - BRAKE. Check that all spoilers extend.

m. Right throttle - Advance 3 degrees minimum, then IDLE.

At 3 degrees throttle advance, check that all spoilers retract and that the right engine nozzle goes to full closed. When the throttle is returned to IDLE, check that all spoilers extend and that both engine nozzles are full open.

n. Wing sweep handle - 45 degrees.

o. Repeat above steps.

p. Wing sweep handle - AFT to 72.5 degrees. Spoilers should retract.

q. Flap/slat handle interlock - Check.

With the wings at 72.5 degrees, attempt to move the flap/slat handle to FLAP DOWN. Handle should be mechanically locked in the UP position.

r. Control stick - Cycle stick and check that all spoilers remain retracted.

s. Wing sweep handle - FWD to 35 degrees.

As the wings sweep forward, check that both outboard and inboard flight control spoilers extend between 50 and 44 degrees.

t. Flap/slat switch - EMER.

u. Emergency flap/slat switch - EXTEND and hold. Flaps and slats should not move.

v. Wing sweep handle - FWD to 26-degree gate.

Check that the slats and rotating glove start to extend at 26 degrees wing sweep. The slats and rotating glove will extend before the flaps start down.

w. Flap/slat switch - NORM.

When the flaps reach full down, release the emergency flap/slat switch and place the flap/slat switch to NORM. The flaps and then the slats and rotating glove will retract.

x. Flap/slat handle - SLAT DOWN.

Check that the slats and rotating glove extend before the flaps start down.

y. Ground roll spoilers switch - OFF. Check that all spoilers retract.

z. Wing sweep handle interlock - Check. Attempt to move the wing sweep handle to AFT. Handle should not move.

aa. Wing sweep handle 26 degrees forward gate release control - Release.

bb. Wing sweep handle - FWD to 16 degrees.

RUDDER AND NOSEWHEEL CHECK

1. Rudder Authority Switch - FULL.
2. Nosewheel Steering Button - DEPRESS.
3. Depress right rudder pedal - Check for 30 degrees travel.
4. Depress left rudder pedal - Check for 30 degrees travel.

FUEL CHECK

1. Fuel control panel - Check.
   a. Engine feed selector knob - FWD.
   b. Fuel pump low pressure indicator F and S lamps blink.
   c. Engine feed selector knob - AFT.
   d. Both A lamps should blink. The S lamps may or may not blink.
   e. Engine feed selector knob - BOTH.
   f. Fuel pump low pressure indicator F lamps blink. S and A lamps may or may not blink.
   g. Engine feed selector knob - Set to AUTO.
   h. Fuel transfer knob - AUTO or as applicable.
   i. Fuel quantity and indicators - Check.
   j. Fuel quantity indicator test button - Depress and check.

NOTE

When the fuel gage select switch is positioned to an external tank or weapon bay tank position and no tank is installed at the station, the selected fuel quantity gauge should drive to below zero, against the mechanical stop.

Forward and aft tanks - 2,000 (±400) pounds.

Select tank - 2,000 (±100) pounds.

Total fuel - 2,000 (±1,250) pounds.

The distribution lamp lights after 12 seconds.

   k. Fuel quantity indicator test switch - Release and check that indicators return to original positions.

2. Fuel tank pressurization - Check.
   a. Fuel tank pressurization selector switch - PRESSURIZE.
   b. Fuel tank pressurization caution lamp - Lighted.
   c. Fuel tank pressurization selector switch - OFF.
   d. Fuel tank pressurization caution lamp - OUT.
   e. Fuel tank pressurization selector switch - AUTO.
   f. Air refueling receptacle switch - OPEN then CLOSE.

INSTRUMENT CHECK

1. Mode select coupler pushbutton - CMD OFF. Mode unsatisfactory light should go out.
2. Horizontal situation indicator check.
   a. Power-off warning flap - Out of view.
   b. Course deviation indicator - Centered.
   c. Course deviation indicator flag - In view.
   d. Compass card - Aircraft magnetic heading.
3. Total temperature indicator - Off-flap out of view.
4. Turbine inlet temperature indicator - Off-flag out of view.
5. Instrument test button - Depress and hold.

   WSO depresses and holds button while AC checks for the following indications in steps 6 through 8.

6. Total temperature indicator check.
   a. Indicator pointer moves toward maximum temperature limit, the off-flag comes into view.
   b. Time remaining counter - Starts counting down.
   c. Reduce speed warning lamp - Lighted.
7. Turbine inlet temperature indicator - Checked.

   Pointer and digital readout should stop at 1,245 to 1,295 degrees C.

8. Instrument test button - Release and check the following:
   a. Total temperature indicator check. Indicator pointer returns to ambient reading.
   b. Reduce speed warning lamp - Out.
   c. Total temperature caution lamp - Lighted.

CADC TEST

1. DATA ON.
2. Central air data computer/altitude vertical velocity indicator/ airspeed Mach indicator check.
   a. CADC caution lamp - Out.
   b. Airspeed Mach indicator - Check.

1) Airspeed warning flag out of view.

2) Power off warning flag out of view.

3) Accelerometer 1.0 (±0.2) "g".

c. Altitude vertical velocity indicator - Check.

1) Baro control knob - Set to 29.92.

2) Altitude warning flag out of view.

3) Vertical velocity indicator 0 (±100) fpm.

d. Flight control master test button - Depress and hold.

e. Central air data computer test switch - Hold to HIGH and check:

1) Altitude velocity - 40,000 fpm increase while slewing, then stabilized at 0 (±100) fpm.

2) Altitude - 60,000 (±130) feet.

3) Altitude warning flag in view.

4) Indicated airspeed - 493 (±12) knots.

5) Mach - 2.30 (±0.05).

6) Angle of attack - 10.0 (±0.75) degrees.

7) Airspeed warning flag in view.

8) Angle of attack indexers (2) - Center lamp lighted. Low lamp may light.

9) CADS caution lamp - Lighted.

f. Central air data computer test switch and flight control master test button - Release and check:

1) CADS caution lamp - Lighted until altitude stabilizer, then out.

2) Altitude vertical velocity indicator - Check:

3) Vertical velocity - 40,000-fpm decrease, then stabilized at 0 (±100) fpm.

4) Altitude warning flap out of view.

5) Airspeed Mach indicator - Check:

6) Airspeed warning flag out of view.

7) Power-off warning flag out of view.

5. DATA OFF.

WEAPONS BAY DOOR TEST

1. Weapons bay door switch - NORM.
2. Close; time cycle.
3. Open; time cycle.
4. Weapons bay door switch - AUX.
5. Close; time cycle.
6. Open; time cycle.

TRIM CHECK

With the control switch switch in T.O. & LAND or the slats extended, the horizontal stabilizer and rudder position tolerance is (±2) degrees, unless otherwise specified.

1. Pitch and roll autopilot/damper and yaw damper switches - OFF.

   Place the pitch and roll autopilot/damper and yaw damper switches to OFF and check that the pitch, roll and yaw damper caution lamps light.

2. Takeoff trim - Set.

3. Rudder authority switch - AUTO.

4. Flight controls - Check for freedom of movement.

   a. Ten degrees nose down, 25 degrees nose up symmetrical horizontal stabilizer deflection.

   b. Sixteen degrees (±4 degrees) maximum differential horizontal stabilizer deflection.

   c. Greater than 25 degrees of rudder.

5. Series trim - Check:

   a. Auxiliary pitch trim switch - NOSE DN.

      Check that the horizontal stabilizers move trailing edge down 4 degrees.

   b. Auxiliary pitch trim switch - NOSE UP.

      Check that the horizontal stabilizers move trailing edge up 10 degrees.

   c. Auxiliary pitch trim switch - STICK.

   d. Pitch and roll autopilot/damper and yaw damper switches - DAMPER.

   e. Damper reset button - Momentarily depressed (if required).

   f. Cycle the control stick full forward, full aft, left wing down, right wing down, then return to neutral and check that the pitch and roll damper and channel caution lamps do not light.

6. Rudder trim - Check.

   a. Rudder trim switch - Hold L.

      Check that the rudder moves trailing edge left 10 degrees.

   b. Rudder trim switch - Hold R.

      Check that the rudder moves trailing edge right 10 degrees.

   c. Takeoff trim - Set.

7. Parallel trim - Check:

   a. Trim button - NOSE DN.

      Hold trim button to NOSE DN until the stick stops. Horizontal stabilizer 8 (±4) degrees trailing edge down.

b. Trim button - NOSE UP.

Hold trim button to NOSE UP until stick stops at a noseup position. Check that horizontal stabilizer moves trailing edge up 18 (±4) degrees.

c. Takeoff trim - Set.

d. Trim button -LWD.

Hold trim button in LWD position until surfaces move to full left wing down trim position. Check that the differential horizontal stabilizer deflection is 12 degrees.

e. Trim button - RWD.

Hold trim button in RWD position until surfaces move to full right wing down trim position. Check that the differential stabilizer deflection is approximately 12 degrees. The surfaces may not begin "driving" immediately after the trim button is actuated.

f. Control system switch - NORM.

g. Slats - Retracted.

h. Rudder authority - Checked. Approximately 11 degrees left or right.

8. Series trim - Check.

a. Takeoff trim - Set. Then trim nose down for one second.

b. Check horizontal stabilizers continue to drive trailing edge down at a reduced rate.

9. Surface motion test - Complete.

a. Stability augmentation test switch - SURFACE MOTION and hold.

b. Flight control master test button - Depress and hold. With the master test button depressed, check the following:

1) Rudder moves to right, then to the left.

2) Left horizontal stabilizer trailing edge moves slightly down.

3) Right horizontal stabilizer moves trailing edge further down.

4) Control system caution lamps do not light.

10. Surface motion and light test - Complete.

a. Stability augmentation test switch - SURFACE MOTION & LIGHTS and hold.

b. Flight control master test button - Depress and hold. With the master test button depressed, check the following:

1) Rudder initially drives right, then returns to neutral.

2) Left horizontal stabilizer trailing edge moves slightly down.

3) Right horizontal stabilizer moves trailing edge further down.

4) Check pitch, roll, and yaw damper, channel caution lamps, and that pitch and roll gain changer lamps light (8).

NOTE

If all the lamps do not light, cycle the control system switch to T.O.& LAND, and return to NORM, then repeat steps 7b and 8a.

c. Flight control master test button and stability augmentation test switch - Release.

d. Damper reset button - Depress momentarily.

All caution lamps (8) - Out. Repeat preceding step if necessary.

AUTOPILOT CHECK

1. Autopilot - Checked.
   a. Pitch and roll autopilot/damper switches - AUTO PILOT.
   b. Control stick steering - Checked.

      Move control stick and check that reference-not-engaged caution lamp lights for pitch and roll. Lamp will go out when stick is returned to neutral.

   c. Altitude hold and constant track switches - Engaged.

      Reference-not-engaged caution lamp lights.

   d. Reference engage button - Depressed.

      Reference-not-engaged caution lamp goes out.

   e. Move stick, then release.

      Reference-not-engaged caution lamp lights.

   f. Mach hold and heading nav switches - Engaged.

      Reference-not-engaged caution lamp - Lights.

   g. Reference engage button - Depressed.

      Reference-not-engaged caution lamp goes out.

   h. Autopilot release lever - Depressed.

      Check that the roll and pitch autopilot/damper switches go to DAMPER and that the altitude/Mach hold and constant track/heading nav selector switches go to OFF.

ELECTRICAL CHECK

1. RH generator control switch - OFF - RESET.
2. RH generator control switch - START and hold, then - RUN. Check for flight control transients.
3. LH generator control switch - OFF - RESET.
4. LH generator control switch - START and hold, then RUN. Check for flight control transients.

5. Emergency generator control switch - TEST check for emergency generator indicator lamp lighting.
6. Depress malfunction and indicator lamp test button. Check for essential DC converter caution lamps.

OIL QUANTITY AND BRAKE CHECK

1. Push oil quantity indicator test button.
2. Check that indicator is driven to the test quantity.
3. Depress brake pedal 10 times and observe piston travel.

LANDING GEAR TEST

1. DATA ON.
2. Landing gear handle - RETRACT; time retraction and check horn.
3. LH speedbrake switch - OUT; time extension.
4. LH speedbrake switch - IN; time retraction.
5. RH speedbrake switch - OUT.
6. RH speedbrake switch - IN.
7. Landing gear handle - EXTEND; time extension.

AVIONICS CHECK (performed when appropriate)

1. Computers ON.
2. Multi-sensor display mode selector knob - STBY.
3. Horizontal situation display intensity knob - On and adjusted.
3. Heads up display - Set. Power/intensity control knob - On and adjusted.
5. Multi-sensor display radar function selection - STBY.
6. L-R TFR mode switch to STBY.
7. VSD function selector - STBY.
8. Avionics self-test check - Accomplish.
   a. Attack radar system test - Check.
      1) Display mode selector knob - ATK RDR.
      2) Radar function selector knob - TEST.
      3) Radar mode selector knob - GMM.
      4) Test mode knob - RDR.
      5) Test control switch - TEST.
      6) Test on lamp - Lighted then off.
      7) Test ON lamp remains lighted until test is automatically completed (approximately 25 seconds).
   b. Multi-sensor display test - Check.
      1) Test mode knob - MSD.

2) Test control switch - TEST.

3) Test ON lamp - Lighted.

Test ON lamp remains lighted until test is manually completed. May require 20 seconds for the test pattern to appear.

4) Checkerboard (6x6) test pattern - Verify.

Pattern will remain displayed until test is manually completed.

5) Test control switch - RESET.

c. Horizontal situation display test - Check.

1) Heading north switch - NORTH.

2) Chart data switch - CHART.

3) Slew switch - Depressed in.

4) Test mode knob - HSD.

5) Test control switch - TEST.

6) Test ON lamp - Lighted.

Test ON lamp remains lighted until test is manually completed.

7) Observe that the appropriate test patterns appear in the following sequence.

a) First example - Displayed for approximately 8 seconds, then off.

b) Second example - Displayed for approximately 8 seconds, then off.

c) Third example - Displayed until test is completed.

NOTE

Video symbols will appear on the first two patterns, but will not appear in the proper position until the third example is displayed.

8) Test control switch - RESET. Test ON lamp goes out.

9) Check data frames - Depress index button.

d. Vertical situation display test - Check.

1) Mode function selector knob - VSD.

2) Test mode switch - VSD.

3) Test control switch - TEST.

4) Test ON lamp - Lighted.

Test ON lamp remains lighted until test is manually completed.

5) Checkerboard (6x6) test pattern - Verify.

Pattern will remain until test is manually completed. May require 20 seconds for the test pattern to appear.

6) Test control switch - RESET.

7) Test lamp goes out.

e. Heads up displays (2) test - Check.

1) Test mode knob - HUD.

2) Test control switch - TEST.

3) Test ON lamp - Lighted.

Test ON lamp remains lighted until test is manually compelted.

4) Heads up displays (2) - Observe test patterns.

Roll - +30 degrees (right wing down).

Breakaway - Steady.

5) Display mode selector knob (multi-sensor display) - VSD and observe the following test patterns appear on the multi-sensor display and vertical situation display.

Heading - 45 degrees

Roll - +30 degrees

Pitch - 20 degrees

Breakaway - Steady.

6) Test control switch - RESET.

f. Doppler self-test - Check.

1) Doppler power switch - DPLR TRANS.

2) Test mode knob - DOPP.

3) Test control switch - TEST.

4) Test ON lamp - Lighted for 70 seconds.

Test ON lamp remains lighted until test is automatically completed.

5) Test control switch - RESET.

6) Doppler power switch - OFF (until required).

TEST SYNOPSIS AND DATA

RUN 78-6 (70 DEGREES F), 12 MARCH 1972

Synopsis

This was the initial test of the desert/tropic phase and the results were intended to be used as a baseline comparison to the other tests in this series. The temperature was 70 degrees F with about 50-percent relative humidity. A normal engine start was made on the right-hand engine, and crossbleed to the left-hand engine failed initially due to bleed air check valve problems. They were corrected and an uneventful test followed.

Inoperative Parameters

(Program time constraints prohibited rerun of this test; thus, due to a commutator malfunction, part of the data of the parameters identified below is unavailable.)

AF-05 (functions, but is not linear)	AF-28*
AF-06*	AF-31*
AF-07*	AF-32*
AF-08*	AF-33*
AF-09*	AF-34*
AF-15*	AF-35*
AF-17*	AF-37*
AF-20*	AF-38*
AF-22	AF-39
AF-26*	AF-40
AF-27*	AF-41*
AF-42*	EC-112*
AF-76*	EC-113*
EC-02	EC-114*
EC-06*	PR-06
EC-10*	PR-13*
EC-20*	PR-14*
EC-21*	PR-15*
EC-28**	PR-16*
EC-29*	PR-17*
EC-32*	PR-20*
EC-35*	PR-25
EC-87	PR-26*

*Intermittent.

**Sign reversed.

Crossed feedback pressure lines to the 4-3 hot air control-stabilizer existed during these tests.

EC-91
EC-94*
EC-96*
EC-99
EC-100
EC-101
EC-102*
EC-103*
EC-104*
EC-105*
EC-110*
EC-111*
SP-13*
SP-14*

PR-27A*
PR-27B*
PR-29*
PR-30*
SP-01*
SP-03*
SP-05*
SP-07*
SP-09*
SP-10*
SP-11*
SP-12*

Data Events (hr/min/sec)

Data On	Data Off	Event
161903	162357	Start RH engine.
163834	164034	Start LH engine on crossbleed and retard both to IDLE.
164633	170000	Military power run; decel to 85 percent; ECS test; decel to idle; wing sweeps, flap/slat checks.
174523	174639	CADC test.
174737	174757	Idle data (test miscue).
175833	175938	Landing gear retraction; speed brake check.
180639	180830	Engine shutdown.
182033	182300	Postflight checks.

3 COMMUTATOR

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	FR 03 TEMP TURBIN INLET (T5L/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ACRCFT	AR 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
16 19 3	0.	1.	0.	1.	0.	1.	4.5	95.57	.1240	304.20	0.	0.	LOW
16 59 8	0.	1.	0.	1.	0.	1.	5.2	93.56	.1253	304.57	0.	0.	LOW
16 19 13	0.	1.	0.	1.	0.	1.	5.4	20.12	.0390	304.80	0.	0.	LOW
16 19 31	0.	1.	0.	1.	0.	1.	5.2	*0000.00	.0369	305.50	0.	0.	*737650.
16 19 28	0.	1.	0.	1.	0.	1.	1.9	10.06	.0580	305.50	0.	0.	0.
16 19 33	0.	1.	0.	1.	0.	1.	2.3	8.38	.0791	307.53	0.	0.	-39.
16 19 33	0.	1.	0.	1.	0.	1.	3.9	11.74	.0607	309.80	0.	0.	394.
16 19 38	0.	1.	0.	1.	0.	1.	5.2	5.87	.0894	309.08	0.	0.	-75.
16 19 43	0.	1.	0.	1.	0.	1.	10.3	LOW	.0607	306.12	0.	0.	-544.
16 59 48	0.	1.	0.	1.	0.	1.	9.7	LOW	.0607	304.57	0.	0.	-427.
16 19 53	0.	1.	0.	1.	0.	1.	2.6	LOW	.0607	308.30	0.	0.	157.
16 59 58	0.	1.	0.	1.	0.	1.	3.5	LOW	*0000.0000	308.15	0.	0.	197.
16 20 4	0.	1.	0.	1.	0.	1.	2.0	10.06	.0685	307.37	0.	0.	-72.
16 20 9	0.	1.	0.	1.	0.	1.	2.6	8.71	.0831	308.93	0.	0.	120.
16 21 26	0.	1.	0.	1.	0.	1.	2.3	6.71	.0293	312.66	0.	1.	-386.
16 21 31	0.	1.	0.	1.	0.	1.	5.1	10.06	.0844	312.20	0.	1.	-466.
16 21 36	0.	1.	0.	1.	0.	1.	7.7	LOW	.1187	310.48	0.	1.	-777.
16 21 41	0.	1.	0.	1.	0.	1.	9.0	*0005.00	.0910	309.55	0.	1.	-505.
16 21 46	0.	1.	0.	1.	0.	1.	7.7	LOW	.0527	313.91	0.	1.	606.
16 21 51	0.	1.	0.	1.	0.	1.	5.8	LOW	.0514	312.04	0.	1.	-55.
16 21 56	0.	1.	0.	1.	0.	1.	3.9	LOW	LOW	312.35	0.	1.	394.
16 22 1	0.	1.	0.	1.	0.	1.	5.2	*0000.00	*00.0301	311.69	0.	1.	197.
16 22 6	0.	1.	0.	1.	0.	1.	9.0	11.74	.0813	312.98	0.	1.	-511.
16 22 11	0.	1.	0.	1.	0.	1.	10.3	*0000.00	.0435	312.98	0.	1.	-699.
16 22 16	0.	1.	0.	1.	0.	1.	9.0	11.74	.1035	311.73	0.	1.	-621.
16 22 21	0.	1.	0.	1.	0.	1.	9.4	*0000.00	.1187	314.07	0.	1.	-777.
16 22 34	0.	1.	0.	1.	0.	1.	7.7	LOW	LOW	310.80	0.	1.	-666.
16 22 31	0.	1.	0.	1.	0.	1.	6.4	*0003.00	*00.0000	310.95	0.	1.	3.
16 22 36	0.	1.	0.	1.	0.	1.	5.2	6.58	.0712	314.53	0.	1.	-233.
16 22 41	0.	1.	0.	1.	0.	1.	3.9	13.41	.0970	313.75	0.	1.	80.
16 22 46	0.	1.	0.	1.	0.	1.	.0	18.44	.0975	313.60	0.	1.	0.
16 22 56	0.	1.	0.	1.	0.	1.	5.5	10.90	.1029	312.66	0.	1.	-466.
16 23 1	0.	1.	0.	1.	0.	1.	9.7	LOW	.0422	316.48	0.	1.	-932.
16 23 9	0.	1.	0.	1.	0.	1.	9.0	LOW	.0362	315.00	0.	1.	-427.
16 23 6	0.	1.	0.	1.	0.	1.	11.0	3.00	.0818	311.73	0.	1.	-76.
16 23 11	0.	1.	0.	1.	0.	1.	9.0	*0000.00	.0488	311.73	0.	1.	-155.
16 23 16	0.	1.	0.	1.	0.	1.	2.6	0.00	LOW	316.09	0.	1.	-78.
16 23 21	0.	1.	0.	1.	0.	1.	2.9	5.05	*00.0000	314.84	0.	1.	-194.
16 23 26	0.	1.	0.	1.	0.	1.	10.3	0.00	.0479	315.78	0.	1.	-854.
16 23 32	0.	1.	0.	1.	0.	1.	5.1	5.35	.0648	315.47	0.	1.	-777.
16 23 37	0.	1.	0.	1.	0.	1.	8.4	LOW	.1051	313.29	0.	1.	-544.
16 23 42	0.	1.	0.	1.	0.	1.	9.4	LOW	.0844	313.15	0.	1.	-427.
16 23 47	0.	1.	0.	1.	0.	1.	5.5	LOW	.0791	315.91	0.	0.	79.
16 23 52	0.	1.	0.	1.	0.	1.	4.6	LOW	.0693	314.07	0.	0.	118.
16 23 57	0.	1.	0.	1.	0.	1.	11.0	LOW	.0369	312.98	0.	0.	157.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR ON	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET ITSL/M ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START SWR	EC 02 RATE ALT PRESS
16 38 34	0.	1.	0.	1.	0.	1.	8.7	LOW	.0452	318.58	0.	0.	46.
16 38 39	0.	1.	0.	1.	0.	1.	1.9	3.35	.0316	325.74	0.	1.	-311.
16 38 44	0.	1.	0.	1.	0.	1.	3.2	5.03	.0739	326.83	0.	1.	-272.
16 38 49	0.	1.	0.	1.	0.	1.	9.7	1.68	.0697	326.68	0.	1.	-932.
16 38 54	0.	1.	0.	1.	0.	1.	11.3	*0000.00	.0699	325.59	0.	1.	-971.
16 38 59	0.	1.	0.	1.	0.	1.	207.1	0.00	.1213	326.68	0.	1.	-854.
16 39 4	0.	1.	0.	1.	0.	1.	389.7	*0000.00	.0810	324.97	0.	1.	-695.
16 39 9	0.	1.	0.	1.	0.	1.	577.3	LOW	LOW	324.81	0.	1.	79.
16 39 14	0.	1.	0.	1.	0.	1.	535.2	*0000.00	*0.0000	326.06	0.	1.	39.
16 39 19	0.	1.	0.	1.	0.	1.	473.1	11.74	.0949	326.68	0.	0.	-466.
16 39 24	0.	1.	0.	1.	0.	1.	469.4	8.38	.0680	327.30	0.	0.	-388.
16 39 29	0.	1.	0.	1.	0.	1.	475.1	0.00	.0237	327.92	0.	0.	-777.
16 39 34	0.	1.	0.	1.	0.	1.	482.3	.84	.0554	326.52	0.	0.	-738.
16 39 39	0.	1.	0.	1.	0.	1.	489.0	LOW	.0923	324.19	0.	0.	-777.
16 39 44	0.	1.	0.	1.	0.	1.	487.2	LOW	.0501	324.03	0.	0.	-505.
16 39 49	0.	1.	0.	1.	0.	1.	490.3	LOW	.0712	325.74	0.	0.	-311.
16 39 54	0.	1.	0.	1.	0.	1.	489.0	LOW	.0435	324.97	0.	0.	-194.
16 39 59	0.	1.	0.	1.	0.	1.	489.0	8.38	.0158	327.61	0.	0.	-466.
16 40 4	0.	1.	0.	1.	0.	1.	492.1	4.19	.0448	331.97	0.	0.	-583.
16 40 9	0.	1.	0.	1.	0.	1.	505.8	LOW	.0923	325.43	0.	0.	-699.
16 40 14	0.	1.	0.	1.	0.	1.	504.4	LOW	.0073	324.50	0.	0.	-893.
16 40 19	0.	1.	0.	1.	0.	1.	507.4	LOW	.0554	325.12	0.	0.	-777.
16 40 29	0.	1.	0.	1.	0.	1.	505.0	LOW	.0501	324.65	0.	0.	-505.
16 40 34	0.	1.	0.	1.	0.	1.	498.6	5.03	.0527	325.43	0.	0.	-78.
16 40 34	0.	1.	0.	1.	0.	1.	499.5	0.71	.0507	326.21	0.	0.	-505.
16 46 33	0.	1.	0.	1.	0.	1.	1073.7	LOW	.0527	322.01	0.	0.	-621.
16 46 38	0.	1.	0.	1.	0.	1.	1072.5	*0000.00	.0607	323.10	0.	0.	-311.
16 46 43	0.	1.	0.	1.	0.	1.	1067.6	5.03	.0765	326.68	0.	0.	-311.
16 46 48	0.	1.	0.	1.	0.	1.	1071.3	4.19	.0699	326.37	0.	0.	-777.
16 46 53	0.	1.	0.	1.	0.	1.	1083.5	0.00	.0738	325.43	0.	0.	-854.
16 46 58	0.	1.	0.	1.	0.	1.	1081.1	1.68	.0699	325.74	0.	0.	-699.
16 47 3	0.	1.	0.	1.	0.	1.	1083.5	LOW	.0559	324.19	0.	0.	-854.
16 47 8	0.	1.	0.	1.	0.	1.	1083.5	LOW	.0607	324.50	0.	0.	-738.
16 47 13	0.	1.	0.	1.	0.	1.	1018.6	LOW	.0448	321.76	0.	0.	-233.
16 47 18	0.	1.	0.	1.	0.	1.	980.6	*0000.00	.0422	323.25	0.	0.	-233.
16 47 23	0.	1.	0.	1.	0.	1.	870.8	LOW	.0369	323.25	0.	0.	-311.
16 47 28	0.	1.	0.	1.	0.	1.	854.3	*0000.00	.0443	323.72	0.	0.	-155.
16 47 33	0.	1.	0.	1.	0.	1.	771.8	5.03	.0818	326.68	0.	0.	-621.
16 47 38	0.	1.	0.	1.	0.	1.	748.3	2.51	.0918	325.90	0.	0.	-660.
16 47 43	0.	1.	0.	1.	0.	1.	713.4	LOW	.0527	321.70	0.	0.	-699.
16 47 48	0.	1.	0.	1.	0.	1.	702.3	*0000.00	.0673	323.88	0.	0.	-738.
16 47 53	0.	1.	0.	1.	0.	1.	690.1	LOW	.0880	324.19	0.	0.	-777.
16 47 58	0.	1.	0.	1.	0.	1.	680.2	LOW	.0607	325.28	0.	0.	-738.
16 48 4	0.	1.	0.	1.	0.	1.	677.8	LOW	.0369	324.19	0.	0.	-233.
16 48 9	0.	1.	0.	1.	0.	1.	674.1	*0000.00	.0422	324.19	0.	0.	-233.
16 48 14	0.	1.	0.	1.	0.	1.	682.7	LOW	.0315	325.12	0.	0.	-388.
16 48 19	0.	1.	0.	1.	0.	1.	676.8	*0000.00	.0435	325.28	0.	0.	-311.
16 48 24	0.	1.	0.	1.	0.	1.	669.2	8.38	.0871	322.63	0.	0.	-621.
16 48 29	0.	1.	0.	1.	0.	1.	663.8	5.03	.0936	324.65	0.	0.	-699.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3L POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET ITS1/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ACRFT	IN 03 POINT MARKER CAMERA SWITCH	IN 04 INT ENG START LVR	EC 02 RATE ALT PRESS
16 48 34	0.	1.	0.	1.	0.	1.	677.8	LOW	.0712	324.50	0.	0.	-932.
16 48 39	0.	1.	0.	1.	0.	1.	674.1	*0000.00	.0844	324.97	0.	0.	-816.
16 48 44	0.	1.	0.	1.	0.	1.	674.1	LOW	.0712	325.43	0.	0.	-654.
16 48 49	0.	1.	0.	1.	0.	1.	672.3	LOW	.0659	324.81	0.	0.	-654.
16 48 54	0.	1.	0.	1.	0.	1.	671.7	LOW	.0475	322.32	0.	0.	-621.
16 48 59	0.	1.	0.	1.	0.	1.	671.1	LOW	.0422	323.25	0.	0.	-427.
16 49 4	0.	1.	0.	1.	0.	1.	655.7	0.00	.0363	324.50	0.	0.	-76.
16 49 9	0.	1.	0.	1.	0.	1.	662.5	*0000.00	.0277	324.34	0.	0.	-233.
16 49 14	0.	1.	0.	1.	0.	1.	665.5	0.00	.0607	324.81	0.	0.	-233.
16 49 19	0.	1.	0.	1.	0.	1.	666.9	1.68	.0514	324.97	0.	0.	-311.
16 49 24	0.	1.	0.	1.	0.	1.	665.5	3.35	.0818	321.35	0.	0.	-621.
16 49 29	0.	1.	0.	1.	0.	1.	663.6	1.68	.0607	320.86	0.	0.	-738.
16 49 34	0.	1.	0.	1.	0.	1.	669.5	5.03	.1029	325.12	0.	0.	-621.
16 49 39	0.	1.	0.	1.	0.	1.	666.6	2.51	.0857	325.12	0.	0.	-816.
16 49 52	0.	1.	0.	1.	0.	1.	674.1	LOW	.0396	322.94	0.	0.	-621.
16 49 49	0.	1.	0.	1.	0.	1.	672.3	LOW	.0316	323.25	0.	0.	-505.
16 49 54	0.	1.	0.	1.	0.	1.	662.5	0.00	.0475	325.43	0.	0.	-155.
16 49 59	0.	1.	0.	1.	0.	1.	668.6	*0000.00	.0409	324.65	0.	0.	-311.
16 50 9	0.	1.	0.	1.	0.	1.	666.8	0.00	.0659	321.70	0.	0.	-233.
16 50 9	0.	1.	0.	1.	0.	1.	664.9	.84	.0620	323.56	0.	0.	-155.
16 50 14	0.	1.	0.	1.	0.	1.	663.1	3.35	.0580	326.06	0.	0.	-233.
16 50 19	0.	1.	0.	1.	0.	1.	664.9	3.35	.0636	326.37	0.	0.	-427.
16 50 24	0.	1.	0.	1.	0.	1.	661.9	6.71	.0686	325.43	0.	0.	-466.
16 50 29	0.	1.	0.	1.	0.	1.	663.1	5.87	.0636	325.59	0.	0.	-388.
16 50 34	0.	1.	0.	1.	0.	1.	663.2	LOW	.0687	325.43	0.	0.	-1243.
16 50 40	0.	1.	0.	1.	0.	1.	660.3	LOW	.0659	324.50	0.	0.	-1126.
16 50 45	0.	1.	0.	1.	0.	1.	674.1	LOW	.0731	323.56	0.	0.	-699.
16 50 50	0.	1.	0.	1.	0.	1.	674.7	LOW	.0673	324.50	0.	0.	-699.
16 50 55	0.	1.	0.	1.	0.	1.	670.5	LOW	.0653	323.56	0.	0.	-544.
16 51 0	0.	1.	0.	1.	0.	1.	668.6	LOW	.0435	323.10	0.	0.	-466.
16 51 13	0.	1.	0.	1.	0.	1.	664.3	0.00	.0448	324.81	0.	0.	-155.
16 51 10	0.	1.	0.	1.	0.	1.	663.7	3.35	.0633	325.12	0.	0.	-194.
16 51 15	0.	1.	0.	1.	0.	1.	661.9	0.00	.0527	323.56	0.	0.	79.
16 51 20	0.	1.	0.	1.	0.	1.	663.1	3.35	.0500	324.97	0.	0.	-232.
16 51 25	0.	1.	0.	1.	0.	1.	660.8	6.71	.0697	326.59	0.	0.	-621.
16 51 30	0.	1.	0.	1.	0.	1.	673.5	3.35	.0752	326.21	0.	0.	-816.
16 51 35	0.	1.	0.	1.	0.	1.	675.4	LOW	.0395	322.63	0.	0.	-777.
16 51 40	0.	1.	0.	1.	0.	1.	672.9	LOW	.0699	323.25	0.	0.	-816.
16 51 45	0.	1.	0.	1.	0.	1.	675.4	LOW	.0636	323.68	0.	0.	-777.
16 51 50	0.	1.	0.	1.	0.	1.	673.5	LOW	.0485	323.41	0.	0.	-583.
16 51 55	0.	1.	0.	1.	0.	1.	663.1	LOW	.0211	323.56	0.	0.	-155.
16 52 0	0.	1.	0.	1.	0.	1.	662.5	*0000.00	.0350	323.88	0.	0.	-117.
16 52 5	0.	1.	0.	1.	0.	1.	666.8	LOW	.0310	323.56	0.	0.	-78.
16 52 10	0.	1.	0.	1.	0.	1.	663.7	*0000.00	.0458	323.88	0.	0.	-155.
16 52 15	0.	1.	0.	1.	0.	1.	665.5	5.03	.0765	326.06	0.	0.	-544.
16 52 20	0.	1.	0.	1.	0.	1.	668.0	4.19	.0731	326.37	0.	0.	-621.
16 52 25	0.	1.	0.	1.	0.	1.	670.5	0.00	.0949	325.74	0.	0.	-854.
16 52 30	0.	1.	0.	1.	0.	1.	668.0	1.68	.0851	326.37	0.	0.	-699.
16 52 35	0.	1.	0.	1.	0.	1.	669.2	LOW	.0791	326.06	0.	0.	-699.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	FR 03 TEMP TURBIN INLET ITSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ACRCFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START LEVR	EC 12 RATE ALT PRESS
16 52 45	0.	1.	0.	1.	0.	1.	671.7	LOW	.0735	324.97	0.	0.	-777.
16 52 45	0.	1.	0.	1.	0.	1.	671.7	LOW	.0527	322.63	0.	0.	-544.
16 52 50	0.	1.	0.	1.	0.	1.	668.6	LOW	.0356	323.16	0.	0.	-388.
16 52 55	0.	1.	0.	1.	0.	1.	660.6	0.00	.0422	324.50	0.	0.	-308.
16 53 0	0.	1.	0.	1.	0.	1.	662.5	*0000.00	.0277	324.34	0.	0.	-311.
16 53 13	0.	1.	0.	1.	0.	1.	661.9	3.35	.0359	325.43	0.	0.	-311.
16 53 18	0.	1.	0.	1.	0.	1.	662.5	4.19	.0409	325.59	0.	0.	-272.
16 53 16	0.	1.	0.	1.	0.	1.	663.2	3.35	.0738	323.25	0.	0.	-699.
16 53 21	0.	1.	0.	1.	0.	1.	665.8	5.03	.0659	324.50	0.	0.	-544.
16 53 26	0.	1.	0.	1.	0.	1.	665.5	3.35	.0844	326.99	0.	0.	-777.
16 53 31	0.	1.	0.	1.	0.	1.	668.0	*0000.00	.0870	326.83	0.	0.	-777.
16 53 36	0.	1.	0.	1.	0.	1.	674.1	LOW	.0633	324.19	0.	0.	-621.
16 53 41	0.	1.	0.	1.	0.	1.	672.3	LOW	.0435	324.19	0.	0.	-466.
16 53 46	0.	1.	0.	1.	0.	1.	672.9	LOW	.0353	323.56	0.	0.	-544.
16 53 51	0.	1.	0.	1.	0.	1.	671.1	LOW	.0439	323.72	0.	0.	-466.
16 53 56	0.	1.	0.	1.	0.	1.	663.1	1.68	.0343	324.81	0.	0.	-155.
16 54 1	0.	1.	0.	1.	0.	1.	663.7	3.35	.0507	325.43	0.	0.	-233.
16 54 6	0.	1.	0.	1.	0.	1.	665.8	5.03	.0870	326.06	0.	0.	-621.
16 54 11	0.	1.	0.	1.	0.	1.	665.5	5.03	.0633	326.06	0.	0.	-427.
16 54 16	0.	1.	0.	1.	0.	1.	666.8	5.03	.0712	327.61	0.	0.	-621.
16 54 21	0.	1.	0.	1.	0.	1.	667.4	3.35	.0636	327.15	0.	0.	-699.
16 54 26	0.	1.	0.	1.	0.	1.	671.7	LOW	.0335	325.74	0.	0.	-854.
16 54 31	0.	1.	0.	1.	0.	1.	672.9	LOW	.0527	324.97	0.	0.	-777.
16 54 36	0.	1.	0.	1.	0.	1.	671.7	LOW	.0475	323.56	0.	0.	-466.
16 54 41	0.	1.	0.	1.	0.	1.	654.5	LOW	.0593	324.19	0.	0.	-544.
16 54 46	0.	1.	0.	1.	0.	1.	665.5	LOW	.0396	323.25	0.	0.	-544.
16 54 51	0.	1.	0.	1.	0.	1.	678.5	LOW	.0475	323.56	0.	0.	-388.
16 54 56	0.	1.	0.	1.	0.	1.	513.7	3.35	.0527	324.81	0.	0.	-155.
16 55 1	0.	1.	0.	1.	0.	1.	513.7	5.03	.0580	324.97	0.	0.	-272.
16 55 6	0.	1.	0.	1.	0.	1.	517.2	0.00	.0395	324.19	0.	0.	-155.
16 55 9	0.	1.	0.	1.	0.	1.	509.9	.84	.0580	325.28	0.	0.	-194.
16 55 14	0.	1.	0.	1.	0.	1.	502.5	5.03	.0949	325.12	0.	0.	-544.
16 56 19	0.	1.	0.	1.	0.	1.	506.6	4.19	.0831	325.90	0.	0.	-738.
16 56 24	0.	1.	0.	1.	0.	1.	519.7	LOW	.0791	324.19	0.	0.	-1243.
16 56 29	0.	1.	0.	1.	0.	1.	519.1	LOW	.0600	323.88	0.	0.	-971.
16 56 34	0.	1.	0.	1.	0.	1.	511.1	0.00	.0791	325.74	0.	0.	-777.
16 56 39	0.	1.	0.	1.	0.	1.	511.7	*0000.00	.0752	324.97	0.	0.	-893.
16 56 49	0.	1.	0.	1.	0.	1.	511.1	LOW	.0501	322.94	0.	0.	-621.
16 56 54	0.	1.	0.	1.	0.	1.	509.9	LOW	.0435	322.75	0.	0.	-505.
16 56 59	0.	1.	0.	1.	0.	1.	493.9	0.00	.0422	323.25	0.	0.	-78.
16 56 59	0.	1.	0.	1.	0.	1.	503.7	*0000.00	.0409	323.25	0.	0.	-350.
16 57 4	0.	1.	0.	1.	0.	1.	507.4	LOW	.0237	323.56	0.	0.	-233.
16 57 9	0.	1.	0.	1.	0.	1.	503.7	*0000.00	.0330	324.65	0.	0.	-233.
16 57 14	0.	1.	0.	1.	0.	1.	501.3	8.38	.0607	326.68	0.	0.	-388.
16 57 19	0.	1.	0.	1.	0.	1.	503.1	5.87	.0725	326.99	0.	0.	-621.
16 57 24	0.	1.	0.	1.	0.	1.	501.3	5.03	.0580	323.50	0.	0.	-311.
16 57 30	0.	1.	0.	1.	0.	1.	503.1	4.19	.0752	325.28	0.	0.	-505.
16 57 35	0.	1.	0.	1.	0.	1.	508.6	3.66	.0923	326.37	0.	0.	-777.
16 57 40	0.	1.	0.	1.	0.	1.	506.6	*0000.00	.0705	325.74	0.	0.	-854.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DOWN	PR 03 TEMP TURBIN INLET TTS/H ENGINE	CS 01 AIRSPD (TRUE)	CS 03 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
16 57 45	0.	1.	0.	1.	0.	1.	500.6	LOW	.0422	323.88	0.	0.	-777.
16 57 50	0.	1.	0.	1.	0.	1.	508.0	LOW	.0580	324.19	0.	0.	-854.
16 57 55	0.	1.	0.	1.	0.	1.	509.9	LOW	.0560	322.94	0.	0.	-777.
16 58 0	0.	1.	0.	1.	0.	1.	500.2	LOW	.0422	322.94	0.	0.	-505.
16 58 5	0.	1.	0.	1.	0.	1.	493.8	1.58	.0527	323.88	0.	0.	-78.
16 58 10	0.	1.	0.	1.	0.	1.	498.2	3.35	*0.0000	324.65	0.	0.	-155.
16 58 15	0.	1.	0.	1.	0.	1.	500.1	LOW	.0211	324.19	0.	0.	-78.
16 58 20	0.	1.	0.	1.	0.	1.	493.8	*0000.00	.0475	325.12	0.	0.	-155.
16 58 25	0.	1.	0.	1.	0.	1.	501.3	5.03	.0791	327.30	0.	0.	-621.
16 58 30	0.	1.	0.	1.	0.	1.	503.1	2.51	.0791	325.74	0.	0.	-816.
16 58 35	0.	1.	0.	1.	0.	1.	505.0	LOW	.0396	322.94	0.	0.	-777.
16 58 40	0.	1.	0.	1.	0.	1.	506.2	*0000.00	.0686	324.65	0.	0.	-816.
16 58 45	0.	1.	0.	1.	0.	1.	493.9	LOW	.0818	324.81	0.	0.	-699.
16 58 50	0.	1.	0.	1.	0.	1.	500.7	LOW	.0659	324.50	0.	0.	-621.
16 58 55	0.	1.	0.	1.	0.	1.	502.5	LOW	.0396	324.50	0.	0.	-233.
16 59 0	0.	1.	0.	1.	0.	1.	500.1	LOW	.0422	324.03	0.	0.	-155.
16 59 5	0.	1.	0.	1.	0.	1.	503.7	LOW	.0448	323.25	0.	0.	-388.
16 59 10	0.	1.	0.	1.	0.	1.	501.3	*0000.00	.0369	324.19	0.	0.	-194.
16 59 15	0.	1.	0.	1.	0.	1.	496.4	18.44	.0607	327.30	0.	0.	-155.
16 59 25	0.	1.	0.	1.	0.	1.	495.2	11.74	.0712	327.30	0.	0.	-272.
16 59 25	0.	1.	0.	1.	0.	1.	505.0	0.00	.0738	326.06	0.	0.	-777.
16 59 35	0.	1.	0.	1.	0.	1.	502.5	2.51	.0844	325.74	0.	0.	-854.
16 59 35	0.	1.	0.	1.	0.	1.	507.4	0.00	.0712	325.43	0.	0.	-854.
16 59 40	0.	1.	0.	1.	0.	1.	511.1	*0000.00	.0738	324.65	0.	0.	-854.
16 59 45	0.	1.	0.	1.	0.	1.	508.6	LOW	.0501	324.19	0.	0.	-544.
16 59 50	0.	1.	0.	1.	0.	1.	505.6	LOW	.0475	325.28	0.	0.	-388.
16 59 55	0.	1.	0.	1.	0.	1.	509.9	LOW	.0501	324.19	0.	0.	-621.
17 0 0	0.	1.	0.	1.	0.	1.	506.6	LOW	.0448	323.41	0.	0.	-505.
17 45 23	0.	1.	0.	1.	0.	1.	502.2	443.74	.4995	326.59	0.	0.	40000.
17 45 28	0.	1.	0.	1.	0.	1.	500.7	571.01	.6698	326.21	0.	0.	40000.
17 45 33	0.	1.	0.	1.	0.	1.	502.5	796.10	.9359	325.43	0.	0.	40000.
17 45 39	0.	1.	0.	1.	0.	1.	503.1	854.66	1.0045	326.37	0.	0.	40000.
17 45 44	0.	1.	0.	1.	0.	1.	505.7	1022.69	1.2057	326.37	0.	0.	40000.
17 45 49	0.	1.	0.	1.	0.	1.	500.1	1085.07	1.2755	325.59	0.	0.	40000.
17 45 54	0.	1.	0.	1.	0.	1.	496.4	1270.57	1.4913	326.37	0.	0.	40000.
17 45 59	0.	1.	0.	1.	0.	1.	496.4	1330.51	2.0305	326.52	0.	0.	19806.
17 46 4	0.	1.	0.	1.	0.	1.	500.1	1330.46	2.1376	325.74	0.	0.	-388.
17 46 9	0.	1.	0.	1.	0.	1.	499.5	911.22	1.0825	325.59	0.	0.	*737856.
17 46 14	0.	1.	0.	1.	0.	1.	500.1	135.80	.2004	324.19	0.	0.	LOW
17 46 19	0.	1.	0.	1.	0.	1.	498.8	124.91	.1714	324.81	0.	0.	LOW
17 46 32	0.	1.	0.	1.	0.	1.	497.6	93.89	.1213	324.81	0.	0.	LOW
17 46 29	0.	1.	0.	1.	0.	1.	496.2	79.64	.1174	325.28	0.	0.	LOW
17 46 34	0.	1.	0.	1.	0.	1.	500.1	53.65	.0712	325.12	0.	0.	LOW
17 46 39	0.	1.	0.	1.	0.	1.	496.8	*0000.00	.0725	325.59	0.	0.	LOW
17 47 37	0.	1.	0.	1.	0.	1.	508.6	LOW	.0686	325.74	0.	0.	-1010.
17 47 42	0.	1.	0.	1.	0.	1.	508.6	*0000.00	.1385	325.43	0.	0.	-854.
17 47 47	0.	1.	0.	1.	0.	1.	507.4	137.48	.2163	323.25	0.	0.	-932.
17 47 52	0.	1.	0.	1.	0.	1.	508.0	*0000.00	.1332	323.72	0.	0.	*737856.
17 47 57	0.	1.	0.	1.	0.	1.	505.2	LOW	.0580	323.88	0.	0.	-621.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET ITSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INIT ENG START L+R	EC 02 RATE ALT PRESS
17 58 33	1.	1.	0.	1.	0.	1.	503.1	LOW	.0699	325.12	0.	0.	-616.
17 58 38	1.	0.	0.	0.	1.	0.	505.8	LOW	.0870	323.68	0.	0.	-1010.
17 58 43	1.	0.	1.	0.	1.	0.	504.4	LOW	.0673	325.12	0.	0.	-1010.
17 58 48	1.	0.	1.	0.	1.	0.	493.9	LOW	.0791	321.70	0.	0.	-854.
17 58 53	1.	0.	1.	0.	1.	0.	497.0	LOW	.0699	322.63	0.	0.	-893.
17 58 58	1.	0.	1.	0.	1.	0.	497.6	0.00	.0818	325.74	0.	0.	-1010.
17 59 3	1.	0.	1.	0.	1.	0.	497.6	.84	.0857	325.74	0.	0.	-971.
17 59 8	1.	0.	1.	0.	1.	0.	500.1	0.00	.0818	326.66	0.	0.	-1010.
17 59 13	1.	0.	1.	0.	1.	0.	498.8	*0000.00	.0804	325.59	0.	0.	-1087.
17 59 18	0.	1.	0.	0.	1.	0.	502.5	LOW	.0607	324.81	0.	0.	-1165.
17 59 23	0.	1.	0.	0.	1.	0.	495.2	*0000.00	.0699	325.43	0.	0.	-932.
17 59 28	0.	1.	0.	0.	1.	0.	495.2	3.35	.0844	326.68	0.	0.	-777.
17 59 33	0.	1.	0.	0.	1.	0.	495.2	3.35	.0725	325.74	0.	0.	-893.
17 59 38	0.	1.	0.	0.	1.	0.	497.6	1.68	.0659	325.74	0.	0.	-1010.
18 6 39	0.	1.	0.	0.	1.	0.	422.2	1.68	.0330	324.34	0.	0.	-616.
18 6 44	0.	1.	0.	0.	1.	0.	344.4	0.00	.0290	324.19	0.	0.	-544.
18 6 49	0.	1.	0.	0.	1.	0.	343.2	*0000.00	*00.0000	324.19	0.	0.	-699.
18 6 54	0.	1.	0.	0.	1.	0.	338.3	0.00	.0422	325.12	0.	0.	-466.
18 6 59	0.	1.	0.	0.	1.	0.	327.8	.84	.0251	324.03	0.	0.	-544.
18 7 4	0.	1.	0.	0.	1.	0.	332.1	LOW	LOW	323.88	0.	0.	-544.
18 7 9	0.	1.	0.	0.	1.	0.	332.7	*0000.00	LOW	324.19	0.	0.	-583.
18 7 14	0.	1.	0.	0.	1.	0.	326.0	LOW	LOW	325.43	0.	0.	-699.
18 7 19	0.	1.	0.	0.	1.	0.	324.8	*0000.00	LOW	325.90	0.	0.	-660.
18 7 32	0.	1.	0.	0.	1.	0.	321.1	0.00	.0527	324.19	0.	0.	-544.
18 7 29	0.	1.	0.	0.	1.	0.	319.3	0.00	.0316	324.03	0.	0.	-466.
18 7 34	0.	1.	0.	0.	1.	0.	313.7	LOW	LOW	324.81	0.	0.	-777.
18 7 44	0.	1.	0.	0.	1.	0.	314.4	*0000.00	*00.0000	325.59	0.	0.	-544.
18 7 44	0.	1.	0.	0.	1.	0.	312.5	1.68	.0211	323.50	0.	0.	-544.
18 7 49	0.	1.	0.	0.	1.	0.	309.5	.84	*00.0000	324.19	0.	0.	-544.
18 7 54	0.	1.	0.	0.	1.	0.	303.9	0.00	LOW	325.12	0.	0.	-777.
18 7 59	0.	1.	0.	0.	1.	0.	303.3	0.00	*00.0000	324.81	0.	0.	-583.
18 8 4	0.	1.	0.	0.	1.	0.	300.3	0.00	.0026	324.81	0.	0.	-388.
18 8 9	0.	1.	0.	0.	1.	0.	300.3	0.00	.0013	325.43	0.	0.	-505.
18 8 14	0.	1.	0.	0.	1.	0.	292.9	0.00	LOW	325.43	0.	0.	-544.
18 8 20	0.	1.	0.	0.	1.	0.	293.5	.84	*00.0000	324.19	0.	0.	-621.
18 8 25	0.	1.	0.	0.	1.	0.	290.5	0.00	LOW	326.06	0.	0.	-544.
18 8 30	0.	1.	0.	0.	1.	0.	284.2	*0000.00	LOW	325.43	0.	0.	-621.
18 20 33	0.	1.	0.	0.	1.	1.	131.1	0.00	.0343	323.88	0.	0.	-621.
18 20 38	0.	1.	0.	0.	1.	1.	132.9	*0000.00	.0171	324.19	0.	0.	-505.
18 20 43	0.	1.	0.	0.	1.	1.	134.8	0.00	.0264	324.50	0.	0.	-621.
18 21 14	0.	1.	0.	0.	1.	1.	123.1	0.00	*00.0000	335.09	0.	0.	-583.
18 21 14	0.	1.	0.	0.	1.	1.	115.2	LOW	LOW	342.56	0.	0.	-699.
18 21 19	0.	1.	0.	0.	1.	1.	115.2	*0000.00	LOW	344.12	0.	0.	-583.
18 21 24	0.	1.	0.	0.	1.	1.	112.7	0.00	.0580	345.67	0.	0.	-544.
18 21 29	0.	1.	0.	0.	1.	1.	112.1	.84	*00.0000	344.74	0.	0.	-544.
18 21 34	0.	1.	0.	0.	1.	1.	109.0	LOW	LOW	345.59	0.	0.	-544.
18 21 39	0.	1.	0.	0.	1.	1.	110.3	LOW	LOW	344.90	0.	0.	-583.
18 21 45	0.	1.	0.	0.	1.	1.	111.5	1.68	LOW	344.12	0.	0.	-544.
18 21 50	0.	1.	0.	0.	1.	1.	110.9	.84	*00.0000	344.43	0.	0.	-544.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG AIRCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
18 21 55	0.	1.	0.	1.	0.	1.	112.7	5.03	.0135	342.87	0.	0.	-544.
18 22 0	0.	1.	0.	1.	0.	1.	109.6	2.51	.0119	343.03	0.	0.	-466.
18 22 5	0.	1.	0.	1.	0.	1.	109.8	0.00	.0501	344.74	0.	0.	-544.
18 22 10	0.	1.	0.	1.	0.	1.	110.9	9.22	.0422	343.81	0.	0.	-738.
18 22 15	0.	1.	0.	1.	0.	1.	110.3	0.00	LOW	343.49	0.	0.	-466.
18 22 20	0.	1.	0.	1.	0.	1.	109.6	0.00	LOW	344.58	0.	0.	-505.
18 22 25	0.	1.	0.	1.	0.	1.	107.8	0.00	LOW	343.10	0.	0.	-699.
18 22 30	0.	1.	0.	1.	0.	1.	106.0	*0000.00	LOW	344.43	0.	0.	-660.
18 22 35	0.	1.	0.	1.	0.	1.	104.1	LOW	LOW	345.65	0.	0.	-1553.
18 22 40	0.	1.	0.	1.	0.	1.	105.4	*0000.00	LOW	345.21	0.	0.	-1165.
18 22 45	0.	1.	0.	1.	0.	1.	105.4	LOW	LOW	344.12	0.	0.	-544.
18 22 50	0.	1.	0.	1.	0.	1.	107.2	*0000.00	*00.0000	344.58	0.	0.	-738.
18 22 55	0.	1.	0.	1.	0.	1.	104.1	1.66	.0053	345.36	0.	0.	-544.
18 23 0	0.	1.	0.	1.	0.	1.	103.5	*0000.00	*00.0000	344.27	0.	0.	-660.

✱ 3 COMMUTATOR

TIME M/M/S 02	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TJTAL FUEL QNTY	PR 05 POSITN NOZZLE L/MENG	PR 06 POSITN THROTL L/MENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
16 19 3	16.83	LOW	29.832	15147.	8.768	.18	0.000	16.23	21.68
16 59 8	16.83	LOW	29.472	15917.	8.797	*0000.00	0.000	16.22	22.04
16 19 13	21.83	LOW	30.010	15596.	8.870	LOW	0.000	16.25	21.47
16 19 31	21.88	LOW	30.010	15413.	8.877	LOW	0.000	*0000.00	21.44
16 19 28	20.19	0.00	28.446	15046.	8.763	0.00	0.000	16.26	21.82
16 19 33	16.83	0.00	28.837	15780.	8.746	*0000.00	0.000	16.25	21.91
16 19 33	17.31	0.00	28.837	15697.	8.681	.18	0.000	16.25	21.72
16 19 38	17.79	0.00	28.935	15550.	8.733	*0000.00	0.000	16.23	22.04
16 19 43	20.67	LOW	29.814	15072.	8.870	LOW	0.000	16.25	21.78
16 59 48	21.06	LOW	29.765	15550.	8.862	LOW	0.000	16.26	21.53
16 19 53	21.83	0.00	30.010	15138.	8.926	LOW	0.000	16.26	22.29
16 59 58	21.39	*0000.00	29.961	15138.	8.906	LOW	0.000	16.52	21.91
16 20 4	19.71	LOW	29.032	15596.	8.783	.18	0.000	16.28	21.64
16 20 9	18.75	*0000.00	29.130	15101.	8.768	*0000.00	0.000	16.25	22.01
16 21 26	15.87	LOW	28.837	15505.	8.783	1.05	0.000	16.27	21.68
16 21 31	16.83	LOW	28.446	15229.	8.804	*0000.00	0.000	16.27	21.91
16 21 36	19.71	0.00	29.912	15505.	8.812	LOW	0.000	16.22	21.34
16 21 41	21.15	*0000.00	29.619	15138.	8.961	LOW	0.000	16.36	21.61
16 21 46	21.15	LOW	29.619	14128.	8.884	LOW	0.000	16.62	21.58
16 21 51	21.63	*0000.00	30.599	14358.	8.913	LOW	0.000	16.70	21.56
16 21 56	21.15	LOW	30.010	12661.	8.855	LOW	0.000	16.28	21.76
16 22 1	19.23	*0000.00	29.423	14174.	8.790	LOW	0.000	16.26	21.73
16 22 6	17.79	LOW	28.446	15668.	8.870	LOW	0.000	16.26	21.68
16 22 11	14.66	LOW	28.690	15668.	8.833	LOW	0.000	16.25	21.94
16 22 16	20.19	0.00	28.641	15668.	8.855	LOW	0.000	16.26	21.94
16 22 21	19.47	0.00	29.570	15550.	8.841	LOW	0.000	16.24	22.02
16 22 34	21.63	LOW	29.619	15505.	8.884	LOW	0.000	16.45	21.32
16 22 31	22.12	LOW	29.472	15046.	8.978	LOW	0.000	16.66	21.50
16 22 36	24.04	LOW	29.130	14679.	8.754	.53	0.000	16.37	22.07
16 22 41	22.60	*0000.00	29.374	14587.	8.855	*0000.00	0.000	16.45	22.18
16 22 46	16.83	0.00	28.739	15788.	8.737	LOW	0.000	16.26	21.76
16 22 56	16.59	0.00	28.739	15917.	8.739	LOW	0.000	16.25	21.65
16 23 1	21.63	LOW	30.363	14954.	8.884	LOW	0.000	16.22	22.29
16 23 9	24.04	LOW	30.285	14541.	8.935	LOW	0.000	16.25	21.61
16 23 6	22.60	LOW	29.521	15229.	9.037	LOW	0.000	16.37	20.99
16 23 11	22.64	LOW	29.765	15092.	8.932	LOW	0.000	16.32	21.38
16 23 16	16.75	LOW	30.499	14862.	8.725	0.00	0.000	16.26	22.38
16 23 21	17.31	*0000.00	29.277	15307.	8.775	*0000.00	0.000	16.26	22.43
16 23 26	17.79	LOW	29.228	15872.	8.812	LOW	0.000	16.23	22.18
16 23 32	17.55	*0000.00	29.081	15826.	8.790	*0000.00	0.000	16.24	22.07
16 63 37	19.71	0.00	29.130	15780.	8.406	LOW	0.000	16.23	21.94
16 23 42	21.68	*0000.00	29.619	15413.	8.838	LOW	0.000	16.25	21.79
16 23 47	24.04	LOW	30.108	14862.	9.074	LOW	0.000	16.28	21.47
16 23 52	22.64	*0000.00	29.961	14938.	8.979	LOW	0.000	16.26	21.53
16 23 57	23.56	LOW	29.912	15229.	9.037	LOW	0.000	16.29	21.53

TIME H/M/S 02	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 35 POSITN NOZZLE L/HENG	PR 00 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
16 38 34	22.36	*0000.00	29.521	14938.	8.953	LOW	0.000	16.37	21.47
16 38 39	18.75	61.07	29.032	14445.	8.739	.53	0.000	16.26	21.94
16 38 44	17.79	62.41	28.637	14908.	8.572	*0000.00	0.000	16.25	22.02
16 38 49	17.31	63.39	28.837	13413.	3.076	LOW	0.000	16.23	21.88
16 38 54	20.91	60.89	29.179	15229.	1.547	LOW	0.000	16.24	21.73
16 38 59	20.67	60.71	28.739	14862.	0.000	LOW	0.000	16.25	21.76
16 39 4	20.91	60.36	29.374	14679.	.009	LOW	0.000	16.25	21.73
16 39 9	22.12	60.36	29.814	14037.	.027	LOW	0.000	16.28	21.93
16 39 14	20.91	60.54	29.277	14174.	.013	*0000.00	0.000	16.37	21.58
16 39 19	17.79	60.36	28.152	14862.	0.000	LOW	0.000	16.22	22.19
16 39 24	16.83	61.52	28.543	14862.	0.000	*0000.00	0.000	16.23	22.10
16 39 29	16.83	61.43	28.641	15321.	0.000	LOW	0.000	16.21	22.48
16 39 34	18.63	60.50	28.592	15229.	.004	LOW	0.000	16.23	22.03
16 39 39	21.03	58.93	29.521	14587.	.018	LOW	0.000	16.27	21.41
16 39 44	21.68	58.93	29.668	14266.	.013	LOW	0.000	16.27	21.56
16 39 49	24.04	72.52	30.010	14312.	.036	LOW	0.000	16.26	21.53
16 39 54	21.68	71.34	29.668	14450.	.018	LOW	0.000	16.28	21.50
16 39 59	18.35	68.93	28.543	14954.	0.000	.76	0.000	16.26	21.82
16 40 4	17.67	69.02	28.543	14908.	0.000	.35	0.000	16.24	22.20
16 40 9	20.67	69.11	29.130	14862.	.018	LOW	0.000	16.23	21.94
16 40 14	21.35	68.84	29.374	14358.	.009	LOW	0.000	16.25	21.76
16 40 19	20.67	67.66	29.521	14037.	0.000	LOW	0.000	16.23	21.82
16 40 29	21.15	67.59	29.423	13867.	0.000	LOW	0.000	16.25	21.41
16 40 34	19.23	71.61	29.130	13761.	0.000	LOW	0.000	16.28	21.64
16 40 34	18.63	71.34	29.228	13991.	0.000	LOW	0.000	16.26	22.01
16 40 33	21.03	71.07	29.130	13119.	.054	LOW	0.000	16.26	20.92
16 46 38	20.43	81.70	28.592	15165.	.049	LOW	0.000	16.27	21.02
16 46 43	18.75	82.14	28.446	13486.	0.000	0.00	0.000	16.25	21.76
16 46 48	17.55	81.43	28.446	13761.	0.000	*0000.00	0.000	16.23	21.93
16 46 53	18.75	81.43	28.637	13670.	.027	LOW	0.000	16.23	21.76
16 46 58	17.79	81.25	28.543	13761.	.013	*0000.00	0.000	16.22	21.81
16 47 3	18.27	78.04	29.228	13670.	.027	LOW	0.000	16.22	21.94
16 47 8	19.23	77.95	29.032	13486.	.049	LOW	0.000	16.24	21.79
16 47 13	21.15	79.29	29.326	13028.	.036	LOW	0.000	16.25	21.53
16 47 18	19.95	80.27	29.130	12902.	.018	LOW	0.000	16.26	21.81
16 47 23	20.67	80.71	29.130	12752.	.045	LOW	0.000	16.28	21.58
16 47 28	19.71	80.89	28.788	12982.	.022	LOW	0.000	16.27	21.56
16 47 33	16.83	81.96	28.543	13578.	0.000	LOW	0.000	16.25	21.85
16 47 38	17.31	80.98	28.446	13624.	0.000	LOW	0.000	16.22	21.91
16 47 43	18.75	79.82	28.637	13394.	.009	LOW	0.000	16.23	21.94
16 47 48	17.79	80.18	28.641	13532.	.004	LOW	0.000	16.22	22.02
16 47 53	18.75	80.18	29.619	13578.	0.000	LOW	0.000	16.22	21.76
16 47 58	19.95	80.09	29.277	13165.	.018	LOW	0.000	16.24	21.67
16 48 4	21.15	80.36	29.326	12752.	0.000	LOW	0.000	16.29	21.47
16 48 9	20.19	40.98	28.886	12936.	0.000	LOW	0.000	16.28	21.53
16 48 14	20.67	2.68	29.130	12661.	0.000	LOW	0.000	16.27	21.53
16 48 19	19.71	2.50	28.983	12752.	0.000	LOW	0.000	16.27	21.94
16 48 24	17.31	2.65	28.152	13303.	0.000	LOW	0.000	16.26	21.88
16 48 29	17.31	1.01	28.104	12982.	0.000	LOW	0.000	16.24	21.93

TIME H/M/S 02	EC 13 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THRJTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
16 48 34	17.31	1.43	28.837	13308.	0.000	LOW	0.000	16.23	21.76
16 48 39	16.59	50.71	28.641	13486.	0.000	LOW	0.000	16.23	21.93
16 48 44	18.75	100.00	28.543	13394.	0.000	LOW	0.000	16.21	21.70
16 48 49	19.71	99.46	28.886	13211.	0.000	LOW	0.000	16.22	21.73
16 48 54	21.15	100.00	29.521	12661.	.027	LOW	0.000	16.26	21.53
16 48 59	21.15	99.82	29.179	12523.	.022	LOW	0.000	16.27	21.47
16 49 4	19.23	96.39	28.739	12936.	0.000	LOW	0.000	16.28	21.53
16 49 9	19.95	*0000.00	28.983	12431.	0.000	LOW	0.000	16.28	21.53
16 49 14	20.19	LOW	28.837	12752.	0.000	LOW	0.000	16.28	21.47
16 49 19	19.23	*0000.00	28.690	12896.	0.000	LOW	0.000	16.27	21.58
16 49 24	16.83	0.00	28.348	13394.	0.000	LOW	0.000	16.22	21.94
16 49 29	18.03	*0000.00	28.543	13394.	0.000	LOW	0.000	16.19	21.91
16 49 34	16.83	LOW	27.859	13486.	0.000	LOW	0.000	16.23	21.94
16 49 39	17.07	LOW	28.152	13073.	0.000	LOW	0.000	16.23	21.94
16 49 52	21.63	LOW	28.935	13119.	.009	LOW	0.000	16.24	21.70
16 49 49	21.15	LOW	28.935	12936.	.058	LOW	0.000	16.25	21.85
16 49 54	20.67	LOW	28.446	12661.	.009	LOW	0.000	16.27	21.47
16 49 59	20.67	LOW	28.983	12736.	.013	LOW	0.000	16.26	21.53
16 50 9	20.19	LOW	29.228	12569.	0.000	LOW	0.000	16.28	21.47
16 50 9	19.47	*0000.00	29.179	12661.	0.000	LOW	0.000	16.27	21.5?
16 50 14	17.31	2.50	28.739	12844.	0.000	LOW	0.000	16.25	21.7?
16 50 19	17.07	2.86	28.446	13073.	0.000	*0000.00	0.000	16.24	21.75
16 50 24	18.75	1.79	28.641	12569.	0.000	LOW	0.000	16.26	21.64
16 50 29	18.03	1.08	28.543	12890.	0.000	LOW	0.000	16.25	21.76
16 50 34	16.83	2.14	28.446	12661.	0.000	LOW	0.000	16.22	21.94
16 50 40	18.27	49.91	28.641	12936.	0.000	LOW	0.000	16.22	21.94
16 50 45	20.67	97.14	29.228	12752.	.018	LOW	0.000	16.25	21.64
16 50 50	18.99	98.57	28.983	12982.	.009	LOW	0.000	16.23	21.79
16 50 55	20.19	97.14	29.423	12661.	.018	LOW	0.000	16.24	21.64
16 51 0	20.91	98.57	29.423	12431.	.022	LOW	0.000	16.26	21.56
16 51 13	16.35	99.64	28.935	12477.	0.000	LOW	0.000	16.26	21.53
16 51 10	17.07	*0000.00	28.495	12661.	0.000	LOW	0.000	16.27	21.67
16 51 15	20.19	LOW	29.130	12294.	0.000	LOW	0.000	16.28	21.41
16 51 20	18.51	*0000.00	28.690	12477.	0.000	*0000.00	0.000	16.26	21.47
16 51 25	15.87	LOW	28.152	13119.	0.000	LOW	0.000	16.21	21.94
16 51 30	16.59	LOW	28.495	13073.	0.000	LOW	0.000	16.21	21.97
16 51 35	20.67	LOW	29.228	12661.	0.000	LOW	0.000	16.24	21.70
16 51 40	19.47	LOW	28.935	12798.	0.000	LOW	0.000	16.23	21.82
16 51 45	20.67	LOW	28.055	12752.	.009	LOW	0.000	16.23	21.64
16 51 50	21.15	LOW	28.739	12477.	.013	LOW	0.000	16.25	21.53
16 51 55	20.19	LOW	29.032	11927.	0.000	LOW	0.000	16.29	21.41
16 52 0	18.99	*0000.00	28.739	12248.	0.000	LOW	0.000	16.27	21.50
16 52 5	21.15	LOW	28.837	12202.	.009	LOW	0.000	16.29	21.53
16 52 10	19.95	*0000.00	28.739	12385.	.004	LOW	0.000	16.28	21.53
16 52 15	15.38	2.14	28.446	12661.	0.000	LOW	0.000	16.24	21.88
16 52 20	13.46	2.85	28.299	12844.	0.000	LOW	0.000	16.23	21.91
16 52 25	17.31	.71	28.446	13028.	0.000	LOW	0.000	16.17	21.94
16 52 30	17.07	1.52	28.250	12982.	0.000	LOW	0.000	16.16	21.97
16 52 35	17.79	12.50	28.543	13119.	0.000	LOW	0.000	16.21	21.47

TIME H/M/S 02	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/MENG	PR 06 POSITN THRUTL L/MENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
16 52 45	18.99	56.07	28.641	12936.	0.000	LOW	0.000	16.23	21.53
16 52 45	20.19	97.50	29.326	12202.	.009	LOW	0.000	16.26	21.53
16 52 50	20.43	98.48	29.130	12110.	.013	LOW	0.000	16.27	21.50
16 52 55	20.19	98.04	28.935	12294.	.045	LOW	0.000	16.25	22.00
16 53 0	20.91	98.48	29.130	12110.	.022	LOW	0.000	16.25	21.73
16 53 13	18.27	98.93	28.543	12477.	0.000	LOW	0.000	16.27	21.70
16 53 10	17.79	49.46	28.543	12615.	0.000	LOW	0.000	16.26	22.14
16 53 16	15.38	0.00	27.273	13028.	0.000	LOW	0.000	16.23	22.10
16 53 21	16.11	0.00	27.618	12798.	0.000	LOW	0.000	16.25	21.93
16 53 26	16.83	0.00	28.446	12752.	0.000	LOW	0.000	16.23	21.94
16 53 31	17.47	*0000.00	28.543	12844.	0.000	LOW	0.000	16.22	21.97
16 53 36	20.67	LOW	29.132	12385.	0.000	LOW	0.000	16.24	21.64
16 53 41	20.91	LOW	29.277	12202.	0.000	LOW	0.000	16.25	21.50
16 53 46	20.67	LOW	29.326	12110.	0.000	LOW	0.000	16.23	21.64
16 53 51	20.91	LOW	29.326	12110.	0.000	LOW	0.000	16.25	21.50
16 53 56	19.71	0.00	28.935	12294.	0.000	LOW	0.000	16.25	21.47
16 54 1	18.51	0.00	28.788	12431.	0.000	LOW	0.000	16.25	21.61
16 54 6	16.35	LOW	28.055	12936.	0.000	LOW	0.000	16.19	21.80
16 54 11	16.83	*0000.00	28.152	12861.	0.000	*0000.00	0.000	16.23	21.82
16 54 16	16.83	45.71	28.348	12752.	0.000	LOW	0.000	16.23	21.94
16 54 21	16.35	45.63	28.250	12798.	0.000	LOW	0.000	16.22	21.70
16 54 26	16.27	45.16	28.935	12861.	0.000	LOW	0.000	16.22	21.82
16 54 31	18.99	44.55	28.983	12523.	.004	LOW	0.000	16.23	21.64
16 54 36	20.67	45.00	29.326	11500.	.018	LOW	0.000	16.26	21.47
16 54 41	20.43	45.27	29.081	11972.	.009	LOW	0.000	16.24	21.61
16 54 46	21.15	44.11	29.032	12018.	.027	LOW	0.000	16.25	21.53
16 54 51	21.35	45.00	29.130	12339.	.013	LOW	0.000	16.26	21.47
16 54 56	18.75	46.07	28.837	12292.	0.000	LOW	0.000	16.27	21.58
16 55 1	17.55	46.52	28.641	12339.	0.000	*0000.00	0.000	16.26	21.73
16 55 6	19.71	46.61	28.935	12018.	0.000	LOW	0.000	16.27	21.47
16 56 9	19.23	46.61	28.739	12018.	0.000	LOW	0.000	16.27	21.56
16 56 14	16.35	46.07	28.348	12509.	0.000	LOW	0.000	16.25	21.68
16 56 19	16.35	46.25	28.348	12661.	0.000	LOW	0.000	23.99	21.99
16 56 24	19.23	44.54	28.446	12477.	0.000	LOW	0.000	50.20	21.88
16 56 29	19.95	44.38	28.788	12234.	0.000	LOW	0.000	59.91	21.76
16 56 34	17.79	45.89	28.543	12385.	0.000	LOW	0.000	71.35	21.94
16 56 39	18.75	45.80	28.690	12339.	0.000	LOW	0.000	71.43	21.85
16 56 49	20.67	44.04	28.837	12018.	0.000	LOW	0.000	71.69	21.84
16 56 54	20.19	45.00	29.081	11967.	0.000	LOW	0.000	64.17	21.50
16 56 59	20.19	46.79	28.055	11835.	0.000	LOW	0.000	42.57	21.47
16 56 59	20.43	45.18	28.641	12156.	0.000	LOW	0.000	35.51	21.50
16 57 4	21.15	46.25	29.326	11500.	0.000	LOW	0.000	16.62	21.47
16 57 9	19.95	46.25	28.935	11697.	0.000	LOW	0.000	16.45	21.56
16 57 14	16.83	46.96	28.055	12385.	0.000	0.00	0.000	16.26	21.94
16 57 19	16.83	46.01	28.201	12477.	0.000	*0000.00	2.462	16.25	22.07
16 57 24	17.31	47.14	28.543	12252.	0.000	0.00	15.166	16.26	21.68
16 57 30	17.47	46.79	28.397	12385.	0.000	*0000.00	24.726	16.25	21.94
16 57 35	17.79	45.71	28.250	12661.	0.000	LOW	34.500	16.23	21.94
16 57 40	18.63	45.18	28.543	12523.	0.000	LOW	34.461	16.24	21.83

TIME H/M/S	EC 13 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THRJTL L/HLNG	FC 01 POSITN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
16 57 45	20.67	44.29	29.423	12618.	0.000	LOW	32.342	16.27	21.73
16 57 50	19.23	44.91	28.983	12248.	0.000	LOW	30.178	16.25	21.82
16 57 55	20.67	44.64	29.521	12018.	.016	LOW	31.650	16.26	21.73
16 58 0	20.43	44.91	29.374	11927.	.009	LOW	19.080	16.32	21.56
16 58 5	20.19	45.71	29.326	11500.	0.000	LOW	18.069	16.54	21.47
16 58 10	19.23	46.07	28.935	11081.	0.000	LOW	7.983	16.41	21.81
16 58 15	19.71	46.25	29.130	11560.	0.000	LOW	.007	16.54	21.47
16 58 20	18.99	46.88	28.592	11835.	0.000	LOW	7.261	16.39	21.58
16 58 25	16.35	46.96	28.348	12477.	0.000	LOW	4.804	16.25	21.94
16 58 30	17.67	45.98	28.543	12477.	0.000	LOW	2.402	16.24	21.97
16 58 35	19.71	45.71	29.130	12202.	0.000	LOW	0.000	16.25	21.75
16 58 40	17.55	45.71	28.739	12385.	0.000	LOW	0.000	16.25	21.85
16 58 45	19.23	43.93	28.837	12202.	0.000	LOW	9.753	16.25	21.82
16 58 50	20.19	44.46	29.032	11972.	0.000	LOW	14.120	16.25	21.67
16 58 55	21.15	46.61	29.228	11651.	0.000	LOW	1.869	16.29	21.41
16 59 0	20.91	46.34	29.081	11697.	0.000	LOW	4.361	16.33	21.50
16 59 5	21.15	45.71	29.326	11651.	0.000	LOW	12.460	16.37	21.35
16 59 10	20.91	45.63	29.277	12018.	0.000	LOW	14.641	16.33	21.50
16 59 15	17.79	47.68	28.446	12202.	0.000	LOW	23.286	16.27	21.75
16 59 25	17.07	47.41	28.348	12294.	0.000	LOW	26.206	16.26	21.88
16 59 25	17.31	46.25	28.543	12569.	0.000	LOW	34.560	16.23	21.94
16 59 35	16.83	46.07	28.495	12509.	0.000	LOW	34.500	16.24	21.97
16 59 35	17.31	45.89	28.446	12752.	0.003	LOW	34.500	16.24	22.00
16 59 40	18.51	45.54	28.837	12156.	0.000	LOW	34.500	16.25	21.82
16 59 45	21.15	43.39	28.935	11743.	.009	LOW	34.500	16.28	21.53
16 59 50	20.91	44.73	29.130	11743.	.004	LOW	34.344	16.28	21.53
16 59 55	20.67	45.36	28.935	12018.	0.000	LOW	15.458	16.27	21.56
17 0 0	21.15	45.45	29.130	11789.	.013	LOW	10.256	16.28	21.53
17 45 23	15.87	84.02	28.055	13163.	0.000	LOW	33.721	16.25	21.84
17 45 28	15.87	84.37	28.006	13092.	0.000	LOW	33.750	16.25	21.84
17 45 33	15.38	83.93	28.055	13092.	0.000	LOW	33.877	16.24	22.00
17 45 39	15.63	84.11	28.006	13138.	0.000	LOW	33.955	16.24	21.97
17 45 44	16.35	83.93	27.957	13163.	0.000	LOW	34.560	16.23	22.00
17 45 49	16.59	84.29	28.055	9954.	0.000	LOW	33.916	16.25	21.85
17 45 54	15.87	84.82	27.761	9817.	0.000	LOW	33.721	16.26	21.78
17 45 59	15.87	85.00	27.859	9862.	0.000	LOW	33.916	16.26	21.79
17 46 4	15.38	85.00	28.152	13092.	0.000	LOW	33.410	16.25	21.97
17 46 9	9.62	84.46	28.104	13046.	0.000	LOW	33.343	16.24	21.78
17 46 14	19.23	85.18	28.543	9296.	0.000	LOW	33.721	16.37	21.53
17 46 19	19.47	84.91	28.641	9312.	0.000	LOW	33.682	16.33	21.50
17 46 32	18.75	84.29	28.055	9991.	0.000	LOW	33.877	16.27	21.47
17 46 29	18.27	84.91	28.152	9312.	0.000	LOW	33.604	16.28	21.53
17 46 34	17.79	85.00	27.859	9456.	0.000	0.00	33.488	16.28	21.64
17 46 39	17.07	84.91	27.810	9537.	0.000	*0000.00	33.604	16.28	21.78
17 47 37	17.79	83.84	29.228	13008.	0.000	LOW	34.188	16.25	22.00
17 47 42	18.27	82.86	28.837	9817.	0.000	LOW	34.305	16.25	22.00
17 47 47	18.75	83.75	28.543	9633.	0.000	LOW	34.333	16.25	21.88
17 47 52	19.23	82.95	28.886	9587.	0.000	LOW	34.111	16.25	21.90
17 47 57	19.23	82.14	29.130	9358.	0.000	LOW	34.422	16.26	21.53

TIME H/M/S 02	EC 13 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THRDTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
17 58 33	19.47	82.95	28.800	8358.	0.000	LOW	34.401	16.24	27.61
17 58 38	19.23	82.14	28.935	8328.	0.000	LOW	34.344	16.23	76.81
17 58 43	18.51	81.96	28.963	8358.	0.000	LOW	34.305	16.24	38.40
17 58 48	19.71	82.50	28.739	8174.	0.000	LOW	34.188	16.25	0.00
17 58 53	19.71	82.68	28.837	8128.	.009	LOW	34.266	16.25	0.00
17 58 58	16.63	84.82	27.957	8817.	0.000	LOW	34.266	16.23	44.71
17 59 3	16.83	84.20	28.152	8771.	0.000	LOW	34.227	16.23	22.35
17 59 8	16.83	83.57	28.250	8257.	0.000	LOW	34.188	16.22	44.52
17 59 13	17.07	83.13	28.250	8853.	0.000	LOW	34.266	16.22	22.26
17 59 18	17.79	82.86	28.641	8358.	0.000	LOW	34.344	16.22	HIGH
17 59 23	17.55	83.93	28.250	8404.	0.000	*0000.00	34.227	16.23	HIGH
17 59 28	11.54	84.64	27.761	8633.	0.000	LOW	33.643	16.24	22.30
17 59 33	13.94	84.55	27.761	8633.	0.000	LOW	33.916	16.23	21.97
17 59 38	16.83	83.21	28.348	8633.	0.000	LOW	34.266	16.23	22.13
18 6 39	17.31	*0000.00	28.348	8404.	.027	LOW	17.133	16.26	21.87
18 6 44	21.15	LOW	28.739	8716.	.071	LOW	0.000	16.28	21.82
18 6 49	19.23	LOW	28.641	8991.	.049	LOW	0.000	16.28	21.76
18 6 54	20.19	0.00	28.543	8847.	.054	LOW	0.000	16.26	21.76
18 6 59	19.23	*0000.00	28.446	8945.	.054	LOW	0.000	16.26	21.70
18 7 4	16.35	LOW	28.250	8991.	.045	LOW	0.000	16.25	21.70
18 7 9	17.79	LOW	28.299	8839.	.040	LOW	0.000	16.31	21.75
18 7 14	17.31	LOW	28.837	8450.	.036	LOW	0.000	16.26	21.82
18 7 19	17.31	LOW	28.641	8266.	.031	LOW	0.000	16.27	21.79
18 7 32	19.23	0.00	28.446	8991.	.045	LOW	0.000	16.26	21.76
18 7 29	18.69	0.00	28.348	8991.	.058	LOW	0.000	16.27	21.73
18 7 34	18.75	LOW	28.641	8899.	.009	LOW	0.000	16.26	21.88
18 7 44	18.75	*0000.00	28.543	8945.	.054	LOW	0.000	16.27	21.79
18 7 44	19.71	LOW	28.055	8257.	.054	LOW	0.000	16.26	21.76
18 7 49	19.95	*0000.00	28.299	8532.	.094	LOW	0.000	16.26	21.76
18 7 54	17.79	LOW	28.543	8863.	.027	LOW	0.000	16.28	21.47
18 7 59	18.27	*0000.00	28.495	8991.	.049	LOW	0.000	16.28	21.53
18 8 4	19.71	LOW	28.250	8899.	.054	LOW	0.000	16.28	21.84
18 8 9	19.23	LOW	28.250	8899.	.045	LOW	0.000	16.26	21.83
18 8 14	18.75	0.00	28.055	8174.	.054	LOW	0.000	16.26	21.68
18 8 20	18.75	*0000.00	28.152	8128.	.027	LOW	0.000	16.33	21.76
18 8 25	19.71	LOW	28.348	8899.	.054	LOW	0.000	16.26	21.94
18 8 30	18.51	LOW	28.201	8951.	.040	LOW	0.000	16.36	21.85
18 20 33	19.23	0.00	28.837	8899.	.054	LOW	0.000	16.27	21.70
18 20 38	17.31	*0000.00	28.935	8899.	.054	LOW	0.000	16.27	21.73
18 20 43	19.71	LOW	28.446	8847.	.054	LOW	0.000	16.29	21.84
18 21 14	19.23	*0000.00	28.788	8174.	.040	LOW	0.000	16.26	21.73
18 21 14	18.75	LOW	29.619	8206.	0.000	LOW	0.000	16.27	22.00
18 21 19	18.75	LOW	29.521	8358.	.031	LOW	0.000	16.28	21.91
18 21 24	19.23	0.00	29.521	8266.	.054	LOW	0.000	16.25	21.76
18 21 29	18.75	*0000.00	29.277	8358.	.040	LOW	0.000	16.26	21.73
18 21 34	18.75	LOW	29.717	8450.	.018	LOW	0.000	16.26	21.94
18 21 39	19.23	LOW	29.668	8358.	.009	LOW	0.000	16.27	21.91
18 21 45	19.23	LOW	29.619	8358.	.027	LOW	0.000	16.27	21.96
18 21 50	19.95	LOW	29.521	8174.	.036	LOW	0.000	16.27	21.73

TIME H/M/S 02	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSITN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPLED BRAKE DOOR
18 21 55	20.67	LOW	29.228	3174.	.045	LOW	0.000	16.28	21.76
18 22 0	20.19	*0000.00	29.326	3206.	.049	LOW	0.000	16.26	21.70
18 22 5	20.19	0.00	29.228	3063.	.036	LOW	0.000	16.26	21.76
18 22 10	20.43	*0000.00	29.081	3128.	.031	LOW	0.000	16.28	21.73
18 22 15	18.75	LOW	29.521	3174.	0.000	LOW	0.000	16.28	21.82
18 22 20	19.47	LOW	29.570	3128.	.009	LOW	0.000	16.27	21.68
18 22 25	18.75	LOW	29.032	3450.	.009	LOW	0.000	16.28	21.73
18 22 30	17.07	LOW	29.277	3434.	.018	LOW	0.000	16.28	21.82
18 22 35	17.79	LOW	29.228	3174.	.016	LOW	0.000	16.27	21.73
18 22 40	17.79	LOW	29.179	3266.	.022	LOW	0.000	16.27	21.79
18 22 45	19.71	LOW	29.717	3063.	.027	LOW	0.000	16.25	21.94
18 22 50	20.19	LOW	29.423	3053.	.031	LOW	0.000	16.26	21.85
18 22 55	19.71	0.00	28.935	3063.	.054	LOW	0.000	16.29	21.70
18 23 0	17.55	*0000.00	29.032	3128.	.036	LOW	0.000	16.28	21.79

C COMMUTATOR

TIME H/M/S 03	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
16 19 3	24490.	-.07	102.	-.04	.02	7[illegible]	80.	84.	80.	76.	75.	74.	82.
16 59 8	19755.	-.02	88.	.04	.02	76.	81.	92.	77.	75.	75.	76.	83.
16 19 13	4604.	-.01	90.	.07	.11	74.	80.	78.	79.	76.	76.	83.	86.
16 19 31	2280.	-.04	97.	.07	.08	76.	80.	76.	80.	77.	76.	78.	85.
16 19 28	-401.	0.00	101.	-.09	.03	79.	80.	84.	7o.	77.	75.	74.	83.
16 19 33	-267.	-.06	103.	-.01	.10	77.	79.	82.	77.	76.	75.	77.	84.
16 19 33	-133.	0.00	90.	.03	.04	78.	82.	85.	77.	76.	74.	69.	84.
16 19 38	-89.	.01	84.	.02	.03	78.	81.	82.	75.	76.	74.	75.	83.
16 19 43	-667.	0.00	91.	.10	.12	76.	80.	81.	82.	76.	7o.	76.	83.
16 59 48	-578.	-.03	94.	.06	.06	78.	80.	83.	79.	77.	7o.	74.	82.
16 19 53	311.	-.12	102.	.18	.01	79.	80.	80.	7o.	77.	76.	60.	84.
16 59 58	485.	-.15	101.	.12	.02	77	79.	79.	78	73.	7o.	77.	84.
16 20 4	-400.	0.00	97.	.10	.02	80.	79.	84.	75.	76.	76.	74.	80.
16 20 9	-400.	-.03	96.	.10	.03	78.	80.	81.	77.	77.	76.	77.	83.
16 21 26	-133.	-.01	134.	.09	.00	80.	74.	84.	82.	75.	77.	75.	82.
16 21 31	-44.	-.01	141.	.07	.02	80.	7o.	84.	80.	75.	77.	74.	82.
16 21 36	-578.	.21	150.	.15	.02	79.	78.	84.	75.	78.	78.	77.	83.
16 21 41	-178.	.18	163.	.09	.04	78.	7o.	81.	7o.	77.	77.	78.	85.
16 21 46	-44.	.12	167.	-.01	.03	82.	79.	85.	77.	76.	7o.	72.	82.
16 21 51	-176.	.18	169.	.01	.02	81.	79.	85.	77.	76.	77.	73.	83.
16 21 56	-133.	.23	161.	.10	-.01	82.	7o.	84.	7o.	78.	77.	77.	82.
16 22 1	-356.	.17	165.	.10	.02	80.	79.	81.	7o.	77.	77.	79.	84.
16 22 6	-133.	.23	160.	.06	.05	76.	81.	81.	78.	77.	77.	82.	87.
16 22 11	-222.	.23	186.	.11	.04	76.	80.	80.	79.	75.	77.	80.	86.
16 22 16	-44.	.13	199.	.16	.04	81.	80.	84.	34.	76.	78.	75.	82.
16 22 21	-356.	.16	204.	.11	.03	82.	80.	85.	80.	77.	78.	74.	82.
16 22 34	-44.	.16	227.	.12	.03	81.	79.	79.	74.	78.	74.	80.	86.
16 22 36	-44.	.19	230.	.06	.00	79.	81.	79.	77.	77.	7o.	81.	88.
16 22 41	-489.	.19	254.	.15	.02	81.	82.	79.	80.	77.	78.	74.	82.
16 22 46	-133.	.16	254.	.12	.03	80.	81.	80.	78.	77.	77.	76.	85.
16 22 51	-222.	.18	249.	.09	.02	78.	80.	80.	80.	76.	75.	81.	89.
16 22 56	-356.	.16	254.	.09	.02	79.	80.	81.	82.	75.	76.	78.	84.
16 23 1	-133.	.15	270.	.19	0.00	77.	74.	85.	7o.	78.	78.	74.	82.
16 23 9	-89.	.15	265.	.11	-.00	79.	77.	82.	75.	78.	78.	77.	84.
16 23 6	44.	.13	264.	.13	-.00	81.	80.	82.	77.	78.	77.	82.	86.
16 23 11	44.	.15	266.	.10	.01	81.	80.	83.	80.	77.	77.	77.	86.
16 23 16	-400.	.26	279.	.09	.01	82.	7o.	84.	7o.	77.	77.	77.	83.
16 23 21	-444.	.23	273.	.04	.02	82.	79.	82.	73.	78.	77.	78.	87.
16 23 26	-00	.21	275.	.00	.04	80.	80.	79.	79.	77.	75.	83.	88.
16 23 32	*737856.	.20	271.	.07	.03	80.	80.	80.	79.	75.	76.	82.	87.
16 63 37	-1378.	.25	2o3.	-.01	.01	81.	81.	85.	7o.	78.	77.	74.	74.
16 23 42	-933.	.23	267.	-.01	.02	81.	81.	85.	81.	78.	77.	75.	7o.
16 23 47	133.	.13	276.	.09	.06	82.	84.	85.	7o.	78.	77.	79.	85.
16 23 52	0.	.18	278.	.05	.04	83.	83.	85.	75.	76.	77.	7o.	84.
16 23 57	-489.	.22	281.	-.01	.05	82.	80.	85.	78.	78.	77.	78.	84.

TIME H/M/S 03	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/M ELECT BAY	EC 93 PRESS DIFF R/M ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP A R CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/M CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/M CABIN
16 38 34	*737856.	.30	361.	.04	.06	75.	76.	77.	76.	75.	71.	66.	70.
16 38 39	-400.	.51	484.	.21	.03	69.	74.	69.	73.	73.	62.	58.	54.
16 38 44	-400.	.37	474.	.15	.04	69.	74.	70.	76.	72.	62.	55.	54.
16 38 49	489.	.38	489.	.12	.03	70.	72.	68.	67.	74.	62.	56.	56.
16 38 54	0.	.35	485.	.07	.05	70.	73.	71.	69.	75.	62.	52.	54.
16 38 59	311.	.32	483.	.09	-.00	69.	73.	67.	69.	73.	61.	58.	53.
16 39 4	0.	.35	483.	.16	.01	68.	73.	68.	71.	73.	61.	53.	52.
16 39 9	133.	.41	484.	.01	.05	67.	72.	69.	74.	71.	60.	52.	52.
16 39 14	-133.	.31	481.	.04	.03	66.	73.	68.	73.	73.	60.	55.	54.
16 39 19	-133.	.01	454.	.15	.01	66.	74.	67.	73.	69.	59.	55.	57.
16 39 24	89.	.23	424.	.11	.02	68.	74.	67.	73.	71.	60.	55.	57.
16 39 29	44.	.35	371.	.07	.00	67.	72.	70.	71.	71.	62.	60.	54.
16 39 34	-133.	.32	356.	.05	.03	67.	73.	69.	68.	73.	61.	53.	55.
16 39 39	-44.	.19	334.	.09	.05	66.	71.	69.	73.	71.	61.	53.	56.
16 39 44	-178.	.24	322.	.04	.04	66.	71.	71.	71.	73.	61.	52.	56.
16 39 49	-578.	.32	312.	.06	.04	66.	74.	66.	73.	71.	53.	58.	56.
16 39 59	-622.	.34	307.	.05	.04	66.	74.	66.	70.	72.	57.	58.	58.
16 40 4	-311.	.34	305.	.16	.03	63.	74.	73.	73.	74.	61.	60.	55.
16 40 9	-622.	.34	304.	.11	.07	65.	74.	71.	73.	73.	61.	46.	56.
16 40 9	-44.	.25	303.	.04	-.00	67.	74.	70.	71.	72.	59.	48.	56.
16 40 14	-311.	.29	294.	.07	.00	67.	73.	70.	73.	72.	61.	50.	56.
16 40 19	44.	.43	293.	.12	.02	67.	74.	69.	74.	72.	61.	52.	55.
16 40 29	89.	.36	289.	.08	.03	67.	74.	67.	72.	72.	61.	56.	57.
16 40 34	-400.	.32	288.	.04	.07	67.	76.	67.	60.	74.	58.	56.	58.
16 40 34	-489.	.34	289.	.04	.06	67.	74.	69.	66.	74.	59.	56.	57.
16 46 33	311.	.23	727.	.16	.05	74.	73.	73.	75.	79.	74.	82.	82.
16 46 38	-133.	.29	729.	.13	.05	75.	78.	74.	77.	78.	74.	79.	81.
16 46 43	-667.	.44	767.	.10	.05	78.	80.	74.	75.	79.	74.	84.	82.
16 46 53	-667.	.37	765.	.10	.06	77.	79.	74.	75.	79.	74.	79.	82.
16 46 53	-756.	.26	764.	.12	.05	78.	78.	76.	78.	76.	74.	77.	79.
16 46 58	-533.	.29	768.	.07	.05	78.	78.	78.	76.	77.	74.	77.	78.
16 47 3	-311.	.37	779.	.16	.09	78.	79.	77.	74.	80.	74.	82.	81.
16 47 8	0.	.32	772.	.10	.02	78.	79.	78.	75.	79.	75.	78.	79.
16 47 13	-578.	.37	750.	-.03	.05	74.	79.	76.	79.	78.	75.	84.	80.
16 47 23	-400.	.34	739.	.06	.05	75.	75.	78.	77.	78.	75.	81.	79.
16 47 28	-133.	.23	692.	.06	.04	79.	79.	80.	75.	78.	73.	74.	77.
16 47 28	-267.	.26	684.	.12	.04	79.	79.	78.	75.	77.	72.	79.	79.
16 47 33	-578.	.34	632.	.15	.03	78.	75.	74.	78.	78.	74.	83.	82.
16 47 38	-622.	.31	624.	.18	.03	77.	78.	77.	78.	78.	74.	79.	80.
16 47 43	-400.	.25	589.	.09	.04	78.	78.	80.	74.	80.	74.	79.	76.
16 47 48	-267.	.32	584.	.12	.04	78.	77.	77.	74.	79.	74.	80.	78.
16 47 53	-44.	.44	552.	.12	.06	76.	80.	74.	80.	77.	72.	77.	82.
16 47 58	-133.	.43	546.	.07	.03	76.	78.	74.	81.	77.	73.	77.	80.
16 48 4	-667.	.29	529.	.15	.04	77.	80.	80.	79.	79.	69.	75.	78.
16 48 9	-489.	.37	526.	.10	.04	78.	81.	80.	78.	79.	72.	74.	77.
16 48 14	133.	.38	527.	.01	.05	77.	79.	76.	76.	79.	73.	71.	71.
16 48 19	-222.	.36	518.	.09	.03	78.	78.	75.	77.	78.	73.	74.	73.
16 48 24	-578.	.23	519.	.09	.03	74.	76.	79.	79.	76.	71.	66.	68.
16 48 29	-400.	.29	510.	.12	.03	75.	77.	77.	75.	76.	71.	69.	68.

TIME H/M/S 03	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
16 48 34	-311.	.38	511.	.18	.03	76.	76.	67.	76.	75.	70.	71.	66.
16 48 39	-311.	.35	511.	.15	.04	75.	76.	73.	78.	75.	70.	65.	66.
16 48 44	-667.	.35	500.	.01	.03	73.	75.	71.	72.	76.	69.	70.	71.
16 48 49	-533.	.37	503.	0.00	.04	73.	76.	74.	73.	77.	71.	68.	71.
16 48 54	-44.	.35	510.	.12	.05	75.	79.	71.	72.	76.	74.	79.	81.
16 48 59	-178.	.36	503.	.08	.03	75.	79.	73.	75.	76.	74.	78.	82.
16 49 4	-311.	.22	507.	.01	.04	76.	79.	79.	78.	79.	75.	76.	82.
16 49 9	-356.	.35	501.	.06	.04	75.	80.	79.	79.	79.	76.	77.	81.
16 49 14	-667.	.51	493.	.15	.05	79.	80.	80.	77.	78.	74.	73.	75.
16 49 19	-533.	.42	499.	.10	.05	78.	78.	79.	74.	77.	74.	74.	74.
16 49 29	-578.	.47	494.	.03	.03	76.	77.	74.	74.	76.	74.	77.	73.
16 49 29	-356.	.37	500.	.07	.03	75.	77.	76.	76.	77.	73.	71.	69.
16 49 34	44.	.38	508.	.16	.05	74.	76.	79.	77.	74.	71.	68.	62.
16 49 39	133.	.36	507.	.06	.05	75.	75.	78.	75.	75.	71.	62.	65.
16 49 52	-44.	.35	503.	.06	.07	75.	78.	73.	72.	78.	74.	83.	87.
16 49 49	0.	.35	505.	.02	.06	76.	79.	75.	78.	78.	76.	85.	91.
16 49 59	-667.	.41	491.	.07	.02	81.	84.	80.	74.	80.	81.	99.	107.
16 50 4	-489.	.37	493.	.07	.04	81.	85.	78.	75.	80.	82.	106.	114.
16 50 9	133.	.23	500.	.04	.06	86.	88.	84.	78.	84.	88.	108.	122.
16 50 9	89.	.32	500.	.02	.06	86.	87.	81.	78.	83.	87.	113.	121.
16 50 14	-756.	.45	493.	.10	-.00	85.	87.	78.	84.	88.	85.	113.	112.
16 50 19	-667.	.22	486.	.10	.02	86.	85.	80.	84.	79.	80.	107.	107.
16 50 24	44.	.23	511.	.13	.04	86.	74.	86.	82.	81.	85.	97.	97.
16 50 29	-133.	.31	502.	.08	.03	86.	76.	83.	84.	79.	84.	98.	97.
16 50 34	-578.	.26	493.	.15	.05	86.	79.	86.	82.	80.	83.	90.	91.
16 50 40	-622.	.30	489.	.01	.05	86.	81.	82.	83.	79.	83.	93.	92.
16 50 45	-578.	.35	484.	.09	.03	86.	79.	84.	81.	80.	82.	86.	88.
16 50 50	-356.	.33	491.	.04	.02	85.	80.	81.	81.	81.	80.	91.	92.
16 50 55	-578.	.35	494.	.04	.06	86.	84.	83.	79.	80.	82.	95.	95.
16 51 0	-622.	.34	491.	.08	.05	85.	84.	81.	83.	79.	83.	95.	98.
16 51 13	44.	.28	503.	.04	.00	79.	84.	78.	83.	80.	84.	106.	107.
16 51 10	-178.	.42	496.	.05	.01	82.	85.	82.	84.	80.	85.	100.	102.
16 51 15	-133.	.43	505.	.09	.07	88.	86.	80.	79.	80.	78.	96.	93.
16 51 20	-178.	.44	504.	.07	.03	86.	83.	81.	84.	79.	79.	91.	88.
16 51 25	-578.	.37	491.	.16	.04	82.	83.	83.	80.	78.	82.	82.	83.
16 51 30	-400.	.40	493.	.10	.04	83.	81.	83.	83.	79.	81.	81.	78.
16 51 35	-44.	.44	503.	.01	.03	82.	80.	78.	85.	77.	81.	68.	63.
16 51 40	-356.	.43	491.	.02	.04	83.	80.	81.	83.	77.	81.	79.	69.
16 51 45	-578.	.35	491.	.13	.01	82.	84.	83.	85.	80.	82.	86.	87.
16 51 50	-356.	.34	490.	.15	.04	84.	85.	79.	82.	80.	83.	93.	101.
16 51 55	-44.	.32	489.	.01	.06	86.	85.	85.	85.	83.	87.	101.	108.
16 52 0	-89.	.32	494.	.01	.04	82.	86.	83.	85.	83.	89.	110.	116.
16 52 5	-578.	.37	496.	.15	.07	80.	90.	87.	86.	85.	93.	114.	123.
16 52 10	-311.	.47	492.	.10	.04	81.	90.	87.	89.	84.	92.	112.	118.
16 52 15	-578.	.29	491.	.06	.06	80.	88.	83.	81.	82.	90.	110.	110.
16 52 20	-533.	.29	493.	.09	.03	80.	86.	82.	90.	82.	90.	110.	106.
16 52 25	133.	.28	483.	.15	.03	81.	88.	74.	83.	82.	89.	102.	100.
16 52 35	-222.	.29	493.	.13	.04	88.	86.	81.	85.	82.	86.	98.	97.
16 52 40	-400.	.37	486.	.09	.02	88.	84.	84.	92.	81.	86.	90.	91.

TIME H/M/S 03	DS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/M ELECT BAY	EC 93 PRESS DIFF R/M ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 6 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/M CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/M CABIN
16 52 45	-356.	.34	492.	.05	.01	38.	83.	83.	92.	80.	80.	91.	90.
16 52 45	-756.	.34	491.	.03	.03	86.	85.	82.	87.	80.	85.	91.	94.
16 52 50	-311.	.26	496.	.03	.02	85.	84.	83.	85.	81.	85.	92.	89.
16 52 55	-489.	.23	501.	0.00	.03	86.	78.	82.	90.	81.	85.	93.	96.
16 53 0	-578.	.26	493.	.07	.04	88.	82.	78.	87.	82.	80.	95.	98.
16 53 13	44.	.22	483.	-.01	.00	98.	86.	88.	80.	82.	87.	95.	95.
16 53 10	-44.	.31	486.	-.01	.02	98.	86.	85.	80.	82.	87.	99.	96.
16 53 16	-311.	.54	500.	-.04	.03	87.	84.	87.	84.	80.	86.	94.	90.
16 53 21	-401.	.44	493.	0.00	.04	87.	84.	84.	80.	80.	86.	93.	89.
16 53 26	-311.	.35	494.	0.00	.03	85.	77.	81.	87.	80.	83.	90.	85.
16 53 31	-444.	.34	493.	.01	.05	85.	80.	80.	85.	80.	82.	88.	82.
16 53 36	-133.	.25	491.	.01	.07	85.	74.	84.	81.	82.	81.	77.	73.
16 53 41	-222.	.32	493.	.01	.05	85.	77.	84.	81.	82.	81.	77.	75.
16 53 46	-311.	.40	507.	.03	.05	85.	81.	84.	82.	82.	82.	85.	90.
16 53 51	-444.	.40	503.	.04	.05	85.	84.	80.	81.	82.	84.	91.	95.
16 53 56	578.	.32	497.	-.01	.05	85.	84.	80.	84.	83.	86.	100.	112.
16 54 1	222.	.33	493.	.05	.03	86.	86.	81.	85.	84.	88.	111.	114.
16 54 6	-489.	.26	501.	.07	.02	91.	88.	82.	85.	84.	93.	120.	126.
16 54 11	-489.	.29	497.	.07	.07	92.	89.	83.	84.	85.	93.	119.	121.
16 54 16	133.	.47	489.	.09	.04	95.	86.	88.	87.	84.	91.	110.	100.
16 54 21	222.	.34	491.	.04	.04	95.	87.	89.	90.	83.	92.	105.	104.
16 54 26	-578.	.36	493.	.07	.02	93.	86.	89.	92.	82.	90.	95.	95.
16 54 31	-444.	.40	496.	.07	.03	92.	85.	81.	91.	82.	91.	93.	90.
16 54 36	-311.	.47	493.	.09	.03	91.	85.	88.	93.	80.	88.	87.	88.
16 54 41	-356.	.40	487.	.05	.03	91.	86.	85.	93.	81.	89.	86.	89.
16 54 46	-489.	.34	459.	.13	.04	90.	84.	82.	90.	82.	88.	93.	90.
16 54 51	-222.	.31	441.	.10	.04	89.	83.	82.	88.	81.	86.	91.	87.
16 54 56	-222.	.16	404.	.09	.02	86.	85.	83.	90.	80.	86.	90.	88.
16 55 1	-489.	.14	408.	.03	.01	86.	84.	82.	89.	81.	86.	91.	88.
16 55 6	44.	.32	368.	.04	.05	87.	83.	82.	84.	82.	79.	91.	88.
16 56 9	-89.	.32	336.	.07	.05	86.	82.	82.	83.	82.	80.	86.	84.
16 56 19	44.	.22	311.	-.03	.03	85.	83.	78.	82.	82.	82.	84.	82.
16 56 24	0.	.24	307.	.03	.03	85.	84.	79.	82.	82.	79.	83.	82.
16 56 29	-489.	.21	298.	-.09	.02	82.	83.	78.	84.	84.	80.	84.	84.
16 56 29	-178.	.22	294.	.01	.03	82.	76.	79.	87.	82.	81.	80.	82.
16 56 34	311.	.20	301.	.01	-.00	83.	83.	84.	84.	81.	81.	74.	76.
16 56 39	44.	.24	299.	.01	.02	84.	83.	84.	89.	79.	81.	74.	76.
16 56 49	133.	.21	300.	.04	.02	82.	84.	79.	88.	74.	80.	72.	76.
16 56 54	-89.	.23	295.	.08	.03	82.	83.	79.	80.	78.	80.	74.	76.
16 56 59	44.	.19	289.	.03	.01	82.	75.	81.	89.	82.	80.	74.	76.
16 56 59	-89.	.21	290.	.05	.03	82.	80.	80.	88.	81.	80.	76.	78.
16 57 4	-578.	.26	289.	.01	.05	82.	55.	80.	82.	84.	78.	75.	76.
16 57 9	-622.	.23	289.	-.03	.00	84.	84.	73.	81.	84.	79.	77.	76.
16 57 14	-44.	.35	294.	.01	.03	82.	82.	77.	82.	83.	78.	79.	80.
16 57 19	-133.	.25	293.	.01	.04	81.	81.	77.	78.	83.	79.	79.	79.
16 57 24	44.	-.01	293.	.03	.01	81.	82.	76.	85.	81.	74.	78.	77.
16 57 30	-267.	.16	298.	.01	.02	81.	81.	79.	88.	82.	75.	74.	74.
16 57 35	-222.	.21	290.	.13	.04	84.	82.	82.	84.	82.	78.	69.	72.
16 57 40	-420.	.26	286.	.10	.04	83.	83.	81.	81.	82.	79.	73.	74.

TIME H/M/S 03	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
16 57 45	133.	.31	285.	0.00	.01	79.	81.	76.	85.	81.	78.	76.	76.
16 57 50	-89.	.27	285.	-.02	.03	79.	81.	76.	83.	80.	77.	76.	77.
16 57 55	-406.	.19	280.	.04	.04	82.	82.	82.	85.	81.	78.	67.	71.
16 58 0	133.	.18	289.	.07	.03	81.	81.	81.	82.	82.	78.	69.	72.
16 58 5	-578.	.32	288.	.15	.02	82.	80.	80.	79.	82.	79.	72.	73.
16 58 10	-222.	.23	288.	.07	.04	82.	81.	78.	79.	82.	79.	73.	74.
16 58 15	-578.	.35	275.	-.01	.05	80.	82.	76.	82.	82.	78.	75.	76.
16 58 20	-267.	.32	280.	.02	.02	79.	81.	79.	84.	81.	77.	71.	75.
16 58 25	-311.	.19	283.	0.00	.03	80.	81.	81.	81.	82.	77.	66.	71.
16 58 30	-356.	.28	285.	.06	.01	79.	81.	78.	81.	81.	77.	70.	74.
16 58 35	-667.	.25	281.	-.03	.04	80.	79.	79.	80.	81.	76.	67.	72.
16 58 40	-356.	.22	287.	.04	.03	80.	80.	80.	84.	82.	76.	66.	71.
16 58 45	-756.	.26	283.	.07	.01	78.	81.	74.	79.	80.	76.	74.	76.
16 58 55	-667.	.22	283.	.02	.01	79.	80.	77.	82.	80.	75.	71.	74.
16 59 0	-578.	.35	280.	.16	-.00	79.	79.	80.	78.	82.	78.	71.	71.
16 59 0	-622.	.32	283.	.07	-.00	79.	77.	78.	81.	81.	75.	68.	71.
16 59 5	-400.	.32	290.	.06	.01	78.	80.	82.	84.	80.	76.	65.	69.
16 59 10	-267.	.26	290.	.09	.02	78.	80.	77.	81.	80.	75.	69.	73.
16 59 15	-489.	.22	296.	.12	.02	76.	79.	75.	84.	80.	76.	67.	67.
16 59 25	-533.	.23	290.	.09	.02	78.	80.	77.	83.	80.	75.	64.	69.
16 59 30	-44.	.21	290.	.10	.04	80.	80.	78.	78.	82.	75.	64.	69.
16 59 35	-311.	.26	286.	.16	.04	80.	81.	77.	77.	81.	74.	67.	71.
16 59 35	-222.	.32	288.	.06	.05	77.	80.	75.	82.	81.	74.	71.	75.
16 59 40	-44.	.30	291.	.10	.04	77.	79.	77.	82.	81.	74.	66.	71.
16 59 45	-667.	.32	281.	-.01	.03	78.	79.	74.	78.	82.	75.	71.	74.
16 59 50	-267.	.36	286.	.04	.03	77.	79.	77.	81.	81.	74.	67.	72.
16 59 55	-44.	.21	280.	.07	.02	74.	80.	78.	78.	82.	73.	67.	76.
17 0 0	-311.	.27	278.	.11	.05	75.	80.	76.	78.	81.	72.	68.	71.
17 45 23	2868.	.35	284.	.07	.07	77.	80.	77.	74.	81.	73.	69.	73.
17 45 28	6076.	.34	285.	.09	.06	76.	80.	74.	76.	81.	73.	71.	74.
17 45 33	23385.	.18	275.	.01	.01	76.	81.	71.	71.	80.	73.	76.	79.
17 45 39	27648.	.25	276.	.06	.09	78.	81.	73.	74.	80.	72.	72.	74.
17 45 44	40667.	.40	279.	.04	.03	76.	81.	73.	71.	78.	72.	74.	76.
17 45 49	44257.	.39	276.	.10	.03	76.	81.	73.	74.	78.	72.	73.	77.
17 45 54	56607.	.18	274.	.04	.06	78.	82.	77.	73.	80.	73.	74.	76.
17 45 59	58303.	.16	274.	.01	.04	76.	81.	75.	75.	79.	73.	74.	76.
17 46 4	60165.	.23	293.	0.00	.01	77.	80.	79.	75.	79.	73.	63.	74.
17 46 9	58228.	.28	289.	.01	.01	75.	81.	76.	75.	76.	73.	71.	77.
17 46 14	47611.	.38	290.	.07	.03	78.	81.	80.	74.	80.	73.	70.	74.
17 46 19	43823.	.35	289.	.04	.01	77.	81.	77.	75.	80.	73.	73.	77.
17 46 32	32065.	.38	279.	.13	.04	78.	81.	75.	75.	79.	73.	72.	76.
17 46 29	28159.	.31	281.	.07	.03	77.	80.	76.	76.	79.	73.	72.	78.
17 46 34	14705.	.34	283.	.07	.02	74.	80.	73.	74.	80.	72.	76.	80.
17 46 39	5295.	.36	279.	.08	.05	75.	80.	76.	76.	79.	73.	72.	77.
17 47 37	-400.	.21	274.	0.00	.01	74.	81.	71.	77.	80.	76.	78.	80.
17 47 42	756.	.28	279.	.08	.03	76.	81.	75.	75.	79.	75.	74.	74.
17 47 47	2395.	.46	286.	.10	.05	76.	82.	69.	75.	80.	71.	76.	80.
17 47 52	1175.	.36	291.	.11	.05	75.	82.	71.	77.	79.	72.	75.	79.
17 47 57	-44.	.19	275.	0.00	.02	76.	81.	80.	80.	78.	73.	69.	75.

TIME H/M/S Q3	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
17 58 53	-176.	.27	277.	0.00	.05	76.	81.	79.	79.	79.	73.	68.	74.
17 58 38	-485.	.43	274.	.04	.04	74.	82.	73.	78.	78.	73.	74.	77.
17 58 43	-222.	.32	280.	.04	.02	76.	81.	75.	76.	79.	72.	71.	76.
17 58 48	-576.	.37	278.	.10	.05	75.	82.	74.	78.	79.	73.	73.	78.
17 58 53	-578.	.31	281.	.12	.02	75.	81.	74.	78.	79.	73.	75.	78.
17 58 58	-667.	.37	284.	.15	.07	75.	80.	74.	79.	80.	73.	77.	80.
17 59 3	-89.	.29	288.	.07	.04	75.	80.	76.	79.	80.	73.	73.	77.
17 59 8	-311.	.25	279.	.04	.06	76.	80.	78.	74.	81.	71.	74.	74.
17 59 13	-133.	.29	281.	.04	.05	75.	81.	76.	74.	80.	72.	76.	77.
17 59 18	311.	.22	289.	-.01	.01	75.	82.	73.	74.	80.	73.	77.	81.
17 59 23	44.	.30	285.	.04	.03	76.	82.	75.	77.	79.	74.	72.	77.
17 59 28	-222.	.43	276.	.16	.04	75.	83.	74.	75.	80.	73.	76.	79.
17 59 33	-222.	.32	281.	.13	.04	76.	82.	77.	78.	79.	74.	73.	76.
17 59 38	-489.	.21	284.	.03	.02	77.	82.	73.	83.	82.	83.	75.	74.
18 0 39	-644.	.11	306.	.01	.02	78.	82.	75.	78.	82.	69.	78.	77.
18 6 44	-1289.	.01	334.	.18	.04	78.	81.	79.	84.	78.	77.	77.	78.
18 6 49	-1600.	-.04	337.	.11	.03	79.	82.	78.	81.	79.	77.	75.	79.
18 6 54	LOW	-.13	326.	.13	.06	79.	82.	80.	84.	78.	77.	78.	79.
18 6 59	*737856.	-.07	332.	.09	.04	79.	82.	77.	81.	78.	77.	79.	80.
18 7 4	-1822.	-.12	334.	.01	.01	80.	82.	82.	80.	79.	76.	76.	77.
18 7 9	-1644.	-.03	331.	0.00	.03	79.	82.	79.	83.	78.	76.	80.	79.
18 7 14	-1733.	0.00	326.	.06	.03	80.	82.	81.	81.	80.	77.	74.	77.
18 7 24	-1556.	0.00	326.	.01	.02	78.	82.	79.	78.	80.	77.	78.	79.
18 7 39	LOW	-.13	320.	.04	.03	79.	80.	79.	84.	78.	76.	79.	77.
18 7 44	*737856.	.01	321.	.03	.02	79.	79.	78.	81.	79.	77.	80.	79.
18 7 44	-2000.	-.09	315.	.01	.12	78.	81.	74.	80.	79.	77.	83.	82.
18 7 49	-1911.	-.10	311.	.07	.09	78.	81.	78.	81.	78.	77.	79.	80.
18 7 54	-1111.	0.00	311.	.01	.02	79.	81.	78.	80.	78.	76.	81.	80.
18 7 59	-1556.	-.04	312.	.02	.03	80.	82.	80.	79.	77.	77.	78.	78.
18 8 4	-1111.	0.00	296.	.07	.05	78.	82.	81.	78.	78.	77.	78.	77.
18 8 9	-1333.	-.01	303.	.04	.03	78.	82.	79.	81.	78.	77.	81.	79.
18 8 14	-1289.	-.01	304.	.06	-.00	80.	82.	82.	80.	78.	78.	74.	76.
18 8 20	-1067.	.01	291.	.07	.01	79.	82.	80.	77.	79.	77.	78.	78.
18 8 25	-1911.	0.00	298.	.10	.06	78.	82.	79.	82.	78.	76.	76.	77.
18 8 30	-1511.	.01	293.	.16	.03	78.	82.	78.	78.	78.	77.	78.	79.
18 20 38	-1378.	-.12	194.	.07	.05	73.	79.	75.	76.	76.	74.	82.	84.
18 20 43	-1467.	-.16	191.	.16	.04	74.	79.	76.	77.	75.	75.	78.	81.
18 21 9	LOW	0.00	183.	.03	.03	76.	80.	75.	80.	77.	76.	78.	75.
18 21 14	*737856.	-.17	179.	-.23	-.01	78.	84.	79.	78.	81.	76.	85.	82.
18 21 14	-1644.	-.19	187.	-.34	-.00	82.	85.	80.	77.	83.	80.	79.	86.
18 21 19	-1511.	-.14	183.	-.30	.01	80.	84.	81.	80.	82.	80.	84.	89.
18 21 24	-2000.	-.16	171.	-.19	.02	81.	83.	82.	78.	79.	80.	82.	85.
18 21 29	-1644.	-.12	169.	-.16	.03	79.	83.	81.	80.	79.	79.	82.	85.
18 21 34	-1733.	-.10	171.	-.18	0.00	76.	80.	77.	78.	78.	78.	84.	87.
18 21 39	-1511.	-.09	167.	-.15	.01	77.	80.	78.	78.	78.	76.	80.	85.
18 21 45	-1644.	-.07	180.	-.03	.05	73.	80.	74.	80.	74.	79.	81.	84.
18 21 50	-1467.	-.13	183.	-.07	.06	75.	80.	74.	79.	75.	74.	81.	84.
18 21 55	-1733.	-.13	174.	0.00	.04	74.	79.	76.	78.	74.	74.	75.	79.
18 22 0	-1600.	-.15	172.	.03	.03	71.	79.	74.	74.	75.	74.	78.	81.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
18 22 5	-2000.	0.00	169.	-.03	.02	74.	78.	77.	75.	75.	73.	71.	76.
18 22 10	-1556.	-.01	172.	-.01	.01	74.	78.	76.	77.	74.	74.	74.	77.
18 22 15	-1556.	-.10	173.	.01	.02	72.	78.	73.	74.	74.	73.	62.	63.
18 22 20	-1511.	-.13	170.	.01	.03	74.	79.	75.	75.	74.	73.	79.	81.
18 22 25	-667.	-.12	159.	0.00	.04	73.	76.	74.	78.	73.	74.	76.	80.
18 22 30	+73765E.	-.08	167.	.01	.05	73.	77.	74.	74.	74.	74.	78.	81.
18 22 35	-1289.	-.01	165.	.01	.03	74.	76.	78.	74.	75.	74.	72.	80.
18 22 40	-1600.	-.04	164.	.01	.04	73.	78.	73.	77.	75.	74.	73.	82.
18 22 45	-1822.	0.00	162.	0.00	.03	72.	74.	73.	72.	75.	74.	61.	82.
18 22 50	-1644.	-.05	174.	.03	.04	73.	75.	76.	74.	75.	74.	78.	81.
18 22 55	-1467.	-.09	150.	.07	.10	71.	78.	73.	70.	69.	74.	64.	65.
18 23 0	-1733.	-.10	169.	.06	.08	74.	78.	75.	74.	73.	71.	60.	62.

3 COMMUTATOR

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 1C TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
16 19 3	76.	74.	74.	74.	LOW	LOW	86.	93.	LOW	LOW	-0.	0.	130.
16 59 8	77.	79.	75.	77.	LOW	LOW	87.	93.	LOW	LOW	-1.	0.	139.
16 19 13	77.	82.	72.	74.	LOW	LOW	90.	98.	LOW	LOW	1.	0.	139.
16 19 31	77.	80.	73.	77.	LOW	LOW	89.	95.	LOW	LOW	0.	0.	134.
16 19 28	80.	84.	73.	84.	LOW	LOW	85.	90.	LOW	LOW	1.	0.	129.
16 19 33	78.	83.	73.	81.	LOW	LOW	86.	94.	LOW	LOW	0.	0.	132.
16 19 33	78.	81.	76.	81.	LOW	LOW	84.	90.	LOW	LOW	-0.	0.	138.
16 19 38	78.	83.	75.	81.	LOW	LOW	87.	93.	LOW	LOW	-0.	0.	135.
16 19 43	76.	80.	73.	80.	LOW	LOW	88.	97.	LOW	LOW	-1.	0.	142.
16 59 48	77.	81.	74.	81.	LOW	LOW	87.	93.	LOW	LOW	-1.	0.	141.
16 19 53	78.	84.	76.	81.	LOW	LOW	90.	93.	LOW	LOW	1.	-0.	126.
16 59 58	76.	82.	72.	80.	LOW	LOW	90.	94.	LOW	LOW	1.	-0.	126.
16 20 4	80.	84.	76.	82.	LOW	LOW	86.	88.	LOW	LOW	1.	-0.	132.
16 20 9	79.	84.	75.	80.	LOW	LOW	88.	93.	LOW	LOW	-0.	-0.	136.
16 21 26	76.	78.	75.	80.	LOW	LOW	90.	95.	LOW	LOW	36.	-0.	120.
16 21 31	77.	79.	75.	81.	LOW	LOW	88.	93.	LOW	LOW	35.	-0.	123.
16 21 36	78.	85.	76.	83.	LOW	LOW	90.	91.	LOW	LOW	33.	0.	130.
16 21 41	77.	83.	75.	81.	LOW	LOW	90.	94.	LOW	LOW	37.	0.	126.
16 21 46	78.	82.	77.	82.	LOW	LOW	87.	90.	LOW	LOW	39.	-0.	139.
16 21 51	76.	81.	77.	82.	LOW	LOW	87.	91.	LOW	LOW	39.	0.	135.
16 21 56	80.	84.	77.	82.	LOW	LOW	90.	92.	LOW	LOW	41.	-0.	146.
16 22 1	79.	84.	77.	81.	LOW	LOW	90.	93.	LOW	LOW	42.	-0.	143.
16 22 6	76.	85.	76.	80.	LOW	LOW	90.	97.	LOW	LOW	42.	0.	145.
16 22 11	77.	84.	75.	80.	LOW	LOW	91.	98.	LOW	LOW	38.	0.	147.
16 22 16	78.	80.	75.	83.	LOW	LOW	88.	94.	LOW	LOW	20.	1.	147.
16 22 21	77.	78.	76.	83.	LOW	LOW	87.	91.	LOW	LOW	21.	1.	145.
16 22 34	79.	85.	75.	81.	LOW	LOW	90.	92.	LOW	LOW	21.	1.	142.
16 22 36	78.	80.	73.	80.	LOW	LOW	91.	95.	LOW	LOW	20.	0.	147.
16 22 41	78.	80.	73.	82.	LOW	LOW	88.	89.	LOW	LOW	18.	0.	165.
16 22 46	79.	83.	74.	82.	LOW	LOW	89.	91.	LOW	LOW	19.	1.	162.
16 22 51	78.	82.	71.	80.	LOW	LOW	91.	98.	LOW	LOW	19.	1.	172.
16 22 56	72.	81.	72.	78.	LOW	LOW	90.	95.	LOW	LOW	20.	1.	167.
16 23 1	79.	82.	74.	83.	LOW	LOW	88.	85.	LOW	LOW	19.	1.	177.
16 23 9	75.	84.	72.	81.	LOW	LOW	89.	90.	LOW	LOW	21.	1.	173.
16 23 6	77.	84.	74.	80.	LOW	LOW	91.	95.	LOW	LOW	21.	1.	177.
16 23 11	77.	82.	73.	81.	LOW	LOW	90.	93.	LOW	LOW	21.	1.	177.
16 23 16	80.	86.	74.	84.	LOW	LOW	91.	90.	LOW	LOW	21.	1.	166.
16 23 21	80.	85.	74.	83.	LOW	LOW	91.	91.	LOW	LOW	21.	1.	181.
16 23 26	78.	85.	73.	82.	LOW	LOW	93.	97.	LOW	LOW	18.	1.	182.
16 23 32	77.	84.	56.	81.	LOW	LOW	93.	97.	LOW	LOW	19.	1.	180.
16 63 37	81.	84.	74.	84.	LOW	LOW	89.	88.	LOW	LOW	21.	1.	182.
16 23 42	78.	82.	63.	85.	LOW	LOW	90.	83.	LOW	LOW	18.	1.	169.
16 23 47	78.	86.	67.	83.	LOW	LOW	92.	90.	LOW	LOW	16.	1.	189.
16 23 52	80.	86.	69.	84.	LOW	LOW	91.	89.	LOW	LOW	17.	1.	189.
16 23 57	80.	87.	65.	84.	LOW	LOW	90.	87.	LOW	LOW	16.	1.	194.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 18 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
16 38 34	66.	78.	50.	81.	LOW	LOW	91.	85.	LOW	LOW	37.	1.	267.
16 38 39	52.	71.	35.	77.	LOW	LOW	93.	85.	LOW	LOW	65.	1.	360.
16 38 44	51.	71.	35.	78.	LOW	LOW	92.	83.	LOW	LOW	56.	1.	344.
16 38 49	51.	77.	37.	79.	LOW	LOW	92.	81.	LOW	LOW	34.	1.	369.
16 38 54	51.	76.	37.	80.	LOW	LOW	91.	79.	LOW	LOW	34.	1.	363.
16 38 59	53.	76.	38.	77.	LOW	LOW	92.	82.	LOW	LOW	33.	1.	356.
16 39 4	52.	74.	36.	78.	LOW	LOW	91.	80.	LOW	LOW	33.	1.	368.
16 39 9	50.	71.	37.	76.	LOW	LOW	90.	84.	LOW	LOW	35.	1.	365.
16 39 14	51.	73.	36.	77.	LOW	LOW	91.	83.	LOW	LOW	32.	1.	369.
16 39 19	50.	53.	35.	74.	LOW	LOW	92.	84.	LOW	LOW	17.	1.	376.
16 39 24	51.	63.	36.	75.	LOW	LOW	91.	84.	LOW	LOW	21.	1.	366.
16 39 29	54.	73.	37.	76.	LOW	LOW	90.	80.	LOW	LOW	23.	1.	359.
16 39 34	55.	70.	37.	76.	LOW	LOW	91.	79.	LOW	LOW	24.	1.	353.
16 39 39	52.	63.	35.	74.	LOW	LOW	91.	82.	LOW	LOW	25.	1.	340.
16 39 44	54.	70.	37.	76.	LOW	LOW	90.	78.	LOW	LOW	24.	1.	341.
16 39 49	52.	75.	37.	74.	LOW	LOW	91.	66.	LOW	LOW	24.	1.	324.
16 39 59	54.	77.	37.	75.	LOW	LOW	91.	80.	LOW	LOW	23.	1.	330.
16 40 4	54.	74.	37.	78.	LOW	LOW	90.	79.	LOW	LOW	23.	1.	307.
16 40 9	53.	74.	36.	76.	LOW	LOW	87.	80.	LOW	LOW	23.	1.	316.
16 40 9	53.	74.	37.	75.	LOW	LOW	90.	80.	LOW	LOW	23.	1.	319.
16 40 14	53.	74.	37.	75.	LOW	LOW	90.	81.	LOW	LOW	23.	1.	314.
16 40 19	55.	74.	37.	78.	LOW	LOW	90.	79.	LOW	LOW	24.	1.	320.
16 40 29	55.	75.	37.	75.	LOW	LOW	91.	81.	LOW	LOW	24.	1.	306.
16 40 34	56.	79.	39.	74.	LOW	LOW	91.	80.	LOW	LOW	24.	1.	293.
16 40 34	57.	79.	38.	76.	LOW	LOW	91.	77.	LOW	LOW	24.	1.	293.
16 46 33	74.	83.	74.	78.	75.	74.	92.	82.	73.	71.	206.	1.	452.
16 46 38	74.	80.	74.	76.	75.	74.	91.	80.	72.	73.	207.	0.	470.
16 46 43	75.	84.	71.	76.	75.	74.	92.	82.	73.	71.	207.	1.	488.
16 46 53	74.	82.	72.	77.	75.	74.	92.	82.	72.	73.	207.	1.	489.
16 46 53	73.	77.	71.	76.	75.	73.	91.	79.	71.	78.	207.	1.	501.
16 46 58	74.	79.	73.	79.	75.	76.	89.	77.	74.	77.	206.	0.	519.
16 47 3	75.	82.	76.	80.	75.	74.	87.	78.	78.	76.	208.	0.	535.
16 47 8	75.	80.	75.	80.	77.	75.	87.	76.	75.	79.	207.	0.	538.
16 47 13	73.	78.	71.	78.	75.	74.	91.	82.	71.	74.	174.	1.	557.
16 47 23	74.	79.	73.	76.	75.	74.	90.	78.	75.	76.	168.	1.	548.
16 47 28	75.	80.	76.	81.	76.	74.	88.	74.	77.	80.	136.	0.	540.
16 47 28	75.	79.	76.	80.	75.	74.	85.	75.	77.	77.	130.	0.	542.
16 47 33	75.	80.	69.	76.	74.	74.	93.	83.	71.	74.	106.	0.	553.
16 47 38	74.	80.	72.	79.	75.	75.	90.	78.	73.	76.	98.	0.	546.
16 47 43	76.	82.	74.	81.	77.	74.	89.	74.	73.	74.	86.	0.	540.
16 47 48	76.	83.	75.	81.	77.	74.	89.	75.	76.	73.	86.	1.	540.
16 47 53	71.	78.	68.	78.	75.	74.	90.	82.	73.	76.	86.	1.	540.
16 47 58	72.	77.	69.	75.	76.	72.	91.	78.	74.	79.	85.	1.	547.
16 48 4	73.	77.	71.	79.	75.	74.	88.	76.	75.	82.	87.	0.	527.
16 43 9	73.	75.	67.	79.	76.	74.	87.	75.	75.	81.	84.	1.	526.
16 43 14	71.	30.	50.	78.	77.	73.	85.	73.	78.	75.	82.	1.	520.
16 48 19	71.	78.	46.	76.	76.	74.	85.	78.	75.	75.	83.	1.	520.
16 48 24	68.	75.	46.	76.	75.	74.	87.	75.	76.	80.	85.	1.	496.
16 43 29	68.	77.	45.	76.	75.	72.	87.	76.	75.	75.	86.	1.	503.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHL L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 11 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AIR REG
04													
16 48 34	67.	76.	43.	74.	74.	74.	90.	82.	69.	76.	85.	1.	526.
16 48 39	65.	73.	45.	74.	75.	74.	89.	79.	70.	78.	85.	1.	508.
16 48 44	67.	79.	66.	76.	75.	74.	90.	78.	72.	78.	83.	0.	476.
16 48 49	69.	79.	79.	78.	75.	74.	89.	75.	75.	72.	83.	0.	479.
16 48 54	73.	84.	106.	80.	74.	74.	90.	81.	73.	71.	86.	1.	496.
16 48 59	73.	82.	116.	80.	75.	75.	90.	81.	68.	74.	85.	1.	489.
16 49 4	71.	80.	123.	84.	75.	74.	86.	74.	74.	61.	87.	0.	470.
16 49 9	77.	80.	109.	83.	73.	74.	87.	75.	75.	81.	85.	1.	491.
16 49 14	73.	79.	84.	80.	75.	74.	88.	74.	78.	79.	81.	1.	484.
16 49 19	74.	89.	61.	79.	76.	74.	87.	74.	70.	77.	82.	1.	475.
16 49 29	69.	84.	48.	75.	75.	74.	91.	80.	73.	69.	82.	1.	458.
16 49 29	69.	81.	47.	76.	76.	74.	89.	76.	74.	75.	83.	1.	455.
16 49 34	68.	78.	43.	74.	75.	74.	86.	76.	75.	80.	84.	1.	473.
16 49 39	68.	79.	61.	75.	75.	74.	88.	75.	75.	76.	84.	1.	467.
16 49 52	79.	82.	129.	83.	75.	69.	90.	79.	73.	67.	83.	1.	476.
16 49 49	79.	80.	141.	85.	76.	71.	90.	78.	74.	75.	83.	1.	477.
16 49 59	92.	83.	171.	86.	74.	74.	88.	77.	74.	73.	81.	1.	469.
16 50 4	94.	83.	177.	86.	75.	74.	89.	80.	72.	75.	82.	1.	474.
16 50 9	95.	82.	197.	95.	77.	74.	88.	74.	73.	82.	84.	1.	471.
16 50 9	97.	83.	169.	93.	77.	74.	89.	77.	77.	78.	84.	1.	467.
16 50 14	93.	88.	91.	81.	75.	72.	92.	85.	69.	80.	80.	1.	442.
16 50 19	91.	84.	84.	82.	77.	74.	90.	82.	71.	82.	82.	1.	456.
16 50 24	89.	83.	73.	86.	75.	76.	87.	75.	78.	79.	85.	1.	453.
16 50 29	87.	82.	70.	84.	73.	75.	88.	79.	74.	68.	84.	1.	453.
16 50 34	86.	83.	67.	86.	75.	73.	85.	75.	76.	77.	84.	1.	465.
16 50 40	86.	82.	69.	83.	77.	74.	87.	79.	74.	78.	85.	1.	462.
16 50 45	85.	82.	82.	86.	77.	74.	85.	75.	78.	79.	84.	1.	465.
16 50 50	86.	84.	96.	84.	73.	74.	87.	77.	70.	75.	84.	1.	449.
16 50 55	91.	88.	118.	84.	73.	75.	85.	76.	70.	74.	83.	1.	430.
16 51 0	90.	91.	125.	84.	76.	73.	86.	79.	74.	79.	83.	1.	437.
16 51 13	93.	88.	147.	83.	73.	76.	90.	86.	71.	74.	85.	0.	450.
16 51 10	92.	86.	126.	84.	73.	75.	86.	82.	74.	79.	83.	1.	445.
16 51 15	88.	88.	73.	84.	77.	74.	86.	82.	74.	72.	83.	1.	450.
16 51 20	85.	81.	66.	84.	77.	75.	87.	81.	74.	77.	82.	1.	448.
16 51 25	79.	80.	53.	83.	73.	78.	89.	84.	71.	80.	83.	1.	443.
16 51 30	81.	82.	52.	84.	*000000.	*000000.	87.	81.	*000000.	*000000.	83.	1.	448.
16 51 35	76.	82.	45.	82.	LOW	LOW	86.	84.	LOW	LOW	84.	1.	439.
16 51 40	79.	81.	75.	84.	LOW	LOW	85.	79.	LOW	LOW	83.	1.	438.
16 51 45	86.	82.	134.	84.	LOW	LOW	86.	80.	LOW	LOW	81.	1.	449.
16 51 50	90.	84.	144.	85.	LOW	LOW	87.	81.	LOW	LOW	81.	1.	445.
16 51 55	99.	83.	159.	90.	LOW	LOW	83.	78.	LOW	LOW	82.	1.	444.
16 52 0	97.	85.	173.	89.	LOW	LOW	85.	82.	LOW	LOW	83.	1.	440.
16 52 5	90.	82.	189.	91.	LOW	LOW	84.	80.	LOW	LOW	82.	1.	437.
16 52 10	95.	85.	153.	91.	LOW	LOW	84.	81.	LOW	LOW	82.	1.	437.
16 52 15	95.	87.	82.	86.	LOW	LOW	88.	87.	LOW	LOW	84.	1.	445.
16 52 20	95.	88.	79.	86.	LOW	LOW	88.	86.	LOW	LOW	84.	1.	445.
16 52 25	90.	88.	74.	86.	LOW	LOW	87.	80.	LOW	LOW	83.	1.	436.
16 52 35	91.	81.	73.	87.	LOW	LOW	85.	79.	LOW	LOW	83.	1.	439.
16 52 40	74.	62.	63.	86.	LOW	LOW	84.	81.	LOW	LOW	83.	1.	443.

TIME H/M/S 04	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AIR REG
16 52 45	86.	81.	66.	86.	LOW	LOW	86.	80.	LOW	LOW	83.	0.	443.
16 52 45	84.	83.	80.	79.	LOW	LOW	86.	86.	LOW	LOW	84.	1.	422.
16 52 50	88.	85.	90.	83.	LOW	LOW	87.	82.	LOW	LOW	85.	1.	446.
16 52 55	90.	82.	111.	86.	LOW	LOW	88.	84.	LOW	LOW	85.	1.	443.
16 53 0	92.	86.	119.	86.	LOW	LOW	87.	83.	LOW	LOW	84.	1.	440.
16 53 13	93.	87.	139.	89.	LOW	LOW	84.	79.	LOW	LOW	82.	1.	420.
16 53 10	94.	89.	119.	87.	LOW	LOW	87.	83.	LOW	LOW	82.	1.	429.
16 53 16	92.	88.	76.	88.	LOW	LOW	86.	79.	LOW	LOW	82.	1.	425.
16 53 21	89.	86.	68.	86.	LOW	LOW	85.	83.	LOW	LOW	82.	1.	433.
16 53 26	84.	86.	53.	86.	LOW	LOW	90.	86.	LOW	LOW	81.	1.	440.
16 53 31	83.	86.	51.	85.	LOW	LOW	89.	83.	LOW	LOW	81.	1.	446.
16 53 36	79.	87.	48.	84.	LOW	LOW	85.	80.	LOW	LOW	83.	1.	447.
16 53 41	82.	86.	86.	86.	LOW	LOW	85.	78.	LOW	LOW	80.	1.	430.
16 53 46	90.	86.	125.	88.	LOW	LOW	86.	80.	LOW	LOW	80.	1.	440.
16 53 51	92.	87.	136.	89.	LOW	LOW	87.	81.	LOW	LOW	81.	1.	435.
16 53 56	97.	87.	161.	87.	LOW	LOW	90.	86.	LOW	LOW	80.	1.	439.
16 54 1	100.	86.	156.	88.	LOW	LOW	90.	88.	LOW	LOW	82.	1.	445.
16 54 6	102.	90.	184.	90.	LOW	LOW	88.	85.	LOW	LOW	84.	0.	432.
16 54 11	100.	92.	161.	90.	LOW	LOW	87.	83.	LOW	LOW	84.	1.	432.
16 54 16	105.	94.	93.	90.	LOW	LOW	87.	83.	LOW	LOW	81.	1.	442.
16 54 21	101.	90.	88.	90.	LOW	LOW	86.	81.	LOW	LOW	82.	1.	443.
16 54 26	95.	84.	82.	88.	LOW	LOW	87.	83.	LOW	LOW	81.	1.	449.
16 54 31	95.	84.	80.	88.	LOW	LOW	86.	84.	LOW	LOW	82.	1.	445.
16 54 36	92.	79.	72.	88.	LOW	LOW	86.	84.	LOW	LOW	82.	1.	449.
16 54 41	91.	80.	69.	87.	LOW	LOW	86.	84.	LOW	LOW	85.	1.	443.
16 54 46	89.	85.	63.	84.	LOW	LOW	91.	88.	LOW	LOW	89.	1.	419.
16 54 51	88.	86.	83.	86.	LOW	LOW	90.	87.	LOW	LOW	33.	1.	425.
16 54 56	84.	83.	80.	85.	LOW	LOW	88.	87.	LOW	LOW	24.	1.	432.
16 55 1	86.	85.	61.	85.	LOW	LOW	90.	87.	LOW	LOW	25.	1.	420.
16 55 6	87.	86.	63.	88.	LOW	LOW	88.	85.	LOW	LOW	18.	1.	418.
16 56 9	86.	85.	61.	90.	LOW	LOW	87.	82.	LOW	LOW	21.	1.	379.
16 56 19	81.	85.	59.	88.	LOW	LOW	82.	85.	LOW	LOW	24.	1.	346.
16 56 24	82.	80.	50.	89.	LOW	LOW	81.	84.	LOW	LOW	24.	1.	346.
16 56 29	82.	86.	56.	88.	LOW	LOW	92.	84.	LOW	LOW	23.	1.	350.
16 56 29	81.	83.	55.	89.	LOW	LOW	90.	84.	LOW	LCW	25.	1.	340.
16 56 34	80.	79.	55.	90.	LOW	LOW	85.	82.	LOW	LOW	23.	1.	341.
16 56 39	80.	80.	56.	91.	LOW	LOW	87.	81.	LOW	LOW	23.	1.	330.
16 56 49	79.	79.	55.	91.	LOW	LOW	88.	80.	LOW	LOW	23.	1.	334.
16 56 54	78.	79.	55.	83.	LOW	LOW	91.	83.	LOW	LOW	24.	1.	333.
16 56 59	76.	78.	54.	89.	LOW	LOW	90.	84.	LOW	LOW	26.	1.	317.
16 56 59	77.	80.	52.	89.	LOW	LOW	91.	85.	LOW	LOW	26.	1.	316.
16 57 4	81.	85.	56.	89.	LOW	LOW	90.	80.	LOW	LOW	24.	0.	315.
16 57 9	80.	85.	55.	88.	LOW	LOW	90.	82.	LOW	LOW	23.	1.	314.
16 57 14	79.	86.	53.	90.	LOW	LOW	93.	86.	LOW	LOW	25.	1.	327.
16 57 19	79.	85.	52.	89.	LOW	LOW	92.	85.	LOW	LOW	24.	1.	316.
16 57 24	78.	82.	51.	87.	LOW	LOW	91.	88.	LOW	LOW	23.	1.	325.
16 57 30	78.	80.	52.	89.	LOW	LOW	91.	85.	LOW	LOW	24.	1.	319.
16 57 35	77.	82.	54.	91.	LOW	LOW	85.	78.	LOW	LOW	25.	1.	314.
16 57 40	78.	83.	54.	89.	LOW	LOW	89.	80.	LOW	LOW	25.	1.	311.

TIME H/M/S 04	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 0 TEMP MASS PILOTS CREW STAT FLOOR	EC 1C TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AIR REG
16 57 45	74.	83.	50.	87.	LOW	LOW	93.	87.	LOW	LOW	24.	1.	310.
16 57 50	75.	84.	50.	88.	LOW	LOW	93.	83.	LOW	LOW	25.	1.	306.
16 57 55	74.	80.	52.	92.	LOW	LOW	88.	80.	LOW	LOW	26.	1.	312.
16 58 0	77.	81.	53.	91.	LOW	LOW	90.	80.	LOW	LOW	25.	1.	309.
16 58 5	76.	83.	53.	87.	LOW	LOW	90.	80.	LOW	LOW	24.	1.	304.
16 58 10	77.	84.	51.	88.	LOW	LOW	91.	81.	LOW	LOW	24.	1.	301.
16 58 15	74.	82.	49.	88.	LOW	LOW	84.	88.	LOW	LOW	24.	1.	298.
16 58 20	74.	80.	49.	88.	LOW	LOW	85.	85.	LOW	LOW	24.	1.	293.
16 58 25	75.	81.	50.	92.	LOW	LOW	86.	78.	LOW	LOW	25.	1.	295.
16 58 30	75.	83.	50.	90.	LOW	LOW	89.	83.	LOW	LOW	25.	1.	294.
16 58 35	74.	78.	51.	90.	LOW	LOW	90.	82.	LOW	LOW	23.	1.	280.
16 58 40	74.	79.	50.	88.	LOW	LOW	91.	80.	LOW	LOW	23.	1.	276.
16 58 45	74.	84.	49.	88.	LOW	LOW	93.	86.	LOW	LOW	25.	1.	294.
16 58 55	74.	81.	49.	88.	LOW	LOW	92.	84.	LOW	LOW	24.	1.	288.
16 59 0	74.	83.	50.	91.	LOW	LOW	89.	80.	LOW	LOW	26.	1.	288.
16 59 0	73.	80.	48.	88.	LOW	LOW	91.	81.	LOW	LOW	25.	1.	284.
16 59 5	72.	76.	48.	90.	LOW	LOW	90.	79.	LOW	LOW	24.	1.	274.
16 59 10	72.	79.	48.	89.	LOW	LOW	91.	83.	LOW	LOW	23.	1.	282.
16 59 15	71.	74.	46.	86.	LOW	LOW	92.	84.	LOW	LOW	24.	1.	281.
16 59 25	71.	76.	46.	89.	LOW	LOW	90.	82.	LOW	LOW	24.	1.	283.
16 59 30	74.	81.	48.	91.	LOW	LOW	90.	78.	LOW	LOW	24.	1.	285.
16 59 35	73.	82.	48.	90.	LOW	LOW	91.	81.	LOW	LOW	24.	1.	276.
16 59 35	71.	80.	48.	88.	LOW	LOW	94.	87.	LOW	LOW	21.	1.	273.
16 59 40	71.	79.	47.	90.	LOW	LOW	91.	83.	LOW	LOW	22.	1.	279.
16 59 45	72.	84.	49.	90.	LOW	LOW	94.	85.	LOW	LOW	27.	1.	284.
16 59 50	71.	81.	47.	90.	LOW	LOW	92.	81.	LOW	LOW	25.	1.	287.
16 59 55	73.	83.	48.	90.	LOW	LOW	90.	78.	LOW	LOW	23.	1.	271.
17 0 0	71.	81.	46.	89.	LOW	LOW	91.	81.	LOW	LOW	23.	1.	278.
17 45 23	73.	82.	71.	87.	LOW	LOW	90.	77.	LOW	LOW	24.	1.	245.
17 45 28	69.	80.	70.	86.	LOW	LOW	91.	80.	LOW	LOW	24.	1.	247.
17 45 33	71.	84.	71.	90.	LOW	LOW	92.	79.	LOW	LOW	21.	1.	259.
17 45 39	71.	82.	71.	91.	LOW	LOW	91.	78.	LOW	LOW	22.	1.	245.
17 45 44	74.	84.	63.	90.	LOW	LOW	93.	80.	LOW	LOW	23.	1.	261.
17 45 49	74.	81.	66.	89.	LOW	LOW	93.	82.	LOW	LOW	24.	1.	257.
17 45 54	72.	80.	72.	91.	LOW	LOW	90.	80.	LOW	LOW	23.	1.	259.
17 45 59	71.	80.	71.	90.	LOW	LOW	92.	83.	LOW	LOW	23.	1.	263.
17 46 4	74.	83.	72.	92.	LOW	LOW	91.	74.	LOW	LOW	21.	1.	269.
17 46 9	73.	83.	72.	90.	LOW	LOW	92.	80.	LOW	LOW	22.	1.	265.
17 46 14	69.	82.	73.	91.	LOW	LOW	91.	77.	LOW	LOW	22.	1.	254.
17 46 19	68.	83.	70.	90.	LOW	LOW	92.	82.	LOW	LOW	22.	1.	263.
17 46 32	74.	84.	69.	91.	LOW	LOW	90.	79.	LOW	LOW	26.	1.	256.
17 46 29	73.	81.	68.	91.	LOW	LOW	91.	80.	LOW	LOW	24.	1.	261.
17 46 34	72.	84.	71.	90.	LOW	LOW	92.	85.	LOW	LOW	25.	1.	245.
17 46 39	69.	81.	70.	91.	LOW	LOW	91.	82.	LOW	LOW	25.	1.	241.
17 47 37	70.	81.	69.	90.	LOW	LOW	94.	74.	LOW	LOW	24.	1.	244.
17 47 42	72.	82.	70.	91.	LOW	LOW	92.	75.	LOW	LOW	24.	1.	242.
17 47 47	71.	79.	69.	89.	LOW	LOW	93.	84.	LOW	LOW	23.	1.	259.
17 47 52	71.	79.	69.	90.	LOW	LOW	93.	85.	LOW	LOW	23.	1.	251.
17 47 57	72.	78.	69.	91.	LOW	LOW	94.	82.	LOW	LOW	22.	1.	254.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 12 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFACE WIND SHIELD BOTTOM	EC 21 TEMP SURFACE WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVICE AR REG
04													
17 58 33	71.	79.	67.	91.	LOW	LOW	87.	81.	LOW	LOW	23.	1.	249.
17 58 38	70.	80.	63.	88.	LOW	LOW	92.	86.	LOW	LOW	22.	1.	265.
17 58 43	71.	82.	64.	90.	LOW	LOW	92.	84.	LOW	LOW	23.	1.	270.
17 58 48	70.	80.	63.	90.	LOW	LOW	93.	85.	LOW	LOW	23.	1.	255.
17 58 53	71.	82.	58.	90.	LOW	LOW	93.	84.	LOW	LOW	24.	1.	271.
17 58 58	71.	83.	64.	90.	LOW	LOW	95.	87.	LOW	LOW	24.	1.	269.
17 59 3	71.	80.	64.	91.	LOW	LOW	92.	85.	LOW	LOW	25.	1.	281.
17 59 8	74.	85.	66.	92.	LOW	LOW	92.	80.	LOW	LOW	25.	1.	279.
17 59 13	73.	85.	66.	91.	LOW	LOW	93.	82.	LOW	LOW	25.	1.	271.
17 59 18	73.	87.	65.	96.	LOW	LOW	95.	85.	LOW	LOW	26.	1.	279.
17 59 23	72.	83.	65.	89.	LOW	LOW	93.	83.	LOW	LOW	24.	1.	264.
17 59 28	72.	84.	65.	90.	LOW	LOW	95.	88.	LOW	LOW	23.	1.	242.
17 59 33	71.	79.	62.	91.	LOW	LOW	93.	85.	LOW	LOW	24.	1.	255.
17 59 38	72.	86.	61.	90.	LOW	LOW	92.	84.	LOW	LOW	26.	1.	266.
18 6 39	74.	85.	57.	84.	LOW	LOW	92.	84.	LOW	LOW	13.	0.	232.
18 6 44	76.	80.	53.	82.	LOW	LOW	87.	86.	LOW	LOW	1.	-0.	235.
18 6 49	76.	84.	54.	80.	LOW	LOW	89.	84.	LOW	LOW	1.	-0.	235.
18 6 54	77.	82.	53.	80.	LOW	LOW	90.	86.	LOW	LOW	-2.	0.	241.
18 6 59	77.	86.	55.	81.	LOW	LOW	91.	85.	LOW	LOW	0.	0.	234.
18 7 4	76.	82.	57.	82.	LOW	LOW	89.	74.	LOW	LOW	-1.	0.	231.
18 7 9	76.	85.	57.	81.	LOW	LOW	91.	82.	LOW	LOW	-0.	0.	230.
18 7 14	78.	84.	59.	78.	LOW	LOW	89.	82.	LOW	LOW	0.	-0.	223.
18 7 24	79.	86.	60.	80.	LOW	LOW	89.	83.	LOW	LOW	-0.	-0.	224.
18 7 39	78.	84.	59.	82.	LOW	LOW	91.	85.	LOW	LOW	0.	0.	223.
18 7 44	77.	85.	61.	80.	LOW	LOW	91.	84.	LOW	LOW	0.	0.	216.
18 7 44	78.	85.	61.	80.	LOW	LOW	91.	84.	LOW	LOW	-1.	0.	218.
18 7 49	77.	84.	62.	81.	LOW	LOW	90.	83.	LOW	LOW	-1.	0.	218.
18 7 54	78.	88.	64.	80.	LOW	LOW	86.	85.	LOW	LOW	2.	-0.	190.
18 7 59	78.	87.	64.	82.	LOW	LOW	87.	83.	LOW	LOW	1.	0.	214.
18 8 4	78.	83.	64.	82.	LOW	LOW	90.	85.	LOW	LOW	0.	-0.	199.
18 8 9	78.	85.	65.	81.	LOW	LOW	91.	86.	LOW	LOW	0.	-0.	203.
18 8 14	78.	84.	67.	83.	LOW	LOW	90.	82.	LOW	LOW	1.	-0.	199.
18 8 20	78.	86.	66.	82.	LOW	LOW	91.	84.	LOW	LOW	1.	-0.	196.
18 8 25	78.	82.	57.	82.	LOW	LOW	85.	84.	LOW	LOW	0.	-0.	203.
18 8 30	78.	85.	67.	81.	LOW	LOW	90.	85.	LOW	LOW	1.	-0.	202.
18 20 38	78.	85.	74.	81.	78.	74.	91.	93.	74.	80.	-2.	0.	119.
18 20 43	77.	83.	74.	82.	81.	75.	89.	90.	78.	80.	-1.	0.	132.
18 21 9	79.	86.	78.	82.	80.	74.	89.	86.	78.	74.	-3.	0.	152.
18 21 14	83.	89.	81.	86.	85.	78.	94.	94.	81.	78.	-2.	-0.	155.
18 21 14	87.	93.	84.	87.	85.	84.	94.	95.	85.	86.	-4.	-0.	149.
18 21 19	86.	88.	83.	87.	86.	81.	96.	93.	84.	86.	-2.	-0.	149.
18 21 24	87.	90.	84.	90.	83.	78.	95.	93.	84.	81.	-1.	-0.	152.
18 21 29	85.	87.	82.	85.	83.	78.	96.	95.	84.	84.	-2.	-0.	154.
18 21 34	83.	89.	80.	86.	82.	78.	95.	98.	78.	78.	-1.	-0.	149.
18 21 39	83.	87.	79.	86.	82.	77.	93.	94.	81.	79.	-1.	-0.	136.
18 21 45	78.	80.	77.	84.	80.	78.	88.	95.	78.	83.	-1.	0.	138.
18 21 50	79.	83.	77.	84.	79.	77.	85.	91.	78.	78.	-2.	-0.	145.
18 21 55	77.	81.	76.	84.	79.	75.	86.	90.	82.	80.	1.	0.	127.
18 22 0	78.	83.	75.	83.	79.	75.	85.	91.	79.	78.	1.	0.	138.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/M CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 0 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
18 22 5	78.	82.	76.	82.	82.	73.	87.	85.	76.	78.	-1.	-0.	123.
18 22 10	78.	80.	75.	81.	82.	74.	86.	89.	75.	80.	-1.	-0.	126.
18 22 15	78.	82.	76.	80.	79.	73.	91.	93.	72.	76.	0.	0.	137.
18 22 20	80.	83.	78.	81.	78.	72.	91.	89.	75.	75.	-2.	0.	127.
18 22 25	78.	78.	75.	80.	79.	74.	86.	93.	79.	82.	0.	-0.	129.
18 22 30	78.	81.	76.	80.	79.	75.	89.	92.	73.	77.	-1.	-0.	133.
18 22 35	79.	79.	77.	84.	79.	75.	87.	74.	82.	78.	1.	0.	130.
18 22 40	77.	80.	76.	83.	79.	75.	89.	84.	79.	80.	0.	-0.	135.
18 22 45	79.	84.	78.	82.	78.	76.	91.	90.	78.	78.	0.	-0.	134.
18 22 50	79.	82.	76.	83.	79.	75.	88.	88.	80.	75.	-1.	-0.	134.
18 22 55	77.	84.	75.	80.	79.	75.	91.	95.	74.	78.	0.	0.	145.
18 23 0	79.	84.	77.	82.	79.	74.	90.	91.	75.	77.	0.	-0.	138.

C COMMUTATOR

TIME H/M/S	EC 25 PRESS TOTAL DWNSTR SER AIR PRESS	EC 26 FLOWPR DWNSTR OF SV REG PY270- PY27-	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLENUM	EC 33 PRESS MAIN CABIN AIR FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
16 19 3	-1.	-6.393	0.	LOW	133.	127.	123.	-0.	.02	-.29	LOW	.22	LOW
16 59 8	-1.	-6.413	-0.	LOW	143.	129.	119.	-1.	.07	-.31	LOW	.03	LOW
16 19 13	-1.	-6.434	0.	LOW	117.	132.	123.	1.	.1[illegible]	.02	LOW	-.06	LOW
16 19 31	-1.	-6.334	-0.	LOW	127.	132.	123.	1.	.1[illegible]	-.01	LOW	.07	LOW
16 19 28	-1.	-6.491	-0.	LOW	143.	132.	125.	2.	.20	-.04	LOW	.06	LOW
16 19 33	-1.	-6.393	-0.	LOW	149.	131.	125.	1.	.2[illegible]	-.02	LOW	.15	LOW
16 19 33	-1.	-6.508	0.	LOW	142.	133.	124.	2.	.08	-.02	LOW	.23	LOW
16 19 38	-1.	-6.442	0.	LOW	134.	132.	124.	2.	.12	-.04	LOW	.12	LOW
16 19 43	-1.	-6.295	0.	LOW	151.	132.	123.	1.	.14	-.23	LOW	.02	LOW
16 59 48	-1.	-6.315	0.	LOW	156.	131.	124.	1.	.14	-.22	LOW	.06	LOW
16 19 53	-1.	-6.354	0.	LOW	128.	134.	124.	1.	.2[illegible]	-.16	LOW	.18	LOW
16 59 56	-1.	-6.344	0.	LOW	131.	133.	124.	1.	.2[illegible]	-.1[illegible]	LOW	.10	LOW
16 20 4	-1.	-6.256	0.	LOW	139.	132.	124.	2.	.2[illegible]	-.18	LOW	.06	LOW
16 20 9	-1.	-6.329	-0.	LOW	138.	131.	124.	1.	.31	-.18	LOW	.10	LOW
16 21 26	36.	-11.476	0.	LOW	119.	145.	126.	3.	-.02	-.13	LOW	.49	LOW
16 21 31	34.	-11.525	0.	LOW	128.	145.	129.	2.	.11	-.09	LOW	.43	LOW
16 21 36	33.	-11.628	0.	LOW	138.	145.	134.	0.	.12	-.18	LOW	.31	LOW
16 21 41	37.	-11.580	0.	LOW	131.	140.	134.	0.	.08	-.08	LOW	.46	LOW
16 21 46	41.	-11.646	-0.	LOW	130.	145.	132.	2.	.0[illegible]	-.06	LOW	.45	LOW
16 21 51	41.	-11.672	-0.	LOW	126.	145.	132.	1.	.1[illegible]	-.11	LOW	.41	LOW
16 21 56	40.	-11.807	-0.	LOW	147.	145.	134.	0.	.14	-.16	LOW	.33	LOW
16 22 1	41.	-11.709	-0.	LOW	135.	144.	133.	0.	.2[illegible]	-.08	LOW	.31	LOW
16 22 6	40.	-11.709	0.	LOW	123.	145.	132.	0.	.10	-.1[illegible]	LOW	.35	LOW
16 22 11	36.	-11.779	11.	LOW	163.	151.	115.	23.	1.6[illegible]	.89	LOW	.36	LOW
16 22 16	28.	-11.830	17.	LOW	279.	158.	37.	39.	2.23	1.66	LOW	.43	LOW
16 22 21	28.	-11.887	18.	LOW	265.	159.	35.	36.	2.24	1.82	LOW	.36	LOW
16 22 34	28.	-11.758	18.	LOW	270.	158.	33.	42.	2.27	2.11	LOW	.37	LOW
16 22 36	28.	-11.836	17.	LOW	262.	158.	33.	42.	2.36	2.00	LOW	.34	LOW
16 22 41	19.	-11.905	17.	LOW	270.	158.	34.	43.	2.05	2.15	LOW	.37	LOW
16 22 46	19.	-11.926	17.	LOW	263.	158.	35.	39.	2.33	2.09	LOW	.35	LOW
16 22 51	19.	-12.063	17.	LOW	274.	156.	41.	41.	2.05	2.09	LOW	.47	LOW
16 22 56	19.	-11.945	17.	LOW	269.	156.	40.	41.	2.35	2.17	LOW	.40	LOW
16 23 1	19.	-12.141	17.	LOW	253.	155.	39.	44.	2.0[illegible]	2.09	LOW	.49	LOW
16 23 9	19.	-12.072	17.	LOW	263.	155.	39.	43.	3.31	2.1[illegible]	LOW	.42	LOW
16 23 6	19.	-11.887	16.	LOW	253.	155.	38.	41.	2.83	2.35	LOW	.43	LOW
16 23 11	19.	-11.945	16.	LOW	250.	151.	39.	43.	2.92	2.33	LOW	.41	LOW
16 23 16	19.	-12.063	17.	LOW	273.	155.	40.	43.	3.03	2.17	LOW	.35	LOW
16 23 21	19.	-12.063	17.	LOW	271.	155.	40.	43.	3.1[illegible]	2.28	LOW	.41	LOW
16 23 26	21.	-11.926	18.	LOW	264.	156.	32.	42.	3.03	2.56	LOW	.37	LOW
16 23 32	20.	-11.877	17.	LOW	257.	154.	32.	42.	3.21	2.60	LOW	.41	LOW
16 63 37	21.	-11.828	18.	LOW	263.	154.	32.	43.	3.34	2.55	LOW	.37	LOW
16 23 42	19.	-11.906	17.	LOW	255.	154.	33.	40.	3.32	2.73	LOW	.46	LOW
16 23 47	18.	-11.906	15.	LOW	231.	152.	35.	38.	2.58	2.21	LOW	.41	LOW
16 23 52	18.	-12.003	14.	LOW	244.	153.	38.	36.	2.55	2.21	LOW	.44	LOW
16 23 57	18.	-11.945	14.	LOW	247.	152.	38.	36.	2.52	2.43	LOW	.45	LOW

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 33 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
16 38 34	32.	-6.012	34.	LOW	326.	157.	41.	52.	+.31	3.09	LOW	.68	LOW
16 38 39	48.	-.215	61.	LOW	381.	150.	46.	67.	6.14	4.05	LOW	1.15	LOW
16 38 44	41.	-.313	45.	LOW	390.	160.	45.	59.	5.51	3.67	LOW	.91	LOW
16 38 49	33.	-.098	29.	LOW	384.	153.	43.	60.	+.93	3.66	LOW	.86	LOW
16 38 54	33.	-.059	29.	LOW	395.	154.	42.	62.	+.91	3.64	LOW	.79	LOW
16 38 59	33.	-.156	29.	LOW	383.	152.	42.	63.	5.06	3.66	LOW	.82	LOW
16 39 4	33.	-.137	29.	LOW	395.	152.	43.	62.	5.17	3.58	LOW	.71	LOW
16 39 9	34.	-.156	25.	LOW	411.	157.	40.	52.	5.04	3.44	LOW	.86	LOW
16 39 14	31.	-.117	27.	LOW	339.	166.	41.	54.	4.40	3.09	LOW	.70	LOW
16 39 19	17.	-.176	14.	LOW	357.	153.	46.	26.	1.94	1.94	LOW	.27	LOW
16 39 24	21.	-.186	18.	LOW	353.	154.	40.	35.	2.44	2.47	LOW	.44	LOW
16 39 29	25.	-.117	21.	LOW	346.	163.	35.	45.	3.01	2.64	LOW	.53	LOW
16 39 34	24.	-.078	21.	LOW	345.	152.	35.	46.	3.00	2.62	LOW	.54	LOW
16 39 39	23.	-.313	21.	LOW	349.	153.	31.	48.	3.13	2.72	LOW	.43	LOW
16 39 44	23.	-.196	21.	LOW	340.	154.	32.	47.	3.10	2.68	LOW	.45	LOW
16 39 49	23.	-.039	19.	LOW	334.	154.	35.	47.	3.43	2.82	LOW	.61	LOW
16 39 59	23.	-.146	20.	LOW	316.	154.	34.	47.	3.30	2.83	LOW	.55	LOW
16 40 4	23.	.059	21.	LOW	327.	150.	33.	48.	3.34	2.85	LOW	.47	LOW
16 40 9	23.	-.039	21.	LOW	329.	152.	32.	48.	3.33	2.90	LOW	.47	LOW
16 40 9	23.	-.078	20.	LOW	294.	151.	35.	49.	3.25	2.85	LOW	.55	LOW
16 40 14	22.	-.098	20.	LOW	299.	152.	35.	49.	3.30	2.87	LOW	.66	LOW
16 40 19	23.	0.000	20.	LOW	310.	153.	33.	47.	3.30	2.87	LOW	.43	LOW
16 40 29	23.	-.088	20.	LOW	307.	151.	34.	47.	3.32	2.87	LOW	.43	LOW
16 40 34	23.	-.156	20.	LOW	303.	151.	37.	49.	3.34	2.83	LOW	.47	LOW
16 40 34	23.	-.147	20.	LOW	306.	151.	38.	49.	3.42	2.82	LOW	.55	LOW
16 46 53	54.	-.176	79.	38.	463.	133.	42.	62.	+.26	3.44	74.	1.37	36.
16 46 38	50.	-.166	79.	38.	465.	153.	42.	62.	+.23	3.40	75.	1.37	37.
16 46 43	49.	0.000	79.	38.	449.	185.	43.	57.	+.34	3.15	74.	1.31	37.
16 46 53	49.	-.370	79.	39.	467.	184.	43.	66.	+.43	3.35	75.	1.35	37.
16 46 53	51.	-.156	79.	40.	507.	185.	42.	65.	+.44	3.42	74.	1.43	37.
16 46 58	50.	-.117	79.	40.	501.	186.	41.	66.	+.36	3.41	74.	1.33	37.
16 47 3	49.	-.020	79.	40.	497.	186.	40.	66.	+.34	3.52	76.	1.31	37.
16 47 8	49.	.010	79.	37.	498.	186.	40.	67.	+.36	3.47	75.	1.27	37.
16 47 13	49.	-.176	80.	39.	531.	187.	42.	65.	+.45	3.58	71.	1.47	36.
16 47 23	49.	-.166	81.	39.	525.	189.	37.	64.	+.27	3.52	73.	1.34	37.
16 47 28	49.	.020	81.	32.	541.	191.	37.	61.	+.33	3.28	82.	1.15	39.
16 47 28	48.	-.156	81.	35.	535.	190.	34.	62.	+.16	3.37	79.	1.22	38.
16 47 33	48.	-.215	79.	37.	536.	189.	43.	63.	+.28	3.25	74.	1.31	37.
16 47 38	48.	-.166	77.	36.	525.	189.	41.	62.	4.33	3.37	76.	1.29	37.
16 47 43	47.	.039	75.	37.	524.	193.	37.	63.	+.38	3.26	76.	1.31	37.
16 47 48	47.	0.000	73.	37.	513.	193.	39.	67.	4.55	3.42	74.	1.30	37.
16 47 53	47.	-.254	71.	38.	488.	194.	40.	70.	+.05	3.68	69.	1.37	37.
16 47 58	47.	-.147	72.	39.	484.	192.	39.	69.	+.37	3.55	70.	1.30	38.
16 48 4	47.	-.235	73.	37.	482.	194.	40.	64.	4.54	3.40	74.	1.23	35.
16 48 9	47.	-.176	71.	35.	483.	195.	41.	74.	5.43	4.05	65.	1.42	36.
16 48 14	46.	-.176	71.	40.	479.	201.	40.	82.	5.94	4.54	41.	1.58	37.
16 48 19	46.	-.166	73.	39.	485.	200.	42.	77.	5.55	4.26	41.	1.51	36.
16 48 24	49.	-.235	75.	42.	484.	197.	42.	66.	+.50	3.44	42.	1.37	37.
16 48 29	48.	-.127	75.	40.	469.	197.	42.	66.	+.38	3.40	41.	1.25	38.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV270-PV274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 31 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
16 48 34	47.	-.098	73.	37.	440.	196.	42.	59.	4.36	3.56	+1.	1.23	37.
16 48 39	47.	-.108	74.	36.	+50.	196.	+2.	63.	+.66	3.63	++.	1.38	37.
16 48 44	46.	-.039	75.	39.	458.	199.	37.	64.	+.++	3.50	79.	1.39	38.
16 48 49	47.	0.000	75.	39.	447.	199.	37.	64.	4.18	3.38	102.	1.34	38.
16 48 54	+8.	-.196	76.	+0.	418.	198.	37.	60.	3.73	3.19	133.	1.23	38.
16 48 59	46.	-.078	76.	39.	420.	197.	+1.	59.	3.58	3.08	137.	1.12	35.
16 49 4	48.	-.156	76.	41.	423.	195.	+1.	54.	3.11	3.01	147.	1.06	+0.
16 49 9	48.	-.098	72.	37.	426.	195.	38.	69.	+.35	3.84	111.	1.18	39.
16 49 14	47.	-.039	76.	55.	439.	200.	+3.	91.	7.12	5.49	45.	1.96	39.
16 49 19	47.	-.068	71.	37.	450.	201.	41.	87.	6.70	5.21	+2.	1.83	37.
16 49 29	47.	-.039	73.	35.	467.	203.	39.	83.	6.01	4.69	+3.	1.56	36.
16 49 29	47.	-.068	73.	36.	+66.	203.	42.	81.	5.81	4.68	40.	1.63	36.
16 49 34	+8.	-.117	73.	40.	+53.	202.	43.	81.	5.81	4.69	44.	1.72	37.
16 49 39	48.	-.137	72.	+0.	+50.	205.	59.	72.	5.38	5.00	82.	1.79	36.
16 49 52	47.	-.235	73.	+1.	442.	206.	+0.	67.	5.03	4.93	173.	2.21	37.
16 49 49	48.	-.196	73.	+2.	+35.	205.	41.	66.	5.++	4.73	185.	2.10	39.
16 49 59	46.	-.059	74.	+2.	+40.	203.	46.	61.	+.77	4.11	204.	1.80	+0.
16 50 4	48.	-.147	74.	+4.	+30.	204.	45.	58.	+.65	4.01	209.	1.78	40.
16 50 9	48.	-.156	74.	44.	403.	204.	47.	54.	+.38	3.85	221.	1.80	+1.
16 50 9	4c.	-.098	72.	+0.	+14.	203.	+3.	65.	+.87	4.19	158.	1.76	+1.
16 50 14	46.	0.000	71.	36.	455.	203.	37.	82.	5.79	4.57	48.	1.72	35.
16 50 19	48.	-.049	73.	38.	452.	205.	36.	78.	5.35	4.23	58.	1.56	36.
16 50 24	46.	-.039	75.	39.	438.	207.	36.	68.	4.44	3.62	84.	1.43	39.
16 50 29	48.	-.039	75.	38.	445.	205.	35.	67.	+.31	3.41	54.	1.30	39.
16 50 34	47.	-.156	75.	39.	435.	207.	33.	70.	+.35	3.44	53.	1.21	37.
16 50 40	47.	-.137	75.	38.	+30.	206.	37.	70.	+.19	3.36	59.	1.22	38.
16 50 45	46.	-.137	76.	39.	429.	203.	37.	65.	+.05	3.26	93.	1.17	38.
16 50 50	48.	-.078	76.	41.	432.	206.	38.	62.	3.97	3.20	108.	1.21	39.
16 50 55	49.	-.098	77.	41.	428.	203.	40.	58.	3.66	2.91	144.	1.17	+1.
16 51 0	48.	-.137	77.	+3.	425.	205.	+4.	58.	3.54	2.89	153.	1.14	41.
16 51 13	4c.	-.117	77.	+9.	413.	206.	42.	62.	3.42	2.91	150.	1.15	42.
16 51 10	48.	-.068	72.	42.	422.	205.	39.	70.	+.77	3.98	129.	1.31	+1.
16 51 15	47.	-.059	69.	34.	439.	208.	35.	91.	5.88	5.57	40.	2.09	36.
16 51 20	47.	-.068	71.	37.	+57.	210.	37.	68.	5.52	5.12	44.	1.92	37.
16 51 25	47.	-.098	72.	36.	+54.	210.	+2.	85.	5.94	4.83	42.	1.76	37.
16 51 30	47.	-.127	72.	*0000.	+03.	212.	38.	83.	5.85	4.75	*0000.	1.72	*0000.
16 51 35	47.	-.020	72.	LOW	+71.	211.	39.	82.	5.81	4.56	LOW	1.76	LOW
16 51 40	47.	-.176	72.	LOW	+07.	213.	38.	77.	5.82	4.80	LOW	1.96	LOW
16 51 45	4c.	-.078	73.	LOW	440.	214.	3c.	63.	5.31	4.54	LOW	1.86	LOW
16 51 50	4c.	-.156	74.	LOW	+40.	213.	+8.	66.	5.34	4.42	LOW	1.95	LOW
16 51 55	48.	-.645	74.	LOW	+21.	211.	+6.	61.	+.81	3.97	LOW	1.96	LOW
16 52 0	4c.	-.342	74.	LOW	+30.	210.	+8.	58.	+.60	3.87	LOW	1.88	LOW
16 52 5	49.	-.039	75.	LOW	423.	214.	46.	56.	4.20	3.75	LOW	1.60	LOW
16 52 10	4c.	-.108	72.	LOW	+36.	212.	43.	72.	5.15	4.43	LOW	1.74	LOW
16 52 15	4c.	-.156	72.	LOW	440.	214.	3c.	78.	5.40	4.26	LOW	1.74	LOW
16 52 20	4c.	-.176	73.	LOW	+41.	214.	3c.	75.	5.01	4.04	LOW	1.62	LOW
16 52 25	4c.	-.098	7c.	LOW	447.	212.	+2.	69.	+.26	3.52	LOW	1.23	LOW
16 52 35	48.	-.078	75.	LOW	+39.	215.	+c.	69.	+.27	3.48	LOW	1.17	LOW
16 52 40	47.	0.000	74.	LOW	+42.	214.	+2.	68.	+.15	3.60	LOW	1.31	LOW

TIME H/M/S 05	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 35 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 05 TEMP AIR FWD EQUIP BAY VENTUR
16 52 45	47.	0.000	79.	LOW	445.	215.	39.	68.	+.14	3.57	LOW	1.24	LOW
16 52 45	47.	-.117	78.	LOW	420.	213.	40.	62.	+.11	3.21	LOW	1.33	LOW
16 52 50	47.	-.078	76.	LOW	429.	213.	46.	62.	3.94	3.13	LOW	1.23	LOW
16 52 55	48.	.156	76.	LOW	435.	216.	42.	60.	3.80	2.97	LOW	1.11	LOW
16 53 0	46.	.078	76.	LOW	428.	215.	47.	57.	3.53	2.88	LOW	1.06	LOW
16 53 13	46.	-.078	77.	LOW	411.	213.	50.	53.	3.25	2.85	LOW	1.02	LOW
16 53 10	48.	-.088	72.	LOW	403.	213.	43.	69.	+.47	3.91	LOW	1.14	LOW
16 53 16	47.	-.078	68.	LOW	445.	217.	35.	95.	5.92	5.69	LOW	2.11	LOW
16 53 21	47.	-.039	69.	LOW	443.	216.	38.	92.	5.45	5.35	LOW	1.97	LOW
16 53 26	48.	-.039	72.	LOW	463.	220.	35.	84.	5.88	4.83	LOW	1.84	LOW
16 53 31	48.	-.088	72.	LOW	477.	219.	35.	84.	5.70	4.78	LOW	1.75	LOW
16 53 36	47.	-.156	73.	LOW	464.	219.	40.	85.	5.57	4.52	LOW	1.78	LOW
16 53 41	47.	-.098	72.	LOW	475.	219.	40.	81.	5.85	4.89	LOW	2.10	LOW
16 53 46	48.	-.059	72.	LOW	450.	219.	48.	68.	5.51	4.67	LOW	2.25	LOW
16 53 51	48.	-.088	73.	LOW	440.	219.	48.	67.	5.38	4.62	LOW	2.21	LOW
16 53 56	48.	-.293	74.	LOW	449.	222.	43.	64.	4.85	4.18	LOW	1.96	LOW
16 54 1	49.	-.225	74.	LOW	435.	219.	45.	61.	+.76	4.13	LOW	1.87	LOW
16 54 6	48.	-.098	75.	LOW	409.	219.	51.	55.	+.60	3.42	LOW	1.78	LOW
16 54 11	48.	-.127	73.	LOW	425.	219.	49.	64.	4.58	3.49	LOW	1.55	LOW
16 54 16	47.	-.078	71.	LOW	460.	219.	37.	94.	5.81	4.65	LOW	1.70	LOW
16 54 21	47.	-.059	72.	LOW	448.	214.	41.	81.	5.90	4.95	LOW	2.39	LOW
16 54 26	47.	-.098	73.	LOW	433.	219.	44.	77.	5.57	5.73	LOW	5.34	LOW
16 54 31	47.	-.088	73.	LOW	438.	220.	42.	75.	5.38	5.36	LOW	5.22	LOW
16 54 36	49.	-.098	74.	LOW	442.	221.	40.	74.	4.75	3.91	LOW	1.33	LOW
16 54 41	49.	-.137	59.	LOW	438.	220.	41.	68.	+.33	3.84	LOW	1.17	LOW
16 54 46	48.	-.137	35.	LOW	440.	219.	42.	69.	+.28	3.38	LOW	.90	LOW
16 54 51	35.	-.059	30.	LOW	431.	220.	42.	64.	3.95	3.13	LOW	.81	LOW
16 54 56	24.	-.156	20.	LOW	410.	216.	57.	47.	2.86	2.54	LOW	.35	LOW
16 55 1	24.	-.166	20.	LOW	384.	217.	55.	47.	2.82	2.63	LOW	.39	LOW
16 55 6	24.	-.078	20.	LOW	374.	219.	52.	47.	2.95	2.70	LOW	.43	LOW
16 56 9	23.	-.108	20.	LOW	359.	214.	51.	49.	3.10	2.71	LOW	.43	LOW
16 56 19	23.	-.196	20.	LOW	322.	210.	46.	50.	3.34	2.48	LOW	.45	LOW
16 56 24	23.	-.205	20.	LOW	324.	210.	52.	50.	3.23	2.65	LOW	.44	LOW
16 56 29	23.	-.215	21.	LOW	335.	211.	46.	52.	3.26	2.89	LOW	.59	LOW
16 56 29	23.	-.127	21.	LOW	339.	210.	45.	53.	3.24	2.85	LOW	.56	LOW
16 56 34	23.	-.117	20.	LOW	322.	207.	51.	50.	3.32	2.89	LOW	.41	LOW
16 56 39	23.	-.176	20.	LOW	313.	207.	51.	51.	3.32	2.91	LOW	.40	LOW
16 56 49	23.	-.117	20.	LOW	322.	205.	51.	50.	3.26	2.95	LOW	.43	LOW
16 56 54	23.	-.137	20.	LOW	323.	207.	46.	51.	3.23	2.91	LOW	.41	LOW
16 56 59	23.	-.645	20.	LOW	322.	207.	46.	49.	3.34	2.87	LOW	.57	LOW
16 56 59	23.	-.342	20.	LOW	323.	206.	51.	50.	3.32	2.84	LOW	.56	LOW
16 57 4	24.	-.078	21.	LOW	329.	204.	47.	53.	3.25	2.74	LOW	.57	LOW
16 57 9	23.	-.156	20.	LOW	315.	204.	47.	52.	3.24	2.77	LOW	.51	LOW
16 57 14	23.	-.156	20.	LOW	299.	206.	46.	47.	3.33	2.87	LOW	.51	LOW
16 57 19	23.	-.117	20.	LOW	312.	206.	46.	50.	3.25	2.85	LOW	.48	LOW
16 57 24	23.	-.196	20.	LOW	309.	201.	53.	52.	3.33	2.85	LOW	.43	LOW
16 57 30	23.	-.088	20.	LOW	317.	202.	46.	52.	3.25	2.83	LOW	.52	LOW
16 57 35	23.	-.078	20.	LOW	299.	203.	49.	50.	3.19	2.91	LOW	.39	LOW
16 57 40	23.	-.186	20.	LOW	304.	203.	51.	51.	3.20	2.90	LOW	.46	LOW

TIME H/M/S 05	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 23 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 33 PRESS LPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
16 57 45	23.	-.254	20.	LOW	304.	202.	46.	49.	3.28	2.76	LOW	.49	LOW
16 57 50	23.	-.215	20.	LOW	304.	200.	48.	50.	3.27	2.83	LOW	.51	LOW
16 57 55	23.	-.117	20.	LOW	320.	199.	50.	51.	3.25	2.80	LOW	.53	LOW
16 58 0	23.	-.117	20.	LOW	314.	200.	45.	52.	3.27	2.72	LOW	.51	LOW
16 58 5	23.	-.059	19.	LOW	304.	200.	47.	41.	3.19	2.76	LOW	.45	LOW
16 58 10	23.	-.352	20.	LOW	304.	200.	47.	47.	3.15	2.83	LOW	.49	LOW
16 58 15	23.	-.098	20.	LOW	299.	196.	49.	51.	3.25	2.72	LOW	.63	LOW
16 58 20	23.	-.059	20.	LOW	309.	197.	46.	52.	3.25	2.77	LOW	.61	LOW
16 58 25	23.	-.176	19.	LOW	299.	199.	46.	52.	3.21	2.80	LOW	.47	LOW
16 58 30	23.	-.235	20.	LOW	301.	198.	44.	50.	3.25	2.86	LOW	.42	LOW
16 58 35	23.	-.196	20.	LOW	320.	193.	42.	49.	3.20	2.82	LOW	.61	LOW
16 58 40	23.	-.235	20.	LOW	309.	196.	43.	50.	3.19	2.80	LOW	.57	LOW
16 58 45	23.	-.020	19.	LOW	319.	198.	40.	51.	3.32	2.78	LOW	.55	LOW
16 58 55	23.	-.059	19.	LOW	309.	197.	41.	51.	3.30	2.76	LOW	.56	LOW
16 59 0	23.	-.059	20.	LOW	312.	194.	50.	50.	3.19	2.64	LOW	.41	LOW
16 59 0	23.	-.039	20.	LOW	305.	195.	46.	51.	3.18	2.73	LOW	.52	LOW
16 59 5	23.	-.137	20.	LOW	312.	194.	42.	50.	3.28	2.56	LOW	.47	LOW
16 59 10	23.	-.088	20.	LOW	312.	195.	42.	50.	3.23	2.78	LOW	.53	LOW
16 59 15	23.	-.156	19.	LOW	319.	193.	41.	49.	3.11	2.89	LOW	.61	LOW
16 59 25	23.	-.176	19.	LOW	314.	192.	45.	50.	3.21	2.84	LOW	.53	LOW
16 59 30	23.	-.156	20.	LOW	312.	194.	39.	51.	3.30	2.95	LOW	-.02	LOW
16 59 35	23.	-.059	20.	LOW	312.	193.	44.	52.	3.24	2.86	LOW	.26	LOW
16 59 35	22.	-.039	20.	LOW	315.	190.	50.	52.	3.25	2.72	LOW	.47	LOW
16 59 40	22.	-.078	20.	LOW	303.	190.	49.	52.	3.25	2.56	LOW	.46	LOW
16 59 45	22.	-.176	20.	LOW	305.	193.	43.	49.	3.25	2.87	LOW	.45	LOW
16 59 50	23.	-.088	20.	LOW	307.	192.	42.	50.	3.24	2.87	LOW	.48	LOW
16 59 55	22.	-.117	20.	LOW	316.	189.	46.	50.	3.25	2.74	LOW	.61	LOW
17 0 0	23.	-.156	20.	LOW	315.	189.	46.	48.	3.31	2.83	LOW	.55	LOW
17 45 23	22.	-.176	19.	LOW	265.	155.	32.	45.	3.17	2.58	LOW	.63	LOW
17 45 28	22.	-.108	19.	LOW	268.	154.	34.	43.	3.21	2.60	LOW	.65	LOW
17 45 33	22.	-.254	20.	LOW	300.	154.	36.	48.	3.25	2.91	LOW	.66	LOW
17 45 39	22.	-.263	20.	LOW	289.	153.	35.	48.	3.25	2.85	LOW	.72	LOW
17 45 44	22.	-.254	20.	LOW	298.	153.	39.	48.	3.25	2.93	LOW	.65	LOW
17 45 49	22.	-.166	20.	LOW	263.	153.	37.	46.	3.18	2.83	LOW	.70	LOW
17 45 54	22.	-.235	20.	LOW	286.	150.	40.	49.	2.67	2.74	LOW	.59	LOW
17 45 59	22.	-.283	20.	LOW	289.	151.	33.	49.	2.92	2.81	LOW	.56	LOW
17 46 4	23.	-.117	19.	LOW	279.	152.	34.	49.	3.11	3.01	LOW	.51	LOW
17 46 9	23.	-.196	19.	LOW	283.	152.	34.	47.	3.16	3.06	LOW	.55	LOW
17 46 14	22.	-.176	19.	LOW	286.	155.	35.	45.	3.21	2.65	LOW	.53	LOW
17 46 19	22.	-.166	19.	LOW	289.	155.	37.	46.	3.24	2.85	LOW	.55	LOW
17 45 32	21.	-.117	20.	LOW	260.	153.	39.	47.	3.15	2.68	LOW	.82	LOW
17 46 29	21.	-.147	20.	LOW	279.	154.	38.	47.	3.07	2.82	LOW	.69	LOW
17 46 34	21.	-.215	19.	LOW	261.	153.	39.	46.	3.09	2.52	LOW	.80	LOW
17 46 39	22.	-.156	19.	LOW	263.	152.	36.	46.	3.09	2.59	LOW	.78	LOW
17 47 37	22.	-.235	20.	LOW	286.	152.	35.	48.	3.01	2.85	LOW	.76	LOW
17 47 42	21.	-.205	20.	LOW	273.	154.	34.	46.	3.01	2.79	LOW	.76	LOW
17 47 47	23.	-.039	19.	LOW	278.	154.	35.	45.	3.11	2.68	LOW	.55	LOW
17 47 52	22.	-.137	19.	LOW	270.	153.	34.	44.	3.09	2.70	LOW	.65	LOW
17 47 57	22.	-.196	20.	LOW	293.	152.	39.	48.	3.21	2.66	LOW	.61	LOW

TIME H/M/S 05	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
17 58 33	22.	.059	20.	LOW	280.	152.	36.	48.	3.28	2.82	LOW	.04	LOW
17 58 38	22.	.293	20.	LOW	286.	153.	39.	49.	3.34	2.97	LOW	.53	LOW
17 58 43	22.	.235	20.	LOW	291.	154.	41.	48.	3.22	2.79	LOW	.64	LOW
17 58 48	21.	.313	20.	LOW	301.	154.	37.	47.	2.95	2.83	LOW	.49	LOW
17 58 53	22.	.274	20.	LOW	317.	157.	37.	44.	2.91	2.70	LOW	.47	LOW
17 58 58	23.	.254	21.	LOW	344.	160.	43.	45.	2.85	2.62	LOW	.51	LOW
17 59 3	22.	.254	21.	LOW	347.	161.	41.	45.	2.74	2.56	LOW	.56	LOW
17 59 8	23.	.215	20.	LOW	389.	163.	44.	44.	2.78	2.54	LOW	.55	LOW
17 59 13	22.	.274	20.	LOW	381.	164.	42.	45.	2.83	2.57	LOW	.53	LOW
17 59 18	24.	-.039	22.	LOW	386.	169.	38.	46.	2.75	2.54	LOW	.61	LOW
17 59 23	24.	-.039	22.	LOW	375.	166.	40.	47.	2.85	2.51	LOW	.49	LOW
17 59 28	23.	-.098	21.	LOW	355.	167.	40.	49.	3.01	2.89	LOW	.41	LOW
17 59 33	23.	-.147	21.	LOW	346.	167.	39.	47.	2.93	2.77	LOW	.58	LOW
17 59 38	23.	-.254	21.	LOW	342.	165.	34.	48.	2.87	2.60	LOW	.65	LOW
18 0 39	12.	-.156	10.	LOW	295.	151.	54.	24.	1.59	1.21	LOW	.41	LOW
18 6 44	-1.	-.254	0.	LOW	274.	138.	84.	1.	.06	-.04	LOW	.29	LOW
18 6 49	-1.	-.186	-0.	LOW	256.	132.	83.	1.	.17	.03	LOW	.17	LOW
18 6 54	-1.	-.313	1.	LOW	269.	138.	78.	2.	.08	-.10	LOW	.08	LOW
18 6 59	-1.	-.254	-0.	LOW	252.	128.	79.	1.	.14	-.09	LOW	.12	LOW
18 7 4	-0.	-.098	-0.	LOW	263.	137.	79.	0.	.23	-.04	LOW	.16	LOW
18 7 9	-0.	-.029	0.	LOW	264.	136.	79.	0.	.19	-.07	LOW	.20	LOW
18 7 14	-1.	-.098	0.	LOW	279.	136.	79.	1.	.12	-.08	LOW	.20	LOW
18 7 24	-1.	-.049	0.	LOW	266.	135.	78.	-0.	.13	-.10	LOW	.24	LOW
18 7 39	-1.	-.156	-0.	LOW	249.	132.	76.	2.	.20	.04	LOW	0.00	LOW
18 7 44	-1.	-.166	-0.	LOW	253.	133.	78.	1.	.15	-.01	LOW	.11	LOW
18 7 44	-1.	-.235	-0.	LOW	264.	132.	80.	2.	.16	-.12	LOW	-.00	LOW
18 7 49	-1.	-.244	0.	LOW	270.	132.	76.	1.	.11	-.07	LOW	.04	LOW
18 7 54	-1.	-.137	0.	LOW	237.	132.	80.	-0.	.12	-.10	LOW	.18	LOW
18 7 59	-1.	-.147	0.	LOW	243.	131.	78.	1.	.21	.02	LOW	.10	LOW
18 8 4	-0.	-.098	1.	LOW	258.	130.	77.	1.	0.00	-.20	LOW	.18	LOW
18 8 9	-1.	-.049	0.	LOW	247.	130.	77.	1.	-.01	-.01	LOW	.15	LOW
18 8 14	-1.	-.029	-0.	LOW	244.	130.	79.	0.	-.02	-.06	LOW	.18	LOW
18 8 20	-0.	-.039	0.	LOW	253.	129.	78.	0.	.01	-.03	LOW	.20	LOW
18 8 25	-0.	.020	-0.	LOW	244.	127.	80.	0.	.02	-.22	LOW	.16	LOW
18 8 30	-1.	-.049	-0.	LOW	246.	128.	80.	0.	0.00	-.12	LOW	.20	LOW
18 20 38	-1.	-.117	-0.	84.	183.	136.	136.	1.	.12	-.04	70.	.20	58.
18 20 43	-1.	-.117	-0.	84.	189.	135.	130.	1.	.13	-.02	70.	.23	56.
18 21 9	-1.	-.196	-1.	85.	177.	134.	102.	1.	-.02	-.12	72.	-.02	56.
18 21 14	-1.	-.391	-1.	87.	176.	138.	109.	-0.	-.06	-.20	74.	-.06	61.
18 21 14	-2.	-.469	-2.	94.	195.	141.	116.	-0.	.04	-.18	77.	-.10	67.
18 21 19	-2.	-.440	-2.	94.	184.	140.	109.	-1.	-.03	-.26	78.	-.05	67.
18 21 24	-1.	-.587	-2.	92.	193.	139.	107.	-0.	-.02	-.29	76.	-.08	64.
18 21 29	-1.	-.469	-1.	91.	191.	138.	106.	-0.	-.04	-.23	74.	-.04	63.
18 21 34	-2.	-.176	-1.	90.	174.	136.	105.	1.	0.00	-.04	77.	-.12	61.
18 21 39	-2.	-.186	-1.	38.	175.	135.	104.	1.	0.00	-.05	74.	-.15	61.
18 21 45	-1.	-.371	-1.	86.	160.	134.	102.	1.	.06	-.22	70.	.02	60.
18 21 50	-1.	-.303	-0.	86.	163.	134.	104.	2.	.02	-.21	70.	.02	59.
18 21 55	-1.	-.391	-1.	85.	181.	133.	104.	0.	.14	.02	69.	.08	58.
18 22 0	-1.	-.362	-1.	82.	171.	133.	103.	0.	.08	-.01	69.	.04	56.

TIME H/M/S 05	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY273-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PITOBE	EC 33 PRESS MAIN CABIN AIR FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
18 22 5	-0.	-.090	-0.	64.	165.	153.	102.	1.	.12	-.23	67.	.12	57.
18 22 10	-0.	-.166	-0.	65.	177.	132.	102.	0.	.17	-.14	66.	.13	57.
18 22 15	-0.	-.137	-1.	64.	158.	130.	102.	-0.	.10	-.33	69.	.16	56.
18 22 20	-0.	-.225	-1.	65.	167.	131.	102.	1.	.04	-.25	70.	.09	56.
18 22 25	-1.	-.293	0.	64.	165.	131.	101.	2.	.06	-.14	68.	.00	56.
18 22 30	-1.	-.313	0.	65.	173.	131.	102.	1.	.11	-.14	67.	.06	58.
18 22 35	-1.	-.156	-0.	65.	187.	132.	103.	-0.	.16	-.02	66.	.14	56.
18 22 40	-1.	-.166	-0.	65.	172.	132.	104.	-4.	.22	-.14	68.	.10	58.
18 22 45	-1.	-.117	-0.	67.	174.	116.	105.	3.	-.02	-.04	69.	.08	59.
18 22 50	-1.	-.108	-0.	67.	175.	124.	105.	1.	.11	-.03	69.	.07	59.
18 22 55	-1.	-.196	-0.	67.	183.	132.	105.	0.	.14	.23	71.	.13	60.
18 23 0	-1.	-.215	-0.	66.	181.	132.	104.	0.	.15	.15	72.	.17	60.

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TIME H/M/S 06	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV INTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV ENOZZL E	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
16 18 3	112.	-0.	.10	116.	29.96	.06	0.0	108.	LOW	LOW	LOW	77.	0.
16 58 8	112.	-0.	.09	127.	29.92	.04	.0	116.	LOW	LOW	LOW	78.	0.
16 19 13	112.	0.	.20	117.	29.92	.02	.1	117.	LOW	LOW	LOW	82.	0.
16 19 31	113.	0.	.18	119.	30.01	.02	.2	120.	LOW	LOW	LOW	82.	0.
16 19 28	113.	0.	.08	137.	30.22	.03	.2	112.	LOW	LOW	LOW	81.	0.
16 19 33	113.	-0.	.06	135.	30.04	.02	.1	110.	LOW	LOW	LOW	81.	0.
16 19 33	113.	-0.	.10	119.	29.96	.03	-.0	112.	LOW	LOW	LOW	82.	-0.
16 19 38	113.	0.	.18	138.	29.98	.02	.1	111.	LOW	LOW	LOW	81.	1.
16 19 43	116.	0.	.12	111.	29.96	.03	.1	107.	LOW	LOW	LOW	74.	0.
16 58 48	115.	0.	.11	121.	29.89	.02	.1	114.	LOW	LOW	LOW	77.	0.
16 19 53	113.	-0.	.08	134.	30.22	.03	.2	119.	LOW	LOW	LOW	81.	-2.
16 59 58	113.	-0.	.09	134.	30.13	.05	.2	117.	LOW	LOW	LOW	81.	-1.
16 20 4	113.	0.	.04	119.	29.98	.02	0.0	116.	LOW	LOW	LOW	81.	-0.
16 20 9	113.	1.	.09	123.	30.01	.02	.1	120.	LOW	LOW	LOW	80.	-1.
16 21 26	117.	33.	.10	137.	30.10	.04	0.0	133.	LOW	LOW	LOW	74.	-0.
16 21 31	120.	32.	.06	133.	30.16	.03	.1	123.	LOW	LOW	LOW	80.	0.
16 21 36	122.	31.	.06	129.	29.98	.05	.2	117.	LOW	LOW	LOW	80.	-0.
16 21 41	124.	34.	.13	124.	30.04	.04	.0	114.	LOW	LOW	LOW	84.	-0.
16 21 46	124.	38.	.06	136.	29.80	.02	0.0	116.	LOW	LOW	LOW	86.	1.
16 21 51	126.	38.	.10	137.	29.80	.03	0.0	122.	LOW	LOW	LOW	86.	0.
16 21 56	129.	37.	.12	136.	29.86	0.00	.0	114.	LOW	LOW	LOW	77.	0.
16 22 1	130.	37.	.08	130.	29.89	.01	.1	119.	LOW	LOW	LOW	82.	-0.
16 22 6	129.	37.	.20	145.	30.76	.02	.1	121.	LOW	LOW	LOW	76.	0.
16 22 11	131.	34.	.44	150.	30.43	.06	.2	121.	LOW	LOW	LOW	77.	0.
16 22 16	128.	15.	.63	171.	29.96	.11	.3	93.	LOW	LOW	LOW	76.	-0.
16 22 21	129.	18.	.03	159.	30.10	.15	.4	89.	LOW	LOW	LOW	79.	-0.
16 22 34	134.	18.	.68	123.	29.96	.09	.3	90.	LOW	LOW	LOW	88.	0.
16 22 36	137.	18.	.71	126.	30.26	.11	.2	82.	LOW	LOW	LOW	83.	0.
16 22 41	157.	17.	.85	105.	29.98	.07	.3	67.	LOW	LOW	LOW	85.	-1.
16 22 46	169.	17.	.78	109.	30.10	.09	.3	74.	LOW	LOW	LOW	86.	-0.
16 22 51	194.	16.	.86	137.	30.10	.10	.1	74.	LOW	LOW	LOW	86.	0.
16 22 56	195.	16.	.70	118.	29.98	.10	.3	73.	LOW	LOW	LOW	83.	-0.
16 23 1	206.	17.	.84	147.	30.04	.14	.1	80.	LOW	LOW	LOW	76.	1.
16 23 9	209.	17.	.73	125.	30.07	.12	.2	82.	LOW	LOW	LOW	81.	0.
16 23 6	209.	17.	.98	132.	29.86	.07	.1	73.	LOW	LOW	LOW	78.	0.
16 23 11	217.	17.	.83	130.	29.95	.10	.1	74.	LOW	LOW	LOW	76.	-0.
16 23 16	228.	17.	.66	120.	29.98	.07	.3	77.	LOW	LOW	LOW	80.	-0.
16 23 21	228.	17.	.57	128.	30.07	.09	.2	73.	LOW	LOW	LOW	84.	-0.
16 23 26	232.	16.	.65	119.	29.92	.13	.2	61.	LOW	LOW	LOW	74.	0.
16 23 32	233.	17.	.79	133.	29.92	.13	.2	66.	LOW	LOW	LOW	77.	0.
16 03 37	233.	19.	.61	136.	29.80	.15	.2	60.	LOW	LOW	LOW	67.	0.
16 23 42	231.	17.	.61	139.	30.01	.16	.0	65.	LOW	LOW	LOW	72.	0.
16 23 47	232.	16.	.59	114.	30.04	.15	-.3	61.	LOW	LOW	LOW	82.	0.
16 23 52	229.	16.	.47	114.	30.04	.15	-.1	90.	LOW	LOW	LOW	79.	0.
16 23 57	226.	15.	.43	121.	30.22	.15	.3	69.	LOW	LOW	LOW	78.	0.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AIR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 60 PRESS STATIC SVC AIR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV ENOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
16 38 34	326.	28.	.45	179.	30.13	.18	.3	71.	LOW	LOW	LOW	76.	-0.
16 38 39	433.	43.	.31	264.	30.28	.14	.2	74.	LOW	LOW	LOW	78.	-0.
16 38 44	435.	36.	.38	262.	30.19	.13	.3	82.	LOW	LOW	LOW	76.	-0.
16 38 49	439.	29.	.41	264.	29.58	.15	-.0	81.	LOW	LOW	LOW	81.	-0.
16 38 54	439.	30.	.40	265.	29.80	.15	.1	80.	LOW	LOW	LOW	77.	-0.
16 38 59	439.	30.	.37	259.	30.10	.12	.5	78.	LOW	LOW	LOW	74.	1.
16 39 4	442.	30.	.40	246.	29.59	.11	.4	80.	LOW	LOW	LOW	79.	0.
16 39 9	442.	30.	.53	239.	29.92	.13	.2	61.	LOW	LOW	LOW	83.	-0.
16 39 14	442.	29.	.44	249.	30.01	.14	.3	73.	LOW	LOW	LOW	86.	-0.
16 39 19	432.	16.	.31	240.	29.60	.15	.4	72.	LOW	LOW	LOW	78.	-0.
16 39 24	427.	19.	.43	232.	29.95	.11	.4	76.	LOW	LOW	LOW	80.	-1.
16 39 29	420.	23.	.43	213.	29.86	.15	.1	69.	LOW	LOW	LOW	80.	-0.
16 39 34	413.	22.	.49	212.	29.77	.16	.2	71.	LOW	LOW	LOW	79.	-0.
16 39 39	389.	21.	.57	180.	30.28	.15	.4	78.	LOW	LOW	LOW	74.	-0.
16 39 44	384.	22.	.54	178.	30.10	.14	.4	82.	LOW	LOW	LOW	78.	-0.
16 39 49	371.	22.	.49	198.	29.74	.12	.4	74.	LOW	LOW	LOW	80.	-1.
16 39 59	365.	22.	.44	163.	29.92	.16	.3	80.	LOW	LOW	LOW	78.	-0.
16 40 4	351.	21.	.55	186.	30.34	.15	.4	89.	LOW	LOW	LOW	76.	-1.
16 40 9	347.	21.	.53	173.	30.10	.15	.2	84.	LOW	LOW	LOW	75.	-1.
16 40 9	342.	22.	.35	168.	29.98	.16	.3	68.	LOW	LOW	LOW	79.	0.
16 40 14	339.	22.	.43	156.	30.04	.15	.3	77.	LOW	LOW	LOW	75.	0.
16 40 19	332.	22.	.37	165.	30.04	.16	.3	68.	LOW	LOW	LOW	77.	-0.
16 40 29	330.	22.	.43	166.	30.16	.15	.1	76.	LOW	LOW	LOW	79.	-0.
16 40 34	323.	22.	.39	156.	30.22	.17	.4	84.	LOW	LOW	LOW	76.	-0.
16 40 34	322.	22.	.39	151.	30.16	.15	.4	76.	LOW	LOW	LOW	75.	-0.
16 46 33	577.	47.	.49	279.	29.80	.16	.3	80.	216.75	369.0	230.9	81.	0.
16 46 38	585.	47.	.48	321.	30.07	.15	.3	82.	213.71	369.7	220.7	82.	0.
16 46 43	604.	47.	.37	330.	29.74	.15	.3	87.	224.49	384.5	195.1	85.	0.
16 46 53	611.	47.	.45	336.	29.86	.15	.3	76.	229.49	388.9	182.2	74.	0.
16 45 53	625.	49.	.53	354.	29.80	.14	.3	88.	233.23	406.4	171.2	85.	0.
16 46 58	630.	49.	.52	364.	29.98	.15	.4	90.	232.14	400.3	182.8	86.	0.
16 47 3	638.	49.	.33	364.	29.68	.17	.3	82.	235.30	414.6	234.7	76.	1.
16 47 8	641.	49.	.39	394.	29.95	.17	.4	80.	237.24	417.4	229.9	79.	0.
16 47 13	647.	48.	.49	381.	29.80	.15	.3	78.	240.42	425.3	188.6	82.	0.
16 47 23	640.	38.	.47	386.	29.77	.16	.3	77.	242.31	425.0	172.8	79.	0.
16 47 28	631.	36.	.45	395.	30.16	.16	.4	62.	244.83	427.8	251.5	71.	-0.
16 47 28	627.	36.	.42	387.	30.07	.17	.3	78.	244.83	429.9	219.2	76.	-0.
16 47 33	618.	36.	.51	379.	30.04	.13	.4	86.	244.36	417.1	211.7	76.	-0.
16 47 38	610.	36.	.40	374.	29.82	.15	.3	82.	244.96	413.0	214.0	74.	0.
16 47 43	594.	37.	.53	369.	29.98	.10	.5	84.	242.33	400.8	175.1	70.	-1.
16 47 48	589.	38.	.49	361.	29.95	.15	.4	60.	240.74	395.8	169.6	75.	-0.
16 47 53	574.	41.	.29	355.	29.86	.14	.3	73.	239.15	381.3	204.1	71.	1.
16 47 58	569.	42.	.34	349.	30.04	.10	.4	60.	237.55	375.7	204.4	73.	0.
16 48 4	558.	42.	.82	320.	29.86	.14	.4	83.	232.77	361.3	193.8	80.	-0.
16 48 9	554.	39.	.72	322.	29.95	.15	.4	85.	234.69	357.2	200.9	77.	-0.
16 48 14	538.	41.	.29	336.	30.22	.19	.4	88.	230.86	349.3	149.8	89.	0.
16 48 19	537.	42.	.38	331.	30.25	.17	.4	82.	229.91	346.8	174.1	76.	-0.
16 48 24	533.	43.	.43	306.	29.80	.11	.3	85.	226.51	339.9	219.4	74.	-0.
16 48 29	531.	43.	.36	305.	29.98	.15	.3	85.	226.00	338.7	230.5	76.	0.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AI SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 35 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 30 T_MP AIR DWNSTR OF PRI HX	EC 34 PRESS REF QUARSE	EC 33 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 54 PRESS STATIC SERVCE AIR HX	EC 46 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV ENOZZL E	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
16 48 34	523.	43.	.35	295.	30.16	.15	.2	80.	226.43	332.4	244.2	78.	-0.
16 48 39	522.	42.	.43	287.	29.89	.13	.3	82.	225.13	330.5	241.4	77.	-0.
16 48 44	506.	35.	.55	285.	29.86	.17	.4	84.	223.22	326.1	171.8	71.	-1.
16 48 49	505.	36.	.52	286.	30.01	.17	.4	86.	222.33	324.0	192.1	70.	-0.
16 48 54	500.	41.	.39	278.	29.98	.17	-.0	81.	220.33	321.6	187.4	67.	0.
16 48 59	490.	41.	.39	281.	30.07	.15	-.0	85.	218.44	320.5	201.8	70.	0.
16 49 4	496.	42.	.49	249.	29.86	.15	.3	74.	214.29	316.8	173.8	63.	-1.
16 49 9	497.	39.	.54	259.	30.04	.16	.4	82.	213.00	318.1	169.2	82.	-0.
16 49 14	493.	36.	.53	298.	30.10	.18	.4	94.	210.84	316.8	134.9	69.	0.
16 49 19	491.	39.	.52	294.	29.95	.16	.3	88.	207.00	310.4	172.1	73.	-0.
16 49 24	483.	42.	.49	316.	29.92	.19	.5	96.	219.39	321.2	151.1	69.	-0.
16 49 29	486.	42.	.47	298.	29.77	.15	.3	88.	223.22	320.2	162.8	75.	-0.
16 49 34	487.	41.	.49	303.	30.10	.15	.2	82.	221.94	322.4	189.9	82.	1.
16 49 39	473.	38.	.58	310.	30.07	.19	.1	81.	221.82	322.7	212.3	76.	0.
16 49 52	483.	37.	.49	296.	30.10	.09	.1	77.	223.07	320.9	230.9	70.	0.
16 49 49	485.	38.	.45	290.	30.10	.11	.1	77.	217.15	320.2	231.2	72.	-0.
16 49 59	489.	37.	.37	280.	29.98	.13	.4	88.	215.07	316.7	198.4	80.	-0.
16 50 4	486.	37.	.35	281.	30.07	.14	.3	85.	214.81	317.1	182.5	78.	0.
16 50 9	491.	38.	.41	263.	30.10	.00	0.0	78.	214.23	313.7	250.6	71.	0.
16 50 9	487.	38.	.47	256.	29.95	.10	.1	86.	213.34	313.4	233.4	72.	-0.
16 50 14	481.	37.	.43	279.	29.74	.14	.5	90.	195.65	315.0	198.4	79.	-0.
16 50 19	479.	40.	.40	269.	29.92	.16	.5	90.	207.23	315.6	223.5	74.	0.
16 50 24	474.	43.	.35	275.	30.10	.14	.2	73.	218.12	315.0	120.5	67.	0.
16 50 29	476.	41.	.32	275.	29.98	.13	.3	79.	217.43	314.0	107.5	71.	0.
16 50 34	476.	42.	.33	295.	30.10	.20	.4	86.	215.57	314.3	149.2	71.	0.
16 50 40	475.	40.	.36	288.	30.10	.17	.4	86.	215.07	314.6	199.6	75.	-0.
16 50 45	472.	36.	.29	275.	29.98	.15	.4	88.	214.23	311.8	151.7	69.	0.
16 50 50	469.	36.	.42	266.	29.80	.16	.3	82.	213.93	312.5	145.0	67.	0.
16 50 55	481.	35.	.43	246.	29.80	.14	.5	84.	211.79	313.7	189.3	80.	0.
16 51 0	471.	36.	.40	251.	29.83	.16	.5	84.	211.43	311.3	203.4	74.	0.
16 51 13	443.	30.	.49	245.	30.16	.13	.2	73.	209.85	308.7	145.9	67.	0.
16 51 10	446.	39.	.58	247.	29.92	.13	.3	86.	210.15	304.1	151.8	76.	-0.
16 51 15	450.	37.	.53	285.	30.26	.14	.2	72.	210.32	312.5	223.2	72.	0.
16 51 20	451.	39.	.54	287.	30.13	.15	.3	78.	214.01	314.3	188.5	69.	-0.
16 51 25	459.	42.	.33	309.	30.04	.15	.3	82.	221.30	318.7	224.5	76.	1.
16 51 30	454.	43.	.37	303.	30.04	.17	.3	87.	*0000.00	*0000.0	*0000.0	72.	0.
16 51 35	460.	41.	.47	306.	29.98	.11	.5	95.	LOW	LOW	LOW	81.	-1.
16 51 40	449.	38.	.51	309.	29.98	.14	.4	93.	LOW	LOW	LOW	75.	-0.
16 51 45	468.	36.	.74	279.	30.16	.13	.2	74.	LOW	LOW	LOW	77.	-0.
16 51 50	461.	36.	.58	275.	30.13	.12	.2	81.	LOW	LOW	LOW	73.	0.
16 51 55	449.	38.	.39	270.	30.16	.13	.2	82.	LOW	LOW	LOW	80.	-1.
16 52 0	440.	37.	.38	275.	29.98	.14	.1	85.	LOW	LOW	LOW	77.	-1.
16 52 5	447.	38.	.33	278.	29.74	.13	.3	73.	LOW	LOW	LOW	71.	0.
16 52 10	446.	39.	.38	270.	29.95	.12	.5	80.	LOW	LOW	LOW	74.	0.
16 52 15	447.	38.	.51	279.	30.10	.14	.4	81.	LOW	LOW	LOW	76.	0.
16 52 20	443.	36.	.44	284.	30.07	.14	.3	90.	LOW	LOW	LOW	76.	1.
16 52 25	452.	40.	.25	286.	29.74	.15	.4	89.	LOW	LOW	LOW	80.	-0.
16 52 35	450.	41.	.33	285.	29.89	.16	.2	80.	LOW	LOW	LOW	75.	0.
16 52 40	454.	42.	.31	273.	29.86	.05	.0	78.	LOW	LOW	LOW	76.	0.

TIME H/M/S 06	EC 45 TEMP AIR DWNSTR OF HOT AIR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTOR	EC 36 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS DIFF COARSE	EC 63 PRESS STATIC SVC AIR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVICE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTH TRAIN REMOV NOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
16 52 45	452.	39.	.41	287.	29.95	.11	.4	84.	LOW	LOW	LOW	74.	0.
16 52 45	462.	35.	.47	279.	29.92	.12	.5	81.	LOW	LOW	LOW	78.	0.
16 52 50	462.	35.	.52	284.	30.31	.13	.4	80.	LOW	LOW	LOW	79.	-0.
16 52 55	462.	36.	.51	276.	29.92	.17	.2	85.	LOW	LOW	LOW	71.	0.
16 53 0	459.	36.	.48	271.	29.77	.13	.2	88.	LOW	LOW	LOW	75.	0.
16 53 13	439.	37.	.47	245.	29.74	.11	.5	74.	LOW	LOW	LOW	83.	0.
16 53 18	437.	38.	.55	243.	29.77	.12	.6	71.	LOW	LOW	LOW	81.	-0.
16 53 16	432.	38.	.65	253.	29.86	.07	.5	84.	LOW	LOW	LOW	74.	-1.
16 53 21	436.	37.	.61	289.	30.04	.10	.4	81.	LOW	LOW	LOW	75.	-1.
16 53 26	439.	38.	.35	315.	29.96	.17	.4	89.	LOW	LOW	LOW	74.	1.
16 53 31	434.	38.	.43	307.	29.74	.15	.4	90.	LOW	LOW	LOW	71.	0.
16 53 36	442.	41.	.53	290.	29.98	.17	.1	89.	LOW	LOW	LOW	82.	-0.
16 53 41	436.	38.	.38	300.	29.95	.14	.2	90.	LOW	LOW	LOW	76.	-0.
16 53 46	469.	35.	.45	295.	30.10	.09	.3	73.	LOW	LOW	LOW	77.	-2.
16 53 51	464.	35.	.57	291.	30.19	.12	.2	78.	LOW	LOW	LOW	76.	-1.
16 53 56	431.	37.	.41	293.	29.96	.13	.1	77.	LOW	LOW	LOW	68.	-0.
16 54 1	431.	37.	.35	286.	30.01	.13	.2	81.	LOW	LOW	LOW	74.	-1.
16 54 6	438.	37.	.47	274.	30.34	.13	.3	88.	LOW	LOW	LOW	71.	0.
16 54 11	441.	34.	.48	274.	30.16	.12	.2	79.	LOW	LOW	LOW	77.	0.
16 54 16	436.	42.	.55	274.	29.80	.16	.2	86.	LOW	LOW	LOW	78.	0.
16 54 21	442.	42.	.54	277.	29.85	.16	.2	82.	LOW	LOW	LOW	78.	0.
16 54 26	445.	38.	.61	279.	30.16	.15	.3	86.	LOW	LOW	LOW	74.	0.
16 54 31	443.	38.	.53	281.	30.10	.13	.2	79.	LOW	LOW	LOW	71.	0.
16 54 36	449.	42.	.29	280.	30.04	.17	.1	77.	LOW	LOW	LOW	75.	0.
16 54 41	447.	39.	.29	285.	30.16	.15	.1	80.	LOW	LOW	LOW	72.	0.
16 54 46	446.	35.	.41	278.	29.92	.14	.4	77.	LOW	LOW	LOW	74.	-2.
16 54 51	441.	31.	.40	283.	29.89	.17	.3	83.	LOW	LOW	LOW	75.	-1.
16 54 56	441.	23.	.35	249.	30.22	.12	.4	80.	LOW	LOW	LOW	75.	-1.
16 55 1	438.	23.	.39	247.	30.16	.13	.3	80.	LOW	LOW	LOW	75.	-0.
16 55 6	427.	22.	.39	210.	29.90	.16	.1	94.	LOW	LOW	LOW	71.	0.
16 56 9	405.	22.	.45	191.	29.80	.14	.2	87.	LOW	LOW	LOW	74.	0.
16 56 19	380.	22.	.51	180.	29.92	.17	.2	73.	LOW	LOW	LOW	72.	1.
16 56 24	381.	22.	.48	185.	30.01	.15	.3	73.	LOW	LOW	LOW	74.	0.
16 56 29	372.	22.	.45	174.	30.10	.14	.4	88.	LOW	LOW	LOW	65.	0.
16 56 29	372.	22.	.51	187.	30.16	.12	.3	88.	LOW	LOW	LOW	70.	0.
16 56 34	376.	21.	.51	156.	29.80	.10	.2	76.	LOW	LOW	LOW	77.	1.
16 56 39	373.	22.	.52	153.	29.95	.12	.3	75.	LOW	LOW	LOW	75.	0.
16 56 49	372.	22.	.41	155.	29.98	.15	.5	85.	LOW	LOW	LOW	78.	-1.
16 56 54	368.	22.	.44	159.	30.07	.14	.5	84.	LOW	LOW	LOW	77.	-0.
16 56 59	362.	22.	.43	151.	29.86	.09	.3	81.	LOW	LOW	LOW	77.	0.
16 56 59	362.	22.	.50	154.	30.07	.08	.2	87.	LOW	LOW	LOW	77.	-0.
16 57 4	357.	22.	.43	167.	30.16	.17	.4	74.	LOW	LOW	LOW	81.	0.
16 57 9	355.	22.	.49	167.	30.07	.10	.4	78.	LOW	LOW	LOW	78.	-0.
16 57 14	349.	21.	.45	154.	29.86	.15	.4	86.	LOW	LOW	LOW	71.	0.
16 57 19	348.	21.	.48	161.	29.96	.14	.3	78.	LOW	LOW	LOW	71.	-0.
16 57 24	353.	22.	.49	149.	29.92	.09	.3	88.	LOW	LOW	LOW	78.	0.
16 57 30	350.	22.	.44	148.	30.01	.10	.3	86.	LOW	LOW	LOW	77.	0.
16 57 35	347.	22.	.53	137.	29.68	.12	.5	78.	LOW	LOW	LOW	67.	0.
16 57 40	348.	22.	.54	149.	29.86	.11	.4	82.	LOW	LOW	LOW	71.	-1.

TIME H/M/S 06	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 56 PRESS STATIC FWD EQUIP BAY ATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF SOARSE	EC 65 PRESS STATIC SVC AP HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 39 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
16 57 45	342.	22.	.51	156.	30.16	.1[illegible]	.6	84.	LOW	LOW	LOW	80.	0.
16 57 50	341.	22.	.50	154.	30.16	.14	.4	78.	LOW	LOW	LOW	78.	1.
16 57 55	345.	22.	.55	154.	30.04	.07	.2	80.	LOW	LOW	LOW	74.	0.
16 58 0	339.	22.	.50	152.	29.98	.11	.3	76.	LOW	LOW	LOW	74.	0.
16 58 5	337.	22.	.55	160.	29.74	.12	.4	84.	LOW	LOW	LOW	76.	-1.
16 58 10	334.	22.	.46	151.	29.77	.13	.4	82.	LOW	LOW	LOW	75.	-0.
16 58 15	334.	22.	.55	151.	30.10	.10	.4	86.	LOW	LOW	LOW	74.	-0.
16 58 20	333.	22.	.54	165.	30.19	.16	.4	89.	LOW	LOW	LOW	76.	-0.
16 58 25	329.	21.	.43	142.	30.04	.14	.3	73.	LOW	LOW	LOW	76.	1.
16 58 30	327.	21.	.51	140.	30.07	.13	.2	76.	LOW	LOW	LOW	76.	0.
16 58 35	325.	21.	.47	156.	29.56	.16	.3	78.	LOW	LOW	LOW	74.	-0.
16 58 40	324.	22.	.42	152.	29.80	.15	.2	75.	LOW	LOW	LOW	73.	0.
16 58 45	319.	21.	.43	165.	30.10	.14	.2	91.	LOW	LOW	LOW	69.	0.
16 58 55	326.	21.	.45	156.	30.13	.13	.3	90.	LOW	LOW	LOW	73.	0.
16 59 0	322.	22.	.49	141.	30.04	.10	.2	74.	LOW	LOW	LOW	74.	0.
16 59 3	320.	22.	.46	152.	30.07	.11	.2	81.	LOW	LOW	LOW	73.	-1.
16 59 5	316.	22.	.37	156.	30.22	.11	-.0	66.	LOW	LOW	LOW	78.	-0.
16 59 10	315.	22.	.41	163.	30.16	.15	.2	90.	LOW	LOW	LOW	74.	-0.
16 59 15	313.	21.	.29	146.	29.80	.17	.3	78.	LOW	LOW	LOW	71.	-0.
16 59 25	316.	22.	.31	154.	29.86	.15	.2	76.	LOW	LOW	LOW	76.	-0.
16 59 30	310.	22.	.35	151.	29.86	.17	.3	77.	LOW	LOW	LOW	74.	-0.
16 59 35	312.	22.	.41	157.	29.86	.15	.2	78.	LOW	LOW	LOW	75.	-0.
16 59 35	313.	22.	.47	152.	30.10	.08	.3	85.	LOW	LOW	LOW	75.	-0.
16 59 40	315.	22.	.43	151.	30.07	.08	.3	80.	LOW	LOW	LOW	77.	-1.
16 59 45	305.	22.	.41	147.	29.92	.16	.2	94.	LOW	LOW	LOW	69.	-0.
16 59 50	307.	22.	.43	149.	29.77	.14	.4	88.	LOW	LOW	LOW	72.	-0.
16 59 55	309.	22.	.49	158.	30.16	.15	.4	82.	LOW	LOW	LOW	76.	-0.
17 0 0	307.	22.	.47	140.	30.13	.13	.3	74.	LOW	LOW	LOW	76.	-0.
17 45 23	272.	19.	.45	139.	30.22	.14	.4	66.	LOW	LOW	LOW	79.	0.
17 45 28	273.	19.	.46	138.	30.16	.13	.4	68.	LOW	LOW	LOW	79.	0.
17 45 33	271.	20.	.47	143.	30.04	.13	.1	77.	LOW	LOW	LOW	82.	-2.
17 45 39	273.	20.	.51	132.	29.95	.15	.4	71.	LOW	LOW	LOW	80.	-1.
17 45 44	267.	21.	.47	151.	29.62	.13	.2	80.	LOW	LOW	LOW	79.	0.
17 45 49	270.	20.	.49	145.	29.80	.13	.3	71.	LOW	LOW	LOW	79.	0.
17 45 54	270.	21.	.47	147.	29.86	.16	.3	76.	LOW	LOW	LOW	76.	-0.
17 45 59	275.	21.	.39	151.	29.98	.15	.3	74.	LOW	LOW	LOW	77.	-0.
17 46 4	274.	21.	.29	151.	30.10	.12	.3	85.	LOW	LOW	LOW	77.	-0.
17 46 9	275.	21.	.32	143.	30.04	.09	.2	86.	LOW	LOW	LOW	74.	-0.
17 46 14	273.	21.	.31	172.	29.92	.11	.1	84.	LOW	LOW	LOW	77.	0.
17 46 19	271.	20.	.30	167.	29.92	.09	.1	88.	LOW	LOW	LOW	76.	-0.
17 46 32	277.	20.	.49	134.	29.98	.19	.7	68.	LOW	LOW	LOW	78.	-1.
17 46 29	276.	20.	.42	149.	29.83	.14	.4	78.	LOW	LOW	LOW	78.	-1.
17 46 34	274.	19.	.51	142.	30.10	.15	.5	68.	LOW	LOW	LOW	80.	-0.
17 46 39	275.	19.	.44	137.	30.10	.14	.4	68.	LOW	LOW	LOW	79.	-0.
17 47 37	260.	20.	.49	121.	29.86	.16	.5	58.	LOW	LOW	LOW	72.	0.
17 47 42	266.	20.	.51	129.	30.07	.16	.5	60.	LOW	LOW	LOW	75.	0.
17 47 47	275.	20.	.39	150.	30.16	.11	.2	77.	LOW	LOW	LOW	78.	-0.
17 47 52	275.	20.	.45	138.	30.13	.12	.4	67.	LOW	LOW	LOW	78.	0.
17 47 57	277.	21.	.45	130.	29.74	.12	.2	85.	LOW	LOW	LOW	79.	-1.

TIME H/M/S 06	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYAT/ ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AFB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
17 58 33	266.	21.	.46	138.	29.92	.14	.4	78.	LOW	LOW	LOW	80.	-1.
17 58 38	259.	21.	.37	132.	30.16	.17	.2	71.	LOW	LOW	LOW	82.	-0.
17 58 43	256.	21.	.34	150.	30.04	.10	.2	80.	LOW	LOW	LOW	78.	-0.
17 58 48	256.	21.	.33	168.	30.34	.07	.3	74.	LOW	LOW	LOW	80.	-0.
17 58 53	253.	22.	.37	132.	30.19	.03	.2	80.	LOW	LOW	LOW	81.	0.
17 58 58	257.	22.	.41	224.	30.10	.02	.2	80.	LOW	LOW	LOW	76.	-0.
17 59 3	256.	22.	.47	237.	29.92	.02	.1	84.	LOW	LOW	LOW	77.	-0.
17 59 8	260.	22.	.41	255.	30.10	-.05	.0	102.	LOW	LOW	LOW	77.	0.
17 59 13	259.	22.	.43	260.	30.04	-.03	.1	94.	LOW	LOW	LOW	78.	-0.
17 59 18	255.	22.	.59	275.	29.62	.15	.5	93.	LOW	LOW	LOW	75.	0.
17 59 23	259.	23.	.48	249.	29.86	.15	.5	81.	LOW	LOW	LOW	76.	-0.
17 59 28	260.	23.	.35	139.	30.16	.13	.4	69.	LOW	LOW	LOW	77.	0.
17 59 33	261.	22.	.49	194.	30.07	.11	.4	82.	LOW	LOW	LOW	76.	0.
17 59 38	258.	22.	.49	177.	30.22	.10	.2	83.	LOW	LOW	LOW	85.	1.
18 6 39	271.	11.	.52	163.	29.95	.07	.2	60.	LOW	LOW	LOW	85.	1.
18 6 44	276.	-1.	.20	145.	29.80	.03	.1	68.	LOW	LOW	LOW	75.	0.
18 6 49	279.	-0.	.09	156.	29.92	.05	.2	73.	LOW	LOW	LOW	78.	0.
18 6 54	270.	0.	.22	150.	29.96	.02	.2	89.	LOW	LOW	LOW	76.	-0.
18 6 59	271.	-0.	.28	156.	30.04	.04	.2	60.	LOW	LOW	LOW	80.	0.
18 7 4	270.	-0.	.08	147.	29.98	.06	.3	71.	LOW	LOW	LOW	68.	0.
18 7 9	269.	-0.	.15	139.	29.86	.03	.1	73.	LOW	LOW	LOW	83.	-0.
18 7 14	265.	0.	.14	149.	29.74	.00	.1	86.	LOW	LOW	LOW	84.	-2.
18 7 24	264.	-0.	.15	143.	29.74	.05	.1	78.	LOW	LOW	LOW	84.	-1.
18 7 39	255.	1.	-.04	171.	30.40	.05	.3	89.	LOW	LOW	LOW	74.	0.
18 7 44	256.	0.	.07	153.	30.07	.04	.3	82.	LOW	LOW	LOW	78.	0.
18 7 44	255.	0.	.02	103.	30.10	.01	.1	93.	LOW	LOW	LOW	78.	-0.
18 7 49	255.	0.	.05	161.	29.98	.01	.1	91.	LOW	LOW	LOW	80.	-0.
18 7 54	253.	-0.	.12	138.	29.92	.01	.0	73.	LOW	LOW	LOW	85.	0.
18 7 59	250.	-0.	.07	149.	30.04	.03	.2	83.	LOW	LOW	LOW	81.	0.
18 8 4	244.	-0.	.16	149.	29.62	.02	.2	84.	LOW	LOW	LOW	71.	-1.
18 8 9	245.	-0.	.13	146.	29.77	.04	.2	80.	LOW	LOW	LOW	72.	-0.
18 8 14	246.	-0.	.06	139.	29.92	.07	.2	81.	LOW	LOW	LOW	82.	1.
18 8 20	245.	-0.	.16	135.	29.77	.06	.1	87.	LOW	LOW	LOW	78.	0.
18 8 25	246.	-0.	.14	137.	29.7-	.03	.1	84.	LOW	LOW	LOW	78.	0.
18 8 30	245.	-0.	.19	157.	29.74	.03	.0	84.	LOW	LOW	LOW	81.	0.
18 20 38	181.	-0.	-.02	114.	29.92	.01	.3	125.	166.65	169.9	154.4	76.	-2.
18 20 43	181.	-0.	-.01	106.	30.04	.01	.2	119.	166.97	169.6	170.2	80.	-1.
18 21 9	183.	0.	.20	134.	29.74	.02	.1	112.	166.01	169.9	153.1	79.	0.
18 21 14	179.	-1.	.05	127.	30.01	-.05	.1	113.	166.65	171.2	191.3	82.	-1.
18 21 14	175.	-1.	-.10	136.	30.34	-.08	.0	128.	168.59	171.2	208.6	92.	-2.
18 21 19	175.	-1.	.01	130.	30.22	-.07	0.0	121.	166.59	171.2	178.5	88.	-1.
18 21 24	172.	-1.	-.33	120.	30.22	-.02	.1	127.	167.94	168.6	216.8	79.	-3.
18 21 29	172.	-1.	-.17	128.	30.13	-.03	.0	127.	169.55	168.9	223.2	80.	-2.
18 21 34	168.	1.	-.04	134.	30.16	-.02	.1	115.	167.94	169.2	225.1	80.	-0.
18 21 39	164.	0.	-.03	124.	30.07	-.04	.1	116.	166.65	168.3	242.7	81.	-0.
18 21 45	161.	-1.	.06	124.	29.86	.04	-.0	110.	164.71	166.6	217.5	87.	-1.
18 21 50	167.	-0.	.05	128.	29.89	.04	.1	113.	164.71	166.3	199.6	87.	-1.
18 21 55	168.	0.	.14	106.	29.80	-.01	.1	97.	164.71	166.6	182.8	94.	0.
18 22 0	166.	0.	.00	116.	30.28	.01	.1	99.	165.74	166.3	200.2	84.	0.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AIR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 66 PRESS STATIC SVC AR MA RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE THAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
18 22 5	165.	-1.	.12	110.	29.74	0.00	.3	117.	163.41	169.2	258.3	80.	-0.
18 22 10	164.	-0.	.19	109.	29.89	0.00	.1	106.	159.39	167.6	252.2	79.	-1.
18 22 15	164.	-0.	.16	117.	30.22	-.01	0.0	106.	164.00	166.6	260.3	72.	-0.
18 22 20	164.	-0.	.14	112.	30.25	-.01	.2	103.	164.38	166.3	268.2	71.	-0.
18 22 25	163.	-1.	.06	106.	30.16	.01	.2	94.	164.36	164.7	244.2	76.	0.
18 22 30	163.	-1.	.11	114.	30.10	.02	.1	99.	163.74	165.0	231.5	78.	-0.
18 22 35	165.	0.	.12	119.	30.28	.03	.2	115.	163.41	165.4	252.5	78.	-0.
18 22 40	163.	-0.	.09	122.	30.01	.02	.1	114.	163.39	164.4	228.0	61.	-0.
18 22 45	165.	0.	-.02	107.	29.96	.00	-.0	111.	163.41	164.7	180.2	65.	0.
18 22 50	166.	-0.	.11	116.	30.19	0.06	0.0	116.	162.76	166.3	181.9	85.	-0.
18 22 55	165.	-0.	.20	115.	29.96	.04	.2	125.	164.71	166.6	140.8	79.	-1.
18 23 0	164.	-0.	.18	116.	29.86	.03	.2	118.	164.38	166.6	179.8	76.	-1.

3 COMMUTATOR

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX MSUB NLET	EC 57 PRESS RAM AR PRIMRY MX MSUB NLET	EC 58 PRESS RAM AR PRIMRY MX MSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 5A PRESS STATIC PRIMRY MX HEADER OUTLET	EC 5B PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 29 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 15 TEMP CSD L/HEAD
16 19 3	0.00	-.51	.16	.09	.4	-.41	67.	LOW	LOW	LOW	LOW	71.	LOW
16 59 6	-.06	-.22	.18	.04	.1	-.30	67.	LOW	LOW	LOW	LOW	72.	LOW
16 19 13	-.04	0.00	.20	.04	-.1	-.29	67.	LOW	LOW	LOW	LOW	71.	LOW
16 19 31	-.02	.14	.06	.03	-.1	-.32	67.	LOW	LOW	LOW	LOW	72.	LOW
16 19 28	-.08	.23	.12	0.00	.2	-.39	68.	LOW	LOW	LOW	LOW	71.	LOW
16 19 33	-.39	.23	.06	.02	.2	-.37	66.	LOW	LOW	LOW	LOW	73.	LOW
16 19 53	-.04	.23	.04	.04	.1	-.19	63.	LOW	LOW	LOW	LOW	73.	LOW
16 19 38	-.20	.18	.20	.04	.6	-.44	66.	LOW	LOW	LOW	LOW	73.	LOW
16 19 43	-.12	.16	.20	.03	0.0	-.36	67.	LOW	LOW	LOW	LOW	73.	LOW
16 59 48	.10	.25	.18	.01	0.0	-.32	67.	LOW	LOW	LOW	LOW	73.	LOW
16 19 53	-.43	.04	.27	.04	-.1	-.41	66.	LOW	LOW	LOW	LOW	73.	LOW
16 59 58	-.29	.16	.25	.02	0.0	-.45	67.	LOW	LOW	LOW	LOW	73.	LOW
16 20 4	0.00	.27	.12	0.00	.1	-.35	66.	LOW	LOW	LOW	LOW	66.	LOW
16 20 9	-.35	.14	.13	.02	-.6	-.20	68.	LOW	LOW	LOW	LOW	69.	LOW
16 21 26	-.18	.39	.12	.04	.3	-.25	78.	LOW	LOW	LOW	LOW	73.	LOW
16 21 31	-.08	.35	.14	.03	.2	-.26	79.	LOW	LOW	LOW	LOW	73.	LOW
16 21 36	0.00	.16	.23	.05	.1	-.38	80.	LOW	LOW	LOW	LOW	76.	LOW
16 21 41	-.08	.08	.14	.05	.1	-.62	80.	LOW	LOW	LOW	LOW	75.	LOW
16 21 46	0.00	-.04	-.04	.01	-.6	-.12	76.	LOW	LOW	LOW	LOW	71.	LOW
16 21 51	-.20	.22	.04	.01	-.1	-.25	75.	LOW	LOW	LOW	LOW	72.	LOW
16 21 56	-.16	.08	-.08	.02	.3	-.25	74.	LOW	LOW	LOW	LOW	74.	LOW
16 22 1	-.33	-.16	.10	.02	.2	-.37	74.	LOW	LOW	LOW	LOW	73.	LOW
16 22 6	0.00	.23	.12	.03	.3	-.44	69.	LOW	LOW	LOW	LOW	71.	LOW
16 22 11	-.02	.10	.02	.07	.2	-.25	71.	LOW	LOW	LOW	LOW	70.	LOW
16 22 16	-.08	.43	-.08	.11	.3	0.00	69.	LOW	LOW	LOW	LOW	74.	LOW
16 22 21	-.04	.45	-.06	.13	.3	-.07	69.	LOW	LOW	LOW	LOW	72.	LOW
16 22 34	-.23	.47	0.00	.12	.4	0.00	71.	LOW	LOW	LOW	LOW	71.	LOW
16 22 36	-.22	.33	.06	.13	.2	-.19	71.	LOW	LOW	LOW	LOW	70.	LOW
16 22 41	-.27	.35	.12	.15	.2	-.16	70.	LOW	LOW	LOW	LOW	73.	LOW
16 22 46	-.39	.16	.19	.11	.1	-.15	70.	LOW	LOW	LOW	LOW	73.	LOW
16 22 51	-.20	.43	.16	.14	.4	-.21	71.	LOW	LOW	LOW	LOW	74.	LOW
16 22 56	-.37	.29	.06	.14	.3	-.16	71.	LOW	LOW	LOW	LOW	74.	LOW
16 23 1	-.04	.20	.23	.15	.3	-.25	67.	LOW	LOW	LOW	LOW	71.	LOW
16 23 9	-.08	.12	.20	.15	.2	-.21	66.	LOW	LOW	LOW	LOW	71.	LOW
16 23 6	-.04	.08	.23	.16	.3	-.12	67.	LOW	LOW	LOW	LOW	71.	LOW
16 23 11	-.12	.18	.23	.17	.3	-.13	66.	LOW	LOW	LOW	LOW	67.	LOW
16 23 16	-.08	-.43	-.04	.13	.1	-.00	70.	LOW	LOW	LOW	LOW	74.	LOW
16 23 21	-.16	-.16	-.10	.12	.2	-.09	69.	LOW	LOW	LOW	LOW	73.	LOW
16 23 26	.08	.16	-.08	.15	.1	.09	69.	LOW	LOW	LOW	LOW	72.	LOW
16 23 32	-.29	.27	.02	.13	.2	.04	68.	LOW	LOW	LOW	LOW	72.	LOW
16 63 37	-.08	.27	.31	.15	.3	0.00	67.	LOW	LOW	LOW	LOW	71.	LOW
16 23 42	-.14	.25	.22	.14	.2	.01	66.	LOW	LOW	LOW	LOW	71.	LOW
16 23 47	-.16	.12	.27	.15	.3	-.30	69.	LOW	LOW	LOW	LOW	73.	LOW
16 23 52	-.08	.02	.16	.15	.3	-.25	68.	LOW	LOW	LOW	LOW	72.	LOW
16 23 57	.31	-.04	.23	.07	.2	-.10	69.	LOW	LOW	LOW	LOW	73.	LOW

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX HSUB NLET	EC 57 PRESS RAM AR PRIMRY MX HSUB NLET	EC 58 PRESS RAM AR PRIMRY MX HSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 60 PRESS STATIC PRIMRY MX HEADER OUTLET	EC 61 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 25 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 35 DEG	PR 26 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
16 38 34	0.00	.14	.18	.11	.2	-.07	69.	LOW	LOW	LOW	LOW	73.	LOW
16 38 39	.12	.31	.08	.17	.3	-.21	69.	LOW	LOW	LOW	LOW	71.	LOW
16 38 44	.04	.00	.08	.17	-.2	-.26	69.	LOW	LOW	LOW	LOW	74.	LOW
16 38 49	-.00	.27	.12	.15	0.0	-.29	69.	LOW	LOW	LOW	LOW	71.	LOW
16 38 54	-.08	.24	.08	.17	-.1	-.16	69.	LOW	LOW	LOW	LOW	70.	LOW
16 38 59	0.00	.23	0.00	.16	.4	-.09	67.	LOW	LOW	LOW	LOW	70.	LOW
16 39 4	-.02	.28	.00	.17	.2	-.01	69.	LOW	LOW	LOW	LOW	73.	LOW
16 39 9	-.20	.31	.27	.20	-.6	.16	66.	LOW	LOW	LOW	LOW	71.	LOW
16 39 14	-.07	.22	.12	.19	-.2	-.16	66.	LOW	LOW	LOW	LOW	71.	LOW
16 39 19	-.16	.12	.23	.17	-.0	-.06	67.	LOW	LOW	LOW	LOW	71.	LOW
16 39 24	-.12	.05	.12	.10	.1	.05	66.	LOW	LOW	LOW	LOW	70.	LOW
16 39 29	0.00	.16	.08	.15	0.0	0.00	74.	LOW	LOW	LOW	LOW	70.	LOW
16 39 34	-.06	.10	.04	.16	.1	.07	76.	LOW	LOW	LOW	LOW	72.	LOW
16 39 39	0.00	.12	0.00	.19	.2	.09	73.	LOW	LOW	LOW	LOW	71.	LOW
16 39 44	-.16	.12	.08	.14	.1	.07	74.	LOW	LOW	LOW	LOW	71.	LOW
16 39 49	-.12	0.00	.23	.14	.4	0.00	82.	LOW	LOW	LOW	LOW	72.	LOW
16 39 59	.02	.00	.16	.15	.4	-.05	80.	LOW	LOW	LOW	LOW	71.	LOW
16 40 4	-.20	0.00	.12	.14	.1	-.18	76.	LOW	LOW	LOW	LOW	71.	LOW
16 40 9	-.10	.10	.00	.15	.2	-.05	78.	LOW	LOW	LOW	LOW	63.	LOW
16 40 9	.12	.35	0.00	.18	-.8	-.05	80.	LOW	LOW	LOW	LOW	67.	LOW
16 40 14	.06	.22	-.10	.16	-.3	-.12	81.	LOW	LOW	LOW	LOW	74.	LOW
16 40 19	-.08	-.08	.16	.15	.0	.03	80.	LOW	LOW	LOW	LOW	75.	LOW
16 40 29	.02	.12	.08	.15	.0	-.07	82.	LOW	LOW	LOW	LOW	73.	LOW
16 40 34	.08	.27	-.04	.17	-.1	0.00	97.	LOW	LOW	LOW	LOW	73.	LOW
16 40 34	.04	.27	.02	.17	.1	-.12	87.	LOW	LOW	LOW	LOW	73.	LOW
16 46 33	-.06	.16	.20	.17	-.0	.09	106.	52.	61.	-19.	LOW	74.	LOW
16 46 38	-.49	.14	.16	.18	0.0	0.00	106.	15.	60.	*737850.	71.	70.	159.
16 46 43	-.04	.16	.20	.19	.2	0.00	109.	-19.	56.	848.	71.	71.	156.
16 46 53	-.08	.16	.16	.18	-.1	.04	110.	-51.	58.	848.	71.	71.	169.
16 46 53	-.23	.04	.04	.10	.2	0.00	113.	-35.	63.	LOW	70.	71.	156.
16 46 58	-.20	.02	-.02	.19	.2	.03	111.	-39.	61.	LOW	72.	71.	149.
16 47 3	.04	.23	-.16	.20	.1	0.00	108.	-61.	54.	LOW	70.	72.	155.
16 47 8	-.08	.10	-.18	.19	.2	0.00	107.	-84.	56.	LOW	71.	72.	103.
16 47 13	-.08	.25	.12	.17	.1	-.25	110.	-66.	59.	LOW	69.	69.	163.
16 47 23	-.47	.20	.20	.17	.1	-.10	105.	-42.	59.	LOW	72.	72.	152.
16 47 28	-.18	.08	-.04	.17	.4	.21	103.	211.	56.	LOW	73.	71.	153.
16 47 28	-.16	.18	.02	.17	.1	.19	104.	440.	58.	*000000.	74.	71.	155.
16 47 33	-.08	.23	.12	.16	-.0	.16	105.	648.	58.	848.	72.	71.	100.
16 47 38	-.03	.14	.08	.10	.0	.18	104.	848.	59.	848.	69.	75.	164.
16 47 43	-.18	-.04	.16	.17	.3	.20	101.	767.	56.	848.	70.	74.	168.
16 47 48	-.02	-.04	.10	.17	.2	.16	102.	847.	63.	848.	73.	69.	163.
16 47 53	.08	.39	.08	.18	.1	-.09	101.	848.	61.	848.	71.	72.	167.
16 47 58	0.00	.20	-.02	.18	.2	-.15	101.	848.	63.	848.	72.	70.	166.
16 48 4	-.08	.27	.16	.15	.1	.29	103.	848.	65.	848.	70.	69.	162.
16 48 9	-.14	.14	.14	.17	.2	.23	104.	848.	67.	848.	68.	74.	169.
16 48 14	0.00	.08	-.04	.19	.2	0.00	102.	848.	65.	848.	69.	75.	170.
16 48 19	-.08	.14	.02	.17	.2	.04	104.	848.	64.	848.	72.	67.	162.
16 48 24	-.94	.31	.23	.15	.4	.09	106.	848.	63.	848.	71.	70.	165.
16 48 29	-.47	.23	.02	.17	.2	.06	105.	848.	61.	848.	70.	76.	172.
									63.	848.	72.	77.	175.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 62 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
16 48 34	.08	.27	-.04	.16	0.0	-.3[illegible]	1[illegible].	848.	64.	848.	69.	74.	174.
16 48 39	-.11	.29	.08	.15	.1	-.1[illegible]	1[illegible].	848.	63.	848.	69.	76.	176.
16 48 44	-.08	.16	.04	.17	.3	.2[illegible]	1[illegible].	848.	64.	848.	71.	68.	169.
16 48 49	-.06	.08	.04	.17	.3	.1[illegible]	1[illegible].	848.	65.	848.	71.	69.	164.
16 48 54	.04	.31	-.08	.17	.1	0.0[illegible]	1[illegible].	848.	76.	848.	74.	69.	168.
16 49 59	0.00	.10	-.10	.18	.1	-.04	1[illegible].	848.	72.	848.	73.	71.	172.
16 49 4	-.11	.35	.20	.13	.2	.03	1[illegible].	848.	64.	848.	67.	69.	170.
16 49 9	-.04	.18	.10	.15	.3	0.00	111.	848.	63.	848.	67.	72.	172.
16 49 14	-.12	0.00	-.08	.16	-.2	.09	111.	848.	69.	848.	81.	69.	173.
16 49 19	-.23	-.20	.12	.16	-.1	.1[illegible]	111.	848.	67.	848.	76.	70.	172.
16 49 29	0.00	-.04	-.04	.20	.4	.0[illegible]	112.	848.	67.	848.	71.	66.	167.
16 49 29	-.06	.12	.02	.18	.2	.03	114.	848.	65.	848.	69.	69.	171.
16 49 34	0.00	.27	0.00	.17	.2	0.0[illegible]	113.	848.	55.	848.	70.	74.	176.
16 49 39	-.08	.22	0.00	.16	.1	0.0[illegible]	112.	848.	64.	848.	70.	72.	173.
16 49 52	-.12	0.00	0.00	.15	-.0	-.1[illegible]	110.	848.	66.	848.	74.	68.	176.
16 49 49	-.31	.20	0.00	.13	.1	-.1[illegible]	115.	848.	67.	848.	73.	67.	172.
16 49 59	-.20	-.47	-.16	.18	.2	-.03	119.	848.	61.	848.	69.	76.	187.
16 50 4	-.16	-.27	-.18	.17	.2	-.13	117.	848.	61.	848.	69.	73.	181.
16 50 9	-.16	.04	.04	.14	0.0	-.59	117.	848.	65.	848.	73.	73.	184.
16 50 9	-.16	.16	.08	.13	.1	-.25	118.	848.	65.	848.	73.	74.	185.
16 50 14	-.12	-.08	.12	.17	.3	0.0[illegible]	119.	848.	63.	848.	69.	71.	175.
16 50 19	-.25	-.04	.02	.17	.3	-.01	119.	848.	65.	848.	70.	70.	174.
16 50 24	0.00	.27	0.00	.17	.0	-.12	117.	848.	64.	848.	73.	71.	172.
16 50 29	-.12	.14	-.02	.19	.1	.05	120.	848.	64.	848.	72.	71.	175.
16 50 34	.04	.16	0.00	.17	.3	-.09	117.	848.	61.	848.	71.	69.	175.
16 50 40	.04	.18	-.23	.16	.2	-.05	121.	848.	61.	848.	74.	71.	179.
16 50 45	-.16	.04	-.08	.21	.4	.03	119.	848.	65.	848.	73.	69.	178.
16 50 50	-.14	.06	.04	.17	.3	.16	117.	848.	65.	848.	71.	68.	174.
16 50 55	-.23	.12	0.00	.17	.2	.14	121.	848.	63.	848.	71.	76.	187.
16 51 0	-.14	.04	.16	.17	.3	.06	118.	848.	64.	848.	71.	72.	182.
16 51 13	-.55	.27	.12	.14	.1	-.15	123.	848.	65.	848.	72.	68.	171.
16 51 10	-.39	.14	.06	.15	.2	-.03	123.	848.	64.	848.	70.	72.	176.
16 51 15	0.00	-.23	.04	.17	.1	0.00	123.	848.	69.	848.	74.	74.	192.
16 51 20	-.22	-.02	.02	.16	.1	-.13	120.	848.	65.	848.	71.	70.	187.
16 51 25	.18	.04	0.00	.17	.2	-.23	127.	848.	67.	848.	72.	74.	187.
16 51 30	-.37	.06	.06	.16	.2	-.10	124.	*0000.0.	*0000.0.	*0.0000.	*0.0000.	72.	*0000.0.
16 51 35	.04	0.00	0.00	.15	.4	-.06	129.	LOW	LOW	LOW	LOW	75.	LOW
16 51 40	-.12	-.08	-.04	.13	.3	-.03	126.	LOW	LOW	LOW	LOW	71.	LOW
16 51 45	-.18	.12	-.20	.16	.2	-.25	126.	LOW	LOW	LOW	LOW	73.	LOW
16 51 50	-.16	.14	-.14	.13	.1	-.26	127.	LOW	LOW	LOW	LOW	71.	LOW
16 51 55	-.74	-.04	-.20	.15	.2	-.06	126.	LOW	LOW	LOW	LOW	75.	LOW
16 52 0	-.47	.04	-.20	.15	.1	-.1[illegible]	127.	LOW	LOW	LOW	LOW	72.	LOW
16 52 5	-.23	.12	.04	.07	.1	.04	124.	LOW	LOW	LOW	LOW	72.	LOW
16 52 10	-.20	.18	.08	.11	.0	.23	125.	LOW	LOW	LOW	LOW	74.	LOW
16 52 15	-.47	-.16	-.04	.18	.4	.2[illegible]	126.	LOW	LOW	LOW	LOW	73.	LOW
16 52 20	-.33	-.08	-.02	.16	.4	-.0[illegible]	128.	LOW	LOW	LOW	LOW	71.	LOW
16 52 25	0.00	.08	.16	.18	.2	.05	128.	LOW	LOW	LOW	LOW	78.	LOW
16 52 35	-.12	.04	.12	.18	-.1	.01	126.	LOW	LOW	LOW	LOW	73.	LOW
16 52 40	0.00	.20	0.00	.20	.1	.06	128.	LOW	LOW	LOW	LOW	76.	LOW

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX MSUB NLET	EC 57 PRESS RAM AR PRIMRY HX MSUB NLET	EC 58 PRESS RAM AR PRIMRY HX MSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
16 52 45	-.02	.10	.04	.18	.1	.03	126.	LOW	LOW	LOW	LOW	71.	LOW
16 52 45	-.26	.04	0.00	.18	.1	.16	129.	LOW	LOW	LOW	LOW	74.	LOW
16 52 50	-.12	.20	.08	.16	.2	-.04	128.	LOW	LOW	LOW	LOW	73.	LOW
16 52 55	-.12	.35	0.00	.17	.1	-.06	125.	LOW	LOW	LOW	LOW	63.	LOW
16 53 0	-.22	.37	0.00	.17	.0	-.06	127.	LOW	LOW	LOW	LOW	70.	LOW
16 53 13	.06	.04	.12	.17	.3	-.09	124.	LOW	LOW	LOW	LOW	74.	LOW
16 53 10	.04	.10	-.02	.18	.1	-.12	125.	LOW	LOW	LOW	LOW	74.	LOW
16 53 16	-.18	.16	.04	.15	.1	-.03	125.	LOW	LOW	LOW	LOW	73.	LOW
16 53 21	-.20	.08	-.06	.16	-.1	-.09	126.	LOW	LOW	LOW	LOW	74.	LOW
16 53 26	0.00	.16	.12	.15	0.0	-.05	126.	LOW	LOW	LOW	LOW	63.	LOW
16 53 31	-.33	.25	.06	.16	-.0	-.01	122.	LOW	LOW	LOW	LOW	64.	LOW
16 53 36	0.00	.16	-.04	.15	.3	0.00	132.	LOW	LOW	LOW	LOW	78.	LOW
16 53 41	-.22	.12	.10	.15	.1	-.10	130.	LOW	LOW	LOW	LOW	75.	LOW
16 53 46	-.18	-.23	-.16	.17	.1	-.36	129.	LOW	LOW	LOW	LOW	74.	LOW
16 53 51	-.05	-.33	-.12	.15	.2	-.34	131.	LOW	LOW	LOW	LOW	73.	LOW
16 53 56	0.00	.04	-.04	.22	-.0	-.25	128.	LOW	LOW	LOW	LOW	65.	LOW
16 54 1	-.14	-.08	-.10	.17	.1	-.12	129.	LOW	LOW	LOW	LOW	68.	LOW
16 54 6	-.43	-.12	-.04	.14	.1	-.03	131.	LOW	LOW	LOW	LOW	69.	LOW
16 54 11	-.22	.10	-.02	.15	.2	-.04	131.	LOW	LOW	LOW	LOW	73.	LOW
16 54 16	.18	.08	.04	.16	.2	-.03	128.	LOW	LOW	LOW	LOW	72.	LOW
16 54 21	-.04	.02	-.02	.15	.2	-.16	128.	LOW	LOW	LOW	LOW	74.	LOW
16 54 26	-.20	-.16	.12	.07	.1	.12	127.	LOW	LOW	LOW	LOW	76.	LOW
16 54 31	-.20	.04	-.12	.11	.1	.04	127.	LOW	LOW	LOW	LOW	70.	LOW
16 54 36	-.04	.27	.12	.18	.1	-.21	129.	LOW	LOW	LOW	LOW	74.	LOW
16 54 41	-.14	.20	.10	.16	.1	-.09	130.	LOW	LOW	LOW	LOW	71.	LOW
16 54 46	-.06	.23	.04	.19	.1	-.20	137.	LOW	LOW	LOW	LOW	72.	LOW
16 54 51	0.00	.10	0.00	.18	.1	-.26	135.	LOW	LOW	LOW	LOW	68.	LOW
16 54 56	-.04	.47	.20	.16	-.0	-.06	139.	LOW	LOW	LOW	LOW	74.	LOW
16 55 1	-.27	.31	.14	.15	.0	-.04	138.	LOW	LOW	LOW	LOW	72.	LOW
16 55 6	.06	-.06	0.00	.14	.2	-.12	134.	LOW	LOW	LOW	LOW	65.	LOW
16 56 9	.04	-.31	.06	.15	.1	-.09	135.	LOW	LOW	LOW	LOW	68.	LOW
16 56 19	-.16	.31	-.12	.14	.3	.05	139.	LOW	LOW	LOW	LOW	67.	LOW
16 56 24	-.10	.27	-.04	.14	.1	-.03	141.	LOW	LOW	LOW	LOW	70.	LOW
16 56 29	-.06	.23	.23	.13	-.0	0.00	141.	LOW	LOW	LOW	LOW	65.	LOW
16 56 29	-.29	.25	.20	.15	.0	0.01	142.	LOW	LOW	LOW	LOW	64.	LOW
16 56 34	-.16	.27	.04	.12	.1	-.09	143.	LOW	LOW	LOW	LOW	77.	LOW
16 56 39	-.18	.12	.10	.12	.1	-.07	144.	LOW	LOW	LOW	LOW	75.	LOW
16 55 49	0.00	-.04	.20	.15	.1	0.01	147.	LOW	LOW	LOW	LOW	78.	LOW
16 56 54	0.00	-.02	.12	.15	.1	-.01	145.	LOW	LOW	LOW	LOW	72.	LOW
16 56 59	.06	-.08	0.00	.15	.0	-.05	141.	LOW	LOW	LOW	LOW	70.	LOW
16 56 59	-.04	.16	.04	.15	.1	.01	138.	LOW	LOW	LOW	LOW	72.	LOW
16 57 4	-.06	.23	.27	.13	-.1	.09	144.	LOW	LOW	LOW	LOW	73.	LOW
16 57 9	-.06	.27	.18	.13	-.2	.06	145.	LOW	LOW	LOW	LOW	71.	LOW
16 57 14	-.04	-.04	0.00	.13	.2	.12	145.	LOW	LOW	LOW	LOW	65.	LOW
16 57 19	.02	.04	.04	.13	.3	.06	144.	LOW	LOW	LOW	LOW	65.	LOW
16 57 24	-.18	.04	.20	.13	.0	.15	136.	LOW	LOW	LOW	LOW	74.	LOW
16 57 30	-.41	.20	.18	.13	0.0	.15	134.	LOW	LOW	LOW	LOW	73.	LOW
16 57 35	-.18	.12	.12	.13	.1	.15	132.	LOW	LOW	LOW	LOW	74.	LOW
16 57 40	-.11	.27	.16	.15	.1	.19	132.	LOW	LOW	LOW	LOW	73.	LOW

TIME H/M/S	EC 56 PRESS RAM AF PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 61 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
16 57 45	-.27	.35	-.08	.15	.1	0.00	129.	LOW	LOW	LOW	LOW	69.	LOW
16 57 50	-.16	.27	-.08	.13	.2	-.26	128.	LOW	LOW	LOW	LOW	70.	LOW
16 57 55	-.18	-.06	.12	.15	.1	-.03	126.	LOW	LOW	LOW	LOW	77.	LOW
16 58 0	-.16	-.06	.06	.13	.1	.06	126.	LOW	LOW	LOW	LOW	73.	LOW
16 58 5	-.08	.31	.16	.14	0.0	-.05	126.	LOW	LOW	LOW	LOW	74.	LOW
16 58 10	-.06	.37	.14	.14	.0	-.14	125.	LOW	LOW	LOW	LOW	71.	LOW
16 58 15	-.04	.23	0.00	.13	-.1	0.00	125.	LOW	LOW	LOW	LOW	72.	LOW
16 58 20	0.00	.29	.02	.15	.2	.01	125.	LOW	LOW	LOW	LOW	73.	LOW
16 58 25	0.00	0.00	-.31	.15	.4	.23	125.	LOW	LOW	LOW	LOW	67.	LOW
16 58 30	0.00	-.12	-.12	.13	.3	.06	128.	LOW	LOW	LOW	LOW	68.	LOW
16 58 35	-.01	.20	0.00	.15	.3	-.06	130.	LOW	LOW	LOW	LOW	67.	LOW
16 58 40	-.22	.16	-.02	.12	.2	.01	131.	LOW	LOW	LOW	LOW	68.	LOW
16 58 45	.12	.08	.04	.10	.2	0.00	132.	LOW	LOW	LOW	LOW	65.	LOW
16 58 55	.02	.06	.04	.14	.3	-.09	129.	LOW	LOW	LOW	LOW	67.	LOW
16 59 0	0.00	.12	0.00	.15	.1	-.15	129.	LOW	LOW	LOW	LOW	77.	LOW
16 59 0	.08	.16	.04	.15	.1	-.14	127.	LOW	LOW	LOW	LOW	72.	LOW
16 59 5	.04	.47	-.03	.16	.3	.12	123.	LOW	LOW	LOW	LOW	73.	LOW
16 59 10	-.20	.47	.08	.16	.2	.15	124.	LOW	LOW	LOW	LOW	69.	LOW
16 59 15	-.08	-.04	.16	.13	.3	-.47	121.	LOW	LOW	LOW	LOW	63.	LOW
16 59 25	-.12	-.12	.10	.13	.3	-.29	123.	LOW	LOW	LOW	LOW	69.	LOW
16 59 30	-.20	.08	.08	.12	.4	.03	119.	LOW	LOW	LOW	LOW	69.	LOW
16 59 35	-.10	.23	.04	.12	.3	.03	118.	LOW	LOW	LOW	LOW	71.	LOW
16 59 35	0.00	.08	0.00	.16	.1	0.01	124.	LOW	LOW	LOW	LOW	73.	LOW
16 59 40	-.08	-.25	.02	.14	.1	-.01	122.	LOW	LOW	LOW	LOW	74.	LOW
16 59 45	0.00	.06	-.04	.15	.1	-.01	120.	LOW	LOW	LOW	LOW	68.	LOW
16 59 50	-.08	.08	.02	.14	.0	.03	119.	LOW	LOW	LOW	LOW	70.	LOW
16 59 55	.04	.20	0.00	.14	.1	0.00	121.	LOW	LOW	LOW	LOW	78.	LOW
17 0 0	-.06	.23	0.00	.13	.2	-.07	122.	LOW	LOW	LOW	LOW	75.	LOW
17 45 23	.31	.47	.31	.15	.3	.53	90.	LOW	LOW	LOW	LOW	71.	LOW
17 45 28	.16	.39	.22	.14	.3	.47	90.	LOW	LOW	LOW	LOW	69.	LOW
17 45 33	-.18	0.00	0.00	.12	.2	.25	94.	LOW	LOW	LOW	LOW	66.	LOW
17 45 39	-.12	.04	.12	.11	.1	.32	94.	LOW	LOW	LOW	LOW	69.	LOW
17 45 44	0.00	0.00	0.00	.15	-.0	0.01	94.	LOW	LOW	LOW	LOW	66.	LOW
17 45 49	.08	.14	.16	.15	-.0	.19	90.	LOW	LOW	LOW	LOW	66.	LOW
17 45 54	-.47	.06	0.00	.13	.1	.25	97.	LOW	LOW	LOW	LOW	75.	LOW
17 45 59	-.23	0.00	-.02	.15	.2	.19	95.	LOW	LOW	LOW	LOW	73.	LOW
17 46 4	0.00	.08	0.00	.17	.3	.16	92.	LOW	LOW	LOW	LOW	73.	LOW
17 46 9	.02	.14	0.00	.16	.3	.13	93.	LOW	LOW	LOW	LOW	72.	LOW
17 46 14	.35	.27	.08	.18	.3	.16	92.	LOW	LOW	LOW	LOW	76.	LOW
17 46 19	.16	.25	.04	.17	.2	.07	93.	LOW	LOW	LOW	LOW	74.	LOW
17 46 32	0.00	.39	.20	.13	.1	.47	90.	LOW	LOW	LOW	LOW	74.	LOW
17 46 29	.18	.23	.10	.15	.2	.32	90.	LOW	LOW	LOW	LOW	74.	LOW
17 46 34	.12	.43	.27	.15	0.0	.41	91.	LOW	LOW	LOW	LOW	67.	LOW
17 46 39	.04	.35	.25	.15	.0	.44	93.	LOW	LOW	LOW	LOW	70.	LOW
17 47 37	-.14	0.00	.08	.12	.1	.35	94.	LOW	LOW	LOW	LOW	71.	LOW
17 47 42	.02	.20	.18	.13	.1	.41	92.	LOW	LOW	LOW	LOW	71.	LOW
17 47 47	-.04	-.08	.12	.15	.2	.16	64.	LOW	LOW	LOW	LOW	70.	LOW
17 47 52	-.18	.16	.20	.14	.1	.29	69.	LOW	LOW	LOW	LOW	70.	LOW
17 47 57	-.20	-.20	-.04	.14	.2	.00	95.	LOW	LOW	LOW	LOW	76.	LOW

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/M	PR 25 TEMP SURFAC AUX LIP L/M	PR 27A TEMP SURFAC COWL LIP L/M 25 DEG	PR 27B TEMP SURFAC COWL LIP L/M 99 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
17 58 33	-.18	-.10	.04	.11	.2	.37	94.	LOW	LOW	LOW	LOW	75.	LOW
17 58 38	-.18	-.04	-.04	.14	.1	.29	93.	LOW	LOW	LOW	LOW	66.	LOW
17 58 43	-.04	.12	0.00	.07	.2	.19	94.	LOW	LOW	LOW	LOW	69.	LOW
17 58 48	-.20	.12	-.04	.00	.0	.29	92.	LOW	LOW	LOW	LOW	65.	LOW
17 58 53	-.14	.10	-.10	.02	.1	.15	92.	LOW	LOW	LOW	LOW	69.	LOW
17 58 58	-.18	-.27	-.16	.05	.3	.06	90.	LOW	LOW	LOW	LOW	73.	LOW
17 59 3	.04	.08	.04	.05	.1	.13	90.	LOW	LOW	LOW	LOW	73.	LOW
17 59 8	.08	.31	.47	.04	.3	.15	94.	LOW	LOW	LOW	LOW	78.	LOW
17 59 13	-.14	.31	.37	.02	-.3	.26	94.	LOW	LOW	LOW	LOW	74.	LOW
17 59 18	.08	.27	.55	.14	.1	.65	93.	LOW	LOW	LOW	LOW	67.	LOW
17 59 23	-.04	.16	.33	.14	.1	.60	94.	LOW	LOW	LOW	LOW	72.	LOW
17 59 28	-.12	.04	.08	.13	.1	.35	91.	LOW	LOW	LOW	LOW	71.	LOW
17 59 33	.08	-.12	.14	.14	.1	.43	92.	LOW	LOW	LOW	LOW	74.	LOW
17 59 38	.18	.31	.04	.17	.3	.19	93.	LOW	LOW	LOW	LOW	66.	LOW
18 6 39	.06	.16	0.00	.10	.2	.16	65.	LOW	LOW	LOW	LOW	69.	LOW
18 6 44	.23	.12	0.00	.05	.3	.06	74.	LOW	LOW	LOW	LOW	71.	LOW
18 6 49	.10	.25	.06	.03	.2	.23	77.	LOW	LOW	LOW	LOW	73.	LOW
18 6 54	.04	.43	.23	.03	.2	.35	76.	LOW	LOW	LOW	LOW	72.	LOW
18 6 59	-.04	.22	.10	.01	.3	.31	77.	LOW	LOW	LOW	LOW	73.	LOW
18 7 4	-.04	0.00	.04	.02	.1	.26	78.	LOW	LOW	LOW	LOW	73.	LOW
18 7 9	.06	.16	.02	.03	.1	.20	79.	LOW	LOW	LOW	LOW	74.	LOW
18 7 14	.18	.27	.23	.01	-.1	.12	78.	LOW	LOW	LOW	LOW	72.	LOW
18 7 24	.08	.20	.12	.03	.0	-.04	76.	LOW	LOW	LOW	LOW	72.	LOW
18 7 39	-.12	.20	.15	0.00	-.2	.47	76.	LOW	LOW	LOW	LOW	72.	LOW
18 7 44	-.04	-.18	.08	.02	.0	.28	78.	LOW	LOW	LOW	LOW	73.	LOW
18 7 44	.12	.31	.31	0.00	-.1	.21	80.	LOW	LOW	LOW	LOW	74.	LOW
18 7 49	.16	.29	.31	.01	-.1	.22	80.	LOW	LOW	LOW	LOW	74.	LOW
18 7 54	-.04	.20	0.00	.05	.1	.09	80.	LOW	LOW	LOW	LOW	72.	LOW
18 7 59	-.02	.27	.12	.03	.0	.22	79.	LOW	LOW	LOW	LOW	72.	LOW
18 8 4	0.00	.20	.08	.05	.2	.19	76.	LOW	LOW	LOW	LOW	72.	LOW
18 8 9	-.23	.12	.08	.03	.1	.26	77.	LOW	LOW	LOW	LOW	72.	LOW
18 8 14	0.00	-.04	-.04	.07	.2	.32	79.	LOW	LOW	LOW	LOW	73.	LOW
18 8 20	0.00	.04	.04	.05	.2	.31	78.	LOW	LOW	LOW	LOW	73.	LOW
18 8 25	0.00	.08	.04	.05	.3	.12	80.	LOW	LOW	LOW	LOW	76.	LOW
18 8 30	.08	-.20	.05	.04	.2	.10	79.	LOW	LOW	LOW	LOW	74.	LOW
18 20 38	-.35	.31	-.04	.04	.2	.10	72.	848.	69.	LOW	69.	74.	239.
18 20 43	-.22	.31	0.00	.04	.3	.31	72.	848.	67.	LOW	69.	75.	239.
18 21 9	0.00	-.04	.16	.06	-.1	.41	72.	848.	69.	LOW	71.	74.	239.
18 21 14	-.20	-.35	-.02	.03	-.1	.37	75.	848.	73.	*000000.	74.	77.	241.
18 21 14	-.51	-.51	-.16	.01	-.0	.15	79.	848.	78.	78.	77.	80.	244.
18 21 19	-.33	-.33	-.04	.00	-.2	.31	79.	848.	77.	77.	76.	81.	243.
18 21 24	-.31	-.31	-.35	.02	.1	.21	77.	848.	73.	74.	74.	78.	242.
18 21 29	-.20	-.16	.06	.01	.0	.25	76.	848.	73.	74.	73.	78.	241.
18 21 34	-.04	-.04	.16	-.01	-.1	.50	75.	848.	71.	70.	72.	74.	237.
18 21 39	-.04	.12	.15	0.00	-.1	.49	73.	848.	71.	71.	72.	74.	236.
18 21 45	-.43	-.16	-.20	.04	.2	.29	73.	848.	71.	69.	69.	73.	236.
18 21 50	-.37	-.16	-.06	.04	.1	.35	73.	848.	70.	70.	70.	74.	235.
18 21 55	-.08	.16	.23	.00	-.1	.35	73.	848.	70.	71.	69.	74.	235.
18 22 0	-.02	.33	.08	.01	-.1	.35	71.	848.	70.	70.	69.	73.	233.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX MSUB NLET	EC 57 PRESS RAM AR PRIMRY MX MSUB NLET	EC 58 PRESS RAM AR PRIMRY MX MSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 60 PRESS STATIC PRIMRY MX HEADER OUTLET	EC 61 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFACE AUX LIP L/H	PR 27A TEMP SURFACE COWL LIP L/H 25 DEG	PR 27B TEMP SURFACE COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
18 22 5	-.20	-.31	.04	.02	-.0	.71	69.	848.	65.	67.	67.	71.	233.
18 22 10	-.12	-.18	.15	.01	-.1	.57	70.	848.	66.	68.	65.	72.	232.
18 22 15	-.04	.35	.08	.00	-.0	.53	53.	848.	69.	68.	68.	73.	230.
18 22 20	-.27	.18	.10	.02	.1	.59	61.	848.	65.	68.	67.	73.	231.
18 22 25	-.01	.00	.20	.02	.1	.50	59.	848.	64.	66.	68.	71.	237.
18 22 30	-.22	.23	.27	.04	.0	.50	59.	848.	69.	66.	68.	72.	233.
18 22 35	0.00	.16	.39	.04	.0	.32	59.	848.	63.	66.	67.	72.	232.
18 22 40	0.00	.22	.31	.03	.0	.35	70.	848.	69.	68.	68.	73.	232.
18 22 45	-.27	-.06	.08	.04	.2	.62	72.	848.	70.	69.	69.	73.	233.
18 22 50	-.14	.06	.10	.03	.1	.34	71.	848.	70.	69.	69.	73.	234.
18 22 55	.04	.04	0.00	.03	-.1	.21	72.	848.	71.	71.	69.	74.	236.
18 23 0	-.31	.23	-.20	.05	0.0	.32	71.	848.	69.	70.	69.	74.	235.

COMMUTATOR

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 16 PRESS FUEL OIL COOLER OUTLET L/HENG
16 19 3	LOW	LOW	LOW	67.	71.	-23.	7.8	95.7	73.	102.	20.	.13	0.
16 59 8	LOW	LOW	LOW	66.	71.	-22.	5.1	96.8	61.	101.	24.	.14	-1.
16 19 13	LOW	LOW	LOW	66.	70.	-19.	5.9	95.7	68.	101.	26.	.22	-1.
16 19 31	LOW	LOW	LOW	68.	70.	-20.	5.4	96.4	32.	101.	10.	.15	-3.
16 19 28	LOW	LOW	LOW	65.	71.	-19.	6.4	96.5	-3.	101.	29.	.26	-2.
16 19 33	LOW	LOW	LOW	67.	71.	-20.	6.6	96.3	17.	101.	49.	.22	1.
16 19 33	LOW	LOW	LOW	68.	69.	-23.	5.4	94.9	34.	102.	0.	.10	-0.
16 19 38	LOW	LOW	LOW	68.	69.	-22.	5.6	95.7	37.	101.	7.	.10	2.
16 19 43	LOW	LOW	LOW	67.	70.	-23.	5.4	96.3	34.	98.	15.	.12	5.
16 59 48	LOW	LOW	LOW	67.	70.	-25.	6.1	96.2	51.	100.	7.	.15	5.
16 19 53	LOW	LOW	LOW	63.	71.	-25.	5.8	95.2	137.	99.	5.	.21	2.
16 59 58	LOW	LOW	LOW	65.	70.	-24.	5.1	95.0	117.	100.	5.	.23	-3.
16 20 4	LOW	LOW	LOW	69.	70.	-18.	4.4	94.9	73.	101.	39.	.16	2.
16 20 9	LOW	LOW	LOW	68.	70.	-20.	5.1	96.3	51.	102.	29.	.19	3.
16 21 26	LOW	LOW	LOW	68.	80.	0.	5.4	87.0	49.	84.	0.	.06	6.
16 21 31	LOW	LOW	LOW	68.	83.	3.	5.6	86.0	34.	84.	0.	.07	4.
16 21 36	LOW	LOW	LOW	69.	85.	4.	6.4	86.5	34.	85.	-5.	.07	3.
16 21 41	LOW	LOW	LOW	68.	85.	5.	6.6	86.5	44.	83.	12.	.14	2.
16 21 46	LOW	LOW	LOW	69.	76.	0.	8.3	85.8	15.	84.	-5.	.12	3.
16 21 51	LOW	LOW	LOW	69.	77.	3.	7.6	86.3	29.	84.	5.	.15	1.
16 21 56	LOW	LOW	LOW	69.	75.	0.	5.4	86.2	34.	85.	-49.	.22	2.
16 22 1	LOW	LOW	LOW	66.	75.	12.	6.1	86.6	39.	85.	-27.	.23	1.
16 22 6	LOW	LOW	LOW	68.	72.	4.	5.4	87.2	10.	84.	-20.	.18	2.
16 22 11	LOW	LOW	LOW	68.	74.	4.	5.4	84.9	39.	84.	-32.	.19	1.
16 22 16	LOW	LOW	LOW	67.	74.	-2.	5.4	81.5	63.	85.	-10.	.07	0.
16 22 21	LOW	LOW	LOW	67.	73.	2.	6.4	82.2	34.	85.	5.	.29	1.
16 22 34	LOW	LOW	LOW	70.	69.	6.	5.8	82.1	24.	86.	29.	.16	2.
16 22 36	LOW	LOW	LOW	69.	72.	5.	5.1	82.8	37.	85.	24.	.15	2.
16 22 41	LOW	LOW	LOW	69.	75.	2.	5.4	82.6	29.	85.	20.	.18	4.
16 22 46	LOW	LOW	LOW	69.	77.	5.	5.6	82.8	32.	86.	17.	.17	2.
16 22 51	LOW	LOW	LOW	68.	75.	0.	7.3	82.3	49.	85.	-5.	.16	1.
16 22 56	LOW	LOW	LOW	68.	72.	1.	7.1	82.4	49.	86.	-27.	.23	2.
16 23 1	LOW	LOW	LOW	63.	69.	-2.	7.3	83.1	22.	85.	0.	.32	4.
16 23 9	LOW	LOW	LOW	63.	70.	2.	7.3	83.1	20.	85.	2.	.33	4.
16 23 6	LOW	LOW	LOW	68.	69.	4.	6.4	82.1	54.	86.	-20.	.25	0.
16 23 11	LOW	LOW	LOW	68.	71.	5.	6.8	81.5	44.	86.	-2.	.25	1.
16 23 16	LOW	LOW	LOW	69.	74.	0.	5.9	80.4	10.	86.	0.	.10	-0.
16 23 21	LOW	LOW	LOW	69.	74.	3.	6.4	79.6	12.	85.	-2.	.19	2.
16 23 26	LOW	LOW	LOW	67.	68.	-2.	5.4	78.4	156.	87.	-5.	.10	1.
16 23 32	LOW	LOW	LOW	67.	70.	-1.	5.0	75.4	93.	86.	-5.	.16	0.
16 23 37	LOW	LOW	LOW	67.	68.	0.	-.5	71.6	44.	85.	15.	.26	2.
16 23 42	LOW	LOW	LOW	66.	71.	0.	2.9	71.7	27.	85.	27.	.21	2.
16 23 47	LOW	LOW	LOW	67.	73.	4.	5.4	70.8	49.	85.	-29.	.09	4.
16 23 52	LOW	LOW	LOW	67.	71.	3.	4.4	70.7	46.	85.	-39.	.21	3.
16 23 57	LOW	LOW	LOW	66.	73.	4.	5.8	69.9	24.	86.	-5.	.22	1.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 15 PRESS FUEL OIL COOLER OUTLET L/HENG
16 38 34	LOW	LOW	LOW	69.	72.	10.	6.6	70.1	23.	86.	-7.	.15	0.
16 38 39	LOW	LOW	LOW	70.	72.	6.	5.4	75.1	24.	87.	0.	.15	4.
16 38 44	LOW	LOW	LOW	69.	72.	33.	5.1	75.1	1513.	86.	1469.	.18	3.
16 38 49	LOW	LOW	LOW	69.	72.	121.	4.9	74.8	3155.	85.	3101.	.12	6.
16 38 54	LOW	LOW	LOW	69.	71.	666.	5.4	73.7	3052.	86.	2960.	.12	17.
16 38 59	LOW	LOW	LOW	68.	68.	1045.	5.4	75.1	3045.	87.	3006.	.15	26.
16 39 4	LOW	LOW	LOW	69.	71.	1100.	5.1	75.1	3040.	86.	3101.	-.04	37.
16 39 9	LOW	LOW	LOW	69.	69.	1127.	7.8	74.5	3109.	88.	3152.	.22	53.
16 39 14	LOW	LOW	LOW	70.	69.	1103.	5.7	74.9	3047.	87.	3038.	.32	54.
16 39 19	LOW	LOW	LOW	69.	69.	1101.	4.9	75.4	2913.	87.	2845.	.04	50.
16 39 24	LOW	LOW	LOW	70.	70.	1104.	7.8	74.4	2955.	86.	2957.	.1	58.
16 39 29	LOW	LOW	LOW	73.	78.	1107.	1.5	73.9	2930.	87.	2913.	.15	59.
16 39 34	LOW	LOW	LOW	72.	75.	1105.	4.6	73.2	3003.	86.	2945.	.07	57.
16 39 39	LOW	LOW	LOW	71.	74.	1120.	8.8	73.8	3143.	85.	3060.	.21	55.
16 39 44	LOW	LOW	LOW	72.	75.	1109.	4.2	73.3	3050.	84.	3007.	.18	56.
16 79 49	LOW	LOW	LOW	71.	82.	1135.	11.7	73.8	3025.	85.	2981.	.12	59.
16 39 59	LOW	LOW	LOW	71.	80.	1103.	7.6	72.9	3043.	85.	2930.	.20	57.
16 40 4	LOW	LOW	LOW	71.	81.	1116.	9.8	74.3	3109.	86.	3011.	.03	56.
16 40 9	LOW	LOW	LOW	72.	79.	1110.	9.5	73.4	3072.	86.	2972.	.15	57.
16 40 9	LOW	LOW	LOW	74.	84.	1052.	11.7	72.7	3104.	87.	2931.	.19	59.
16 40 14	LOW	LOW	LOW	70.	84.	1085.	7.1	72.9	3033.	86.	2957.	.20	56.
16 40 19	LOW	LOW	LOW	74.	79.	1120.	9.4	74.2	3105.	86.	2933.	.19	55.
16 40 29	LOW	LOW	LOW	73.	82.	1114.	7.6	73.7	3029.	86.	2959.	.18	56.
16 40 34	LOW	LOW	LOW	69.	87.	1107.	-.5	73.9	2996.	85.	2967.	-.01	58.
16 40 34	LOW	LOW	LOW	73.	85.	1110.	.5	73.5	2991.	86.	2962.	.01	59.
16 46 33	174.	116.	78.	77.	74.	1097.	21.5	73.5	2993.	87.	3319.	-1.26	60.
16 46 38	175.	118.	74.	75.	74.	1097.	14.4	73.0	2932.	87.	3143.	-.33	61.
16 46 43	179.	120.	71.	78.	74.	1097.	17.1	74.1	2990.	85.	2791.	.92	59.
16 46 53	179.	114.	71.	78.	75.	1099.	9.3	73.7	2942.	86.	2783.	.86	59.
16 46 53	177.	110.	70.	79.	74.	1101.	12.2	72.5	2947.	87.	2998.	.94	60.
16 46 58	182.	114.	69.	82.	74.	1098.	14.7	73.5	2981.	87.	3013.	.45	60.
16 47 3	187.	110.	70.	92.	74.	1091.	10.6	74.2	2938.	88.	3270.	-.37	55.
16 47 8	186.	112.	70.	91.	73.	1087.	10.9	74.6	2942.	87.	3079.	-.26	56.
16 47 13	178.	105.	71.	86.	75.	1097.	10.1	72.9	2901.	86.	3089.	.21	59.
16 47 23	186.	103.	70.	91.	74.	1092.	12.2	73.6	2905.	86.	3172.	-.46	60.
16 47 28	193.	100.	71.	84.	70.	1082.	5.9	74.8	3060.	88.	3021.	-.07	60.
16 47 28	189.	102.	72.	86.	71.	1073.	8.6	74.9	2999.	88.	3062.	.15	59.
16 47 33	193.	116.	71.	86.	74.	1091.	3.4	73.0	3001.	87.	3055.	0.00	46.
16 47 36	195.	115.	71.	83.	74.	1086.	4.2	73.0	2979.	87.	3099.	-.01	54.
16 47 43	188.	90.	76.	90.	74.	1093.	5.4	75.5	3069.	88.	2977.	.22	60.
16 47 48	193.	105.	70.	91.	75.	1084.	5.1	74.0	3094.	87.	2974.	.16	58.
16 47 53	196.	110.	68.	83.	73.	1079.	-5.4	74.3	2947.	85.	3069.	-.38	56.
16 47 58	194.	105.	67.	88.	73.	1080.	-1.5	74.2	2933.	87.	3074.	-.24	52.
16 48 4	199.	112.	69.	84.	75.	1087.	-2.4	71.6	2884.	89.	3055.	-.22	58.
16 48 9	202.	114.	70.	81.	74.	1091.	.2	72.5	3021.	88.	2994.	-.07	60.
16 48 14	193.	97.	69.	89.	72.	1079.	-2.4	74.9	2903.	86.	3136.	.06	59.
16 48 19	196.	107.	72.	88.	74.	1087.	-1.2	74.8	2974.	88.	3016.	.11	55.
16 48 24	205.	117.	71.	82.	75.	1065.	3.9	74.9	2913.	87.	2913.	-.19	54.
16 48 29	204.	113.	72.	83.	75.	1083.	7.8	73.6	3021.	86.	2933.	-.22	55.

TIME H/M/S 08	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/MENG	PR 23 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 57 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 4 PRESS HYD OIL INLET UTL PUMP	SP 5 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FRO FUEL TANK	AF 16 PRESS FUEL OIL COOLER OUTLET L/MENG
16 48 34	205.	123.	72.	82.	74.	1035.	9.8	73.5	2825.	87.	2957.	.50	55.
16 48 39	207.	120.	68.	80.	75.	1030.	3.9	74.3	2913.	87.	3045.	.42	56.
16 48 44	198.	105.	69.	80.	73.	1039.	9.8	74.6	2898.	87.	3107.	.01	61.
16 48 49	195.	103.	68.	82.	73.	1035.	7.1	75.4	2936.	87.	3035.	-.05	57.
16 48 54	198.	107.	70.	85.	73.	1035.	3.9	73.6	2831.	88.	2810.	.51	56.
16 48 59	202.	113.	70.	80.	74.	1038.	3.7	74.6	2945.	88.	2896.	.20	53.
16 49 4	201.	110.	69.	98.	74.	1035.	9.8	74.2	2963.	88.	3005.	.10	60.
16 49 9	203.	112.	69.	86.	74.	1031.	8.6	74.8	3045.	87.	3023.	.07	58.
16 49 14	200.	108.	66.	79.	74.	1033.	8.3	75.2	3128.	84.	2918.	.22	57.
16 49 19	200.	107.	68.	85.	74.	1031.	8.6	74.6	3152.	86.	2915.	.11	59.
16 49 29	194.	106.	69.	91.	73.	1079.	7.8	74.8	3123.	88.	3011.	-.23	50.
16 49 29	200.	111.	70.	86.	74.	1037.	7.6	74.5	3035.	88.	2950.	-.07	60.
16 49 34	207.	117.	70.	82.	74.	1035.	11.2	74.2	3001.	88.	2913.	.09	59.
16 49 39	202.	113.	69.	87.	74.	1034.	10.3	74.3	2984.	87.	2911.	.04	58.
16 49 52	206.	116.	70.	88.	74.	1035.	8.3	72.6	2996.	87.	3045.	.35	58.
16 49 49	204.	111.	69.	88.	73.	1036.	10.3	72.5	2974.	87.	2988.	.23	56.
16 49 59	207.	122.	73.	85.	76.	1103.	7.3	73.6	2903.	87.	3125.	.06	55.
16 50 4	204.	120.	71.	87.	74.	1100.	7.8	73.6	2996.	87.	3101.	.10	55.
16 50 9	210.	121.	70.	73.	75.	1097.	2.4	75.5	2962.	89.	3080.	.13	60.
16 50 9	210.	122.	72.	76.	75.	1102.	7.6	74.8	3045.	89.	2989.	.10	61.
16 50 14	209.	116.	71.	83.	75.	1105.	4.4	75.1	2869.	88.	3123.	-.28	52.
16 50 19	205.	110.	70.	83.	75.	1095.	4.6	74.9	2923.	88.	3038.	-.36	55.
16 50 24	203.	108.	68.	84.	74.	1095.	10.8	75.9	2889.	88.	2933.	.00	60.
16 50 29	207.	117.	69.	90.	75.	1096.	9.5	74.2	2990.	88.	2979.	.12	60.
16 50 34	198.	107.	69.	91.	75.	1091.	10.8	72.7	3094.	87.	2869.	.28	56.
16 50 40	203.	110.	70.	83.	75.	1095.	10.5	73.3	3050.	88.	2918.	.08	58.
16 50 45	202.	108.	69.	91.	74.	1091.	7.3	75.1	2967.	88.	3102.	.15	57.
16 50 50	200.	109.	66.	82.	74.	1096.	7.8	74.7	2937.	88.	3067.	.10	59.
16 50 55	206.	122.	70.	80.	78.	1114.	12.2	75.4	3025.	87.	2981.	.32	60.
16 51 0	206.	115.	69.	80.	75.	1096.	9.5	74.9	2984.	88.	2984.	.04	59.
16 51 13	198.	111.	63.	87.	75.	1089.	9.3	76.0	2962.	88.	2942.	.10	61.
16 51 16	201.	114.	66.	82.	75.	1100.	8.6	75.6	2935.	88.	3050.	-.18	59.
16 51 15	209.	130.	74.	75.	75.	1110.	12.7	75.4	2810.	89.	2928.	.06	57.
16 51 20	208.	121.	71.	80.	75.	1103.	13.9	75.4	2871.	89.	2918.	.04	57.
16 51 25	210.	122.	71.	73.	75.	1107.	9.8	73.5	2980.	87.	2967.	.19	60.
16 51 30	*0010C0.	*003000.	*030000.	82.	77.	1105.	11.7	74.1	2964.	88.	2969.	-.13	55.
16 51 35	LOW	LOW	LOW	79.	76.	1105.	9.9	73.0	2937.	89.	3104.	.25	61.
16 51 40	LOW	LOW	LOW	83.	75.	1105.	7.8	73.2	2903.	88.	3023.	.33	60.
16 51 45	LOW	LOW	LOW	88.	77.	1100.	9.9	74.5	2949.	89.	3045.	-.29	56.
16 51 50	LOW	LOW	LOW	73.	75.	1103.	4.9	74.4	2849.	89.	3087.	-.20	57.
16 51 55	LOW	LOW	LOW	71.	78.	1107.	10.8	74.8	3109.	88.	2923.	-.07	59.
16 52 0	LOW	LOW	LOW	79.	77.	1105.	9.3	74.9	3047.	87.	2957.	-.09	53.
16 52 5	LOW	LOW	LOW	76.	76.	1103.	8.3	75.7	2977.	87.	2947.	.16	58.
16 52 10	LOW	LOW	LOW	76.	77.	1105.	9.8	75.7	3079.	88.	2955.	.18	58.
16 52 15	LOW	LOW	LOW	72.	76.	1103.	10.8	74.2	3196.	89.	2933.	-.35	61.
16 52 20	LOW	LOW	LOW	78.	76.	1112.	9.8	74.8	3082.	89.	2930.	-.04	61.
16 52 25	LOW	LOW	LOW	74.	80.	1112.	12.2	76.7	2991.	89.	3123.	-.03	59.
16 52 35	LOW	LOW	LOW	76.	77.	1107.	11.7	75.8	3069.	89.	3045.	-.17	60.
16 52 40	LOW	LOW	LOW	78.	77.	1112.	9.3	76.1	3094.	87.	2996.	-.03	62.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/MENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FRM FUEL TANK	AF 15 PRESS FUEL OIL COOLER OUTLET L/MENG
08													
16 52 45	LOW	LOW	LOW	82.	74.	1109.	7.3	75.5	3062.	88.	3018.	-.03	61.
16 52 45	LOW	LOW	LOW	58.	75.	1107.	5.8	75.3	3025.	88.	2972.	.26	60.
16 52 50	LOW	LOW	LOW	76.	77.	1109.	4.9	75.6	2996.	88.	3013.	.13	61.
16 52 55	LOW	LOW	LOW	82.	73.	1099.	2.9	76.1	2974.	89.	3134.	-.48	57.
16 53 0	LOW	LOW	LOW	78.	75.	1105.	5.4	75.9	2969.	86.	3100.	-.36	58.
16 53 10	LOW	LOW	LOW	76.	74.	1110.	12.2	75.6	2977.	89.	3143.	.47	61.
16 53 10	LOW	LOW	LOW	77.	74.	1110.	8.6	74.6	2998.	89.	3123.	.18	61.
16 53 16	LOW	LOW	LOW	84.	75.	1110.	3.9	77.3	3065.	89.	3157.	-.28	58.
16 53 21	LOW	LOW	LOW	78.	75.	1111.	4.9	76.3	3008.	89.	3143.	-.09	58.
16 53 26	LOW	LOW	LOW	87.	73.	1116.	11.7	74.5	2913.	89.	3039.	.32	62.
16 53 31	LOW	LOW	LOW	86.	73.	1109.	12.5	73.7	2977.	89.	3035.	.39	62.
16 53 36	LOW	LOW	LOW	75.	76.	1116.	3.4	75.6	3040.	87.	3018.	.26	61.
16 53 41	LOW	LOW	LOW	81.	75.	1114.	5.9	75.4	3025.	87.	3038.	.16	58.
16 53 46	LOW	LOW	LOW	82.	78.	1106.	15.6	73.6	3094.	87.	2903.	.12	60.
16 53 51	LOW	LOW	LOW	77.	76.	1111.	12.5	74.9	2994.	87.	3003.	.12	60.
16 53 56	LOW	LOW	LOW	74.	73.	1110.	13.7	75.7	3030.	87.	3016.	.16	58.
16 54 1	LOW	LOW	LOW	77.	75.	1109.	11.5	75.7	3045.	87.	2972.	.08	58.
16 54 6	LOW	LOW	LOW	76.	76.	1109.	9.4	75.5	3011.	88.	2990.	.09	58.
16 54 11	LOW	LOW	LOW	77.	77.	1112.	6.6	75.4	3021.	88.	2967.	.01	61.
16 54 16	LOW	LOW	LOW	84.	79.	1116.	12.2	76.2	2918.	90.	2918.	.16	61.
16 54 21	LOW	LOW	LOW	77.	75.	1109.	8.6	76.5	2935.	90.	2923.	.20	59.
16 54 26	LOW	LOW	LOW	77.	78.	1109.	14.2	76.1	3128.	88.	2889.	-.16	59.
16 54 31	LOW	LOW	LOW	79.	76.	1104.	12.7	75.5	3080.	87.	2937.	.07	58.
16 54 36	LOW	LOW	LOW	82.	77.	1093.	13.2	75.5	3162.	90.	2952.	-.18	59.
16 54 41	LOW	LOW	LOW	78.	79.	1097.	11.0	76.5	3065.	89.	2969.	-.10	58.
16 54 46	LOW	LOW	LOW	77.	95.	1110.	3.4	76.2	3060.	89.	3001.	.44	60.
16 54 51	LOW	LOW	LOW	84.	98.	1110.	2.9	74.9	3003.	88.	3011.	.27	58.
16 54 56	LOW	LOW	LOW	89.	105.	1107.	4.3	76.7	3040.	90.	2918.	-.01	61.
16 55 1	LOW	LOW	LOW	77.	108.	1109.	7.6	76.1	3025.	89.	2967.	.04	58.
16 55 6	LOW	LOW	LOW	84.	114.	1101.	9.4	75.1	3021.	88.	3104.	.06	53.
16 55 9	LOW	LOW	LOW	96.	115.	1107.	9.8	74.9	3045.	88.	3018.	.06	55.
16 56 19	LOW	LOW	LOW	81.	113.	1116.	9.3	66.0	2727.	78.	2586.	.04	56.
16 56 24	LOW	LOW	LOW	77.	124.	1113.	9.0	75.6	2969.	71.	2725.	.05	55.
16 56 29	LOW	LOW	LOW	85.	123.	1109.	9.8	85.6	2903.	67.	2879.	.18	57.
16 56 29	LOW	LOW	LOW	84.	123.	1107.	7.6	86.7	2957.	68.	2926.	.13	57.
16 56 34	LOW	LOW	LOW	74.	132.	1116.	7.3	77.4	3021.	89.	3001.	.03	58.
16 56 39	LOW	LOW	LOW	73.	134.	1114.	5.1	77.0	3014.	90.	2986.	.05	57.
16 56 49	LOW	LOW	LOW	69.	138.	1116.	3.4	74.5	2884.	94.	2810.	.09	60.
16 56 54	LOW	LOW	LOW	75.	135.	1111.	5.0	69.4	2969.	91.	2886.	.21	56.
16 56 59	LOW	LOW	LOW	82.	123.	1110.	3.4	65.8	3093.	67.	2981.	.10	52.
16 56 59	LOW	LOW	LOW	75.	131.	1110.	7.8	65.2	3072.	66.	2996.	.13	55.
16 57 4	LOW	LOW	LOW	87.	134.	1116.	5.4	70.7	2967.	93.	3001.	.10	56.
16 57 9	LOW	LOW	LOW	83.	131.	1116.	3.0	73.2	2952.	93.	2986.	.04	54.
16 57 14	LOW	LOW	LOW	82.	127.	1112.	9.8	76.8	2942.	94.	2920.	.04	48.
16 57 19	LOW	LOW	LOW	80.	128.	1112.	6.3	71.3	2945.	93.	2957.	.07	52.
16 57 24	LOW	LOW	LOW	71.	108.	1115.	-.5	66.1	2937.	92.	2937.	.04	56.
16 57 30	LOW	LOW	LOW	75.	102.	1115.	3.4	70.9	2969.	91.	2942.	.07	54.
16 57 35	LOW	LOW	LOW	89.	95.	1115.	6.8	75.5	3040.	92.	2972.	.01	59.
16 57 40	LOW	LOW	LOW	78.	94.	1114.	7.8	76.5	3011.	91.	2979.	.07	59.

TIME H/M/S 08	PR 14 TEMP MASS GLAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/MENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 16 PRESS FUEL OIL COOLER OUTLET L/MENG
16 57 45	LOW	LOW	LOW	79.	90.	1116.	9.3	75.5	2967.	93.	2952.	.01	54.
16 57 50	LOW	LOW	LOW	77.	90.	1119.	9.8	75.7	2999.	92.	2945.	.00	54.
16 57 55	LOW	LOW	LOW	68.	90.	1116.	5.9	76.0	2967.	90.	2952.	.12	58.
16 58 0	LOW	LOW	LOW	76.	87.	1115.	9.8	76.0	2969.	91.	2937.	.11	57.
16 58 5	LOW	LOW	LOW	76.	87.	1118.	10.3	75.7	3030.	90.	3069.	.21	56.
16 58 10	LOW	LOW	LOW	76.	87.	1117.	9.8	75.1	3035.	91.	3036.	.10	57.
16 58 15	LOW	LOW	LOW	73.	88.	1115.	5.4	76.1	3030.	92.	3113.	.15	56.
16 58 20	LOW	LOW	LOW	73.	89.	1116.	5.6	75.6	3060.	91.	3050.	.12	57.
16 58 25	LOW	LOW	LOW	83.	95.	1120.	9.3	74.8	2947.	91.	2923.	.07	56.
16 58 30	LOW	LOW	LOW	80.	104.	1123.	10.0	75.8	2961.	91.	2989.	.08	56.
16 58 35	LOW	LOW	LOW	76.	113.	1110.	8.8	75.5	3021.	91.	3001.	.16	46.
16 58 40	LOW	LOW	LOW	74.	122.	1111.	4.2	75.6	3005.	91.	2981.	.05	48.
16 58 45	LOW	LOW	LOW	81.	119.	1109.	7.8	74.2	2986.	91.	2962.	0.00	57.
16 58 55	LOW	LOW	LOW	81.	109.	1111.	8.4	74.5	3021.	91.	2937.	.06	55.
16 59 0	LOW	LOW	LOW	86.	96.	1120.	8.9	75.7	2967.	91.	3065.	.15	55.
16 59 3	LOW	LOW	LOW	74.	91.	1117.	9.6	75.4	2969.	91.	3018.	.05	55.
16 59 5	LOW	LOW	LOW	79.	87.	1116.	8.8	74.8	3050.	90.	2972.	.04	46.
16 59 10	LOW	LOW	LOW	79.	85.	1114.	8.3	74.7	3025.	90.	2986.	.11	51.
16 59 15	LOW	LOW	LOW	79.	84.	1109.	8.8	75.5	3065.	91.	2937.	.16	54.
16 59 25	LOW	LOW	LOW	75.	86.	1113.	7.8	75.7	3001.	91.	2940.	.10	55.
16 59 30	LOW	LOW	LOW	84.	85.	1116.	9.8	73.6	2908.	90.	2908.	.06	55.
16 59 35	LOW	LOW	LOW	77.	86.	1117.	8.6	74.6	2903.	89.	2901.	.06	55.
16 59 35	LOW	LOW	LOW	83.	85.	1120.	6.8	75.1	3021.	91.	2942.	.03	51.
16 59 40	LOW	LOW	LOW	89.	85.	1119.	7.3	74.9	3021.	91.	2942.	.10	55.
16 59 45	LOW	LOW	LOW	76.	84.	1110.	10.8	73.9	2972.	91.	2942.	.22	46.
16 59 50	LOW	LOW	LOW	76.	83.	1116.	9.0	73.8	3003.	90.	2928.	.18	52.
16 59 55	LOW	LOW	LOW	73.	84.	1122.	7.8	65.4	2991.	90.	3011.	-.04	52.
17 0 0	LOW	LOW	LOW	70.	85.	1115.	10.0	66.7	2979.	90.	3028.	.04	55.
17 45 23	LOW	LOW	LOW	84.	71.	1120.	7.8	73.2	3036.	87.	2947.	.63	59.
17 45 28	LOW	LOW	LOW	81.	70.	1115.	5.6	72.3	3025.	86.	2903.	.61	56.
17 45 33	LOW	LOW	LOW	82.	71.	1112.	4.4	73.5	2981.	87.	2947.	.60	55.
17 45 39	LOW	LOW	LOW	78.	72.	1109.	5.4	74.7	3013.	87.	2994.	.63	54.
17 45 44	LOW	LOW	LOW	77.	72.	1112.	11.2	75.1	3025.	88.	3065.	.56	55.
17 45 49	LOW	LOW	LOW	77.	70.	1109.	7.6	75.4	3018.	88.	3052.	.57	55.
17 45 54	LOW	LOW	LOW	87.	70.	1107.	8.8	75.8	3050.	87.	3025.	.81	54.
17 45 59	LOW	LOW	LOW	88.	73.	1109.	10.5	74.9	3057.	87.	3056.	.73	56.
17 46 4	LOW	LOW	LOW	76.	71.	1124.	9.9	71.7	2981.	86.	2933.	.60	60.
17 46 9	LOW	LOW	LOW	89.	72.	1112.	5.8	73.4	2994.	86.	2952.	.54	60.
17 46 14	LOW	LOW	LOW	75.	71.	1118.	9.3	72.6	3030.	87.	2849.	.57	60.
17 46 19	LOW	LOW	LOW	73.	72.	1115.	7.3	72.4	3003.	87.	2889.	.54	60.
17 45 32	LOW	LOW	LOW	71.	75.	1116.	3.4	75.5	2991.	88.	3021.	.53	55.
17 46 29	LOW	LOW	LOW	73.	74.	1117.	5.8	75.4	3021.	87.	3006.	.54	56.
17 46 34	LOW	LOW	LOW	79.	71.	1118.	9.9	74.3	2967.	87.	2981.	.65	57.
17 46 39	LOW	LOW	LOW	73.	73.	1105.	5.1	73.7	2973.	87.	2967.	.59	57.
17 47 37	LOW	LOW	LOW	82.	73.	1103.	8.8	72.1	3060.	87.	2996.	.02	58.
17 47 42	LOW	LOW	LOW	72.	73.	1107.	9.3	73.2	3047.	86.	2974.	.62	56.
17 47 47	LOW	LOW	LOW	74.	71.	1114.	9.3	71.8	2923.	86.	2898.	.45	61.
17 47 52	LOW	LOW	LOW	72.	71.	1109.	5.1	73.5	2980.	86.	2994.	.53	56.
17 47 57	LOW	LOW	LOW	69.	72.	1114.	5.4	72.0	3074.	87.	2923.	.40	57.

TIME H/M/S	PF 14 TEMP MASS GEAR CASE	PR 19 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 57 TEMP MANFLD VORTEX GENRTR	AF 1. PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
17 58 33	LOW	LOW	LOW	73.	73.	1110.	9.1	73.4	2584.	86.	2977.	.34	57.
17 58 38	LOW	LOW	LOW	75.	73.	1105.	7.3	59.8	2998.	83.	2889.	.63	57.
17 58 43	LOW	LOW	LOW	71.	74.	1109.	8.6	78.7	2972.	84.	2969.	.73	56.
17 58 48	LOW	LOW	LOW	76.	71.	1101.	4.9	76.7	3025.	83.	2962.	.73	59.
17 58 53	LOW	LOW	LOW	79.	71.	1108.	5.1	80.7	3003.	85.	3011.	.94	59.
17 58 58	LOW	LOW	LOW	72.	72.	1110.	10.8	79.2	2957.	87.	2957.	1.32	55.
17 59 3	LOW	LOW	LOW	74.	72.	1112.	6.8	80.1	3016.	86.	2979.	1.25	49.
17 59 8	LOW	LOW	LOW	71.	74.	1126.	6.8	80.1	2967.	86.	3009.	1.38	55.
17 59 13	LOW	LOW	LOW	75.	72.	1120.	5.9	81.7	2980.	86.	3025.	1.43	56.
17 59 18	LOW	LOW	LOW	81.	71.	1392.	7.8	73.3	2967.	87.	2986.	1.22	56.
17 59 23	LOW	LOW	LOW	73.	73.	1231.	7.1	84.9	2995.	86.	2989.	1.19	55.
17 59 28	LOW	LOW	LOW	76.	72.	1112.	5.8	75.6	2937.	85.	2913.	1.13	59.
17 59 33	LOW	LOW	LOW	69.	72.	1114.	6.4	74.1	3072.	86.	2940.	1.14	55.
17 59 38	LOW	LOW	LOW	80.	69.	1109.	7.8	73.9	3030.	87.	3079.	.95	56.
18 0 39	LOW	LOW	LOW	77.	74.	555.	7.6	81.0	1944.	88.	1959.	.74	26.
18 0 44	LOW	LOW	LOW	74.	79.	0.	5.9	88.0	20.	91.	-34.	.65	1.
18 0 49	LOW	LOW	LOW	74.	76.	1.	5.6	99.3	27.	101.	7.	.63	1.
18 0 54	LOW	LOW	LOW	74.	81.	2.	5.4	104.3	44.	115.	15.	.66	3.
18 0 59	LOW	LOW	LOW	75.	83.	3.	5.1	104.3	95.	111.	24.	.61	2.
18 7 4	LOW	LOW	LOW	74.	85.	0.	5.9	104.8	33.	105.	44.	.60	0.
18 7 9	LOW	LOW	LOW	75.	85.	0.	5.6	103.4	42.	104.	20.	.56	2.
18 7 14	LOW	LOW	LOW	76.	84.	6.	6.8	101.5	0.	104.	15.	.79	-2.
18 7 24	LOW	LOW	LOW	77.	83.	5.	5.8	101.0	22.	103.	15.	.69	-1.
18 7 39	LOW	LOW	LOW	77.	81.	0.	5.9	100.9	39.	103.	15.	.75	2.
18 7 44	LOW	LOW	LOW	78.	83.	1.	5.6	100.3	34.	101.	15.	.60	1.
18 7 44	LOW	LOW	LOW	78.	85.	-2.	6.8	100.3	5.	100.	10.	.66	5.
18 7 49	LOW	LOW	LOW	78.	83.	-1.	5.1	100.2	33.	100.	5.	.67	5.
18 7 54	LOW	LOW	LOW	76.	84.	2.	7.8	99.4	24.	96.	0.	.57	2.
18 7 59	LOW	LOW	LOW	78.	81.	1.	5.8	99.9	12.	95.	2.	.57	3.
18 8 4	LOW	LOW	LOW	78.	81.	2.	-.5	97.4	34.	95.	-20.	.65	2.
18 8 9	LOW	LOW	LOW	78.	77.	1.	2.9	98.6	34.	95.	-12.	.61	2.
18 8 14	LOW	LOW	LOW	78.	82.	0.	6.8	92.6	108.	95.	5.	.59	-6.
18 8 20	LOW	LOW	LOW	79.	81.	1.	6.4	93.0	71.	95.	-2.	.59	0.
18 8 25	LOW	LOW	LOW	80.	84.	2.	5.9	92.7	29.	95.	-15.	.57	-3.
18 8 30	LOW	LOW	LOW	78.	83.	3.	5.9	93.0	13.	95.	-5.	.60	-1.
18 20 38	183.	139.	71.	97.	75.	-4.	4.4	93.0	1.	93.	-5.	.16	-6.
18 20 43	182.	138.	70.	97.	75.	-6.	5.1	92.4	7.	93.	-2.	.08	2.
18 21 9	182.	144.	73.	97.	76.	-33.	5.9	92.1	-24.	92.	0.	.23	1.
18 21 14	184.	146.	76.	102.	78.	-19.	3.4	90.5	-90.	90.	-49.	.16	0.
18 21 14	184.	147.	77.	106.	82.	-18.	2.0	91.9	-106.	91.	10.	.13	-1.
18 21 19	185.	146.	77.	105.	82.	-17.	2.0	92.3	-83.	91.	-15.	.12	-1.
18 21 24	183.	144.	76.	105.	79.	-8.	2.4	92.7	-59.	90.	-39.	.15	1.
18 21 29	182.	143.	77.	105.	79.	-5.	3.2	92.3	-50.	91.	-40.	.07	1.
18 21 34	180.	141.	75.	105.	74.	-6.	4.4	89.0	-5.	92.	-5.	.13	0.
18 21 39	179.	141.	74.	104.	74.	-4.	5.4	90.9	-7.	92.	-2.	.11	1.
18 21 45	176.	139.	72.	102.	75.	-8.	5.9	93.1	-5.	91.	-15.	.15	4.
18 21 50	175.	139.	73.	103.	75.	-3.	6.4	93.1	-12.	92.	-15.	.13	4.
18 21 55	176.	138.	71.	101.	75.	-4.	5.9	92.4	0.	91.	-24.	.18	3.
18 22 0	176.	138.	72.	100.	74.	-2.	5.6	92.2	2.	91.	-7.	.18	2.

TIME H/M/S 08	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 16 PRESS FUEL OIL COOLER OUTLET L/HENG
18 22 5	182.	137.	71.	98.	72.	16.	7.3	94.0	-15.	92.	20.	.12	0.
18 22 10	176.	137.	70.	98.	71.	8.	5.5	93.6	-7.	92.	5.	.14	2.
18 22 15	178.	136.	69.	99.	73.	-20.	3.9	93.6	0.	92.	-5.	.10	4.
18 22 20	17c.	136.	70.	99.	73.	-10.	-.2	93.3	5.	92.	-12.	.13	3.
18 22 25	178.	134.	71.	98.	71.	2.	5.4	91.9	24.	92.	-5.	.23	0.
18 22 30	176.	136.	72.	98.	71.	4.	6.6	92.4	20.	92.	5.	.23	0.
18 22 35	174.	137.	72.	98.	71.	0.	6.6	93.6	-5.	91.	20.	.10	2.
18 22 40	174.	138.	72.	99.	72.	0.	7.1	93.6	-2.	92.	86.	.18	1.
18 22 45	178.	138.	73.	99.	76.	2.	7.8	94.3	-20.	92.	15.	.18	3.
18 22 50	176.	138.	73.	96.	75.	1.	6.6	93.3	-7.	92.	7.	.17	2.
18 22 55	176.	138.	73.	99.	75.	-6.	3.9	92.7	20.	91.	0.	.21	1.
18 23 0	17o.	138.	73.	99.	7+.	-4.	4.4	92.4	10.	91.	10.	.18	1.

3 COMMUTATOR

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET SIDE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
09													
16 19 3	1.	-0.	2.	2.	1.	1.3	4.	1.	2.	LOW	76.	73.	71.
16 19 8	0.	-0.	3.	2.	1.	1.5	3.	1.	2.	LOW	75.	74.	70.
16 19 13	0.	-0.	3.	1.	0.	2.1	0.	-4.	2.	LOW	74.	76.	72.
16 19 18	0.	-0.	4.	-0.	1.	1.8	1.	-2.	2.	LOW	75.	75.	72.
16 19 28	0.	0.	4.	1.	-1.	1.3	5.	3.	2.	LOW	76.	76.	73.
16 19 33	0.	-0.	3.	0.	1.	1.2	4.	1.	2.	LOW	75.	75.	72.
16 19 33	0.	-0.	3.	2.	0.	1.5	1.	1.	1.	LOW	76.	74.	71.
16 19 38	0.	-0.	5.	1.	5.	1.4	4.	3.	2.	LOW	76.	74.	72.
16 19 43	0.	-0.	4.	-0.	0.	1.2	2.	2.	1.	LOW	74.	76.	71.
16 19 48	-0.	-0.	4.	-0.	-0.	1.4	1.	1.	1.	LOW	75.	75.	64.
16 19 53	0.	-0.	4.	-5.	1.	1.4	2.	0.	1.	LOW	76.	74.	67.
16 19 58	1.	-0.	3.	-4.	0.	1.3	1.	2.	1.	LOW	76.	74.	57.
16 20 4	1.	-0.	2.	0.	1.	1.3	0.	4.	1.	LOW	76.	74.	71.
16 20 9	0.	-0.	3.	1.	2.	1.2	4.	3.	1.	LOW	76.	74.	72.
16 21 26	1.	-0.	3.	-3.	0.	27.2	4.	0.	1.	LOW	78.	74.	74.
16 21 31	1.	-0.	3.	1.	-0.	27.0	3.	3.	1.	LOW	76.	74.	72.
16 21 36	-0.	0.	3.	1.	1.	27.6	10.	-12.	2.	LOW	79.	77.	74.
16 21 41	0.	-0.	3.	0.	5.	27.1	5.	-5.	2.	LOW	77.	75.	73.
16 21 46	0.	0.	3.	1.	8.	27.0	2.	0.	2.	LOW	76.	74.	69.
16 21 51	0.	-0.	4.	1.	4.	26.9	1.	0.	2.	LOW	76.	74.	70.
16 21 56	0.	-0.	3.	2.	6.	27.2	2.	4.	1.	LOW	79.	76.	74.
16 22 1	1.	-0.	3.	0.	4.	26.9	2.	3.	1.	LOW	77.	75.	72.
16 22 6	0.	-0.	3.	-0.	-1.	26.3	3.	-4.	1.	LOW	77.	75.	72.
16 22 11	0.	-0.	3.	-0.	3.	26.6	3.	-2.	2.	LOW	77.	76.	72.
16 22 16	-0.	0.	3.	3.	0.	26.5	4.	0.	1.	LOW	74.	77.	74.
16 22 21	-0.	-0.	3.	1.	-0.	25.8	3.	0.	2.	LOW	75.	76.	71.
16 22 34	1.	-0.	4.	1.	0.	27.0	1.	2.	1.	LOW	75.	74.	71.
16 22 36	1.	-0.	3.	0.	0.	26.9	1.	1.	1.	LOW	77.	75.	72.
16 22 41	0.	-0.	2.	4.	-1.	26.7	1.	0.	2.	LOW	77.	76.	72.
16 22 46	0.	-0.	3.	2.	1.	26.8	4.	0.	2.	LOW	76.	74.	71.
16 22 51	0.	-0.	3.	1.	3.	26.8	0.	1.	2.	LOW	77.	74.	73.
16 22 56	-0.	-0.	3.	1.	4.	26.6	3.	2.	2.	LOW	75.	75.	73.
16 23 1	1.	-0.	4.	1.	0.	27.2	4.	1.	1.	LOW	76.	76.	71.
16 23 9	0.	-0.	4.	0.	1.	26.9	5.	1.	1.	LOW	76.	75.	70.
16 23 6	1.	0.	3.	2.	-1.	26.9	2.	-3.	3.	LOW	76.	74.	71.
16 23 11	0.	-0.	3.	2.	2.	26.1	0.	-0.	2.	LOW	78.	75.	72.
16 23 16	0.	-0.	4.	2.	4.	26.2	2.	7.	2.	LOW	79.	76.	66.
16 23 21	0.	-0.	4.	1.	3.	26.4	2.	4.	2.	LOW	77.	75.	68.
16 23 26	0.	-0.	3.	-1.	3.	26.4	2.	0.	1.	LOW	82.	76.	73.
16 23 32	0.	-0.	4.	0.	4.	26.6	1.	0.	1.	LOW	79.	75.	73.
16 23 37	0.	-0.	4.	-0.	4.	27.1	0.	-1.	1.	LOW	79.	74.	71.
16 23 42	1.	-0.	4.	1.	6.	26.7	3.	0.	2.	LOW	79.	74.	73.
16 23 47	0.	0.	3.	0.	1.	26.2	11.	3.	1.	LOW	79.	76.	71.
16 23 52	0.	0.	3.	1.	4.	26.6	7.	1.	1.	LOW	78.	76.	72.
16 23 57	1.	0.	4.	1.	-1.	26.5	1.	4.	1.	LOW	76.	74.	71.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET LSJ L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 33 PRESS JUFLET SIDE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
16 38 34	1.	-0.	5.	1.	1.	25.4	3.	3.	1	LOW	79.	76.	72.
16 38 39	0.	-0.	5.	-0.	7.	26.2	4.	0.	2.	LOW	82.	78.	63.
16 38 44	1.	-0.	5.	0.	4.	27.1	3.	1.	2.	LOW	83.	76.	67.
16 38 49	11.	0.	3.	2.	7.	40.9	-1.	-12.	20.	LOW	82.	76.	73.
16 38 54	17.	-0.	4.	4.	7.	32.9	1.	-2.	28.	LOW	82.	77.	72.
16 38 59	24.	0.	3.	4.	117.	25.3	84.	4.	38.	LOW	80.	76.	69.
16 39 4	33.	-0.	4.	6.	133.	25.0	96.	3.	50.	LOW	81.	76.	61.
16 39 9	47.	-0.	16.	63.	183.	25.5	145.	14.	68.	LOW	79.	78.	71.
16 39 14	46.	-0.	17.	59.	182.	24.9	147.	18.	70.	LOW	82.	79.	71.
16 39 19	52.	-0.	16.	55.	198.	24.6	166.	18.	70.	LOW	82.	77.	69.
16 39 24	52.	-0.	12.	54.	203.	25.1	176.	26.	77.	LOW	81.	77.	69.
16 39 29	52.	0.	9.	49.	225.	24.7	177.	29.	78.	LOW	82.	78.	73.
16 39 34	52.	0.	12.	44.	217.	24.6	179.	30.	78.	LOW	83.	79.	73.
16 39 39	51.	0.	11.	50.	214.	24.2	176.	41.	77.	LOW	82.	77.	69.
16 39 44	51.	0.	14.	51.	208.	24.3	180.	37.	77.	LOW	81.	77.	66.
16 39 49	52.	0.	10.	59.	212.	25.3	181.	29.	75.	LOW	82.	80.	72.
16 39 59	51.	0.	12.	52.	213.	25.4	182.	27.	75.	LOW	82.	77.	72.
16 40 4	52.	-0.	16.	51.	210.	25.0	183.	32.	75.	LOW	82.	80.	71.
16 40 9	51.	0.	15.	51.	210.	24.9	182.	31.	76.	LOW	80.	79.	70.
16 40 9	51.	0.	16.	52.	219.	24.8	177.	37.	75.	LOW	82.	80.	66.
16 40 14	51.	0.	18.	46.	213.	25.0	178.	30.	74.	LOW	81.	79.	68.
16 40 19	51.	0.	11.	48.	192.	25.2	176.	32.	75.	LOW	84.	80.	71.
16 40 29	51.	0.	13.	50.	203.	24.8	177.	29.	75.	LOW	82.	80.	70.
16 40 34	51.	-0.	14.	47.	218.	24.3	181.	34.	74.	LOW	76.	79.	71.
16 40 34	50.	0.	16.	48.	201.	24.8	177.	30.	74.	LOW	80.	76.	71.
16 46 33	51.	1.	21.	67.	504.	23.0	476.	325.	71.	72.	77.	83.	60.
16 46 38	52.	1.	20.	69.	508.	23.0	472.	324.	74.	72.	77.	82.	75.
16 46 43	51.	1.	19.	61.	538.	24.8	468.	332.	76.	73.	76.	81.	75.
16 46 53	51.	1.	20.	65.	515.	23.4	451.	331.	77.	74.	75.	80.	74.
16 46 53	51.	1.	21.	61.	507.	23.5	468.	315.	78.	63.	76.	81.	69.
16 46 58	51.	1.	20.	65.	505.	22.8	473.	319.	77.	69.	76.	82.	74.
16 47 3	51.	1.	19.	62.	498.	23.0	466.	328.	77.	72.	77.	80.	76.
16 47 8	51.	1.	18.	62.	508.	24.2	467.	325.	78.	73.	78.	80.	71.
16 47 13	50.	1.	21.	65.	465.	22.0	411.	260.	78.	70.	76.	82.	66.
16 47 23	50.	1.	21.	65.	447.	23.2	394.	259.	78.	71.	73.	80.	72.
16 47 28	49.	0.	20.	61.	389.	23.4	348.	176.	82.	71.	75.	81.	77.
16 47 28	49.	0.	20.	64.	359.	24.1	323.	155.	84.	72.	76.	82.	73.
16 47 33	49.	0.	22.	59.	337.	24.7	271.	128.	80.	69.	76.	82.	68.
16 47 38	49.	0.	22.	67.	317.	24.7	266.	118.	87.	70.	75.	81.	71.
16 47 43	49.	0.	21.	67.	284.	22.4	272.	103.	90.	72.	77.	83.	79.
16 47 48	48.	0.	21.	65.	289.	23.3	253.	107.	98.	69.	78.	83.	75.
16 47 53	48.	0.	20.	67.	282.	23.3	253.	90.	100.	71.	76.	82.	74.
16 47 58	47.	0.	20.	67.	277.	23.7	253.	93.	100.	72.	74.	82.	74.
16 48 4	47.	0.	22.	59.	262.	23.7	255.	96.	116.	73.	75.	80.	67.
16 48 9	47.	0.	21.	62.	285.	24.1	256.	95.	116.	73.	78.	80.	69.
16 48 14	48.	0.	20.	63.	279.	23.6	260.	104.	114.	74.	74.	82.	76.
16 48 19	48.	0.	21.	65.	272.	23.9	254.	108.	114.	73.	75.	82.	73.
16 48 24	48.	0.	21.	69.	290.	24.1	249.	100.	113.	72.	79.	81.	69.
16 48 29	48.	0.	21.	68.	295.	24.3	245.	97.	113.	72.	77.	81.	69.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 31 PRESS JUTLET LINE PUMP MAIN L/HENG	AF 39 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/M	EC 107 TEMP AMB MAN FWD R/M	EC 108 TEMP AMB MAN AFT L/M
09													
16 48 34	47.	0.	23.	62.	285.	23.2	249.	106.	114.	72.	76.	82.	69.
16 48 39	48.	0.	22.	67.	280.	23.9	251.	106.	115.	68.	78.	82.	76.
16 48 44	46.	-0.	21.	67.	282.	24.1	246.	103.	116.	67.	73.	83.	78.
16 48 49	46.	0.	20.	66.	284.	23.7	258.	95.	118.	66.	74.	82.	76.
16 48 54	47.	0.	18.	65.	287.	23.6	249.	95.	115.	72.	74.	86.	79.
16 48 59	47.	0.	20.	65.	285.	23.6	247.	102.	114.	71.	74.	80.	74.
16 49 4	46.	1.	21.	68.	275.	24.9	260.	84.	113.	74.	76.	81.	66.
16 49 9	47.	1.	21.	66.	280.	24.3	259.	90.	114.	73.	77.	81.	66.
16 49 14	47.	0.	21.	76.	284.	23.9	253.	98.	113.	53.	75.	82.	74.
16 49 19	47.	0.	21.	70.	283.	23.8	249.	92.	114.	67.	76.	81.	74.
16 49 29	47.	0.	21.	63.	278.	23.9	249.	94.	117.	73.	74.	83.	76.
16 49 29	46.	0.	21.	58.	281.	23.3	251.	96.	118.	74.	76.	83.	65.
16 49 34	47.	0.	23.	72.	282.	23.8	257.	99.	117.	73.	76.	81.	65.
16 49 39	47.	0.	23.	65.	280.	23.5	253.	99.	115.	74.	78.	83.	71.
16 49 52	47.	-0.	22.	69.	278.	24.9	241.	113.	115.	71.	73.	84.	79.
16 49 49	47.	-0.	21.	65.	275.	24.6	238.	99.	115.	71.	75.	83.	77.
16 49 59	47.	0.	20.	64.	285.	23.1	257.	89.	115.	72.	76.	82.	76.
16 50 4	47.	0.	21.	63.	278.	23.7	250.	93.	117.	72.	77.	84.	72.
16 50 9	47.	0.	22.	66.	267.	24.5	251.	97.	116.	73.	78.	80.	73.
16 50 9	47.	0.	22.	67.	267.	24.2	249.	96.	115.	72.	77.	82.	73.
16 50 14	47.	0.	22.	69.	277.	22.9	253.	95.	117.	74.	74.	84.	71.
16 50 19	47.	0.	22.	68.	275.	23.2	252.	97.	116.	73.	74.	84.	74.
16 50 24	46.	0.	23.	67.	282.	25.3	247.	105.	117.	73.	76.	82.	77.
16 50 29	48.	0.	22.	67.	279.	24.7	253.	96.	116.	73.	76.	83.	72.
16 50 34	47.	0.	23.	63.	298.	24.1	251.	100.	113.	73.	79.	84.	77.
16 50 40	47.	0.	22.	66.	295.	24.2	253.	100.	116.	72.	78.	84.	72.
16 50 45	46.	0.	22.	65.	282.	24.4	257.	88.	113.	72.	74.	82.	76.
16 50 50	47.	0.	21.	65.	277.	24.3	253.	92.	113.	73.	75.	82.	77.
16 50 55	46.	0.	22.	60.	290.	23.1	257.	106.	117.	72.	79.	84.	70.
16 51 0	47.	0.	22.	62.	291.	23.9	251.	100.	118.	73.	76.	83.	73.
16 51 13	48.	0.	21.	63.	276.	24.2	239.	100.	115.	74.	77.	86.	66.
16 51 10	48.	0.	22.	66.	273.	23.9	246.	99.	117.	74.	78.	84.	74.
16 51 15	47.	0.	24.	69.	290.	23.2	251.	102.	114.	71.	74.	82.	71.
16 51 20	47.	0.	22.	68.	281.	24.1	253.	100.	115.	74.	76.	83.	73.
16 51 25	48.	0.	23.	65.	280.	24.9	239.	95.	115.	69.	70.	82.	69.
16 51 30	46.	0.	22.	65.	277.	24.3	243.	96.	115.	*000000.	74.	83.	74.
16 51 35	46.	0.	23.	64.	285.	25.2	252.	93.	119.	LOW	76.	84.	69.
16 51 40	47.	0.	22.	65.	275.	24.1	249.	95.	116.	LOW	76.	84.	74.
16 51 45	46.	1.	22.	68.	279.	24.7	253.	101.	113.	LOW	74.	81.	71.
16 51 50	46.	0.	23.	66.	277.	24.6	255.	101.	114.	LOW	74.	77.	72.
16 51 55	47.	0.	22.	61.	287.	23.8	254.	87.	117.	LOW	77.	81.	71.
16 52 0	47.	0.	22.	63.	279.	23.8	248.	99.	117.	LOW	77.	84.	71.
16 52 5	47.	0.	22.	67.	279.	23.9	257.	98.	114.	LOW	76.	82.	74.
16 52 10	47.	0.	23.	69.	288.	24.9	259.	101.	115.	LOW	78.	83.	73.
16 52 15	47.	0.	22.	64.	298.	23.2	251.	91.	117.	LOW	73.	82.	71.
16 52 20	47.	0.	22.	66.	293.	23.6	245.	95.	116.	LOW	76.	84.	72.
16 52 25	47.	0.	22.	66.	281.	23.9	263.	95.	115.	LOW	74.	83.	71.
16 52 35	47.	0.	23.	68.	282.	23.8	256.	100.	119.	LOW	75.	83.	74.
16 52 40	46.	0.	23.	73.	280.	24.4	239.	102.	115.	LOW	82.	86.	71.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 29 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 39 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
16 52 45	48.	0.	23.	60.	283.	24.7	241.	99.	115.	LOW	80.	83.	73.
16 52 45	47.	0.	24.	68.	290.	23.8	245.	102.	115.	LOW	75.	82.	69.
16 52 50	47.	0.	22.	66.	288.	24.1	250.	99.	116.	LOW	78.	83.	70.
16 52 55	47.	0.	22.	60.	265.	22.8	249.	101.	115.	LOW	78.	84.	76.
16 53 0	47.	0.	23.	60.	273.	23.8	253.	103.	117.	LOW	75.	83.	74.
16 53 13	46.	0.	22.	66.	282.	24.1	252.	106.	114.	LOW	76.	80.	67.
16 53 10	48.	0.	23.	67.	284.	24.3	256.	103.	115.	LOW	78.	83.	69.
16 53 16	48.	0.	24.	65.	285.	24.5	249.	108.	113.	LOW	82.	85.	73.
16 53 21	46.	0.	23.	65.	282.	24.4	246.	102.	116.	LOW	79.	85.	72.
16 53 26	46.	0.	22.	65.	290.	23.8	250.	100.	113.	LOW	79.	86.	74.
16 53 31	48.	0.	22.	66.	286.	23.5	246.	99.	114.	LOW	78.	85.	75.
16 53 36	47.	0.	25.	61.	296.	24.2	239.	101.	117.	LOW	74.	84.	69.
16 53 41	47.	0.	23.	61.	293.	24.3	242.	101.	119.	LOW	78.	85.	72.
16 53 46	48.	-0.	23.	74.	284.	25.5	252.	70.	117.	LOW	82.	86.	69.
16 53 51	48.	0.	23.	73.	280.	24.7	248.	88.	118.	LOW	78.	83.	69.
16 53 56	46.	0.	21.	65.	291.	24.5	250.	100.	114.	LOW	77.	86.	76.
16 54 1	47.	0.	22.	63.	293.	24.3	251.	99.	116.	LOW	78.	86.	73.
16 54 6	47.	0.	23.	69.	290.	24.5	255.	93.	120.	LOW	74.	84.	76.
16 54 11	47.	0.	23.	69.	294.	24.2	253.	101.	119.	LOW	76.	84.	73.
16 54 16	47.	0.	22.	66.	285.	24.2	252.	98.	116.	LOW	83.	86.	73.
16 54 21	47.	0.	23.	66.	284.	24.3	246.	104.	117.	LOW	80.	85.	71.
16 54 26	48.	0.	22.	66.	290.	23.1	254.	94.	113.	LOW	79.	85.	69.
16 54 31	48.	0.	23.	64.	283.	23.4	255.	96.	118.	LOW	78.	85.	73.
16 54 36	48.	0.	23.	71.	308.	23.9	254.	97.	118.	LOW	82.	85.	71.
16 54 41	48.	0.	22.	69.	271.	24.1	226.	76.	115.	LOW	77.	85.	73.
16 54 46	47.	0.	22.	68.	229.	25.1	187.	54.	115.	LOW	79.	88.	69.
16 54 51	46.	0.	22.	68.	220.	24.8	185.	44.	114.	LOW	78.	87.	70.
16 54 56	46.	0.	23.	61.	187.	24.1	175.	27.	110.	LOW	74.	84.	73.
16 55 1	45.	0.	24.	65.	192.	24.3	174.	33.	109.	LOW	77.	86.	73.
16 55 6	44.	0.	24.	71.	202.	24.4	179.	28.	109.	LOW	78.	82.	76.
16 55 9	44.	0.	24.	70.	210.	24.7	177.	28.	109.	LOW	78.	84.	76.
16 56 19	44.	0.	23.	57.	221.	24.1	177.	32.	110.	LOW	74.	87.	78.
16 56 24	44.	0.	24.	66.	213.	24.3	179.	28.	113.	LOW	78.	87.	76.
16 56 29	45.	0.	24.	65.	208.	24.4	188.	29.	110.	LOW	78.	86.	78.
16 56 29	45.	0.	24.	65.	210.	24.3	176.	30.	111.	LOW	78.	86.	76.
16 56 34	45.	0.	25.	65.	218.	25.1	183.	32.	113.	LOW	82.	85.	76.
16 56 39	45.	0.	25.	65.	213.	24.9	169.	28.	109.	LOW	80.	85.	74.
16 56 49	44.	0.	23.	66.	205.	24.6	181.	37.	112.	LOW	81.	85.	75.
16 56 54	44.	0.	24.	65.	199.	24.4	177.	33.	110.	LOW	79.	85.	75.
16 56 59	44.	0.	25.	71.	212.	24.8	177.	22.	109.	LOW	80.	85.	75.
16 56 59	45.	0.	25.	70.	209.	24.7	175.	26.	109.	LOW	79.	86.	73.
16 57 4	44.	0.	25.	61.	202.	23.9	174.	37.	110.	LOW	80.	89.	75.
16 57 9	45.	0.	25.	62.	204.	24.1	172.	36.	113.	LOW	77.	88.	76.
16 57 14	46.	0.	25.	66.	207.	24.5	172.	29.	110.	LOW	76.	88.	80.
16 57 19	45.	0.	25.	68.	203.	24.7	172.	33.	110.	LOW	76.	87.	79.
16 57 24	46.	0.	25.	67.	206.	24.9	176.	34.	110.	LOW	78.	87.	69.
16 57 30	45.	0.	25.	66.	207.	24.5	172.	34.	110.	LOW	79.	86.	72.
16 57 35	46.	-0.	23.	70.	207.	24.7	175.	30.	113.	LOW	79.	85.	75.
16 57 40	45.	0.	26.	66.	207.	24.6	172.	26.	111.	LOW	78.	84.	74.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BSTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MANF FWD L/H	EC 107 TEMP AMB MANF FWD R/H	EC 108 TEMP AMB MANF AFT L/H
09													
16 57 45	45.	0.	26.	67.	210.	24.7	174.	32.	109.	LOW	80.	84.	73.
16 57 50	45.	0.	28.	68.	209.	24.7	171.	33.	110.	LOW	80.	86.	73.
16 57 55	44.	0.	28.	75.	204.	25.0	177.	37.	112.	LOW	79.	86.	73.
16 58 0	44.	0.	26.	74.	202.	25.3	179.	34.	111.	LOW	80.	87.	76.
16 58 5	45.	0.	27.	63.	199.	25.1	154.	29.	113.	LOW	82.	86.	74.
16 58 10	45.	0.	26.	68.	205.	24.7	173.	33.	112.	LOW	78.	86.	76.
16 58 15	45.	-0.	26.	74.	211.	24.2	156.	34.	112.	LOW	81.	89.	71.
16 58 20	45.	0.	27.	70.	209.	23.9	160.	34.	112.	LOW	82.	88.	72.
16 58 25	45.	-0.	24.	64.	207.	25.0	184.	24.	113.	LOW	77.	85.	80.
16 58 30	44.	-0.	21.	60.	195.	24.9	178.	27.	111.	LOW	77.	86.	76.
16 58 35	44.	0.	24.	73.	215.	24.9	181.	29.	111.	LOW	81.	86.	79.
16 58 40	44.	-0.	24.	69.	217.	24.6	175.	32.	110.	LOW	80.	83.	78.
16 58 45	44.	0.	25.	66.	205.	25.1	177.	41.	111.	LOW	76.	86.	80.
16 58 55	44.	0.	24.	61.	205.	24.2	176.	40.	112.	LOW	79.	86.	78.
16 59 0	44.	0.	27.	68.	193.	25.1	185.	40.	111.	LOW	80.	86.	74.
16 59 0	44.	0.	26.	63.	201.	25.3	151.	37.	110.	LOW	80.	87.	76.
16 59 5	45.	0.	26.	64.	199.	25.1	172.	31.	111.	LOW	82.	87.	72.
16 59 10	44.	0.	26.	63.	201.	24.2	166.	31.	111.	LOW	80.	88.	76.
16 59 15	45.	-0.	25.	73.	220.	23.9	165.	27.	110.	LOW	76.	85.	79.
16 59 25	45.	-0.	24.	70.	220.	24.4	169.	22.	111.	LOW	79.	85.	76.
16 59 30	45.	0.	24.	68.	210.	25.3	166.	20.	110.	LOW	78.	86.	80.
16 59 35	45.	0.	24.	69.	211.	25.1	156.	25.	111.	LOW	77.	86.	77.
16 59 35	44.	0.	26.	76.	202.	24.5	172.	28.	109.	LOW	76.	87.	73.
16 59 40	45.	0.	25.	73.	199.	24.5	170.	33.	109.	LOW	78.	86.	74.
16 59 45	44.	0.	26.	69.	207.	24.4	176.	31.	112.	LOW	76.	87.	81.
16 59 50	44.	0.	27.	68.	211.	24.5	170.	29.	111.	LOW	79.	86.	77.
16 59 55	44.	0.	26.	65.	205.	25.2	165.	24.	112.	LOW	80.	86.	74.
17 0 0	44.	0.	27.	68.	208.	25.1	159.	23.	110.	LOW	77.	85.	74.
17 45 23	44.	-0.	26.	63.	199.	24.8	176.	23.	103.	LOW	77.	80.	75.
17 45 28	45.	-0.	25.	61.	204.	24.3	183.	24.	109.	LOW	76.	78.	74.
17 45 33	45.	0.	28.	65.	196.	25.0	182.	35.	110.	LOW	73.	78.	76.
17 45 39	44.	-0.	26.	64.	205.	25.1	178.	37.	110.	LOW	74.	78.	77.
17 45 44	45.	0.	27.	55.	210.	25.3	166.	28.	108.	LOW	72.	77.	78.
17 45 49	45.	-0.	26.	59.	210.	25.4	169.	32.	109.	LOW	73.	77.	77.
17 45 54	45.	0.	27.	62.	217.	24.8	169.	21.	112.	LOW	76.	77.	76.
17 45 59	45.	0.	27.	60.	212.	24.4	172.	22.	112.	LOW	72.	77.	76.
17 46 4	45.	0.	27.	65.	203.	25.0	165.	40.	113.	LOW	81.	78.	73.
17 46 9	45.	0.	27.	64.	203.	24.7	173.	33.	111.	LOW	79.	79.	74.
17 46 14	45.	0.	26.	61.	217.	24.3	174.	29.	112.	LOW	82.	77.	71.
17 46 19	45.	0.	27.	62.	212.	24.5	173.	29.	113.	LOW	79.	78.	70.
17 46 32	44.	-0.	26.	63.	211.	25.0	173.	30.	111.	LOW	78.	80.	74.
17 46 29	45.	-0.	26.	63.	212.	25.1	173.	27.	111.	LOW	79.	77.	73.
17 46 34	45.	-0.	23.	62.	200.	24.4	176.	39.	113.	LOW	76.	78.	69.
17 46 39	45.	-0.	24.	60.	205.	24.8	178.	38.	114.	LOW	76.	78.	74.
17 47 37	45.	-0.	26.	64.	208.	25.6	183.	26.	113.	LOW	74.	-151.	76.
17 47 42	44.	-0.	26.	61.	207.	25.5	158.	33.	113.	LOW	78.	-36.	75.
17 47 47	45.	0.	26.	62.	204.	25.1	184.	29.	113.	LOW	77.	80.	73.
17 47 52	45.	-0.	26.	63.	207.	24.9	174.	32.	112.	LOW	74.	79.	75.
17 47 57	45.	0.	28.	65.	210.	25.0	178.	23.	111.	LOW	92.	78.	69.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTMR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET SIDE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
09													
17 58 33	45.	0.	28.	65.	205.	25.1	179.	27.	110.	LOW	79.	77.	75.
17 58 38	45.	0.	27.	62.	202.	26.0	176.	37.	111.	LOW	69.	78.	78.
17 58 43	45.	0.	26.	59.	200.	25.4	176.	34.	112.	LOW	74.	79.	77.
17 58 48	45.	0.	26.	64.	213.	25.9	165.	27.	112.	LOW	71.	78.	78.
17 58 53	45.	0.	26.	62.	211.	25.6	172.	33.	113.	LOW	74.	79.	76.
17 58 58	46.	-0.	24.	63.	211.	25.6	184.	31.	112.	LOW	78.	82.	69.
17 59 3	45.	-0.	26.	61.	205.	25.0	178.	34.	112.	LOW	84.	80.	70.
17 59 8	45.	-0.	25.	61.	212.	25.8	172.	30.	109.	LOW	80.	80.	73.
17 59 13	45.	0.	26.	64.	203.	25.7	173.	32.	112.	LOW	80.	77.	74.
17 59 18	44.	0.	26.	62.	205.	25.9	161.	32.	110.	LOW	76.	79.	77.
17 59 23	44.	0.	27.	62.	210.	25.9	168.	35.	111.	LOW	70.	80.	77.
17 59 28	45.	0.	28.	63.	211.	27.0	178.	34.	112.	LOW	80.	81.	71.
17 59 33	45.	0.	27.	61.	210.	25.1	171.	32.	111.	LOW	81.	80.	72.
17 59 38	44.	0.	25.	61.	208.	25.0	177.	32.	111.	LOW	79.	78.	63.
18 6 39	22.	-0.	24.	30.	118.	25.9	86.	18.	56.	LOW	77.	77.	69.
18 6 44	0.	-0.	16.	15.	5.	25.9	-1.	0.	1.	LOW	79.	78.	75.
18 6 49	0.	-0.	16.	12.	12.	26.9	2.	3.	1.	LOW	76.	78.	76.
18 6 54	0.	0.	15.	13.	5.	26.4	4.	2.	1.	LOW	78.	78.	76.
18 6 59	0.	-0.	16.	13.	11.	25.6	2.	4.	1.	LOW	77.	78.	75.
18 7 4	0.	-0.	14.	11.	10.	27.1	2.	5.	1.	LOW	74.	78.	74.
18 7 9	0.	-0.	15.	13.	10.	27.0	0.	1.	1.	LOW	76.	79.	76.
18 7 14	0.	0.	14.	11.	7.	26.8	0.	0.	1.	LOW	77.	77.	74.
18 7 24	0.	0.	15.	12.	11.	25.6	-1.	0.	1.	LOW	76.	75.	71.
18 7 39	1.	-0.	14.	10.	4.	26.5	-1.	5.	1.	LOW	78.	78.	76.
18 7 44	0.	-0.	15.	12.	11.	25.6	-2.	4.	1.	LOW	78.	79.	75.
18 7 44	0.	0.	12.	14.	-1.	26.3	1.	3.	1.	LOW	78.	78.	76.
18 7 49	1.	0.	13.	13.	2.	26.5	1.	1.	1.	LOW	78.	76.	76.
18 7 54	-0.	0.	15.	12.	19.	27.3	-1.	2.	1.	LOW	77.	78.	74.
18 7 59	0.	0.	15.	12.	14.	25.9	1.	4.	1.	LOW	78.	79.	74.
18 8 4	-0.	-0.	16.	13.	15.	26.8	-1.	3.	1.	LOW	81.	79.	76.
18 8 9	-0.	-0.	15.	12.	15.	25.9	1.	4.	1.	LOW	80.	79.	76.
18 8 14	-0.	-0.	15.	13.	17.	25.8	0.	4.	-0.	LOW	78.	78.	73.
18 8 20	-0.	-0.	14.	13.	15.	26.7	0.	2.	0.	LOW	76.	78.	74.
18 8 25	-0.	0.	9.	11.	12.	27.0	0.	0.	1.	LOW	80.	80.	76.
18 8 30	0.	0.	12.	12.	14.	27.0	-1.	0.	2.	LOW	78.	79.	75.
18 20 38	0.	-0.	14.	9.	7.	27.0	5.	3.	5.	76.	84.	84.	76.
18 20 43	-1.	-0.	13.	10.	11.	25.9	4.	3.	3.	75.	83.	83.	75.
18 21 9	1.	0.	13.	11.	18.	26.7	3.	-1.	2.	74.	82.	82.	76.
18 21 14	-1.	-0.	11.	4.	12.	26.1	-1.	-3.	-1.	79.	86.	86.	81.
18 21 14	-1.	-0.	9.	-8.	4.	25.5	-9.	-5.	-2.	82.	84.	80.	84.
18 21 19	-1.	-0.	10.	-9.	5.	25.8	-6.	-3.	-2.	81.	87.	84.	85.
18 21 24	-0.	-0.	10.	3.	10.	26.4	1.	1.	-5.	79.	90.	89.	85.
18 21 29	-0.	-0.	12.	5.	8.	25.1	-1.	-1.	-2.	79.	84.	88.	84.
18 21 34	0.	-0.	12.	5.	5.	26.5	4.	1.	0.	78.	87.	86.	80.
18 21 39	0.	-0.	12.	2.	5.	26.5	3.	4.	0.	77.	85.	86.	80.
18 21 45	0.	0.	12.	9.	11.	26.7	0.	1.	0.	75.	84.	83.	78.
18 21 50	0.	0.	12.	9.	11.	25.7	3.	1.	1.	75.	83.	81.	79.
18 21 55	0.	-0.	12.	10.	13.	25.6	-1.	1.	1.	69.	82.	83.	78.
18 22 0	0.	0.	12.	9.	14.	25.7	-1.	0.	2.	72.	81.	82.	77.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
18 22 5	0.	-0.	12.	9.	11.	25.8	1.	2.	0.	74.	81.	76.	74.
18 22 10	1.	0.	12.	9.	11.	26.2	1.	2.	0.	75.	81.	78.	75.
18 22 15	0.	0.	12.	9.	12.	27.0	0.	1.	1.	74.	83.	80.	76.
18 22 20	0.	0.	13.	9.	11.	25.8	3.	3.	3.	74.	84.	82.	77.
18 22 25	-1.	-0.	14.	9.	10.	25.3	4.	3.	3.	74.	82.	80.	76.
18 22 30	0.	-0.	12.	8.	10.	25.5	3.	3.	1.	75.	81.	80.	76.
18 22 35	1.	0.	12.	9.	-4.	25.2	2.	-1.	1.	75.	80.	81.	76.
18 22 40	0.	0.	13.	9.	9.	25.6	3.	2.	1.	75.	81.	80.	76.
18 22 45	0.	0.	12.	11.	9.	25.7	-1.	0.	2.	75.	80.	81.	79.
18 22 50	0.	-0.	13.	10.	11.	26.6	0.	1.	2.	75.	82.	81.	78.
18 22 55	0.	-0.	11.	9.	15.	25.5	3.	3.	1.	75.	84.	83.	74.
18 23 0	1.	-0.	12.	9.	11.	25.5	4.	1.	3.	75.	84.	81.	76.

C COMMUTATOR

TIME H/M/S	EC 109 TEMP AMB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 456	EC 111 TEMP WEAPNS BAY STA 406	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
16 19 3	71.	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 8	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 13	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 31	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 28	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 33	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 33	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 38	69.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 43	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 48	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 53	71.	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 58	70.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 20 4	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 20 9	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 26	72.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 31	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 36	72.	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 41	72.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 46	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 51	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 56	72.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 1	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 6	69.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 11	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 16	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 21	70.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 34	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 36	71.	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 41	73.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 46	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 51	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 56	72.	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 1	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 9	70.	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 6	70.	LOW	69.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 11	70.	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 16	71.	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 21	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 26	70.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 32	70.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 63 37	71.	LOW	69.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 42	70.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 47	71.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 52	70.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 57	69.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EC 109 TEMP AMB AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 450	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
16 38 34	70.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 39	69.	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 44	70.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 49	71.	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 54	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 59	72.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 4	71.	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 9	73.	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 14	72.	LOW	70.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 19	72.	LOW	75.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 24	72.	LOW	76.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 29	68.	LOW	80.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 34	69.	LOW	81.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 39	68.	LOW	82.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 44	68.	LOW	83.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 79 49	73.	LOW	86.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 59	73.	LOW	86.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 4	70.	LOW	88.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 9	71.	LOW	88.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 9	69.	LOW	92.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 14	70.	LOW	89.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 19	70.	LOW	94.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 29	71.	LOW	94.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 34	73.	LOW	95.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 34	72.	LOW	95.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 46 33	69.	158.	157.	98.	71.	87.	85.	101.	95.	LOW	53.	83.	90.
16 46 38	69.	155.	157.	91.	69.	72.	66.	107.	93.	LOW	58.	86.	54.
16 46 43	70.	158.	164.	89.	69.	56.	66.	107.	93.	LOW	66.	89.	53.
16 46 53	70.	158.	163.	87.	69.	89.	56.	107.	93.	*737656.	68.	72.	58.
16 46 53	70.	156.	160.	87.	69.	72.	66.	110.	92.	-2.	66.	68.	53.
16 46 58	69.	155.	165.	86.	70.	59.	65.	109.	92.	-21.	66.	66.	54.
16 47 3	71.	163.	175.	96.	71.	82.	65.	101.	94.	42.	72.	68.	61.
16 47 8	72.	164.	171.	86.	70.	55.	65.	102.	94.	48.	71.	70.	64.
16 47 13	71.	160.	162.	84.	68.	73.	66.	107.	93.	61.	71.	74.	61.
16 47 23	70.	161.	169.	85.	69.	58.	55.	106.	94.	65.	70.	71.	60.
16 47 28	70.	167.	172.	82.	69.	87.	66.	103.	95.	58.	65.	63.	54.
16 47 28	71.	163.	170.	82.	69.	58.	66.	105.	90.	66.	71.	69.	59.
16 47 33	69.	162.	163.	79.	69.	71.	65.	111.	93.	142.	71.	74.	67.
16 47 38	70.	165.	166.	80.	69.	72.	65.	108.	94.	108.	69.	70.	63.
16 47 43	69.	167.	178.	79.	69.	53.	65.	103.	95.	88.	73.	71.	63.
16 47 48	69.	164.	174.	79.	69.	70.	66.	107.	94.	79.	71.	71.	59.
16 47 53	71.	174.	171.	79.	71.	54.	55.	100.	100.	74.	61.	64.	66.
16 47 58	70.	169.	174.	79.	70.	86.	66.	105.	97.	85.	66.	69.	64.
16 48 4	71.	163.	171.	78.	69.	73.	66.	112.	95.	69.	71.	70.	64.
16 48 9	71.	164.	171.	78.	68.	72.	55.	110.	95.	73.	69.	67.	60.
16 48 14	71.	169.	179.	79.	69.	58.	65.	106.	94.	71.	73.	68.	66.
16 48 19	70.	167.	176.	78.	67.	70.	65.	110.	94.	82.	71.	70.	65.
16 48 24	69.	167.	173.	78.	69.	74.	65.	106.	95.	110.	69.	67.	60.
16 48 29	70.	169.	171.	79.	69.	74.	66.	106.	96.	92.	67.	66.	57.

TIME H/M/S	EC 109 TEMP AMB MWW AFT R/H	PR 20 TEMP OIL GSD INLET L/H ENGINE	PR 22 TEMP OIL GSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 480	EC 111 TEMP WEAPNS BAY STA 480	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
16 48 34	70.	172.	170.	80.	67.	76.	66.	106.	95.	79.	65.	68.	61.
16 48 39	70.	171.	172.	80.	66.	75.	65.	107.	96.	79.	66.	70.	62.
16 48 44	71.	173.	180.	80.	69.	56.	53.	107.	96.	91.	75.	71.	61.
16 48 49	70.	174.	182.	78.	69.	61.	65.	105.	97.	95.	74.	70.	61.
16 48 54	70.	176.	180.	79.	68.	64.	57.	112.	97.	90.	66.	71.	56.
16 48 59	67.	176.	177.	79.	69.	58.	57.	107.	98.	86.	65.	69.	55.
16 49 4	71.	165.	180.	80.	66.	74.	68.	116.	92.	79.	70.	69.	65.
16 49 9	70.	167.	179.	80.	65.	74.	67.	114.	93.	76.	71.	69.	64.
16 49 14	71.	170.	181.	80.	69.	59.	66.	103.	99.	84.	67.	64.	55.
16 49 19	70.	171.	183.	79.	69.	71.	65.	107.	95.	91.	71.	68.	59.
16 49 29	70.	176.	185.	80.	69.	57.	65.	95.	97.	177.	71.	66.	63.
16 49 29	71.	172.	182.	78.	68.	71.	66.	105.	93.	136.	78.	67.	62.
16 49 34	71.	171.	180.	79.	63.	76.	63.	113.	95.	108.	69.	67.	59.
16 49 39	70.	171.	184.	79.	65.	71.	65.	112.	92.	98.	71.	70.	62.
16 49 52	71.	182.	185.	80.	71.	57.	57.	100.	102.	97.	68.	67.	56.
16 49 49	69.	180.	186.	79.	69.	57.	57.	102.	100.	94.	69.	69.	61.
16 49 59	70.	180.	182.	80.	69.	78.	67.	118.	97.	143.	67.	71.	58.
16 50 4	70.	178.	183.	78.	72.	76.	67.	112.	96.	119.	68.	73.	60.
16 50 9	71.	180.	180.	80.	71.	57.	67.	106.	97.	96.	65.	62.	55.
16 50 9	70.	179.	179.	79.	70.	59.	67.	108.	97.	87.	65.	64.	54.
16 50 14	70.	175.	185.	78.	68.	76.	67.	115.	95.	95.	69.	73.	53.
16 50 19	70.	177.	187.	79.	69.	58.	66.	107.	96.	94.	68.	69.	57.
16 50 24	71.	188.	190.	82.	69.	63.	67.	104.	98.	98.	71.	64.	57.
16 50 29	71.	179.	185.	82.	64.	59.	59.	105.	98.	92.	67.	65.	57.
16 50 34	69.	180.	193.	84.	69.	65.	65.	108.	97.	116.	73.	70.	63.
16 50 40	69.	181.	187.	83.	65.	71.	66.	109.	97.	105.	70.	68.	62.
16 50 45	70.	185.	189.	83.	70.	58.	67.	105.	98.	98.	67.	64.	63.
16 50 50	71.	182.	191.	82.	69.	58.	68.	105.	98.	76.	70.	69.	57.
16 50 55	70.	178.	185.	79.	67.	80.	67.	114.	95.	93.	71.	73.	59.
16 51 0	71.	181.	187.	79.	69.	59.	67.	111.	96.	97.	68.	69.	60.
16 51 13	68.	183.	196.	78.	68.	58.	65.	107.	95.	103.	74.	77.	65.
16 51 10	69.	179.	192.	77.	67.	73.	57.	113.	95.	92.	72.	74.	66.
16 51 15	73.	185.	185.	78.	70.	73.	66.	108.	98.	94.	81.	68.	48.
16 51 20	71.	181.	191.	77.	69.	70.	66.	112.	96.	89.	68.	66.	58.
16 51 25	73.	183.	186.	79.	69.	73.	67.	107.	95.	92.	59.	63.	52.
16 51 30	70.	*000000.	192.	*000000.	*000000.	*000000.	*000000.	*000000.	*000000.	*000000.	*000000.	*000000.	*000000.
16 51 35	66.	LOW	186.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 40	69.	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 45	73.	LOW	187.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 50	74.	LOW	189.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 55	72.	LOW	176.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 0	70.	LOW	186.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 5	73.	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 10	71.	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 15	72.	LOW	191.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 20	70.	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 25	71.	LOW	189.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 35	71.	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 40	66.	LOW	188.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EC 109 TEMP APS MAIN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 450	EC 111 TEMP WEAPNS BAY STA +00	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL OIL RESERVE	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA126	EC 105 TEMP RADOME AREA TOP STA126
10													
16 52 45	67.	LOW	194.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 45	71.	LOW	191.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 50	70.	LOW	194.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 55	69.	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 0	70.	LOW	195.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 13	72.	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 10	70.	LOW	194.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 16	69.	LOW	198.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 21	69.	LOW	194.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 26	69.	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 31	69.	LOW	202.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 36	72.	LOW	194.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 41	70.	LOW	197.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 46	69.	LOW	199.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 51	71.	LOW	198.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 56	70.	LOW	203.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 1	69.	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 6	74.	LOW	198.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 11	73.	LOW	198.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 16	69.	LOW	206.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 21	70.	LOW	199.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 26	67.	LOW	199.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 31	69.	LOW	203.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 36	68.	LOW	206.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 41	70.	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 46	68.	LOW	198.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 51	70.	LOW	198.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 56	71.	LOW	199.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 55 1	68.	LOW	201.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 55 6	73.	LOW	205.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 9	72.	LOW	207.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 19	73.	LOW	211.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 24	73.	LOW	207.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 29	72.	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 29	72.	LOW	215.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 34	71.	LOW	210.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 39	72.	LOW	210.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 49	70.	LOW	209.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 54	72.	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 59	71.	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 59	72.	LOW	211.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 4	71.	LOW	215.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 9	72.	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 14	69.	LOW	218.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 19	70.	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 24	72.	LOW	209.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 30	72.	LOW	215.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 35	73.	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 40	73.	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EC 109 TEMP ARB MNW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 450	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
16 57 45	70.	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 50	70.	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 55	71.	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 0	70.	LOW	218.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 5	70.	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 10	72.	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 15	71.	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 20	71.	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 25	73.	LOW	226.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 30	72.	LOW	224.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 35	63.	LOW	227.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 40	66.	LOW	224.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 45	71.	LOW	224.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 55	71.	LOW	224.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 0	71.	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 0	71.	LOW	223.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 5	71.	LOW	223.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 10	71.	LOW	224.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 15	72.	LOW	229.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 25	72.	LOW	225.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 30	72.	LOW	226.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 35	72.	LOW	223.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 35	69.	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 40	70.	LOW	228.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 45	72.	LOW	226.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 50	71.	LOW	227.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 55	71.	LOW	222.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 0 0	72.	LOW	223.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 23	71.	LOW	279.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 28	72.	LOW	280.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 33	71.	LOW	279.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 39	72.	LOW	278.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 44	73.	LOW	277.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 49	72.	LOW	279.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 54	70.	LOW	278.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 59	71.	LOW	273.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 4	71.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 9	70.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 14	72.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 19	72.	LOW	272.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 32	70.	LOW	269.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 29	71.	LOW	271.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 34	72.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 39	72.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 37	69.	LOW	279.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 42	70.	LOW	277.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 47	69.	LOW	274.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 52	71.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 57	69.	LOW	274.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EC 109 TEMP AMB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 450	EC 111 TEMP WEAPNS BAY STA 406	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA 120	EC 105 TEMP RADOME AREA TOP STA 124
10													
17 58 33	71.	LOW	277.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 38	73.	LOW	279.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 43	71.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 48	74.	LOW	286.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 53	75.	LOW	260.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 58	69.	LOW	271.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 3	70.	LOW	273.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 8	69.	LOW	274.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 13	71.	LOW	275.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 18	73.	LOW	280.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 23	72.	LOW	277.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 28	70.	LOW	273.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 33	70.	LOW	273.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 38	73.	LOW	278.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 0 39	73.	LOW	256.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 44	71.	LOW	253.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 0 49	73.	LOW	251.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 54	73.	LOW	251.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 59	72.	LOW	249.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 4	73.	LOW	247.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 9	73.	LOW	246.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 14	73.	LOW	244.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 24	72.	LOW	244.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 39	74.	LOW	239.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 44	73.	LOW	239.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 44	74.	LOW	238.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 49	74.	LOW	238.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 54	73.	LOW	236.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 59	73.	LOW	236.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 4	73.	LOW	235.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 9	73.	LOW	234.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 14	72.	LOW	234.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 20	74.	LOW	233.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 25	74.	LOW	230.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 30	74.	LOW	231.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 23 38	78.	226.	191.	95.	80.	76.	71.	105.	91.	LOW	64.	71.	57.
18 23 43	76.	227.	190.	95.	79.	75.	71.	105.	91.	*737856.	63.	69.	52.
18 21 9	78.	227.	192.	94.	77.	76.	70.	105.	87.	52.	64.	67.	52.
18 21 14	80.	227.	195.	94.	81.	80.	73.	107.	91.	14.	72.	72.	61.
18 21 14	84.	226.	196.	100.	85.	82.	75.	110.	97.	27.	72.	74.	56.
18 21 19	84.	225.	196.	100.	82.	85.	77.	109.	96.	50.	71.	74.	57.
18 21 24	82.	224.	194.	99.	83.	79.	75.	106.	87.	99.	75.	81.	65.
18 21 29	82.	224.	194.	99.	79.	79.	74.	105.	90.	98.	77.	81.	65.
18 21 34	81.	222.	194.	97.	81.	77.	71.	103.	93.	101.	78.	80.	67.
18 21 39	81.	222.	193.	96.	79.	75.	71.	103.	90.	96.	77.	78.	63.
18 21 45	74.	221.	191.	95.	79.	76.	70.	102.	90.	67.	53.	71.	54.
18 21 50	78.	221.	190.	94.	79.	75.	70.	102.	90.	56.	57.	68.	52.
18 21 55	78.	221.	189.	93.	78.	74.	69.	103.	89.	56.	63.	65.	48.
18 22 0	77.	221.	189.	92.	77.	74.	68.	102.	88.	70.	63.	67.	52.

TIME H/M/S	EC 109 TEMP AFB MAIN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 450	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
18 22 5	77.	219.	187.	91.	79.	73.	57.	101.	87.	84.	77.	73.	59.
18 22 10	77.	220.	187.	92.	77.	73.	66.	100.	87.	86.	75.	73.	59.
18 22 15	77.	221.	187.	93.	77.	74.	69.	96.	85.	121.	70.	74.	63.
18 22 20	77.	223.	186.	93.	77.	73.	69.	99.	86.	109.	74.	75.	62.
18 22 25	76.	220.	185.	93.	77.	74.	66.	101.	85.	91.	77.	76.	61.
18 22 30	76.	222.	186.	92.	75.	74.	56.	101.	86.	84.	74.	72.	57.
18 22 35	77.	220.	186.	91.	77.	74.	58.	97.	87.	77.	71.	72.	56.
18 22 40	75.	220.	186.	93.	78.	74.	66.	99.	87.	78.	69.	69.	54.
18 22 45	77.	220.	185.	93.	79.	75.	58.	103.	88.	77.	63.	65.	52.
18 22 50	78.	219.	186.	93.	79.	75.	59.	103.	88.	73.	63.	65.	58.
18 22 55	78.	219.	186.	95.	76.	75.	71.	103.	88.	88.	63.	69.	54.
18 23 0	77.	222.	186.	94.	77.	75.	70.	103.	88.	98.	68.	73.	57.

C COMMUTATOR

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC JT	EC 71 XFR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 MAX COMP UNT
11													
16 19 3	LOW	LOW	LOW	78.	LOW	80.	71.	74.	69.	61.	64.	70.	71.
16 59 8	LOW	LOW	LOW	76.	LOW	78.	71.	74.	66.	63.	64.	78.	71.
16 19 13	LOW	LOW	LOW	78.	LOW	78.	70.	71.	69.	61.	65.	71.	71.
16 19 51	LOW	LOW	LOW	77.	LOW	78.	71.	73.	70.	68.	66.	71.	70.
16 19 28	LOW	LOW	LOW	77.	LOW	80.	72.	74.	72.	65.	65.	69.	72.
16 19 33	LOW	LOW	LOW	77.	LOW	79.	71.	74.	69.	63.	65.	69.	71.
16 19 33	LOW	LOW	LOW	78.	LOW	78.	71.	74.	71.	63.	64.	78.	68.
16 19 38	LOW	LOW	LOW	78.	LOW	77.	71.	74.	69.	63.	64.	69.	69.
16 19 43	LOW	LOW	LOW	79.	LOW	79.	69.	73.	70.	61.	65.	69.	66.
16 59 48	LOW	LOW	LOW	76.	LOW	76.	71.	74.	70.	62.	65.	69.	68.
16 19 53	LOW	LOW	LOW	78.	LOW	78.	73.	76.	69.	58.	64.	68.	65.
16 59 58	LOW	LOW	LOW	77.	LOW	77.	72.	75.	69.	60.	64.	68.	67.
16 20 4	LOW	LOW	LOW	78.	LOW	79.	73.	73.	71.	64.	63.	69.	71.
16 20 9	LOW	LOW	LOW	77.	LOW	78.	72.	74.	70.	64.	64.	69.	71.
16 21 26	LOW	LOW	LOW	77.	LOW	79.	64.	69.	63.	55.	59.	63.	59.
16 21 31	LOW	LOW	LOW	76.	LOW	78.	59.	73.	70.	62.	64.	69.	67.
16 21 36	LOW	LOW	LOW	78.	LOW	77.	74.	74.	69.	61.	61.	67.	67.
16 21 41	LOW	LOW	LOW	78.	LOW	75.	75.	76.	72.	65.	65.	78.	66.
16 21 46	LOW	LOW	LOW	76.	LOW	77.	73.	76.	70.	67.	71.	74.	74.
16 21 51	LOW	LOW	LOW	76.	LOW	78.	74.	77.	73.	67.	66.	74.	75.
16 21 56	LOW	LOW	LOW	78.	LOW	77.	71.	69.	68.	59.	66.	65.	63.
16 22 1	LOW	LOW	LOW	78.	LOW	76.	73.	73.	72.	65.	65.	78.	71.
16 22 6	LOW	LOW	LOW	77.	LOW	76.	65.	69.	64.	59.	53.	65.	67.
16 22 11	LOW	LOW	LOW	78.	LOW	78.	68.	71.	66.	58.	57.	65.	68.
16 22 16	LOW	LOW	LOW	79.	LOW	80.	64.	68.	61.	55.	60.	63.	64.
16 22 21	LOW	LOW	LOW	79.	LOW	78.	65.	69.	64.	55.	63.	67.	68.
16 22 34	LOW	LOW	LOW	79.	LOW	76.	72.	74.	73.	71.	69.	75.	76.
16 22 36	LOW	LOW	LOW	80.	LOW	76.	71.	72.	70.	66.	66.	70.	73.
16 22 41	LOW	LOW	LOW	79.	LOW	78.	71.	74.	73.	67.	67.	72.	74.
16 22 46	LOW	LOW	LOW	80.	LOW	77.	72.	74.	74.	68.	68.	73.	75.
16 22 51	LOW	LOW	LOW	80.	LOW	74.	71.	73.	71.	63.	66.	72.	72.
16 22 56	LOW	LOW	LOW	81.	LOW	76.	69.	72.	68.	59.	62.	69.	69.
16 23 1	LOW	LOW	LOW	80.	LOW	76.	51.	67.	64.	56.	59.	69.	67.
16 23 9	LOW	LOW	LOW	80.	LOW	74.	64.	69.	67.	59.	62.	71.	71.
16 23 6	LOW	LOW	LOW	81.	LOW	74.	62.	66.	63.	57.	59.	69.	69.
16 23 11	LOW	LOW	LOW	81.	LOW	76.	55.	68.	58.	56.	58.	67.	66.
16 23 16	LOW	LOW	LOW	81.	LOW	75.	58.	71.	66.	56.	58.	67.	64.
16 23 21	LOW	LOW	LOW	80.	LOW	75.	69.	73.	69.	60.	62.	72.	71.
16 23 26	LOW	LOW	LOW	84.	LOW	75.	62.	63.	61.	49.	53.	61.	65.
16 23 32	LOW	LOW	LOW	82.	LOW	75.	53.	65.	62.	49.	54.	63.	65.
16 23 37	LOW	LOW	LOW	80.	LOW	76.	59.	62.	63.	50.	52.	67.	66.
16 23 42	LOW	LOW	LOW	80.	LOW	75.	62.	65.	64.	51.	53.	66.	65.
16 23 47	LOW	LOW	LOW	82.	LOW	75.	57.	71.	63.	52.	53.	66.	64.
16 23 52	LOW	LOW	LOW	81.	LOW	75.	53.	67.	62.	51.	52.	65.	64.
16 23 57	LOW	LOW	LOW	81.	LOW	73.	65.	69.	66.	54.	56.	78.	69.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
16 38 34	LOW	LOW	LOW	83.	LOW	72.	58.	60.	59.	43.	44.	62.	61.
16 38 39	LOW	LOW	LOW	84.	LOW	71.	53.	56.	61.	40.	42.	63.	59.
16 38 44	LOW	LOW	LOW	85.	LOW	71.	55.	55.	61.	39.	39.	62.	58.
16 38 49	LOW	LOW	LOW	86.	LOW	70.	56.	56.	61.	42.	39.	61.	56.
16 38 54	LOW	LOW	LOW	86.	LOW	70.	53.	54.	56.	39.	38.	57.	56.
16 38 59	LOW	LOW	LOW	87.	LOW	68.	56.	52.	56.	37.	36.	58.	56.
16 39 4	LOW	LOW	LOW	87.	LOW	69.	56.	56.	60.	40.	40.	61.	56.
16 39 9	LOW	LOW	LOW	80.	LOW	73.	49.	50.	51.	31.	35.	54.	51.
16 39 14	LOW	LOW	LOW	83.	LOW	53.	56.	50.	54.	33.	34.	54.	52.
16 39 19	LOW	LOW	LOW	86.	LOW	67.	54.	56.	57.	40.	42.	61.	53.
16 39 24	LOW	LOW	LOW	85.	LOW	53.	54.	55.	55.	41.	43.	63.	56.
16 39 29	LOW	LOW	LOW	79.	LOW	71.	56.	59.	66.	45.	42.	64.	59.
16 39 34	LOW	LOW	LOW	83.	LOW	70.	57.	58.	63.	39.	41.	63.	56.
16 39 39	LOW	LOW	LOW	85.	LOW	69.	48.	32.	52.	33.	39.	56.	55.
16 39 44	LOW	LOW	LOW	85.	LOW	70.	51.	42.	56.	37.	39.	59.	57.
16 39 49	LOW	LOW	LOW	84.	LOW	71.	56.	55.	61.	42.	40.	61.	59.
16 39 59	LOW	LOW	LOW	85.	LOW	71.	53.	53.	57.	37.	39.	60.	57.
16 40 4	LOW	LOW	LOW	87.	LOW	69.	54.	55.	57.	39.	40.	61.	57.
16 40 9	LOW	LOW	LOW	86.	LOW	70.	51.	53.	56.	37.	39.	60.	57.
16 40 9	LOW	LOW	LOW	86.	LOW	71.	58.	58.	62.	42.	42.	63.	59.
16 40 14	LOW	LOW	LOW	85.	LOW	71.	55.	54.	59.	40.	40.	61.	58.
16 40 19	LOW	LOW	LOW	98.	LOW	70.	54.	56.	58.	38.	39.	58.	56.
16 40 29	LOW	LOW	LOW	69.	LOW	67.	55.	57.	59.	40.	39.	59.	57.
16 40 34	LOW	LOW	LOW	83.	LOW	71.	54.	54.	60.	43.	41.	63.	60.
16 40 34	LOW	LOW	LOW	85.	LOW	71.	55.	55.	59.	41.	40.	62.	58.
16 46 33	120.	99.	76.	82.	70.	59.	48.	40.	40.	32.	35.	54.	56.
16 46 38	109.	94.	76.	84.	71.	68.	44.	44.	44.	40.	40.	59.	61.
16 46 43	108.	95.	80.	82.	75.	69.	44.	43.	51.	36.	37.	54.	59.
16 46 53	104.	91.	76.	86.	73.	66.	51.	49.	55.	40.	40.	55.	59.
16 46 53	95.	87.	73.	88.	71.	67.	51.	49.	58.	42.	44.	61.	64.
16 46 58	102.	92.	75.	86.	70.	69.	46.	40.	55.	38.	40.	57.	59.
16 47 3	112.	104.	76.	88.	70.	71.	48.	32.	49.	30.	33.	50.	50.
16 47 8	110.	104.	76.	89.	71.	70.	50.	43.	51.	38.	35.	54.	54.
16 47 13	103.	98.	74.	89.	71.	67.	50.	56.	60.	47.	43.	60.	58.
16 47 23	102.	92.	74.	89.	71.	69.	53.	52.	57.	40.	40.	55.	57.
16 47 28	110.	102.	76.	83.	71.	73.	45.	46.	54.	37.	39.	58.	56.
16 47 28	108.	97.	75.	85.	70.	71.	51.	49.	59.	41.	41.	60.	58.
16 47 33	97.	94.	76.	88.	71.	67.	54.	52.	56.	42.	39.	59.	59.
16 47 38	107.	99.	77.	85.	70.	69.	51.	52.	57.	41.	41.	60.	59.
16 47 43	108.	97.	74.	86.	71.	71.	42.	44.	46.	29.	33.	50.	48.
16 47 48	105.	96.	77.	87.	70.	70.	49.	49.	53.	35.	37.	55.	53.
16 47 53	110.	105.	71.	84.	69.	66.	48.	48.	50.	39.	40.	56.	60.
16 47 58	104.	95.	72.	88.	69.	67.	49.	49.	50.	36.	38.	54.	56.
16 48 4	103.	97.	74.	88.	71.	69.	54.	54.	56.	42.	44.	58.	61.
16 48 9	104.	98.	76.	86.	70.	69.	52.	53.	57.	43.	45.	60.	63.
16 48 14	106.	96.	74.	83.	69.	71.	37.	43.	48.	31.	36.	52.	54.
16 48 19	103.	94.	75.	87.	67.	66.	47.	43.	53.	38.	39.	55.	56.
16 48 24	106.	100.	78.	87.	69.	69.	52.	53.	57.	41.	43.	58.	61.
16 48 29	108.	101.	77.	86.	70.	69.	53.	53.	58.	43.	38.	59.	57.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROBES	EC 69 LD VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CABC	EC 74 NAK COMP UNT
16 48 34	105.	101.	76.	86.	69.	66.	54.	52.	56.	42.	41.	58.	59.
16 48 39	106.	102.	76.	87.	69.	67.	51.	51.	57.	40.	41.	57.	59.
16 48 44	106.	97.	73.	87.	72.	66.	48.	45.	50.	35.	36.	53.	54.
16 48 49	107.	97.	74.	86.	71.	66.	49.	45.	49.	34.	36.	53.	54.
16 48 54	106.	97.	73.	84.	71.	69.	46.	42.	48.	33.	33.	48.	54.
16 48 59	106.	98.	74.	85.	71.	67.	47.	45.	51.	39.	38.	55.	59.
16 49 4	96.	94.	76.	90.	69.	69.	53.	59.	59.	43.	44.	60.	61.
16 49 9	100.	95.	77.	91.	70.	69.	54.	57.	57.	41.	44.	59.	60.
16 49 14	110.	103.	74.	93.	71.	69.	46.	44.	54.	37.	42.	58.	59.
16 49 19	105.	97.	76.	85.	70.	69.	48.	46.	54.	36.	39.	56.	57.
16 49 29	105.	95.	73.	87.	67.	66.	48.	44.	44.	35.	33.	52.	54.
16 49 29	103.	96.	76.	87.	68.	69.	52.	51.	51.	40.	40.	57.	59.
16 49 34	101.	95.	79.	88.	70.	69.	57.	58.	59.	43.	46.	60.	61.
16 49 39	102.	94.	78.	88.	69.	69.	58.	52.	54.	39.	41.	56.	58.
16 49 52	113.	97.	76.	84.	71.	68.	44.	44.	53.	35.	36.	54.	56.
16 49 49	110.	97.	74.	86.	71.	68.	45.	43.	49.	32.	34.	52.	54.
16 49 59	108.	96.	79.	87.	71.	69.	57.	53.	59.	42.	42.	61.	61.
16 50 4	101.	93.	78.	89.	72.	68.	55.	52.	56.	41.	40.	57.	60.
16 50 9	110.	106.	76.	84.	69.	69.	42.	47.	51.	39.	42.	60.	63.
16 50 9	108.	102.	80.	84.	69.	68.	47.	49.	55.	42.	44.	62.	64.
16 50 14	98.	91.	77.	90.	71.	67.	55.	54.	56.	43.	39.	56.	58.
16 50 19	103.	95.	74.	89.	70.	67.	49.	49.	51.	38.	35.	52.	57.
16 50 24	110.	97.	73.	84.	71.	70.	48.	43.	48.	34.	37.	52.	54.
16 50 29	108.	100.	74.	85.	74.	67.	47.	48.	51.	40.	40.	55.	57.
16 50 34	104.	93.	74.	88.	68.	70.	46.	45.	49.	39.	37.	51.	56.
16 50 40	105.	96.	75.	81.	70.	69.	49.	49.	53.	44.	40.	55.	58.
16 50 45	110.	97.	75.	88.	73.	71.	45.	47.	52.	43.	42.	58.	59.
16 50 50	106.	94.	75.	82.	71.	69.	44.	46.	50.	42.	37.	54.	56.
16 50 55	104.	92.	82.	87.	73.	70.	57.	56.	58.	53.	48.	61.	60.
16 51 0	105.	95.	77.	86.	73.	65.	46.	51.	53.	50.	46.	56.	60.
16 51 13	103.	93.	74.	87.	71.	66.	45.	44.	43.	40.	35.	45.	49.
16 51 10	100.	90.	76.	88.	71.	66.	52.	53.	51.	46.	44.	53.	55.
16 51 15	110.	97.	75.	82.	71.	69.	53.	55.	58.	60.	55.	67.	63.
16 51 20	104.	95.	76.	86.	70.	68.	50.	51.	50.	53.	48.	58.	58.
16 51 25	110.	100.	75.	84.	71.	66.	54.	58.	58.	60.	56.	64.	67.
16 51 30	*000000.	*000000.	*000000.	86.	*000000.	68.	51.	54.	54.	53.	49.	57.	61.
16 51 35	LOW	LOW	LOW	88.	LOW	67.	59.	59.	56.	58.	50.	60.	61.
16 51 40	LOW	LOW	LOW	86.	LOW	69.	54.	54.	54.	48.	57.	59.	
16 51 45	LOW	LOW	LOW	85.	LOW	67.	56.	59.	55.	56.	54.	59.	65.
16 51 50	LOW	LOW	LOW	83.	LOW	65.	54.	55.	53.	56.	53.	59.	64.
16 51 55	LOW	LOW	LOW	85.	LOW	70.	54.	60.	60.	61.	56.	64.	66.
16 52 0	LOW	LOW	LOW	88.	LOW	68.	55.	58.	55.	56.	50.	57.	61.
16 52 5	LOW	LOW	LOW	82.	LOW	69.	52.	54.	54.	55.	54.	53.	65.
16 52 10	LOW	LOW	LOW	85.	LOW	69.	56.	57.	55.	57.	54.	57.	63.
16 52 15	LOW	LOW	LOW	87.	LOW	66.	57.	59.	48.	60.	56.	61.	63.
16 52 20	LOW	LOW	LOW	89.	LOW	66.	58.	59.	53.	58.	52.	57.	60.
16 52 25	LOW	LOW	LOW	87.	LOW	63.	63.	65.	59.	62.	56.	58.	66.
16 52 35	LOW	LOW	LOW	85.	LOW	58.	56.	60.	52.	57.	54.	57.	62.
16 52 40	LOW	LOW	LOW	89.	LOW	69.	59.	61.	54.	56.	52.	56.	59.

TIME H/M/S	SP 1 TEMP HYDOIL INLET OIL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC OT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
16 52 45	LOW	LOW	LOW	86.	LOW	58.	56.	59.	52.	53.	51.	56.	59.
16 52 45	LOW	LOW	LOW	85.	LOW	57.	53.	66.	58.	63.	59.	63.	69.
16 52 50	LOW	LOW	LOW	87.	LOW	58.	52.	65.	57.	59.	54.	58.	63.
16 52 55	LOW	LOW	LOW	86.	LOW	59.	53.	58.	50.	51.	48.	53.	59.
16 53 0	LOW	LOW	LOW	86.	LOW	59.	59.	62.	50.	57.	53.	56.	63.
16 53 13	LOW	LOW	LOW	86.	LOW	70.	67.	69.	64.	67.	63.	67.	69.
16 53 10	LOW	LOW	LOW	89.	LOW	59.	65.	67.	58.	62.	57.	61.	64.
16 53 16	LOW	LOW	LOW	88.	LOW	59.	50.	63.	54.	53.	49.	56.	53.
16 53 21	LOW	LOW	LOW	88.	LOW	58.	52.	64.	50.	53.	51.	58.	58.
16 53 26	LOW	LOW	LOW	90.	LOW	58.	59.	62.	51.	52.	42.	52.	54.
16 53 31	LOW	LOW	LOW	89.	LOW	57.	59.	61.	50.	58.	42.	52.	56.
16 53 36	LOW	LOW	LOW	86.	LOW	70.	70.	71.	56.	53.	56.	65.	65.
16 53 41	LOW	LOW	LOW	88.	LOW	58.	57.	68.	56.	53.	52.	59.	61.
16 53 46	LOW	LOW	LOW	88.	LOW	59.	53.	68.	53.	55.	52.	58.	59.
16 53 51	LOW	LOW	LOW	85.	LOW	59.	59.	68.	53.	57.	53.	55.	62.
16 53 56	LOW	LOW	LOW	88.	LOW	57.	62.	63.	50.	52.	45.	55.	58.
16 54 1	LOW	LOW	LOW	90.	LOW	56.	56.	67.	55.	56.	49.	57.	60.
16 54 6	LOW	LOW	LOW	83.	LOW	69.	58.	64.	54.	56.	58.	61.	64.
16 54 11	LOW	LOW	LOW	85.	LOW	57.	66.	69.	56.	59.	54.	63.	65.
16 54 16	LOW	LOW	LOW	89.	LOW	59.	57.	69.	58.	54.	50.	56.	58.
16 54 21	LOW	LOW	LOW	87.	LOW	70.	67.	70.	59.	56.	54.	60.	62.
16 54 26	LOW	LOW	LOW	90.	LOW	69.	66.	70.	56.	54.	51.	56.	66.
16 54 31	LOW	LOW	LOW	89.	LOW	58.	52.	67.	53.	58.	49.	54.	59.
16 54 36	LOW	LOW	LOW	91.	LOW	67.	68.	71.	56.	54.	48.	55.	58.
16 54 41	LOW	LOW	LOW	89.	LOW	58.	65.	70.	53.	54.	58.	57.	61.
16 54 46	LOW	LOW	LOW	91.	LOW	56.	59.	69.	55.	54.	50.	56.	61.
16 54 51	LOW	LOW	LOW	90.	LOW	66.	70.	72.	57.	57.	53.	59.	64.
16 54 56	LOW	LOW	LOW	88.	LOW	57.	70.	74.	60.	58.	54.	59.	63.
16 55 1	LOW	LOW	LOW	90.	LOW	57.	70.	73.	57.	55.	50.	56.	59.
16 55 6	LOW	LOW	LOW	86.	LOW	56.	55.	69.	46.	48.	50.	57.	61.
16 56 9	LOW	LOW	LOW	88.	LOW	58.	69.	72.	53.	50.	51.	57.	60.
16 56 19	LOW	LOW	LOW	88.	LOW	56.	59.	72.	54.	52.	52.	58.	61.
16 56 24	LOW	LOW	LOW	86.	LOW	55.	70.	74.	57.	55.	54.	60.	63.
16 56 29	LOW	LOW	LOW	88.	LOW	56.	69.	70.	54.	52.	50.	58.	59.
16 56 29	LOW	LOW	LOW	90.	LOW	57.	69.	71.	54.	52.	51.	58.	60.
16 56 34	LOW	LOW	LOW	88.	LOW	70.	72.	75.	59.	56.	56.	61.	67.
16 56 39	LOW	LOW	LOW	86.	LOW	78.	70.	74.	59.	55.	56.	62.	68.
16 56 49	LOW	LOW	LOW	86.	LOW	63.	71.	76.	59.	57.	55.	63.	66.
16 56 54	LOW	LOW	LOW	88.	LOW	60.	69.	74.	57.	55.	54.	59.	64.
16 57 59	LOW	LOW	LOW	92.	LOW	59.	59.	71.	56.	52.	52.	58.	61.
16 56 59	LOW	LOW	LOW	90.	LOW	59.	70.	73.	58.	55.	55.	61.	64.
16 57 4	LOW	LOW	LOW	91.	LOW	63.	74.	77.	58.	56.	54.	61.	64.
16 57 9	LOW	LOW	LOW	89.	LOW	68.	70.	73.	57.	54.	53.	68.	64.
16 57 14	LOW	LOW	LOW	90.	LOW	67.	66.	69.	54.	48.	50.	56.	61.
16 57 19	LOW	LOW	LOW	89.	LOW	58.	56.	69.	52.	46.	58.	57.	62.
16 57 24	LOW	LOW	LOW	89.	LOW	67.	71.	74.	61.	56.	57.	63.	65.
16 57 30	LOW	LOW	LOW	91.	LOW	58.	71.	73.	58.	53.	52.	61.	63.
16 57 35	LOW	LOW	LOW	79.	LOW	71.	64.	67.	58.	52.	55.	62.	66.
16 57 48	LOW	LOW	LOW	81.	LOW	70.	66.	68.	59.	55.	54.	63.	67.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CAOC	EC 74 NAX COMP UNT
1)													
16 57 45	LOW	LOW	LOW	91.	LOW	87.	71.	74.	58.	56.	53.	53.	65.
16 57 50	LOW	LOW	LOW	91.	LOW	88.	69.	73.	57.	55.	52.	50.	62.
16 57 55	LOW	LOW	LOW	85.	LOW	70.	66.	72.	61.	53.	55.	64.	66.
16 58 0	LOW	LOW	LOW	88.	LOW	70.	66.	69.	57.	51.	51.	60.	63.
16 58 5	LOW	LOW	LOW	89.	LOW	89.	98.	69.	59.	52.	52.	61.	65.
16 58 10	LOW	LOW	LOW	88.	LOW	89.	87.	68.	58.	52.	52.	61.	63.
16 58 15	LOW	LOW	LOW	91.	LOW	90.	87.	69.	59.	53.	52.	61.	64.
16 58 20	LOW	LOW	LOW	90.	LOW	87.	90.	70.	55.	53.	53.	60.	64.
16 58 25	LOW	LOW	LOW	88.	LOW	71.	96.	67.	58.	42.	50.	61.	65.
16 58 30	LOW	LOW	LOW	91.	LOW	89.	86.	68.	58.	48.	51.	61.	66.
16 58 35	LOW	LOW	LOW	93.	LOW	87.	95.	96.	53.	46.	48.	58.	59.
16 58 40	LOW	LOW	LOW	89.	LOW	89.	93.	64.	53.	47.	49.	59.	61.
16 58 45	LOW	LOW	LOW	90.	LOW	86.	94.	64.	53.	48.	42.	57.	61.
16 58 55	LOW	LOW	LOW	91.	LOW	87.	65.	65.	55.	49.	46.	57.	62.
16 59 0	LOW	LOW	LOW	86.	LOW	89.	95.	66.	54.	51.	50.	61.	63.
16 59 0	LOW	LOW	LOW	89.	LOW	89.	64.	65.	55.	48.	48.	58.	62.
16 59 5	LOW	LOW	LOW	92.	LOW	88.	97.	69.	56.	50.	50.	59.	63.
16 59 10	LOW	LOW	LOW	91.	LOW	88.	65.	66.	54.	48.	47.	57.	61.
16 59 15	LOW	LOW	LOW	90.	LOW	87.	60.	65.	54.	48.	46.	58.	64.
16 59 25	LOW	LOW	LOW	89.	LOW	89.	63.	68.	58.	52.	51.	62.	67.
16 59 30	LOW	LOW	LOW	91.	LOW	71.	93.	64.	56.	47.	45.	58.	61.
16 59 35	LOW	LOW	LOW	88.	LOW	70.	58.	66.	59.	51.	49.	62.	65.
16 59 35	LOW	LOW	LOW	90.	LOW	87.	85.	67.	56.	50.	53.	61.	65.
16 59 40	LOW	LOW	LOW	89.	LOW	88.	94.	67.	57.	51.	52.	63.	66.
16 59 45	LOW	LOW	LOW	86.	LOW	89.	98.	60.	54.	46.	45.	58.	63.
16 59 50	LOW	LOW	LOW	90.	LOW	89.	91.	64.	55.	47.	47.	56.	63.
16 59 55	LOW	LOW	LOW	88.	LOW	89.	93.	67.	59.	52.	50.	63.	65.
17 0 0	LOW	LOW	LOW	87.	LOW	88.	93.	67.	57.	52.	50.	63.	66.
17 45 23	LOW	LOW	LOW	93.	LOW	71.	96.	102.	80.	46.	43.	64.	74.
17 45 28	LOW	LOW	LOW	94.	LOW	78.	97.	104.	79.	46.	44.	64.	74.
17 45 33	LOW	LOW	LOW	91.	LOW	89.	100.	105.	76.	51.	44.	65.	76.
17 45 39	LOW	LOW	LOW	88.	LOW	89.	99.	104.	77.	45.	45.	63.	75.
17 45 44	LOW	LOW	LOW	91.	LOW	93.	99.	100.	78.	50.	46.	65.	75.
17 45 49	LOW	LOW	LOW	92.	LOW	86.	98.	102.	77.	41.	46.	64.	75.
17 45 54	LOW	LOW	LOW	87.	LOW	89.	95.	102.	76.	49.	43.	63.	69.
17 45 59	LOW	LOW	LOW	89.	LOW	90.	95.	104.	77.	49.	44.	61.	71.
17 46 4	LOW	LOW	LOW	92.	LOW	78.	96.	101.	73.	32.	44.	59.	72.
17 46 9	LOW	LOW	LOW	92.	LOW	88.	95.	100.	74.	38.	43.	56.	71.
17 46 14	LOW	LOW	LOW	92.	LOW	72.	95.	101.	76.	47.	45.	65.	72.
17 46 19	LOW	LOW	LOW	93.	LOW	89.	94.	100.	76.	47.	44.	63.	72.
17 46 32	LOW	LOW	LOW	90.	LOW	89.	97.	102.	76.	49.	44.	63.	72.
17 46 29	LOW	LOW	LOW	91.	LOW	88.	96.	102.	76.	48.	45.	62.	74.
17 46 34	LOW	LOW	LOW	94.	LOW	87.	98.	101.	79.	51.	45.	61.	76.
17 46 39	LOW	LOW	LOW	91.	LOW	90.	97.	102.	78.	48.	45.	62.	72.
17 47 37	LOW	LOW	LOW	92.	LOW	87.	95.	101.	72.	45.	40.	57.	71.
17 47 42	LOW	LOW	LOW	93.	LOW	88.	95.	102.	75.	46.	42.	60.	72.
17 47 47	LOW	LOW	LOW	95.	LOW	87.	97.	103.	78.	54.	44.	61.	74
17 47 52	LOW	LOW	LOW	93.	LOW	87.	97.	104.	77.	52.	45.	62.	75.
17 47 57	LOW	LOW	LOW	91.	LOW	70.	95.	105.	80.	48.	46.	64.	75.

TIME M/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CABC	EC 74 MAX COMP UNT
11													
17 58 33	LOW	LOW	LOW	91.	LOW	78.	97.	105.	90.	47.	44.	61.	73.
17 58 38	LOW	LOW	LOW	93.	LOW	89.	100.	106.	81.	50.	42.	65.	77.
17 58 43	LOW	LOW	LOW	92.	LOW	70.	98.	103.	73.	47.	41.	61.	73.
17 58 48	LOW	LOW	LOW	97.	LOW	68.	99.	105.	80.	46.	45.	65.	76.
17 58 53	LOW	LOW	LOW	96.	LOW	96.	100.	106.	80.	48.	46.	65.	76.
17 58 58	LOW	LOW	LOW	93.	LOW	69.	97.	103.	76.	48.	44.	61.	73.
17 59 3	LOW	LOW	LOW	93.	LOW	70.	97.	103.	78.	48.	45.	62.	74.
17 59 8	LOW	LOW	LOW	90.	LOW	69.	97.	105.	83.	48.	47.	65.	75.
17 59 13	LOW	LOW	LOW	94.	LOW	69.	99.	104.	82.	49.	45.	64.	74.
17 59 18	LOW	LOW	LOW	95.	LOW	69.	95.	103.	78.	46.	42.	61.	73.
17 59 23	LOW	LOW	LOW	93.	LOW	70.	97.	103.	79.	46.	44.	62.	74.
17 59 28	LOW	LOW	LOW	95.	LOW	68.	97.	104.	79.	47.	45.	62.	75.
17 59 33	LOW	LOW	LOW	93.	LOW	69.	95.	103.	76.	45.	44.	62.	74.
17 59 38	LOW	LOW	LOW	95.	LOW	68.	103.	110.	85.	55.	49.	68.	81.
18 6 39	LOW	LOW	LOW	94.	LOW	69.	94.	99.	83.	52.	47.	67.	78.
18 6 44	LOW	LOW	LOW	90.	LOW	72.	89.	77.	74.	37.	37.	60.	66.
18 6 49	LOW	LOW	LOW	91.	LOW	71.	77.	81.	74.	42.	40.	61.	67.
18 6 54	LOW	LOW	LOW	88.	LOW	70.	76.	80.	74.	40.	41.	61.	67.
18 6 59	LOW	LOW	LOW	89.	LOW	67.	80.	83.	77.	45.	44.	63.	70.
18 7 4	LOW	LOW	LOW	87.	LOW	70.	85.	85.	80.	46.	42.	60.	71.
18 7 9	LOW	LOW	LOW	89.	LOW	70.	82.	83.	76.	44.	41.	64.	67.
18 7 14	LOW	LOW	LOW	88.	LOW	69.	79.	84.	81.	48.	47.	65.	71.
18 7 24	LOW	LOW	LOW	89.	LOW	69.	82.	84.	80.	49.	46.	65.	71.
18 7 39	LOW	LOW	LOW	88.	LOW	71.	74.	76.	71.	37.	39.	57.	61.
18 7 44	LOW	LOW	LOW	90.	LOW	71.	79.	80.	73.	41.	41.	59.	64.
18 7 44	LOW	LOW	LOW	91.	LOW	71.	84.	84.	78.	44.	44.	63.	68.
18 7 49	LOW	LOW	LOW	91.	LOW	67.	85.	83.	76.	44.	43.	62.	66.
18 7 54	LOW	LOW	LOW	90.	LOW	69.	86.	84.	79.	51.	47.	63.	71.
18 7 59	LOW	LOW	LOW	90.	LOW	70.	82.	82.	76.	48.	45.	61.	69.
18 8 4	LOW	LOW	LOW	90.	LOW	71.	74.	76.	71.	35.	37.	55.	61.
18 8 9	LOW	LOW	LOW	91.	LOW	71.	75.	76.	68.	35.	37.	55.	62.
18 8 14	LOW	LOW	LOW	88.	LOW	71.	82.	84.	81.	48.	47.	65.	70.
18 8 20	LOW	LOW	LOW	90.	LOW	70.	79.	79.	75.	44.	40.	59.	66.
18 8 25	LOW	LOW	LOW	90.	LOW	73.	82.	80.	78.	44.	40.	56.	62.
18 8 38	LOW	LOW	LOW	90.	LOW	71.	82.	80.	78.	46.	43.	59.	67.
18 20 38	125.	112.	96.	95.	74.	74.	74.	69.	68.	45.	43.	54.	68.
18 20 43	123.	112.	85.	94.	72.	74.	77.	75.	73.	49.	47.	58.	71.
18 21 9	125.	113.	84.	96.	75.	74.	79.	78.	74.	49.	48.	60.	71.
18 21 14	126.	116.	87.	98.	77.	79.	78.	80.	75.	51.	52.	64.	75.
18 21 14	132.	121.	89.	98.	82.	82.	84.	85.	80.	53.	52.	72.	82.
18 21 19	132.	120.	88.	99.	81.	83.	81.	82.	80.	56.	52.	67.	76.
18 21 24	129.	119.	86.	96.	82.	81.	73.	75.	71.	46.	46.	60.	70.
18 21 29	129.	118.	86.	97.	81.	81.	72.	75.	72.	47.	47.	61.	72.
18 21 34	128.	118.	85.	95.	78.	79.	71.	75.	68.	46.	50.	68.	73.
18 21 39	127.	118.	84.	94.	77.	76.	72.	73.	72.	48.	52.	62.	74.
18 21 45	127.	116.	83.	92.	73.	77.	74.	78.	76.	53.	56.	64.	79.
18 21 50	128.	116.	84.	91.	73.	77.	77.	78.	75.	54.	54.	63.	78.
18 21 55	128.	117.	82.	92.	72.	77.	77.	78.	77.	52.	50.	58.	74.
18 22 0	128.	117.	83.	92.	72.	76.	75.	77.	76.	52.	48.	61.	75.

TIME H/M/S	SP 1 TEMP HYDRAUL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMARY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAV COMP UNT
18 22 5	128.	117.	82.	91.	73.	74.	67.	69.	66.	58.	52.	61.	75.
18 22 10	127.	116.	82.	89.	72.	75.	68.	70.	60.	48.	49.	58.	73.
18 22 15	127.	117.	82.	93.	73.	74.	67.	70.	65.	43.	37.	54.	67.
18 22 20	127.	116.	82.	92.	72.	74.	67.	69.	56.	42.	40.	53.	65.
18 22 25	127.	117.	76.	90.	73.	75.	58.	72.	70.	46.	46.	59.	70.
18 22 30	127.	117.	79.	91.	73.	75.	70.	71.	71.	48.	46.	62.	73.
18 22 35	126.	117.	83.	90.	73.	74.	71.	69.	67.	50.	50.	61.	74.
18 22 40	128.	117.	83.	91.	72.	74.	73.	74.	71.	52.	52.	62.	76.
18 22 45	126.	119.	82.	92.	74.	76.	76.	80.	74.	56.	52.	61.	76.
18 22 50	129.	119.	82.	92.	73.	75.	76.	79.	75.	54.	51.	61.	75.
18 22 55	126.	118.	82.	91.	73.	76.	74.	75.	71.	47.	45.	54.	66.
18 23 0	127.	116.	82.	92.	74.	76.	71.	73.	69.	45.	44.	54.	67.

J COMMUTATOR

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 AKS POW SUPP	EC 90 CONVER TOP
12													
16 19 3	66.	74.	63.	69.	67.	71.	72.	67.	71.	LOW	66.	68.	71.
16 59 8	66.	75.	65.	68.	69.	71.	75.	68.	73.	LOW	69.	67.	66.
16 19 13	66.	75.	69.	71.	63.	74.	73.	64.	77.	LOW	65.	67.	65.
16 19 31	66.	75.	64.	70.	65.	72.	80.	66.	74.	LOW	65.	67.	67.
16 19 28	66.	73.	65.	63.	70.	71.	94.	69.	67.	LOW	73.	65.	68.
16 19 33	66.	74.	67.	69.	69.	73.	91.	67.	69.	LOW	69.	66.	66.
16 19 33	65.	77.	64.	67.	69.	63.	63.	69.	70.	LOW	67.	65.	70.
16 19 38	65.	76.	66.	68.	69.	69.	76.	65.	67.	LOW	67.	66.	66.
16 19 43	66.	74.	67.	71.	67.	71.	80.	65.	71.	LOW	67.	64.	67.
16 59 48	66.	75.	66.	69.	69.	70.	69.	65.	73.	LOW	68.	65.	66.
16 19 53	65.	76.	65.	68.	67.	71.	89.	69.	71.	LOW	74.	69.	67.
16 59 58	65.	75.	65.	59.	66.	71.	86.	68.	74.	LOW	70.	67.	68.
16 20 4	65.	76.	67.	69.	70.	72.	93.	69.	63.	LOW	71.	66.	66.
16 20 9	67.	75.	66.	59.	69.	70.	86.	69.	70.	LOW	72.	68.	66.
16 21 26	61.	73.	63.	69.	67.	70.	78.	63.	74.	LOW	69.	70.	71.
16 21 31	65.	75.	63.	65.	69.	70.	77.	66.	73.	LOW	70.	67.	74.
16 21 36	59.	70.	66.	66.	69.	72.	72.	67.	70.	LOW	70.	63.	67.
16 21 41	60.	72.	66.	68.	66.	73.	73.	65.	73.	LOW	68.	61.	66.
16 21 46	72.	74.	64.	69.	65.	65.	65.	67.	74.	LOW	73.	64.	69.
16 21 51	71.	75.	64.	67.	67.	67.	69.	68.	71.	LOW	71.	64.	69.
16 21 56	66.	69.	60.	66.	68.	69.	65.	65.	73.	LOW	70.	66.	66.
16 22 1	64.	74.	66.	67.	67.	69.	70.	67.	77.	LOW	70.	67.	67.
16 22 6	64.	76.	66.	67.	68.	73.	81.	68.	74.	LOW	63.	69.	69.
16 22 11	62.	73.	67.	68.	67.	72.	74.	66.	73.	LOW	65.	68.	69.
16 22 16	61.	71.	63.	66.	67.	69.	74.	66.	63.	LOW	69.	67.	70.
16 22 21	66.	75.	63.	65.	69.	69.	77.	68.	67.	LOW	71.	65.	68.
16 22 34	71.	76.	65.	66.	67.	69.	74.	66.	67.	LOW	71.	67.	65.
16 22 36	66.	73.	65.	67.	65.	70.	73.	69.	69.	LOW	67.	66.	66.
16 22 41	67.	74.	63.	66.	68.	65.	84.	67.	66.	LOW	70.	63.	66.
16 22 46	65.	75.	63.	67.	63.	66.	74.	67.	69.	LOW	70.	65.	66.
16 22 51	65.	73.	64.	68.	65.	67.	77.	65.	69.	LOW	70.	65.	66.
16 22 56	62.	71.	66.	67.	65.	65.	73.	64.	67.	LOW	67.	66.	66.
16 23 1	65.	74.	63.	67.	70.	67.	79.	69.	65.	LOW	67.	65.	66.
16 23 9	66.	77.	64.	66.	68.	68.	74.	68.	69.	LOW	72.	65.	67.
16 23 6	67.	76.	66.	66.	68.	69.	84.	67.	67.	LOW	71.	65.	66.
16 23 11	64.	73.	63.	66.	67.	65.	76.	65.	69.	LOW	68.	67.	67.
16 23 16	59.	71.	63.	64.	69.	66.	68.	66.	73.	LOW	67.	65.	67.
16 23 21	65.	72.	63.	65.	67.	66.	84.	66.	72.	LOW	68.	64.	65.
16 23 26	60.	70.	63.	67.	65.	64.	74.	65.	74.	LOW	69.	65.	66.
16 23 32	59.	70.	62.	67.	65.	64.	75.	66.	73.	LOW	67.	65.	66.
16 63 37	61.	73.	62.	64.	67.	63.	61.	69.	72.	LOW	68.	65.	66.
16 23 42	66.	73.	64.	64.	67.	64.	65.	69.	73.	LOW	71.	65.	67.
16 23 47	61.	71.	61.	64.	67.	68.	71.	67.	67.	LOW	70.	64.	66.
16 23 52	61.	71.	61.	65.	67.	61.	74.	68.	69.	LOW	71.	65.	66.
16 23 57	64.	74.	63.	65.	66.	66.	66.	67.	69.	LOW	71.	64.	66.
												67.	66.

12

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNI	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 NOU	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
16 38 34	59.	69.	50.	63.	60.	61.	64.	63.	64.	LOW	64.	63.	62.
16 38 39	62.	73.	52.	63.	58.	54.	67.	62.	58.	LOW	59.	58.	62.
16 38 44	59.	69.	46.	62.	58.	53.	59.	57.	59.	LOW	60.	57.	57.
16 38 49	59.	66.	53.	58.	56.	56.	63.	61.	58.	LOW	60.	56.	56.
16 38 54	60.	68.	53.	59.	55.	56.	61.	61.	59.	LOW	59.	58.	58.
16 38 59	59.	71.	55.	59.	58.	56.	65.	62.	63.	LOW	59.	59.	56.
16 39 4	61.	72.	54.	61.	57.	55.	65.	60.	60.	LOW	57.	59.	59.
16 39 9	54.	65.	49.	59.	55.	52.	69.	59.	56.	LOW	59.	56.	61.
16 39 14	54.	66.	50.	56.	58.	53.	66.	62.	59.	LOW	61.	57.	59.
16 39 19	63.	73.	52.	59.	57.	56.	71.	61.	65.	LOW	59.	59.	59.
16 39 24	65.	74.	52.	59.	57.	54.	69.	60.	62.	LOW	59.	58.	59.
16 39 29	61.	72.	49.	61.	59.	52.	69.	62.	59.	LOW	61.	56.	59.
16 39 34	59.	70.	50.	59.	58.	53.	68.	61.	60.	LOW	61.	56.	56.
16 39 39	56.	69.	53.	60.	56.	56.	65.	63.	62.	LOW	59.	59.	58.
16 39 44	59.	71.	52.	57.	56.	53.	66.	59.	61.	LOW	58.	56.	56.
16 39 49	63.	71.	48.	60.	57.	58.	75.	61.	58.	LOW	56.	54.	58.
16 39 59	61.	71.	49.	59.	57.	51.	69.	62.	58.	LOW	59.	53.	56.
16 40 4	61.	69.	53.	60.	58.	54.	69.	60.	63.	LOW	59.	53.	59.
16 40 9	61.	71.	52.	60.	58.	54.	71.	60.	62.	LOW	59.	54.	60.
16 40 9	60.	69.	50.	59.	59.	51.	60.	61.	58.	LOW	59.	56.	59.
16 40 14	61.	72.	49.	59.	59.	52.	59.	61.	57.	LOW	60.	56.	58.
16 40 19	60.	69.	51.	61.	53.	54.	75.	58.	63.	LOW	56.	58.	59.
16 40 29	59.	69.	52.	59.	55.	54.	64.	59.	60.	LCW	58.	57.	57.
16 40 34	63.	74.	49.	57.	53.	52.	65.	58.	62.	LOW	61.	55.	56.
16 40 34	61.	72.	50.	58.	55.	51.	69.	60.	60.	LOW	60.	55.	58.
16 46 33	58.	76.	50.	59.	56.	50.	68.	58.	63.	LOW	62.	52.	59.
16 46 38	63.	81.	50.	57.	55.	53.	69.	56.	63.	LOW	60.	53.	59.
16 46 43	58.	77.	49.	57.	56.	50.	67.	54.	61.	LOW	63.	55.	61.
16 46 53	56.	76.	49.	55.	54.	51.	64.	58.	58.	LOW	63.	54.	62.
16 46 53	63.	82.	45.	56.	54.	54.	62.	58.	63.	LOW	60.	53.	58.
16 46 58	60.	79.	46.	58.	55.	52.	63.	60.	64.	LCW	59.	53.	62.
16 47 3	52.	67.	46.	58.	56.	50.	73.	63.	61.	LOW	59.	54.	64.
16 47 8	56.	69.	47.	55.	53.	50.	74.	61.	61.	LOW	58.	54.	63.
16 47 13	58.	74.	50.	54.	52.	53.	68.	63.	59.	LCW	61.	54.	59.
16 47 23	56.	73.	46.	56.	53.	51.	63.	63.	62.	LOW	61.	52.	61.
16 47 26	60.	70.	46.	59.	54.	49.	70.	61.	59.	LOW	59.	52.	63.
16 47 28	60.	77.	46.	57.	54.	48.	69.	60.	58.	LCW	59.	51.	63.
16 47 33	57.	74.	50.	56.	54.	53.	64.	61.	60.	LCW	61.	55.	60.
16 47 38	59.	77.	49.	57.	53.	51.	64.	62.	62.	LOW	60.	54.	62.
16 47 43	48.	69.	47.	59.	52.	50.	75.	61.	65.	LOW	59.	52.	54.
16 47 48	52.	72.	46.	57.	55.	50.	74.	62.	63.	LOW	60.	52.	54.
16 47 53	59.	80.	45.	56.	53.	52.	75.	61.	59.	LCW	59.	56.	60.
16 47 58	55.	74.	45.	56.	52.	53.	69.	57.	61.	LOW	59.	56.	61.
16 48 4	59.	70.	47.	59.	52.	50.	73.	62.	61.	LCW	58.	54.	63.
16 48 9	62.	79.	47.	58.	52.	48.	69.	61.	61.	LOW	56.	53.	63.
16 48 14	56.	73.	46.	58.	55.	48.	67.	64.	54.	LOW	58.	52.	63.
16 48 19	55.	72.	47.	56.	54.	50.	72.	65.	57.	LOW	59.	53.	62.
16 48 24	59.	74.	46.	58.	52.	52.	69.	62.	58.	LCW	59.	54.	63.
16 48 29	60.	74.	46.	56.	53.	50.	69.	63.	62.	LOW	60.	51.	63.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MOC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
19													
16 48 34	58.	74.	42.	56.	54.	48.	74.	63.	65.	LOW	59.	54.	62.
16 48 39	57.	74.	45.	57.	53.	50.	70.	62.	65.	LOW	59.	54.	62.
16 48 44	53.	73.	48.	55.	55.	52.	63.	62.	58.	LOW	63.	52.	61.
16 48 49	54.	73.	47.	56.	54.	50.	65.	63.	57.	LOW	61.	51.	62.
16 48 54	52.	73.	50.	56.	57.	51.	56.	65.	67.	LOW	61.	53.	63.
16 48 59	58.	76.	54.	52.	55.	53.	66.	64.	62.	LOW	59.	53.	62.
16 49 4	56.	77.	46.	56.	50.	51.	68.	59.	65.	LOW	58.	54.	63.
16 49 9	59.	76.	46.	56.	50.	50.	73.	61.	63.	LOW	57.	54.	63.
16 49 14	59.	79.	48.	56.	53.	50.	71.	63.	57.	LOW	58.	51.	63.
16 49 19	55.	75.	46.	56.	54.	49.	57.	63.	59.	LOW	59.	51.	58.
16 49 29	48.	67.	46.	56.	55.	51.	54.	64.	67.	LOW	56.	53.	59.
16 49 29	54.	72.	49.	56.	53.	50.	56.	63.	66.	LOW	57.	53.	62.
16 49 34	60.	76.	46.	54.	51.	50.	61.	61.	63.	LOW	58.	54.	63.
16 49 39	56.	74.	46.	56.	52.	49.	62.	63.	64.	LOW	59.	51.	64.
16 49 52	54.	75.	48.	56.	54.	53.	73.	65.	59.	LOW	58.	52.	59.
16 49 49	53.	72.	48.	56.	53.	53.	75.	64.	56.	LOW	58.	53.	60.
16 49 59	56.	74.	46.	54.	54.	49.	66.	65.	55.	LOW	60.	54.	63.
16 50 4	56.	74.	47.	54.	54.	48.	65.	65.	60.	LOW	60.	49.	63.
16 50 9	62.	85.	46.	58.	52.	51.	51.	63.	61.	LOW	53.	50.	64.
16 50 9	63.	86.	46.	56.	53.	50.	75.	64.	60.	LOW	57.	50.	64.
16 50 14	56.	77.	49.	54.	54.	51.	61.	65.	63.	LOW	63.	53.	61.
16 50 19	54.	74.	50.	55.	54.	51.	60.	63.	66.	LOW	61.	54.	62.
16 50 24	56.	80.	46.	53.	53.	50.	73.	63.	61.	LOW	58.	51.	63.
16 50 29	57.	81.	47.	53.	54.	51.	70.	63.	63.	LOW	59.	52.	62.
16 50 34	53.	74.	46.	56.	53.	49.	65.	65.	67.	LOW	61.	53.	64.
16 50 40	58.	78.	48.	55.	54.	51.	57.	61.	64.	LOW	59.	52.	63.
16 50 45	61.	88.	48.	58.	54.	49.	57.	65.	65.	LOW	56.	50.	65.
16 50 50	56.	77.	48.	55.	54.	50.	66.	66.	63.	LOW	58.	51.	63.
16 50 55	56.	79.	43.	55.	53.	48.	68.	67.	60.	LOW	60.	50.	65.
16 51 0	57.	78.	38.	55.	53.	51.	74.	65.	62.	LOW	59.	49.	64.
16 51 13	44.	65.	49.	54.	57.	52.	76.	65.	70.	LOW	62.	52.	63.
16 51 18	51.	78.	46.	55.	54.	51.	71.	65.	66.	LOW	60.	53.	64.
16 51 15	68.	90.	46.	54.	56.	47.	53.	67.	58.	LOW	59.	42.	61.
16 51 20	60.	81.	48.	55.	54.	49.	56.	62.	62.	LOW	58.	48.	63.
16 51 25	62.	86.	48.	54.	52.	53.	59.	64.	65.	LOW	58.	52.	63.
16 51 30	58.	78.	46.	54.	54.	51.	71.	65.	66.	LOW	59.	51.	64.
16 51 35	56.	76.	49.	53.	52.	52.	67.	65.	59.	LOW	61.	52.	64.
16 51 40	55.	77.	47.	55.	54.	51.	69.	65.	57.	LOW	60.	51.	65.
16 51 45	59.	74.	50.	54.	53.	52.	60.	63.	72.	LOW	58.	55.	64.
16 51 50	66.	79.	49.	54.	54.	51.	59.	64.	67.	LOW	60.	52.	63.
16 51 55	64.	86.	47.	56.	52.	50.	67.	63.	62.	LOW	53.	50.	66.
16 52 0	58.	80.	48.	54.	54.	51.	55.	65.	63.	LOW	57.	51.	64.
16 52 5	61.	86.	46.	56.	48.	50.	61.	63.	62.	LOW	53.	50.	62.
16 52 10	60.	83.	46.	58.	51.	50.	72.	63.	60.	LOW	56.	51.	65.
16 52 15	61.	84.	48.	54.	54.	50.	61.	63.	63.	LOW	59.	53.	61.
16 52 20	58.	80.	48.	54.	54.	50.	65.	63.	65.	LOW	60.	53.	61.
16 52 25	61.	86.	42.	53.	58.	48.	62.	65.	67.	LOW	61.	51.	65.
16 52 35	58.	84.	44.	55.	57.	49.	53.	65.	65.	LOW	59.	51.	65.
16 52 40	57.	78.	46.	56.	54.	50.	58.	63.	67.	LOW	53.	53.	64.

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TIME H/M/S	EC 75 MAST FREQ GR	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 ADC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
16 52 45	56.	77.	48.	55.	53.	52.	59.	63.	69.	LOW	56.	52.	65.
16 52 45	64.	83.	48.	53.	54.	52.	63.	58.	70.	LOW	58.	52.	63.
16 52 50	57.	76.	47.	54.	53.	50.	65.	62.	68.	LOW	59.	51.	65.
16 52 55	58.	78.	50.	56.	56.	53.	74.	63.	65.	LOW	58.	51.	64.
16 53 8	56.	81.	49.	54.	57.	51.	66.	65.	65.	LOW	59.	50.	65.
16 53 13	67.	88.	44.	55.	55.	49.	77.	65.	67.	LOW	58.	53.	66.
16 53 18	58.	81.	46.	54.	56.	50.	72.	59.	65.	LOW	59.	53.	64.
16 53 16	52.	76.	48.	54.	58.	50.	71.	63.	64.	LOW	60.	48.	66.
16 53 21	54.	77.	48.	54.	56.	51.	76.	64.	65.	LOW	60.	50.	66.
16 53 26	52.	76.	46.	55.	55.	54.	66.	66.	63.	LOW	61.	52.	62.
16 53 31	52.	76.	47.	54.	58.	52.	65.	65.	66.	LOW	60.	52.	62.
16 53 36	60.	82.	45.	53.	56.	50.	68.	67.	65.	LOW	60.	50.	66.
16 53 41	56.	79.	45.	54.	57.	49.	84.	67.	62.	LOW	60.	48.	66.
16 53 46	54.	78.	47.	50.	59.	50.	80.	67.	64.	LOW	61.	48.	63.
16 53 51	56.	81.	47.	52.	59.	49.	80.	67.	67.	LOW	60.	49.	64.
16 53 56	53.	78.	48.	52.	58.	52.	87.	67.	64.	LOW	62.	50.	63.
16 54 1	54.	79.	48.	53.	57.	52.	86.	69.	64.	LOW	61.	50.	64.
16 54 6	61.	88.	47.	54.	59.	50.	80.	53.	65.	LOW	61.	50.	63.
16 54 11	61.	87.	46.	53.	59.	49.	85.	60.	65.	LOW	61.	50.	65.
16 54 16	58.	77.	48.	56.	59.	49.	98.	66.	61.	LOW	61.	48.	65.
16 54 21	56.	81.	46.	57.	57.	49.	85.	65.	65.	LOW	59.	49.	66.
16 54 26	56.	79.	47.	55.	57.	51.	81.	67.	65.	LOW	58.	52.	66.
16 54 31	54.	77.	49.	55.	57.	51.	80.	66.	66.	LOW	58.	52.	65.
16 54 36	52.	75.	47.	56.	58.	52.	87.	64.	61.	LOW	58.	52.	66.
16 54 41	56.	79.	48.	55.	58.	51.	88.	65.	63.	LOW	58.	52.	65.
16 54 46	54.	80.	45.	53.	58.	52.	89.	66.	67.	LOW	61.	51.	65.
16 54 51	57.	83.	46.	53.	58.	52.	80.	65.	68.	LOW	58.	51.	65.
16 54 56	56.	82.	48.	52.	56.	53.	85.	65.	65.	LOW	59.	51.	65.
16 55 1	52.	78.	48.	51.	58.	53.	85.	65.	64.	LOW	59.	51.	66.
16 55 6	58.	81.	48.	54.	60.	54.	83.	68.	64.	LOW	59.	50.	66.
16 55 9	55.	79.	48.	52.	60.	51.	86.	68.	63.	LOW	60.	49.	67.
16 55 19	54.	76.	50.	51.	61.	54.	78.	69.	65.	LOW	60.	50.	53.
16 56 24	57.	79.	49.	52.	62.	52.	89.	69.	66.	LOW	60.	50.	66.
16 56 29	58.	78.	48.	51.	53.	53.	84.	69.	67.	LOW	61.	50.	66.
16 56 29	57.	77.	48.	52.	53.	53.	83.	67.	67.	LOW	60.	50.	67.
16 56 34	61.	80.	45.	54.	59.	51.	77.	67.	66.	LOW	59.	49.	69.
16 56 39	61.	81.	46.	53.	53.	51.	74.	67.	67.	LOW	59.	49.	69.
16 56 49	59.	82.	46.	53.	58.	51.	72.	67.	64.	LOW	59.	51.	69.
16 56 54	58.	80.	48.	53.	58.	53.	78.	56.	65.	LOW	59.	51.	69.
16 56 59	58.	78.	50.	54.	58.	54.	69.	65.	74.	LOW	58.	50.	69.
16 56 59	59.	80.	50.	53.	59.	54.	88.	64.	74.	LOW	57.	51.	69.
16 57 4	56.	78.	46.	54.	63.	50.	82.	69.	63.	LOW	60.	48.	69.
16 57 9	57.	77.	48.	53.	62.	51.	72.	69.	66.	LOW	59.	49.	69.
16 57 14	58.	78.	49.	51.	61.	54.	86.	69.	69.	LOW	61.	48.	66.
16 57 19	58.	78.	49.	51.	61.	54.	89.	69.	70.	LOW	61.	49.	67.
16 57 24	61.	80.	49.	52.	59.	53.	78.	67.	69.	LOW	59.	51.	69.
16 57 30	58.	79.	49.	52.	59.	53.	87.	66.	72.	LOW	58.	49.	69.
16 57 35	62.	84.	48.	55.	59.	51.	78.	67.	73.	LOW	57.	49.	70.
16 57 40	61.	83.	47.	54.	60.	51.	74.	68.	71.	LOW	57.	49.	68.

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TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVEK BOTT	EC 86 WDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
16 57 45	57.	77.	48.	52.	62.	54.	72.	68.	72.	LOW	62.	51.	66.
16 57 50	57.	79.	48.	53.	61.	54.	56.	69.	71.	LOW	61.	51.	66.
16 57 55	60.	80.	47.	54.	59.	48.	74.	67.	65.	LOW	60.	50.	70.
16 58 0	58.	77.	47.	48.	61.	49.	74.	69.	63.	LOW	59.	58.	71.
16 58 5	58.	76.	42.	52.	61.	50.	68.	69.	67.	LOW	59.	47.	69.
16 58 10	58.	78.	45.	52.	61.	52.	71.	69.	66.	LOW	60.	48.	67.
16 58 15	57.	78.	50.	52.	61.	52.	63.	69.	69.	LOW	59.	50.	68.
16 58 20	58.	79.	49.	53.	60.	51.	55.	69.	66.	LOW	56.	51.	69.
16 58 25	59.	80.	47.	53.	63.	48.	71.	70.	71.	LOW	61.	48.	71.
16 58 30	59.	80.	48.	52.	62.	50.	71.	67.	72.	LOW	60.	49.	67.
16 58 35	58.	69.	48.	54.	63.	54.	71.	67.	70.	LOW	59.	52.	70.
16 58 40	56.	76.	48.	54.	62.	53.	72.	67.	70.	LOW	58.	50.	69.
16 58 45	54.	70.	50.	51.	62.	54.	66.	68.	69.	LOW	61.	51.	69.
16 58 55	55.	76.	50.	49.	61.	53.	67.	67.	73.	LOW	59.	51.	71.
16 59 0	58.	70.	48.	53.	63.	51.	78.	66.	74.	LOW	61.	48.	63.
16 59 0	58.	76.	48.	51.	61.	52.	74.	67.	74.	LOW	59.	48.	67.
16 59 5	56.	78.	47.	53.	58.	53.	75.	68.	69.	LOW	57.	44.	70.
16 59 10	54.	77.	48.	52.	60.	54.	71.	69.	73.	LOW	57.	48.	70.
16 59 15	53.	76.	49.	54.	61.	54.	51.	65.	73.	LOW	61.	50.	69.
16 59 25	58.	80.	47.	54.	59.	52.	74.	66.	73.	LOW	59.	51.	70.
16 59 30	56.	78.	45.	54.	61.	50.	55.	63.	66.	LOW	61.	48.	69.
16 59 35	59.	82.	46.	53.	62.	51.	68.	67.	68.	LOW	61.	43.	69.
16 59 35	58.	81.	51.	52.	58.	53.	74.	67.	74.	LOW	59.	51.	70.
16 59 40	59.	81.	49.	53.	59.	52.	73.	68.	70.	LOW	58.	51.	67.
16 59 45	58.	79.	48.	51.	64.	53.	75.	72.	64.	LOW	61.	48.	69.
16 59 50	54.	77.	48.	52.	62.	53.	77.	70.	66.	LOW	59.	49.	70.
16 59 55	55.	74.	47.	52.	64.	50.	70.	69.	73.	LOW	59.	46.	73.
17 0 0	59.	74.	46.	52.	63.	52.	72.	69.	73.	LOW	58.	58.	71.
17 45 23	61.	81.	40.	45.	69.	42.	80.	78.	75.	-145.	56.	48.	76.
17 45 28	62.	82.	41.	45.	67.	46.	84.	77.	77.	*737856.	54.	40.	77.
17 45 33	63.	82.	41.	42.	68.	49.	90.	77.	76.	LOW	56.	42.	75.
17 45 39	62.	81.	38.	45.	69.	48.	86.	77.	82.	LOW	56.	41.	77.
17 45 44	62.	82.	42.	44.	70.	48.	93.	78.	87.	LOW	57.	42.	75.
17 45 49	62.	82.	42.	44.	69.	49.	87.	77.	85.	LOW	56.	43.	76.
17 45 54	60.	79.	41.	43.	63.	47.	87.	76.	82.	LOW	57.	40.	75.
17 45 59	59.	79.	41.	44.	58.	46.	83.	76.	83.	LOW	57.	42.	75.
17 46 4	61.	81.	40.	44.	59.	47.	75.	77.	82.	LOW	56.	40.	76.
17 46 9	57.	79.	41.	45.	69.	48.	74.	77.	81.	LOW	56.	42.	77.
17 46 14	64.	79.	40.	45.	70.	46.	74.	78.	79.	LOW	58.	39.	76.
17 46 19	62.	80.	42.	45.	69.	46.	75.	78.	83.	LOW	57.	41.	76.
17 46 32	61.	82.	40.	44.	71.	46.	71.	79.	79.	LOW	58.	40.	76.
17 46 29	63.	82.	40.	45.	69.	47.	73.	77.	82.	LOW	56.	41.	76.
17 46 34	63.	82.	40.	43.	69.	47.	83.	78.	80.	LOW	58.	40.	74.
17 46 39	59.	80.	40.	45.	70.	47.	83.	77.	80.	LOW	55.	41.	76.
17 47 37	56.	76.	42.	46.	69.	50.	85.	76.	83.	LOW	58.	44.	76.
17 47 42	58.	78.	41.	45.	69.	47.	91.	77.	81.	LOW	56.	42.	75.
17 47 47	60.	81.	42.	44.	71.	47.	86.	77.	87.	LOW	57.	43.	74.
17 47 52	60.	81.	42.	45.	71.	48.	81.	77.	87.	LOW	57.	43.	74.
17 47 57	62.	80.	37.	46.	69.	46.	80.	75.	84.	LOW	57.	43.	78.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STV EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 ADC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
17 58 33	60.	77.	36.	+5.	63.	+0.	0C.	77.	81.	LOW	57.	+3.	78.
17 58 38	61.	77.	42.	+7.	63.	+8.	7o.	78.	8+.	LOW	58.	44.	77.
17 58 43	59.	78.	42.	46.	70.	+7.	75.	79.	85.	LOW	58.	44.	77.
17 58 48	63.	74.	40.	+4.	68.	+8.	90.	78.	83.	LOW	56.	+4.	75.
17 58 53	63.	79.	41.	38.	63.	+7.	82.	7o.	85.	LOW	54.	+3.	75.
17 58 58	55.	81.	44.	+4.	66.	+9.	82.	76.	82.	LOW	56.	+2.	76.
17 59 3	6C.	81.	43.	45.	o3.	49.	53.	76.	84.	LOW	5o.	42.	78.
17 59 8	5C.	83.	4o.	44.	71.	46.	8o.	78.	85.	LOW	57.	42.	8o.
17 59 13	6C.	83.	41.	43.	71.	46.	75.	79.	87.	LOW	57.	42.	76.
17 59 18	59.	7o.	42.	43.	71.	+7.	70.	78.	86.	LOW	59.	+2.	76.
17 59 23	6C.	8o.	41.	+5.	70.	+6.	7+.	78.	85.	LOW	57.	43.	78.
17 59 28	5C.	82.	41.	+4.	7o.	46.	81.	79.	89.	LOW	53.	43.	77.
17 59 33	59.	81.	41.	+5.	69.	47.	82.	76.	88.	LOW	54.	41.	78.
17 59 38	65.	87.	42.	44.	53.	+7.	74.	78.	81.	LOW	56.	32.	76.
18 6 39	65.	84.	41.	45.	58.	47.	75.	77.	81.	LOW	57.	37.	7o.
18 6 44	56.	8+.	4o.	46.	62.	5o.	79.	76.	78.	LOW	56.	4o.	76.
18 6 49	57.	79.	41.	46.	62.	49.	82.	75.	77.	LOW	55.	+3.	75.
18 6 54	61.	7+.	43.	45.	61.	52.	9C.	75.	78.	LOW	56.	+2.	74.
18 6 59	62.	8o.	+2.	46.	51.	51.	84.	74.	76.	LOW	56.	43.	74.
18 7 4	61.	8o.	42.	+6.	6o.	5o.	77.	7o.	77.	LOW	56.	43.	76.
18 7 9	59.	76.	42.	47.	o1.	o1.	82.	75.	77.	LOW	>5.	43.	75.
18 7 14	62.	79.	43.	47.	61.	5o.	77.	74.	78.	LOW	55.	44.	74.
18 7 24	o2.	79.	42.	48.	6o.	5o.	8o.	74.	78.	LOW	56.	44.	74.
18 7 39	5C.	76.	43.	+8.	63.	52.	82.	72.	75.	LCW	58.	45.	77.
18 7 44	5C.	77.	43.	48.	62.	>2.	62.	73.	74.	LOW	57.	46.	76.
18 7 44	5C.	78.	42.	47.	59.	52.	o6.	73.	73.	LOW	56.	45.	76.
18 7 +9	58.	77.	44.	+7.	6o.	>2.	81.	74.	72.	LOW	57.	+5.	75.
18 7 >4	61.	79.	44.	+5.	61.	54.	82.	73.	77.	LOW	>6.	44.	74.
18 7 >9	59.	8o.	44.	+7.	62.	51.	84.	74.	7o.	LOW	>7.	45.	74.
18 8 4	56.	77.	44.	+7.	59.	54.	78.	73.	75.	LOW	5o.	+5.	75.
18 8 9	5C.	76.	44.	48.	6o.	53.	7>.	74.	75.	LOW	58.	46.	75.
18 8 14	63.	8o.	44.	+8.	58.	55.	84.	71.	73.	LOW	57.	+2.	76.
18 8 20	6C.	79.	45.	+6.	>9.	>5.	>6.	73.	75.	LOW	57.	44.	77.
18 8 25	54.	73.	44.	49.	61.	53.	79.	74.	72.	LOW	58.	46.	74.
18 8 30	5C.	7o.	44.	+9.	o1.	>3.	77.	73.	72.	LOW	57.	45.	75.
18 20 38	49.	65.	52.	>6.	65.	58.	75.	72.	74.	LOW	61.	52.	81.
18 20 43	53.	72.	52.	>5.	65.	>9.	73.	73.	74.	LOW	62.	>3.	81.
18 21 9	54.	73.	51.	48.	65.	>1.	8C.	73.	74.	LOW	o1.	>5.	79.
18 21 14	6C.	79.	57.	>6.	7C.	>6.	>4.	72.	7o.	LOW	66.	>8.	85.
18 21 14	63.	87.	59.	o3.	74.	59.	7C.	81.	84.	LCW	o9.	o1.	89.
18 21 19	59.	82.	6C.	>3.	74.	56.	75.	80.	83.	LOW	69.	51.	89.
18 21 24	54.	7o.	58.	o1.	63.	>8.	7o.	79.	81.	LOW	68.	55.	88.
18 21 29	56.	79.	57.	59.	71.	6C.	81.	79.	8C.	LCW	68.	57.	87.
18 21 34	5C.	7o.	55.	59.	71.	58.	8C.	78.	73.	LOW	67.	59.	86.
18 21 39	59.	8o.	54.	57.	7o.	>7.	84.	75.	8o.	LOW	66.	58.	85.
18 21 45	61.	81.	52.	58.	69.	53.	74.	77.	76.	LOW	65.	56.	82.
18 21 >C	6C.	79.	52.	57.	69.	63.	75.	7o.	7o.	LOW	o5.	>6.	82.
18 21 55	57.	7o.	52.	56.	67.	51.	76.	69.	73.	LOW	59.	55.	81.
18 22 0	58.	77.	5C.	56.	66.	51.	77.	71.	75.	LOW	61.	>4.	81.

12

TIME H/M/S	EC 79 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 ADC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POR SUPP	EC 90 CONVER TOP
18 22 5	60.	80.	51.	55.	53.	51.	70.	73.	70.	LOW	62.	53.	80.
18 22 10	58.	79.	51.	55.	60.	50.	75.	74.	75.	LOW	62.	53.	79.
18 22 15	49.	72.	50.	55.	65.	50.	71.	73.	73.	LOW	64.	54.	80.
18 22 20	49.	72.	51.	55.	65.	50.	71.	73.	70.	LOW	63.	54.	80.
18 22 25	56.	76.	51.	56.	66.	51.	82.	74.	74.	LOW	62.	53.	79.
18 22 30	57.	78.	52.	56.	65.	51.	70.	74.	75.	LOW	62.	53.	80.
18 22 35	56.	80.	52.	56.	63.	51.	74.	73.	75.	LOW	62.	54.	80.
18 22 40	58.	80.	49.	56.	60.	51.	76.	74.	76.	LOW	62.	51.	80.
18 22 45	56.	76.	51.	56.	53.	52.	74.	74.	76.	LOW	63.	54.	81.
18 22 50	57.	75.	51.	56.	59.	52.	75.	74.	75.	LOW	63.	54.	81.
18 22 55	49.	65.	47.	56.	65.	51.	50.	72.	70.	LOW	63.	48.	81.
18 23 0	56.	69.	50.	56.	66.	51.	77.	73.	77.	LOW	64.	51.	81.

C COMMUTATOR

TIME H/M/S	EL 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
16 19 3	844.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 8	846.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 13 13	827.	LOW	LOW	71.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 31	826.	LOW	LOW	69.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 28	783.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 33	788.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 33	810.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 38	881.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 43	799.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 48	791.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 19 53	818.	LOW	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 58	805.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 20 4	834.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 20 9	818.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 26	848.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 31	835.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 36	781.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 41	777.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 46	772.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 51	778.	LOW	LOW	69.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 21 56	789.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 1	779.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 6	775.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 11	786.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 16	815.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 21	807.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 34	794.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 36	787.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 41	774.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 46	774.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 51	777.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 22 56	781.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 1	768.	LOW	LOW	63.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 9	776.	LOW	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 6	772.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 11	775.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 16	802.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 21	799.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 26	783.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 32	787.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 37	791.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 42	795.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 47	792.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 52	792.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 23 57	770.	LOW	LOW	66.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER OIL	AF 16 TEMP FUEL OUTLET HYD COOLER OIL	AF 19 TEMP OIL OUTLET FUELOIL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 5 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
18													
16 38 34	809.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 39	848.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 44	848.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 49	848.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 54	848.	LOW	LOW	68.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 38 59	848.	LOW	LOW	65.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 4	848.	LOW	LOW	67.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 9	848.	LOW	LOW	69.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 14	848.	LOW	LOW	69.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 19	848.	LOW	LOW	69.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 24	848.	LOW	LOW	70.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 29	848.	LOW	LOW	74.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 34	848.	LOW	LOW	75.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 39	848.	LOW	LOW	74.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 44	848.	LOW	LOW	75.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 49	848.	LOW	LOW	77.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 39 59	848.	LOW	LOW	78.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 4	848.	LOW	LOW	80.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 9	848.	LOW	LOW	81.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 9	848.	LOW	LOW	83.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 14	848.	LOW	LOW	82.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 19	848.	LOW	LOW	87.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 29	848.	LOW	LOW	80.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 34	848.	LOW	LOW	87.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 40 34	848.	LOW	LOW	89.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 46 33	848.	78.	80.	115.	189.	112.	105.	97.4	LOW	84.3	223.	228.	200.
16 46 38	848.	80.	83.	112.	183.	108.	104.	99.7	LOW	87.6	222.	228.	206.
16 46 43	848.	82.	84.	117.	185.	107.	103.	89.5	LOW	66.3	224.	230.	205.
16 46 53	848.	80.	78.	117.	185.	110.	105.	98.0	LOW	53.1	228.	234.	207.
16 46 53	848.	79.	76.	114.	183.	111.	106.	105.6	LOW	100.5	234.	239.	216.
16 46 58	848.	82.	79.	119.	183.	110.	106.	102.6	LOW	96.1	231.	238.	215.
16 47 3	848.	75.	78.	130.	188.	117.	109.	93.3	LOW	92.2	229.	246.	222.
16 47 8	848.	79.	76.	128.	185.	117.	109.	99.3	LOW	89.5	234.	246.	220.
16 47 13	848.	74.	73.	125.	183.	114.	108.	106.5	LOW	103.2	244.	252.	230.
16 47 23	848.	72.	73.	135.	185.	115.	109.	108.1	LOW	105.2	247.	252.	233.
16 47 28	848.	76.	79.	145.	194.	118.	112.	105.2	LOW	94.8	245.	257.	235.
16 47 28	848.	74.	76.	148.	191.	116.	113.	109.1	LOW	100.9	246.	254.	236.
16 47 33	848.	81.	79.	158.	183.	107.	114.	113.4	LOW	95.4	241.	250.	229.
16 47 38	848.	79.	79.	163.	190.	112.	115.	110.0	LOW	93.8	243.	250.	233.
16 47 43	848.	71.	73.	168.	198.	121.	125.	116.8	LOW	107.8	252.	254.	239.
16 47 48	848.	75.	79.	164.	195.	115.	119.	117.1	LOW	101.3	246.	248.	238.
16 47 53	848.	76.	77.	190.	201.	116.	126.	116.8	LOW	100.0	245.	252.	241.
16 47 58	848.	70.	76.	194.	198.	116.	123.	115.1	LOW	103.9	245.	252.	240.
16 48 4	848.	82.	78.	194.	189.	108.	114.	110.2	LOW	96.7	235.	242.	236.
16 48 9	848.	84.	80.	192.	190.	109.	115.	115.2	LOW	95.4	239.	248.	235.
16 48 14	848.	71.	70.	200.	193.	119.	123.	122.6	LOW	111.6	244.	249.	241.
16 48 19	848.	76.	76.	197.	194.	112.	120.	120.4	LOW	104.5	240.	245.	234.
16 48 24	848.	82.	81.	198.	193.	110.	117.	114.9	LOW	92.2	233.	239.	229.
16 48 29	848.	81.	82.	189.	195.	111.	119.	114.9	LOW	92.2	236.	239.	230.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER JTL	AF 19 TEMP OIL OUTLET FUELOIL COOLER L/HENG	AF 20 TEMP JIL JUTLET A/B COOLER L/HENG	SP 3 TEMP HYD UIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FLEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
15													
16 48 34	848.	83.	84.	192.	193.	109.	119.	115.5	LOW	90.8	235.	239.	229.
16 48 39	848.	82.	80.	190.	193.	110.	118.	115.9	LOW	90.5	234.	238.	229.
16 48 44	848.	71.	72.	201.	197.	116.	125.	124.6	LOW	107.8	244.	247.	237.
16 48 49	848.	72.	70.	208.	199.	118.	124.	123.3	LOW	108.4	244.	246.	237.
16 48 54	848.	69.	74.	197.	198.	118.	126.	123.3	LOW	105.8	245.	246.	235.
16 48 59	848.	76.	78.	193.	195.	115.	124.	123.4	LOW	100.3	239.	245.	231.
16 49 4	848.	78.	77.	194.	181.	110.	116.	121.4	LOW	105.8	235.	240.	230.
16 49 9	848.	81.	77.	194.	184.	109.	113.	120.7	LOW	103.2	231.	237.	232.
16 49 14	848.	74.	77.	196.	199.	116.	123.	120.7	LOW	105.8	239.	242.	235.
16 49 19	848.	74.	77.	198.	193.	114.	119.	121.4	LOW	105.8	237.	240.	232.
16 49 29	848.	73.	71.	198.	194.	108.	123.	124.6	LOW	110.4	241.	249.	233.
16 49 29	848.	78.	75.	194.	189.	108.	118.	121.7	LOW	105.5	234.	244.	231.
16 49 34	848.	84.	81.	193.	185.	108.	114.	119.4	LOW	101.9	226.	233.	225.
16 49 39	848.	79.	78.	196.	188.	110.	116.	121.7	LOW	105.8	231.	236.	228.
16 49 52	848.	75.	79.	193.	206.	119.	123.	121.4	LOW	101.3	237.	238.	228.
16 49 49	848.	73.	75.	196.	201.	116.	123.	123.0	LOW	103.2	238.	242.	230.
16 49 59	848.	82.	83.	193.	191.	95.	116.	116.8	LOW	95.4	231.	230.	225.
16 50 4	848.	80.	80.	195.	188.	101.	115.	119.4	LOW	100.8	233.	233.	224.
16 50 9	848.	80.	83.	196.	196.	115.	120.	116.8	LOW	101.9	233.	234.	219.
16 50 9	848.	80.	84.	187.	194.	111.	118.	110.5	LOW	99.3	232.	233.	220.
16 50 14	848.	79.	78.	193.	184.	106.	116.	121.4	LOW	102.6	231.	234.	226.
16 50 19	848.	76.	75.	194.	190.	115.	119.	120.1	LOW	107.4	234.	237.	230.
16 50 24	848.	74.	75.	195.	200.	121.	123.	123.3	LOW	109.7	239.	239.	231.
16 50 29	848.	77.	77.	188.	199.	116.	122.	117.1	LOW	104.9	234.	237.	228.
16 50 34	848.	70.	73.	208.	195.	116.	123.	125.9	LOW	117.5	239.	239.	229.
16 50 40	848.	77.	77.	194.	189.	113.	120.	122.3	LOW	107.4	232.	238.	226.
16 50 45	848.	71.	72.	195.	198.	117.	123.	123.3	LOW	107.8	236.	239.	235.
16 50 50	848.	72.	71.	196.	194.	116.	122.	125.9	LOW	110.4	237.	239.	232.
16 50 55	848.	81.	84.	191.	189.	105.	114.	119.4	LOW	101.3	228.	236.	226.
16 51 8	848.	74.	76.	193.	192.	112.	117.	122.6	LOW	107.4	232.	239.	225.
16 51 13	848.	73.	58.	201.	193.	114.	122.	129.1	LOW	116.2	239.	248.	231.
16 51 18	848.	75.	73.	196.	189.	112.	119.	126.2	LOW	113.3	234.	238.	229.
16 51 15	848.	63.	86.	166.	195.	108.	120.	116.2	LOW	96.7	230.	231.	219.
16 51 20	848.	80.	81.	192.	188.	109.	118.	119.1	LOW	104.8	230.	234.	222.
16 51 25	848.	82.	82.	184.	193.	114.	121.	116.8	LOW	97.4	230.	235.	226.
16 51 38	848.	*000000.	*000000.	193.	*000000.	*000000.	*000000.	*00000.0	LOW	*00000.0	*000000.	*000000.	*000000.
16 51 35	848.	LOW	LOW	189.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 40	848.	LOW	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 45	848.	LOW	LOW	185.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 50	848.	LOW	LOW	188.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 51 55	848.	LOW	LOW	187.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 0	848.	LOW	LOW	191.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 5	848.	LOW	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 10	848.	LOW	LOW	190.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 15	848.	LOW	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 20	848.	LOW	LOW	187.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 25	848.	LOW	LOW	187.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 35	848.	LOW	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 40	848.	LOW	LOW	191.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EL 51 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER OTL	AF 16 TEMP FUEL OUTLET HYD COOLER OTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
16 52 45	848.	LOW	LOW	195.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 45	848.	LOW	LOW	184.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 50	848.	LOW	LOW	189.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 52 55	848.	LOW	LOW	196.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 0	848.	LOW	LOW	191.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 13	848.	LOW	LOW	187.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 10	848.	LOW	LOW	189.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 16	848.	LOW	LOW	196.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 21	848.	LOW	LOW	191.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 26	848.	LOW	LOW	196.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 31	848.	LOW	LOW	199.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 36	848.	LOW	LOW	189.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 41	848.	LOW	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 46	848.	LOW	LOW	190.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 51	848.	LOW	LOW	189.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 53 56	848.	LOW	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 1	848.	LOW	LOW	195.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 6	848.	LOW	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 11	848.	LOW	LOW	191.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 16	848.	LOW	LOW	196.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 21	848.	LOW	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 26	848.	LOW	LOW	192.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 31	848.	LOW	LOW	195.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 36	848.	LOW	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 41	848.	LOW	LOW	197.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 46	848.	LOW	LOW	201.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 51	848.	LOW	LOW	205.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 54 56	848.	LOW	LOW	204.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 55 1	848.	LOW	LOW	210.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 55 6	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 9	848.	LOW	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 19	848.	LOW	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 24	848.	LOW	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 29	848.	LOW	LOW	222.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 29	848.	LOW	LOW	220.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 34	848.	LOW	LOW	209.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 39	848.	LOW	LOW	210.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 49	848.	LOW	LOW	206.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 54	848.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 59	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 56 59	848.	LOW	LOW	212.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 4	848.	LOW	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 9	848.	LOW	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 14	848.	LOW	LOW	221.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 19	848.	LOW	LOW	220.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 24	848.	LOW	LOW	208.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 30	848.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 35	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 40	848.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
16 57 45	848.	LOW	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 50	848.	LOW	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 57 55	848.	LOW	LOW	207.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 0	848.	LOW	LOW	215.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 5	848.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 10	848.	LOW	LOW	215.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 15	848.	LOW	LOW	211.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 20	848.	LOW	LOW	212.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 25	848.	LOW	LOW	220.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 30	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 35	848.	LOW	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 40	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 45	848.	LOW	LOW	221.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 58 55	848.	LOW	LOW	220.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 0	848.	LOW	LOW	209.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 0	848.	LOW	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 5	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 10	848.	LOW	LOW	218.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 15	848.	LOW	LOW	218.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 25	848.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 30	848.	LOW	LOW	222.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 35	848.	LOW	LOW	215.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 35	848.	LOW	LOW	207.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 40	848.	LOW	LOW	207.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 45	848.	LOW	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 50	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
16 59 55	848.	LOW	LOW	210.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 0 0	848.	LOW	LOW	210.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 23	848.	LOW	LOW	222.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 28	848.	LOW	LOW	222.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 33	848.	LOW	LOW	223.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 39	848.	LOW	LOW	220.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 44	848.	LOW	LOW	221.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 49	848.	LOW	LOW	221.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 54	848.	LOW	LOW	211.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 45 59	848.	LOW	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 4	828.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 9	823.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 14	807.	LOW	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 19	805.	LOW	LOW	212.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 32	791.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 29	812.	LOW	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 34	795.	LOW	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 46 39	788.	LOW	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 37	848.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 42	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 47	848.	LOW	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 52	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 47 57	817.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW

TIME H/M/S	EC 91 MAINT CONTROL	AF 15 TEMP FUEL INLET MYO COOLER OTL	AF 16 TEMP FUEL OUTLET MYO COOLER OTL	AF 19 TEMP OIL OUTLET FUELOIL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/MENG	SP 3 TEMP MYO OIL OUTLET OTL PUMP	SP 7 TEMP MYO OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 6 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/MENG	AF 22 TEMP OIL TANK L/MENG	AF 27 TEMP OIL INLET AIR-OIL COOLER L/MENG	AF 26 TEMP OIL OUTLET AIR-OIL COOLER L/MENG
13													
17 58 33	833.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 38	846.	LOW	LOW	221.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 43	848.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 48	848.	LOW	LOW	220.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 53	844.	LOW	LOW	221.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 58 58	801.	LOW	LOW	211.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 3	814.	LOW	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 8	827.	LOW	LOW	214.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 13	824.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 18	824.	LOW	LOW	223.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 23	806.	LOW	LOW	217.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 28	797.	LOW	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 33	790.	LOW	LOW	213.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
17 59 38	782.	LOW	LOW	219.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 39	815.	LOW	LOW	216.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 44	848.	LOW	LOW	212.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 49	846.	LOW	LOW	211.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 54	845.	LOW	LOW	210.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 6 59	833.	LOW	LOW	209.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 4	806.	LOW	LOW	207.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 9	795.	LOW	LOW	207.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 14	779.	LOW	LOW	202.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 24	787.	LOW	LOW	201.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 39	815.	LOW	LOW	202.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 44	809.	LOW	LOW	202.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 44	792.	LOW	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 49	773.	LOW	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 54	738.	LOW	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 7 59	739.	LOW	LOW	200.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 4	740.	LOW	LOW	199.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 9	737.	LOW	LOW	199.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 14	720.	LOW	LOW	193.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 20	718.	LOW	LOW	195.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 25	709.	LOW	LOW	194.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 8 30	717.	LOW	LOW	195.	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW
18 20 38	762.	86.	87.	160.	154.	136.	123.	139.5	LOW	129.1	216.	159.	165.
18 20 43	708.	84.	87.	161.	153.	131.	124.	139.5	LOW	129.1	216.	160.	166.
18 21 9	635.	84.	86.	162.	154.	131.	123.	139.5	LOW	128.5	215.	160.	165.
18 21 14	742.	87.	90.	165.	156.	135.	127.	143.0	000000.0	131.7	217.	158.	164.
18 21 14	840.	90.	93.	166.	159.	138.	132.	144.6	140.8	131.7	218.	156.	161.
18 21 19	823.	89.	93.	166.	158.	137.	136.	144.3	139.8	134.3	216.	155.	161.
18 21 24	796.	86.	90.	163.	150.	131.	129.	137.5	138.2	131.7	216.	152.	158.
18 21 29	792.	83.	91.	164.	152.	132.	127.	140.4	137.9	131.4	216.	152.	157.
18 21 34	786.	84.	87.	154.	152.	128.	121.	140.8	131.7	129.8	214.	150.	156.
18 21 39	783.	83.	87.	163.	152.	131.	124.	140.8	134.6	129.4	215.	150.	157.
18 21 45	782.	79.	87.	160.	150.	134.	126.	140.8	LOW	129.1	216.	149.	155.
18 21 50	776.	81.	86.	160.	150.	133.	125.	140.4	LOW	130.7	214.	149.	155.
18 21 55	773.	82.	84.	158.	150.	116.	127.	140.8	LOW	128.5	213.	147.	155.
18 22 0	763.	81.	85.	158.	149.	123.	127.	140.8	LOW	129.1	214.	148.	152.

TIME H/M/S	EC 51 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/MENG	AF 26 TEMP OIL OUTLET A/B COOLER L/MENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELOT L/MENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/MENG	AF 9 TEMP FUEL INLET A/B FUELOT L/MENG	AF 22 TEMP OIL TANK L/MENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/MENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/MENG
13													
18 22 5	759.	80.	82.	156.	149.	134.	126.	140.8	LOW	129.8	214.	149.	155.
18 22 10	758.	80.	84.	157.	149.	134.	126.	140.8	LOW	122.6	213.	149.	155.
18 22 15	763.	80.	84.	158.	149.	132.	127.	138.2	LOW	128.5	213.	145.	154.
18 22 20	765.	80.	84.	158.	149.	132.	127.	139.8	LOW	129.4	214.	146.	154.
18 22 25	757.	74.	84.	158.	149.	132.	127.	140.6	LOW	129.8	213.	147.	154.
18 22 30	756.	77.	84.	158.	151.	133.	127.	141.1	LOW	129.4	213.	147.	154.
18 22 35	755.	81.	79.	153.	148.	134.	127.	141.4	LOW	125.1	214.	148.	154.
18 22 40	752.	81.	83.	155.	148.	137.	127.	140.8	LOW	128.8	213.	148.	154.
18 22 45	767.	84.	86.	155.	149.	126.	128.	139.5	LOW	128.5	212.	147.	152.
18 22 50	760.	83.	86.	157.	149.	130.	127.	137.9	LOW	128.5	216.	146.	152.
18 22 55	754.	81.	85.	160.	149.	132.	127.	139.5	LOW	128.5	216.	145.	156.
18 23 0	754.	81.	85.	159.	148.	132.	127.	140.4	LOW	128.8	214.	145.	154.

C COMMUTATOR

TIME H/M/S	PR 7 TEMP L/MENG COMPT TOP FWD STA650	PR 8 TEMP L/MENG COMPT BOT FWD STA650	PR 9 TEMP L/MENG COMPT INBD FWD STA650	PR 10 TEMP L/MENG COMPT OUTBD FWD STA650	PR 11 TEMP L/MENG COMPT TOP AFT STA770	PR 12 TEMP L/MENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/MENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H STA687
14													
16 19 3	75.	69.	70.	70.	65.	70.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 59 8	75.	69.	70.	69.	66.	69.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 19 13	74.	69.	69.	71.	66.	63.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 19 31	75.	68.	70.	71.	65.	65.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 19 28	77.	69.	70.	69.	68.	67.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 19 33	77.	69.	70.	69.	68.	67.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 19 33	76.	68.	71.	70.	68.	68.	LOW	LOW	LOW	LOW	65.	LOW	LOW
16 19 38	76.	68.	70.	69.	68.	68.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 19 43	76.	68.	71.	69.	68.	66.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 59 48	75.	66.	70.	69.	66.	67.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 19 53	75.	69.	69.	70.	68.	67.	LOW	LOW	LOW	LOW	72.	LOW	LOW
16 59 58	75.	69.	70.	70.	68.	68.	LOW	LOW	LOW	LOW	72.	LOW	LOW
16 20 4	76.	71.	66.	69.	68.	67.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 20 9	76.	70.	68.	69.	66.	67.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 21 26	75.	67.	71.	69.	65.	69.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 21 31	74.	68.	70.	69.	66.	68.	LOW	LOW	LOW	LOW	72.	LOW	LOW
16 21 36	74.	70.	71.	69.	69.	69.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 21 41	74.	69.	71.	69.	69.	68.	LOW	LOW	LOW	LOW	72.	LOW	LOW
16 21 46	74.	66.	69.	69.	68.	68.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 21 51	74.	68.	70.	69.	68.	67.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 21 56	73.	69.	71.	71.	69.	68.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 22 1	71.	69.	70.	70.	69.	67.	LOW	LOW	LOW	LOW	72.	LOW	LOW
16 22 6	73.	69.	71.	69.	69.	69.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 22 11	74.	70.	70.	70.	69.	69.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 22 16	73.	69.	70.	70.	69.	69.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 22 21	73.	69.	70.	70.	68.	68.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 22 34	73.	68.	69.	69.	65.	68.	LOW	LOW	LOW	LOW	73.	LOW	LOW
16 22 36	74.	70.	70.	70.	68.	68.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 22 41	73.	69.	71.	71.	69.	68.	LOW	LOW	LOW	LOW	73.	LOW	LOW
16 22 46	73.	69.	70.	71.	69.	67.	LOW	LOW	LOW	LOW	73.	LOW	LOW
16 22 51	73.	63.	72.	70.	68.	67.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 22 56	74.	66.	70.	70.	68.	67.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 23 1	73.	69.	69.	69.	71.	69.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 23 9	73.	68.	69.	69.	70.	68.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 23 6	73.	69.	69.	70.	69.	67.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 23 11	74.	70.	72.	70.	70.	68.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 23 16	71.	71.	71.	69.	69.	69.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 23 21	71.	68.	70.	69.	69.	68.	LOW	LOW	LOW	LOW	72.	LOW	LOW
16 23 26	75.	70.	71.	69.	69.	69.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 23 32	74.	70.	71.	67.	69.	69.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 23 37	74.	69.	70.	68.	71.	69.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 23 42	74.	70.	71.	67.	71.	68.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 23 47	71.	70.	69.	69.	69.	69.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 23 52	74.	69.	70.	70.	70.	69.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 23 57	74.	68.	70.	71.	69.	67.	LOW	LOW	LOW	LOW	69.	LOW	LOW

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUEL OIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL INLET UTL COOLER	SP 10 TEMP HYD OIL OUTLET UTC CCOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
16 38 34	74.	67.	71.	71.	73.	69.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 38 39	74.	63.	71.	70.	73.	69.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 38 44	73.	66.	71.	71.	73.	70.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 38 49	74.	71.	72.	71.	73.	71.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 38 54	74.	73.	72.	71.	73.	70.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 38 59	74.	69.	69.	71.	75.	71.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 39 4	74.	70.	70.	72.	75.	72.	LOW	LOW	LOW	LOW	72.	LOW	LOW
16 39 9	74.	73.	73.	74.	78.	74.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 39 14	75.	72.	73.	74.	80.	75.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 39 19	74.	74.	72.	73.	80.	77.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 39 24	74.	74.	73.	73.	78.	76.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 39 29	74.	74.	74.	73.	75.	75.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 39 34	74.	75.	71.	74.	75.	75.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 39 39	72.	75.	74.	74.	75.	74.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 39 44	73.	75.	74.	73.	75.	75.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 39 49	75.	76.	69.	74.	75.	78.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 39 59	74.	75.	72.	74.	75.	78.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 40 4	73.	77.	74.	75.	75.	79.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 40 9	74.	77.	75.	75.	75.	79.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 40 9	74.	78.	75.	75.	75.	80.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 40 14	73.	74.	73.	73.	75.	77.	LOW	LOW	LOW	LOW	71.	LOW	LOW
16 40 19	72.	78.	76.	76.	74.	80.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 40 29	71.	78.	75.	75.	75.	78.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 40 34	76.	79.	72.	73.	77.	86.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 40 34	74.	77.	73.	72.	76.	81.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 46 33	91.	104.	84.	101.	95.	150.	132.	128.	118.	106.	69.	74.	76.
16 46 38	86.	101.	82.	98.	92.	152.	130.	127.	119.	108.	70.	74.	74.
16 46 43	92.	105.	84.	101.	95.	160.	130.	130.	121.	112.	69.	75.	73.
16 46 53	89.	104.	84.	101.	90.	154.	136.	125.	117.	105.	69.	74.	72.
16 46 53	79.	101.	80.	97.	84.	151.	143.	121.	117.	100.	71.	73.	72.
16 46 58	83.	102.	84.	99.	89.	158.	137.	124.	120.	106.	71.	72.	73.
16 47 3	93.	108.	93.	105.	99.	167.	145.	123.	116.	106.	69.	74.	74.
16 47 8	91.	109.	93.	106.	95.	158.	142.	131.	119.	108.	69.	74.	79.
16 47 13	79.	103.	79.	99.	87.	158.	156.	122.	114.	99.	69.	71.	71.
16 47 23	85.	104.	86.	104.	89.	154.	154.	119.	113.	100.	66.	72.	71.
16 47 28	88.	106.	91.	102.	93.	170.	174.	128.	117.	106.	71.	72.	73.
16 47 28	87.	104.	89.	98.	87.	173.	181.	123.	115.	103.	70.	72.	71.
16 47 33	78.	101.	81.	93.	90.	165.	186.	130.	120.	107.	70.	73.	73.
16 47 38	81.	101.	84.	94.	91.	171.	192.	130.	119.	107.	69.	74.	74.
16 47 43	91.	107.	95.	100.	93.	159.	213.	119.	111.	98.	69.	72.	66.
16 47 48	88.	101.	91.	97.	85.	150.	209.	124.	116.	105.	69.	73.	70.
16 47 53	86.	100.	92.	93.	90.	155.	212.	128.	118.	111.	71.	73.	74.
16 47 58	85.	100.	93.	95.	89.	154.	217.	123.	117.	100.	69.	72.	72.
16 48 4	73.	97.	84.	85.	84.	173.	205.	126.	123.	108.	71.	74.	73.
16 48 9	74.	97.	85.	83.	83.	174.	200.	128.	123.	109.	70.	74.	73.
16 48 14	84.	107.	97.	96.	91.	190.	221.	117.	112.	97.	69.	72.	71.
16 48 19	80.	104.	92.	92.	89.	177.	215.	124.	116.	102.	68.	73.	71.
16 48 24	74.	95.	86.	80.	82.	172.	203.	132.	123.	110.	69.	80.	73.
16 48 29	78.	95.	85.	83.	85.	171.	206.	134.	120.	107.	70.	78.	74.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 96 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
16 48 34	74.	97.	80.	83.	85.	170.	206.	130.	123.	108.	69.	75.	74.
16 48 39	74.	96.	82.	81.	85.	171.	208.	135.	122.	108.	69.	75.	74.
16 48 44	90.	107.	92.	97.	95.	193.	221.	125.	114.	97.	69.	72.	72.
16 48 49	87.	106.	94.	96.	94.	195.	220.	125.	113.	98.	68.	72.	73.
16 48 54	91.	106.	91.	94.	94.	192.	219.	128.	115.	98.	69.	69.	73.
16 48 59	84.	102.	86.	88.	90.	179.	211.	133.	118.	102.	69.	72.	74.
16 49 4	75.	100.	89.	89.	85.	174.	208.	124.	119.	106.	68.	72.	72.
16 49 9	74.	99.	87.	87.	84.	171.	204.	127.	123.	107.	69.	72.	68.
16 49 14	84.	102.	84.	90.	88.	183.	214.	129.	114.	101.	71.	72.	73.
16 49 19	83.	103.	86.	92.	87.	179.	212.	128.	116.	103.	69.	72.	72.
16 49 24	89.	99.	92.	97.	95.	190.	216.	127.	114.	99.	67.	76.	72.
16 49 29	81.	97.	90.	91.	90.	175.	211.	129.	113.	105.	68.	72.	73.
16 49 34	74.	94.	87.	86.	81.	170.	199.	132.	123.	110.	69.	73.	73.
16 49 39	80.	103.	90.	91.	85.	175.	206.	127.	120.	106.	68.	73.	71.
16 49 52	92.	106.	90.	95.	95.	191.	213.	135.	116.	103.	67.	74.	73.
16 49 49	89.	107.	91.	95.	95.	181.	213.	132.	116.	99.	67.	72.	72.
16 49 59	77.	90.	85.	86.	81.	165.	203.	137.	116.	111.	69.	76.	74.
16 50 4	76.	96.	86.	87.	84.	168.	204.	134.	116.	108.	68.	74.	72.
16 50 9	75.	96.	86.	80.	86.	172.	207.	137.	120.	108.	69.	74.	73.
16 50 9	76.	95.	84.	81.	86.	169.	207.	138.	121.	109.	70.	75.	74.
16 50 14	76.	101.	88.	85.	87.	157.	205.	133.	121.	106.	67.	71.	72.
16 50 19	80.	105.	89.	86.	92.	178.	209.	132.	119.	103.	67.	72.	72.
16 50 24	85.	103.	92.	92.	94.	183.	215.	130.	111.	103.	68.	71.	71.
16 50 29	78.	100.	88.	86.	90.	175.	209.	136.	116.	104.	67.	73.	73.
16 50 34	86.	100.	94.	95.	89.	178.	216.	125.	113.	99.	67.	73.	71.
16 50 40	79.	98.	88.	88.	86.	174.	206.	134.	118.	105.	69.	73.	73.
16 50 45	85.	103.	90.	88.	90.	185.	215.	132.	114.	99.	70.	73.	72.
16 50 50	86.	105.	90.	92.	92.	183.	216.	130.	115.	97.	69.	71.	72.
16 50 55	74.	93.	83.	84.	74.	161.	200.	138.	123.	111.	69.	74.	74.
16 51 0	86.	101.	87.	88.	83.	172.	206.	135.	120.	105.	68.	73.	73.
16 51 13	84.	112.	93.	97.	95.	188.	214.	129.	110.	96.	67.	72.	71.
16 51 10	78.	104.	89.	90.	88.	173.	208.	130.	117.	100.	68.	73.	71.
16 51 15	74.	98.	82.	82.	84.	155.	203.	145.	123.	110.	71.	76.	75.
16 51 20	77.	103.	83.	87.	90.	172.	204.	137.	121.	108.	69.	77.	73.
16 51 25	73.	97.	84.	78.	85.	171.	203.	145.	124.	108.	69.	74.	76.
16 51 30	78.	99.	88.	87.	88.	172.	*000000.	*000000.	*000000.	*000000.	68.	*000000.	*000000.
16 51 35	71.	95.	84.	80.	84.	165.	LOW	LOW	LOW	LOW	70.	LOW	LOW
16 51 40	84.	100.	89.	87.	88.	172.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 51 45	75.	100.	84.	80.	85.	176.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 51 50	79.	101.	85.	84.	87.	177.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 51 55	76.	93.	85.	80.	82.	173.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 52 0	77.	97.	86.	85.	83.	172.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 52 5	82.	97.	89.	87.	90.	174.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 52 10	78.	95.	86.	81.	84.	169.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 52 15	80.	102.	86.	84.	89.	176.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 52 20	78.	101.	85.	85.	86.	172.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 52 25	74.	93.	78.	79.	82.	163.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 52 35	80.	98.	85.	84.	86.	174.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 52 40	73.	93.	82.	79.	79.	164.	LOW	LOW	LOW	LOW	67.	LOW	LOW

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET PUMP	SP 9 TEMP HYD OIL OUTLET COOLER	SP 10 TEMP HYD OIL OUTLET COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
16 52 45	76.	96.	89.	85.	84.	157.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 52 45	74.	97.	82.	77.	86.	173.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 52 50	76.	98.	84.	83.	87.	171.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 52 55	81.	108.	93.	90.	94.	185.	LOW	LOW	LOW	LOW	63.	LOW	LOW
16 53 0	77.	102.	88.	83.	91.	173.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 53 13	71.	93.	82.	80.	76.	165.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 53 18	72.	96.	82.	82.	81.	166.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 53 16	75.	97.	86.	84.	80.	165.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 53 21	72.	96.	83.	79.	82.	164.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 53 26	76.	103.	86.	88.	84.	172.	LOW	LOW	LOW	LOW	65.	LOW	LOW
16 53 31	79.	105.	89.	91.	87.	175.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 53 36	74.	91.	81.	79.	82.	150.	LOW	LOW	LOW	LOW	63.	LOW	LOW
16 53 41	78.	95.	85.	85.	82.	163.	LOW	LOW	LOW	LOW	65.	LOW	LOW
16 53 46	78.	95.	84.	84.	80.	152.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 53 51	79.	98.	84.	81.	84.	170.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 53 56	81.	105.	90.	92.	91.	175.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 1	76.	100.	88.	88.	85.	168.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 6	84.	103.	87.	90.	90.	176.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 54 11	79.	97.	84.	87.	85.	159.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 16	78.	99.	86.	88.	74.	158.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 21	77.	97.	84.	85.	79.	170.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 54 26	71.	95.	79.	78.	80.	155.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 54 31	76.	102.	86.	84.	86.	175.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 36	74.	98.	87.	86.	84.	157.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 54 41	77.	101.	88.	87.	89.	175.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 46	73.	95.	79.	80.	84.	163.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 51	77.	98.	87.	83.	85.	168.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 54 56	77.	98.	90.	75.	85.	159.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 55 1	80.	102.	92.	82.	87.	159.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 55 6	91.	106.	96.	93.	97.	176.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 56 9	86.	101.	96.	88.	89.	159.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 56 19	84.	105.	99.	89.	91.	171.	LOW	LOW	LOW	LOW	65.	LOW	LOW
16 56 24	83.	101.	95.	82.	88.	157.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 56 29	88.	104.	99.	89.	96.	159.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 56 29	85.	101.	100.	87.	85.	158.	LOW	LOW	LOW	LOW	65.	LOW	LOW
16 56 34	73.	90.	91.	73.	75.	158.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 56 39	79.	93.	94.	76.	79.	153.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 56 49	78.	89.	92.	78.	75.	150.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 55 54	83.	94.	98.	77.	86.	156.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 56 59	81.	96.	100.	82.	82.	153.	LOW	LOW	LOW	LOW	63.	LOW	LOW
16 56 59	79.	94.	96.	76.	82.	154.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 57 4	81.	96.	97.	79.	79.	152.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 57 9	86.	99.	99.	82.	85.	155.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 57 14	88.	102.	101.	86.	89.	168.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 57 19	89.	103.	101.	87.	89.	158.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 57 24	74.	93.	90.	71.	77.	158.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 57 30	77.	93.	94.	75.	77.	150.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 57 35	82.	93.	97.	78.	79.	156.	LOW	LOW	LOW	LOW	63.	LOW	LOW
16 57 40	81.	94.	95.	76.	81.	164.	LOW	LOW	LOW	LOW	58.	LOW	LOW

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET OIL PUMP	SP 9 TEMP HYD OIL INLET COOLER	SP 10 TEMP HYD OIL OUTLET OIL COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H STA687
14													
16 57 45	80.	95.	97.	77.	75.	156.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 57 50	78.	94.	95.	77.	78.	156.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 57 55	76.	87.	93.	69.	78.	159.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 58 0	82.	92.	98.	78.	81.	161.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 58 5	74.	86.	92.	76.	78.	152.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 58 10	85.	92.	96.	80.	84.	150.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 58 15	72.	91.	89.	73.	78.	154.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 58 20	71.	90.	91.	72.	77.	155.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 58 25	85.	98.	102.	86.	85.	153.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 58 30	80.	96.	97.	80.	82.	155.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 58 35	83.	98.	101.	82.	82.	158.	LOW	LOW	LOW	LOW	65.	LOW	LOW
16 58 40	83.	97.	99.	80.	85.	153.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 58 45	87.	102.	95.	86.	90.	159.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 58 55	80.	99.	95.	82.	85.	155.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 59 0	77.	91.	87.	74.	84.	157.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 59 0	78.	95.	95.	78.	85.	153.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 59 5	76.	94.	97.	78.	80.	150.	LOW	LOW	LOW	LOW	53.	LOW	LOW
16 59 10	82.	99.	100.	83.	85.	154.	LOW	LOW	LOW	LOW	60.	LOW	LOW
16 59 15	74.	102.	103.	82.	67.	174.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 59 25	74.	95.	99.	76.	81.	154.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 59 30	84.	97.	100.	86.	85.	161.	LOW	LOW	LOW	LOW	66.	LOW	LOW
16 59 35	81.	95.	99.	80.	85.	160.	LOW	LOW	LOW	LOW	68.	LOW	LOW
16 59 35	72.	90.	91.	69.	80.	159.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 59 40	74.	88.	93.	70.	79.	159.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 59 45	88.	97.	101.	82.	90.	169.	LOW	LOW	LOW	LOW	69.	LOW	LOW
16 59 50	83.	96.	99.	80.	85.	153.	LOW	LOW	LOW	LOW	67.	LOW	LOW
16 59 55	74.	88.	91.	73.	78.	152.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 0 0	75.	92.	94.	74.	79.	159.	LOW	LOW	LOW	LOW	68.	LOW	LOW
17 45 23	78.	90.	103.	80.	78.	150.	LOW	LOW	LOW	LOW	65.	LOW	LOW
17 45 28	79.	91.	103.	79.	78.	152.	LOW	LOW	LOW	LOW	65.	LOW	LOW
17 45 33	80.	97.	106.	81.	82.	152.	LOW	LOW	LOW	LOW	65.	LOW	LOW
17 45 39	82.	95.	106.	80.	84.	157.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 45 44	82.	98.	109.	82.	84.	159.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 45 49	79.	96.	106.	81.	81.	158.	LOW	LOW	LOW	LOW	65.	LOW	LOW
17 45 54	79.	91.	100.	73.	81.	165.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 45 59	80.	94.	103.	75.	83.	158.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 46 4	75.	86.	101.	72.	74.	156.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 46 9	78.	90.	98.	72.	75.	151.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 46 14	74.	85.	100.	73.	73.	146.	LOW	LOW	LOW	LOW	63.	LOW	LOW
17 46 19	71.	87.	100.	70.	75.	153.	LOW	LOW	LOW	LOW	65.	LOW	LOW
17 46 32	74.	88.	96.	70.	80.	153.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 46 29	73.	89.	100.	70.	77.	155.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 46 34	69.	93.	103.	69.	76.	157.	LOW	LOW	LOW	LOW	69.	LOW	LOW
17 46 39	75.	94.	105.	74.	78.	153.	LOW	LOW	LOW	LOW	69.	LOW	LOW
17 47 37	80.	95.	104.	76.	85.	171.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 47 42	78.	92.	104.	75.	81.	164.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 47 47	72.	93.	102.	74.	76.	156.	LOW	LOW	LOW	LOW	65.	LOW	LOW
17 47 52	78.	94.	105.	76.	81.	155.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 47 57	69.	85.	95.	67.	69.	159.	LOW	LOW	LOW	LOW	67.	LOW	LOW

TIME M/A/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET OIL COOLER PUMP	SP 9 TEMP HYD OIL OIL COOLER	SP 10 TEMP HYD OIL OUTLET OIL COOLER	EC 38 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/M STA687	AF 38 TEMP SKIN MASS TAIL R/M STA687
14													
17 58 33	78.	92.	102.	75.	77.	155.	LOW	LOW	LOW	LOW	65.	LOW	LOW
17 58 38	84.	100.	109.	82.	74.	174.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 58 43	83.	97.	107.	79.	79.	171.	LOW	LOW	LOW	LOW	68.	LOW	LOW
17 58 48	83.	97.	110.	81.	83.	176.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 58 53	80.	96.	107.	78.	81.	155.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 58 58	73.	89.	100.	67.	80.	153.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 59 3	72.	89.	101.	69.	77.	152.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 59 8	73.	85.	95.	71.	75.	150.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 59 13	74.	88.	99.	72.	77.	158.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 59 18	74.	97.	106.	79.	84.	155.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 59 23	76.	93.	105.	75.	81.	155.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 59 28	69.	91.	99.	70.	76.	152.	LOW	LOW	LOW	LOW	67.	LOW	LOW
17 59 33	73.	93.	99.	70.	75.	150.	LOW	LOW	LOW	LOW	66.	LOW	LOW
17 59 38	76.	93.	105.	77.	79.	150.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 6 39	91.	96.	116.	86.	84.	149.	LOW	LOW	LOW	LOW	64.	LOW	LOW
18 6 44	111.	101.	130.	95.	89.	139.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 6 49	111.	98.	131.	95.	87.	138.	LOW	LOW	LOW	LOW	65.	LOW	LOW
18 6 54	112.	101.	134.	97.	90.	138.	LOW	LOW	LOW	LOW	67.	LOW	LOW
18 6 59	112.	100.	133.	97.	90.	138.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 7 4	114.	101.	132.	99.	89.	136.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 7 9	115.	101.	133.	99.	84.	135.	LOW	LOW	LOW	LOW	69.	LOW	LOW
18 7 14	116.	101.	136.	101.	92.	131.	LOW	LOW	LOW	LOW	68.	LOW	LOW
18 7 24	116.	101.	136.	101.	92.	131.	LOW	LOW	LOW	LOW	67.	LOW	LOW
18 7 39	117.	102.	139.	102.	91.	133.	LOW	LOW	LOW	LOW	68.	LOW	LOW
18 7 44	118.	102.	139.	101.	92.	132.	LOW	LOW	LOW	LOW	63.	LOW	LOW
18 7 44	120.	103.	140.	102.	92.	132.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 7 49	120.	103.	140.	102.	92.	132.	LOW	LOW	LOW	LOW	69.	LOW	LOW
18 7 54	121.	104.	136.	103.	94.	130.	LOW	LOW	LOW	LOW	68.	LOW	LOW
18 7 59	121.	103.	138.	103.	95.	129.	LOW	LOW	LOW	LOW	68.	LOW	LOW
18 8 4	123.	105.	141.	105.	97.	130.	LOW	LOW	LOW	LOW	67.	LOW	LOW
18 8 9	123.	105.	140.	105.	97.	130.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 8 14	121.	104.	141.	105.	95.	128.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 8 20	122.	105.	141.	106.	97.	128.	LOW	LOW	LOW	LOW	68.	LOW	LOW
18 8 25	123.	105.	143.	106.	95.	129.	LOW	LOW	LOW	LOW	67.	LOW	LOW
18 8 30	124.	105.	144.	106.	96.	128.	LOW	LOW	LOW	LOW	66.	LOW	LOW
18 20 38	143.	116.	147.	127.	152.	95.	155.	171.	97.	95.	69.	77.	76.
18 20 43	142.	116.	147.	127.	152.	94.	156.	171.	97.	96.	69.	75.	76.
18 21 9	142.	117.	146.	126.	149.	94.	165.	171.	97.	95.	69.	77.	76.
18 21 14	145.	120.	151.	131.	157.	96.	157.	171.	96.	98.	74.	78.	80.
18 21 14	147.	121.	154.	134.	163.	96.	157.	176.	131.	102.	79.	81.	80.
18 21 19	147.	122.	154.	135.	163.	95.	166.	175.	99.	101.	78.	78.	81.
18 21 24	147.	121.	151.	134.	162.	95.	164.	175.	93.	98.	74.	79.	80.
18 21 29	146.	121.	150.	133.	162.	93.	164.	174.	98.	98.	74.	79.	79.
18 21 34	144.	119.	150.	132.	160.	92.	162.	171.	95.	99.	74.	78.	78.
18 21 39	143.	117.	149.	131.	160.	91.	162.	170.	95.	97.	71.	78.	78.
18 21 45	141.	116.	150.	129.	159.	90.	161.	169.	95.	95.	73.	76.	78.
18 21 50	141.	117.	148.	129.	159.	89.	156.	169.	94.	95.	73.	77.	78.
18 21 55	139.	115.	148.	127.	158.	88.	161.	169.	93.	94.	72.	76.	77.
18 22 0	140.	112.	146.	127.	159.	88.	160.	165.	92.	93.	72.	77.	77.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 18 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL OUTLET UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
18 22 5	141.	113.	145.	128.	156.	89.	160.	161.	92.	92.	69.	77.	76.
18 22 10	139.	113.	145.	127.	159.	89.	164.	164.	92.	92.	69.	76.	77.
18 22 15	142.	115.	146.	126.	158.	86.	160.	167.	93.	91.	66.	78.	79.
18 22 20	142.	116.	146.	126.	158.	88.	160.	167.	90.	91.	67.	77.	76.
18 22 25	141.	114.	143.	127.	160.	88.	163.	161.	90.	91.	69.	76.	77.
18 22 30	141.	114.	144.	127.	160.	87.	161.	164.	92.	92.	70.	77.	77.
18 22 35	139.	113.	145.	126.	159.	88.	152.	167.	91.	92.	69.	77.	76.
18 22 40	140.	109.	145.	126.	159.	87.	156.	167.	92.	93.	70.	77.	77.
18 22 45	141.	114.	145.	128.	160.	88.	160.	167.	92.	93.	72.	78.	74.
18 22 50	140.	115.	145.	128.	160.	90.	160.	160.	92.	93.	72.	77.	75.
18 22 55	141.	114.	149.	128.	160.	89.	159.	169.	91.	93.	71.	77.	78.
18 23 0	142.	115.	146.	128.	160.	89.	159.	168.	92.	93.	70.	76.	76.

C COMMUTATOR

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/MENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 3 FLOW FUEL L/MENG	PR 1 RPM N1 TACH GER L/MENG	PR 2 RPM N2 TACH GER L/MENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
16 13 3	LOW	-.293	LOW	LOW	LOW	LOW	2.993	28.98	77983.	0.	157.	106.	-12.
16 59 8	LOW	-.147	LOW	LOW	LOW	LOW	2.990	29.49	77943.	59.	171.	49.	-7.
16 19 13	LOW	.489	LOW	LOW	LOW	LOW	2.989	29.19	78579.	97.	-14.	1.	-1.
16 19 31	LOW	.611	LOW	LOW	LOW	LOW	2.988	29.33	78010.	49.	43.	2.	-2.
16 13 28	LOW	.293	LOW	LOW	LOW	LOW	2.978	30.81	78280.	146.	43.	2.	-1.
16 19 33	LOW	.244	LOW	LOW	LOW	LOW	2.983	30.32	78317.	92.	71.	2.	-1.
16 19 33	LOW	.782	LOW	LOW	LOW	LOW	2.982	30.00	78303.	0.	71.	1.	-0.
16 19 38	LOW	.855	LOW	LOW	LOW	LOW	2.985	29.81	78467.	29.	86.	1.	-0.
16 19 43	LOW	-.849	LOW	LOW	LOW	LOW	2.996	29.89	78205.	68.	71.	2.	-1.
16 59 48	LOW	.122	LOW	LOW	LOW	LOW	2.992	29.11	78283.	49.	78.	2.	-0.
16 19 53	LOW	-.489	LOW	LOW	LOW	LOW	2.962	29.03	77081.	39.	71.	1.	-1.
16 59 58	LOW	.073	LOW	LOW	LOW	LOW	2.979	28.95	77306.	63.	86.	2.	-0.
16 20 4	LOW	1.124	LOW	LOW	LOW	LOW	2.985	30.48	78304.	18.	114.	1.	2.
16 20 9	LOW	.513	LOW	LOW	LOW	LOW	2.987	30.46	78317.	34.	139.	1.	1.
16 21 26	LOW	-.147	LOW	LOW	LOW	LOW	2.989	26.61	78354.	68.	14.	1.	-4.
16 21 31	LOW	.098	LOW	LOW	LOW	LOW	2.981	27.61	78139.	88.	78.	1.	-2.
16 21 36	LOW	0.000	LOW	LOW	LOW	LOW	2.996	28.23	78429.	78.	114.	1.	-0.
16 21 41	LOW	.024	LOW	LOW	LOW	LOW	2.983	28.28	78467.	49.	100.	1.	-1.
16 21 46	LOW	-.489	LOW	LOW	LOW	LOW	2.953	27.04	77980.	49.	100.	1.	-0.
16 21 51	LOW	-.415	LOW	LOW	LOW	LOW	2.983	27.98	78318.	39.	128.	2.	-2.
16 21 56	LOW	.342	LOW	LOW	LOW	LOW	2.994	27.90	77985.	78.	86.	2.	-2.
16 22 1	LOW	.049	LOW	LOW	LOW	LOW	2.998	27.85	78018.	88.	64.	2.	-2.
16 22 6	LOW	-.244	LOW	LOW	LOW	LOW	2.982	28.82	78130.	29.	100.	2.	-1.
16 22 11	LOW	-.073	LOW	LOW	LOW	LOW	2.982	29.12	77930.	83.	114.	2.	-1.
16 22 16	LOW	-.342	LOW	LOW	LOW	LOW	2.978	27.85	78079.	39.	157.	2.	-3.
16 22 21	LOW	.024	LOW	LOW	LOW	LOW	2.977	28.44	78317.	68.	100.	2.	-2.
16 22 34	LOW	-.489	LOW	LOW	LOW	LOW	2.983	27.69	77750.	107.	57.	1.	-2.
16 22 36	LOW	-.684	LOW	LOW	LOW	LOW	2.981	27.72	77968.	102.	64.	1.	-2.
16 22 41	LOW	0.000	LOW	LOW	LOW	LOW	2.976	28.64	77983.	-10.	43.	2.	-3.
16 22 46	LOW	.098	LOW	LOW	LOW	LOW	2.978	28.04	78355.	10.	50.	1.	-1.
16 22 51	LOW	.684	LOW	LOW	LOW	LOW	2.980	28.49	77750.	58.	100.	1.	-2.
16 22 56	LOW	.733	LOW	LOW	LOW	LOW	2.978	27.72	77983.	73.	43.	2.	-2.
16 23 1	LOW	-.244	LOW	LOW	LOW	LOW	2.965	29.03	78003.	97.	57.	1.	-1.
16 23 9	LOW	.147	LOW	LOW	LOW	LOW	2.965	27.88	78304.	97.	50.	2.	-1.
16 23 6	LOW	.440	LOW	LOW	LOW	LOW	2.965	28.33	78579.	29.	14.	2.	-0.
16 23 11	LOW	.391	LOW	LOW	LOW	LOW	2.965	27.72	78429.	39.	64.	2.	-2.
16 23 16	LOW	1.124	LOW	LOW	LOW	LOW	2.989	27.74	77831.	88.	86.	3.	-2.
16 23 21	LOW	.440	LOW	LOW	LOW	LOW	2.987	27.88	77930.	58.	71.	2.	-2.
16 23 26	LOW	.391	LOW	LOW	LOW	LOW	2.980	28.39	78354.	68.	100.	1.	-2.
16 23 32	LOW	.489	LOW	LOW	LOW	LOW	2.987	28.28	78354.	83.	100.	2.	-2.
16 23 37	LOW	0.000	LOW	LOW	LOW	LOW	2.980	28.78	78354.	68.	14.	1.	0.
16 23 42	LOW	-.318	LOW	LOW	LOW	LOW	2.980	26.55	78317.	88.	57.	2.	-1.
16 23 47	LOW	-.147	LOW	LOW	LOW	LOW	2.960	28.98	78354.	97.	157.	1.	-1.
16 23 52	LOW	.171	LOW	LOW	LOW	LOW	2.982	28.92	78167.	78.	128.	1.	0.
16 23 57	LOW	.342	LOW	LOW	LOW	LOW	2.967	27.63	78283.	-10.	100.	1.	0.

TIME H/M/S	PR 21 TEMP SURFAC FWD PART MOVBLE SFLKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
16 38 34	LOW	.122	LOW	LOW	LOW	LOW	2.967	27.66	78517.	34.	93.	1.	0.
16 38 39	LOW	.391	LOW	LOW	LOW	LOW	2.982	28.92	78205.	78.	114.	3.	-2.
16 38 44	LOW	13.563	LOW	LOW	LOW	LOW	2.963	28.66	78130.	78.	192.	3.	-1.
16 38 49	LOW	26.735	LOW	LOW	LOW	LOW	2.974	28.12	78280.	68.	2024.	2.	-1.
16 38 54	LOW	26.862	LOW	LOW	LOW	LOW	2.977	27.86	78429.	268.	2217.	2.	-0.
16 38 59	LOW	27.378	LOW	LOW	LOW	LOW	2.969	28.12	78579.	574.	2723.	2.	-0.
16 39 4	LOW	27.468	LOW	LOW	LOW	LOW	2.973	28.23	78616.	827.	3051.	2.	0.
16 39 9	LOW	26.931	LOW	LOW	LOW	LOW	2.971	27.98	79470.	1673.	4798.	1.	-0.
16 39 14	LOW	23.994	LOW	LOW	LOW	LOW	2.957	28.23	78953.	1995.	5374.	2.	-1.
16 39 19	LOW	-.196	LOW	LOW	LOW	LOW	2.936	27.90	79252.	2763.	7926.	1.	1.
16 39 24	LOW	.367	LOW	LOW	LOW	LOW	2.924	28.04	79252.	3376.	8603.	1.	1.
16 39 29	LOW	.244	LOW	LOW	LOW	LOW	2.913	27.96	79102.	3911.	9565.	2.	-0.
16 39 34	LOW	.196	LOW	LOW	LOW	LOW	2.902	28.06	79140.	3928.	9722.	2.	1.
16 39 39	LOW	.831	LOW	LOW	LOW	LOW	2.899	28.12	79177.	3950.	9722.	2.	-0.
16 39 44	LOW	.415	LOW	LOW	LOW	LOW	2.892	28.47	79728.	3940.	9693.	2.	1.
16 39 49	LOW	0.000	LOW	LOW	LOW	LOW	2.899	27.96	79177.	3989.	9051.	2.	1.
16 39 59	LOW	-.244	LOW	LOW	LOW	LOW	2.895	28.28	78803.	3935.	9743.	2.	-0.
16 40 4	LOW	.391	LOW	LOW	LOW	LOW	2.897	28.60	77681.	4028.	9793.	2.	2.
16 40 9	LOW	.318	LOW	LOW	LOW	LOW	2.893	28.58	78517.	4028.	9772.	2.	1.
16 40 9	LOW	.098	LOW	LOW	LOW	LOW	2.899	28.06	79776.	3966.	9093.	1.	-1.
16 40 14	LOW	.147	LOW	LOW	LOW	LOW	2.856	27.98	79701.	3926.	9838.	1.	-0.
16 40 19	LOW	.049	LOW	LOW	LOW	LOW	2.878	28.06	79177.	3950.	9708.	1.	-5.
16 40 29	LOW	.171	LOW	LOW	LOW	LOW	2.886	27.96	79065.	3931.	9765.	2.	-7.
16 40 34	LOW	.733	LOW	LOW	LOW	LOW	2.891	27.90	79102.	4018.	9788.	2.	-1.
16 40 34	LOW	.611	LOW	LOW	LOW	LOW	2.895	28.01	78953.	3965.	9729.	2.	-1.
16 46 33	71.	-.049	74.	76.	71.	73.	1.561	28.28	4449.	9827.	14426.	3.	-0.
16 46 38	70.	.122	74.	74.	72.	73.	1.555	28.17	4448.	9870.	14383.	3.	-8.
16 46 43	69.	.342	76.	74.	70.	71.	1.512	27.96	4448.	9836.	14426.	1.	-6.
16 46 53	71.	.440	74.	74.	71.	71.	1.575	28.12	4527.	9836.	14426.	2.	-2.
16 46 53	71.	.342	71.	74.	63.	73.	1.517	28.06	4448.	9895.	14440.	3.	2.
16 46 58	70.	.318	74.	73.	67.	72.	1.523	28.23	4448.	9904.	14448.	3.	1.
16 47 3	70.	.587	78.	74.	71.	74.	1.567	28.17	3913.	9827.	14554.	1.	1.
16 47 8	71.	.587	77.	74.	71.	73.	1.581	28.23	3932.	9875.	14497.	2.	-4.
16 47 13	71.	2.297	73.	73.	71.	71.	1.591	28.01	3495.	9583.	14284.	2.	-4.
16 47 23	69.	1.564	71.	73.	71.	71.	1.621	27.66	3058.	9218.	14041.	2.	-6.
16 47 28	71.	.244	77.	74.	72.	75.	2.005	27.90	1191.	8445.	13514.	4.	-10.
16 47 28	70.	.440	76.	74.	71.	73.	2.175	27.80	1271.	8177.	13357.	3.	-10.
16 47 33	72.	.293	75.	73.	70.	71.	2.408	27.96	574.	7394.	12644.	3.	-5.
16 47 38	72.	.415	77.	74.	71.	72.	2.492	27.88	396.	7178.	12051.	3.	-5.
16 47 43	66.	-.147	75.	74.	70.	71.	2.577	28.12	73.	6791.	12302.	4.	-7.
16 47 48	68.	.098	75.	74.	70.	71.	2.500	27.86	397.	6742.	12352.	3.	-7.
16 47 53	71.	.196	76.	73.	72.	73.	2.630	28.17	0.	6694.	12274.	2.	-7.
16 47 58	72.	.269	75.	72.	71.	73.	2.624	28.12	40.	6728.	12274.	1.	-8.
16 48 4	71.	.538	76.	73.	71.	71.	2.611	27.94	159.	6674.	12316.	3.	-6.
16 48 9	70.	.244	75.	73.	71.	72.	2.610	27.93	159.	6723.	12316.	3.	-8.
16 48 14	67.	.391	74.	72.	70.	72.	2.618	27.90	79.	6762.	12259.	3.	-8.
16 48 19	70.	.147	75.	73.	71.	72.	2.616	28.04	79.	6733.	12231.	3.	-6.
16 48 24	69.	-.440	76.	73.	71.	72.	2.630	28.06	318.	6674.	12288.	3.	-5.
16 48 29	71.	.049	75.	75.	73.	73.	2.616	28.41	-77.	6708.	12331.	3.	-7.

TIME H/M/S	PR 20 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	GS 5 ATTD PITCH	GS 6 ATTD ROLL
15													
16 48 34	74.	-.049	75.	74.	71.	73.	2.618	27.90	715.	6723.	12316.	2.	-7.
16 48 39	73.	.024	77.	73.	71.	73.	2.629	27.96	397.	6626.	12268.	2.	-6.
16 48 44	70.	.880	70.	73.	69.	71.	2.638	27.53	715.	6694.	12316.	4.	-7.
16 48 49	69.	.756	72.	74.	70.	69.	2.615	27.66	40357.	6708.	12331.	4.	-7.
16 48 54	70.	.391	73.	73.	71.	73.	2.640	27.90	039.	6655.	12316.	2.	-7.
16 48 59	73.	.220	74.	74.	72.	73.	2.034	28.01	437.	6689.	12274.	3.	-7.
16 49 4	68.	.587	74.	70.	70.	71.	2.634	27.58	556.	6616.	12373.	1.	-6.
16 49 9	67.	.415	75.	71.	70.	71.	2.627	27.98	40283.	6674.	12352.	2.	-6.
16 49 14	69.	-.098	76.	74.	71.	74.	2.621	28.06	79.	6655.	12231.	4.	-6.
16 49 19	69.	.049	74.	73.	62.	72.	2.629	27.90	40.	6636.	12245.	4.	-6.
16 49 29	72.	.196	74.	67.	69.	71.	2.630	28.33	79.	6664.	12345.	3.	-6.
16 49 29	72.	.489	74.	69.	70.	72.	2.626	28.15	397.	6689.	12352.	2.	-6.
16 49 34	71.	.147	76.	73.	71.	69.	2.630	27.85	556.	6723.	12410.	3.	-6.
16 49 39	69.	.269	72.	72.	70.	73.	2.621	27.96	715.	6664.	12245.	2.	-8.
16 49 52	71.	-.098	75.	75.	73.	73.	2.621	28.33	1033.	6645.	12402.	3.	-6.
16 49 49	71.	-.122	75.	74.	74.	73.	2.611	28.09	715.	6694.	12402.	2.	-7.
16 49 59	72.	.342	76.	73.	71.	72.	2.615	27.80	79551.	6664.	12217.	3.	-6.
16 50 4	72.	.367	76.	73.	70.	71.	2.619	27.98	79770.	6757.	12281.	3.	-6.
16 50 9	68.	.342	78.	74.	71.	74.	2.640	28.26	353.	6713.	12259.	2.	-8.
16 50 9	67.	.220	76.	74.	71.	74.	2.638	28.06	874.	6689.	12309.	2.	-8.
16 50 14	73.	.147	73.	71.	69.	70.	2.621	28.49	397.	6616.	12316.	3.	-4.
16 50 19	72.	-.342	74.	70.	70.	72.	2.621	28.28	40086.	6669.	12252.	2.	-5.
16 50 24	67.	0.000	74.	74.	72.	71.	2.627	27.69	79.	6733.	12416.	2.	-8.
16 50 29	71.	.171	75.	72.	72.	73.	2.623	27.72	40340.	6723.	12338.	2.	-9.
16 50 34	65.	-.489	74.	71.	69.	71.	2.627	28.44	79350.	6723.	12373.	4.	-7.
16 50 40	69.	-.269	75.	72.	69.	72.	2.627	27.96	40344.	6708.	12366.	3.	-7.
16 50 45	69.	-.244	74.	73.	69.	70.	2.602	28.01	159.	6742.	12202.	3.	-6.
16 50 50	69.	.562	73.	72.	70.	72.	2.616	27.77	556.	6694.	12259.	3.	-6.
16 50 55	71.	-.293	74.	74.	71.	72.	2.640	27.10	0.	6694.	12331.	3.	-7.
16 51 0	70.	.049	74.	72.	71.	72.	2.615	27.45	40.	6694.	12267.	3.	-7.
16 51 13	70.	-.049	72.	72.	69.	71.	2.640	28.12	635.	6694.	12359.	1.	-8.
16 51 18	70.	.244	73.	72.	69.	71.	2.626	28.04	675.	6674.	12267.	2.	-7.
16 51 15	72.	.684	76.	74.	71.	71.	2.624	27.96	635.	6674.	12402.	3.	-9.
16 51 20	70.	.709	75.	72.	68.	69.	2.630	28.01	477.	6640.	12352.	3.	-6.
16 51 25	72.	.196	77.	73.	72.	74.	2.618	28.01	79925.	6742.	12373.	3.	-7.
16 51 30	*000000.	.196	*000000.	*000000.	*000000.	*000000.	2.618	28.01	79925.	6742.	12373.	3.	-7.
16 51 35	LOW	.684	LOW	LOW	LOW	LOW	2.618	28.01	40032.	6713.	12286.	3.	-7.
16 51 40	LOW	.782	LOW	LOW	LOW	LOW	2.637	27.53	715.	6606.	12259.	3.	-6.
16 51 45	LOW	-.391	LOW	LOW	LOW	LOW	2.638	27.80	437.	6630.	12288.	3.	-8.
16 51 50	LOW	-.122	LOW	LOW	LOW	LOW	2.627	28.39	556.	6723.	12288.	2.	-6.
16 51 55	LOW	0.000	LOW	LOW	LOW	LOW	2.616	28.31	357.	6660.	12295.	2.	-6.
16 52 0	LOW	.367	LOW	LOW	LOW	LOW	2.624	27.47	715.	6528.	12245.	3.	-6.
16 52 5	LOW	.440	LOW	LOW	LOW	LOW	2.621	27.58	477.	6562.	12224.	3.	-6.
16 52 10	LOW	-.122	LOW	LOW	LOW	LOW	2.640	27.85	33000.	6723.	12402.	4.	-9.
16 52 15	LOW	1.271	LOW	LOW	LOW	LOW	2.635	27.85	40040.	6659.	12388.	3.	-8.
16 52 20	LOW	1.100	LOW	LOW	LOW	LOW	2.640	27.63	79.	6626.	12345.	2.	-7.
16 52 25	LOW	.391	LOW	LOW	LOW	LOW	2.635	27.53	397.	6674.	12288.	2.	-8.
16 52 35	LOW	.098	LOW	LOW	LOW	LOW	2.611	28.87	556.	6645.	12188.	1.	-8.
16 52 40	LOW	-.782	LOW	LOW	LOW	LOW	2.611	28.52	596.	6630.	12274.	2.	-7.
							2.618	28.26	635.	6723.	12430.	1.	-8.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOJT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
16 52 45	LOW	-.318	LOW	LOW	LOW	LOW	2.610	28.31	477.	6708.	12395.	2.	-6.
16 52 45	LOW	.538	LOW	LOW	LOW	LOW	2.621	27.53	153.	6723.	12416.	1.	-7.
16 52 50	LOW	.073	LOW	LOW	LOW	LOW	2.626	27.82	516.	6723.	12381.	2.	-6.
16 52 55	LOW	0.000	LOW	LOW	LOW	LOW	2.640	27.63	79701.	6694.	12359.	3.	-8.
16 53 0	LOW	.367	LOW	LOW	LOW	LOW	2.634	28.01	40003.	6723.	12345.	2.	-9.
16 53 13	LOW	-.049	LOW	LOW	LOW	LOW	2.624	28.33	318.	6635.	12302.	2.	-6.
16 53 10	LOW	.049	LOW	LOW	LOW	LOW	2.626	28.15	40009.	6674.	12324.	3.	-6.
16 53 16	LOW	.489	LOW	LOW	LOW	LOW	2.640	27.63	397.	6645.	12331.	2.	-7.
16 53 21	LOW	.587	LOW	LOW	LOW	LOW	2.640	27.77	40080.	6645.	12316.	2.	-8.
16 53 26	LOW	0.000	LOW	LOW	LOW	LOW	2.630	27.74	79.	6665.	12388.	1.	-6.
16 53 31	LOW	-.024	LOW	LOW	LOW	LOW	2.634	28.04	39928.	6669.	12395.	2.	-7.
16 53 36	LOW	-.244	LOW	LOW	LOW	LOW	2.615	27.85	79776.	6742.	12302.	3.	-6.
16 53 41	LOW	.244	LOW	LOW	LOW	LOW	2.626	27.82	40047.	6747.	12300.	2.	-6.
16 53 46	LOW	1.222	LOW	LOW	LOW	LOW	2.618	27.47	79701.	6635.	12331.	3.	-6.
16 53 51	LOW	.562	LOW	LOW	LOW	LOW	2.610	27.58	39979.	6665.	12202.	2.	-6.
16 53 56	LOW	-.733	LOW	LOW	LOW	LOW	2.637	28.23	79925.	6684.	12302.	2.	-9.
16 54 1	LOW	-.342	LOW	LOW	LOW	LOW	2.629	28.09	39963.	6694.	12281.	2.	-8.
16 54 6	LOW	0.000	LOW	LOW	LOW	LOW	2.624	28.06	79850.	6655.	12445.	2.	-7.
16 54 11	LOW	.244	LOW	LOW	LOW	LOW	2.621	28.12	40085.	6686.	12430.	2.	-8.
16 54 16	LOW	-.342	LOW	LOW	LOW	LOW	2.627	27.96	79850.	6567.	12268.	2.	-9.
16 54 21	LOW	-.342	LOW	LOW	LOW	LOW	2.621	27.96	79850.	6611.	12288.	2.	-7.
16 54 26	LOW	.587	LOW	LOW	LOW	LOW	2.618	28.28	80000.	6752.	12359.	2.	-6.
16 54 31	LOW	.660	LOW	LOW	LOW	LOW	2.624	28.31	80083.	6723.	12331.	3.	-6.
16 54 36	LOW	.782	LOW	LOW	LOW	LOW	2.611	28.12	79925.	6655.	12345.	2.	-6.
16 54 41	LOW	.684	LOW	LOW	LOW	LOW	2.094	27.90	79063.	6232.	11996.	2.	-5.
16 54 46	LOW	.782	LOW	LOW	LOW	LOW	2.816	27.58	79551.	5098.	11148.	1.	-9.
16 54 51	LOW	.635	LOW	LOW	LOW	LOW	2.834	27.74	79065.	4928.	10962.	2.	-9.
16 54 56	LOW	.440	LOW	LOW	LOW	LOW	2.875	27.80	79551.	4213.	9958.	3.	-6.
16 55 1	LOW	.415	LOW	LOW	LOW	LOW	2.875	27.55	79514.	4096.	9758.	3.	-9.
16 55 6	LOW	.538	LOW	LOW	LOW	LOW	2.884	28.06	79177.	4018.	9751.	1.	-7.
16 56 9	LOW	.220	LOW	LOW	LOW	LOW	2.885	27.98	79289.	4004.	9793.	1.	-7.
16 56 19	LOW	.782	LOW	LOW	LOW	LOW	2.888	28.01	79402.	3968.	9679.	2.	-7.
16 56 24	LOW	.562	LOW	LOW	LOW	LOW	2.881	28.09	79102.	3965.	9672.	2.	-6.
16 56 29	LOW	.147	LOW	LOW	LOW	LOW	2.878	27.69	78953.	3960.	9736.	1.	-7.
16 56 29	LOW	-.244	LOW	LOW	LOW	LOW	2.884	28.01	79215.	4004.	9722.	2.	-8.
16 56 34	LOW	.684	LOW	LOW	LOW	LOW	2.888	28.06	78954.	3979.	9779.	4.	-8.
16 56 39	LOW	.342	LOW	LOW	LOW	LOW	2.888	28.12	78954.	3979.	9696.	4.	-8.
16 56 49	LOW	.538	LOW	LOW	LOW	LOW	2.869	28.39	78683.	3931.	9853.	4.	-7.
16 56 54	LOW	-.073	LOW	LOW	LOW	LOW	2.982	28.23	78541.	3950.	9772.	3.	-8.
16 56 59	LOW	.196	LOW	LOW	LOW	LOW	2.869	28.01	79028.	3940.	9679.	3.	-7.
16 56 59	LOW	.513	LOW	LOW	LOW	LOW	2.884	28.17	78990.	3945.	9622.	3.	-7.
16 57 4	LOW	.831	LOW	LOW	LOW	LOW	2.877	27.69	79020.	4018.	9736.	2.	-7.
16 57 9	LOW	.171	LOW	LOW	LOW	LOW	2.875	27.98	79252.	4013.	9781.	3.	-6.
16 57 14	LOW	.538	LOW	LOW	LOW	LOW	2.891	28.01	79252.	4038.	9672.	3.	-5.
16 57 19	LOW	.391	LOW	LOW	LOW	LOW	2.869	27.88	79514.	3979.	9793.	2.	-5.
16 57 24	LOW	.391	LOW	LOW	LOW	LOW	2.884	27.96	79781.	3950.	9679.	4.	-4.
16 57 30	LOW	.660	LOW	LOW	LOW	LOW	2.885	27.82	79026.	3965.	9736.	3.	-6.
16 57 35	LOW	-.635	LOW	LOW	LOW	LOW	2.8c9	28.55	79023.	3931.	9679.	2.	-8.
16 57 40	LOW	-.318	LOW	LOW	LOW	LOW	2.883	28.12	79140.	3935.	9758.	2.	-8.

TIME H/M/S	PR 30 TEMP SURFAC FAN PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/MENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/MENG	PR 1 RPM N1 TACH GER L/MENG	PR 2 RPM N2 TACH GER L/MENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
16 57 45	LOW	.293	LOW	LOW	LOW	LOW	2.895	28.39	79102.	3970.	9665.	3.	-7.
16 57 50	LOW	.733	LOW	LOW	LOW	LOW	2.884	27.93	79353.	3906.	9750.	2.	-8.
16 57 55	LOW	-.831	LOW	LOW	LOW	LOW	2.875	27.90	79252.	3960.	9708.	4.	-10.
16 58 0	LOW	-.806	LOW	LOW	LOW	LOW	2.881	27.80	79327.	3945.	9715.	3.	-8.
16 58 5	LOW	-.976	LOW	LOW	LOW	LOW	2.882	28.28	79351.	3960.	9694.	3.	-6.
16 58 10	LOW	-.806	LOW	LOW	LOW	LOW	2.888	28.09	79364.	3935.	9665.	3.	-5.
16 58 15	LOW	.782	LOW	LOW	LOW	LOW	2.889	28.44	78378.	3999.	9779.	3.	-7.
16 58 20	LOW	.782	LOW	LOW	LOW	LOW	2.887	27.96	79365.	3984.	9779.	2.	-7.
16 58 25	LOW	-.098	LOW	LOW	LOW	LOW	2.889	27.58	79402.	3970.	9708.	2.	-6.
16 58 30	LOW	-.293	LOW	LOW	LOW	LOW	2.895	27.66	79364.	3965.	9636.	2.	-8.
16 58 35	LOW	-1.075	LOW	LOW	LOW	LOW	2.891	27.74	79353.	3999.	9679.	2.	-8.
16 58 40	LOW	-.464	LOW	LOW	LOW	LOW	2.880	27.96	79140.	3994.	9758.	2.	-8.
16 58 45	LOW	.049	LOW	LOW	LOW	LOW	2.888	28.12	79327.	3970.	9679.	1.	-7.
16 58 55	LOW	.024	LOW	LOW	LOW	LOW	2.889	27.90	79215.	3974.	9701.	1.	-8.
16 59 0	LOW	-.831	LOW	LOW	LOW	LOW	2.891	27.20	79028.	3985.	9736.	2.	-6.
16 59 0	LOW	-.367	LOW	LOW	LOW	LOW	2.888	27.69	78990.	3858.	9765.	1.	-6.
16 59 5	LOW	.733	LOW	LOW	LOW	LOW	2.871	28.86	79551.	3979.	9736.	3.	-7.
16 59 10	LOW	0.000	LOW	LOW	LOW	LOW	2.881	27.77	79102.	3911.	9751.	3.	-6.
16 59 15	LOW	1.222	LOW	LOW	LOW	LOW	2.888	28.33	78654.	3892.	9736.	1.	-7.
16 59 25	LOW	1.051	LOW	LOW	LOW	LOW	2.889	28.28	78728.	3986.	9722.	2.	-7.
16 59 30	LOW	1.124	LOW	LOW	LOW	LOW	2.897	28.01	78953.	3911.	9751.	3.	-10.
16 59 35	LOW	.635	LOW	LOW	LOW	LOW	2.883	27.80	79365.	3906.	9715.	2.	-9.
16 59 35	LOW	.538	LOW	LOW	LOW	LOW	2.893	27.63	79327.	3931.	9722.	3.	-8.
16 59 40	LOW	.269	LOW	LOW	LOW	LOW	2.891	27.93	78990.	3897.	9701.	3.	-6.
16 59 45	LOW	-.684	LOW	LOW	LOW	LOW	2.869	28.86	79102.	3970.	9751.	4.	-8.
16 59 50	LOW	-.342	LOW	LOW	LOW	LOW	2.893	28.26	79215.	3955.	9751.	3.	-7.
16 59 55	LOW	.049	LOW	LOW	LOW	LOW	2.884	27.96	79402.	3999.	9693.	3.	-7.
17 0 0	LOW	.464	LOW	LOW	LOW	LOW	2.889	27.61	79364.	4013.	9715.	3.	-8.
17 45 23	LOW	.391	LOW	LOW	LOW	LOW	2.825	27.53	79402.	3921.	9608.	2.	-9.
17 45 28	LOW	.587	LOW	LOW	LOW	LOW	2.851	27.72	79327.	3955.	9779.	2.	-9.
17 45 33	LOW	-.049	LOW	LOW	LOW	LOW	2.888	28.28	78378.	3940.	9708.	3.	-8.
17 45 39	LOW	.196	LOW	LOW	LOW	LOW	2.884	27.90	79140.	3955.	9758.	3.	-7.
17 45 44	LOW	.538	LOW	LOW	LOW	LOW	2.902	28.44	78953.	3726.	9665.	3.	-6.
17 45 49	LOW	.855	LOW	LOW	LOW	LOW	2.868	28.06	79365.	3838.	9715.	-6.	-7.
17 45 54	LOW	.098	LOW	LOW	LOW	LOW	2.891	28.23	79252.	3940.	9693.	2.	-7.
17 45 59	LOW	.367	LOW	LOW	LOW	LOW	2.890	28.17	78878.	3882.	9672.	2.	-7.
17 46 4	LOW	.244	LOW	LOW	LOW	LOW	2.899	28.33	78953.	3931.	9665.	2.	-9.
17 46 9	LOW	.318	LOW	LOW	LOW	LOW	2.897	27.47	78541.	3887.	9651.	2.	-9.
17 46 14	LOW	.391	LOW	LOW	LOW	LOW	2.901	28.12	78579.	3921.	9636.	2.	-9.
17 46 19	LOW	.342	LOW	LOW	LOW	LOW	2.901	27.90	78541.	3863.	9579.	2.	-8.
17 46 32	LOW	.538	LOW	LOW	LOW	LOW	2.882	27.31	79402.	3989.	9779.	2.	-6.
17 46 29	LOW	-.073	LOW	LOW	LOW	LOW	2.869	27.72	79065.	3950.	9708.	3.	-7.
17 46 34	LOW	.684	LOW	LOW	LOW	LOW	2.884	27.53	78953.	3931.	9765.	1.	-6.
17 46 39	LOW	.587	LOW	LOW	LOW	LOW	2.882	27.61	79102.	3970.	9758.	2.	-8.
17 47 37	LOW	-.098	LOW	LOW	LOW	LOW	2.882	27.74	79252.	3892.	9751.	2.	-8.
17 47 42	LOW	.391	LOW	LOW	LOW	LOW	2.883	27.74	79028.	3950.	9758.	2.	-8.
17 47 47	LOW	1.026	LOW	LOW	LOW	LOW	2.899	27.69	79028.	3853.	9679.	2.	-5.
17 47 52	LOW	.758	LOW	LOW	LOW	LOW	2.869	27.58	79140.	3940.	9743.	1.	-7.
17 47 57	LOW	0.000	LOW	LOW	LOW	LOW	2.889	28.23	79177.	3853.	9736.	4.	-5.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVABLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
17 58 33	LOW	.440	LOW	LOW	LOW	LOW	2.890	27.77	79289.	3948.	9736.	3.	-7.
17 58 38	LOW	0.000	LOW	LOW	LOW	LOW	2.886	27.42	79482.	4028.	9822.	1.	-7.
17 58 43	LOW	.269	LOW	LOW	LOW	LOW	2.886	27.88	79177.	3999.	9665.	2.	-7.
17 58 48	LOW	.342	LOW	LOW	LOW	LOW	2.891	27.74	79252.	4008.	9779.	1.	-7.
17 58 53	LOW	.611	LOW	LOW	LOW	LOW	2.887	27.88	79364.	3989.	9793.	2.	-6.
17 58 58	LOW	.098	LOW	LOW	LOW	LOW	2.875	28.28	79551.	4020.	9808.	2.	-7.
17 59 3	LOW	.073	LOW	LOW	LOW	LOW	2.886	28.24	79028.	3984.	9736.	3.	-7.
17 59 8	LOW	-.782	LOW	LOW	LOW	LOW	2.886	28.33	79551.	3979.	9779.	3.	-6.
17 59 13	LOW	-.244	LOW	LOW	LOW	LOW	2.891	27.93	79177.	3979.	9736.	2.	-8.
17 59 18	LOW	1.369	LOW	LOW	LOW	LOW	2.891	28.33	79320.	3999.	9565.	3.	-7.
17 59 23	LOW	.660	LOW	LOW	LOW	LOW	2.891	28.09	79428.	4004.	9672.	2.	-8.
17 59 28	LOW	0.000	LOW	LOW	LOW	LOW	2.891	27.96	78953.	3999.	9722.	1.	-6.
17 59 33	LOW	.049	LOW	LOW	LOW	LOW	2.888	28.17	78998.	3984.	9693.	2.	-7.
17 59 38	LOW	.244	LOW	LOW	LOW	LOW	2.882	27.74	78478.	3911.	9722.	2.	-4.
18 6 39	LOW	.171	LOW	LOW	LOW	LOW	2.931	27.88	78242.	1998.	4897.	3.	-2.
18 6 44	LOW	.098	LOW	LOW	LOW	LOW	2.987	28.33	77531.	107.	100.	3.	-1.
18 6 49	LOW	.293	LOW	LOW	LOW	LOW	2.988	28.47	77943.	73.	93.	3.	0.
18 6 54	LOW	-.782	LOW	LOW	LOW	LOW	2.971	28.12	78354.	88.	143.	2.	1.
18 6 59	LOW	-.489	LOW	LOW	LOW	LOW	2.972	28.12	78138.	83.	93.	2.	1.
18 7 4	LOW	.293	LOW	LOW	LOW	LOW	2.969	27.98	77756.	19.	0.	4.	2.
18 7 9	LOW	.367	LOW	LOW	LOW	LOW	2.974	27.69	77831.	44.	29.	3.	1.
18 7 14	LOW	-.098	LOW	LOW	LOW	LOW	2.987	27.69	78283.	78.	185.	1.	-2.
18 7 24	LOW	.415	LOW	LOW	LOW	LOW	2.986	27.82	77983.	73.	121.	2.	-1.
18 7 39	LOW	-.098	LOW	LOW	LOW	LOW	2.971	27.98	78429.	29.	100.	2.	2.
18 7 44	LOW	.122	LOW	LOW	LOW	LOW	2.977	28.25	78138.	63.	107.	1.	1.
18 7 44	LOW	.244	LOW	LOW	LOW	LOW	2.965	27.47	78603.	68.	157.	2.	0.
18 7 49	LOW	.122	LOW	LOW	LOW	LOW	2.978	27.63	78654.	73.	157.	2.	0.
18 7 54	LOW	.587	LOW	LOW	LOW	LOW	2.985	28.12	77980.	68.	57.	1.	-1.
18 7 59	LOW	-.098	LOW	LOW	LOW	LOW	2.971	27.80	78289.	68.	107.	1.	0.
18 8 4	LOW	-.391	LOW	LOW	LOW	LOW	2.982	28.28	77631.	97.	100.	3.	-1.
18 8 9	LOW	.098	LOW	LOW	LOW	LOW	2.979	28.15	77986.	73.	71.	3.	0.
18 8 14	LOW	.831	LOW	LOW	LOW	LOW	2.980	28.23	77686.	88.	57.	3.	-0.
18 8 20	LOW	-.122	LOW	LOW	LOW	LOW	2.984	28.28	77756.	92.	50.	2.	0.
18 8 25	LOW	.342	LOW	LOW	LOW	LOW	2.978	27.53	77980.	78.	29.	3.	0.
18 8 30	LOW	.367	LOW	LOW	LOW	LOW	2.985	27.82	78167.	102.	78.	2.	-1.
18 20 38	77.	.587	73.	69.	78.	73.	2.972	27.47	78429.	19.	114.	3.	1.
18 20 43	75.	.147	72.	70.	78.	73.	2.971	27.77	78355.	[illegible]	114.	1.	1.
18 21 9	74.	.342	73.	73.	71.	72.	2.980	28.17	77983.	[illegible]	0.	2.	1.
18 21 14	76.	-.391	76.	76.	74.	75.	2.986	28.39	77663.	63.	43.	14.	6.
18 21 14	81.	-.147	78.	78.	75.	77.	2.976	27.69	78429.	88.	86.	26.	9.
18 21 19	81.	-.196	77.	76.	75.	77.	2.981	27.53	78467.	97.	100.	26.	8.
18 21 24	84.	-1.369	76.	77.	69.	76.	2.988	28.17	78354.	126.	100.	27.	11.
18 21 29	79.	-.709	76.	76.	70.	76.	2.988	28.23	78429.	102.	107.	27.	11.
18 21 34	82.	.049	75.	75.	71.	73.	2.982	28.23	78355.	107.	143.	26.	10.
18 21 39	79.	-.073	75.	74.	70.	73.	2.988	28.04	77943.	97.	114.	26.	10.
18 21 45	74.	-.587	71.	72.	70.	72.	2.982	28.28	78554.	29.	128.	27.	11.
18 21 50	74.	-.391	70.	74.	70.	72.	2.984	28.15	78579.	58.	135.	27.	10.
18 21 55	73.	.196	74.	73.	71.	66.	2.976	28.12	78354.	29.	86.	27.	10.
18 22 8	74.	-.122	74.	73.	70.	68.	2.981	28.15	78354.	10.	128.	27.	10.

TIME H/M/S	PR 30 TEMP SURFACE FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOJT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH G R L/HENG	PR 2 RPM N2 TACH GER L/HENG	GS 5 ATTD PITCH	GS 6 ATTD ROLL
15													
18 22 5	73.	-.489	74.	73.	70.	72.	2.985	27.74	78654.	29.	86.	28.	13.
18 22 10	74.	-.391	75.	74.	70.	73.	2.986	27.72	78616.	54.	128.	27.	11.
18 22 15	77.	-.342	73.	73.	72.	73.	2.982	28.01	78205.	97.	157.	27.	11.
18 22 20	76.	-.538	74.	73.	69.	73.	2.985	28.15	78392.	78.	128.	27.	10.
18 22 25	74.	-.049	74.	73.	69.	53.	2.988	28.33	78429.	66.	128.	28.	11.
18 22 30	74.	-.171	74.	73.	69.	70.	2.980	27.98	78093.	88.	128.	28.	12.
18 22 35	73.	.244	74.	73.	69.	72.	2.987	27.98	78654.	19.	43.	27.	16.
18 22 40	72.	.098	74.	73.	70.	72.	2.981	28.23	78429.	78.	57.	27.	11.
18 22 45	74.	-.196	72.	69.	71.	72.	2.983	27.47	78205.	78.	86.	28.	11.
18 22 50	74.	-.073	73.	71.	71.	73.	2.983	27.74	78429.	54.	86.	27.	10.
18 22 55	76.	-.342	73.	70.	72.	73.	2.972	27.80	78205.	66.	143.	26.	9.
18 23 0	75.	-.171	73.	70.	72.	73.	2.973	28.04	78318.	92.	143.	27.	11.

3 COMMUTATOR

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY151-PY152	EC 114 TEMP EMERLY GENRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H START	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16 19 3	8.05	LOW	-6.	-.093	-.049	-.020	LOW	LOW	LOW	LOW	LOW	+00.	124.
16 59 8	7.78	LOW	-3.	-.088	-.034	-.061	LOW	LOW	LOW	LOW	LOW	400.	124.
16 19 13	7.55	LOW	-3.	-.044	-.039	-.049	LOW	LOW	LOW	LOW	LOW	400.	123.
16 19 31	7.70	LOW	-1.	-.061	-.046	-.034	LOW	LOW	LOW	LOW	LOW	400.	122.
16 19 28	7.65	LOW	-2.	-.078	-.054	-.049	LOW	LOW	LOW	LOW	LOW	400.	123.
16 19 33	7.80	LOW	-2.	-.049	-.051	-.049	LOW	LOW	LOW	LOW	LOW	400.	124.
16 19 33	7.80	LOW	-6.	-.078	-.049	-.078	LOW	LOW	LOW	LOW	LOW	400.	123.
16 19 38	7.65	LOW	-1.	-.066	-.044	-.068	LOW	LOW	LOW	LOW	LOW	400.	123.
16 19 43	7.70	LOW	-8.	-.078	-.024	0.000	LOW	LOW	LOW	LOW	LOW	400.	123.
16 59 48	7.63	LOW	-5.	-.071	-.029	-.020	LOW	LOW	LOW	LOW	LOW	400.	124.
16 19 53	7.40	LOW	1.	-.049	-.054	-.039	LOW	LOW	LOW	LOW	LOW	400.	123.
16 59 58	7.63	LOW	2.	-.044	-.046	-.029	LOW	LOW	LOW	LOW	LOW	400.	123.
16 20 4	7.90	LOW	0.	-.117	-.044	-.049	LOW	LOW	LOW	LOW	LOW	400.	123.
16 20 9	7.60	LOW	1.	-.100	-.051	-.037	LOW	LOW	LOW	LOW	LOW	400.	123.
16 21 26	7.60	LOW	1.	-.244	-.059	-.020	LOW	LOW	LOW	LOW	LOW	400.	124.
16 21 31	7.78	LOW	-0.	-.164	-.044	-.024	LOW	LOW	LOW	LOW	LOW	400.	121.
16 21 36	7.50	LOW	0.	-.073	-.054	-.088	LOW	LOW	LOW	LOW	LOW	400.	120.
16 21 41	7.60	LOW	0.	-.076	-.059	-.064	LOW	LOW	LOW	LOW	LOW	400.	127.
16 21 46	7.60	LOW	0.	-.064	-.054	-.049	LOW	LOW	LOW	LOW	LOW	400.	129.
16 21 51	7.58	LOW	0.	-.112	-.056	-.046	LOW	LOW	LOW	LOW	LOW	400.	127.
16 21 56	7.75	LOW	-1.	-.044	-.029	-.049	LOW	LOW	LOW	LOW	LOW	400.	126.
16 22 1	7.63	LOW	-1.	-.078	-.044	-.046	LOW	LOW	LOW	LOW	LOW	400.	117.
16 22 6	7.78	LOW	-2.	-.183	-.054	-.063	LOW	LOW	LOW	LOW	LOW	400.	119.
16 22 11	7.60	LOW	-1.	.122	-.044	.271	LOW	LOW	LOW	LOW	LOW	400.	112.
16 22 16	7.55	LOW	-3.	.112	-.054	.591	LOW	LOW	LOW	LOW	LOW	400.	113.
16 22 21	7.63	LOW	-1.	.117	-.071	.613	LOW	LOW	LOW	LOW	LOW	400.	106.
16 22 34	6.95	LOW	-4.	.132	-.029	.606	LOW	LOW	LOW	LOW	LOW	400.	107.
16 22 36	7.25	LOW	-4.	.132	-.042	.521	LOW	LOW	LOW	LOW	LOW	+00.	35.
16 22 41	7.50	LOW	0.	.181	-.054	.540	LOW	LOW	LOW	LOW	LOW	400.	101.
16 22 46	7.53	LOW	-1.	.159	-.049	.648	LOW	LOW	LOW	LOW	LOW	400.	108.
16 22 51	7.55	LOW	-4.	.215	-.078	.545	LOW	LOW	LOW	LOW	LOW	400.	106.
16 22 56	7.48	LOW	-4.	.208	-.071	.565	LOW	LOW	LOW	LOW	LOW	393.	106.
16 23 1	7.60	LOW	-0.	.127	-.034	.621	LOW	LOW	LOW	LOW	LOW	397.	104.
16 23 9	7.58	LOW	-1.	.134	-.039	.674	LOW	LOW	LOW	LOW	LOW	400.	98.
16 23 6	7.70	LOW	0.	.122	-.034	.595	LOW	LOW	LOW	LOW	LOW	400.	99.
16 23 11	7.75	LOW	0.	.152	-.051	.709	LOW	LOW	LOW	LOW	LOW	400.	97.
16 23 16	7.40	LOW	-1.	.161	-.044	.718	LOW	LOW	LOW	LOW	LOW	400.	98.
16 23 21	7.43	LOW	-1.	.159	-.056	.589	LOW	LOW	LOW	LOW	LOW	400.	99.
16 23 26	7.45	LOW	-0.	.122	-.054	.521	LOW	LOW	LOW	LOW	LOW	400.	99.
16 23 32	7.60	LOW	-1.	.103	-.051	.504	LOW	LOW	LOW	LOW	LOW	+00.	97.
16 63 37	7.70	LOW	-1.	.103	-.064	.538	LOW	LOW	LOW	LOW	LOW	400.	96.
16 23 42	7.55	LOW	2.	.090	-.056	.445	LOW	LOW	LOW	LOW	LOW	400.	93.
16 23 47	7.80	LOW	-2.	.039	-.029	.274	LOW	LOW	LOW	LOW	LOW	400.	94.
16 23 52	7.78	LOW	-2.	.024	-.034	.296	LOW	LOW	LOW	LOW	LOW	400.	92.
16 23 57	7.65	LOW	-1.	.039	-.039	.286	LOW	LOW	LOW	LOW	LOW	400.	95.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK STA CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY151-PY162	EC 114 TEMP EMERGY GERRTR LOOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR OVHSTR OF ANTI ICE VL
16 16													
16 38 34	7.68	LOW	-0.	.237	.191	.281	LOW	LOW	LOW	LOW	LOW	400.	79.
16 38 39	7.70	LOW	-1.	.420	.308	.313	LOW	LOW	LOW	LOW	LOW	400.	74.
16 38 44	7.73	LOW	-1.	.367	.281	.310	LOW	LOW	LOW	LOW	LOW	400.	74.
16 38 49	7.65	LOW	9.	.303	.283	.269	LOW	LOW	LOW	LOW	LOW	400.	76.
16 38 54	7.76	LOW	18.	.325	.279	.313	LOW	LOW	LOW	LOW	LOW	400.	75.
16 38 59	7.60	LOW	26.	.367	.225	.306	LOW	LOW	LOW	LOW	LOW	400.	73.
16 39 4	7.60	LOW	38.	.327	.235	.310	LOW	LOW	LOW	LOW	LOW	400.	76.
16 39 9	7.65	LOW	60.	.266	.288	.347	LOW	LOW	LOW	LOW	LOW	400.	73.
16 39 14	7.60	LOW	58.	.254	.181	.316	LOW	LOW	LOW	LOW	LOW	400.	71.
16 39 19	7.35	LOW	63.	0.000	-.044	.225	LOW	LOW	LOW	LOW	LOW	400.	76.
16 39 24	7.38	LOW	63.	.064	-.034	.313	LOW	LOW	LOW	LOW	LOW	400.	92.
16 39 29	7.40	LOW	63.	.156	-.020	.332	LOW	LOW	LOW	LOW	LOW	400.	127.
16 39 34	7.48	LOW	62.	.161	-.012	.332	LOW	LOW	LOW	LOW	LOW	400.	132.
16 39 39	7.75	LOW	62.	.196	-.020	.337	LOW	LOW	LOW	LOW	LOW	400.	141.
16 39 44	7.63	LOW	61.	.174	-.032	.337	LOW	LOW	LOW	LOW	LOW	400.	149.
16 39 49	7.90	LOW	64.	.200	-.005	.308	LOW	LOW	LOW	LOW	LOW	400.	161.
16 39 59	7.83	LOW	61.	.215	.002	.345	LOW	LOW	LOW	LOW	LOW	400.	162.
16 40 4	7.65	LOW	63.	.171	0.000	.327	LOW	LOW	LOW	LOW	LOW	400.	168.
16 40 9	7.76	LOW	59.	.196	.007	.347	LOW	LOW	LOW	LOW	LOW	400.	171.
16 40 9	7.30	LOW	65.	.230	.044	.327	LOW	LOW	LOW	LOW	LOW	400.	180.
16 40 14	7.48	LOW	64.	.220	.022	.323	LOW	LOW	LOW	LOW	LOW	400.	181.
16 40 19	7.50	LOW	59.	.235	.024	.306	LOW	LOW	LOW	LOW	LOW	400.	185.
16 40 29	7.65	LOW	60.	.217	.020	.323	LOW	LOW	LOW	LOW	LOW	400.	186.
16 40 34	7.69	LOW	63.	.196	.039	.332	LOW	LOW	LOW	LOW	LOW	400.	191.
16 40 34	7.60	LOW	61.	.193	.049	.325	LOW	LOW	LOW	LOW	LOW	400.	192.
16 46 33	7.75	77.8	60.	.244	.191	.327	78.	103.	725.	108.	91.	399.	301.
16 46 38	7.76	78.1	60.	.271	.213	.330	80.	105.	729.	113.	93.	399.	305.
16 46 43	7.35	75.2	60.	.293	.200	.269	76.	103.	749.	115.	92.	399.	309.
16 46 53	7.40	75.8	60.	.293	.210	.201	81.	110.	748.	120.	95.	399.	311.
16 46 53	7.70	78.4	63.	.327	.249	.332	80.	115.	734.	117.	95.	399.	317.
16 46 58	7.73	79.8	61.	.315	.217	.336	79.	112.	745.	117.	93.	399.	319.
16 47 3	7.65	75.8	61.	.300	.191	.293	80.	109.	763.	123.	93.	399.	327.
16 47 8	7.63	79.5	60.	.310	.166	.305	79.	108.	761.	125.	95.	399.	326.
16 47 13	7.40	77.1	60.	.293	.191	.293	82.	119.	668.	128.	98.	399.	326.
16 47 23	7.48	77.1	63.	.264	.196	.291	81.	118.	561.	122.	95.	399.	325.
16 47 28	7.75	78.5	61.	.253	.186	.327	81.	112.	643.	117.	91.	400.	330.
16 47 28	7.73	76.5	62.	.249	.183	.320	81.	115.	639.	122.	94.	400.	331.
16 47 33	7.70	75.2	67.	.225	.186	.332	82.	114.	613.	128.	101.	399.	330.
16 47 38	7.65	76.1	67.	.227	.196	.332	82.	111.	688.	126.	99.	399.	330.
16 47 43	7.95	75.8	71.	.249	.152	.325	82.	117.	675.	122.	96.	400.	331.
16 47 48	7.65	74.8	74.	.266	.193	.306	79.	115.	670.	123.	97.	400.	331.
16 47 53	7.40	79.7	79.	.283	.205	.313	81.	112.	554.	115.	94.	400.	334.
16 47 58	7.55	76.8	79.	.266	.186	.313	82.	116.	651.	120.	95.	400.	334.
16 48 4	7.66	74.5	80.	.264	.225	.332	82.	111.	641.	128.	97.	400.	343.
16 48 9	7.73	76.1	79.	.286	.270	.342	81.	109.	640.	123.	96.	400.	344.
16 48 14	7.45	75.8	82.	.281	.279	.308	83.	118.	620.	119.	91.	400.	344.
16 48 19	7.40	75.5	84.	.390	.271	.319	83.	114.	626.	127.	96.	400.	344.
16 48 24	7.75	74.5	82.	.327	.215	.259	82.	108.	634.	129.	102.	400.	345.
16 48 29	7.75	75.5	83.	.301	.193	.257	82.	110.	627.	124.	99.	400.	344.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRNP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GENRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
16 48 34	7.40	75.8	82.	.274	.181	.283	83.	105.	524.	124.	97.	400.	339.
16 48 39	7.55	75.8	83.	.296	.215	.301	83.	106.	526.	126.	97.	400.	342.
16 48 44	7.60	77.8	84.	.288	.186	.313	74.	120.	529.	120.	90.	400.	349.
16 48 49	7.63	76.1	83.	.242	.188	.305	76.	117.	523.	120.	87.	400.	351.
16 48 54	7.55	76.5	84.	.215	.210	.279	82.	118.	525.	117.	92.	400.	350.
16 48 59	7.58	77.4	83.	.235	.174	.283	82.	113.	524.	118.	93.	400.	352.
16 49 4	7.70	75.2	87.	.274	.132	.323	85.	115.	521.	128.	95.	400.	357.
16 49 9	7.75	74.8	86.	.403	.205	.411	84.	113.	523.	129.	96.	399.	359.
16 49 14	7.65	77.0	78.	.469	.357	.451	80.	114.	528.	115.	92.	400.	361.
16 49 19	7.66	76.1	83.	.437	.354	.411	83.	116.	526.	119.	91.	400.	359.
16 49 29	7.60	78.4	87.	.459	.313	.293	82.	121.	526.	119.	84.	400.	349.
16 49 29	7.60	77.4	89.	.445	.323	.308	85.	116.	524.	121.	90.	400.	355.
16 49 34	7.60	73.6	87.	.450	.367	.288	81.	112.	524.	125.	95.	400.	361.
16 49 39	7.56	74.2	87.	.367	.472	.335	82.	116.	525.	124.	95.	400.	361.
16 49 52	7.50	76.5	84.	.215	.503	.303	82.	111.	532.	115.	92.	399.	362.
16 49 49	7.43	75.2	85.	.208	.464	.286	83.	114.	526.	120.	93.	399.	362.
16 49 59	8.15	75.2	84.	.215	.387	.235	84.	111.	521.	127.	97.	400.	361.
16 50 4	7.75	75.8	83.	.210	.352	.232	83.	112.	522.	128.	97.	400.	358.
16 50 9	7.50	76.5	86.	.230	.371	.264	81.	108.	524.	116.	90.	400.	364.
16 50 9	7.50	76.5	88.	.364	.387	.286	81.	109.	521.	117.	91.	400.	363.
16 50 14	7.70	77.1	87.	.362	.288	.342	84.	113.	517.	127.	96.	400.	362.
16 50 19	7.60	78.1	86.	.318	.286	.301	82.	115.	520.	124.	94.	400.	362.
16 50 24	7.50	75.0	87.	.244	.244	.274	83.	112.	524.	118.	93.	400.	362.
16 50 29	7.55	77.1	87.	.252	.208	.261	83.	110.	522.	119.	94.	400.	362.
16 50 34	7.60	75.8	86.	.235	.200	.265	84.	116.	521.	125.	93.	399.	362.
16 50 40	7.70	76.8	87.	.222	.190	.290	84.	112.	518.	120.	94.	400.	363.
16 50 45	7.60	77.8	86.	.237	.196	.303	84.	115.	521.	110.	88.	400.	366.
16 50 50	7.63	77.4	86.	.169	.176	.315	84.	118.	521.	115.	90.	400.	364.
16 50 55	7.60	74.5	89.	.191	.166	.293	83.	112.	516.	130.	95.	400.	362.
16 51 0	7.75	76.0	88.	.193	.181	.305	85.	114.	517.	120.	91.	400.	363.
16 51 13	7.65	79.1	89.	.249	.132	.327	85.	120.	521.	126.	94.	400.	362.
16 51 10	7.33	77.0	88.	.384	.203	.457	85.	118.	518.	129.	96.	400.	363.
16 51 15	7.60	78.4	91.	.484	.347	.494	81.	107.	521.	112.	92.	399.	361.
16 51 20	7.65	76.5	92.	.442	.335	.481	83.	111.	524.	119.	93.	400.	366.
16 51 25	7.70	80.4	88.	.367	.357	.325	79.	107.	517.	114.	91.	400.	363.
16 51 30	7.73	*000000.	88.	.408	.347	.315	*000000.	*000000.	*000000.	*000000.	*000000.	400.	361.
16 51 35	7.35	LOW	86.	.342	.347	.249	LOW	LOW	LOW	LOW	LOW	400.	363.
16 51 40	7.58	LOW	82.	.383	.435	.293	LOW	LOW	LOW	LOW	LOW	400.	361.
16 51 45	7.70	LOW	81.	.191	.456	.308	LOW	LOW	LOW	LOW	LOW	400.	366.
16 51 50	7.65	LOW	84.	.210	.433	.296	LOW	LOW	LOW	LOW	LOW	400.	364.
16 51 55	7.40	LOW	85.	.210	.381	.284	LOW	LOW	LOW	LOW	LOW	400.	366.
16 52 0	7.43	LOW	86.	.235	.345	.261	LOW	LOW	LOW	LOW	LOW	400.	362.
16 52 5	7.55	LOW	86.	.249	.263	.230	LOW	LOW	LOW	LOW	LOW	400.	362.
16 52 10	7.75	LOW	88.	.362	.327	.305	LOW	LOW	LOW	LOW	LOW	400.	361.
16 52 15	7.40	LOW	86.	.371	.327	.332	LOW	LOW	LOW	LOW	LOW	400.	361.
16 52 20	7.40	LOW	87.	.327	.279	.298	LOW	LOW	LOW	LOW	LOW	400.	357.
16 52 25	7.80	LOW	91.	.264	.200	.244	LOW	LOW	LOW	LOW	LOW	400.	359.
16 52 35	7.65	LOW	89.	.237	.206	.237	LOW	LOW	LOW	LOW	LOW	400.	358.
16 52 40	7.65	LOW	87.	.313	.186	.293	LOW	LOW	LOW	LOW	LOW	400.	357.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK GTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDFRM OF EW BAY PY181-PY182	EC 114 TEMP ENERGY CERRIR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H START	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
16 52 45	7.56	LOW	91.	.271	.136	.325	LOW	LOW	LOW	LOW	LOW	400.	356.
16 52 45	7.35	LOW	88.	.196	.152	.305	LOW	LOW	LOW	LOW	LOW	400.	358.
16 52 50	7.55	LOW	89.	.203	.171	.315	LOW	LOW	LOW	LOW	LOW	400.	357.
16 52 55	7.96	LOW	86.	.230	.132	.306	LOW	LOW	LOW	LOW	LOW	400.	356.
16 53 0	7.73	LOW	89.	.230	.139	.325	LOW	LOW	LOW	LOW	LOW	400.	356.
16 53 13	7.85	LOW	94.	.254	.137	.357	LOW	LOW	LOW	LOW	LOW	400.	357.
16 53 18	7.66	LOW	93.	.369	.208	.469	LOW	LOW	LOW	LOW	LOW	399.	355.
16 53 16	7.55	LOW	92.	.493	.308	.381	LOW	LOW	LOW	LOW	LOW	400.	351.
16 53 21	7.55	LOW	91.	.462	.313	.391	LOW	LOW	LOW	LOW	LOW	400.	353.
16 53 26	7.60	LOW	93.	.464	.352	.337	LOW	LOW	LOW	LOW	LOW	400.	356.
16 53 31	7.66	LOW	93.	.452	.342	.342	LOW	LOW	LOW	LOW	LOW	400.	351.
16 53 36	7.55	LOW	92.	.425	.327	.325	LOW	LOW	LOW	LOW	LOW	400.	356.
16 53 41	7.75	LOW	89.	.352	.426	.325	LOW	LOW	LOW	LOW	LOW	400.	353.
16 53 46	7.75	LOW	87.	.285	.450	.266	LOW	LOW	LOW	LOW	LOW	400.	349.
16 53 51	7.65	LOW	87.	.285	.408	.281	LOW	LOW	LOW	LOW	LOW	400.	352.
16 53 56	7.70	LOW	91.	.235	.357	.288	LOW	LOW	LOW	LOW	LOW	400.	351.
16 54 1	7.56	LOW	90.	.232	.347	.264	LOW	LOW	LOW	LOW	LOW	400.	351.
16 54 6	7.55	LOW	88.	.259	.352	.259	LOW	LOW	LOW	LOW	LOW	400.	351.
16 54 11	7.66	LOW	91.	.347	.326	.254	LOW	LOW	LOW	LOW	LOW	400.	352.
16 54 16	7.55	LOW	92.	.381	.313	.362	LOW	LOW	LOW	LOW	LOW	400.	344.
16 54 21	7.73	LOW	91.	.357	.213	.450	LOW	LOW	LOW	LOW	LOW	400.	349.
16 54 26	7.40	LOW	93.	.323	.815	.508	LOW	LOW	LOW	LOW	LOW	400.	349.
16 54 31	7.48	LOW	92.	.178	-.006	.433	LOW	LOW	LOW	LOW	LOW	400.	349.
16 54 36	7.65	LOW	88.	.332	.332	.176	LOW	LOW	LOW	LOW	LOW	399.	350.
16 54 41	7.65	LOW	87.	.271	.291	.198	LOW	LOW	LOW	LOW	LOW	400.	352.
16 54 46	7.65	LOW	90.	.205	.239	.265	LOW	LOW	LOW	LOW	LOW	399.	351.
16 54 51	7.73	LOW	90.	.174	.156	.252	LOW	LOW	LOW	LOW	LOW	399.	348.
16 54 56	7.45	LOW	86.	.093	.015	.306	LOW	LOW	LOW	LOW	LOW	400.	351.
16 55 1	7.50	LOW	85.	.115	.012	.349	LOW	LOW	LOW	LOW	LOW	400.	349.
16 55 6	7.55	LOW	86.	.147	-.039	.391	LOW	LOW	LOW	LOW	LOW	400.	342.
16 55 9	7.60	LOW	87.	.183	-.022	.304	LOW	LOW	LOW	LOW	LOW	400.	338.
16 56 19	7.40	LOW	86.	.208	0.000	.435	LOW	LOW	LOW	LOW	LOW	400.	336.
16 56 24	7.55	LOW	86.	.203	.007	.408	LOW	LOW	LOW	LOW	LOW	400.	337.
16 56 29	7.60	LOW	85.	.200	0.000	.426	LOW	LOW	LOW	LOW	LOW	400.	335.
16 56 29	7.55	LOW	87.	.213	.007	.406	LOW	LOW	LOW	LOW	LOW	400.	336.
16 56 34	7.70	LOW	87.	.244	.015	.401	LOW	LOW	LOW	LOW	LOW	400.	337.
16 56 39	7.78	LOW	87.	.239	.015	.391	LOW	LOW	LOW	LOW	LOW	400.	337.
16 56 49	7.70	LOW	86.	.200	.024	.371	LOW	LOW	LOW	LOW	LOW	400.	332.
16 56 54	7.55	LOW	86.	.181	.012	.309	LOW	LOW	LOW	LOW	LOW	400.	331.
16 56 59	7.55	LOW	86.	.235	-.005	.401	LOW	LOW	LOW	LOW	LOW	400.	330.
16 56 59	7.50	LOW	85.	.222	-.005	.384	LOW	LOW	LOW	LOW	LOW	400.	331.
16 57 4	7.45	LOW	87.	.226	.016	.381	LOW	LOW	LOW	LOW	LOW	400.	326.
16 57 9	7.48	LOW	86.	.196	-.002	.374	LOW	LOW	LOW	LOW	LOW	400.	326.
16 57 14	7.65	LOW	90.	.225	-.010	.400	LOW	LOW	LOW	LOW	LOW	400.	322.
16 57 19	7.60	LOW	90.	.217	-.024	.389	LOW	LOW	LOW	LOW	LOW	400.	322.
16 57 24	7.55	LOW	88.	.186	.010	.391	LOW	LOW	LOW	LOW	LOW	400.	321.
16 57 30	7.40	LOW	89.	.208	.007	.389	LOW	LOW	LOW	LOW	LOW	400.	319.
16 57 35	7.35	LOW	89.	.171	.024	.367	LOW	LOW	LOW	LOW	LOW	400.	320.
16 57 40	7.45	LOW	87.	.178	.005	.369	LOW	LOW	LOW	LOW	LOW	400.	317.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SOPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY151-PY152	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16 57 45	7.55	LOW	66.	.200	0.000	.391	LOW	LOW	LOW	LOW	LOW	400.	299.
16 57 50	7.65	LOW	87.	.176	-.002	.379	LOW	LOW	LOW	LOW	LOW	400.	304.
16 57 55	7.75	LOW	91.	.210	-.024	.347	LOW	LOW	LOW	LOW	LOW	400.	314.
16 58 0	7.80	LOW	89.	.208	-.005	.369	LOW	LOW	LOW	LOW	LOW	400.	312.
16 58 5	7.35	LOW	88.	.176	0.000	.367	LOW	LOW	LOW	LOW	LOW	399.	307.
16 58 10	7.43	LOW	87.	.174	0.000	.359	LOW	LOW	LOW	LOW	LOW	400.	306.
16 58 15	7.60	LOW	87.	.216	0.000	.381	LOW	LOW	LOW	LOW	LOW	400.	305.
16 58 20	7.63	LOW	89.	.208	-.012	.384	LOW	LOW	LOW	LOW	LOW	400.	306.
16 58 25	7.90	LOW	91.	.205	.029	.411	LOW	LOW	LOW	LOW	LOW	400.	307.
16 58 30	7.75	LOW	89.	.205	.022	.359	LOW	LOW	LOW	LOW	LOW	400.	305.
16 58 35	7.90	LOW	87.	.225	.020	.406	LOW	LOW	LOW	LOW	LOW	400.	305.
16 58 40	7.98	LOW	88.	.196	.022	.393	LOW	LOW	LOW	LOW	LOW	400.	305.
16 58 45	7.80	LOW	91.	.200	.015	.381	LOW	LOW	LOW	LOW	LOW	400.	301.
16 58 55	7.65	LOW	87.	.203	.012	.384	LOW	LOW	LOW	LOW	LOW	400.	301.
16 59 0	7.90	LOW	90.	.245	-.015	.396	LOW	LOW	LOW	LOW	LOW	400.	301.
16 59 0	7.78	LOW	88.	.232	-.002	.386	LOW	LOW	LOW	LOW	LOW	400.	299.
16 59 5	7.75	LOW	86.	.181	.005	.347	LOW	LOW	LOW	LOW	LOW	400.	299.
16 59 10	7.58	LOW	88.	.186	-.002	.357	LOW	LOW	LOW	LOW	LOW	400.	289.
16 59 15	7.65	LOW	93.	.220	.010	.371	LOW	LOW	LOW	LOW	LOW	400.	296.
16 59 25	7.73	LOW	90.	.213	.015	.352	LOW	LOW	LOW	LOW	LOW	400.	297.
16 59 30	7.65	LOW	89.	.191	.039	.357	LOW	LOW	LOW	LOW	LOW	400.	293.
16 59 35	7.60	LOW	88.	.181	.020	.345	LOW	LOW	LOW	LOW	LOW	400.	293.
16 59 35	7.75	LOW	86.	.191	.005	.381	LOW	LOW	LOW	LOW	LOW	400.	295.
16 59 40	7.78	LOW	86.	.193	-.002	.354	LOW	LOW	LOW	LOW	LOW	400.	295.
16 59 45	7.45	LOW	90.	.191	.015	.362	LOW	LOW	LOW	LOW	LOW	400.	296.
16 59 50	7.40	LOW	89.	.208	-.002	.354	LOW	LOW	LOW	LOW	LOW	400.	289.
16 59 55	7.55	LOW	87.	.200	.029	.401	LOW	LOW	LOW	LOW	LOW	400.	286.
17 0 0	7.63	LOW	86.	.198	.007	.376	LOW	LOW	LOW	LOW	LOW	400.	289.
17 45 23	11.05	LOW	76.	.254	.078	.347	LOW	LOW	LOW	LOW	LOW	400.	203.
17 45 28	10.93	LOW	82.	.269	.081	.347	LOW	LOW	LOW	LOW	LOW	400.	207.
17 45 33	10.50	LOW	89.	.191	.078	.295	LOW	LOW	LOW	LOW	LOW	400.	211.
17 45 39	10.57	LOW	89.	.213	.059	.298	LOW	LOW	LOW	LOW	LOW	400.	212.
17 45 44	9.80	LOW	87.	.205	.044	.230	LOW	LOW	LOW	LOW	LOW	400.	210.
17 45 49	9.75	LOW	87.	.215	.049	.176	LOW	LOW	LOW	LOW	LOW	400.	210.
17 45 54	9.60	LOW	86.	.191	.034	.263	LOW	LOW	LOW	LOW	LOW	400.	211.
17 45 59	9.68	LOW	86.	.205	.056	.286	LOW	LOW	LOW	LOW	LOW	400.	213.
17 46 4	9.90	LOW	87.	.225	.073	.327	LOW	LOW	LOW	LOW	LOW	400.	208.
17 46 9	9.53	LOW	87.	.235	.071	.325	LOW	LOW	LOW	LOW	LOW	400.	210.
17 46 14	7.55	LOW	86.	.279	.073	.306	LOW	LOW	LOW	LOW	LOW	400.	207.
17 46 19	7.55	LOW	85.	.222	.076	.308	LOW	LOW	LOW	LOW	LOW	400.	206.
17 46 32	7.95	LOW	86.	.210	-.005	.303	LOW	LOW	LOW	LOW	LOW	400.	210.
17 46 29	7.65	LOW	86.	.220	.037	.306	LOW	LOW	LOW	LOW	LOW	400.	210.
17 46 34	8.00	LOW	84.	.264	.054	.308	LOW	LOW	LOW	LOW	LOW	400.	207.
17 46 39	7.86	LOW	84.	.257	.056	.301	LOW	LOW	LOW	LOW	LOW	400.	209.
17 47 37	7.55	LOW	78.	.208	.073	.303	LOW	LOW	LOW	LOW	LOW	400.	212.
17 47 42	7.40	LOW	81.	.208	.054	.308	LOW	LOW	LOW	LOW	LOW	400.	210.
17 47 47	6.75	LOW	90.	.235	.058	.316	LOW	LOW	LOW	LOW	LOW	400.	206.
17 47 52	7.50	LOW	88.	.213	.056	.293	LOW	LOW	LOW	LOW	LOW	400.	211.
17 47 57	7.35	LOW	90.	.208	.076	.316	LOW	LOW	LOW	LOW	LOW	400.	211.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK STA CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLUMPR FWDTRM OF EQ BAY PY161-PY162	EC 114 TEMP EMERGY GERRIR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H START	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
17 58 33	7.63	LOW	88.	.227	.076	.327	LOW	LOW	LOW	LOW	LOW	400.	210.
17 58 38	7.75	LOW	86.	.283	.039	.352	LOW	LOW	LOW	LOW	LOW	400.	212.
17 58 43	7.56	LOW	87.	.242	.046	.326	LOW	LOW	LOW	LOW	LOW	400.	210.
17 58 48	7.60	LOW	87.	.196	.029	.327	LOW	LOW	LOW	LOW	LOW	400.	209.
17 58 53	7.60	LOW	89.	.164	.015	.330	LOW	LOW	LOW	LOW	LOW	400.	208.
17 58 58	7.65	LOW	90.	.132	0.000	.313	LOW	LOW	LOW	LOW	LOW	400.	211.
17 59 3	7.58	LOW	88.	.139	.005	.329	LOW	LOW	LOW	LOW	LOW	400.	210.
17 59 8	7.60	LOW	90.	.103	-.020	.306	LOW	LOW	LOW	LOW	LOW	400.	209.
17 59 13	7.68	LOW	89.	.108	-.010	.325	LOW	LOW	LOW	LOW	LOW	400.	208.
17 59 18	7.40	LOW	84.	.122	.020	.357	LOW	LOW	LOW	LOW	LOW	400.	207.
17 59 23	7.60	LOW	86.	.117	-.010	.329	LOW	LOW	LOW	LOW	LOW	400.	210.
17 59 28	7.50	LOW	87.	.171	-.010	.352	LOW	LOW	LOW	LOW	LOW	400.	208.
17 59 33	7.66	LOW	85.	.178	.029	.345	LOW	LOW	LOW	LOW	LOW	400.	208.
17 59 38	7.40	LOW	89.	.191	.034	.347	LOW	LOW	LOW	LOW	LOW	400.	208.
18 6 39	7.65	LOW	44.	.073	-.005	.132	LOW	LOW	LOW	LOW	LOW	400.	170.
18 6 44	7.60	LOW	1.	-.088	-.054	-.048	LOW	LOW	LOW	LOW	LOW	400.	136.
18 6 49	7.62	LOW	-2.	-.060	-.054	-.024	LOW	LOW	LOW	LOW	LOW	400.	143.
18 6 54	7.70	LOW	-3.	-.137	-.024	-.044	LOW	LOW	LOW	LOW	LOW	400.	146.
18 6 59	7.65	LOW	-2.	-.098	-.044	-.022	LOW	LOW	LOW	LOW	LOW	400.	149.
18 7 4	7.75	LOW	-2.	-.049	-.029	-.010	LOW	LOW	LOW	LOW	LOW	400.	153.
18 7 9	7.73	LOW	0.	-.054	-.049	-.034	LOW	LOW	LOW	LOW	LOW	400.	152.
18 7 14	7.75	LOW	0.	-.103	-.068	-.039	LOW	LOW	LOW	LOW	LOW	400.	152.
18 7 24	7.75	LOW	1.	-.081	-.073	-.032	LOW	LOW	LOW	LOW	LOW	400.	144.
18 7 39	7.50	LOW	-6.	-.103	-.024	-.010	LOW	LOW	LOW	LOW	LOW	400.	149.
18 7 44	7.53	LOW	-3.	-.081	-.044	-.022	LOW	LOW	LOW	LOW	LOW	400.	152.
18 7 44	7.50	LOW	-3.	-.088	-.044	-.039	LOW	LOW	LOW	LOW	LOW	400.	156.
18 7 49	7.58	LOW	-2.	-.098	-.044	-.046	LOW	LOW	LOW	LOW	LOW	400.	157.
18 7 54	7.55	LOW	4.	-.049	-.068	-.010	LOW	LOW	LOW	LOW	LOW	400.	156.
18 7 59	7.43	LOW	0.	-.068	-.049	-.044	LOW	LOW	LOW	LOW	LOW	400.	156.
18 8 4	7.50	LOW	0.	-.093	-.054	-.039	LOW	LOW	LOW	LOW	LOW	400.	151.
18 8 9	7.65	LOW	-1.	-.068	-.042	-.022	LOW	LOW	LOW	LOW	LOW	400.	151.
18 8 14	7.75	LOW	-2.	-.049	-.049	0.000	LOW	LOW	LOW	LOW	LOW	400.	158.
18 8 20	7.75	LOW	-1.	-.068	-.056	-.032	LOW	LOW	LOW	LOW	LOW	400.	155.
18 8 25	7.90	LOW	-1.	-.064	-.054	-.034	LOW	LOW	LOW	LOW	LOW	400.	156.
18 8 30	7.82	LOW	-0.	-.071	-.066	-.040	LOW	LOW	LOW	LOW	LOW	400.	157.
18 20 38	7.76	88.9	-2.	-.076	-.024	-.034	89.	131.	203.	90.	89.	400.	137.
18 20 43	7.60	88.9	-3.	-.066	-.032	-.042	90.	131.	203.	91.	89.	400.	139.
18 21 9	7.66	88.9	-1.	-.044	-.083	-.044	91.	128.	203.	92.	89.	400.	138.
18 21 14	7.65	93.1	-5.	-.152	-.098	-.071	93.	134.	203.	94.	92.	400.	137.
18 21 14	8.15	95.4	-7.	-.200	-.038	-.156	97.	136.	203.	95.	90.	400.	139.
18 21 19	7.95	95.1	-7.	-.188	-.100	-.139	96.	136.	202.	94.	92.	400.	140.
18 21 24	7.65	92.2	-3.	-.186	-.083	-.073	95.	135.	199.	93.	92.	400.	137.
18 21 29	7.66	91.8	-6.	-.178	-.086	-.147	95.	136.	199.	92.	92.	400.	137.
18 21 34	7.70	90.2	-6.	-.103	-.054	-.029	92.	134.	196.	90.	90.	400.	131.
18 21 39	7.60	89.5	-3.	-.103	-.066	-.020	92.	134.	197.	89.	89.	400.	134.
18 21 45	7.55	88.2	-4.	-.122	-.068	-.059	90.	134.	196.	88.	88.	400.	136.
18 21 50	7.60	88.2	-4.	-.103	-.056	-.044	91.	133.	193.	88.	87.	400.	136.
18 21 55	6.95	84.3	-1.	-.108	-.039	-.039	90.	132.	190.	92.	88.	400.	136.
18 22 0	7.26	85.3	-3.	-.120	-.056	-.046	96.	132.	191.	83.	87.	400.	136.

TIME H/M/S	US 7 ANGLE OF ATTACK (TRUE)	AF 0 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/MENG	EC 31 JPSTRM JF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDIRM OF EQ BAY PY181-PY132	EC 114 TEMP EMERGY GERKIR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/MENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET CCOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/MENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
18 22 5	7.55	86.3	-1.	-.078	-.054	-.025	89.	132.	193.	86.	86.	400.	134.
18 22 10	7.55	85.9	-1.	-.076	-.071	-.044	90.	133.	187.	86.	85.	400.	132.
18 22 15	7.45	92.6	-6.	-.093	-.059	-.054	89.	132.	193.	86.	86.	400.	130.
18 22 20	7.50	89.2	-5.	-.076	-.049	-.037	89.	132.	192.	86.	86.	400.	130.
18 22 25	6.95	86.3	0.	-.073	-.049	-.025	84.	134.	181.	86.	86.	400.	130.
18 22 30	7.43	86.9	-3.	-.086	-.046	-.029	86.	133.	187.	86.	85.	400.	132.
18 22 35	7.60	85.6	-2.	-.103	-.039	-.044	90.	133.	194.	86.	86.	400.	133.
18 22 40	7.75	86.3	-2.	-.076	-.046	-.061	87.	132.	193.	86.	85.	400.	135.
18 22 45	7.50	86.9	0.	-.083	-.059	-.059	91.	131.	194.	86.	87.	400.	136.
18 22 50	7.43	87.2	-2.	-.054	-.076	-.035	91.	130.	193.	86.	87.	400.	136.
18 22 55	7.55	86.9	-2.	-.034	-.064	-.005	90.	130.	190.	87.	86.	400.	131.
18 23 0	7.50	86.6	-1.	-.059	-.049	-.044	90.	131.	189.	87.	87.	400.	131.

2 COMMUTATOR

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
16 19 3	LOW	LOW	LOW	LOW
16 59 8	*3016000.	*3000000.	LOW	LOW
16 13 13	848.	848.	LOW	LOW
16 19 31	848.	848.	LOW	LOW
16 19 28	848.	848.	LOW	LOW
16 13 33	848.	848.	LOW	LOW
16 19 33	848.	848.	LOW	LOW
16 19 38	848.	848.	LOW	LOW
16 19 43	848.	848.	LOW	LOW
16 59 48	848.	848.	LOW	LOW
16 19 53	848.	848.	LOW	LOW
16 59 58	848.	848.	LOW	LOW
16 28 4	848.	848.	LOW	LOW
16 21 9	848.	848.	LOW	LOW
16 21 26	848.	848.	LOW	LOW
16 21 31	848.	848.	LOW	LOW
16 21 36	848.	848.	LOW	LOW
16 21 41	848.	848.	LOW	LOW
16 21 46	848.	848.	LOW	LOW
16 21 51	848.	848.	LOW	LOW
16 21 56	848.	848.	LOW	LOW
16 22 1	848.	848.	LOW	LOW
16 22 6	848.	848.	LOW	LOW
16 22 11	848.	848.	LOW	LOW
16 22 16	848.	848.	LOW	LOW
16 22 21	848.	848.	LOW	LOW
16 22 34	848.	848.	LOW	LOW
16 22 36	848.	848.	LOW	LOW
16 22 41	848.	848.	LOW	LOW
16 22 46	848.	848.	LOW	LOW
16 22 51	848.	848.	LOW	LOW
16 22 56	848.	848.	LOW	LOW
16 23 1	848.	848.	LOW	LOW
16 23 9	848.	848.	LOW	LOW
16 23 6	848.	848.	LOW	LOW
16 23 11	848.	848.	LOW	LOW
16 23 16	848.	848.	LOW	LOW
16 23 21	848.	848.	LOW	LOW
16 23 26	848.	848.	LOW	LOW
16 23 32	848.	848.	LOW	LOW
16 63 37	848.	848.	LOW	LOW
16 23 42	848.	848.	LOW	LOW
16 23 47	848.	848.	LOW	LOW
16 23 52	848.	848.	LOW	LOW
16 23 57	848.	848.	LOW	LOW

TIME H/M/S	AF 39 BLLK HEAD FS470 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
16 38 34	848.	848.	LOW	LOW
16 38 39	848.	848.	LOW	LOW
16 38 44	848.	848.	LOW	LOW
16 38 49	848.	848.	LOW	LOW
16 38 54	848.	848.	LOW	LOW
16 38 59	848.	848.	LOW	LOW
16 39 4	848.	848.	LOW	LOW
16 39 9	848.	848.	LOW	LOW
16 39 14	848.	848.	LOW	LOW
16 39 19	848.	848.	LOW	LOW
16 39 24	848.	848.	LOW	LOW
16 39 29	848.	848.	LOW	LOW
16 39 34	848.	848.	LOW	LOW
16 39 39	848.	848.	LOW	LOW
16 39 44	848.	848.	LOW	LOW
16 39 49	848.	848.	LOW	LOW
16 39 59	848.	848.	LOW	LOW
16 40 4	848.	848.	LOW	LOW
16 40 9	848.	848.	LOW	LOW
16 40 9	848.	848.	LOW	LOW
16 40 14	848.	848.	LOW	LOW
16 40 19	848.	848.	LOW	LOW
16 40 29	848.	848.	LOW	LOW
16 40 34	848.	848.	LOW	LOW
16 40 34	848.	848.	LOW	LOW
16 46 33	848.	848.	71.	86.
16 46 38	848.	848.	71.	56.
16 46 43	848.	848.	74.	87.
16 46 53	848.	848.	73.	86.
16 46 53	848.	848.	71.	85.
16 46 58	848.	848.	74.	87.
16 47 3	848.	848.	69.	91.
16 47 8	848.	848.	71.	90.
16 47 13	848.	848.	71.	88.
16 47 23	848.	848.	71.	88.
16 47 28	848.	848.	69.	90.
16 47 28	848.	848.	70.	90.
16 47 33	848.	848.	73.	90.
16 47 38	848.	848.	71.	93.
16 47 43	848.	848.	71.	90.
16 47 48	848.	848.	71.	91.
16 47 53	848.	848.	69.	90.
16 47 58	848.	848.	70.	90.
16 48 4	848.	848.	70.	91.
16 48 9	848.	848.	70.	92.
16 48 14	848.	848.	70.	90.
16 48 19	848.	848.	71.	89.
16 48 24	848.	848.	71.	94.
16 48 29	848.	848.	70.	92.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
16 48 34	848.	848.	70.	92.
16 48 39	846.	848.	70.	91.
16 48 44	84E.	848.	70.	84.
16 48 49	848.	848.	70.	86.
16 48 54	846.	848.	71.	85.
16 48 59	84E.	848.	71.	87.
16 49 4	846.	848.	71.	87.
16 49 9	84E.	848.	72.	80.
16 49 14	846.	848.	70.	87.
16 49 19	84C.	848.	70.	80.
16 49 29	848.	848.	71.	83.
16 49 29	848.	848.	71.	85.
16 49 34	84C.	84C.	69.	87.
16 49 39	84E.	848.	70.	85.
16 49 52	846.	848.	69.	86.
16 49 49	846.	848.	70.	88.
16 49 59	84E.	848.	71.	86.
16 50 4	84C.	848.	72.	86.
16 50 9	846.	848.	69.	90.
16 50 9	84E.	848.	69.	88.
16 50 14	84E.	848.	73.	85.
16 50 19	84C.	848.	71.	86.
16 50 24	84E.	84C.	69.	84.
16 50 29	846.	848.	70.	86.
16 50 34	848.	848.	71.	86.
16 50 40	846.	848.	71.	85.
16 50 45	84C.	848.	70.	85.
16 50 50	84E.	848.	71.	83.
16 50 55	846.	848.	69.	86.
16 51 0	848.	84D.	70.	84.
16 51 13	846.	848.	74.	82.
16 51 10	84E.	848.	72.	83.
16 51 15	84E.	848.	71.	87.
16 51 20	848.	848.	71.	86.
16 51 25	84E.	84C.	70.	90.
16 51 30	84E.	848.	*000000.	*000000.
16 51 35	846.	848.	LOW	LOW
16 51 40	84E.	848.	LOW	LOW
16 51 45	846.	848.	LOW	LOW
16 51 50	84E.	84D.	LOW	LOW
16 51 55	84C.	848.	LOW	LOW
16 52 0	846.	848.	LOW	LOW
16 52 5	846.	848.	LOW	LOW
16 52 10	84C.	846.	LOW	LOW
16 52 15	84C.	848.	LOW	LOW
16 52 20	846.	848.	LOW	LOW
16 52 25	848.	848.	LOW	LOW
16 52 35	84C.	848.	LOW	LOW
16 52 40	846.	848.	LOW	LOW

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
16 52 45	848.	848.	LOW	LOW
16 52 45	848.	848.	LOW	LOW
16 52 50	848.	848.	LOW	LOW
16 52 55	848.	848.	LOW	LOW
16 53 0	848.	848.	LOW	LOW
16 53 13	848.	848.	LOW	LOW
16 53 10	848.	848.	LOW	LOW
16 53 16	848.	848.	LOW	LOW
16 53 21	848.	848.	LOW	LOW
16 53 26	848.	848.	LOW	LOW
16 53 31	848.	848.	LOW	LOW
16 53 36	848.	848.	LOW	LOW
16 53 41	848.	848.	LOW	LOW
16 53 46	848.	848.	LOW	LOW
16 53 51	848.	848.	LOW	LOW
16 53 56	848.	848.	LOW	LOW
16 54 1	848.	848.	LOW	LOW
16 54 6	848.	848.	LOW	LOW
16 54 11	848.	848.	LOW	LOW
16 54 16	848.	848.	LOW	LOW
16 54 21	848.	848.	LOW	LOW
16 54 26	848.	848.	LOW	LOW
16 54 31	848.	848.	LOW	LOW
16 54 36	848.	848.	LOW	LOW
16 54 41	848.	848.	LOW	LOW
16 54 46	848.	848.	LOW	LOW
16 54 51	848.	848.	LOW	LOW
16 54 56	848.	848.	LOW	LOW
16 55 1	848.	848.	LOW	LOW
16 55 6	848.	848.	LOW	LOW
16 55 9	848.	848.	LOW	LOW
16 56 19	848.	848.	LOW	LOW
16 55 24	848.	848.	LOW	LOW
16 56 29	848.	848.	LOW	LOW
16 55 29	848.	848.	LOW	LOW
16 55 34	848.	848.	LOW	LOW
16 55 39	848.	848.	LOW	LOW
16 55 49	848.	848.	LOW	LOW
16 56 54	848.	848.	LOW	LOW
16 56 59	848.	848.	LOW	LOW
16 56 59	848.	848.	LOW	LOW
16 57 4	848.	848.	LOW	LOW
16 57 9	848.	848.	LOW	LOW
16 57 14	848.	848.	LOW	LOW
16 57 19	848.	848.	LOW	LOW
16 57 24	848.	848.	LOW	LOW
16 57 30	848.	848.	LOW	LOW
16 57 35	848.	848.	LOW	LOW
16 57 40	848.	848.	LOW	LOW

TIME H/M/S	AF 39 BLLK HEAD FS=7t OEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 OEGF
17				
16 57 45	848.	848.	LOW	LOW
16 57 50	848.	848.	LOW	LOW
16 57 55	848.	848.	LOW	LOW
16 58 0	848.	848.	LOW	LOW
16 58 5	848.	848.	LOW	LOW
16 58 10	848.	848.	LOW	LOW
16 58 15	848.	848.	LOW	LOW
16 58 20	848.	848.	LOW	LOW
16 58 25	848.	848.	LOW	LOW
16 58 30	848.	848.	LOW	LOW
16 58 35	848.	848.	LOW	LOW
16 58 40	848.	848.	LOW	LOW
16 58 45	848.	848.	LOW	LOW
16 58 55	848.	848.	LOW	LOW
16 59 0	848.	848.	LOW	LOW
16 59 0	848.	848.	LOW	LOW
16 59 5	848.	848.	LOW	LOW
16 59 10	848.	848.	LOW	LOW
16 59 15	848.	848.	LOW	LOW
16 59 25	848.	848.	LOW	LOW
16 59 30	848.	848.	LOW	LOW
16 59 35	848.	848.	LOW	LOW
16 59 35	848.	848.	LOW	LOW
16 59 40	848.	848.	LOW	LOW
16 59 45	848.	848.	LOW	LOW
16 59 50	848.	848.	LOW	LOW
16 59 55	848.	848.	LOW	LOW
17 0 0	848.	848.	LOW	LOW
17 45 23	848.	848.	LOW	LOW
17 45 28	848.	848.	LOW	LOW
17 45 33	848.	848.	LOW	LOW
17 45 39	848.	848.	LOW	LOW
17 45 44	848.	848.	LOW	LOW
17 45 49	848.	848.	LOW	LOW
17 45 54	848.	848.	LOW	LOW
17 45 59	848.	848.	LOW	LOW
17 46 4	848.	848.	LOW	LOW
17 46 9	848.	848.	LOW	LOW
17 46 14	848.	848.	LOW	LOW
17 46 19	848.	848.	LOW	LOW
17 46 32	848.	848.	LOW	LOW
17 46 29	848.	848.	LOW	LOW
17 46 34	848.	848.	LOW	LOW
17 46 39	848.	848.	LOW	LOW
17 47 37	848.	848.	LOW	LOW
17 47 42	848.	848.	LOW	LOW
17 47 47	848.	848.	LOW	LOW
17 47 52	848.	848.	LOW	LOW
17 47 57	848.	848.	LOW	LOW

TIME H/M/S	AF 39 BULK HEAD FS470 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
17 53 33	846.	848.	LOW	LOW
17 53 38	846.	848.	LOW	LOW
17 53 43	846.	848.	LOW	LOW
17 53 48	846.	848.	LOW	LOW
17 53 53	846.	848.	LOW	LOW
17 53 58	846.	848.	LOW	LOW
17 54 3	848.	848.	LOW	LOW
17 59 8	846.	848.	LOW	LOW
17 59 13	846.	848.	LOW	LOW
17 59 18	848.	848.	LOW	LOW
17 59 23	848.	848.	LOW	LOW
17 59 28	846.	848.	LOW	LOW
17 59 33	846.	848.	LOW	LOW
17 59 38	848.	848.	LOW	LOW
18 5 39	846.	848.	LOW	LOW
18 5 44	846.	848.	LOW	LOW
18 5 49	846.	848.	LOW	LOW
18 5 54	848.	848.	LOW	LOW
18 5 59	846.	848.	LOW	LOW
18 7 4	848.	848.	LOW	LOW
18 7 9	846.	848.	LOW	LOW
18 7 14	848.	848.	LOW	LOW
18 7 24	846.	848.	LOW	LOW
18 7 39	846.	848.	LOW	LOW
18 7 44	846.	848.	LOW	LOW
18 7 44	848.	848.	LOW	LOW
18 7 49	846.	848.	LOW	LOW
18 7 54	848.	848.	LOW	LOW
18 7 59	846.	848.	LOW	LOW
18 8 4	846.	848.	LOW	LOW
18 8 9	848.	848.	LOW	LOW
18 8 14	846.	848.	LOW	LOW
18 8 20	846.	848.	LOW	LOW
18 8 25	848.	848.	LOW	LOW
18 8 30	848.	848.	LOW	LOW
18 20 38	846.	848.	70.	112.
18 20 43	846.	848.	71.	112.
18 21 9	848.	848.	71.	112.
18 21 14	846.	848.	75.	117.
18 21 14	846.	848.	76.	122.
18 21 19	848.	848.	78.	123.
18 21 24	845.	848.	76.	121.
18 21 29	846.	848.	76.	119.
18 21 34	848.	848.	74.	117.
18 21 39	848.	848.	74.	117.
18 21 45	848.	848.	73.	114.
18 21 50	846.	848.	66.	115.
18 21 55	848.	848.	70.	116.
18 22 0	846.	848.	71.	116.

TIME H/M/S	AF 39 BULK HEAD FS478 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME F377C DEGF
17				
16 22 5	846.	848.	69.	115.
16 22 10	848.	848.	70.	116.
16 22 15	848.	848.	71.	116.
16 22 20	848.	848.	70.	116.
16 22 25	848.	848.	72.	117.
16 22 30	848.	848.	72.	119.
16 22 35	848.	848.	68.	117.
16 22 40	848.	848.	67.	117.
16 22 45	848.	848.	71.	118.
16 22 50	848.	848.	71.	117.
16 22 55	848.	848.	71.	116.
16 23 0	848.	848.	71.	117.

RUN 85-2 (85 DEGREES F), 18 MARCH 1972

Synopsis

This was the second test at 85 degrees F at maximum (near 100-percent) humidity. The test, simulating tropical ground operation, was performed after an overnight temperature soak and rainfall averaging 4 inches per hour for a total of 148.0 inches. The run was made without the rain and all went well until the military power check, when an ENG OIL HOT light illuminated. It was later found that the cooling ejector valves were not opening due to a wiring change (to enable aircraft operation in the hangar). The hot condition was experienced during high engine rpm periods. The wiring was connected and this eliminated the problem.

Inoperative Parameters

AF-5**
AF-8
AF-39
AF-40
EC-02
EC-28
EC-34 (change sign)
EC-39
EC-53
EC-56
PR-06
PR-27A
PR-29*
EC-62
EC-65
EC-68
EC-87
EC-91
EC-92
EC-99
EC-100
EC-101
EC-102

Data Events (hr/min/sec)

Data On	Data Off	Event
130101	130229	Prestart soak data.
130411	131054	LH engine start from crossbleed.
131143	131459	ECS check at 85-percent rpm (part 1).
131512	131926	ECS check (part 2).
132224	132646	Flap, slat, wingsweep check.
134908	135129	CADC.
140313	140624	Run to military power and ENG OIL HOT light.
141429	141552	Stabilized idle power; hot light goes out.
141719	141819	Gear retraction.
143207	143314	Postflight checks.

*Intermittent.

**Functions, but is not linear.

Crossed feedback pressure lines to the 4-3 hot air control-stabilizer existed during these tests.

8 COMMUTATOR

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
13 1 1	0.	1.	0.	1.	0.	1.	12.3	1.68	.0185	53.85	0.	0.	-311.
13 1 7	0.	1.	0.	1.	0.	1.	12.6	1.68	.0541	53.30	0.	0.	-621.
13 1 12	0.	1.	0.	1.	0.	1.	14.2	3.35	.0712	53.48	0.	0.	-388.
13 1 22	0.	1.	0.	1.	0.	1.	13.2	*0000.00	.0712	53.67	0.	0.	-427.
13 1 22	0.	1.	0.	1.	0.	1.	13.5	0.00	.0686	54.59	0.	0.	-621.
13 1 32	0.	1.	0.	1.	0.	1.	12.9	.84	.0554	54.59	0.	0.	-1087.
13 1 32	0.	1.	0.	1.	0.	1.	13.5	3.35	.0686	54.59	0.	0.	-388.
13 1 38	0.	1.	0.	1.	0.	1.	12.9	3.35	.0659	54.59	0.	0.	-427.
13 41 48	0.	1.	0.	1.	0.	1.	12.3	1.68	.0316	53.11	0.	0.	-233.
13 41 48	0.	1.	0.	1.	0.	1.	11.0	.84	.0580	53.85	0.	0.	-272.
13 41 58	0.	1.	0.	1.	0.	1.	13.5	3.35	.0878	54.59	0.	0.	-466.
13 41 58	0.	1.	0.	1.	0.	1.	12.9	4.19	.0659	53.67	0.	0.	-427.
13 2 3	0.	1.	0.	1.	0.	1.	12.3	3.35	.0343	54.59	0.	0.	-1553.
13 42 8	0.	1.	0.	1.	0.	1.	12.3	3.35	.0567	54.22	0.	0.	-1010.
13 2 13	0.	1.	0.	1.	0.	1.	12.3	3.35	.0738	53.85	0.	0.	-466.
13 2 18	0.	1.	0.	1.	0.	1.	12.3	3.35	.0725	53.48	0.	0.	-621.
13 2 23	0.	1.	0.	1.	0.	1.	11.6	LOW	.0581	54.22	0.	0.	-466.
13 2 29	0.	1.	0.	1.	0.	1.	12.3	*0000.00	.0500	54.77	0.	0.	-350.
13 4 11	0.	1.	0.	1.	0.	1.	12.9	1.68	.0712	51.27	0.	1.	-621.
13 4 11	0.	1.	0.	1.	0.	1.	12.3	1.66	.0659	51.64	0.	1.	-427.
13 4 16	0.	1.	0.	1.	0.	1.	12.3	LOW	.0396	49.43	0.	1.	-308.
13 4 21	0.	1.	0.	1.	0.	1.	12.6	*0000.00	.0330	112.35	0.	1.	-388.
13 4 26	0.	1.	0.	1.	0.	1.	12.9	0.00	.0185	326.68	0.	1.	-388.
13 4 31	0.	1.	0.	1.	0.	1.	13.5	2.51	.0659	325.90	0.	1.	-388.
13 4 44	0.	1.	0.	1.	0.	1.	14.2	3.35	.0633	325.74	0.	1.	-311.
13 4 42	0.	1.	0.	1.	0.	1.	13.2	1.68	.0422	328.55	0.	1.	-311.
13 4 47	0.	1.	0.	1.	0.	1.	11.8	0.00	.0527	324.19	0.	1.	-544.
13 4 52	0.	1.	0.	1.	0.	1.	12.3	1.68	.0699	324.34	0.	1.	-544.
13 4 65	0.	1.	0.	1.	0.	1.	12.3	5.03	.0712	326.99	0.	1.	-1553.
13 5 2	0.	1.	0.	1.	0.	1.	12.6	2.51	.0448	326.21	0.	1.	-893.
13 5 7	0.	1.	0.	1.	0.	1.	12.3	0.00	.0870	325.43	0.	1.	-311.
13 5 12	0.	1.	0.	1.	0.	1.	12.3	0.00	.0620	326.21	0.	1.	-311.
13 5 17	0.	1.	0.	1.	0.	1.	12.9	LOW	.1055	323.56	0.	1.	-311.
13 5 22	0.	1.	0.	1.	0.	1.	12.9	LOW	.0765	323.72	0.	1.	-427.
13 5 27	0.	1.	0.	1.	0.	1.	14.8	6.71	.0818	326.06	0.	0.	-544.
13 5 32	0.	1.	0.	1.	0.	1.	14.2	5.87	.0949	326.68	0.	0.	-505.
13 5 37	0.	1.	0.	1.	0.	1.	12.9	3.35	.0949	325.12	0.	0.	-544.
13 5 42	0.	1.	0.	1.	0.	1.	11.3	2.51	.0527	320.76	0.	0.	-583.
13 5 47	0.	1.	0.	1.	0.	1.	13.5	5.03	.0712	322.63	0.	0.	-388.
13 5 52	0.	1.	0.	1.	0.	1.	12.6	2.51	*00.0000	323.88	0.	0.	-466.
13 5 57	0.	1.	0.	1.	0.	1.	12.9	3.35	.1160	327.61	0.	0.	-233.
13 6 2	0.	1.	0.	1.	0.	1.	12.6	1.68	.1134	326.52	0.	0.	-155.
13 6 7	0.	1.	0.	1.	0.	1.	12.9	0.00	.0738	326.68	0.	0.	-544.
13 6 12	0.	1.	0.	1.	0.	1.	13.5	1.68	.0870	326.21	0.	0.	-427.
13 6 17	0.	1.	0.	1.	0.	1.	12.9	1.68	.0422	325.74	0.	0.	-388.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANUNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
13 6 22	0.	1.	0.	1.	0.	1.	13.9	3.35	.8480	324.97	0.	0.	-466.
13 6 27	0.	1.	0.	1.	0.	1.	13.5	3.35	.0422	326.99	0.	0.	-388.
13 6 32	0.	1.	0.	1.	0.	1.	12.9	1.68	.0475	326.86	0.	0.	-233.
13 6 37	0.	1.	0.	1.	0.	1.	13.5	LOW	.0396	327.38	0.	0.	-544.
13 6 47	0.	1.	0.	1.	0.	1.	11.6	*0000.00	.0448	326.63	0.	0.	-544.
13 6 47	0.	1.	0.	1.	0.	1.	12.3	3.35	.0818	324.81	0.	0.	-466.
13 6 52	0.	1.	0.	1.	0.	1.	12.6	3.35	.0804	325.74	0.	0.	-427.
13 6 57	0.	1.	0.	1.	0.	1.	13.5	LOW	.0659	328.85	0.	0.	-233.
13 7 2	0.	1.	0.	1.	0.	1.	13.5	*0000.00	.0541	190.83	0.	0.	-272.
13 7 7	0.	1.	0.	1.	0.	1.	14.2	1.68	.0686	324.19	0.	0.	-544.
13 7 12	0.	1.	0.	1.	0.	1.	13.9	3.35	.0738	324.65	0.	0.	-621.
13 7 18	0.	1.	0.	1.	0.	1.	13.5	3.35	.0738	325.43	0.	0.	-311.
13 7 23	0.	1.	0.	1.	0.	1.	13.9	2.51	.0633	325.74	0.	0.	-388.
13 7 28	0.	1.	0.	1.	0.	1.	12.9	1.68	.0369	324.50	0.	1.	-544.
13 7 33	0.	1.	0.	1.	0.	1.	13.2	2.51	.0527	324.34	0.	1.	-232.
13 7 38	0.	1.	0.	1.	0.	1.	13.5	0.00	.0316	324.81	0.	1.	-621.
13 7 43	0.	1.	0.	1.	0.	1.	14.2	5.03	.0541	322.79	0.	1.	-427.
13 7 48	0.	1.	0.	1.	0.	1.	14.2	1.68	.0501	325.74	0.	1.	-388.
13 7 53	0.	1.	0.	1.	0.	1.	11.9	2.51	.0554	325.74	0.	1.	-816.
13 7 58	0.	1.	0.	1.	0.	1.	16.8	3.35	.0897	326.99	0.	1.	-621.
13 8 3	0.	1.	0.	1.	0.	1.	236.4	2.51	.0699	326.99	0.	1.	-466.
13 48 8	0.	1.	0.	1.	0.	1.	562.6	3.35	.0738	326.99	0.	1.	-311.
13 8 13	0.	1.	0.	1.	0.	1.	562.0	1.68	.0593	325.98	0.	1.	-544.
13 8 18	0.	1.	0.	1.	0.	1.	498.8	1.68	.0607	324.58	0.	0.	-699.
13 8 23	0.	1.	0.	1.	0.	1.	479.2	2.51	.0725	324.65	0.	0.	-544.
13 8 28	0.	1.	0.	1.	0.	1.	485.4	LOW	.0633	326.68	0.	0.	-311.
13 8 33	0.	1.	0.	1.	0.	1.	489.0	*0000.00	.0791	324.65	0.	0.	-350.
13 8 38	0.	1.	0.	1.	0.	1.	493.9	0.00	.0686	323.96	0.	0.	-233.
13 8 43	0.	1.	0.	1.	0.	1.	498.2	1.68	.0633	324.34	0.	0.	-466.
13 48 48	0.	1.	0.	1.	0.	1.	498.8	0.00	.0422	325.12	0.	0.	-544.
13 8 53	0.	1.	0.	1.	0.	1.	503.1	*0000.00	.0514	326.81	0.	0.	-466.
13 8 58	0.	1.	0.	1.	0.	1.	508.6	LOW	.0686	322.94	0.	0.	-388.
13 9 3	0.	1.	0.	1.	0.	1.	509.9	*0000.00	.0554	325.20	0.	0.	-466.
13 49 8	0.	1.	0.	1.	0.	1.	516.0	3.35	.0659	326.86	0.	0.	-311.
13 9 13	0.	1.	0.	1.	0.	1.	517.2	2.51	.0620	326.21	0.	0.	-466.
13 9 23	0.	1.	0.	1.	0.	1.	517.2	0.00	.0500	323.88	0.	0.	-544.
13 9 28	0.	1.	0.	1.	0.	1.	517.8	0.00	.0475	324.81	0.	0.	-466.
13 9 28	0.	1.	0.	1.	0.	1.	519.7	3.35	.0818	324.81	0.	0.	-466.
13 9 33	0.	1.	0.	1.	0.	1.	519.7	9.22	.0583	225.19	0.	0.	-350.
13 9 38	0.	1.	0.	1.	0.	1.	522.1	3.35	.0607	326.68	0.	0.	-233.
13 9 43	0.	1.	0.	1.	0.	1.	522.7	3.35	.0699	325.43	0.	0.	-388.
13 49 48	0.	1.	0.	1.	0.	1.	523.4	3.35	.0580	324.58	0.	0.	-1553.
13 9 53	0.	1.	0.	1.	0.	1.	523.4	2.51	.0514	325.12	0.	0.	-1049.
13 9 59	0.	1.	0.	1.	0.	1.	523.4	1.68	.0686	325.43	0.	0.	-311.
13 10 4	0.	1.	0.	1.	0.	1.	524.6	3.35	.0686	325.43	0.	0.	-311.
13 10 9	0.	1.	0.	1.	0.	1.	527.0	3.35	.0607	324.19	0.	0.	-544.
13 10 22	0.	1.	0.	1.	0.	1.	526.4	1.68	.0693	324.65	0.	0.	-738.
13 10 19	0.	1.	0.	1.	0.	1.	524.6	5.03	.0873	324.81	0.	0.	-699.
13 10 24	0.	1.	0.	1.	0.	1.	525.2	5.03	.0765	325.43	0.	0.	-621.

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
01													
13 13 29	0.	1.	0.	1.	0.	1.	513.5	1.68	.0396	326.68	0.	0.	-544.
13 10 34	0.	1.	0.	1.	0.	1.	520.9	1.68	.0475	326.86	0.	0.	-585.
13 10 39	0.	1.	0.	1.	0.	1.	527.0	0.00	.0422	323.25	0.	0.	-621.
13 10 44	0.	1.	0.	1.	0.	1.	527.0	1.68	.0527	324.19	0.	0.	-585.
13 10 49	0.	1.	0.	1.	0.	1.	528.3	0.00	.0396	324.50	0.	0.	-311.
13 10 54	0.	1.	0.	1.	0.	1.	528.3	0.00	.0396	324.65	0.	0.	-272.
13 11 43	0.	1.	0.	1.	0.	1.	587.1	3.35	.0422	325.74	0.	0.	-388.
13 51 48	0.	1.	0.	1.	0.	1.	596.3	2.51	.0554	325.28	0.	0.	-388.
13 11 53	0.	1.	0.	1.	0.	1.	621.4	1.68	.0633	326.68	0.	0.	-544.
13 51 58	0.	1.	0.	1.	0.	1.	629.4	3.35	.0607	326.37	0.	0.	-583.
13 12 3	0.	1.	0.	1.	0.	1.	647.2	0.00	.0580	324.19	0.	0.	-777.
13 52 8	0.	1.	0.	1.	0.	1.	654.5	.84	.0633	324.50	0.	0.	-1165.
13 12 13	0.	1.	0.	1.	0.	1.	681.5	1.68	.0501	331.35	0.	0.	-621.
13 12 18	0.	1.	0.	1.	0.	1.	686.4	2.51	.0554	328.86	0.	0.	-583.
13 12 28	0.	1.	0.	1.	0.	1.	695.0	5.03	.0633	327.30	0.	0.	-78.
13 12 28	0.	1.	0.	1.	0.	1.	696.2	3.35	.0580	326.83	0.	0.	-350.
13 12 38	0.	1.	0.	1.	0.	1.	698.6	0.00	.0607	325.12	0.	0.	-1553.
13 12 38	0.	1.	0.	1.	0.	1.	695.6	7.54	.0593	325.59	0.	0.	-1049.
13 12 43	0.	1.	0.	1.	0.	1.	702.3	0.00	.0422	325.43	0.	0.	-544.
13 52 48	0.	1.	0.	1.	0.	1.	702.3	1.68	.0501	325.43	0.	0.	-660.
13 12 53	0.	1.	0.	1.	0.	1.	703.5	3.35	.0818	323.88	0.	0.	-544.
13 12 58	0.	1.	0.	1.	0.	1.	702.3	2.51	.0738	326.37	0.	0.	-505.
13 13 3	0.	1.	0.	1.	0.	1.	701.1	3.35	.0765	325.43	0.	0.	-388.
13 13 9	0.	1.	0.	1.	0.	1.	701.1	3.35	.0725	325.90	0.	0.	-466.
13 13 14	0.	1.	0.	1.	0.	1.	702.3	3.35	.0844	324.19	0.	0.	-621.
13 13 19	0.	1.	0.	1.	0.	1.	698.6	1.68	.0752	324.97	0.	0.	-621.
13 13 24	0.	1.	0.	1.	0.	1.	699.9	1.68	.0448	326.37	0.	0.	-544.
13 13 29	0.	1.	0.	1.	0.	1.	700.5	2.51	.0514	326.83	0.	0.	-583.
13 13 34	0.	1.	0.	1.	0.	1.	706.0	5.03	.0765	326.06	0.	0.	-854.
13 13 39	0.	1.	0.	1.	0.	1.	705.4	2.51	.0673	325.74	0.	0.	-1010.
13 13 44	0.	1.	0.	1.	0.	1.	702.3	3.35	.0738	323.88	0.	0.	-544.
13 13 49	0.	1.	0.	1.	0.	1.	703.5	*0000.00	.0462	325.12	0.	0.	-738.
13 13 54	0.	1.	0.	1.	0.	1.	702.3	LOW	.0448	324.19	0.	0.	-466.
13 13 59	0.	1.	0.	1.	0.	1.	699.9	*0000.00	.0462	324.97	0.	0.	-388.
13 14 4	0.	1.	0.	1.	0.	1.	696.2	8.38	.0475	326.37	0.	0.	0.
13 14 9	0.	1.	0.	1.	0.	1.	696.8	8.38	.0607	326.99	0.	0.	-311.
13 14 14	0.	1.	0.	1.	0.	1.	696.2	5.03	.0580	325.74	0.	0.	-311.
13 14 19	0.	1.	0.	1.	0.	1.	695.6	5.03	.0607	326.68	0.	0.	-466.
13 14 24	0.	1.	0.	1.	0.	1.	695.0	5.03	.0396	326.06	0.	0.	-388.
13 14 29	0.	1.	0.	1.	0.	1.	698.6	3.35	.0489	326.21	0.	0.	-388.
13 14 34	0.	1.	0.	1.	0.	1.	699.9	3.35	.0501	326.37	0.	0.	-544.
13 14 39	0.	1.	0.	1.	0.	1.	699.9	3.35	.0633	325.90	0.	0.	-621.
13 14 44	0.	1.	0.	1.	0.	1.	703.5	LOW	.0580	326.06	0.	0.	-699.
13 14 49	0.	1.	0.	1.	0.	1.	701.1	*0000.00	.0620	325.59	0.	0.	-505.
13 14 54	0.	1.	0.	1.	0.	1.	698.6	3.35	.0686	325.12	0.	0.	-466.
13 14 59	0.	1.	0.	1.	0.	1.	699.3	3.35	.0593	325.74	0.	0.	-505.
13 15 12	0.	1.	0.	1.	0.	1.	698.6	1.68	.0765	324.81	0.	0.	-544.
13 15 14	0.	1.	0.	1.	0.	1.	699.3	2.51	.0686	326.86	0.	0.	-544.
13 15 19	0.	1.	0.	1.	0.	1.	699.9	3.35	.0607	324.50	0.	0.	-388.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/M ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
13 15 19	0.	1.	0.	1.	0.	1.	699.3	1.68	.0607	325.28	0.	0.	-466.
13 15 24	0.	1.	0.	1.	0.	1.	697.4	0.00	.0501	326.68	0.	0.	-544.
13 15 29	0.	1.	0.	1.	0.	1.	696.8	1.68	.0554	326.06	0.	0.	-544.
13 15 34	0.	1.	0.	1.	0.	1.	696.2	1.68	.0607	326.99	0.	0.	-544.
13 15 39	0.	1.	0.	1.	0.	1.	696.8	.84	.0765	325.98	0.	0.	-583.
13 15 44	0.	1.	0.	1.	0.	1.	696.2	1.68	.0501	325.74	0.	0.	-388.
13 15 50	0.	1.	0.	1.	0.	1.	695.6	.84	.0646	325.74	0.	0.	-388.
13 15 55	0.	1.	0.	1.	0.	1.	699.9	1.68	.0607	325.74	0.	0.	-466.
13 16 0	0.	1.	0.	1.	0.	1.	697.4	2.51	.0687	325.98	0.	0.	-427.
13 16 5	0.	1.	0.	1.	0.	1.	708.5	16.77	.0396	327.38	0.	0.	-621.
13 16 10	0.	1.	0.	1.	0.	1.	703.3	10.06	.0462	326.21	0.	0.	-583.
13 16 15	0.	1.	0.	1.	0.	1.	698.6	3.35	.0818	324.81	0.	0.	-621.
13 16 20	0.	1.	0.	1.	0.	1.	698.0	3.35	.0673	324.97	0.	0.	-583.
13 16 25	0.	1.	0.	1.	0.	1.	698.6	3.35	.0818	324.81	0.	0.	-388.
13 16 30	0.	1.	0.	1.	0.	1.	697.4	2.51	.0686	325.74	0.	0.	-544.
13 16 35	0.	1.	0.	1.	0.	1.	695.0	1.68	.0448	324.50	0.	0.	-388.
13 16 40	0.	1.	0.	1.	0.	1.	696.8	1.68	.0462	325.12	0.	0.	-505.
13 16 53	0.	1.	0.	1.	0.	1.	697.4	1.68	.0527	326.99	0.	0.	-388.
13 16 50	0.	1.	0.	1.	0.	1.	698.6	1.68	.0554	326.06	0.	0.	-466.
13 56 55	0.	1.	0.	1.	0.	1.	698.1	0.00	.0501	326.99	0.	0.	-544.
13 17 0	0.	1.	0.	1.	0.	1.	693.7	1.68	.0501	326.21	0.	0.	-544.
13 17 5	0.	1.	0.	1.	0.	1.	698.6	1.68	.0607	324.50	0.	0.	-544.
13 17 10	0.	1.	0.	1.	0.	1.	699.3	2.51	.0554	325.43	0.	0.	-544.
13 17 15	0.	1.	0.	1.	0.	1.	698.6	1.68	.0607	325.43	0.	0.	-466.
13 17 20	0.	1.	0.	1.	0.	1.	695.2	.84	.0607	326.21	0.	0.	-699.
13 17 25	0.	1.	0.	1.	0.	1.	693.7	1.68	.0607	324.81	0.	0.	-544.
13 17 30	0.	1.	0.	1.	0.	1.	694.4	3.35	.0501	325.59	0.	0.	-583.
13 17 35	0.	1.	0.	1.	0.	1.	696.2	0.00	.0501	325.12	0.	0.	-466.
13 17 40	0.	1.	0.	1.	0.	1.	693.1	.84	.0488	325.28	0.	0.	-505.
13 17 50	0.	1.	0.	1.	0.	1.	690.1	1.68	.0712	325.43	0.	0.	-233.
13 17 55	0.	1.	0.	1.	0.	1.	692.5	.84	.0712	326.37	0.	0.	-311.
13 17 55	0.	1.	0.	1.	0.	1.	698.6	0.00	.0923	325.43	0.	0.	-854.
13 18 0	0.	1.	0.	1.	0.	1.	703.5	.84	.0791	325.43	0.	0.	-777.
13 18 5	0.	1.	0.	1.	0.	1.	696.2	1.68	.0818	325.43	0.	0.	-544.
13 18 10	0.	1.	0.	1.	0.	1.	696.2	1.68	.0778	325.43	0.	0.	-621.
13 18 15	0.	1.	0.	1.	0.	1.	697.4	1.68	.0607	326.37	0.	0.	-466.
13 18 20	0.	1.	0.	1.	0.	1.	696.8	.84	.0554	325.74	0.	0.	-505.
13 18 26	0.	1.	0.	1.	0.	1.	698.6	3.35	.0607	324.81	0.	0.	-699.
13 18 31	0.	1.	0.	1.	0.	1.	699.3	4.19	.0501	325.12	0.	0.	-544.
13 18 36	0.	1.	0.	1.	0.	1.	697.4	0.00	.0738	325.12	0.	0.	-544.
13 18 41	0.	1.	0.	1.	0.	1.	693.7	.84	.0725	325.43	0.	0.	-544.
13 18 46	0.	1.	0.	1.	0.	1.	696.2	5.03	.0607	323.88	0.	0.	-699.
13 18 51	0.	1.	0.	1.	0.	1.	696.2	3.35	.0607	324.97	0.	0.	-583.
13 18 56	0.	1.	0.	1.	0.	1.	695.8	0.00	.0580	324.19	0.	0.	-466.
13 19 1	0.	1.	0.	1.	0.	1.	699.9	*0000.00	.0580	323.88	0.	0.	-350.
13 19 6	0.	1.	0.	1.	0.	1.	697.4	0.00	.0527	325.43	0.	0.	-777.
13 19 11	0.	1.	0.	1.	0.	1.	696.8	0.00	.0475	326.21	0.	0.	-738.
13 19 16	0.	1.	0.	1.	0.	1.	695.0	1.66	.0443	325.12	0.	0.	-388.
13 19 21	0.	1.	0.	1.	0.	1.	669.8	9.22	.0593	325.28	0.	0.	-505.

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANONG GR UP	AF 3B POSITN NOSE LANONG GEAR DWN	PR 03 TEMP TURBIN INLET TT5L/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
01													
13 19 26	0.	1.	0.	1.	0.	1.	552.8	1.68	.0396	323.56	0.	0.	-699.
13 22 24	0.	1.	0.	1.	0.	1.	540.5	1.68	.0514	324.50	0.	0.	-699.
13 22 34	0.	1.	0.	1.	0.	1.	524.6	3.35	.0501	322.94	0.	0.	-544.
13 22 34	0.	1.	0.	1.	0.	1.	525.2	3.35	.0593	324.65	0.	0.	-621.
13 22 39	0.	1.	0.	1.	0.	1.	525.8	1.68	.0712	325.12	0.	0.	-544.
13 22 44	0.	1.	0.	1.	0.	1.	525.2	.84	.0593	329.43	0.	0.	-583.
13 22 49	0.	1.	0.	1.	0.	1.	524.6	0.00	.0659	325.12	0.	0.	-544.
13 22 54	0.	1.	0.	1.	0.	1.	524.6	0.00	.0633	324.81	0.	0.	-583.
13 22 59	0.	1.	0.	1.	0.	1.	522.1	1.68	.0396	326.68	0.	0.	0.
13 23 4	0.	1.	0.	1.	0.	1.	523.4	1.68	.0554	325.59	0.	0.	-777.
13 23 10	0.	1.	0.	1.	0.	1.	523.4	0.00	.0633	325.74	0.	0.	-311.
13 23 15	0.	1.	0.	1.	0.	1.	525.2	.84	.0633	324.97	0.	0.	-932.
13 23 20	0.	1.	0.	1.	0.	1.	524.6	3.35	.0738	325.12	0.	0.	-544.
13 23 25	0.	1.	0.	1.	0.	1.	524.6	3.35	.0633	325.59	0.	0.	-583.
13 23 30	0.	1.	0.	1.	0.	1.	523.4	0.00	.0633	324.19	0.	0.	-466.
13 23 35	0.	1.	0.	1.	0.	1.	508.6	0.00	.0646	325.12	0.	0.	-505.
13 23 40	0.	1.	0.	1.	0.	1.	523.4	0.00	.0554	324.81	0.	0.	-854.
13 23 45	0.	1.	0.	1.	0.	1.	518.5	*0000.00	.0567	324.81	0.	0.	-621.
13 23 50	0.	1.	0.	1.	0.	1.	525.8	0.00	.0580	326.68	0.	0.	-544.
13 23 55	0.	1.	0.	1.	0.	1.	524.6	0.00	.0488	325.90	0.	0.	-621.
13 24 0	0.	1.	0.	1.	0.	1.	520.9	1.68	.0396	325.43	0.	0.	-544.
13 24 5	0.	1.	0.	1.	0.	1.	521.5	2.51	.0541	325.43	0.	0.	-583.
13 24 10	0.	1.	0.	1.	0.	1.	524.6	3.35	.0791	325.43	0.	0.	-621.
13 24 15	0.	1.	0.	1.	0.	1.	524.0	3.35	.0633	324.65	0.	0.	-621.
13 24 20	0.	1.	0.	1.	0.	1.	523.4	5.03	.0712	325.43	0.	0.	-621.
13 24 25	0.	1.	0.	1.	0.	1.	522.1	3.35	.0725	325.74	0.	0.	-621.
13 24 30	0.	1.	0.	1.	0.	1.	519.5	1.68	.0475	323.56	0.	0.	-699.
13 24 35	0.	1.	0.	1.	0.	1.	520.3	.84	.0527	325.12	0.	0.	-621.
13 24 40	0.	1.	0.	1.	0.	1.	523.4	0.00	.0501	326.37	0.	0.	-777.
13 24 45	0.	1.	0.	1.	0.	1.	522.1	0.00	.0541	325.59	0.	0.	-699.
13 24 50	0.	1.	0.	1.	0.	1.	522.1	3.35	.0738	326.37	0.	0.	-544.
13 24 55	0.	1.	0.	1.	0.	1.	522.1	2.51	.0738	325.90	0.	0.	-505.
13 25 0	0.	1.	0.	1.	0.	1.	493.9	LOW	.0738	323.88	0.	0.	-544.
13 25 10	0.	1.	0.	1.	0.	1.	493.9	*0000.00	.0673	324.50	0.	0.	-544.
13 25 15	0.	1.	0.	1.	0.	1.	519.7	0.00	.0501	325.43	0.	0.	-699.
13 25 23	0.	1.	0.	1.	0.	1.	520.9	0.00	.0646	326.06	0.	0.	-621.
13 25 28	0.	1.	0.	1.	0.	1.	523.4	0.00	.0686	323.88	0.	0.	-621.
13 25 25	0.	1.	0.	1.	0.	1.	524.3	1.68	.0725	324.19	0.	0.	-544.
13 25 30	0.	1.	0.	1.	0.	1.	531.9	0.00	.0607	326.06	0.	0.	-621.
13 25 35	0.	1.	0.	1.	0.	1.	526.3	*0000.00	.0607	326.06	0.	0.	-621.
13 25 40	0.	1.	0.	1.	0.	1.	523.4	LOW	.0554	324.81	0.	0.	-544.
13 25 46	0.	1.	0.	1.	0.	1.	524.0	*0000.00	.0607	325.12	0.	0.	-544.
13 25 51	0.	1.	0.	1.	0.	1.	522.1	3.35	.0791	324.81	0.	0.	-544.
13 25 56	0.	1.	0.	1.	0.	1.	522.1	2.51	.0646	324.50	0.	0.	-544.
13 26 1	0.	1.	0.	1.	0.	1.	513.5	0.00	.0475	326.68	0.	0.	-621.
13 26 6	0.	1.	0.	1.	0.	1.	518.5	1.68	.0593	325.90	0.	0.	-621.
13 26 11	0.	1.	0.	1.	0.	1.	524.6	0.00	.0422	324.81	0.	0.	-621.
13 26 16	0.	1.	0.	1.	0.	1.	525.8	.84	.0580	325.43	0.	0.	-583.
13 26 21	0.	1.	0.	1.	0.	1.	523.5	3.35	.0686	325.74	0.	0.	-777.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TT5L/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG AIRCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
13 26 26	0.	1.	0.	1.	0.	1.	529.5	0.38	.0620	325.26	0.	0.	-621.
13 26 31	0.	1.	0.	1.	0.	1.	524.6	0.00	.0070	325.74	0.	0.	-466.
13 26 36	0.	1.	0.	1.	0.	1.	524.8	1.68	.0699	324.65	0.	0.	-505.
13 26 41	0.	1.	0.	1.	0.	1.	523.4	LOW	.0686	327.30	0.	0.	-544.
13 26 46	0.	1.	0.	1.	0.	1.	522.1	*0000.00	.0673	326.37	0.	0.	-583.
13 49 8	0.	1.	0.	1.	0.	1.	517.2	1.68	.0818	327.30	0.	0.	-777.
13 49 13	0.	1.	0.	1.	0.	1.	519.7	321.70	.4297	326.99	0.	0.	19612.
13 49 18	0.	1.	0.	1.	0.	1.	525.8	731.55	.9160	325.74	0.	0.	40000.
13 49 23	0.	1.	0.	1.	0.	1.	525.8	783.96	.9972	324.65	0.	0.	40000.
13 49 28	0.	1.	0.	1.	0.	1.	531.9	949.49	1.2194	323.56	0.	0.	40000.
13 49 33	0.	1.	0.	1.	0.	1.	529.5	1087.72	1.3512	324.65	0.	0.	40000.
13 49 38	0.	1.	0.	1.	0.	1.	513.5	1187.39	1.7171	325.12	0.	0.	40000.
13 49 43	0.	1.	0.	1.	0.	1.	515.6	1248.11	1.6742	324.81	0.	0.	40000.
13 49 48	0.	1.	0.	1.	0.	1.	518.5	1327.13	2.0044	325.43	0.	0.	40000.
13 49 53	0.	1.	0.	1.	0.	1.	516.6	1328.80	2.0791	325.43	0.	0.	79.
13 49 58	0.	1.	0.	1.	0.	1.	528.3	1316.81	2.0844	324.81	0.	0.	-77.
13 50 3	0.	1.	0.	1.	0.	1.	522.7	1322.14	2.0884	324.97	0.	0.	-233.
13 50 8	0.	1.	0.	1.	0.	1.	514.8	1333.79	2.0977	327.61	0.	0.	-233.
13 50 18	0.	1.	0.	1.	0.	1.	517.2	936.18	1.6812	326.99	0.	0.	-311.
13 50 18	0.	1.	0.	1.	0.	1.	522.1	142.51	.2084	327.30	0.	0.	*737856.
13 50 23	0.	1.	0.	1.	0.	1.	521.5	131.61	.1978	326.52	0.	0.	LOW
13 50 28	0.	1.	0.	1.	0.	1.	524.6	90.54	.1530	328.66	0.	0.	LOW
13 50 33	0.	1.	0.	1.	0.	1.	525.8	61.31	.1292	327.15	0.	0.	LOW
13 50 38	0.	1.	0.	1.	0.	1.	524.6	43.59	.0712	325.12	0.	0.	LOW
13 50 43	0.	1.	0.	1.	0.	1.	522.1	24.31	.0554	325.74	0.	0.	LOW
13 50 48	0.	1.	0.	1.	0.	1.	524.6	LOW	.0844	323.68	0.	0.	-621.
13 50 54	0.	1.	0.	1.	0.	1.	521.5	LOW	.0620	323.72	0.	0.	-1007.
13 50 59	0.	1.	0.	1.	0.	1.	519.5	0.00	.0316	326.06	0.	0.	-233.
13 51 4	0.	1.	0.	1.	0.	1.	517.2	74.61	.1209	325.74	0.	0.	11104.
13 51 9	0.	1.	0.	1.	0.	1.	517.2	152.57	.2347	327.30	0.	0.	-466.
13 51 14	0.	1.	0.	1.	0.	1.	517.2	150.06	.2044	326.37	0.	0.	-350.
13 51 19	0.	1.	0.	1.	0.	1.	517.2	78.80	.0976	326.37	0.	0.	LOW
13 51 24	0.	1.	0.	1.	0.	1.	517.8	42.75	.0804	326.99	0.	0.	*737856.
13 51 29	0.	1.	0.	1.	0.	1.	524.6	3.35	.0976	327.61	0.	0.	-854.
14 3 13	0.	1.	0.	1.	0.	1.	530.1	3.35	.0778	326.52	0.	0.	-1234.
14 3 18	0.	1.	0.	1.	0.	1.	571.2	1.68	.0527	327.30	0.	0.	-1087.
14 3 23	0.	1.	0.	1.	0.	1.	582.2	1.68	.0422	326.21	0.	0.	-932.
14 3 33	0.	1.	0.	1.	0.	1.	617.7	0.00	.0369	324.19	0.	0.	-854.
14 3 33	0.	1.	0.	1.	0.	1.	633.7	.84	.0448	323.88	0.	0.	-893.
14 3 43	0.	1.	0.	1.	0.	1.	676.6	LOW	.0712	325.74	0.	0.	-544.
14 43 48	0.	1.	0.	1.	0.	1.	687.6	*0000.00	.0804	324.81	0.	0.	-777.
14 3 53	0.	1.	0.	1.	0.	1.	713.4	1.68	.0659	325.74	0.	0.	-777.
14 43 58	0.	1.	0.	1.	0.	1.	722.5	1.68	.0620	325.74	0.	0.	-738.
14 4 3	0.	1.	0.	1.	0.	1.	742.4	1.68	.0097	323.88	0.	0.	-388.
14 4 8	0.	1.	0.	1.	0.	1.	753.2	.84	.0620	324.65	0.	0.	-621.
14 4 14	0.	1.	0.	1.	0.	1.	785.9	LOW	.0607	326.27	0.	0.	-777.
14 4 19	0.	1.	0.	1.	0.	1.	796.7	*0000.00	.0725	325.59	0.	0.	-738.
14 4 24	0.	1.	0.	1.	0.	1.	827.4	3.35	.0010	325.43	0.	0.	-777.
							836.5	2.51	.0646	325.12	0.	0.	-1165.

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/M ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
01													
14 4 29	0.	1.	0.	1.	0.	1.	866.6	3.35	.0580	324.50	0.	0.	-544.
14 4 34	0.	1.	0.	1.	0.	1.	881.3	3.35	.0580	324.81	0.	0.	-583.
14 4 39	0.	1.	0.	1.	0.	1.	921.7	0.00	.0580	322.94	0.	0.	-854.
14 4 44	0.	1.	0.	1.	0.	1.	937.7	0.00	.0581	324.34	0.	0.	-699.
14 4 49	0.	1.	0.	1.	0.	1.	992.8	3.35	.0607	325.43	0.	0.	-388.
14 4 54	0.	1.	0.	1.	0.	1.	1016.1	2.51	.0620	325.43	0.	0.	-272.
14 4 59	0.	1.	0.	1.	0.	1.	1073.7	3.35	.0396	324.81	0.	0.	-233.
14 5 4	0.	1.	0.	1.	0.	1.	1073.0	2.51	.0580	325.28	0.	0.	-388.
14 5 9	0.	1.	0.	1.	0.	1.	1081.1	3.35	.0554	326.06	0.	0.	-932.
14 5 14	0.	1.	0.	1.	0.	1.	1081.7	2.51	.0712	326.21	0.	0.	-544.
14 5 19	0.	1.	0.	1.	0.	1.	1083.5	3.35	.0475	324.50	0.	0.	-699.
14 5 24	0.	1.	0.	1.	0.	1.	1082.9	3.35	.0527	324.97	0.	0.	-932.
14 5 29	0.	1.	0.	1.	0.	1.	1083.5	1.68	.0607	326.68	0.	0.	-699.
14 5 34	0.	1.	0.	1.	0.	1.	1084.8	*0000.00	.0620	326.37	0.	0.	-699.
14 5 39	0.	1.	0.	1.	0.	1.	1086.0	0.00	.0686	324.50	0.	0.	-544.
14 5 44	0.	1.	0.	1.	0.	1.	1085.4	1.68	.0673	324.81	0.	0.	-544.
14 5 49	0.	1.	0.	1.	0.	1.	1087.2	3.35	.0554	326.06	0.	0.	-544.
14 5 54	0.	1.	0.	1.	0.	1.	981.8	3.35	.0607	325.43	0.	0.	-1010.
14 5 59	0.	1.	0.	1.	0.	1.	669.2	LOW	.0501	323.25	0.	0.	-932.
14 6 9	0.	1.	0.	1.	0.	1.	650.2	*0000.00	.0541	324.97	0.	0.	-854.
14 6 9	0.	1.	0.	1.	0.	1.	607.9	1.68	.0633	325.12	0.	0.	-544.
14 6 19	0.	1.	0.	1.	0.	1.	597.5	2.51	.0580	325.28	0.	0.	-466.
14 6 19	0.	1.	0.	1.	0.	1.	577.3	3.35	.0712	325.12	0.	0.	-777.
14 6 24	0.	1.	0.	1.	0.	1.	572.4	2.51	.0620	325.90	0.	0.	-699.
14 16 29	0.	1.	0.	1.	0.	1.	557.7	0.00	.0659	324.81	0.	0.	-699.
14 14 36	0.	1.	0.	1.	0.	1.	540.5	0.00	.0554	325.74	0.	0.	-544.
14 14 41	0.	1.	0.	1.	0.	1.	516.0	3.35	.0633	325.74	0.	0.	-621.
14 14 46	0.	1.	0.	1.	0.	1.	519.1	2.51	.0633	327.30	0.	0.	-621.
14 14 51	0.	1.	0.	1.	0.	1.	513.5	LOW	.0818	325.43	0.	0.	-621.
14 15 1	0.	1.	0.	1.	0.	1.	517.2	*0000.00	.0593	326.37	0.	0.	-699.
14 15 1	0.	1.	0.	1.	0.	1.	523.4	3.35	.0686	325.43	0.	0.	-932.
14 15 11	0.	1.	0.	1.	0.	1.	524.0	1.68	.0607	325.12	0.	0.	-738.
14 15 11	0.	1.	0.	1.	0.	1.	522.1	3.35	.0791	325.43	0.	0.	-699.
14 15 16	0.	1.	0.	1.	0.	1.	522.1	1.68	.0646	325.43	0.	0.	-699.
14 15 21	0.	1.	0.	1.	0.	1.	522.1	0.00	.0527	325.74	0.	0.	-621.
14 15 26	0.	1.	0.	1.	0.	1.	522.1	.84	.0580	324.19	0.	0.	-660.
14 15 31	0.	1.	0.	1.	0.	1.	522.1	0.00	.0686	324.50	0.	0.	-621.
14 15 36	0.	1.	0.	1.	0.	1.	522.7	.84	.0752	324.97	0.	0.	-621.
14 15 42	0.	1.	0.	1.	0.	1.	520.9	0.00	.0765	324.50	0.	0.	-466.
14 15 47	0.	1.	0.	1.	0.	1.	522.1	0.00	.0620	324.81	0.	0.	-544.
14 15 52	0.	1.	0.	1.	0.	1.	529.5	LOW	.0527	323.56	0.	0.	-621.
14 17 19	1.	1.	0.	1.	0.	1.	524.6	*0000.00	.0567	324.97	0.	0.	-271.
14 17 24	1.	0.	1.	0.	1.	0.	514.8	3.35	.0765	325.74	0.	0.	-699.
14 17 29	1.	0.	1.	0.	1.	0.	513.5	2.51	.0607	324.19	0.	0.	-699.
14 17 34	1.	0.	1.	0.	1.	0.	514.8	LOW	.0527	326.06	0.	0.	-699.
14 17 39	1.	0.	1.	0.	1.	0.	515.4	*0000.00	.0567	326.37	0.	0.	-777.
14 17 44	1.	0.	1.	0.	1.	0.	514.8	LOW	.0369	326.99	0.	0.	-544.
14 17 49	1.	0.	1.	0.	1.	0.	504.4	*0000.00	.0475	326.21	0.	0.	-699.
14 17 54	0.	1.	0.	0.	1.	0.	517.2	1.68	.0580	326.06	0.	0.	-544.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/M ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
14 17 59	0.	1.	0.	0.	1.	0.	515.4	2.51	.0712	325.59	0.	0.	-585.
14 18 4	0.	1.	0.	1.	0.	1.	518.5	1.68	.0527	325.74	0.	0.	-300.
14 18 9	0.	1.	0.	1.	0.	1.	515.4	.84	.0673	325.28	0.	0.	-466.
14 18 14	0.	1.	0.	1.	0.	1.	514.8	3.35	.0687	324.01	0.	0.	-300.
14 18 19	0.	1.	0.	1.	0.	1.	513.5	3.35	.0712	324.97	0.	0.	-585.
14 32 7	0.	1.	0.	1.	0.	1.	367.7	1.68	.0738	319.28	0.	0.	-854.
14 32 13	0.	1.	0.	1.	0.	1.	346.2	1.68	.0884	322.47	0.	0.	-738.
14 32 18	0.	1.	0.	1.	0.	1.	316.2	1.68	.0633	326.37	0.	0.	-699.
14 32 23	0.	1.	0.	1.	0.	1.	319.3	.84	.0356	326.83	0.	0.	-816.
14 32 28	0.	1.	0.	1.	0.	1.	372.6	0.00	.0879	327.38	0.	0.	-699.
14 32 33	0.	1.	0.	1.	0.	1.	381.2	2.51	.0237	326.99	0.	0.	-738.
14 32 39	0.	1.	0.	1.	0.	1.	394.6	0.00	.0818	327.61	0.	0.	-544.
14 32 44	0.	1.	0.	1.	0.	1.	395.9	0.00	.0646	326.37	0.	0.	-738.
14 32 49	0.	1.	0.	1.	0.	1.	397.1	0.00	.0791	327.38	0.	0.	-699.
14 32 54	0.	1.	0.	1.	0.	1.	398.3	0.00	*00.0000	325.74	0.	0.	-738.
14 32 59	0.	1.	0.	1.	0.	1.	398.3	0.00	0.0000	324.19	0.	0.	-699.
14 33 4	0.	1.	0.	1.	0.	1.	397.7	7.54	*00.0000	324.83	0.	0.	-699.
14 33 9	0.	1.	0.	1.	0.	1.	394.6	1.68	LOW	325.43	0.	0.	-699.
14 33 14	0.	1.	0.	1.	0.	1.	394.0	1.68	*00.0000	324.19	0.	0.	-699.

B COMMUTATOR

TIME H/M/S	EC 03 TEMP RAM AF	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 1 1	34.62	4.46	29.326	16147.	0.000	LOW	0.000	16.25	21.83
13 1 7	32.93	4.02	29.326	16101.	0.000	LOW	0.000	16.26	21.68
13 1 12	30.29	4.46	29.326	16055.	0.000	LOW	0.000	16.26	21.76
13 1 22	29.57	3.93	29.277	16101.	0.000	LOW	0.000	16.26	21.67
13 1 22	30.29	3.39	29.228	16055.	0.000	LOW	0.000	16.25	21.83
13 1 32	30.53	4.02	29.130	15101.	0.000	LOW	0.000	16.25	21.68
13 1 32	31.25	4.64	29.228	15963.	0.000	LOW	0.000	16.26	21.47
13 1 38	30.77	4.29	29.228	16055.	0.000	LOW	0.000	16.44	21.58
13 41 48	30.77	4.64	29.326	16055.	0.000	LOW	0.000	16.26	21.82
13 41 48	30.77	4.02	29.277	16055.	0.000	LOW	0.000	16.44	21.76
13 41 58	30.77	3.57	29.130	16147.	0.000	LOW	0.000	16.25	21.88
13 41 58	30.29	3.57	29.130	16147.	0.000	LOW	0.000	16.26	21.79
13 2 3	30.77	4.64	29.228	16239.	0.000	LOW	0.000	16.26	21.88
13 42 8	28.85	4.55	29.179	15101.	0.000	LOW	0.000	16.25	21.94
13 2 13	30.77	4.11	29.130	15055.	0.000	LOW	0.000	16.27	21.76
13 2 18	30.77	3.75	29.081	16101.	0.000	LOW	0.000	16.27	21.79
13 2 23	30.77	4.46	29.619	16055.	0.000	LOW	0.000	16.26	21.47
13 2 29	31.01	4.38	29.374	16009.	0.000	LOW	0.000	16.26	21.53
13 4 11	29.33	4.11	29.032	15321.	.036	LOW	0.000	16.28	21.76
13 4 11	29.81	5.18	29.081	15275.	.040	LOW	0.000	16.27	21.73
13 4 16	30.29	4.29	29.032	15138.	.036	LOW	0.000	16.26	21.68
13 4 21	30.29	3.48	29.032	15183.	.036	LOW	0.000	16.27	21.88
13 4 26	30.77	3.84	29.228	15138.	.036	LOW	0.000	16.26	22.03
13 4 31	30.77	3.66	28.983	14633.	.045	LOW	0.000	16.27	21.88
13 4 44	30.29	2.86	29.032	15229.	.054	LOW	0.000	16.27	21.79
13 4 42	30.29	3.13	29.130	15183.	.049	LOW	0.000	16.26	21.73
13 4 47	30.25	4.46	29.130	15138.	.018	LOW	0.000	16.27	21.47
13 4 52	28.61	4.29	28.983	15183.	.027	LOW	0.000	16.28	21.53
13 4 65	29.81	6.25	29.032	15229.	.054	LOW	0.000	16.28	21.47
13 5 2	29.81	4.73	29.130	15183.	.045	LOW	0.000	16.28	21.61
13 5 7	31.25	4.29	28.935	15138.	.045	LOW	0.000	16.26	21.64
13 5 12	30.05	4.11	28.983	15138.	.049	LOW	0.000	16.44	21.79
13 5 17	31.25	5.00	29.423	14954.	.063	LOW	0.000	16.25	21.64
13 5 22	30.77	3.48	29.374	15046.	.049	LOW	0.000	16.25	21.73
13 5 27	28.52	2.60	28.837	15046.	.045	LOW	0.000	16.27	21.64
13 5 32	28.85	3.48	28.837	15046.	.040	LOW	0.000	16.28	21.64
13 5 37	29.81	4.46	29.032	15046.	.027	LOW	0.000	16.28	21.58
13 5 42	29.57	3.66	28.739	15229.	.036	LOW	0.000	16.28	21.53
13 5 47	29.81	6.25	29.130	15229.	.054	LOW	0.000	16.28	21.58
13 5 52	30.05	5.09	29.179	15229.	.036	LOW	0.000	16.27	21.73
13 5 57	30.77	5.54	29.228	15046.	.063	LOW	0.000	16.27	21.73
13 6 2	28.85	4.91	29.130	15092.	.049	LOW	0.000	16.27	21.67
13 6 7	30.29	4.29	29.130	15596.	0.000	LOW	0.000	16.27	21.58
13 6 12	30.29	3.21	29.032	15642.	0.000	LOW	0.000	16.27	21.58
13 6 17	30.29	2.50	29.130	15872.	0.000	LOW	0.000	16.54	21.82

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 6 22	30.29	3.30	29.032	15826.	0.000	LOW	0.000	16.40	21.76
13 6 27	29.81	1.79	29.228	16055.	0.000	LOW	0.000	16.26	21.70
13 6 32	29.81	1.52	29.228	15826.	0.000	LOW	0.000	16.26	21.73
13 6 37	30.29	2.50	28.446	16055.	0.000	LOW	0.000	16.25	21.47
13 6 47	29.57	2.05	28.983	15963.	0.000	LOW	0.000	16.25	21.53
13 6 47	30.29	1.96	29.228	16055.	0.000	LOW	0.000	16.26	21.64
13 6 52	30.29	2.50	28.739	16055.	0.000	LOW	0.000	16.27	21.56
13 6 57	30.29	4.29	29.032	15963.	0.000	LOW	0.000	16.26	21.53
13 7 2	30.25	3.75	29.081	15963.	0.000	LOW	0.000	16.26	21.61
13 7 7	32.21	4.29	28.837	15963.	0.000	LOW	0.000	16.27	21.64
13 7 12	31.49	3.75	28.837	16009.	0.000	LOW	0.000	16.27	21.64
13 7 18	30.77	3.57	28.837	15872.	0.000	LOW	0.000	16.26	21.58
13 7 23	30.77	3.57	28.837	15872.	0.000	LOW	0.000	16.27	21.64
13 7 28	29.81	2.14	28.935	16055.	0.000	LOW	0.000	16.27	21.58
13 7 33	30.05	33.93	29.032	16055.	0.000	LOW	0.000	16.27	21.61
13 7 38	29.81	64.45	28.935	15963.	0.000	LOW	0.000	16.26	21.76
13 7 43	30.77	65.09	29.032	16055.	0.000	LOW	0.000	16.26	21.76
13 7 48	30.29	64.82	28.935	15872.	0.000	LOW	0.000	16.28	21.47
13 7 53	28.61	64.11	28.592	15917.	0.000	LOW	0.000	16.27	21.56
13 7 58	32.21	63.21	29.130	16330.	0.000	LOW	0.000	16.25	21.70
13 8 3	31.25	64.29	29.032	16147.	0.000	LOW	0.000	16.26	21.70
13 40 8	30.29	65.54	28.543	15872.	0.000	LOW	0.000	16.25	21.58
13 8 13	29.81	64.38	28.837	15872.	0.000	LOW	0.000	16.25	21.70
13 8 18	29.81	64.29	29.130	15963.	0.000	LOW	0.000	16.27	21.76
13 8 23	30.29	64.38	28.983	16330.	0.000	LOW	0.000	16.27	21.70
13 8 28	30.77	65.18	28.935	15872.	0.000	LOW	0.000	16.27	21.64
13 8 33	30.29	64.38	29.081	15963.	0.000	LOW	0.000	16.27	21.67
13 8 38	29.33	63.21	29.032	16147.	0.000	LOW	0.000	16.25	21.64
13 8 43	29.57	61.88	29.032	16009.	0.000	LOW	0.000	16.26	21.70
13 48 48	29.33	63.75	29.032	15963.	0.000	LOW	0.000	16.26	21.47
13 8 53	29.57	64.38	29.081	15963.	0.000	LOW	0.000	16.26	21.58
13 8 58	19.23	64.82	28.739	16147.	0.000	LOW	0.000	16.26	21.64
13 9 3	24.76	64.82	28.739	16101.	0.000	LOW	0.000	16.26	21.70
13 49 8	30.29	65.36	28.837	15688.	0.000	LOW	0.000	16.26	21.64
13 9 13	29.57	64.29	28.837	15760.	0.000	LOW	0.000	16.25	21.70
13 9 23	30.29	60.36	29.130	16055.	0.000	LOW	0.000	16.26	21.76
13 9 28	30.65	60.09	28.983	16009.	0.000	LOW	0.000	16.26	21.73
13 9 28	30.77	62.50	28.935	16055.	0.000	LOW	0.000	16.26	21.64
13 9 33	30.29	62.23	28.837	16009.	0.000	LOW	0.000	16.25	21.67
13 9 38	29.81	62.86	28.837	15780.	0.000	LOW	0.000	16.26	21.70
13 9 43	30.29	62.50	28.886	15826.	0.000	LOW	0.000	16.26	21.67
13 49 48	26.92	63.04	29.130	15872.	0.000	LOW	0.000	16.26	21.70
13 9 53	28.13	61.79	29.081	15917.	0.000	LOW	0.000	16.26	21.58
13 9 59	30.29	62.32	29.130	15963.	0.000	LOW	0.000	16.26	21.47
13 10 4	30.53	62.66	28.788	15780.	0.000	LOW	0.000	16.26	21.56
13 10 9	30.29	60.16	29.130	15688.	0.000	LOW	0.000	16.26	21.64
13 10 22	30.29	61.61	28.983	15780.	0.000	LOW	0.000	16.26	21.64
13 10 19	29.33	61.25	28.837	15953.	0.000	LOW	0.000	16.26	21.70
13 10 24	29.33	61.25	28.788	15917.	0.000	LOW	0.000	16.27	21.67

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 10 29	29.33	62.86	29.032	16697.	0.000	LOW	0.000	16.26	21.70
13 10 34	29.57	62.86	28.983	15330.	0.000	LOW	0.000	16.26	21.70
13 10 39	30.29	61.79	28.739	15780.	0.000	LOW	0.000	16.25	21.64
13 10 44	30.85	61.52	28.935	15826.	0.000	LOW	0.000	16.25	21.67
13 10 49	29.33	60.89	29.032	16697.	0.000	LOW	0.000	16.26	21.70
13 10 54	29.33	61.34	28.935	16376.	0.000	LOW	0.000	16.25	21.70
13 11 43	29.33	61.96	29.130	15780.	0.000	LOW	0.000	16.25	21.70
13 51 48	29.09	61.70	28.983	15072.	0.000	LOW	0.000	16.25	21.70
13 11 53	29.81	61.43	28.739	15688.	0.000	LOW	0.000	16.26	21.70
13 51 58	29.57	61.43	28.788	15788.	0.000	LOW	0.000	16.27	21.61
13 12 3	28.85	62.14	28.739	15688.	0.000	LOW	0.000	16.26	21.70
13 52 8	31.01	62.14	28.788	15688.	0.000	LOW	0.000	16.25	21.67
13 12 13	19.23	61.87	28.739	15596.	0.000	LOW	0.000	16.26	21.70
13 12 18	25.24	61.43	28.739	15550.	0.000	LOW	0.000	16.26	21.67
13 12 23	28.85	57.68	28.935	15688.	0.000	LOW	0.000	16.25	21.76
13 12 28	29.09	59.64	28.886	15642.	0.000	LOW	0.000	16.26	21.73
13 12 33	29.33	61.79	28.739	15596.	0.000	LOW	0.000	16.26	21.58
13 12 38	29.09	56.88	28.837	15596.	0.000	LOW	0.000	16.26	21.53
13 12 43	29.33	58.36	28.935	15688.	0.000	LOW	0.000	16.25	21.70
13 52 48	28.13	26.88	28.983	15505.	0.000	LOW	0.000	16.26	21.67
13 12 53	29.33	3.57	28.739	15596.	0.000	LOW	0.000	16.27	21.64
13 12 58	29.33	3.57	28.788	15459.	0.000	LOW	0.000	16.26	21.64
13 13 3	29.33	2.32	28.739	14862.	0.000	LOW	0.000	16.26	21.70
13 13 9	29.09	2.59	28.495	15183.	0.000	LOW	0.000	16.52	21.70
13 13 14	29.81	100.00	28.543	15596.	0.000	LOW	0.000	16.25	21.70
13 13 19	29.09	100.00	28.739	15642.	0.000	LOW	0.000	16.25	21.58
13 13 24	28.85	100.00	28.837	15596.	0.000	LOW	0.000	16.26	21.70
13 13 29	28.61	100.00	28.886	15550.	0.000	LOW	0.000	16.26	21.73
13 13 34	27.40	100.00	28.446	15072.	0.000	LOW	0.000	16.22	21.94
13 13 39	28.61	100.00	28.495	15780.	0.000	LOW	0.000	16.23	21.85
13 13 44	30.29	86.07	29.326	15321.	0.000	LOW	0.000	16.26	21.64
13 13 49	30.77	*0000.00	29.228	15413.	0.000	LOW	0.000	16.25	21.70
13 13 54	30.77	LOW	29.228	15138.	0.000	LOW	0.000	16.28	21.47
13 13 59	30.53	LOW	28.983	15138.	0.000	LOW	0.000	16.65	21.44
13 14 4	27.88	0.00	28.055	15505.	0.000	LOW	0.000	16.26	21.76
13 14 9	27.64	*0000.00	28.299	15505.	0.000	LOW	0.000	16.25	21.73
13 14 14	28.85	0.00	28.641	15321.	0.000	LOW	0.000	16.29	21.58
13 14 19	28.85	*0000.00	28.495	15367.	0.000	LOW	0.000	16.28	21.67
13 14 24	27.40	0.00	28.250	15872.	0.000	LOW	0.000	16.23	21.94
13 14 29	30.05	*0000.00	28.495	15688.	0.000	LOW	0.000	16.25	21.85
13 14 34	28.85	LOW	28.739	15505.	0.000	LOW	0.000	16.25	21.58
13 14 39	28.85	LOW	28.641	15505.	0.000	LOW	0.000	16.25	21.61
13 14 44	29.81	LOW	29.130	15321.	0.000	LOW	0.000	16.25	21.70
13 14 49	29.57	*0000.00	29.032	15321.	0.000	LOW	0.000	16.25	21.70
13 14 54	28.37	1.96	28.739	15413.	0.000	LOW	0.000	16.25	21.70
13 14 59	28.37	2.23	28.592	15367.	0.000	LOW	0.000	16.25	21.70
13 15 12	29.81	2.14	28.739	15321.	0.000	LOW	0.000	16.27	21.70
13 15 14	29.33	2.14	28.788	15229.	0.000	LOW	0.000	16.26	21.70
13 15 19	28.37	86.79	28.446	15413.	0.000	LOW	0.000	16.24	22.29

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THRUTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
13 15 19	28.61	93.30	28.641	15321.	0.000	LOW	0.000	16.25	21.97
13 15 24	27.88	99.29	28.446	15138.	0.000	LOW	0.000	16.25	21.64
13 15 29	28.61	99.64	28.543	15183.	0.000	LOW	0.000	16.26	21.70
13 15 34	28.85	100.00	28.739	15229.	0.000	LOW	0.000	16.26	21.70
13 15 39	28.85	100.00	28.936	15275.	0.000	LOW	0.000	16.26	21.70
13 15 44	29.33	2.68	28.935	15321.	0.000	LOW	0.000	16.26	21.70
13 15 50	29.57	1.34	28.837	15275.	0.000	LOW	0.000	16.26	21.70
13 15 55	28.85	LOW	29.032	15505.	0.000	LOW	0.000	16.26	21.70
13 16 0	29.09	LOW	28.739	15367.	0.000	LOW	0.000	16.26	21.67
13 16 5	28.37	LOW	28.739	15138.	0.000	LOW	0.000	16.25	21.76
13 16 10	27.64	LOW	28.641	15229.	0.000	LOW	0.000	16.26	21.79
13 16 15	29.33	LOW	28.739	15138.	0.000	LOW	0.000	16.26	21.47
13 16 20	29.09	LOW	28.641	15138.	0.000	LOW	0.000	16.27	21.56
13 16 25	28.85	LOW	28.837	14862.	0.000	LOW	0.000	16.26	21.47
13 16 30	29.09	LOW	28.788	14862.	0.000	LOW	0.000	16.26	21.47
13 16 35	30.77	LOW	28.641	15138.	0.000	LOW	0.000	16.25	21.79
13 16 40	29.81	*0000.00	28.592	15092.	0.000	LOW	0.000	16.25	21.70
13 16 53	28.85	LOW	28.837	15138.	0.000	LOW	0.000	16.26	21.76
13 16 58	28.85	*0000.00	28.641	15138.	0.000	LOW	0.000	16.26	21.73
13 56 55	27.88	.89	28.837	15229.	0.000	LOW	0.000	16.25	21.70
13 17 0	28.37	1.61	28.837	15183.	0.000	LOW	0.000	16.25	21.67
13 17 5	28.85	1.25	28.543	15046.	0.000	LOW	0.000	16.26	21.70
13 17 10	28.85	1.78	28.592	14954.	0.000	LOW	0.000	16.26	21.70
13 17 15	29.81	99.46	28.446	15138.	0.000	LOW	0.000	16.25	21.70
13 17 20	29.57	99.73	28.592	15092.	0.000	LOW	0.000	16.26	21.67
13 17 25	29.33	99.82	29.521	15138.	0.000	LOW	0.000	16.26	21.64
13 17 30	29.09	99.91	29.130	15046.	0.000	LOW	0.000	16.25	21.67
13 17 35	29.33	100.00	28.739	14771.	0.000	LOW	0.000	16.26	21.70
13 17 40	28.61	100.00	28.788	14771.	0.000	LOW	0.000	16.26	21.70
13 17 50	28.85	LOW	28.837	14954.	0.000	LOW	0.000	16.25	21.64
13 17 55	29.33	LOW	28.788	14541.	0.000	LOW	0.000	16.25	21.64
13 17 55	28.85	0.00	28.837	14954.	0.000	LOW	0.000	16.25	21.64
13 18 0	28.61	0.00	29.032	14725.	0.000	LOW	0.000	16.26	21.64
13 18 5	28.85	LOW	28.543	15138.	0.000	LOW	0.000	16.26	21.64
13 18 10	28.85	LOW	28.543	15046.	0.000	LOW	0.000	16.25	21.64
13 18 15	28.85	0.00	28.739	15046.	0.000	LOW	0.000	16.26	21.64
13 18 20	28.61	*0000.00	28.592	13000.	0.000	LOW	0.000	16.26	21.67
13 18 26	28.85	LOW	28.543	14862.	0.000	LOW	0.000	16.26	21.64
13 18 31	28.85	LOW	28.592	14908.	0.000	LOW	0.000	16.26	21.64
13 18 36	28.37	LOW	28.739	15046.	0.000	LOW	0.000	16.26	21.64
13 18 41	28.13	LOW	28.837	15046.	0.000	LOW	0.000	16.26	21.64
13 18 46	29.33	LOW	28.641	14771.	0.000	LOW	0.000	16.26	21.53
13 18 51	29.33	*0000.00	28.641	14817.	0.000	LOW	0.000	16.26	21.61
13 18 56	28.85	57.32	28.935	14771.	0.000	LOW	0.000	16.25	21.70
13 19 1	28.85	57.41	28.935	14817.	0.000	LOW	0.000	16.25	21.70
13 19 6	29.33	58.04	28.837	14954.	0.000	LOW	0.000	16.26	21.58
13 19 11	29.09	58.13	28.641	14908.	0.000	LOW	0.000	16.44	21.64
13 19 16	29.33	58.21	29.228	14954.	0.000	LOW	0.000	16.25	21.64
13 19 21	28.85	57.95	28.886	14541.	0.000	LOW	0.000	16.25	21.64

TIME H/M/S	EC 03 TEMP RAM AI	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 19 26	29.33	57.14	28.543	14771.	0.000	LOW	0.000	16.25	21.70
13 22 24	28.37	73.75	28.543	14679.	0.000	LOW	8.644	16.25	21.67
13 22 34	32.21	90.00	28.641	14495.	0.000	LOW	33.410	16.25	21.88
13 22 34	30.53	90.27	28.543	14404.	0.000	LOW	33.449	16.26	21.76
13 22 39	28.37	90.71	28.543	14495.	0.000	LOW	34.111	16.25	21.47
13 22 44	28.61	90.36	28.495	14495.	0.000	LOW	33.877	16.25	21.56
13 22 49	28.85	90.89	28.641	14495.	0.000	LOW	33.955	16.25	21.64
13 22 54	28.85	90.00	28.543	14817.	0.000	LOW	33.838	16.25	21.67
13 22 59	27.88	90.71	28.543	14587.	0.000	LOW	33.488	16.25	21.70
13 23 4	27.88	90.98	28.592	14541.	0.000	LOW	33.410	16.25	21.67
13 23 10	27.40	91.07	28.543	14495.	0.000	LOW	20.871	16.26	21.70
13 23 15	27.64	90.62	28.543	14312.	0.000	LOW	18.224	16.26	21.67
13 23 20	26.92	90.18	28.543	14495.	0.000	LOW	0.000	16.26	21.70
13 23 25	27.88	90.09	28.495	14541.	0.000	LOW	0.000	16.25	21.70
13 23 30	28.37	90.54	28.641	14495.	0.000	LOW	6.114	16.25	21.70
13 23 35	28.13	90.54	28.690	14495.	0.000	LOW	18.991	16.25	21.73
13 23 40	27.88	91.07	28.641	14587.	0.000	LOW	.935	16.26	21.64
13 23 45	28.13	90.71	28.543	14495.	0.000	LOW	3.466	16.25	21.67
13 23 50	27.40	91.07	28.739	14587.	0.000	LOW	18.981	16.26	21.70
13 23 55	27.68	91.07	28.739	14541.	0.000	LOW	13.979	*0000.00	21.73
13 24 0	28.37	91.25	28.348	14495.	0.000	LOW	22.117	16.26	21.64
13 24 5	28.37	90.98	28.397	14679.	0.000	LOW	24.960	16.25	21.58
13 24 10	28.37	90.71	28.739	14128.	0.000	LOW	33.488	16.26	21.47
13 24 15	28.37	90.63	28.690	14404.	0.000	LOW	33.994	16.26	21.56
13 24 20	28.85	91.61	28.543	14495.	0.000	LOW	34.500	16.27	21.54
13 24 25	28.61	90.36	28.299	14587.	0.000	LOW	32.981	16.27	21.67
13 24 30	28.37	90.36	28.543	14495.	0.000	LOW	24.298	LOW	21.70
13 24 35	28.37	90.54	28.495	14495.	0.000	LOW	22.351	*0000.00	21.58
13 24 40	28.37	91.07	28.543	14587.	0.000	LOW	15.838	16.26	21.04
13 24 45	27.88	90.45	28.543	14450.	0.000	LOW	12.344	16.26	21.70
13 24 50	27.88	91.79	28.739	14495.	0.000	LOW	4.439	16.25	21.64
13 24 55	28.13	91.25	28.690	14541.	0.000	LOW	13.647	16.25	21.57
13 25 0	28.37	90.00	28.348	14495.	0.000	LOW	12.956	16.27	21.70
13 25 10	28.37	90.36	28.348	14450.	0.000	LOW	0.152	16.27	21.70
13 25 15	28.37	90.89	28.739	14495.	0.000	LOW	0.000	16.26	21.64
13 25 23	28.37	90.98	28.690	14450.	0.000	LOW	0.000	16.26	21.64
13 25 20	26.92	91.07	28.739	15321.	0.000	LOW	0.000	25.67	21.64
13 25 25	27.88	90.71	28.592	14908.	0.000	LOW	0.000	34.16	21.64
13 25 30	28.37	91.07	28.641	14220.	0.000	LOW	0.000	60.93	21.70
13 25 35	28.37	90.80	28.592	14174.	0.000	LOW	0.000	66.14	21.73
13 25 40	28.37	90.71	28.641	14220.	0.000	LOW	0.000	71.17	21.64
13 25 46	28.37	90.63	28.543	14220.	0.000	LOW	0.000	71.84	21.64
13 25 51	28.37	90.36	28.446	14220.	0.000	LOW	0.000	71.89	21.47
13 25 56	28.37	90.45	28.446	14174.	0.000	LOW	0.000	71.30	21.58
13 26 1	27.88	90.71	28.739	14220.	0.000	LOW	0.000	71.17	21.64
13 26 6	27.88	90.71	28.543	14220.	0.000	LOW	0.000	71.89	21.64
13 26 11	28.85	90.89	28.543	13394.	0.000	LOW	0.000	67.75	21.70
13 26 16	28.37	90.36	28.641	13761.	0.000	LOW	0.000	59.67	21.70
13 26 21	27.88	90.54	28.250	14220.	0.000	LOW	0.000	38.51	21.64

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE _/MENG	PR 06 POSITN THROTL L/MENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 26 26	28.13	90.63	28.495	14220.	0.000	LOW	0.000	31.39	21.67
13 26 31	32.21	91.61	28.543	14037.	0.000	LOW	0.000	16.26	21.76
13 26 36	30.29	90.80	28.641	14083.	0.000	LOW	0.000	16.26	21.76
13 26 41	28.37	91.61	28.739	14220.	0.000	LOW	0.000	16.26	21.64
13 26 46	28.13	91.16	28.690	14266.	0.000	LOW	0.000	16.27	21.67
13 49 8	25.00	90.71	27.859	13670.	0.000	LOW	0.000	16.26	21.68
13 49 13	25.72	90.63	27.810	13165.	0.000	LOW	0.000	16.25	21.91
13 49 18	28.65	89.46	28.446	13670.	0.000	LOW	0.000	16.24	21.76
13 49 23	29.09	88.84	28.641	13394.	0.000	LOW	0.000	16.25	21.79
13 49 28	29.33	88.39	29.130	12752.	0.000	LOW	0.000	16.28	21.47
13 49 33	28.85	89.73	28.641	12902.	0.000	LOW	0.000	16.27	21.58
13 49 38	28.85	88.39	28.739	13303.	0.000	LOW	0.000	16.25	21.53
13 49 43	29.09	88.66	28.788	13119.	0.000	LOW	0.000	16.26	21.53
13 49 48	27.48	91.61	28.348	13028.	0.000	LOW	0.000	16.29	21.47
13 49 53	26.44	91.34	28.348	13119.	0.000	LOW	0.000	16.28	21.56
13 49 58	27.88	88.93	28.641	13028.	0.000	LOW	0.000	16.45	21.41
13 50 3	27.88	90.88	28.446	13073.	0.000	LOW	0.000	16.37	21.47
13 50 8	25.48	90.71	27.468	13394.	0.000	0.00	0.000	16.26	21.76
13 50 18	25.24	91.16	27.566	13532.	0.000	*0000.00	0.000	16.36	21.14
13 50 18	25.48	90.36	28.055	13761.	0.000	LOW	0.000	16.22	21.94
13 50 23	25.72	91.16	27.908	13624.	0.000	LOW	0.000	16.24	21.91
13 50 28	26.92	91.96	28.250	13670.	0.000	LOW	0.000	16.24	21.83
13 50 33	27.64	91.87	28.348	13532.	0.000	LOW	0.000	16.25	21.79
13 50 38	28.85	90.00	28.543	13028.	0.000	LOW	0.000	16.28	21.53
13 50 43	28.37	89.46	28.641	13028.	0.000	LOW	0.000	16.28	21.41
13 50 48	28.37	88.57	28.446	13394.	0.000	LOW	0.000	16.27	21.58
13 50 54	28.61	88.75	28.641	13165.	.009	LOW	0.000	16.28	21.61
13 50 59	30.29	90.89	28.739	12844.	0.000	LOW	0.000	16.45	21.47
13 51 4	29.09	91.16	28.397	12936.	0.000	LOW	0.000	16.37	21.50
13 51 9	26.44	92.86	27.664	13394.	0.000	LOW	0.000	16.27	21.70
13 51 14	27.16	92.32	28.299	13211.	0.000	LOW	0.000	16.28	21.61
13 51 19	26.92	92.86	28.355	13119.	0.000	LOW	0.000	16.28	21.76
13 51 24	25.96	92.86	27.908	13303.	0.000	LOW	0.000	16.27	21.82
13 51 29	25.96	91.43	28.055	13670.	0.000	LOW	0.000	16.24	21.68
14 3 13	25.48	91.34	28.250	13211.	0.000	LOW	0.000	16.25	21.79
14 3 18	27.40	90.71	28.250	12752.	0.000	LOW	0.000	16.26	21.64
14 3 23	27.40	91.52	28.201	12706.	0.000	LOW	0.000	16.25	21.64
14 3 33	27.40	91.79	28.348	12661.	0.000	LOW	0.000	16.26	21.73
14 3 33	27.16	91.16	28.348	12661.	0.000	LOW	0.000	16.25	21.70
14 3 43	27.40	91.96	28.055	12661.	0.000	LOW	0.000	16.26	21.64
14 3 43	27.64	90.54	28.055	12661.	0.000	LOW	0.000	16.25	21.61
14 43 48	26.44	91.61	28.152	12569.	0.000	LOW	0.000	16.26	21.64
14 3 53	26.92	92.05	28.250	12615.	0.000	LOW	0.000	16.27	21.64
14 43 58	27.40	91.96	28.348	12752.	0.000	LOW	0.000	16.26	21.64
14 4 3	23.32	91.52	28.348	12752.	0.000	LOW	0.000	16.25	21.70
14 4 8	27.88	93.04	28.355	12661.	0.000	LOW	0.000	16.25	21.64
14 4 14	27.64	91.88	28.055	12661.	0.000	LOW	0.000	16.26	21.64
14 4 19	28.37	92.68	28.446	12661.	0.000	LOW	0.000	16.26	22.23
14 4 24	27.68	92.23	28.348	12569.	0.000	LOW	0.000	16.26	21.91

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
14 4 29	26.44	91.43	28.855	12752.	0.000	LOW	0.000	16.26	22.19
14 4 34	26.44	91.79	28.006	12706.	0.000	LOW	0.000	16.26	21.83
14 4 39	27.40	91.07	28.250	12569.	0.000	LOW	0.000	16.25	21.78
14 4 44	27.40	91.25	28.104	12477.	0.000	LOW	0.000	16.25	21.78
14 4 49	26.92	92.86	27.957	12385.	0.000	LOW	0.000	16.25	21.76
14 4 54	27.40	92.14	27.957	12339.	0.000	LOW	0.000	16.25	21.64
14 4 59	19.23	91.25	27.273	11560.	.009	LOW	0.000	16.25	21.53
14 5 4	23.08	91.52	27.810	11972.	.013	LOW	0.000	16.26	21.61
14 5 9	27.40	92.14	28.348	12294.	.018	LOW	0.000	16.28	21.79
14 5 14	27.16	92.32	28.348	12110.	.018	LOW	0.000	16.28	21.67
14 5 19	26.92	91.79	28.055	12385.	.018	LOW	0.000	16.27	21.64
14 5 24	25.00	92.05	28.250	12294.	.009	LOW	0.000	16.26	21.67
14 5 29	27.40	92.14	28.348	12202.	.027	LOW	0.000	16.26	21.70
14 5 34	27.46	91.34	28.348	12156.	.031	LOW	0.000	16.26	21.95
14 5 39	27.40	92.14	28.446	12385.	.018	LOW	0.000	16.26	21.64
14 5 44	27.40	91.96	28.299	12477.	.009	LOW	0.000	16.26	21.56
14 5 49	27.40	91.07	28.348	12202.	.036	LOW	0.000	16.26	21.64
14 5 54	27.40	91.25	28.299	12156.	.031	LOW	0.000	16.26	21.64
14 5 59	26.92	91.87	28.250	12018.	0.000	LOW	0.000	16.25	21.73
14 6 9	26.92	90.80	28.446	12064.	0.000	LOW	0.000	16.25	21.70
14 6 9	27.40	92.86	28.348	12202.	0.000	LOW	0.000	16.26	21.76
14 6 19	27.16	91.70	28.397	12202.	0.000	LOW	0.000	16.26	21.70
14 6 19	27.40	91.79	28.348	12018.	0.000	LOW	0.000	16.25	21.70
14 6 24	27.40	92.14	28.397	12064.	0.000	LOW	0.000	16.25	21.70
14 16 29	26.92	90.54	28.055	12202.	0.000	LOW	0.000	16.27	21.70
14 14 36	26.92	91.87	28.250	11972.	0.000	LOW	0.000	16.26	21.76
14 14 41	26.92	90.89	28.348	11835.	0.000	LOW	0.000	16.27	21.53
14 14 46	27.16	91.87	28.446	11743.	0.000	LOW	0.000	16.27	21.58
14 14 51	26.92	90.36	28.446	11835.	0.000	LOW	0.000	16.25	21.64
14 15 1	26.92	91.25	28.446	11743.	0.000	LOW	0.000	16.25	21.64
14 15 1	27.40	92.14	28.055	11743.	0.000	LOW	0.000	16.25	21.64
14 15 11	26.92	91.25	28.201	11743.	0.000	LOW	0.000	16.25	21.64
14 15 11	27.40	92.14	28.055	11835.	0.000	LOW	0.000	16.27	21.70
14 15 16	27.40	92.41	28.055	11697.	0.000	LOW	0.000	16.26	21.64
14 15 21	26.44	90.71	27.664	11743.	0.000	LOW	0.000	16.26	21.64
14 15 26	26.92	91.79	27.859	11789.	0.000	LOW	0.000	16.26	21.64
14 15 31	27.40	90.54	28.446	11651.	0.000	LOW	0.000	16.26	21.70
14 15 36	27.16	91.52	28.690	11651.	0.000	LOW	0.000	16.26	21.73
14 15 42	26.92	91.96	28.152	11560.	0.000	LOW	0.000	16.26	21.58
14 15 47	27.16	92.32	28.250	11606.	0.000	LOW	0.000	16.26	21.64
14 15 52	26.44	90.89	28.152	11835.	0.000	LOW	.146	16.26	21.64
14 17 19	27.16	91.34	28.201	11651.	0.000	LOW	.073	16.27	49.23
14 17 24	26.92	90.36	28.446	11651.	0.000	LOW	0.000	16.27	35.42
14 17 29	27.16	90.62	28.250	11560.	0.000	LOW	0.000	16.27	17.66
14 17 34	27.40	92.50	28.152	11651.	0.000	LOW	0.000	16.26	43.37
14 17 39	27.64	92.59	28.055	11560.	0.000	LOW	0.000	16.25	21.68
14 17 44	26.92	91.79	27.664	11651.	0.000	LOW	0.000	16.26	44.23
14 17 49	27.40	91.52	27.859	11606.	0.000	LOW	0.000	16.25	22.11
14 17 54	27.40	91.96	27.957	11376.	0.000	LOW	0.000	16.27	72.02

TIME H/M/S 02	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 85 POSITN NOZZLE -/HENG	PR 86 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
14 17 59	27.64	90.54	28.006	11460.	0.000	LOW	0.000	16.27	74.46
14 18 4	26.44	91.07	28.152	11560.	0.000	LOW	0.000	16.26	21.70
14 18 9	26.68	91.43	28.201	11606.	0.006	LOW	0.000	16.26	21.70
14 18 14	27.40	92.60	29.032	11468.	0.000	LOW	0.000	16.27	21.70
14 18 19	27.48	92.68	28.641	11514.	0.000	LOW	0.000	16.26	21.73
14 32 7	26.92	92.50	28.348	11809.	0.000	LOW	0.000	16.26	21.76
14 32 13	26.92	91.08	28.104	10734.	0.000	LOW	0.000	16.28	21.64
14 32 18	25.96	91.07	28.250	13459.	.027	LOW	0.000	16.28	21.47
14 32 23	25.72	90.62	28.104	10505.	.018	LOW	0.000	16.27	21.58
14 32 28	25.96	89.82	28.348	10459.	.009	LOW	0.000	16.27	21.64
14 32 33	26.28	91.34	28.250	10413.	.018	LOW	0.000	16.27	21.64
14 32 39	26.92	91.43	28.152	10275.	.027	LOW	0.000	16.26	21.76
14 32 44	25.68	90.88	28.104	10229.	.013	LOW	0.000	16.26	21.79
14 32 49	26.92	90.54	28.250	10826.	0.000	LOW	0.000	16.25	21.82
14 32 54	27.16	90.89	28.201	10558.	0.000	LOW	0.000	16.26	21.79
14 32 59	27.40	90.89	28.250	10558.	0.000	LOW	0.000	16.27	21.76
14 33 4	27.16	91.43	28.152	10505.	0.000	LOW	0.000	16.27	21.73
14 33 9	27.40	91.07	28.152	10459.	0.000	LOW	0.000	16.26	21.76
14 33 14	27.40	91.07	28.201	10459.	0.000	LOW	0.000	16.25	21.79

C COMMUTATOR

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
13 1 1	489.	.16	149.	15.00	0.00	93.	95.	97.	92.	98.	92.	90.	105.
13 1 12	489.	.17	149.	15.00	.00	92.	96.	96.	95.	97.	91.	97.	104.
13 1 17	756.	-.01	139.	15.00	-.02	90.	90.	90.	95.	90.	90.	99.	108.
13 1 22	444.	.10	147.	15.00	-.02	89.	96.	91.	96.	97.	91.	101.	108.
13 1 27	44.	.21	147.	15.00	-.03	91.	97.	91.	94.	97.	92.	100.	109.
13 1 32	311.	.16	141.	15.00	-.02	92.	97.	91.	92.	97.	92.	101.	109.
13 1 32	400.	.16	147.	15.00	.00	92.	95.	95.	91.	97.	92.	98.	104.
13 1 38	486.	.16	148.	15.00	.04	91.	97.	93.	93.	97.	92.	101.	106.
13 41 48	222.	.16	147.	15.00	-.02	91.	95.	96.	92.	98.	93.	97.	105.
13 1 53	-44.	.16	148.	15.00	-.01	91.	96.	96.	93.	97.	93.	96.	104.
13 41 58	756.	.12	151.	15.00	-.01	90.	97.	93.	90.	97.	91.	97.	106.
13 41 58	622.	.16	146.	15.00	-.02	90.	97.	91.	96.	97.	92.	96.	107.
13 2 3	311.	.13	141.	15.00	0.00	92.	99.	94.	90.	95.	92.	101.	106.
13 42 8	533.	.12	145.	15.00	.01	92.	98.	95.	92.	95.	92.	99.	104.
13 2 13	578.	-.01	136.	15.00	-.00	91.	97.	91.	95.	95.	90.	98.	107.
13 2 18	622.	.08	142.	15.00	-.02	91.	98.	91.	94.	96.	90.	100.	108.
13 2 23	400.	.12	146.	15.00	-.03	92.	100.	93.	91.	97.	93.	101.	106.
13 4 6	533.	.15	141.	15.00	.01	93.	98.	95.	91.	97.	92.	100.	105.
13 4 11	1022.	.45	280.	15.00	0.00	94.	99.	93.	92.	96.	93.	95.	105.
13 4 11	844.	.48	286.	15.00	.00	94.	99.	95.	93.	97.	92.	95.	104.
13 4 16	133.	.43	299.	15.00	-.00	92.	99.	93.	99.	95.	91.	99.	107.
13 4 21	400.	.36	307.	15.00	-.00	94.	99.	94.	96.	96.	91.	100.	104.
13 4 26	489.	.37	290.	15.00	-.01	93.	97.	97.	96.	96.	91.	94.	105.
13 4 31	578.	.36	288.	15.00	-.01	93.	97.	95.	96.	95.	91.	99.	106.
13 4 44	667.	.43	278.	15.00	-.02	93.	98.	92.	91.	98.	91.	101.	107.
13 4 42	711.	.39	281.	15.00	-.02	94.	97.	95.	93.	97.	91.	96.	105.
13 4 47	489.	.22	288.	15.00	-.02	95.	98.	95.	98.	97.	91.	97.	101.
13 4 52	311.	.29	289.	15.00	-.01	94.	98.	94.	96.	96.	91.	100.	105.
13 4 65	400.	.43	284.	15.00	0.00	95.	98.	97.	95.	97.	91.	95.	103.
13 5 2	311.	.44	281.	15.00	-.01	95.	98.	97.	97.	96.	92.	96.	104.
13 5 7	311.	.38	303.	15.00	-.02	95.	97.	96.	99.	95.	91.	97.	95.
13 5 12	400.	.43	294.	15.00	-.01	96.	97.	97.	99.	96.	92.	97.	100.
13 5 17	489.	.32	288.	15.00	-.02	95.	99.	95.	101.	95.	92.	97.	105.
13 5 22	622.	.38	285.	15.00	0.00	95.	99.	94.	99.	96.	92.	99.	106.
13 5 27	400.	.35	293.	15.00	-.01	94.	97.	92.	97.	96.	91.	100.	106.
13 5 32	533.	.38	283.	15.00	-.02	94.	97.	91.	96.	96.	91.	102.	107.
13 5 37	489.	.34	279.	15.00	0.00	97.	98.	92.	94.	97.	92.	102.	106.
13 5 42	622.	.42	286.	15.00	.01	97.	98.	92.	93.	96.	91.	101.	106.
13 5 47	400.	.50	309.	15.00	.04	97.	97.	97.	93.	97.	90.	98.	105.
13 5 52	489.	.45	291.	15.00	.01	97.	96.	98.	94.	97.	91.	95.	103.
13 5 57	400.	.43	268.	15.00	-.02	95.	98.	98.	99.	97.	93.	95.	100.
13 6 7	267.	.44	269.	15.00	-.01	96.	97.	98.	99.	93.	93.	95.	97.
13 6 7	222.	.41	269.	15.00	.00	97.	98.	95.	91.	97.	93.	101.	106.
13 6 12	267.	.40	265.	15.00	.00	97.	99.	96.	92.	97.	93.	100.	105.
13 6 17	489.	.43	283.	15.00	-.01	95.	97.	93.	95.	97.	92.	101.	108.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
13 6 22	400.	.39	283.	15.00	-.00	95.	98.	94.	95.	97.	93.	101.	107.
13 6 27	489.	.45	279.	15.00	0.00	95.	96.	96.	96.	99.	94.	99.	106.
13 6 37	400.	.43	281.	15.00	.00	95.	97.	95.	95.	98.	92.	101.	107.
13 6 42	133.	.41	279.	15.00	-.02	98.	99.	95.	93.	97.	93.	99.	105.
13 6 47	311.	.38	283.	15.00	-.01	97.	98.	96.	96.	96.	93.	99.	106.
13 6 47	489.	.41	305.	15.00	-.00	99.	97.	100.	95.	100.	95.	94.	103.
13 6 52	400.	.42	297.	15.00	.03	98.	97.	97.	96.	100.	95.	98.	105.
13 6 57	400.	.34	304.	15.00	0.00	96.	97.	94.	95.	96.	93.	100.	108.
13 7 2	311.	.37	311.	15.00	0.00	97.	97.	97.	98.	96.	93.	98.	104.
13 7 7	578.	.45	356.	15.00	-.04	98.	99.	98.	99.	95.	93.	96.	105.
13 7 12	444.	.65	370.	15.00	-.03	98.	100.	98.	98.	96.	93.	97.	105.
13 7 18	133.	.81	413.	15.00	.01	96.	96.	98.	93.	98.	90.	95.	98.
13 7 23	311.	.78	427.	15.00	.00	96.	96.	92.	96.	95.	98.	92.	95.
13 7 28	44.	.85	467.	15.00	.01	95.	84.	95.	93.	95.	88.	88.	85.
13 7 33	178.	.88	468.	15.00	.01	95.	98.	95.	93.	94.	87.	82.	83.
13 7 38	311.	.75	488.	15.00	0.00	91.	91.	94.	99.	91.	84.	78.	78.
13 7 43	444.	.62	487.	15.00	0.00	91.	91.	91.	95.	92.	84.	88.	79.
13 7 48	756.	.62	489.	15.00	.00	88.	91.	88.	91.	91.	82.	81.	80.
13 7 53	444.	.54	491.	15.00	.01	87.	92.	87.	89.	91.	81.	88.	79.
13 7 58	756.	.63	496.	15.00	0.00	86.	91.	85.	98.	91.	80.	79.	79.
13 8 3	711.	.54	502.	15.00	.00	87.	91.	88.	91.	91.	88.	75.	76.
13 48 8	667.	.56	498.	15.00	0.00	85.	88.	86.	88.	92.	79.	76.	73.
13 8 13	489.	.59	503.	15.00	-.00	84.	98.	85.	89.	91.	77.	75.	75.
13 8 18	400.	.26	474.	15.00	0.00	74.	98.	84.	87.	91.	78.	71.	75.
13 8 23	578.	.37	484.	15.00	-.01	78.	89.	84.	98.	91.	77.	73.	77.
13 8 28	667.	.44	488.	15.00	-.02	84.	98.	84.	92.	98.	74.	76.	81.
13 8 33	489.	.42	394.	15.00	-.01	83.	92.	83.	92.	98.	76.	77.	82.
13 8 43	667.	.51	349.	15.00	-.01	82.	95.	86.	84.	93.	78.	88.	81.
13 8 43	667.	.49	343.	15.00	-.02	84.	95.	87.	87.	92.	78.	77.	79.
13 48 48	756.	.44	338.	15.00	-.01	85.	92.	87.	86.	98.	76.	78.	76.
13 8 53	888.	.48	329.	15.00	-.02	85.	91.	87.	86.	91.	78.	77.	77.
13 8 58	489.	.44	328.	15.00	-.00	84.	93.	83.	91.	98.	79.	78.	80.
13 9 3	356.	.46	317.	15.00	0.00	85.	91.	85.	92.	96.	78.	76.	78.
13 9 13	311.	.53	314.	15.00	-.01	88.	92.	88.	99.	93.	88.	73.	77.
13 9 18	356.	.47	313.	15.00	-.01	88.	91.	88.	88.	92.	79.	74.	77.
13 9 23	311.	.53	279.	15.00	-.02	85.	98.	82.	91.	89.	81.	78.	81.
13 9 28	533.	.48	294.	15.00	-.01	86.	98.	84.	98.	89.	79.	75.	78.
13 9 28	133.	.47	318.	15.00	-.01	84.	98.	88.	91.	88.	78.	82.	81.
13 9 33	267.	.50	309.	15.00	-.01	86.	89.	83.	91.	89.	79.	73.	78.
13 9 38	222.	.56	303.	15.00	-.02	87.	89.	79.	85.	89.	88.	88.	78.
13 9 43	-222.	.54	298.	15.00	-.03	86.	89.	88.	88.	81.	79.	79.	79.
13 49 48	667.	.53	303.	15.00	-.01	88.	89.	88.	88.	88.	78.	73.	75.
13 9 53	578.	.48	304.	15.00	-.00	85.	98.	84.	88.	98.	78.	77.	78.
13 9 59	311.	.48	303.	15.00	-.04	86.	88.	87.	88.	91.	79.	78.	75.
13 10 4	533.	.45	302.	15.00	-.04	89.	89.	87.	88.	91.	79.	78.	75.
13 10 9	311.	.59	305.	15.00	-.02	84.	98.	79.	91.	91.	79.	78.	75.
13 10 22	533.	.52	304.	15.00	-.01	86.	89.	83.	98.	91.	79.	80.	88.
13 10 19	667.	.47	301.	15.00	.00	87.	89.	82.	84.	98.	78.	75.	77.
13 10 24	356.	.49	300.	15.00	-.04	85.	87.	81.	87.	98.	77.	76.	78.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
13 10 29	222.	.45	294.	15.00	.01	86.	86.	85.	90.	90.	77.	53.	74.
13 10 34	933.	.51	294.	15.00	.00	87.	88.	84.	87.	91.	75.	64.	75.
13 10 39	133.	.50	303.	15.00	0.00	84.	90.	88.	84.	87.	76.	77.	80.
13 10 44	311.	.48	306.	15.00	-.00	84.	89.	81.	89.	88.	77.	74.	78.
13 10 49	133.	.50	306.	15.00	-.02	86.	88.	85.	86.	91.	77.	70.	72.
13 10 54	178.	.48	304.	15.00	-.01	86.	88.	85.	86.	91.	77.	71.	73.
13 11 43	44.	.73	319.	15.00	.00	84.	88.	85.	87.	89.	76.	67.	68.
13 51 48	356.	.73	335.	15.00	0.00	83.	88.	85.	88.	85.	75.	66.	65.
13 51 58	667.	.69	363.	15.00	.03	81.	80.	78.	80.	86.	73.	63.	67.
13 12 3	667.	.73	361.	15.00	.03	81.	86.	79.	85.	87.	72.	64.	64.
13 12 8	311.	.72	401.	15.00	-.02	78.	87.	78.	87.	85.	65.	56.	61.
13 52 8	-178.	.76	407.	15.00	-.00	78.	86.	79.	87.	85.	67.	57.	60.
13 12 13	489.	.63	416.	15.00	.04	78.	86.	81.	74.	84.	63.	60.	53.
13 12 18	400.	.67	420.	15.00	.02	77.	85.	79.	77.	85.	66.	61.	56.
13 12 28	133.	.59	440.	15.00	0.00	78.	84.	78.	78.	85.	67.	58.	57.
13 12 33	444.	.57	439.	15.00	.02	77.	84.	77.	79.	85.	68.	58.	56.
13 12 38	756.	.62	457.	15.00	.01	76.	84.	82.	78.	84.	66.	56.	54.
13 12 38	578.	.59	460.	15.00	.00	75.	85.	81.	80.	84.	66.	53.	54.
13 12 43	667.	.72	479.	15.00	-.01	73.	84.	76.	84.	84.	69.	56.	54.
13 52 48	889.	.67	471.	15.00	-.02	73.	84.	75.	82.	84.	68.	58.	56.
13 12 53	400.	.59	473.	15.00	.00	74.	82.	78.	77.	84.	66.	53.	53.
13 12 58	444.	.60	472.	15.00	.01	73.	82.	79.	78.	84.	66.	52.	52.
13 13 3	667.	.56	476.	15.00	.01	73.	82.	73.	76.	85.	53.	58.	58.
13 13 9	667.	.51	476.	15.00	-.00	72.	83.	73.	78.	84.	59.	56.	57.
13 13 14	844.	.57	468.	15.00	-.00	73.	78.	73.	74.	84.	66.	59.	56.
13 13 19	489.	.59	462.	15.00	-.00	72.	78.	76.	75.	84.	66.	56.	54.
13 13 24	1022.	.51	464.	15.00	-.02	69.	84.	73.	78.	82.	65.	58.	57.
13 13 29	667.	.54	469.	15.00	-.01	71.	83.	74.	75.	83.	66.	58.	57.
13 13 34	133.	.54	462.	15.00	-.02	71.	84.	76.	80.	82.	68.	55.	56.
13 13 39	444.	.55	468.	15.00	-.01	71.	85.	75.	81.	82.	68.	58.	59.
13 13 44	-44.	.57	477.	15.00	-.00	73.	85.	80.	74.	86.	70.	59.	61.
13 13 49	89.	.70	476.	15.00	-.00	72.	85.	78.	75.	85.	69.	59.	61.
13 13 54	LOW	.63	459.	15.00	-.04	71.	86.	74.	76.	84.	69.	65.	63.
13 13 59	*737856.	.63	465.	15.00	-.01	72.	84.	77.	75.	88.	70.	68.	61.
13 14 4	667.	.65	471.	15.00	.01	74.	82.	80.	77.	82.	69.	56.	56.
13 14 9	578.	.63	472.	15.00	.01	73.	83.	77.	79.	81.	69.	58.	58.
13 14 14	667.	.66	472.	15.00	.01	73.	82.	78.	75.	84.	69.	59.	58.
13 14 19	711.	.63	477.	15.00	.02	58.	83.	76.	75.	83.	70.	62.	62.
13 14 24	-667.	.67	439.	15.00	-.01	74.	84.	81.	81.	84.	73.	64.	69.
13 14 34	-267.	.66	459.	15.00	.03	75.	85.	82.	78.	86.	75.	66.	71.
13 14 34	222.	.57	465.	15.00	.03	78.	90.	81.	77.	90.	74.	76.	80.
13 14 39	489.	.62	472.	15.00	.01	79.	89.	83.	77.	90.	78.	78.	81.
13 14 44	667.	.50	471.	15.00	.00	83.	93.	83.	78.	91.	84.	87.	91.
13 14 49	533.	.66	477.	15.00	.01	83.	92.	83.	80.	91.	82.	88.	90.
13 14 54	400.	.45	472.	15.00	-.00	84.	90.	87.	86.	87.	84.	79.	85.
13 15 4	489.	.55	477.	15.00	.00	84.	89.	87.	84.	87.	83.	79.	83.
13 15 9	222.	.57	477.	15.00	0.00	84.	88.	84.	88.	85.	81.	82.	82.
13 15 14	356.	.54	479.	15.00	-.01	83.	88.	83.	82.	85.	80.	82.	83.
13 15 19	756.	.50	460.	15.00	0.00	82.	84.	85.	86.	85.	79.	71.	78.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
08													
13 15 19	756.	.51	467.	15.00	.00	82.	86.	86.	84.	86.	78.	72.	77.
13 15 24	578.	.50	472.	15.00	-.00	93.	88.	80.	79.	87.	77.	81.	88.
13 15 29	533.	.51	472.	15.00	-.00	81.	88.	81.	82.	86.	78.	81.	88.
13 15 34	400.	.45	473.	15.00	-.01	79.	88.	81.	85.	86.	78.	76.	88.
13 15 39	311.	.48	474.	15.00	.00	80.	88.	84.	85.	86.	77.	75.	77.
13 15 44	1022.	.48	471.	15.00	.04	82.	88.	85.	84.	88.	79.	73.	76.
13 15 50	667.	.64	472.	15.00	.02	82.	88.	87.	83.	88.	78.	78.	74.
13 15 55	489.	.57	471.	15.00	.01	80.	86.	86.	85.	86.	77.	71.	73.
13 16 0	489.	.51	471.	15.00	.00	81.	86.	86.	85.	85.	76.	69.	72.
13 16 5	133.	.62	476.	15.00	.11	80.	86.	84.	84.	82.	73.	67.	69.
13 16 10	222.	.57	477.	15.00	.05	78.	86.	84.	82.	84.	73.	67.	69.
13 16 15	400.	.48	471.	15.00	-.01	78.	84.	83.	78.	84.	72.	71.	68.
13 16 20	444.	.50	472.	15.00	-.00	79.	84.	84.	77.	85.	74.	71.	70.
13 16 25	311.	.53	479.	15.00	.02	75.	90.	81.	77.	87.	78.	78.	80.
13 16 30	356.	.50	474.	15.00	0.00	76.	90.	80.	79.	87.	79.	81.	84.
13 16 35	933.	.65	484.	15.00	.00	80.	93.	82.	85.	88.	74.	84.	91.
13 16 40	667.	.59	479.	15.00	.01	82.	94.	78.	85.	89.	80.	85.	91.
13 16 53	489.	.59	477.	15.00	-.03	83.	95.	85.	83.	90.	91.	99.	101.
13 16 58	400.	.71	479.	15.00	-.00	83.	96.	85.	86.	90.	90.	97.	98.
13 56 55	489.	.56	473.	15.00	.03	80.	93.	91.	90.	90.	84.	86.	90.
13 17 0	400.	.56	475.	15.00	.01	80.	93.	89.	86.	89.	79.	88.	90.
13 17 10	756.	.65	469.	15.00	-.01	84.	90.	86.	86.	80.	86.	93.	91.
13 17 10	667.	.61	476.	15.00	.01	84.	87.	84.	80.	86.	86.	89.	90.
13 17 15	844.	.45	476.	15.00	-.01	86.	90.	85.	87.	86.	84.	90.	88.
13 17 20	622.	.49	477.	15.00	-.01	85.	84.	83.	80.	85.	84.	87.	87.
13 17 25	667.	.57	468.	15.00	-.00	82.	90.	84.	88.	84.	80.	86.	86.
13 17 30	667.	.59	474.	15.00	-.01	82.	89.	83.	89.	85.	81.	84.	88.
13 17 40	844.	.53	464.	15.00	-.01	83.	90.	82.	86.	88.	82.	81.	84.
13 17 45	533.	.54	463.	15.00	-.01	83.	89.	82.	87.	86.	82.	84.	85.
13 17 50	578.	.54	473.	15.00	-.00	82.	90.	82.	89.	84.	82.	84.	84.
13 17 55	489.	.50	474.	15.00	.00	81.	90.	82.	89.	85.	81.	82.	82.
13 17 59	133.	.59	472.	15.00	0.00	83.	90.	80.	88.	86.	80.	76.	77.
13 18 0	400.	.58	480.	15.00	.03	83.	88.	87.	84.	86.	79.	75.	75.
13 18 5	667.	.62	479.	15.00	0.00	81.	85.	79.	82.	84.	76.	81.	76.
13 18 10	444.	.59	481.	15.00	.00	80.	85.	82.	84.	85.	75.	76.	74.
13 18 15	667.	.69	464.	15.00	-.00	81.	86.	86.	85.	84.	76.	69.	69.
13 18 20	533.	.63	465.	15.00	.05	81.	87.	84.	82.	85.	76.	74.	73.
13 18 26	133.	.60	482.	15.00	.00	81.	88.	88.	82.	88.	80.	85.	85.
13 18 31	667.	.62	478.	15.00	.01	83.	90.	82.	81.	89.	82.	85.	86.
13 18 36	756.	.57	472.	15.00	-.01	84.	90.	88.	81.	91.	87.	91.	91.
13 18 41	444.	.51	474.	15.00	.00	85.	91.	88.	82.	91.	89.	93.	93.
13 18 46	400.	.51	471.	15.00	.00	89.	95.	86.	83.	91.	94.	98.	101.
13 18 51	444.	.65	469.	15.00	.00	90.	92.	86.	83.	91.	93.	100.	100.
13 18 56	489.	.53	471.	15.00	.00	90.	88.	85.	90.	89.	91.	98.	97.
13 19 1	311.	.54	474.	15.00	-.02	89.	89.	86.	89.	89.	92.	95.	93.
13 19 6	400.	.51	486.	15.00	-.01	86.	90.	88.	90.	88.	90.	81.	82.
13 19 11	356.	.62	484.	15.00	-.00	87.	91.	90.	91.	88.	90.	88.	81.
13 19 16	578.	.50	482.	15.00	-.04	90.	84.	87.	92.	86.	88.	80.	80.
13 19 21	800.	.51	483.	15.00	-.02	91.	87.	89.	91.	87.	88.	78.	78.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
0s													
13 22 24	400.	.38	444.	15.00	.01	90.	87.	90.	86.	87.	86.	81.	79.
13 22 29	578.	.44	378.	15.00	-.02	87.	88.	88.	87.	88.	81.	78.	80.
13 22 34	311.	.38	317.	15.00	.03	87.	90.	84.	84.	91.	81.	74.	78.
13 22 34	489.	.45	320.	15.00	.00	87.	88.	84.	84.	90.	81.	75.	79.
13 22 39	400.	.45	301.	15.00	-.00	80.	90.	00.	82.	91.	80.	01.	83.
13 22 44	578.	.46	311.	15.00	-.01	83.	89.	79.	82.	91.	88.	82.	85.
13 22 49	578.	.50	314.	15.00	.02	85.	90.	82.	82.	90.	80.	80.	84.
13 22 54	356.	.45	305.	15.00	.02	85.	90.	82.	82.	90.	81.	81.	83.
13 22 59	400.	.47	311.	15.00	-.00	86.	89.	79.	84.	91.	80.	84.	86.
13 23 4	667.	.45	312.	15.00	-.01	85.	89.	79.	85.	91.	80.	84.	85.
13 23 10	-44.	.56	314.	15.00	0.00	85.	90.	79.	84.	91.	80.	84.	84.
13 23 15	44.	.55	314.	15.00	.00	84.	90.	80.	87.	91.	80.	80.	84.
13 23 20	667.	.50	309.	15.00	-.00	85.	90.	85.	88.	88.	82.	73.	80.
13 23 25	578.	.49	312.	15.00	-.01	85.	90.	05.	82.	85.	78.	74.	80.
13 23 30	844.	.38	308.	15.00	.03	86.	91.	82.	82.	90.	80.	80.	84.
13 23 35	622.	.43	307.	15.00	-.00	85.	90.	81.	84.	87.	80.	82.	85.
13 23 40	44.	.40	304.	15.00	-.00	86.	74.	86.	88.	91.	81.	73.	80.
13 23 45	578.	.41	302.	15.00	-.00	85.	82.	82.	85.	91.	81.	78.	82.
13 23 50	489.	.53	295.	15.00	-.00	83.	86.	84.	89.	90.	79.	78.	84.
13 23 55	800.	.50	299.	15.00	-.00	84.	89.	82.	85.	90.	79.	80.	85.
13 24 0	44.	.37	316.	15.00	-.05	84.	89.	80.	86.	90.	80.	86.	87.
13 24 5	44.	.45	300.	15.00	-.04	84.	88.	79.	84.	91.	80.	82.	87.
13 24 10	44.	.40	299.	15.00	-.02	84.	86.	83.	89.	90.	80.	78.	84.
13 24 15	267.	.39	306.	15.00	-.01	85.	87.	84.	86.	90.	80.	77.	83.
13 24 20	-222.	.41	315.	15.00	-.00	84.	89.	79.	80.	87.	80.	84.	89.
13 24 25	0.	.44	308.	15.00	-.01	81.	86.	81.	85.	88.	80.	80.	87.
13 24 30	756.	.51	303.	15.00	.01	85.	89.	85.	88.	91.	80.	73.	82.
13 24 35	44.	.47	306.	15.00	.01	85.	89.	82.	85.	91.	79.	79.	85.
13 24 40	311.	.28	310.	15.00	-.01	85.	88.	82.	90.	90.	80.	77.	86.
13 24 50	533.	.40	307.	15.00	-.02	85.	88.	83.	84.	91.	80.	76.	84.
13 24 55	844.	.48	294.	15.00	-.02	82.	88.	80.	86.	90.	80.	83.	86.
13 25 0	800.	.51	296.	15.00	-.02	84.	89.	82.	87.	90.	79.	78.	84.
13 25 5	133.	.40	312.	15.00	.02	84.	88.	85.	85.	91.	78.	74.	84.
13 25 10	133.	.45	310.	15.00	.02	85.	89.	82.	84.	91.	79.	77.	85.
13 25 15	400.	.48	310.	15.00	-.00	83.	90.	79.	85.	90.	80.	77.	89.
13 25 23	267.	.43	307.	15.00	.00	83.	90.	79.	87.	90.	78.	77.	88.
13 25 28	133.	.45	311.	15.00	.00	84.	90.	79.	88.	90.	78.	80.	87.
13 25 25	311.	.51	311.	15.00	-.01	84.	90.	79.	88.	89.	77.	78.	86.
13 25 30	667.	.56	303.	15.00	-.00	87.	88.	83.	84.	90.	80.	76.	82.
13 25 35	0.	.47	304.	15.00	.01	87.	88.	84.	84.	90.	79.	75.	82.
13 25 40	489.	.28	294.	15.00	.01	86.	91.	83.	82.	90.	79.	78.	84.
13 25 46	444.	.43	303.	15.00	-.00	85.	89.	82.	85.	90.	79.	78.	85.
13 25 51	44.	.56	310.	15.00	-.08	86.	90.	84.	89.	87.	80.	73.	82.
13 25 56	222.	.51	307.	15.00	-.02	86.	89.	84.	85.	89.	79.	76.	83.
13 26 1	578.	.44	298.	15.00	0.00	79.	89.	78.	79.	90.	78.	79.	89.
13 26 6	356.	.49	303.	15.00	.01	82.	89.	82.	84.	90.	78.	76.	81.
13 26 11	756.	.43	298.	15.00	-.00	86.	89.	93.	87.	90.	78.	73.	82.
13 26 16	533.	.50	301.	15.00	-.01	84.	99.	78.	87.	91.	79.	78.	86.
13 26 21	133.	.48	314.	15.00	-.04	86.	88.	83.	83.	91.	78.	74.	84.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
13 26 26	311.	.45	387.	15.00	-.04	84.	80.	81.	85.	91.	78.	77.	86.
13 26 31	400.	.41	299.	15.00	0.00	83.	89.	78.	93.	98.	78.	79.	86.
13 26 36	400.	.41	299.	15.00	.01	84.	88.	81.	88.	98.	78.	79.	85.
13 26 41	1022.	.41	296.	15.00	0.00	82.	98.	76.	84.	98.	79.	82.	69.
13 26 46	756.	.48	303.	15.00	-.01	83.	89.	77.	86.	89.	79.	79.	76.
13 49 8	667.	.56	300.	15.00	-.02	80.	85.	73.	77.	86.	71.	63.	82.
13 49 13	4095.	.51	306.	15.00	-.01	80.	84.	74.	81.	86.	78.	66.	81.
13 49 18	17467.	.50	293.	15.00	-.02	78.	84.	73.	82.	84.	71.	74.	83.
13 49 23	22083.	.48	289.	15.00	-.05	79.	85.	73.	79.	84.	71.	74.	83.
13 49 28	35064.	.28	295.	15.00	0.00	79.	84.	78.	84.	82.	72.	60.	79.
13 49 33	39325.	.40	294.	15.00	0.00	78.	84.	75.	88.	81.	68.	72.	81.
13 49 38	51399.	.51	296.	15.00	0.00	78.	84.	73.	77.	84.	71.	74.	83.
13 49 43	55620.	.48	303.	15.00	-.01	79.	84.	75.	78.	85.	71.	70.	80.
13 49 48	59369.	.50	293.	15.00	0.00	77.	84.	71.	82.	84.	71.	63.	83.
13 49 58	59487.	.48	300.	15.00	-.00	78.	85.	72.	81.	85.	78.	69.	82.
13 50 3	59921.	.43	298.	15.00	-.01	80.	76.	74.	84.	84.	71.	68.	78.
13 50 8	59842.	.45	294.	15.00	-.02	79.	80.	73.	82.	82.	71.	71.	80.
13 50 13	60082.	.41	307.	15.00	.02	80.	82.	75.	79.	84.	73.	71.	79.
13 50 18	58226.	.41	303.	15.00	.00	79.	83.	75.	82.	83.	72.	70.	80.
13 50 18	49110.	.45	304.	15.00	.01	79.	84.	74.	79.	84.	71.	75.	82.
13 50 23	44967.	.44	299.	15.00	-.01	78.	84.	75.	82.	84.	71.	71.	81.
13 50 28	32535.	.50	290.	15.00	.00	78.	84.	71.	79.	85.	71.	74.	79.
13 50 33	28159.	.54	291.	15.00	.02	81.	84.	75.	79.	85.	72.	72.	79.
13 50 38	15178.	.56	306.	15.00	0.00	81.	83.	79.	78.	85.	72.	67.	78.
13 50 43	9812.	.53	302.	15.00	-.00	79.	83.	78.	81.	84.	72.	70.	81.
13 50 48	933.	.41	309.	15.00	-.06	82.	79.	73.	78.	84.	72.	76.	84.
13 50 54	409.	.43	301.	15.00	-.03	82.	81.	76.	76.	85.	72.	72.	81.
13 50 59	222.	.62	299.	15.00	.01	78.	80.	73.	79.	83.	69.	72.	83.
13 51 4	1348.	.48	299.	15.00	-.00	80.	81.	75.	79.	84.	78.	71.	81.
13 51 9	2316.	.56	299.	15.00	.02	80.	83.	78.	84.	84.	72.	67.	76.
13 51 14	2631.	.53	302.	15.00	.01	80.	84.	76.	80.	85.	72.	70.	79.
13 51 19	756.	.56	300.	15.00	-.00	81.	85.	79.	80.	82.	70.	67.	78.
13 51 24	711.	.44	304.	15.00	-.00	80.	85.	75.	82.	82.	71.	69.	80.
13 51 29	133.	.56	294.	15.00	-.00	78.	84.	71.	85.	84.	70.	73.	83.
14 3 13	89.	.61	308.	15.00	.00	80.	84.	74.	83.	84.	70.	71.	81.
14 3 18	133.	.73	320.	15.00	0.00	80.	84.	76.	77.	84.	70.	73.	78.
14 3 23	178.	.76	329.	15.00	.01	78.	83.	75.	81.	83.	70.	71.	76.
14 3 33	311.	.76	360.	15.00	.01	76.	82.	73.	80.	82.	69.	74.	78.
14 3 38	400.	.79	366.	15.00	.02	76.	82.	72.	81.	81.	69.	74.	77.
14 3 43	133.	1.00	409.	15.00	.04	76.	81.	78.	83.	81.	69.	65.	72.
14 3 43	267.	.90	420.	15.00	.03	75.	81.	75.	81.	81.	69.	69.	74.
14 43 48	489.	.70	452.	15.00	.02	76.	79.	73.	74.	77.	71.	71.	74.
14 3 53	756.	.69	459.	15.00	.01	77.	81.	74.	74.	80.	71.	72.	75.
14 43 58	400.	.63	488.	15.00	-.04	75.	84.	74.	88.	79.	72.	76.	80.
14 4 3	622.	.57	493.	15.00	-.02	76.	83.	78.	78.	81.	73.	74.	78.
14 4 8	311.	.62	535.	15.00	.01	77.	84.	74.	75.	84.	76.	78.	82.
14 4 14	444.	.58	535.	15.00	-.00	77.	85.	75.	78.	83.	76.	79.	83.
14 4 19	933.	.56	550.	15.00	-.01	78.	86.	76.	82.	82.	76.	78.	79.
14 4 24	578.	.60	561.	15.00	-.01	79.	86.	78.	83.	82.	77.	78.	80.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
14 4 29	44.	.57	586.	15.00	0.00	80.	86.	76.	76.	84.	77.	80.	83.
14 4 34	267.	.55	592.	15.00	.01	80.	85.	79.	76.	84.	78.	78.	78.
14 4 39	578.	.50	601.	15.00	-.01	80.	87.	76.	84.	82.	78.	82.	85.
14 4 44	756.	.53	617.	15.00	.00	81.	87.	79.	84.	82.	78.	78.	83.
14 4 49	311.	.59	661.	15.00	.01	83.	85.	74.	80.	84.	79.	75.	81.
14 4 54	311.	.59	681.	15.00	.00	84.	85.	79.	80.	84.	79.	75.	80.
14 4 59	311.	.51	704.	15.00	.01	81.	86.	84.	86.	84.	78.	76.	82.
14 3 4	667.	.52	707.	15.00	.01	82.	86.	83.	82.	84.	79.	78.	83.
14 5 9	489.	.34	741.	15.00	-.08	79.	86.	76.	85.	82.	78.	83.	85.
14 5 14	844.	.43	743.	15.00	-.03	81.	86.	80.	82.	83.	77.	81.	84.
14 5 19	1022.	.59	761.	15.00	0.00	82.	85.	79.	84.	79.	76.	79.	84.
14 5 24	889.	.59	765.	15.00	0.00	82.	85.	79.	79.	76.	76.	81.	85.
14 5 29	489.	.60	770.	15.00	.03	82.	85.	84.	84.	84.	78.	75.	80.
14 5 39	444.	.53	783.	15.00	.00	80.	86.	82.	83.	83.	78.	80.	83.
14 5 39	667.	.53	787.	15.00	0.00	82.	84.	84.	79.	83.	79.	80.	79.
14 5 44	578.	.56	788.	15.00	.00	81.	85.	81.	82.	83.	79.	81.	82.
14 5 49	222.	.45	795.	15.00	0.00	81.	86.	80.	77.	84.	78.	84.	87.
14 5 54	444.	.52	765.	15.00	.03	80.	86.	79.	81.	83.	78.	82.	87.
14 5 59	489.	.41	654.	15.00	0.00	80.	86.	78.	84.	82.	74.	80.	87.
14 6 9	222.	.31	640.	15.00	-.01	81.	86.	81.	79.	83.	76.	80.	84.
14 6 14	-44.	.34	577.	15.00	-.00	83.	88.	84.	80.	83.	79.	74.	82.
14 6 19	267.	.38	553.	15.00	-.01	82.	88.	82.	80.	84.	78.	79.	84.
14 6 19	1022.	.47	493.	15.00	.01	82.	89.	84.	86.	84.	79.	77.	82.
14 6 24	889.	.49	474.	15.00	.00	82.	90.	83.	82.	86.	79.	79.	84.
14 16 29	400.	.48	444.	15.00	0.00	82.	90.	79.	80.	85.	78.	84.	74.
14 14 36	222.	.48	376.	15.00	-.00	80.	87.	76.	82.	85.	76.	82.	76.
14 14 41	311.	.45	291.	15.00	-.04	79.	82.	74.	84.	85.	73.	76.	84.
14 14 46	622.	.51	294.	15.00	-.01	80.	81.	74.	82.	85.	73.	76.	84.
14 14 51	222.	.47	289.	15.00	-.00	81.	84.	77.	78.	86.	72.	76.	83.
14 15 1	178.	.45	291.	15.00	-.00	81.	83.	78.	79.	85.	72.	74.	81.
14 15 6	667.	.48	301.	15.00	-.01	82.	82.	80.	80.	87.	72.	69.	88.
14 15 11	489.	.45	298.	15.00	-.00	82.	83.	80.	80.	87.	73.	69.	81.
14 15 11	844.	.48	298.	15.00	.03	80.	83.	80.	87.	86.	71.	71.	81.
14 15 16	889.	.49	301.	15.00	.02	80.	83.	77.	85.	85.	72.	74.	83.
14 15 21	1467.	.51	300.	15.00	0.00	80.	84.	74.	84.	84.	73.	73.	82.
14 15 26	711.	.46	299.	15.00	-.01	79.	83.	74.	83.	85.	73.	74.	84.
14 15 31	400.	.47	311.	15.00	-.02	78.	82.	72.	82.	84.	72.	79.	84.
14 15 36	178.	.48	306.	15.00	-.03	79.	83.	73.	83.	82.	72.	77.	85.
14 15 42	844.	.50	299.	15.00	.00	81.	84.	76.	78.	74.	72.	76.	83.
14 15 47	844.	.50	299.	15.00	.01	81.	83.	75.	73.	88.	73.	76.	81.
14 15 52	489.	.38	305.	15.00	.00	81.	84.	77.	80.	86.	73.	74.	82.
14 17 19	578.	.44	299.	15.00	.01	78.	81.	78.	79.	86.	73.	74.	81.
14 17 24	844.	.41	312.	15.00	0.00	80.	84.	76.	85.	86.	72.	71.	82.
14 17 29	622.	.48	306.	15.00	.01	80.	83.	78.	83.	85.	72.	78.	80.
14 17 34	222.	.59	291.	15.00	-.00	81.	84.	74.	76.	88.	73.	76.	84.
14 17 39	444.	.51	299.	15.00	-.01	80.	84.	74.	88.	87.	72.	77.	84.
14 17 44	44.	.57	296.	15.00	0.00	76.	84.	74.	81.	86.	73.	78.	84.
14 17 54	444.	.48	304.	15.00	-.01	78.	79.	74.	80.	87.	73.	76.	85.
14 17 59	311.	.48	296.	15.00	0.00	78.	83.	78.	84.	86.	73.	72.	79.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
14 18 4	489.	.43	300.	15.00	.01	76.	83.	79.	84.	86.	73.	71.	80.
14 18 4	-44.	.51	301.	15.00	.01	74.	74.	79.	84.	86.	73.	71.	79.
14 18 9	267.	.42	304.	15.00	-.00	77.	79.	76.	79.	87.	73.	74.	82.
14 18 14	222.	.59	296.	15.00	-.00	82.	85.	74.	83.	91.	74.	78.	86.
14 18 19	133.	.52	299.	15.00	-.00	81.	85.	74.	80.	88.	73.	78.	88.
14 32 7	489.	.09	352.	15.00	-.02	77.	86.	75.	80.	79.	66.	67.	74.
14 32 13	489.	.19	347.	15.00	-.01	79.	85.	77.	79.	81.	70.	68.	75.
14 32 18	133.	.09	347.	15.00	.01	80.	85.	79.	77.	82.	73.	69.	75.
14 32 23	133.	.12	355.	15.00	.05	80.	85.	80.	79.	82.	72.	68.	75.
14 32 28	756.	.16	349.	15.00	0.00	80.	86.	79.	80.	79.	72.	69.	76.
14 32 33	756.	.14	345.	15.00	.00	79.	85.	79.	81.	80.	72.	70.	76.
14 32 39	222.	.12	351.	15.00	-.02	77.	86.	74.	82.	82.	72.	74.	80.
14 32 44	489.	.16	347.	15.00	0.00	78.	86.	75.	79.	82.	72.	74.	81.
14 32 49	133.	.21	352.	15.00	.04	78.	84.	75.	77.	82.	72.	76.	81.
14 32 54	-844.	.18	346.	15.00	.03	77.	84.	74.	78.	82.	72.	77.	81.
14 32 59	-1911.	.15	344.	15.00	0.00	80.	86.	77.	76.	83.	73.	74.	78.
14 33 4	-1600.	.07	337.	15.00	-.00	80.	86.	76.	76.	83.	73.	75.	78.
14 33 9	-1822.	.13	334.	15.00	-.03	79.	87.	78.	77.	83.	73.	76.	79.
14 33 14	-1911.	.21	333.	15.00	-.02	79.	86.	78.	76.	83.	73.	75.	79.

C COMMUTATOR

TIME H/M/S 04	EC 14 TEMP AIR OUTLET OVERHD L/M CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC MIND SHIELD BOTTOM	EC 21 TEMP SURFAC MIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
13 1 1	101.	102.	93.	102.	97.	97.	110.	115.	98.	97.	-3.	-0.	94.
13 1 12	99.	98.	92.	101.	98.	96.	110.	116.	98.	101.	-3.	-0.	88.
13 1 17	98.	97.	90.	99.	97.	97.	112.	120.	95.	103.	-1.	0.	102.
13 1 22	97.	97.	87.	98.	97.	97.	112.	120.	94.	102.	-3.	-0.	93.
13 1 27	97.	101.	90.	101.	95.	96.	112.	121.	91.	98.	-4.	0.	80.
13 1 32	98.	98.	90.	101.	96.	96.	112.	119.	93.	96.	-4.	-0.	88.
13 1 32	101.	100.	93.	103.	97.	95.	109.	113.	99.	97.	-3.	0.	94.
13 1 38	100.	100.	91.	101.	97.	96.	111.	117.	95.	97.	-4.	0.	88.
13 41 48	101.	101.	93.	103.	97.	95.	111.	114.	99.	96.	-2.	0.	98.
13 1 53	98.	99.	92.	102.	96.	96.	110.	114.	98.	100.	-2.	0.	92.
13 41 58	98.	96.	89.	100.	96.	97.	95.	120.	95.	104.	-3.	-0.	86.
13 41 58	97.	98.	89.	99.	95.	97.	103.	120.	93.	102.	-2.	-0.	98.
13 2 3	99.	101.	91.	101.	95.	97.	110.	115.	99.	95.	-5.	0.	78.
13 42 8	99.	98.	91.	101.	96.	97.	109.	114.	100.	99.	-4.	0.	84.
13 2 13	98.	97.	90.	99.	95.	97.	110.	118.	97.	104.	-4.	0.	73.
13 2 18	97.	100.	89.	100.	96.	96.	111.	119.	95.	101.	-3.	0.	88.
13 2 23	98.	103.	93.	101.	97.	96.	110.	116.	95.	94.	-3.	-0.	86.
13 4 6	99.	103.	93.	102.	96.	96.	108.	116.	97.	95.	-3.	-0.	98.
13 4 11	97.	105.	86.	102.	96.	95.	113.	118.	94.	95.	29.	1.	142.
13 4 11	98.	103.	82.	104.	95.	95.	112.	114.	97.	96.	29.	1.	141.
13 4 16	95.	98.	71.	101.	97.	98.	110.	117.	95.	106.	28.	1.	159.
13 4 21	98.	100.	71.	102.	97.	97.	110.	115.	96.	101.	34.	1.	169.
13 4 26	97.	97.	74.	105.	97.	97.	108.	112.	100.	103.	41.	0.	160.
13 4 31	97.	97.	75.	100.	96.	97.	111.	116.	96.	102.	40.	0.	169.
13 4 44	95.	102.	79.	101.	96.	97.	110.	116.	96.	93.	30.	0.	168.
13 4 42	97.	101.	80.	102.	95.	97.	110.	114.	98.	97.	30.	0.	170.
13 4 47	98.	95.	81.	101.	99.	95.	111.	117.	99.	105.	34.	0.	187.
13 4 52	97.	98.	81.	100.	98.	95.	112.	118.	96.	102.	34.	0.	198.
13 4 65	99.	98.	82.	102.	97.	98.	109.	112.	101.	100.	38.	0.	196.
13 5 2	98.	97.	83.	102.	97.	96.	110.	114.	99.	104.	31.	0.	193.
13 5 7	95.	97.	82.	101.	95.	95.	112.	117.	97.	105.	39.	0.	209.
13 5 12	97.	97.	83.	102.	96.	97.	111.	116.	97.	104.	40.	-0.	202.
13 5 17	95.	98.	84.	95.	95.	95.	112.	117.	97.	105.	41.	-0.	199.
13 5 22	95.	98.	84.	97.	96.	96.	112.	119.	96.	103.	41.	-0.	206.
13 5 27	98.	99.	84.	97.	95.	96.	107.	120.	92.	99.	40.	0.	203.
13 5 32	98.	100.	85.	99.	95.	95.	118.	119.	92.	99.	40.	0.	203.
13 5 37	99.	103.	87.	102.	95.	95.	113.	117.	93.	97.	40.	-0.	208.
13 5 42	99.	99.	86.	102.	95.	95.	109.	116.	94.	95.	35.	0.	214.
13 5 47	101.	101.	86.	105.	95.	95.	110.	111.	95.	95.	30.	1.	208.
13 5 52	104.	101.	87.	105.	96.	95.	110.	110.	97.	96.	24.	1.	205.
13 5 57	97.	96.	86.	101.	97.	97.	108.	113.	99.	103.	15.	1.	213.
13 6 7	97.	97.	85.	102.	97.	97.	108.	113.	99.	101.	16.	1.	207.
13 6 7	100.	103.	89.	101.	95.	95.	108.	115.	95.	93.	12.	1.	198.
13 6 12	100.	102.	87.	102.	95.	95.	109.	114.	95.	93.	12.	1.	198.
13 6 17	98.	100.	84.	101.	97.	96.	108.	119.	93.	98.	14.	1.	209.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVICE AIR REG
04													
13 6 22	98.	101.	85.	101.	96.	96.	110.	110.	92.	98.	13.	1.	214.
13 6 27	101.	102.	86.	103.	95.	97.	110.	112.	95.	94.	13.	1.	199.
13 6 37	99.	100.	85.	101.	95.	97.	112.	116.	95.	98.	13.	1.	203.
13 6 42	99.	102.	86.	101.	96.	96.	110.	114.	94.	95.	13.	1.	210.
13 6 47	98.	100.	86.	100.	96.	96.	111.	116.	97.	100.	13.	1.	216.
13 6 47	99.	101.	88.	103.	96.	95.	108.	109.	95.	95.	14.	1.	231.
13 6 52	98.	101.	87.	102.	95.	96.	111.	113.	93.	97.	14.	1.	218.
13 6 57	98.	101.	86.	101.	97.	95.	112.	115.	99.	99.	15.	1.	219.
13 7 2	97.	98.	85.	101.	97.	95.	112.	114.	99.	99.	19.	1.	216.
13 7 7	95.	97.	86.	100.	97.	95.	111.	115.	100.	103.	27.	1.	233.
13 7 12	95.	101.	76.	102.	96.	96.	112.	114.	95.	102.	29.	1.	246.
13 7 18	84.	101.	52.	101.	95.	95.	113.	113.	92.	100.	36.	2.	254.
13 7 23	83.	96.	42.	99.	95.	95.	113.	114.	96.	97.	39.	2.	264.
13 7 28	84.	96.	43.	99.	95.	95.	112.	108.	84.	94.	47.	2.	264.
13 7 33	81.	94.	42.	97.	96.	95.	111.	106.	90.	92.	47.	2.	265.
13 7 38	72.	88.	38.	95.	95.	95.	112.	112.	100.	99.	43.	2.	278.
13 7 43	72.	89.	40.	96.	96.	95.	112.	112.	96.	97.	36.	1.	286.
13 7 48	71.	90.	40.	97.	95.	96.	114.	113.	93.	99.	28.	2.	304.
13 7 53	70.	87.	39.	97.	95.	96.	113.	113.	94.	100.	29.	1.	306.
13 7 58	69.	90.	38.	95.	95.	95.	115.	114.	93.	97.	30.	1.	317.
13 8 3	69.	88.	38.	96.	95.	95.	113.	111.	95.	95.	38.	1.	319.
13 48 8	71.	90.	39.	99.	95.	95.	114.	107.	91.	90.	38.	1.	327.
13 8 13	68.	88.	37.	96.	95.	90.	114.	111.	94.	95.	30.	1.	336.
13 8 18	71.	85.	40.	96.	95.	94.	111.	106.	95.	101.	11.	0.	314.
13 8 23	69.	85.	40.	95.	95.	94.	111.	109.	90.	99.	12.	1.	315.
13 8 28	70.	87.	42.	94.	95.	95.	111.	110.	100.	97.	17.	1.	312.
13 8 33	69.	88.	41.	94.	95.	92.	112.	112.	100.	99.	18.	1.	321.
13 8 43	76.	95.	46.	97.	95.	95.	112.	108.	90.	94.	19.	0.	315.
13 8 43	75.	94.	45.	97.	95.	95.	112.	108.	95.	93.	19.	1.	311.
13 48 48	78.	95.	45.	98.	95.	95.	112.	105.	93.	91.	20.	1.	306.
13 8 53	77.	95.	45.	99.	95.	92.	111.	102.	94.	91.	20.	1.	303.
13 8 58	72.	91.	40.	93.	94.	94.	112.	112.	97.	103.	18.	1.	289.
13 9 3	73.	90.	40.	89.	95.	97.	112.	110.	97.	105.	19.	1.	293.
13 9 13	76.	94.	42.	95.	95.	95.	108.	104.	97.	95.	18.	1.	291.
13 9 18	74.	93.	43.	96.	95.	93.	109.	104.	96.	93.	18.	1.	286.
13 9 23	73.	91.	39.	92.	95.	95.	111.	112.	95.	103.	18.	1.	316.
13 9 28	74.	91.	40.	93.	95.	94.	109.	107.	96.	99.	18.	1.	305.
13 9 28	74.	92.	39.	94.	94.	95.	113.	112.	93.	100.	19.	1.	298.
13 9 33	75.	91.	40.	92.	95.	94.	110.	108.	96.	95.	19.	1.	295.
13 9 38	76.	95.	40.	95.	94.	94.	111.	105.	93.	91.	19.	1.	299.
13 9 43	74.	93.	40.	94.	93.	94.	111.	108.	94.	97.	18.	1.	289.
13 49 48	75.	93.	41.	96.	90.	93.	108.	103.	93.	95.	19.	1.	270.
13 9 53	74.	92.	39.	94.	92.	93.	110.	107.	93.	97.	19.	1.	274.
13 9 59	74.	90.	43.	95.	95.	93.	108.	102.	95.	95.	19.	1.	289.
13 10 4	74.	91.	42.	95.	95.	92.	108.	101.	95.	95.	19.	1.	281.
13 10 9	73.	91.	39.	91.	94.	94.	113.	110.	95.	101.	18.	1.	291.
13 10 22	74.	91.	40.	94.	93.	94.	111.	106.	95.	97.	19.	1.	286.
13 10 19	74.	94.	41.	94.	95.	95.	110.	106.	90.	94.	21.	1.	259.
13 10 24	73.	92.	40.	93.	95.	94.	111.	108.	93.	98.	19.	1.	274.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
13 10 29	69.	90.	42.	94.	94.	93.	108.	103.	97.	98.	19.	1.	286.
13 10 34	72.	92.	37.	94.	89.	94.	109.	103.	91.	95.	18.	1.	275.
13 10 39	70.	84.	39.	91.	94.	90.	108.	110.	95.	98.	18.	1.	288.
13 10 44	71.	86.	39.	91.	94.	92.	109.	108.	99.	100.	19.	1.	282.
13 10 49	74.	89.	42.	94.	90.	92.	101.	101.	95.	94.	17.	1.	284.
13 10 54	73.	91.	41.	94.	91.	92.	104.	100.	96.	94.	18.	1.	283.
13 11 43	65.	84.	37.	94.	94.	93.	110.	95.	99.	96.	28.	2.	288.
13 51 48	64.	83.	36.	92.	94.	93.	109.	95.	99.	95.	33.	2.	282.
13 51 58	56.	83.	36.	89.	93.	90.	112.	106.	95.	95.	41.	2.	279.
13 12 3	59.	85.	37.	90.	93.	90.	111.	103.	95.	91.	41.	2.	288.
13 12 3	56.	80.	35.	88.	93.	93.	108.	106.	94.	97.	45.	2.	301.
13 52 8	55.	80.	35.	88.	93.	92.	109.	103.	95.	97.	46.	2.	296.
13 12 13	58.	85.	39.	89.	93.	92.	110.	99.	89.	85.	54.	1.	303.
13 12 18	56.	85.	37.	87.	92.	92.	110.	97.	90.	86.	57.	1.	303.
13 12 28	55.	84.	37.	90.	91.	86.	110.	97.	91.	85.	61.	1.	304.
13 12 33	55.	83.	38.	90.	92.	89.	109.	98.	92.	82.	61.	1.	317.
13 12 38	56.	82.	39.	90.	92.	91.	108.	97.	93.	85.	59.	1.	311.
13 12 38	54.	80.	38.	89.	92.	91.	108.	97.	96.	88.	59.	1.	321.
13 12 43	50.	77.	35.	86.	93.	91.	110.	101.	94.	95.	61.	1.	335.
13 52 48	51.	78.	35.	85.	93.	88.	110.	103.	92.	93.	61.	1.	332.
13 12 53	54.	84.	39.	90.	91.	91.	108.	97.	93.	85.	63.	1.	345.
13 12 58	53.	81.	38.	89.	92.	91.	106.	97.	94.	88.	59.	1.	344.
13 13 3	51.	82.	37.	85.	91.	92.	110.	95.	90.	87.	58.	1.	355.
13 13 9	51.	79.	36.	85.	91.	92.	109.	99.	92.	91.	58.	1.	360.
13 13 14	53.	83.	38.	83.	91.	90.	109.	101.	90.	87.	58.	1.	368.
13 13 19	53.	82.	39.	85.	91.	90.	107.	99.	92.	87.	59.	1.	363.
13 13 24	50.	79.	42.	79.	91.	92.	110.	104.	91.	93.	58.	1.	380.
13 13 29	53.	82.	49.	83.	91.	91.	109.	101.	92.	89.	59.	1.	374.
13 13 34	58.	88.	65.	86.	92.	91.	107.	96.	95.	96.	61.	1.	368.
13 13 39	56.	81.	71.	87.	91.	91.	108.	100.	94.	94.	61.	1.	369.
13 13 44	63.	90.	90.	91.	91.	90.	107.	95.	93.	86.	60.	1.	373.
13 13 49	61.	87.	72.	89.	91.	90.	107.	97.	93.	92.	58.	1.	383.
13 13 54	60.	90.	42.	84.	90.	92.	108.	102.	90.	90.	58.	1.	386.
13 13 59	60.	91.	42.	86.	91.	91.	107.	98.	92.	88.	59.	1.	376.
13 14 4	53.	87.	42.	85.	91.	90.	105.	84.	97.	91.	58.	1.	379.
13 14 9	53.	87.	48.	85.	91.	90.	105.	93.	95.	88.	58.	1.	382.
13 14 14	58.	91.	40.	87.	91.	90.	108.	94.	92.	85.	60.	1.	384.
13 14 19	61.	91.	68.	87.	90.	90.	109.	98.	91.	88.	58.	1.	389.
13 14 24	68.	86.	127.	90.	90.	90.	107.	97.	94.	95.	60.	1.	389.
13 14 34	75.	89.	138.	93.	91.	91.	105.	95.	94.	91.	59.	1.	398.
13 14 34	91.	95.	165.	97.	90.	90.	107.	97.	92.	84.	58.	1.	383.
13 14 39	95.	94.	172.	98.	90.	90.	106.	95.	93.	86.	58.	1.	384.
13 14 44	103.	95.	183.	101.	92.	90.	108.	97.	91.	86.	60.	1.	403.
13 14 49	98.	96.	135.	97.	91.	91.	109.	100.	93.	90.	59.	1.	401.
13 14 54	84.	88.	61.	90.	90.	90.	106.	99.	95.	97.	58.	1.	408.
13 15 4	84.	89.	58.	90.	91.	90.	104.	96.	95.	94.	58.	1.	405.
13 15 9	79.	90.	50.	89.	90.	91.	107.	96.	91.	88.	59.	1.	400.
13 15 14	77.	87.	47.	87.	90.	91.	107.	99.	91.	91.	59.	1.	407.
13 15 19	76.	82.	44.	84.	92.	91.	104.	96.	96.	95.	59.	1.	398.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AIR REG
13 15 19	72.	82.	46.	87.	91.	91.	104.	94.	96.	92.	59.	1.	401.
13 15 24	74.	84.	53.	88.	93.	90.	100.	97.	88.	80.	58.	1.	399.
13 15 29	73.	85.	59.	08.	90.	90.	100.	99.	87.	86.	59.	1.	400.
13 15 34	73.	84.	70.	88.	92.	04.	106.	100.	94.	96.	56.	1.	411.
13 15 39	74.	85.	73.	09.	91.	87.	105.	97.	95.	95.	59.	1.	397.
13 15 44	75.	88.	76.	91.	91.	90.	103.	93.	97.	93.	58.	1.	385.
13 15 50	74.	87.	64.	91.	89.	90.	104.	93.	96.	93.	57.	1.	397.
13 15 55	63.	88.	44.	80.	91.	90.	104.	94.	97.	95.	57.	1.	408.
13 16 0	64.	86.	40.	87.	91.	90.	103.	94.	97.	94.	58.	1.	406.
13 16 5	65.	86.	40.	87.	92.	90.	103.	94.	92.	93.	59.	1.	395.
13 16 10	65.	88.	40.	87.	91.	90.	102.	93.	94.	91.	59.	1.	396.
13 16 15	65.	92.	34.	85.	90.	89.	103.	92.	92.	86.	60.	1.	424.
13 16 20	69.	91.	71.	88.	90.	91.	103.	92.	93.	86.	59.	1.	419.
13 16 25	83.	94.	140.	94.	79.	89.	105.	95.	92.	85.	58.	1.	408.
13 16 30	87.	93.	149.	94.	85.	90.	106.	97.	90.	88.	58.	1.	410.
13 16 35	93.	89.	172.	98.	91.	91.	106.	98.	93.	97.	59.	1.	413.
13 16 40	90.	90.	179.	100.	83.	90.	104.	95.	95.	94.	59.	1.	411.
13 16 53	110.	95.	198.	102.	90.	90.	109.	98.	89.	91.	57.	1.	418.
13 16 50	103.	95.	141.	98.	90.	90.	108.	98.	90.	93.	57.	1.	410.
13 56 55	93.	91.	65.	92.	91.	89.	103.	94.	97.	95.	58.	1.	413.
13 17 8	91.	88.	61.	91.	91.	90.	104.	95.	93.	91.	58.	1.	413.
13 17 18	85.	87.	51.	88.	87.	90.	107.	101.	88.	91.	60.	1.	415.
13 17 10	83.	86.	49.	88.	89.	90.	106.	100.	90.	93.	60.	1.	413.
13 17 15	79.	87.	46.	88.	90.	90.	106.	101.	90.	94.	60.	1.	400.
13 17 20	77.	86.	47.	88.	90.	90.	105.	100.	91.	94.	60.	1.	401.
13 17 25	77.	86.	59.	88.	90.	90.	106.	98.	90.	97.	60.	1.	410.
13 17 30	77.	86.	61.	88.	90.	91.	107.	98.	90.	97.	59.	1.	413.
13 17 40	76.	86.	71.	89.	90.	90.	105.	97.	91.	95.	61.	1.	400.
13 17 45	78.	87.	73.	87.	90.	90.	106.	98.	91.	95.	61.	1.	413.
13 17 50	77.	87.	69.	91.	90.	90.	105.	98.	91.	95.	59.	1.	406.
13 17 55	75.	88.	59.	88.	90.	88.	105.	98.	91.	95.	58.	1.	403.
13 17 55	72.	87.	42.	86.	90.	89.	102.	92.	96.	92.	60.	1.	421.
13 18 0	72.	89.	43.	86.	90.	89.	102.	91.	95.	91.	59.	1.	415.
13 18 5	68.	93.	40.	86.	90.	90.	100.	96.	89.	88.	57.	1.	415.
13 18 10	67.	90.	40.	85.	90.	90.	101.	95.	88.	91.	58.	1.	420.
13 18 15	65.	87.	50.	86.	90.	90.	99.	90.	93.	92.	56.	1.	420.
13 18 20	71.	90.	84.	89.	89.	90.	101.	90.	90.	88.	56.	1.	412.
13 18 26	85.	92.	141.	93.	89.	90.	106.	98.	88.	89.	58.	1.	416.
13 18 31	90.	93.	158.	95.	88.	90.	104.	95.	90.	87.	58.	1.	415.
13 18 36	104.	94.	172.	97.	90.	89.	103.	87.	92.	86.	57.	1.	420.
13 18 41	106.	94.	178.	99.	90.	90.	103.	98.	92.	86.	50.	1.	423.
13 18 46	112.	95.	195.	101.	91.	89.	105.	94.	91.	86.	59.	1.	421.
13 18 51	109.	98.	148.	99.	91.	90.	105.	94.	90.	87.	59.	1.	423.
13 18 56	90.	94.	69.	98.	89.	90.	106.	97.	93.	93.	57.	1.	408.
13 19 1	93.	93.	72.	90.	89.	90.	102.	98.	91.	93.	59.	1.	411.
13 19 6	95.	88.	73.	90.	90.	84.	101.	95.	93.	95.	60.	1.	430.
13 19 11	92.	87.	67.	90.	91.	87.	102.	95.	93.	96.	60.	1.	425.
13 19 16	87.	82.	55.	88.	90.	84.	103.	96.	93.	95.	58.	1.	427.
13 19 21	86.	84.	54.	90.	90.	87.	101.	94.	93.	95.	51.	1.	422.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 T MP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
13 22 24	86.	89.	53.	98.	90.	90.	101.	98.	91.	95.	21.	1.	399.
13 22 29	81.	87.	54.	93.	91.	89.	101.	91.	93.	96.	20.	1.	354.
13 22 34	77.	87.	55.	101.	84.	38.	99.	88.	99.	91.	21.	1.	324.
13 22 34	78.	89.	56.	101.	87.	87.	99.	88.	97.	89.	20.	1.	316.
13 22 39	78.	92.	58.	99.	98.	84.	103.	84.	93.	85.	17.	1.	315.
13 22 44	78.	92.	57.	97.	98.	87.	103.	89.	92.	86.	18.	1.	318.
13 22 49	79.	91.	56.	95.	98.	89.	101.	92.	84.	88.	19.	1.	315.
13 22 54	79.	92.	56.	98.	98.	89.	101.	92.	83.	88.	20.	1.	307.
13 22 59	78.	91.	56.	99.	98.	90.	101.	93.	91.	87.	20.	1.	321.
13 23 4	79.	91.	55.	100.	89.	91.	102.	95.	98.	89.	19.	1.	308.
13 23 10	78.	92.	56.	99.	92.	98.	103.	95.	89.	91.	18.	1.	328.
13 23 15	76.	98.	55.	99.	91.	90.	103.	95.	91.	93.	19.	1.	314.
13 23 20	78.	86.	57.	101.	98.	90.	97.	91.	100.	96.	18.	1.	300.
13 23 25	77.	88.	55.	98.	91.	89.	99.	89.	98.	94.	18.	1.	302.
13 23 30	78.	94.	55.	100.	98.	90.	101.	91.	93.	86.	18.	1.	330.
13 23 35	78.	89.	54.	99.	98.	98.	102.	95.	91.	98.	18.	1.	299.
13 23 40	77.	86.	55.	101.	91.	89.	99.	91.	95.	95.	20.	1.	307.
13 23 45	77.	89.	54.	101.	90.	98.	101.	92.	92.	92.	19.	1.	302.
13 23 50	76.	86.	53.	100.	84.	98.	102.	93.	95.	99.	21.	1.	306.
13 23 55	77.	89.	55.	101.	87.	89.	102.	91.	94.	93.	28.	1.	299.
13 24 0	76.	90.	52.	99.	90.	98.	103.	97.	98.	93.	14.	1.	295.
13 24 5	76.	90.	53.	100.	98.	90.	102.	95.	90.	98.	16.	1.	301.
13 24 10	75.	86.	53.	101.	98.	98.	101.	93.	95.	99.	21.	1.	295.
13 24 15	77.	89.	54.	99.	98.	89.	101.	91.	93.	94.	28.	1.	288.
13 24 20	77.	90.	52.	101.	98.	98.	105.	96.	98.	91.	18.	1.	308.
13 24 25	77.	85.	52.	101.	98.	98.	103.	93.	92.	94.	19.	1.	302.
13 24 30	76.	87.	52.	100.	98.	92.	100.	88.	97.	95.	21.	1.	289.
13 24 35	76.	98.	53.	100.	98.	91.	102.	91.	94.	95.	19.	1.	292.
13 24 40	75.	86.	52.	101.	98.	98.	102.	94.	95.	98.	18.	1.	284.
13 24 50	76.	88.	53.	102.	98.	89.	101.	91.	95.	94.	28.	1.	289.
13 24 55	74.	88.	51.	97.	92.	99.	106.	96.	91.	95.	19.	1.	298.
13 25 0	74.	87.	52.	100.	91.	88.	103.	93.	98.	95.	28.	1.	289.
13 25 5	76.	88.	54.	104.	98.	89.	98.	88.	97.	84.	28.	1.	281.
13 25 10	76.	86.	53.	103.	98.	98.	100.	98.	94.	87.	20.	1.	278.
13 25 15	76.	98.	45.	101.	89.	98.	105.	98.	98.	94.	21.	1.	288.
13 25 23	74.	88.	47.	101.	89.	88.	104.	97.	92.	95.	19.	1.	287.
13 25 28	71.	86.	49.	100.	88.	98.	103.	95.	93.	97.	18.	1.	288.
13 25 25	72.	86.	49.	100.	89.	89.	103.	95.	94.	99.	19.	1.	278.
13 25 38	78.	98.	55.	102.	98.	89.	99.	88.	95.	98.	20.	1.	278.
13 25 35	77.	89.	53.	102.	98.	88.	100.	88.	96.	91.	19.	1.	287.
13 25 40	78.	92.	52.	100.	98.	89.	103.	86.	93.	88.	17.	1.	285.
13 25 46	75.	89.	51.	100.	89.	89.	103.	91.	94.	98.	18.	1.	282.
13 25 51	75.	86.	51.	103.	98.	98.	100.	98.	98.	98.	21.	1.	273.
13 25 56	76.	85.	51.	103.	98.	89.	100.	98.	96.	91.	20.	1.	273.
13 26 1	75.	91.	51.	101.	89.	98.	106.	95.	98.	98.	16.	1.	294.
13 26 6	75.	89.	58.	101.	98.	98.	104.	93.	94.	93.	18.	1.	286.
13 26 11	74.	86.	51.	102.	91.	88.	99.	89.	98.	93.	19.	1.	278.
13 26 16	74.	88.	58.	101.	98.	89.	102.	93.	92.	94.	28.	1.	280.
13 26 21	77.	98.	46.	103.	89.	98.	100.	89.	97.	98.	20.	1.	278.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
13 26 26	75.	89.	48.	102.	89.	90.	102.	93.	94.	93.	20.	1.	273.
13 26 31	71.	86.	48.	101.	90.	90.	103.	97.	94.	97.	18.	1.	278.
13 26 36	74.	88.	50.	102.	90.	89.	103.	93.	94.	93.	18.	1.	276.
13 26 41	74.	90.	50.	101.	90.	89.	103.	98.	91.	93.	17.	1.	283.
13 26 46	73.	88.	50.	101.	90.	89.	103.	97.	93.	95.	18.	1.	285.
13 49 8	67.	86.	48.	101.	85.	84.	100.	89.	91.	88.	20.	1.	269.
13 49 13	66.	83.	48.	100.	87.	84.	100.	90.	93.	92.	20.	1.	266.
13 49 18	65.	83.	46.	98.	85.	85.	103.	95.	94.	95.	19.	1.	268.
13 49 23	66.	86.	48.	99.	85.	85.	102.	92.	95.	91.	19.	1.	271.
13 49 28	66.	74.	48.	101.	89.	85.	95.	38.	97.	95.	17.	1.	288.
13 49 33	66.	79.	49.	100.	88.	79.	99.	91.	93.	90.	18.	1.	278.
13 49 38	66.	86.	48.	98.	87.	85.	102.	98.	90.	90.	18.	1.	268.
13 49 43	66.	84.	50.	99.	88.	84.	100.	87.	92.	90.	19.	1.	267.
13 49 48	63.	82.	48.	99.	86.	86.	103.	95.	90.	84.	17.	1.	284.
13 49 58	66.	83.	49.	99.	86.	85.	101.	92.	90.	86.	19.	1.	276.
13 50 3	66.	79.	50.	101.	87.	74.	100.	89.	95.	95.	19.	1.	273.
13 50 8	65.	82.	50.	100.	87.	79.	101.	91.	93.	96.	19.	1.	278.
13 50 13	69.	86.	51.	101.	87.	83.	99.	87.	92.	85.	20.	1.	256.
13 50 18	67.	84.	50.	98.	88.	79.	100.	89.	93.	91.	19.	1.	273.
13 50 18	67.	87.	32.	99.	84.	85.	102.	91.	84.	91.	20.	1.	244.
13 50 23	66.	84.	48.	100.	86.	85.	98.	90.	89.	94.	19.	1.	254.
13 50 28	67.	88.	50.	100.	85.	84.	103.	91.	90.	91.	20.	1.	268.
13 50 33	68.	87.	51.	101.	86.	84.	101.	89.	91.	90.	19.	1.	268.
13 50 38	68.	84.	52.	101.	87.	84.	97.	84.	95.	90.	19.	1.	268.
13 50 43	67.	83.	51.	98.	87.	84.	100.	88.	94.	92.	18.	1.	272.
13 50 48	63.	87.	50.	99.	86.	79.	102.	91.	90.	88.	20.	1.	273.
13 50 54	66.	86.	50.	100.	86.	81.	100.	88.	93.	88.	19.	1.	271.
13 50 59	65.	82.	48.	95.	84.	84.	102.	90.	90.	96.	19.	1.	273.
13 51 4	67.	83.	49.	98.	86.	83.	101.	87.	91.	91.	18.	1.	266.
13 51 9	66.	82.	42.	100.	87.	84.	99.	88.	96.	95.	18.	1.	268.
13 51 14	67.	84.	45.	100.	86.	83.	100.	89.	92.	92.	19.	1.	263.
13 51 19	66.	82.	48.	101.	87.	84.	97.	84.	95.	96.	20.	1.	268.
13 51 24	66.	82.	45.	100.	87.	84.	99.	89.	94.	92.	20.	1.	259.
13 51 29	65.	82.	32.	98.	86.	84.	101.	92.	91.	95.	19.	1.	264.
14 3 13	66.	84.	38.	99.	86.	83.	99.	89.	92.	91.	23.	1.	266.
14 3 18	68.	87.	46.	97.	85.	84.	97.	87.	90.	92.	30.	1.	265.
14 3 23	66.	83.	45.	97.	86.	84.	97.	88.	93.	92.	33.	1.	266.
14 3 33	63.	82.	47.	96.	85.	84.	101.	91.	91.	90.	40.	2.	280.
14 3 38	63.	81.	49.	96.	85.	84.	101.	91.	91.	91.	43.	2.	276.
14 3 43	63.	79.	56.	96.	86.	82.	96.	88.	95.	90.	55.	2.	254.
14 3 43	63.	80.	60.	95.	86.	83.	99.	90.	93.	91.	58.	2.	272.
14 43 48	68.	85.	74.	96.	85.	83.	97.	88.	95.	85.	65.	1.	293.
14 3 53	69.	86.	78.	96.	85.	81.	97.	86.	93.	84.	78.	1.	298.
14 43 58	72.	86.	88.	95.	86.	84.	99.	91.	89.	91.	94.	1.	309.
14 4 3	74.	87.	92.	96.	85.	84.	98.	87.	91.	87.	99.	1.	318.
14 4 8	78.	89.	99.	97.	86.	84.	97.	88.	88.	85.	112.	1.	322.
14 4 14	77.	87.	96.	96.	86.	83.	98.	90.	90.	88.	115.	1.	326.
14 4 19	77.	84.	98.	95.	86.	84.	98.	93.	92.	93.	123.	0.	339.
14 4 24	77.	84.	97.	95.	85.	83.	98.	91.	92.	94.	127.	0.	344.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
14 4 29	80.	91.	93.	96.	85.	82.	99.	88.	89.	84.	137.	0.	357.
14 4 34	81.	90.	92.	97.	86.	82.	98.	86.	90.	85.	141.	0.	361.
14 4 39	78.	84.	86.	95.	88.	80.	98.	84.	91.	93.	150.	1.	388.
14 4 44	79.	84.	86.	96.	87.	82.	96.	84.	93.	92.	155.	0.	382.
14 4 49	82.	88.	85.	97.	86.	82.	95.	82.	93.	86.	178.	1.	384.
14 4 54	80.	87.	84.	99.	85.	82.	95.	83.	92.	85.	187.	1.	397.
14 4 59	78.	84.	79.	97.	87.	83.	95.	86.	95.	95.	187.	0.	430.
14 5 4	80.	86.	81.	97.	87.	83.	97.	86.	93.	90.	187.	0.	433.
14 5 9	78.	79.	77.	95.	85.	83.	98.	93.	90.	91.	194.	0.	448.
14 5 14	80.	83.	79.	96.	85.	83.	97.	88.	91.	88.	195.	0.	462.
14 5 19	76.	83.	77.	94.	84.	84.	97.	91.	91.	93.	197.	-1.	459.
14 5 24	78.	87.	79.	95.	84.	83.	98.	82.	91.	88.	196.	-8.	467.
14 5 29	78.	85.	78.	97.	85.	84.	95.	84.	93.	92.	197.	-0.	489.
14 5 39	78.	86.	78.	91.	85.	83.	96.	88.	91.	98.	195.	0.	500.
14 5 39	80.	90.	80.	97.	86.	82.	97.	85.	92.	84.	193.	0.	524.
14 5 44	78.	87.	78.	96.	85.	83.	97.	88.	91.	88.	194.	1.	520.
14 5 49	79.	90.	78.	97.	86.	82.	95.	87.	92.	84.	194.	0.	535.
14 5 54	78.	87.	75.	94.	85.	82.	96.	88.	91.	84.	151.	-8.	533.
14 5 59	75.	86.	77.	93.	87.	82.	97.	90.	94.	86.	28.	0.	535.
14 5 9	76.	88.	81.	95.	86.	82.	97.	87.	91.	85.	23.	1.	530.
14 6 14	79.	89.	80.	98.	86.	80.	95.	82.	93.	84.	19.	1.	529.
14 6 19	79.	90.	77.	97.	85.	81.	96.	86.	91.	86.	19.	1.	532.
14 6 19	76.	85.	74.	98.	86.	82.	97.	88.	93.	87.	22.	1.	518.
14 5 24	78.	85.	74.	98.	86.	82.	96.	87.	91.	84.	20.	1.	518.
14 16 29	78.	92.	63.	97.	84.	88.	99.	92.	87.	88.	21.	1.	459.
14 14 36	74.	89.	56.	98.	84.	85.	101.	93.	89.	90.	21.	1.	369.
14 14 41	67.	84.	49.	97.	85.	83.	100.	93.	92.	93.	20.	1.	290.
14 14 46	68.	86.	49.	98.	86.	83.	100.	92.	90.	91.	19.	1.	277.
14 14 51	71.	89.	50.	100.	85.	82.	100.	88.	90.	83.	18.	1.	278.
14 15 1	71.	87.	48.	101.	85.	82.	100.	87.	91.	84.	19.	1.	288.
14 15 6	70.	86.	50.	100.	87.	81.	101.	84.	84.	87.	22.	1.	266.
14 15 11	70.	86.	50.	100.	85.	82.	99.	85.	89.	87.	21.	1.	270.
14 15 11	68.	88.	48.	102.	87.	78.	98.	89.	94.	95.	19.	1.	265.
14 15 16	66.	81.	48.	99.	87.	81.	99.	91.	93.	95.	19.	1.	268.
14 15 21	68.	82.	48.	97.	86.	84.	98.	93.	93.	95.	18.	1.	274.
14 15 26	66.	83.	47.	98.	86.	83.	100.	94.	92.	94.	19.	1.	280.
14 15 31	69.	85.	48.	99.	85.	84.	102.	95.	90.	92.	21.	1.	284.
14 15 36	67.	84.	47.	99.	85.	83.	101.	94.	91.	93.	20.	1.	289.
14 15 42	71.	87.	42.	97.	85.	82.	99.	88.	91.	84.	19.	1.	271.
14 15 47	70.	87.	46.	98.	85.	83.	100.	90.	90.	88.	20.	1.	270.
14 15 52	71.	87.	50.	100.	86.	84.	99.	88.	90.	84.	20.	1.	278.
14 17 19	71.	87.	53.	100.	86.	83.	99.	87.	91.	84.	20.	1.	274.
14 17 24	69.	82.	52.	98.	86.	84.	100.	91.	93.	96.	21.	1.	283.
14 17 29	69.	81.	53.	99.	85.	83.	96.	88.	95.	93.	18.	1.	288.
14 17 34	71.	88.	56.	99.	85.	84.	103.	90.	80.	88.	19.	1.	293.
14 17 39	69.	87.	55.	97.	85.	84.	102.	92.	89.	91.	20.	1.	296.
14 17 44	69.	86.	55.	97.	85.	83.	101.	94.	89.	87.	19.	1.	300.
14 17 54	70.	87.	56.	98.	85.	84.	99.	94.	88.	87.	21.	1.	296.
14 17 59	69.	83.	56.	99.	86.	86.	99.	90.	95.	96.	20.	1.	295.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AIR REG
04													
14 18 4	69.	83.	56.	99.	86.	84.	99.	89.	96.	93.	20.	1.	287.
14 18 4	71.	84.	56.	103.	86.	83.	98.	89.	95.	98.	21.	0.	285.
14 18 9	71.	87.	56.	101.	86.	81.	99.	90.	92.	85.	21.	1.	282.
14 18 14	70.	88.	55.	98.	86.	79.	103.	94.	98.	87.	19.	1.	285.
14 18 19	71.	88.	54.	96.	85.	81.	103.	93.	89.	87.	19.	1.	289.
14 32 7	68.	84.	47.	91.	84.	84.	100.	85.	49.	91.	2.	-0.	273.
14 32 13	69.	84.	48.	91.	85.	82.	99.	84.	89.	88.	-1.	0.	274.
14 32 18	71.	86.	52.	91.	86.	81.	97.	85.	93.	87.	-2.	0.	251.
14 32 23	71.	83.	52.	90.	85.	82.	97.	86.	95.	87.	-3.	0.	256.
14 32 28	69.	82.	53.	88.	88.	83.	96.	88.	95.	90.	-1.	0.	244.
14 32 33	69.	83.	52.	99.	87.	76.	97.	89.	93.	92.	-3.	0.	245.
14 32 39	68.	84.	51.	86.	85.	83.	100.	95.	87.	91.	-3.	0.	227.
14 32 44	69.	87.	53.	87.	85.	83.	100.	94.	86.	88.	-3.	-0.	235.
14 32 49	70.	90.	55.	88.	86.	82.	101.	95.	88.	86.	-5.	0.	245.
14 32 54	70.	90.	54.	87.	85.	82.	101.	95.	88.	88.	-4.	0.	248.
14 32 59	72.	91.	56.	86.	86.	82.	99.	90.	90.	84.	-6.	0.	231.
14 33 4	72.	91.	57.	87.	85.	82.	100.	90.	87.	83.	-4.	-0.	228.
14 33 9	72.	90.	58.	88.	85.	82.	99.	90.	89.	84.	-4.	-0.	218.
14 33 14	72.	91.	56.	89.	85.	82.	98.	91.	89.	84.	-5.	0.	224.

C COMMUTATOR

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 1 1	-1.	20.000	100.	71.	168.	89.	76.	2.	1.84	1.88	86.	.04	75.
13 1 12	-1.	20.000	100.	71.	156.	89.	74.	0.	1.89	1.18	86.	.06	76.
13 1 17	-3.	20.000	100.	71.	141.	88.	75.	-1.	2.83	1.00	85.	0.00	76.
13 1 22	-2.	20.000	100.	71.	144.	89.	75.	0.	1.96	1.09	86.	.02	76.
13 1 27	-1.	20.000	100.	69.	143.	89.	76.	-1.	2.01	1.17	86.	.06	77.
13 1 32	-1.	20.000	100.	70.	147.	89.	76.	-0.	1.96	1.08	87.	.05	77.
13 1 32	-0.	20.000	100.	71.	137.	89.	76.	1.	1.72	1.13	86.	.14	78.
13 1 38	-0.	20.000	100.	72.	142.	89.	76.	-0.	1.80	1.24	86.	.12	78.
13 41 48	-1.	20.000	100.	71.	149.	90.	76.	-1.	1.80	1.31	84.	0.00	77.
13 1 53	-1.	20.000	100.	71.	147.	89.	76.	-0.	1.82	1.20	85.	-.01	78.
13 41 58	-0.	20.000	100.	71.	152.	89.	76.	-1.	1.80	1.15	86.	-.02	78.
13 41 58	-0.	20.000	100.	72.	152.	89.	76.	-0.	1.76	1.20	86.	.05	78.
13 2 3	-0.	20.000	100.	72.	152.	90.	76.	-3.	1.62	1.17	84.	0.00	76.
13 42 8	-1.	20.000	100.	68.	151.	89.	76.	-1.	1.68	1.15	79.	.01	76.
13 2 13	-1.	20.000	100.	71.	133.	89.	78.	0.	1.78	1.08	84.	.04	80.
13 2 18	-1.	20.000	100.	74.	139.	89.	77.	-1.	1.79	1.15	85.	.05	79.
13 2 23	-1.	20.000	100.	63.	151.	89.	77.	-1.	1.58	.92	84.	.10	76.
13 4 6	-1.	20.000	100.	68.	150.	89.	77.	-1.	1.65	1.02	85.	.09	77.
13 4 11	31.	20.000	100.	35.	289.	111.	35.	55.	3.11	6.20	78.	.33	38.
13 4 11	30.	20.000	100.	36.	299.	113.	39.	55.	8.54	5.48	71.	.34	37.
13 4 16	30.	20.000	100.	37.	320.	116.	40.	56.	7.61	4.30	59.	.35	39.
13 4 21	37.	20.000	100.	44.	329.	112.	50.	29.	4.79	2.38	68.	.24	40.
13 4 26	43.	20.000	100.	47.	319.	109.	58.	1.	1.86	.66	64.	.18	45.
13 4 31	43.	20.000	100.	47.	312.	108.	59.	0.	1.93	.64	65.	.21	49.
13 4 44	34.	20.000	100.	50.	296.	106.	63.	0.	2.07	.51	69.	.18	42.
13 4 42	33.	20.000	100.	50.	299.	115.	63.	0.	2.05	.50	70.	.24	46.
13 4 47	36.	20.000	100.	51.	299.	104.	60.	0.	1.94	.63	73.	.29	50.
13 4 52	36.	20.000	100.	52.	294.	103.	71.	-0.	1.96	.49	74.	.25	52.
13 4 65	34.	20.000	100.	53.	279.	101.	76.	0.	2.15	.61	74.	.25	52.
13 5 2	34.	20.000	100.	55.	283.	101.	76.	0.	2.11	.58	75.	.24	54.
13 5 7	43.	20.000	100.	53.	288.	100.	76.	0.	2.19	.49	76.	.41	55.
13 5 12	43.	20.000	100.	53.	276.	97.	77.	-0.	2.18	.52	77.	.38	55.
13 5 17	43.	20.000	100.	56.	269.	99.	79.	-1.	2.23	.61	77.	.23	56.
13 5 22	43.	20.000	100.	56.	263.	100.	81.	-0.	2.27	.72	78.	.22	57.
13 5 27	43.	20.000	100.	58.	270.	95.	83.	0.	2.33	.98	82.	.14	60.
13 5 32	43.	20.000	100.	57.	260.	95.	82.	-0.	2.33	.94	81.	.18	59.
13 5 37	43.	20.000	100.	58.	260.	97.	80.	-10.	2.27	.90	88.	.23	56.
13 5 42	36.	20.000	100.	46.	270.	95.	57.	20.	4.89	3.23	80.	.29	52.
13 5 47	32.	20.000	100.	35.	293.	101.	35.	51.	12.16	10.05	88.	.35	40.
13 5 52	26.	20.000	100.	38.	286.	104.	36.	42.	8.70	6.69	78.	.38	39.
13 5 57	19.	20.000	100.	37.	289.	110.	35.	35.	4.71	2.39	78.	.14	40.
13 6 7	19.	20.000	100.	36.	283.	109.	36.	35.	4.70	2.42	79.	.21	41.
13 6 7	16.	20.000	100.	39.	270.	106.	39.	30.	4.09	2.09	78.	.31	39.
13 6 12	16.	20.000	100.	39.	261.	105.	40.	30.	4.04	2.07	78.	.29	39.
13 6 17	15.	20.000	100.	37.	244.	105.	35.	29.	4.18	2.17	81.	.31	42.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV273-PV274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
13 6 22	16.	20.000	100.	37.	251.	107.	34.	30.	4.12	2.34	80.	.27	41.
13 6 27	16.	20.000	100.	37.	251.	103.	35.	30.	4.18	2.07	79.	.29	40.
13 6 37	16.	20.000	100.	37.	247.	103.	37.	29.	4.22	2.11	80.	.31	40.
13 6 42	16.	20.000	100.	41.	242.	105.	32.	29.	4.05	2.19	79.	.31	39.
13 6 47	15.	20.000	100.	40.	240.	105.	35.	29.	4.05	2.13	79.	.34	38.
13 6 47	16.	20.000	100.	32.	231.	107.	33.	30.	4.20	2.09	79.	.33	40.
13 6 52	16.	20.000	100.	35.	234.	106.	34.	29.	4.27	2.07	80.	.33	40.
13 6 57	19.	20.000	100.	35.	250.	104.	32.	36.	5.02	2.54	79.	.22	40.
13 7 2	22.	20.000	100.	35.	259.	105.	36.	41.	6.01	3.25	79.	.25	37.
13 7 7	29.	20.000	100.	34.	268.	112.	35.	54.	8.43	4.85	76.	.45	38.
13 7 12	31.	20.000	100.	36.	281.	114.	42.	57.	8.93	4.70	63.	.71	38.
13 7 18	38.	20.000	100.	37.	309.	119.	49.	71.	10.69	4.97	40.	1.00	37.
13 7 23	40.	20.000	100.	36.	314.	122.	50.	74.	11.03	5.38	39.	1.11	39.
13 7 28	48.	20.000	100.	37.	340.	125.	54.	87.	13.06	6.76	38.	1.68	37.
13 7 33	46.	20.000	100.	37.	362.	129.	53.	87.	13.14	6.84	39.	1.64	37.
13 7 38	46.	20.000	100.	37.	408.	134.	48.	77.	11.63	5.90	39.	1.51	39.
13 7 43	39.	20.000	100.	38.	403.	132.	42.	67.	9.30	4.75	41.	1.09	38.
13 7 48	32.	20.000	100.	35.	376.	127.	41.	57.	7.57	3.62	42.	.68	40.
13 7 53	32.	20.000	100.	37.	379.	124.	44.	56.	7.56	3.66	40.	.66	39.
13 7 58	32.	20.000	100.	35.	394.	125.	44.	57.	7.74	3.75	40.	.63	39.
13 8 3	32.	20.000	100.	38.	384.	124.	46.	57.	7.59	3.67	38.	.65	38.
13 48 8	33.	20.000	100.	40.	386.	121.	47.	56.	7.59	3.68	37.	.66	37.
13 8 13	33.	20.000	100.	39.	386.	123.	44.	57.	7.43	3.68	38.	.66	38.
13 8 18	14.	20.000	100.	56.	359.	121.	58.	23.	4.14	1.49	42.	.12	46.
13 8 23	15.	20.000	100.	55.	348.	119.	54.	26.	4.38	1.77	42.	.22	47.
13 8 28	19.	20.000	100.	45.	322.	116.	44.	31.	4.89	2.17	44.	.35	46.
13 8 33	21.	20.000	100.	40.	328.	117.	39.	35.	5.36	2.64	44.	.33	43.
13 8 43	22.	20.000	100.	37.	327.	116.	36.	40.	5.81	2.93	47.	.23	37.
13 8 43	22.	20.000	100.	37.	325.	116.	35.	40.	5.83	3.08	46.	.31	37.
13 48 48	22.	20.000	100.	35.	315.	114.	35.	40.	5.98	3.07	37.	.31	38.
13 8 53	22.	20.000	100.	36.	314.	116.	34.	40.	5.95	3.08	40.	.35	38.
13 8 58	22.	20.000	100.	39.	316.	117.	35.	37.	6.00	2.93	42.	.37	37.
13 9 3	22.	20.000	100.	39.	311.	117.	34.	39.	5.94	2.94	41.	.40	38.
13 9 13	22.	20.000	100.	38.	306.	116.	35.	41.	6.18	3.17	40.	.37	32.
13 9 18	22.	20.000	100.	38.	307.	116.	34.	39.	6.05	3.18	40.	.33	35.
13 9 23	22.	20.000	100.	32.	294.	119.	33.	40.	6.25	3.13	40.	.37	37.
13 9 28	22.	20.000	100.	35.	295.	119.	33.	41.	6.26	3.18	39.	.42	38.
13 9 28	22.	20.000	100.	38.	285.	116.	35.	40.	6.37	3.19	42.	.47	39.
13 9 33	22.	20.000	100.	38.	284.	117.	36.	39.	6.38	3.24	40.	.49	38.
13 9 38	22.	20.000	100.	39.	294.	117.	36.	41.	6.49	3.38	40.	.45	37.
13 9 43	22.	20.000	100.	39.	291.	116.	35.	41.	6.53	3.44	37.	.48	38.
13 49 48	22.	20.000	100.	40.	279.	121.	35.	42.	6.31	3.34	39.	.43	39.
13 9 53	22.	20.000	100.	40.	286.	118.	35.	39.	6.28	3.38	38.	.44	39.
13 9 59	22.	20.000	100.	38.	279.	120.	36.	42.	6.28	3.42	39.	.35	38.
13 10 4	22.	20.000	100.	38.	286.	120.	36.	42.	6.32	3.43	39.	.34	35.
13 10 9	22.	20.000	100.	35.	283.	118.	34.	40.	6.31	3.38	40.	.49	38.
13 10 22	22.	20.000	100.	36.	285.	119.	35.	40.	6.30	3.36	40.	.50	36.
13 10 19	22.	20.000	100.	37.	294.	119.	37.	42.	6.41	3.46	34.	.45	32.
13 10 24	22.	20.000	100.	35.	289.	119.	35.	41.	6.43	3.33	33.	.47	35.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV270-PV274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 10 29	22.	20.000	100.	38.	269.	117.	39.	40.	6.57	3.19	46.	.43	38.
13 10 34	22.	20.000	100.	38.	283.	117.	39.	41.	6.61	3.59	42.	.40	38.
13 10 39	22.	20.000	100.	37.	283.	117.	37.	42.	6.55	3.75	40.	.35	38.
13 10 44	22.	20.000	100.	37.	286.	119.	38.	41.	6.52	3.65	36.	.37	39.
13 10 49	22.	20.000	100.	38.	289.	123.	35.	42.	6.37	3.52	39.	.49	37.
13 10 54	22.	20.000	100.	37.	282.	122.	36.	37.	6.39	3.46	39.	.44	38.
13 11 43	35.	20.000	100.	37.	293.	126.	50.	68.	10.28	5.28	35.	1.09	37.
13 51 48	37.	20.000	100.	37.	304.	128.	47.	72.	10.79	5.52	31.	1.12	37.
13 51 58	42.	20.000	100.	39.	355.	135.	42.	80.	12.06	6.33	36.	1.21	36.
13 12 3	44.	20.000	100.	39.	361.	136.	45.	83.	12.39	6.53	36.	1.24	36.
13 12 3	47.	20.000	100.	39.	396.	141.	43.	87.	12.77	7.17	35.	1.41	35.
13 52 8	47.	20.000	100.	39.	395.	143.	44.	90.	13.21	7.36	36.	1.51	36.
13 12 13	48.	20.000	100.	39.	399.	142.	52.	84.	11.38	6.45	37.	1.27	38.
13 12 18	49.	20.000	100.	37.	404.	143.	49.	78.	10.90	6.12	37.	1.20	38.
13 12 28	48.	20.000	100.	41.	403.	139.	48.	69.	9.74	4.97	35.	1.02	37.
13 12 33	48.	20.000	100.	40.	406.	139.	49.	68.	9.45	4.77	36.	.97	36.
13 12 38	48.	20.000	100.	32.	399.	141.	51.	71.	9.76	5.02	32.	.94	37.
13 12 38	48.	20.000	100.	35.	406.	140.	49.	70.	9.78	4.99	35.	.93	38.
13 12 43	47.	20.000	100.	37.	406.	143.	46.	74.	10.30	5.06	37.	1.00	35.
13 52 48	47.	20.000	100.	38.	405.	140.	49.	73.	10.05	4.98	38.	1.00	37.
13 12 53	47.	20.000	100.	39.	410.	141.	48.	73.	9.60	4.91	37.	.90	37.
13 12 58	47.	20.000	100.	40.	415.	139.	49.	73.	9.59	5.02	37.	.90	37.
13 13 3	47.	20.000	100.	40.	435.	149.	46.	68.	9.58	5.08	37.	1.02	32.
13 13 9	47.	20.000	100.	40.	430.	148.	43.	71.	9.48	5.07	38.	.97	35.
13 13 14	47.	20.000	100.	37.	439.	152.	48.	73.	9.70	5.00	37.	1.06	37.
13 13 19	47.	20.000	100.	36.	435.	152.	47.	70.	9.57	4.92	37.	.95	38.
13 13 24	47.	20.000	100.	40.	429.	150.	47.	66.	8.48	4.83	46.	1.02	38.
13 13 29	48.	20.000	100.	38.	421.	150.	46.	64.	8.33	4.64	54.	.92	38.
13 13 34	48.	20.000	100.	38.	413.	151.	45.	58.	7.90	4.05	80.	.76	37.
13 13 39	49.	20.000	100.	38.	413.	149.	44.	57.	7.70	4.13	86.	.68	38.
13 13 44	48.	20.000	100.	39.	394.	149.	42.	53.	7.27	3.99	103.	.72	39.
13 13 49	48.	20.000	100.	37.	403.	152.	42.	70.	9.68	5.37	75.	1.80	38.
13 13 54	48.	20.000	100.	37.	443.	158.	48.	80.	10.19	5.53	40.	1.02	39.
13 13 59	48.	20.000	100.	37.	438.	158.	48.	77.	9.59	5.18	39.	.99	37.
13 14 4	48.	20.000	100.	39.	435.	158.	44.	73.	8.99	5.04	37.	.76	38.
13 14 9	48.	20.000	100.	39.	439.	159.	45.	73.	8.95	5.04	38.	.83	38.
13 14 14	47.	20.000	100.	37.	435.	161.	46.	68.	8.76	5.06	38.	1.00	39.
13 14 19	48.	20.000	100.	38.	433.	160.	44.	67.	8.76	5.02	80.	1.09	36.
13 14 24	48.	20.000	100.	37.	434.	160.	40.	61.	8.25	5.12	153.	1.09	38.
13 14 34	48.	20.000	100.	38.	431.	161.	39.	59.	8.20	5.00	162.	1.10	38.
13 14 34	48.	20.000	100.	44.	399.	158.	42.	55.	7.88	4.44	185.	.98	39.
13 14 39	48.	20.000	100.	41.	404.	159.	40.	49.	7.80	4.31	191.	.99	39.
13 14 44	49.	20.000	100.	42.	414.	158.	42.	54.	6.94	3.48	182.	.68	46.
13 14 49	48.	20.000	100.	38.	425.	160.	43.	70.	8.48	4.87	121.	.95	41.
13 14 54	48.	20.000	100.	41.	438.	164.	42.	74.	9.38	5.20	46.	.92	37.
13 15 4	48.	20.000	100.	41.	438.	165.	40.	73.	9.17	5.03	43.	.89	37.
13 15 9	48.	20.000	100.	37.	450.	166.	42.	70.	8.56	4.61	34.	.90	39.
13 15 14	48.	20.000	100.	38.	439.	165.	43.	68.	8.50	4.57	39.	.87	39.
13 15 19	48.	20.000	100.	37.	439.	165.	39.	66.	8.54	4.30	40.	.61	39.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR OF SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 15 19	48.	20.000	100.	38.	436.	166.	37.	65.	8.50	4.38	43.	.76	38.
13 15 24	48.	20.000	100.	40.	434.	169.	37.	62.	8.41	4.14	56.	.84	37.
13 15 29	48.	20.000	100.	40.	432.	167.	41.	62.	8.31	4.12	63.	.77	38.
13 15 34	48.	20.000	100.	40.	438.	168.	36.	59.	8.31	4.36	77.	.66	38.
13 15 39	49.	20.000	100.	39.	423.	166.	37.	59.	8.18	4.53	81.	.74	38.
13 15 44	48.	20.000	100.	39.	394.	166.	37.	60.	8.37	4.79	73.	.61	38.
13 15 50	48.	20.000	100.	38.	412.	168.	40.	75.	9.92	5.76	58.	.85	37.
13 15 55	48.	20.000	100.	37.	453.	172.	48.	79.	9.87	5.85	40.	1.05	37.
13 16 0	48.	20.000	100.	36.	450.	172.	47.	76.	9.58	5.56	41.	1.00	37.
13 16 5	48.	20.000	100.	35.	459.	172.	44.	75.	9.23	5.18	40.	.92	38.
13 16 10	48.	20.000	100.	37.	455.	175.	40.	75.	9.31	5.27	38.	.97	38.
13 16 15	48.	20.000	100.	37.	438.	177.	42.	76.	9.33	5.20	37.	.98	37.
13 16 20	48.	20.000	100.	38.	439.	178.	41.	72.	9.29	5.24	84.	1.11	37.
13 16 25	48.	20.000	100.	40.	433.	177.	44.	64.	8.84	5.00	161.	1.21	39.
13 16 30	48.	20.000	100.	40.	427.	176.	44.	61.	8.80	5.23	178.	1.15	39.
13 16 35	48.	20.000	100.	44.	424.	177.	32.	54.	8.66	5.08	192.	.94	41.
13 16 40	48.	20.000	100.	43.	418.	175.	38.	54.	8.61	4.92	193.	.97	41.
13 16 53	48.	20.000	100.	46.	410.	176.	44.	53.	7.82	4.28	198.	.72	42.
13 16 58	48.	20.000	100.	41.	428.	177.	39.	70.	9.27	5.46	127.	.95	40.
13 56 55	49.	20.000	100.	37.	425.	178.	43.	80.	9.93	5.67	46.	.90	38.
13 17 0	49.	20.000	100.	38.	435.	100.	44.	76.	9.71	5.47	44.	.87	35.
13 17 10	48.	20.000	100.	39.	453.	181.	39.	69.	9.09	4.81	42.	.68	38.
13 17 10	48.	20.000	100.	40.	448.	181.	38.	66.	9.06	4.81	43.	.70	38.
13 17 15	49.	20.000	100.	40.	435.	100.	44.	66.	9.09	4.50	43.	.66	39.
13 17 20	48.	20.000	100.	40.	436.	100.	43.	66.	9.08	4.42	46.	.66	39.
13 17 25	48.	20.000	100.	40.	427.	180.	45.	63.	8.31	4.57	61.	.72	44.
13 17 30	48.	20.000	100.	42.	430.	181.	39.	64.	8.42	4.62	64.	.66	40.
13 17 40	48.	20.000	100.	43.	409.	183.	42.	60.	8.74	4.58	76.	.78	40.
13 17 45	48.	20.000	100.	40.	414.	182.	42.	60.	8.98	4.53	76.	.69	41.
13 17 50	48.	20.000	100.	43.	430.	182.	40.	67.	9.89	5.12	67.	.66	42.
13 17 55	48.	20.000	100.	40.	435.	184.	36.	81.	10.96	5.88	55.	.97	40.
13 17 55	48.	20.000	100.	35.	443.	187.	39.	80.	10.75	6.26	39.	.94	37.
13 18 0	47.	20.000	100.	37.	454.	189.	37.	79.	10.60	6.13	38.	.90	37.
13 18 5	48.	20.000	100.	40.	477.	191.	35.	79.	10.17	5.77	39.	.61	37.
13 18 10	47.	20.000	100.	39.	472.	191.	35.	78.	10.34	5.76	39.	.68	37.
13 18 15	47.	20.000	100.	39.	444.	191.	40.	75.	11.31	6.00	63.	1.31	36.
13 18 20	47.	20.000	100.	43.	449.	192.	42.	72.	10.97	5.95	102.	1.28	39.
13 18 26	48.	20.000	100.	44.	452.	193.	42.	64.	10.65	5.43	163.	1.13	46.
13 18 31	48.	20.000	100.	45.	443.	192.	45.	63.	10.56	5.28	169.	1.10	43.
13 18 36	48.	20.000	100.	48.	423.	191.	46.	58.	10.01	4.81	187.	1.13	43.
13 18 41	48.	20.000	100.	47.	423.	190.	47.	55.	10.01	4.80	193.	1.06	44.
13 18 46	48.	20.000	100.	52.	414.	189.	51.	52.	9.19	4.36	204.	.84	44.
13 18 51	48.	20.000	100.	42.	428.	190.	44.	70.	11.46	5.49	134.	.97	43.
13 18 56	48.	20.000	100.	39.	445.	193.	38.	80.	12.02	6.59	58.	1.90	40.
13 19 1	48.	20.000	100.	40.	453.	195.	41.	83.	12.82	7.39	51.	2.93	40.
13 19 6	49.	20.000	100.	48.	465.	199.	45.	77.	12.86	7.43	54.	3.66	42.
13 19 11	48.	20.000	100.	45.	465.	199.	42.	74.	11.84	6.21	52.	2.38	42.
13 19 16	48.	20.000	100.	44.	444.	198.	39.	66.	10.32	5.00	48.	.76	37.
13 19 21	47.	20.000	100.	44.	444.	197.	44.	67.	10.23	5.16	48.	.72	40.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 22 24	25.	20.000	100.	48.	434.	198.	45.	48.	9.05	4.03	47.	.41	46.
13 22 29	23.	20.000	100.	47.	368.	192.	49.	47.	9.51	3.26	50.	.40	49.
13 22 34	22.	20.000	100.	55.	319.	187.	52.	44.	10.13	2.60	55.	.33	52.
13 22 34	22.	20.000	100.	54.	299.	180.	50.	46.	10.14	2.49	54.	.35	50.
13 22 39	22.	20.000	100.	54.	307.	187.	56.	46.	10.13	2.50	54.	.47	51.
13 22 44	22.	20.000	100.	54.	303.	107.	55.	46.	10.25	2.40	54.	.46	51.
13 22 49	22.	20.000	100.	48.	298.	183.	56.	35.	10.22	2.60	53.	.51	51.
13 22 54	22.	20.000	100.	51.	312.	184.	56.	37.	10.19	2.63	53.	.42	52.
13 22 59	22.	20.000	100.	56.	326.	105.	53.	45.	10.30	2.64	53.	.35	51.
13 23 4	22.	20.000	100.	54.	312.	105.	52.	45.	10.36	2.58	54.	.37	51.
13 23 10	22.	20.000	100.	54.	329.	185.	48.	45.	10.52	2.62	53.	.37	52.
13 23 15	22.	20.000	100.	54.	322.	185.	50.	45.	10.60	2.52	53.	.40	51.
13 23 20	22.	20.000	100.	51.	295.	181.	54.	47.	10.64	2.50	53.	.45	51.
13 23 25	22.	20.000	100.	52.	302.	183.	50.	46.	10.60	2.35	52.	.42	51.
13 23 30	22.	20.000	100.	53.	305.	102.	53.	44.	10.46	2.74	54.	.25	49.
13 23 35	22.	20.000	100.	51.	309.	181.	54.	43.	10.64	2.66	54.	.35	50.
13 23 40	21.	20.000	100.	51.	315.	182.	55.	45.	10.13	2.64	54.	.37	50.
13 23 45	22.	20.000	100.	52.	297.	192.	53.	45.	10.07	2.64	52.	.32	47.
13 23 50	21.	20.000	100.	49.	304.	180.	50.	44.	9.93	2.89	54.	.35	49.
13 23 55	22.	20.000	100.	51.	304.	179.	51.	44.	9.92	3.06	54.	.33	47.
13 24 0	22.	20.000	100.	50.	303.	180.	54.	47.	10.19	3.19	53.	.37	49.
13 24 5	22.	20.000	100.	51.	311.	182.	52.	46.	10.05	3.32	53.	.37	49.
13 24 10	21.	20.000	100.	50.	307.	182.	50.	44.	9.83	3.71	53.	.27	50.
13 24 15	22.	20.000	100.	50.	305.	181.	49.	44.	9.92	3.55	52.	.34	50.
13 24 20	22.	20.000	100.	48.	311.	180.	51.	48.	10.13	4.46	48.	.37	51.
13 24 25	22.	20.000	100.	49.	316.	180.	50.	46.	10.14	4.21	50.	.36	48.
13 24 30	22.	20.000	100.	50.	315.	178.	53.	43.	10.01	6.06	51.	-.02	49.
13 24 35	22.	20.000	100.	48.	316.	181.	52.	45.	10.05	6.28	49.	.20	49.
13 24 40	22.	20.000	100.	48.	279.	180.	48.	44.	9.81	6.10	51.	.23	50.
13 24 50	22.	20.000	100.	49.	292.	100.	49.	44.	9.83	6.13	50.	.29	50.
13 24 55	21.	20.000	100.	52.	310.	177.	56.	44.	9.85	5.90	54.	.45	48.
13 25 0	22.	20.000	100.	51.	311.	177.	54.	45.	9.86	5.84	53.	.42	48.
13 25 5	22.	20.000	100.	52.	299.	178.	48.	44.	9.87	6.08	50.	.35	48.
13 25 10	22.	20.000	100.	51.	299.	178.	50.	43.	9.88	6.17	50.	.36	49.
13 25 15	22.	20.000	100.	48.	205.	178.	50.	44.	10.21	6.14	51.	.22	49.
13 25 23	22.	20.000	100.	50.	298.	178.	49.	45.	10.11	6.26	51.	.25	50.
13 25 20	22.	20.000	100.	50.	306.	167.	50.	44.	9.93	6.12	52.	.33	48.
13 25 25	22.	20.000	100.	49.	303.	173.	49.	43.	9.83	6.36	51.	.24	48.
13 25 30	22.	20.000	100.	48.	296.	178.	48.	44.	9.91	6.30	49.	.29	48.
13 25 35	22.	20.000	100.	49.	303.	178.	48.	45.	9.96	6.05	50.	.34	48.
13 25 40	22.	20.000	100.	50.	314.	175.	54.	45.	9.97	6.16	50.	.47	48.
13 25 46	22.	20.000	100.	50.	311.	177.	51.	44.	10.02	6.41	51.	.36	48.
13 25 51	22.	20.000	100.	48.	284.	159.	53.	43.	10.03	6.18	52.	.25	48.
13 25 56	21.	20.000	100.	48.	289.	173.	53.	43.	10.19	5.86	50.	.29	48.
13 26 1	21.	20.000	100.	50.	324.	178.	47.	45.	10.46	5.36	50.	.37	48.
13 26 6	22.	20.000	100.	49.	312.	176.	49.	44.	10.42	5.33	50.	.31	48.
13 26 11	21.	20.000	100.	52.	298.	157.	45.	43.	10.67	5.51	49.	.55	48.
13 26 16	22.	20.000	100.	50.	296.	166.	49.	38.	10.69	5.54	51.	.34	48.
13 26 21	22.	20.000	100.	48.	298.	178.	48.	44.	11.03	5.51	50.	.31	47.

TIME H/M/S	EC 27 RESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 FRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 26 26	22.	20.000	100.	48.	291.	176.	46.	45.	11.10	5.55	51.	.43	47.
13 26 31	21.	20.000	100.	49.	303.	175.	48.	42.	11.28	5.36	50.	.43	47.
13 26 36	21.	20.000	100.	48.	301.	175.	49.	43.	11.26	5.26	49.	.21	47.
13 26 41	22.	20.000	100.	47.	315.	176.	42.	45.	11.52	4.95	49.	.37	47.
13 26 46	22.	20.000	100.	48.	315.	176.	43.	44.	11.42	4.82	49.	.29	47.
13 49 8	22.	20.000	100.	44.	309.	163.	42.	44.	9.64	7.39	48.	.14	42.
13 49 13	22.	20.000	100.	44.	309.	163.	40.	44.	9.40	7.17	47.	.15	42.
13 49 18	21.	20.000	100.	44.	294.	161.	44.	43.	8.29	7.12	50.	.29	42.
13 49 23	21.	20.000	100.	45.	294.	162.	44.	43.	8.15	7.00	49.	.25	42.
13 49 28	22.	20.000	100.	42.	279.	162.	42.	42.	7.86	7.10	48.	.31	42.
13 49 33	22.	20.000	100.	42.	278.	163.	42.	43.	7.73	7.13	49.	.31	43.
13 49 38	22.	20.000	100.	42.	279.	165.	44.	43.	7.55	7.25	48.	.20	42.
13 49 43	22.	20.000	100.	43.	295.	164.	42.	44.	7.68	7.22	48.	.18	42.
13 49 48	22.	20.000	100.	45.	290.	157.	44.	43.	7.74	6.92	46.	.27	40.
13 49 58	22.	20.000	100.	43.	293.	160.	44.	43.	7.80	7.00	47.	.22	41.
13 50 3	21.	20.000	100.	42.	288.	163.	42.	43.	7.80	7.10	50.	.35	43.
13 50 8	21.	20.000	100.	43.	293.	153.	42.	43.	7.64	6.94	51.	.35	43.
13 50 13	23.	20.000	100.	42.	299.	164.	46.	44.	7.82	6.90	50.	.12	37.
13 50 18	22.	20.000	100.	42.	295.	164.	44.	43.	7.75	6.94	50.	.22	40.
13 50 18	22.	20.000	100.	40.	296.	165.	45.	44.	7.61	7.59	48.	.14	43.
13 50 23	21.	20.000	100.	41.	299.	164.	45.	43.	7.67	7.17	49.	.24	44.
13 50 28	22.	20.000	100.	43.	270.	165.	47.	42.	7.51	7.04	51.	.23	42.
13 50 33	22.	20.000	100.	43.	275.	165.	47.	43.	7.55	7.14	51.	.23	42.
13 50 38	22.	20.000	100.	42.	285.	165.	42.	45.	7.64	7.33	49.	.12	46.
13 50 43	22.	20.000	100.	42.	291.	164.	42.	43.	7.64	7.29	50.	.22	44.
13 50 48	21.	20.000	100.	41.	298.	165.	44.	44.	7.66	7.37	50.	.20	42.
13 50 54	21.	20.000	100.	42.	293.	166.	44.	43.	7.74	7.44	48.	.25	39.
13 50 59	22.	20.000	100.	44.	288.	165.	42.	45.	7.62	7.43	48.	.16	42.
13 51 4	21.	20.000	100.	44.	296.	164.	44.	43.	7.68	7.37	47.	.24	42.
13 51 9	23.	20.000	100.	42.	279.	163.	43.	44.	7.64	7.55	32.	-.02	42.
13 51 14	23.	20.000	100.	43.	282.	163.	44.	44.	7.64	7.35	40.	.06	40.
13 51 19	21.	20.000	100.	43.	289.	163.	46.	45.	7.62	7.25	46.	.02	42.
13 51 24	21.	20.000	100.	43.	296.	164.	44.	44.	7.75	7.15	47.	.11	42.
13 51 29	22.	20.000	100.	44.	281.	163.	44.	43.	7.70	7.41	48.	.22	42.
14 3 13	24.	20.000	100.	41.	300.	164.	39.	49.	8.42	5.61	45.	.25	42.
14 3 18	33.	20.000	100.	34.	327.	164.	35.	67.	10.40	4.28	45.	.63	38.
14 3 23	35.	20.000	100.	33.	339.	165.	37.	69.	11.06	4.68	39.	.74	38.
14 3 33	41.	20.000	100.	36.	359.	169.	42.	83.	12.79	5.69	48.	1.13	38.
14 3 38	44.	20.000	100.	37.	364.	170.	42.	89.	13.74	6.34	50.	1.32	37.
14 3 43	48.	20.000	100.	39.	401.	176.	44.	106.	16.17	8.37	56.	1.92	40.
14 3 43	49.	20.000	100.	38.	415.	177.	46.	100.	15.06	7.75	62.	1.82	39.
14 43 48	46.	20.000	100.	40.	433.	182.	47.	83.	12.38	6.30	76.	1.39	36.
14 3 53	49.	20.000	100.	41.	432.	183.	45.	80.	12.03	5.82	80.	1.35	37.
14 43 58	49.	20.000	100.	39.	423.	183.	44.	72.	11.18	4.71	95.	1.17	40.
14 4 3	49.	20.000	100.	40.	417.	183.	44.	68.	10.79	4.46	96.	1.05	39.
14 4 8	49.	20.000	100.	40.	425.	185.	39.	64.	9.68	3.89	102.	.66	38.
14 4 14	49.	20.000	100.	41.	423.	182.	39.	61.	9.61	3.69	103.	.65	38.
14 4 19	48.	20.000	100.	41.	408.	178.	38.	55.	9.33	3.26	103.	.39	44.
14 4 24	49.	20.000	100.	37.	416.	180.	38.	58.	9.39	3.49	99.	.40	42.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SW REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
14 4 29	49.	20.000	100.	37.	435.	182.	39.	62.	9.50	3.68	90.	.51	37.
14 4 34	49.	20.000	100.	37.	430.	182.	39.	62.	9.63	3.70	89.	.51	37.
14 4 39	49.	20.000	100.	38.	409.	183.	37.	60.	9.89	3.40	85.	.61	39.
14 4 44	48.	20.000	100.	38.	420.	183.	38.	62.	9.85	3.68	86.	.54	38.
14 4 49	49.	20.000	100.	39.	453.	186.	42.	63.	9.66	3.64	89.	.45	37.
14 4 54	49.	20.000	100.	39.	460.	186.	39.	66.	9.79	3.83	81.	.50	36.
14 4 59	49.	20.000	100.	38.	474.	185.	37.	63.	9.73	3.75	79.	.45	38.
14 5 4	49.	20.000	100.	38.	471.	184.	40.	63.	9.81	3.71	79.	.52	38.
14 5 9	49.	20.000	100.	38.	468.	178.	38.	62.	10.01	3.44	78.	.63	40.
14 5 14	48.	20.000	100.	38.	466.	182.	38.	61.	9.96	3.47	79.	.55	39.
14 5 19	49.	20.000	100.	40.	502.	190.	34.	65.	9.89	3.56	79.	.31	35.
14 5 24	49.	20.000	100.	40.	490.	188.	36.	64.	9.90	3.55	80.	.38	35.
14 5 29	49.	20.000	100.	39.	526.	190.	32.	65.	9.93	3.66	77.	.43	38.
14 5 39	49.	20.000	100.	38.	522.	190.	30.	64.	9.90	3.53	79.	.53	38.
14 5 39	48.	20.000	100.	39.	529.	193.	37.	65.	10.22	3.46	77.	.61	39.
14 5 44	48.	20.000	100.	39.	534.	193.	38.	65.	10.14	3.56	75.	.56	39.
14 5 49	49.	20.000	100.	39.	543.	195.	39.	65.	10.20	3.56	78.	.60	38.
14 5 54	46.	20.000	100.	40.	546.	195.	38.	65.	10.19	3.59	76.	.57	38.
14 5 59	31.	20.000	100.	46.	529.	194.	44.	50.	9.38	2.64	79.	.35	40.
14 6 9	27.	20.000	100.	52.	522.	194.	51.	41.	8.04	2.25	83.	.18	44.
14 6 14	23.	20.000	100.	56.	479.	193.	58.	38.	8.48	2.52	78.	.20	50.
14 6 19	23.	20.000	100.	56.	474.	192.	58.	36.	8.48	2.46	76.	.18	51.
14 6 19	22.	20.000	100.	55.	428.	191.	53.	40.	8.76	2.54	71.	.20	51.
14 6 24	22.	20.000	100.	55.	419.	190.	54.	40.	8.71	2.58	69.	.14	48.
14 16 29	23.	20.000	100.	55.	425.	191.	56.	43.	8.50	2.74	67.	.12	55.
14 14 36	22.	20.000	100.	52.	360.	182.	52.	43.	7.35	2.60	58.	.06	52.
14 14 41	22.	20.000	100.	48.	384.	177.	46.	47.	6.18	2.29	51.	.08	45.
14 14 46	21.	20.000	100.	49.	384.	178.	48.	46.	6.19	2.42	50.	.18	46.
14 14 51	22.	20.000	100.	49.	310.	177.	48.	45.	6.16	2.48	49.	.22	47.
14 15 1	22.	20.000	100.	49.	385.	177.	48.	45.	6.09	2.54	48.	.22	47.
14 15 6	21.	20.000	100.	45.	311.	177.	50.	46.	6.22	2.42	48.	.08	47.
14 15 11	21.	20.000	100.	47.	383.	178.	50.	46.	6.12	2.58	48.	.15	47.
14 15 11	22.	20.000	100.	49.	319.	176.	47.	48.	5.94	2.23	50.	.22	48.
14 15 16	21.	20.000	100.	48.	316.	175.	47.	41.	5.93	2.20	50.	.19	48.
14 15 21	22.	20.000	100.	48.	316.	176.	42.	44.	5.61	2.35	48.	.22	47.
14 15 26	22.	20.000	100.	48.	290.	176.	45.	42.	5.77	2.39	49.	.17	48.
14 15 31	21.	20.000	100.	48.	299.	175.	48.	44.	6.14	2.35	50.	.14	48.
14 15 36	21.	20.000	100.	51.	291.	175.	48.	45.	5.94	2.39	53.	.13	48.
14 15 42	21.	20.000	100.	50.	317.	167.	48.	42.	5.80	2.17	50.	.16	47.
14 15 47	21.	20.000	100.	50.	321.	173.	50.	43.	5.91	2.24	50.	.11	47.
14 15 52	21.	20.000	100.	53.	318.	175.	52.	43.	5.73	2.27	50.	.02	48.
14 17 19	21.	20.000	100.	51.	316.	176.	51.	44.	5.85	2.22	53.	.13	47.
14 17 24	20.	20.000	100.	48.	325.	176.	48.	43.	5.96	2.15	54.	.10	47.
14 17 29	21.	20.000	100.	49.	321.	175.	47.	43.	5.87	2.14	54.	.12	47.
14 17 34	22.	20.000	100.	52.	334.	180.	45.	42.	5.61	2.31	55.	.16	49.
14 17 39	21.	20.000	100.	53.	342.	179.	49.	42.	5.30	2.33	56.	.07	50.
14 17 44	21.	20.000	100.	55.	356.	182.	58.	42.	5.43	2.15	58.	.23	52.
14 17 54	21.	20.000	100.	56.	383.	184.	57.	41.	5.52	2.12	58.	.12	52.
14 17 59	23.	20.000	100.	54.	384.	187.	52.	42.	5.65	2.15	59.	.14	54.

TIME H/M/S	EC 27 RFSS TOTAL DWNSTR SER AIR PRESS	EC 26 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
14 18 4	22.	20.000	100.	54.	389.	186.	52.	41.	5.62	2.87	58.	.13	53.
14 18 4	22.	20.000	100.	54.	368.	186.	48.	44.	5.63	2.39	55.	.06	53.
14 18 9	22.	20.000	100.	54.	363.	182.	50.	42.	5.72	2.28	55.	.11	52.
14 18 14	23.	20.000	100.	51.	327.	186.	53.	38.	5.79	2.46	55.	.14	52.
14 18 19	22.	20.000	100.	51.	324.	186.	52.	42.	5.82	2.44	54.	.17	51.
14 32 7	3.	20.000	100.	69.	286.	169.	79.	6.	4.22	-.08	45.	-.27	48.
14 32 13	1.	20.000	100.	74.	264.	178.	93.	3.	4.01	-.93	46.	-.17	51.
14 32 18	-1.	20.000	100.	74.	264.	178.	93.	-3.	3.87	-1.21	49.	-.18	48.
14 32 23	-1.	20.000	100.	72.	261.	178.	89.	-1.	3.89	-1.16	49.	-.13	46.
14 32 28	-1.	20.000	100.	68.	298.	169.	81.	-1.	3.97	-1.19	50.	-.20	50.
14 32 33	-1.	20.000	100.	67.	291.	178.	88.	-2.	3.94	-1.15	51.	-.26	50.
14 32 39	-1.	20.000	100.	65.	291.	157.	79.	-3.	3.81	-1.23	52.	-.27	48.
14 32 44	-1.	20.000	100.	65.	285.	162.	78.	-2.	3.77	-1.15	52.	-.22	48.
14 32 49	-2.	20.000	100.	65.	255.	167.	76.	0.	3.87	-1.13	52.	-.12	50.
14 32 54	-2.	20.000	100.	65.	266.	167.	76.	-1.	3.87	-1.09	53.	-.14	50.
14 32 59	-1.	20.000	100.	63.	268.	157.	75.	-2.	3.68	-1.08	56.	-.08	48.
14 33 4	-1.	20.000	100.	63.	276.	162.	75.	-2.	3.72	-1.14	55.	-.13	49.
14 33 9	-1.	20.000	100.	63.	288.	165.	75.	0.	3.93	-1.21	54.	-.23	50.
14 33 14	-1.	20.000	100.	63.	268.	165.	74.	0.	3.89	-1.14	55.	-.21	46.

RUN 125-1A (125 DEGREES F), 22 MARCH 1972

Synopsis

This was the first test at 125 degrees F with minimum humidity (about 10 percent). It was designed to simulate ground operation in a desert environment. After over 34 hours soak at this temperature, the test was begun and all went normally in sequence until the R ENG OIL HOT caution light illuminated about 23 minutes after engine start. After attempting to cool the oil for 3 minutes, the engine was shut down and the checks were continued with the left engine in operation only. Fifty minutes into the run, the L ENG OIL HOT light illuminated, and after a brief attempt to extinguish it, the test was terminated. As explained in the synopsis of run 85-2, the cooling air ejector valves were at fault and were subsequently reenergized. Time constraints on the program prohibited a full length test at this temperature.

Inoperative Parameters

AF-05*
AF-08
AF-39
AF-40
EC-02
EC-28
EC-56
EC-53
EC-101
EC-102
PR-06
PR-27A
EC-56
EC-62
EC-68
EC-87
EC-91
EC-92
EC-99
EC-100

Data Events (hr/min/sec)

Data On	Data Off	Event
085709	085920	Preflight and soak data.
091018	092423	RH engine start, LH engine start, ECS test at 85-percent rpm.
092816	093920	RH ENG OIL HOT light; run up to 90 percent and shutdown.
094706	094716	CADC "high" test.
094825	094835	CADC "low" test.
100022	100408	LH ENG OIL HOT light; run up to 90 percent and shutdown.

*Functions, but is not linear.

Crossed feedback pressure lines to the 4-3 hot air control-stabilizer existed during these tests.

8 COMMUTATOR

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ACRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
8 57 9	0.	1.	0.	1.	0.	1.	22.6	150.89	.2321	49.06	0.	0.	-777.
8 57 14	0.	1.	0.	1.	0.	1.	22.9	149.22	.2202	49.80	0.	0.	-699.
8 57 19	0.	1.	0.	1.	0.	1.	21.9	145.86	.1952	47.95	0.	0.	-699.
8 57 24	0.	1.	0.	1.	0.	1.	22.6	146.70	.2018	49.06	0.	0.	-699.
8 57 29	0.	1.	0.	1.	0.	1.	24.5	149.22	.2268	47.95	0.	0.	-1553.
8 57 42	0.	1.	0.	1.	0.	1.	22.3	148.38	.2242	48.87	0.	0.	-1204.
8 57 39	0.	1.	0.	1.	0.	1.	23.9	147.54	.2189	48.32	0.	0.	-1553.
8 57 44	0.	1.	0.	1.	0.	1.	23.5	147.54	.2215	49.24	0.	0.	-1204.
8 57 49	0.	1.	0.	1.	0.	1.	22.6	149.22	.2480	49.80	0.	0.	-699.
8 57 59	0.	1.	0.	1.	0.	1.	23.2	148.38	.2308	50.16	0.	0.	-816.
8 57 59	0.	1.	0.	1.	0.	1.	22.6	149.22	.1767	49.43	0.	0.	-777.
8 58 9	0.	1.	0.	1.	0.	1.	23.5	149.22	.1859	49.80	0.	0.	-1165.
8 58 9	0.	1.	0.	1.	0.	1.	25.2	150.89	.2004	49.80	0.	0.	-854.
8 58 14	0.	1.	0.	1.	0.	1.	24.2	150.06	.1991	50.16	0.	0.	-893.
8 58 19	0.	1.	0.	1.	0.	1.	25.2	147.54	.2268	49.80	0.	0.	-777.
8 58 24	0.	1.	0.	1.	0.	1.	24.8	147.54	.2281	50.53	0.	0.	-1018.
8 58 29	0.	1.	0.	1.	0.	1.	23.9	147.54	.2295	51.27	0.	0.	-544.
8 58 34	0.	1.	0.	1.	0.	1.	24.2	147.54	.2242	49.98	0.	0.	-621.
8 58 40	0.	1.	0.	1.	0.	1.	23.2	145.86	.1767	50.16	0.	0.	-621.
8 58 45	0.	1.	0.	1.	0.	1.	23.5	146.70	.1925	49.98	0.	0.	-621.
8 58 50	0.	1.	0.	1.	0.	1.	23.2	145.86	.1873	50.53	0.	0.	-699.
8 58 55	0.	1.	0.	1.	0.	1.	23.5	145.06	.1991	52.38	0.	0.	-699.
8 59 0	0.	1.	0.	1.	0.	1.	23.2	139.16	.2031	52.01	0.	0.	-544.
8 59 5	0.	1.	0.	1.	0.	1.	22.9	141.67	.1938	50.35	0.	0.	-621.
8 59 10	0.	1.	0.	1.	0.	1.	23.2	145.86	.1793	50.16	0.	0.	-1553.
8 59 15	0.	1.	0.	1.	0.	1.	23.2	146.78	.1767	49.80	0.	0.	-1087.
8 59 20	0.	1.	0.	1.	0.	1.	23.2	145.86	.2110	50.53	0.	0.	-699.
9 10 18	0.	1.	0.	1.	0.	1.	24.2	138.32	.1662	49.80	0.	1.	-816.
9 10 23	0.	1.	0.	1.	0.	1.	25.2	105.63	.1635	47.21	0.	1.	-699.
9 10 28	0.	1.	0.	1.	0.	1.	25.2	116.52	.1688	47.58	0.	1.	-699.
9 10 33	0.	1.	0.	1.	0.	1.	29.8	125.74	.1873	47.95	0.	1.	-699.
9 10 38	0.	1.	0.	1.	0.	1.	25.8	125.74	.1727	48.69	0.	1.	-738.
9 10 43	0.	1.	0.	1.	0.	1.	21.3	125.74	.1846	49.06	0.	1.	-699.
9 58 48	0.	1.	0.	1.	0.	1.	21.9	125.74	.1754	48.87	0.	1.	-777.
9 10 53	0.	1.	0.	1.	0.	1.	22.6	125.74	.1538	47.95	0.	1.	-854.
9 10 58	0.	1.	0.	1.	0.	1.	23.5	122.39	.1516	48.32	0.	1.	-893.
9 11 3	0.	1.	0.	1.	0.	1.	24.5	129.18	.2295	49.06	0.	0.	-854.
9 51 8	0.	1.	0.	1.	0.	1.	24.8	128.26	.2282	48.50	0.	0.	-854.
9 11 13	0.	1.	0.	1.	0.	1.	25.2	127.42	.1873	50.90	0.	0.	-777.
9 11 23	0.	1.	0.	1.	0.	1.	24.2	125.74	.1741	49.43	0.	0.	-854.
9 11 28	0.	1.	0.	1.	0.	1.	22.6	125.74	.2110	49.06	0.	0.	-854.
9 11 28	0.	1.	0.	1.	0.	1.	22.6	124.91	.2070	48.63	0.	0.	-854.
9 11 33	0.	1.	0.	1.	0.	1.	21.3	124.87	.1582	51.27	0.	0.	-1165.
9 11 38	0.	1.	0.	1.	0.	1.	21.9	123.23	.1569	49.98	0.	0.	-1049.
9 11 43	0.	1.	0.	1.	0.	1.	23.9	112.33	.1873	50.16	0.	0.	-699.

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	GS 01 AIRSPD (TRUE)	GS 02 MACH NUMBER	GS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
01													
9 51 48	0.	1.	0.	1.	0.	1.	23.9	119.04	.2084	49.61	0.	0.	-660.
9 11 53	0.	1.	0.	1.	0.	1.	22.6	122.39	.1556	48.69	0.	0.	-777.
9 51 58	0.	1.	0.	1.	0.	1.	22.9	124.07	.1635	48.14	0.	0.	-777.
9 12 4	0.	1.	0.	1.	0.	1.	24.5	124.07	.1160	48.32	0.	0.	-1243.
9 12 9	0.	1.	0.	1.	0.	1.	24.2	124.91	.1714	48.32	0.	0.	-1010.
9 12 14	0.	1.	0.	1.	0.	1.	23.2	120.71	.2260	45.80	0.	0.	-699.
9 12 19	0.	1.	0.	1.	0.	1.	23.9	123.23	.1846	47.03	0.	0.	-738.
9 12 24	0.	1.	0.	1.	0.	1.	25.2	125.74	.1978	51.27	0.	0.	-777.
9 12 29	0.	1.	0.	1.	0.	1.	24.2	123.23	.1556	50.35	0.	0.	-660.
9 12 34	0.	1.	0.	1.	0.	1.	25.2	124.07	.1213	49.06	0.	1.	-854.
9 12 39	0.	1.	0.	1.	0.	1.	24.8	124.91	.1688	48.32	0.	1.	-854.
9 12 44	0.	1.	0.	1.	0.	1.	22.6	125.74	.1828	47.21	0.	1.	-932.
9 12 49	0.	1.	0.	1.	0.	1.	23.9	125.74	.1952	47.77	0.	1.	-932.
9 12 54	0.	1.	0.	1.	0.	1.	25.2	125.74	.2004	47.95	0.	1.	-932.
9 12 59	0.	1.	0.	1.	0.	1.	25.2	124.91	.1807	48.50	0.	1.	-893.
9 13 4	0.	1.	0.	1.	0.	1.	478.0	124.07	.2242	47.21	0.	1.	-699.
9 13 9	0.	1.	0.	1.	0.	1.	517.8	123.23	.1780	48.32	0.	1.	-660.
9 13 14	0.	1.	0.	1.	0.	1.	582.2	122.39	.1582	48.69	0.	1.	-621.
9 13 19	0.	1.	0.	1.	0.	1.	531.6	121.55	.1938	48.69	0.	1.	-621.
9 13 24	0.	1.	0.	1.	0.	1.	559.9	125.74	.2136	47.95	0.	1.	-621.
9 13 29	0.	1.	0.	1.	0.	1.	548.5	125.74	.2110	48.87	0.	1.	-738.
9 13 34	0.	1.	0.	1.	0.	1.	524.6	124.07	.1556	48.69	0.	0.	-699.
9 13 39	0.	1.	0.	1.	0.	1.	551.5	124.91	.1741	49.06	0.	0.	-699.
9 13 44	0.	1.	0.	1.	0.	1.	535.8	125.74	.1187	48.32	0.	0.	-699.
9 13 49	0.	1.	0.	1.	0.	1.	543.8	119.04	.1213	48.50	0.	0.	-738.
9 13 59	0.	1.	0.	1.	0.	1.	558.9	119.04	.1793	48.69	0.	0.	-699.
9 13 59	0.	1.	0.	1.	0.	1.	558.9	122.39	.1978	49.06	0.	0.	-699.
9 14 9	0.	1.	0.	1.	0.	1.	558.7	127.42	.1952	47.95	0.	0.	-932.
9 14 9	0.	1.	0.	1.	0.	1.	558.1	120.58	.1873	48.87	0.	0.	-893.
9 14 14	0.	1.	0.	1.	0.	1.	555.0	125.74	.1635	47.58	0.	0.	-854.
9 14 19	0.	1.	0.	1.	0.	1.	565.3	124.91	.1596	48.50	0.	0.	-854.
9 14 24	0.	1.	0.	1.	0.	1.	572.4	122.39	.2295	48.69	0.	0.	-699.
9 14 29	0.	1.	0.	1.	0.	1.	573.0	124.07	.2215	48.69	0.	0.	-738.
9 14 34	0.	1.	0.	1.	0.	1.	574.8	119.04	.1187	48.69	0.	0.	-699.
9 14 40	0.	1.	0.	1.	0.	1.	574.2	121.55	.1411	48.87	0.	0.	-738.
9 14 45	0.	1.	0.	1.	0.	1.	574.8	105.63	.1741	47.58	0.	0.	-777.
9 14 50	0.	1.	0.	1.	0.	1.	575.1	116.52	.1793	48.14	0.	0.	-699.
9 14 55	0.	1.	0.	1.	0.	1.	578.5	130.77	.1793	47.95	0.	0.	-699.
9 15 0	0.	1.	0.	1.	0.	1.	577.3	129.18	.1662	48.50	0.	0.	-699.
9 15 5	0.	1.	0.	1.	0.	1.	572.4	124.07	.1213	49.06	0.	0.	-932.
9 15 10	0.	1.	0.	1.	0.	1.	573.0	126.58	.1385	49.43	0.	0.	-777.
9 15 15	0.	1.	0.	1.	0.	1.	572.4	129.18	.2268	47.95	0.	0.	-544.
9 15 20	0.	1.	0.	1.	0.	1.	573.0	129.18	.2176	48.32	0.	0.	-621.
9 15 25	0.	1.	0.	1.	0.	1.	573.6	127.42	.1662	48.69	0.	0.	-699.
9 15 30	0.	1.	0.	1.	0.	1.	572.4	127.42	.1582	48.69	0.	0.	-777.
9 15 35	0.	1.	0.	1.	0.	1.	574.8	130.77	.1638	54.22	0.	0.	-699.
9 15 40	0.	1.	0.	1.	0.	1.	574.2	128.26	.1464	51.82	0.	0.	-777.
9 15 45	0.	1.	0.	1.	0.	1.	585.3	129.18	.2057	49.43	0.	0.	-621.
9 15 50	0.	1.	0.	1.	0.	1.	585.3	129.94	.1912	49.06	0.	0.	-699.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	SS 01 AIRSPD (TRUE)	SS 02 MACH NUMBER	SS 04 HEADNG AIRCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
9 15 55	0.	1.	0.	1.	0.	1.	609.2	130.77	.1714	49.43	0.	0.	-699.
9 16 0	0.	1.	0.	1.	0.	1.	619.0	130.77	.1741	49.06	0.	0.	-660.
9 16 5	0.	1.	0.	1.	0.	1.	649.6	130.77	.1767	48.69	0.	0.	-699.
9 16 10	0.	1.	0.	1.	0.	1.	659.4	131.61	.1780	49.24	0.	0.	-699.
9 16 15	0.	1.	0.	1.	0.	1.	687.6	132.45	.1662	47.95	0.	0.	-699.
9 16 20	0.	1.	0.	1.	0.	1.	695.6	130.77	.1767	48.69	0.	0.	-699.
9 16 25	0.	1.	0.	1.	0.	1.	720.7	130.77	.1673	47.95	0.	0.	-699.
9 16 35	0.	1.	0.	1.	0.	1.	729.3	131.61	.1793	49.24	0.	0.	-660.
9 16 35	0.	1.	0.	1.	0.	1.	734.2	129.10	.1820	48.69	0.	0.	-621.
9 16 45	0.	1.	0.	1.	0.	1.	734.8	130.77	.1807	48.32	0.	0.	-621.
9 16 45	0.	1.	0.	1.	0.	1.	737.9	132.45	.1793	49.00	0.	0.	-621.
9 16 50	0.	1.	0.	1.	0.	1.	738.5	133.29	.1859	50.53	0.	0.	-660.
9 16 55	0.	1.	0.	1.	0.	1.	740.3	134.13	.1767	49.06	0.	0.	-1553.
9 17 0	0.	1.	0.	1.	0.	1.	739.7	134.13	.1912	48.87	0.	0.	-1126.
9 17 5	0.	1.	0.	1.	0.	1.	740.3	135.80	.2031	47.21	0.	0.	-777.
9 17 10	0.	1.	0.	1.	0.	1.	740.9	137.48	.1859	48.87	0.	0.	-738.
9 17 16	0.	1.	0.	1.	0.	1.	741.5	105.63	.1952	47.95	0.	0.	-621.
9 17 21	0.	1.	0.	1.	0.	1.	742.2	120.71	.1965	48.69	0.	0.	-660.
9 17 26	0.	1.	0.	1.	0.	1.	729.3	139.16	.2057	49.80	0.	0.	-621.
9 17 31	0.	1.	0.	1.	0.	1.	736.6	138.32	.1952	48.87	0.	0.	-699.
9 17 36	0.	1.	0.	1.	0.	1.	741.5	137.48	.1662	50.16	0.	0.	-699.
9 17 41	0.	1.	0.	1.	0.	1.	742.0	137.48	.1741	49.43	0.	0.	-738.
9 17 46	0.	1.	0.	1.	0.	1.	751.4	135.80	.1793	48.32	0.	0.	-777.
9 17 51	0.	1.	0.	1.	0.	1.	750.7	137.48	.1873	48.69	0.	0.	-854.
9 17 56	0.	1.	0.	1.	0.	1.	751.4	139.16	.1846	54.22	0.	0.	-699.
9 18 1	0.	1.	0.	1.	0.	1.	751.4	139.16	.1991	50.53	0.	0.	-660.
9 18 6	0.	1.	0.	1.	0.	1.	751.4	139.16	.1846	49.80	0.	0.	-854.
9 18 11	0.	1.	0.	1.	0.	1.	751.4	140.00	.1820	48.87	0.	0.	-854.
9 18 16	0.	1.	0.	1.	0.	1.	750.1	137.48	.1978	49.43	0.	0.	-621.
9 18 21	0.	1.	0.	1.	0.	1.	750.1	138.32	.2018	49.24	0.	0.	-621.
9 18 26	0.	1.	0.	1.	0.	1.	744.8	140.83	.2004	48.69	0.	0.	-699.
9 18 31	0.	1.	0.	1.	0.	1.	745.2	141.67	.1938	48.32	0.	0.	-660.
9 18 36	0.	1.	0.	1.	0.	1.	742.8	140.83	.2084	47.95	0.	0.	-699.
9 18 41	0.	1.	0.	1.	0.	1.	743.4	142.51	.2018	48.69	0.	0.	-699.
9 18 46	0.	1.	0.	1.	0.	1.	742.8	139.16	.1846	48.69	0.	0.	-854.
9 18 51	0.	1.	0.	1.	0.	1.	742.8	140.00	.1925	49.24	0.	0.	-777.
9 18 56	0.	1.	0.	1.	0.	1.	744.0	140.83	.1846	49.43	0.	0.	-854.
9 19 1	0.	1.	0.	1.	0.	1.	741.5	142.51	.1965	48.50	0.	0.	-816.
9 19 6	0.	1.	0.	1.	0.	1.	742.8	142.51	.2136	46.84	0.	0.	-699.
9 19 19	0.	1.	0.	1.	0.	1.	742.8	141.67	.2004	47.95	0.	0.	-738.
9 19 21	0.	1.	0.	1.	0.	1.	744.0	139.16	.2004	47.21	0.	0.	-932.
9 19 26	0.	1.	0.	1.	0.	1.	741.5	140.83	.1930	47.95	0.	0.	-816.
9 19 26	0.	1.	0.	1.	0.	1.	741.5	144.19	.2004	48.69	0.	0.	-621.
9 19 31	0.	1.	0.	1.	0.	1.	747.1	144.19	.1365	49.24	0.	0.	-699.
9 19 36	0.	1.	0.	1.	0.	1.	748.9	144.19	.1846	49.43	0.	0.	-621.
9 19 41	0.	1.	0.	1.	0.	1.	748.9	144.19	.1952	48.50	0.	0.	-660.
9 19 46	0.	1.	0.	1.	0.	1.	751.4	145.86	.1873	49.06	0.	0.	-699.
9 19 59	0.	1.	0.	1.	0.	1.	751.4	145.86	.1912	48.87	0.	0.	-660.
9 19 57	0.	1.	0.	1.	0.	1.	729.3	145.86	.2163	48.69	0.	0.	-699.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTS/M ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG AIRCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
9 20 2	0.	1.	0.	1.	0.	1.	735.0	145.86	.2110	49.24	0.	0.	-621.
9 20 7	0.	1.	0.	1.	0.	1.	739.1	139.16	.1978	43.32	0.	0.	-699.
9 20 12	0.	1.	0.	1.	0.	1.	740.9	142.51	.2070	47.77	0.	0.	-777.
9 20 17	0.	1.	0.	1.	0.	1.	742.8	145.86	.1873	49.06	0.	0.	-699.
9 20 22	0.	1.	0.	1.	0.	1.	742.2	146.70	.1965	48.50	0.	0.	-699.
9 20 27	0.	1.	0.	1.	0.	1.	739.1	149.22	.2004	49.43	0.	0.	-699.
9 20 32	0.	1.	0.	1.	0.	1.	740.9	148.38	.1938	51.82	0.	0.	-777.
9 20 37	0.	1.	0.	1.	0.	1.	750.1	149.22	.1978	48.32	0.	0.	-1553.
9 20 42	0.	1.	0.	1.	0.	1.	751.4	150.89	.1991	49.06	0.	0.	-1087.
9 20 47	0.	1.	0.	1.	0.	1.	750.1	149.22	.2031	48.32	0.	0.	-854.
9 20 52	0.	1.	0.	1.	0.	1.	751.4	149.22	.2031	48.50	0.	0.	-1204.
9 20 57	0.	1.	0.	1.	0.	1.	750.1	147.54	.1952	47.58	0.	0.	-932.
9 21 2	0.	1.	0.	1.	0.	1.	751.4	148.38	.1907	48.32	0.	0.	-816.
9 21 7	0.	1.	0.	1.	0.	1.	748.9	147.54	.1952	50.53	0.	0.	-621.
9 21 12	0.	1.	0.	1.	0.	1.	749.5	148.38	.2031	49.43	0.	0.	-621.
9 21 17	0.	1.	0.	1.	0.	1.	748.9	149.22	.1952	49.43	0.	0.	-932.
9 21 22	0.	1.	0.	1.	0.	1.	749.5	149.22	.1965	49.24	0.	0.	-816.
9 21 27	0.	1.	0.	1.	0.	1.	748.9	149.22	.2163	47.95	0.	0.	-699.
9 21 32	0.	1.	0.	1.	0.	1.	748.9	148.38	.1912	47.95	0.	0.	-699.
9 21 37	0.	1.	0.	1.	0.	1.	742.8	149.22	.2136	49.43	0.	0.	-699.
9 21 42	0.	1.	0.	1.	0.	1.	751.7	150.06	.2176	48.87	0.	0.	-660.
9 21 47	0.	1.	0.	1.	0.	1.	535.0	149.22	.2084	49.06	0.	0.	-777.
9 21 57	0.	1.	0.	1.	0.	1.	588.2	148.38	.1873	49.98	0.	0.	-738.
9 22 2	0.	1.	0.	1.	0.	1.	574.1	150.89	.2189	48.69	0.	0.	-777.
9 22 2	0.	1.	0.	1.	0.	1.	574.7	151.73	.2070	49.24	0.	0.	-816.
9 22 7	0.	1.	0.	1.	0.	1.	572.9	150.89	.2189	48.32	0.	0.	-854.
9 22 12	0.	1.	0.	1.	0.	1.	571.1	150.89	.2149	48.14	0.	0.	-777.
9 22 17	0.	1.	0.	1.	0.	1.	559.2	152.57	.1978	47.95	0.	0.	-699.
9 22 22	0.	1.	0.	1.	0.	1.	559.8	149.22	.1965	48.32	0.	0.	-777.
9 22 35	0.	1.	0.	1.	0.	1.	556.8	149.22	.1899	49.80	0.	0.	-699.
9 22 33	0.	1.	0.	1.	0.	1.	555.3	152.57	.1978	49.61	0.	0.	-816.
9 22 38	0.	1.	0.	1.	0.	1.	574.1	154.25	.2057	48.69	0.	0.	-621.
9 22 43	0.	1.	0.	1.	0.	1.	574.7	153.41	.2123	48.14	0.	0.	-660.
9 62 48	0.	1.	0.	1.	0.	1.	572.9	154.25	.1973	48.32	0.	0.	-854.
9 22 53	0.	1.	0.	1.	0.	1.	572.3	153.41	.2110	48.50	0.	0.	-777.
9 22 58	0.	1.	0.	1.	0.	1.	574.1	152.57	.2163	47.95	0.	0.	-777.
9 23 3	0.	1.	0.	1.	0.	1.	559.8	152.57	.2018	47.95	0.	0.	-816.
9 63 8	0.	1.	0.	1.	0.	1.	555.5	152.57	.2057	48.84	0.	0.	-932.
9 23 13	0.	1.	0.	1.	0.	1.	554.9	153.41	.2057	47.03	0.	0.	-893.
9 23 18	0.	1.	0.	1.	0.	1.	555.5	152.57	.2057	49.80	0.	0.	-699.
9 23 23	0.	1.	0.	1.	0.	1.	554.9	153.41	.2057	49.24	0.	0.	-699.
9 23 28	0.	1.	0.	1.	0.	1.	570.5	154.25	.1939	49.06	0.	0.	-777.
9 23 33	0.	1.	0.	1.	0.	1.	571.1	153.41	.1886	49.61	0.	0.	-699.
9 23 38	0.	1.	0.	1.	0.	1.	559.2	149.22	.2110	49.80	0.	0.	-621.
9 23 43	0.	1.	0.	1.	0.	1.	559.8	149.22	.2110	49.80	0.	0.	-1087.
9 63 48	0.	1.	0.	1.	0.	1.	572.9	154.25	.2004	49.06	0.	0.	-621.
9 23 53	0.	1.	0.	1.	0.	1.	559.2	153.41	.2044	49.06	0.	0.	-699.
9 23 58	0.	1.	0.	1.	0.	1.	650.8	154.25	.2084	49.80	0.	0.	-854.
9 24 3	0.	1.	0.	1.	0.	1.	557.0	154.25	.2176	48.50	0.	0.	-816.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN IN_ET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG AIRCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
9 24 8	0.	1.	0.	1.	0.	1.	554.3	149.22	.1978	47.21	0.	0.	-1243.
9 24 13	0.	1.	0.	1.	0.	1.	553.7	140.83	.2018	47.95	0.	0.	-971.
9 24 18	0.	1.	0.	1.	0.	1.	570.5	154.25	.2163	48.32	0.	0.	-821.
9 24 23	0.	1.	0.	1.	0.	1.	621.4	150.06	.2229	48.32	0.	0.	-1087.
9 28 16	0.	1.	0.	1.	0.	1.	579.7	155.92	.2057	47.95	0.	0.	-1553.
9 28 21	0.	1.	0.	1.	0.	1.	591.0	155.09	.2018	48.14	0.	0.	-1204.
9 28 34	0.	1.	0.	1.	0.	1.	579.7	155.92	.2057	47.80	0.	0.	-777.
9 28 31	0.	1.	0.	1.	0.	1.	591.0	155.09	.1991	48.87	0.	0.	-816.
9 28 36	0.	1.	0.	1.	0.	1.	578.5	155.92	.1970	49.06	0.	0.	-854.
9 28 41	0.	1.	0.	1.	0.	1.	578.5	156.76	.1930	49.61	0.	0.	-816.
9 28 46	0.	1.	0.	1.	0.	1.	579.7	155.92	.2057	48.69	0.	0.	-932.
9 28 51	0.	1.	0.	1.	0.	1.	600.4	159.26	.2176	48.14	0.	0.	-816.
9 28 56	0.	1.	0.	1.	0.	1.	578.5	155.92	.2163	49.43	0.	0.	-777.
9 29 1	0.	1.	0.	1.	0.	1.	601.6	156.76	.1912	49.43	0.	0.	-854.
9 29 6	0.	1.	0.	1.	0.	1.	585.9	157.60	.2110	49.43	0.	0.	-777.
9 29 16	0.	1.	0.	1.	0.	1.	605.3	157.60	.2110	50.16	0.	0.	-730.
9 29 16	0.	1.	0.	1.	0.	1.	587.1	155.92	.2260	48.32	0.	0.	-699.
9 29 21	0.	1.	0.	1.	0.	1.	596.5	155.92	.2109	49.24	0.	0.	-777.
9 29 26	0.	1.	0.	1.	0.	1.	585.9	157.60	.2268	49.80	0.	0.	-621.
9 29 31	0.	1.	0.	1.	0.	1.	584.0	155.09	.2189	50.16	0.	0.	-738.
9 29 36	0.	1.	0.	1.	0.	1.	591.0	152.57	.2268	49.69	0.	0.	-2796.
9 29 41	0.	1.	0.	1.	0.	1.	601.0	153.41	.2215	49.06	0.	0.	-1864.
9 29 47	0.	1.	0.	1.	0.	1.	581.6	157.60	.1952	50.10	0.	0.	-854.
9 29 52	0.	1.	0.	1.	0.	1.	579.7	158.43	.2070	48.69	0.	0.	-854.
9 29 65	0.	1.	0.	1.	0.	1.	602.2	167.58	.2268	47.95	0.	0.	-699.
9 30 2	0.	1.	0.	1.	0.	1.	577.3	163.42	.2163	48.87	0.	0.	-816.
9 30 7	0.	1.	0.	1.	0.	1.	578.5	154.25	.2242	49.43	0.	0.	-854.
9 30 12	0.	1.	0.	1.	0.	1.	601.0	150.06	.2229	49.24	0.	0.	-816.
9 30 17	0.	1.	0.	1.	0.	1.	572.4	157.60	.1925	49.00	0.	0.	-1553.
9 30 22	0.	1.	0.	1.	0.	1.	572.4	157.60	.1899	49.61	0.	0.	-1126.
9 30 27	0.	1.	0.	1.	0.	1.	589.5	157.60	.2242	49.06	0.	0.	-932.
9 30 32	0.	1.	0.	1.	0.	1.	607.7	156.43	.2176	48.14	0.	0.	-854.
9 30 37	0.	1.	0.	1.	0.	1.	585.9	157.60	.2242	49.80	0.	0.	-699.
9 30 42	0.	1.	0.	1.	0.	1.	596.5	156.76	.2110	49.24	0.	0.	-854.
9 30 47	0.	1.	0.	1.	0.	1.	599.5	159.26	.2163	49.06	0.	0.	-854.
9 30 52	0.	1.	0.	1.	0.	1.	591.4	158.43	.2110	49.61	0.	0.	-777.
9 30 57	0.	1.	0.	1.	0.	1.	580.0	157.60	.2031	48.69	0.	0.	-854.
9 31 2	0.	1.	0.	1.	0.	1.	587.1	156.76	.2070	48.87	0.	0.	-854.
9 31 7	0.	1.	0.	1.	0.	1.	583.4	154.25	.2110	50.16	0.	0.	-854.
9 31 12	0.	1.	0.	1.	0.	1.	592.8	155.92	.2176	49.43	0.	0.	-816.
9 31 17	0.	1.	0.	1.	0.	1.	602.2	159.26	.2321	48.69	0.	0.	-699.
9 31 22	0.	1.	0.	1.	0.	1.	580.4	157.59	.2123	49.06	0.	0.	-738.
9 31 27	0.	1.	0.	1.	0.	1.	592.2	157.60	.2057	50.16	0.	0.	-699.
9 31 32	0.	1.	0.	1.	0.	1.	581.0	155.92	.2084	49.24	0.	0.	-816.
9 31 37	0.	1.	0.	1.	0.	1.	579.7	152.57	.2084	48.69	0.	0.	-777.
9 31 42	0.	1.	0.	1.	0.	1.	575.7	154.09	.2136	49.00	0.	0.	-816.
9 31 52	0.	1.	0.	1.	0.	1.	571.2	155.92	.2136	48.32	0.	0.	-699.
9 31 57	0.	1.	0.	1.	0.	1.	571.2	157.59	.2097	48.14	0.	0.	-699.
9 31 57	0.	1.	0.	1.	0.	1.	571.2	155.92	.1899	48.69	0.	0.	-932.

TIME H/M/S 0_1	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ACRCFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
9 32 2	0.	1.	0.	1.	0.	1.	557.5	155.92	.1938	49.06	0.	0.	-893.
9 32 7	0.	1.	0.	1.	0.	1.	552.6	157.60	.2242	48.43	0.	0.	-854.
9 32 12	0.	1.	0.	1.	0.	1.	552.6	157.60	.2255	48.43	0.	0.	-816.
9 32 17	0.	1.	0.	1.	0.	1.	552.6	157.60	.2295	48.06	0.	0.	-1553.
9 32 22	0.	1.	0.	1.	0.	1.	550.1	155.09	.2281	48.32	0.	0.	-1165.
9 32 28	0.	1.	0.	1.	0.	1.	552.6	157.60	.2242	48.69	0.	0.	-854.
9 32 33	0.	1.	0.	1.	0.	1.	552.0	157.60	.2149	48.32	0.	0.	-777.
9 32 38	0.	1.	0.	1.	0.	1.	552.6	157.60	.2136	49.43	0.	0.	-854.
9 32 43	0.	1.	0.	1.	0.	1.	553.2	155.92	.2136	49.43	0.	0.	-1204.
9 72 48	0.	1.	0.	1.	0.	1.	558.7	159.26	.2084	49.43	0.	0.	-777.
9 32 53	0.	1.	0.	1.	0.	1.	558.1	158.43	.2084	49.06	0.	0.	-777.
9 32 58	0.	1.	0.	1.	0.	1.	556.3	157.60	.1662	50.90	0.	0.	-621.
9 33 3	0.	1.	0.	1.	0.	1.	559.5	165.92	.1938	49.94	0.	0.	-738.
9 73 8	0.	1.	0.	1.	0.	1.	557.5	157.60	.2031	49.06	0.	0.	-854.
9 33 13	0.	1.	0.	1.	0.	1.	553.8	158.43	.2044	48.69	0.	0.	-777.
9 33 18	0.	1.	0.	1.	0.	1.	559.9	132.45	.2110	49.06	0.	0.	-1553.
9 33 23	0.	1.	0.	1.	0.	1.	559.5	145.03	.2123	49.06	0.	0.	-1126.
9 33 28	0.	1.	0.	1.	0.	1.	560.1	159.26	.2136	48.69	0.	0.	-854.
9 33 33	0.	1.	0.	1.	0.	1.	559.5	159.26	.2202	48.87	0.	0.	-777.
9 33 38	0.	1.	0.	1.	0.	1.	557.7	159.26	.2295	49.43	0.	0.	-544.
9 33 43	0.	1.	0.	1.	0.	1.	558.9	159.26	.2255	49.43	0.	0.	-621.
9 73 48	0.	1.	0.	1.	0.	1.	557.7	159.26	.2084	49.80	0.	0.	-621.
9 33 53	0.	1.	0.	1.	0.	1.	559.5	160.10	.2149	49.43	0.	0.	-660.
9 33 58	0.	1.	0.	1.	0.	1.	555.0	160.93	.2057	49.80	0.	0.	-854.
9 34 3	0.	1.	0.	1.	0.	1.	555.0	160.93	.2229	49.24	0.	0.	-777.
9 34 8	0.	1.	0.	1.	0.	1.	557.5	159.26	.2136	49.80	0.	0.	-854.
9 34 13	0.	1.	0.	1.	0.	1.	553.2	159.26	.2123	49.80	0.	0.	-893.
9 34 18	0.	1.	0.	1.	0.	1.	558.9	164.25	.2057	54.22	0.	0.	-854.
9 34 28	0.	1.	0.	1.	0.	1.	558.3	162.59	.2018	52.01	0.	0.	-738.
9 34 33	0.	1.	0.	1.	0.	1.	558.9	162.59	.2268	47.95	0.	0.	-777.
9 34 38	0.	1.	0.	1.	0.	1.	557.5	163.42	.2163	48.14	0.	0.	-816.
9 34 43	0.	1.	0.	1.	0.	1.	573.6	160.93	.2215	47.95	0.	0.	-854.
9 34 48	0.	1.	0.	1.	0.	1.	574.8	160.93	.2255	48.24	0.	0.	-777.
9 34 53	0.	1.	0.	1.	0.	1.	575.1	160.93	.2031	47.21	0.	0.	-854.
9 34 58	0.	1.	0.	1.	0.	1.	579.7	160.93	.2018	47.58	0.	0.	-932.
9 35 4	0.	1.	0.	1.	0.	1.	583.4	162.59	.2268	48.32	0.	0.	-854.
9 35 9	0.	1.	0.	1.	0.	1.	584.6	163.42	.2242	49.06	0.	0.	-777.
9 35 14	0.	1.	0.	1.	0.	1.	583.2	160.93	.2374	48.69	0.	0.	-777.
9 35 19	0.	1.	0.	1.	0.	1.	585.1	163.42	.2374	49.61	0.	0.	-854.
9 35 24	0.	1.	0.	1.	0.	1.	588.1	159.26	.2400	49.43	0.	0.	-699.
9 35 29	0.	1.	0.	1.	0.	1.	595.3	160.93	.2400	49.61	0.	0.	-738.
9 35 34	0.	1.	0.	1.	0.	1.	572.4	160.93	.2057	49.80	0.	0.	-1243.
9 35 39	0.	1.	0.	1.	0.	1.	594.0	160.93	.2057	49.24	0.	0.	-1049.
9 35 44	0.	1.	0.	1.	0.	1.	610.4	159.26	.2004	48.32	0.	0.	-777.
9 35 49	0.	1.	0.	1.	0.	1.	616.5	160.10	.1833	48.14	0.	0.	-816.
9 35 54	0.	1.	0.	1.	0.	1.	620.2	164.25	.2268	49.06	0.	0.	-932.
9 35 59	0.	1.	0.	1.	0.	1.	619.6	163.42	.2176	49.06	0.	0.	-893.
9 36 4	0.	1.	0.	1.	0.	1.	607.9	164.25	.2400	49.43	0.	0.	-932.
	0.	1.	0.	1.	0.	1.	605.5	163.42	.2242	50.16	0.	0.	-893.

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG AIRCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
9 36 9	0.	1.	0.	1.	0.	1.	601.8	164.25	.2084	49.80	0.	0.	-854.
9 36 14	0.	1.	0.	1.	0.	1.	600.0	163.42	.2044	49.61	0.	0.	-854.
9 36 19	0.	1.	0.	1.	0.	1.	601.8	160.93	.2057	49.06	0.	0.	-1010.
9 36 24	0.	1.	0.	1.	0.	1.	604.3	162.59	.2189	49.06	0.	0.	-893.
9 36 29	0.	1.	0.	1.	0.	1.	605.7	160.93	.2215	47.95	0.	0.	-777.
9 36 34	0.	1.	0.	1.	0.	1.	605.5	160.93	.2156	48.32	0.	0.	-854.
9 36 39	0.	1.	0.	1.	0.	1.	604.3	160.93	.1952	49.43	0.	0.	-777.
9 36 44	0.	1.	0.	1.	0.	1.	604.3	162.59	.2163	49.61	0.	0.	-777.
9 35 49	0.	1.	0.	1.	0.	1.	603.0	160.93	.2215	48.69	0.	0.	-932.
9 36 54	0.	1.	0.	1.	0.	1.	602.4	160.10	.2163	49.06	0.	0.	-893.
9 37 4	0.	1.	0.	1.	0.	1.	599.4	160.93	.2084	47.95	0.	0.	-1087.
9 37 9	0.	1.	0.	1.	0.	1.	600.0	160.10	.2031	48.87	0.	0.	-1049.
9 37 9	0.	1.	0.	1.	0.	1.	598.1	160.93	.2084	49.80	0.	0.	-932.
9 37 14	0.	1.	0.	1.	0.	1.	598.7	160.93	.2282	49.43	0.	0.	-1243.
9 37 19	0.	1.	0.	1.	0.	1.	600.6	160.93	.2268	47.95	0.	0.	-699.
9 37 24	0.	1.	0.	1.	0.	1.	600.6	158.43	.2163	48.32	0.	0.	-816.
9 37 29	0.	1.	0.	1.	0.	1.	599.4	160.93	.1952	49.43	0.	0.	-854.
9 37 34	0.	1.	0.	1.	0.	1.	596.5	160.93	.1991	49.43	0.	0.	-854.
9 37 40	0.	1.	0.	1.	0.	1.	639.8	160.93	.2268	48.69	0.	0.	-699.
9 37 45	0.	1.	0.	1.	0.	1.	641.0	160.93	.2255	48.87	0.	0.	-816.
9 37 50	0.	1.	0.	1.	0.	1.	638.2	160.93	.2242	50.53	0.	0.	-699.
9 37 55	0.	1.	0.	1.	0.	1.	638.2	160.10	.2308	49.80	0.	0.	-777.
9 38 0	0.	1.	0.	1.	0.	1.	639.2	159.26	.2136	49.43	0.	0.	-777.
9 38 5	0.	1.	0.	1.	0.	1.	637.4	159.26	.2176	49.06	0.	0.	-738.
9 38 10	0.	1.	0.	1.	0.	1.	635.7	160.93	.2215	49.06	0.	0.	-466.
9 38 15	0.	1.	0.	1.	0.	1.	635.4	160.93	.2189	47.95	0.	0.	-854.
9 38 20	0.	1.	0.	1.	0.	1.	635.8	160.93	.2295	49.06	0.	0.	-854.
9 38 25	0.	1.	0.	1.	0.	1.	638.0	160.10	.2295	49.24	0.	0.	-816.
9 38 30	0.	1.	0.	1.	0.	1.	636.8	159.26	.2321	49.43	0.	0.	-854.
9 38 35	0.	1.	0.	1.	0.	1.	632.5	159.26	.2123	49.61	0.	0.	-854.
9 38 40	0.	1.	0.	1.	0.	1.	632.1	159.26	.2347	49.06	0.	0.	-854.
9 38 45	0.	1.	0.	1.	0.	1.	630.8	159.26	.2176	49.06	0.	0.	-893.
9 38 50	0.	1.	0.	1.	0.	1.	630.8	159.26	.2163	49.43	0.	0.	-699.
9 38 55	0.	1.	0.	1.	0.	1.	630.8	159.26	.2110	48.32	0.	0.	-816.
9 39 0	0.	1.	0.	1.	0.	1.	647.2	164.25	.2199	51.27	0.	0.	-854.
9 39 5	0.	1.	0.	1.	0.	1.	649.4	161.76	.2070	50.16	0.	0.	-693.
9 39 10	0.	1.	0.	1.	0.	1.	649.4	162.59	.2215	49.43	0.	0.	-544.
9 39 15	0.	1.	0.	1.	0.	1.	649.0	160.93	.2163	48.69	0.	0.	-660.
9 39 20	0.	1.	0.	1.	0.	1.	647.2	159.26	.2400	54.22	0.	0.	-932.
9 47 6	0.	1.	0.	1.	0.	1.	646.5	741.53	1.1715	92.75	0.	0.	-854.
9 47 11	0.	1.	0.	1.	0.	1.	652.1	1323.81	2.0818	47.21	0.	0.	-854.
9 47 16	0.	1.	0.	1.	0.	1.	652.1	1323.81	2.0804	49.24	0.	0.	-893.
9 48 25	0.	1.	0.	1.	0.	1.	643.9	142.51	.1873	48.32	0.	0.	-854.
9 48 30	0.	1.	0.	1.	0.	1.	645.3	144.19	.2123	48.14	0.	0.	-816.
9 48 35	0.	1.	0.	1.	0.	1.	641.2	139.16	.2321	46.11	0.	0.	-777.
10 0 22	0.	1.	0.	1.	0.	1.	639.2	143.35	.2308	48.48	0.	0.	-854.
10 0 27	0.	1.	0.	1.	0.	1.	602.7	144.19	.1767	48.69	0.	0.	-854.
10 0 32	0.	1.	0.	1.	0.	1.	785.4	146.70	.1788	47.95	0.	0.	-893.
10 0 37	0.	1.	0.	1.	0.	1.	746.3	145.86	.1741	47.58	0.	0.	-854.

TIME H/M/S θ_1	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
10 0 42	0.	1.	0.	1.	0.	1.	743.4	144.19	.1741	47.77	0.	0.	-893.
10 0 47	0.	1.	0.	1.	0.	1.	750.1	144.19	.2268	45.37	0.	0.	-932.
10 0 52	0.	1.	0.	1.	0.	1.	752.6	145.86	.2136	45.37	0.	0.	-893.
10 0 57	0.	1.	0.	1.	0.	1.	755.3	147.54	.2268	45.00	0.	0.	-854.
10 1 2	0.	1.	0.	1.	0.	1.	755.6	140.00	.2078	45.37	0.	0.	-893.
10 1 7	0.	1.	0.	1.	0.	1.	740.3	147.54	.1925	45.37	0.	0.	-854.
10 1 12	0.	1.	0.	1.	0.	1.	756.1	147.54	.2097	46.84	0.	0.	-738.
10 1 17	0.	1.	0.	1.	0.	1.	815.1	145.86	.2084	46.48	0.	0.	-777.
10 1 22	0.	1.	0.	1.	0.	1.	821.8	145.03	.1925	46.66	0.	0.	-854.
10 1 32	0.	1.	0.	1.	0.	1.	827.4	147.54	.2347	46.48	0.	0.	-854.
10 1 32	0.	1.	0.	1.	0.	1.	832.3	147.54	.2229	46.66	0.	0.	-893.
10 1 42	0.	1.	0.	1.	0.	1.	840.8	149.22	.2110	46.84	0.	0.	-1243.
10 1 42	0.	1.	0.	1.	0.	1.	842.1	145.38	.1899	46.66	0.	0.	-1010.
10 1 47	0.	1.	0.	1.	0.	1.	842.1	147.54	.1899	46.48	0.	0.	-932.
10 1 52	0.	1.	0.	1.	0.	1.	842.7	146.70	.2084	47.03	0.	0.	-893.
10 1 57	0.	1.	0.	1.	0.	1.	840.8	145.86	.1899	44.63	0.	0.	-932.
10 2 2	0.	1.	0.	1.	0.	1.	839.6	147.54	.2031	46.48	0.	0.	-893.
10 2 7	0.	1.	0.	1.	0.	1.	827.4	145.86	.1793	47.95	0.	0.	-1087.
10 2 13	0.	1.	0.	1.	0.	1.	832.3	146.70	.1846	47.40	0.	0.	-1010.
10 2 18	0.	1.	0.	1.	0.	1.	847.0	145.86	.1925	47.21	0.	0.	-1010.
10 2 23	0.	1.	0.	1.	0.	1.	843.3	146.70	.1886	47.03	0.	0.	-932.
10 2 28	0.	1.	0.	1.	0.	1.	830.4	147.54	.2268	45.00	0.	0.	-932.
10 2 33	0.	1.	0.	1.	0.	1.	745.8	148.38	.2176	45.74	0.	0.	-893.
10 2 38	0.	1.	0.	1.	0.	1.	652.1	150.89	.1925	47.21	0.	0.	-777.
10 2 43	0.	1.	0.	1.	0.	1.	643.5	150.06	.2057	47.58	0.	0.	-816.
10 42 48	0.	1.	0.	1.	0.	1.	622.6	149.22	.2004	47.95	0.	0.	-854.
10 2 53	0.	1.	0.	1.	0.	1.	623.9	150.06	.2031	48.24	0.	0.	-816.
10 2 58	0.	1.	0.	1.	0.	1.	620.2	152.57	.2057	47.95	0.	0.	-932.
10 3 3	0.	1.	0.	1.	0.	1.	619.4	151.73	.2176	46.66	0.	0.	-932.
10 43 8	0.	1.	0.	1.	0.	1.	614.1	150.89	.2268	45.74	0.	0.	-932.
10 3 13	0.	1.	0.	1.	0.	1.	612.2	150.06	.2097	46.11	0.	0.	-971.
10 3 18	0.	1.	0.	1.	0.	1.	653.4	150.89	.2004	47.21	0.	0.	-777.
10 3 23	0.	1.	0.	1.	0.	1.	653.9	150.89	.2018	47.58	0.	0.	-816.
10 3 28	0.	1.	0.	1.	0.	1.	559.4	147.54	.1952	48.69	0.	0.	-854.
10 3 33	0.	1.	0.	1.	0.	1.	561.9	149.22	.2004	47.58	0.	0.	-893.
10 3 38	0.	1.	0.	1.	0.	1.	555.5	147.54	.1767	47.95	0.	0.	-1553.
10 3 43	0.	1.	0.	1.	0.	1.	554.9	148.38	.1859	47.95	0.	0.	-1204.
10 43 48	0.	1.	0.	1.	0.	1.	501.3	155.92	.1662	41.68	0.	0.	-932.
10 3 53	0.	1.	0.	1.	0.	1.	462.7	151.73	.1675	45.18	0.	0.	-1942.
10 3 58	0.	1.	0.	1.	0.	1.	454.7	147.54	LOW	47.21	0.	0.	-932.
10 4 8	0.	1.	0.	1.	0.	1.	408.7	147.54	LOW	47.95	0.	0.	-1087.
10 4 8	0.	1.	0.	1.	0.	1.	362.8	147.54	LOW	47.58	0.	0.	-932.

8 COMMUTATOR

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR =	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/MENG	PR 06 POSITN THRJTL L/MENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
8 57 9	49.52	LOW	28.348	10734.	0.000	LOW	0.000	16.24	21.88
8 57 14	49.52	LOW	28.348	10700.	.013	LOW	0.000	16.24	21.88
8 57 19	49.04	LOW	28.250	10826.	0.000	LOW	0.000	16.24	21.84
8 57 24	49.52	LOW	28.397	10275.	.009	LOW	0.000	16.25	21.91
8 57 29	49.52	0.00	28.340	10550.	0.000	LOW	0.000	16.26	21.88
8 57 42	49.52	*0000.00	28.397	10734.	.013	LOW	0.000	16.25	21.00
0 57 39	49.52	LOW	20.055	10734.	0.000	LOW	0.000	16.26	21.94
8 57 44	49.76	LOW	28.152	10780.	.009	LOW	0.000	16.25	21.88
8 57 49	49.52	LOW	28.445	10642.	0.000	LOW	0.000	16.25	21.82
8 57 59	49.52	LOW	28.340	10688.	.009	LOW	0.000	16.25	21.85
8 57 59	49.04	LOW	28.348	10917.	0.000	LOW	0.000	16.25	21.82
8 58 9	49.04	LOW	28.201	10826.	0.000	LOW	0.000	16.26	21.79
8 50 9	40.56	LOW	28.055	10917.	.027	LOW	0.000	16.25	21.82
8 58 14	40.56	LOW	28.104	10688.	.019	LOW	0.000	16.26	21.64
8 50 19	49.04	LOW	28.055	10642.	.027	LOW	0.000	16.19	21.82
8 58 24	50.23	LOW	28.104	10550.	.013	LOW	0.000	16.23	21.82
8 50 29	49.52	LOW	28.340	10917.	0.000	LOW	0.000	16.25	21.82
8 58 34	40.32	LOW	28.739	10872.	0.000	LOW	0.000	16.25	21.91
8 58 40	40.56	0.00	28.348	10826.	.019	LOW	0.000	16.25	21.88
8 58 45	48.56	*0000.00	28.055	10826.	.009	LOW	0.000	16.25	21.85
8 58 50	49.04	LOW	28.543	10917.	.009	LOW	0.000	16.25	22.00
8 50 55	40.80	*0000.00	20.885	10734.	.004	LOW	0.000	16.25	21.05
8 59 0	49.52	LOW	28.055	10734.	.019	LOW	0.000	16.25	21.88
8 59 5	49.28	LOW	28.250	10734.	.009	LOW	0.000	16.25	22.28
8 59 10	49.52	0.00	28.641	10826.	.027	LOW	0.000	16.25	21.76
8 59 15	49.28	*0000.00	28.592	10780.	.013	LOW	0.000	16.25	21.79
8 59 20	49.04	LOW	28.739	10826.	.036	LOW	0.000	16.25	21.76
9 10 18	48.56	*0000.00	23.397	10680.	.054	LOW	0.000	16.26	21.70
9 10 23	48.56	1.25	29.032	10459.	.089	LOW	0.000	16.28	21.58
9 10 28	40.80	.98	28.592	10505.	.085	LOW	0.000	16.26	21.61
9 10 33	40.56	4.11	28.445	10550.	.039	LOW	0.000	16.27	21.58
9 10 38	47.60	3.04	28.445	10550.	.005	LOW	0.000	16.27	21.64
9 10 43	49.52	2.14	28.340	10367.	.038	LOW	0.000	16.26	21.70
9 50 48	49.04	2.86	28.299	10505.	.005	LOW	0.000	16.26	21.70
9 10 53	48.56	1.43	20.152	10367.	.009	LOW	0.000	16.28	21.64
9 10 58	40.08	1.70	28.104	10505.	.075	LOW	0.000	16.27	21.64
9 11 3	49.52	2.50	20.340	10459.	.030	LOW	0.000	16.28	21.58
9 51 8	49.04	2.23	20.201	10459.	.076	LOW	0.000	16.28	21.53
9 11 13	49.04	.71	27.957	10367.	.360	LOW	0.000	16.27	21.70
9 11 23	48.08	1.61	28.201	10367.	.063	LOW	0.000	16.26	21.73
9 11 28	49.52	19.82	28.445	10367.	.000	LOW	0.000	16.26	21.64
9 11 28	49.28	19.91	28.445	10413.	.075	LOW	0.000	16.26	21.64
9 11 33	48.08	18.21	28.055	10367.	.063	LOW	0.000	16.26	21.76
9 11 38	48.32	17.95	28.299	10413.	.058	LOW	0.000	16.26	21.79
9 11 43	47.12	19.02	20.739	10367.	.054	LOW	0.000	16.26	21.64

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR P	AF 4 TOTAL FUEL QNTY	PR 35 POSITN NOZZLE L/MENG	PR 0a POSITN THRUTL L/MENG	FC 01 POSTN F_AP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
9 51 48	48.32	19.46	28.397	10367.	.059	LOW	0.000	16.26	21.64
9 11 53	48.56	19.29	28.543	10550.	.071	LOW	0.000	16.26	21.78
9 51 58	48.56	19.91	28.446	10550.	.080	LOW	0.000	16.26	21.61
9 12 4	48.08	17.50	28.055	10459.	.054	LOW	0.000	16.26	21.64
9 12 9	48.80	18.21	28.201	10505.	.071	LOW	0.000	16.27	21.56
9 12 14	49.52	20.00	28.152	10826.	.107	LOW	0.000	16.26	21.78
9 12 19	49.28	18.06	28.201	10688.	.098	LOW	0.000	16.26	21.67
9 12 24	50.00	17.68	27.957	10275.	.098	LOW	0.000	16.27	21.64
9 12 29	50.00	17.77	28.250	10550.	.080	LOW	0.000	16.27	21.73
9 12 34	46.15	17.14	28.055	10459.	.063	LOW	0.000	16.26	21.70
9 12 39	47.84	17.95	28.298	10642.	.080	LOW	0.000	16.27	21.64
9 12 44	50.00	16.79	28.152	10275.	.071	LOW	0.000	16.26	21.38
9 12 49	50.00	17.50	28.152	10229.	.068	LOW	0.000	16.27	21.76
9 12 54	50.00	18.39	28.250	11101.	.054	LOW	0.000	16.28	21.64
9 12 59	49.52	18.66	28.152	10734.	.054	LOW	0.000	16.26	21.67
9 13 4	50.00	20.00	28.446	10459.	.088	LOW	0.000	16.26	21.70
9 13 9	49.76	18.93	28.397	10459.	.088	LOW	0.000	16.26	21.56
9 13 14	48.56	18.57	28.152	10367.	.063	LOW	0.000	16.28	21.70
9 13 19	48.32	19.11	28.250	10459.	.067	LOW	0.000	16.27	21.67
9 13 24	50.96	19.82	28.348	10459.	.071	LOW	0.000	16.27	21.64
9 13 29	50.48	19.82	28.250	10413.	.076	LOW	0.000	16.27	21.64
9 13 34	50.00	18.57	28.543	10367.	.063	LOW	0.000	16.26	20.52
9 13 39	50.24	18.84	28.495	10460.	.075	LOW	0.000	16.2[illegible]	21.11
9 13 44	49.52	17.86	28.055	10550.	.054	LOW	0.000	16.25	21.76
9 13 49	45.91	17.86	28.397	10505.	.063	LOW	0.000	16.25	21.76
9 13 59	50.48	18.57	28.152	10092.	.063	LOW	0.000	16.27	21.76
9 13 59	49.52	19.11	28.104	10229.	.067	LOW	0.000	16.27	21.73
9 14 9	50.48	17.68	28.055	10183.	.071	LOW	0.000	16.27	21.64
9 14 9	50.48	17.23	28.055	10229.	.071	LOW	0.000	16.27	21.70
9 14 14	46.15	16.61	28.228	10275.	.027	LOW	0.000	16.25	21.76
9 14 19	47.84	17.50	28.788	10229.	.045	LOW	0.000	16.25	21.76
9 14 24	50.48	19.04	28.055	10183.	.089	LOW	0.000	16.26	21.53
9 14 29	50.71	19.04	28.201	9954.	.089	LOW	0.000	16.26	21.58
9 14 34	42.31	18.04	28.055	11101.	.054	LOW	0.000	16.26	21.76
9 14 40	45.67	18.84	28.104	10826.	.040	LOW	0.000	16.26	21.73
9 14 45	49.52	20.54	28.348	10275.	.063	LOW	0.000	16.27	21.70
9 14 50	49.52	19.82	28.201	10367.	.076	LOW	0.000	16.27	21.64
9 14 55	49.52	19.29	27.957	10459.	.080	LOW	0.000	16.28	21.64
9 15 0	49.04	18.93	28.298	10459.	.076	LOW	0.000	16.26	21.56
9 15 5	48.56	17.68	28.250	10459.	.089	LOW	0.000	16.26	21.76
9 15 10	49.04	18.13	28.348	10321.	.045	LOW	0.000	16.26	21.76
9 15 15	50.48	19.82	28.250	10183.	.089	LOW	0.000	16.26	21.70
9 15 20	50.48	19.55	28.201	10183.	.085	LOW	0.000	16.27	21.70
9 15 25	48.08	18.57	28.446	10275.	.071	LOW	0.000	16.26	21.82
9 15 30	48.32	19.55	28.592	10367.	.080	LOW	0.000	16.26	21.76
9 15 35	49.52	17.68	28.055	10459.	.071	LOW	0.000	16.27	21.64
9 15 40	49.28	17.77	27.908	10596.	.040	LOW	0.000	16.26	21.64
9 15 45	50.48	18.21	28.250	10642.	0.000	LOW	0.000	16.26	21.64
9 15 50	50.48	18.57	28.739	10550.	0.000	LOW	0.000	16.25	21.67

TIME H/M/S .02	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 52 POSITN PRIMRY RAM EXIT DOOR	AF TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/MENG	PR 05 POSITN THRJTL L/MENG	FC 01 POSTN F_AP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
9 15 55	50.48	19.11	28.055	10092.	0.000	LOW	0.000	16.25	21.64
9 16 0	50.48	19.20	28.152	10275.	.009	LOW	0.000	16.25	21.64
9 16 5	50.48	18.39	28.152	10459.	0.000	LOW	0.000	16.26	21.64
9 16 10	50.00	18.84	28.250	10459.	0.000	LOW	0.000	16.25	21.67
9 16 15	50.48	17.68	27.859	10459.	0.000	LOW	0.000	16.25	21.70
9 16 20	50.71	18.13	28.299	10413.	.009	LOW	0.000	16.25	21.70
9 16 25	50.48	18.39	28.055	10642.	0.000	LOW	0.000	16.25	21.70
9 16 35	50.24	18.21	28.250	10505.	0.000	LOW	0.000	16.26	21.64
9 15 35	50.48	19.29	27.957	10459.	0.000	LOW	0.000	16.25	21.70
9 16 45	50.48	18.48	28.201	10413.	0.000	LOW	0.000	16.25	21.70
9 16 45	48.08	18.57	28.055	10459.	.027	LOW	0.000	16.25	21.53
9 16 50	49.28	19.38	28.055	10413.	.022	LOW	0.000	16.25	21.53
9 16 55	50.95	18.39	28.250	10550.	0.000	LOW	0.000	16.26	21.64
9 17 0	50.71	34.46	28.250	10505.	0.000	LOW	0.000	16.26	21.67
9 17 5	51.43	1.43	28.152	10459.	0.000	LOW	0.000	16.26	21.64
9 17 10	50.71	2.32	28.152	10367.	0.000	LOW	0.000	16.26	21.67
9 17 16	50.00	2.32	28.055	10459.	0.000	LOW	0.000	16.25	21.70
9 17 21	50.24	2.83	28.104	10275	.018	LOW	0.000	16.25	21.73
9 17 26	50.48	2.14	28.445	10367.	0.000	LOW	0.000	16.26	21.64
9 17 31	50.71	1.34	28.397	10367.	.004	LOW	0.000	16.26	21.64
9 17 36	50.48	100.00	28.055	10367.	0.000	LOW	0.000	16.25	21.70
9 17 41	50.48	100.00	28.005	10367.	0.000	LOW	0.000	16.25	21.67
9 17 46	50.95	100.00	28.152	10183.	.009	LOW	0.000	16.26	21.70
9 17 51	50.95	100.00	28.152	10321.	.013	LOW	0.000	16.25	21.67
9 17 56	50.48	100.00	28.055	10275.	0.000	LOW	0.000	16.25	21.64
9 18 1	50.95	100.00	28.005	10275.	0.000	LOW	0.000	16.25	21.64
9 18 6	50.48	LOW	28.445	10275.	0.000	LOW	0.000	16.25	21.76
9 18 11	50.48	LOW	28.445	10229.	0.000	LOW	0.000	16.25	21.76
9 18 16	50.95	LOW	27.957	10275.	0.000	LOW	0.000	16.25	21.70
9 18 21	50.71	LOW	28.201	10275.	0.000	LOW	0.000	16.25	21.76
9 18 26	50.48	LOW	28.055	10183.	0.000	LOW	0.000	16.25	21.64
9 18 31	50.00	LOW	28.201	10275.	0.000	LOW	0.000	16.25	21.64
9 18 36	50.00	LOW	28.152	10275.	0.000	LOW	0.000	16.26	21.70
9 18 41	50.24	LOW	28.397	10183.	0.000	LOW	0.000	16.25	21.11
9 18 46	50.48	0.00	28.055	10092.	.027	LOW	0.000	16.25	21.70
9 18 51	50.71	*0000.00	28.201	10138.	.018	LOW	0.000	16.25	21.67
9 18 56	50.95	LOW	28.348	10092.	0.000	LOW	0.000	16.26	21.64
9 19 1	50.71	LOW	28.299	10092.	0.000	LOW	0.000	16.26	21.67
9 19 6	50.48	.71	28.250	10275.	0.000	LOW	0.000	16.25	21.64
9 19 19	49.76	1.25	28.104	10183.	.018	LOW	0.000	16.25	21.74
9 19 21	51.43	1.43	28.348	10092.	.009	LOW	0.000	16.25	22.19
9 19 26	51.19	1.79	28.201	10138.	.045	LOW	0.000	16.25	21.98
9 19 26	50.48	2.14	28.789	9725.	.018	LOW	0.000	16.25	21.70
9 19 31	51.24	2.05	28.543	9954.	.013	LOW	0.000	16.25	21.70
9 19 36	49.52	100.00	28.055	10183.	0.000	LOW	0.000	16.22	21.70
9 19 41	50.00	100.00	28.250	10138.	.009	LOW	0.000	16.23	21.70
9 19 46	50.48	100.00	28.152	10092.	.009	LOW	0.000	16.25	21.64
9 19 54	50.48	37.68	28.201	10092.	.004	LOW	0.000	16.22	21.70
9 19 57	50.95	35.36	28.445	10092.	0.000	LOW	0.000	16.25	22.29

TIM H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR =	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/MENG	PR 06 POSITN THROTL L/MENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
9 20 2	50.95	95.71	28.445	9908.	.004	LOW	0.000	16.25	21.97
9 20 7	50.00	LOW	28.152	10C92.	.009	LOW	0.000	16.25	21.58
9 20 12	50.24	LOW	28.104	10138.	.018	LOW	0.000	16.26	21.53
9 20 17	50.48	LOW	28.543	10550.	0.000	LOW	0.000	16.26	21.82
9 20 22	50.24	LOW	28.397	10229.	.004	LOW	0.000	16.25	21.67
9 20 27	50.48	LOW	27.957	10000.	.018	LOW	0.000	16.26	21.58
9 20 32	50.48	LOW	28.055	9954.	.009	LOW	0.000	16.26	21.61
9 20 37	50.48	LOW	28.445	9817.	.003	LOW	0.000	16.25	21.64
9 20 42	50.95	LOW	28.348	9908.	.003	LOW	0.000	16.25	21.70
9 20 47	50.48	LOW	28.250	10092.	0.000	LOW	0.000	16.25	21.70
9 20 52	50.24	LOW	28.104	9862.	0.006	LOW	0.000	16.25	21.67
9 20 57	51.43	LOW	28.152	10000.	.009	LOW	0.000	16.25	21.70
9 21 2	51.19	LOW	28.299	9908.	.003	LOW	0.000	16.25	21.73
9 21 7	50.48	11.25	28.348	9817.	0.000	LOW	0.000	16.25	21.76
9 21 12	50.48	6.34	28.201	9862.	.004	LOW	0.000	16.24	21.73
9 21 17	42.31	2.68	28.152	9908.	0.000	LOW	0.000	16.25	21.64
9 21 22	46.33	2.41	28.104	9817.	0.000	LOW	0.000	16.25	21.67
9 21 27	50.48	2.36	28.445	9908.	0.000	LOW	0.000	16.26	21.70
9 21 32	50.48	2.50	28.495	9862.	0.000	LOW	0.000	16.25	21.70
9 21 37	50.48	2.86	28.445	9725.	0.000	LOW	0.000	16.26	21.64
9 21 42	50.71	2.41	28.445	9817.	0.000	LOW	0.000	16.25	21.67
9 21 47	50.48	2.68	28.055	9817.	0.000	LOW	0.000	16.26	21.70
9 21 57	50.71	2.86	28.201	9771.	0.000	LOW	0.000	16.25	21.70
9 22 2	50.48	2.32	28.348	10000.	0.000	LOW	0.000	16.25	21.76
9 22 2	50.48	1.88	28.250	9862.	0.000	LOW	0.000	16.25	21.73
9 22 7	50.95	LOW	27.957	9817.	0.000	LOW	0.000	16.25	21.76
9 22 12	49.51	LOW	28.201	9817.	.009	LOW	0.000	16.24	21.73
9 22 17	50.48	LOW	28.152	9633.	0.000	LOW	0.000	16.25	21.76
9 22 22	50.48	*0000.00	28.201	9725.	.004	LOW	0.000	16.25	21.70
9 22 35	50.95	LOW	27.853	9817.	0.000	LOW	0.000	16.25	21.76
9 22 33	50.95	LOW	28.152	9771.	0.000	LOW	0.000	16.25	21.82
9 22 38	50.48	LOW	28.250	9817.	0.000	LOW	0.000	16.25	21.64
9 22 43	51.13	*0000.00	28.201	9771.	.004	LOW	0.000	16.25	21.67
9 62 48	50.48	LOW	28.348	9725.	.018	LOW	0.000	16.25	21.70
9 22 53	50.71	LOW	28.348	8991.	.003	LOW	0.000	16.25	21.70
9 22 58	50.95	LOW	28.250	9633.	.009	LOW	0.000	16.25	21.70
9 23 3	50.48	LOW	28.152	9679.	.004	LOW	0.000	16.25	21.73
9 63 8	50.48	49.11	28.250	9633.	0.000	LOW	0.000	16.25	21.76
9 23 13	50.24	38.30	28.152	9725.	.004	LOW	0.000	16.26	21.73
9 23 18	50.48	45.36	28.152	9725.	0.000	LOW	0.000	16.26	21.64
9 23 23	50.24	24.02	28.250	9725.	0.000	LOW	0.000	16.26	21.61
9 23 28	50.00	99.46	28.055	9817.	0.000	LOW	0.000	16.25	21.70
9 23 33	51.13	99.73	28.104	9725.	0.000	LOW	0.000	16.25	21.58
9 23 38	50.00	100.00	28.250	9633.	0.000	LOW	0.000	16.24	21.70
9 23 43	50.00	100.00	28.397	9633.	0.000	LOW	0.000	*0000.00	21.70
9 63 48	50.48	100.00	28.348	9633.	0.000	LOW	0.000	16.25	21.64
9 23 53	50.24	91.36	28.445	9633.	.004	LOW	0.000	16.25	21.70
9 23 58	50.00	3.04	28.348	9633.	0.000	LOW	0.000	16.25	21.70
9 24 3	50.24	2.59	28.299	9633.	0.000	LOW	0.000	16.25	21.70

TIME M/M/S 02	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR =	AF → TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
9 24 8	50.00	1.43	28.345	9633.	0.000	LOW	0.000	16.27	21.70
9 24 13	51.19	11.34	28.293	9633.	0.000	LOW	0.000	16.26	21.67
9 24 18	51.43	82.14	28.348	9541.	0.000	LOW	0.000	16.24	21.70
9 24 23	50.71	80.00	28.445	9633.	0.000	LOW	0.000	16.25	21.67
9 28 16	50.48	3.39	28.152	9450.	0.000	LOW	3.585	16.25	21.64
9 28 21	50.24	2.68	28.152	9450.	0.000	LOW	15.851	16.25	21.64
9 28 34	50.48	3.21	28.445	9450.	0.000	LOW	33.254	16.25	22.19
9 28 31	50.48	2.86	28.201	9495.	0.000	LOW	33.332	16.25	22.24
9 28 36	50.48	2.32	28.250	9358.	0.000	LOW	30.061	16.25	21.58
9 28 41	50.48	2.41	28.105	9404.	0.000	LOW	26.556	16.25	21.61
9 28 46	50.95	3.39	28.152	9266.	0.000	LOW	19.547	16.26	21.70
9 28 51	50.48	2.86	28.055	9450.	0.000	LOW	16.471	16.25	21.70
9 28 56	50.48	3.57	28.348	9450.	0.000	LOW	8.093	16.22	21.70
9 29 1	50.24	3.04	28.348	9358.	0.000	LOW	3.602	16.24	21.70
9 29 6	49.52	4.11	27.957	9266.	0.000	LOW	20.380	16.26	21.70
9 29 16	50.47	4.20	28.152	9266.	0.000	LOW	15.430	16.26	21.70
9 29 16	50.95	3.57	28.250	9450.	0.000	LOW	1.747	16.24	21.64
9 29 21	50.48	3.75	28.250	9404.	0.000	LOW	.873	16.23	21.56
9 29 26	50.48	3.04	28.348	9266.	0.000	LOW	.728	16.26	21.70
9 29 31	50.48	3.48	28.250	9266.	0.000	LOW	.877	16.26	21.70
9 29 36	50.95	2.32	28.055	9266.	0.000	LOW	13.506	16.26	21.58
9 29 41	50.24	2.86	24.104	9312.	0.000	LOW	11.194	16.25	21.61
9 29 47	50.00	3.57	24.348	9266.	0.000	LOW	7.710	16.25	21.70
9 29 52	50.24	3.84	28.397	9358.	0.000	LOW	10.214	16.26	21.67
9 29 65	50.48	4.11	28.348	9266.	0.000	LOW	18.457	16.26	21.64
9 30 2	50.24	3.13	29.397	9266.	0.000	LOW	21.183	16.26	21.64
9 30 7	50.48	2.14	28.348	9450.	0.000	LOW	29.350	16.26	20.99
9 30 12	50.00	2.23	28.293	9358.	0.000	LOW	31.813	16.25	21.32
9 30 17	50.00	3.04	29.032	9266.	0.000	LOW	34.344	16.26	21.76
9 30 22	49.76	3.30	28.592	9266.	0.000	LOW	30.622	16.27	21.76
9 30 27	50.48	2.32	28.348	9174.	0.000	LOW	.156	16.19	21.64
9 30 32	50.48	2.32	28.293	9220.	0.000	LOW	.078	16.22	21.67
9 30 37	49.52	4.29	28.055	9266.	0.000	LOW	0.000	16.25	21.64
9 30 42	50.00	3.84	28.104	9220.	0.000	LOW	0.000	16.25	21.61
9 30 47	50.00	3.57	28.055	9266.	0.000	LOW	0.000	22.95	21.64
9 30 52	50.24	4.02	28.005	9174.	0.000	LOW	0.000	31.96	21.64
9 30 57	50.00	1.96	28.152	9358.	0.000	LOW	0.000	60.00	21.82
9 31 2	49.76	1.79	28.293	9220.	0.000	LOW	0.000	65.54	21.76
9 31 7	50.00	3.21	28.348	9266.	0.000	LOW	0.000	70.83	21.70
9 31 12	50.24	3.04	29.053	9128.	0.000	LOW	0.000	70.87	21.76
9 31 17	50.48	3.75	28.152	8991.	0.000	LOW	0.000	70.66	21.70
9 31 22	50.48	3.21	28.152	9037.	0.000	LOW	0.000	71.09	21.70
9 31 27	50.00	2.14	28.250	9266.	.015	LOW	0.000	70.74	21.64
9 31 32	50.24	2.68	29.293	9174.	.039	LOW	0.000	70.61	21.76
9 31 37	50.00	3.21	28.055	9083.	0.000	LOW	0.000	70.66	21.64
9 31 42	50.00	3.66	28.152	8899.	0.000	LOW	0.000	70.74	21.64
9 31 52	50.00	2.43	28.445	9083.	.015	LOW	0.000	70.83	21.47
9 31 57	50.24	1.79	28.293	9083.	.039	LOW	0.000	70.70	21.61
9 31 57	49.52	2.68	28.055	8991.	0.000	LOW	0.000	70.83	21.76

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 02 POSITN PRIMRY RAM EXIT DOOR =	AF + TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN F_AP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
9 32 2	49.76	3.13	28.201	9037.	0.000	LOW	0.000	70.74	21.67
9 32 7	50.00	3.93	28.152	8716.	0.000	LOW	0.000	70.66	21.70
9 32 12	50.24	3.04	28.055	8853.	0.000	LOW	0.000	70.83	21.64
9 32 17	50.95	3.75	28.348	8991.	0.000	LOW	0.000	71.00	21.64
9 32 22	50.71	3.84	28.250	8716.	0.000	LOW	0.000	70.87	21.67
9 32 28	50.48	3.21	27.664	9083.	0.000	LOW	0.000	71.17	21.70
9 32 33	50.48	3.21	28.055	9037.	0.000	LOW	0.000	71.04	21.67
9 32 38	49.52	1.43	28.055	9174.	0.000	LOW	0.000	70.91	21.70
9 32 43	49.76	2.41	28.201	9083.	0.000	LOW	0.000	70.87	21.67
9 72 48	50.48	4.11	28.152	8899.	0.000	LOW	0.000	70.66	21.70
9 32 53	50.48	3.04	28.104	8899.	0.000	LOW	0.000	71.00	21.58
9 32 58	52.38	3.57	28.250	9083.	0.000	LOW	0.000	70.91	21.70
9 33 3	51.43	3.30	27.957	8991.	0.000	LOW	0.000	70.96	21.61
9 73 8	50.48	3.75	28.055	8899.	0.000	LOW	0.000	70.66	21.76
9 33 13	50.71	2.50	28.152	8807.	0.000	LOW	0.000	70.91	21.73
9 33 18	50.00	1.61	29.032	8899.	0.000	LOW	0.000	70.83	21.76
9 33 23	50.08	2.77	28.788	8853.	0.000	LOW	0.000	70.70	21.70
9 33 28	50.48	2.14	27.957	8991.	0.000	LOW	0.000	70.83	21.64
9 33 33	50.71	2.23	28.152	8807.	0.000	LOW	0.000	71.04	21.64
9 33 38	50.95	2.86	28.055	8716.	0.000	LOW	0.000	71.26	21.58
9 33 43	50.95	2.86	28.152	8991.	0.000	LOW	0.000	71.13	21.64
9 73 48	50.48	1.43	28.348	8807.	0.000	LOW	0.000	71.26	21.47
9 33 53	50.71	2.41	28.299	8807.	0.000	LOW	0.000	71.09	21.61
9 33 58	50.08	1.96	28.445	8257.	0.000	LOW	0.000	71.00	21.70
9 34 3	50.00	2.32	27.957	8578.	0.000	LOW	0.000	71.00	21.67
9 34 8	50.00	3.75	28.250	8899.	0.000	LOW	0.000	70.91	21.64
9 34 13	50.00	2.77	28.201	8899.	0.000	LOW	0.000	70.91	21.67
9 34 18	50.95	1.25	28.152	8624.	0.000	LOW	0.000	71.09	21.70
9 34 28	50.71	1.52	28.397	8716.	0.000	LOW	0.000	70.96	21.70
9 34 33	50.48	3.21	28.055	8716.	0.000	LOW	0.000	70.91	21.64
9 34 33	50.48	3.04	28.006	8761.	0.000	LOW	0.000	70.83	21.67
9 34 38	50.95	2.32	28.152	8716.	.009	LOW	0.000	70.91	21.76
9 34 43	50.71	2.23	28.250	8761.	.004	LOW	0.000	70.87	21.67
9 34 48	50.48	3.04	28.250	8624.	0.000	LOW	0.000	70.22	21.76
9 34 53	50.71	2.95	27.957	8670.	0.000	LOW	0.000	70.35	21.76
9 34 58	50.48	3.21	27.664	8716.	0.000	LOW	0.000	71.17	21.70
9 35 4	50.24	2.95	28.006	8624.	0.000	LOW	0.000	71.13	21.58
9 35 9	50.48	3.21	28.250	8716.	0.000	LOW	0.000	71.09	21.70
9 35 14	50.24	2.86	28.250	8624.	0.000	LOW	0.000	71.17	21.64
9 35 19	51.43	3.57	28.348	8716.	0.000	LOW	0.000	71.17	21.64
9 35 24	51.43	3.48	28.397	8532.	0.000	LOW	0.000	71.17	21.64
9 35 29	50.00	2.14	28.055	8624.	0.000	LOW	0.000	71.35	21.76
9 35 34	50.24	1.98	28.152	8670.	0.000	LOW	0.000	71.35	21.73
9 35 39	50.00	2.14	28.250	8532.	0.000	LOW	0.000	63.54	21.76
9 35 44	50.24	2.14	28.104	8670.	0.000	LOW	0.000	56.35	21.64
9 35 49	50.48	4.29	28.055	8532.	.027	LOW	0.000	55.71	21.70
9 35 54	50.24	3.21	28.104	8578.	.013	LOW	0.000	23.21	21.67
9 35 59	50.48	3.75	28.152	8715.	0.000	LOW	0.000	16.27	21.64
9 36 4	50.48	3.84	28.201	8670.	0.000	LOW	0.000	16.26	21.70

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/MENG	PR 06 POSITN THRJTL L/MENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
9 36 9	50.48	2.14	27.957	8532.	0.000	LOW	0.000	16.27	21.70
9 36 14	50.24	2.14	28.006	8716.	0.000	LOW	0.000	16.27	21.70
9 36 19	50.00	3.93	28.152	8716.	0.000	LOW	0.000	16.27	21.70
9 36 24	50.48	3.75	28.250	8670.	0.000	LOW	0.000	16.25	21.70
9 36 29	50.00	2.50	28.446	8716.	0.000	LOW	0.000	16.25	21.64
9 36 34	49.76	2.59	28.299	8716.	0.000	LOW	0.000	16.26	21.70
9 36 39	49.52	1.96	27.957	8807.	.027	LOW	0.000	16.26	21.73
9 36 44	50.00	2.41	28.152	8716.	.013	LOW	0.000	16.26	21.64
9 36 49	50.95	1.96	28.152	8807.	0.000	LOW	0.000	16.26	21.61
9 36 54	50.00	1.96	28.152	8807.	0.000	LOW	0.000	16.26	20.52
9 37 4	49.52	2.14	28.348	8624.	0.000	LOW	0.000	16.26	21.14
9 37 9	49.52	2.32	28.152	8670.	.036	LOW	0.000	16.25	21.76
9 37 9	48.15	3.75	28.152	8624.	0.000	LOW	0.000	16.25	21.73
9 37 14	48.08	3.43	28.250	8578.	0.000	LOW	0.000	16.26	21.70
9 37 19	50.00	3.39	28.250	8532.	0.000	LOW	0.000	16.25	21.67
9 37 24	50.00	2.68	28.250	8624.	0.000	LOW	0.000	16.25	21.64
9 37 29	49.52	2.68	28.055	8716.	0.000	LOW	0.000	16.25	21.64
9 37 34	49.52	2.68	27.859	8670.	0.000	LOW	0.000	16.26	21.70
9 37 40	50.00	3.93	28.543	8532.	0.000	LOW	0.000	16.26	21.70
9 37 45	49.76	4.11	28.201	8578.	.004	LOW	0.000	16.26	21.47
9 37 50	50.48	4.29	28.055	8532.	0.000	LOW	0.000	16.26	21.56
9 37 55	50.00	3.39	28.201	8716.	0.000	LOW	0.000	25.59	21.64
9 38 0	49.52	4.64	28.055	8716.	0.000	LOW	0.000	33.19	21.56
9 38 5	49.52	4.64	28.006	8716.	0.000	LOW	0.000	57.14	21.70
9 38 10	50.48	2.68	28.250	8716.	.009	LOW	0.000	63.90	21.67
9 38 15	50.48	3.13	28.299	8670.	.034	LOW	0.000	71.09	21.70
9 38 20	50.00	4.29	28.152	8716.	.016	LOW	0.000	70.44	21.67
9 38 25	50.00	4.20	28.006	8670.	.009	LOW	0.000	53.96	21.47
9 38 30	49.52	1.96	28.152	8716.	0.000	LOW	0.000	46.74	21.58
9 38 35	49.52	2.41	28.250	8670.	0.000	LOW	0.000	26.29	21.76
9 38 40	50.00	2.68	28.348	8624.	0.000	LOW	0.000	21.26	21.70
9 38 45	50.00	2.41	28.201	8578.	0.000	LOW	0.000	16.27	21.64
9 38 50	50.00	4.29	28.250	8624.	0.000	LOW	0.000	16.27	21.67
9 38 55	49.76	3.30	28.250	8670.	0.000	LOW	0.000	16.26	21.70
9 39 0	48.08	3.75	28.152	8716.	.009	LOW	0.000	16.27	21.70
9 39 5	48.80	3.30	28.055	8670.	.004	LOW	0.000	16.27	21.64
9 39 10	50.48	4.11	28.348	8624.	0.000	LOW	0.000	16.27	21.70
9 39 15	50.00	3.39	28.201	8624.	0.000	LOW	0.000	16.26	21.70
9 39 20	49.52	3.21	28.055	8807.	0.000	LOW	0.000	16.26	21.70
9 47 6	49.76	3.66	27.908	8716.	0.000	LOW	0.000	16.27	21.70
9 47 11	48.08	2.14	28.348	8440.	0.000	LOW	0.000	16.26	21.73
9 47 16	43.28	2.32	28.250	8440.	0.000	LOW	0.000	16.29	21.70
9 48 25	50.00	LOW	28.055	8716.	0.000	LOW	0.000	16.28	21.73
9 48 30	49.76	*3000.00	28.104	8578.	0.000	LOW	0.000	16.26	21.53
9 48 35	49.52	LOW	28.250	8349.	.318	LOW	0.000	16.26	21.58
10 8 22	49.04	*3000.00	28.152	8303.	.003	LOW	0.000	16.62	21.58
10 0 27	49.04	1.96	28.348	8165.	0.000	LOW	0.000	16.46	21.61
10 0 32	48.80	2.05	28.152	8211.	0.000	LOW	0.000	16.70	21.62
10 0 37	48.56	1.79	27.957	8165.	0.000	LOW	0.000	16.28	21.47

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/MENG	PR 06 POSITN THROTL L/MENG	FC 01 POSITN F_AP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
10 0 42	48.32	1.70	28.305	8165.	0.300	LOW	0.000	16.28	21.56
10 0 47	48.56	64.11	28.055	8165.	0.000	LOW	0.000	16.25	21.64
10 0 52	49.04	82.85	28.201	8165.	0.000	LOW	0.000	16.26	21.70
10 0 57	48.56	100.00	27.761	7982.	0.000	LOW	0.000	16.26	21.70
10 1 2	49.52	100.00	27.957	8073.	0.000	LOW	0.000	16.26	21.73
10 1 7	49.52	99.11	28.055	8257.	0.000	LOW	0.000	16.26	21.76
10 1 12	49.52	99.55	28.201	8165.	0.000	LOW	0.000	16.26	21.70
10 1 17	48.56	99.29	28.055	8257.	0.000	LOW	0.000	16.26	21.64
10 1 22	48.32	99.55	27.957	8165.	0.000	LOW	0.000	16.26	21.61
10 1 32	49.52	100.00	27.761	7982.	0.000	LOW	0.000	16.26	21.70
10 1 32	49.04	100.00	28.055	8028.	0.000	LOW	0.000	16.26	21.67
10 1 42	48.56	100.00	28.250	8165.	0.000	LOW	0.000	16.25	21.70
10 1 42	49.04	68.75	28.152	8211.	0.000	LOW	0.000	16.25	21.58
10 1 47	49.04	38.21	28.152	8257.	0.000	LOW	0.000	16.25	21.70
10 1 52	48.56	58.30	28.201	8165.	0.000	LOW	0.000	16.43	21.67
10 1 57	49.04	37.66	28.055	7525.	0.000	LOW	0.000	16.26	21.64
10 2 2	49.28	38.84	27.909	7798.	.009	LOW	0.000	16.26	21.67
10 2 7	48.08	38.04	28.055	8073.	0.000	LOW	0.000	16.27	21.64
10 2 13	47.84	37.77	28.152	8165.	0.000	LOW	0.000	16.27	21.61
10 2 18	48.08	38.04	28.055	8165.	.039	LOW	0.300	16.27	21.47
10 2 23	48.08	37.95	28.005	8073.	.049	LOW	0.000	16.26	21.58
10 2 28	47.12	39.29	27.957	7982.	0.000	LOW	0.000	16.25	21.64
10 2 33	46.63	39.64	28.104	7982.	0.000	LOW	0.000	16.25	21.64
10 2 38	48.56	37.32	28.152	8073.	0.000	LOW	0.000	16.26	21.58
10 2 43	49.04	38.21	28.105	8073.	0.000	LOW	0.000	16.40	21.67
10 42 48	50.00	39.82	27.761	7982.	0.000	LOW	0.000	16.26	21.70
10 2 53	49.52	39.73	27.908	7982.	0.000	LOW	0.000	16.25	21.67
10 2 58	48.56	39.04	27.957	7982.	0.000	LOW	0.000	16.26	21.70
10 3 3	48.56	39.04	28.006	7844.	0.000	LOW	0.000	16.26	21.67
10 43 8	48.56	40.00	27.761	7982.	0.000	LOW	0.000	16.26	21.70
10 3 13	48.32	38.84	28.055	7982.	.004	LOW	0.000	16.26	21.67
10 3 18	48.56	39.29	27.957	7982.	0.000	LOW	0.000	16.26	21.76
10 3 23	49.04	39.38	28.152	8073.	0.000	LOW	0.000	16.26	21.73
10 3 28	48.56	39.29	27.957	8073.	0.000	LOW	0.000	16.26	21.58
10 3 33	48.80	39.02	28.104	8028.	0.000	LOW	0.000	16.26	21.61
10 3 38	48.56	37.68	27.957	7982.	0.000	LOW	0.000	16.26	21.76
10 3 43	47.84	37.41	28.104	8028.	0.000	LOW	0.000	16.26	21.67
10 43 48	49.04	39.82	28.055	8165.	.027	LOW	0.000	16.62	21.70
10 3 53	48.08	39.11	28.299	7935.	.036	LOW	0.000	16.44	21.73
10 3 58	47.60	37.66	27.761	7706.	.018	LOW	0.000	16.25	21.70
10 4 8	47.60	37.14	27.908	7661.	.036	LOW	0.000	16.25	21.73
10 4 8	47.60	36.79	28.055	7798.	.036	LOW	0.000	16.27	21.76

C COMMUTATOR

TIME H/M/S	DS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR JPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
8 57 9	844.	.06	128.	15.00	-.02	123.	123.	123.	129.	123.	124.	130.	131.
8 57 14	622.	.05	124.	15.00	-.03	121.	123.	123.	129.	124.	124.	127.	130.
8 57 19	1200.	.09	114.	15.00	0.00	124.	121.	126.	129.	123.	124.	119.	128.
8 57 24	1378.	.09	112.	15.00	-.01	124.	122.	123.	127.	119.	124.	121.	129.
8 57 29	1200.	.04	125.	15.00	-.00	122.	121.	124.	128.	123.	124.	132.	130.
8 57 42	1156.	.01	120.	15.00	-.00	122.	121.	123.	120.	123.	120.	130.	130.
8 57 39	756.	.01	124.	15.00	0.00	116.	121.	124.	127.	123.	123.	129.	131.
8 57 49	933.	.01	124.	15.00	.02	119.	122.	124.	127.	124.	124.	120.	131.
8 57 54	756.	.06	124.	15.00	-.04	123.	123.	125.	129.	118.	124.	125.	116.
8 57 59	889.	.14	125.	15.00	-.02	123.	122.	125.	129.	120.	124.	124.	122.
8 58 4	1644.	-.01	128.	15.00	-.04	127.	123.	129.	128.	124.	125.	121.	126.
8 58 9	1156.	.03	127.	15.00	-.01	120.	122.	120.	126.	123.	124.	123.	127.
8 58 9	1200.	8.00	121.	15.00	-.02	125.	123.	123.	123.	125.	123.	128.	130.
8 58 14	1156.	.05	121.	15.00	-.01	126.	122.	123.	123.	124.	124.	127.	129.
8 58 19	756.	.04	119.	15.00	.01	121.	123.	123.	125.	124.	125.	129.	132.
8 58 24	889.	.08	128.	15.00	.01	122.	122.	122.	126.	124.	124.	129.	131.
8 58 29	1733.	0.00	128.	15.00	-.04	125.	123.	125.	121.	126.	125.	127.	129.
8 58 34	1333.	.01	124.	15.00	-.03	124.	123.	125.	124.	125.	125.	127.	130.
8 58 40	933.	.03	117.	15.00	-.02	125.	123.	128.	129.	123.	125.	124.	127.
8 58 45	1244.	.04	125.	15.00	.00	124.	119.	128.	130.	123.	125.	122.	127.
8 58 50	844.	.15	127.	15.00	.01	124.	122.	127.	129.	123.	123.	118.	124.
8 58 55	667.	.07	127.	15.00	.01	124.	122.	125.	127.	123.	124.	121.	120.
8 59 0	1111.	-.12	111.	15.00	-.02	124.	121.	116.	128.	123.	124.	125.	128.
8 59 5	933.	-.05	121.	15.00	.02	123.	121.	122.	129.	123.	121.	123.	127.
8 59 10	1111.	.03	119.	15.00	-.00	123.	121.	126.	129.	123.	125.	121.	116.
8 59 15	1156.	.10	120.	15.00	.05	125.	121.	127.	128.	123.	125.	122.	120.
8 59 20	1200.	-.01	117.	15.00	-.03	121.	122.	128.	124.	124.	125.	123.	126.
9 10 18	1200.	.12	147.	15.00	-.01	122.	122.	128.	125.	124.	125.	122.	126.
9 10 23	1111.	.35	193.	15.00	.00	125.	122.	127.	127.	123.	123.	121.	128.
9 10 28	1156.	.27	195.	15.00	.08	124.	121.	126.	127.	123.	124.	121.	127.
9 10 33	1022.	.31	193.	15.00	-.01	124.	122.	127.	128.	123.	124.	123.	128.
9 10 38	1067.	.34	200.	15.00	-.01	122.	122.	125.	128.	122.	124.	119.	130.
9 10 43	667.	.25	219.	15.00	.02	123.	121.	124.	129.	121.	123.	126.	132.
9 10 53	533.	.24	218.	15.00	-.01	123.	121.	126.	129.	121.	123.	125.	130.
9 10 58	1378.	.34	221.	15.00	-.01	125.	123.	129.	125.	123.	124.	119.	127.
9 11 3	809.	.29	223.	15.00	-.01	126.	122.	128.	123.	123.	124.	122.	127.
9 11 3	756.	.22	217.	15.00	-.04	123.	123.	125.	125.	125.	122.	127.	130.
9 51 8	667.	.26	237.	15.00	-.03	124.	122.	127.	126.	124.	122.	123.	129.
9 11 13	311.	.34	268.	15.00	0.00	125.	121.	128.	116.	123.	123.	123.	127.
9 11 23	711.	.32	264.	15.00	0.00	125.	122.	127.	119.	123.	123.	125.	128.
9 11 28	667.	.44	275.	15.00	.00	124.	121.	123.	122.	124.	124.	128.	126.
9 11 28	622.	.40	285.	15.00	-.01	124.	121.	123.	122.	124.	123.	127.	129.
9 11 33	756.	.37	307.	15.00	-.01	125.	123.	123.	116.	124.	123.	128.	131.
9 11 38	622.	.38	309.	15.00	-.01	124.	122.	124.	119.	124.	123.	128.	131.
9 11 43	400.	.31	316.	15.00	-.01	124.	123.	125.	125.	121.	124.	130.	132.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
9 51 48	356.	.33	320.	15.00	0.00	123.	122.	124.	125.	121.	123.	130.	132.
9 11 53	1111.	.35	334.	15.00	-.04	124.	123.	123.	126.	121.	123.	123.	130.
9 51 58	978.	.32	327.	15.00	-.04	124.	122.	119.	128.	122.	123.	122.	129.
9 12 4	667.	.32	355.	15.00	-.01	127.	121.	120.	123.	125.	124.	121.	126.
9 12 9	711.	.40	364.	15.00	-.00	125.	122.	126.	122.	124.	123.	124.	128.
9 12 14	844.	.50	395.	15.00	-.01	123.	123.	125.	127.	123.	123.	129.	133.
9 12 19	889.	.51	404.	15.00	-.00	125.	124.	127.	126.	123.	124.	125.	129.
9 12 24	400.	.45	446.	15.00	.00	120.	123.	120.	123.	123.	123.	122.	124.
9 12 29	356.	.51	459.	15.00	.01	121.	122.	125.	125.	122.	122.	125.	125.
9 12 34	1200.	.50	473.	15.00	-.01	121.	120.	127.	126.	119.	119.	118.	121.
9 12 39	800.	.43	485.	15.00	-.00	122.	119.	126.	126.	120.	118.	115.	118.
9 12 44	756.	.41	500.	15.00	-.01	123.	121.	126.	122.	120.	117.	117.	116.
9 12 49	667.	.38	498.	15.00	-.02	122.	120.	124.	120.	119.	117.	117.	117.
9 12 54	1111.	.22	500.	15.00	.06	120.	119.	122.	120.	116.	115.	117.	117.
9 12 59	1244.	.27	503.	15.00	.01	120.	119.	120.	120.	117.	112.	118.	117.
9 13 4	667.	.41	513.	15.00	.00	117.	118.	116.	120.	118.	114.	120.	117.
9 13 9	844.	.40	515.	15.00	-.01	116.	118.	117.	122.	117.	113.	118.	117.
9 13 14	311.	.48	532.	15.00	.00	115.	119.	116.	125.	117.	112.	113.	115.
9 13 19	667.	.46	531.	15.00	0.00	115.	118.	116.	123.	117.	112.	114.	115.
9 13 29	133.	.63	525.	15.00	.19	113.	115.	117.	121.	116.	111.	114.	113.
9 13 34	622.	.62	525.	15.00	.09	114.	116.	116.	122.	116.	110.	111.	110.
9 13 39	1289.	.31	516.	15.00	-.04	113.	116.	116.	123.	114.	108.	103.	104.
9 13 39	1067.	.34	501.	15.00	-.02	113.	116.	116.	122.	113.	108.	103.	103.
9 13 44	1022.	.40	477.	15.00	.02	108.	116.	111.	118.	105.	106.	108.	105.
9 13 49	800.	.42	457.	15.00	.02	108.	116.	111.	118.	109.	106.	108.	106.
9 13 59	400.	.35	415.	15.00	-.04	110.	115.	110.	117.	113.	106.	108.	110.
9 14 12	711.	.37	405.	15.00	-.02	107.	114.	109.	116.	113.	106.	108.	109.
9 14 9	756.	.35	398.	15.00	-.02	111.	105.	114.	114.	114.	106.	103.	105.
9 14 9	578.	.38	392.	15.00	-.01	110.	109.	113.	113.	115.	106.	105.	105.
9 14 14	667.	.39	373.	15.00	-.02	110.	110.	111.	115.	114.	106.	105.	107.
9 14 19	1022.	.40	364.	15.00	-.01	111.	112.	110.	115.	113.	106.	106.	107.
9 14 24	756.	.41	345.	15.00	-.01	108.	112.	108.	117.	112.	105.	109.	107.
9 14 29	711.	.36	354.	15.00	-.02	109.	112.	109.	118.	113.	105.	107.	107.
9 14 34	-311.	.21	364.	15.00	-.03	110.	112.	112.	120.	112.	106.	103.	104.
9 14 40	222.	.34	354.	15.00	-.01	111.	113.	113.	120.	112.	105.	102.	102.
9 14 45	1556.	.40	342.	15.00	0.00	110.	113.	114.	119.	112.	106.	100.	102.
9 14 50	1467.	.43	342.	15.00	-.00	108.	113.	113.	118.	113.	106.	100.	101.
9 14 55	756.	.47	355.	15.00	-.02	110.	112.	115.	118.	113.	100.	98.	101.
9 15 0	711.	.43	352.	15.00	-.03	110.	109.	112.	118.	112.	102.	102.	104.
9 15 5	1200.	.43	339.	15.00	-.03	109.	111.	110.	119.	112.	104.	105.	106.
9 15 10	1156.	.41	339.	15.00	-.03	109.	108.	109.	117.	111.	104.	105.	106.
9 15 15	756.	.34	352.	15.00	-.03	112.	112.	110.	113.	111.	104.	105.	105.
9 15 20	756.	.37	353.	15.00	-.02	111.	113.	110.	113.	111.	104.	105.	102.
9 15 25	1022.	.48	350.	15.00	-.00	108.	112.	110.	117.	110.	95.	103.	95.
9 15 30	800.	.41	346.	15.00	-.02	110.	112.	107.	116.	111.	100.	102.	98.
9 15 35	933.	.45	342.	15.00	0.10	111.	112.	112.	118.	112.	103.	95.	99.
9 15 40	489.	.22	340.	15.00	-.02	108.	112.	111.	116.	111.	102.	98.	100.
9 15 45	667.	.41	357.	15.00	.00	110.	110.	115.	119.	110.	103.	97.	102.
9 15 50	933.	.40	349.	15.00	-.02	109.	110.	113.	118.	111.	103.	98.	102.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/M ELECT BAY	EC 93 PRESS DIFF R/M ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/M CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/M CABIN
03													
9 15 55	044.	.47	359.	15.00	-.08	112.	112.	115.	117.	112.	104.	95.	97.
9 16 5	667.	.51	362.	15.00	.00	110.	112.	112.	116.	110.	104.	99.	96.
9 16 10	933.	.53	378.	15.00	-.02	108.	112.	110.	110.	113.	102.	98.	97.
9 16 18	1022.	.53	384.	15.00	-.03	109.	112.	110.	115.	113.	101.	97.	94.
9 16 15	1111.	.57	404.	15.00	-.00	109.	109.	108.	110.	112.	99.	93.	89.
9 16 20	889.	.60	416.	15.00	-.00	106.	108.	107.	112.	111.	99.	92.	88.
9 16 25	578.	.70	445.	15.00	-.00	103.	108.	106.	114.	109.	97.	79.	85.
9 16 35	000.	.63	449.	15.00	-.01	103.	107.	108.	112.	110.	96.	79.	80.
9 16 40	1022.	.57	478.	15.00	-.00	100.	106.	105.	112.	108.	93.	78.	76.
9 16 45	933.	.56	479.	15.00	-.01	100.	107.	105.	110.	100.	93.	80.	77.
9 16 45	756.	.44	482.	15.00	-.02	99.	106.	108.	105.	110.	90.	78.	73.
9 16 50	756.	.45	481.	15.00	-.02	99.	105.	108.	106.	109.	90.	75.	72.
9 16 55	1022.	.59	490.	15.00	-.00	96.	103.	100.	102.	109.	90.	00.	74.
9 17 0	1111.	.50	494.	15.00	-.02	96.	103.	103.	105.	108.	09.	75.	73.
9 17 5	489.	.57	500.	15.00	.00	95.	102.	100.	108.	100.	88.	00.	73.
9 17 10	533.	.57	510.	15.00	.04	94.	102.	108.	103.	107.	88.	77.	72.
9 17 16	1111.	.51	515.	15.00	.00	95.	102.	103.	106.	106.	88.	71.	78.
9 17 21	978.	.55	516.	15.00	.00	95.	102.	105.	103.	106.	88.	78.	68.
9 17 26	756.	.53	503.	15.00	-.02	94.	102.	97.	99.	103.	87.	74.	71.
9 17 31	1022.	.51	503.	15.00	-.01	94.	102.	98.	90.	105.	87.	73.	78.
9 17 36	933.	.53	506.	15.00	.03	91.	101.	97.	103.	103.	87.	69.	69.
9 17 41	1022.	.48	505.	15.00	.00	92.	99.	99.	101.	104.	87.	66.	67.
9 17 46	044.	.68	524.	15.00	-.00	90.	99.	96.	98.	105.	84.	74.	69.
9 17 51	978.	.56	524.	15.00	-.00	90.	99.	98.	100.	104.	84.	71.	68.
9 17 56	1007.	.44	516.	15.00	.03	90.	95.	101.	95.	105.	85.	67.	64.
9 18 1	1111.	.53	510.	15.00	.02	87.	97.	98.	95.	105.	85.	09.	66.
9 18 6	489.	.59	521.	15.00	-.02	89.	90.	94.	98.	105.	84.	73.	69.
9 18 11	800.	.60	518.	15.00	-.01	88.	98.	94.	90.	104.	84.	72.	69.
9 18 16	1200.	.59	516.	15.00	.11	88.	97.	94.	90.	103.	84.	07.	65.
9 18 21	1244.	.58	513.	15.00	.06	89.	98.	96.	97.	103.	03.	63.	63.
9 18 26	933.	.53	518.	15.00	-.01	95.	95.	98.	87.	104.	82.	03.	63.
9 18 31	1244.	.55	522.	15.00	-.01	88.	96.	98.	89.	104.	82.	64.	63.
9 18 41	578.	.57	510.	15.00	-.00	98.	97.	93.	91.	105.	02.	73.	71.
9 18 41	622.	.53	513.	15.00	-.00	88.	99.	93.	94.	103.	84.	74.	74.
9 18 46	1556.	.45	507.	15.00	.01	89.	102.	96.	99.	106.	90.	76.	81.
9 18 51	1556.	.53	500.	15.00	.01	90.	103.	99.	96.	106.	91.	73.	83.
9 18 56	844.	.45	513.	15.00	.01	91.	105.	97.	97.	108.	95.	94.	95.
9 19 1	1022.	.46	515.	15.00	-.01	93.	107.	102.	99.	108.	98.	91.	95.
9 19 11	1822.	.57	505.	15.00	-.01	98.	108.	106.	98.	110.	101.	94.	94.
9 19 16	1422.	.62	504.	15.00	.00	99.	108.	107.	98.	110.	101.	94.	94.
9 19 21	1200.	.57	511.	15.00	0.00	99.	105.	105.	99.	107.	97.	97.	95.
9 19 26	933.	.51	519.	15.00	-.02	99.	103.	103.	100.	107.	98.	95.	95.
9 19 26	1644.	.57	512.	15.00	.02	98.	103.	104.	105.	105.	95.	03.	92.
9 19 31	1467.	.56	514.	15.00	.01	99.	102.	106.	103.	106.	96.	87.	90.
9 19 36	844.	.51	516.	15.00	-.00	95.	102.	102.	98.	105.	95.	90.	89.
9 19 41	978.	.53	509.	15.00	-.00	95.	102.	104.	98.	105.	94.	87.	87.
9 19 46	1570.	.50	515.	15.00	0.00	97.	103.	104.	97.	105.	93.	84.	85.
9 19 59	1333.	.51	519.	15.00	-.01	96.	103.	102.	101.	104.	92.	86.	86.
9 19 57	1578.	.57	508.	15.00	0.00	97.	101.	105.	100.	105.	74.	70.	80.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/M ELECT BAY	EC 93 PRESS DIFF R/M ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/M CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/M CABIN
03													
9 20 2	1467.	.59	510.	15.00	0.00	96.	101.	104.	99.	105.	82.	79.	80.
9 20 7	1556.	.56	511.	15.00	.05	95.	101.	104.	101.	105.	90.	77.	76.
9 20 12	1333.	.56	515.	15.00	.02	95.	101.	103.	98.	104.	90.	78.	77.
9 20 17	1111.	.47	518.	15.00	-.02	93.	99.	95.	95.	102.	87.	82.	78.
9 20 22	1209.	.49	518.	15.00	-.02	90.	99.	96.	97.	102.	87.	82.	77.
9 20 27	1378.	.57	513.	15.00	-.01	87.	99.	102.	99.	101.	86.	71.	69.
9 20 32	1200.	.52	518.	15.00	-.09	89.	99.	98.	96.	102.	85.	74.	71.
9 20 37	756.	.60	520.	15.00	.00	90.	100.	95.	97.	103.	88.	82.	82.
9 20 42	800.	.55	519.	15.00	.00	92.	101.	99.	97.	104.	90.	83.	82.
9 20 47	1022.	.40	524.	15.00	-.00	91.	104.	97.	98.	107.	89.	92.	95.
9 20 52	1333.	.37	523.	15.00	-.01	94.	105.	101.	98.	108.	93.	91.	94.
9 20 57	1111.	.53	513.	15.00	-.00	96.	109.	101.	98.	109.	101.	102.	105.
9 21 2	1244.	.51	513.	15.00	-.00	98.	109.	104.	90.	110.	103.	102.	106.
9 21 7	844.	.63	508.	15.00	0.00	101.	111.	105.	104.	109.	105.	106.	105.
9 21 17	1244.	.62	517.	15.00	-.00	102.	110.	105.	105.	109.	104.	101.	104.
9 21 17	756.	.60	512.	15.00	0.00	106.	108.	106.	101.	107.	103.	103.	103.
9 21 22	889.	.60	516.	15.00	-.00	105.	107.	104.	101.	107.	102.	103.	103.
9 21 27	1556.	.50	513.	15.00	-.03	103.	104.	108.	107.	105.	101.	97.	100.
9 21 32	1156.	.51	515.	15.00	-.03	103.	104.	105.	103.	105.	101.	99.	100.
9 21 37	1733.	.40	518.	15.00	-.02	104.	103.	100.	103.	105.	98.	91.	94.
9 61 47	1600.	.40	519.	15.00	-.03	102.	103.	105.	104.	104.	97.	92.	95.
9 21 52	1289.	.53	517.	15.00	-.00	101.	103.	105.	99.	106.	97.	89.	91.
9 21 57	1244.	.50	499.	15.00	-.00	95.	102.	104.	99.	105.	96.	90.	91.
9 22 2	1200.	.47	488.	15.00	-.04	93.	100.	105.	105.	104.	93.	88.	84.
9 22 2	1378.	.48	478.	15.00	-.03	98.	102.	102.	104.	104.	93.	91.	90.
9 22 7	756.	.50	465.	15.00	.01	97.	103.	99.	97.	105.	93.	92.	91.
9 22 12	844.	.54	464.	15.00	.01	98.	103.	102.	99.	105.	92.	88.	90.
9 22 17	1289.	.51	455.	15.00	-.03	95.	103.	98.	101.	103.	91.	90.	93.
9 22 22	1370.	.48	457.	15.00	-.02	95.	102.	94.	98.	104.	91.	90.	91.
9 22 35	1111.	.50	454.	15.00	.02	95.	102.	102.	100.	105.	90.	80.	84.
9 22 33	1244.	.49	459.	15.00	.01	96.	102.	99.	101.	103.	89.	85.	87.
9 22 38	1378.	.51	452.	15.00	-.03	95.	101.	102.	98.	105.	89.	82.	87.
9 22 43	1111.	.56	450.	15.00	-.04	95.	101.	100.	99.	104.	91.	83.	90.
9 62 48	933.	.56	448.	15.00	-.00	92.	106.	101.	101.	106.	96.	87.	99.
9 22 53	1244.	.53	451.	15.00	-.01	95.	107.	100.	101.	106.	97.	93.	101.
9 22 58	1111.	.53	452.	15.00	.01	98.	108.	101.	101.	106.	101.	103.	105.
9 23 3	1067.	.48	450.	15.00	-.01	98.	108.	101.	102.	107.	102.	104.	106.
9 63 8	756.	.50	442.	15.00	.04	103.	110.	103.	102.	108.	105.	109.	114.
9 23 13	933.	.45	445.	15.00	.01	104.	111.	103.	101.	100.	104.	108.	110.
9 23 18	756.	.40	429.	15.00	-.01	106.	109.	110.	95.	105.	101.	101.	103.
9 23 23	933.	.42	435.	15.00	-.02	106.	100.	110.	100.	106.	102.	98.	101.
9 23 28	489.	.54	442.	15.00	0.00	106.	105.	109.	105.	106.	101.	95.	99.
9 23 33	800.	.48	439.	15.00	-.02	105.	107.	109.	100.	108.	100.	95.	99.
9 23 38	1556.	.51	448.	15.00	.04	104.	106.	108.	105.	106.	95.	92.	96.
9 23 43	1422.	.51	451.	15.00	.03	103.	105.	107.	105.	106.	96.	92.	96.
9 63 48	1111.	.48	454.	15.00	.01	102.	103.	106.	99.	105.	96.	93.	95.
9 23 53	1289.	.51	456.	15.00	.02	100.	103.	106.	102.	105.	96.	92.	95.
9 23 58	1289.	.59	449.	15.00	.00	100.	104.	103.	103.	105.	95.	88.	92.
9 24 3	1244.	.55	452.	15.00	.04	100.	104.	104.	99.	104.	95.	86.	88.

TIME H/M/S	GS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/M ELECT BAY	EC 93 PRESS DIFF R/M ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/M CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/M CABIN
03													
9 24 8	1556.	.53	439.	15.00	0.00	101.	106.	99.	98.	105.	94.	87.	86.
9 24 13	1289.	.48	436.	15.00	-.04	99.	105.	98.	101.	104.	93.	87.	87.
9 24 23	1200.	.53	453.	15.00	-.03	96.	100.	95.	104.	102.	92.	85.	88.
9 24 23	1022.	.33	439.	15.00	-.05	95.	101.	95.	104.	102.	91.	86.	99.
9 28 16	1556.	.44	365.	15.00	-.00	104.	115.	102.	100.	112.	97.	103.	110.
9 28 21	1556.	.42	363.	15.00	.00	104.	115.	105.	102.	111.	97.	98.	100.
9 28 34	1733.	.44	355.	15.00	.02	103.	115.	103.	103.	112.	96.	103.	110.
9 28 31	1333.	.40	356.	15.00	-.00	105.	115.	104.	102.	112.	97.	101.	108.
9 28 36	1556.	.41	357.	15.00	-.02	105.	114.	108.	105.	111.	95.	96.	106.
9 28 41	1556.	.30	360.	15.00	-.03	105.	115.	105.	105.	103.	95.	98.	107.
9 28 46	1378.	.34	342.	15.00	-.05	106.	117.	104.	100.	112.	97.	103.	110.
9 28 56	1289.	.37	347.	15.00	-.05	107.	117.	106.	101.	113.	97.	101.	108.
9 29 1	-667.	.32	347.	15.00	-.02	106.	116.	108.	107.	112.	97.	95.	106.
9 29 6	267.	.30	342.	15.00	-.02	105.	116.	106.	105.	112.	97.	100.	109.
9 29 11	1022.	.40	349.	15.00	-.02	106.	116.	103.	101.	112.	97.	99.	111.
9 29 16	933.	.37	351.	15.00	-.01	107.	116.	105.	102.	112.	97.	98.	108.
9 29 16	1022.	.40	350.	15.00	-.03	105.	116.	104.	105.	112.	97.	102.	112.
9 29 21	1022.	.43	344.	15.00	-.02	106.	115.	106.	103.	112.	98.	100.	109.
9 29 26	1733.	.45	360.	15.00	-.06	105.	117.	105.	106.	111.	97.	95.	112.
9 29 31	1600.	.39	361.	15.00	-.03	105.	116.	104.	106.	111.	97.	98.	112.
9 29 36	1200.	.35	345.	15.00	-.04	107.	116.	105.	99.	113.	97.	101.	110.
9 29 41	1067.	.37	347.	15.00	-.02	107.	116.	106.	103.	109.	96.	99.	109.
9 29 47	1378.	.31	344.	15.00	-.02	101.	115.	103.	103.	113.	98.	105.	114.
9 29 52	1467.	.31	348.	15.00	-.03	105.	116.	105.	102.	113.	98.	101.	111.
9 29 65	1111.	.41	350.	15.00	-.01	107.	116.	109.	107.	112.	98.	98.	108.
9 30 2	1333.	.37	357.	15.00	-.02	106.	116.	106.	105.	113.	98.	102.	107.
9 30 7	844.	.29	359.	15.00	-.04	108.	117.	109.	103.	113.	98.	99.	108.
9 30 12	1156.	.32	364.	15.00	-.02	107.	117.	107.	105.	112.	98.	100.	109.
9 30 17	1733.	.32	345.	15.00	-.05	106.	117.	104.	102.	114.	97.	105.	112.
9 30 22	1733.	.30	352.	15.00	-.05	106.	117.	106.	105.	113.	98.	102.	112.
9 30 27	1111.	.34	357.	15.00	-.03	95.	117.	106.	100.	113.	98.	105.	112.
9 30 32	1422.	.32	358.	15.00	-.03	100.	115.	105.	103.	112.	98.	105.	113.
9 30 37	1556.	.44	350.	15.00	-.03	106.	116.	108.	105.	113.	98.	98.	109.
9 30 42	1378.	.35	356.	15.00	-.01	106.	116.	106.	105.	113.	98.	103.	112.
9 30 47	756.	.32	356.	15.00	-.02	105.	117.	104.	100.	112.	99.	100.	114.
9 30 52	1067.	.31	363.	15.00	-.04	105.	118.	105.	108.	112.	98.	104.	113.
9 30 57	1200.	.41	344.	15.00	0.00	108.	117.	106.	101.	113.	98.	105.	112.
9 31 2	978.	.34	351.	15.00	-.01	108.	117.	106.	101.	113.	98.	105.	112.
9 31 7	1378.	.38	349.	15.00	.00	108.	116.	110.	106.	112.	97.	99.	110.
9 31 12	1422.	.36	356.	15.00	.02	107.	115.	106.	105.	109.	98.	103.	112.
9 31 17	1111.	.32	354.	15.00	-.03	106.	115.	108.	101.	113.	98.	103.	112.
9 31 22	1022.	.34	353.	15.00	-.05	106.	117.	106.	104.	113.	96.	105.	114.
9 71 32	1022.	.30	350.	15.00	.01	110.	117.	110.	103.	112.	98.	108.	109.
9 31 37	1467.	.34	354.	15.00	-.01	109.	117.	107.	103.	112.	98.	103.	110.
9 31 42	933.	.47	359.	15.00	-.01	109.	117.	106.	103.	112.	98.	110.	110.
9 31 47	1022.	.51	371.	15.00	-.01	105.	116.	108.	105.	113.	98.	105.	113.
9 31 52	1556.	.57	419.	15.00	-.01	106.	111.	103.	105.	111.	98.	108.	113.
9 31 57	1378.	.57	442.	15.00	-.01	105.	108.	102.	103.	110.	98.	104.	112.
9 31 57	1111.	.59	483.	15.00	.01	105.	110.	108.	108.	109.	97.	96.	100.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
9 32 2	1156.	.51	493.	15.00	.00	105.	110.	108.	105.	109.	96.	95.	99.
9 32 7	1200.	.45	520.	15.00	0.00	105.	108.	108.	103.	109.	94.	90.	96.
9 32 12	1422.	.49	521.	15.00	-.00	102.	101.	105.	102.	108.	94.	92.	95.
9 32 17	756.	.50	531.	15.00	-.03	100.	107.	102.	106.	107.	90.	90.	94.
9 32 22	978.	.54	538.	15.00	-.02	101.	106.	104.	103.	107.	91.	88.	91.
9 32 28	844.	.45	544.	15.00	-.04	98.	106.	98.	99.	106.	90.	90.	91.
9 32 33	844.	.48	547.	15.00	-.03	97.	106.	98.	101.	103.	89.	88.	91.
9 32 38	844.	.56	561.	15.00	-.03	95.	105.	100.	103.	105.	88.	85.	87.
9 32 43	1200.	.52	550.	15.00	-.03	96.	105.	101.	101.	105.	88.	81.	84.
9 72 48	1200.	.47	546.	15.00	-.04	95.	103.	98.	95.	105.	85.	83.	83.
9 32 53	1333.	.49	546.	15.00	-.04	94.	103.	97.	97.	104.	85.	84.	83.
9 32 58	1022.	.62	573.	15.00	.01	92.	101.	95.	102.	102.	85.	75.	76.
9 33 3	1244.	.58.	570.	15.00	.01	91.	101.	97.	98.	102.	85.	76.	77.
9 73 8	1467.	.47	610.	15.00	-.04	91.	101.	94.	92.	102.	84.	79.	78.
9 33 13	1289.	.52	622.	15.00	-.02	91.	101.	94.	95.	102.	83.	79.	78.
9 33 18	933.	.59	651.	15.00	0.00	89.	100.	98.	96.	100.	83.	71.	73.
9 33 23	1333.	.54	654.	15.00	-.00	89.	100.	99.	97.	100.	83.	67.	73.
9 33 28	1022.	.62	661.	15.00	-.02	90.	99.	97.	93.	101.	83.	69.	71.
9 33 33	1156.	.53	663.	15.00	-.02	89.	99.	95.	92.	101.	84.	72.	73.
9 33 38	1200.	.59	679.	15.00	-.00	88.	99.	92.	90.	101.	80.	75.	74.
9 33 43	1422.	.54	675.	15.00	-.02	87.	99.	92.	91.	100.	81.	74.	75.
9 73 48	1911.	.45	661.	15.00	-.03	86.	97.	92.	91.	100.	81.	73.	73.
9 33 53	1511.	.51	669.	15.00	-.03	84.	98.	92.	92.	99.	80.	68.	74.
9 33 58	1022.	.59	687.	15.00	-.02	86.	96.	91.	95.	98.	78.	71.	71.
9 34 8	1467.	.56	681.	15.00	-.02	85.	96.	92.	95.	98.	79.	69.	71.
9 34 13	1022.	.65	692.	15.00	.01	86.	97.	95.	93.	98.	79.	63.	68.
9 34 18	1378.	.55	677.	15.00	0.00	85.	94.	95.	91.	99.	79.	64.	68.
9 34 23	1733.	.56	675.	15.00	-.01	82.	95.	90.	90.	97.	78.	71.	73.
9 34 28	1600.	.51	680.	15.00	-.03	82.	94.	92.	91.	97.	77.	68.	70.
9 34 33	1022.	.26	632.	15.00	0.00	84.	90.	94.	88.	98.	78.	63.	67.
9 34 33	1022.	.24	585.	15.00	-.01	83.	94.	92.	90.	98.	78.	66.	71.
9 34 38	1467.	.28	505.	15.00	-.04	85.	97.	91.	86.	103.	79.	67.	71.
9 34 43	1511.	.34	491.	15.00	0.00	86.	99.	92.	87.	102.	78.	67.	71.
9 34 48	1733.	.40	439.	15.00	-.02	84.	102.	84.	88.	103.	79.	69.	73.
9 34 53	1467.	.38	440.	15.00	-.01	85.	103.	89.	87.	103.	79.	70.	74.
9 34 58	1556.	.38	419.	15.00	-.04	85.	105.	90.	88.	105.	74.	75.	78.
9 35 4	1644.	.36	400.	15.00	-.04	83.	104.	90.	88.	105.	77.	76.	78.
9 35 9	1644.	.40	376.	15.00	-.02	80.	105.	91.	92.	103.	80.	74.	78.
9 35 14	1556.	.43	377.	15.00	-.01	86.	102.	91.	91.	104.	79.	75.	78.
9 35 19	756.	.35	373.	15.00	-.01	87.	105.	90.	91.	105.	76.	77.	80.
9 35 24	978.	.32	373.	15.00	-.03	87.	106.	90.	92.	105.	79.	77.	81.
9 35 29	756.	.21	375.	15.00	-.03	90.	106.	84.	91.	106.	82.	78.	81.
9 35 34	1156.	.30	365.	15.00	-.03	90.	106.	88.	91.	105.	82.	77.	81.
9 35 39	1467.	.38	355.	15.00	-.03	89.	105.	92.	91.	106.	82.	77.	82.
9 35 44	1156.	.34	362.	15.00	-.03	91.	105.	94.	91.	106.	84.	75.	80.
9 35 49	933.	.21	370.	15.00	-.03	93.	105.	95.	92.	107.	84.	72.	78.
9 35 54	1200.	.24	364.	15.00	-.04	92.	106.	95.	93.	106.	84.	75.	80.
9 35 59	1556.	.28	363.	15.00	-.04	92.	108.	94.	95.	105.	82.	74.	83.
9 36 4	1289.	.32	363.	15.00	-.04	92.	108.	94.	93.	106.	82.	77.	84.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/M ELECT BAY	EC 93 PRESS DIFF R/M ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
9 36 9	1289.	.23	364.	15.00	-.05	95.	108.	95.	90.	107.	85.	79.	84.
9 36 14	978.	.27	366.	15.00	-.05	94.	107.	96.	90.	108.	85.	78.	83.
9 36 19	1378.	.28	350.	15.00	.00	97.	107.	97.	93.	108.	87.	75.	74.
9 36 24	1289.	.28	355.	15.00	-.01	96.	106.	99.	95.	107.	87.	74.	78.
9 36 29	756.	.28	359.	15.00	-.01	95.	105.	98.	96.	106.	85.	76.	85.
9 36 34	889.	.30	360.	15.00	-.04	95.	106.	97.	94.	107.	86.	78.	86.
9 36 44	1556.	.28	349.	15.00	-.04	98.	108.	101.	84.	108.	87.	69.	82.
9 36 49	1556.	.33	353.	15.00	-.05	96.	108.	99.	90.	107.	87.	74.	85.
9 36 54	1044.	.25	349.	15.00	-.01	97.	108.	97.	93.	109.	87.	80.	85.
9 36 59	1600.	.25	356.	15.00	.02	97.	108.	99.	96.	109.	87.	78.	85.
9 37 4	1200.	.34	369.	15.00	-.05	96.	110.	97.	95.	108.	88.	84.	90.
9 37 9	1200.	.34	368.	15.00	-.02	98.	110.	97.	92.	108.	88.	80.	87.
9 37 9	2079.	.34	365.	15.00	-.04	97.	108.	98.	99.	108.	89.	79.	90.
9 37 14	1084.	.34	359.	15.00	-.03	98.	108.	101.	97.	109.	89.	77.	88.
9 37 19	1111.	.28	345.	15.00	0.00	98.	110.	99.	101.	109.	90.	80.	91.
9 37 24	1111.	.29	351.	15.00	-.03	99.	110.	100.	97.	110.	90.	79.	91.
9 37 29	756.	.35	363.	15.00	-.00	97.	110.	100.	100.	111.	90.	78.	89.
9 77 34	978.	.29	361.	15.00	-.02	98.	110.	102.	97.	111.	90.	78.	88.
9 37 40	1111.	.40	380.	15.00	-.02	98.	110.	99.	98.	110.	91.	86.	95.
9 37 45	1556.	.34	379.	15.00	-.03	98.	111.	102.	99.	110.	91.	83.	92.
9 37 50	578.	.31	390.	15.00	-.01	101.	110.	103.	97.	110.	90.	80.	91.
9 37 55	1156.	.35	393.	15.00	-.00	102.	111.	104.	96.	111.	91.	79.	90.
9 38 0	1022.	.38	399.	15.00	-.03	101.	110.	105.	98.	110.	91.	79.	90.
9 38 5	1778.	.37	397.	15.00	-.01	101.	111.	105.	97.	111.	92.	79.	90.
9 38 10	1556.	.38	400.	15.00	-.05	100.	112.	105.	101.	110.	91.	79.	93.
9 38 15	1556.	.38	400.	15.00	-.04	101.	112.	104.	98.	112.	92.	82.	94.
9 38 20	1733.	.41	403.	15.00	-.01	102.	112.	105.	98.	112.	93.	79.	91.
9 38 25	1378.	.33	403.	15.00	-.02	102.	112.	105.	98.	111.	93.	80.	91.
9 38 30	1733.	.43	400.	15.00	-.04	99.	112.	101.	99.	110.	93.	89.	98.
9 38 35	1778.	.44	406.	15.00	-.04	100.	112.	104.	100.	110.	93.	86.	96.
9 38 40	844.	.28	399.	15.00	-.06	100.	112.	102.	99.	108.	95.	87.	98.
9 38 45	978.	.29	399.	15.00	-.05	97.	112.	104.	98.	110.	95.	87.	97.
9 38 50	1111.	.22	403.	15.00	-.02	101.	113.	105.	103.	110.	96.	84.	96.
9 38 55	1111.	.29	405.	15.00	-.04	102.	113.	104.	100.	112.	94.	87.	98.
9 39 0	1200.	.29	405.	15.00	-.04	102.	105.	107.	96.	112.	95.	82.	95.
9 39 5	1156.	.32	402.	15.00	-.05	103.	109.	106.	95.	112.	92.	83.	97.
9 39 10	1200.	.29	419.	15.00	-.08	101.	113.	106.	103.	111.	94.	85.	95.
9 39 20	1156.	.29	416.	15.00	-.02	101.	111.	105.	100.	112.	95.	87.	97.
9 39 28	1467.	.32	418.	15.00	.01	101.	114.	108.	103.	111.	98.	84.	97.
9 47 6	30816.	.31	411.	15.00	-.01	104.	115.	108.	106.	112.	96.	94.	105.
9 47 11	60576.	.31	415.	15.00	0.00	108.	117.	110.	108.	114.	101.	101.	111.
9 47 16	60170.	.36	407.	15.00	-.01	108.	115.	110.	109.	114.	101.	102.	112.
9 48 25	1733.	.29	423.	15.00	0.00	107.	116.	106.	105.	116.	101.	111.	117.
9 48 30	1778.	.34	416.	15.00	-.01	106.	116.	106.	106.	116.	101.	111.	116.
9 48 35	2395.	.38	400.	15.00	-.04	108.	116.	105.	106.	114.	101.	111.	118.
10 0 22	1797.	.32	404.	15.00	-.02	111.	117.	106.	107.	115.	102.	114.	121.
10 0 27	1911.	.50	430.	15.00	-.02	111.	115.	111.	110.	115.	103.	110.	117.
10 0 32	1289.	.51	430.	15.00	-.01	113.	114.	110.	114.	115.	103.	111.	116.
10 0 37	1289.	.48	469.	15.00	0.00	112.	111.	108.	109.	114.	101.	111.	116.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
10 3 42	1156.	.41	477.	15.00	0.00	112.	109.	107.	108.	113.	100.	110.	114.
10 0 47	844.	.50	483.	15.00	.01	112.	105.	109.	109.	112.	99.	106.	107.
10 0 52	978.	.53	491.	15.00	.00	109.	107.	108.	108.	112.	98.	106.	107.
10 0 57	1200.	.57	515.	15.00	-.00	109.	107.	106.	107.	111.	97.	100.	103.
10 1 2	1022.	.50	497.	15.00	-.00	107.	104.	104.	106.	111.	96.	101.	103.
10 1 12	1111.	.56	524.	15.00	-.02	105.	106.	100.	105.	110.	90.	99.	101.
10 1 17	933.	.53	510.	15.00	-.01	103.	105.	100.	107.	109.	91.	98.	100.
10 1 22	1022.	.45	546.	15.00	-.00	103.	105.	103.	106.	100.	91.	80.	09.
10 1 27	1022.	.45	546.	15.00	-.00	102.	102.	101.	105.	100.	91.	90.	90.
10 1 32	1556.	.70	569.	15.00	.01	101.	103.	102.	106.	106.	88.	81.	82.
10 1 32	1200.	.56	565.	15.00	-.00	98.	103.	99.	106.	105.	87.	81.	83.
10 1 42	1556.	.56	583.	15.00	.03	97.	102.	101.	106.	106.	89.	79.	82.
10 1 42	1244.	.51	575.	15.00	.01	96.	102.	101.	106.	105.	80.	78.	82.
10 1 47	1289.	.54	502.	15.00	.00	94.	101.	94.	103.	99.	84.	80.	84.
10 1 52	1200.	.54	580.	15.00	.01	94.	101.	94.	99.	102.	85.	82.	03.
10 1 57	1200.	.53	586.	15.00	-.02	97.	100.	99.	99.	100.	86.	82.	78.
10 2 2	1289.	.56	587.	15.00	-.03	97.	100.	98.	102.	101.	05.	78.	78.
10 2 7	489.	.57	580.	15.00	-.03	93.	101.	95.	97.	103.	05.	82.	81.
10 2 13	978.	.54	587.	15.00	-.01	93.	101.	97.	97.	103.	85.	78.	78.
10 2 18	1467.	.57	600.	15.00	.01	92.	100.	94.	102.	97.	03.	73.	75.
10 2 23	1200.	.57	593.	15.00	0.00	91.	100.	93.	98.	100.	83.	75.	76.
10 2 28	1378.	.41	582.	15.00	.01	88.	97.	91.	97.	101.	02.	73.	78.
10 2 33	1111.	.26	551.	15.00	-.01	88.	99.	91.	97.	102.	82.	74.	78.
10 2 38	1467.	.32	513.	15.00	.01	90.	101.	94.	90.	103.	82.	74.	79.
10 2 43	1644.	.34	501.	15.00	-.01	90.	103.	92.	95.	101.	82.	79.	82.
10 42 48	1289.	.38	465.	15.00	-.03	91.	105.	91.	93.	104.	82.	82.	74.
10 2 53	1022.	.30	458.	15.00	-.02	92.	104.	93.	94.	103.	80.	80.	77.
10 2 58	489.	.43	425.	15.00	-.03	92.	103.	95.	95.	105.	84.	78.	81.
10 3 3	1111.	.33	420.	15.00	-.01	91.	104.	91.	94.	104.	83.	81.	83.
10 43 8	1556.	.28	414.	15.00	0.00	90.	105.	91.	93.	104.	84.	85.	87.
10 3 13	1289.	.25	403.	15.00	-.01	91.	105.	91.	95.	104.	84.	85.	87.
10 3 18	1022.	.41	390.	15.00	-.04	93.	105.	92.	94.	103.	84.	86.	88.
10 3 23	933.	.37	396.	15.00	-.04	92.	105.	92.	94.	104.	84.	84.	87.
10 3 28	844.	.40	419.	15.00	.01	93.	105.	93.	98.	105.	84.	82.	90.
10 3 33	800.	.38	415.	15.00	.01	94.	105.	93.	96.	104.	79.	83.	89.
10 3 38	1467.	.22	429.	15.00	0.00	96.	106.	93.	88.	105.	86.	80.	89.
10 43 48	1111.	.29	423.	15.00	-.01	97.	106.	95.	92.	105.	87.	84.	88.
10 3 53	1644.	.26	421.	15.00	.11	95.	108.	95.	98.	105.	87.	79.	84.
10 3 58	1556.	.27	416.	15.00	.10	97.	107.	97.	98.	105.	87.	78.	85.
10 4 3	-1378.	.10	403.	15.00	-.00	100.	106.	97.	101.	100.	87.	82.	88.
10 4 0	-1644.	.11	401.	15.00	-.01	98.	100.	96.	101.	102.	89.	02.	89.
10 4 8	-1911.	.13	395.	15.00	-.02	99.	105.	90.	102.	104.	88.	83.	90.

C COMMUTATOR

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AIR REG
04													
8 57 9	123.	125.	121.	127.	121.	124.	128.	136.	126.	128.	-1.	0.	120.
8 57 14	122.	124.	121.	125.	121.	124.	128.	136.	125.	129.	-1.	-0.	125.
8 57 19	122.	123.	122.	124.	122.	122.	128.	135.	125.	130.	-1.	0.	105.
8 57 24	122.	124.	120.	124.	122.	122.	128.	135.	124.	128.	-1.	-0.	116.
8 57 29	123.	124.	121.	122.	123.	123.	132.	137.	121.	121.	3.	-0.	116.
8 57 42	124.	125.	122.	122.	123.	119.	131.	137.	121.	121.	1.	-0.	110.
8 57 39	123.	125.	123.	123.	123.	123.	132.	137.	122.	126.	1.	0.	123.
8 57 49	122.	125.	122.	123.	123.	123.	130.	138.	122.	127.	1.	0.	119.
8 57 54	121.	123.	121.	122.	121.	122.	129.	137.	125.	130.	-2.	0.	123.
8 57 59	122.	123.	122.	123.	122.	122.	129.	136.	125.	130.	-3.	-0.	122.
8 58 4	123.	122.	124.	126.	123.	122.	127.	128.	128.	127.	-1.	0.	90.
8 58 9	125.	125.	124.	126.	119.	122.	127.	129.	127.	125.	0.	0.	194.
8 58 9	125.	128.	123.	123.	121.	121.	131.	133.	123.	119.	0.	0.	132.
8 58 14	125.	126.	124.	123.	122.	121.	130.	134.	123.	119.	0.	0.	122.
8 58 19	124.	127.	122.	124.	121.	123.	130.	137.	121.	122.	0.	0.	115.
8 58 24	124.	127.	122.	123.	121.	123.	131.	137.	121.	125.	0.	0.	110.
8 58 29	125.	129.	124.	124.	122.	122.	129.	132.	121.	119.	-1.	0.	130.
8 58 34	124.	127.	123.	123.	122.	123.	130.	135.	121.	124.	0.	0.	128.
8 58 40	123.	122.	122.	125.	121.	123.	128.	128.	127.	132.	-2.	0.	127.
8 58 45	122.	119.	123.	125.	122.	123.	127.	130.	126.	131.	-1.	0.	127.
8 58 50	124.	121.	122.	124.	123.	123.	128.	133.	126.	130.	1.	0.	141.
8 58 55	123.	122.	122.	124.	123.	123.	129.	135.	125.	130.	1.	-0.	101.
8 59 0	123.	121.	121.	124.	122.	123.	128.	134.	125.	130.	-5.	0.	114.
8 59 5	123.	123.	121.	120.	122.	123.	127.	130.	126.	130.	-2.	0.	118.
8 59 10	123.	123.	122.	125.	123.	123.	127.	132.	127.	130.	-0.	-0.	110.
8 59 15	123.	122.	123.	126.	123.	123.	127.	130.	128.	129.	0.	0.	112.
8 59 20	126.	128.	116.	127.	123.	123.	128.	127.	127.	123.	-1.	0.	119.
9 10 18	125.	125.	118.	127.	124.	124.	128.	129.	128.	124.	15.	-0.	124.
9 10 23	124.	119.	118.	126.	123.	124.	130.	131.	128.	130.	33.	0.	129.
9 10 28	124.	119.	120.	126.	124.	124.	130.	133.	127.	131.	33.	-0.	136.
9 10 33	123.	119.	121.	125.	124.	122.	132.	136.	126.	130.	30.	0.	149.
9 10 38	123.	120.	121.	125.	124.	123.	132.	136.	125.	130.	31.	-0.	145.
9 10 43	122.	121.	121.	125.	123.	124.	128.	139.	122.	130.	33.	0.	158.
9 10 53	122.	121.	121.	126.	123.	123.	129.	137.	124.	129.	35.	0.	163.
9 10 58	121.	121.	123.	128.	123.	121.	130.	131.	126.	124.	36.	0.	168.
9 11 3	123.	123.	124.	127.	123.	121.	131.	131.	128.	123.	38.	0.	166.
9 11 3	125.	118.	123.	127.	123.	123.	132.	134.	125.	121.	37.	0.	175.
9 51 8	125.	120.	123.	126.	125.	123.	130.	132.	127.	124.	33.	0.	178.
9 11 13	121.	123.	125.	128.	123.	121.	130.	130.	126.	123.	21.	1.	167.
9 11 23	124.	124.	124.	124.	123.	122.	131.	131.	125.	121.	19.	1.	165.
9 11 28	125.	123.	122.	123.	122.	123.	132.	135.	124.	121.	19.	1.	178.
9 11 28	124.	124.	121.	125.	123.	124.	132.	134.	125.	121.	18.	1.	176.
9 11 33	116.	124.	122.	124.	122.	123.	133.	136.	124.	121.	18.	1.	172.
9 11 38	120.	124.	122.	124.	122.	122.	133.	136.	124.	122.	18.	1.	180.
9 11 43	124.	121.	122.	125.	123.	121.	134.	136.	118.	124.	18.	1.	203.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
9 51 48	124.	122.	122.	126.	122.	122.	133.	137.	120.	126.	20.	1.	200.
9 11 53	121.	121.	118.	125.	123.	123.	131.	137.	124.	130.	19.	1.	196.
9 51 58	122.	120.	120.	125.	123.	124.	131.	134.	126.	130.	20.	1.	198.
9 12 4	125.	121.	123.	130.	124.	123.	130.	128.	130.	125.	27.	1.	210.
9 12 9	125.	124.	123.	129.	123.	123.	131.	129.	127.	123.	28.	1.	216.
9 12 14	123.	123.	120.	125.	122.	124.	133.	139.	122.	128.	32.	2.	235.
9 12 19	123.	124.	111.	127.	123.	123.	131.	134.	125.	127.	35.	2.	235.
9 12 24	123.	125.	84.	131.	123.	121.	131.	127.	127.	123.	43.	2.	254.
9 12 29	120.	124.	77.	128.	123.	123.	133.	132.	125.	126.	44.	2.	254.
9 12 34	112.	116.	60.	127.	123.	122.	126.	129.	126.	130.	43.	2.	260.
9 12 39	111.	116.	60.	127.	123.	122.	128.	128.	127.	128.	35.	2.	264.
9 12 44	113.	117.	64.	128.	122.	121.	131.	128.	126.	122.	26.	1.	270.
9 12 49	113.	117.	62.	126.	119.	121.	132.	129.	126.	122.	26.	1.	281.
9 12 54	112.	118.	56.	127.	123.	122.	132.	129.	125.	121.	27.	1.	295.
9 12 59	110.	118.	56.	125.	123.	122.	133.	131.	124.	121.	28.	1.	299.
9 13 4	107.	116.	54.	121.	122.	122.	134.	134.	122.	127.	29.	1.	310.
9 13 9	105.	115.	52.	122.	122.	123.	134.	136.	122.	127.	28.	1.	308.
9 13 14	103.	112.	50.	123.	123.	122.	134.	132.	129.	130.	28.	1.	319.
9 13 19	103.	113.	50.	121.	122.	123.	135.	134.	126.	128.	27.	1.	320.
9 13 29	100.	115.	49.	121.	121.	121.	136.	136.	122.	127.	38.	2.	336.
9 13 34	98.	113.	46.	120.	122.	122.	134.	136.	121.	127.	40.	2.	339.
9 13 39	94.	108.	46.	116.	122.	121.	131.	133.	125.	129.	32.	1.	335.
9 13 39	94.	108.	47.	118.	122.	124.	132.	132.	125.	129.	32.	1.	331.
9 13 44	96.	113.	46.	119.	121.	122.	134.	134.	121.	125.	29.	1.	319.
9 13 49	96.	112.	45.	118.	118.	122.	135.	132.	121.	125.	27.	1.	332.
9 13 59	97.	112.	49.	119.	122.	120.	134.	133.	121.	124.	23.	1.	335.
9 14 12	99.	113.	49.	119.	121.	121.	134.	132.	122.	124.	24.	1.	334.
9 14 9	101.	114.	52.	121.	121.	120.	132.	128.	124.	121.	23.	1.	341.
9 14 9	101.	115.	52.	121.	121.	121.	131.	128.	124.	122.	23.	1.	338.
9 14 14	101.	116.	50.	121.	121.	121.	132.	128.	123.	120.	24.	1.	324.
9 14 19	100.	116.	50.	120.	121.	119.	132.	129.	123.	120.	24.	1.	324.
9 14 24	97.	115.	50.	118.	121.	121.	134.	133.	122.	127.	24.	1.	310.
9 14 29	97.	113.	49.	118.	122.	121.	133.	131.	122.	127.	23.	1.	312.
9 14 34	99.	108.	50.	119.	121.	120.	132.	130.	125.	129.	25.	1.	321.
9 14 40	99.	109.	50.	119.	122.	121.	130.	129.	125.	130.	25.	1.	321.
9 14 45	100.	111.	49.	120.	121.	121.	130.	127.	127.	129.	23.	1.	309.
9 14 50	100.	111.	49.	120.	121.	121.	129.	126.	127.	127.	24.	1.	310.
9 14 55	100.	112.	48.	120.	121.	124.	128.	124.	129.	127.	25.	1.	322.
9 15 0	99.	112.	48.	119.	121.	123.	131.	125.	127.	127.	23.	1.	317.
9 15 5	99.	114.	47.	117.	118.	120.	134.	132.	122.	126.	23.	1.	298.
9 15 10	98.	115.	47.	118.	119.	119.	134.	131.	122.	125.	24.	1.	306.
9 15 15	100.	117.	50.	116.	121.	119.	131.	128.	122.	121.	21.	1.	309.
9 15 20	100.	117.	48.	116.	121.	119.	131.	129.	121.	123.	22.	1.	312.
9 15 25	98.	112.	47.	116.	123.	121.	132.	132.	118.	128.	23.	1.	285.
9 15 30	97.	113.	46.	117.	120.	121.	132.	131.	121.	127.	22.	1.	301.
9 15 35	98.	110.	45.	119.	122.	121.	128.	124.	127.	129.	25.	1.	306.
9 15 40	97.	110.	45.	118.	121.	120.	130.	127.	126.	128.	23.	1.	303.
9 15 45	97.	105.	42.	116.	121.	121.	129.	116.	127.	136.	23.	1.	303.
9 15 50	97.	107.	44.	117.	123.	121.	131.	121.	124.	134.	22.	1.	301.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
9 15 55	97.	112.	47.	119.	121.	119.	127.	124.	125.	121.	28.	1.	311.
9 16 5	97.	113.	45.	119.	122.	119.	130.	127.	124.	125.	29.	1.	307.
9 16 10	90.	108.	40.	117.	119.	120.	126.	129.	123.	130.	31.	1.	312.
9 16 10	91.	110.	41.	119.	119.	120.	127.	126.	123.	124.	34.	1.	316.
9 16 15	80.	112.	40.	117.	119.	119.	130.	125.	123.	116.	40.	2.	316.
9 16 20	85.	109.	30.	116.	119.	119.	131.	127.	122.	121.	42.	2.	323.
9 16 25	78.	100.	32.	113.	120.	120.	131.	129.	124.	129.	48.	2.	330.
9 16 35	77.	104.	36.	115.	120.	119.	128.	124.	125.	125.	48.	2.	336.
9 16 40	73.	103.	37.	114.	119.	119.	127.	127.	123.	128.	50.	2.	344.
9 16 45	73.	105.	38.	113.	110.	119.	120.	126.	122.	125.	53.	1.	339.
9 16 45	74.	107.	38.	114.	119.	117.	127.	120.	110.	117.	52.	1.	341.
9 16 50	73.	104.	38.	113.	119.	116.	127.	119.	122.	122.	54.	1.	337.
9 16 55	71.	106.	35.	114.	118.	110.	126.	124.	121.	118.	57.	1.	345.
9 17 0	70.	104.	36.	112.	119.	118.	127.	123.	122.	122.	56.	1.	351.
9 17 5	70.	108.	37.	110.	117.	110.	129.	126.	120.	121.	55.	1.	360.
9 17 10	60.	105.	36.	110.	118.	118.	130.	126.	122.	123.	55.	1.	372.
9 17 16	67.	97.	37.	110.	119.	116.	127.	123.	124.	127.	51.	1.	381.
9 17 21	68.	101.	38.	111.	110.	119.	126.	121.	124.	122.	52.	1.	384.
9 17 26	67.	100.	37.	106.	117.	123.	128.	123.	119.	118.	55.	1.	383.
9 17 31	67.	105.	38.	110.	118.	120.	127.	121.	120.	118.	54.	1.	383.
9 17 36	63.	96.	39.	110.	118.	118.	127.	125.	122.	126.	56.	1.	378.
9 17 41	65.	99.	39.	110.	118.	117.	126.	121.	124.	123.	54.	1.	388.
9 17 46	65.	104.	37.	110.	115.	116.	127.	123.	118.	118.	56.	1.	391.
9 17 51	64.	100.	38.	109.	115.	116.	127.	123.	121.	122.	55.	1.	396.
9 17 56	67.	100.	40.	110.	117.	117.	124.	116.	123.	117.	53.	1.	396.
9 18 1	65.	101.	40.	110.	115.	116.	125.	119.	122.	117.	54.	1.	401.
9 18 6	65.	107.	42.	106.	116.	117.	127.	123.	119.	119.	57.	1.	409.
9 18 11	64.	107.	40.	106.	117.	116.	127.	125.	120.	122.	57.	1.	416.
9 18 16	62.	106.	37.	105.	116.	117.	125.	123.	123.	125.	55.	1.	399.
9 18 21	62.	108.	38.	108.	116.	116.	123.	117.	124.	124.	54.	1.	413.
9 18 26	64.	112.	40.	108.	117.	116.	122.	116.	125.	117.	56.	1.	427.
9 18 31	50.	113.	40.	100.	116.	116.	122.	116.	124.	116.	56.	1.	423.
9 18 41	68.	113.	74.	107.	116.	115.	125.	121.	119.	117.	51.	2.	416.
9 18 41	72.	112.	99.	100.	116.	115.	126.	122.	120.	123.	51.	2.	419.
9 18 46	84.	111.	147.	113.	115.	116.	125.	123.	121.	124.	52.	1.	419.
9 18 51	91.	113.	157.	115.	116.	116.	123.	119.	122.	120.	53.	1.	422.
9 18 56	103.	116.	185.	117.	114.	117.	127.	124.	119.	121.	52.	1.	429.
9 19 1	106.	114.	192.	118.	115.	116.	125.	121.	122.	124.	52.	1.	427.
9 19 11	110.	117.	120.	119.	115.	116.	125.	116.	123.	117.	56.	1.	425.
9 19 16	105.	116.	102.	116.	116.	116.	125.	118.	123.	117.	54.	1.	423.
9 19 21	94.	118.	63.	111.	115.	116.	126.	120.	123.	118.	54.	1.	437.
9 19 26	92.	108.	59.	110.	115.	115.	126.	122.	120.	119.	54.	1.	436.
9 19 26	86.	102.	50.	110.	115.	116.	125.	122.	121.	125.	55.	1.	438.
9 19 31	85.	101.	50.	112.	115.	115.	123.	117.	123.	122.	55.	1.	435.
9 19 36	85.	100.	45.	110.	114.	116.	124.	117.	121.	117.	54.	1.	419.
9 19 41	83.	101.	45.	112.	115.	116.	124.	117.	124.	122.	54.	1.	431.
9 19 46	83.	105.	42.	111.	112.	114.	123.	119.	121.	116.	56.	1.	433.
9 19 59	80.	104.	42.	110.	113.	114.	124.	120.	121.	120.	56.	1.	437.
9 19 57	76.	99.	44.	110.	113.	115.	121.	113.	125.	121.	57.	1.	437.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 5 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLO AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
9 20 2	76.	100.	43.	109.	116.	114.	121.	109.	124.	118.	57.	1.	438.
9 20 7	74.	102.	42.	108.	115.	110.	121.	114.	121.	122.	56.	2.	433.
9 20 12	75.	106.	42.	108.	115.	115.	121.	109.	121.	119.	56.	2.	437.
9 20 17	73.	111.	41.	105.	113.	115.	125.	116.	118.	117.	53.	1.	450.
9 20 22	72.	110.	40.	105.	113.	115.	125.	116.	119.	113.	55.	1.	446.
9 20 27	69.	107.	41.	105.	115.	114.	121.	114.	126.	122.	56.	2.	443.
9 20 32	70.	111.	41.	105.	114.	113.	121.	114.	123.	118.	55.	1.	442.
9 20 37	78.	111.	111.	105.	110.	114.	123.	119.	119.	121.	51.	2.	438.
9 20 42	84.	111.	129.	109.	113.	114.	121.	107.	122.	120.	51.	1.	443.
9 20 47	98.	114.	168.	115.	114.	115.	122.	119.	116.	119.	52.	1.	442.
9 20 52	102.	113.	176.	118.	115.	115.	120.	115.	120.	119.	53.	1.	447.
9 20 57	113.	115.	193.	117.	113.	115.	125.	121.	119.	121.	56.	1.	444.
9 21 2	117.	116.	206.	119.	113.	115.	123.	117.	120.	118.	56.	1.	446.
9 21 7	113.	116.	118.	117.	114.	115.	125.	124.	119.	116.	53.	1.	439.
9 21 17	106.	112.	99.	118.	114.	114.	123.	121.	122.	121.	54.	1.	445.
9 21 17	100.	108.	65.	116.	110.	114.	122.	116.	121.	117.	53.	1.	439.
9 21 22	99.	108.	62.	116.	115.	114.	123.	116.	120.	117.	53.	1.	445.
9 21 27	90.	100.	53.	120.	115.	114.	121.	115.	124.	127.	57.	1.	463.
9 21 32	91.	103.	52.	118.	114.	114.	122.	114.	120.	122.	57.	1.	460.
9 21 37	89.	103.	50.	117.	115.	114.	119.	110.	127.	121.	56.	1.	460.
9 61 47	88.	102.	49.	117.	114.	114.	121.	112.	124.	123.	52.	1.	443.
9 21 52	87.	103.	49.	119.	114.	113.	122.	108.	125.	119.	48.	1.	439.
9 21 57	87.	103.	46.	119.	114.	116.	121.	107.	124.	118.	38.	1.	445.
9 22 2	84.	97.	44.	117.	115.	115.	118.	112.	127.	125.	39.	1.	438.
9 22 2	82.	96.	38.	114.	114.	115.	121.	114.	124.	124.	39.	1.	440.
9 22 7	82.	106.	42.	117.	112.	114.	121.	111.	121.	116.	37.	1.	438.
9 22 12	81.	105.	43.	117.	113.	113.	121.	109.	123.	119.	37.	1.	433.
9 22 17	77.	106.	42.	116.	113.	114.	125.	115.	121.	124.	40.	1.	435.
9 22 22	78.	109.	42.	116.	115.	113.	122.	113.	121.	120.	39.	1.	431.
9 22 35	78.	106.	42.	117.	115.	113.	119.	107.	127.	122.	36.	1.	434.
9 22 33	75.	107.	42.	116.	114.	114.	122.	111.	125.	124.	34.	1.	433.
9 22 38	80.	110.	88.	119.	114.	112.	120.	105.	125.	119.	36.	2.	430.
9 22 43	79.	109.	108.	118.	114.	113.	121.	108.	124.	122.	35.	2.	429.
9 62 48	92.	108.	143.	118.	113.	113.	122.	114.	116.	125.	34.	2.	419.
9 22 53	96.	109.	148.	118.	114.	113.	123.	115.	118.	124.	34.	2.	420.
9 22 58	105.	111.	150.	116.	113.	114.	125.	117.	121.	124.	33.	2.	421.
9 23 3	107.	112.	159.	117.	113.	114.	124.	116.	120.	123.	34.	1.	422.
9 63 8	108.	115.	161.	119.	112.	114.	123.	115.	119.	121.	36.	2.	399.
9 23 13	107.	114.	126.	119.	112.	114.	123.	114.	120.	119.	38.	1.	408.
9 23 18	103.	112.	74.	119.	114.	112.	121.	107.	123.	116.	38.	1.	413.
9 23 23	100.	109.	69.	120.	114.	113.	120.	107.	127.	118.	39.	1.	411.
9 23 28	95.	102.	58.	119.	114.	113.	120.	108.	127.	122.	36.	1.	409.
9 23 33	94.	101.	56.	119.	114.	113.	120.	108.	127.	122.	37.	1.	412.
9 23 38	90.	100.	50.	119.	113.	112.	120.	106.	126.	121.	37.	1.	405.
9 23 43	89.	100.	50.	118.	115.	112.	119.	106.	125.	121.	36.	1.	404.
9 63 48	90.	103.	48.	118.	113.	112.	120.	106.	121.	117.	35.	1.	404.
9 23 53	87.	101.	46.	118.	113.	115.	120.	107.	124.	119.	34.	1.	406.
9 23 58	84.	99.	46.	119.	114.	112.	119.	105.	125.	119.	34.	1.	408.
9 24 3	84.	101.	47.	119.	114.	112.	119.	105.	124.	117.	35.	1.	404.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 15 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 5 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
9 24 8	84.	106.	46.	117.	112.	112.	118.	108.	121.	116.	35.	1.	419.
9 24 13	82.	104.	44.	116.	113.	112.	120.	110.	121.	119.	36.	1.	416.
9 24 23	78.	98.	42.	116.	105.	113.	123.	111.	123.	124.	33.	1.	411.
9 24 23	76.	99.	43.	115.	109.	112.	123.	109.	123.	119.	27.	1.	410.
9 28 16	95.	106.	63.	123.	114.	112.	124.	117.	119.	121.	23.	1.	339.
9 28 21	95.	108.	66.	124.	114.	112.	122.	115.	122.	121.	24.	1.	335.
9 28 34	94.	110.	68.	122.	114.	112.	125.	119.	121.	124.	24.	1.	336.
9 28 51	96.	111.	67.	123.	113.	112.	123.	116.	120.	120.	24.	1.	332.
9 28 36	95.	107.	66.	124.	115.	112.	121.	114.	125.	122.	20.	1.	327.
9 28 41	94.	107.	67.	123.	115.	112.	122.	116.	125.	125.	21.	1.	332.
9 28 46	97.	114.	70.	125.	114.	112.	122.	115.	121.	117.	22.	1.	330.
9 28 56	98.	112.	70.	125.	114.	112.	122.	113.	122.	116.	22.	1.	329.
9 29 1	95.	106.	69.	124.	115.	113.	123.	116.	125.	127.	24.	1.	335.
9 29 6	96.	109.	68.	123.	115.	113.	124.	117.	123.	125.	22.	1.	334.
9 29 11	98.	113.	69.	123.	115.	113.	125.	119.	120.	122.	22.	1.	335.
9 29 16	97.	111.	69.	124.	115.	112.	120.	115.	122.	121.	23.	1.	335.
9 29 16	95.	108.	67.	122.	114.	112.	124.	119.	121.	120.	23.	1.	330.
9 29 21	97.	109.	69.	124.	111.	113.	123.	115.	121.	123.	22.	1.	330.
9 29 26	95.	108.	67.	121.	114.	113.	123.	121.	123.	120.	21.	1.	328.
9 29 31	95.	108.	67.	122.	115.	112.	122.	119.	124.	127.	22.	1.	322.
9 29 36	98.	114.	70.	118.	113.	105.	123.	118.	120.	119.	21.	1.	325.
9 29 41	97.	110.	69.	121.	110.	109.	122.	115.	123.	121.	23.	1.	330.
9 29 47	97.	111.	67.	123.	113.	113.	125.	120.	119.	123.	22.	1.	330.
9 29 52	97.	110.	69.	124.	114.	113.	123.	116.	121.	120.	22.	1.	328.
9 29 65	96.	108.	68.	116.	115.	113.	121.	116.	125.	124.	23.	1.	335.
9 30 2	97.	110.	67.	119.	115.	113.	124.	117.	122.	123.	22.	1.	329.
9 30 7	99.	111.	71.	126.	113.	112.	121.	111.	123.	118.	21.	1.	325.
9 30 12	98.	109.	67.	125.	114.	112.	122.	115.	123.	123.	22.	1.	325.
9 30 17	99.	105.	69.	125.	114.	113.	123.	115.	122.	117.	22.	0.	331.
9 30 22	98.	106.	69.	124.	115.	114.	123.	116.	124.	122.	22.	1.	325.
9 30 27	100.	113.	71.	126.	113.	113.	123.	114.	121.	116.	22.	1.	319.
9 30 32	98.	109.	70.	123.	110.	113.	124.	117.	122.	121.	21.	1.	319.
9 30 37	98.	108.	66.	125.	116.	112.	116.	112.	127.	123.	20.	1.	330.
9 30 42	98.	110.	67.	124.	115.	112.	120.	116.	124.	122.	21.	1.	327.
9 30 47	95.	109.	67.	123.	114.	112.	125.	121.	122.	126.	22.	1.	320.
9 30 52	95.	108.	67.	123.	114.	113.	124.	120.	123.	127.	21.	1.	318.
9 30 57	100.	114.	71.	121.	113.	112.	119.	115.	122.	116.	22.	1.	321.
9 31 2	100.	114.	70.	123.	113.	112.	121.	115.	121.	116.	22.	1.	322.
9 31 7	97.	107.	67.	126.	116.	112.	123.	115.	127.	123.	22.	1.	324.
9 31 12	97.	109.	67.	124.	115.	113.	124.	117.	123.	123.	21.	1.	320.
9 31 17	101.	113.	69.	125.	116.	110.	118.	113.	123.	116.	23.	1.	322.
9 31 22	98.	111.	68.	124.	111.	112.	121.	116.	123.	122.	23.	1.	321.
9 71 32	99.	111.	70.	120.	112.	111.	121.	112.	123.	118.	22.	1.	322.
9 31 37	99.	113.	70.	120.	113.	113.	122.	114.	122.	118.	21.	1.	319.
9 31 42	101.	114.	69.	123.	115.	112.	125.	118.	123.	122.	27.	1.	316.
9 31 47	99.	111.	67.	124.	115.	112.	123.	115.	119.	121.	29.	1.	320.
9 31 52	97.	95.	58.	123.	114.	113.	126.	119.	119.	125.	36.	1.	334.
9 31 57	94.	101.	55.	122.	114.	113.	121.	120.	117.	125.	37.	2.	329.
9 31 57	88.	104.	46.	121.	110.	111.	123.	114.	124.	124.	43.	2.	342.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 5 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
9 32 2	89.	106.	46.	121.	115.	112.	122.	111.	123.	120.	42.	2.	346.
9 32 7	86.	105.	46.	122.	115.	112.	121.	108.	127.	119.	39.	2.	360.
9 32 12	84.	106.	44.	121.	114.	110.	122.	109.	123.	117.	43.	2.	362.
9 32 17	78.	99.	40.	117.	114.	111.	123.	114.	123.	127.	46.	1.	380.
9 32 22	79.	101.	41.	119.	114.	111.	121.	110.	123.	122.	44.	2.	383.
9 32 28	77.	105.	42.	116.	113.	111.	123.	112.	120.	118.	42.	2.	379.
9 32 33	74.	102.	40.	116.	113.	111.	124.	113.	118.	117.	42.	2.	384.
9 32 38	72.	98.	32.	117.	114.	108.	122.	112.	123.	121.	42.	2.	393.
9 32 43	73.	99.	37.	118.	114.	109.	120.	109.	124.	119.	43.	2.	408.
9 72 48	74.	103.	42.	118.	112.	108.	122.	107.	121.	116.	45.	2.	399.
9 32 53	72.	99.	40.	117.	112.	110.	123.	110.	123.	120.	46.	2.	406.
9 32 58	67.	97.	30.	117.	114.	110.	120.	110.	123.	120.	49.	2.	403.
9 33 3	68.	99.	38.	117.	109.	110.	119.	107.	123.	119.	57.	2.	406.
9 73 8	68.	102.	39.	117.	112.	110.	121.	110.	119.	120.	90.	1.	423.
9 33 13	67.	99.	38.	116.	113.	109.	122.	110.	119.	121.	91.	1.	424.
9 33 18	64.	95.	38.	118.	114.	110.	120.	107.	125.	123.	92.	1.	432.
9 33 23	64.	95.	38.	117.	114.	110.	119.	106.	124.	125.	92.	1.	432.
9 33 28	64.	97.	39.	117.	113.	108.	116.	103.	124.	117.	89.	1.	444.
9 33 33	64.	99.	40.	117.	112.	109.	118.	105.	121.	117.	90.	1.	447.
9 33 38	64.	101.	38.	116.	110.	108.	120.	107.	117.	116.	88.	1.	468.
9 33 43	63.	100.	38.	116.	111.	109.	121.	107.	118.	118.	88.	1.	469.
9 73 48	63.	98.	38.	115.	111.	109.	121.	106.	117.	117.	91.	1.	479.
9 33 53	62.	97.	38.	115.	111.	109.	122.	108.	119.	119.	90.	1.	478.
9 33 58	61.	94.	38.	113.	112.	108.	118.	108.	123.	126.	88.	1.	489.
9 34 8	61.	93.	39.	114.	112.	108.	118.	106.	123.	125.	88.	1.	495.
9 34 13	61.	91.	37.	117.	112.	108.	116.	103.	124.	119.	88.	1.	498.
9 34 18	62.	94.	38.	117.	111.	107.	117.	101.	122.	115.	89.	1.	505.
9 34 23	59.	97.	37.	114.	110.	107.	119.	106.	120.	121.	87.	1.	516.
9 34 28	58.	95.	37.	114.	111.	107.	117.	104.	121.	122.	89.	1.	516.
9 34 33	60.	95.	40.	116.	112.	107.	115.	98.	118.	116.	21.	1.	492.
9 34 38	59.	94.	41.	115.	110.	108.	117.	102.	118.	118.	22.	1.	496.
9 34 43	67.	99.	43.	117.	105.	107.	117.	102.	123.	118.	23.	1.	505.
9 34 48	66.	99.	44.	118.	108.	107.	116.	102.	122.	118.	22.	1.	504.
9 34 53	67.	95.	47.	119.	111.	108.	118.	105.	118.	117.	21.	1.	484.
9 34 58	68.	99.	47.	118.	111.	108.	118.	104.	119.	116.	20.	1.	479.
9 35 4	65.	106.	46.	116.	108.	108.	120.	110.	117.	119.	21.	1.	476.
9 35 9	66.	105.	48.	116.	109.	108.	120.	110.	118.	118.	18.	1.	473.
9 35 14	65.	101.	46.	117.	110.	106.	119.	112.	120.	125.	13.	1.	463.
9 35 19	67.	103.	47.	117.	110.	110.	120.	112.	119.	123.	14.	1.	455.
9 35 24	69.	106.	48.	117.	108.	109.	121.	111.	117.	121.	14.	1.	443.
9 35 29	69.	105.	48.	118.	102.	108.	119.	111.	117.	122.	15.	1.	443.
9 35 34	71.	108.	48.	117.	111.	108.	121.	111.	117.	119.	15.	1.	434.
9 35 39	71.	108.	48.	116.	111.	108.	122.	112.	118.	121.	14.	1.	430.
9 35 44	71.	106.	42.	118.	108.	108.	121.	113.	118.	121.	13.	1.	427.
9 35 49	73.	106.	48.	119.	109.	108.	121.	109.	119.	119.	14.	1.	425.
9 35 54	74.	103.	54.	120.	112.	108.	118.	109.	125.	118.	15.	1.	420.
9 35 59	74.	105.	54.	120.	111.	109.	117.	109.	122.	116.	15.	1.	427.
9 36 4	72.	104.	53.	118.	112.	108.	116.	114.	121.	126.	15.	1.	416.
	73.	106.	53.	118.	112.	108.	118.	114.	119.	123.	16.	1.	411.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
9 36 9	77.	109.	53.	121.	111.	108.	119.	108.	119.	116.	14.	1.	408.
9 36 14	77.	109.	55.	121.	111.	109.	119.	108.	119.	115.	14.	0.	400.
9 36 19	76.	106.	56.	123.	112.	108.	116.	106.	124.	119.	13.	1.	391.
9 36 24	75.	107.	55.	121.	112.	108.	118.	109.	123.	125.	14.	1.	386.
9 36 29	74.	106.	53.	119.	112.	108.	119.	114.	122.	127.	14.	1.	385.
9 36 34	76.	111.	55.	118.	112.	111.	119.	112.	121.	121.	15.	1.	389.
9 36 44	78.	112.	60.	121.	114.	108.	119.	110.	125.	116.	15.	1.	391.
9 36 49	76.	110.	59.	121.	113.	108.	121.	113.	122.	120.	15.	1.	392.
9 36 54	80.	114.	60.	121.	112.	108.	120.	109.	121.	116.	15.	1.	373.
9 36 59	79.	111.	59.	121.	112.	108.	119.	110.	122.	122.	16.	1.	374.
9 37 4	79.	112.	60.	120.	112.	108.	123.	117.	118.	122.	15.	1.	381.
9 37 9	80.	112.	61.	122.	112.	108.	121.	113.	120.	120.	14.	1.	381.
9 37 9	78.	108.	59.	119.	110.	110.	117.	116.	121.	125.	13.	1.	373.
9 37 14	79.	110.	62.	121.	112.	109.	118.	112.	123.	120.	14.	1.	368.
9 37 19	74.	108.	61.	119.	112.	110.	120.	116.	121.	127.	13.	1.	378.
9 37 24	78.	111.	62.	121.	111.	109.	120.	113.	118.	121.	14.	1.	373.
9 37 29	81.	108.	63.	121.	112.	110.	118.	112.	123.	124.	14.	1.	369.
9 77 34	82.	111.	64.	122.	112.	110.	118.	110.	121.	124.	15.	1.	367.
9 37 40	83.	113.	58.	119.	112.	110.	123.	118.	119.	124.	19.	1.	363.
9 37 45	82.	112.	61.	121.	112.	109.	121.	115.	121.	125.	21.	1.	364.
9 37 50	85.	116.	65.	123.	111.	108.	121.	110.	121.	116.	17.	1.	364.
9 37 55	85.	116.	65.	123.	112.	109.	120.	110.	122.	117.	19.	1.	361.
9 38 0	84.	110.	66.	122.	113.	108.	119.	112.	124.	122.	22.	1.	371.
9 38 5	81.	112.	66.	122.	112.	108.	118.	110.	124.	121.	21.	1.	360.
9 38 10	84.	110.	63.	123.	113.	110.	118.	112.	125.	125.	21.	1.	376.
9 38 15	85.	113.	65.	123.	113.	112.	119.	113.	123.	122.	21.	1.	368.
9 38 20	84.	112.	67.	123.	114.	109.	117.	110.	126.	121.	21.	1.	371.
9 38 25	84.	112.	66.	123.	116.	109.	117.	110.	125.	120.	22.	1.	373.
9 38 30	83.	112.	65.	116.	105.	110.	122.	119.	119.	124.	21.	1.	374.
9 38 35	83.	112.	66.	119.	108.	109.	121.	112.	121.	123.	21.	1.	376.
9 38 40	82.	112.	65.	120.	113.	110.	122.	118.	119.	123.	20.	1.	375.
9 38 45	84.	114.	67.	120.	112.	109.	121.	115.	120.	120.	20.	1.	373.
9 38 50	82.	111.	67.	123.	114.	114.	120.	115.	123.	127.	22.	1.	373.
9 38 55	84.	114.	67.	122.	113.	112.	121.	115.	122.	123.	22.	1.	369.
9 39 0	85.	107.	63.	121.	114.	110.	120.	113.	124.	124.	21.	1.	364.
9 39 5	85.	111.	67.	122.	113.	110.	121.	113.	122.	119.	21.	1.	367.
9 39 10	84.	106.	67.	122.	113.	110.	116.	115.	123.	128.	19.	1.	369.
9 39 20	85.	111.	68.	122.	113.	109.	119.	116.	121.	124.	20.	1.	369.
9 39 20	86.	110.	69.	122.	114.	110.	121.	114.	123.	127.	19.	1.	365.
9 47 6	91.	107.	72.	124.	113.	110.	122.	116.	122.	122.	20.	1.	364.
9 47 11	99.	108.	77.	127.	112.	111.	122.	114.	119.	123.	21.	1.	360.
9 47 16	99.	109.	76.	126.	111.	111.	122.	116.	119.	122.	21.	1.	361.
9 48 25	101.	119.	74.	123.	116.	110.	127.	121.	124.	127.	20.	1.	357.
9 48 30	101.	119.	74.	124.	115.	110.	127.	122.	124.	126.	20.	1.	355.
9 48 35	101.	119.	75.	125.	115.	110.	127.	123.	124.	122.	21.	1.	363.
10 0 22	103.	116.	72.	127.	115.	110.	128.	124.	124.	125.	22.	1.	356.
10 0 27	106.	95.	71.	130.	114.	112.	126.	121.	121.	119.	30.	1.	370.
10 0 32	106.	104.	66.	130.	114.	111.	127.	121.	123.	124.	33.	1.	372.
10 0 37	102.	108.	53.	128.	112.	110.	128.	119.	123.	124.	39.	1.	365.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/M CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 5 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
10 0 42	100.	108.	51.	127.	115.	110.	128.	119.	122.	125.	39.	1.	368.
10 0 47	95.	107.	48.	125.	112.	111.	128.	116.	123.	124.	39.	1.	374.
10 0 52	95.	107.	46.	124.	113.	110.	128.	117.	122.	124.	36.	1.	375.
10 0 57	91.	105.	46.	124.	113.	110.	129.	116.	121.	124.	38.	2.	390.
10 1 2	90.	105.	44.	124.	113.	111.	127.	117.	122.	122.	39.	2.	386.
10 1 12	87.	106.	42.	121.	113.	110.	129.	117.	121.	127.	38.	2.	400.
10 1 17	85.	106.	41.	121.	114.	110.	129.	119.	124.	126.	41.	2.	401.
10 1 22	82.	101.	41.	123.	112.	110.	123.	110.	123.	116.	48.	2.	404.
10 1 27	81.	103.	40.	124.	113.	109.	125.	113.	122.	119.	49.	2.	402.
10 1 32	75.	98.	39.	123.	111.	110.	124.	109.	122.	116.	47.	2.	415.
10 1 32	74.	99.	37.	122.	112.	109.	125.	112.	119.	118.	48.	2.	412.
10 1 42	79.	103.	68.	123.	112.	108.	121.	107.	122.	114.	49.	2.	428.
10 1 42	78.	101.	69.	122.	112.	107.	121.	109.	123.	116.	52.	2.	423.
10 1 47	73.	100.	42.	119.	112.	108.	125.	115.	126.	121.	58.	1.	429.
10 1 52	74.	100.	37.	120.	112.	108.	126.	114.	125.	121.	57.	1.	431.
10 1 57	72.	99.	41.	120.	111.	109.	125.	110.	121.	121.	57.	1.	430.
10 2 2	71.	96.	37.	120.	113.	108.	123.	109.	123.	119.	56.	1.	435.
10 2 7	69.	100.	39.	117.	113.	108.	127.	115.	124.	127.	58.	1.	419.
10 2 13	70.	98.	40.	119.	113.	108.	126.	111.	123.	122.	57.	1.	432.
10 2 18	66.	94.	37.	119.	112.	110.	123.	109.	127.	118.	51.	2.	444.
10 2 23	67.	97.	38.	118.	112.	108.	124.	110.	124.	121.	51.	2.	449.
10 2 28	63.	100.	35.	119.	112.	107.	123.	106.	125.	127.	46.	-1.	457.
10 2 33	64.	95.	38.	119.	112.	107.	123.	107.	125.	123.	31.	-0.	452.
10 2 38	70.	97.	42.	121.	110.	105.	121.	106.	122.	116.	17.	1.	459.
10 2 43	69.	101.	42.	121.	111.	105.	124.	111.	123.	121.	16.	1.	445.
10 42 48	72.	106.	42.	120.	112.	108.	129.	116.	124.	126.	16.	1.	430.
10 2 53	73.	103.	42.	121.	112.	107.	126.	113.	122.	123.	15.	1.	431.
10 2 58	75.	104.	45.	123.	111.	106.	125.	109.	121.	121.	17.	1.	443.
10 3 3	75.	105.	44.	121.	112.	107.	126.	112.	122.	123.	17.	1.	426.
10 43 8	76.	106.	45.	119.	112.	108.	129.	116.	123.	125.	15.	1.	425.
10 3 13	76.	105.	45.	119.	112.	107.	125.	116.	125.	124.	16.	1.	428.
10 3 18	77.	106.	46.	121.	111.	107.	127.	117.	126.	123.	23.	1.	415.
10 3 23	77.	105.	47.	121.	112.	106.	126.	116.	126.	122.	23.	1.	415.
10 3 28	78.	104.	42.	120.	112.	108.	125.	115.	126.	123.	22.	1.	405.
10 3 33	79.	107.	47.	120.	112.	108.	126.	114.	125.	125.	23.	1.	403.
10 3 38	80.	108.	51.	116.	112.	107.	126.	116.	124.	127.	21.	1.	408.
10 43 48	82.	107.	53.	118.	111.	107.	125.	113.	122.	125.	23.	1.	410.
10 3 53	82.	107.	50.	123.	113.	106.	125.	110.	125.	121.	9.	0.	395.
10 3 58	83.	101.	56.	122.	112.	100.	120.	109.	125.	121.	5.	0.	377.
10 4 3	82.	95.	58.	121.	112.	106.	124.	114.	116.	127.	-0.	0.	390.
10 4 8	82.	99.	58.	120.	111.	106.	124.	112.	122.	127.	-1.	0.	379.
10 4 8	82.	102.	63.	120.	112.	107.	125.	117.	125.	127.	-2.	0.	360.

C COMMUTATOR

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 29 PRESS STATIC DWNSTR OF PRIMRY HX	EC 24 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
8 57 9	-1.	-20.000	-34.	119.	120.	121.	121.	1.	-.04	.08	117.	-.12	121.
8 57 14	-1.	-20.000	-34.	119.	114.	121.	120.	0.	-.08	.11	116.	-.18	121.
8 57 19	-1.	-20.000	-34.	119.	139.	121.	119.	-1.	-.04	.29	117.	-.20	120.
8 57 24	-1.	-20.000	-34.	120.	152.	121.	119.	-1.	-.09	.25	119.	-.19	121.
8 57 29	-0.	-20.000	-34.	119.	151.	122.	120.	-4.	.06	.18	121.	-.25	120.
8 57 42	-1.	-20.000	-34.	119.	136.	121.	120.	-2.	.03	.22	121.	-.24	121.
8 57 39	-0.	-20.000	-34.	119.	137.	121.	120.	-1.	0.00	.20	121.	-.25	119.
8 57 49	-0.	-20.000	-34.	120.	127.	121.	118.	-2.	.07	.17	120.	-.19	120.
8 57 54	-1.	-20.000	-34.	118.	127.	119.	120.	2.	-.65	.16	121.	-.27	120.
8 57 59	-1.	-20.000	-34.	118.	132.	120.	120.	1.	-.32	.16	120.	-.17	120.
8 58 4	-1.	-20.000	-33.	119.	123.	123.	120.	2.	0.00	.23	119.	-.29	118.
8 58 9	-1.	-20.000	-34.	119.	122.	122.	120.	0.	.01	.20	120.	-.22	119.
8 58 9	-1.	-20.000	-34.	119.	112.	121.	121.	1.	-.10	.02	121.	-.33	120.
8 58 14	-1.	-20.000	-35.	119.	117.	121.	121.	0.	-.04	.15	121.	-.20	121.
8 58 19	-0.	-20.000	-34.	117.	114.	118.	120.	-0.	-.02	.14	121.	-.12	116.
8 58 24	-0.	-20.000	-34.	118.	119.	118.	120.	-1.	-.01	.20	122.	-.18	118.
8 58 29	-1.	-20.000	-34.	119.	113.	121.	121.	1.	-.16	-.16	119.	-.22	120.
8 58 34	-1.	-20.000	-34.	119.	112.	122.	119.	-0.	-.08	-.01	120.	-.23	123.
8 58 40	-1.	-20.000	-34.	120.	129.	121.	121.	0.	0.00	.10	120.	-.25	120.
8 58 45	-1.	-20.000	-34.	120.	121.	120.	120.	0.	-.08	.12	120.	-.21	120.
8 58 50	-0.	-20.000	-35.	118.	107.	121.	119.	-2.	.02	.35	119.	-.16	121.
8 58 55	-0.	-20.000	-35.	118.	112.	121.	119.	-1.	.01	.27	120.	-.18	121.
8 59 0	-1.	-20.000	-33.	120.	121.	120.	120.	-8.	.02	0.00	119.	-.20	120.
8 59 5	-1.	-20.000	-34.	120.	115.	120.	120.	-4.	-.03	.04	120.	-.15	120.
8 59 10	-2.	-20.000	-34.	119.	127.	120.	120.	-1.	-.02	.12	119.	-.14	116.
8 59 15	-1.	-20.000	-34.	119.	121.	121.	120.	-1.	-.05	.11	119.	-.14	117.
8 59 20	-1.	-20.000	-34.	120.	120.	122.	121.	2.	-.08	.14	119.	-.16	120.
9 10 18	14.	-20.000	-34.	91.	177.	117.	92.	1.	-.04	.08	118.	-.06	105.
9 10 23	32.	-20.000	-34.	67.	223.	115.	67.	-1.	-.04	0.00	116.	0.00	97.
9 10 28	32.	-20.000	-34.	69.	219.	116.	69.	-1.	-.06	0.00	116.	.02	99.
9 10 33	32.	-20.000	-34.	71.	209.	117.	63.	-1.	.10	.27	118.	-.08	102.
9 10 38	31.	-20.000	-34.	70.	211.	116.	55.	-1.	.04	.21	118.	-.04	103.
9 10 43	31.	-20.000	-34.	73.	187.	117.	59.	-1.	-.18	0.00	118.	.00	105.
9 10 53	35.	-20.000	-34.	74.	184.	117.	70.	0.	-.11	.09	117.	.07	105.
9 10 58	38.	-20.000	-34.	77.	207.	117.	71.	0.	0.00	-.04	117.	-.02	105.
9 11 3	38.	-20.000	-34.	77.	191.	117.	72.	0.	-.05	.01	119.	.01	105.
9 11 3	38.	-20.000	-33.	81.	159.	119.	76.	2.	0.00	.22	121.	.08	106.
9 11 8	33.	-20.000	-32.	68.	165.	119.	63.	25.	1.44	1.51	119.	.14	96.
9 11 13	19.	-20.000	-32.	35.	230.	116.	29.	36.	3.26	3.26	120.	0.00	67.
9 11 23	19.	-20.000	-32.	34.	238.	117.	29.	36.	3.26	3.21	120.	.02	63.
9 11 28	18.	-20.000	-32.	33.	252.	119.	31.	35.	2.83	2.54	118.	.04	55.
9 11 28	19.	-20.000	-32.	34.	244.	119.	34.	35.	2.79	2.48	119.	.02	53.
9 11 33	18.	-20.000	-32.	36.	263.	121.	37.	34.	2.64	2.13	120.	-.10	48.
9 11 38	18.	-20.000	-32.	36.	255.	122.	37.	34.	2.63	2.15	120.	-.04	47.
9 11 43	18.	-20.000	-32.	38.	261.	124.	35.	33.	2.52	2.19	119.	.10	44.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR OF SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV270-PV274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TJRBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
9 51 48	18.	-20.000	-32.	36.	281.	125.	37.	34.	2.44	2.14	128.	.10	45.
9 11 53	18.	-20.000	-32.	38.	280.	125.	36.	33.	2.17	2.05	117.	.02	44.
9 51 58	20.	-20.000	-32.	38.	276.	127.	37.	36.	2.59	2.32	118.	.03	44.
9 12 4	25.	-20.000	-32.	32.	296.	128.	42.	47.	4.30	3.21	117.	-.04	40.
9 12 9	27.	-20.000	-32.	34.	303.	128.	44.	50.	4.77	3.51	118.	-.02	40.
9 12 14	32.	-20.000	-32.	37.	329.	132.	45.	60.	6.00	4.36	118.	.02	40.
9 12 19	34.	-20.000	-32.	37.	324.	133.	47.	64.	6.55	4.57	100.	.26	39.
9 12 24	40.	-20.000	-32.	37.	354.	138.	52.	72.	8.11	4.89	63.	.37	40.
9 12 29	41.	-20.000	-32.	37.	350.	138.	52.	74.	8.04	4.94	55.	.45	39.
9 12 34	43.	-20.000	-31.	38.	403.	144.	55.	77.	8.29	5.30	42.	.59	40.
9 12 39	34.	-20.000	-31.	38.	396.	143.	51.	62.	5.98	4.15	47.	.40	39.
9 12 44	27.	-20.000	-32.	38.	385.	141.	40.	45.	3.71	3.09	53.	.06	40.
9 12 49	27.	-20.000	-31.	38.	383.	140.	41.	46.	3.79	3.26	52.	.17	40.
9 12 54	28.	-20.000	-31.	38.	388.	139.	44.	48.	4.14	3.38	49.	.16	34.
9 12 59	28.	-20.000	-31.	38.	389.	139.	42.	48.	4.04	3.42	49.	.21	36.
9 13 4	27.	-20.000	-31.	37.	359.	138.	42.	47.	3.87	3.36	48.	.41	40.
9 13 9	27.	-20.000	-31.	37.	359.	138.	43.	48.	3.91	3.42	47.	.34	40.
9 13 14	27.	-20.000	-32.	36.	364.	139.	43.	47.	3.73	3.28	44.	.23	40.
9 13 19	27.	-20.000	-32.	37.	386.	138.	43.	47.	3.89	3.29	46.	.21	40.
9 13 29	35.	-20.000	-32.	35.	371.	141.	44.	62.	5.40	4.11	46.	.53	38.
9 13 34	39.	-20.000	-32.	35.	402.	143.	48.	69.	6.49	4.69	43.	.72	38.
9 13 39	33.	-20.000	-32.	37.	438.	147.	45.	55.	4.59	3.68	44.	.23	32.
9 13 39	31.	-20.000	-31.	37.	424.	146.	44.	50.	4.29	3.48	45.	.31	36.
9 13 44	29.	-20.000	-31.	37.	419.	145.	44.	52.	4.07	3.42	47.	.33	40.
9 13 49	26.	-20.000	-31.	38.	401.	145.	40.	46.	3.56	3.04	47.	.20	40.
9 13 59	25.	-20.000	-32.	37.	388.	142.	33.	40.	2.91	2.87	47.	-.02	39.
9 14 12	24.	-20.000	-31.	37.	378.	142.	34.	41.	2.93	2.85	47.	.11	36.
9 14 9	24.	-20.000	-32.	37.	373.	143.	34.	40.	3.07	2.56	47.	.06	38.
9 14 9	24.	-20.000	-32.	37.	365.	143.	34.	40.	3.03	2.89	46.	.06	40.
9 14 14	23.	-20.000	-32.	36.	350.	145.	35.	41.	3.09	2.85	46.	.22	37.
9 14 19	23.	-20.000	-31.	38.	358.	144.	34.	42.	3.15	2.94	45.	.24	38.
9 14 24	24.	-20.000	-31.	37.	353.	144.	33.	45.	3.32	3.03	47.	.20	39.
9 14 29	24.	-20.000	-32.	37.	356.	144.	33.	44.	3.32	3.09	46.	.14	39.
9 14 34	24.	-20.000	-31.	38.	353.	144.	31.	42.	3.19	3.05	44.	.12	39.
9 14 40	23.	-20.000	-32.	38.	338.	145.	32.	42.	3.18	3.01	45.	.20	39.
9 14 45	23.	-20.000	-31.	39.	342.	145.	35.	45.	3.30	3.15	43.	.18	38.
9 14 50	23.	-20.000	-31.	39.	342.	145.	36.	45.	3.23	2.84	40.	.18	38.
9 14 55	23.	-20.000	-32.	39.	324.	147.	35.	42.	3.19	2.74	43.	.24	32.
9 15 0	23.	-20.000	-32.	38.	338.	146.	35.	43.	3.28	2.89	44.	.19	35.
9 15 5	23.	-20.000	-32.	38.	327.	147.	33.	43.	3.26	2.82	44.	.02	38.
9 15 10	23.	-20.000	-32.	38.	328.	146.	32.	43.	3.27	2.87	44.	.04	39.
9 15 15	24.	-20.000	-32.	38.	341.	146.	33.	44.	3.36	3.11	43.	.12	37.
9 15 20	24.	-20.000	-31.	38.	337.	146.	33.	44.	3.35	3.18	43.	.13	38.
9 15 25	23.	-20.000	-32.	42.	327.	147.	36.	43.	3.26	2.97	42.	.12	39.
9 15 30	23.	-20.000	-32.	40.	326.	147.	35.	43.	3.29	2.99	42.	.09	39.
9 15 35	23.	-20.000	-31.	37.	329.	149.	35.	45.	3.28	3.05	41.	.23	38.
9 15 40	23.	-20.000	-32.	38.	324.	149.	33.	42.	3.14	2.90	41.	.13	38.
9 15 45	23.	-20.000	-31.	36.	329.	149.	33.	42.	3.05	2.95	43.	-.02	39.
9 15 50	22.	-20.000	-32.	36.	324.	149.	32.	42.	2.96	2.83	43.	.02	39.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR OF SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
9 15 55	28.	-20.000	-31.	36.	337.	150.	37.	52.	4.28	3.68	41.	.31	38.
9 16 5	30.	-20.000	-31.	37.	351.	149.	42.	56.	4.48	3.85	42.	.41	38.
9 16 10	34.	-20.000	-32.	37.	357.	152.	45.	64.	5.92	4.38	38.	.47	38.
9 16 10	36.	-20.000	-32.	37.	362.	153.	47.	66.	6.26	4.52	38.	.57	40.
9 16 15	41.	-20.000	-32.	39.	368.	158.	51.	75.	7.35	4.91	37.	.63	37.
9 16 20	42.	-20.000	-31.	38.	391.	160.	54.	78.	7.78	5.30	37.	.74	37.
9 16 25	46.	-20.000	-31.	38.	423.	167.	50.	83.	8.66	6.00	32.	1.09	38.
9 16 35	47.	-20.000	-31.	39.	425.	169.	50.	86.	8.96	6.17	34.	1.09	38.
9 16 40	49.	-20.000	-31.	37.	450.	176.	49.	87.	8.97	6.20	38.	.94	38.
9 16 45	49.	-20.000	-31.	37.	456.	175.	48.	83.	8.07	5.57	38.	.83	38.
9 16 45	49.	-20.000	-32.	39.	443.	170.	48.	72.	6.43	4.46	37.	.45	38.
9 16 50	48.	-20.000	-32.	38.	447.	170.	46.	70.	6.01	4.28	37.	.56	38.
9 16 55	48.	-20.000	-31.	39.	460.	172.	41.	75.	6.39	4.46	36.	.62	33.
9 17 0	48.	-20.000	-31.	37.	456.	172.	43.	73.	6.20	4.32	37.	.64	36.
9 17 5	48.	-20.000	-31.	39.	458.	176.	42.	75.	6.57	4.59	38.	.78	38.
9 17 10	48.	-20.000	-31.	38.	471.	174.	43.	75.	6.53	4.62	39.	.73	38.
9 17 16	49.	-20.000	-31.	37.	457.	178.	40.	75.	6.39	4.59	39.	.63	39.
9 17 21	48.	-20.000	-31.	37.	459.	179.	41.	75.	6.49	4.67	38.	.62	39.
9 17 26	48.	-20.000	-31.	39.	492.	181.	42.	76.	6.41	4.46	37.	.78	37.
9 17 31	48.	-20.000	-31.	39.	466.	180.	45.	75.	6.38	4.45	36.	.70	37.
9 17 36	48.	-20.000	-31.	38.	484.	182.	40.	64.	6.26	4.58	39.	.66	38.
9 17 41	48.	-20.000	-31.	38.	480.	184.	40.	70.	6.35	4.47	38.	.65	38.
9 17 46	48.	-20.000	-31.	39.	494.	185.	42.	77.	6.33	4.52	38.	.74	38.
9 17 51	48.	-20.000	-31.	38.	484.	186.	40.	77.	6.30	4.52	38.	.68	38.
9 17 56	48.	-20.000	-31.	36.	472.	187.	40.	78.	6.39	4.57	37.	.66	38.
9 18 1	48.	-20.000	-31.	37.	483.	185.	43.	77.	6.31	4.57	37.	.66	38.
9 18 6	47.	-20.000	-31.	39.	488.	190.	42.	76.	5.83	4.36	44.	.63	37.
9 18 11	47.	-20.000	-31.	37.	454.	189.	45.	74.	6.04	4.49	42.	.71	38.
9 18 16	48.	-20.000	-31.	39.	486.	193.	43.	79.	6.18	4.61	38.	.76	38.
9 18 21	48.	-20.000	-31.	38.	480.	193.	44.	77.	6.04	4.57	37.	.78	38.
9 18 26	48.	-20.000	-31.	38.	488.	194.	40.	79.	5.83	4.54	36.	.84	38.
9 18 31	48.	-20.000	-31.	37.	485.	195.	42.	79.	5.91	4.49	39.	.78	38.
9 18 41	48.	-20.000	-32.	38.	505.	196.	37.	69.	5.35	4.59	112.	.92	37.
9 18 41	48.	-20.000	-32.	39.	505.	196.	40.	66.	5.15	4.39	132.	.87	38.
9 18 46	48.	-20.000	-32.	39.	497.	196.	41.	62.	4.32	3.93	172.	.70	37.
9 18 51	49.	-20.000	-31.	38.	497.	196.	37.	61.	4.12	3.79	181.	.72	38.
9 18 56	49.	-20.000	-32.	37.	471.	194.	37.	58.	3.48	3.34	205.	.65	38.
9 19 1	49.	-20.000	-32.	37.	455.	193.	36.	51.	3.31	3.25	210.	.59	39.
9 19 11	48.	-20.000	-31.	33.	453.	193.	36.	77.	5.73	4.71	98.	.66	37.
9 19 16	48.	-20.000	-31.	33.	471.	196.	41.	82.	6.37	5.15	70.	.73	36.
9 19 21	49.	-20.000	-31.	39.	474.	201.	42.	77.	5.69	4.44	43.	.61	36.
9 19 26	48.	-20.000	-32.	38.	493.	202.	41.	77.	5.62	4.41	42.	.57	37.
9 19 26	49.	-20.000	-31.	38.	477.	204.	40.	72.	4.99	4.13	42.	.63	37.
9 19 31	49.	-20.000	-31.	39.	476.	204.	38.	73.	5.03	4.16	48.	.63	38.
9 19 36	49.	-20.000	-32.	39.	479.	204.	42.	71.	5.14	4.13	40.	.45	35.
9 19 41	48.	-20.000	-31.	36.	483.	205.	42.	71.	5.10	4.17	40.	.50	37.
9 19 46	48.	-20.000	-31.	37.	489.	205.	45.	76.	5.06	3.73	38.	.76	37.
9 19 59	48.	-20.000	-31.	37.	476.	205.	45.	76.	5.07	3.99	39.	.70	37.
9 19 57	48.	-20.000	-31.	39.	493.	209.	41.	78.	5.28	4.43	37.	.76	38.

TIME M/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV270-PV274	EC 29 PRESS STATIC DWNSTR OF PRIMRY HX	EC 24 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AIR FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
9 20 2	48.	-20.000	-31.	38.	484.	210.	40.	78.	5.34	4.42	37.	.76	38.
9 20 7	48.	-20.000	-31.	37.	489.	211.	44.	81.	5.61	4.89	37.	.82	32.
9 20 12	48.	-20.000	-31.	36.	488.	210.	45.	81.	5.61	4.66	37.	.80	35.
9 20 17	48.	-20.000	-31.	39.	506.	215.	43.	79.	5.38	4.50	37.	.63	37.
9 20 22	48.	-20.000	-31.	37.	503.	215.	46.	80.	5.36	4.43	38.	.65	38.
9 20 27	48.	-20.000	-31.	35.	488.	217.	47.	81.	5.32	4.50	38.	.76	39.
9 20 32	48.	-20.000	-31.	35.	500.	217.	47.	80.	5.22	4.42	37.	.69	38.
9 20 37	48.	-20.000	-32.	37.	522.	216.	43.	78.	5.04	4.52	141.	.88	40.
9 20 42	48.	-20.000	-32.	39.	511.	217.	40.	68.	4.81	4.29	156.	.80	40.
9 20 47	48.	-20.000	-32.	40.	501.	219.	42.	60.	4.07	3.68	190.	.57	40.
9 20 52	48.	-20.000	-32.	45.	485.	219.	41.	59.	3.92	3.57	195.	.65	40.
9 20 57	48.	-20.000	-31.	42.	472.	217.	46.	55.	3.60	3.42	216.	.78	42.
9 21 2	48.	-20.000	-31.	44.	468.	218.	44.	54.	3.55	3.34	221.	.66	42.
9 21 7	48.	-20.000	-31.	35.	493.	217.	39.	81.	5.34	4.83	90.	.49	41.
9 21 17	48.	-20.000	-31.	34.	498.	218.	38.	82.	5.65	4.99	70.	.04	40.
9 21 17	48.	-20.000	-31.	38.	513.	220.	44.	78.	5.02	4.22	44.	.57	38.
9 21 22	48.	-20.000	-31.	38.	506.	221.	40.	77.	4.99	4.24	42.	.51	38.
9 21 27	49.	-20.000	-31.	35.	496.	221.	39.	74.	4.52	4.01	42.	.47	39.
9 21 32	49.	-20.000	-31.	38.	496.	222.	39.	73.	4.50	3.94	42.	.51	39.
9 21 37	48.	-20.000	-31.	39.	491.	220.	39.	71.	4.34	3.79	40.	.47	39.
9 61 47	47.	-20.000	-31.	39.	488.	222.	39.	71.	4.36	3.80	39.	.43	39.
9 21 52	39.	-20.000	-31.	39.	507.	223.	31.	70.	4.38	3.75	40.	.55	38.
9 21 57	38.	-20.000	-31.	36.	493.	223.	32.	70.	4.38	3.79	40.	.42	39.
9 22 2	37.	-20.000	-31.	35.	496.	219.	41.	69.	4.22	3.71	40.	.37	40.
9 22 2	37.	-20.000	-31.	37.	483.	219.	41.	78.	4.31	3.80	41.	.47	40.
9 22 7	37.	-20.000	-33.	32.	483.	221.	39.	65.	4.26	3.83	39.	.49	39.
9 22 12	37.	-20.000	-32.	35.	486.	221.	39.	65.	4.28	3.78	38.	.39	39.
9 22 17	37.	-20.000	-31.	36.	488.	219.	43.	59.	4.44	4.03	41.	.47	38.
9 22 22	37.	-20.000	-31.	39.	465.	220.	41.	65.	4.36	3.96	40.	.46	36.
9 22 35	37.	-20.000	-32.	37.	475.	219.	38.	69.	4.38	3.75	39.	.29	39.
9 22 33	36.	-20.000	-32.	38.	479.	219.	38.	69.	4.28	3.69	39.	.34	39.
9 22 38	35.	-20.000	-31.	40.	457.	221.	35.	65.	4.40	3.81	114.	.64	39.
9 22 43	35.	-20.000	-31.	40.	457.	221.	35.	64.	4.38	3.79	133.	.72	40.
9 62 48	35.	-20.000	-32.	40.	455.	219.	39.	59.	4.36	3.77	165.	.63	39.
9 22 53	35.	-20.000	-32.	40.	455.	219.	42.	63.	4.31	3.78	166.	.66	39.
9 22 58	35.	-20.000	-32.	39.	463.	217.	44.	64.	4.26	3.58	169.	.66	39.
9 23 3	35.	-20.000	-32.	39.	443.	219.	41.	65.	4.30	3.66	170.	.71	38.
9 63 8	36.	-20.000	-31.	37.	434.	221.	39.	69.	4.20	3.83	161.	.74	38.
9 23 13	36.	-20.000	-31.	39.	442.	221.	36.	71.	4.33	3.90	112.	.69	38.
9 23 18	37.	-20.000	-31.	35.	444.	219.	39.	70.	4.46	4.01	50.	.43	38.
9 23 23	37.	-20.000	-31.	37.	445.	219.	37.	71.	4.45	4.02	47.	.52	38.
9 23 28	36.	-20.000	-32.	37.	464.	219.	38.	70.	4.38	3.97	42.	.37	38.
9 23 33	36.	-20.000	-32.	37.	457.	219.	38.	70.	4.57	4.03	41.	.45	38.
9 23 38	36.	-20.000	-31.	38.	454.	219.	37.	69.	4.36	3.83	40.	.43	32.
9 23 43	36.	-20.000	-32.	38.	452.	219.	37.	69.	4.35	3.81	39.	.42	35.
9 63 48	37.	-20.000	-32	35.	473.	219.	37.	69.	4.44	3.81	39.	.51	38.
9 23 53	36.	-20.000	-32.	37.	463.	219.	39.	70.	4.38	3.84	39.	.40	38.
9 23 58	36.	-20.000	-31.	38.	472.	220.	36.	69.	4.40	3.79	37.	.33	38.
9 24 3	36.	-20.000	-32.	36.	453.	220.	37.	69.	4.68	4.07	38.	1.05	41.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR OF AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV270-PV274	EC 33 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
9 24 8	36.	-20.000	-31.	35.	460.	219.	38.	69.	4.30	3.83	39.	.37	38.
9 24 13	36.	-20.000	-31.	36.	458.	219.	39.	71.	4.42	3.99	40.	.39	38.
9 24 23	37.	-20.000	-31.	38.	454.	220.	35.	71.	4.38	3.93	40.	.45	39.
9 24 23	29.	-20.000	-31.	43.	442.	218.	42.	57.	3.38	3.22	41.	.22	41.
9 28 16	22.	-20.000	-31.	51.	357.	217.	51.	43.	2.76	2.78	66.	.12	52.
9 28 21	23.	-20.000	-31.	52.	362.	217.	50.	43.	2.75	2.79	65.	.17	52.
9 28 34	22.	-20.000	-31.	51.	351.	215.	55.	47.	2.82	2.87	67.	.16	48.
9 28 31	22.	-20.000	-32.	52.	365.	216.	54.	46.	2.76	2.82	66.	.15	49.
9 28 36	21.	-20.000	-32.	51.	355.	210.	49.	42.	2.78	2.64	65.	0.00	52.
9 28 41	22.	-20.000	-32.	51.	359.	217.	50.	44.	2.74	2.64	65.	-.03	53.
9 28 46	22.	-20.000	-32.	52.	344.	217.	51.	43.	2.70	2.70	66.	.25	48.
9 28 56	22.	-20.000	-32.	51.	345.	217.	53.	44.	2.68	2.75	66.	.15	50.
9 29 1	22.	-20.000	-31.	51.	346.	215.	53.	44.	2.72	2.74	66.	.20	53.
9 29 6	22.	-20.000	-32.	51.	345.	217.	54.	41.	2.64	2.51	66.	.10	53.
9 29 11	20.	-20.000	-31.	51.	349.	218.	53.	44.	2.74	2.82	67.	.12	53.
9 29 16	21.	-20.000	-32.	53.	346.	217.	52.	44.	2.74	2.78	66.	.13	53.
9 29 16	21.	-20.000	-31.	51.	345.	218.	50.	43.	2.78	2.82	66.	.06	52.
9 29 21	21.	-20.000	-31.	51.	354.	218.	52.	44.	2.71	2.81	66.	.03	53.
9 29 26	22.	-20.000	-32.	51.	353.	216.	54.	45.	2.48	2.80	65.	.04	51.
9 29 31	22.	-20.000	-31.	51.	365.	217.	53.	45.	2.61	2.82	66.	.09	52.
9 29 36	22.	-20.000	-32.	52.	337.	216.	56.	43.	2.62	2.74	58.	0.00	52.
9 29 41	22.	-20.000	-31.	52.	350.	216.	53.	44.	2.70	2.78	61.	.10	52.
9 29 47	22.	-20.000	-32.	49.	340.	217.	50.	43.	2.74	2.62	67.	.04	53.
9 29 52	22.	-20.000	-32.	53.	346.	217.	51.	44.	2.69	2.66	66.	.02	53.
9 29 65	22.	-20.000	-32.	52.	360.	216.	52.	44.	2.74	2.74	65.	.20	53.
9 30 2	22.	-20.000	-32.	52.	355.	217.	53.	40.	2.01	2.76	66.	.12	52.
9 30 7	22.	-20.000	-31.	51.	370.	219.	54.	45.	2.64	2.37	65.	.04	52.
9 30 12	22.	-20.000	-31.	51.	368.	218.	53.	44.	2.73	2.61	65.	.08	52.
9 33 17	21.	-20.000	-32.	51.	344.	217.	51.	43.	2.58	2.60	66.	-.06	51.
9 30 22	21.	-20.000	-32.	50.	347.	217.	51.	44.	2.61	2.65	66.	-.03	52.
9 30 27	22.	-20.000	-31.	52.	375.	216.	53.	47.	2.80	2.74	65.	.12	52.
9 30 32	22.	-20.000	-32.	51.	357.	216.	52.	45.	2.72	2.71	66.	-.03	52.
9 30 37	21.	-20.000	-32.	51.	342.	217.	48.	43.	2.64	2.60	64.	.04	50.
9 30 42	22.	-20.000	-32.	51.	351.	217.	51.	44.	2.73	2.74	65.	.01	52.
9 30 47	22.	-20.000	-31.	48.	374.	215.	52.	46.	2.80	2.80	66.	.12	52.
9 30 52	22.	-20.000	-32.	49.	365.	217.	51.	45.	2.74	2.77	66.	.09	51.
9 30 57	22.	-20.000	-32.	52.	337.	217.	53.	44.	2.66	2.74	65.	.20	50.
9 31 2	22.	-20.000	-32.	51.	348.	217.	52.	44.	2.68	2.76	65.	.11	51.
9 31 7	22.	-20.000	-32.	51.	342.	217.	48.	43.	2.64	2.68	65.	.12	48.
9 31 12	22.	-20.000	-32.	51.	347.	218.	49.	43.	2.63	2.66	66.	.05	50.
9 31 17	22.	-20.000	-31.	52.	359.	216.	54.	46.	2.78	2.82	65.	.12	52.
9 31 22	22.	-20.000	-31.	51.	351.	216.	52.	46.	2.77	2.82	66.	.16	52.
9 71 32	21.	-20.000	-32.	50.	337.	219.	52.	42.	2.62	2.64	64.	.04	52.
9 31 37	21.	-20.000	-32.	51.	347.	218.	51.	43.	2.62	2.65	65.	.04	52.
9 31 42	26.	-20.000	-31.	48.	358.	220.	48.	53.	3.28	3.19	64.	.31	52.
9 31 47	27.	-20.000	-32.	45.	355.	220.	44.	56.	3.44	3.27	60.	.35	50.
9 31 52	35.	-20.000	-31.	39.	378.	219.	37.	70.	4.44	4.14	53.	.01	44.
9 31 57	37.	-20.000	-32.	37.	392.	217.	36.	75.	4.82	4.36	48.	.62	46.
9 31 57	40.	-20.000	-31.	33.	400.	216.	37.	80.	5.43	4.52	40.	.78	39.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV270-PV274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLTUBE	EC 33 PRESS MAIN CABIN AIR FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
9 32 2	41.	-20.000	-31.	35.	421.	219.	38.	80.	5.52	4.64	39.	.73	39.
9 32 7	41.	-20.000	-32.	37.	454.	221.	39.	79.	5.45	4.52	39.	.45	40.
9 32 12	41.	-20.000	-31.	37.	457.	221.	40.	80.	5.48	4.53	39.	.61	41.
9 32 17	42.	-20.000	-31.	37.	483.	222.	40.	80.	5.47	4.67	39.	.72	39.
9 32 22	42.	-20.000	-31.	37.	482.	222.	41.	79.	5.32	4.60	38.	.67	39.
9 32 28	42.	-20.000	-31.	37.	503.	223.	37.	80.	5.34	4.57	40.	.61	39.
9 32 33	42.	-20.000	-32.	38.	513.	222.	38.	80.	5.25	4.50	40.	.55	39.
9 32 38	43.	-20.000	-31.	36.	505.	222.	40.	77.	5.18	4.42	40.	.59	40.
9 32 43	43.	-20.000	-31.	37.	505.	223.	39.	79.	5.31	4.60	38.	.69	39.
9 72 48	45.	-20.000	-31.	38.	510.	221.	38.	84.	5.53	4.81	37.	.72	37.
9 32 53	45.	-20.000	-31.	37.	507.	221.	41.	84.	5.69	4.93	38.	.78	36.
9 32 58	47.	-20.000	-31.	37.	545.	223.	40.	90.	6.39	5.14	39.	.72	39.
9 33 3	48.	-20.000	-31.	37.	534.	222.	42.	86.	6.01	4.79	37.	.71	39.
9 73 8	50.	-20.000	-31.	38.	527.	223.	44.	79.	5.12	4.52	39.	.58	39.
9 33 13	49.	-20.000	-31.	38.	526.	221.	42.	79.	5.09	4.25	39.	.69	39.
9 33 18	49.	-20.000	-31.	37.	525.	221.	39.	78.	5.00	4.42	38.	.76	39.
9 33 23	49.	-20.000	-31.	37.	525.	222.	40.	79.	5.07	4.50	38.	.76	39.
9 33 28	50.	-20.000	-31.	37.	558.	222.	40.	79.	5.20	4.36	36.	.81	35.
9 33 33	50.	-20.000	-31.	37.	554.	223.	41.	80.	5.24	4.49	34.	.66	37.
9 33 38	49.	-20.000	-32.	37.	578.	224.	44.	76.	5.04	4.42	39.	.66	37.
9 33 43	49.	-20.000	-31.	37.	568.	224.	45.	78.	5.24	4.63	39.	.69	38.
9 73 48	49.	-20.000	-30.	39.	554.	224.	42.	83.	5.24	4.61	39.	.74	38.
9 33 53	49.	-20.000	-31.	38.	558.	222.	42.	82.	5.19	4.39	39.	.66	38.
9 33 58	49.	-20.000	-31.	37.	598.	221.	42.	78.	5.14	4.50	38.	.74	37.
9 34 8	49.	-20.000	-31.	37.	582.	222.	41.	80.	5.23	4.59	38.	.68	41.
9 34 13	49.	-20.000	-32.	37.	604.	219.	40.	78.	5.22	4.48	36.	.63	38.
9 34 18	49.	-20.000	-31.	37.	592.	221.	41.	80.	5.23	4.59	37.	.65	38.
9 34 23	50.	-20.000	-31.	37.	600.	223.	40.	80.	5.14	4.54	39.	.49	39.
9 34 28	49.	-20.000	-31.	37.	587.	224.	40.	81.	5.19	4.59	38.	.63	39.
9 34 33	23.	-20.000	-31.	48.	572.	221.	46.	38.	1.90	1.96	48.	-.10	40.
9 34 38	22.	-20.000	-31.	51.	552.	220.	53.	37.	1.98	2.00	43.	0.00	44.
9 34 43	22.	-20.000	-31.	56.	494.	221.	54.	40.	2.25	2.25	46.	.12	50.
9 34 48	22.	-20.000	-31.	56.	491.	220.	55.	39.	2.23	2.28	44.	.05	50.
9 34 53	23.	-20.000	-31.	56.	449.	219.	57.	43.	2.35	2.46	49.	.06	49.
9 34 58	22.	-20.000	-32.	55.	444.	218.	56.	41.	2.27	2.39	49.	.05	51.
9 35 4	23.	-20.000	-31.	52.	420.	220.	54.	42.	2.42	2.50	53.	.04	53.
9 35 9	19.	-20.000	-31.	56.	419.	219.	54.	37.	1.99	2.11	53.	.02	54.
9 35 14	16.	-20.000	-32.	63.	408.	217.	58.	30.	1.39	1.39	54.	-.06	53.
9 35 19	16.	-20.000	-32.	64.	401.	217.	70.	24.	1.31	1.32	54.	-.03	56.
9 35 24	15.	-20.000	-32.	68.	394.	217.	69.	29.	1.21	1.33	56.	0.00	59.
9 35 29	15.	-20.000	-32.	67.	382.	213.	68.	30.	1.25	1.35	56.	.07	59.
9 35 34	15.	-20.000	-31.	68.	355.	217.	71.	31.	1.13	1.23	56.	.10	59.
9 35 39	15.	-20.000	-31.	67.	349.	217.	68.	32.	1.24	1.34	59.	.08	60.
9 35 44	16.	-20.000	-32.	69.	337.	216.	65.	32.	1.27	1.39	58.	0.00	63.
9 35 49	16.	-20.000	-32.	68.	336.	217.	65.	33.	1.30	1.32	58.	.04	62.
9 35 54	15.	-20.000	-32.	66.	357.	218.	61.	31.	1.13	1.17	57.	-.02	61.
9 35 59	15.	-20.000	-32.	66.	359.	217.	63.	27.	1.11	1.15	57.	.01	61.
9 36 4	15.	-20.000	-31.	64.	352.	217.	63.	18.	1.11	1.17	59.	.06	62.
	15.	-20.000	-31.	65.	342.	217.	66.	26.	1.16	1.24	60.	.10	62.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TJRBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 50 PRESS UPSTRM OF WATER SEP	EC 52 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 53 PRESS MAIN CABIN AT FLOW TUBE	EC 55 TEMP AIR FWD EQUIP BAY VENTJR
05													
9 36 9	15.	-20.000	-31.	65.	351.	217.	64.	27.	1.21	1.17	58.	.08	63.
9 36 14	15.	-20.000	-31.	65.	339.	215.	64.	30.	1.21	1.22	60.	.08	63.
9 36 19	15.	-20.000	-32.	58.	322.	217.	57.	32.	1.25	1.23	61.	0.00	65.
9 36 24	15.	-20.000	-32.	62.	328.	217.	66.	32.	1.20	1.24	61.	.09	64.
9 36 29	15.	-20.000	-31.	64.	320.	216.	66.	31.	1.08	1.33	64.	.06	65.
9 36 34	15.	-20.000	-31.	65.	326.	216.	65.	32.	1.09	1.30	64.	.03	64.
9 36 44	15.	-20.000	-32.	65.	339.	214.	65.	31.	1.11	1.08	65.	.08	64.
9 36 49	15.	-20.000	-32.	62.	331.	214.	53.	32.	1.16	1.18	66.	.04	64.
9 36 54	14.	-20.000	-32.	67.	344.	198.	63.	30.	1.02	1.09	67.	.06	64.
9 36 59	14.	-20.000	-32.	66.	339.	206.	53.	30.	1.05	1.13	68.	.09	64.
9 37 4	15.	-20.000	-31.	64.	330.	215.	61.	33.	1.13	1.23	71.	.06	65.
9 37 9	15.	-20.000	-31.	66.	319.	216.	54.	33.	1.17	1.25	70.	-.02	64.
9 37 9	15.	-20.000	-32.	61.	311.	213.	66.	33.	1.19	1.15	71.	-.06	69.
9 37 14	15.	-20.000	-32.	62.	317.	213.	65.	33.	1.21	1.24	71.	-.01	66.
9 37 19	16.	-20.000	-32.	63.	301.	213.	64.	31.	1.23	.88	72.	-.04	59.
9 37 24	15.	-20.000	-32.	64.	310.	216.	63.	31.	1.14	1.06	73.	-.01	61.
9 37 29	16.	-20.000	-31.	65.	325.	210.	60.	33.	1.23	1.37	72.	0.00	64.
9 37 34	16.	-20.000	-31.	64.	322.	211.	60.	34.	1.32	1.43	73.	.06	64.
9 37 40	22.	-20.000	-31.	50.	330.	213.	47.	47.	2.13	2.21	76.	0.00	59.
9 37 45	21.	-20.000	-31.	50.	349.	213.	46.	45.	2.06	2.14	76.	.06	57.
9 37 50	22.	-20.000	-33.	49.	334.	212.	45.	44.	2.31	2.27	77.	-.02	53.
9 37 55	22.	-20.000	-33.	49.	349.	213.	48.	44.	2.25	2.29	78.	.05	53.
9 38 0	21.	-20.000	-32.	48.	375.	215.	48.	44.	2.07	2.19	83.	.08	53.
9 38 5	21.	-20.000	-32.	48.	379.	215.	45.	43.	2.13	2.23	81.	.11	50.
9 38 10	21.	-20.000	-31.	42.	371.	215.	46.	44.	2.07	2.21	80.	.12	53.
9 38 15	21.	-20.000	-31.	46.	378.	216.	47.	43.	2.13	2.22	81.	.15	52.
9 38 20	22.	-20.000	-31.	48.	379.	217.	49.	45.	2.31	2.37	81.	.02	51.
9 38 25	22.	-20.000	-32.	48.	372.	217.	46.	43.	2.25	2.28	81.	.07	51.
9 38 30	21.	-20.000	-31.	42.	389.	217.	45.	45.	2.31	2.25	82.	0.00	51.
9 38 35	22.	-20.000	-32.	46.	375.	217.	45.	43.	2.24	2.28	83.	.02	51.
9 38 40	22.	-20.000	-32.	47.	364.	217.	48.	41.	2.17	2.27	89.	0.00	51.
9 38 45	21.	-20.000	-32.	49.	359.	217.	49.	42.	2.20	2.24	87.	.06	51.
9 38 50	21.	-20.000	-31.	48.	366.	217.	50.	43.	2.29	2.25	86.	.14	52.
9 38 55	21.	-20.000	-32.	50.	365.	217.	53.	43.	2.32	2.28	87.	.11	51.
9 39 0	20.	-20.000	-33.	51.	357.	217.	48.	39.	2.35	2.17	86.	.04	51.
9 39 5	21.	-20.000	-32.	51.	361.	217.	48.	40.	2.41	2.35	87.	.05	51.
9 39 10	22.	-20.000	-31.	48.	352.	217.	51.	44.	2.68	2.48	89.	-.02	52.
9 39 20	22.	-20.000	-32.	49.	352.	217.	54.	43.	2.64	2.55	90.	-.02	52.
9 39 20	22.	-20.000	-32.	54.	378.	218.	50.	43.	2.89	2.68	90.	.02	53.
9 47 6	22.	-20.000	-31.	53.	375.	218.	52.	43.	2.78	2.59	82.	.12	53.
9 47 11	22.	-20.000	-32.	50.	355.	217.	46.	42.	2.74	2.72	74.	.02	53.
9 47 16	21.	-20.000	-32.	51.	358.	218.	50.	41.	2.68	2.65	69.	.03	53.
9 48 25	22.	-20.000	-32.	50.	352.	218.	50.	43.	2.66	2.82	71.	.04	53.
9 48 30	21.	-20.000	-32.	51.	365.	218.	54.	43.	2.64	2.67	72.	.04	53.
9 48 35	22.	-20.000	-32.	52.	380.	217.	58.	43.	2.66	[illegible]	72.	.20	52.
10 0 22	21.	-20.000	-32.	51.	363.	217.	54.	43.	2.53	2.34	70.	.16	52.
10 0 27	27.	-20.000	-32.	44.	379.	217.	46.	56.	3.52	3.30	64.	.35	49.
10 0 32	31.	-20.000	-32.	40.	387.	218.	43.	63.	4.01	3.69	57.	.41	47.
10 0 37	36.	-20.000	-32.	31.	413.	219.	37.	71.	4.91	4.30	44.	.61	41.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PV270-PV274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
10 0 42	36.	-20.000	-32.	33.	415.	219.	39.	72.	4.98	4.31	43.	.61	40.
10 0 47	37.	-20.000	-31.	34.	425.	209.	43.	74.	4.89	4.05	46.	.53	40.
10 0 52	37.	-20.000	-31.	36.	445.	215.	41.	73.	4.92	4.00	43.	.51	40.
10 0 57	38.	-20.000	-31.	36.	455.	220.	45.	70.	5.00	4.18	41.	.59	40.
10 1 2	38.	-20.000	-31.	37.	457.	220.	42.	71.	4.93	4.19	40.	.59	39.
10 1 12	38.	-20.000	-32.	39.	463.	219.	40.	70.	4.97	4.20	39.	.65	40.
10 1 17	40.	-20.000	-32.	38.	474.	219.	42.	75.	5.20	4.41	39.	.63	39.
10 1 22	46.	-20.000	-32.	37.	481.	221.	35.	86.	6.94	5.38	39.	.94	32.
10 1 27	47.	-20.000	-32.	38.	488.	221.	37.	89.	7.12	5.51	38.	.93	35.
10 1 32	48.	-20.000	-31.	38.	516.	221.	36.	89.	7.27	5.30	37.	.82	39.
10 1 32	48.	-20.000	-32.	38.	523.	222.	38.	88.	7.23	5.35	37.	.83	38.
10 1 42	48.	-20.000	-31.	38.	541.	223.	39.	87.	6.31	5.14	84.	.90	39.
10 1 42	48.	-20.000	-31.	37.	533.	223.	42.	83.	5.91	4.90	64.	.65	39.
10 1 47	49.	-20.000	-31.	39.	525.	222.	40.	73.	5.20	4.14	37.	.68	39.
10 1 52	48.	-20.000	-31.	39.	530.	221.	39.	75.	5.23	4.26	38.	.65	39.
10 1 57	48.	-20.000	-32.	35.	516.	222.	45.	75.	5.22	4.46	39.	.70	39.
10 2 2	48.	-20.000	-32.	35.	519.	220.	45.	76.	5.27	4.52	39.	.71	38.
10 2 7	48.	-20.000	-31.	37.	515.	222.	44.	77.	5.38	4.57	36.	.78	37.
10 2 13	48.	-20.000	-31.	36.	527.	223.	45.	78.	5.35	4.54	37.	.54	37.
10 2 18	49.	-20.000	-31.	37.	548.	221.	41.	79.	5.40	4.48	37.	.59	38.
10 2 23	49.	-20.000	-31.	38.	530.	222.	39.	75.	5.42	4.55	37.	.58	38.
10 2 28	45.	-20.000	-31.	37.	540.	219.	49.	74.	4.91	4.09	39.	.66	39.
10 2 33	30.	-20.000	-31.	49.	510.	219.	57.	51.	3.04	2.78	40.	.24	42.
10 2 38	16.	-20.000	-31.	66.	463.	219.	57.	31.	1.41	1.49	44.	0.00	52.
10 2 43	17.	-20.000	-31.	67.	439.	219.	71.	30.	1.45	1.47	44.	.07	52.
10 42 48	16.	-20.000	-31.	69.	393.	220.	72.	28.	1.41	1.41	44.	.12	56.
10 2 53	16.	-20.000	-31.	68.	394.	219.	72.	29.	1.36	1.34	46.	.08	56.
10 2 58	16.	-20.000	-32.	69.	375.	218.	71.	29.	1.31	1.08	47.	.10	58.
10 3 3	16.	-20.000	-32.	68.	384.	217.	69.	31.	1.25	1.15	48.	.05	58.
10 43 8	16.	-20.000	-31.	68.	373.	217.	67.	31.	1.27	1.06	52.	.04	59.
10 3 13	16.	-20.000	-32.	69.	355.	217.	66.	31.	1.21	1.21	52.	.07	59.
10 3 18	21.	-20.000	-32.	56.	378.	217.	58.	43.	1.97	1.94	52.	.16	58.
10 3 23	21.	-20.000	-32.	54.	374.	217.	53.	43.	1.92	1.90	53.	.14	55.
10 3 28	23.	-20.000	-31.	50.	379.	217.	42.	46.	2.40	2.19	56.	.14	50.
10 3 33	23.	-20.000	-32.	47.	373.	217.	43.	46.	2.48	2.31	55.	.10	51.
10 3 38	23.	-20.000	-31.	42.	380.	218.	47.	46.	2.52	2.33	54.	.04	50.
10 43 48	23.	-20.000	-32.	44.	371.	217.	49.	46.	2.59	2.47	56.	.17	50.
10 3 53	9.	-20.000	-32.	54.	335.	216.	60.	22.	.76	.94	58.	0.00	42.
10 3 58	6.	-20.000	-33.	76.	349.	216.	94.	13.	.47	.58	58.	0.00	50.
10 4 3	-0.	-20.000	-34.	114.	296.	217.	150.	3.	0.00	.12	58.	-.12	63.
10 4 8	-0.	-20.000	-34.	111.	296.	216.	144.	1.	.05	.16	58.	-.10	62.
10 4 8	-1.	-20.000	-34.	96.	293.	216.	116.	-2.	.06	.22	61.	-.14	60.

C COMMUTATOR

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEAJER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZL E	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
8 57 9	120.	-1.	.14	119.	29.80	.04	0.0	116.	160.18	159.5	205.4	127.	-100.
8 57 14	121.	-1.	.17	112.	29.80	.01	-.2	115.	160.18	159.5	206.6	126.	-100.
8 57 19	120.	-2.	.08	98.	29.58	-.01	0.0	129.	161.47	159.5	186.7	121.	-100.
8 57 24	120.	-2.	.13	103.	29.50	-.01	-.0	123.	161.15	159.5	206.6	121.	-100.
8 57 29	120.	-2.	0.00	115.	29.32	.04	.0	119.	160.18	158.9	205.4	127.	-100.
8 57 42	119.	-2.	.04	122.	29.53	.04	.0	116.	160.50	158.6	205.7	125.	-100.
8 57 39	120.	-2.	.23	128.	30.10	.03	-.1	127.	160.18	158.2	213.7	127.	-100.
8 57 49	120.	-2.	.16	131.	29.32	.05	-.0	119.	160.82	158.9	218.8	125.	-100.
8 57 54	120.	-1.	.12	99.	29.50	0.00	-.2	108.	160.82	159.5	225.1	127.	-100.
8 57 59	121.	-2.	.07	116.	29.59	.01	-.1	116.	160.82	158.2	211.1	127.	-100.
8 58 4	121.	-2.	.16	85.	29.86	0.00	-.1	95.	164.06	159.5	218.5	126.	-100.
8 58 9	120.	-2.	.16	104.	29.45	.02	-.2	108.	164.86	159.2	194.7	126.	-100.
8 58 9	119.	-2.	.27	106.	29.50	-.00	-.2	103.	160.82	158.9	191.9	127.	-100.
8 58 14	119.	-2.	.22	119.	29.59	.01	0.0	112.	160.82	158.9	191.9	127.	-100.
8 58 19	120.	-2.	.22	127.	29.92	.00	-.1	106.	159.53	158.9	203.5	126.	-100.
8 58 24	120.	-2.	.15	125.	29.86	.01	-.1	113.	159.85	157.9	204.4	126.	-100.
8 58 29	120.	-2.	.25	93.	29.44	.01	-.1	111.	160.18	158.2	199.0	126.	-100.
8 58 34	120.	-2.	.32	104.	29.71	.00	-.2	108.	159.85	158.6	206.8	126.	-100.
8 58 40	121.	-2.	.02	111.	29.56	0.00	-.1	116.	160.18	159.5	213.0	127.	-100.
8 58 45	120.	-2.	.09	116.	29.65	.02	.0	114.	159.85	159.5	215.6	127.	-100.
8 58 50	118.	-2.	.05	129.	29.92	.05	0.0	117.	161.47	159.5	195.1	127.	-100.
8 58 55	119.	-2.	.12	129.	29.83	.04	-.0	116.	160.50	159.5	206.3	127.	-100.
8 59 0	120.	-1.	.05	77.	29.44	0.00	-.1	116.	160.18	159.5	198.4	127.	-100.
8 59 5	120.	-2.	.10	103.	29.71	.03	-.0	110.	159.85	158.9	209.0	127.	-100.
8 59 10	120.	-2.	0.00	116.	29.62	0.00	-.3	124.	160.18	158.9	223.2	127.	-100.
8 59 15	120.	-2.	-.02	121.	29.80	.01	-.3	129.	158.56	159.2	210.4	127.	-100.
8 59 20	120.	-1.	.29	105.	29.62	-.02	-.1	99.	160.82	159.5	177.6	128.	-100.
9 10 18	124.	12.	.16	114.	29.56	-.01	-.1	112.	161.15	159.5	196.6	130.	-100.
9 10 23	130.	26.	.31	125.	29.38	-.00	-.1	116.	161.47	160.2	191.9	129.	-100.
9 10 28	131.	26.	.21	128.	29.50	0.00	-.2	123.	161.47	159.9	190.3	128.	-100.
9 10 33	130.	27.	.18	105.	29.50	0.00	-.3	125.	161.47	160.2	210.8	123.	-100.
9 10 38	131.	27.	.09	118.	29.53	.00	-.1	125.	162.76	159.5	233.1	126.	-100.
9 10 43	134.	26.	-.02	125.	29.92	.01	-.0	114.	160.18	156.9	244.2	133.	-100.
9 10 53	137.	30.	.11	113.	29.77	.02	.0	110.	160.18	158.2	213.9	127.	-100.
9 10 58	141.	33.	.05	124.	29.56	0.00	-.2	128.	160.82	159.5	240.1	128.	-100.
9 11 3	141.	33.	.21	119.	29.56	.01	-.1	115.	160.18	159.9	203.2	127.	-100.
9 11 3	143.	34.	.22	112.	29.68	.03	-.1	101.	159.53	160.2	174.4	131.	-100.
9 51 8	145.	29.	1.14	112.	29.50	.07	.0	104.	160.50	159.2	209.3	130.	-100.
9 11 13	142.	16.	1.99	121.	29.38	.11	.2	105.	163.41	169.9	178.9	124.	-100.
9 11 23	148.	14.	1.77	119.	29.68	.11	.0	109.	164.06	173.1	176.7	127.	-100.
9 11 28	172.	12.	1.72	124.	29.74	.11	-.0	118.	166.65	182.8	218.5	132.	-100.
9 11 28	176.	13.	1.62	136.	29.83	.08	-.1	116.	167.29	186.7	208.2	132.	-100.
9 11 33	194.	13.	1.60	158.	29.38	.09	-.2	132.	169.88	195.1	220.8	131.	-100.
9 11 38	197.	13.	1.50	151.	29.86	.10	-.2	127.	168.59	197.1	219.7	131.	-100.
9 11 43	207.	14.	2.01	169.	29.98	.09	.1	125.	156.94	204.1	217.5	121.	-100.

TIME H/M/S 06	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 35 PRESS STATIC FWD EQUIP BAYATV ENTOR	EC 36 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
9 51 48	210.	14.	1.95	166.	29.80	.11	.1	122.	165.68	206.0	187.2	123.	-100.
9 11 53	216.	14.	1.78	165.	29.38	.08	.0	121.	177.00	212.4	232.8	127.	-100.
9 51 58	220.	16.	1.88	162.	29.65	.10	.0	119.	176.35	214.0	214.1	128.	-100.
9 12 4	233.	20.	2.25	168.	30.04	.08	.1	120.	178.29	219.4	227.7	125.	-100.
9 12 9	243.	21.	2.29	172.	30.01	.10	.1	125.	180.56	221.9	197.5	127.	-100.
9 12 14	270.	25.	2.42	199.	29.85	.09	-.0	130.	188.65	231.5	189.9	130.	-100.
9 12 19	276.	27.	2.45	196.	29.62	.11	-.0	123.	186.06	236.0	214.2	129.	-100.
9 12 24	301.	32.	2.45	232.	29.98	.13	.2	127.	189.94	248.1	208.9	125.	-100.
9 12 29	310.	33.	2.38	236.	29.89	.13	.2	123.	191.88	254.4	178.6	126.	-100.
9 12 34	330.	36.	2.11	245.	29.56	.14	.2	124.	197.71	272.1	182.2	123.	-100.
9 12 39	338.	29.	1.92	259.	29.68	.14	.2	122.	199.63	278.3	213.2	127.	-100.
9 12 44	347.	24.	1.82	268.	29.98	.08	.0	124.	204.10	290.7	178.3	124.	-100.
9 12 49	351.	24.	1.88	258.	29.74	.12	0.0	122.	203.46	291.7	161.1	125.	-100.
9 12 54	357.	24.	1.56	251.	29.74	.15	.2	125.	204.10	296.3	149.2	127.	-100.
9 12 59	357.	25.	1.56	253.	29.74	.13	.2	125.	204.42	296.9	182.7	127.	-100.
9 13 4	364.	24.	1.78	249.	29.08	.15	.1	115.	206.01	299.4	156.3	124.	-100.
9 13 9	364.	24.	1.58	253.	29.08	.12	.0	120.	206.97	301.3	179.2	127.	-100.
9 13 14	364.	24.	1.31	263.	29.74	.12	.1	128.	209.20	306.3	259.5	129.	-100.
9 13 19	369.	24.	1.38	264.	29.92	.11	.1	134.	209.83	306.9	206.3	129.	-100.
9 13 29	377.	31.	1.62	259.	29.62	.13	.1	121.	211.11	308.7	145.3	127.	-100.
9 13 34	378.	33.	1.58	277.	29.74	.12	0.0	130.	215.25	312.2	182.3	129.	-100.
9 13 39	378.	28.	1.39	310.	30.04	.09	0.0	137.	218.75	321.2	257.6	128.	-100.
9 13 39	375.	26.	1.48	293.	29.68	.10	-.1	130.	219.07	321.8	236.3	127.	-100.
9 13 44	368.	25.	1.47	294.	29.56	.11	-.1	132.	216.84	320.1	146.6	124.	-100.
9 13 49	365.	23.	1.45	281.	29.50	.12	.0	126.	217.16	317.7	143.0	125.	-100.
9 13 59	354.	21.	1.39	278.	29.80	.13	0.0	139.	216.21	311.8	195.8	126.	-100.
9 14 12	350.	21.	1.36	264.	29.44	.14	.1	132.	214.93	307.8	285.3	127.	-100.
9 14 9	340.	20.	1.31	265.	29.32	.10	-.1	136.	211.11	296.3	136.9	128.	-100.
9 14 9	337.	20.	1.29	258.	29.50	.11	-.0	133.	210.47	292.3	147.9	129.	-100.
9 14 14	329.	20.	1.33	240.	29.62	.15	0.0	129.	211.75	288.2	180.9	133.	-100.
9 14 19	325.	20.	1.41	236.	29.80	.13	0.0	130.	209.20	277.4	203.0	131.	-100.
9 14 24	316.	21.	1.52	221.	29.92	.07	-.1	137.	205.37	269.6	147.9	123.	-100.
9 14 29	315.	21.	1.34	220.	29.74	.09	-.0	132.	204.42	269.6	188.7	127.	-100.
9 14 34	310.	20.	1.23	222.	29.74	.12	.0	136.	206.65	266.5	247.4	125.	-100.
9 14 40	309.	20.	1.31	207.	29.62	.13	.1	127.	203.78	264.8	217.7	123.	-100.
9 14 45	307.	20.	1.35	212.	29.92	.13	.1	120.	200.27	256.4	174.4	125.	-100.
9 14 50	305.	20.	1.33	205.	29.74	.13	.1	117.	199.96	255.7	190.2	128.	-100.
9 14 55	303.	19.	1.15	202.	29.50	.15	.1	127.	199.00	253.2	202.2	131.	-100.
9 15 0	302.	20.	1.19	205.	29.50	.13	.1	134.	199.00	251.9	172.4	130.	-100.
9 15 5	299.	20.	1.19	195.	29.80	.13	.2	134.	195.76	249.3	125.9	126.	-100.
9 15 10	297.	20.	1.29	195.	29.77	.13	.2	129.	191.88	249.3	152.4	125.	-100.
9 15 15	291.	20.	1.37	209.	29.80	.10	.0	139.	198.35	248.7	229.3	125.	-100.
9 15 20	292.	20.	1.39	215.	29.92	.10	.0	140.	198.35	248.4	222.6	125.	-100.
9 15 25	294.	20.	1.15	199.	30.04	.15	.1	142.	197.71	248.8	146.0	116.	-100.
9 15 30	293.	20.	1.15	194.	29.98	.13	.1	130.	197.71	247.4	208.4	115.	-100.
9 15 35	292.	20.	1.23	190.	29.80	.12	.0	117.	196.41	246.8	172.5	128.	-100.
9 15 40	290.	19.	1.19	191.	29.71	.13	.0	120.	197.36	246.5	207.1	128.	-100.
9 15 45	293.	19.	1.60	208.	29.74	.07	-.1	142.	191.38	246.2	166.8	123.	-100.
9 15 50	292.	18.	1.50	198.	29.98	.09	.0	134.	194.15	245.5	182.2	124.	-100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTOR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 34 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
9 15 55	291.	23.	1.49	209.	29.32	.12	0.0	136.	195.12	246.8	220.0	127.	-100.
9 16 5	294.	25.	1.51	208.	29.65	.10	0.0	137.	196.41	246.2	206.0	126.	-100.
9 16 10	303.	28.	1.43	205.	29.44	.14	.1	127.	194.80	248.7	199.0	125.	-100.
9 16 10	305.	30.	1.44	207.	29.50	.15	.2	126.	199.00	250.6	190.9	124.	-100.
9 16 15	314.	33.	1.39	216.	29.74	.18	.1	114.	202.19	259.5	177.6	124.	-100.
9 16 20	321.	35.	1.46	239.	29.62	.12	.0	114.	203.46	262.1	196.9	125.	-100.
9 16 25	329.	37.	1.54	268.	29.80	.09	-.1	137.	207.92	274.6	209.8	127.	-100.
9 16 35	333.	38.	1.51	269.	29.71	.12	.0	130.	209.51	278.6	210.5	127.	-100.
9 16 40	343.	39.	1.23	285.	29.44	.07	.1	128.	214.29	289.5	183.5	123.	-100.
9 16 45	347.	39.	1.41	288.	29.71	.10	.1	133.	214.95	293.5	193.5	125.	-100.
9 16 45	357.	39.	1.29	283.	29.80	.15	.2	129.	217.48	301.3	205.4	125.	-100.
9 16 50	359.	39.	1.29	287.	29.85	.13	.2	128.	218.44	303.8	196.7	124.	-100.
9 16 55	355.	35.	1.51	309.	29.92	.12	-.1	145.	221.30	311.8	205.4	125.	-100.
9 17 0	361.	35.	1.43	304.	29.50	.13	-.0	142.	222.26	310.6	199.6	127.	-100.
9 17 5	362.	35.	1.62	314.	29.62	.10	-.1	141.	221.94	315.0	183.5	123.	-100.
9 17 10	367.	35.	1.43	314.	29.53	.10	-.1	138.	224.17	315.3	192.8	124.	-100.
9 17 16	372.	37.	1.33	317.	29.32	.11	-.0	130.	226.40	318.7	218.8	125.	-100.
9 17 21	373.	37.	1.35	316.	29.35	.12	.0	130.	222.58	320.5	204.3	126.	-100.
9 17 26	371.	37.	1.41	327.	29.86	.07	.1	150.	228.95	321.8	195.8	122.	-100.
9 17 31	375.	37.	1.34	314.	29.77	.11	.1	140.	229.59	322.4	202.5	126.	-100.
9 17 36	378.	37.	1.37	322.	29.98	.14	.0	136.	231.50	324.9	182.2	116.	-100.
9 17 41	378.	38.	1.22	316.	29.92	.15	0.0	135.	231.18	325.5	196.3	119.	-100.
9 17 46	374.	40.	1.43	329.	29.86	.07	-.1	152.	230.86	326.8	211.1	123.	-100.
9 17 51	377.	40.	1.33	333.	29.65	.09	-.1	147.	231.50	327.1	216.2	124.	-100.
9 17 56	379.	41.	1.43	321.	29.32	.13	-.3	133.	228.95	329.9	202.8	121.	-100.
9 18 1	380.	40.	1.27	329.	29.65	.14	-.1	138.	230.54	328.4	188.9	122.	-100.
9 18 6	379.	39.	1.33	342.	29.50	.15	-.0	115.	234.05	328.6	189.9	123.	-100.
9 18 11	383.	39.	1.34	337.	29.56	.10	-.0	125.	234.37	328.6	193.2	126.	-100.
9 18 16	381.	38.	1.70	314.	29.74	.07	-.1	134.	234.69	329.9	176.4	123.	-100.
9 18 21	384.	39.	1.50	324.	29.77	.09	-.1	135.	235.32	330.2	174.7	124.	-100.
9 18 26	381.	39.	1.29	334.	29.56	.11	-.0	141.	235.96	330.5	209.8	121.	-100.
9 18 31	382.	39.	1.32	333.	29.44	.12	-.0	139.	235.64	331.5	209.2	124.	-100.
9 18 41	379.	32.	1.27	340.	29.68	.15	.2	150.	235.32	331.1	179.6	123.	-100.
9 18 41	375.	33.	1.23	335.	29.53	.15	.2	150.	235.64	330.2	189.3	123.	-100.
9 18 46	339.	37.	1.25	322.	29.86	.14	.0	115.	235.32	329.3	202.2	120.	-100.
9 18 51	352.	38.	1.23	316.	29.86	.13	.0	128.	234.69	330.2	200.6	122.	-100.
9 18 56	365.	38.	1.11	319.	29.62	.07	.2	150.	231.50	328.6	227.7	125.	-100.
9 19 1	366.	38.	1.15	312.	29.65	.07	.0	139.	232.46	327.7	224.8	127.	-100.
9 19 11	363.	34.	1.45	296.	29.68	.09	0.0	132.	231.50	327.4	196.4	126.	-100.
9 19 16	370.	34.	1.45	304.	29.80	.11	.1	135.	232.14	327.7	214.8	126.	-100.
9 19 21	378.	40.	1.31	324.	29.98	.15	0.0	125.	234.05	334.9	162.1	113.	-100.
9 19 26	378.	39.	1.21	334.	29.98	.13	.1	136.	235.00	333.3	188.2	121.	-100.
9 19 26	381.	39.	1.19	324.	29.85	.11	.1	134.	236.60	331.1	175.1	121.	-100.
9 19 31	381.	39.	1.19	319.	29.80	.12	.0	136.	236.28	331.1	196.8	120.	-100.
9 19 36	381.	38.	1.08	327.	29.44	.17	-.0	151.	237.24	329.9	167.9	122.	-100.
9 19 41	383.	39.	1.09	327.	29.53	.14	.1	147.	237.55	329.3	195.6	124.	0.
9 19 46	384.	39.	1.21	325.	29.62	.10	-.1	138.	239.15	329.9	209.8	125.	-100.
9 19 59	385.	39.	1.17	324.	29.56	.11	-.1	141.	239.15	329.9	215.2	124.	-100.
9 19 57	383.	39.	1.25	310.	29.86	.13	0.0	129.	238.51	330.5	204.7	121.	-100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 35 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 36 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/M
06													
9 20 2	382.	39.	1.22	317.	29.83	.13	-.0	134.	238.51	331.5	210.5	122.	-100.
9 20 7	389.	37.	1.21	307.	29.86	.12	0.0	137.	239.15	331.1	161.5	124.	-100.
9 20 12	388.	38.	1.17	314.	29.80	.11	-.0	139.	239.15	332.4	186.3	125.	-100.
9 20 17	389.	40.	1.13	354.	29.62	.14	-.1	145.	239.15	332.4	167.9	116.	-100.
9 20 22	389.	40.	1.14	344.	29.65	.10	-.0	141.	239.78	332.1	187.0	118.	-100.
9 20 27	390.	41.	1.09	325.	29.93	.10	-.0	133.	241.70	333.0	236.6	125.	-100.
9 20 32	389.	41.	1.05	337.	29.77	.11	-.0	141.	242.01	326.2	234.7	127.	-100.
9 20 37	386.	35.	1.13	350.	29.60	.10	-.0	152.	241.06	335.5	198.4	122.	-100.
9 20 42	384.	36.	1.08	346.	29.55	.13	.0	145.	240.74	334.9	196.7	122.	-100.
9 20 47	374.	38.	.95	339.	29.38	.14	.1	158.	239.15	332.4	229.6	121.	-100.
9 20 52	368.	39.	.98	334.	29.53	.13	.0	150.	238.51	331.8	222.3	120.	-100.
9 20 57	371.	40.	1.11	316.	29.85	.07	.0	142.	236.60	330.5	211.7	122.	-100.
9 21 2	368.	40.	1.10	307.	29.85	.09	.0	141.	235.96	332.7	198.3	122.	-100.
9 21 7	373.	39.	1.17	307.	29.55	.11	.3	138.	235.96	327.4	211.1	126.	-100.
9 21 17	373.	36.	1.18	316.	29.59	.10	.1	139.	236.60	328.6	214.9	124.	-100.
9 21 17	379.	41.	1.06	337.	29.56	.16	.1	145.	242.33	332.4	188.6	123.	-100.
9 21 22	378.	41.	1.23	337.	29.62	.15	.1	143.	240.42	332.4	176.4	121.	-100.
9 21 27	379.	42.	1.15	324.	29.98	.09	-.1	132.	241.06	332.4	218.8	123.	-100.
9 21 32	376.	42.	1.18	321.	29.92	.10	-.1	123.	240.74	332.4	212.1	122.	-100.
9 21 37	377.	41.	1.13	320.	29.74	.10	-.0	138.	246.16	332.4	167.3	120.	-100.
9 61 47	375.	39.	1.09	321.	29.83	.11	-.0	141.	243.29	330.8	161.8	119.	-100.
9 21 52	369.	34.	1.09	336.	29.38	.21	.2	146.	240.42	331.1	226.4	121.	-100.
9 21 57	369.	34.	1.12	325.	29.62	.16	.1	141.	240.10	330.8	207.2	119.	-100.
9 22 2	375.	36.	1.05	317.	29.85	.14	.2	151.	239.78	328.0	173.8	122.	-100.
9 22 2	375.	35.	1.08	308.	29.95	.12	.0	143.	239.47	324.9	201.0	121.	-100.
9 22 7	369.	34.	1.02	314.	29.50	.14	.0	149.	240.42	321.8	170.5	121.	-100.
9 22 12	369.	34.	1.02	311.	29.50	.14	.1	147.	239.15	322.7	164.4	121.	-100.
9 22 17	371.	34.	1.25	295.	30.04	.10	-.0	137.	235.96	315.0	229.6	122.	-100.
9 22 22	369.	34.	1.21	294.	29.92	.12	-.1	140.	235.00	314.3	216.2	122.	-100.
9 22 35	368.	33.	.98	310.	29.38	.14	.1	145.	236.60	311.2	166.0	123.	-100.
9 22 35	363.	33.	.98	309.	29.50	.15	.1	147.	235.00	310.0	192.1	121.	-100.
9 22 38	360.	27.	1.13	285.	29.98	.11	-.4	137.	232.14	308.7	236.6	120.	-100.
9 22 43	365.	27.	1.09	289.	29.71	.11	-.2	141.	231.82	308.1	227.7	119.	-100.
9 62 48	373.	28.	1.02	298.	29.50	.13	0.0	142.	230.86	305.6	171.8	119.	-100.
9 22 53	374.	28.	1.05	293.	29.71	.10	-.1	146.	229.59	304.1	201.3	122.	0.
9 22 58	375.	27.	1.06	298.	29.50	.14	.1	149.	228.31	301.9	221.6	122.	100.
9 23 3	374.	27.	1.09	283.	29.77	.11	-.0	145.	227.68	302.2	214.9	122.	0.
9 63 8	369.	32.	1.09	271.	29.98	.07	-.1	142.	223.85	301.9	223.2	121.	-100.
9 23 13	368.	35.	1.11	277.	29.98	.09	-.1	142.	226.40	301.6	203.0	121.	-100.
9 23 18	369.	37.	1.13	278.	29.80	.10	-.1	141.	227.04	299.4	227.7	120.	-100.
9 23 23	368.	37.	1.12	279.	29.86	.11	-.1	139.	227.68	300.3	213.7	118.	-100.
9 23 28	366.	37.	.98	292.	29.44	.15	.1	150.	228.95	300.7	177.6	119.	-100.
9 23 33	366.	37.	.99	285.	29.41	.13	.1	139.	228.63	301.0	181.5	120.	-100.
9 23 38	362.	37.	.92	286.	29.98	.12	-.1	138.	228.31	301.3	182.2	121.	-100.
9 23 43	362.	36.	.95	288.	29.86	.14	-.0	146.	228.31	301.3	190.6	120.	-100.
9 63 48	360.	37.	1.27	295.	29.50	.11	-.0	143.	227.84	300.3	230.9	121.	100.
9 23 53	362.	37.	1.09	296.	29.68	.12	.0	150.	228.31	300.3	194.9	119.	100.
9 23 58	359.	36.	.88	300.	29.62	.15	.1	151.	228.31	300.7	206.0	118.	100.
9 24 3	358.	37.	.90	304.	29.53	.15	.1	155.	228.00	300.0	218.4	119.	100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 35 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 34 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF. COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AM3 FIN TIP COMPT	EC 100 TEMP AM3 FIN TIP COMPT	EC 101 TEMP AM8 FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
9 24 8	357.	36.	.98	289.	29.56	.15	0.0	146.	225.65	300.0	167.3	119.	100.
9 24 13	359.	37.	1.00	284.	29.50	.14	.3	142.	226.88	299.1	161.5	118.	100.
9 24 23	354.	37.	.98	278.	30.10	.12	-.1	145.	220.31	300.0	160.8	118.	100.
9 24 23	353.	30.	1.14	268.	29.59	.11	-.1	139.	227.66	299.4	166.8	123.	100.
9 28 16	305.	21.	1.02	216.	30.04	.10	.1	147.	200.27	249.3	208.6	120.	-100.
9 28 21	305.	21.	1.23	221.	29.80	.14	.1	145.	208.59	249.0	216.2	121.	-100.
9 28 34	310.	20.	1.05	213.	30.10	.10	0.0	147.	201.55	247.4	177.6	111.	-100.
9 28 31	308.	20.	1.08	208.	29.77	.13	.1	145.	200.91	248.1	187.7	113.	-100.
9 28 36	305.	20.	.94	204.	30.16	.13	-.1	137.	201.55	248.7	204.1	117.	-100.
9 28 41	305.	20.	.93	208.	30.01	.11	-.0	141.	200.91	248.4	198.3	120.	-100.
9 28 46	302.	20.	1.02	191.	29.88	.08	-.0	130.	202.82	245.5	239.1	123.	-100.
9 28 56	303.	20.	1.05	191.	29.35	.10	-.0	130.	201.55	244.9	208.1	119.	-100.
9 29 1	307.	20.	1.09	199.	29.50	.12	0.0	132.	199.64	248.7	169.9	115.	-100.
9 29 6	306.	20.	1.03	199.	29.68	.11	0.0	129.	199.96	248.1	185.4	114.	-100.
9 29 11	302.	21.	1.08	196.	29.32	.12	0.0	129.	199.64	239.1	228.3	119.	-100.
9 29 16	302.	20.	1.05	194.	29.47	.12	-.1	127.	199.96	244.0	222.6	122.	-100.
9 29 16	301.	20.	1.02	198.	29.74	.09	-.1	130.	201.55	239.1	195.8	121.	-100.
9 29 21	300.	20.	1.00	210.	29.68	.12	.1	142.	200.59	244.0	198.3	117.	-100.
9 29 26	305.	20.	1.08	212.	29.80	.11	-.0	142.	199.64	239.1	188.6	127.	-100.
9 29 31	304.	20.	1.08	211.	29.74	.11	-.0	147.	199.32	243.3	184.4	124.	-100.
9 29 36	301.	20.	1.00	202.	29.86	.04	-.0	137.	200.91	248.7	225.1	127.	-100.
9 29 41	301.	20.	1.04	209.	29.69	.10	.1	141.	201.23	248.7	213.0	122.	-100.
9 29 47	299.	20.	.94	193.	29.74	.10	0.0	129.	200.27	246.8	173.1	108.	-100.
9 29 52	299.	20.	.95	204.	29.83	.05	-.0	132.	199.96	247.7	195.8	113.	-100.
9 29 65	299.	20.	1.06	189.	29.92	.15	.2	137.	200.91	248.7	202.8	114.	-100.
9 30 2	298.	20.	1.03	200.	29.80	.12	-.0	142.	200.27	247.7	214.3	115.	-100.
9 30 7	298.	20.	.94	217.	29.38	.14	.1	139.	199.80	248.7	170.3	111.	-100.
9 30 12	298.	20.	.99	219.	29.38	.14	.1	146.	199.64	248.1	179.3	114.	-100.
9 30 17	294.	19.	.98	198.	29.74	.06	-.0	132.	199.64	248.8	224.5	125.	-100.
9 30 22	297.	19.	.92	203.	29.68	.09	-.0	136.	199.64	247.1	192.7	120.	-100.
9 30 27	292.	21.	1.00	205.	29.56	.12	.1	152.	198.35	248.1	233.4	120.	-100.
9 30 32	294.	20.	.97	202.	29.80	.11	0.0	145.	199.63	247.4	205.2	115.	-100.
9 30 37	293.	19.	.98	209.	30.04	.10	-.1	142.	202.82	247.4	190.6	124.	-100.
9 30 42	294.	20.	.95	213.	29.71	.10	-.0	144.	201.87	247.4	191.2	118.	-100.
9 30 47	296.	21.	.95	202.	29.62	.13	.1	147.	200.27	246.8	167.3	118.	-100.
9 30 52	297.	21.	.99	207.	29.56	.12	.0	147.	200.27	248.4	170.2	117.	-100.
9 30 57	293.	20.	1.09	191.	29.92	.11	-.1	130.	198.35	247.4	218.1	118.	-100.
9 31 2	292.	20.	.85	203.	29.65	.10	-.0	138.	199.63	247.7	212.4	119.	-100.
9 31 7	293.	20.	1.02	190.	29.86	.12	-.1	136.	200.27	248.7	216.8	111.	-100.
9 31 12	292.	20.	.95	196.	29.89	.11	-.1	136.	200.27	248.1	198.5	109.	-100.
9 31 17	292.	20.	.99	207.	29.62	.15	.1	139.	199.64	248.8	207.3	117.	-100.
9 31 22	293.	20.	.99	202.	29.77	.13	.1	138.	199.64	247.1	200.2	122.	-100.
9 71 32	291.	19.	1.02	202.	29.62	.06	-.1	138.	199.80	247.4	222.6	119.	-100.
9 31 37	289.	19.	.95	205.	29.62	.08	-.1	139.	199.64	247.7	223.2	121.	-100.
9 31 42	292.	23.	1.19	196.	29.74	.14	.1	139.	199.80	247.4	183.5	118.	-100.
9 31 47	291.	25.	1.17	198.	29.80	.12	.0	138.	199.32	248.4	191.2	119.	-100.
9 31 52	294.	33.	1.08	207.	29.86	.15	-.0	137.	200.91	251.9	190.4	112.	-100.
9 31 57	299.	35.	1.30	222.	29.62	.13	-.0	140.	203.14	255.4	188.6	113.	-100.
9 31 57	321.	37.	1.09	239.	29.86	.09	0.0	125.	207.92	270.8	173.8	112.	-100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 35 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEAJER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV NOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
9 32 2	326.	37.	1.05	256.	29.85	.12	.1	152.	210.15	270.4	175.1	111.	-100.
9 32 7	340.	38.	1.02	296.	29.50	.09	-.1	145.	215.86	295.1	211.7	116.	-100.
9 32 12	342.	38.	.81	295.	29.65	.08	-.1	138.	215.89	300.5	211.7	120.	-100.
9 32 17	356.	39.	.94	310.	29.80	.15	.1	142.	223.22	318.7	153.7	121.	-100.
9 32 22	359.	39.	.89	321.	29.59	.12	0.0	146.	225.85	319.6	183.0	119.	-100.
9 32 28	364.	39.	.80	340.	29.74	.13	.1	146.	227.68	326.1	215.6	121.	-100.
9 32 33	366.	39.	.82	339.	29.55	.13	.1	149.	229.27	328.0	204.7	122.	-100.
9 32 38	373.	39.	.80	342.	29.44	.11	0.0	147.	232.14	333.0	192.5	119.	-100.
9 32 43	372.	40.	.89	341.	29.71	.13	.1	149.	233.41	334.9	194.1	119.	-100.
9 72 48	376.	41.	.90	350.	29.93	.14	.1	141.	236.60	341.2	210.5	119.	-100.
9 32 53	380.	42.	.95	344.	30.01	.13	.2	137.	237.55	340.2	212.4	119.	-100.
9 32 58	388.	40.	.90	365.	29.50	.10	.1	156.	239.15	344.3	162.8	115.	-100.
9 33 3	389.	41.	.88	365.	29.44	.11	0.0	151.	239.15	345.6	192.0	116.	-100.
9 73 8	388.	42.	.86	359.	30.04	.13	.2	139.	239.15	350.6	228.3	117.	-100.
9 33 13	389.	41.	.82	371.	29.65	.12	.0	141.	241.70	350.0	213.7	116.	-100.
9 33 18	395.	40.	.90	368.	29.50	.12	-.1	145.	244.88	365.0	207.3	109.	-100.
9 33 23	397.	40.	.91	373.	29.55	.11	-.2	143.	245.52	366.0	203.1	110.	-100.
9 33 28	401.	39.	.86	395.	29.86	.12	.1	146.	249.98	374.4	206.0	125.	-100.
9 33 33	405.	37.	.92	392.	29.71	.12	.0	139.	250.94	377.3	207.0	125.	-100.
9 33 38	414.	35.	.92	419.	29.68	.06	-.5	149.	253.80	385.7	224.5	121.	100.
9 33 43	417.	37.	.93	406.	29.77	.09	-.2	140.	255.08	385.1	225.1	115.	100.
9 73 48	421.	39.	.94	406.	29.74	.09	0.0	136.	255.72	392.0	208.6	112.	100.
9 33 53	423.	39.	.85	414.	29.89	.12	.1	141.	258.26	393.3	193.4	114.	100.
9 33 58	428.	40.	.84	445.	29.58	.11	.2	156.	262.09	397.6	171.2	125.	100.
9 34 8	430.	40.	.87	427.	29.74	.13	.2	146.	260.81	398.3	169.9	119.	100.
9 34 13	430.	37.	.85	434.	29.68	.14	.0	155.	265.24	399.5	201.5	123.	100.
9 34 18	431.	37.	.88	428.	29.74	.14	.1	149.	264.62	400.2	205.1	115.	100.
9 34 23	435.	38.	.78	433.	29.98	.15	.2	161.	265.86	401.4	180.2	108.	100.
9 34 28	437.	39.	.90	431.	29.77	.14	.1	148.	266.17	400.5	194.7	108.	100.
9 34 33	427.	21.	.83	419.	29.80	.15	.1	158.	264.62	402.7	175.1	112.	100.
9 34 33	429.	21.	.76	401.	29.68	.12	.0	150.	262.72	400.2	176.4	115.	100.
9 34 38	420.	21.	.94	355.	29.32	.11	.2	142.	258.90	390.1	217.5	117.	100.
9 34 43	410.	21.	.77	345.	29.65	.12	.2	147.	255.72	383.8	224.5	120.	100.
9 34 48	415.	21.	.95	299.	29.74	.14	.1	133.	244.25	381.3	192.5	111.	100.
9 34 53	413.	21.	1.02	296.	29.83	.14	.1	141.	243.29	353.1	186.1	110.	100.
9 34 58	408.	21.	.94	270.	29.62	.10	.1	133.	239.15	331.1	219.4	117.	100.
9 35 4	403.	18.	.87	266.	29.59	.13	.1	137.	236.92	324.9	221.9	115.	100.
9 35 9	401.	14.	.76	253.	29.98	-.00	.1	149.	231.50	305.6	209.2	123.	100.
9 35 14	399.	14.	.75	253.	29.65	.07	.1	150.	229.59	292.6	187.3	115.	100.
9 35 19	392.	14.	.82	231.	29.92	.12	-.0	158.	220.03	285.7	136.2	107.	100.
9 35 24	390.	14.	.86	229.	29.86	.11	-.3	155.	219.07	282.0	148.9	110.	100.
9 35 29	390.	14.	.92	227.	28.12	.07	-.2	146.	214.29	270.2	216.8	108.	100.
9 35 34	386.	14.	.80	212.	28.87	.09	-.1	143.	213.98	267.1	177.5	110.	100.
9 35 39	382.	14.	.82	185.	29.50	.11	.1	137.	208.56	259.5	143.4	110.	100.
9 35 44	379.	14.	.91	198.	29.62	.09	-.0	144.	209.83	257.9	150.5	111.	100.
9 35 49	373.	13.	.90	213.	29.86	.07	-.1	149.	212.38	251.3	204.1	124.	100.
9 35 54	372.	14.	.93	216.	29.95	.07	-.2	150.	212.38	253.5	221.9	124.	100.
9 35 59	374.	13.	.94	213.	30.34	.09	-.1	152.	210.47	254.4	159.5	124.	100.
9 36 4	373.	14.	.94	205.	29.83	.09	-.1	149.	209.20	253.2	188.8	116.	100.

TIME H/M/S	EC 49 TEMP AIR JNNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC JNNSTR HOT AIR SENSOR	EC 35 PRESS STATIC FWD EQUIP BAYATv ENTUR	EC 36 TEMP AIR DNNSTR OF PRI MX	EC 34 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR MX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR MX	EC 40 TEMP AIR RAM INLET R/H PRI MX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZL E	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
9 36 9	306.	14.	.88	208.	29.86	.07	0.0	136.	207.28	250.6	229.6	121.	100.
9 36 14	363.	14.	.89	198.	29.82	.08	-.0	136.	206.33	248.7	237.9	120.	100.
9 36 19	364.	14.	.74	176.	29.20	.12	.1	132.	202.82	246.2	250.0	124.	100.
9 36 24	363.	14.	.87	191.	29.59	.12	0.0	145.	203.14	245.2	212.5	116.	100.
9 36 29	365.	14.	.84	198.	29.80	.08	-.1	138.	202.19	243.0	199.0	108.	100.
9 36 34	360.	13.	.89	193.	29.86	.06	-.1	143.	202.19	242.7	221.6	117.	100.
9 36 44	357.	13.	.90	196.	29.80	.13	-.0	160.	200.91	242.3	235.3	123.	100.
9 36 49	356.	13.	.87	189.	29.77	.10	-.1	149.	200.91	242.8	227.0	122.	100.
9 36 54	349.	14.	.85	187.	29.85	.12	-.1	145.	199.64	239.8	178.3	114.	100.
9 36 59	351.	14.	.89	189.	29.83	.13	-.0	149.	199.32	239.8	178.2	111.	100.
9 37 4	349.	14.	.90	194.	29.92	.11	0.0	145.	204.74	239.1	157.5	110.	100.
9 37 9	348.	14.	.87	182.	29.71	.11	.1	138.	201.54	239.5	152.7	110.	100.
9 37 9	349.	14.	.75	171.	29.50	.13	.3	136.	199.00	239.1	182.8	121.	100.
9 37 14	348.	14.	.83	185.	29.69	.10	.0	141.	199.00	239.8	211.0	122.	100.
9 37 19	349.	13.	.76	156.	29.92	.11	.1	138.	198.35	238.5	223.2	120.	100.
9 37 24	344.	13.	1.04	169.	29.77	.11	.1	138.	195.12	237.9	204.6	117.	100.
9 37 29	342.	14.	.82	185.	29.92	.12	-.1	136.	198.35	239.1	202.2	113.	100.
9 77 34	339.	15.	.90	191.	29.92	.09	-.2	145.	198.35	238.8	173.4	111.	100.
9 37 40	339.	20.	1.13	194.	29.92	.10	-.1	137.	199.00	239.1	169.9	112.	100.
9 37 45	339.	19.	1.09	199.	29.83	.12	-.0	145.	199.00	240.4	182.2	110.	100.
9 37 50	334.	19.	1.03	202.	29.86	.09	-.1	134.	201.55	244.9	186.7	113.	100.
9 37 55	336.	20.	.85	212.	29.50	.08	-.1	141.	203.14	246.8	181.2	113.	100.
9 38 0	335.	20.	1.06	228.	29.68	.07	-.1	150.	207.28	255.1	199.0	125.	100.
9 38 5	335.	20.	1.07	231.	29.71	.09	-.1	152.	206.97	257.6	209.2	122.	100.
9 38 10	334.	19.	1.09	207.	29.44	.17	.2	137.	208.56	264.8	182.8	105.	100.
9 38 15	332.	19.	1.09	212.	29.47	.14	.1	140.	208.56	264.6	173.8	110.	100.
9 38 20	334.	20.	1.06	226.	29.62	.11	0.0	115.	206.65	266.5	251.3	125.	100.
9 38 25	334.	20.	1.07	217.	29.59	.12	.1	125.	206.97	265.0	250.0	123.	100.
9 38 30	331.	20.	1.04	218.	29.56	.12	0.0	146.	209.63	264.6	199.0	119.	100.
9 38 35	331.	20.	1.01	217.	29.65	.13	.0	143.	208.88	264.6	198.4	115.	100.
9 38 40	332.	19.	.98	209.	29.62	.14	.2	137.	208.56	271.5	216.2	123.	100.
9 38 45	330.	19.	1.03	210.	29.53	.14	.1	141.	208.56	268.7	201.1	120.	100.
9 38 50	336.	19.	1.09	214.	29.20	.16	.1	145.	207.92	266.5	167.3	110.	100.
9 38 55	336.	19.	1.22	203.	29.29	.14	.1	141.	206.33	265.9	207.4	112.	100.
9 39 0	327.	19.	.94	208.	29.62	.17	.1	132.	207.28	265.9	190.4	117.	100.
9 39 5	327.	19.	1.02	203.	29.59	.16	.2	133.	207.60	266.2	211.7	120.	100.
9 39 10	332.	20.	.98	226.	29.86	.14	-.1	136.	207.28	265.2	164.7	106.	100.
9 39 20	332.	20.	.94	223.	29.95	.12	.0	128.	207.28	267.4	200.7	109.	100.
9 39 20	327.	20.	.98	235.	29.80	.15	-.1	150.	207.92	267.1	195.1	112.	100.
9 47 6	320.	20.	1.04	221.	29.65	.13	-.0	144.	208.24	267.7	212.4	108.	100.
9 47 11	304.	20.	.92	208.	29.50	.14	.1	115.	208.56	267.7	173.1	123.	100.
9 47 16	307.	19.	1.13	216.	29.41	.12	.0	135.	209.51	267.4	192.4	117.	100.
9 48 25	300.	20.	.94	233.	30.34	.12	.2	151.	208.56	267.7	193.8	117.	100.
9 48 30	304.	20.	.94	235.	29.86	.13	.2	151.	207.92	267.7	207.9	113.	100.
9 48 35	309.	20.	1.18	214.	29.38	.11	-.1	146.	206.81	267.7	233.4	110.	100.
10 0 22	303.	20.	1.00	218.	29.92	.11	-.1	141.	207.60	267.7	208.4	110.	0.
10 0 27	305.	20.	1.02	209.	30.34	.10	0.0	129.	203.46	267.1	230.2	115.	-100.
10 0 32	303.	29.	.95	230.	29.77	.12	0.0	142.	206.33	269.3	202.2	116.	-100.
10 0 37	310.	34.	.94	260.	29.80	.16	-.1	145.	216.84	277.0	185.4	123.	-100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTOR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEAJER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZL E	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/M
10 0 42	318.	35.	.90	263.	29.80	.15	-.1	144.	218.44	280.8	197.3	123.	-100.
10 0 47	336.	37.	.78	283.	29.38	.18	.1	115.	218.12	291.3	166.0	117.	-100.
10 0 52	336.	37.	.81	278.	29.71	.17	.1	132.	219.39	294.4	197.5	119.	-100.
10 0 57	347.	3o.	.94	274.	29.85	.11	.1	134.	223.22	305.0	199.0	119.	-100.
10 1 2	345.	37.	.88	289.	29.58	.12	.1	143.	224.17	304.7	213.7	118.	-100.
10 1 12	344.	37.	.88	305.	29.80	.13	0.0	138.	227.04	314.3	225.8	117.	-100.
10 1 17	353.	39.	.85	313.	29.53	.14	.1	147.	227.36	315.9	228.6	117.	-100.
10 1 22	366.	43.	.95	327.	29.74	.09	0.0	138.	230.86	319.3	220.7	118.	-100.
10 1 27	368.	44.	.87	332.	29.52	.11	0.0	147.	232.77	319.3	215.6	119.	-100.
10 1 32	381.	43.	.90	335.	29.92	.08	0.0	138.	236.60	329.3	223.2	112.	-100.
10 1 32	385.	43.	.84	350.	29.71	.10	-.1	145.	236.92	333.6	224.2	111.	-100.
10 1 42	417.	40.	.61	339.	29.85	.08	.1	142.	240.42	343.7	225.1	117.	-100.
10 1 42	415.	46.	.69	352.	29.71	.12	.0	147.	241.38	345.9	207.5	117.	-100.
10 1 47	401.	44.	.88	355.	29.98	.06	0.0	141.	242.33	351.2	228.3	113.	-100.
10 1 52	397.	41.	.83	351.	29.85	.10	.1	140.	244.56	351.5	223.2	112.	-100.
10 1 57	403.	44.	.85	365.	29.56	.16	-.1	134.	246.16	353.7	169.9	117.	-100.
10 2 2	406.	42.	.92	359.	29.77	.11	0.0	136.	245.84	355.0	168.9	116.	-100.
10 2 7	404.	40.	.86	381.	29.62	.16	-.3	149.	246.79	356.3	180.2	95.	-100.
10 2 13	405.	40.	.85	368.	29.77	.13	-.1	147.	247.75	357.5	190.3	101.	-100.
10 2 18	408.	39.	.84	373.	29.85	.09	.0	128.	252.53	360.6	175.7	105.	-100.
10 2 23	405.	39.	.89	376.	29.80	.11	-.1	132.	245.84	360.6	196.8	108.	-100.
10 2 20	412.	41.	.90	365.	29.62	.18	.1	160.	248.71	360.6	223.2	110.	-100.
10 2 33	402.	29.	.74	357.	29.50	.15	.0	154.	249.34	359.7	210.1	107.	-100.
10 2 38	393.	18.	.51	304.	29.74	.12	.3	158.	241.70	360.6	218.1	122.	-100.
10 2 43	394.	18.	.71	280.	29.80	.12	.1	136.	239.15	345.9	209.8	114.	-100.
10 42 48	390.	17.	1.25	274.	29.62	.11	-.1	121.	231.50	326.8	182.2	103.	-100.
10 2 53	388.	17.	.97	256.	29.74	.11	-.0	125.	230.23	323.3	183.8	104.	-100.
10 2 58	384.	17.	.84	261.	29.38	.15	0.0	150.	223.85	308.7	175.7	107.	-100.
10 3 3	379.	17.	.75	240.	29.62	.14	.2	147.	222.26	304.7	188.9	107.	-100.
10 43 8	376.	17.	.82	213.	30.10	.11	.0	136.	220.67	293.8	190.6	105.	-100.
10 3 13	374.	17.	.79	221.	29.74	.10	-.0	145.	218.44	290.4	209.1	113.	-100.
10 3 18	374.	23.	.61	224.	29.50	.14	-.1	149.	213.66	280.8	220.0	105.	-100.
10 3 23	371.	23.	.61	228.	29.38	.13	-.1	154.	213.66	278.9	220.7	109.	-100.
10 3 28	366.	24.	1.09	216.	29.80	.06	-.0	130.	212.38	274.0	238.5	115.	-100.
10 3 33	363.	24.	1.09	227.	29.50	.10	-.0	136.	213.34	274.6	221.0	115.	-100.
10 3 38	365.	24.	1.04	229.	29.80	.11	.0	132.	214.29	273.9	167.3	106.	-100.
10 43 43	364.	24.	1.03	233.	29.44	.14	-.0	137.	217.16	274.6	168.3	109.	-100.
10 3 53	357.	11.	.57	198.	29.98	.15	.1	136.	213.66	273.3	224.5	117.	-100.
10 3 58	352.	8.	.50	203.	29.53	.07	-.1	134.	214.93	272.4	270.7	118.	-100.
10 4 3	347.	3.	.47	199.	29.98	.01	.1	142.	214.93	267.7	250.0	108.	-100.
10 4 0	344.	2.	.50	209.	29.95	-.00	-.1	141.	215.57	262.7	260.1	111.	-100.
10 4 8	342.	2.	.47	233.	29.98	0.00	-.4	145.	216.21	257.3	284.5	112.	-100.

C COMMUTATOR

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX MSUB NLET	EC 57 PRESS RAM AR PRIMRY MX MSUB NLET	EC 58 PRESS RAM AR PRIMRY MX MSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 60 PRESS STATIC PRIMRY MX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/M	PR 26 TEMP SURFAC AUX LIP L/M	PR 27A TEMP SURFAC COWL LIP L/M 25 DEG	PR 27B TEMP SURFAC COWL LIP L/M 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP GSJ L/HENG
07													
8 57 9	-40.00	-.35	.08	.03	.1	.53	118.	848.	120.	626.	118.	120.	117.
8 57 14	-40.00	-.37	.15	.02	-.1	.45	117.	*000000.	120.	*000000.	119.	120.	118.
8 57 19	-40.00	-.27	.35	.00	-.1	.07	117.	LOW	121.	LOW	119.	120.	117.
8 57 24	-40.00	-.14	.37	.01	-.2	.67	117.	*737856.	121.	LOW	118.	120.	117.
8 57 29	-40.00	-.51	.23	-.00	-.1	.53	117.	782.	121.	LOW	119.	116.	117.
8 57 42	-40.00	-.41	.29	.00	-.1	.48	118.	815.	120.	*000000.	120.	117.	116.
8 57 39	-40.00	-.47	.04	.00	.1	.56	117.	582.	121.	LOW	118.	120.	116.
8 57 49	-40.00	-.33	.02	0.00	0.0	.53	117.	429.	121.	LOW	115.	120.	116.
8 57 54	-40.00	-.12	.35	.04	-.4	.44	117.	212.	119.	LOW	120.	119.	117.
8 57 59	-40.00	-.35	.29	.02	-.2	.41	117.	*000000.	117.	LOW	120.	119.	117.
8 58 4	-40.00	-.59	.35	.01	-.1	.47	117.	-147.	120.	LOW	119.	119.	116.
8 58 9	-40.00	-.63	.33	.01	0.0	.54	117.	269.	120.	*000000.	119.	119.	117.
8 58 9	-40.00	-.12	.39	.00	.2	.53	116.	277.	120.	LOW	118.	119.	117.
8 58 14	-40.00	-.23	.35	.03	-.0	.60	118.	399.	118.	LOW	119.	120.	117.
8 58 19	-40.00	-1.29	.20	.03	.2	.41	117.	763.	121.	630.	120.	120.	116.
8 58 24	-40.00	-.98	.16	.01	-.2	.59	117.	806.	121.	536.	120.	119.	117.
8 58 29	-40.00	-.23	.23	.00	.2	.65	118.	848.	120.	198.	120.	120.	116.
8 58 34	-40.00	-.22	.18	.03	.1	.56	118.	711.	120.	*000000.	120.	120.	116.
8 58 40	-40.00	0.00	.43	0.00	-.2	.59	117.	LOW	120.	LOW	119.	120.	117.
8 58 45	-40.00	-.18	.20	.01	-.1	.51	117.	*000000.	120.	LOW	119.	120.	117.
8 58 50	-40.00	-.35	.23	.02	0.0	.53	117.	LOW	121.	LOW	119.	120.	117.
8 58 55	-40.00	-.43	.20	.02	.0	.43	117.	LOW	121.	LOW	117.	119.	117.
8 59 0	-40.00	-.31	.35	-.00	-.1	.62	118.	LOW	121.	LOW	123.	121.	116.
8 59 5	-40.00	-.33	.23	.01	-.1	.00	118.	*000000.	120.	LOW	121.	120.	116.
8 59 10	-40.00	-.74	.35	0.00	.1	.65	117.	274.	118.	LOW	120.	120.	117.
8 59 15	-40.00	-.53	.18	.01	.0	.56	117.	68.	119.	LOW	119.	120.	117.
8 59 20	-40.00	-.27	.35	.05	0.0	.50	119.	189.	120.	LOW	119.	121.	117.
9 10 18	-40.00	-.25	.31	.03	.1	.50	119.	503.	120.	LOW	120.	119.	117.
9 10 23	-40.00	-.08	.39	.03	-.1	.47	119.	-134.	121.	LOW	120.	123.	118.
9 10 28	-40.00	-.04	.35	.02	-.2	.53	119.	*737856.	122.	LOW	120.	123.	118.
9 10 33	-40.00	-.35	.12	.03	.0	.47	118.	LOW	120.	LOW	119.	120.	118.
9 10 38	-40.00	-.23	.08	.04	.0	.44	117.	*000000.	121.	*000000.	120.	119.	117.
9 10 43	-40.00	-.16	.39	.04	-.1	.65	118.	848.	121.	848.	120.	119.	118.
9 10 53	-40.00	-.27	.33	.02	-.1	.53	117.	*000000.	120.	*000000.	119.	120.	118.
9 10 58	-40.00	-.31	-.04	.02	-.1	.47	117.	650.	121.	LOW	120.	119.	117.
9 11 3	-40.00	-.37	.15	.01	-.1	.57	118.	*000000.	120.	LOW	119.	120.	117.
9 11 3	-40.00	-.55	.20	.01	-.0	.59	117.	834.	122.	848.	121.	121.	117.
9 51 8	-40.00	-.49	.16	.52	-.0	.09	117.	841.	122.	*000000.	121.	121.	117.
9 11 13	-40.00	-.23	.35	.06	-.0	.94	117.	LOW	119.	LOW	118.	120.	117.
9 11 23	-40.00	-.20	.23	.06	.1	.81	118.	*000000.	120.	*000000.	120.	120.	117.
9 11 28	-40.00	0.00	.43	.04	.1	.94	118.	848.	121.	848.	121.	119.	117.
9 11 28	-40.00	-.16	.37	.01	.1	.81	118.	848.	121.	796.	120.	119.	117.
9 11 33	-40.00	-.31	.27	.02	.2	.91	118.	848.	120.	668.	119.	118.	116.
9 11 38	-40.00	-.23	.27	.02	.2	.91	118.	848.	120.	523.	117.	118.	116.
9 11 43	-40.00	-.20	.39	.04	-.3	.73	117.	577.	120.	LOW	121.	115.	116.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/M	PR 26 TEMP SURFAC AUX LIP L/M	PR 27A TEMP SURFAC COWL LIP L/M 25 DEG	PR 27B TEMP SURFAC COWL LIP L/M 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
9 51 48	-40.00	-.06	.37	.83	-.1	.87	117.	*000000.	120.	LOW	120.	118.	116.
9 11 53	-40.00	-.16	.27	.84	-.4	.91	117.	848.	121.	LOW	119.	118.	117.
9 51 58	-40.00	-.27	.08	.83	-.1	.81	116.	*000000.	121.	LOW	120.	120.	116.
9 12 4	-40.00	-.31	.39	1.09	0.0	.94	117.	LOW	116.	LOW	120.	119.	117.
9 12 9	-40.00	-.23	.41	1.16	.1	1.00	118.	*000000.	120.	LOW	121.	120.	117.
9 12 14	-40.00	-.04	.43	1.44	.3	1.23	120.	848.	123.	LOW	121.	121.	117.
9 12 19	-40.00	-.22	.25	1.50	.2	1.04	118.	507.	122.	LOW	120.	118.	117.
9 12 24	-40.00	-.35	.31	1.76	.1	.94	117.	LOW	118.	LOW	118.	120.	117.
9 12 29	-40.00	-.25	.27	1.81	.0	.97	118.	*000000.	117.	*000000.	119.	121.	116.
9 12 34	-40.00	-.27	-.04	1.89	.2	.70	119.	LOW	121.	LOW	119.	121.	119.
9 12 39	-40.00	-.14	.25	1.52	.1	.88	117.	*000000.	121.	LOW	120.	120.	117.
9 12 44	-40.00	-.31	.39	1.21	.2	.97	117.	LOW	118.	LOW	118.	120.	117.
9 12 49	-40.00	-.33	.33	1.13	.2	.87	118.	LOW	119.	LOW	119.	121.	117.
9 12 54	-40.00	-.16	.12	1.22	.3	.79	119.	LOW	122.	LOW	118.	121.	117.
9 12 59	-40.00	-.31	.12	1.21	.1	.76	118.	*000000.	122.	*737856.	120.	119.	117.
9 13 4	-40.00	-.31	.15	1.17	0.0	1.00	119.	-108.	118.	LOW	120.	121.	119.
9 13 9	-40.00	-.31	.12	1.19	.1	.89	119.	378.	120.	*000000.	121.	121.	118.
9 13 14	-40.00	0.00	.31	1.21	0.0	1.09	119.	848.	118.	848.	119.	119.	119.
9 13 19	-40.00	-.20	.25	1.15	.1	.91	119.	580.	121.	746.	120.	120.	119.
9 13 29	-40.00	-.31	.35	1.54	0.0	.97	120.	172.	123.	19.	121.	121.	122.
9 13 34	-40.00	-.22	.20	1.72	.1	.85	119.	510.	124.	434.	121.	121.	122.
9 13 39	-40.00	-.55	.12	1.40	.2	.56	118.	848.	123.	-47.	120.	119.	123.
9 13 44	-40.00	-.53	.12	1.33	.2	.72	117.	*000000.	119.	*737856.	119.	120.	127.
9 13 49	-40.00	-.43	.08	1.27	.2	.76	119.	-29.	122.	LOW	121.	121.	127.
9 13 59	-40.00	-.43	.16	1.15	.1	.89	119.	-37.	122.	LOW	120.	121.	127.
9 14 12	-40.00	-.04	.43	1.06	.3	.86	119.	35.	122.	LOW	120.	121.	127.
9 14 9	-40.00	-.18	.35	1.05	.1	.88	119.	442.	122.	*000000.	120.	120.	128.
9 14 9	-40.00	-.16	.08	1.07	.1	.82	122.	LOW	123.	LOW	122.	122.	130.
9 14 14	-40.00	-.29	.20	1.06	.1	.92	123.	*000000.	123.	*000000.	122.	122.	131.
9 14 19	-40.00	-.08	.39	1.05	0.0	1.00	122.	848.	124.	848.	121.	121.	133.
9 14 24	-40.00	-.22	.23	1.04	0.0	.88	122.	348.	122.	611.	121.	121.	133.
9 14 29	-40.00	-.35	.08	1.03	.1	.56	123.	-126.	122.	LOW	121.	121.	136.
9 14 34	-40.00	-.18	.18	1.05	.2	.81	119.	361.	125.	*000000.	121.	118.	136.
9 14 40	-40.00	-.31	.31	1.06	.2	1.00	124.	194.	123.	LOW	117.	119.	138.
9 14 45	-40.00	-.16	.31	1.05	.1	.94	123.	*000000.	123.	LOW	118.	121.	137.
9 14 50	-40.00	-.51	.08	1.02	.1	.76	125.	LOW	126.	LOW	121.	123.	139.
9 14 55	-40.00	-.45	.08	1.02	-.0	.81	125.	*000000.	126.	*000000.	122.	122.	139.
9 15 0	-40.00	-.27	.31	1.04	-.4	.88	125.	357.	123.	285.	121.	122.	141.
9 15 5	-40.00	-.14	.31	1.05	-.1	.73	126.	445.	122.	436.	122.	121.	141.
9 15 10	-40.00	-.20	.35	1.05	0.0	.86	127.	76.	123.	LOW	121.	123.	143.
9 15 15	-40.00	-.14	.39	1.06	.1	.91	126.	-23.	122.	LOW	121.	122.	144.
9 15 20	-40.00	-.04	.20	1.05	.3	.85	125.	736.	121.	LOW	119.	119.	146.
9 15 25	-40.00	-.02	.23	1.05	.3	.87	125.	563.	122.	LOW	119.	119.	146.
9 15 30	-40.00	-.35	.31	1.04	-.1	.88	130.	705.	125.	848.	123.	122.	149.
9 15 35	-40.00	-.20	.33	1.04	.1	.98	129.	776.	124.	*000000.	120.	120.	148.
9 15 40	-40.00	-.23	0.00	1.02	.1	.73	129.	LOW	116.	LOW	122.	123.	149.
9 15 45	-40.00	-.33	.20	.98	.0	.62	127.	*000000.	119.	LOW	122.	121.	149.
9 15 50	-40.00	-.31	.12	.94	.1	.65	126.	239.	122.	LOW	121.	124.	154.
		-.27	.18	.95	.1	.78	127.	294.	122.	LOW	122.	123.	157.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
9 15 55	-40.00	-.20	.27	1.21	.4	.94	127.	208.	121.	LOW	121.	120.	161.
9 16 5	-40.00	-.43	.25	1.28	.3	.85	128.	317.	122.	LOW	121.	122.	155.
9 16 10	-40.00	-.04	.35	1.51	-.0	.91	132.	441.	121.	31.	123.	121.	140.
9 16 10	-40.00	-.02	.33	1.57	.0	.89	132.	274.	122.	*000000.	123.	123.	150.
9 16 15	-40.00	-.23	.35	1.76	.1	.91	134.	55.	121.	LOW	121.	119.	147.
9 16 20	-40.00	-.22	.29	1.84	.2	.82	134.	104.	124.	LOW	122.	121.	153.
9 16 25	-40.00	-.47	.04	2.02	.3	.87	134.	324.	116.	LOW	117.	114.	160.
9 16 35	-40.00	-.23	.25	2.10	.2	.89	132.	267.	118.	LOW	119.	115.	159.
9 16 40	-40.00	-.27	.27	2.26	.2	1.03	134.	178.	121.	LOW	116.	114.	160.
9 16 45	-40.00	-.37	.20	2.32	.1	.87	134.	176.	123.	LOW	119.	117.	164.
9 16 45	-40.00	-.39	.23	2.53	0.0	.87	136.	231.	127.	LOW	126.	127.	161.
9 16 50	-40.00	-.51	.14	2.53	.0	.79	137.	207.	126.	LOW	121.	128.	162.
9 16 55	-40.00	-.31	0.00	2.51	0.0	.65	136.	128.	121.	LOW	121.	115.	157.
9 17 0	-40.00	-.31	.20	2.51	0.0	.70	136.	231.	122.	LOW	122.	119.	166.
9 17 5	-40.00	-.55	.20	2.50	-.1	.87	134.	70.	121.	LOW	121.	116.	162.
9 17 10	-40.00	-.33	.20	2.51	.1	.82	135.	219.	123.	LOW	122.	118.	161.
9 17 16	-40.00	-.08	.23	2.51	.3	1.03	134.	289.	121.	LOW	121.	121.	177.
9 17 21	-40.00	-.06	.25	2.51	.3	1.03	134.	198.	121.	LOW	122.	121.	178.
9 17 26	-40.00	-.35	.08	2.49	.1	.76	136.	84.	121.	LOW	121.	116.	164.
9 17 31	-40.00	-.53	.23	2.51	.1	.85	138.	170.	123.	LOW	125.	120.	168.
9 17 36	-40.00	-.51	.08	2.46	0.0	.87	138.	286.	121.	LOW	120.	117.	167.
9 17 41	-40.00	-.29	.22	2.49	.1	.82	137.	253.	119.	LOW	120.	118.	171.
9 17 46	-40.00	-.51	.04	2.50	.0	.70	138.	224.	121.	LOW	121.	119.	174.
9 17 51	-40.00	-.39	.23	2.50	.1	.73	138.	268.	122.	LOW	121.	119.	179.
9 17 56	-40.00	-.12	.23	2.52	.3	.82	136.	107.	120.	LOW	122.	123.	185.
9 18 1	-40.00	-.10	.25	2.51	.2	.97	139.	97.	118.	LOW	123.	121.	178.
9 18 6	-40.00	-.55	.12	2.49	-.2	.76	139.	73.	121.	LOW	123.	118.	174.
9 18 11	-40.00	-.01	0.00	2.47	-.1	.76	142.	115.	122.	LOW	124.	121.	176.
9 18 16	-40.00	-.08	.12	2.48	.3	.70	140.	176.	121.	LOW	118.	114.	168.
9 18 21	-40.00	-.22	.12	2.49	.3	.66	141.	117.	123.	LOW	122.	119.	180.
9 18 26	-40.00	-.31	.12	2.46	.2	.73	141.	235.	118.	LOW	122.	119.	181.
9 18 31	-40.00	-.41	.10	2.45	.1	.76	141.	176.	120.	LOW	123.	121.	187.
9 18 41	-40.00	-.23	.23	2.39	-.0	.97	144.	108.	120.	LOW	122.	119.	180.
9 18 41	-40.00	-.33	.10	2.42	-.0	.92	146.	189.	122.	*000000.	124.	121.	178.
9 18 46	-40.00	-.20	.41	2.55	-.4	.82	147.	240.	121.	LOW	123.	120.	176.
9 18 51	-40.00	-.29	.33	2.57	-.2	.81	144.	175.	120.	LOW	122.	121.	184.
9 18 56	-40.00	-.27	.31	2.61	-.0	.88	146.	23.	123.	LOW	123.	121.	191.
9 19 1	-40.00	-.45	.18	2.61	-.0	.79	146.	98.	123.	*737656.	124.	123.	193.
9 19 11	-40.00	-.16	.31	2.48	.1	.91	147.	86.	121.	LOW	123.	125.	198.
9 19 16	-40.00	-.12	.31	2.41	.2	.92	148.	143.	121.	*737856.	125.	127.	198.
9 19 21	-40.00	-.35	.20	2.51	.2	.88	147.	48.	120.	LOW	123.	116.	183.
9 19 26	-40.00	-.43	.14	2.49	.1	.82	147.	110.	120.	LOW	123.	117.	187.
9 19 26	-40.00	-.23	.12	2.53	.1	.79	147.	100.	123.	LOW	119.	116.	190.
9 19 31	-40.00	-.20	.25	2.58	.1	.81	147.	127.	122.	LOW	120.	118.	189.
9 19 36	-40.00	-.04	.31	2.56	.2	.97	150.	62.	121.	LOW	124.	121.	186.
9 19 41	-40.00	-.08	.35	2.58	.2	.81	150.	142.	122.	*000000.	125.	123.	194.
9 19 46	-40.00	-.63	.12	2.52	0.0	.79	154.	144.	124.	LOW	128.	127.	195.
9 19 59	-40.00	-.90	.12	2.52	0.0	.73	154.	147.	126.	*000000.	127.	126.	194.
9 19 57	-40.00	-.20	-.04	2.52	.3	1.03	148.	157.	124.	LOW	124.	121.	193.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX HSUB NLET	EC 57 PRESS RAM AR PRIMRY MX HSUB NLET	EC 58 PRESS RAM AR PRIMRY MX HSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 60 PRESS STATIC PRIMRY MX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/M	PR 26 TEMP SURFAC AUX LIP L/M	PR 27A TEMP SURFAC COWL LIP L/M 25 DEG	PR 27B TEMP SURFAC COWL LIP L/M 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
9 20 2	-40.00	-.25	.10	2.51	.2	.92	147.	182.	122.	LOW	121.	121.	196.
9 20 7	-40.00	-.31	.08	2.41	.2	.85	151.	67.	130.	LOW	125.	125.	198.
9 20 12	-40.00	-.37	.06	2.44	.1	.79	150.	93.	128.	LOW	126.	126.	204.
9 20 17	-40.00	-.59	.04	2.45	-.1	.82	151.	48.	122.	LOW	124.	121.	193.
9 20 22	-40.00	-.55	.04	2.44	-.0	.81	151.	87.	124.	LOW	125.	123.	199.
9 20 27	-40.00	-.66	.23	2.40	.1	.88	153.	246.	125.	LOW	126.	127.	209.
9 20 32	-40.00	-.63	.12	2.44	-.0	.76	153.	203.	125.	*737856.	127.	127.	210.
9 20 37	-40.00	-.47	.31	2.42	-.3	1.23	154.	152.	134.	LOW	127.	125.	207.
9 20 42	-40.00	-.39	.31	2.47	-.1	1.11	152.	161.	129.	LOW	125.	124.	206.
9 20 47	-40.00	-.59	.15	2.54	-.1	.82	152.	-19.	123.	LOW	121.	121.	209.
9 20 52	-40.00	-.68	.04	2.54	-.2	.72	152.	92.	122.	*737856.	122.	121.	206.
9 20 57	-40.00	-.39	.08	2.70	.1	.82	155.	110.	126.	LOW	127.	123.	209.
9 21 2	-40.00	-.49	.04	2.72	.0	.82	152.	112.	124.	LOW	126.	122.	210.
9 21 7	-40.00	-.20	.31	2.45	.2	1.17	159.	79.	128.	LOW	127.	126.	211.
9 21 17	-40.00	-.29	.14	2.28	.1	.94	156.	133.	125.	LOW	127.	125.	214.
9 21 17	-40.00	-.23	.20	2.51	-.0	1.00	160.	116.	126.	LOW	127.	123.	206.
9 21 22	-40.00	-.10	.23	2.52	-.0	1.00	159.	100.	124.	LOW	125.	121.	203.
9 21 27	-40.00	-.39	.08	2.53	.1	.88	156.	200.	121.	LOW	119.	123.	209.
9 21 32	-40.00	-.27	.12	2.59	.1	.81	157.	175.	118.	LOW	122.	120.	208.
9 21 37	-40.00	-.06	.03	2.07	0.0	.91	157.	141.	125.	LOW	127.	124.	207.
9 61 47	-40.00	-.74	.12	2.49	-.0	.85	157.	138.	123.	LOW	125.	120.	208.
9 21 52	-40.00	-.51	.20	1.77	0.0	1.20	156.	154.	123.	LOW	122.	120.	209.
9 21 57	-40.00	-.37	.16	1.71	.0	1.01	156.	144.	123.	LOW	124.	121.	214.
9 22 2	-40.00	-.51	.08	1.63	0.0	.91	161.	157.	127.	LOW	126.	130.	217.
9 22 2	-40.00	-.35	.10	1.63	.1	.78	163.	102.	127.	LOW	127.	127.	215.
9 22 7	-40.00	-.20	.31	1.62	.1	1.03	165.	71.	126.	LOW	127.	123.	203.
9 22 12	-40.00	-.23	.31	1.62	.1	1.00	165.	88.	126.	LOW	127.	125.	208.
9 22 17	-40.00	-.12	.04	1.62	-.0	.76	167.	206.	130.	LOW	127.	125.	213.
9 22 22	-40.00	-.31	.04	1.63	.0	.79	166.	170.	128.	LOW	127.	125.	214.
9 22 35	-40.00	-.35	.43	1.62	0.0	1.03	164.	90.	127.	LOW	128.	128.	209.
9 22 33	-40.00	-.43	.41	1.61	-.0	.98	164.	186.	126.	LOW	127.	125.	211.
9 22 38	-40.00	-.20	0.00	1.55	-.0	.50	162.	229.	121.	LOW	130.	124.	217.
9 22 43	-40.00	-.33	.20	1.65	-.1	.72	161.	214.	121.	LOW	127.	122.	223.
9 62 48	-40.00	-.35	.31	1.60	.1	.97	165.	180.	125.	LOW	126.	121.	211.
9 22 53	-40.00	-.41	.14	1.54	-.0	.85	166.	157.	128.	LOW	127.	124.	215.
9 22 58	-40.00	-.59	.27	1.53	-.2	.91	165.	123.	131.	LOW	131.	121.	221.
9 23 3	-40.00	-.47	.18	1.52	-.1	.72	164.	116.	130.	LOW	128.	123.	224.
9 63 8	-40.00	-.16	.12	1.56	.3	.70	163.	105.	127.	LOW	128.	119.	226.
9 23 13	-40.00	-.22	.06	1.59	.2	.65	164.	115.	123.	LOW	127.	119.	221.
9 23 18	-40.00	-.16	.08	1.60	-.3	.70	162.	228.	128.	LOW	131.	127.	226.
9 23 23	-40.00	-.08	.12	1.62	0.0	.73	164.	201.	126.	LOW	129.	126.	223.
9 23 28	-40.00	-.39	.35	1.62	.1	1.00	167.	157.	124.	LOW	127.	128.	221.
9 23 33	-40.00	-.31	.31	1.59	.1	.95	168.	159.	125.	LOW	128.	127.	220.
9 23 38	-40.00	-.51	.23	1.61	-.1	.88	168.	167.	125.	LOW	127.	125.	222.
9 23 43	-40.00	-.51	.23	1.61	-.0	.95	169.	182.	125.	LOW	127.	124.	222.
9 63 48	-40.00	-.35	.23	1.63	0.0	.97	166.	182.	125.	LOW	116.	125.	233.
9 23 53	-40.00	-.45	.41	1.59	-.0	.97	168.	143.	126.	LOW	121.	127.	229.
9 23 58	-40.00	-.39	.43	1.61	0.0	1.03	168.	200.	123.	LOW	125.	123.	224.
9 24 3	-40.00	-.37	.43	1.61	.1	1.03	167.	195.	123.	LOW	127.	124.	229.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX MSUB NLET	EC 57 PRESS RAM AR PRIMRY MX MSUB NLET	EC 58 PRESS RAM AR PRIMRY MX MSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 60 PRESS STATIC PRIMRY MX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 15 TEMP CSD L/HENG
07													
9 24 8	-40.00	-.43	.20	1.57	0.0	.88	171.	103.	123.	LOW	127.	124.	221.
9 24 13	-40.00	-.22	.18	1.59	.1	.89	172.	125.	124.	LOW	127.	124.	221.
9 24 23	-40.00	-.63	.04	1.59	.0	.79	170.	95.	123.	LOW	125.	119.	226.
9 24 23	-40.00	-.43	.10	1.23	.1	.73	169.	146.	124.	LOW	125.	121.	224.
9 28 16	-40.00	-.39	.27	.99	.2	.65	167.	121.	125.	LOW	127.	121.	259.
9 28 21	-40.00	-.27	.27	.98	.2	.78	162.	156.	126.	LOW	126.	123.	255.
9 28 34	-40.00	-.16	.31	.99	.2	.91	156.	90.	127.	LOW	127.	125.	246.
9 28 31	-40.00	-.27	.31	.99	.2	.92	166.	92.	126.	LOW	126.	125.	246.
9 28 36	-40.00	-.47	.23	.96	.1	.76	161.	123.	123.	LOW	126.	125.	255.
9 28 41	-40.00	-.49	.20	.97	.0	.84	150.	112.	124.	LOW	122.	125.	259.
9 28 46	-40.00	-.66	.12	.97	0.0	.65	163.	150.	125.	LOW	121.	121.	250.
9 28 56	-40.00	-.57	.04	.97	0.0	.62	152.	45.	127.	LOW	121.	124.	253.
9 29 1	-40.00	-.35	.31	.97	0.0	.79	160.	67.	131.	LOW	128.	130.	254.
9 29 6	-40.00	-.41	.22	.96	0.0	.70	150.	115.	129.	LOW	128.	127.	252.
9 29 11	-40.00	-.31	.27	.97	.1	.76	159	169.	128.	LOW	128.	123.	256.
9 29 16	-40.00	-.33	.20	.96	.0	.72	156.	138.	125.	LOW	128.	126.	257.
9 29 16	-40.00	-.51	.23	.95	-.1	.[illegible]	161.	167.	124.	LOW	123.	123.	267.
9 29 21	-40.00	-.23	.29	.97	.1	.73	153.	99.	126.	LOW	125.	125.	260.
9 29 26	-40.00	.08	-.04	.96	.2	.68	153.	123.	125.	LOW	125.	125.	266.
9 29 31	-40.00	-.20	.22	.99	.3	.91	153.	93.	126.	LOW	126.	125.	264.
9 29 36	-40.00	-.59	.08	.95	-.1	.67	163.	136.	127.	LOW	127.	125.	261.
9 29 41	-40.00	-.47	.27	.96	-.2	.85	153.	125.	127.	LOW	127.	126.	257.
9 29 47	-40.00	-.39	.43	.95	-.2	.78	150.	90.	127.	LOW	125.	125.	256.
9 29 52	-40.00	-.23	.23	.94	-.1	.78	160.	74.	127.	LOW	127.	126.	259.
9 29 65	-40.00	-.55	.39	.95	.1	.94	157.	150.	126.	LOW	128.	128.	249.
9 30 2	-40.00	-.31	.31	.96	.0	.91	156.	140.	126.	LOW	127.	127.	254.
9 30 7	-40.00	-.08	.23	.99	.2	.91	158.	24.	125.	LOW	127.	127.	254.
9 30 12	-40.00	-.06	.31	.99	.3	.97	158.	49.	125.	LOW	127.	127.	256.
9 30 17	-40.00	-.23	.12	1.00	-.6	.67	158.	73.	125.	LOW	126.	121.	260.
9 30 22	-40.00	-.20	.12	.98	-.3	.73	157.	91.	126.	LOW	124.	125.	266.
9 30 27	-40.00	-.66	.39	.97	.2	.91	159.	37.	125.	LOW	127.	121.	265.
9 30 32	-40.00	-.45	.18	.97	.1	.78	160.	62.	126.	LOW	125.	122.	262.
9 30 37	-40.00	-.66	.08	.97	0.0	.76	159.	85.	123.	LOW	125.	117.	268.
9 30 42	-40.00	-.37	.18	.98	.1	.82	160.	126.	125.	LOW	127.	120.	263.
9 30 47	-40.00	-.27	.43	1.00	.2	1.03	153.	54.	128.	LOW	124.	123.	260.
9 30 52	-40.00	-.14	.53	.97	.2	.95	161.	56.	127.	LOW	125.	126.	261.
9 30 57	-40.00	-.47	.27	1.03	0.0	.91	154.	98.	122.	LOW	126.	124.	263.
9 31 2	-40.00	-.35	.23	1.02	.1	.84	153.	101.	124.	LOW	126.	125.	263.
9 31 7	-40.00	-.55	.35	.99	-.3	.78	161.	149.	125.	LOW	127.	124.	265.
9 31 12	-40.00	-.35	.22	.96	-.1	.73	152.	119.	126.	LOW	125.	123.	264.
9 31 17	-40.00	0.00	.43	.99	.2	1.00	153.	106.	126.	LOW	129.	125.	263.
9 31 22	-40.00	-.20	.43	.98	.2	.94	152.	147.	125.	LOW	127.	125.	270.
9 71 32	-40.00	-.47	0.00	.95	-.0	.58	160.	141.	127.	LOW	128.	127.	273.
9 31 37	-40.00	-.27	.08	.96	.0	.65	152.	88.	126.	LOW	128.	123.	272.
9 31 42	-40.00	-.51	.43	1.12	.2	1.03	161.	33.	128.	LOW	128.	127.	266.
9 31 47	-40.00	-.39	.33	1.10	.1	.98	158.	60.	125.	LOW	124.	125.	271.
9 31 52	-40.00	-.35	.39	1.51	.1	.94	155.	34.	125.	LOW	127.	123.	266.
9 31 57	-40.00	-.27	.20	1.62	.1	.67	156.	71.	125.	LOW	126.	123.	266.
9 31 57	-40.00	-.86	.20	1.75	-.0	.94	152.	50.	127.	LOW	128.	126.	260.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 15 TEMP OSD L/HENG
07													
9 32 2	-40.00	-.59	.22	1.77	.2	.97	152.	28.	127.	LOW	127.	125.	266.
9 32 7	-40.00	-.08	.35	1.78	-.0	.82	148.	79.	126.	LOW	128.	127.	270.
9 32 12	-40.00	-.27	.39	1.79	-.0	.89	147.	58.	127.	LOW	127.	125.	272.
9 32 17	-40.00	-.20	.47	1.84	.3	1.06	141.	77.	124.	LOW	125.	125.	276.
9 32 22	-40.00	-.22	.23	1.82	.1	.69	142.	56.	126.	LOW	126.	127.	274.
9 32 28	-40.00	0.00	.39	1.84	.3	.70	142.	43.	126.	LOW	124.	121.	273.
9 32 33	-40.00	0.00	.20	1.84	.2	.57	142.	84.	124.	LOW	123.	120.	274.
9 32 38	-40.00	-.39	.08	1.84	.3	.50	137.	84.	125.	LOW	125.	124.	278.
9 32 43	-40.00	-.39	.29	1.83	.2	.78	137.	82.	124.	LOW	125.	124.	279.
9 72 48	-40.00	-.12	.23	1.98	.2	.97	140.	119.	125.	LOW	125.	123.	270.
9 32 53	-40.00	-.25	.27	2.00	.2	1.00	139.	99.	129.	LOW	127.	125.	271.
9 32 58	-40.00	-.20	.16	2.13	.2	.79	135.	31.	127.	LOW	126.	127.	270.
9 33 3	-40.00	-.35	.14	2.52	-.3	.78	136.	66.	126.	LOW	127.	130.	272.
9 73 8	-40.00	-.23	.35	3.92	.4	.85	131.	155.	128.	LOW	127.	122.	272.
9 33 13	-40.00	-.29	.18	3.90	.2	.82	132.	146.	126.	LOW	126.	123.	274.
9 33 18	-40.00	-.55	-.04	3.83	0.0	.70	131.	132.	123.	LOW	127.	126.	272.
9 33 23	-40.00	-.59	.02	3.83	0.0	.79	131.	116.	124.	LOW	126.	125.	271.
9 33 28	-40.00	-.31	.23	3.87	.2	1.03	127.	87.	125.	LOW	127.	121.	280.
9 33 33	-40.00	-.45	.41	3.85	-.2	.92	129.	65.	123.	LOW	126.	123.	279.
9 33 38	-40.00	-.27	.04	3.80	-.0	.70	126.	50.	127.	LOW	125.	124.	276.
9 33 43	-40.00	-.35	.27	3.86	.1	.81	128.	91.	128.	LOW	126.	125.	275.
9 73 48	-40.00	-.51	.20	3.83	0.0	.97	130.	145.	125.	LOW	125.	123.	270.
9 33 53	-40.00	-.33	.08	3.85	.1	.91	130.	110.	123.	LOW	125.	123.	273.
9 33 58	-40.00	-.78	.04	3.84	-.1	.79	128.	130.	126.	LOW	123.	125.	286.
9 34 8	-40.00	-.59	.22	3.81	0.0	.95	128.	70.	126.	LOW	125.	127.	280.
9 34 13	-40.00	-.20	0.00	3.85	.1	.88	128.	76.	127.	LOW	126.	127.	284.
9 34 18	-40.00	-.22	.22	3.86	.2	.94	128.	58.	127.	LOW	127.	125.	278.
9 34 23	-40.00	0.00	.31	3.81	.2	1.00	128.	87.	127.	LOW	126.	125.	273.
9 34 28	-40.00	-.33	.27	3.81	.2	.94	128.	104.	126.	LOW	126.	126.	273.
9 34 33	-40.00	-.08	.16	.93	-.1	.91	128.	54.	121.	LOW	126.	125.	276.
9 34 33	-40.00	-.31	.12	.98	-.1	.79	132.	120.	124.	LOW	[illegible]	126.	274.
9 34 38	-40.00	-.47	.27	1.00	-.0	1.00	134.	99.	121.	LOW	125.	125.	288.
9 34 43	-40.00	-.41	.29	1.02	.1	1.06	134.	124.	123.	LOW	126.	126.	288.
9 34 48	-40.00	-.39	.43	1.00	.1	1.06	142.	20.	128.	LOW	123.	125.	275.
9 34 53	-40.00	-.29	.33	1.01	.1	.97	143.	13.	128.	LOW	125.	126.	273.
9 34 58	-40.00	-.31	.43	1.01	.2	.94	142.	-14.	131.	LOW	125.	126.	282.
9 35 4	-40.00	-.41	.35	.87	.2	.92	142.	72.	127.	LOW	125.	126.	281.
9 35 9	-40.00	-.35	.35	.73	.1	.91	147.	216.	128.	LOW	125.	127.	296.
9 35 14	-40.00	-.23	.23	.73	.1	.88	150.	149.	128.	LOW	126.	126.	283.
9 35 19	-40.00	-.04	.20	.73	0.0	.73	150.	58.	127.	LOW	132.	123.	271.
9 35 24	-40.00	-.18	.18	.69	0.0	.51	150.	76.	127.	LOW	128.	121.	276.
9 35 29	-40.00	-.31	.08	.68	-.0	.73	157.	128.	132.	LOW	128.	127.	275.
9 35 34	-40.00	-.33	.25	.70	.1	.82	166.	88.	130.	LOW	126.	124.	276.
9 35 39	-40.00	-.31	.35	.73	.1	.85	168.	15.	128.	LOW	125.	125.	274.
9 35 44	-40.00	-.33	.29	.74	.0	.00	169.	14.	128.	LOW	126.	124.	272.
9 35 49	-40.00	-.31	0.00	.69	-.0	.44	167.	152.	126.	LOW	125.	126.	293.
9 35 54	-40.00	-.25	.08	.69	-.0	.51	158.	179.	126.	LOW	124.	124.	291.
9 35 59	-40.00	-.27	-.04	.67	-.3	.78	170.	139.	128.	LOW	127.	128.	294.
9 36 4	-40.00	-.25	-.20	.68	-.1	.73	173.	138.	127.	LOW	127.	126.	285.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX MSUB NLET	EC 57 PRESS RAM AR PRIMRY MX MSUB NLET	EC 58 PRESS RAM AR PRIMRY MX MSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 60 PRESS STATIC PRIMRY MX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/M	PR 26 TEMP SURFAC AUX LIP L/M	PR 27A TEMP SURFAC COWL LIP L/M 25 DEG	PR 27J TEMP SURFAC COWL LIP L/M 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 15 TEMP CSD L/HEMS
07													
9 36 9	-40.00	-.31	.15	.76	-.1	.76	172.	152.	128.	LOW	125.	121.	295.
9 36 14	-40.08	-.39	.22	.73	-.0	.76	170.	182.	127.	LOW	125.	128.	293.
9 36 19	-40.00	-.20	.39	.72	.2	1.00	172.	217.	128.	LOW	128.	128.	295.
9 36 24	-40.80	-.25	.20	.70	.1	.78	174.	160.	127.	LOW	128.	128.	286.
9 36 29	-48.80	-.43	.35	.69	.1	.91	176.	61.	129.	LOW	128.	132.	289.
9 36 34	-40.08	-.39	.31	.67	.8	.78	176.	42.	127.	LOW	127.	127.	291.
9 36 44	-40.08	-.23	.31	.67	-.1	.82	175.	208.	128.	LOW	127.	128.	301.
9 36 49	-40.08	-.33	.29	.66	.8	.75	175.	226.	125.	LOW	126.	126.	297.
9 36 54	-40.00	-.78	.12	.68	8.8	.79	179.	121.	126.	LOW	126.	119.	280.
9 36 59	-40.08	-.41	.12	.72	-.1	.78	178.	88.	127.	LOW	128.	124.	281.
9 37 4	-40.80	-.94	.12	.67	-.8	.82	180.	120.	126.	LOW	125.	123.	282.
9 37 9	-40.00	-.78	.23	.69	.1	.82	181.	45.	127.	LOW	126.	125.	288.
9 37 9	-40.00	0.00	.51	.71	-.0	1.09	176.	206.	127.	LOW	127.	129.	302.
9 37 14	-40.00	-.31	.53	.69	0.0	.95	179.	224.	127.	LOW	127.	130.	299.
9 37 19	-40.68	0.00	.31	.73	-.8	1.09	180.	176.	127.	LOW	127.	126.	298.
9 37 24	-40.00	-.08	.25	.69	-.0	.91	180.	149.	126.	LOW	127.	124.	292.
9 37 29	-48.00	-.51	.31	.67	.1	.82	181.	156.	125.	LOW	128.	126.	286.
9 77 34	-40.00	-.45	.23	.72	-.1	.70	182.	133.	126.	LOW	125.	121.	285.
9 37 48	-40.80	-.66	.23	.95	.2	.70	182.	180.	127.	LOW	128.	121.	280.
9 37 45	-40.00	-.43	.18	.92	.1	.75	182.	142.	126.	LOW	127.	123.	281.
9 37 58	-40.80	-.23	.35	1.03	.1	.70	185.	147.	127.	LOW	127.	122.	280.
9 37 55	-40.08	-.29	.22	.98	-.0	.63	185.	72.	128.	LOW	128.	125.	282.
9 38 0	-40.68	-.35	.08	.90	-.3	.78	180.	149.	126.	LOW	116.	126.	300.
9 38 5	-40.88	-.31	.04	.95	-.2	.78	182.	141.	128.	LOW	123.	130.	296.
9 38 10	-40.80	-.28	.08	.94	0.8	.70	183.	148.	128.	LOW	127.	125.	287.
9 38 15	-40.80	-.33	.05	.94	-.0	.75	184.	92.	127.	LOW	127.	123.	285.
9 38 20	-40.60	-.23	.12	.97	.1	.44	182.	256.	126.	LOW	128.	128.	307.
9 38 25	-40.80	-.12	.25	.90	-.0	.69	182.	256.	127.	LOW	128.	128.	306.
9 38 30	-48.08	-.74	.12	.97	0.0	.79	183.	237.	124.	LOW	123.	121.	303.
9 38 35	-40.00	-.43	.27	.98	.1	.87	194.	179.	124.	LOW	125.	123.	295.
9 38 40	-40.00	-.04	.39	.98	.2	1.03	193.	265.	126.	LOW	127.	116.	300.
9 38 45	-40.80	-.02	.37	.90	.1	.85	184.	211.	126.	LOW	126.	117.	296.
9 38 50	-48.08	.04	.20	.95	.3	.85	186.	54.	130.	LOW	129.	131.	289.
9 38 55	-40.00	-.02	.27	.95	.1	.89	187.	116.	133.	LOW	127.	130.	291.
9 39 0	-48.00	-.12	.31	.93	.2	1.11	182.	209.	127.	LOW	127.	125.	291.
9 39 5	-40.00	-.10	.33	.90	.2	1.01	183.	234.	126.	LOW	127.	124.	294.
9 39 10	-40.08	-.51	.27	.95	.1	.82	187.	66.	128.	LOW	128.	130.	287.
9 39 20	-40.88	-.39	.35	.97	.2	.87	188.	183.	138.	LOW	129.	130.	298.
9 39 28	-48.08	-.06	.15	.95	.1	.65	185.	142.	127.	LOW	127.	127.	288.
9 47 5	-40.00	-.57	.15	1.01	.2	.67	181.	152.	130.	LOW	128.	131.	293.
9 47 11	-40.08	-.27	.12	.90	.1	.82	176.	198.	124.	LOW	123.	126.	324.
9 47 16	-40.00	-.14	.20	.97	.1	.87	176.	194.	127.	LOW	126.	130.	314.
9 48 25	-40.08	-.88	.31	.94	.1	.94	178.	112.	125.	LOW	128.	125.	319.
9 48 38	-40.00	-.82	.33	.94	.0	1.00	176.	294.	126.	LOW	129.	127.	312.
9 48 35	-40.00	-.23	.31	.98	-.0	.73	176.	294.	127.	LOW	130.	130.	300.
10 0 22	-48.00	-.23	.27	.93	.0	.75	175.	147.	127.	LOW	131.	127.	313.
10 0 27	-40.88	0.00	.59	1.21	-.4	.91	170.	194.	134.	LOW	138.	132.	311.
10 0 32	-48.00	-.25	.35	1.39	.0	.85	171.	123.	132.	LOW	131.	130.	312.
10 8 37	-40.00	0.00	.27	1.59	0.0	.79	172.	308.	121.	LOW	128.	128.	322.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY MX MSUB NLET	EC 57 PRESS RAM AR PRIMRY MX MSUB NLET	EC 58 PRESS RAM AR PRIMRY MX MSUB NLET	EC 59 PRESS STATIC PRIMRY MX HEADER INLET	EC 60 PRESS STATIC PRIMRY MX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 29 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 15 TEMP CSJ L/HENG
07													
10 0 42	-40.00	-.08	.27	1.60	.0	.81	171.	304.	118.	LOW	128.	128.	320.
10 0 47	-40.00	-.03	.27	1.60	.2	.56	172.	194.	125.	LOW	124.	134.	330.
10 0 52	-40.00	-.47	.18	1.65	.3	.79	172.	245.	126.	LOW	126.	130.	322.
10 0 57	-40.00	.31	.47	1.64	.0	.94	173.	310.	123.	LOW	128.	132.	320.
10 1 2	-40.00	-.02	.29	1.65	.1	.89	173.	253.	126.	LOW	129.	127.	317.
10 1 12	-40.00	.26	.47	1.62	-.3	.97	174.	176.	129.	LOW	131.	124.	312.
10 1 17	-40.00	-.10	.22	1.75	-.1	.89	173.	230.	129.	LOW	131.	127.	311.
10 1 22	-40.00	.16	.43	2.01	-.1	.85	174.	160.	132.	LOW	130.	128.	311.
10 1 27	-40.00	-.08	.25	2.07	.1	.82	175.	198.	130.	LOW	130.	126.	312.
10 1 32	-40.00	-.16	.47	2.16	.1	1.06	176.	158.	134.	LOW	131.	128.	314.
10 1 32	-40.00	-.35	.23	2.17	-.0	.85	176.	134.	130.	LOW	133.	129.	314.
10 1 42	-40.00	-.43	.31	2.15	.2	.94	170.	158.	131.	LOW	130.	128.	309.
10 1 42	-40.00	-.35	.22	2.34	.1	.69	171.	222.	127.	LOW	129.	135.	316.
10 1 47	-40.00	-.35	.43	2.74	.0	.88	175.	200.	128.	LOW	136.	125.	307.
10 1 52	-40.00	-.43	.35	2.68	.1	.95	176.	198.	129.	LOW	131.	125.	310.
10 1 57	-40.00	-.12	.27	2.63	-.1	1.00	174.	250.	125.	LOW	125.	134.	327.
10 2 2	-40.00	-.06	.39	2.61	0.0	.98	173.	229.	125.	LOW	127.	137.	327.
10 2 7	-40.00	-.23	.27	2.61	-.1	.73	177.	123.	125.	LOW	132.	132.	332.
10 2 13	-40.00	-.23	.33	2.59	.0	.89	178.	139.	124.	LOW	130.	135.	331.
10 2 18	-40.00	-.27	.39	2.52	.1	1.06	172.	46.	125.	LOW	128.	134.	324.
10 2 23	-40.00	-.14	.41	2.54	0.0	.98	177.	66.	125.	LOW	128.	130.	320.
10 2 28	-40.00	-.51	-.04	2.03	.3	.88	179.	143.	127.	LOW	134.	133.	304.
10 2 33	-40.00	-.39	.04	1.41	.2	.87	175.	107.	128.	LOW	132.	132.	312.
10 2 38	-40.00	-.59	.55	.78	.2	.91	177.	87.	127.	LOW	129.	128.	307.
10 2 43	-40.00	-.33	.41	.76	.1	.92	177.	135.	126.	LOW	130.	130.	321.
10 42 48	-40.00	0.00	.43	.75	-.3	.91	178.	116.	132.	LOW	131.	129.	330.
10 2 53	-40.00	-.14	.35	.73	0.0	.98	179.	132.	129.	LOW	129.	132.	330.
10 2 58	-40.00	-.27	.31	.71	-.2	.76	178.	141.	127.	LOW	116.	134.	334.
10 3 3	-40.00	-.55	.29	.72	.0	.91	180.	107.	128.	LOW	124.	130.	327.
10 43 8	-40.00	-.31	.31	.75	.2	.91	179.	74.	129.	LOW	132.	128.	326.
10 3 13	-40.00	-.33	.22	.73	.1	.78	176.	166.	128.	LOW	132.	126.	318.
10 3 18	-40.00	-.27	0.00	.90	-.2	.82	178.	238.	125.	LOW	130.	129.	316.
10 3 23	-40.00	-.27	.08	.97	-.1	.89	177.	174.	127.	LOW	131.	126.	316.
10 3 28	-40.00	-.20	.27	1.01	.0	.85	177.	191.	128.	LOW	140.	123.	309.
10 3 33	-40.00	-.12	.33	1.01	0.0	.79	178.	120.	128.	LOW	136.	123.	314.
10 3 38	-40.00	-.08	.35	1.01	.1	1.26	181.	65.	128.	LOW	131.	126.	323.
10 43 48	-40.00	-.12	.33	1.02	.1	.73	180.	159.	125.	LOW	128.	131.	325.
10 3 53	-40.00	-.47	.16	.43	.3	.85	179.	214.	127.	LOW	129.	126.	339.
10 3 58	-40.00	-.33	.23	.28	.2	.76	177.	231.	124.	LOW	129.	128.	334.
10 4 3	-40.00	-.31	.20	.03	0.0	.73	172.	LOW	130.	LOW	127.	123.	325.
10 4 8	-40.00	-.25	.25	.04	-.1	.63	172.	*000000.	128.	LOW	127.	126.	325.
10 4 8	-40.00	-.12	.20	0.00	-.1	.41	170.	39.	126.	LOW	128.	128.	319.

C COMMUTATOR

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
8 57 9	117.	117.	130.	119.	118.	-23.	5.4	103.4	39.	101.	24.	.04	2.
8 57 14	117.	117.	130.	118.	118.	-22.	4.6	103.0	54.	101.	29.	.03	2.
8 57 19	117.	117.	130.	119.	119.	-25.	3.3	102.5	49.	101.	10.	0.00	-1.
8 57 24	117.	116.	131.	119.	118.	-25.	4.2	102.9	61.	100.	17.	0.00	-0.
8 57 29	117.	117.	131.	118.	117.	-25.	5.4	102.1	39.	101.	-10.	.12	-0.
8 57 39	117.	117.	132.	118.	118.	-26.	5.4	102.3	51.	100.	0.	.12	0.
8 57 49	117.	117.	134.	119.	118.	-25.	5.4	103.2	26.	101.	0.	.09	0.
8 57 54	116.	117.	134.	119.	119.	-24.	5.1	103.2	27.	100.	0.	.07	0.
8 57 59	117.	117.	134.	118.	118.	-23.	6.4	104.3	15.	101.	34.	.03	1.
8 58 4	117.	117.	134.	118.	118.	-26.	4.9	103.3	27.	101.	24.	.06	0.
8 58 9	117.	117.	135.	119.	118.	-23.	5.4	103.1	44.	100.	20.	-.01	0.
8 58 9	117.	116.	137.	119.	119.	-22.	5.1	102.9	29.	100.	12.	.05	-0.
8 58 14	118.	116.	137.	119.	119.	-23.	5.9	103.4	5.	101.	18.	.04	2.
8 58 19	117.	116.	136.	119.	119.	-28.	5.6	102.6	22.	101.	24.	.01	0.
8 58 24	116.	117.	137.	119.	119.	-25.	5.4	101.0	-5.	101.	29.	.13	1.
8 58 29	117.	117.	137.	117.	119.	-24.	5.4	101.9	32.	100.	34.	.07	0.
8 58 34	117.	116.	138.	118.	118.	-22.	6.4	104.0	20.	102.	15.	.10	2.
8 58 40	117.	117.	138.	120.	119.	-23.	5.6	103.7	24.	102.	2.	.10	1.
8 58 45	116.	117.	138.	121.	118.	-23.	5.9	103.7	49.	101.	24.	.07	3.
8 58 50	120.	117.	138.	118.	118.	-27.	5.6	103.3	27.	101.	17.	.03	2.
8 58 55	119.	117.	138.	118.	118.	-27.	5.4	102.2	54.	101.	20.	-.04	0.
8 59 0	117.	118.	144.	121.	117.	-29.	5.1	102.2	49.	101.	17.	.02	0.
8 59 5	117.	117.	141.	120.	117.	-28.	5.9	102.6	44.	100.	20.	.04	2.
8 59 10	117.	118.	139.	120.	119.	-22.	5.9	102.4	32.	101.	10.	.07	0.
8 59 15	117.	118.	138.	119.	118.	-23.	7.8	102.9	54.	100.	15.	.06	-0.
8 59 20	117.	123.	139.	119.	117.	-20.	7.1	101.8	37.	100.	27.	.08	-0.
9 10 18	117.	120.	142.	119.	118.	-8.	5.4	103.5	34.	101.	20.	.03	2.
9 10 23	117.	119.	140.	120.	119.	4.	5.4	100.5	20.	98.	15.	.02	3.
9 10 28	117.	118.	140.	120.	120.	2.	5.9	87.4	73.	81.	15.	.07	0.
9 10 33	119.	118.	140.	121.	117.	-10.	6.1	82.8	42.	81.	20.	.05	3.
9 10 38	118.	117.	140.	120.	118.	-5.	4.4	83.4	5.	81.	-20.	0.00	4.
9 10 43	116.	117.	145.	119.	121.	4.	5.9	83.9	0.	81.	-15.	.02	4.
9 10 53	117.	117.	145.	119.	120.	-1.	5.8	82.1	5.	83.	0.	.15	0.
9 10 58	117.	117.	147.	120.	119.	0.	6.4	84.2	0.	82.	2.	.09	-0.
9 11 3	118.	118.	147.	119.	119.	0.	5.9	85.0	-34.	81.	-24.	.04	0.
9 11 3	118.	118.	147.	118.	121.	-2.	5.6	85.5	-12.	81.	-7.	.11	-2.
9 51 8	117.	118.	140.	119.	120.	-2.	5.4	84.8	24.	81.	5.	-.04	0.
9 11 13	119.	118.	141.	119.	117.	0.	6.8	79.9	29.	81.	17.	-.04	0.
9 11 23	118.	117.	143.	119.	118.	0.	5.4	75.5	-24.	83.	0.	.22	1.
9 11 28	117.	117.	140.	119.	121.	0.	5.9	74.6	-12.	81.	0.	.18	2.
9 11 28	116.	117.	143.	118.	120.	0.	5.8	74.5	-5.	80.	39.	.26	3.
9 11 33	117.	117.	140.	119.	119.	0.	6.1	74.7	2.	81.	34.	.10	2.
9 11 38	117.	117.	140.	119.	118.	-1.	11.7	74.8	-44.	82.	-18.	.21	3.
9 11 43	116.	117.	146.	119.	119.	-4.	9.0	75.1	-24.	83.	-27.	.23	3.
							5.4	75.1	10.	83.	0.	.18	-0.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
08													
9 51 48	118.	117.	145.	119.	119.	-3.	5.1	75.4	10.	83.	0.	.07	2.
9 11 53	117.	116.	144.	118.	118.	4.	5.4	75.1	0.	84.	-10.	.09	4.
9 51 58	117.	117.	144.	117.	118.	2.	5.1	75.6	2.	84.	7.	.04	1.
9 12 4	122.	117.	146.	118.	117.	4.	5.4	78.0	-24.	84.	10.	.04	0.
9 12 9	120.	118.	145.	118.	119.	2.	4.9	77.6	-12.	84.	2.	-.01	1.
9 12 14	117.	117.	144.	118.	119.	0.	5.4	76.8	15.	84.	-10.	0.00	2.
9 12 19	117.	118.	145.	119.	119.	0.	5.9	77.1	24.	83.	10.	.15	1.
9 12 24	117.	120.	145.	119.	116.	16.	4.9	76.5	-20.	83.	0.	.23	4.
9 12 29	118.	119.	143.	120.	118.	8.	5.1	76.5	-12.	83.	5.	.34	3.
9 12 34	117.	116.	146.	119.	118.	-2.	5.4	76.1	24.	83.	49.	.31	3.
9 12 39	117.	118.	145.	119.	119.	5.	5.9	74.5	1486.	82.	1290.	.25	3.
9 12 44	123.	117.	141.	120.	119.	500.	5.8	76.0	2889.	80.	2879.	-.15	4.
9 12 49	131.	118.	144.	119.	119.	773.	5.8	75.7	2889.	81.	2871.	-.20	6.
9 12 54	143.	118.	143.	119.	120.	1065.	5.9	73.8	2952.	81.	2923.	-.46	16.
9 12 59	145.	117.	145.	119.	119.	1090.	5.9	75.8	2969.	82.	2928.	-.31	16.
9 13 4	150.	117.	143.	121.	119.	1110.	5.4	75.8	2967.	83.	2967.	.22	21.
9 13 9	149.	118.	143.	118.	119.	1107.	6.4	76.5	3038.	84.	2972.	.29	27.
9 13 14	161.	119.	144.	119.	119.	1107.	8.3	77.9	2977.	79.	2854.	.45	47.
9 13 19	165.	119.	144.	119.	120.	1107.	8.6	77.3	2686.	79.	2823.	.21	49.
9 13 29	168.	121.	144.	116.	120.	1110.	3.4	76.5	2923.	80.	3055.	.07	53.
9 13 34	161.	121.	144.	118.	119.	1111.	8.6	77.1	3001.	80.	2979.	.33	52.
9 13 39	148.	121.	144.	121.	118.	1110.	5.9	75.5	3025.	80.	2977.	.21	51.
9 13 39	146.	121.	144.	121.	118.	1112.	7.3	76.4	3052.	81.	2945.	.06	53.
9 13 44	143.	121.	145.	118.	120.	1110.	4.4	77.3	2933.	80.	2908.	.03	54.
9 13 49	143.	121.	144.	119.	120.	1110.	5.8	.8	2972.	80.	2972.	.13	57.
9 13 59	139.	118.	144.	121.	119.	1109.	8.4	7..0	3025.	80.	2947.	-.23	58.
9 14 12	138.	121.	144.	121.	119.	1110.	7.6	77.0	2981.	81.	2979.	-.12	56.
9 14 9	136.	125.	146.	123.	119.	1110.	5.9	76.4	2996.	81.	3011.	-.10	57.
9 14 9	135.	123.	145.	122.	120.	1106.	5.9	76.5	2972.	81.	2952.	.01	58.
9 14 14	126.	116.	145.	123.	120.	1110.	5.8	75.1	2981.	83.	3001.	0.00	56.
9 14 19	130.	121.	143.	123.	119.	1113.	6.8	76.5	3006.	83.	2986.	.05	54.
9 14 24	135.	128.	145.	124.	120.	1120.	2.9	76.8	3055.	82.	3021.	.09	53.
9 14 29	134.	128.	144.	124.	120.	1114.	5.1	78.2	3008.	83.	2989.	.04	55.
9 14 34	134.	128.	144.	124.	119.	1114.	9.3	78.9	3034.	82.	2947.	.12	59.
9 14 40	134.	130.	144.	124.	119.	1111.	9.3	77.5	3011.	82.	2986.	.18	58.
9 14 45	126.	129.	143.	123.	120.	1109.	8.8	80.1	3035.	85.	2988.	.18	60.
9 14 50	130.	130.	147.	123.	120.	1112.	5.4	78.2	2984.	84.	2959.	.00	50.
9 14 55	134.	135.	145.	125.	121.	1120.	7.8	75.7	2942.	83.	3006.	.03	58.
9 15 0	135.	134.	145.	126.	121.	1116.	6.4	76.8	2964.	82.	2999.	-.04	56.
9 15 5	136.	135.	141.	125.	121.	1112.	7.3	80.1	3065.	83.	2933.	.04	57.
9 15 10	137.	134.	143.	125.	121.	1110.	7.6	79.8	3021.	83.	2920.	.01	56.
9 15 15	138.	136.	146.	125.	119.	1114.	6.4	77.6	3001.	84.	3030.	-.10	55.
9 15 20	138.	136.	147.	126.	119.	1116.	5.4	77.6	2972.	84.	3018.	-.05	55.
9 15 25	137.	137.	145.	127.	122.	1101.	5.9	76.2	2957.	83.	2986.	.04	57.
9 15 30	137.	137.	145.	126.	121.	1104.	7.1	76.5	2964.	83.	2979.	.02	57.
9 15 35	137.	139.	145.	127.	124.	1109.	5.8	77.4	2981.	84.	3035.	-.01	54.
9 15 40	137.	139.	145.	127.	123.	1111.	6.1	78.7	2962.	84.	3001.	-.10	53.
9 15 45	139.	138.	148.	126.	125.	1114.	1.0	78.9	2967.	84.	3030.	.12	53.
9 15 50	142.	140.	148.	127.	125.	1111.	2.2	78.2	2977.	84.	3018.	-.04	55.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 57 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
08													
9 15 55	145.	149.	150.	121.	128.	1093.	5.8	78.4	3011.	83.	3058.	-.01	55.
9 16 5	142.	141.	140.	125.	127.	1103.	5.4	79.0	3028.	84.	3025.	0.00	55.
9 16 10	140.	134.	143.	119.	126.	1114.	7.8	81.5	2933.	84.	3016.	-.10	55.
9 16 10	139.	136.	145.	120.	129.	1115.	7.8	80.6	2950.	83.	3057.	.07	55.
9 16 15	131.	140.	147.	122.	129.	1114.	12.2	78.6	3099.	84.	3060.	.56	56.
9 16 20	138.	141.	146.	121.	128.	1116.	11.8	79.4	3058.	83.	3011.	.54	56.
9 16 25	149.	149.	150.	131.	127.	1097.	6.8	77.7	3143.	84.	2893.	.65	54.
9 16 35	144.	145.	149.	129.	127.	1107.	3.2	78.2	3096.	84.	2889.	.23	56.
9 16 40	147.	142.	147.	126.	123.	1114.	8.3	80.2	3021.	84.	3104.	-.41	53.
9 16 45	150.	149.	151.	127.	122.	1117.	7.6	79.8	3047.	84.	3050.	.05	53.
9 16 45	147.	148.	147.	116.	127.	1062.	6.8	79.5	3038.	84.	2889.	.38	59.
9 16 50	148.	145.	147.	117.	127.	1085.	7.1	78.1	3048.	83.	2859.	.15	59.
9 16 55	150.	149.	149.	130.	123.	1093.	5.4	78.6	2986.	84.	3065.	-.53	58.
9 17 0	154.	151.	149.	128.	123.	1102.	5.9	79.4	2942.	83.	3140.	-.31	58.
9 17 5	149.	150.	149.	136.	123.	1114.	7.3	80.2	2903.	84.	3074.	.41	56.
9 17 10	148.	147.	146.	130.	123.	1109.	5.9	79.8	3006.	85.	3050.	.19	55.
9 17 16	162.	156.	150.	133.	121.	1112.	6.8	79.9	2967.	85.	2913.	.35	55.
9 17 21	160.	158.	151.	134.	122.	1116.	9.3	80.1	3033.	86.	2923.	.31	55.
9 17 26	155.	152.	147.	134.	123.	1110.	4.9	80.2	3084.	84.	2848.	-.55	63.
9 17 31	155.	152.	147.	129.	125.	1114.	5.4	80.4	3038.	84.	2886.	-.11	62.
9 17 36	155.	146.	147.	127.	124.	1101.	11.2	80.4	3128.	84.	2903.	-.25	64.
9 17 41	156.	151.	150.	131.	124.	1109.	8.8	80.5	3047.	85.	3023.	-.04	62.
9 17 46	162.	162.	150.	139.	121.	1110.	4.9	80.5	3050.	87.	2828.	-.29	63.
9 17 51	165.	161.	150.	137.	123.	1109.	2.2	79.7	3039.	86.	2908.	-.06	60.
9 17 56	164.	165.	152.	139.	125.	1110.	5.9	82.3	3038.	87.	3016.	0.00	57.
9 18 1	160.	157.	149.	133.	126.	1112.	5.9	80.9	3016.	87.	2930.	-.21	58.
9 18 6	162.	147.	151.	141.	121.	1110.	8.8	79.9	3069.	85.	2815.	.29	59.
9 18 11	167.	155.	150.	135.	124.	1080.	6.8	80.1	3025.	86.	2847.	-.03	60.
9 18 16	164.	154.	148.	133.	123.	1107.	7.3	79.3	2937.	85.	3138.	.22	57.
9 18 21	163.	149.	147.	127.	126.	1106.	3.4	80.4	2934.	86.	3006.	-.07	58.
9 18 26	157.	156.	149.	136.	124.	1107.	5.8	79.6	2962.	84.	3143.	.28	56.
9 18 31	164.	161.	150.	138.	125.	1109.	5.8	80.5	2962.	85.	3104.	-.07	58.
9 18 41	166.	158.	149.	134.	126.	1112.	7.3	79.5	3030.	85.	2908.	.16	58.
9 18 41	167.	154.	148.	129.	127.	1109.	6.6	80.5	3057.	85.	2908.	.13	57.
9 18 46	169.	149.	145.	123.	128.	1105.	3.9	79.8	3099.	86.	2869.	-.29	56.
9 18 51	168.	158.	149.	132.	128.	1139.	5.9	80.1	3047.	85.	3028.	-.12	51.
9 18 56	177.	172.	150.	139.	127.	1118.	7.3	81.4	2981.	86.	3038.	.40	57.
9 19 1	178.	169.	150.	138.	127.	1113.	7.1	80.6	3013.	85.	2981.	.13	56.
9 19 11	177.	168.	152.	138.	130.	1109.	4.9	79.6	3109.	86.	2893.	.01	58.
9 19 16	178.	168.	149.	135.	129.	1110.	3.9	80.3	3038.	86.	2940.	.15	54.
9 19 21	178.	156.	147.	126.	128.	1105.	6.8	80.8	2923.	86.	2977.	.12	57.
9 19 26	173.	160.	148.	135.	127.	1109.	7.6	80.4	2937.	85.	3067.	.03	59.
9 19 26	176.	158.	149.	134.	125.	1101.	5.8	81.2	2928.	85.	3021.	.10	59.
9 19 31	173.	156.	149.	134.	127.	1103.	5.4	80.5	2928.	86.	2955.	-.18	59.
9 19 36	171.	156.	149.	129.	130.	1112.	6.8	83.3	2903.	87.	3218.	-.13	59.
9 19 41	179.	162.	149.	133.	129.	1111.	7.3	83.4	2959.	86.	3158.	-.18	58.
9 19 46	178.	161.	147.	126.	135.	1107.	8.3	82.7	2952.	87.	2835.	-.04	59.
9 19 59	180.	161.	147.	125.	133.	1106.	7.3	83.3	2952.	86.	2940.	-.12	60.
9 19 57	176.	158.	149.	128.	130.	1101.	3.9	82.0	2908.	87.	3102.	.35	58.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFACE SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
0 R													
9 20 2	178.	157.	150.	135.	123.	1135.	5.9	81.2	2981.	87.	3162.	.03	56.
9 20 7	181.	154.	147.	123.	129.	1110.	7.3	81.8	3006.	86.	2796.	-.70	59.
9 20 12	184.	160.	150.	129.	129.	1111.	5.4	81.7	3059.	86.	2835.	-.71	60.
9 20 17	176.	157.	150.	131.	127.	1114.	4.4	83.3	2854.	86.	3162.	-.85	61.
9 20 22	184.	165.	150.	131.	128.	1113.	5.1	82.7	2879.	87.	3079.	-.43	61.
9 20 27	194.	170.	151.	129.	131.	1114.	4.4	81.8	2869.	87.	3236.	-.25	60.
9 20 32	192.	171.	150.	132.	130.	1116.	4.4	82.7	3006.	87.	3069.	-.24	59.
9 20 37	196.	168.	149.	126.	128.	1093.	2.0	82.6	2972.	86.	2933.	-.43	51.
9 20 42	188.	163.	149.	129.	129.	1098.	.7	82.5	3050.	86.	2903.	-.03	54.
9 20 47	191.	175.	148.	139.	127.	1116.	3.9	81.2	2981.	87.	3060.	-.15	56.
9 20 52	187.	169.	149.	137.	127.	1089.	6.4	81.9	2962.	86.	3155.	-.21	59.
9 20 57	194.	171.	152.	132.	130.	1112.	5.4	82.3	3113.	85.	2933.	.07	54.
9 21 2	193.	170.	153.	137.	129.	1114.	6.1	81.5	3030.	86.	3038.	-.06	49.
9 21 7	194.	167.	150.	128.	133.	1110.	6.4	85.6	3157.	89.	2981.	-.72	42.
9 21 17	195.	170.	151.	132.	132.	1114.	6.8	83.4	3096.	87.	2938.	-.26	50.
9 21 17	188.	163.	150.	129.	134.	1107.	5.4	82.8	2933.	88.	3011.	-.19	58.
9 21 22	188.	163.	151.	132.	132.	1108.	6.6	82.5	2937.	87.	3082.	.22	57.
9 21 27	198.	169.	152.	138.	129.	1116.	-.5	83.3	3021.	87.	2815.	-.03	61.
9 21 32	195.	168.	152.	137.	129.	1114.	2.2	82.9	2974.	87.	2889.	-.23	59.
9 21 37	187.	156.	150.	129.	132.	1110.	3.4	83.1	2942.	86.	3055.	-.50	59.
9 61 47	189.	160.	150.	134.	130.	1110.	3.4	83.2	3052.	88.	2999.	-.41	59.
9 21 52	189.	157.	151.	143.	133.	1107.	5.4	83.7	3211.	87.	3011.	-.47	56.
9 21 57	193.	167.	153.	142.	138.	1113.	3.7	83.4	3189.	87.	2972.	-.21	56.
9 22 2	196.	165.	151.	132.	146.	1110.	3.4	86.1	3006.	87.	2996.	.22	60.
9 22 2	196.	164.	150.	128.	144.	1110.	4.9	85.5	3038.	86.	2959.	.09	59.
9 22 7	191.	160.	149.	131.	144.	1107.	7.3	83.7	3006.	88.	3109.	-.23	55.
9 22 12	192.	160.	149.	127.	145.	1109.	5.9	81.7	2964.	88.	3028.	-.01	54.
9 22 17	188.	166.	149.	128.	144.	1112.	3.4	83.3	2937.	88.	2957.	-.22	56.
9 22 22	195.	166.	148.	127.	149.	1113.	4.4	83.6	2937.	87.	3013.	-.05	55.
9 22 35	197.	160.	149.	125.	154.	1110.	5.9	84.8	3172.	86.	2908.	.01	56.
9 22 33	190.	161.	148.	123.	152.	1107.	3.7	85.6	3109.	87.	2938.	-.02	57.
9 22 38	196.	170.	153.	138.	147.	1122.	5.9	84.5	3089.	87.	2893.	0.00	54.
9 22 43	199.	171.	153.	138.	145.	1111.	3.7	84.2	3045.	89.	2962.	.14	54.
9 62 48	195.	158.	150.	127.	147.	1105.	3.9	83.3	2977.	90.	3011.	.04	39.
9 22 53	198.	163.	150.	127.	147.	1109.	4.6	83.0	2913.	89.	3074.	-.05	48.
9 22 58	200.	172.	150.	126.	147.	1118.	2.0	84.5	2903.	90.	3038.	.07	52.
9 23 3	203.	175.	151.	131.	147.	1122.	2.9	84.4	2979.	88.	2994.	.15	55.
9 63 8	210.	178.	152.	139.	145.	1109.	5.9	82.0	2859.	88.	2981.	0.00	59.
9 23 13	203.	174.	151.	135.	146.	1112.	5.6	83.1	2842.	88.	2984.	0.00	59.
9 23 18	202.	176.	150.	137.	152.	1126.	7.8	83.1	2967.	88.	3236.	-.03	57.
9 23 23	198.	173.	151.	134.	152.	1113.	5.6	83.7	2981.	87.	3094.	-.06	57.
9 23 28	194.	162.	152.	125.	152.	1112.	3.9	85.0	2967.	89.	3060.	-.22	55.
9 23 33	195.	161.	151.	126.	153.	1120.	5.1	84.9	3006.	89.	3050.	-.21	55.
9 23 38	194.	164.	150.	128.	153.	1107.	4.9	84.2	2967.	90.	3011.	.09	58.
9 23 43	195.	166.	150.	130.	155.	1112.	7.1	84.2	2986.	90.	3025.	.09	56.
9 63 48	205.	180.	152.	142.	155.	1120.	-.5	84.2	2854.	88.	2903.	-.37	57.
9 23 53	202.	171.	151.	132.	154.	1116.	1.7	85.2	2969.	88.	2947.	-.30	57.
9 23 58	196.	172.	151.	132.	155.	1107.	7.8	84.9	3128.	91.	2908.	-.01	55.
9 24 3	200.	176.	151.	130.	154.	1116.	7.3	85.2	3113.	90.	2938.	.04	55.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 23 TEMP SURFACE SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
9 24 8	199.	170.	150.	129.	154.	1101.	8.8	84.2	2838.	87.	2967.	-.19	55.
9 24 13	200.	167.	149.	126.	153.	1081.	7.1	85.8	2974.	87.	2937.	-.11	51.
9 24 23	202.	169.	150.	132.	154.	1107.	5.4	85.9	3104.	89.	3059.	-.07	59.
9 24 23	200.	165.	149.	134.	154.	1111.	5.8	82.6	3035.	88.	3013.	-.09	56.
9 28 16	215.	188.	152.	138.	158.	1136.	7.8	72.3	2991.	91.	3069.	.09	51.
9 28 21	210.	186.	152.	136.	154.	1131.	7.3	73.2	3062.	91.	3088.	.04	52.
9 28 34	204.	173.	151.	123.	147.	1120.	3.4	87.2	3045.	88.	3035.	.10	48.
9 28 31	205.	177.	150.	122.	146.	1122.	5.6	88.4	2994.	89.	2991.	.05	49.
9 28 36	198.	187.	152.	137.	141.	1130.	8.3	88.0	3001.	90.	2947.	-.07	48.
9 28 41	204.	186.	152.	137.	140.	1129.	3.9	88.9	3011.	90.	2940.	-.01	48.
9 28 46	209.	195.	152.	138.	141.	1130.	5.8	80.2	2972.	90.	3021.	0.00	53.
9 28 56	206.	185.	152.	134.	143.	1127.	5.1	85.6	2981.	90.	2986.	.06	53.
9 29 1	205.	173.	151.	127.	141.	1124.	7.3	81.1	3011.	91.	3065.	-.15	51.
9 29 6	205.	173.	150.	128.	141.	1124.	5.6	82.1	2989.	90.	3018.	-.12	50.
9 29 11	210.	180.	150.	132.	139.	1118.	7.3	93.3	3025.	90.	2981.	0.00	50.
9 29 16	209.	181.	151.	134.	140.	1123.	7.3	92.7	2986.	91.	2955.	-.03	58.
9 29 16	216.	191.	147.	137.	147.	1124.	8.8	87.2	2933.	92.	2996.	-.07	52.
9 29 21	210.	184.	149.	134.	152.	1128.	8.6	88.9	2986.	92.	2969.	-.15	49.
9 29 26	212.	187.	152.	134.	157.	1110.	5.9	78.2	3011.	90.	3021.	.04	46.
9 29 31	209.	184.	152.	132.	155.	1121.	5.9	85.4	3021.	91.	2979.	.08	46.
9 29 36	211.	180.	150.	130.	147.	1126.	3.4	85.5	3025.	90.	2903.	-.15	51.
9 29 41	206.	179.	152.	128.	145.	1122.	5.6	86.5	2994.	91.	2994.	-.10	47.
9 29 47	208.	178.	150.	125.	139.	1118.	3.9	79.5	2967.	90.	3011.	-.09	45.
9 29 52	208.	181.	151.	129.	139.	1124.	3.7	81.5	2967.	90.	3003.	-.06	46.
9 29 65	203.	178.	152.	126.	141.	1124.	9.3	81.5	3177.	91.	2952.	-.09	50.
9 30 2	205.	179.	151.	130.	139.	1124.	8.3	80.4	3025.	91.	2920.	-.05	49.
9 30 7	201.	178.	152.	129.	139.	1146.	6.8	94.1	2879.	91.	3001.	-.06	47.
9 30 12	202.	176.	153.	127.	138.	1137.	3.2	92.4	2889.	91.	2959.	-.01	48.
9 30 17	217.	190.	152.	141.	137.	1130.	5.8	83.7	2893.	91.	2983.	-.09	48.
9 30 22	213.	188.	153.	136.	135.	1129.	7.3	78.2	2893.	91.	2889.	-.04	46.
9 30 27	210.	194.	153.	136.	136.	1130.	5.9	73.6	2972.	93.	2977.	-.03	47.
9 30 32	209.	187.	152.	131.	142.	1124.	5.6	78.4	2962.	91.	2994.	-.11	46.
9 30 37	211.	189.	155.	138.	154.	1134.	5.9	81.2	2903.	91.	3011.	-.01	46.
9 30 42	209.	178.	152.	131.	155.	1121.	6.6	84.8	3006.	91.	2964.	.02	47.
9 30 47	209.	178.	152.	121.	158.	1120.	7.8	83.7	2986.	65.	2913.	-.15	39.
9 30 52	208.	179.	153.	123.	158.	1122.	8.3	88.1	2955.	65.	2842.	-.13	35.
9 30 57	210.	189.	152.	132.	160.	1134.	5.4	97.1	2942.	88.	2859.	0.00	50.
9 31 2	211.	190.	153.	133.	161.	1126.	4.9	93.9	2952.	81.	2937.	.02	49.
9 31 7	207.	185.	150.	128.	159.	1128.	5.4	93.8	2898.	95.	3138.	.18	47.
9 31 12	207.	182.	155.	126.	158.	1110.	6.0	98.1	2911.	94.	3011.	-.03	46.
9 31 17	210.	188.	152.	127.	157.	1120.	5.9	82.8	3001.	95.	2981.	-.03	49.
9 31 22	213.	191.	152.	131.	158.	1125.	7.1	82.0	3060.	95.	2957.	0.00	49.
9 71 32	217.	189.	152.	136.	158.	1144.	6.4	95.0	2942.	91.	3016.	-.12	48.
9 31 37	213.	192.	152.	138.	159.	1136.	6.1	92.1	2869.	92.	2952.	-.09	47.
9 31 42	210.	183.	153.	141.	159.	1130.	5.9	89.7	3025.	95.	2942.	-.12	48.
9 31 47	212.	191.	154.	139.	153.	1131.	5.3	87.1	3006.	95.	3082.	.18	50.
9 31 52	211.	189.	152.	138.	142.	1122.	8.8	83.8	2942.	94.	3089.	-.09	46.
9 31 57	210.	184.	151.	133.	141.	1123.	6.8	83.9	2947.	94.	3052.	.01	47.
9 31 57	209.	179.	152.	123.	138.	1120.	5.9	91.2	2893.	95.	2972.	.18	53.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 16 PRESS FUEL OIL COOLER OUTLET L/HENG
9 32 2	207.	180.	153.	124.	138.	1125.	5.8	91.6	2901.	94.	2969.	.20	50.
9 32 7	211.	183.	154.	130.	126.	1134.	9.3	90.8	2893.	93.	3060.	-.01	43.
9 32 12	214.	185.	153.	131.	130.	1134.	7.8	92.4	2955.	94.	3021.	-.18	40.
9 32 17	214.	186.	152.	135.	135.	1126.	4.9	90.0	3011.	94.	2893.	-.18	50.
9 32 22	211.	184.	153.	133.	135.	1130.	5.9	92.4	2979.	92.	2942.	-.12	50.
9 32 28	216.	186.	152.	137.	134.	1136.	5.9	92.2	2962.	93.	3030.	.22	44.
9 32 33	216.	189.	153.	136.	133.	1134.	7.3	91.9	2984.	93.	3057.	.10	45.
9 32 38	216.	189.	154.	127.	132.	1130.	6.4	90.8	3006.	92.	3011.	0.00	48.
9 32 43	214.	191.	153.	132.	133.	1133.	5.9	89.6	2989.	92.	3021.	.11	46.
9 72 48	213.	190.	152.	135.	134.	1122.	9.8	88.0	2986.	91.	2906.	0.00	44.
9 32 53	214.	189.	152.	133.	134.	1119.	6.5	89.9	2986.	92.	2974.	.03	44.
9 32 58	213.	183.	149.	133.	134.	1126.	5.4	82.1	3045.	92.	2986.	.35	46.
9 33 3	212.	186.	151.	132.	134.	1136.	6.6	87.6	2939.	93.	2986.	.29	49.
9 73 8	211.	183.	152.	130.	131.	1124.	8.3	91.6	2889.	92.	2952.	.06	46.
9 33 13	214.	188.	152.	133.	126.	1123.	7.1	87.8	2955.	94.	2986.	.04	49.
9 33 18	208.	178.	153.	125.	132.	1109.	5.8	91.9	3035.	94.	2967.	.13	48.
9 33 23	207.	179.	153.	127.	132.	1113.	7.3	89.6	3001.	94.	3033.	.15	49.
9 33 28	216.	199.	156.	139.	131.	1132.	5.9	91.2	2918.	93.	3089.	.44	43.
9 33 33	217.	193.	154.	136.	131.	1129.	5.4	91.1	2884.	93.	3043.	.19	46.
9 33 38	215.	187.	152.	130.	129.	1132.	1.5	91.5	2893.	95.	2908.	.16	36.
9 33 43	213.	185.	152.	127.	129.	1129.	4.4	88.7	2955.	94.	2958.	.15	41.
9 73 48	210.	178.	151.	127.	126.	1116.	7.8	84.5	2996.	92.	3038.	.26	47.
9 33 53	211.	182.	152.	127.	127.	1122.	5.8	88.6	2984.	93.	2999.	.43	47.
9 33 58	214.	193.	154.	135.	130.	1122.	3.9	92.1	2991.	94.	2937.	.70	50.
9 34 8	212.	186.	153.	130.	123.	1127.	4.4	86.7	2977.	93.	2974.	.37	48.
9 34 13	209.	198.	155.	141.	129.	1126.	7.8	93.0	2957.	94.	3011.	.57	49.
9 34 18	209.	193.	154.	136.	129.	1128.	5.6	88.3	2950.	93.	3021.	.29	47.
9 34 23	209.	183.	152.	127.	129.	1125.	5.9	86.7	3001.	93.	3128.	.25	48.
9 34 28	207.	183.	153.	125.	129.	1127.	6.8	85.5	2996.	92.	3079.	.33	48.
9 34 33	204.	178.	153.	132.	130.	1124.	5.8	84.9	3011.	94.	3021.	.04	43.
9 34 33	207.	178.	152.	128.	133.	1124.	7.8	89.9	2972.	94.	3025.	.06	46.
9 34 38	217.	198.	155.	141.	136.	1134.	6.8	92.7	3138.	94.	2952.	-.21	46.
9 34 43	217.	199.	155.	141.	137.	1136.	5.8	90.5	3062.	94.	3006.	-.10	47.
9 34 48	208.	183.	153.	125.	141.	1130.	8.3	88.7	2942.	92.	3025.	-.07	44.
9 34 53	207.	183.	153.	126.	141.	1125.	7.3	92.4	2937.	93.	3018.	-.07	46.
9 34 58	219.	194.	149.	134.	139.	1136.	3.4	93.7	2874.	93.	2972.	-.10	46.
9 35 4	215.	192.	152.	136.	141.	1137.	4.4	90.5	2959.	93.	2996.	-.14	44.
9 35 9	230.	199.	156.	136.	154.	1130.	5.9	96.0	3006.	94.	3068.	-.09	43.
9 35 14	219.	185.	153.	128.	157.	1123.	6.6	89.0	2996.	94.	3013.	-.05	47.
9 35 19	209.	173.	151.	125.	152.	1116.	5.9	84.9	3030.	94.	3006.	.03	50.
9 35 24	213.	182.	152.	130.	163.	1117.	7.3	88.1	3011.	94.	3008.	-.03	49.
9 35 29	211.	175.	149.	120.	167.	1122.	6.8	88.0	2898.	94.	2937.	.23	50.
9 35 34	213.	176.	151.	127.	167.	1122.	5.8	83.8	2974.	93.	2952.	.03	46.
9 35 39	210.	178.	152.	126.	166.	1093.	9.3	71.4	2561.	68.	3048.	.01	41.
9 35 44	210.	181.	151.	130.	169.	1109.	9.5	72.3	2490.	68.	2928.	-.03	44.
9 35 49	223.	202.	158.	150.	170.	1132.	6.4	72.0	2429.	68.	3021.	-.03	50.
9 35 54	222.	203.	157.	149.	170.	1132.	6.1	72.0	2392.	68.	2999.	-.01	50.
9 35 59	219.	196.	154.	138.	172.	1126.	3.4	89.6	2981.	96.	2962.	.01	48.
9 36 4	215.	186.	152.	129.	173.	1123.	4.9	88.9	2964.	95.	2967.	-.04	47.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/MENG	PR 29 TEMP SURFAC SPIKE T1P	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FRM FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/MENG
9 36 9	226.	209.	155.	150.	172.	1134.	7.8	88.7	2933.	94.	3035.	-.10	46.
9 36 14	223.	207.	154.	148.	173.	1129.	7.8	85.7	2923.	94.	3038.	-.10	47.
9 36 19	223.	201.	154.	147.	175.	1130.	6.8	83.1	2952.	94.	3065.	.03	51.
9 36 24	214.	188.	153.	136.	177.	1127.	7.3	82.6	2977.	94.	2981.	-.04	49.
9 36 29	216.	187.	154.	126.	178.	1134.	3.9	88.1	2957.	93.	3006.	-.07	49.
9 36 34	219.	196.	154.	137.	176.	1132.	5.4	86.2	2959.	93.	3006.	-.10	48.
9 36 44	223.	203.	157.	140.	177.	1138.	5.4	82.3	2967.	95.	2986.	.04	51.
9 36 49	223.	202.	156.	144.	176.	1123.	5.1	83.1	2974.	94.	3023.	-.04	47.
9 36 54	213.	188.	154.	138.	179.	1124.	5.8	89.0	3016.	94.	2962.	-.06	46.
9 36 59	210.	180.	153.	133.	180.	1125.	7.8	88.1	2954.	93.	2948.	-.03	49.
9 37 4	210.	180.	152.	132.	178.	1118.	6.4	82.1	2967.	93.	2942.	-.01	47.
9 37 9	209.	179.	151.	125.	180.	1125.	7.3	84.2	2950.	94.	2986.	.04	49.
9 37 9	219.	197.	156.	134.	183.	1124.	4.9	86.8	2933.	95.	3074.	.03	50.
9 37 14	220.	199.	156.	136.	179.	1130.	6.1	85.0	2942.	94.	3062.	-.05	48.
9 37 19	221.	196.	154.	134.	180.	1134.	3.9	83.9	2957.	94.	3035.	-.01	52.
9 37 24	217.	193.	154.	136.	180.	1131.	3.7	83.8	2950.	93.	2967.	-.03	51.
9 37 29	210.	187.	153.	139.	181.	1120.	5.9	88.9	3006.	93.	2942.	.01	44.
9 77 34	210.	185.	154.	130.	182.	1122.	5.8	87.0	2984.	93.	2938.	-.06	45.
9 37 40	206.	175.	149.	135.	183.	1118.	7.3	85.8	2933.	92.	2901.	-.12	46.
9 37 45	206.	178.	151.	134.	184.	1120.	7.0	85.3	2911.	92.	3006.	-.10	48.
9 37 50	214.	190.	154.	136.	183.	1134.	9.8	68.5	1931.	65.	2933.	.12	47.
9 37 55	210.	185.	152.	130.	185.	1133.	8.3	69.1	1943.	64.	2869.	.02	48.
9 38 0	221.	205.	158.	148.	183.	1134.	8.3	67.9	2151.	65.	2706.	-.10	47.
9 38 5	218.	197.	156.	139.	184.	1132.	7.3	75.2	2517.	80.	2889.	-.12	48.
9 38 10	211.	188.	154.	137.	184.	1124.	7.3	83.3	3025.	96.	2947.	-.10	42.
9 38 15	213.	187.	154.	142.	184.	1127.	6.6	75.7	3003.	81.	2857.	-.08	45.
9 38 20	224.	207.	156.	146.	183.	1130.	5.8	66.7	3084.	67.	2830.	0.00	46.
9 38 25	225.	205.	156.	147.	184.	1130.	6.3	66.9	2964.	66.	2857.	-.05	47.
9 38 30	221.	198.	156.	141.	183.	1120.	7.8	66.9	2996.	68.	2962.	0.00	30.
9 38 35	215.	193.	155.	138.	184.	1126.	8.6	74.5	2996.	82.	3013.	-.02	41.
9 38 40	224.	200.	155.	144.	182.	1126.	7.3	86.2	2996.	97.	3060.	-.13	53.
9 38 45	219.	198.	155.	142.	184.	1121.	8.1	86.4	2979.	95.	2986.	-.14	51.
9 38 50	209.	178.	152.	121.	183.	1120.	6.4	86.1	2977.	93.	2947.	-.01	47.
9 38 55	213.	181.	151.	122.	187.	1125.	2.9	84.4	2935.	93.	2974.	.03	49.
9 39 0	216.	191.	154.	145.	185.	1130.	6.8	86.2	2967.	95.	2972.	-.03	43.
9 39 5	219.	195.	155.	147.	184.	1131.	7.3	87.6	2991.	94.	2977.	0.00	48.
9 39 10	211.	175.	152.	127.	183.	1122.	8.3	88.1	3079.	93.	2986.	-.12	50.
9 39 20	215.	181.	152.	125.	187.	1124.	8.3	85.7	2994.	94.	2967.	-.03	50.
9 39 20	209.	182.	154.	136.	183.	1120.	5.4	82.7	2898.	94.	2977.	-.09	46.
9 47 6	213.	177.	135.	133.	180.	1123.	5.6	85.3	2925.	92.	2991.	.15	47.
9 47 11	232.	199.	124.	143.	177.	1118.	-.5	87.1	3065.	98.	2981.	.01	48.
9 47 16	228.	195.	120.	140.	175.	1118.	3.7	86.7	3023.	89.	3021.	-.03	49.
9 48 25	231.	205.	139.	132.	175.	1118.	5.4	82.4	2859.	90.	2991.	.13	48.
9 48 30	226.	192.	140.	135.	175.	1122.	5.6	83.4	2930.	90.	2974.	0.00	49.
9 48 35	215.	181.	145.	138.	174.	1130.	3.4	82.8	2889.	90.	3021.	.07	46.
10 0 22	223.	190.	150.	131.	173.	1127.	5.1	82.4	2908.	87.	3035.	.10	48.
10 0 27	219.	178.	151.	141.	172.	1114.	5.4	80.9	2923.	86.	2933.	-.13	46.
10 0 32	220.	183.	151.	144.	173.	1121.	7.1	81.3	2937.	85.	2918.	-.05	46.
10 0 37	224.	182.	145.	140.	170.	1125.	8.8	82.6	2991.	84.	2928.	0.00	53.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/MENG	PR 23 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET JTL PUMP	SP 4 PRESS HYD OIL OUTLET JTL PUMP	SP 5 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FMD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/MENG
08													
10 0 42	222.	179.	149.	145.	178.	1128.	8.8	83.4	2930.	85.	3013.	-.09	54.
10 0 47	231.	178.	144.	150.	171.	1136.	7.3	82.1	3109.	85.	2913.	.18	48.
10 0 52	225.	177.	147.	143.	171.	1130.	7.8	82.8	3040.	84.	2889.	.01	48.
10 0 57	224.	181.	149.	142.	173.	1128.	7.8	83.4	2957.	84.	3270.	.23	49.
10 1 2	221.	183.	150.	140.	172.	1124.	8.1	83.1	3001.	84.	3126.	.11	47.
10 1 12	217.	187.	154.	132.	173.	1120.	8.8	84.8	2864.	85.	3128.	.34	51.
10 1 17	218.	183.	154.	137.	171.	1123.	8.3	83.5	2940.	84.	3062.	.25	51.
10 1 22	221.	182.	151.	137.	174.	1110.	13.2	81.8	3050.	84.	3050.	-.03	52.
10 1 27	219.	182.	151.	136.	174.	1114.	13.2	81.7	2952.	84.	3074.	-.23	54.
10 1 32	221.	180.	152.	128.	173.	1116.	-.5	82.7	2977.	83.	2937.	-.25	44.
10 1 32	224.	187.	156.	124.	173.	1117.	3.7	82.2	2991.	83.	2893.	-.17	48.
10 1 42	219.	176.	152.	132.	178.	1116.	7.3	81.8	3011.	83.	2952.	.30	50.
10 1 42	223.	182.	150.	140.	175.	1123.	8.8	81.3	2991.	84.	2962.	.25	53.
10 1 47	219.	184.	150.	128.	176.	1114.	11.2	81.2	2879.	84.	3201.	.15	60.
10 1 52	219.	186.	154.	127.	176.	1113.	6.8	81.9	2964.	83.	3177.	.04	56.
10 1 57	227.	191.	144.	150.	173.	1134.	8.8	82.6	3069.	84.	2908.	.16	58.
10 2 2	223.	194.	147.	147.	173.	1128.	5.8	81.9	3028.	84.	2915.	.01	56.
10 2 7	235.	205.	151.	133.	176.	1122.	0.0	83.4	2859.	84.	3280.	.16	57.
10 2 13	235.	202.	150.	135.	174.	1124.	6.8	81.8	2915.	84.	3194.	.08	56.
10 2 18	233.	207.	150.	132.	178.	1122.	1.5	80.0	2838.	84.	3255.	.21	52.
10 2 23	227.	197.	152.	129.	174.	1120.	10.5	81.2	2874.	83.	3135.	.04	55.
10 2 28	222.	171.	150.	123.	178.	1130.	3.9	80.8	3011.	83.	3016.	.00	57.
10 2 33	227.	183.	152.	126.	178.	1122.	4.6	80.2	2959.	84.	3023.	.04	52.
10 2 38	227.	172.	152.	141.	174.	1107.	5.9	79.2	3021.	84.	3025.	0.00	47.
10 2 43	233.	180.	150.	137.	175.	1117.	5.9	79.6	3003.	84.	3025.	-.04	47.
10 42 48	239.	200.	150.	127.	177.	1122.	6.9	82.7	2947.	81.	2952.	-.10	34.
10 2 53	241.	195.	149.	130.	177.	1122.	5.1	82.0	2996.	82.	2957.	-.10	41.
10 2 58	244.	194.	138.	134.	176.	1116.	5.4	84.2	2864.	84.	2996.	-.07	43.
10 3 3	238.	193.	145.	129.	178.	1115.	5.6	83.0	2993.	84.	3003.	-.03	45.
10 43 8	236.	196.	152.	126.	177.	1118.	4.4	83.1	3004.	84.	2942.	0.00	45.
10 3 13	236.	180.	154.	135.	176.	1112.	6.1	82.0	3006.	84.	2991.	-.01	46.
10 3 18	230.	179.	154.	127.	178.	1120.	6.3	84.6	3050.	85.	2952.	-.06	49.
10 3 23	231.	180.	154.	129.	175.	1114.	6.1	83.4	2981.	85.	2962.	-.06	50.
10 3 28	226.	183.	156.	130.	173.	1112.	5.4	83.0	3011.	83.	2967.	0.00	49.
10 3 33	228.	180.	150.	132.	177.	1115.	6.6	82.8	2999.	82.	2989.	-.03	50.
10 3 38	233.	194.	153.	124.	178.	1120.	8.3	84.9	2981.	89.	3177.	-.01	46.
10 43 48	234.	190.	150.	133.	176.	1125.	7.6	84.6	3023.	87.	3033.	-.04	48.
10 3 53	237.	196.	152.	130.	181.	1120.	7.3	74.8	3016.	85.	2977.	.07	45.
10 3 58	235.	193.	151.	133.	177.	1107.	6.6	84.9	3089.	85.	2937.	.01	32.
10 4 3	240.	187.	151.	136.	169.	1114.	6.8	94.0	2668.	86.	2766.	.03	6.
10 4 8	242.	188.	151.	130.	163.	1108.	6.1	94.9	2820.	85.	2845.	-.04	4.
10 4 8	250.	189.	149.	136.	150.	739.	4.4	97.4	2771.	88.	2791.	0.00	-0.

C COMMUTATOR

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/MENG	AF 23 PRESS OIL TANK BRTMR L/MENG	PR 21 PRESS OIL INLET CSD L/MENG	PR 25 PRESS OIL OUTLET CSD L/MENG	AF 12 PRESS FUEL CONTRL OUTLET L/MENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/MENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/MENG	AF 25 PRESS P+D VALVE SEC OUTLET L/MENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/MENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWH FWD L/H	EC 107 TEMP AMB MWH FWD R/H	EC 108 TEMP AMB MWH AFT L/H
09													
8 57 9	-1.	0.	1.	3.	5.	-.2	0.	-4.	0.	127.	118.	357.	120.
8 57 14	-1.	0.	2.	2.	4.	-.0	-2.	-1.	1.	127.	117.	260.	120.
8 57 19	-1.	-0.	4.	0.	1.	-.0	2.	1.	2.	127.	117.	205.	119.
8 57 24	-1.	-0.	4.	1.	0.	-.0	3.	1.	2.	127.	118.	205.	120.
8 57 29	-2.	-0.	3.	3.	-12.	-.3	0.	4.	-0.	128.	117.	217.	116.
8 57 42	-1.	-0.	4.	3.	-7.	-.2	0.	3.	1.	127.	117.	218.	117.
8 57 39	-1.	0.	-0.	1.	4.	-.0	-1.	3.	1.	128.	117.	214.	120.
8 57 49	-1.	-0.	1.	1.	2.	-.5	-1.	0.	0.	128.	117.	211.	120.
8 57 54	-1.	-0.	4.	2.	1.	.3	2.	0.	1.	127.	118.	209.	120.
8 57 59	-1.	-0.	3.	2.	2.	0.0	2.	1.	1.	127.	117.	207.	119.
8 58 4	-2.	-0.	4.	1.	0.	.2	2.	2.	0.	127.	119.	185.	119.
8 58 9	-1.	-0.	3.	2.	-0.	-.1	2.	1.	1.	127.	118.	192.	119.
8 58 9	-0.	-0.	3.	-2.	3.	.0	1.	1.	1.	127.	120.	209.	121.
8 58 14	-0.	-0.	2.	-1.	1.	-.1	1.	1.	1.	127.	119.	210.	121.
8 58 19	-1.	-0.	2.	0.	7.	-.0	-1.	-1.	1.	127.	117.	215.	119.
8 58 24	-1.	-0.	4.	1.	7.	-.2	0.	1.	1.	127.	118.	218.	120.
8 58 29	-1.	-0.	2.	-1.	0.	.0	1.	-2.	-0.	127.	117.	200.	121.
8 58 34	-1.	-0.	2.	0.	5.	.1	0.	-1.	1.	127.	118.	207.	120.
8 58 40	-2.	-0.	3.	-0.	4.	.1	1.	0.	1.	128.	118.	193.	120.
8 58 45	-2.	-0.	2.	0.	4.	-.3	-2.	-1.	1.	128.	118.	190.	119.
8 58 50	-2.	-0.	4.	1.	8.	-.4	0.	0.	3.	127.	116.	200.	120.
8 58 55	-1.	-0.	4.	2.	7.	-.3	3.	3.	2.	127.	117.	202.	121.
8 59 0	-1.	-0.	3.	2.	-1.	-.1	5.	2.	2.	127.	119.	202.	121.
8 59 5	-1.	-0.	3.	2.	2.	-.3	-0.	1.	2.	127.	118.	195.	120.
8 59 10	1.	-0.	4.	3.	0.	.1	7.	0.	1.	121.	117.	187.	120.
8 59 15	-0.	-0.	4.	2.	3.	-.1	2.	-0.	1.	125.	118.	187.	119.
8 59 20	-0.	-0.	3.	-0.	-1.	.1	4.	-4.	1.	126.	118.	188.	119.
9 10 18	-0.	-0.	1.	0.	-1.	12.7	4.	-1.	1.	127.	117.	185.	119.
9 10 23	-0.	-0.	2.	0.	3.	25.8	-1.	3.	1.	127.	119.	196.	116.
9 10 28	-0.	-0.	3.	1.	1.	25.6	1.	3.	1.	126.	120.	193.	121.
9 10 33	-1.	0.	2.	2.	2.	25.4	1.	0.	2.	127.	119.	205.	121.
9 10 38	-1.	0.	2.	1.	3.	25.3	1.	1.	2.	128.	118.	205.	120.
9 10 43	-1.	-0.	2.	1.	3.	24.8	1.	1.	1.	129.	117.	205.	118.
9 10 53	-1.	-0.	3.	2.	3.	25.2	-1.	-1.	2.	128.	118.	205.	120.
9 10 58	-0.	0.	1.	1.	1.	25.6	0.	-1.	2.	128.	117.	176.	119.
9 11 3	-1.	-0.	2.	2.	3.	25.3	-0.	-0.	1.	127.	118.	188.	120.
9 11 3	-1.	-0.	4.	4.	6.	25.3	-1.	-1.	2.	121.	117.	207.	116.
9 51 8	-1.	-0.	4.	3.	5.	25.4	-2.	-1.	2.	125.	117.	196.	116.
9 11 13	-1.	-0.	3.	1.	8.	24.8	3.	4.	1.	127.	119.	209.	121.
9 11 23	-1.	-0.	3.	1.	4.	24.7	2.	3.	0.	127.	119.	215.	120.
9 11 28	-0.	0.	1.	-2.	1.	24.5	2.	2.	0.	128.	116.	227.	117.
9 11 28	-0.	0.	2.	1.	0.	24.4	1.	1.	1.	129.	116.	225.	118.
9 11 33	-1.	0.	3.	2.	0.	25.1	4.	1.	-0.	129.	117.	226.	119.
9 11 38	-1.	0.	3.	1.	0.	24.9	5.	1.	1.	129.	116.	226.	119.
9 11 43	-1.	0.	3.	1.	0.	24.2	1.	0.	1.	128.	118.	233.	116.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET SIDE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/M	EC 107 TEMP AMB MAN FWD R/M	EC 108 TEMP AMB MAN AFT L/M
09													
9 51 48	-1.	-0.	3.	3.	3.	24.3	3.	2.	1.	127.	119.	242.	119.
9 11 53	-1.	0.	2.	0.	-1.	24.9	3.	5.	2.	128.	120.	225.	119.
9 51 58	-1.	-0.	3.	1.	4.	24.3	1.	2.	2.	127.	116.	222.	120.
9 12 4	-1.	-0.	3.	1.	5.	24.8	2.	3.	1.	127.	118.	207.	119.
9 12 9	-1.	-0.	3.	1.	3.	24.5	1.	3.	1.	127.	118.	216.	119.
9 12 14	-1.	0.	2.	-7.	-1.	24.9	1.	3.	2.	127.	119.	255.	121.
9 12 19	-1.	0.	3.	-2.	3.	24.5	0.	2.	1.	127.	118.	229.	120.
9 12 24	-0.	0.	3.	-5.	4.	24.1	6.	5.	1.	127.	120.	209.	120.
9 12 29	-0.	-0.	3.	-3.	3.	24.2	6.	4.	1.	127.	120.	232.	120.
9 12 34	-2.	-0.	3.	-1.	2.	25.3	-4.	0.	1.	125.	121.	229.	121.
9 12 39	-2.	-0.	2.	-1.	3.	24.8	1.	0.	0.	126.	119.	215.	120.
9 12 44	1.	0.	1.	-5.	-1.	24.2	5.	1.	6.	127.	120.	219.	121.
9 12 49	4.	-0.	3.	-4.	3.	24.4	4.	-4.	10.	126.	120.	225.	121.
9 12 54	11.	0.	3.	4.	8.	23.4	0.	0.	20.	126.	119.	228.	121.
9 12 59	12.	-0.	3.	4.	22.	23.1	5.	-5.	21.	127.	119.	231.	121.
9 13 4	18.	-0.	3.	3.	107.	23.0	59.	-2.	29.	127.	120.	252.	122.
9 13 9	23.	-0.	3.	5.	103.	23.0	76.	-1.	36.	127.	119.	249.	121.
9 13 14	39.	0.	10.	34.	136.	23.1	105.	10.	59.	128.	119.	223.	119.
9 13 19	41.	0.	12.	35.	146.	22.8	111.	7.	62.	126.	119.	241.	120.
9 13 29	46.	0.	12.	43.	181.	21.8	134.	23.	66.	126.	116.	259.	123.
9 13 34	46.	0.	14.	46.	190.	22.0	151.	18.	68.	126.	117.	252.	121.
9 13 39	47.	-0.	16.	49.	189.	22.7	152.	18.	70.	128.	119.	225.	119.
9 13 39	48.	-0.	17.	50.	203.	22.7	155.	25.	70.	127.	120.	227.	120.
9 13 44	49.	-0.	16.	48.	205.	23.5	159.	27.	73.	125.	121.	258.	123.
9 13 49	49.	-0.	15.	49.	205.	23.1	170.	32.	73.	126.	121.	259.	123.
9 13 59	49.	0.	16.	47.	199.	22.8	173.	29.	73.	127.	120.	245.	122.
9 14 12	49.	0.	16.	48.	205.	22.6	171.	30.	73.	127.	118.	234.	121.
9 14 9	49.	0.	16.	49.	201.	22.5	169.	29.	73.	125.	121.	232.	116.
9 14 9	49.	0.	15.	47.	203.	23.0	170.	31.	73.	126.	121.	234.	119.
9 14 14	49.	-0.	16.	50.	213.	21.6	174.	45.	73.	127.	120.	235.	121.
9 14 19	49.	-0.	17.	49.	209.	22.6	175.	39.	73.	127.	119.	230.	120.
9 14 24	48.	-0.	17.	53.	211.	22.7	172.	31.	72.	126.	124.	259.	123.
9 14 29	48.	-0.	17.	54.	208.	22.5	171.	30.	72.	126.	123.	251.	121.
9 14 34	48.	0.	16.	49.	203.	22.3	161.	29.	71.	127.	121.	232.	121.
9 14 40	48.	0.	17.	50.	202.	22.3	174.	30.	71.	126.	122.	231.	123.
9 14 45	48.	-0.	17.	52.	211.	23.2	156.	32.	71.	125.	121.	229.	123.
9 14 50	48.	-0.	17.	51.	214.	23.0	159.	30.	71.	127.	118.	225.	122.
9 14 55	49.	0.	16.	55.	215.	23.0	187.	32.	70.	125.	121.	221.	121.
9 15 0	48.	0.	17.	57.	210.	23.0	160.	27.	70.	125.	121.	237.	122.
9 15 5	48.	0.	18.	53.	204.	22.8	176.	22.	71.	121.	122.	255.	125.
9 15 10	48.	0.	18.	55.	205.	23.0	154.	22.	72.	123.	122.	258.	122.
9 15 15	48.	0.	18.	54.	199.	23.2	183.	23.	72.	126.	120.	239.	122.
9 15 20	48.	-0.	18.	54.	205.	22.6	174.	27.	72.	126.	118.	244.	122.
9 15 25	48.	0.	16.	55.	215.	23.7	176.	29.	71.	125.	121.	256.	123.
9 15 30	48.	0.	17.	57.	214.	22.9	173.	27.	71.	127.	121.	242.	122.
9 15 35	48.	-0.	17.	60.	218.	22.1	174.	33.	70.	126.	123.	229.	123.
9 15 40	48.	0.	17.	56.	210.	22.5	170.	25.	70.	126.	122.	233.	121.
9 15 45	47.	-0.	19.	52.	193.	24.0	171.	34.	70.	124.	125.	234.	117.
9 15 50	48.	-0.	18.	55.	203.	24.0	175.	33.	71.	125.	124.	235.	118.

TIME H/M/S 09	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/M	EC 107 TEMP AMB MAN FWD R/M	EC 108 TEMP AMB MAN AFT L/M
9 15 55	47.	-0.	18.	64.	213.	22.2	163.	34.	71.	125.	122.	239.	124.
9 15 5	48.	-0.	18.	59.	214.	22.6	179.	39.	73.	126.	123.	242.	121.
9 16 10	47.	-0.	18.	55.	202.	23.5	191.	39.	71.	127.	120.	252.	121.
9 16 10	48.	0.	19.	58.	212.	23.6	191.	44.	72.	127.	122.	243.	122.
9 16 15	49.	0.	19.	62.	246.	21.7	139.	56.	73.	126.	121.	240.	125.
9 16 20	49.	0.	19.	60.	245.	22.0	202.	56.	73.	125.	122.	246.	121.
9 16 25	49.	-0.	18.	57.	243.	22.8	220.	72.	72.	126.	119.	251.	125.
9 16 35	49.	-0.	19.	59.	258.	22.5	215.	71.	72.	127.	119.	240.	126.
9 16 40	48.	0.	21.	60.	248.	23.7	216.	66.	72.	127.	119.	249.	123.
9 16 45	49.	0.	20.	58.	254.	23.2	217.	69.	73.	126.	117.	247.	122.
9 16 45	50.	0.	20.	55.	258.	21.7	219.	70.	74.	125.	125.	235.	121.
9 16 50	50.	0.	19.	55.	263.	21.9	221.	71.	73.	124.	125.	236.	123.
9 16 55	50.	0.	19.	52.	249.	20.9	219.	59.	74.	127.	120.	247.	127.
9 17 0	50.	0.	19.	52.	253.	22.3	225.	62.	76.	126.	123.	242.	124.
9 17 5	49.	-0.	20.	60.	249.	21.4	221.	76.	78.	126.	123.	249.	127.
9 17 10	49.	-0.	21.	63.	251.	22.0	220.	68.	80.	126.	121.	251.	126.
9 17 16	48.	-0.	21.	60.	257.	21.6	214.	65.	83.	125.	116.	244.	125.
9 17 21	47.	-0.	21.	61.	251.	21.9	217.	65.	86.	125.	122.	237.	125.
9 17 26	49.	0.	19.	57.	258.	22.4	227.	76.	91.	126.	123.	246.	130.
9 17 31	48.	0.	21.	57.	258.	23.2	225.	72.	95.	126.	123.	244.	127.
9 17 36	49.	0.	20.	52.	258.	23.2	216.	63.	103.	127.	116.	249.	130.
9 17 41	48.	0.	21.	53.	254.	22.6	218.	65.	107.	127.	120.	240.	130.
9 17 46	48.	0.	19.	54.	251.	22.3	238.	70.	118.	127.	125.	254.	116.
9 17 51	48.	-0.	20.	56.	261.	22.9	221.	73.	119.	127.	120.	249.	121.
9 17 56	47.	-0.	22.	62.	241.	22.5	218.	70.	116.	124.	128.	235.	128.
9 18 1	47.	-0.	21.	61.	254.	22.1	223.	63.	117.	125.	126.	242.	129.
9 18 6	48.	0.	18.	57.	265.	22.4	220.	70.	122.	123.	125.	249.	130.
9 18 11	48.	0.	20.	54.	255.	22.1	220.	69.	121.	123.	126.	252.	126.
9 18 16	47.	-0.	21.	58.	254.	23.8	219.	70.	119.	128.	123.	250.	130.
9 18 21	47.	-0.	20.	58.	253.	23.4	220.	67.	120.	126.	124.	243.	130.
9 18 26	47.	-0.	21.	56.	249.	23.4	221.	75.	119.	127.	127.	232.	132.
9 18 31	47.	-0.	20.	53.	243.	22.6	216.	70.	119.	126.	128.	232.	129.
9 18 41	46.	0.	20.	62.	251.	23.8	219.	60.	117.	127.	123.	250.	134.
9 18 41	46.	-0.	20.	56.	253.	22.8	221.	62.	118.	127.	124.	245.	131.
9 18 46	46.	-0.	20.	61.	247.	22.0	213.	56.	116.	126.	122.	250.	129.
9 18 51	46.	-0.	20.	62.	241.	22.4	213.	57.	116.	126.	126.	243.	129.
9 18 56	46.	-0.	21.	63.	245.	22.5	205.	58.	116.	125.	128.	249.	127.
9 19 1	47.	-0.	21.	59.	243.	22.5	217.	66.	118.	123.	129.	241.	127.
9 19 11	46.	-0.	22.	65.	246.	20.6	218.	59.	116.	125.	134.	219.	128.
9 19 16	46.	-0.	22.	60.	247.	21.4	214.	58.	115.	124.	132.	226.	126.
9 19 21	46.	-0.	19.	57.	242.	20.7	210.	62.	116.	126.	125.	254.	126.
9 19 26	47.	-0.	20.	54.	243.	21.5	223.	63.	118.	126.	127.	252.	128.
9 19 26	46.	-0.	21.	56.	240.	23.5	216.	78.	113.	127.	124.	251.	131.
9 19 31	46.	-0.	20.	56.	242.	23.1	214.	68.	113.	124.	126.	241.	132.
9 19 36	46.	-0.	21.	57.	246.	23.0	213.	58.	119.	126.	127.	246.	131.
9 19 41	46.	-0.	22.	59.	250.	22.8	210.	63.	115.	125.	129.	239.	128.
9 19 46	46.	-0.	19.	55.	254.	22.3	220.	73.	110.	125.	128.	231.	127.
9 19 59	46.	-0.	20.	53.	254.	22.1	222.	72.	109.	125.	128.	242.	127.
9 19 57	47.	-0.	21.	57.	255.	22.3	229.	72.	107.	127.	126.	230.	132.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTMR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 25 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
09													
9 20 2	46.	-0.	21.	55.	250.	21.6	223.	66.	106.	127.	128.	233.	131.
9 20 7	47.	0.	22.	57.	243.	22.4	221.	56.	106.	126.	130.	229.	128.
9 20 12	47.	-0.	20.	55.	245.	22.3	219.	61.	106.	126.	133.	232.	129.
9 20 17	48.	0.	21.	56.	236.	22.2	221.	62.	100.	126.	128.	254.	132.
9 20 22	47.	0.	20.	56.	238.	22.8	224.	65.	102.	125.	130.	257.	129.
9 20 27	47.	-0.	21.	50.	239.	21.5	220.	70.	105.	125.	132.	231.	124.
9 20 32	47.	-0.	22.	51.	246.	22.1	220.	70.	103.	125.	132.	233.	126.
9 20 37	46.	-0.	20.	56.	249.	22.9	216.	55.	101.	123.	132.	253.	123.
9 20 42	45.	-0.	21.	59.	252.	22.4	214.	55.	101.	125.	131.	240.	128.
9 20 47	46.	0.	22.	51.	243.	24.1	217.	58.	100.	124.	131.	247.	128.
9 20 52	46.	-0.	22.	55.	242.	23.4	224.	65.	100.	126.	130.	239.	131.
9 20 57	45.	-0.	20.	52.	245.	22.5	217.	72.	101.	123.	133.	248.	126.
9 21 2	45.	-0.	20.	52.	250.	22.1	222.	70.	102.	124.	133.	241.	129.
9 21 7	47.	-0.	22.	55.	257.	23.9	207.	46.	101.	123.	132.	247.	125.
9 21 17	47.	-0.	21.	57.	252.	22.5	214.	58.	100.	123.	133.	236.	127.
9 21 17	47.	-0.	24.	58.	260.	24.1	216.	67.	98.	126.	138.	240.	131.
9 21 22	47.	-0.	23.	58.	253.	23.1	213.	62.	98.	126.	129.	241.	133.
9 21 27	47.	-0.	20.	58.	254.	22.9	223.	59.	99.	124.	135.	235.	130.
9 21 32	47.	-0.	20.	58.	245.	23.6	219.	58.	98.	125.	131.	241.	132.
9 21 37	47.	-0.	21.	56.	249.	22.6	227.	67.	95.	125.	131.	230.	133.
9 61 47	47.	-0.	21.	58.	239.	22.2	217.	57.	94.	126.	131.	234.	133.
9 21 52	45.	-0.	23.	59.	224.	22.7	180.	55.	98.	128.	133.	229.	134.
9 21 57	45.	-0.	22.	56.	227.	23.6	186.	42.	96.	126.	133.	231.	134.
9 22 2	46.	0.	23.	55.	249.	23.6	186.	48.	94.	125.	136.	230.	128.
9 22 2	46.	0.	23.	55.	228.	22.4	192.	49.	95.	125.	134.	238.	127.
9 22 7	45.	-0.	23.	59.	205.	21.8	183.	44.	92.	127.	131.	239.	135.
9 22 12	45.	-0.	23.	58.	217.	22.1	185.	44.	94.	126.	132.	232.	133.
9 22 17	46.	0.	21.	63.	218.	21.5	193.	47.	95.	125.	132.	244.	127.
9 22 22	46.	0.	21.	60.	222.	22.3	196.	47.	94.	124.	131.	239.	128.
9 22 35	45.	-0.	23.	58.	229.	23.8	184.	45.	94.	125.	134.	227.	132.
9 22 33	45.	-0.	24.	59.	229.	23.3	137.	48.	90.	126.	133.	234.	132.
9 22 38	45.	-0.	22.	51.	205.	22.9	202.	44.	93.	126.	130.	228.	137.
9 22 43	45.	-0.	23.	51.	212.	22.6	194.	42.	92.	121.	132.	229.	135.
9 62 48	44.	-0.	24.	55.	211.	22.5	188.	23.	95.	127.	130.	239.	133.
9 22 53	45.	-0.	23.	57.	210.	22.2	187.	33.	93.	126.	131.	241.	129.
9 22 58	44.	-0.	23.	49.	235.	22.1	185.	43.	94.	124.	136.	241.	126.
9 23 3	45.	-0.	23.	51.	223.	22.5	181.	44.	93.	125.	136.	239.	128.
9 63 8	46.	0.	22.	50.	205.	21.7	192.	45.	91.	123.	135.	239.	129.
9 23 13	46.	0.	23.	53.	210.	21.5	188.	46.	91.	125.	133.	239.	133.
9 23 18	44.	0.	22.	57.	219.	23.1	190.	49.	91.	123.	139.	219.	129.
9 23 23	45.	0.	22.	58.	224.	23.1	197.	49.	98.	125.	137.	222.	132.
9 23 28	44.	-0.	23.	48.	223.	23.0	190.	38.	91.	127.	135.	225.	134.
9 23 33	44.	-0.	23.	51.	217.	22.4	188.	43.	90.	127.	135.	224.	134.
9 23 38	46.	0.	23.	55.	226.	22.4	196.	37.	89.	127.	135.	223.	135.
9 23 43	45.	-0.	24.	56.	225.	22.3	192.	40.	91.	127.	135.	223.	135.
9 63 48	44.	-0.	23.	66.	229.	22.2	185.	41.	91.	123.	137.	222.	132.
9 23 53	45.	-0.	23.	62.	232.	22.7	185.	42.	90.	125.	138.	224.	132.
9 23 58	44.	-0.	23.	57.	221.	23.1	189.	43.	91.	127.	133.	219.	137.
9 24 3	44.	-0.	24.	56.	231.	22.4	186.	42.	91.	125.	136.	220.	132.

TIME M/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MNW FWD L/H	EC 107 TEMP AMB MNW FWD R/H	EC 108 TEMP AMB MNW AFT L/H
09													
9 24 8	45.	0.	25.	67.	220.	22.8	187.	43.	86.	127.	134.	230.	134.
9 24 13	45.	0.	24.	61.	215.	22.7	187.	44.	88.	126.	134.	232.	133.
9 24 23	45.	0.	23.	60.	201.	23.6	190.	48.	88.	128.	130.	232.	135.
9 24 23	45.	0.	23.	55.	202.	22.9	180.	38.	88.	127.	133.	230.	132.
9 28 16	42.	0.	23.	52.	202.	22.7	177.	29.	87.	123.	134.	223.	127.
9 28 21	43.	0.	23.	51.	207.	23.0	170.	29.	87.	125.	135.	220.	132.
9 28 34	44.	-0.	22.	54.	204.	23.6	166.	26.	87.	127.	136.	234.	128.
9 28 31	44.	0.	22.	54.	205.	23.2	168.	28.	87.	126.	136.	228.	130.
9 28 36	41.	-0.	22.	55.	201.	21.4	169.	19.	86.	125.	137.	224.	137.
9 28 41	42.	-0.	22.	55.	205.	22.2	170.	21.	86.	125.	136.	228.	132.
9 28 46	43.	-0.	21.	50.	191.	23.0	153.	23.	87.	121.	134.	228.	132.
9 28 56	43.	0.	22.	52.	194.	23.7	158.	26.	87.	121.	135.	223.	130.
9 29 1	44.	-0.	22.	54.	199.	22.9	177.	26.	87.	126.	139.	226.	128.
9 29 6	44.	-0.	21.	53.	199.	22.9	171.	22.	87.	126.	138.	231.	127.
9 29 11	43.	0.	23.	54.	207.	23.1	171.	26.	87.	125.	137.	233.	125.
9 29 16	45.	0.	23.	53.	200.	22.5	174.	26.	87.	125.	138.	229.	126.
9 29 16	43.	-0.	22.	51.	193.	21.8	166.	26.	87.	125.	136.	235.	129.
9 29 21	43.	-0.	23.	53.	204.	22.8	167.	25.	87.	125.	136.	226.	123.
9 29 26	42.	-0.	23.	53.	198.	22.3	166.	26.	87.	126.	137.	234.	127.
9 29 31	42.	-0.	23.	53.	204.	23.1	158.	25.	89.	126.	137.	232.	126.
9 29 36	43.	-0.	23.	50.	198.	21.9	174.	31.	91.	126.	136.	229.	126.
9 29 41	43.	-0.	23.	52.	200.	22.5	171.	30.	88.	127.	137.	227.	130.
9 29 47	43.	-0.	23.	50.	195.	23.3	177.	26.	87.	128.	136.	237.	131.
9 29 52	42.	-0.	24.	52.	199.	23.3	170.	25.	87.	126.	138.	227.	126.
9 29 65	44.	0.	21.	50.	205.	23.8	172.	36.	87.	128.	136.	225.	133.
9 30 2	43.	-0.	22.	49.	202.	23.0	176.	30.	88.	127.	136.	232.	129.
9 30 7	42.	-0.	23.	52.	199.	22.3	164.	23.	88.	131.	138.	217.	132.
9 30 12	42.	-0.	24.	49.	210.	23.0	187.	27.	87.	128.	139.	225.	129.
9 30 17	43.	-0.	22.	51.	189.	23.5	172.	25.	87.	125.	131.	229.	130.
9 30 22	43.	-0.	23.	54.	191.	22.9	169.	23.	87.	125.	136.	228.	128.
9 30 27	43.	-0.	25.	53.	204.	22.7	158.	26.	85.	121.	136.	221.	134.
9 30 32	43.	-0.	23.	53.	205.	23.0	169.	26.	87.	125.	135.	229.	133.
9 30 37	42.	-0.	21.	45.	205.	22.8	172.	27.	86.	127.	137.	222.	134.
9 30 42	42.	-0.	23.	51.	202.	22.8	169.	25.	86.	126.	138.	229.	130.
9 30 47	41.	-0.	25.	54.	213.	23.2	170.	33.	86.	127.	136.	236.	129.
9 30 52	41.	-0.	25.	53.	209.	23.1	172.	29.	86.	125.	137.	232.	127.
9 30 57	43.	-0.	24.	52.	202.	23.2	173.	26.	85.	127.	137.	230.	132.
9 31 2	43.	-0.	23.	53.	201.	23.3	158.	24.	86.	127.	134.	231.	134.
9 31 7	42.	-0.	23.	47.	196.	22.9	156.	29.	89.	127.	139.	231.	133.
9 31 12	43.	-0.	24.	50.	195.	22.9	165.	26.	87.	127.	132.	234.	132.
9 31 17	43.	-0.	25.	55.	206.	22.1	173.	29.	35.	126.	137.	227.	135.
9 31 22	43.	-0.	25.	54.	208.	22.6	173.	29.	85.	126.	137.	233.	132.
9 71 32	43.	0.	23.	51.	196.	22.7	169.	26.	88.	123.	140.	219.	127.
9 31 37	43.	-0.	23.	51.	199.	22.9	159.	25.	88.	124.	137.	223.	126.
9 31 42	43.	-0.	26.	56.	205.	23.9	175.	31.	84.	127.	141.	239.	128.
9 31 47	44.	-0.	25.	54.	202.	23.0	178.	33.	86.	126.	139.	231.	131.
9 31 52	43.	0.	25.	55.	205.	22.7	176.	32.	86.	126.	137.	235.	136.
9 31 57	43.	-0.	23.	55.	206.	23.0	160.	25.	87.	129.	136.	239.	134.
9 31 57	44.	0.	23.	53.	199.	23.0	181.	34.	88.	126.	142.	232.	129.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 21 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LUBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
09													
9 32 2	44.	0.	23.	54.	201.	23.0	174.	31.	87.	121.	141.	228.	130.
9 32 7	44.	-0.	23.	51.	198.	22.7	150.	28.	87.	125.	141.	221.	125.
9 32 12	43.	-0.	23.	51.	202.	23.0	172.	25.	87.	125.	139.	226.	126.
9 32 17	44.	-0.	23.	51.	207.	23.1	172.	29.	88.	126.	139.	235.	127.
9 32 22	44.	-0.	21.	52.	205.	22.0	159.	28.	88.	125.	140.	228.	126.
9 32 28	41.	-0.	24.	48.	214.	23.8	169.	23.	86.	123.	138.	231.	126.
9 32 33	42.	-0.	23.	50.	210.	23.3	171.	25.	86.	125.	136.	235.	129.
9 32 38	43.	-0.	23.	51.	210.	23.1	173.	26.	87.	125.	142.	230.	125.
9 32 43	43.	-0.	24.	55.	209.	22.7	168.	28.	87.	125.	140.	226.	130.
9 72 48	43.	-0.	24.	53.	212.	22.6	171.	28.	86.	126.	137.	228.	136.
9 32 53	43.	-0.	24.	54.	208.	23.1	173.	31.	86.	125.	140.	232.	131.
9 32 58	43.	-0.	23.	52.	207.	21.7	174.	24.	90.	123.	143.	228.	125.
9 33 3	43.	-0.	23.	52.	203.	21.9	174.	27.	90.	123.	143.	226.	126.
9 73 8	44.	-0.	23.	51.	219.	21.5	164.	23.	87.	124.	139.	232.	124.
9 33 13	44.	-0.	23.	52.	200.	21.7	173.	23.	87.	125.	140.	236.	130.
9 33 18	43.	0.	25.	55.	210.	22.3	166.	25.	87.	126.	141.	230.	136.
9 33 23	43.	-0.	26.	56.	206.	22.5	166.	25.	87.	127.	142.	228.	134.
9 33 28	43.	-0.	23.	52.	210.	23.0	172.	28.	88.	125.	138.	225.	131.
9 33 33	43.	-0.	24.	54.	204.	23.1	171.	29.	87.	125.	139.	226.	127.
9 33 38	44.	0.	25.	52.	209.	21.8	169.	34.	87.	124.	139.	230.	125.
9 33 43	44.	-0.	25.	52.	209.	22.1	170.	33.	87.	120.	140.	231.	125.
9 73 48	43.	-0.	26.	56.	206.	23.0	158.	26.	87.	125.	138.	229.	126.
9 33 53	43.	-0.	25.	55.	209.	23.1	169.	25.	85.	126.	137.	231.	130.
9 33 58	43.	-0.	25.	51.	210.	22.4	171.	29.	87.	125.	141.	230.	128.
9 34 8	43.	-0.	24.	50.	205.	22.3	171.	31.	87.	125.	143.	228.	129.
9 34 13	43.	0.	24.	55.	210.	22.5	173.	32.	87.	125.	142.	221.	134.
9 34 18	43.	-0.	23.	53.	208.	22.8	168.	29.	86.	126.	140.	221.	130.
9 34 23	43.	-0.	21.	50.	205.	22.7	155.	22.	85.	127.	141.	219.	134.
9 34 28	43.	-0.	22.	53.	203.	22.4	158.	26.	87.	127.	142.	224.	134.
9 34 33	43.	-0.	23.	53.	210.	23.0	169.	21.	89.	125.	141.	218.	136.
9 34 33	43.	-0.	24.	54.	207.	23.0	173.	27.	87.	125.	141.	224.	131.
9 34 38	42.	-0.	24.	55.	199.	22.5	171.	24.	89.	125.	145.	223.	134.
9 34 43	42.	-0.	24.	54.	206.	22.6	168.	26.	85.	124.	143.	224.	134.
9 34 48	42.	-0.	23.	55.	201.	22.7	170.	26.	86.	125.	143.	224.	134.
9 34 53	43.	-0.	24.	55.	197.	22.3	172.	28.	86.	126.	143.	224.	134.
9 34 58	43.	-0.	22.	52.	199.	22.3	179.	23.	87.	123.	141.	242.	128.
9 35 4	42.	-0.	23.	53.	193.	22.5	172.	23.	86.	125.	143.	241.	132.
9 35 9	43.	-0.	25.	53.	207.	25.0	154.	32.	86.	125.	147.	231.	126.
9 35 14	43.	-0.	25.	54.	205.	23.9	164.	29.	86.	126.	144.	236.	129.
9 35 19	43.	-0.	26.	53.	191.	23.4	167.	27.	86.	127.	139.	244.	136.
9 35 24	43.	-0.	26.	55.	194.	23.4	165.	29.	87.	127.	139.	245.	138.
9 35 29	43.	-0.	25.	56.	194.	23.2	166.	31.	86.	125.	141.	240.	116.
9 35 34	43.	-0.	25.	54.	198.	22.6	167.	27.	86.	127.	140.	243.	128.
9 35 39	42.	-0.	23.	53.	194.	22.5	159.	21.	85.	128.	139.	233.	134.
9 35 44	42.	-0.	24.	55.	189.	22.7	174.	25.	85.	127.	139.	221.	138.
9 35 49	42.	0.	24.	57.	207.	23.8	179.	22.	86.	128.	142.	224.	136.
9 35 54	42.	0.	25.	57.	202.	22.8	178.	26.	86.	127.	142.	224.	135.
9 35 59	43.	0.	26.	46.	201.	23.0	177.	29.	86.	124.	145.	226.	127.
9 36 4	42.	-0.	25.	51.	198.	23.0	174.	30.	86.	122.	143.	231.	130.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LUBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
09													
9 36 9	42.	0.	25.	55.	194.	22.1	172.	38.	88.	123.	141.	227.	134.
9 36 14	42.	-0.	24.	54.	194.	22.6	157.	27.	87.	124.	139.	228.	136.
9 36 19	43.	-0.	25.	52.	206.	23.9	166.	23.	86.	122.	144.	226.	132.
9 36 24	43.	-0.	26.	55.	205.	23.4	166.	25.	85.	125.	142.	232.	134.
9 36 29	42.	-0.	24.	43.	205.	22.9	166.	31.	86.	125.	143.	233.	116.
9 36 34	42.	-0.	25.	49.	202.	23.1	167.	30.	87.	125.	142.	230.	123.
9 36 44	43.	0.	27.	55.	205.	23.2	176.	29.	86.	127.	143.	221.	126.
9 36 49	43.	-0.	26.	53.	204.	22.8	159.	27.	82.	126.	142.	232.	130.
9 36 54	43.	0.	26.	55.	193.	23.4	174.	29.	84.	127.	156.	248.	141.
9 36 59	43.	-0.	26.	55.	198.	23.4	176.	26.	85.	126.	138.	240.	138.
9 37 4	43.	-0.	24.	54.	184.	22.8	177.	26.	87.	128.	136.	255.	158.
9 37 9	43.	-0.	24.	53.	192.	23.4	170.	25.	85.	127.	138.	244.	136.
9 37 9	42.	0.	26.	56.	207.	23.5	159.	21.	87.	125.	136.	243.	124.
9 37 14	43.	-0.	26.	53.	207.	22.9	158.	23.	87.	124.	140.	237.	126.
9 37 19	43.	0.	28.	52.	202.	22.5	169.	23.	87.	125.	144.	244.	124.
9 37 24	43.	-0.	26.	55.	197.	22.6	166.	25.	87.	126.	140.	239.	132.
9 37 29	42.	-0.	23.	52.	188.	21.7	172.	19.	87.	120.	139.	249.	142.
9 77 34	43.	-0.	24.	53.	189.	22.2	172.	26.	86.	129.	139.	239.	135.
9 37 40	43.	-0.	24.	52.	217.	23.7	183.	36.	87.	127.	136.	256.	141.
9 37 45	44.	-0.	24.	51.	217.	23.5	187.	38.	87.	128.	136.	251.	141.
9 37 50	44.	0.	24.	53.	207.	23.5	172.	32.	89.	127.	136.	248.	139.
9 37 55	44.	-0.	24.	53.	212.	22.8	172.	31.	88.	127.	136.	242.	135.
9 38 0	43.	0.	24.	51.	223.	23.4	183.	42.	90.	126.	139.	244.	135.
9 38 5	43.	-0.	24.	52.	214.	23.3	165.	36.	90.	125.	141.	238.	129.
9 38 10	43.	-0.	24.	54.	216.	22.6	166.	34.	86.	127.	136.	249.	141.
9 38 15	43.	-0.	24.	52.	211.	23.0	174.	34.	87.	126.	137.	246.	138.
9 38 20	43.	-0.	23.	53.	211.	23.0	186.	37.	89.	124.	141.	245.	142.
9 38 25	43.	-0.	25.	53.	213.	23.4	181.	38.	89.	124.	141.	246.	132.
9 38 30	44.	-0.	24.	55.	211.	23.2	178.	34.	87.	126.	137.	262.	136.
9 38 35	44.	-0.	25.	56.	214.	23.2	183.	36.	87.	127.	137.	256.	139.
9 38 40	45.	-0.	26.	50.	213.	23.1	188.	38.	86.	125.	139.	254.	131.
9 38 45	44.	-0.	25.	54.	215.	22.8	183.	41.	87.	126.	137.	252.	134.
9 38 50	43.	-0.	26.	54.	207.	23.3	180.	46.	87.	126.	139.	249.	131.
9 38 55	43.	-0.	26.	55.	214.	23.8	179.	42.	88.	125.	139.	255.	123.
9 39 0	44.	-0.	24.	45.	216.	23.1	194.	43.	87.	128.	139.	251.	139.
9 39 5	44.	-0.	24.	58.	215.	23.2	187.	43.	87.	124.	138.	250.	137.
9 39 10	44.	-0.	25.	49.	202.	22.7	193.	37.	87.	127.	138.	258.	136.
9 39 20	45.	0.	26.	52.	207.	22.8	184.	37.	88.	124.	137.	256.	130.
9 39 20	44.	-0.	26.	54.	218.	23.0	182.	38.	86.	128.	137.	250.	143.
9 47 6	43.	-0.	22.	52.	218.	23.4	175.	35.	86.	125.	135.	242.	141.
9 47 11	44.	-0.	25.	42.	211.	23.0	192.	46.	87.	129.	139.	222.	124.
9 47 16	44.	-0.	24.	47.	210.	22.4	184.	39.	86.	127.	137.	238.	133.
9 48 25	44.	-0.	25.	47.	218.	23.0	174.	40.	88.	127.	136.	244.	124.
9 48 30	44.	0.	25.	50.	205.	22.8	177.	31.	88.	126.	134.	251.	131.
9 48 35	44.	-0.	24.	49.	215.	23.1	183.	33.	85.	125.	134.	257.	138.
10 0 22	43.	-0.	26.	51.	221.	23.6	165.	31.	86.	125.	133.	256.	135.
10 0 27	45.	0.	23.	53.	229.	22.9	207.	49.	98.	122.	136.	250.	139.
10 0 32	45.	-0.	21.	53.	240.	24.1	211.	60.	90.	124.	135.	250.	136.
10 0 37	45.	0.	24.	53.	252.	24.4	218.	61.	92.	128.	136.	256.	125.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTR. OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LUBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
09													
10 0 42	45.	0.	26.	54.	251.	23.9	214.	64.	91.	127.	136.	257.	126.
10 0 47	45.	0.	26.	47.	262.	22.6	218.	65.	93.	128.	134.	251.	131.
10 0 52	45.	-0.	25.	48.	246.	22.5	214.	62.	90.	127.	138.	254.	127.
10 0 57	45.	-0.	25.	52.	249.	23.1	210.	69.	87.	128.	136.	249.	131.
10 1 2	45.	-0.	26.	52.	253.	23.1	217.	65.	88.	126.	136.	255.	129.
10 1 12	46.	0.	23.	52.	251.	23.1	208.	58.	87.	124.	135.	260.	121.
10 1 17	46.	0.	25.	53.	253.	22.9	215.	71.	89.	124.	135.	262.	127.
10 1 22	46.	-0.	24.	53.	281.	22.5	238.	78.	88.	121.	138.	240.	128.
10 1 27	46.	0.	24.	52.	287.	21.8	239.	77.	89.	122.	137.	250.	126.
10 1 32	45.	-0.	25.	50.	289.	23.1	240.	92.	90.	122.	136.	249.	134.
10 1 32	45.	-0.	25.	50.	272.	21.9	238.	93.	90.	122.	136.	249.	134.
10 1 42	45.	-0.	23.	50.	279.	22.7	241.	103.	93.	123.	134.	244.	130.
10 1 42	46.	-0.	25.	52.	259.	23.1	239.	98.	92.	125.	137.	248.	131.
10 1 47	47.	0.	26.	49.	293.	21.9	235.	87.	90.	124.	137.	256.	132.
10 1 52	46.	0.	22.	50.	288.	21.8	238.	94.	90.	124.	136.	258.	131.
10 1 57	46.	-0.	23.	50.	260.	21.3	246.	87.	93.	128.	136.	253.	131.
10 2 2	46.	-0.	23.	49.	272.	21.5	244.	88.	93.	127.	136.	254.	134.
10 2 7	45.	0.	26.	53.	230.	23.1	254.	94.	93.	125.	134.	271.	141.
10 2 13	45.	-0.	25.	51.	290.	22.9	245.	88.	92.	125.	134.	260.	140.
10 2 18	44.	-0.	24.	50.	252.	23.0	250.	85.	92.	119.	135.	257.	144.
10 2 23	45.	-0.	24.	51.	270.	23.2	254.	77.	91.	120.	134.	260.	137.
10 2 28	45.	0.	26.	52.	226.	23.6	209.	65.	92.	125.	136.	256.	141.
10 2 33	43.	0.	26.	52.	213.	22.9	186.	47.	88.	124.	136.	260.	141.
10 2 38	42.	-0.	26.	50.	199.	22.9	173.	32.	85.	125.	139.	247.	126.
10 2 43	42.	-0.	25.	50.	196.	23.2	174.	31.	84.	123.	137.	260.	133.
10 42 48	43.	-0.	23.	49.	204.	22.8	172.	24.	84.	124.	131.	275.	140.
10 2 53	43.	-0.	24.	49.	197.	22.8	175.	26.	85.	125.	132.	268.	141.
10 2 58	43.	-0.	23.	51.	210.	23.0	172.	23.	84.	116.	134.	263.	142.
10 3 3	42.	-0.	24.	50.	204.	22.8	173.	24.	84.	120.	134.	267.	138.
10 43 8	42.	-0.	27.	50.	180.	23.2	171.	26.	85.	122.	132.	276.	137.
10 3 13	42.	-0.	26.	51.	184.	22.8	174.	26.	84.	123.	136.	271.	131.
10 3 18	43.	0.	25.	52.	227.	21.6	178.	37.	90.	124.	128.	276.	139.
10 3 23	43.	-0.	24.	53.	222.	22.0	177.	34.	89.	123.	134.	274.	135.
10 3 28	44.	-0.	23.	51.	221.	22.7	191.	40.	87.	121.	138.	267.	131.
10 3 33	43.	-0.	24.	49.	225.	22.4	192.	40.	87.	122.	137.	267.	128.
10 3 38	42.	-0.	24.	50.	217.	22.9	189.	34.	87.	123.	135.	276.	134.
10 43 48	43.	-0.	24.	51.	216.	23.2	188.	38.	86.	126.	134.	271.	135.
10 3 53	40.	-0.	24.	45.	81.	30.9	18.	18.	82.	126.	134.	269.	145.
10 3 58	31.	-0.	23.	43.	76.	28.7	15.	10.	63.	125.	135.	261.	138.
10 4 3	12.	-0.	19.	28.	15.	24.2	14.	5.	27.	124.	137.	269.	134.
10 4 8	10.	-0.	17.	22.	48.	25.1	9.	14.	19.	125.	137.	271.	133.
10 4 8	3.	-0.	15.	16.	78.	30.1	-1.	1.	6.	126.	137.	271.	133.

C COMMUTATOR

TIME H/M/S	EC 109 TEMP AMB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 275	SP 11 TEMP HYD OIL OUT RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
8 57 9	121.	117.	116.	121.	117.	117.	118.	116.	126.	848.	125.	125.	117.
8 57 14	121.	117.	116.	121.	117.	117.	119.	119.	123.	848.	124.	123.	117.
8 57 19	121.	116.	115.	118.	119.	119.	119.	123.	128.	848.	124.	124.	117.
8 57 24	121.	116.	116.	120.	118.	116.	119.	123.	122.	848.	123.	124.	117.
8 57 29	121.	117.	116.	120.	118.	118.	119.	122.	132.	848.	124.	124.	116.
8 57 42	120.	117.	115.	121.	118.	118.	118.	122.	129.	848.	123.	123.	116.
8 57 39	120.	117.	117.	119.	118.	117.	120.	121.	126.	848.	126.	124.	117.
8 57 49	120.	117.	116.	119.	117.	117.	119.	121.	126.	848.	125.	124.	117.
8 57 54	120.	116.	117.	121.	119.	117.	118.	123.	127.	848.	123.	124.	119.
8 57 59	120.	117.	116.	121.	118.	118.	119.	123.	127.	848.	123.	122.	117.
8 58 4	121.	116.	116.	119.	117.	123.	119.	123.	126.	848.	128.	126.	118.
8 58 9	120.	117.	116.	119.	117.	121.	118.	123.	126.	848.	126.	124.	117.
8 58 9	120.	117.	116.	120.	116.	118.	119.	123.	127.	848.	123.	125.	117.
8 58 14	121.	118.	116.	120.	116.	118.	117.	122.	125.	848.	123.	125.	117.
8 58 19	121.	117.	116.	121.	119.	118.	119.	123.	127.	848.	116.	123.	117.
8 58 24	120.	117.	116.	119.	118.	118.	120.	122.	127.	848.	118.	124.	116.
8 58 29	121.	117.	116.	120.	117.	118.	117.	122.	126.	848.	123.	122.	118.
8 58 34	121.	116.	116.	120.	119.	118.	118.	122.	126.	848.	124.	123.	118.
8 58 40	119.	117.	116.	121.	117.	119.	119.	122.	127.	848.	121.	119.	116.
8 58 45	118.	117.	116.	121.	117.	117.	119.	123.	127.	848.	122.	122.	116.
8 58 50	120.	118.	116.	121.	118.	117.	119.	121.	127.	848.	123.	123.	116.
8 58 55	120.	118.	116.	121.	118.	117.	119.	124.	126.	848.	119.	123.	117.
8 59 0	120.	118.	114.	121.	118.	118.	120.	116.	127.	848.	117.	123.	116.
8 59 5	119.	117.	115.	121.	119.	118.	118.	118.	127.	848.	121.	124.	117.
8 59 10	120.	119.	116.	121.	118.	117.	116.	117.	127.	848.	125.	125.	117.
8 59 15	120.	118.	116.	121.	118.	121.	117.	120.	127.	848.	124.	125.	118.
8 59 20	120.	117.	115.	120.	117.	119.	120.	123.	127.	848.	121.	124.	120.
9 10 18	120.	117.	116.	120.	116.	118.	119.	123.	127.	778.	121.	123.	117.
9 10 23	120.	117.	116.	120.	119.	119.	119.	123.	130.	765.	119.	120.	111.
9 10 28	119.	117.	116.	120.	119.	117.	119.	124.	131.	788.	119.	120.	109.
9 10 33	121.	117.	116.	119.	117.	118.	118.	123.	131.	848.	120.	120.	123.
9 10 38	120.	117.	117.	120.	118.	118.	118.	123.	123.	848.	127.	127.	121.
9 10 43	116.	118.	117.	119.	118.	117.	119.	121.	128.	848.	125.	125.	118.
9 10 53	118.	118.	117.	120.	118.	118.	117.	122.	126.	848.	122.	123.	116.
9 10 58	120.	117.	117.	121.	117.	118.	117.	121.	125.	848.	128.	127.	124.
9 11 3	120.	117.	117.	121.	118.	119.	118.	123.	127.	848.	125.	125.	120.
9 11 3	120.	117.	116.	120.	119.	118.	119.	123.	125.	848.	117.	117.	114.
9 51 8	120.	118.	116.	120.	118.	118.	118.	122.	125.	848.	121.	120.	116.
9 11 13	119.	118.	116.	119.	118.	118.	118.	123.	124.	848.	122.	125.	116.
9 11 23	120.	118.	117.	120.	118.	117.	118.	123.	124.	848.	120.	121.	114.
9 11 28	118.	118.	117.	120.	118.	117.	117.	122.	125.	848.	125.	124.	118.
9 11 28	118.	118.	117.	119.	118.	117.	116.	122.	125.	848.	124.	124.	117.
9 11 33	119.	119.	116.	118.	117.	116.	117.	121.	124.	848.	126.	127.	121.
9 11 38	120.	118.	117.	118.	117.	116.	116.	121.	125.	848.	126.	126.	119.
9 11 43	120.	117.	117.	118.	116.	118.	115.	122.	125.	848.	127.	128.	125.

TIME H/M/S	EC 109 TEMP AMB MMW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 275	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
9 51 48	120.	117.	117.	118.	115.	118.	116.	123.	126.	848.	122.	125.	121.
9 11 53	120.	120.	116.	118.	116.	117.	115.	122.	123.	848.	128.	129.	123.
9 51 58	120.	119.	116.	118.	117.	117.	116.	124.	127.	848.	123.	124.	119.
9 12 4	119.	117.	116.	118.	115.	116.	114.	124.	125.	848.	128.	130.	124.
9 12 9	119.	118.	116.	118.	116.	116.	114.	124.	127.	848.	123.	124.	117.
9 12 14	119.	118.	116.	117.	117.	116.	114.	124.	126.	848.	128.	118.	112.
9 12 19	119.	118.	116.	118.	117.	119.	114.	125.	127.	848.	124.	123.	118.
9 12 24	119.	117.	111.	116.	115.	116.	114.	125.	127.	848.	123.	128.	120.
9 12 29	120.	117.	114.	117.	115.	116.	114.	126.	129.	848.	121.	123.	116.
9 12 34	120.	117.	116.	118.	117.	116.	115.	127.	130.	848.	119.	121.	115.
9 12 39	120.	117.	116.	117.	117.	116.	113.	124.	130.	848.	124.	122.	117.
9 12 44	120.	119.	117.	121.	116.	116.	114.	128.	129.	848.	124.	126.	118.
9 12 49	119.	119.	116.	119.	115.	116.	114.	127.	129.	848.	121.	123.	116.
9 12 54	121.	119.	115.	115.	115.	118.	113.	128.	130.	848.	118.	119.	112.
9 12 59	121.	119.	116.	116.	116.	116.	113.	127.	130.	848.	114.	124.	117.
9 13 4	121.	118.	117.	111.	116.	115.	112.	127.	132.	848.	119.	122.	116.
9 13 9	119.	118.	117.	113.	116.	114.	111.	127.	133.	848.	120.	120.	115.
9 13 14	120.	120.	119.	117.	115.	114.	112.	128.	133.	848.	128.	120.	119.
9 13 19	120.	120.	119.	118.	116.	114.	113.	129.	134.	848.	124.	118.	118.
9 13 29	121.	122.	122.	119.	116.	114.	114.	130.	134.	848.	121.	118.	111.
9 13 34	120.	124.	123.	118.	116.	113.	112.	130.	135.	848.	121.	119.	113.
9 13 39	121.	126.	127.	117.	115.	112.	112.	130.	134.	848.	128.	121.	122.
9 13 39	121.	127.	128.	118.	115.	113.	111.	130.	134.	848.	129.	125.	123.
9 13 44	121.	129.	128.	118.	115.	113.	112.	132.	136.	848.	119.	121.	114.
9 13 49	121.	130.	130.	118.	115.	110.	112.	132.	136.	848.	119.	120.	114.
9 13 59	122.	131.	131.	120.	114.	114.	110.	133.	134.	848.	122.	125.	122.
9 14 12	122.	133.	132.	119.	114.	113.	109.	131.	135.	848.	123.	125.	119.
9 14 9	121.	130.	135.	120.	114.	114.	110.	135.	136.	848.	117.	118.	112.
9 14 9	121.	132.	135.	120.	115.	113.	110.	135.	137.	848.	117.	118.	112.
9 14 14	121.	136.	137.	120.	114.	112.	109.	134.	137.	848.	119.	119.	112.
9 14 19	121.	137.	138.	120.	114.	112.	108.	132.	137.	848.	123.	123.	116.
9 14 24	121.	139.	139.	123.	114.	113.	110.	135.	138.	848.	119.	119.	117.
9 14 29	121.	140.	140.	122.	114.	112.	110.	135.	138.	848.	121.	120.	116.
9 14 34	121.	141.	142.	121.	108.	112.	108.	134.	134.	848.	131.	130.	121.
9 14 40	121.	141.	143.	121.	111.	112.	107.	137.	134.	848.	126.	125.	120.
9 14 45	123.	143.	143.	123.	114.	112.	110.	138.	132.	848.	116.	118.	112.
9 14 50	123.	144.	144.	126.	114.	112.	109.	138.	134.	848.	118.	119.	111.
9 14 55	121.	146.	147.	123.	112.	112.	108.	137.	136.	848.	119.	118.	109.
9 15 0	121.	147.	147.	123.	112.	112.	107.	137.	137.	848.	119.	117.	110.
9 15 5	121.	149.	150.	121.	112.	114.	110.	138.	137.	848.	121.	118.	112.
9 15 10	121.	149.	149.	123.	112.	114.	109.	138.	136.	848.	121.	122.	116.
9 15 15	122.	150.	152.	121.	113.	111.	107.	136.	126.	848.	128.	130.	123.
9 15 20	122.	151.	152.	122.	113.	111.	107.	137.	130.	848.	122.	128.	123.
9 15 25	121.	152.	153.	124.	113.	111.	108.	139.	139.	848.	119.	116.	109.
9 15 30	122.	153.	154.	124.	113.	111.	107.	139.	138.	848.	124.	122.	115.
9 15 35	121.	155.	154.	124.	114.	112.	108.	142.	139.	848.	118.	119.	108.
9 15 40	122.	155.	155.	125.	113.	112.	109.	142.	138.	848.	119.	121.	112.
9 15 45	121.	158.	154.	125.	112.	119.	107.	136.	139.	848.	123.	128.	115.
9 15 50	121.	158.	156.	125.	112.	117.	107.	137.	139.	848.	123.	121.	115.

TIME H/M/S	EC 109 TEMP AMB MMW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
9 15 55	121.	157.	157.	125.	113.	116.	105.	136.	139.	848.	127.	124.	116.
9 16 5	120.	159.	157.	126.	112.	109.	106.	140.	138.	848.	124.	124.	116.
9 16 10	122.	161.	158.	122.	114.	105.	107.	143.	141.	848.	124.	125.	120.
9 16 10	121.	162.	157.	122.	113.	106.	107.	144.	141.	848.	123.	124.	116.
9 16 15	123.	160.	161.	121.	114.	106.	108.	147.	139.	848.	123.	129.	118.
9 16 20	121.	164.	160.	122.	113.	109.	108.	143.	141.	848.	123.	124.	115.
9 16 25	123.	159.	167.	118.	113.	109.	106.	145.	141.	848.	132.	123.	118.
9 16 35	124.	160.	168.	119.	109.	107.	107.	147.	140.	848.	131.	125.	119.
9 16 40	123.	162.	169.	117.	112.	108.	108.	149.	143.	848.	127.	125.	121.
9 16 45	123.	166.	168.	117.	113.	112.	108.	144.	143.	848.	125.	487.	119.
9 16 45	121.	172.	164.	120.	114.	110.	108.	141.	144.	848.	119.	848.	108.
9 16 50	121.	171.	166.	119.	113.	108.	108.	142.	144.	848.	119.	448.	108.
9 16 55	125.	166.	174.	120.	114.	104.	106.	149.	141.	848.	123.	848.	116.
9 17 0	122.	169.	174.	121.	109.	107.	105.	146.	143.	848.	119.	848.	114.
9 17 5	123.	169.	178.	121.	114.	108.	107.	150.	141.	848.	125.	848.	119.
9 17 10	124.	172.	176.	121.	114.	105.	106.	149.	143.	848.	123.	848.	117.
9 17 16	122.	170.	180.	121.	110.	112.	108.	144.	144.	848.	123.	848.	117.
9 17 21	122.	171.	179.	121.	112.	114.	108.	146.	141.	848.	121.	848.	115.
9 17 26	124.	173.	182.	119.	114.	107.	106.	151.	142.	848.	123.	848.	117.
9 17 31	124.	178.	177.	120.	114.	107.	107.	147.	144.	848.	119.	485.	117.
9 17 36	125.	176.	181.	119.	113.	105.	106.	152.	145.	848.	125.	120.	120.
9 17 41	125.	174.	184.	119.	113.	110.	106.	152.	143.	848.	126.	127.	119.
9 17 46	124.	175.	183.	117.	114.	110.	107.	150.	143.	848.	123.	127.	120.
9 17 51	124.	177.	181.	119.	113.	110.	107.	149.	144.	848.	125.	124.	118.
9 17 56	123.	178.	185.	118.	113.	115.	107.	149.	142.	848.	124.	124.	119.
9 18 1	124.	179.	184.	120.	114.	110.	110.	149.	143.	848.	125.	124.	116.
9 18 6	123.	178.	189.	118.	113.	113.	105.	153.	142.	848.	124.	128.	117.
9 18 11	123.	184.	185.	119.	113.	111.	106.	149.	145.	848.	121.	124.	114.
9 18 16	126.	180.	191.	120.	115.	105.	107.	155.	142.	848.	127.	128.	121.
9 18 21	126.	183.	189.	120.	115.	103.	106.	152.	143.	848.	126.	123.	116.
9 18 26	125.	178.	194.	121.	112.	108.	105.	154.	141.	848.	128.	127.	118.
9 18 31	124.	181.	193.	122.	113.	111.	106.	152.	143.	848.	126.	125.	116.
9 18 41	127.	186.	193.	122.	112.	107.	110.	155.	143.	848.	126.	115.	119.
9 18 41	126.	188.	192.	122.	113.	105.	109.	153.	144.	848.	124.	119.	117.
9 18 46	126.	191.	193.	121.	113.	101.	107.	150.	145.	848.	118.	125.	119.
9 18 51	125.	190.	195.	120.	113.	107.	107.	150.	144.	848.	121.	125.	117.
9 18 56	124.	192.	196.	120.	112.	116.	107.	150.	145.	848.	119.	122.	111.
9 19 1	124.	192.	196.	119.	113.	112.	107.	151.	146.	848.	119.	120.	110.
9 19 11	122.	193.	196.	124.	112.	115.	105.	151.	145.	848.	122.	123.	111.
9 19 16	123.	194.	195.	124.	113.	114.	106.	148.	146.	848.	122.	121.	109.
9 19 21	128.	193.	198.	121.	112.	108.	106.	152.	143.	848.	126.	128.	120.
9 19 26	126.	193.	200.	121.	113.	111.	106.	155.	144.	848.	124.	127.	119.
9 19 26	127.	191.	208.	129.	113.	108.	107.	158.	145.	848.	127.	125.	119.
9 19 31	126.	191.	202.	127.	113.	108.	107.	157.	145.	848.	128.	126.	119.
9 19 36	126.	198.	198.	125.	112.	105.	105.	152.	144.	848.	125.	127.	115.
9 19 41	124.	198.	200.	126.	111.	107.	105.	152.	146.	848.	123.	118.	112.
9 19 46	125.	203.	197.	126.	114.	106.	106.	149.	147.	848.	128.	121.	106.
9 19 59	125.	201.	195.	127.	109.	105.	105.	148.	148.	848.	119.	119.	118.
9 19 57	127.	199.	204.	127.	113.	103.	106.	154.	146.	848.	127.	121.	117.

TIME H/M/S	EC 109 TEMP AMB MWW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
9 20 2	126.	193.	206.	125.	112.	109.	107.	157.	145.	848.	127.	123.	116.
9 20 7	127.	203.	202.	126.	113.	103.	105.	151.	149.	848.	123.	119.	112.
9 20 12	125.	201.	204.	125.	113.	108.	105.	151.	148.	848.	123.	120.	111.
9 20 17	127.	203.	206.	125.	112.	112.	106.	154.	145.	848.	126.	120.	121.
9 20 22	124.	205.	205.	126.	112.	111.	105.	150.	146.	848.	122.	124.	115.
9 20 27	124.	205.	207.	128.	113.	106.	108.	152.	149.	848.	120.	117.	110.
9 20 32	124.	206.	208.	127.	113.	107.	107.	152.	148.	848.	120.	118.	108.
9 20 37	123.	214.	203.	123.	112.	110.	106.	150.	152.	848.	117.	117.	108.
9 20 42	126.	209.	208.	122.	116.	105.	105.	154.	149.	848.	122.	120.	113.
9 20 47	125.	209.	212.	123.	112.	116.	106.	152.	145.	848.	118.	123.	114.
9 20 52	126.	206.	212.	122.	112.	109.	105.	156.	145.	848.	124.	125.	114.
9 20 57	123.	212.	210.	122.	112.	115.	106.	152.	156.	848.	117.	122.	110.
9 21 2	124.	210.	214.	120.	112.	110.	106.	156.	151.	848.	120.	123.	108.
9 21 7	125.	217.	208.	126.	112.	108.	106.	150.	150.	848.	116.	119.	108.
9 21 17	125.	214.	211.	125.	112.	108.	106.	150.	150.	848.	121.	120.	111.
9 21 17	128.	216.	209.	124.	113.	97.	106.	155.	148.	848.	121.	123.	108.
9 21 22	127.	213.	212.	124.	112.	102.	106.	157.	147.	848.	123.	124.	113.
9 21 27	125.	209.	213.	122.	114.	110.	105.	156.	149.	848.	122.	126.	114.
9 21 32	127.	211.	220.	123.	116.	111.	108.	159.	148.	848.	123.	126.	117.
9 21 37	128.	212.	216.	127.	113.	101.	106.	159.	149.	848.	127.	118.	114.
9 61 47	127.	211.	220.	128.	112.	102.	105.	160.	148.	848.	125.	122.	115.
9 21 52	127.	210.	221.	128.	112.	95.	105.	161.	147.	848.	127.	125.	116.
9 21 57	127.	213.	223.	127.	112.	104.	105.	159.	147.	848.	126.	123.	114.
9 22 2	124.	219.	210.	130.	113.	110.	106.	152.	149.	848.	125.	118.	109.
9 22 2	126.	219.	217.	130.	113.	107.	106.	154.	149.	848.	128.	120.	110.
9 22 7	128.	219.	219.	130.	110.	113.	105.	158.	147.	848.	124.	125.	114.
9 22 12	127.	219.	219.	131.	112.	102.	105.	157.	147.	848.	125.	124.	118.
9 22 17	121.	223.	217.	131.	113.	102.	105.	155.	155.	848.	118.	119.	112.
9 22 22	125.	224.	217.	131.	113.	103.	105.	156.	152.	848.	128.	121.	110.
9 22 35	127.	220.	221.	133.	114.	95.	105.	155.	147.	848.	125.	123.	112.
9 22 33	126.	221.	222.	131.	113.	96.	101.	156.	148.	848.	123.	123.	114.
9 22 38	128.	216.	228.	130.	111.	106.	108.	164.	146.	848.	127.	127.	119.
9 22 43	127.	218.	230.	128.	112.	107.	108.	162.	147.	848.	127.	125.	118.
9 62 48	128.	221.	225.	126.	113.	103.	106.	161.	141.	848.	123.	127.	119.
9 22 53	127.	225.	223.	125.	113.	102.	105.	158.	147.	848.	121.	121.	115.
9 22 58	125.	228.	222.	125.	114.	103.	106.	154.	158.	848.	117.	119.	110.
9 23 3	125.	229.	224.	124.	113.	110.	105.	154.	158.	848.	118.	120.	111.
9 63 8	127.	219.	228.	122.	112.	116.	106.	155.	147.	848.	121.	123.	112.
9 23 13	128.	221.	229.	124.	112.	112.	105.	159.	147.	848.	123.	124.	116.
9 23 18	125.	230.	226.	132.	114.	112.	106.	154.	150.	848.	118.	119.	95.
9 23 23	126.	227.	229.	130.	114.	106.	105.	159.	149.	848.	122.	121.	104.
9 23 28	126.	226.	228.	130.	113.	101.	107.	164.	149.	848.	124.	123.	112.
9 23 33	126.	226.	229.	131.	113.	101.	105.	164.	149.	848.	123.	122.	112.
9 23 38	127.	226.	231.	134.	116.	101.	104.	163.	149.	848.	123.	121.	112.
9 23 43	127.	225.	232.	133.	115.	98.	104.	165.	148.	848.	123.	122.	111.
9 63 48	127.	231.	233.	129.	112.	113.	105.	157.	136.	848.	121.	122.	109.
9 23 53	126.	230.	231.	138.	113.	107.	103.	159.	143.	848.	122.	121.	108.
9 23 58	116.	226.	236.	129.	114.	101.	110.	165.	147.	848.	123.	127.	115.
9 24 3	121.	229.	235.	131.	112.	107.	107.	168.	149.	848.	122.	123.	112.

TIME H/M/S	EC 109 TEMP AMB MWH AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 275	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
9 24 8	127.	230.	235.	136.	113.	102.	104.	165.	149.	848.	123.	118.	116.
9 24 13	127.	231.	233.	136.	113.	102.	104.	164.	151.	848.	119.	120.	114.
9 24 23	127.	229.	237.	137.	114.	105.	105.	167.	149.	848.	126.	123.	118.
9 24 23	128.	231.	237.	138.	114.	104.	105.	165.	149.	848.	124.	122.	118.
9 28 16	127.	260.	262.	154.	118.	115.	100.	160.	150.	848.	128.	125.	111.
9 28 21	126.	254.	265.	153.	120.	107.	100.	165.	150.	848.	122.	125.	118.
9 28 34	124.	239.	260.	155.	121.	105.	103.	168.	152.	848.	128.	122.	107.
9 28 31	124.	248.	259.	154.	121.	104.	102.	170.	151.	848.	119.	122.	108.
9 28 36	124.	253.	260.	158.	118.	103.	102.	171.	154.	848.	120.	123.	105.
9 28 41	126.	259.	263.	157.	119.	106.	102.	164.	154.	848.	122.	124.	108.
9 28 46	128.	260.	268.	152.	121.	105.	103.	102.	151.	848.	122.	125.	114.
9 28 56	127.	268.	263.	152.	122.	108.	103.	165.	149.	848.	120.	123.	111.
9 29 1	125.	263.	260.	154.	121.	108.	103.	165.	152.	848.	122.	119.	107.
9 29 6	125.	262.	260.	155.	122.	110.	103.	166.	152.	848.	121.	120.	109.
9 29 11	127.	267.	263.	155.	120.	115.	103.	161.	154.	848.	128.	121.	113.
9 29 16	127.	268.	264.	155.	120.	113.	100.	160.	154.	848.	122.	124.	114.
9 29 16	127.	265.	270.	156.	121.	106.	103.	162.	152.	848.	125.	124.	116.
9 29 21	127.	265.	266.	156.	121.	110.	103.	165.	152.	848.	122.	123.	112.
9 29 26	127.	266.	268.	153.	121.	103.	102.	158.	156.	848.	123.	124.	105.
9 29 31	127.	267.	267.	153.	119.	107.	101.	158.	154.	848.	124.	124.	109.
9 29 36	127.	270.	268.	154.	128.	106.	102.	160.	154.	848.	122.	124.	116.
9 29 41	126.	266.	269.	154.	121.	104.	102.	165.	153.	848.	122.	122.	112.
9 29 47	125.	262.	271.	154.	121.	111.	103.	178.	152.	848.	116.	119.	107.
9 29 52	126.	266.	269.	153.	121.	112.	102.	171.	152.	848.	117.	120.	107.
9 29 65	124.	261.	269.	156.	123.	106.	101.	173.	151.	848.	121.	120.	105.
9 30 2	125.	266.	268.	155.	121.	110.	101.	168.	151.	848.	123.	122.	107.
9 38 7	126.	266.	265.	147.	121.	114.	103.	167.	152.	848.	121.	121.	109.
9 30 12	126.	265.	266.	151.	120.	113.	102.	167.	152.	848.	123.	122.	113.
9 30 17	127.	269.	275.	155.	123.	102.	101.	161.	152.	848.	121.	122.	108.
9 30 22	126.	270.	272.	155.	122.	105.	102.	161.	153.	848.	120.	120.	106.
9 30 27	125.	266.	272.	152.	123.	100.	103.	169.	152.	848.	117.	119.	106.
9 30 32	125.	265.	273.	152.	123.	101.	102.	171.	152.	848.	120.	119.	107.
9 30 37	126.	265.	279.	151.	120.	100.	103.	167.	151.	848.	124.	123.	107.
9 30 42	126.	266.	269.	152.	120.	104.	103.	169.	152.	848.	122.	122.	110.
9 30 47	127.	265.	273.	153.	122.	101.	102.	172.	151.	848.	127.	122.	113.
9 38 52	127.	268.	272.	154.	121.	104.	102.	169.	152.	848.	127.	124.	114.
9 30 57	127.	268.	275.	154.	123.	102.	101.	170.	151.	848.	118.	119.	108.
9 31 2	127.	268.	277.	154.	123.	104.	102.	172.	152.	848.	117.	117.	108.
9 31 7	125.	264.	275.	156.	123.	99.	102.	173.	150.	848.	124.	121.	106.
9 31 12	125.	266.	275.	156.	122.	105.	102.	174.	151.	848.	123.	120.	105.
9 31 17	126.	269.	270.	156.	123.	104.	101.	175.	152.	848.	119.	119.	106.
9 31 22	127.	278.	274.	155.	123.	102.	101.	169.	153.	848.	121.	118.	109.
9 71 32	128.	277.	275.	156.	123.	114.	103.	161.	155.	848.	118.	120.	108.
9 31 37	127.	275.	279.	154.	124.	108.	102.	165.	156.	848.	119.	120.	109.
9 31 42	127.	275.	277.	149.	122.	116.	101.	170.	157.	848.	121.	121.	103.
9 31 47	128.	274.	280.	149.	122.	111.	102.	169.	157.	848.	124.	125.	108.
9 31.52	121.	270.	279.	150.	121.	111.	97.	176.	155.	848.	128.	120.	108.
9 31 57	123.	271.	280.	148.	122.	107.	100.	177.	153.	848.	128.	119.	107.
9 31 57	125.	275.	275.	146.	121.	110.	103.	171.	158.	848.	126.	119.	107.

TIME H/M/S	EC 109 TEMP AMB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 275	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
9 32 2	126.	276.	275.	144.	121.	110.	103.	172.	156.	848.	124.	120.	107.
9 32 7	128.	283.	278.	141.	121.	112.	103.	167.	158.	848.	123.	116.	111.
9 32 12	128.	282.	278.	141.	121.	109.	103.	165.	160.	848.	124.	121.	114.
9 32 17	129.	278.	281.	140.	121.	106.	103.	164.	160.	848.	127.	124.	114.
9 32 22	129.	279.	279.	141.	120.	109.	100.	168.	160.	848.	125.	124.	111.
9 32 28	129.	285.	278.	139.	120.	110.	103.	165.	161.	848.	125.	125.	115.
9 32 33	129.	278.	282.	139.	120.	105.	103.	168.	150.	848.	126.	124.	114.
9 32 38	128.	280.	280.	138.	119.	108.	103.	164.	158.	848.	127.	123.	114.
9 32 43	127.	279.	285.	137.	119.	107.	103.	167.	158.	848.	127.	125.	112.
9 72 48	116.	276.	286.	138.	121.	100.	97.	177.	158.	848.	121.	123.	112.
9 32 53	120.	280.	283.	138.	120.	100.	100.	171.	160.	848.	121.	120.	110.
9 32 58	116.	280.	280.	135.	119.	108.	105.	167.	159.	848.	126.	115.	110.
9 33 3	121.	283.	282.	134.	119.	109.	104.	168.	159.	848.	125.	120.	110.
9 73 8	128.	283.	278.	133.	119.	112.	102.	168.	157.	848.	121.	123.	114.
9 33 13	127.	279.	284.	131.	120.	104.	102.	169.	157.	848.	122.	120.	110.
9 33 18	116.	273.	284.	129.	119.	106.	103.	170.	155.	848.	123.	121.	103.
9 33 23	120.	275.	283.	130.	118.	108.	103.	178.	153.	848.	123.	122.	106.
9 33 28	130.	280.	289.	131.	119.	99.	102.	167.	158.	848.	120.	121.	110.
9 33 33	130.	282.	286.	131.	118.	102.	102.	165.	159.	848.	126.	123.	112.
9 33 38	129.	286.	283.	130.	118.	109.	103.	164.	160.	848.	125.	123.	116.
9 33 43	128.	286.	282.	130.	118.	107.	103.	167.	159.	848.	124.	123.	114.
9 73 48	129.	281.	281.	127.	117.	110.	103.	172.	154.	848.	125.	125.	114.
9 33 53	127.	278.	284.	127.	118.	105.	102.	175.	156.	848.	124.	121.	110.
9 33 58	129.	283.	280.	126.	119.	102.	104.	167.	158.	848.	127.	122.	113.
9 34 8	129.	283.	280.	125.	118.	105.	103.	169.	158.	848.	127.	122.	112.
9 34 13	128.	281.	292.	127.	119.	97.	102.	171.	158.	848.	124.	121.	107.
9 34 18	128.	280.	289.	127.	118.	103.	101.	175.	156.	848.	120.	120.	106.
9 34 23	116.	280.	287.	129.	117.	103.	103.	178.	152.	848.	121.	118.	106.
9 34 28	122.	280.	287.	122.	115.	106.	105.	178.	154.	848.	124.	120.	107.
9 34 33	132.	284.	289.	125.	115.	111.	97.	172.	156.	848.	126.	122.	105.
9 34 33	131.	287.	285.	127.	116.	110.	99.	173.	157.	848.	125.	123.	108.
9 34 38	128.	285.	291.	133.	119.	101.	100.	169.	156.	848.	120.	123.	112.
9 34 43	130.	285.	291.	135.	118.	104.	100.	167.	156.	848.	128.	124.	111.
9 34 48	128.	286.	286.	136.	117.	109.	101.	172.	158.	848.	126.	127.	114.
9 34 53	128.	284.	287.	137.	118.	110.	101.	173.	156.	848.	124.	124.	110.
9 34 58	131.	289.	288.	140.	117.	108.	100.	162.	158.	848.	121.	124.	111.
9 35 4	130.	284.	292.	142.	118.	107.	100.	170.	156.	848.	125.	126.	112.
9 35 9	129.	290.	288.	145.	120.	103.	100.	165.	158.	848.	124.	122.	110.
9 35 14	130.	288.	288.	145.	119.	103.	101.	178.	157.	848.	123.	123.	103.
9 35 19	126.	285.	291.	145.	119.	105.	103.	177.	156.	848.	121.	123.	112.
9 35 24	126.	281.	293.	144.	119.	105.	103.	179.	156.	848.	122.	121.	110.
9 35 29	130.	290.	287.	139.	119.	105.	101.	167.	158.	848.	124.	123.	114.
9 35 34	130.	285.	291.	138.	119.	105.	101.	175.	155.	848.	124.	121.	112.
9 35 39	130.	285.	292.	136.	118.	105.	101.	182.	156.	848.	124.	119.	110.
9 35 44	130.	285.	294.	136.	118.	105.	98.	180.	156.	848.	123.	121.	110.
9 35 49	130.	286.	299.	134.	120.	105.	101.	172.	156.	848.	123.	116.	105.
9 35 54	129.	286.	299.	134.	119.	104.	101.	172.	155.	848.	122.	118.	107.
9 35 59	129.	294.	293.	136.	119.	105.	103.	160.	159.	848.	126.	121.	108.
9 36 4	129.	293.	292.	135.	120.	101.	103.	165.	158.	848.	126.	121.	111.

TIME H/M/S	EC 109 TEMP AMB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 275	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
9 36 9	129.	291.	300.	134.	119.	105.	101.	164.	158.	848.	121.	121.	108.
9 36 14	130.	289.	301.	133.	119.	105.	102.	169.	157.	848.	120.	121.	109.
9 36 19	129.	293.	295.	132.	120.	105.	103.	163.	160.	848.	125.	121.	108.
9 36 24	129.	291.	295.	132.	119.	105.	103.	172.	161.	848.	125.	120.	108.
9 36 29	128.	299.	291.	132.	119.	105.	103.	163.	164.	848.	127.	130.	108.
9 36 34	128.	296.	294.	133.	119.	104.	103.	168.	165.	848.	123.	125.	108.
9 36 44	128.	292.	296.	129.	120.	105.	101.	172.	166.	848.	125.	121.	106.
9 36 49	129.	290.	299.	129.	119.	105.	101.	174.	166.	848.	124.	118.	106.
9 36 54	128.	286.	300.	128.	116.	105.	103.	188.	163.	848.	122.	116.	108.
9 36 59	129.	290.	298.	127.	117.	105.	103.	182.	165.	848.	125.	116.	108.
9 37 4	127.	286.	301.	130.	117.	105.	101.	186.	164.	848.	123.	120.	110.
9 37 9	127.	290.	298.	128.	117.	105.	102.	181.	164.	848.	119.	123.	109.
9 37 9	127.	298.	280.	130.	119.	105.	95.	165.	166.	848.	127.	119.	109.
9 37 14	127.	298.	289.	130.	119.	105.	99.	165.	168.	848.	126.	121.	108.
9 37 19	126.	299.	294.	130.	121.	105.	103.	164.	167.	848.	125.	122.	108.
9 37 24	126.	294.	300.	129.	119.	105.	103.	175.	162.	848.	124.	122.	108.
9 37 29	129.	286.	307.	130.	119.	106.	105.	186.	160.	848.	123.	123.	105.
9 77 34	129.	292.	300.	129.	118.	105.	104.	185.	161.	848.	123.	121.	105.
9 37 40	126.	299.	305.	128.	117.	105.	103.	178.	163.	848.	123.	123.	112.
9 37 45	127.	295.	304.	129.	118.	105.	103.	181.	162.	848.	125.	122.	110.
9 37 50	126.	280.	305.	130.	117.	105.	102.	185.	159.	848.	124.	121.	112.
9 37 55	127.	289.	299.	129.	117.	105.	102.	180.	160.	848.	125.	123.	110.
9 38 0	128.	294.	306.	128.	119.	105.	103.	175.	161.	848.	125.	122.	103.
9 38 5	128.	300.	300.	128.	118.	105.	103.	171.	162.	848.	125.	124.	106.
9 38 10	126.	286.	307.	127.	119.	105.	103.	186.	157.	848.	125.	121.	106.
9 38 15	127.	289.	306.	126.	117.	106.	99.	186.	157.	848.	123.	122.	107.
9 38 20	128.	299.	304.	128.	119.	106.	102.	169.	161.	848.	127.	116.	107.
9 38 25	128.	299.	304.	127.	118.	105.	101.	168.	162.	848.	126.	119.	107.
9 38 30	128.	289.	312.	128.	118.	105.	102.	180.	163.	848.	123.	124.	106.
9 38 35	128.	289.	310.	127.	118.	105.	102.	184.	163.	848.	125.	123.	106.
9 38 40	128.	293.	308.	129.	117.	103.	102.	178.	169.	848.	124.	117.	106.
9 38 45	128.	292.	309.	128.	119.	104.	102.	183.	166.	848.	123.	119.	109.
9 38 50	129.	298.	297.	134.	117.	105.	102.	183.	168.	848.	128.	123.	95.
9 38 55	129.	301.	295.	130.	118.	105.	101.	177.	169.	848.	125.	121.	103.
9 39 0	128.	288.	312.	125.	117.	105.	102.	194.	167.	848.	126.	121.	105.
9 39 5	128.	291.	311.	125.	117.	105.	102.	187.	170.	848.	124.	120.	107.
9 39 10	127.	298.	303.	126.	116.	101.	101.	186.	173.	848.	125.	121.	108.
9 39 20	127.	302.	299.	126.	116.	102.	101.	181.	176.	848.	124.	121.	109.
9 39 20	128.	294.	304.	127.	123.	106.	95.	191.	172.	848.	127.	121.	107.
9 47 6	128.	304.	312.	128.	117.	105.	96.	174.	165.	785.	123.	122.	106.
9 47 11	127.	314.	319.	128.	112.	103.	97.	172.	152.	679.	123.	117.	106.
9 47 16	127.	311.	324.	128.	111.	103.	96.	172.	153.	681.	122.	119.	108.
9 48 25	128.	304.	312.	130.	112.	106.	97.	181.	152.	833.	125.	121.	105.
9 48 30	128.	313.	321.	131.	113.	104.	99.	168.	154.	841.	123.	121.	102.
9 48 35	127.	319.	329.	133.	115.	103.	97.	156.	156.	848.	123.	121.	101.
10 0 22	126.	319.	329.	133.	115.	102.	96.	163.	155.	787.	123.	119.	101.
10 0 27	128.	326.	349.	130.	115.	101.	100.	158.	158.	802.	120.	121.	103.
10 0 32	128.	324.	346.	129.	114.	101.	97.	161.	157.	825.	122.	121.	105.
10 0 37	128.	332.	336.	126.	112.	100.	97.	165.	156.	848.	124.	119.	103.

TIME H/M/S	EC 109 TEMP AMB MWW AFT S/M	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10 0 42	128.	332.	336.	126.	111.	100.	97.	163.	156.	848.	123.	118.	102.
10 0 47	128.	329.	342.	124.	114.	102.	97.	171.	136.	848.	121.	121.	103.
10 0 52	128.	329.	335.	124.	114.	101.	96.	163.	147.	848.	122.	119.	101.
10 0 57	128.	332.	340.	125.	114.	100.	95.	165.	156.	848.	124.	118.	101.
10 1 2	129.	326.	332.	125.	115.	102.	97.	160.	156.	848.	123.	119.	100.
10 1 12	128.	322.	325.	127.	114.	96.	95.	158.	158.	848.	123.	119.	100.
10 1 17	128.	326.	334.	127.	115.	98.	95.	156.	157.	848.	123.	120.	97.
10 1 22	128.	321.	325.	124.	113.	101.	96.	158.	158.	848.	119.	122.	97.
10 1 27	129.	321.	325.	124.	114.	100.	96.	156.	158.	848.	120.	120.	98.
10 1 32	129.	319.	324.	123.	114.	99.	96.	158.	159.	848.	117.	121.	101.
10 1 32	129.	319.	324.	123.	114.	99.	96.	161.	158.	848.	120.	122.	99.
10 1 42	129.	322.	324.	122.	115.	99.	97.	156.	161.	848.	119.	119.	101.
10 1 42	129.	327.	332.	122.	114.	99.	97.	162.	158.	848.	119.	117.	101.
10 1 47	127.	320.	326.	124.	114.	99.	97.	159.	158.	848.	123.	121.	99.
10 1 52	128.	318.	324.	125.	114.	96.	97.	159.	160.	848.	123.	120.	100.
10 1 57	127.	330.	339.	123.	113.	99.	98.	169.	153.	848.	123.	120.	103.
10 2 2	127.	327.	341.	122.	113.	99.	98.	174.	145.	848.	122.	123.	102.
10 2 7	128.	316.	336.	122.	114.	100.	97.	176.	151.	848.	127.	119.	99.
10 2 13	128.	314.	336.	122.	113.	100.	98.	180.	152.	848.	125.	120.	102.
10 2 18	126.	316.	335.	123.	113.	101.	98.	176.	152.	848.	123.	125.	98.
10 2 23	128.	315.	329.	124.	112.	100.	97.	169.	153.	848.	123.	122.	99.
10 2 28	128.	329.	329.	125.	112.	99.	97.	170.	154.	848.	121.	117.	95.
10 2 33	128.	323.	329.	127.	113.	99.	96.	163.	154.	848.	121.	121.	98.
10 2 38	128.	331.	325.	127.	112.	99.	95.	158.	160.	848.	121.	121.	101.
10 2 43	128.	320.	330.	127.	113.	100.	95.	168.	155.	848.	120.	121.	98.
10 42 48	128.	317.	332.	128.	110.	100.	95.	175.	152.	848.	126.	118.	100.
10 2 53	129.	318.	333.	129.	113.	100.	96.	177.	152.	848.	123.	120.	102.
10 2 58	128.	322.	336.	130.	115.	99.	98.	177.	153.	848.	121.	123.	101.
10 3 3	129.	319.	331.	131.	115.	97.	98.	173.	154.	848.	124.	122.	101.
10 43 8	129.	315.	329.	128.	116.	101.	97.	172.	147.	848.	127.	122.	100.
10 3 13	128.	322.	331.	128.	116.	100.	96.	162.	152.	848.	124.	121.	98.
10 3 18	128.	333.	329.	128.	116.	99.	95.	152.	156.	848.	121.	121.	94.
10 3 23	128.	326.	327.	127.	115.	99.	96.	162.	155.	848.	122.	123.	97.
10 3 28	128.	322.	326.	127.	116.	100.	96.	160.	155.	848.	124.	120.	102.
10 3 33	128.	320.	325.	127.	116.	100.	96.	164.	155.	848.	120.	121.	101.
10 3 38	129.	315.	327.	128.	116.	100.	96.	171.	153.	848.	127.	125.	100.
10 43 48	129.	322.	332.	128.	115.	99.	96.	170.	154.	848.	124.	122.	100.
10 3 53	129.	317.	324.	129.	116.	99.	95.	178.	152.	848.	116.	121.	97.
10 3 58	129.	320.	328.	129.	116.	100.	95.	170.	153.	848.	121.	122.	98.
10 4 3	130.	322.	331.	133.	116.	101.	97.	167.	154.	848.	127.	125.	100.
10 4 8	129.	322.	332.	134.	116.	100.	97.	166.	154.	848.	127.	125.	101.
10 4 8	130.	322.	333.	136.	116.	101.	97.	166.	154.	848.	128.	125.	103.

C COMMUTATOR

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAK COMP UNT
11													
8 57 9	118.	117.	121.	125.	119.	123.	LOW	123.	120.	120.	121.	120.	121.
8 57 14	118.	117.	121.	125.	120.	123.	LOW	123.	120.	120.	121.	120.	120.
8 57 19	117.	117.	123.	124.	121.	125.	LOW	123.	123.	117.	120.	121.	120.
8 57 24	117.	117.	122.	124.	120.	125.	LOW	123.	121.	118.	120.	120.	119.
8 57 29	118.	117.	121.	124.	121.	123.	LOW	121.	120.	117.	119.	121.	120.
8 57 42	117.	116.	121.	124.	120.	122.	LOW	122.	119.	119.	120.	119.	121.
8 57 39	118.	117.	121.	124.	120.	123.	LOW	123.	120.	116.	119.	120.	121.
8 57 49	118.	116.	121.	124.	120.	122.	LOW	123.	119.	117.	119.	119.	120.
8 57 54	117.	116.	121.	124.	121.	123.	LOW	116.	120.	118.	121.	121.	119.
8 57 59	121.	116.	121.	124.	121.	124.	LOW	119.	122.	118.	120.	120.	120.
8 58 4	118.	118.	120.	125.	122.	121.	LOW	122.	124.	118.	116.	121.	121.
8 58 9	117.	118.	120.	124.	122.	122.	LOW	122.	122.	118.	117.	121.	121.
8 58 9	117.	117.	121.	123.	121.	121.	LOW	124.	121.	120.	119.	116.	121.
8 58 14	116.	118.	121.	123.	121.	121.	LOW	123.	121.	120.	119.	117.	120.
8 58 19	119.	117.	121.	121.	119.	121.	LOW	123.	119.	116.	119.	121.	121.
8 58 24	119.	117.	121.	123.	120.	122.	LOW	119.	119.	116.	119.	120.	121.
8 58 29	118.	117.	122.	124.	122.	123.	LOW	121.	121.	124.	118.	119.	121.
8 58 34	118.	117.	121.	125.	121.	123.	LOW	123.	120.	121.	119.	120.	121.
8 58 40	116.	117.	122.	121.	120.	126.	LOW	124.	121.	117.	121.	121.	118.
8 58 45	116.	114.	121.	122.	119.	125.	LOW	124.	121.	117.	121.	120.	120.
8 58 50	118.	117.	120.	124.	120.	125.	LOW	121.	121.	118.	119.	121.	119.
8 58 55	118.	117.	123.	124.	120.	125.	LOW	122.	121.	118.	120.	120.	119.
8 59 0	119.	116.	121.	123.	118.	124.	LOW	116.	122.	117.	121.	121.	119.
8 59 5	118.	116.	121.	124.	119.	125.	LOW	120.	121.	117.	118.	121.	119.
8 59 10	118.	116.	121.	123.	126.	125.	LOW	123.	120.	119.	121.	121.	121.
8 59 15	118.	116.	124.	123.	124.	125.	LOW	123.	121.	117.	119.	121.	121.
8 59 20	116.	117.	121.	125.	122.	124.	LOW	124.	123.	121.	119.	120.	121.
9 10 18	117.	118.	123.	125.	121.	124.	LOW	125.	125.	122.	117.	122.	123.
9 10 23	119.	118.	128.	125.	120.	123.	LOW	126.	121.	121.	119.	121.	121.
9 10 28	119.	118.	127.	125.	120.	124.	LOW	125.	121.	120.	119.	121.	121.
9 10 33	117.	117.	125.	125.	122.	124.	LOW	120.	117.	114.	115.	119.	117.
9 10 38	117.	117.	128.	125.	121.	124.	LOW	123.	120.	117.	118.	122.	122.
9 10 43	118.	117.	125.	126.	120.	123.	LOW	125.	121.	125.	125.	124.	127.
9 10 53	118.	117.	125.	126.	121.	125.	LOW	124.	120.	119.	117.	120.	121.
9 10 58	116.	117.	127.	125.	123.	123.	LOW	123.	121.	120.	120.	116.	122.
9 11 3	117.	118.	126.	126.	123.	124.	LOW	122.	120.	116.	116.	116.	119.
9 11 3	118.	117.	116.	126.	121.	122.	LOW	128.	122.	124.	121.	121.	123.
9 51 8	117.	117.	120.	125.	121.	123.	LOW	127.	124.	123.	121.	124.	124.
9 11 13	118.	117.	124.	126.	124.	122.	LOW	120.	116.	111.	114.	116.	116.
9 11 23	118.	118.	124.	127.	122.	122.	LOW	123.	118.	115.	117.	120.	119.
9 11 28	118.	117.	125.	127.	123.	121.	LOW	125.	118.	121.	121.	127.	124.
9 11 28	118.	118.	125.	127.	122.	121.	LOW	125.	122.	121.	120.	126.	124.
9 11 33	118.	118.	125.	127.	123.	121.	LOW	123.	122.	109.	117.	123.	123.
9 11 38	117.	117.	125.	127.	123.	121.	LOW	123.	122.	111.	117.	124.	123.
9 11 43	116.	116.	125.	128.	123.	120.	LOW	121.	118.	105.	119.	120.	119.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOOR PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
9 51 48	117.	117.	125.	129.	121.	122.	LOW	121.	117.	103.	108.	119.	117.
9 11 53	118.	116.	124.	125.	121.	126.	LOW	122.	119.	102.	110.	122.	121.
9 51 58	119.	116.	124.	126.	121.	123.	LOW	123.	120.	102.	108.	122.	119.
9 12 4	117.	117.	125.	127.	124.	123.	LOW	121.	116.	98.	103.	118.	116.
9 12 9	119.	118.	124.	126.	123.	122.	LOW	123.	118.	99.	103.	119.	117.
9 12 14	119.	118.	124.	128.	121.	123.	LOW	121.	123.	95.	104.	121.	118.
9 12 19	117.	118.	125.	128.	122.	122.	LOW	121.	119.	92.	101.	121.	117.
9 12 24	116.	118.	124.	128.	124.	121.	LOW	119.	116.	87.	92.	117.	112.
9 12 29	117.	118.	124.	127.	122.	122.	LOW	119.	117.	87.	98.	118.	113.
9 12 34	118.	117.	123.	127.	120.	124.	LOW	120.	116.	79.	89.	116.	95.
9 12 39	117.	117.	124.	126.	122.	122.	LOW	121.	119.	84.	91.	120.	106.
9 12 44	118.	119.	125.	128.	123.	122.	LOW	116.	116.	88.	86.	116.	108.
9 12 49	118.	118.	124.	129.	123.	122.	LOW	118.	117.	88.	85.	116.	109.
9 12 54	119.	119.	123.	126.	121.	123.	LOW	121.	120.	82.	86.	119.	110.
9 12 59	118.	119.	123.	127.	122.	121.	LOW	119.	119.	83.	87.	118.	113.
9 13 4	123.	119.	124.	130.	120.	121.	LOW	117.	115.	76.	80.	114.	110.
9 13 9	125.	119.	120.	130.	120.	121.	LOW	120.	118.	80.	83.	110.	113.
9 13 14	129.	119.	125.	127.	123.	121.	LOW	117.	120.	82.	86.	121.	118.
9 13 19	129.	120.	122.	128.	122.	121.	LOW	118.	120.	79.	83.	121.	116.
9 13 29	132.	121.	123.	129.	120.	121.	LOW	119.	119.	76.	78.	115.	111.
9 13 34	133.	119.	124.	129.	120.	121.	LOW	120.	120.	78.	81.	119.	114.
9 13 39	135.	123.	124.	128.	121.	121.	LOW	119.	120.	77.	80.	120.	116.
9 13 39	137.	124.	124.	128.	121.	122.	LOW	116.	118.	74.	77.	118.	113.
9 13 44	136.	128.	118.	130.	118.	121.	LOW	116.	115.	74.	72.	114.	108.
9 13 49	138.	127.	119.	130.	119.	121.	LOW	116.	116.	74.	72.	114.	108.
9 13 59	139.	130.	124.	130.	121.	118.	LOW	113.	112.	69.	70.	114.	107.
9 14 12	140.	130.	123.	129.	121.	118.	LOW	116.	116.	74.	74.	118.	112.
9 14 9	141.	126.	123.	128.	122.	121.	LOW	117.	117.	72.	71.	116.	108.
9 14 9	141.	130.	123.	129.	121.	120.	LOW	119.	118.	74.	72.	117.	110.
9 14 14	142.	134.	121.	130.	121.	119.	LOW	120.	121.	76.	75.	119.	114.
9 14 19	142.	137.	122.	129.	122.	118.	LOW	118.	120.	75.	74.	120.	113.
9 14 24	143.	137.	123.	130.	120.	121.	LOW	114.	114.	66.	66.	112.	107.
9 14 29	143.	137.	122.	130.	120.	121.	LOW	116.	117.	69.	69.	116.	109.
9 14 34	144.	136.	123.	128.	122.	121.	LOW	112.	117.	65.	65.	115.	109.
9 14 40	145.	138.	123.	128.	121.	121.	LOW	112.	116.	63.	64.	114.	107.
9 14 45	147.	139.	123.	130.	121.	122.	LOW	115.	117.	66.	65.	114.	106.
9 14 50	147.	140.	123.	129.	121.	122.	LOW	117.	120.	69.	66.	116.	109.
9 14 55	147.	141.	123.	129.	121.	121.	LOW	119.	122.	71.	68.	119.	113.
9 15 0	148.	143.	123.	129.	120.	120.	LOW	117.	119.	69.	67.	117.	111.
9 15 5	149.	141.	122.	130.	119.	121.	LOW	105.	116.	64.	61.	112.	107.
9 15 10	148.	142.	123.	130.	120.	121.	LOW	106.	115.	62.	58.	111.	106.
9 15 15	147.	141.	121.	129.	123.	118.	LOW	111.	116.	64.	61.	117.	110.
9 15 20	147.	140.	122.	130.	122.	118.	LOW	111.	115.	62.	60.	115.	108.
9 15 25	150.	143.	123.	130.	121.	120.	LOW	115.	118.	67.	62.	116.	108.
9 15 30	149.	144.	123.	129.	120.	121.	LOW	113.	118.	65.	61.	116.	109.
9 15 35	150.	144.	118.	129.	120.	119.	LOW	110.	119.	65.	61.	116.	107.
9 15 40	150.	144.	120.	128.	121.	119.	LOW	109.	117.	63.	60.	113.	108.
9 15 45	155.	149.	122.	129.	121.	120.	LOW	95.	113.	59.	56.	113.	106.
9 15 50	152.	149.	122.	131.	120.	120.	LOW	103.	114.	59.	57.	113.	106.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOOR PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNF
11													
9 15 55	149.	145.	122.	127.	121.	119.	LOW	113.	117.	59.	50.	115.	106.
9 16 5	148.	144.	123.	129.	120.	118.	LOW	112.	117.	61.	57.	114.	106.
9 16 10	146.	141.	121.	129.	119.	117.	LOW	105.	114.	61.	59.	114.	106.
9 16 10	147.	140.	120.	128.	120.	118.	LOW	107.	115.	61.	56.	113.	107.
9 16 15	143.	134.	121.	126.	121.	120.	LOW	100.	111.	61.	54.	114.	105.
9 16 20	147.	141.	119.	128.	121.	118.	LOW	109.	114.	61.	55.	112.	105.
9 16 25	144.	136.	125.	130.	120.	118.	LOW	112.	116.	60.	50.	114.	105.
9 16 35	144.	135.	125.	129.	119.	119.	LOW	110.	115.	59.	56.	112.	105.
9 16 40	140.	137.	125.	126.	119.	118.	LOW	107.	112.	56.	51.	110.	105.
9 16 45	145.	140.	123.	129.	121.	117.	LOW	108.	115.	50.	53.	111.	106.
9 16 45	147.	143.	119.	128.	121.	117.	LOW	109.	117.	61.	50.	111.	106.
9 16 50	149.	142.	120.	127.	118.	118.	LOW	107.	116.	58.	52.	111.	104.
9 16 55	141.	134.	124.	132.	121.	118.	LOW	109.	115.	59.	51.	111.	103.
9 17 0	146.	130.	121.	131.	120.	117.	LOW	109.	116.	60.	51.	111.	104.
9 17 5	141.	134.	122.	132.	116.	118.	LOW	107.	112.	57.	50.	108.	100.
9 17 10	142.	137.	119.	130.	117.	118.	LOW	101.	111.	59.	52.	109.	103.
9 17 16	150.	145.	123.	135.	118.	117.	LOW	108.	116.	58.	54.	110.	103.
9 17 21	151.	143.	124.	132.	119.	117.	LOW	107.	116.	58.	52.	111.	103.
9 17 26	141.	133.	123.	128.	121.	117.	LOW	106.	110.	50.	51.	110.	103.
9 17 31	149.	139.	121.	127.	121.	118.	LOW	106.	114.	60.	52.	111.	105.
9 17 36	141.	137.	121.	129.	119.	117.	LOW	103.	109.	56.	48.	106.	95.
9 17 41	141.	136.	124.	129.	119.	118.	LOW	104.	112.	55.	50.	108.	99.
9 17 46	145.	140.	123.	134.	121.	116.	LOW	105.	113.	58.	49.	108.	104.
9 17 51	148.	142.	123.	134.	119.	117.	LOW	106.	114.	56.	49.	108.	103.
9 17 56	151.	147.	125.	132.	121.	116.	LOW	106.	118.	56.	48.	108.	101.
9 18 1	150.	143.	122.	127.	121.	116.	LOW	105.	117.	56.	48.	109.	103.
9 18 6	144.	136.	121.	132.	120.	116.	LOW	103.	110.	54.	46.	106.	95.
9 18 11	150.	142.	120.	131.	120.	116.	LOW	106.	115.	58.	50.	110.	100.
9 18 16	143.	139.	123.	131.	118.	117.	LOW	103.	112.	56.	49.	108.	104.
9 18 21	149.	141.	121.	128.	118.	118.	LOW	102.	113.	56.	50.	110.	103.
9 18 26	148.	136.	131.	130.	119.	117.	LOW	103.	111.	52.	48.	106.	100.
9 18 31	151.	139.	127.	131.	119.	117.	LOW	101.	114.	54.	48.	107.	101.
9 18 41	146.	136.	125.	126.	121.	117.	LOW	101.	112.	54.	48.	108.	95.
9 18 41	148.	139.	122.	126.	119.	117.	LOW	102.	111.	56.	49.	108.	99.
9 18 46	151.	143.	119.	129.	118.	116.	LOW	103.	108.	55.	49.	108.	103.
9 18 51	152.	142.	120.	127.	119.	117.	LOW	103.	112.	54.	48.	108.	100.
9 18 56	152.	145.	121.	134.	121.	116.	LOW	108.	114.	58.	49.	106.	101.
9 19 1	153.	145.	121.	134.	119.	116.	LOW	104.	114.	58.	51.	107.	101.
9 19 11	154.	139.	121.	131.	119.	117.	LOW	95.	116.	54.	48.	108.	101.
9 19 16	157.	143.	120.	130.	119.	117.	LOW	100.	117.	57.	51.	110.	103.
9 19 21	150.	138.	121.	129.	121.	116.	LOW	97.	110.	52.	42.	105.	99.
9 19 26	149.	139.	121.	131.	120.	116.	LOW	100.	110.	53.	44.	104.	100.
9 19 26	141.	139.	123.	132.	118.	115.	LOW	101.	110.	53.	46.	105.	101.
9 19 31	145.	139.	122.	129.	118.	116.	LOW	99.	109.	51.	46.	105.	99.
9 19 36	149.	141.	119.	125.	119.	116.	LOW	98.	112.	54.	48.	108.	101.
9 19 41	153.	145.	120.	129.	118.	115.	LOW	101.	112.	54.	49.	108.	101.
9 19 46	161.	141.	117.	126.	119.	117.	LOW	100.	114.	58.	42.	109.	103.
9 19 59	159.	144.	116.	127.	118.	111.	LOW	101.	112.	57.	47.	109.	103.
9 19 57	153.	141.	121.	128.	118.	117.	LOW	98.	110.	58.	48.	108.	101.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
9 20 2	152.	142.	123.	130.	118.	116.	LOW	98.	111.	50.	45.	105.	100.
9 20 7	157.	145.	117.	127.	117.	117.	LOW	99.	114.	53.	50.	110.	103.
9 20 12	158.	145.	118.	129.	118.	117.	LOW	100.	113.	53.	49.	109.	101.
9 20 17	149.	141.	119.	127.	113.	116.	LOW	92.	107.	48.	41.	103.	99.
9 20 22	153.	145.	118.	130.	119.	115.	LOW	97.	110.	53.	45.	99.	101.
9 20 27	158.	150.	119.	130.	120.	116.	LOW	103.	110.	53.	53.	113.	105.
9 20 32	160.	149.	119.	130.	119.	116.	LOW	102.	113.	55.	52.	112.	103.
9 20 37	161.	152.	116.	131.	118.	112.	LOW	98.	112.	56.	50.	107.	100.
9 20 42	158.	147.	118.	129.	118.	115.	LOW	97.	110.	53.	49.	106.	100.
9 20 47	156.	148.	120.	132.	117.	116.	LOW	97.	110.	56.	49.	100.	102.
9 20 52	154.	144.	121.	130.	117.	116.	LOW	96.	109.	56.	49.	103.	101.
9 20 57	150.	152.	119.	134.	121.	114.	LOW	97.	110.	67.	48.	104.	95.
9 21 2	158.	147.	122.	133.	120.	115.	LOW	97.	110.	60.	50.	102.	96.
9 21 7	161.	152.	116.	130.	118.	114.	LOW	95.	112.	82.	62.	108.	103.
9 21 17	159.	150.	118.	132.	117.	114.	LOW	97.	110.	83.	64.	106.	101.
9 21 17	159.	147.	116.	126.	113.	116.	LOW	97.	109.	[illegible]	59.	108.	106.
9 21 22	156.	144.	118.	127.	119.	116.	LOW	97.	108.	89.	69.	105.	102.
9 21 27	157.	147.	121.	135.	117.	113.	LOW	99.	110.	91.	73.	104.	97.
9 21 32	152.	144.	121.	133.	116.	114.	LOW	98.	109.	93.	75.	104.	99.
9 21 37	159.	144.	118.	127.	116.	116.	LOW	97.	108.	93.	80.	106.	101.
9 61 47	154.	143.	119.	129.	116.	115.	LOW	97.	107.	93.	79.	105.	99.
9 21 52	153.	141.	120.	126.	117.	117.	LOW	100.	110.	97.	82.	100.	101.
9 21 57	155.	144.	120.	129.	116.	117.	LOW	100.	110.	97.	80.	102.	98.
9 22 2	165.	152.	117.	130.	116.	112.	LOW	99.	110.	100.	83.	105.	99.
9 22 2	162.	151.	116.	129.	117.	113.	LOW	100.	109.	103.	85.	106.	101.
9 22 7	156.	145.	117.	127.	119.	116.	LOW	99.	110.	102.	86.	109.	101.
9 22 12	158.	145.	117.	127.	118.	116.	LOW	99.	109.	101.	87.	106.	101.
9 22 17	161.	149.	115.	132.	117.	113.	LOW	103.	110.	103.	88.	105.	103.
9 22 22	161.	148.	116.	129.	118.	115.	LOW	102.	111.	105.	88.	109.	104.
9 22 35	163.	147.	122.	127.	119.	116.	LOW	101.	110.	103.	88.	108.	102.
9 22 33	160.	148.	119.	128.	116.	115.	LOW	102.	108.	103.	88.	106.	102.
9 22 38	154.	138.	123.	130.	117.	116.	LOW	95.	110.	101.	87.	105.	100.
9 22 43	157.	143.	121.	133.	117.	115.	LOW	96.	107.	100.	83.	105.	100.
9 62 48	156.	141.	118.	130.	116.	114.	LOW	103.	95.	103.	86.	105.	103.
9 22 53	159.	147.	116.	130.	117.	114.	LOW	105.	103.	99.	88.	108.	104.
9 22 58	163.	154.	114.	130.	117.	112.	LOW	106.	108.	103.	84.	107.	102.
9 23 3	161.	152.	115.	132.	118.	111.	LOW	105.	109.	104.	85.	105.	101.
9 63 8	162.	149.	117.	134.	116.	114.	LOW	103.	110.	103.	86.	106.	103.
9 23 13	157.	145.	118.	132.	117.	114.	LOW	104.	109.	101.	85.	105.	102.
9 23 18	167.	151.	116.	130.	118.	115.	LOW	105.	110.	100.	87.	106.	101.
9 23 23	162.	146.	118.	128.	117.	115.	LOW	105.	109.	100.	87.	106.	100.
9 23 28	158.	143.	119.	127.	115.	116.	LOW	100.	108.	95.	87.	107.	100.
9 23 33	159.	143.	119.	124.	116.	116.	LOW	103.	109.	96.	88.	107.	100.
9 23 38	158.	145.	117.	127.	121.	116.	LOW	106.	108.	98.	86.	106.	101.
9 23 43	156.	142.	120.	127.	118.	116.	LOW	106.	108.	98.	86.	105.	100.
9 63 48	164.	147.	118.	130.	118.	117.	LOW	106.	111.	98.	84.	106.	97.
9 23 53	162.	144.	118.	129.	117.	116.	LOW	105.	110.	98.	84.	105.	98.
9 23 58	152.	142.	123.	127.	115.	116.	LOW	108.	108.	99.	86.	107.	101.
9 24 3	159.	146.	120.	129.	117.	115.	LOW	104.	109.	99.	85.	107.	101.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DO>P PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
9 24 8	156.	141.	116.	127.	116.	115.	LOW	106.	108.	100.	82.	106.	101.
9 24 13	157.	142.	116.	128.	116.	114.	LOW	106.	106.	100.	83.	104.	102.
9 24 23	154.	142.	119.	130.	116.	114.	LOW	106.	107.	98.	82.	105.	102.
9 24 23	156.	143.	118.	128.	115.	114.	LOW	108.	106.	97.	82.	103.	100.
9 28 16	163.	152.	117.	134.	118.	114.	LOW	115.	107.	94.	80.	106.	103.
9 28 21	161.	146.	120.	132.	116.	115.	LOW	116.	109.	92.	80.	106.	102.
9 28 34	159.	146.	119.	131.	115.	112.	LOW	113.	103.	89.	80.	102.	99.
9 28 31	158.	143.	118.	131.	116.	113.	LOW	113.	105.	88.	77.	102.	98.
9 28 36	159.	142.	123.	132.	116.	116.	LOW	117.	108.	88.	76.	103.	97.
9 28 41	163.	149.	120.	131.	116.	115.	LOW	117.	108.	89.	81.	106.	101.
9 28 46	160.	148.	116.	134.	119.	114.	LOW	123.	111.	95.	82.	112.	105.
9 28 56	161.	146.	116.	131.	118.	114.	LOW	115.	107.	90.	78.	107.	101.
9 29 1	165.	149.	117.	130.	116.	113.	LOW	111.	105.	84.	74.	102.	97.
9 29 6	163.	148.	118.	131.	116.	112.	LOW	109.	103.	84.	74.	101.	98.
9 29 11	166.	152.	114.	134.	117.	111.	LOW	114.	108.	89.	81.	106.	104.
9 29 16	167.	151.	115.	131.	118.	114.	LOW	115.	110.	91.	82.	108.	105.
9 29 16	163.	153.	119.	136.	116.	114.	LOW	121.	110.	92.	84.	110.	105.
9 29 21	163.	150.	117.	132.	120.	114.	LOW	115.	107.	88.	77.	106.	101.
9 29 26	167.	155.	117.	133.	114.	105.	LOW	121.	113.	95.	80.	111.	109.
9 29 31	167.	153.	116.	131.	115.	109.	LOW	117.	110.	92.	82.	110.	107.
9 29 36	165.	156.	114.	133.	117.	112.	LOW	119.	113.	95.	86.	113.	106.
9 29 41	162.	149.	116.	132.	116.	113.	LOW	117.	109.	89.	82.	109.	101.
9 29 47	152.	144.	119.	132.	116.	113.	LOW	118.	106.	82.	72.	95.	95.
9 29 52	161.	147.	117.	131.	117.	114.	LOW	112.	102.	84.	74.	100.	96.
9 29 65	162.	143.	121.	130.	115.	114.	LOW	114.	105.	81.	76.	103.	96.
9 30 2	164.	145.	117.	131.	116.	113.	LOW	113.	105.	83.	75.	104.	95.
9 30 7	160.	149.	118.	128.	118.	115.	LOW	106.	102.	80.	73.	102.	96.
9 30 12	161.	148.	118.	128.	117.	115.	LOW	108.	104.	80.	74.	103.	97.
9 30 17	163.	150.	117.	135.	118.	114.	LOW	123.	113.	92.	83.	110.	96.
9 30 22	166.	150.	116.	133.	113.	112.	LOW	117.	109.	85.	79.	107.	105.
9 30 27	161.	149.	115.	134.	117.	114.	LOW	119.	108.	85.	74.	105.	101.
9 30 32	161.	146.	117.	133.	115.	113.	LOW	117.	107.	82.	74.	104.	99.
9 30 37	161.	142.	120.	131.	116.	115.	LOW	118.	112.	87.	78.	108.	98.
9 30 42	161.	144.	119.	132.	115.	113.	LOW	113.	105.	84.	74.	105.	103.
9 30 47	165.	145.	116.	127.	115.	113.	LOW	115.	105.	85.	74.	105.	100.
9 30 52	175.	146.	117.	129.	116.	114.	LOW	114.	105.	84.	76.	106.	98.
9 30 57	178.	149.	117.	132.	117.	115.	LOW	118.	108.	86.	75.	106.	98.
9 31 2	178.	150.	118.	133.	117.	114.	LOW	114.	107.	87.	76.	106.	98.
9 31 7	163.	147.	122.	129.	116.	115.	LOW	112.	105.	74.	73.	102.	93.
9 31 12	161.	151.	121.	132.	115.	114.	LOW	111.	102.	77.	71.	96.	93.
9 31 17	161.	149.	119.	131.	117.	114.	LOW	114.	106.	82.	71.	100.	96.
9 31 22	167.	153.	118.	133.	115.	114.	LOW	119.	109.	88.	78.	105.	101.
9 71 32	176.	156.	116.	132.	117.	115.	LOW	114.	107.	85.	77.	108.	102.
9 31 37	170.	156.	117.	131.	117.	114.	LOW	117.	109.	88.	79.	109.	103.
9 31 42	171.	154.	116.	132.	118.	114.	LOW	112.	95.	84.	76.	105.	99.
9 31 47	169.	153.	117.	132.	118.	114.	LOW	114.	102.	83.	76.	106.	101.
9 31 52	159.	152.	119.	134.	117.	113.	LOW	113.	104.	88.	71.	99.	93.
9 31 57	160.	153.	118.	133.	115.	113.	LOW	115.	99.	81.	73.	101.	96.
9 31 57	171.	161.	117.	130.	114.	115.	LOW	112.	103.	77.	73.	101.	95.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC.	EC 74 NAX COMP UNT
11													
9 32 2	168.	159.	117.	130.	116.	114.	LOW	118.	193.	79.	71.	101.	95.
9 32 7	174.	158.	114.	138.	118.	114.	LOW	185.	106.	84.	74.	106.	101.
9 32 12	172.	160.	114.	132.	117.	113.	LOW	112.	188.	86.	78.	109.	104.
9 32 17	174.	160.	118.	134.	115.	113.	LOW	118.	110.	88.	81.	108.	103.
9 32 22	173.	161.	116.	132.	116.	113.	LOW	115.	107.	85.	77.	108.	102.
9 32 28	171.	167.	114.	133.	117.	112.	LOW	115.	109.	89.	77.	110.	105.
9 32 33	167.	160.	118.	133.	116.	112.	LOW	117.	108.	87.	77.	109.	104.
9 32 38	173.	165.	117.	132.	116.	112.	LOW	115.	106.	85.	75.	106.	95.
9 32 43	170.	159.	118.	130.	116.	113.	LOW	117.	109.	85.	75.	107.	99.
9 72 48	160.	156.	119.	132.	116.	112.	LOW	118.	110.	84.	75.	106.	101.
9 32 53	166.	158.	116.	133.	115.	111.	LOW	119.	110.	85.	75.	107.	102.
9 32 58	175.	160.	116.	130.	116.	114.	LOW	113.	106.	88.	72.	105.	97.
9 33 3	175.	159.	112.	131.	116.	113.	LOW	116.	107.	82.	73.	105.	98.
9 73 8	169.	160.	107.	132.	117.	110.	LOW	113.	105.	85.	73.	106.	101.
9 33 13	168.	157.	114.	133.	116.	111.	LOW	117.	106.	84.	72.	105.	99.
9 33 18	165.	150.	123.	129.	114.	113.	LOW	112.	101.	74.	64.	99.	98.
9 33 23	165.	152.	121.	129.	114.	113.	LOW	111.	101.	74.	65.	99.	92.
9 33 28	168.	158.	116.	132.	116.	113.	LOW	123.	115.	88.	77.	111.	104.
9 33 33	169.	159.	116.	132.	116.	111.	LOW	122.	114.	89.	78.	112.	105.
9 33 38	172.	164.	114.	132.	115.	110.	LOW	116.	108.	84.	74.	110.	105.
9 33 43	171.	162.	114.	132.	116.	110.	LOW	115.	105.	82.	72.	105.	101.
9 73 48	167.	152.	118.	130.	114.	111.	LOW	113.	101.	88.	68.	103.	99.
9 33 53	162.	151.	118.	131.	114.	111.	LOW	116.	104.	88.	69.	103.	98.
9 33 58	171.	163.	116.	132.	120.	112.	LOW	123.	105.	88.	79.	111.	106.
9 34 8	171.	160.	116.	131.	113.	112.	LOW	117.	104.	81.	75.	106.	101.
9 34 13	169.	158.	116.	131.	116.	114.	LOW	125.	116.	86.	76.	109.	102.
9 34 18	165.	153.	116.	131.	116.	113.	LOW	119.	109.	79.	66.	104.	97.
9 34 23	159.	150.	118.	132.	113.	111.	LOW	112.	97.	74.	64.	95.	94.
9 34 28	162.	149.	119.	138.	113.	111.	LOW	112.	99.	72.	65.	97.	84.
9 34 33	167.	153.	115.	127.	114.	113.	LOW	113.	108.	72.	67.	101.	94.
9 34 33	165.	153.	116.	128.	114.	112.	LOW	116.	104.	73.	69.	103.	97.
9 34 38	173.	155.	117.	133.	116.	112.	LOW	128.	108.	81.	66.	103.	96.
9 34 43	172.	155.	116.	131.	115.	111.	LOW	122.	113.	83.	71.	106.	99.
9 34 48	167.	152.	115.	128.	111.	112.	LOW	112.	102.	76.	64.	99.	94.
9 34 53	166.	151.	116.	128.	114.	112.	LOW	113.	103.	76.	65.	99.	93.
9 34 58	178.	158.	116.	132.	116.	110.	LOW	116.	106.	79.	71.	105.	103.
9 35 4	166.	151.	118.	132.	116.	112.	LOW	116.	105.	77.	69.	101.	98.
9 35 9	172.	160.	116.	132.	114.	112.	LOW	126.	112.	89.	88.	110.	105.
9 35 14	168.	154.	117.	132.	113.	112.	LOW	116.	105.	81.	73.	103.	108.
9 35 19	168.	149.	117.	132.	113.	111.	LOW	114.	99.	73.	65.	95.	93.
9 35 24	159.	144.	118.	133.	113.	111.	LOW	117.	103.	75.	67.	98.	91.
9 35 29	168.	154.	112.	129.	118.	111.	LOW	111.	100.	74.	69.	101.	97.
9 35 34	162.	149.	116.	131.	115.	111.	LOW	115.	101.	75.	68.	99.	95.
9 35 39	163.	154.	118.	130.	113.	112.	LOW	105.	99.	75.	66.	95.	93.
9 35 44	165.	154.	118.	131.	115.	112.	LOW	111.	101.	74.	65.	96.	89.
9 35 49	179.	167.	119.	130.	116.	114.	LOW	127.	116.	83.	79.	108.	102.
9 35 54	178.	166.	118.	133.	116.	113.	LOW	127.	114.	84.	78.	108.	102.
9 35 59	187.	183.	115.	132.	118.	105.	LOW	125.	111.	86.	82.	111.	108.
9 36 4	188.	176.	114.	131.	112.	108.	LOW	115.	104.	79.	74.	105.	102.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DISP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 MAX COMP UNI
11													
9 36 9	174.	170.	114.	138.	116.	112.	LOW	127.	115.	89.	78.	105.	103.
9 36 14	171.	165.	117.	135.	115.	112.	LOW	126.	112.	86.	77.	105.	102.
9 36 19	182.	160.	114.	132.	116.	114.	LOW	127.	119.	86.	82.	113.	105.
9 36 24	175.	154.	116.	129.	115.	114.	LOW	128.	109.	77.	76.	105.	98.
9 36 29	180.	165.	112.	128.	114.	108.	LOW	117.	106.	77.	74.	104.	101.
9 36 34	174.	162.	114.	132.	103.	118.	LOW	116.	110.	83.	77.	106.	102.
9 36 44	174.	162.	117.	129.	116.	114.	LOW	127.	116.	85.	83.	113.	105.
9 36 49	172.	160.	118.	133.	115.	113.	LOW	127.	114.	85.	81.	110.	103.
9 36 54	160.	146.	119.	133.	115.	111.	LOW	121.	106.	77.	71.	101.	93.
9 36 59	166.	151.	117.	130.	114.	111.	LOW	117.	103.	73.	72.	99.	93.
9 37 4	159.	149.	118.	134.	113.	95.	LOW	116.	102.	74.	68.	95.	93.
9 37 9	163.	151.	116.	129.	115.	104.	LOW	116.	101.	74.	68.	95.	93.
9 37 9	177.	165.	116.	139.	112.	112.	LOW	124.	110.	84.	82.	109.	108.
9 37 14	178.	163.	116.	130.	114.	113.	LOW	124.	107.	84.	82.	110.	106.
9 37 19	188.	165.	116.	131.	114.	113.	LOW	121.	110.	82.	81.	108.	105.
9 37 24	168.	155.	120.	132.	114.	112.	LOW	121.	108.	78.	76.	104.	99.
9 37 29	162.	143.	120.	132.	114.	115.	LOW	121.	105.	74.	73.	96.	91.
9 77 34	165.	149.	120.	131.	114.	114.	LOW	122.	106.	77.	73.	99.	94.
9 37 40	163.	149.	115.	129.	113.	112.	LOW	119.	103.	76.	53.	95.	91.
9 37 45	163.	148.	117.	129.	112.	113.	LOW	119.	103.	74.	62.	96.	91.
9 37 50	164.	152.	120.	132.	115.	112.	LOW	120.	105.	74.	69.	101.	91.
9 37 55	171.	160.	117.	128.	116.	110.	LOW	117.	104.	74.	71.	101.	93.
9 38 0	181.	171.	119.	132.	117.	114.	LOW	128.	115.	83.	79.	108.	101.
9 38 5	186.	175.	116.	130.	116.	114.	LOW	122.	111.	81.	78.	108.	101.
9 38 10	162.	163.	120.	132.	114.	112.	LOW	121.	104.	74.	69.	95.	90.
9 38 15	163.	157.	119.	134.	115.	108.	LOW	121.	106.	74.	71.	99.	93.
9 38 20	190.	182.	116.	132.	116.	114.	LOW	128.	117.	85.	81.	111.	103.
9 38 25	192.	183.	116.	133.	116.	114.	LOW	127.	117.	79.	80.	112.	103.
9 38 30	187.	180.	123.	136.	113.	112.	LOW	124.	107.	79.	74.	103.	96.
9 38 35	184.	177.	122.	132.	114.	113.	LOW	121.	105.	75.	72.	100.	91.
9 38 40	188.	183.	121.	138.	114.	108.	LOW	128.	112.	82.	78.	100.	101.
9 38 45	173.	178.	120.	137.	115.	110.	LOW	125.	110.	81.	74.	104.	97.
9 38 50	180.	169.	115.	129.	114.	112.	LOW	113.	102.	78.	68.	99.	93.
9 38 55	182.	178.	111.	130.	114.	111.	LOW	114.	103.	74.	69.	101.	95.
9 39 0	169.	154.	116.	134.	110.	113.	LOW	125.	108.	76.	72.	101.	95.
9 39 5	171.	158.	117.	135.	113.	113.	LOW	125.	109.	79.	72.	103.	97.
9 39 10	176.	161.	116.	127.	114.	112.	LOW	113.	99.	68.	66.	98.	90.
9 39 20	180.	166.	113.	129.	112.	111.	LOW	115.	102.	73.	68.	100.	93.
9 39 28	171.	155.	118.	130.	113.	114.	LOW	117.	101.	71.	63.	95.	89.
9 47 6	167.	151.	115.	129.	113.	114.	LOW	113.	104.	70.	65.	100.	94.
9 47 11	166.	156.	117.	134.	113.	112.	LOW	110.	105.	64.	60.	95.	79.
9 47 16	158.	148.	111.	130.	113.	113.	LOW	106.	103.	61.	57.	95.	84.
9 48 25	160.	143.	112.	136.	114.	110.	LOW	106.	103.	61.	58.	95.	84.
9 48 30	164.	146.	115.	134.	114.	110.	LOW	103.	102.	61.	59.	98.	89.
9 48 35	165.	148.	118.	133.	116.	110.	LOW	98.	97.	61.	59.	98.	90.
10 0 22	159.	145.	114.	134.	112.	109.	LOW	98.	97.	61.	58.	95.	86.
10 0 27	158.	149.	109.	128.	110.	111.	LOW	86.	92.	52.	54.	90.	79.
10 0 32	159.	147.	109.	128.	111.	110.	LOW	85.	91.	54.	53.	90.	80.
10 0 37	174.	163.	114.	134.	111.	108.	LOW	83.	89.	53.	48.	89.	78.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOOR PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 MAX COMP UNI
11													
10 8 42	172.	158.	115.	133.	111.	108.	LOW	83.	89.	52.	46.	88.	76.
10 8 47	171.	168.	112.	128.	111.	108.	LOW	88.	94.	57.	58.	94.	84.
10 8 52	170.	148.	114.	132.	111.	107.	LOW	86.	92.	53.	52.	85.	79.
10 8 57	173.	155.	116.	130.	111.	108.	LOW	85.	84.	55.	53.	90.	82.
10 1 2	166.	148.	116.	133.	111.	107.	LOW	88.	87.	53.	51.	88.	77.
10 1 12	160.	141.	113.	137.	111.	107.	LOW	92.	92.	51.	48.	85.	71.
10 1 17	162.	145.	113.	135.	108.	107.	LOW	88.	91.	53.	51.	87.	75.
10 1 22	154.	141.	112.	126.	110.	108.	LOW	90.	91.	48.	48.	82.	72.
10 1 27	157.	145.	114.	131.	110.	108.	LOW	98.	91.	48.	48.	83.	73.
10 1 32	155.	142.	112.	130.	110.	108.	LOW	95.	95.	48.	51.	85.	75.
10 1 32	153.	139.	111.	131.	110.	108.	LOW	95.	96.	52.	54.	88.	78.
10 1 42	158.	144.	112.	132.	109.	108.	LOW	90.	91.	49.	48.	83.	72.
10 1 42	164.	152.	113.	129.	110.	108.	LOW	87.	92.	58.	52.	88.	78.
10 1 47	158.	141.	114.	137.	112.	108.	LOW	98.	92.	50.	48.	82.	75.
10 1 52	158.	139.	115.	137.	108.	107.	LOW	91.	92.	51.	48.	84.	74.
10 1 57	171.	160.	113.	127.	110.	106.	LOW	84.	93.	52.	52.	93.	84.
10 2 2	168.	157.	111.	125.	111.	107.	LOW	84.	93.	53.	54.	92.	86.
10 2 7	160.	145.	108.	129.	112.	107.	LOW	91.	101.	61.	58.	97.	89.
10 2 13	159.	143.	109.	126.	111.	107.	LOW	92.	102.	60.	58.	97.	87.
10 2 18	152.	145.	106.	127.	112.	109.	LOW	95.	99.	61.	53.	96.	86.
10 2 23	154.	148.	108.	131.	111.	108.	LOW	93.	96.	57.	58.	91.	80.
10 2 28	170.	160.	113.	134.	112.	109.	LOW	84.	95.	59.	57.	97.	90.
10 2 33	161.	149.	111.	131.	112.	108.	LOW	90.	97.	57.	56.	95.	86.
10 2 38	164.	152.	114.	130.	106.	108.	LOW	82.	86.	48.	45.	82.	78.
10 2 43	165.	150.	112.	129.	109.	107.	LOW	86.	92.	51.	51.	90.	79.
10 42 48	159.	143.	108.	126.	112.	95.	LOW	93.	101.	62.	56.	94.	85.
10 2 53	161.	146.	104.	125.	111.	101.	LOW	92.	101.	60.	57.	96.	85.
10 2 58	164.	152.	108.	125.	108.	107.	LOW	91.	101.	58.	58.	96.	85.
10 3 3	168.	145.	108.	128.	110.	107.	LOW	92.	98.	57.	55.	93.	82.
10 43 8	156.	139.	108.	130.	112.	95.	LOW	93.	97.	60.	53.	92.	80.
10 3 13	160.	143.	111.	131.	112.	101.	LOW	86.	90.	52.	49.	83.	77.
10 3 18	169.	152.	115.	128.	111.	107.	LOW	86.	95.	58.	56.	95.	86.
10 3 23	168.	146.	112.	131.	108.	108.	LOW	87.	93.	55.	52.	89.	88.
10 3 28	158.	141.	110.	137.	112.	108.	LOW	86.	89.	50.	46.	82.	74.
10 3 33	155.	139.	110.	136.	111.	108.	LOW	86.	90.	50.	45.	83.	72.
10 3 38	155.	138.	108.	131.	112.	107.	LOW	91.	96.	58.	53.	88.	79.
10 43 48	163.	149.	110.	127.	111.	107.	LOW	87.	94.	57.	53.	91.	81.
10 3 53	147.	139.	105.	126.	112.	106.	LOW	88.	90.	56.	57.	98.	88.
10 3 58	155.	144.	108.	127.	112.	107.	LOW	85.	93.	57.	56.	95.	86.
10 4 3	157.	148.	111.	128.	112.	106.	LOW	81.	88.	47.	48.	85.	77.
10 4 8	161.	148.	111.	128.	111.	107.	LOW	82.	90.	50.	50.	87.	78.
10 4 8	167.	151.	114.	128.	108.	110.	LOW	84.	91.	51.	50.	88.	78.

C COMMUTATOR

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 NUC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
8 57 9	120.	122.	124.	125.	119.	123.	119.	115.	125.	LOW	117.	121.	119.
8 57 14	119.	123.	122.	124.	119.	121.	112.	116.	127.	LOW	118.	121.	119.
8 57 19	116.	123.	121.	123.	120.	122.	125.	118.	114.	LOW	119.	117.	119.
8 57 24	117.	123.	120.	123.	119.	120.	118.	1.7.	120.	LOW	118.	120.	119.
8 57 29	119.	121.	116.	123.	119.	124.	125.	116.	120.	LOW	118.	121.	118.
8 57 42	119.	121.	118.	123.	118.	122.	110.	116.	123.	LOW	119.	121.	119.
8 57 39	116.	121.	123.	116.	116.	124.	135.	117.	121.	LOW	117.	120.	118.
8 57 49	118.	122.	121.	-118.	118.	125.	132.	116.	119.	LOW	118.	122.	120.
8 57 54	119.	123.	117.	121.	120.	121.	130.	117.	119.	LOW	119.	123.	121.
8 57 59	128.	122.	118.	122.	120.	121.	132.	117.	120.	LOW	118.	121.	120.
8 58 4	119.	123.	119.	123.	123.	119.	136.	121.	119.	LOW	118.	122.	119.
8 58 9	118.	123.	121.	119.	122.	120.	122.	119.	123.	LOW	119.	118.	118.
8 58 9	118.	123.	121.	120.	119.	123.	114.	118.	116.	LOW	124.	123.	117.
8 58 14	117.	123.	121.	120.	119.	119.	112.	118.	119.	LOW	123.	123.	118.
8 58 19	121.	123.	121.	121.	119.	124.	125.	119.	122.	LOW	121.	123.	117.
8 58 24	120.	122.	118.	121.	119.	123.	115.	118.	124.	LOW	121.	123.	118.
8 58 29	118.	123.	119.	120.	122.	123.	125.	121.	121.	LOW	124.	122.	117.
8 58 34	118.	122.	118.	121.	120.	124.	125.	119.	120.	LOW	121.	119.	118.
8 58 40	121.	123.	117.	121.	120.	119.	117.	118.	118.	LOW	120.	121.	121.
8 58 45	120.	123.	116.	122.	121.	119.	122.	118.	118.	LOW	119.	119.	120.
8 58 50	128.	122.	119.	123.	121.	121.	130.	118.	122.	LOW	120.	120.	121.
8 58 55	119.	122.	119.	123.	120.	120.	129.	117.	117.	LOW	119.	119.	121.
8 59 0	119.	123.	120.	123.	121.	121.	122.	119.	121.	LOW	119.	119.	119.
8 59 5	120.	123.	119.	123.	121.	118.	121.	118.	121.	LOW	120.	119.	119.
8 59 10	119.	123.	117.	123.	123.	118.	128.	119.	125.	LOW	118.	118.	119.
8 59 15	119.	122.	118.	123.	122.	118.	133.	120.	122.	LOW	120.	118.	119.
8 59 20	119.	122.	119.	123.	123.	119.	131.	121.	113.	LOW	121.	119.	117.
9 10 18	128.	122.	119.	122.	123.	119.	128.	120.	118.	LOW	121.	119.	119.
9 10 23	118.	124.	118.	123.	116.	119.	132.	121.	118.	LOW	120.	117.	119.
9 10 28	118.	122.	118.	122.	118.	119.	131.	121.	119.	LOW	118.	120.	119.
9 10 33	117.	123.	119.	122.	120.	120.	119.	118.	120.	LOW	116.	121.	123.
9 10 38	120.	125.	118.	122.	120.	119.	119.	118.	123.	LOW	119.	121.	121.
9 10 43	123.	126.	119.	123.	121.	121.	119.	117.	121.	LOW	119.	122.	119.
9 10 53	120.	122.	118.	121.	121.	120.	117.	117.	119.	LOW	119.	121.	120.
9 10 58	121.	126.	119.	121.	123.	121.	121.	120.	122.	LOW	121.	116.	118.
9 11 3	118.	121.	119.	120.	122.	128.	119.	120.	124.	LOW	122.	118.	117.
9 11 3	119.	119.	121.	119.	123.	123.	120.	121.	119.	LOW	121.	121.	117.
9 51 8	121.	123.	120.	119.	122.	120.	113.	121.	119.	LOW	122.	120.	119.
9 11 13	116.	119.	119.	120.	121.	119.	123.	116.	120.	LOW	123.	118.	120.
9 11 23	118.	120.	119.	120.	122.	120.	122.	118.	118.	LOW	122.	120.	118.
9 11 28	122.	127.	120.	121.	119.	120.	116.	119.	121.	LOW	121.	122.	118.
9 11 28	123.	127.	119.	121.	119.	120.	119.	119.	121.	LOW	123.	121.	117.
9 11 33	121.	127.	121.	121.	119.	119.	119.	119.	123.	LOW	121.	121.	117.
9 11 38	121.	127.	120.	121.	118.	119.	117.	118.	121.	LOW	120.	121.	118.
9 11 43	117.	121.	121.	121.	121.	116.	120.	119.	116.	LOW	121.	121.	120.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 NOC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
9 51 48	115.	120.	120.	121.	118.	116.	120.	118.	118.	LOW	120.	122.	119.
9 11 53	122.	123.	118.	123.	120.	114.	119.	116.	121.	LOW	118.	120.	119.
9 51 58	119.	121.	117.	123.	120.	114.	125.	117.	118.	LOW	119.	119.	118.
9 12 4	119.	121.	116.	121.	121.	113.	125.	118.	112.	LOW	121.	119.	117.
9 12 9	119.	122.	117.	119.	121.	113.	120.	119.	113.	LOW	121.	118.	116.
9 12 14	119.	121.	116.	121.	116.	112.	125.	117.	108.	LOW	118.	121.	117.
9 12 19	120.	122.	116.	121.	118.	104.	123.	118.	110.	LOW	119.	120.	116.
9 12 24	116.	120.	114.	120.	117.	106.	121.	120.	108.	LOW	122.	118.	116.
9 12 29	116.	119.	116.	121.	116.	107.	119.	118.	111.	LOW	119.	118.	115.
9 12 34	112.	115.	113.	121.	116.	105.	110.	118.	113.	LOW	117.	119.	117.
9 12 39	117.	120.	113.	120.	117.	106.	108.	118.	113.	LOW	118.	118.	116.
9 12 44	114.	117.	113.	119.	118.	106.	117.	119.	110.	LOW	121.	119.	116.
9 12 49	114.	116.	114.	119.	118.	107.	114.	118.	115.	LOW	119.	119.	115.
9 12 54	114.	117.	115.	117.	119.	110.	113.	116.	118.	LOW	117.	119.	114.
9 12 59	117.	119.	116.	116.	118.	110.	120.	116.	118.	LOW	117.	119.	113.
9 13 4	105.	116.	114.	121.	116.	108.	111.	117.	117.	LOW	116.	121.	114.
9 13 9	111.	118.	114.	121.	116.	108.	114.	116.	115.	LOW	115.	121.	115.
9 13 14	121.	122.	112.	122.	116.	107.	117.	117.	118.	LOW	116.	120.	116.
9 13 19	118.	119.	113.	121.	116.	108.	122.	116.	115.	LOW	112.	120.	115.
9 13 29	114.	116.	115.	122.	116.	108.	116.	114.	117.	LOW	105.	119.	114.
9 13 34	117.	118.	113.	122.	116.	108.	118.	115.	115.	LOW	109.	120.	114.
9 13 39	121.	122.	110.	122.	116.	106.	116.	117.	118.	LOW	117.	119.	105.
9 13 39	118.	120.	111.	122.	116.	100.	117.	117.	114.	LOW	116.	119.	111.
9 13 44	112.	113.	114.	121.	114.	107.	113.	115.	116.	LOW	111.	116.	114.
9 13 49	112.	113.	113.	122.	115.	107.	111.	116.	116.	LOW	113.	117.	113.
9 13 59	114.	115.	112.	119.	116.	107.	117.	116.	117.	LOW	116.	120.	113.
9 14 12	111.	118.	112.	118.	116.	106.	114.	116.	116.	LOW	116.	120.	112.
9 14 9	113.	114.	112.	118.	118.	107.	121.	116.	117.	LOW	116.	117.	112.
9 14 9	115.	115.	112.	117.	118.	106.	120.	117.	114.	LOW	117.	118.	111.
9 14 14	119.	117.	110.	118.	117.	105.	116.	118.	111.	LOW	118.	119.	111.
9 14 19	120.	119.	111.	118.	116.	105.	116.	117.	113.	LOW	117.	118.	112.
9 14 24	110.	112.	110.	119.	114.	105.	106.	115.	112.	LOW	114.	119.	112.
9 14 29	115.	116.	108.	119.	114.	102.	113.	116.	112.	LOW	114.	119.	113.
9 14 34	117.	117.	108.	122.	111.	103.	127.	116.	110.	LOW	114.	116.	113.
9 14 40	114.	115.	108.	121.	108.	103.	122.	116.	108.	LOW	114.	117.	114.
9 14 45	114.	110.	108.	121.	116.	100.	116.	116.	111.	LOW	113.	116.	114.
9 14 50	116.	113.	107.	119.	116.	100.	118.	116.	111.	LOW	114.	116.	114.
9 14 55	117.	116.	105.	120.	115.	99.	119.	117.	110.	LOW	116.	114.	113.
9 15 0	116.	115.	107.	120.	114.	101.	120.	116.	108.	LOW	113.	116.	112.
9 15 5	112.	112.	110.	120.	113.	103.	120.	114.	114.	LOW	112.	116.	111.
9 15 10	112.	112.	109.	119.	112.	103.	113.	110.	112.	LOW	113.	117.	112.
9 15 15	116.	117.	109.	119.	115.	105.	127.	115.	110.	LOW	112.	117.	110.
9 15 20	115.	115.	109.	118.	113.	105.	125.	115.	110.	LOW	112.	115.	111.
9 15 25	108.	112.	108.	119.	112.	100.	123.	114.	106.	LOW	111.	117.	111.
9 15 30	114.	115.	107.	120.	112.	99.	114.	115.	110.	LOW	112.	117.	112.
9 15 35	114.	112.	105.	122.	110.	99.	127.	117.	110.	LOW	114.	113.	105.
9 15 40	116.	114.	105.	120.	113.	99.	119.	117.	109.	LOW	112.	114.	107.
9 15 45	114.	112.	106.	120.	111.	99.	110.	112.	115.	LOW	113.	116.	110.
9 15 50	115.	113.	106.	119.	111.	99.	109.	112.	113.	LOW	109.	115.	111.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 OOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
9 15 55	118.	112.	105.	119.	112.	97.	112.	114.	110.	LOW	113.	116.	113.
9 16 5	116.	113.	100.	117.	111.	99.	115.	116.	105.	LOW	114.	116.	110.
9 16 10	117.	114.	107.	117.	110.	103.	112.	114.	116.	LOW	114.	117.	108.
9 16 10	115.	112.	106.	116.	113.	101.	116.	116.	111.	LOW	115.	116.	109.
9 16 15	112.	112.	105.	117.	114.	98.	110.	117.	111.	LOW	117.	116.	110.
9 16 20	113.	113.	106.	117.	112.	99.	107.	115.	112.	LOW	116.	116.	109.
9 16 25	115.	112.	103.	116.	110.	103.	119.	113.	112.	LOW	114.	117.	108.
9 16 35	115.	111.	103.	117.	111.	100.	117.	114.	108.	LOW	113.	116.	108.
9 16 40	116.	108.	105.	119.	110.	95.	126.	112.	108.	LOW	113.	116.	109.
9 16 45	113.	110.	104.	116.	111.	98.	121.	114.	105.	LOW	113.	115.	107.
9 16 45	114.	110.	102.	117.	115.	99.	114.	115.	114.	LOW	115.	112.	110.
9 16 50	112.	109.	102.	119.	112.	99.	115.	110.	115.	LOW	114.	113.	110.
9 16 55	112.	110.	106.	115.	112.	98.	108.	115.	112.	LOW	116.	115.	108.
9 17 0	114.	110.	104.	117.	111.	98.	108.	114.	110.	LOW	115.	114.	109.
9 17 5	111.	110.	97.	114.	111.	100.	118.	113.	107.	LOW	115.	116.	108.
9 17 10	112.	109.	99.	116.	111.	100.	120.	113.	109.	LOW	114.	116.	106.
9 17 16	114.	108.	103.	117.	108.	99.	105.	111.	108.	LOW	114.	115.	109.
9 17 21	113.	108.	102.	118.	109.	98.	107.	108.	109.	LOW	115.	113.	110.
9 17 26	113.	107.	103.	116.	114.	100.	112.	114.	114.	LOW	116.	113.	108.
9 17 31	113.	109.	102.	116.	113.	97.	109.	115.	109.	LOW	116.	112.	108.
9 17 36	110.	106.	103.	119.	109.	99.	116.	113.	111.	LOW	114.	116.	106.
9 17 41	112.	106.	101.	118.	110.	98.	115.	113.	109.	LOW	114.	114.	107.
9 17 46	112.	100.	102.	112.	111.	98.	101.	115.	110.	LOW	116.	115.	106.
9 17 51	112.	100.	102.	115.	108.	98.	105.	112.	108.	LOW	115.	116.	108.
9 17 56	110.	106.	98.	117.	110.	97.	114.	112.	113.	LOW	115.	112.	110.
9 18 1	111.	107.	99.	116.	110.	96.	116.	114.	105.	LOW	115.	111.	110.
9 18 6	108.	105.	101.	114.	113.	97.	107.	114.	110.	LOW	115.	114.	107.
9 18 11	111.	106.	101.	114.	109.	97.	114.	114.	108.	LOW	114.	114.	108.
9 18 16	112.	103.	102.	117.	107.	97.	114.	110.	112.	LOW	113.	114.	108.
9 18 21	112.	104.	101.	116.	107.	97.	113.	110.	112.	LOW	112.	112.	110.
9 18 26	109.	104.	95.	117.	110.	95.	116.	113.	103.	LOW	114.	105.	110.
9 18 31	109.	104.	96.	117.	110.	94.	115.	113.	106.	LOW	114.	108.	110.
9 18 41	110.	105.	101.	114.	108.	97.	110.	114.	110.	LOW	115.	112.	110.
9 18 41	111.	105.	98.	114.	109.	96.	107.	113.	111.	LOW	114.	113.	109.
9 18 46	113.	107.	101.	116.	105.	97.	108.	110.	105.	LOW	113.	114.	101.
9 18 51	110.	106.	98.	117.	107.	93.	108.	112.	107.	LOW	114.	112.	104.
9 18 56	109.	106.	99.	110.	108.	97.	114.	114.	112.	LOW	110.	112.	105.
9 19 1	111.	106.	98.	113.	107.	96.	115.	112.	111.	LOW	115.	113.	107.
9 19 11	110.	106.	95.	115.	110.	93.	114.	113.	99.	LOW	115.	107.	106.
9 19 16	112.	108.	95.	114.	109.	90.	114.	114.	99.	LOW	114.	107.	108.
9 19 21	106.	105.	99.	110.	109.	95.	108.	114.	109.	LOW	115.	110.	95.
9 19 26	100.	105.	99.	112.	109.	95.	107.	113.	112.	LOW	116.	111.	99.
9 19 26	110.	105.	95.	116.	107.	95.	115.	110.	111.	LOW	113.	113.	107.
9 19 31	108.	104.	95.	116.	108.	94.	121.	111.	107.	LOW	113.	111.	109.
9 19 36	110.	106.	95.	114.	108.	94.	119.	116.	107.	LOW	116.	108.	108.
9 19 41	111.	106.	96.	114.	106.	94.	116.	113.	105.	LOW	111.	110.	107.
9 19 46	112.	106.	93.	116.	108.	91.	119.	114.	95.	LOW	116.	108.	105.
9 19 59	113.	107.	95.	115.	107.	94.	112.	113.	102.	LOW	115.	110.	106.
9 19 57	111.	105.	95.	115.	106.	93.	120.	111.	106.	LOW	111.	110.	110.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 OOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 NOC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
9 20 2	109.	104.	94.	114.	106.	92.	112.	112.	108.	LOW	114.	109.	109.
9 20 7	113.	106.	95.	116.	105.	93.	110.	110.	111.	LOW	112.	108.	110.
9 20 12	111.	104.	94.	114.	106.	92.	112.	112.	106.	LOW	113.	107.	108.
9 20 17	106.	103.	97.	112.	108.	93.	116.	117.	99.	LOW	114.	107.	106.
9 20 22	108.	104.	97.	112.	106.	94.	113.	115.	103.	LOW	114.	109.	106.
9 20 27	114.	105.	94.	114.	105.	92.	115.	112.	101.	LOW	111.	109.	105.
9 20 32	113.	105.	94.	113.	107.	91.	113.	112.	104.	LOW	109.	108.	107.
9 20 37	108.	105.	98.	113.	95.	95.	97.	112.	105.	LOW	114.	106.	107.
9 20 42	110.	104.	95.	113.	100.	93.	106.	111.	104.	LOW	112.	107.	109.
9 20 47	110.	105.	95.	111.	108.	92.	104.	114.	110.	LOW	114.	110.	106.
9 20 52	108.	105.	95.	112.	107.	92.	105.	113.	102.	LOW	109.	109.	108.
9 20 57	108.	106.	95.	112.	105.	92.	119.	105.	108.	LOW	112.	108.	106.
9 21 2	106.	103.	93.	113.	105.	91.	111.	109.	106.	LOW	109.	107.	108.
9 21 7	110.	108.	96.	114.	105.	94.	122.	111.	112.	LOW	112.	108.	105.
9 21 17	109.	106.	95.	112.	104.	95.	118.	112.	108.	LOW	111.	107.	107.
9 21 17	112.	108.	93.	112.	106.	90.	104.	110.	110.	LOW	114.	105.	107.
9 21 22	109.	107.	95.	112.	106.	89.	106.	111.	109.	LOW	114.	105.	107.
9 21 27	109.	105.	95.	105.	103.	93.	110.	110.	112.	LOW	109.	107.	110.
9 21 32	109.	106.	95.	108.	104.	93.	107.	112.	111.	LOW	111.	107.	109.
9 21 37	112.	106.	91.	113.	105.	91.	116.	111.	106.	LOW	105.	105.	110.
9 61 47	109.	103.	93.	113.	102.	92.	116.	111.	105.	LOW	107.	106.	108.
9 21 52	109.	107.	90.	112.	106.	88.	121.	113.	101.	LOW	108.	106.	108.
9 21 57	109.	106.	90.	113.	106.	87.	115.	113.	102.	LOW	111.	105.	107.
9 22 2	109.	104.	91.	114.	104.	88.	106.	112.	104.	LOW	110.	107.	109.
9 22 2	111.	106.	93.	112.	102.	90.	105.	111.	108.	LOW	110.	108.	108.
9 22 7	109.	106.	91.	111.	106.	88.	112.	105.	109.	LOW	114.	105.	107.
9 22 12	110.	107.	91.	112.	105.	88.	108.	108.	109.	LOW	112.	105.	108.
9 22 17	110.	107.	93.	110.	103.	93.	118.	111.	97.	LOW	111.	108.	107.
9 22 22	112.	109.	91.	110.	105.	90.	112.	112.	103.	LOW	112.	106.	107.
9 22 35	112.	108.	91.	113.	104.	86.	106.	110.	109.	LOW	108.	105.	110.
9 22 33	111.	107.	92.	111.	104.	89.	104.	110.	108.	LOW	109.	106.	109.
9 22 38	110.	106.	89.	111.	96.	88.	100.	111.	105.	LOW	110.	105.	110.
9 22 43	109.	105.	90.	112.	99.	90.	106.	111.	103.	LOW	110.	105.	108.
9 62 48	108.	106.	90.	108.	105.	84.	120.	110.	110.	LOW	110.	107.	106.
9 22 53	110.	107.	91.	109.	104.	89.	116.	110.	106.	LOW	107.	106.	107.
9 22 58	110.	108.	93.	110.	104.	91.	106.	111.	110.	LOW	111.	105.	108.
9 23 3	109.	107.	91.	110.	105.	90.	110.	112.	110.	LOW	111.	105.	106.
9 63 8	107.	106.	91.	108.	105.	91.	105.	113.	109.	LOW	112.	106.	106.
9 23 13	101.	106.	92.	109.	105.	90.	102.	113.	107.	LOW	112.	102.	106.
9 23 18	108.	107.	90.	111.	107.	88.	123.	114.	107.	LOW	111.	101.	110.
9 23 23	109.	107.	90.	109.	106.	88.	115.	112.	107.	LOW	110.	102.	110.
9 23 28	109.	105.	91.	114.	105.	88.	114.	110.	101.	LOW	110.	103.	108.
9 23 33	109.	105.	90.	113.	104.	88.	113.	111.	101.	LOW	110.	103.	108.
9 23 38	110.	106.	89.	111.	105.	87.	110.	110.	106.	LOW	108.	103.	110.
9 23 43	109.	105.	89.	111.	103.	88.	108.	111.	106.	LOW	109.	103.	110.
9 63 48	106.	106.	89.	110.	101.	87.	119.	112.	110.	LOW	110.	100.	109.
9 23 53	106.	105.	88.	112.	104.	87.	118.	112.	109.	LOW	110.	101.	109.
9 23 58	110.	106.	89.	108.	105.	84.	112.	112.	111.	LOW	108.	103.	109.
9 24 3	109.	105.	89.	109.	105.	85.	112.	112.	108.	LOW	110.	101.	109.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
19													
9 24 8	106.	106.	88.	108.	106.	87.	106.	112.	105.	LOW	113.	103.	106.
9 24 13	106.	105.	90.	108.	106.	89.	106.	111.	104.	LOW	111.	104.	107.
9 24 23	108.	101.	88.	105.	105.	84.	117.	112.	108.	LOW	108.	105.	106.
9 24 23	105.	100.	88.	108.	104.	86.	112.	108.	110.	LOW	109.	105.	107.
9 28 16	108.	106.	82.	97.	105.	86.	119.	112.	99.	LOW	108.	97.	105.
9 28 21	107.	104.	82.	101.	105.	85.	116.	112.	100.	LOW	108.	96.	106.
9 28 34	105.	103.	85.	103.	95.	89.	108.	110.	105.	LOW	108.	98.	108.
9 28 31	103.	101.	85.	103.	101.	87.	109.	112.	107.	LOW	109.	97.	108.
9 28 36	100.	100.	82.	105.	106.	84.	116.	112.	108.	LOW	108.	96.	108.
9 28 41	106.	105.	83.	105.	104.	85.	115.	111.	107.	LOW	107.	95.	107.
9 28 46	106.	107.	82.	103.	104.	89.	100.	112.	114.	LOW	109.	95.	107.
9 28 56	104.	104.	82.	103.	105.	86.	103.	112.	112.	LOW	109.	95.	107.
9 29 1	105.	103.	82.	105.	103.	84.	128.	110.	106.	LOW	106.	94.	110.
9 29 6	104.	102.	84.	104.	103.	86.	121.	110.	110.	LOW	106.	95.	108.
9 29 11	108.	109.	83.	97.	103.	85.	116.	106.	99.	LOW	108.	90.	106.
9 29 16	111.	111.	82.	99.	103.	84.	115.	109.	101.	LOW	108.	90.	107.
9 29 16	112.	110.	82.	102.	102.	85.	118.	110.	108.	LOW	105.	96.	108.
9 29 21	108.	103.	81.	102.	101.	84.	116.	112.	108.	LOW	107.	94.	108.
9 29 26	113.	110.	82.	101.	103.	86.	108.	110.	108.	LOW	101.	94.	108.
9 29 31	113.	110.	81.	102.	100.	84.	106.	109.	107.	LOW	104.	94.	108.
9 29 36	110.	105.	82.	100.	102.	85.	110.	111.	109.	LOW	108.	95.	106.
9 29 41	107.	103.	81.	102.	101.	86.	119.	110.	106.	LOW	107.	94.	107.
9 29 47	99.	95.	82.	103.	103.	87.	125.	111.	108.	LOW	106.	96.	106.
9 29 52	103.	101.	82.	101.	103.	85.	120.	113.	104.	LOW	107.	94.	108.
9 29 65	103.	97.	83.	105.	103.	86.	114.	111.	108.	LOW	107.	93.	110.
9 30 2	105.	101.	83.	102.	103.	86.	115.	111.	108.	LOW	106.	94.	107.
9 30 7	102.	102.	82.	101.	105.	80.	108.	113.	108.	LOW	108.	93.	106.
9 30 12	105.	105.	81.	102.	104.	82.	120.	111.	106.	LOW	106.	92.	107.
9 30 17	108.	107.	82.	98.	105.	84.	101.	111.	113.	LOW	108.	95.	108.
9 30 22	107.	105.	81.	99.	103.	84.	105.	108.	112.	LOW	104.	94.	109.
9 30 27	103.	101.	84.	99.	105.	80.	128.	112.	110.	LOW	105.	94.	107.
9 30 32	102.	99.	83.	100.	104.	80.	127.	111.	105.	LOW	105.	94.	107.
9 30 37	108.	105.	78.	101.	103.	78.	116.	112.	106.	LOW	106.	91.	108.
9 30 42	105.	102.	81.	100.	103.	82.	110.	111.	108.	LOW	105.	92.	108.
9 30 47	107.	104.	84.	98.	103.	84.	110.	95.	108.	LOW	101.	95.	108.
9 30 52	109.	105.	82.	99.	102.	84.	120.	102.	106.	LOW	103.	94.	108.
9 30 57	101.	97.	81.	97.	104.	84.	116.	114.	97.	LOW	108.	91.	107.
9 31 2	102.	99.	81.	98.	105.	84.	112.	112.	101.	LOW	108.	91.	107.
9 31 7	102.	97.	82.	101.	106.	84.	107.	110.	102.	LOW	106.	92.	108.
9 31 12	100.	97.	81.	101.	105.	84.	106.	111.	107.	LOW	105.	93.	107.
9 31 17	99.	98.	81.	100.	104.	84.	119.	111.	106.	LOW	107.	92.	105.
9 31 22	105.	102.	81.	100.	103.	84.	113.	110.	107.	LOW	104.	93.	106.
9 71 32	109.	108.	80.	97.	95.	82.	127.	112.	105.	LOW	106.	90.	107.
9 31 37	109.	106.	79.	97.	95.	83.	114.	112.	107.	LOW	108.	91.	107.
9 31 42	107.	105.	78.	98.	105.	84.	116.	111.	103.	LOW	106.	84.	108.
9 31 47	107.	105.	78.	98.	105.	82.	111.	111.	104.	LOW	106.	88.	108.
9 31 52	97.	97.	82.	98.	105.	84.	120.	111.	114.	LOW	107.	92.	107.
9 31 57	99.	97.	82.	99.	103.	85.	123.	111.	109.	LOW	105.	93.	106.
9 31 57	103.	99.	79.	101.	100.	83.	112.	110.	106.	LOW	102.	90.	110.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 WDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
9 32 2	101.	100.	79.	100.	102.	82.	109.	111.	109.	LOW	104.	90.	108.
9 32 7	108.	108.	79.	97.	104.	81.	108.	112.	98.	LOW	103.	89.	105.
9 32 12	109.	107.	79.	97.	104.	82.	110.	111.	100.	LOW	104.	90.	105.
9 32 17	113.	108.	80.	99.	101.	84.	114.	110.	105.	LOW	101.	90.	106.
9 32 22	110.	108.	79.	98.	102.	83.	112.	111.	103.	LOW	101.	89.	107.
9 32 28	110.	109.	81.	97.	103.	84.	108.	112.	108.	LOW	103.	91.	105.
9 32 33	108.	107.	81.	98.	102.	84.	113.	109.	108.	LOW	102.	92.	105.
9 32 38	110.	107.	80.	99.	102.	82.	123.	110.	106.	LOW	100.	88.	106.
9 32 43	108.	104.	79.	98.	102.	82.	120.	111.	103.	LOW	102.	86.	106.
9 72 48	103.	103.	82.	97.	105.	84.	116.	112.	105.	LOW	104.	92.	107.
9 32 53	105.	105.	83.	95.	103.	79.	111.	111.	107.	LOW	104.	92.	107.
9 32 58	106.	101.	80.	100.	99.	82.	110.	110.	106.	LOW	102.	87.	107.
9 33 3	105.	102.	80.	98.	103.	81.	108.	111.	105.	LOW	103.	88.	108.
9 73 8	105.	105.	82.	96.	101.	84.	112.	110.	105.	LOW	101.	91.	106.
9 33 13	103.	102.	82.	98.	101.	84.	115.	109.	107.	LOW	102.	88.	107.
9 33 18	97.	95.	79.	100.	103.	84.	114.	110.	110.	LOW	101.	89.	108.
9 33 23	99.	96.	79.	100.	103.	84.	114.	110.	108.	LOW	101.	90.	108.
9 33 28	108.	106.	77.	98.	101.	78.	105.	110.	112.	LOW	103.	90.	108.
9 33 33	110.	108.	78.	97.	101.	80.	109.	111.	105.	LOW	102.	89.	106.
9 33 38	110.	108.	79.	97.	100.	82.	95.	108.	105.	LOW	102.	88.	105.
9 33 43	106.	105.	79.	97.	100.	83.	104.	109.	111.	LOW	103.	90.	104.
9 73 48	105.	103.	81.	97.	101.	84.	108.	108.	95.	LOW	99.	90.	107.
9 33 53	103.	100.	81.	96.	101.	84.	115.	109.	98.	LOW	100.	91.	106.
9 33 58	112.	108.	78.	97.	101.	81.	112.	108.	98.	LOW	99.	90.	106.
9 34 8	108.	103.	78.	98.	99.	81.	108.	108.	102.	LOW	100.	82.	106.
9 34 13	107.	104.	76.	97.	102.	78.	103.	112.	103.	LOW	104.	84.	108.
9 34 18	101.	100.	78.	97.	103.	80.	115.	111.	104.	LOW	103.	86.	106.
9 34 23	98.	95.	79.	99.	103.	82.	116.	112.	108.	LOW	101.	90.	105.
9 34 28	99.	96.	79.	99.	103.	81.	108.	110.	101.	LOW	101.	90.	106.
9 34 33	102.	100.	77.	98.	103.	80.	123.	105.	101.	LOW	99.	87.	107.
9 34 33	104.	101.	78.	97.	103.	82.	114.	108.	106.	LOW	98.	88.	106.
9 34 38	103.	95.	76.	99.	103.	78.	112.	110.	110.	LOW	104.	86.	108.
9 34 43	105.	100.	76.	98.	103.	78.	109.	110.	107.	LOW	104.	88.	108.
9 34 48	98.	97.	79.	95.	105.	79.	109.	112.	102.	LOW	105.	88.	107.
9 34 53	97.	97.	78.	95.	104.	79.	111.	111.	102.	LOW	104.	88.	107.
9 34 58	107.	103.	79.	95.	101.	81.	118.	111.	99.	LOW	103.	88.	105.
9 35 4	104.	100.	78.	96.	103.	80.	115.	111.	105.	LOW	103.	88.	106.
9 35 9	113.	106.	75.	97.	102.	81.	125.	109.	108.	LOW	101.	89.	107.
9 35 14	105.	101.	77.	97.	103.	82.	117.	109.	109.	LOW	101.	90.	107.
9 35 19	97.	95.	80.	97.	103.	82.	117.	111.	114.	LOW	101.	91.	105.
9 35 24	96.	94.	80.	96.	99.	82.	114.	110.	110.	LOW	102.	90.	106.
9 35 29	101.	101.	79.	95.	103.	83.	106.	109.	108.	LOW	101.	90.	107.
9 35 34	99.	96.	79.	96.	103.	82.	111.	109.	106.	LOW	103.	90.	107.
9 35 39	95.	94.	79.	96.	103.	83.	114.	110.	112.	LOW	102.	90.	106.
9 35 44	95.	93.	79.	95.	104.	82.	117.	110.	107.	LOW	103.	89.	107.
9 35 49	106.	101.	76.	95.	102.	78.	111.	110.	105.	LOW	105.	87.	108.
9 35 54	106.	103.	76.	94.	103.	76.	110.	110.	106.	LOW	105.	88.	107.
9 35 59	112.	107.	74.	95.	102.	81.	122.	109.	106.	LOW	101.	87.	108.
9 36 4	106.	101.	77.	95.	103.	81.	113.	109.	108.	LOW	101.	88.	108.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MDC	EC 87 SPARE	EC 88 STJ IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
9 36 9	106.	103.	78.	93.	105.	82.	105.	110.	108.	LOW	105.	89.	106.
9 36 14	105.	100.	77.	93.	104.	82.	113.	111.	109.	LOW	105.	89.	106.
9 36 19	110.	106.	77.	95.	104.	80.	122.	109.	108.	LOW	103.	85.	109.
9 36 24	105.	100.	77.	95.	104.	81.	118.	108.	110.	LOW	102.	86.	108.
9 36 29	107.	102.	77.	97.	103.	80.	121.	106.	107.	LOW	101.	86.	109.
9 36 34	105.	103.	77.	96.	104.	80.	112.	106.	109.	LOW	102.	87.	108.
9 36 44	111.	106.	76.	93.	103.	80.	130.	108.	110.	LOW	103.	84.	108.
9 36 49	107.	103.	77.	94.	103.	82.	126.	108.	108.	LOW	102.	86.	109.
9 36 54	97.	94.	77.	93.	100.	82.	105.	110.	109.	LOW	105.	88.	108.
9 36 59	99.	95.	78.	94.	101.	82.	107.	110.	110.	LOW	103.	86.	109.
9 37 4	95.	91.	78.	95.	103.	82.	125.	110.	105.	LOW	105.	90.	106.
9 37 9	97.	94.	78.	92.	104.	81.	116.	111.	109.	LOW	105.	88.	106.
9 37 9	105.	107.	76.	94.	101.	80.	120.	111.	105.	LOW	101.	88.	108.
9 37 14	100.	107.	75.	92.	102.	80.	122.	111.	104.	LOW	102.	88.	108.
9 37 19	111.	103.	76.	95.	101.	79.	112.	110.	106.	LOW	101.	86.	110.
9 37 24	104.	99.	77.	94.	102.	80.	108.	110.	108.	LOW	101.	87.	107.
9 37 29	97.	90.	75.	94.	103.	81.	110.	111.	106.	LOW	105.	86.	110.
9 77 34	98.	93.	76.	94.	104.	81.	114.	112.	108.	LOW	105.	85.	109.
9 37 40	95.	90.	74.	95.	101.	81.	118.	108.	108.	LOW	103.	74.	108.
9 37 45	96.	91.	75.	95.	103.	81.	118.	110.	107.	LOW	103.	79.	109.
9 37 50	95.	93.	78.	93.	103.	81.	112.	110.	105.	LOW	104.	85.	110.
9 37 55	95.	95.	76.	93.	101.	80.	111.	111.	104.	LOW	104.	84.	109.
9 38 0	106.	101.	76.	93.	101.	78.	111.	112.	105.	LOW	104.	84.	108.
9 38 5	107.	102.	75.	92.	102.	79.	107.	110.	107.	LOW	104.	84.	108.
9 38 10	97.	90.	75.	92.	103.	74.	112.	111.	105.	LOW	103.	86.	108.
9 38 15	99.	93.	76.	88.	100.	77.	114.	111.	104.	LOW	104.	86.	107.
9 38 20	109.	105.	77.	93.	96.	79.	123.	109.	109.	LOW	102.	84.	108.
9 38 25	109.	103.	77.	93.	99.	79.	117.	110.	108.	LOW	103.	83.	109.
9 38 30	101.	95.	76.	91.	101.	82.	125.	109.	108.	LOW	98.	85.	109.
9 38 35	99.	92.	75.	93.	98.	81.	121.	110.	106.	LOW	101.	86.	109.
9 38 40	106.	99.	76.	92.	99.	80.	106.	107.	111.	LOW	97.	86.	110.
9 38 45	102.	96.	77.	92.	103.	78.	109.	109.	110.	LOW	100.	87.	108.
9 38 50	101.	95.	77.	93.	101.	78.	112.	109.	106.	LOW	101.	83.	107.
9 38 55	103.	98.	77.	93.	101.	81.	118.	109.	107.	LOW	101.	83.	107.
9 39 0	99.	91.	76.	93.	103.	78.	127.	110.	105.	LOW	103.	84.	106.
9 39 5	101.	95.	76.	92.	102.	79.	121.	111.	103.	LOW	103.	84.	105.
9 39 10	95.	94.	76.	93.	101.	80.	108.	105.	109.	LOW	101.	83.	109.
9 39 20	100.	98.	77.	92.	99.	81.	117.	107.	108.	LOW	101.	78.	108.
9 39 20	97.	90.	75.	92.	103.	78.	112.	111.	104.	LOW	102.	84.	109.
9 47 6	102.	96.	75.	90.	100.	77.	111.	109.	105.	*000000.	99.	80.	107.
9 47 11	93.	89.	66.	86.	100.	74.	113.	108.	107.	LOW	99.	78.	106.
9 47 16	96.	94.	69.	85.	101.	75.	115.	106.	108.	LOW	97.	77.	107.
9 48 25	91.	91.	73.	82.	99.	76.	121.	108.	109.	172.	99.	76.	103.
9 48 30	97.	96.	70.	84.	99.	76.	117.	108.	112.	20.	97.	78.	104.
9 48 35	102.	95.	73.	85.	100.	77.	129.	108.	106.	LOW	95.	73.	104.
10 0 22	95.	93.	72.	81.	98.	75.	116.	105.	106.	*000000.	94.	75.	103.
10 0 27	92.	97.	63.	78.	98.	71.	110.	105.	105.	-12.	91.	69.	105.
10 0 32	92.	97.	67.	77.	97.	72.	108.	105.	104.	-33.	92.	70.	104.
10 0 37	90.	97.	68.	74.	98.	73.	119.	105.	107.	-46.	92.	72.	103.

C COMMUTATOR

TIME H/M/S 06	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC [illegible] TEMP AND FIX TIP COMPT	EC 300 TEMP AND FIX TIP COMPT	EC 301 TEMP AND FIX TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
13 1 1	105.	83.	.92	111.	29.56	.01	.1	77.	147.24	144.6	94.1	101.	100.
13 1 12	104.	79.	.84	97.	29.53	.02	.1	81.	146.91	145.3	130.7	101.	100.
13 1 17	106.	70.	.90	98.	29.26	.00	.1	00.	147.24	145.3	303.8	99.	100.
13 1 22	106.	67.	.05	101.	29.50	.00	.2	02.	146.91	145.0	270.8	99.	100.
13 1 27	106.	58.	.04	73.	29.32	.01	.2	84.	147.24	145.3	203.5	100.	100.
13 1 32	106.	57.	.05	08.	29.41	.01	.2	83.	147.24	145.0	100.0	100.	100.
13 1 32	105.	57.	.80	94.	29.32	.03	.2	78.	146.59	145.9	96.7	101.	100.
13 1 38	105.	57.	.80	99.	29.29	.05	.2	80.	146.91	145.3	156.5	100.	100.
13 41 48	107.	58.	.86	73.	29.32	.02	.2	84.	146.59	142.7	95.4	98.	100.
13 1 53	106.	59.	.81	81.	29.32	.02	.2	06.	146.59	144.0	162.2	100.	100.
13 41 58	97.	61.	.92	99.	29.50	.02	.2	86.	147.24	150.5	203.9	99.	100.
13 41 58	101.	61.	.89	102.	29.59	.03	.2	84.	146.91	147.6	251.3	99.	100.
13 2 3	105.	62.	.82	95.	29.26	.03	.1	73.	145.94	144.0	193.2	99.	100.
13 42 8	105.	62.	.77	92.	29.29	.02	.1	76.	145.94	144.0	206.6	100.	100.
13 2 13	106.	65.	1.00	89.	29.32	.03	.0	84.	145.59	145.3	305.0	99.	100.
13 2 18	105.	65.	1.03	94.	29.29	.02	.0	81.	146.91	144.0	245.5	99.	100.
13 2 23	103.	66.	1.37	116.	29.08	.02	.4	85.	146.59	144.0	223.2	100.	100.
13 4 6	104.	66.	.99	110.	29.32	.03	.3	83.	146.59	140.1	160.0	100.	100.
13 4 11	169.	100.	1.92	176.	29.08	.04	.2	85.	147.24	144.0	279.5	101.	100.
13 4 11	176.	100.	1.93	178.	29.23	.03	.1	85.	146.91	144.3	338.6	99.	100.
13 4 16	193.	100.	2.03	190.	29.20	.01	.3	81.	146.59	144.6	282.8	105.	100.
13 4 21	197.	100.	1.30	209.	29.17	.01	.2	84.	146.59	145.3	184.8	103.	100.
13 4 26	193.	100.	.66	193.	29.44	.02	.2	81.	146.59	145.9	165.4	103.	100.
13 4 31	192.	100.	.75	190.	29.38	.02	.2	84.	146.91	143.7	124.5	102.	100.
13 4 44	183.	100.	.70	187.	29.32	.02	-.0	80.	145.94	144.0	178.3	105.	100.
13 4 42	183.	100.	.69	185.	29.26	.03	0.0	88.	145.94	143.4	237.9	105.	100.
13 4 47	187.	100.	.90	194.	29.14	.02	.1	95.	146.59	136.2	266.5	95.	100.
13 4 52	184.	100.	.93	190.	29.26	.03	.1	84.	148.21	144.3	199.1	96.	100.
13 4 65	178.	100.	.72	193.	29.26	.02	.1	93.	144.65	144.6	260.8	105.	100.
13 5 2	179.	100.	.86	190.	29.32	.02	.1	91.	146.91	147.9	229.9	100.	100.
13 5 7	182.	100.	.98	176.	29.50	0.00	.1	84.	148.53	147.9	248.7	97.	100.
13 5 12	181.	100.	.98	182.	29.50	.01	.1	85.	148.53	148.5	228.0	96.	100.
13 5 17	180.	100.	.84	171.	29.38	.03	.1	80.	147.24	147.2	292.0	99.	100.
13 5 22	180.	100.	.80	177.	29.29	.02	.1	86.	147.24	147.2	223.8	102.	100.
13 5 27	100.	100.	.92	102.	29.38	.02	.1	93.	146.59	148.5	06.3	97.	100.
13 5 32	180.	100.	.82	178.	29.29	.03	.1	92.	148.21	148.9	105.8	96.	100.
13 5 37	180.	100.	.70	176.	29.62	-.00	.1	90.	148.53	141.5	250.6	99.	100.
13 5 42	179.	100.	1.15	196.	29.50	.04	.2	90.	155.65	163.7	229.0	103.	100.
13 5 47	194.	100.	1.94	203.	29.26	.12	.3	82.	174.41	211.1	49.0	97.	100.
13 5 52	195.	100.	1.63	199.	29.32	.12	.3	81.	175.06	213.7	105.4	99.	100.
13 5 57	191.	100.	1.35	195.	29.32	.10	.2	85.	175.86	218.1	160.6	103.	100.
13 6 7	191.	100.	1.49	183.	29.32	.11	.2	77.	175.06	218.1	162.4	100.	100.
13 6 7	191.	100.	1.39	150.	29.20	.07	.1	82.	172.47	214.3	167.9	99.	100.
13 6 12	192.	100.	1.33	143.	29.35	.11	.2	84.	173.85	211.4	195.6	102.	100.
13 6 17	189.	100.	1.37	141.	29.32	.12	.4	85.	167.29	205.4	130.2	67.	100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
13 6 22	183.	100.	1.41	143.	29.28	.11	.3	91.	166.97	205.4	201.1	91.	100.
13 6 27	191.	100.	1.56	132.	29.30	.12	.2	80.	167.29	202.2	210.1	99.	100.
13 6 37	192.	100.	1.44	134.	29.50	.11	.3	82.	166.32	202.2	197.9	99.	100.
13 6 42	193.	100.	1.33	125.	29.56	.12	.2	80.	165.35	202.8	210.5	111.	100.
13 6 47	192.	100.	1.38	123.	29.59	.10	.2	82.	166.80	203.1	211.1	110.	100.
13 6 47	191.	100.	1.52	136.	29.38	.11	.4	94.	162.76	204.7	188.8	95.	100.
13 6 52	193.	100.	1.46	125.	29.38	.11	.4	90.	163.41	202.2	187.4	91.	100.
13 6 57	196.	100.	1.52	141.	29.44	.13	.2	85.	166.65	204.7	199.8	101.	100.
13 7 2	203.	100.	1.69	134.	29.38	.12	.2	80.	167.29	205.7	212.4	94.	100.
13 7 7	220.	100.	2.27	155.	29.38	.13	.3	82.	174.41	211.7	206.8	96.	100.
13 7 12	220.	100.	1.96	161.	29.41	.12	.2	86.	171.82	215.2	198.6	103.	100.
13 7 18	254.	100.	1.47	172.	29.50	.10	.2	85.	172.47	229.8	198.4	110.	100.
13 7 23	261.	100.	1.51	186.	29.44	.11	.3	91.	176.83	235.6	199.6	103.	100.
13 7 28	287.	100.	1.41	236.	29.26	.12	.4	86.	184.76	251.9	214.9	91.	100.
13 7 33	292.	100.	1.43	240.	29.32	.12	.3	85.	185.89	262.6	207.9	94.	100.
13 7 38	304.	100.	1.39	278.	29.32	.12	.5	88.	193.13	286.4	198.6	88.	100.
13 7 43	303.	100.	1.34	271.	29.41	.12	.5	89.	185.41	290.4	198.6	95.	100.
13 7 48	305.	100.	1.33	260.	29.26	.11	.4	88.	197.71	296.3	189.9	94.	100.
13 7 53	307.	100.	1.39	268.	29.38	.11	.4	90.	198.83	297.6	198.6	102.	100.
13 7 58	311.	100.	1.41	268.	29.56	.12	.4	82.	199.64	300.7	203.5	88.	100.
13 8 3	312.	100.	1.40	263.	29.44	.12	.3	88.	199.88	301.6	209.2	98.	100.
13 48 8	317.	100.	1.54	251.	29.26	.13	.4	80.	198.35	304.4	209.2	93.	100.
13 8 13	315.	100.	1.56	267.	29.50	.13	.4	88.	198.35	305.6	202.5	102.	100.
13 8 18	299.	100.	1.29	253.	29.32	.07	.2	86.	206.65	306.3	193.8	84.	100.
13 8 23	300.	100.	1.34	232.	29.44	.11	.4	88.	203.46	303.1	199.9	91.	100.
13 8 28	294.	100.	1.62	199.	29.38	.09	.3	93.	196.41	295.1	203.5	95.	100.
13 8 33	294.	100.	1.73	218.	29.50	.11	.3	91.	195.76	291.3	203.5	101.	100.
13 8 43	286.	100.	1.68	209.	29.26	.15	.2	90.	192.53	282.8	216.2	102.	100.
13 8 48	285.	100.	1.66	204.	29.38	.12	.1	88.	195.12	279.2	209.2	105.	100.
13 48 48	277.	100.	1.68	187.	29.50	.14	.4	95.	192.53	267.7	200.6	91.	100.
13 8 53	273.	100.	1.71	187.	29.35	.12	.4	92.	191.88	264.6	213.8	92.	100.
13 8 58	268.	100.	1.68	177.	29.14	.09	.3	94.	186.86	254.4	196.4	103.	100.
13 9 3	265.	100.	1.70	174.	29.20	.11	.3	85.	185.74	251.3	202.8	97.	100.
13 9 13	261.	100.	1.62	159.	29.38	.12	.3	84.	184.76	241.7	213.7	105.	100.
13 9 18	258.	100.	1.72	172.	29.41	.12	.2	83.	184.12	239.8	214.9	97.	100.
13 9 23	255.	100.	1.62	182.	29.26	.10	.3	82.	182.18	235.3	205.4	106.	100.
13 9 28	253.	100.	1.63	171.	29.35	.11	.3	90.	181.21	233.7	207.3	107.	100.
13 9 28	249.	100.	1.58	161.	29.38	.13	.3	88.	180.24	230.9	197.7	93.	100.
13 9 33	249.	100.	1.66	167.	29.44	.12	.2	88.	176.35	229.9	204.1	102.	100.
13 9 38	246.	100.	1.72	168.	29.38	.11	.3	89.	178.94	227.8	216.2	103.	100.
13 9 43	246.	100.	1.63	165.	29.32	.13	.2	88.	178.94	225.8	216.5	104.	100.
13 49 48	244.	100.	1.68	167.	29.32	.10	.2	84.	178.29	225.9	207.9	103.	100.
13 9 53	243.	100.	1.68	158.	29.50	.11	.2	84.	177.65	225.1	200.9	95.	100.
13 9 59	242.	100.	1.68	152.	29.50	.10	.1	85.	167.29	225.1	216.2	107.	100.
13 10 4	240.	100.	1.84	150.	29.50	.10	.1	81.	172.15	224.8	214.9	106.	100.
13 10 9	241.	100.	1.64	146.	29.38	.12	.2	82.	177.80	222.6	216.2	104.	100.
13 10 22	240.	100.	1.74	151.	29.32	.12	.2	82.	176.83	223.2	216.5	105.	100.
13 10 19	240.	100.	1.66	167.	29.26	.12	.3	90.	175.71	223.2	201.5	100.	100.
13 10 24	238.	100.	1.65	165.	29.17	.11	.2	88.	175.71	222.9	210.2	106.	100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
13 10 29	236.	100.	1.62	156.	29.20	.13	.4	85.	175.71	223.2	199.6	105.	100.
13 10 34	235.	100.	1.78	149.	29.38	.13	.3	88.	175.38	221.0	205.1	101.	100.
13 10 39	236.	100.	1.70	152.	29.02	.13	.2	74.	175.06	221.9	203.5	100.	100.
13 10 44	238.	100.	1.75	160.	29.26	.12	.2	82.	173.76	221.6	208.3	97.	100.
13 10 49	233.	100.	1.54	163.	29.26	.10	.3	90.	175.71	223.2	213.7	103.	100.
13 10 54	235.	100.	1.69	158.	29.17	.13	.3	88.	175.38	222.9	213.3	100.	100.
13 11 43	240.	100.	1.97	156.	29.50	.16	.2	95.	179.59	224.5	203.5	93.	100.
13 51 48	243.	100.	1.92	171.	29.41	.12	.1	96.	180.56	227.7	205.7	96.	100.
13 51 58	253.	100.	1.15	195.	28.60	.14	.3	73.	180.88	237.2	206.8	99.	100.
13 12 3	258.	100.	1.61	208.	28.96	.14	.3	82.	183.47	240.7	207.8	99.	100.
13 12 3	268.	100.	2.40	218.	29.20	.11	.1	73.	188.65	253.2	215.6	99.	100.
13 52 8	271.	100.	2.16	225.	29.23	.09	.2	78.	190.59	256.7	217.8	99.	100.
13 12 13	283.	100.	1.94	263.	29.38	.12	.8	98.	195.12	267.1	191.2	96.	100.
13 12 18	281.	100.	1.98	258.	29.32	.11	.2	93.	195.76	271.5	206.8	98.	100.
13 12 28	281.	100.	1.99	255.	29.26	.15	.4	82.	199.80	270.9	206.6	103.	100.
13 12 33	286.	100.	1.99	256.	29.44	.15	.4	89.	199.80	283.9	198.3	90.	100.
13 12 38	291.	100.	2.23	255.	29.50	.15	.4	103.	200.91	285.7	210.8	95.	100.
13 12 38	292.	100.	2.04	251.	29.41	.14	.3	103.	199.63	287.8	210.5	95.	100.
13 12 43	296.	100.	1.90	263.	29.38	.11	.1	93.	203.46	292.6	217.5	100.	100.
13 52 48	300.	100.	1.99	267.	29.50	.12	.1	95.	204.42	293.8	215.9	97.	100.
13 12 53	301.	100.	2.15	273.	29.38	.17	.4	73.	207.28	294.4	188.6	95.	100.
13 12 58	302.	100.	2.07	273.	29.26	.16	.3	80.	208.24	297.2	195.7	96.	100.
13 13 3	302.	100.	2.33	273.	29.32	.13	.2	97.	209.20	301.9	207.3	96.	100.
13 13 9	304.	100.	2.15	281.	29.20	.13	.2	95.	210.15	302.8	201.5	96.	100.
13 13 14	305.	100.	2.09	289.	29.56	.13	.2	93.	211.11	300.7	213.0	99.	100.
13 13 19	308.	100.	2.09	285.	29.38	.10	.1	99.	211.11	300.7	217.2	96.	100.
13 13 24	314.	100.	1.88	291.	29.32	.15	.2	99.	213.02	304.4	206.8	94.	100.
13 13 29	316.	100.	1.97	289.	29.41	.13	.1	98.	212.38	305.8	197.7	96.	100.
13 13 34	329.	100.	2.07	290.	29.32	.12	.1	103.	216.21	305.8	199.6	93.	100.
13 13 39	320.	100.	2.04	274.	29.53	.11	.2	96.	213.34	303.5	201.5	93.	100.
13 13 44	329.	100.	1.99	253.	29.26	.14	.4	95.	203.46	301.9	214.9	94.	100.
13 13 49	324.	100.	2.12	265.	29.32	.11	.2	97.	205.69	302.2	213.3	98.	100.
13 13 54	322.	100.	2.29	261.	29.14	.12	.2	93.	211.11	305.8	205.4	97.	100.
13 13 59	323.	100.	2.17	285.	29.20	.13	.2	96.	212.06	306.9	206.6	93.	100.
13 14 4	319.	100.	1.99	280.	29.20	.15	.4	105.	213.66	308.1	211.1	96.	100.
13 14 9	319.	100.	1.95	286.	29.35	.14	.3	100.	213.98	306.6	207.8	95.	100.
13 14 14	322.	100.	2.03	289.	29.32	.13	.2	97.	215.57	308.1	223.9	96.	100.
13 14 19	328.	100.	2.10	290.	29.44	.11	.2	100.	215.25	308.4	217.2	96.	100.
13 14 24	339.	100.	1.99	290.	29.20	.11	.3	99.	214.93	307.5	214.3	97.	100.
13 14 34	338.	100.	2.10	282.	29.26	.12	.2	99.	213.98	307.8	215.2	97.	100.
13 14 34	339.	100.	2.13	279.	29.56	.10	.2	98.	211.75	307.5	188.8	94.	100.
13 14 39	339.	100.	2.08	269.	29.50	.09	.2	97.	211.11	306.6	199.2	95.	100.
13 14 44	335.	100.	2.01	260.	29.50	.11	.2	98.	211.11	303.8	190.6	97.	100.
13 14 49	335.	100.	2.12	254.	29.50	.09	.2	95.	211.43	304.1	198.9	96.	100.
13 14 54	332.	100.	2.15	290.	29.50	.10	.2	101.	212.38	306.3	225.1	95.	100.
13 15 4	330.	100.	2.07	293.	29.35	.10	.2	100.	213.34	307.2	217.2	94.	100.
13 15 9	326.	100.	2.07	289.	29.32	.15	.4	90.	216.21	307.5	177.8	96.	100.
13 15 14	328.	100.	2.05	294.	29.32	.12	.2	99.	216.52	308.1	196.9	94.	100.
13 15 19	330.	100.	2.17	281.	29.26	.10	.2	108.	214.29	300.7	152.4	97.	100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 30 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
13 15 19	326.	100.	2.18	285.	29.35	.13	.1	103.	215.89	308.4	170.3	96.	100.
13 15 24	322.	100.	2.23	274.	29.56	.14	.1	93.	216.21	307.5	199.8	96.	100.
13 15 29	326.	100.	2.28	274.	29.30	.11	.2	93.	215.25	306.9	205.1	95.	100.
13 15 34	324.	100.	2.03	279.	29.32	.11	.1	89.	213.66	305.8	182.2	97.	100.
13 15 39	329.	100.	1.95	264.	29.29	.12	.2	90.	212.30	304.4	170.9	91.	100.
13 15 44	331.	100.	2.11	260.	29.50	.20	.2	84.	211.75	303.7	187.4	94.	100.
13 15 50	330.	100.	2.15	269.	29.65	.17	.2	89.	211.75	302.2	193.2	93.	100.
13 15 55	329.	100.	2.03	271.	29.38	.15	.3	103.	213.66	306.9	195.8	94.	100.
13 16 0	332.	100.	1.98	270.	29.35	.13	.3	100.	214.61	308.1	162.4	95.	100.
13 16 5	335.	100.	2.09	286.	29.20	.12	.2	95.	208.56	309.4	199.6	94.	100.
13 16 10	330.	100.	2.00	283.	29.29	.13	.3	91.	212.30	306.7	201.5	94.	100.
13 16 15	330.	100.	2.03	285.	29.14	.10	.2	84.	208.56	310.0	219.4	97.	100.
13 16 20	334.	100.	1.99	294.	29.35	.05	.2	00.	212.30	310.3	214.0	96.	100.
13 16 25	344.	100.	2.01	289.	29.44	.11	.2	80.	216.21	306.9	197.7	95.	100.
13 16 30	343.	100.	2.10	290.	29.53	.11	.1	95.	216.21	305.6	200.9	93.	100.
13 16 35	319.	100.	1.94	270.	29.62	.12	.1	106.	214.29	306.9	178.9	92.	100.
13 16 40	322.	100.	1.94	262.	29.38	.12	.0	92.	213.66	306.3	109.0	94.	100.
13 16 53	330.	100.	1.86	271.	29.08	.15	.2	105.	210.47	304.4	218.1	94.	100.
13 16 50	331.	100.	1.93	271.	29.11	.14	.2	94.	211.43	304.1	219.4	93.	100.
13 56 55	332.	100.	1.86	293.	29.50	.11	.2	89.	208.56	307.5	177.6	93.	100.
13 17 0	331.	100.	1.86	284.	29.35	.13	.2	91.	213.66	308.4	196.6	92.	100.
13 17 10	327.	100.	1.68	265.	29.38	.10	.1	91.	216.84	309.4	213.7	93.	100.
13 17 10	326.	100.	1.76	281.	29.29	.13	.2	92.	216.84	309.0	194.4	93.	100.
13 17 15	331.	100.	1.82	201.	29.50	.09	.4	101.	216.84	306.9	198.4	97.	100.
13 17 20	330.	100.	1.83	276.	29.20	.11	.3	101.	216.52	306.9	200.2	94.	100.
13 17 25	334.	100.	1.84	279.	28.12	.11	.3	99.	216.21	305.6	225.8	93.	100.
13 17 30	333.	100.	1.81	275.	28.78	.12	.3	92.	215.09	305.0	209.0	89.	100.
13 17 40	335.	100.	1.04	296.	29.56	.12	.2	102.	208.56	303.0	210.0	90.	100.
13 17 45	336.	100.	1.81	281.	29.56	.11	.3	96.	211.11	303.1	210.2	93.	100.
13 17 50	335.	100.	1.74	264.	29.14	.14	.4	110.	213.66	299.4	195.1	90.	100.
13 17 55	334.	100.	1.87	265.	29.11	.12	.2	107.	213.34	302.2	206.6	90.	100.
13 17 55	334.	100.	1.76	261.	29.56	.08	.4	99.	216.21	313.1	233.4	97.	100.
13 18 0	330.	100.	1.81	290.	29.41	.11	.4	95.	216.52	311.2	217.2	91.	100.
13 18 5	319.	100.	1.74	291.	29.26	.09	.2	102.	218.12	299.4	213.0	91.	100.
13 18 10	322.	100.	1.76	267.	29.38	.11	.2	98.	217.48	305.3	218.0	92.	100.
13 18 15	326.	100.	1.92	290.	29.50	.10	.1	94.	218.12	311.0	177.0	92.	100.
13 18 20	334.	100.	1.94	291.	29.50	.12	.2	98.	221.62	311.5	179.6	92.	100.
13 18 26	329.	100.	1.86	290.	29.32	.13	.4	04.	216.21	310.0	208.6	91.	100.
13 18 31	331.	100.	1.84	288.	29.32	.10	.2	95.	216.21	309.7	221.0	93.	100.
13 18 36	332.	100.	1.80	283.	29.20	.09	.3	95.	214.29	308.7	191.2	97.	100.
13 18 41	329.	100.	1.81	275.	29.29	.12	.2	95.	213.66	308.1	189.9	96.	100.
13 18 46	330.	100.	1.94	260.	29.32	.12	.3	90.	213.32	304.4	212.4	92.	100.
13 18 51	330.	100.	2.04	268.	29.32	.12	.2	97.	213.82	304.4	192.7	91.	100.
13 18 56	329.	100.	2.11	290.	29.38	.12	.0	94.	217.48	307.5	209.2	95.	100.
13 19 1	330.	100.	2.12	293.	29.30	.12	.1	100.	217.16	308.7	211.7	94.	100.
13 19 6	327.	100.	1.84	303.	29.50	.15	.0	98.	210.75	311.0	171.0	89.	100.
13 19 11	329.	100.	1.74	296.	29.47	.14	.1	99.	219.07	313.4	189.9	91.	100.
13 19 16	329.	100.	1.70	300.	29.36	.13	.4	94.	219.39	311.2	183.5	90.	100.
13 19 21	332.	100.	1.77	285.	29.35	.12	.4	100.	213.98	310.3	206.2	91.	100.

TIME H/M/S 06	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
13 22 24	323.	100.	1.92	295.	29.20	.11	.1	97.	217.48	308.7	221.3	94.	100.
13 22 29	300.	100.	2.16	238.	29.14	.11	.2	93.	198.86	272.0	223.5	92.	100.
13 22 34	275.	100.	2.39	160.	29.50	.11	.1	80.	181.53	232.1	174.4	88.	100.
13 22 34	274.	100.	2.40	164.	29.26	.11	.3	88.	183.88	232.1	183.1	89.	100.
13 22 39	273.	100.	2.50	176.	29.14	.16	.3	85.	180.24	230.9	175.1	90.	100.
13 22 44	271.	100.	2.52	172.	29.14	.13	.3	97.	180.56	230.9	174.4	90.	100.
13 22 49	273.	100.	2.52	152.	29.20	.11	.3	90.	181.53	229.6	209.8	91.	100.
13 22 54	272.	100.	2.47	159.	29.44	.12	.2	91.	179.59	228.6	209.8	91.	100.
13 22 59	267.	100.	2.44	165.	29.62	.12	.1	90.	178.29	223.9	174.4	90.	100.
13 23 4	267.	100.	2.54	169.	29.38	.12	.3	92.	177.97	221.3	204.5	90.	100.
13 23 10	263.	100.	2.37	149.	28.12	.11	.2	84.	177.80	226.4	216.8	89.	100.
13 23 15	265.	100.	2.39	147.	28.87	.10	.1	80.	177.80	226.1	213.7	87.	100.
13 23 20	271.	100.	2.66	158.	29.38	.11	.4	99.	177.65	225.8	118.1	92.	100.
13 23 25	267.	100.	2.55	158.	29.44	.12	.3	97.	176.76	225.8	158.6	91.	100.
13 23 30	265.	100.	2.64	176.	29.26	.16	.3	88.	177.65	224.5	183.5	91.	100.
13 23 35	266.	100.	2.68	164.	29.44	.11	.3	94.	177.00	224.2	199.5	91.	100.
13 23 40	266.	100.	2.50	145.	29.80	.12	.2	91.	177.03	225.1	122.8	90.	100.
13 23 45	261.	100.	2.49	160.	29.50	.13	.3	92.	176.68	224.8	155.0	90.	100.
13 23 50	263.	100.	2.52	172.	29.20	.12	.1	82.	176.35	223.2	223.9	90.	100.
13 23 55	260.	100.	2.65	105.	29.20	.14	.0	83.	176.03	223.2	199.5	91.	100.
13 24 0	263.	100.	2.64	156.	29.44	.09	.2	105.	175.06	223.9	214.3	66.	100.
13 24 5	259.	100.	2.61	162.	29.38	.10	.2	97.	175.38	223.9	206.6	89.	100.
13 24 10	261.	100.	2.50	168.	29.02	.13	.1	82.	176.35	225.1	226.4	90.	100.
13 24 15	259.	100.	2.62	162.	29.26	.11	.3	91.	176.03	224.5	208.5	91.	100.
13 24 20	259.	100.	2.76	150.	29.56	.12	.2	106.	175.71	218.8	220.0	90.	100.
13 24 25	259.	100.	2.67	156.	29.32	.11	.1	90.	173.12	221.0	215.6	91.	100.
13 24 30	259.	100.	2.70	173.	28.50	.14	.3	77.	175.71	223.2	177.6	90.	100.
13 24 35	255.	100.	2.72	161.	28.96	.11	.3	86.	175.71	223.2	187.4	90.	100.
13 24 40	256.	100.	2.78	149.	29.32	.11	.4	97.	175.71	223.2	221.3	94.	100.
13 24 50	253.	100.	2.69	153.	29.23	.13	.2	90.	175.38	223.5	212.7	93.	100.
13 24 55	259.	100.	2.68	165.	29.14	.12	-.0	76.	175.71	221.9	229.8	87.	100.
13 25 0	259.	100.	2.70	166.	28.93	.11	.0	82.	174.09	222.6	210.1	89.	100.
13 25 5	251.	100.	2.95	154.	29.50	.13	.3	101.	176.35	221.9	197.7	89.	100.
13 25 10	252.	100.	2.89	158.	29.56	.14	.4	101.	176.03	220.3	198.4	90.	100.
13 25 15	253.	100.	2.83	163.	29.80	.11	.5	101.	175.06	221.3	221.9	91.	100.
13 25 23	252.	100.	3.06	161.	29.59	.10	.4	97.	175.06	221.6	211.7	89.	100.
13 25 20	254.	100.	2.99	155.	29.44	.12	.4	94.	175.71	220.7	210.1	90.	100.
13 25 25	251.	100.	2.91	152.	29.50	.11	.3	97.	175.38	221.6	214.9	92.	100.
13 25 30	247.	100.	2.80	164.	29.62	.12	.2	73.	173.76	222.6	196.4	91.	100.
13 25 35	247.	100.	2.85	157.	29.38	.15	.1	76.	174.74	222.3	197.7	90.	100.
13 25 40	251.	100.	2.97	164.	29.02	.09	.2	85.	175.71	221.9	214.9	89.	100.
13 25 46	249.	100.	2.96	152.	29.11	.08	.2	90.	175.38	222.6	206.6	90.	100.
13 25 51	251.	100.	2.82	159.	29.32	.11	.1	99.	175.86	221.9	185.4	87.	100.
13 25 56	250.	100.	2.87	163.	29.38	.12	.2	97.	175.06	221.9	201.8	86.	100.
13 26 1	242.	100.	3.01	161.	28.96	.12	.1	74.	174.41	218.8	225.8	89.	100.
13 26 6	246.	100.	3.08	157.	29.11	.12	.3	85.	174.74	218.8	179.7	89.	100.
13 26 11	243.	100.	2.82	165.	29.50	.15	.1	90.	173.76	221.3	200.3	95.	100.
13 26 16	246.	100.	3.12	153.	28.81	.12	.2	97.	174.41	220.7	213.7	89.	100.
13 26 21	241.	100.	2.85	173.	29.50	.16	.2	93.	175.06	223.9	186.1	90.	100.

TIME H/M/S 06	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 48 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
13 26 26	245.	100.	2.92	171.	29.59	.12	.1	80.	175.38	222.9	199.2	69.	100.
13 26 31	244.	100.	3.01	176.	29.32	.16	.2	88.	175.71	221.3	195.1	88.	100.
13 26 36	244.	100.	3.05	172.	29.28	.15	.1	88.	175.38	221.9	206.6	89.	100.
13 26 41	244.	100.	3.25	161.	29.32	.08	.1	78.	173.76	222.6	226.4	98.	100.
13 26 46	242.	100.	3.21	158.	29.17	.09	.2	89.	174.41	221.9	214.6	91.	100.
13 49 8	219.	-32.	3.58	171.	29.52	.14	.2	78.	167.29	210.8	211.1	93.	100.
13 49 13	221.	-32.	3.59	157.	29.74	.14	.2	80.	169.56	215.1	207.3	88.	100.
13 49 18	223.	-32.	3.26	142.	29.56	.16	.1	88.	173.12	218.8	208.6	86.	100.
13 49 23	222.	-32.	3.34	145.	29.50	.14	.1	86.	173.12	218.8	215.9	90.	100.
13 49 28	222.	-32.	3.48	136.	29.14	.15	.5	97.	173.76	218.8	201.5	83.	100.
13 49 33	222.	-32.	3.57	142.	29.17	.13	.3	95.	173.44	219.1	192.5	82.	100.
13 49 38	221.	-33.	3.50	147.	29.88	.09	.4	93.	171.82	219.4	198.4	94.	100.
13 49 43	220.	-33.	3.48	155.	29.20	.14	.3	85.	169.56	219.4	193.5	94.	100.
13 49 48	223.	-33.	3.48	133.	29.88	.12	.4	101.	172.47	218.1	198.6	86.	100.
13 49 58	223.	-33.	3.77	145.	29.33	.11	.3	91.	172.15	219.4	205.6	91.	100.
13 50 3	222.	-32.	3.59	164.	29.68	.17	.1	88.	173.12	218.1	208.6	79.	100.
13 50 8	223.	-32.	3.44	160.	29.65	.18	.1	82.	173.12	217.2	206.8	82.	100.
13 50 13	226.	-33.	3.68	154.	29.26	.15	.4	77.	169.88	221.3	183.5	80.	100.
13 50 18	225.	-32.	3.63	155.	29.50	.13	.2	80.	171.50	220.3	191.2	83.	100.
13 50 18	224.	-32.	3.79	167.	29.26	.11	.3	72.	166.94	219.4	199.6	88.	100.
13 50 23	225.	-31.	3.72	156.	29.32	.12	.2	78.	164.38	219.4	195.4	83.	100.
13 50 28	225.	-31.	3.75	146.	28.90	.13	.4	103.	172.47	218.8	229.0	81.	100.
13 50 33	225.	-31.	3.78	150.	29.05	.12	.4	102.	172.47	219.1	217.8	81.	100.
13 50 38	220.	-31.	3.73	142.	29.14	.10	.4	91.	172.47	220.0	214.3	91.	100.
13 50 43	221.	-30.	3.67	142.	29.29	.11	.3	96.	172.79	220.0	207.9	91.	100.
13 50 48	223.	-29.	3.81	171.	29.38	.10	.0	73.	171.82	219.4	202.2	87.	100.
13 50 54	223.	-29.	3.82	159.	29.38	.12	.1	82.	172.15	219.7	202.8	87.	100.
13 50 59	221.	-30.	3.77	145.	29.20	.11	.4	95.	173.12	223.9	211.1	94.	100.
13 51 4	221.	-30.	3.79	156.	29.47	.13	.2	86.	172.47	221.9	202.1	87.	100.
13 51 9	221.	-31.	3.83	139.	29.26	.11	.4	85.	174.41	218.8	203.5	82.	100.
13 51 14	222.	-31.	3.89	148.	29.14	.11	.3	84.	173.12	219.1	214.8	85.	100.
13 51 19	221.	-31.	3.95	146.	29.02	.07	.4	91.	172.47	219.4	208.6	95.	100.
13 51 24	221.	-31.	3.88	162.	29.38	.09	.3	86.	172.47	219.4	198.8	90.	100.
13 51 29	220.	-31.	3.79	147.	29.14	.10	.4	102.	173.12	218.1	188.6	90.	100.
14 3 13	219.	-43.	3.76	163.	29.35	.13	.2	91.	173.76	220.0	202.4	89.	100.
14 3 18	219.	-52.	3.79	176.	29.50	.11	.3	82.	167.29	222.6	218.8	84.	100.
14 3 23	230.	-51.	3.92	160.	29.50	.15	.3	80.	173.44	224.8	212.7	81.	100.
14 3 33	254.	-44.	3.85	208.	29.68	.13	.3	88.	180.24	232.1	199.8	77.	100.
14 3 38	259.	-42.	3.91	202.	23.47	.13	.2	93.	182.58	236.3	207.6	78.	100.
14 3 43	285.	-41.	4.18	251.	29.62	.17	.2	65.	184.12	258.8	202.8	78.	100.
14 3 43	290.	-40.	4.18	256.	29.65	.16	.2	83.	187.68	255.1	199.8	78.	100.
14 43 48	305.	-39.	4.13	264.	29.44	.11	0.8	90.	192.53	276.8	215.6	95.	100.
14 3 53	309.	-42.	4.03	266.	29.53	.12	.2	95.	194.47	274.3	211.7	91.	100.
14 43 58	327.	-44.	3.77	274.	29.50	.11	.3	89.	193.00	283.9	194.5	88.	100.
14 4 3	328.	-43.	3.86	259.	29.26	.11	.3	96.	199.32	286.7	198.9	88.	100.
14 4 8	335.	-45.	3.93	278.	29.20	.12	.1	98.	200.27	295.7	215.6	98.	100.
14 4 14	342.	-48.	4.07	261.	24.14	.12	.2	99.	201.55	298.2	209.2	89.	100.
14 4 19	351.	-50.	3.75	250.	29.14	-.00	.2	99.	233.46	306.3	217.5	91.	100.
14 4 24	353.	-49.	3.87	266.	29.26	.06	.2	91.	203.46	308.7	221.0	98.	100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AF SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 T MP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
14 4 29	349.	-48.	3.81	293.	29.62	.15	.2	86.	204.74	316.2	209.8	89.	100.
14 4 34	354.	-47.	3.89	283.	29.17	.14	.1	91.	206.01	319.9	213.7	86.	100.
14 4 39	371.	-45.	3.75	289.	29.26	.11	.3	90.	209.20	326.8	200.3	87.	100.
14 4 44	375.	-44.	4.01	284.	29.08	.13	.2	95.	210.79	330.5	196.7	87.	100.
14 4 49	386.	-45.	3.99	315.	29.38	.15	.1	77.	213.66	344.9	216.8	86.	100.
14 4 54	390.	-43.	4.13	318.	29.35	.16	.1	78.	215.25	348.7	205.7	84.	100.
14 4 59	408.	-47.	3.85	335.	29.26	.13	.3	88.	218.12	361.9	186.7	84.	100.
14 5 4	408.	-46.	3.99	329.	29.32	.12	.3	90.	220.67	365.3	192.9	84.	100.
14 5 9	418.	-52.	3.91	347.	29.38	.11	.3	86.	225.13	377.6	216.8	84.	100.
14 5 14	421.	-53.	4.01	341.	29.17	.11	.2	93.	226.08	381.3	215.6	83.	100.
14 5 19	430.	-58.	3.99	340.	28.96	.15	.1	86.	230.86	393.9	196.4	89.	100.
14 5 24	432.	-59.	4.04	351.	28.99	.15	.1	91.	232.14	398.3	189.3	88.	100.
14 5 29	444.	-58.	4.13	369.	28.80	.18	0.0	86.	228.95	410.2	182.8	87.	100.
14 5 39	450.	-56.	4.06	395.	29.05	.14	.2	86.	233.73	414.6	196.0	84.	100.
14 5 39	452.	-52.	3.79	396.	29.32	.11	.4	94.	247.43	424.6	197.7	83.	100.
14 5 44	455.	-53.	3.89	405.	28.72	.13	.3	92.	246.16	425.9	194.1	85.	100.
14 5 49	461.	-52.	3.95	424.	29.38	.15	.3	85.	246.79	432.2	191.9	88.	100.
14 5 54	458.	-57.	3.95	423.	29.20	.15	.2	86.	248.07	433.7	200.9	89.	100.
14 5 59	458.	-67.	3.81	413.	29.50	.16	.4	95.	249.98	437.8	201.5	93.	100.
14 6 9	452.	-72.	3.78	405.	29.62	.12	.3	90.	247.79	434.7	204.7	88.	100.
14 6 14	440.	-76.	3.95	364.	29.62	.07	.2	84.	246.16	417.7	191.2	84.	100.
14 6 19	437.	-77.	4.15	347.	29.47	.10	.3	86.	241.86	410.2	211.8	85.	100.
14 6 19	420.	-80.	4.03	290.	29.14	.16	.2	102.	232.14	383.8	195.1	78.	100.
14 6 24	419.	-81.	4.83	278.	29.20	.12	.2	99.	230.86	375.1	201.5	83.	100.
14 16 29	418.	-83.	4.16	290.	29.38	.13	.1	77.	225.13	348.7	218.1	80.	100.
14 14 36	335.	-91.	3.47	225.	29.26	.11	.2	86.	201.86	285.3	205.3	78.	100.
14 14 41	251.	-100.	2.66	136.	29.50	.10	.1	103.	177.00	223.2	208.6	91.	100.
14 14 46	252.	-100.	2.57	147.	29.50	.11	.1	99.	176.68	223.2	218.8	87.	100.
14 14 51	244.	-100.	2.48	147.	29.50	.11	.1	103.	177.65	218.8	219.4	91.	100.
14 15 1	246.	-100.	2.41	144.	29.56	.11	.1	101.	176.68	220.7	207.6	84.	100.
14 15 6	250.	-100.	2.42	156.	29.20	-.00	.4	91.	177.00	223.2	223.9	86.	100.
14 15 11	250.	-100.	2.34	151.	29.41	.06	.2	98.	177.00	223.5	221.3	90.	100.
14 15 11	249.	-100.	2.17	159.	29.32	.14	.1	88.	178.94	223.9	206.8	81.	100.
14 15 16	249.	-100.	2.10	165.	29.26	.11	.1	86.	178.29	223.2	196.8	87.	100.
14 15 21	244.	-100.	2.11	163.	29.62	.13	.0	94.	177.00	223.2	156.9	89.	100.
14 15 26	246.	-100.	2.11	165.	29.38	.12	.2	94.	177.65	222.3	171.2	87.	100.
14 15 31	247.	-100.	2.19	169.	29.14	.07	.5	84.	177.65	221.3	188.8	79.	100.
14 15 36	247.	-100.	2.13	155.	29.20	.09	.4	97.	177.65	221.6	196.4	84.	100.
14 15 42	247.	-100.	2.15	180.	29.32	.12	.1	80.	177.65	223.2	216.2	91.	100.
14 15 47	247.	-100.	2.17	180.	29.32	.12	.1	79.	177.00	223.2	216.2	87.	100.
14 15 52	247.	-100.	2.33	172.	29.26	.09	.3	80.	177.00	223.6	185.4	81.	100.
14 17 19	246.	-100.	2.32	165.	29.47	.13	.2	84.	176.62	222.9	195.4	80.	100.
14 17 24	251.	-100.	2.39	177.	29.38	.01	.2	89.	184.76	224.5	177.6	82.	100.
14 17 29	248.	-100.	2.44	174.	29.47	.04	0.0	95.	184.12	219.1	192.5	86.	100.
14 17 34	242.	-100.	2.31	204.	29.56	.01	-.1	108.	180.24	284.1	215.6	88.	100.
14 17 39	243.	-100.	2.33	221.	29.35	.01	.1	106.	179.91	281.2	203.7	85.	100.
14 17 44	249.	-100.	2.31	237.	29.74	.01	0.0	103.	177.00	196.4	216.8	80.	100.
14 17 54	247.	-100.	2.36	261.	29.56	.01	.1	99.	177.00	194.8	216.5	83.	100.
14 17 59	242.	-100.	2.25	256.	29.38	.14	.1	111.	200.91	218.8	213.0	74.	100.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 48 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIP TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
14 18 4	243.	-100.	2.38	256.	29.44	.15	.1	101.	207.28	220.8	208.2	81.	100.
14 18 4	245.	-100.	2.48	223.	29.82	.11	.1	95.	209.20	241.7	193.2	84.	100.
14 18 9	244.	-100.	2.48	216.	29.32	.12	.1	96.	205.85	237.6	207.2	88.	100.
14 18 14	245.	-100.	2.85	172.	29.32	.08	.1	107.	195.12	229.6	213.8	85.	100.
14 18 19	244.	-100.	2.74	169.	29.23	.14	.1	109.	192.53	220.6	214.3	86.	100.
14 32 7	227.	-100.	2.11	187.	29.28	.07	.3	89.	181.53	244.2	166.8	86.	100.
14 32 13	223.	-100.	2.07	176.	29.32	.06	.1	90.	182.18	238.2	195.6	83.	100.
14 32 18	219.	-100.	2.25	168.	29.56	.01	.1	86.	180.48	223.2	272.1	84.	100.
14 32 23	220.	-100.	2.15	163.	28.81	.03	.8	94.	180.24	221.8	266.4	85.	100.
14 32 28	221.	-100.	1.94	163.	29.32	0.00	.2	97.	182.18	214.3	222.6	87.	100.
14 32 33	220.	-100.	2.14	163.	28.72	.00	.2	96.	181.53	214.3	212.7	84.	100.
14 32 39	217.	-100.	2.19	178.	29.32	.03	0.0	95.	179.59	211.7	206.8	88.	100.
14 32 44	216.	-100.	2.21	167.	29.47	.03	.1	99.	179.26	211.7	216.2	86.	100.
14 32 49	216.	-100.	2.21	173.	28.98	.05	-.0	124.	179.59	198.4	188.8	83.	100.
14 32 54	215.	-100.	2.12	165.	29.11	.04	.1	113.	178.94	203.1	194.1	84.	100.
14 32 59	212.	-100.	2.27	152.	28.96	.06	-.0	112.	178.29	203.5	211.1	77.	100.
14 33 4	212.	-100.	2.25	161.	29.11	.03	.1	94.	178.29	205.1	206.3	80.	100.
14 33 9	212.	-100.	2.39	198.	29.32	.01	.0	95.	177.30	208.0	209.8	83.	100.
14 33 14	213.	-100.	2.36	185.	29.29	.03	-.2	104.	177.32	206.0	209.2	81.	100.

C COMMUTATOR

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 29 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
13 1 1	-40.00	-.23	.27	-.08	.0	-12.35	86.	89.	87.	LOW	84.	84.	82.
13 1 12	-40.00	-.66	.22	-.09	.0	-12.43	86.	91.	87.	LOW	84.	85.	82.
13 1 17	-40.00	-.31	.27	-.07	-.1	-12.64	86.	77.	86.	LOW	86.	82.	82.
13 1 22	-40.00	-.29	.20	-.10	-.0	-12.45	86.	78.	85.	LOW	86.	81.	82.
13 1 27	-40.00	-.66	.31	-.10	-.0	-12.52	87.	196.	87.	LOW	84.	80.	82.
13 1 32	-40.00	-.68	.23	-.10	-.0	-12.52	86.	89.	87.	LOW	85.	81.	82.
13 1 32	-40.00	-.23	.27	-.12	0.0	-12.43	86.	97.	87.	LOW	84.	80.	83.
13 1 38	-40.00	-.45	.16	-.12	-.0	-12.43	86.	95.	87.	LOW	84.	79.	83.
13 41 48	-40.00	-.27	.16	-.06	0.0	-12.56	86.	101.	86.	LOW	84.	79.	82.
13 1 53	-40.00	-.35	.20	-.08	-.0	-12.58	85.	105.	87.	LOW	84.	80.	82.
13 41 58	-40.00	-.35	.12	-.11	.1	-12.70	85.	73.	88.	LOW	86.	82.	84.
13 41 58	-40.00	-.33	.20	-.17	.1	-12.51	85.	89.	87.	LOW	86.	81.	83.
13 2 3	-40.00	-.16	.27	-.09	0.0	-12.43	86.	92.	86.	LOW	82.	82.	82.
13 42 8	-40.00	-.16	.29	-.10	.0	-12.43	86.	88.	87.	LOW	85.	82.	81.
13 2 13	-40.00	-.66	0.00	-.12	0.0	-12.49	86.	76.	88.	LOW	84.	80.	82.
13 2 18	-40.00	-.41	.12	-.11	.0	-12.60	86.	85.	87.	LOW	84.	81.	82.
13 2 23	-40.00	-.31	.39	-.11	-.1	-12.58	86.	90.	86.	LOW	86.	82.	86.
13 4 6	-40.00	-.39	.49	-.10	-.1	-12.46	85.	97.	87.	LOW	85.	80.	84.
13 4 11	-40.00	-.20	.16	1.27	0.0	-12.43	85.	59.	86.	LOW	84.	78.	82.
13 4 11	-40.00	-.20	.20	1.25	.0	-12.48	85.	54.	86.	LOW	85.	79.	79.
13 4 16	-40.00	-.20	.35	1.22	.1	-12.52	86.	112.	84.	LOW	85.	79.	83.
13 4 21	-40.00	-.20	.29	.53	.0	-12.51	87.	138.	86.	LOW	85.	80.	80.
13 4 26	-40.00	-.39	.20	-.11	-.1	-12.58	87.	123.	87.	LOW	85.	78.	83.
13 4 31	-40.00	-.35	.22	-.11	-.1	-12.57	86.	127.	87.	LOW	85.	78.	78.
13 4 44	-40.00	-.51	.27	-.11	.1	-12.46	88.	203.	86.	LOW	85.	78.	82.
13 4 42	-40.00	-.43	.22	-.12	.1	-12.48	87.	162.	86.	LOW	85.	79.	82.
13 4 47	-40.00	-.39	.23	-.11	-.0	-12.46	86.	46.	86.	LOW	84.	79.	82.
13 4 52	-40.00	-.43	.25	-.11	-.0	-12.57	87.	64.	86.	LOW	84.	79.	82.
13 4 65	-40.00	-.47	.39	-.12	-.3	-12.49	87.	86.	87.	LOW	88.	80.	82.
13 5 2	-40.00	-.39	.27	-.12	-.1	-12.54	87.	84.	87.	LOW	82.	80.	82.
13 5 7	-40.00	-.35	.08	-.12	0.0	-12.55	85.	71.	86.	LOW	84.	74.	82.
13 5 12	-40.00	-.27	.20	-.12	.0	-12.60	86.	77.	86.	LOW	82.	77.	82.
13 5 17	-40.00	-.20	.23	-.09	.2	-12.55	85.	64.	86.	LOW	79.	81.	77.
13 5 22	-40.00	-.20	.25	-.10	.0	-12.57	87.	65.	86.	LOW	82.	81.	80.
13 5 27	-40.00	.04	.31	-.10	-.1	-12.43	87.	86.	88.	LOW	84.	79.	84.
13 5 32	-40.00	-.08	.33	-.11	-.0	-12.42	86.	85.	81.	LOW	82.	79.	83.
13 5 37	-39.96	-.16	.16	-.11	.2	-12.70	84.	74.	87.	LOW	84.	80.	82.
13 5 42	-39.53	-.18	.22	.56	.2	-12.49	85.	88.	87.	LOW	84.	80.	80.
13 5 47	-40.00	-.04	.23	1.36	.0	-12.38	88.	136.	86.	LOW	82.	83.	81.
13 5 52	-39.62	.10	.16	1.06	.1	-12.30	85.	96.	85.	LOW	84.	82.	81.
13 5 57	-40.00	.23	.27	.74	.2	-12.17	87.	134.	87.	LOW	85.	80.	82.
13 6 7	-40.00	.23	.25	.74	.1	-12.18	87.	142.	87.	LOW	85.	81.	82.
13 6 7	-40.00	.23	.12	.58	.2	-12.35	87.	139.	88.	LOW	86.	79.	74.
13 6 12	-39.65	.25	.18	.57	.1	-12.27	86.	120.	88.	LOW	86.	81.	78.
13 6 17	-40.00	.47	.23	.56	.1	-12.46	84.	99.	86.	LOW	84.	80.	81.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSO L/HENG
07													
13 6 22	-39.94	.27	.18	.56	.1	-12.35	83.	87.	85.	LOW	82.	77.	81.
13 6 27	-39.92	.16	.16	.56	-.1	-12.28	88.	194.	90.	LOW	87.	84.	82.
13 6 37	-39.96	.18	.27	.57	.0	-12.21	88.	173.	90.	LOW	87.	83.	82.
13 6 42	-39.73	.88	.28	.57	0.0	-12.29	86.	67.	86.	LOW	79.	79.	82.
13 6 47	-39.86	-.08	.16	.59	.1	-12.45	86.	56.	85.	LOW	81.	79.	82.
13 6 47	-39.92	.23	.35	.58	.2	-12.26	82.	77.	85.	LOW	84.	77.	88.
13 6 52	-39.96	.14	.37	.57	.3	-12.38	81.	90.	86.	LOW	79.	79.	81.
13 6 57	-40.00	.12	.16	.73	-.0	-12.17	84.	134.	89.	LOW	87.	82.	79.
13 7 2	-40.00	.84	.22	.84	.8	-12.21	83.	122.	88.	LOW	86.	82.	81.
13 7 7	-40.00	.31	.12	1.16	.1	-12.14	82.	185.	88.	LOW	86.	79.	76.
13 7 12	-39.92	.29	.22	1.24	.1	-12.18	84.	138.	87.	LOW	85.	78.	79.
13 7 18	-39.77	.16	.16	1.54	.1	-12.29	86.	133.	84.	LOW	82.	77.	79.
13 7 23	-39.88	.14	.25	1.65	.2	-12.24	84.	152.	86.	LOW	84.	78.	88.
13 7 28	-38.94	.39	.35	2.06	.2	-12.32	86.	58.	88.	LOW	84.	83.	82.
13 7 33	-39.47	.31	.29	2.07	.2	-12.35	84.	119.	81.	LOW	86.	88.	82.
13 7 38	-40.00	.39	.23	1.98	.1	-12.38	82.	147.	87.	LOW	86.	82.	82.
13 7 43	-40.00	.43	.18	1.58	.1	-12.36	83.	113.	86.	LOW	85.	80.	82.
13 7 48	-40.00	.47	.39	1.27	.1	-12.26	82.	112.	89.	LOW	87.	78.	82.
13 7 53	-39.98	.39	.39	1.29	.8	-12.27	85.	49.	86.	LOW	84.	80.	82.
13 7 58	-39.61	.27	.27	1.29	-.5	-12.23	83.	202.	89.	LOW	87.	88.	82.
13 8 3	-39.20	.41	.31	1.38	-.2	-12.16	86.	113.	86.	LOW	84.	81.	82.
13 48 8	-37.61	.31	.59	1.38	.1	-12.35	86.	56.	86.	LOW	79.	86.	84.
13 8 13	-38.18	.29	.41	1.38	.1	-12.26	87.	52.	85.	LOW	81.	84.	83.
13 8 18	-38.40	.47	.23	.52	.0	-12.32	84.	93.	85.	LOW	83.	78.	85.
13 8 23	-38.34	.33	.20	.55	.2	-12.39	83.	97.	87.	LOW	85.	79.	85.
13 8 28	-37.93	.27	.31	.71	.2	-12.46	80.	98.	88.	LOW	85.	88.	88.
13 8 33	-37.91	.31	.31	.79	.2	-12.38	82.	89.	87.	LOW	85.	79.	89.
13 8 43	-37.42	.31	.27	.87	.2	-12.73	89.	87.	83.	LOW	82.	82.	91.
13 8 43	-38.06	.35	.18	.86	.2	-12.46	98.	85.	84.	LOW	82.	81.	92.
13 48 48	-36.79	.43	.35	.85	-.1	-12.26	88.	85.	84.	LOW	82.	83.	93.
13 8 53	-36.62	.45	.45	.85	.8	-12.30	88.	86.	84.	LOW	84.	82.	94.
13 8 58	-38.59	.59	.39	.87	.2	-12.14	89.	87.	82.	LOW	83.	81.	98.
13 9 3	-37.79	.51	.29	.86	.2	-12.24	89.	87.	82.	LOW	84.	82.	96.
13 9 13	-36.64	.43	.27	.85	.1	-12.23	89.	86.	82.	LOW	85.	82.	101.
13 9 18	-36.79	.43	.43	.86	.1	-12.24	91.	87.	83.	LOW	85.	81.	99.
13 9 23	-37.22	.63	.35	.85	.0	-12.23	90.	85.	82.	LOW	82.	82.	109.
13 9 28	-36.95	.55	.33	.86	.0	-12.24	91.	86.	82.	LOW	83.	81.	111.
13 9 28	-37.61	.51	.16	.85	.2	-12.11	93.	89.	82.	LOW	84.	81.	99.
13 9 33	-37.38	.59	.16	.86	.1	-12.14	92.	88.	82.	LOW	84.	77.	105.
13 9 38	-35.87	.78	.12	.84	.1	-12.26	93.	86.	82.	LOW	82.	78.	118.
13 9 43	-35.84	.78	.22	.84	.1	-12.17	92.	86.	81.	LOW	82.	78.	111.
13 49 48	-37.46	.74	.31	.84	.1	-12.23	93.	86.	84.	LOW	85.	74.	108.
13 9 53	-37.77	.65	.18	.85	.2	-12.38	94.	87.	83.	LOW	83.	77.	106.
13 9 59	-36.87	.47	.12	.86	.2	-12.14	93.	89.	81.	LOW	84.	82.	116.
13 10 4	-36.70	.53	.14	.85	.1	-12.13	93.	88.	81.	LOW	85.	82.	116.
13 10 9	-38.20	.70	.16	.95	.1	-12.28	90.	89.	79.	LOW	82.	81.	121.
13 10 22	-37.65	.61	.16	.91	.2	-12.26	92.	89.	79.	LOW	83.	81.	122.
13 10 19	-36.64	.66	.27	.86	0.0	-12.17	95.	84.	80.	LOW	82.	80.	121.
13 10 24	-37.11	.65	.25	.85	.1	-12.18	95.	86.	80.	LOW	82.	80.	123.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 20 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
13 10 29	-37.07	.63	.23	.85	.2	-12.23	92.	85.	79.	LOW	82.	88.	125.
13 10 34	-36.75	.63	.25	.84	.1	-12.24	95.	86.	80.	LOW	82.	88.	121.
13 10 39	-37.42	.47	.12	.84	.3	-12.40	99.	89.	79.	LOW	80.	78.	123.
13 10 44	-37.69	.53	.14	.84	.3	-12.38	97.	91.	84.	LOW	82.	81.	124.
13 10 49	-36.64	.47	.27	.84	.3	-12.40	95.	90.	80.	LOW	82.	81.	134.
13 10 54	-36.52	.57	.20	.85	.1	-12.36	96.	89.	83.	LOW	84.	84.	125.
13 11 43	-35.50	.78	.28	1.42	.3	-12.32	101.	95.	76.	LOW	89.	85.	136.
13 51 48	-35.66	.70	.14	1.52	.3	-12.33	101.	90.	76.	LOW	86.	82.	135.
13 51 58	-36.36	.43	.12	1.70	0.0	-12.23	103.	90.	76.	LOW	77.	74.	137.
13 12 3	-36.11	.43	.14	1.77	.0	-12.24	103.	90.	78.	LOW	82.	77.	135.
13 12 3	-37.81	.86	.35	1.92	.1	-12.32	102.	91.	70.	LOW	74.	76.	139.
13 52 8	-37.91	.80	.35	2.80	.2	-12.27	101.	90.	79.	LOW	77.	76.	140.
13 12 13	-36.36	.70	.16	2.52	.1	-12.40	106.	91.	85.	LOW	79.	84.	132.
13 12 18	-35.43	.80	.20	2.64	.1	-12.38	105.	90.	82.	LOW	79.	88.	130.
13 12 28	-36.95	.94	.20	2.89	.1	-12.32	105.	88.	80.	LOW	80.	78.	138.
13 12 33	-36.32	.88	.25	2.89	.1	-12.38	106.	90.	82.	LOW	82.	81.	137.
13 12 38	-36.13	.90	.23	2.85	.2	-12.35	104.	91.	84.	LOW	87.	74.	141.
13 12 38	-36.21	1.00	.29	2.86	.1	-12.23	105.	92.	82.	LOW	86.	75.	140.
13 12 43	-36.95	.59	.31	2.84	-.1	-12.11	101.	91.	76.	LOW	80.	80.	149.
13 52 48	-36.92	.72	.35	2.84	.1	-12.23	104.	93.	81.	LOW	82.	83.	146.
13 12 53	-35.97	1.06	.16	2.88	.0	-12.35	107.	91.	84.	LOW	82.	82.	136.
13 12 58	-36.11	.66	.14	2.83	.1	-12.45	106.	91.	84.	LOW	83.	82.	139.
13 13 3	-35.54	.74	.27	2.70	-.0	-12.29	105.	90.	88.	LOW	79.	74.	147.
13 13 9	-36.85	.68	.22	2.71	.1	-12.26	105.	86.	80.	LCW	76.	74.	148.
13 13 14	-35.54	.59	.27	2.69	-.4	-12.17	108.	88.	81.	LOW	78.	76.	151.
13 13 19	-35.78	.80	.16	2.72	-.2	-12.30	108.	81.	84.	LOW	83.	83.	153.
13 13 24	-36.61	.94	.08	2.80	.3	-12.76	112.	95.	86.	LOW	84.	79.	141.
13 13 29	-35.82	.90	.20	2.79	.2	-12.46	108.	93.	85.	LOW	82.	79.	142.
13 13 34	-34.76	.90	.43	2.85	.3	-12.46	108.	94.	79.	LOW	85.	87.	154.
13 13 39	-35.52	.94	.33	2.86	.1	-12.36	110.	95.	82.	LOW	87.	84.	145.
13 13 44	-35.70	.59	.12	2.91	.2	-12.26	110.	93.	85.	LCW	88.	89.	160.
13 13 49	-36.01	.76	.20	2.72	.1	-12.20	109.	92.	82.	LOW	84.	84.	160.
13 13 54	-35.39	.82	-.04	2.67	0.0	-12.43	106.	91.	82.	LCW	82.	88.	162.
13 13 59	-35.95	.90	.04	2.71	.1	-12.30	109.	92.	83.	LOW	85.	84.	157.
13 14 4	-36.09	.94	.20	2.77	.2	-12.35	112.	92.	81.	LCW	85.	75.	153.
13 14 9	-36.32	.78	.16	2.76	.3	-12.35	112.	91.	82.	LCW	83.	77.	151.
13 14 14	-35.86	.86	0.00	2.76	.2	-12.64	113.	84.	86.	LOW	88.	88.	160.
13 14 19	-35.33	.88	.14	2.72	.1	-12.46	112.	88.	84.	LCW	82.	85.	162.
13 14 24	-36.32	.98	.16	2.85	-.2	-12.32	111.	93.	01.	LCW	78.	83.	170.
13 14 34	-36.03	.96	.14	2.84	-.2	-12.33	111.	92.	81.	LCW	81.	83.	170.
13 14 34	-35.27	1.17	.23	2.05	0.0	-12.26	117.	92.	84.	LCW	86.	80.	159.
13 14 39	-35.35	1.04	.14	2.86	-.0	-12.26	114.	92.	84.	LOW	85.	02.	167.
13 14 44	-33.82	.98	.31	2.95	.2	-12.17	116.	08.	70.	LOW	82.	79.	159.
13 14 49	-33.80	.90	.16	2.78	.2	-12.23	116.	91.	80.	LCW	83.	82.	164.
13 14 54	-34.92	1.06	.23	2.72	.2	-12.32	113.	91.	78.	LOW	83.	84.	167.
13 15 4	-34.70	1.04	.22	2.73	.1	-12.29	112.	08.	77.	LCW	82.	81.	166.
13 15 9	-33.82	.78	-.04	2.83	.1	-12.26	117.	90.	84.	LCW	84.	88.	158.
13 15 14	-34.04	.94	.14	2.83	.1	-12.26	119.	93.	84.	LCW	88.	82.	160.
13 15 19	-35.11	.94	.15	2.86	.1	-12.35	116.	96.	82.	LOW	88.	88.	170.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
13 15 19	-34.88	.68	.22	2.85	.2	-12.39	116.	95.	78.	LOW	85.	84.	160.
13 15 24	-35.07	.78	.84	2.88	.1	-12.32	119.	94.	76.	LOW	81.	77.	178.
13 15 29	-34.84	.61	.12	2.88	.2	-12.24	121.	95.	83.	LOW	83.	81.	170.
13 15 34	-36.17	.78	.23	2.98	0.0	-12.17	119.	95.	75.	LOW	88.	76.	165.
13 15 39	-35.11	.68	.20	2.93	.1	-12.18	119.	96.	77.	LOW	83.	81.	168.
13 15 44	-33.98	.43	.88	2.90	.1	-12.23	121.	96.	80.	LOW	86.	84.	157.
13 15 50	-34.10	.66	.25	2.73	.0	-12.24	121.	97.	79.	LOW	85.	83.	167.
13 15 55	-33.70	.63	0.00	2.71	0.0	-12.23	121.	99.	88.	LOW	86.	85.	176.
13 16 0	-33.55	.80	.84	2.73	.1	-12.21	123.	99.	80.	LOW	85.	86.	176.
13 16 5	-34.29	.63	.12	2.75	.3	-12.61	124.	99.	85.	LOW	86.	87.	178.
13 16 10	-34.23	.78	.86	2.75	.2	-12.54	123.	97.	78.	LOW	83.	83.	177.
13 16 15	-34.57	.74	-.08	2.76	.2	-12.28	127.	97.	79.	LOW	79.	88.	183.
13 16 20	-34.68	.66	.12	2.71	.2	-12.28	125.	96.	78.	LOW	81.	86.	187.
13 16 25	-34.86	.78	-.84	2.81	.0	-12.14	126.	97.	82.	LOW	86.	84.	176.
13 16 30	-34.76	.92	.84	2.88	.0	-12.16	126.	97.	88.	LOW	84.	84.	179.
13 16 35	-35.54	.70	.27	2.84	.1	-12.23	123.	96.	69.	LOW	78.	72.	176.
13 16 40	-35.54	.70	.20	2.85	.2	-12.23	125.	97.	71.	LOW	88.	77.	175.
13 16 53	-34.33	.51	.16	2.93	.2	-12.29	125.	98.	75.	LOW	78.	78.	178.
13 16 50	-35.11	.39	.18	2.76	.2	-12.30	127.	95.	78.	LOW	76.	88.	177.
13 56 55	-35.08	.43	.31	2.73	.1	-12.20	127.	99.	76.	LOW	86.	86.	188.
13 17 0	-34.29	.49	.29	2.76	.0	-12.26	128.	98.	78.	LOW	86.	85.	188.
13 17 10	-32.53	1.09	.16	2.84	-.0	-13.17	128.	95.	74.	LOW	78.	81.	184.
13 17 18	-33.88	.86	.22	2.89	.1	-12.71	128.	97.	74.	LOW	78.	79.	179.
13 17 15	-33.47	.78	.27	2.87	-.0	-12.23	129.	99.	74.	LOW	82.	86.	186.
13 17 20	-34.70	.76	.12	2.88	-.0	-12.32	129.	99.	77.	LOW	82.	85.	183.
13 17 25	-35.00	1.60	.39	2.90	.1	-12.35	130.	101.	76.	LOW	89.	85.	181.
13 17 30	-35.95	1.66	.20	2.90	.1	-12.27	127.	99.	75.	LOW	84.	79.	178.
13 17 40	-35.35	1.41	.31	2.89	.3	-12.23	127.	101.	81.	LOW	82.	82.	181.
13 17 45	-35.29	1.43	.23	2.85	.2	-12.24	128.	99.	81.	LOW	82.	83.	184.
13 17 50	-35.86	1.80	.20	2.87	0.0	-12.32	127.	98.	76.	LOW	86.	78.	176.
13 17 55	-35.48	1.72	.22	2.72	.1	-12.32	128.	99.	77.	LOW	84.	79.	177.
13 17 55	-36.83	1.64	.35	2.71	.4	-12.14	126.	99.	76.	LOW	77.	85.	194.
13 18 0	-37.11	1.54	.31	2.72	.3	-12.23	125.	98.	71.	LOW	78.	82.	192.
13 18 5	-37.56	1.49	.08	2.72	.1	-12.23	128.	98.	73.	LOW	76.	76.	185.
13 18 10	-37.50	1.41	.04	2.73	.1	-12.32	129.	94.	74.	LOW	78.	79.	189.
13 18 15	-36.48	1.82	.12	2.64	.1	-12.11	132.	102.	77.	LOW	77.	84.	178.
13 18 20	-36.66	.88	.16	2.67	.1	-12.24	133.	101.	78.	LOW	79.	81.	181.
13 18 26	-35.97	.88	.04	2.77	.3	-12.43	129.	96.	74.	LOW	79.	79.	191.
13 18 31	-36.50	.51	.18	2.78	.1	-12.38	130.	98.	78.	LOW	82.	84.	198.
13 18 36	-36.83	.98	.08	2.83	.2	-12.32	126.	97.	76.	LOW	74.	82.	199.
13 18 41	-36.38	.80	.14	2.86	.1	-12.32	128.	97.	76.	LOW	77.	83.	199.
13 18 46	-35.70	.70	.27	2.91	.1	-12.32	134.	97.	81.	LOW	84.	84.	191.
13 18 51	-35.48	.96	.25	2.74	.1	-12.21	133.	99.	79.	LOW	81.	82.	187.
13 18 56	-34.33	.74	.16	2.73	.1	-12.20	132.	97.	74.	LOW	80.	82.	188.
13 19 1	-35.95	.90	.27	2.69	-.0	-12.26	131.	98.	77.	LOW	80.	83.	193.
13 19 6	-36.72	.86	.31	2.82	0.0	-12.32	129.	97.	77.	LOW	76.	76.	191.
13 19 11	-37.05	.72	.31	2.82	-.0	-12.36	128.	97.	77.	LOW	78.	78.	193.
13 19 16	-37.69	.47	.84	2.87	.2	-12.23	128.	97.	80.	LOW	76.	75.	194.
13 19 21	-37.75	.70	.06	2.42	.2	-12.24	130.	97.	81.	LOW	79.	81.	198.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
0													
13 22 24	-36.21	1.06	.31	.99	.2	-12.82	130.	96.	81.	LOW	81.	79.	205.
13 22 29	-35.87	.74	.29	.91	.1	-12.16	127.	97.	79.	LOW	81.	82.	212.
13 22 34	-34.13	.78	.39	.87	.3	-12.35	118.	100.	79.	LOW	82.	63.	209.
13 22 34	-33.98	.57	.39	.86	.1	-12.21	118.	96.	01.	LOW	81.	79.	211.
13 22 39	-33.84	.51	.23	.84	.1	-12.29	121.	93.	84.	LOW	80.	80.	206.
13 22 44	-32.98	.39	.12	.85	.0	-12.24	121.	95.	02.	LOW	79.	79.	206.
13 22 49	-33.31	.59	.39	.87	0.0	-12.14	123.	95.	04.	LOW	84.	84.	213.
13 22 54	-33.08	.72	.39	.85	-.2	-12.20	122.	90.	81.	LOW	83.	83.	213.
13 22 59	-32.73	.55	.12	.78	.2	-12.46	119.	95.	00.	LOW	80.	78.	209.
13 23 4	-32.39	.57	.14	.81	.1	-12.32	116.	95.	79.	LOW	77.	78.	214.
13 23 10	-33.47	.74	.31	.87	.1	-12.35	117.	95.	76.	LOW	78.	78.	215.
13 23 15	-33.37	.70	.29	.87	.1	-12.24	117.	98.	77.	LOW	76.	79.	212.
13 23 20	-31.95	.43	.27	.85	.1	-12.17	123.	99.	81.	LOW	02.	80.	217.
13 23 25	-32.30	.51	.29	.87	.1	-12.16	123.	99.	78.	LOW	81.	84.	217.
13 23 30	-31.91	.55	-.04	.84	.0	-12.40	128.	95.	83.	LOW	02.	79.	214.
13 23 35	-31.53	.25	.02	.84	.0	-12.32	126.	97.	01.	LOW	81.	81.	216.
13 23 40	-30.26	.74	.31	.80	.2	-12.23	123.	99.	81.	LOW	84.	88.	219.
13 23 45	-30.81	.72	.22	.05	.2	-12.35	121.	98.	79.	LOW	80.	81.	217.
13 23 50	-30.34	.86	.23	.85	.3	-12.35	117.	95.	79.	LOW	80.	82.	224.
13 23 55	-29.95	.74	.10	.83	.2	-12.35	119.	96.	00.	LOW	80.	81.	217.
13 24 0	-29.95	.23	.23	.85	0.0	-12.26	121.	98.	01.	LOW	80.	84.	226.
13 24 5	-30.26	.16	.27	.89	.1	-12.27	120.	96.	80.	LOW	79.	80.	224.
13 24 10	-31.12	.66	.23	.85	.2	-12.35	117.	96.	76.	LOW	79.	84.	230.
13 24 15	-30.46	.86	.29	.85	.1	-12.26	116.	95.	77.	LOW	79.	83.	229.
13 24 20	-29.17	.43	.31	.86	-.1	-12.14	117.	95.	78.	LOW	79.	82.	219.
13 24 25	-30.26	.65	.25	.87	.1	-12.24	116.	96.	77.	LOW	78.	82.	223.
13 24 30	-29.13	1.02	.16	.86	.3	-12.46	119.	100.	82.	LOW	82.	86.	222.
13 24 35	-29.44	.74	.16	.06	-.0	-12.30	118.	97.	01.	LOW	80.	81.	220.
13 24 40	-31.95	.12	.16	.86	.1	-12.20	114.	96.	76.	LOW	80.	85.	229.
13 24 58	-33.37	.04	.22	.85	.1	-12.27	113.	95.	76.	LOW	79.	83.	220.
13 24 55	-34.86	.86	.39	.86	-.1	-12.32	119.	100.	84.	LOW	79.	84.	221.
13 25 0	-34.23	.80	.33	.86	.1	-12.30	118.	99.	79.	LOW	81.	87.	222.
13 25 5	-34.02	.63	.27	.83	.0	-12.26	116.	97.	76.	LOW	81.	82.	221.
13 25 10	-33.45	.72	.20	.83	.1	-12.29	119.	97.	80.	LOW	80.	82.	221.
13 25 15	-32.02	.66	-.04	.81	.1	-12.35	121.	95.	78.	LOW	79.	82.	231.
13 25 23	-32.26	.80	.16	.83	.0	-12.26	121.	96.	79.	LOW	78.	81.	224.
13 25 20	-31.48	.59	.23	.84	.0	-12.23	127.	101.	80.	LOW	80.	82.	223.
13 25 25	-31.95	.63	.33	.84	0.0	-12.29	123.	101.	78.	LOW	79.	78.	220.
13 25 30	-31.91	.86	.20	.85	.2	-12.30	121.	91.	80.	LOW	76.	83.	235.
13 25 35	-31.79	.72	.23	.86	.1	-12.24	122.	93.	79.	LOW	77.	82.	230.
13 25 40	-31.83	.63	.27	.85	.0	-12.23	127.	94.	89.	LOW	84.	04.	228.
13 25 46	-31.93	.29	.27	.85	.0	-12.23	123.	93.	83.	LOW	80.	83.	229.
13 25 51	-30.65	.70	.20	.83	.1	-12.32	125.	99.	83.	LOW	85.	88.	230.
13 25 56	-31.55	.80	.37	.83	-.1	-12.35	126.	97.	83.	LOW	84.	88.	233.
13 26 1	-30.54	.47	.39	.86	0.0	-12.76	124.	91.	79.	LOW	76.	76.	235.
13 26 6	-30.17	.39	.31	.84	-.3	-12.43	125.	95.	82.	LOW	79.	83.	233.
13 26 11	-30.52	.55	.12	.85	.3	-12.76	124.	99.	79.	LOW	80.	82.	230.
13 26 16	-30.56	.51	.14	.84	.2	-12.57	125.	97.	83.	LOW	01.	83.	229.
13 26 21	-30.36	.59	.27	.86	-.0	-12.35	120.	06.	77.	LOW	77.	79.	234.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 61 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 26 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HEMG
07													
13 26 26	-30.62	.43	.22	.86	.1	-12.52	120.	92.	80.	LOW	78.	81.	230.
13 26 31	-30.58	.63	.35	.87	.1	-12.56	123.	99.	81.	LOW	78.	81.	224.
13 26 36	-30.28	.66	.41	.91	.2	-12.42	124.	97.	82.	LOW	81.	84.	229.
13 26 41	-29.56	-.04	.39	.86	-.0	-12.70	125.	93.	80.	LOW	78.	74.	239.
13 26 46	-30.28	.20	.31	.85	0.0	-12.38	124.	96.	79.	LOW	78.	76.	238.
13 49 8	-11.03	.27	.27	.84	.1	-12.35	118.	90.	78.	LOW	77.	80.	274.
13 49 13	-11.12	.37	.12	.83	.2	-12.29	117.	92.	79.	LOW	78.	85.	274.
13 49 18	-12.47	.23	-.04	.83	.3	-12.24	118.	94.	81.	LOW	78.	84.	265.
13 49 23	-11.69	.22	0.00	.86	.3	-12.23	118.	91.	80.	LOW	77.	82.	270.
13 49 28	-11.57	.59	.16	.91	.2	-12.29	117.	95.	79.	LOW	78.	84.	276.
13 49 33	-11.69	.65	.16	.89	.0	-12.49	117.	93.	79.	LOW	78.	83.	271.
13 49 38	-10.64	.51	.27	.87	-.1	-12.43	117.	84.	80.	LOW	74.	82.	279.
13 49 43	-10.89	.27	.22	.85	.0	-12.42	116.	89.	78.	LOW	76.	82.	274.
13 49 48	-12.12	.35	.28	.85	0.0	-12.23	119.	91.	82.	LOW	76.	81.	270.
13 49 58	-11.79	.31	.37	.85	0.0	-12.33	119.	90.	80.	LOW	76.	81.	272.
13 50 3	-11.46	.31	.16	.83	.1	-12.14	117.	93.	80.	LOW	80.	85.	270.
13 50 8	-11.93	.22	.08	.84	.2	-12.18	110.	94.	80.	LOW	79.	83.	268.
13 50 13	-11.93	.39	.47	.83	.1	-12.35	120.	90.	83.	LOW	78.	84.	265.
13 50 18	-12.20	.37	.45	.83	.1	-12.24	116.	91.	82.	LOW	78.	84.	272.
13 50 18	-12.16	.27	.47	.84	-.0	-12.46	117.	91.	80.	LOW	78.	83.	269.
13 50 23	-12.73	.27	.18	.84	-.0	-12.26	117.	90.	80.	LOW	79.	85.	275.
13 50 28	-14.00	-.04	.35	.87	.1	-12.35	117.	94.	82.	LOW	80.	84.	270.
13 50 33	-14.29	.22	.29	.86	.0	-12.39	110.	92.	83.	LOW	81.	85.	271.
13 50 38	-14.12	.31	.43	.83	-.1	-12.40	114.	90.	79.	LOW	76.	84.	269.
13 50 43	-14.43	.29	.22	.84	.1	-12.45	116.	91.	78.	LOW	77.	83.	283.
13 50 48	-13.08	0.00	.28	.82	.2	-12.20	115.	91.	80.	LOW	77.	84.	277.
13 50 54	-12.32	.22	.14	.84	.1	-12.17	115.	92.	79.	LOW	77.	85.	279.
13 50 59	-14.43	.55	.23	.86	.1	-12.32	110.	93.	77.	LOW	77.	82.	278.
13 51 4	-14.43	.39	.25	.83	.2	-12.23	115.	91.	79.	LOW	78.	83.	272.
13 51 9	-14.56	.66	-.04	.85	-.1	-12.26	117.	95.	80.	LOW	82.	86.	270.
13 51 14	-14.49	.57	.14	.84	-.1	-12.33	117.	93.	81.	LOW	80.	85.	272.
13 51 19	-14.76	.31	.31	.83	.1	-12.35	116.	90.	81.	LOW	78.	86.	283.
13 51 24	-14.49	.22	.35	.82	.1	-12.35	115.	91.	80.	LOW	77.	85.	284.
13 51 29	-15.84	.47	.51	.85	-.1	-12.61	117.	96.	79.	LOW	76.	81.	271.
14 3 13	-27.92	.35	.31	.96	-.0	-12.35	118.	258.	81.	LOW	78.	82.	280.
14 3 18	-40.40	.39	.16	1.29	-.1	-12.38	121.	239.	85.	LOW	82.	74.	283.
14 3 23	-40.00	.27	.16	1.39	-.1	-12.26	119.	266.	82.	LOW	81.	80.	279.
14 3 33	-40.00	.55	.20	1.66	-.1	-12.29	122.	141.	80.	LOW	74.	85.	276.
14 3 38	-40.00	.20	.18	1.81	-.1	-12.27	121.	119.	78.	LOW	76.	83.	279.
14 3 43	-40.00	.31	.04	2.25	0.0	-12.11	120.	97.	78.	LOW	81.	87.	275.
14 3 43	-40.00	.35	.14	2.47	-.1	-12.21	121.	97.	79.	LOW	78.	85.	272.
14 43 48	-40.00	.23	0.00	3.00	.1	-12.11	121.	98.	82.	LOW	79.	84.	282.
14 3 53	-40.00	.31	.18	3.46	.1	-12.26	122.	97.	81.	LOW	79.	83.	277.
14 43 58	-40.00	.04	.16	3.95	-.0	-12.38	123.	95.	82.	LOW	80.	86.	266.
14 4 3	-40.00	-.16	.23	3.97	-.3	-12.36	121.	95.	81.	LOW	81.	86.	267.
14 4 8	-40.00	-.39	.04	4.00	.1	-12.21	116.	93.	74.	LOW	78.	77.	277.
14 4 14	-40.00	-.35	.12	3.98	.1	-12.23	116.	94.	74.	LOW	76.	77.	277.
14 4 19	-40.00	-.43	.20	4.00	.3	-12.23	116.	95.	66.	LOW	80.	82.	277.
14 4 24	-40.00	-.31	.10	3.91	-.3	-12.24	115.	94.	69.	LOW	81.	84.	279.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX MSUB NLET	EC 57 PRESS RAM AR PRIMRY HX MSUB NLET	EC 58 PRESS RAM AR PRIMRY HX MSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
14 4 29	-40.00	.43	.12	3.92	-.1	-12.23	117.	91.	72.	LOW	77.	74.	268.
14 4 34	-40.00	.23	.08	3.90	.1	-12.17	118.	93.	73.	LOW	82.	83.	271.
14 4 39	-40.00	0.00	.27	3.90	.2	-12.43	117.	96.	71.	LOW	79.	80.	260.
14 4 44	-40.00	-.16	.22	3.89	.2	-12.32	117.	96.	72.	LOW	81.	84.	262.
14 4 49	-40.00	.16	-.12	3.94	-.7	-12.11	117.	93.	71.	LOW	81.	89.	275.
14 4 54	-40.00	.08	-.10	3.93	-.3	-12.07	117.	94.	71.	LOW	80.	85.	267.
14 4 59	-40.00	-.08	.20	3.97	-.1	-12.17	120.	97.	69.	LOW	81.	84.	272.
14 5 4	-40.00	-.14	.25	3.88	.1	-12.26	123.	97.	73.	LOW	82.	84.	266.
14 5 9	-40.00	-.23	.20	3.94	.1	-12.38	123.	99.	72.	LOW	82.	84.	255.
14 5 14	-40.00	-.23	.29	3.85	-.1	-12.27	122.	97.	71.	LOW	82.	87.	257.
14 5 19	-40.00	-.27	.04	3.92	.2	-12.02	119.	95.	65.	LOW	74.	81.	266.
14 5 24	-40.00	-.23	.02	3.88	.1	-12.07	120.	97.	68.	LOW	77.	79.	260.
14 5 29	-40.00	.04	.12	3.86	-.0	-12.11	120.	97.	63.	LOW	82.	84.	259.
14 5 34	-40.00	.02	.14	3.84	-.3	-12.26	123.	96.	68.	LOW	81.	86.	261.
14 5 39	-40.00	.12	.16	3.79	0.0	-12.70	125.	96.	72.	LOW	82.	84.	255.
14 5 44	-40.00	.16	.08	3.85	0.0	-12.35	123.	96.	69.	LOW	79.	80.	256.
14 5 49	-40.00	.16	.16	3.76	-.6	-12.35	121.	95.	73.	LOW	82.	81.	254.
14 5 54	-40.00	.12	.23	3.79	-.3	-12.29	119.	94.	72.	LOW	80.	82.	257.
14 5 59	-40.00	.31	.55	1.20	.3	-12.43	119.	93.	74.	LOW	79.	78.	268.
14 6 9	-40.00	.45	.45	.99	.1	-12.38	120.	93.	75.	LOW	79.	79.	265.
14 6 14	-40.00	.27	.35	.89	-.6	-12.35	117.	91.	76.	LOW	80.	86.	260.
14 6 19	-40.00	.43	.37	.88	-.2	-12.36	116.	91.	78.	LOW	80.	85.	262.
14 6 19	-40.00	.28	.31	.87	-.0	-12.26	122.	94.	77.	LOW	79.	84.	268.
14 6 24	-40.00	.18	.31	.87	.1	-12.29	124.	92.	77.	LOW	78.	82.	261.
14 16 29	-40.00	.55	.43	.88	-.1	-12.20	127.	95.	78.	LOW	77.	84.	261.
14 14 36	-40.00	.02	.37	.84	-.1	-12.40	131.	97.	79.	LOW	78.	82.	269.
14 14 41	-40.00	-.55	.28	.84	.1	-12.29	133.	99.	78.	LOW	80.	82.	268.
14 14 46	-40.00	-.37	.08	.84	.0	-12.26	135.	99.	81.	LOW	80.	82.	278.
14 14 51	-40.00	-.66	0.00	.78	-.2	-12.11	137.	98.	81.	LOW	77.	79.	277.
14 15 1	-40.00	-.41	0.00	.81	-.1	-12.11	137.	98.	82.	LOW	79.	80.	271.
14 15 6	-40.00	-.59	.51	.81	.2	-12.40	136.	97.	79.	LOW	82.	89.	280.
14 15 11	-40.00	-.53	.33	.83	.1	-12.26	135.	98.	80.	LOW	82.	88.	282.
14 15 11	-40.00	-.20	.08	.83	-.0	-12.11	138.	101.	83.	LOW	83.	88.	272.
14 15 16	-40.00	-.22	.18	.82	.1	-12.16	136.	100.	83.	LOW	81.	83.	270.
14 15 21	-40.00	-.23	.12	.84	0.0	-12.14	134.	101.	82.	LOW	82.	84.	288.
14 15 26	-40.00	-.37	.27	.82	.1	-12.30	135.	100.	82.	LOW	80.	82.	270.
14 15 31	-40.00	-.60	.31	.80	-.4	-12.46	136.	97.	82.	LOW	79.	81.	275.
14 15 36	-40.00	-.57	.27	.81	-.1	-12.36	136.	98.	81.	LOW	80.	81.	277.
14 15 42	-40.00	-.27	.31	.83	0.0	-12.38	136.	96.	84.	LOW	79.	80.	279.
14 15 47	-40.00	-.29	.37	.82	.1	-12.36	134.	97.	84.	LOW	80.	82.	276.
14 15 52	-40.00	-.43	.31	.79	.1	-12.43	136.	98.	87.	LOW	82.	85.	271.
14 17 19	-40.00	-.22	.25	.82	.1	-12.29	136.	97.	85.	LOW	82.	85.	271.
14 17 24	-40.00	-.31	.31	.83	.0	-12.46	133.	95.	82.	LOW	81.	88.	286.
14 17 29	-40.00	-.53	.22	.88	-.1	-12.62	132.	131.	80.	LOW	82.	85.	282.
14 17 34	-40.00	-.31	.04	.86	-.3	-12.40	134.	95.	84.	LOW	81.	79.	284.
14 17 39	-40.00	-.33	.14	.88	-.1	-12.55	135.	247.	83.	LOW	81.	81.	278.
14 17 44	-40.00	-.23	.08	.86	-.2	-12.43	133.	99.	79.	LOW	82.	85.	275.
14 17 54	-40.00	-.45	.22	.86	-.1	-12.55	132.	92.	77.	LOW	81.	84.	279.
14 17 59	-40.00	-.23	.12	.91	0.0	-12.17	128.	98.	83.	LOW	84.	82.	286.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
14 18 4	-40.00	-.23	.28	.89	-.8	-12.27	131.	99.	81.	LOW	83.	83.	281.
14 18 4	-40.00	-.66	0.00	.86	0.0	-12.20	133.	99.	79.	LOW	82.	85.	277.
14 18 9	-40.00	-.41	.14	.86	.0	-12.26	133.	96.	80.	LCW	80.	82.	288.
14 18 14	-40.00	-.27	.04	.85	0.0	-12.30	132.	100.	84.	LOW	82.	86.	283.
14 18 19	-40.00	-.39	.06	.87	-.1	-12.30	131.	99.	83.	LOW	81.	84.	283.
14 32 7	-40.00	-.31	.12	-.00	-.1	-12.35	136.	116.	80.	LOW	82.	84.	294.
14 32 13	-40.00	-.23	.22	-.00	-.0	-12.42	134.	*000000.	86.	LOW	82.	36.	289.
14 32 18	-40.00	-.27	.12	-.12	-.1	-12.55	128.	27.	82.	LCW	82.	88.	285.
14 32 23	-40.00	-.27	.14	-.14	-.0	-12.49	127.	67.	83.	LCW	82.	87.	285.
14 32 28	-40.00	-.55	.31	-.05	-.2	-12.58	124.	101.	84.	LCW	84.	86.	286.
14 32 33	-40.00	-.49	.22	-.09	-.2	-12.60	122.	97.	84.	LOW	81.	85.	286.
14 32 39	-40.00	-.39	0.00	-.12	-.2	-12.43	119.	648.	83.	LOW	84.	86.	286.
14 32 44	-40.00	-.45	.28	-.14	-.1	-12.55	117.	459.	84.	LOW	83.	85.	285.
14 32 49	-40.00	-.23	.08	-.16	0.0	-12.32	110.	145.	80.	LCW	83.	86.	285.
14 32 54	-40.00	-.43	.27	-.14	-.1	-12.55	112.	143.	77.	LOW	82.	86.	284.
14 32 59	-40.00	-.39	.31	-.16	0.0	-12.46	111.	125.	82.	LOW	82.	86.	283.
14 33 4	-40.00	-.53	.31	-.13	-.2	-12.78	111.	101.	83.	LOW	82.	86.	282.
14 33 9	-40.00	-.23	.04	-.13	-.1	-12.43	108.	107.	84.	LCW	82.	86.	288.
14 33 14	-40.00	-.14	.08	-.14	-.1	-12.42	108.	108.	84.	LOW	83.	87.	288.

C COMMUTATOR

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
0 8													
13 1 1	84.	84.	170.	85.	88.	-16.	6.8	86.8	54.	92.	5.	.06	0.
13 1 12	84.	83.	171.	85.	85.	-24.	6.8	87.0	42.	92.	-5.	.85	1.
13 1 17	82.	84.	172.	85.	87.	-23.	5.9	88.3	34.	93.	10.	.53	-0.
13 1 22	84.	83.	171.	86.	86.	-20.	6.1	87.7	44.	93.	7.	.34	1.
13 1 27	80.	82.	171.	84.	85.	-16.	6.8	87.2	64.	91.	15.	.12	3.
13 1 32	77.	82.	171.	85.	85.	-40.	6.4	87.4	49.	92.	20.	.11	2.
13 1 32	84.	82.	172.	84.	84.	-18.	6.8	87.5	20.	92.	10.	.12	1.
13 1 38	83.	82.	171.	85.	82.	-18.	6.4	87.9	34.	92.	22.	.12	1.
13 41 48	82.	82.	170.	85.	85.	-23.	5.9	86.8	15.	92.	15.	.07	4.
13 1 53	82.	82.	171.	84.	85.	-20.	5.6	86.8	32.	92.	15.	.07	3.
13 41 58	82.	83.	171.	85.	84.	-20.	7.3	87.0	49.	93.	10.	.12	1.
13 41 58	82.	82.	510.	86.	86.	-20.	7.1	87.0	46.	93.	18.	.11	0.
13 2 3	82.	74.	188.	85.	82.	-33.	7.8	87.1	54.	92.	15.	-.01	2.
13 42 8	83.	79.	178.	85.	78.	-25.	5.6	87.0	42.	92.	10.	.04	-2.
13 2 13	82.	82.	196.	86.	87.	-18.	6.8	87.5	44.	92.	18.	.19	-3.
13 2 18	82.	82.	199.	86.	85.	-21.	6.4	88.2	34.	92.	18.	.18	-2.
13 2 23	82.	75.	636.	85.	88.	-18.	5.4	87.2	29.	92.	15.	.07	1.
13 4 6	83.	78.	742.	85.	82.	-21.	6.1	87.2	32.	92.	7.	.08	0.
13 4 11	83.	82.	848.	86.	85.	-2.	6.8	87.7	29.	92.	-5.	.13	0.
13 4 11	83.	82.	848.	85.	86.	1.	7.1	87.5	27.	92.	27.	.12	1.
13 4 16	82.	80.	848.	86.	89.	8.	7.8	87.2	34.	91.	39.	.16	0.
13 4 21	83.	82.	848.	85.	89.	6.	6.8	87.5	34.	91.	27.	.13	1.
13 4 26	82.	82.	848.	84.	87.	6.	5.9	87.7	20.	92.	15.	.44	1.
13 4 31	84.	82.	848.	85.	87.	3.	4.6	87.9	34.	92.	7.	.28	1.
13 4 44	83.	81.	848.	84.	90.	6.	6.8	84.9	39.	84.	8.	.87	-1.
13 4 42	82.	81.	848.	84.	90.	6.	7.1	74.3	34.	71.	-18.	.87	-1.
13 4 47	83.	83.	848.	90.	87.	6.	5.9	77.1	44.	81.	-44.	.22	1.
13 4 52	84.	83.	848.	87.	87.	5.	5.6	76.6	34.	81.	-27.	.18	1.
13 4 65	82.	82.	848.	85.	89.	4.	7.3	74.9	39.	82.	-20.	.86	0.
13 5 2	81.	83.	848.	84.	87.	3.	5.4	76.8	39.	81.	-15.	.11	0.
13 5 7	84.	83.	848.	84.	85.	2.	6.4	77.6	39.	81.	-24.	.19	-0.
13 5 12	86.	84.	848.	84.	85.	3.	6.1	76.9	29.	81.	-29.	.15	0.
13 5 17	82.	82.	848.	85.	85.	2.	5.9	78.0	44.	81.	-10.	.21	3.
13 5 22	83.	82.	848.	82.	87.	4.	6.8	77.8	34.	82.	-2.	.12	1.
13 5 27	84.	82.	848.	85.	85.	4.	6.4	78.6	34.	83.	0.	.48	1.
13 5 32	85.	80.	848.	85.	85.	4.	6.4	77.3	32.	82.	0.	.33	1.
13 5 37	83.	82.	848.	84.	85.	6.	5.9	77.4	29.	83.	8.	.28	1.
13 5 42	83.	81.	848.	84.	86.	6.	6.4	71.0	22.	83.	5.	.25	1.
13 5 47	85.	84.	848.	84.	86.	2.	5.9	63.9	5.	83.	-44.	.06	0.
13 5 52	84.	83.	848.	85.	86.	4.	6.6	64.2	15.	83.	-24.	.08	0.
13 5 57	84.	82.	848.	84.	88.	2.	6.8	64.5	10.	84.	10.	.22	3.
13 6 7	83.	83.	848.	83.	87.	3.	6.4	64.6	7.	84.	2.	.10	2.
13 6 7	84.	85.	848.	84.	86.	8.	6.8	65.7	10.	84.	0.	.84	0.
13 6 12	83.	83.	848.	84.	87.	9.	7.3	65.4	2.	84.	0.	.12	0.
13 5 17	82.	80.	848.	79.	84.	8.	6.8	65.8	34.	84.	-10.	.16	0.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EG 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
13 6 22	82.	77.	848.	82.	84.	7.	6.4	65.8	37.	84.	-7.	.15	0.
13 6 27	83.	88.	848.	84.	88.	0.	7.3	66.7	-10.	84.	0.	.21	0.
13 6 37	84.	85.	848.	84.	88.	3.	7.1	66.3	7.	84.	-24.	.21	0.
13 6 42	84.	82.	848.	84.	84.	4.	6.8	66.3	28.	85.	18.	.22	2.
13 6 47	83.	82.	848.	85.	85.	7.	6.6	66.1	27.	85.	18.	.17	2.
13 6 47	82.	80.	848.	85.	82.	10.	6.4	65.1	0.	84.	0.	.01	-5.
13 6 52	82.	80.	848.	85.	83.	9.	6.1	65.7	27.	85.	0.	.07	1.
13 6 57	81.	79.	848.	78.	84.	6.	5.4	66.6	24.	84.	0.	.16	-0.
13 7 2	81.	81.	848.	76.	79.	5.	7.1	66.6	22.	84.	0.	.16	0.
13 7 7	82.	79.	848.	85.	82.	10.	5.4	67.2	15.	84.	0.	.37	1.
13 7 12	82.	79.	848.	85.	83.	7.	4.4	67.8	10.	85.	-7.	.20	1.
13 7 18	83.	80.	848.	85.	83.	4.	4.9	65.8	15.	85.	-10.	.41	1.
13 7 23	82.	80.	848.	85.	82.	4.	5.4	66.3	20.	85.	-5.	.23	1.
13 7 28	84.	82.	848.	79.	84.	-2.	7.8	67.4	24.	85.	5.	.28	1.
13 7 33	83.	82.	848.	82.	83.	4.	7.6	67.5	24.	85.	0.	.17	1.
13 7 38	83.	82.	848.	82.	82.	2.	6.4	66.9	112.	85.	34.	.09	1.
13 7 43	84.	80.	848.	83.	83.	233.	5.9	65.5	1503.	84.	1498.	.07	2.
13 7 48	99.	81.	848.	84.	82.	1079.	5.4	67.2	2947.	83.	2854.	.09	13.
13 7 53	103.	81.	848.	84.	85.	1090.	6.4	66.3	2981.	84.	2938.	.15	17.
13 7 58	113.	83.	848.	84.	82.	1099.	7.8	66.3	2986.	84.	2869.	-.01	23.
13 8 3	114.	83.	848.	84.	85.	1105.	5.9	66.0	3006.	84.	2962.	.13	28.
13 48 8	124.	84.	848.	84.	85.	1103.	7.3	66.7	2669.	85.	2933.	.16	47.
13 8 13	127.	88.	848.	84.	85.	1109.	8.1	66.9	3067.	85.	3006.	.07	51.
13 8 18	124.	90.	848.	86.	88.	1112.	4.9	67.2	3079.	84.	2962.	.21	56.
13 8 23	119.	87.	848.	86.	81.	1109.	5.4	68.3	2984.	85.	2989.	.21	54.
13 8 28	108.	83.	848.	86.	78.	1114.	-.5	67.9	2977.	84.	2957.	.16	56.
13 8 33	107.	78.	848.	85.	82.	1114.	3.4	66.6	2984.	84.	2955.	.21	56.
13 8 43	100.	84.	848.	84.	90.	1116.	9.3	63.2	2889.	84.	2923.	.22	56.
13 8 43	103.	84.	848.	85.	90.	1113.	9.0	64.7	2945.	85.	2947.	.14	56.
13 48 48	103.	86.	848.	79.	87.	1118.	11.7	67.9	3069.	85.	2981.	.19	52.
13 8 53	101.	89.	848.	83.	87.	1112.	9.8	67.7	3067.	85.	2981.	.14	54.
13 8 58	101.	89.	848.	88.	89.	1112.	7.8	67.6	3094.	85.	3001.	.09	58.
13 9 3	96.	84.	827.	84.	90.	1110.	6.8	67.1	3040.	85.	2989.	.10	58.
13 9 13	99.	90.	848.	87.	96.	1116.	5.9	66.9	3030.	84.	2977.	.06	58.
13 9 18	97.	90.	848.	86.	87.	1114.	6.8	66.8	3040.	85.	2959.	.02	57.
13 9 23	101.	92.	848.	90.	92.	1112.	9.3	67.2	3025.	85.	2981.	.15	54.
13 9 28	100.	97.	848.	92.	91.	1116.	10.3	67.2	3018.	86.	3006.	.18	55.
13 9 28	95.	86.	848.	82.	92.	1107.	8.3	66.8	3001.	84.	2933.	.09	53.
13 9 33	97.	93.	848.	89.	92.	1111.	7.3	66.9	3040.	84.	2957.	.04	54.
13 9 38	97.	105.	848.	84.	91.	1118.	8.3	65.8	2928.	84.	2918.	.01	57.
13 9 43	102.	101.	848.	88.	90.	1116.	6.1	66.8	2986.	85.	2984.	.13	53.
13 49 48	95.	93.	848.	86.	92.	1109.	7.8	66.6	2972.	86.	2952.	.16	57.
13 9 53	94.	89.	848.	82.	92.	1107.	6.6	67.4	2979.	86.	2984.	.14	56.
13 9 59	103.	106.	848.	93.	93.	1120.	6.8	69.5	2972.	86.	3055.	.18	54.
13 10 4	100.	103.	581.	92.	94.	1117.	7.3	68.6	2952.	85.	2984.	.11	55.
13 10 9	106.	106.	177.	93.	93.	1112.	5.9	67.0	3006.	85.	2991.	.10	56.
13 10 22	104.	107.	208.	93.	93.	1115.	5.4	67.3	3003.	86.	2979.	.20	55.
13 10 19	105.	101.	231.	89.	93.	1116.	9.3	68.5	2977.	86.	2967.	.43	55.
13 10 24	106.	104.	225.	90.	93.	1113.	7.8	68.9	3030.	86.	2942.	.29	56.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
08													
13 10 29	102.	108.	218.	92.	97.	1114.	5.4	66.9	2928.	86.	2991.	.18	59.
13 10 34	101.	107.	215.	90.	96.	1110.	7.6	67.4	2933.	85.	3043.	.14	57.
13 10 39	107.	106.	228.	84.	90.	1110.	6.8	67.7	2991.	87.	2933.	.04	56.
13 10 44	104.	102.	243.	84.	87.	1112.	6.4	68.3	2962.	87.	2935.	.11	56.
13 10 49	105.	113.	231.	94.	93.	1116.	10.3	69.4	3035.	86.	2967.	.15	54.
13 10 54	104.	106.	242.	90.	94.	1113.	9.0	68.6	3008.	86.	2959.	.15	55.
13 11 43	104.	110.	198.	74.	98.	1103.	6.8	68.3	2986.	87.	3006.	.81	56.
13 51 48	108.	113.	199.	80.	99.	1108.	8.3	68.4	3025.	87.	2996.	.09	56.
13 51 58	105.	112.	198.	82.	93.	1101.	10.8	68.9	3006.	88.	2991.	.45	56.
13 12 3	108.	114.	197.	83.	94.	1104.	9.8	69.6	3025.	87.	3013.	.10	54.
13 12 3	116.	117.	196.	88.	93.	1107.	9.3	69.4	3148.	85.	2923.	.29	56.
13 52 8	117.	119.	197.	90.	91.	1110.	6.6	69.7	3033.	87.	2981.	-.01	56.
13 12 13	106.	107.	202.	80.	88.	1118.	17.1	70.5	3189.	87.	2972.	0.00	55.
13 12 18	112.	117.	204.	88.	88.	1113.	10.5	70.5	3011.	87.	3011.	-.14	56.
13 12 28	115.	121.	208.	89.	91.	1107.	13.7	70.4	3128.	85.	2991.	.41	54.
13 12 33	111.	115.	205.	82.	92.	1110.	13.9	70.5	3091.	87.	2967.	.26	54.
13 12 38	117.	116.	202.	84.	90.	1110.	8.3	69.1	2947.	86.	3182.	.01	56.
13 12 38	114.	111.	222.	84.	91.	1103.	10.3	70.2	3025.	87.	3072.	.86	57.
13 12 43	124.	123.	231.	90.	85.	1109.	4.9	70.4	2952.	89.	3074.	.86	56.
13 52 48	121.	122.	226.	83.	88.	1104.	6.1	71.6	3013.	87.	3003.	.23	57.
13 12 53	112.	111.	236.	84.	90.	1101.	12.7	70.4	2901.	87.	3045.	0.00	60.
13 12 58	112.	110.	230.	83.	90.	1100.	9.3	69.6	2859.	87.	3072.	-.01	58.
13 13 3	123.	123.	218.	99.	87.	1107.	7.3	70.6	3050.	87.	2889.	.07	58.
13 13 9	123.	120.	219.	95.	86.	1104.	7.1	70.5	2991.	88.	2928.	.82	56.
13 13 14	125.	129.	213.	100.	87.	1103.	9.8	70.8	2952.	88.	3011.	-.25	58.
13 13 19	124.	124.	211.	93.	87.	1098.	8.8	71.2	2999.	88.	2972.	-.10	58.
13 13 24	121.	109.	223.	82.	90.	1095.	9.8	72.7	3086.	89.	2923.	.34	58.
13 13 29	121.	111.	222.	85.	90.	1097.	7.6	72.4	2979.	88.	2911.	.31	57.
13 13 34	132.	114.	217.	83.	89.	1101.	6.8	73.0	2937.	88.	2898.	.26	57.
13 13 39	129.	112.	237.	82.	89.	1101.	7.1	72.7	2952.	87.	2918.	.08	55.
13 13 44	130.	123.	235.	87.	92.	1109.	2.9	71.8	2962.	90.	2996.	.13	55.
13 13 49	132.	124.	239.	91.	89.	1108.	2.9	71.6	3062.	86.	2994.	.27	55.
13 13 54	134.	129.	248.	101.	86.	1105.	7.8	71.3	2942.	88.	3065.	-.18	58.
13 13 59	132.	125.	229.	94.	89.	1104.	7.8	71.1	2915.	87.	3199.	-.04	53.
13 14 4	126.	114.	207.	90.	93.	1091.	7.8	71.6	3162.	86.	2996.	.16	56.
13 14 9	127.	112.	205.	86.	92.	1093.	3.7	71.8	3148.	87.	2979.	.07	58.
13 14 14	133.	116.	207.	90.	91.	1107.	2.9	72.1	2854.	88.	3104.	-.22	60.
13 14 19	136.	124.	209.	93.	90.	1109.	3.9	71.6	2911.	89.	3074.	-.12	58.
13 14 24	141.	128.	207.	93.	88.	1110.	7.8	72.1	2962.	89.	2893.	.20	57.
13 14 34	141.	132.	206.	96.	89.	1109.	6.4	72.4	2925.	88.	3013.	.15	56.
13 14 34	132.	116.	204.	86.	84.	1103.	10.8	71.0	3025.	87.	2981.	.13	56.
13 14 39	137.	124.	208.	92.	87.	1105.	10.3	71.8	3184.	88.	2969.	.29	56.
13 14 44	134.	121.	208.	94.	88.	1099.	14.2	71.4	3050.	91.	3035.	.26	56.
13 14 49	136.	126.	206.	92.	89.	1103.	10.8	72.1	3089.	90.	2981.	-.07	56.
13 14 54	145.	129.	214.	100.	86.	1101.	1.5	72.1	2962.	89.	2972.	-.18	46.
13 15 4	141.	125.	216.	100.	85.	1101.	5.4	72.1	2836.	88.	3025.	-.07	52.
13 15 9	132.	116.	209.	89.	90.	1099.	9.3	71.7	2874.	87.	2913.	.03	59.
13 15 14	136.	116.	209.	86.	90.	1099.	8.3	71.8	2871.	87.	3043.	.18	58.
13 15 19	144.	124.	203.	91.	89.	1101.	5.9	71.6	2952.	87.	2923.	.09	52.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD /ORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
13 15 19	140.	122.	202.	93.	89.	1090.	8.3	71.6	2881.	88.	3011.	.16	55.
13 15 24	142.	127.	219.	101.	90.	1107.	5.9	71.1	2972.	86.	2923.	.06	58.
13 15 29	143.	124.	212.	92.	91.	1107.	4.6	71.3	2942.	87.	3035.	0.00	59.
13 15 34	139.	117.	198.	95.	87.	1099.	3.9	70.2	2933.	89.	2913.	.12	54.
13 15 39	140.	115.	189.	89.	89.	1100.	5.6	71.8	2950.	88.	2906.	.06	57.
13 15 44	141.	111.	189.	84.	94.	1095.	8.8	73.2	2962.	88.	3006.	-.01	58.
13 15 50	140.	112.	198.	86.	95.	1094.	8.8	73.1	2991.	88.	3003.	.12	59.
13 15 55	146.	121.	191.	82.	95.	1097.	4.4	72.6	2933.	89.	3099.	-.06	58.
13 16 0	146.	118.	192.	81.	95.	1079.	6.1	72.7	3043.	90.	3089.	.06	56.
13 16 5	147.	123.	191.	84.	96.	1137.	6.8	73.8	3038.	85.	2986.	.51	60.
13 16 10	141.	125.	191.	90.	93.	1105.	6.8	72.7	2974.	87.	3025.	.33	60.
13 16 15	149.	132.	189.	89.	95.	1110.	-.5	72.6	3050.	90.	2986.	-.16	57.
13 16 20	149.	132.	190.	92.	94.	1109.	1.8	72.7	2930.	88.	3082.	-.08	58.
13 16 25	143.	123.	219.	84.	95.	1039.	7.3	73.0	3162.	85.	2952.	.18	59.
13 16 30	148.	125.	206.	85.	95.	1101.	7.6	73.5	3021.	85.	2986.	.14	61.
13 16 35	147.	121.	185.	91.	88.	1097.	9.8	72.4	3189.	90.	2933.	.40	58.
13 16 40	144.	119.	186.	90.	90.	1096.	7.8	72.1	3045.	88.	2891.	.29	58.
13 16 53	149.	132.	189.	99.	89.	1107.	7.3	71.6	2869.	88.	3157.	.06	61.
13 15 58	149.	126.	188.	90.	91.	1103.	7.3	71.3	2896.	89.	3038.	.40	60.
13 56 55	147.	116.	187.	78.	94.	1099.	11.2	71.8	3060.	85.	2918.	-.23	61.
13 17 0	145.	120.	187.	81.	93.	1106.	8.3	72.4	3038.	89.	2911.	-.15	60.
13 17 10	152.	137.	188.	95.	90.	1093.	6.8	71.4	2983.	88.	2962.	.34	54.
13 17 10	150.	129.	187.	91.	90.	1098.	6.4	71.8	2981.	85.	2974.	.32	55.
13 17 15	156.	133.	187.	84.	91.	1107.	8.3	74.2	3162.	88.	2928.	0.00	62.
13 17 20	154.	128.	187.	82.	91.	1104.	7.1	74.3	3062.	90.	2972.	-.18	61.
13 17 25	151.	123.	182.	78.	92.	1099.	8.8	73.9	3016.	91.	3081.	.16	59.
13 17 30	149.	119.	188.	81.	91.	1100.	7.6	73.6	2952.	89.	3158.	0.00	58.
13 17 40	150.	120.	183.	81.	90.	1107.	9.3	73.2	3107.	85.	2972.	-.25	58.
13 17 45	153.	125.	182.	83.	90.	1109.	6.6	73.2	3077.	89.	3074.	-.18	58.
13 17 50	147.	117.	182.	83.	90.	1093.	6.4	73.3	2849.	87.	3167.	.07	60.
13 17 55	149.	117.	182.	81.	89.	1096.	6.6	73.8	3013.	87.	3096.	-.05	59.
13 17 55	160.	132.	185.	88.	90.	1109.	4.9	72.1	3104.	88.	2903.	.47	56.
13 18 0	156.	130.	181.	91.	90.	1106.	5.1	72.2	3083.	89.	3055.	.23	58.
13 18 5	154.	130.	186.	94.	88.	1107.	12.7	74.8	3079.	90.	2972.	-.21	60.
13 18 10	156.	130.	184.	92.	89.	1104.	10.3	74.8	3130.	89.	2986.	-.10	61.
13 18 15	150.	110.	184.	76.	94.	1103.	13.2	73.9	3143.	89.	2952.	-.51	56.
13 18 20	149.	113.	185.	79.	94.	1107.	10.5	72.1	3133.	88.	2981.	-.15	57.
13 18 26	156.	134.	183.	95.	86.	1101.	4.9	74.8	2947.	85.	2913.	.45	60.
13 18 31	151.	131.	182.	90.	90.	1105.	7.1	74.0	2981.	90.	3001.	.28	59.
13 18 36	158.	135.	181.	93.	91.	1109.	7.3	73.8	3294.	91.	2952.	-.23	57.
13 18 41	158.	135.	181.	93.	90.	1109.	7.1	73.3	3209.	85.	2977.	-.07	58.
13 18 46	153.	127.	183.	82.	93.	1105.	7.8	73.5	3001.	86.	2967.	.16	61.
13 18 51	151.	124.	182.	85.	91.	1105.	10.3	74.1	3099.	86.	2969.	.07	59.
13 18 56	158.	134.	181.	93.	91.	1101.	6.8	73.2	3133.	87.	2962.	.45	60.
13 19 1	160.	135.	180.	90.	90.	1097.	10.8	73.6	3150.	87.	2955.	.34	59.
13 19 6	157.	123.	182.	89.	86.	1103.	7.8	73.9	2952.	90.	2933.	.51	59.
13 19 11	160.	127.	182.	92.	88.	1105.	6.6	73.6	3040.	88.	2967.	.14	60.
13 19 16	160.	131.	186.	91.	86.	1097.	7.8	73.9	2879.	87.	3059.	-.22	56.
13 19 21	167.	130.	180.	86.	87.	1104.	8.3	73.6	2923.	88.	3079.	.03	57.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 57 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
13 22 24	165.	127.	183.	88.	95.	1103.	4.9	72.1	3084.	89.	2898.	0.00	56.
13 22 29	166.	135.	190.	86.	100.	1109.	5.9	67.5	2986.	89.	2896.	.07	54.
13 22 34	154.	127.	198.	80.	102.	1103.	9.3	75.7	3025.	89.	3055.	.06	51.
13 22 34	159.	133.	196.	88.	100.	1109.	8.6	73.8	3043.	89.	2999.	.07	53.
13 22 39	156.	128.	200.	82.	97.	1112.	12.7	73.3	2996.	90.	2986.	.12	57.
13 22 44	157.	131.	197.	83.	96.	1110.	8.1	72.8	3008.	90.	2898.	.06	56.
13 22 49	161.	135.	196.	78.	98.	1110.	4.9	74.2	2913.	88.	2933.	.15	51.
13 22 54	160.	134.	197.	78.	98.	1111.	6.1	74.7	2969.	89.	2991.	.09	49.
13 22 59	158.	134.	194.	85.	93.	1107.	9.3	75.5	2952.	89.	3006.	-.03	54.
13 23 4	160.	139.	196.	88.	91.	1111.	9.5	74.5	2979.	89.	2996.	-.01	54.
13 23 10	161.	139.	196.	92.	94.	1116.	7.3	63.3	2988.	89.	2962.	.16	53.
13 23 15	161.	133.	195.	83.	94.	1115.	9.0	63.8	2942.	88.	2986.	.18	54.
13 23 20	162.	134.	200.	75.	111.	1112.	9.3	73.2	3001.	89.	3045.	.16	55.
13 23 25	161.	139.	202.	81.	113.	1112.	10.0	74.0	3023.	89.	3067.	.14	55.
13 23 30	160.	133.	198.	84.	114.	1110.	7.3	76.0	2981.	89.	2967.	.03	55.
13 23 35	164.	137.	200.	83.	108.	1114.	7.1	75.4	2984.	90.	2999.	.09	55.
13 23 40	163.	134.	207.	74.	99.	1112.	7.3	75.1	3060.	89.	3001.	.04	52.
13 23 45	163.	137.	201.	81.	98.	1113.	8.1	74.6	3018.	89.	2977.	.07	52.
13 23 50	169.	144.	194.	88.	93.	1109.	5.4	73.3	2928.	87.	2913.	.04	54.
13 23 55	163.	139.	196.	85.	94.	1109.	8.1	74.1	2959.	88.	2950.	.04	50.
13 24 0	167.	144.	199.	88.	95.	1118.	6.4	73.6	3016.	90.	3040.	.06	53.
13 24 5	165.	142.	199.	87.	93.	1117.	7.1	73.5	2989.	90.	2969.	.10	54.
13 24 10	170.	145.	195.	88.	92.	1118.	9.3	74.8	3016.	89.	3030.	-.01	54.
13 24 15	167.	146.	201.	89.	93.	1113.	10.8	74.9	2994.	89.	2967.	.04	54.
13 24 20	169.	147.	199.	87.	92.	1093.	6.8	74.8	2977.	90.	2913.	.09	55.
13 24 25	169.	146.	200.	89.	92.	1104.	6.4	73.7	2989.	91.	2969.	.03	54.
13 24 30	163.	135.	189.	74.	93.	1118.	9.8	75.1	2952.	89.	3021.	.07	50.
13 24 35	160.	137.	191.	81.	92.	1113.	8.6	74.6	2977.	89.	3011.	.08	53.
13 24 40	170.	14[illegible]	195.	88.	87.	1109.	9.8	74.6	2928.	89.	2908.	0.00	53.
13 24 58	167.	146.	194.	91.	90.	1109.	8.1	73.8	3003.	89.	2964.	-.01	53.
13 24 55	162.	134.	200.	76.	93.	1109.	7.8	73.3	3001.	90.	3055.	.16	52.
13 25 0	164.	135.	200.	77.	94.	1107.	5.6	73.5	3008.	90.	3033.	.15	53.
13 25 5	160.	136.	191.	88.	94.	1116.	9.8	75.2	3006.	89.	3050.	.03	52.
13 25 10	161.	135.	191.	85.	97.	1116.	9.8	74.7	3023.	89.	3003.	.04	55.
13 25 15	172.	150.	191.	89.	105.	1116.	6.8	73.6	3043.	89.	2947.	0.00	54.
13 25 23	168.	140.	191.	83.	109.	1109.	6.8	73.7	2986.	89.	2918.	.01	55.
13 25 28	164.	134.	192.	76.	118.	1118.	11.2	78.6	3065.	63.	2854.	.12	59.
13 25 25	167.	140.	193.	84.	117.	1118.	11.8	78.5	2989.	63.	2859.	.16	56.
13 25 30	169.	149.	193.	93.	116.	1128.	5.4	87.2	3050.	64.	2957.	.21	55.
13 25 35	165.	144.	193.	91.	117.	1116.	6.8	82.2	3055.	77.	2996.	.12	56.
13 25 40	163.	139.	193.	80.	124.	1116.	11.7	74.9	3025.	88.	2869.	.04	46.
13 25 46	166.	142.	192.	86.	121.	1089.	12.7	74.9	3003.	88.	2911.	.04	48.
13 25 51	169.	138.	194.	76.	121.	1124.	7.8	74.9	2972.	87.	2952.	.35	54.
13 25 56	168.	143.	193.	80.	122.	1121.	7.3	75.5	2981.	87.	3006.	.18	54.
13 26 1	167.	144.	178.	95.	120.	1112.	6.4	74.8	3065.	87.	2952.	.01	56.
13 26 6	167.	142.	184.	88.	120.	1112.	7.1	75.7	3025.	86.	2999.	.01	54.
13 26 11	164.	142.	191.	91.	122.	1109.	6.8	61.1	2962.	62.	2928.	-.03	54.
13 26 16	163.	140.	191.	84.	123.	1112.	7.1	61.7	2986.	62.	2906.	.05	54.
13 26 21	167.	145.	191.	97.	121.	1110.	7.3	62.6	3089.	64.	2884.	.15	54.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
08													
13 26 26	165.	139.	191.	86.	123.	1118.	8.6	83.1	2901.	84.	2869.	.15	54.
13 26 31	163.	129.	187.	82.	122.	1135.	3.9	74.3	3038.	89.	2869.	.12	56.
13 26 36	164.	138.	188.	84.	122.	1099.	6.6	73.8	2959.	89.	2886.	.86	55.
13 26 41	169.	151.	196.	89.	118.	1128.	8.8	75.1	2913.	86.	2933.	.88	54.
13 26 46	169.	158.	194.	91.	119.	1119.	7.3	75.4	2952.	87.	2950.	.86	53.
13 49 8	167.	156.	391.	95.	117.	1114.	8.3	76.1	3011.	83.	2942.	.47	50.
13 49 13	166.	151.	240.	88.	116.	1114.	8.6	77.9	3062.	83.	2918.	.46	53.
13 49 18	161.	138.	88.	68.	115.	1107.	9.3	79.3	3058.	83.	2957.	.62	52.
13 49 23	164.	148.	88.	80.	117.	1112.	8.3	77.5	3048.	83.	2947.	.76	52.
13 49 28	161.	151.	77.	86.	117.	1109.	6.4	79.0	3025.	83.	2937.	.68	56.
13 49 33	161.	145.	79.	82.	117.	1106.	5.9	76.8	3083.	83.	3011.	.56	57.
13 49 38	167.	157.	89.	86.	114.	1116.	6.8	77.7	2923.	84.	2977.	.58	58.
13 49 43	166.	154.	85.	91.	116.	1116.	7.1	75.8	2969.	84.	3001.	.58	56.
13 49 48	161.	141.	80.	82.	110.	1101.	8.8	71.8	2981.	84.	2967.	.54	54.
13 49 58	166.	150.	84.	88.	118.	1118.	8.8	73.5	2974.	84.	2977.	.58	55.
13 50 3	158.	143.	78.	82.	117.	1110.	8.3	74.3	3021.	81.	3089.	.56	52.
13 50 8	160.	140.	79.	81.	118.	1111.	9.8	74.6	3088.	82.	3099.	.56	52.
13 50 13	160.	143.	76.	79.	119.	1109.	8.3	79.2	2942.	83.	2874.	.65	55.
13 50 18	165.	148.	83.	82.	117.	1113.	8.3	76.2	2986.	82.	2918.	.62	54.
13 50 18	163.	143.	767.	76.	118.	1103.	7.8	76.4	3060.	83.	2933.	.51	43.
13 50 23	165.	148.	807.	78.	118.	1107.	7.3	78.8	3013.	83.	2937.	.52	49.
13 50 28	162.	142.	848.	78.	115.	1109.	7.3	74.8	2972.	84.	3099.	.54	55.
13 50 33	161.	143.	708.	79.	116.	1110.	8.8	77.1	2940.	83.	3006.	.49	58.
13 50 38	174.	159.	848.	93.	116.	1110.	9.3	73.2	3030.	84.	2986.	.48	56.
13 50 43	172.	157.	848.	91.	116.	1112.	7.8	74.6	3021.	84.	3003.	.42	57.
13 50 48	169.	151.	848.	82.	116.	1110.	8.8	79.6	3001.	81.	2952.	.91	52.
13 50 54	169.	155.	848.	84.	116.	1128.	9.3	77.9	2962.	82.	2942.	.76	53.
13 50 59	170.	156.	848.	91.	113.	1110.	-.5	78.4	2910.	84.	2983.	.56	54.
13 51 4	165.	149.	848.	86.	115.	1112.	4.6	79.8	2896.	83.	2911.	.50	53.
13 51 9	158.	141.	848.	81.	117.	1099.	8.8	78.4	3065.	82.	2849.	.45	59.
13 51 14	160.	144.	848.	82.	116.	1106.	8.1	78.4	3069.	82.	2886.	.51	56.
13 51 19	169.	161.	848.	84.	110.	1124.	7.8	75.2	3045.	82.	2996.	.65	58.
13 51 24	168.	158.	848.	85.	112.	1120.	6.4	77.3	3077.	82.	2964.	.63	55.
13 51 29	163.	144.	848.	86.	114.	1107.	18.8	74.8	3060.	83.	3016.	.40	54.
14 3 13	167.	151.	511.	86.	115.	1112.	9.3	74.7	3045.	82.	2947.	.37	54.
14 3 18	173.	154.	173.	84.	118.	1093.	8.3	74.9	2967.	82.	3050.	.35	54.
14 3 23	168.	151.	174.	88.	117.	1133.	3.9	75.8	2979.	83.	3008.	.29	55.
14 3 33	167.	146.	174.	76.	113.	1107.	8.8	77.3	3055.	82.	3050.	.51	56.
14 3 38	168.	150.	175.	77.	112.	1119.	8.8	76.2	3013.	81.	3101.	.35	54.
14 3 43	162.	131.	174.	79.	110.	1112.	7.8	73.9	2962.	83.	3089.	.76	55.
14 3 43	163.	149.	173.	78.	109.	1111.	8.1	74.8	3055.	83.	3047.	.53	56.
14 43 48	170.	156.	174.	88.	102.	1124.	7.8	74.9	3053.	82.	2988.	.72	57.
14 3 53	168.	155.	174.	87.	101.	1121.	13.8	74.6	3011.	88.	2991.	.35	59.
14 43 58	163.	139.	173.	76.	95.	1105.	13.2	75.8	3157.	81.	2923.	.58	55.
14 4 3	161.	141.	173.	77.	97.	1111.	15.2	76.8	3047.	79.	2933.	.37	51.
14 4 8	170.	161.	176.	97.	93.	1120.	12.7	74.9	3123.	88.	2885.	.29	55.
14 4 14	170.	156.	174.	92.	93.	1115.	9.8	75.7	3135.	81.	2818.	.45	57.
14 4 19	176.	154.	173.	91.	93.	1112.	9.3	77.1	3133.	81.	2828.	.85	57.
14 4 24	174.	150.	173.	91.	92.	1114.	14.9	77.1	3101.	82.	2815.	.38	57.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLO VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
14 4 29	166.	152.	174.	92.	92.	1110.	9.3	77.4	2874.	82.	2981.	1.33	63.
14 4 34	166.	151.	174.	89.	93.	1110.	10.8	77.7	2923.	80.	2984.	.88	54.
14 4 39	161.	134.	176.	84.	91.	1103.	15.6	79.8	3050.	82.	3133.	.13	63.
14 4 44	160.	135.	175.	84.	93.	1101.	15.6	78.6	2930.	82.	3072.	.36	58.
14 4 49	162.	152.	174.	87.	91.	1118.	15.6	77.0	3143.	82.	3236.	.25	58.
14 4 54	161.	147.	174.	86.	91.	1110.	17.8	77.6	3138.	82.	3025.	.42	58.
14 4 59	165.	143.	174.	79.	92.	1093.	16.6	76.1	2986.	80.	2766.	.57	62.
14 5 4	162.	140.	174.	83.	92.	1101.	14.2	76.1	2891.	80.	3040.	.63	62.
14 5 9	160.	138.	174.	84.	92.	1097.	26.4	76.1	3050.	80.	2727.	.19	67.
14 5 14	164.	137.	175.	86.	93.	1104.	2[illegible].3	75.5	3177.	80.	2884.	.32	62.
14 5 19	167.	141.	176.	94.	87.	1099.	11.2	75.4	3089.	82.	2805.	.44	58.
14 5 24	165.	139.	176.	96.	88.	1098.	15.4	75.4	3148.	82.	2649.	.14	57.
14 5 29	159.	128.	173.	95.	93.	1099.	17.1	76.2	3089.	82.	2752.	-.62	57.
14 5 39	164.	133.	174.	88.	92.	1100.	16.1	77.5	3152.	82.	2808.	-.25	59.
14 5 39	162.	130.	176.	90.	91.	1095.	11.7	77.9	3025.	82.	2742.	.66	58.
14 5 44	164.	129.	178.	92.	90.	1098.	16.6	76.9	3038.	82.	3011.	.62	56.
14 5 49	161.	126.	178.	95.	89.	1097.	19.6	76.7	3226.	80.	2786.	-.48	62.
14 5 54	165.	127.	178.	94.	89.	1096.	15.6	77.0	3096.	80.	2862.	-.41	59.
14 5 59	174.	139.	180.	93.	95.	1085.	5.9	80.6	2996.	80.	2810.	.56	57.
14 6 9	180.	143.	514.	97.	102.	1066.	4.4	79.3	3020.	81.	2898.	.37	57.
14 5 14	173.	129.	848.	90.	119.	1039.	6.4	80.6	3081.	81.	2972.	.16	55.
14 6 19	176.	129.	848.	90.	119.	1088.	3.9	80.0	3[illegible]08.	81.	2979.	.17	54.
14 6 19	170.	121.	848.	84.	117.	1083.	2.9	78.8	3086.	81.	3045.	.31	51.
14 6 24	175.	129.	848.	98.	115.	1087.	3.7	77.3	2972.	81.	3033.	.24	52.
14 16 29	174.	126.	848.	88.	115.	1083.	3.9	77.4	2923.	81.	3006.	.04	54.
14 14 36	171.	138.	511.	84.	123.	1096.	5.4	77.5	2986.	81.	2955.	.07	54.
14 14 41	176.	158.	174.	93.	132.	1114.	4.9	78.9	3016.	81.	2810.	.09	54.
14 14 46	175.	153.	173.	88.	132.	1116.	5.9	77.9	3030.	80.	2945.	.09	55.
14 14 51	173.	159.	159.	99.	132.	1120.	7.3	77.9	2942.	80.	2903.	.15	56.
14 15 1	172.	153.	171.	92.	133.	1117.	8.1	76.9	2977.	80.	2947.	.15	56.
14 15 6	176.	158.	173.	92.	133.	1114.	6.4	76.4	2986.	82.	3006.	.09	50.
14 15 11	177.	158.	173.	94.	132.	1116.	7.1	77.6	2967.	81.	2967.	.15	54.
14 15 11	166.	143.	172.	84.	138.	1107.	7.3	79.5	3060.	82.	2918.	-.01	53.
14 15 16	172.	150.	173.	88.	136.	1112.	5.1	76.9	3038.	81.	2969.	-.01	53.
14 15 21	174.	147.	167.	88.	133.	1109.	6.8	78.6	3094.	81.	2923.	.07	53.
14 15 26	173.	146.	170.	89.	134.	1108.	6.4	78.4	3006.	80.	2986.	.05	53.
14 15 31	173.	148.	174.	87.	135.	1110.	8.8	75.1	3045.	80.	3030.	.15	41.
14 15 36	174.	153.	173.	89.	134.	1112.	8.6	76.1	3047.	80.	3003.	.40	48.
14 15 42	177.	163.	173.	97.	133.	1114.	9.3	76.7	3050.	83.	3050.	.10	42.
14 15 47	174.	154.	173.	91.	132.	1111.	7.1	76.4	3052.	82.	3074.	.13	47.
14 15 52	167.	145.	167.	84.	135.	1112.	8.3	76.4	2937.	81.	3035.	.06	52.
14 17 19	169.	147.	171.	83.	135.	1112.	8.6	67.2	2940.	81.	3013.	.13	49.
14 17 24	176.	154.	174.	83.	132.	1118.	6.4	76.2	2996.	80.	2986.	.26	53.
14 17 29	173.	155.	175.	87.	134.	1117.	8.3	78.7	3001.	81.	3025.	.38	50.
14 17 34	178.	162.	174.	96.	132.	1114.	8.3	83.0	2986.	81.	2986.	.44	54.
14 17 39	175.	152.	172.	87.	133.	1113.	7.6	81.4	3023.	80.	3013.	.62	54.
14 17 44	171.	152.	174.	84.	133.	1116.	9[illegible]8	76.8	2947.	81.	3021.	.98	56.
14 17 54	174.	157.	174.	88.	132.	1119.	8.3	82.6	2959.	81.	3035.	.99	54.
14 17 59	178.	158.	174.	94.	127.	1116.	6.8	78.9	3099.	81.	3069.	.97	53.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
14 18 4	173.	156.	175.	92.	130.	1118.	9.8	60.1	2999.	81.	2986.	.95	51.
14 18 4	172.	154.	167.	86.	134.	1062.	9.8	78.0	3104.	81.	2849.	1.14	59.
14 18 9	174.	160.	171.	92.	133.	1092.	8.1	76.5	3038.	82.	2923.	.96	54.
14 18 14	178.	152.	174.	88.	133.	1114.	4.4	75.1	2991.	82.	3055.	.67	54.
14 18 19	179.	155.	174.	91.	130.	1119.	5.6	76.5	3025.	82.	3050.	.75	54.
14 32 7	181.	154.	174.	82.	139.	1103.	5.4	91.2	2933.	84.	3011.	.45	43.
14 32 13	180.	154.	171.	85.	135.	1104.	5.6	91.0	2911.	84.	2991.	.48	29.
14 32 18	183.	156.	170.	88.	126.	1065.	6.8	92.4	2874.	85.	2874.	.82	18.
14 32 23	185.	156.	172.	88.	125.	775.	7.3	94.5	2761.	86.	2881.	.66	5.
14 32 28	193.	151.	169.	89.	124.	14.	6.8	113.6	787.	105.	1486.	.37	1.
14 32 33	193.	154.	171.	89.	123.	7.	6.8	110.7	420.	107.	750.	.37	2.
14 32 39	195.	156.	177.	88.	121.	8.	7.8	107.8	34.	107.	49.	.40	2.
14 32 44	197.	155.	177.	86.	119.	1.	7.1	107.6	44.	105.	29.	.43	1.
14 32 49	198.	153.	173.	86.	120.	2.	5.9	106.6	29.	101.	10.	.47	-5.
14 32 54	199.	154.	173.	88.	119.	-3.	5.9	105.4	51.	111.	5.	.46	-2.
14 32 59	199.	154.	174.	87.	118.	-12.	4.4	105.6	29.	101.	5.	.41	-1.
14 33 4	199.	150.	171.	88.	118.	-19.	5.6	104.4	29.	101.	29.	.43	0.
14 33 9	199.	154.	174.	88.	117.	-25.	6.4	104.1	15.	99.	0.	.73	-8.
14 33 14	199.	155.	174.	86.	117.	-23.	6.6	102.5	12.	98.	8.	.59	-8.

C COMMUTATOR

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK RTRN L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P&D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P&D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAIN FWD L/H	EC 107 TEMP AMB MAIN FWD R/H	EC 108 TEMP AMB MAIN AFT L/H
09													
13 1 1	-1.	-0.	3.	1.	-1.	.6	-7.	-4.	2.	86.	85.	87.	78.
13 1 12	-1.	-0.	3.	1.	1.	.5	-2.	-2.	2.	86.	85.	86.	79.
13 1 17	-1.	-0.	5.	-5.	-2.	.5	2.	-3.	1.	85.	86.	86.	80.
13 1 22	-1.	-0.	4.	-3.	2.	.4	2.	-4.	2.	79.	85.	86.	77.
13 1 27	-0.	-0.	3.	0.	3.	.5	1.	-3.	2.	86.	84.	86.	79.
13 1 32	-0.	-0.	4.	-0.	1.	.4	3.	-3.	2.	86.	81.	86.	79.
13 1 32	-1.	-0.	2.	1.	1.	.4	1.	-7.	3.	86.	84.	86.	77.
13 1 38	-1.	-0.	4.	0.	2.	.4	4.	-6.	3.	86.	84.	85.	78.
13 41 48	-0.	-0.	3.	-1.	-1.	.3	5.	-3.	1.	86.	83.	86.	78.
13 1 53	-0.	-0.	2.	-1.	0.	.3	5.	-3.	2.	86.	84.	86.	78.
13 41 58	-0.	-0.	3.	1.	0.	.5	2.	-5.	1.	84.	84.	88.	79.
13 41 58	-0.	-0.	3.	0.	0.	.6	2.	-4.	1.	84.	84.	86.	79.
13 2 3	-0.	-0.	4.	0.	-1.	.6	2.	0.	1.	86.	84.	87.	77.
13 42 8	-0.	-0.	3.	0.	-1.	.5	1.	-1.	2.	86.	84.	87.	78.
13 2 13	-0.	-0.	4.	1.	0.	.7	-1.	-4.	-0.	86.	84.	84.	80.
13 2 18	-0.	-0.	4.	0.	-0.	.7	-0.	-4.	-0.	85.	84.	85.	79.
13 2 23	-1.	-0.	4.	0.	0.	.8	6.	-4.	3.	86.	84.	86.	76.
13 4 6	-1.	-0.	4.	1.	-0.	.9	3.	-4.	2.	86.	84.	87.	77.
13 4 11	-0.	-0.	3.	-1.	0.	25.9	3.	-6.	3.	88.	88.	85.	79.
13 4 11	-0.	-0.	3.	-3.	1.	25.0	3.	-4.	1.	88.	82.	85.	78.
13 4 16	-0.	-0.	3.	1.	1.	26.3	1.	-1.	2.	88.	83.	84.	78.
13 4 21	-0.	-0.	3.	1.	0.	26.4	2.	-3.	1.	87.	84.	86.	78.
13 4 26	-1.	-0.	3.	1.	0.	26.6	3.	-3.	2.	87.	84.	74.	79.
13 4 31	-1.	-0.	3.	1.	1.	26.4	4.	-3.	2.	87.	84.	88.	78.
13 4 44	-1.	-0.	3.	1.	-18.	26.1	3.	-6.	2.	88.	83.	85.	78.
13 4 42	-1.	-0.	1.	0.	-6.	26.2	2.	-5.	2.	87.	83.	86.	78.
13 4 47	-0.	-0.	4.	1.	-1.	26.2	4.	-3.	2.	88.	85.	86.	80.
13 4 52	-0.	-0.	4.	1.	0.	26.1	3.	-3.	2.	87.	85.	87.	80.
13 4 65	-0.	-0.	3.	0.	0.	25.5	2.	-1.	1.	88.	84.	86.	76.
13 5 2	-1.	-0.	3.	0.	0.	25.9	3.	-2.	1.	87.	84.	87.	75.
13 5 7	-1.	-0.	2.	0.	1.	26.5	3.	-3.	2.	87.	84.	84.	79.
13 5 12	-1.	-0.	3.	0.	0.	26.5	4.	-3.	2.	87.	85.	86.	79.
13 5 17	-1.	-0.	4.	1.	-1.	26.1	5.	-4.	1.	88.	84.	87.	78.
13 5 22	-1.	-0.	4.	0.	-3.	26.3	3.	-4.	1.	87.	83.	86.	79.
13 5 27	-0.	-0.	4.	0.	-1.	26.2	0.	-7.	2.	84.	86.	87.	83.
13 5 32	-0.	-0.	4.	1.	-1.	26.1	2.	-4.	2.	85.	86.	87.	82.
13 5 37	0.	-0.	4.	-0.	-3.	26.2	1.	-10.	1.	90.	84.	85.	80.
13 5 42	-0.	-0.	3.	-2.	-1.	25.8	1.	-6.	2.	89.	83.	85.	79.
13 5 47	-1.	-0.	4.	-0.	5.	25.8	1.	-2.	-0.	86.	86.	86.	82.
13 5 52	-1.	-0.	4.	0.	2.	26.3	2.	-3.	0.	87.	84.	86.	80.
13 5 57	-0.	-0.	4.	0.	-1.	26.6	2.	-2.	2.	87.	84.	86.	70.
13 6 7	-0.	-0.	4.	2.	1.	26.0	2.	-2.	2.	86.	85.	85.	79.
13 6 7	-1.	-0.	4.	-1.	0.	26.8	0.	-3.	2.	86.	84.	84.	74.
13 6 12	-1.	-0.	4.	-2.	3.	26.7	1.	-3.	2.	87.	84.	85.	77.
13 6 17	-1.	-0.	2.	0.	0.	27.4	1.	-7.	1.	86.	87.	80.	81.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+U VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
09													
13 6 22	-1.	-0.	3.	0.	1.	26.8	1.	-4.	2.	87.	85.	86.	80.
13 6 27	0.	-0.	4.	0.	3.	26.7	-1.	-3.	2.	87.	86.	88.	81.
13 6 37	-0.	-0.	3.	1.	2.	26.9	0.	-3.	2.	87.	86.	89.	81.
13 6 42	-0.	-0.	3.	0.	2.	26.8	0.	-6.	2.	89.	88.	88.	76.
13 6 47	-0.	-0.	3.	-0.	1.	26.7	-0.	-4.	2.	88.	88.	81.	77.
13 6 47	-1.	-0.	3.	-3.	0.	26.9	4.	-2.	2.	88.	84.	83.	77.
13 6 52	-1.	-0.	1.	-1.	-0.	27.2	3.	-3.	2.	82.	84.	85.	78.
13 6 57	-0.	-0.	4.	2.	2.	27.0	4.	-6.	1.	87.	81.	84.	77.
13 7 2	-0.	-0.	4.	2.	1.	26.8	5.	-8.	2.	87.	83.	84.	78.
13 7 7	-1.	-0.	3.	-0.	1.	26.7	3.	-5.	2.	84.	82.	83.	76.
13 7 12	-1.	-0.	4.	0.	-0.	26.9	3.	-3.	2.	85.	81.	84.	77.
13 7 18	-0.	-0.	4.	0.	-2.	27.1	2.	1.	2.	86.	81.	84.	77.
13 7 23	-0.	-0.	4.	-0.	-1.	27.0	2.	-0.	2.	85.	82.	84.	77.
13 7 28	-0.	-0.	4.	-0.	-2.	26.8	3.	-3.	2.	87.	88.	90.	82.
13 7 33	-1.	-0.	4.	0.	1.	26.9	3.	-2.	2.	87.	85.	87.	79.
13 7 38	-2.	-0.	4.	-1.	1.	27.1	1.	-10.	2.	87.	87.	74.	88.
13 7 43	-0.	-0.	4.	1.	2.	26.3	2.	-6.	4.	87.	84.	79.	79.
13 7 48	12.	-0.	5.	2.	9.	27.0	4.	-4.	21.	87.	83.	85.	78.
13 7 53	15.	-0.	4.	1.	7.	26.1	4.	-3.	25.	87.	83.	85.	78.
13 7 58	20.	-0.	5.	3.	48.	24.4	1.	-4.	32.	87.	86.	88.	80.
13 8 3	24.	-0.	5.	4.	77.	25.0	46.	-8.	37.	87.	85.	87.	80.
13 48 8	44.	-0.	8.	26.	158.	24.4	128.	-1.	65.	88.	88.	91.	82.
13 8 13	45.	-0.	13.	39.	165.	25.3	133.	-1.	66.	87.	85.	87.	79.
13 8 18	48.	-0.	14.	48.	185.	24.8	155.	0.	72.	86.	90.	87.	81.
13 8 23	48.	-0.	14.	49.	191.	24.1	157.	11.	73.	86.	87.	86.	80.
13 8 28	49.	0.	16.	48.	213.	24.6	174.	21.	76.	85.	74.	86.	78.
13 8 33	50.	0.	17.	48.	208.	24.2	179.	23.	76.	85.	78.	85.	78.
13 8 43	51.	0.	15.	49.	194.	23.9	178.	20.	75.	86.	86.	90.	80.
13 8 43	50.	0.	18.	47.	196.	24.2	176.	23.	76.	86.	86.	88.	80.
13 48 48	51.	-0.	13.	49.	211.	25.4	180.	22.	76.	88.	87.	90.	81.
13 8 53	50.	-0.	14.	50.	207.	24.8	175.	24.	76.	88.	86.	88.	79.
13 8 58	50.	0.	12.	48.	207.	24.3	173.	17.	76.	86.	85.	87.	75.
13 9 3	50.	0.	14.	47.	214.	24.3	177.	15.	75.	87.	86.	87.	74.
13 9 13	50.	-0.	14.	49.	221.	23.8	174.	29.	75.	84.	86.	84.	77.
13 9 18	50.	0.	15.	49.	212.	23.9	179.	28.	75.	85.	86.	86.	81.
13 9 23	50.	0.	17.	50.	204.	24.6	172.	26.	76.	86.	85.	79.	76.
13 9 28	50.	0.	16.	53.	204.	24.7	175.	24.	75.	86.	84.	82.	77.
13 9 28	49.	0.	18.	50.	180.	25.2	172.	26.	74.	88.	84.	88.	83.
13 9 33	49.	0.	17.	50.	205.	25.1	176.	20.	68.	86.	85.	88.	81.
13 9 38	49.	0.	17.	47.	191.	24.0	179.	11.	72.	84.	83.	86.	79.
13 9 43	49.	0.	17.	48.	204.	24.7	176.	16.	73.	85.	84.	86.	79.
13 49 48	49.	0.	18.	49.	223.	24.7	180.	19.	75.	85.	88.	85.	74.
13 9 53	49.	0.	16.	48.	220.	24.8	179.	21.	74.	86.	83.	86.	76.
13 9 59	49.	0.	15.	46.	202.	24.4	173.	22.	74.	84.	79.	86.	74.
13 10 4	49.	0.	16.	48.	202.	24.5	178.	26.	74.	84.	83.	86.	75.
13 10 9	49.	-0.	17.	49.	210.	24.7	169.	28.	73.	86.	86.	86.	80.
13 10 22	49.	0.	17.	51.	200.	24.5	173.	26.	73.	85.	86.	86.	79.
13 10 19	49.	-0.	18.	50.	194.	24.1	175.	21.	73.	85.	84.	86.	75.
13 10 24	49.	-0.	17.	49.	199.	24.4	176.	22.	72.	85.	84.	86.	76.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LUBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
13 10 29	49.	-0.	17.	58.	229.	23.4	169.	23.	72.	86.	84.	84.	83.
13 10 34	49.	0.	16.	50.	220.	24.5	169.	25.	72.	85.	84.	85.	84.
13 10 39	48.	-0.	16.	52.	198.	24.7	180.	27.	72.	87.	83.	87.	82.
13 10 44	49.	-0.	16.	51.	199.	24.2	177.	28.	73.	86.	85.	86.	77.
13 10 49	48.	0.	18.	44.	215.	25.1	179.	23.	72.	84.	86.	86.	78.
13 10 54	48.	-0.	17.	46.	216.	24.5	179.	23.	73.	82.	87.	86.	77.
13 11 43	49.	0.	19.	49.	235.	23.6	203.	30.	71.	87.	84.	88.	79.
13 51 48	49.	0.	18.	49.	237.	23.2	202.	36.	72.	87.	84.	87.	80.
13 51 58	50.	0.	18.	53.	217.	23.3	199.	50.	73.	86.	82.	85.	82.
13 12 3	50.	0.	19.	54.	229.	23.5	207.	53.	73.	86.	83.	86.	84.
13 12 3	49.	0.	18.	58.	243.	22.3	221.	53.	74.	90.	82.	85.	80.
13 52 8	49.	0.	18.	55.	251.	22.7	218.	52.	76.	88.	83.	86.	79.
13 12 13	50.	0.	19.	54.	249.	22.0	224.	68.	74.	86.	86.	89.	80.
13 12 18	50.	0.	16.	53.	253.	22.6	232.	59.	74.	86.	85.	87.	79.
13 12 28	50.	0.	18.	54.	268.	24.9	251.	81.	62.	86.	82.	89.	86.
13 12 33	50.	0.	18.	52.	269.	24.4	238.	76.	68.	86.	85.	89.	83.
13 12 38	50.	0.	20.	57.	262.	24.3	243.	72.	74.	84.	90.	88.	80.
13 12 38	50.	0.	20.	58.	266.	24.0	242.	66.	74.	84.	88.	88.	81.
13 12 43	50.	0.	18.	54.	276.	25.3	229.	70.	76.	85.	87.	87.	80.
13 52 48	50.	0.	19.	57.	279.	24.5	234.	79.	75.	86.	87.	88.	79.
13 12 53	50.	0.	18.	55.	253.	23.9	246.	72.	72.	84.	87.	91.	85.
13 12 58	49.	0.	19.	56.	258.	23.4	238.	75.	72.	86.	86.	90.	85.
13 13 3	50.	0.	20.	60.	272.	22.8	238.	62.	73.	86.	86.	90.	82.
13 13 9	50.	0.	19.	55.	265.	23.6	232.	65.	74.	87.	86.	90.	83.
13 13 14	50.	0.	18.	62.	259.	23.6	230.	60.	74.	85.	86.	90.	81.
13 13 19	50.	0.	19.	60.	265.	23.2	227.	55.	73.	84.	89.	91.	80.
13 13 24	50.	0.	18.	58.	256.	22.4	223.	68.	72.	86.	86.	90.	83.
13 13 29	50.	0.	19.	56.	269.	22.6	228.	69.	74.	86.	85.	90.	85.
13 13 34	49.	0.	21.	58.	263.	23.4	230.	78.	72.	85.	92.	93.	76.
13 13 39	49.	0.	21.	57.	261.	23.2	232.	71.	71.	86.	89.	92.	88.
13 13 44	49.	0.	20.	59.	259.	22.9	222.	76.	70.	82.	92.	93.	80.
13 13 49	49.	0.	20.	59.	261.	23.2	221.	72.	73.	84.	90.	92.	81.
13 13 54	49.	0.	20.	58.	256.	21.8	231.	70.	71.	84.	88.	94.	81.
13 13 59	49.	0.	20.	59.	255.	22.7	227.	63.	73.	83.	86.	88.	81.
13 14 4	49.	0.	19.	61.	264.	22.2	231.	59.	74.	84.	88.	90.	86.
13 14 9	49.	0.	20.	63.	263.	22.9	235.	59.	73.	86.	87.	90.	84.
13 14 14	49.	0.	21.	57.	266.	23.5	229.	70.	74.	84.	91.	90.	81.
13 14 19	49.	0.	21.	54.	264.	23.6	224.	58.	73.	84.	91.	91.	82.
13 14 24	48.	0.	20.	55.	259.	21.8	226.	46.	76.	84.	93.	92.	78.
13 14 34	48.	0.	20.	56.	261.	22.6	230.	56.	75.	84.	92.	92.	81.
13 14 34	48.	0.	20.	55.	261.	23.5	210.	76.	77.	86.	90.	91.	85.
13 14 39	48.	0.	20.	54.	264.	22.7	220.	70.	83.	85.	92.	92.	84.
13 14 44	49.	0.	22.	57.	257.	22.6	222.	69.	78.	85.	88.	93.	88.
13 14 49	49.	0.	21.	61.	251.	23.1	228.	67.	79.	84.	90.	93.	83.
13 14 54	48.	0.	21.	56.	257.	23.5	235.	65.	80.	84.	91.	91.	78.
13 15 4	48.	0.	21.	55.	257.	23.1	228.	66.	80.	85.	91.	92.	83.
13 15 9	49.	0.	20.	58.	265.	22.5	229.	67.	88.	86.	83.	84.	86.
13 15 14	49.	-0.	20.	60.	264.	23.3	227.	67.	89.	86.	89.	88.	85.
13 15 19	48.	0.	21.	60.	272.	23.2	232.	70.	90.	84.	95.	93.	77.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK 3RTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 31 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
09													
13 15 19	48.	-0.	21.	59.	266.	23.5	233.	74.	84.	85.	92.	92.	82.
13 15 24	49.	-0.	21.	58.	256.	22.1	237.	73.	89.	86.	90.	93.	87.
13 15 29	49.	0.	20.	59.	257.	22.4	231.	66.	92.	85.	90.	93.	83.
13 15 34	48.	0.	21.	57.	268.	23.0	249.	62.	98.	74.	90.	93.	84.
13 15 39	48.	-0.	21.	54.	266.	22.8	240.	70.	98.	80.	91.	93.	86.
13 15 44	47.	0.	20.	51.	259.	23.4	238.	73.	101.	85.	91.	92.	85.
13 15 50	47.	0.	21.	55.	264.	23.6	234.	71.	101.	66.	90.	92.	85.
13 15 55	46.	0.	21.	56.	248.	23.2	238.	66.	103.	85.	92.	92.	84.
13 16 0	48.	-0.	22.	58.	255.	23.1	230.	66.	103.	84.	91.	91.	83.
13 16 5	47.	0.	21.	57.	270.	22.6	220.	76.	106.	84.	93.	91.	79.
13 16 10	47.	0.	21.	55.	262.	22.6	228.	71.	106.	85.	91.	91.	82.
13 16 15	48.	-0.	21.	56.	277.	21.9	210.	73.	107.	84.	95.	93.	80.
13 16 20	47.	-0.	21.	55.	263.	22.8	220.	78.	110.	84.	95.	93.	80.
13 16 25	48.	0.	21.	59.	240.	24.2	225.	53.	109.	84.	84.	91.	82.
13 16 30	47.	0.	21.	59.	249.	24.2	225.	65.	110.	84.	88.	92.	80.
13 16 35	48.	0.	22.	58.	262.	22.3	235.	67.	114.	85.	89.	92.	84.
13 16 40	47.	0.	20.	58.	260.	22.2	234.	65.	115.	86.	87.	92.	84.
13 16 53	48.	0.	22.	57.	265.	23.4	230.	72.	116.	84.	90.	92.	80.
13 16 50	48.	0.	22.	54.	258.	23.2	231.	73.	117.	85.	89.	92.	78.
13 56 55	47.	0.	23.	60.	257.	22.6	230.	70.	120.	84.	91.	93.	82.
13 17 0	47.	0.	22.	61.	263.	22.7	232.	68.	121.	84.	91.	92.	82.
13 17 10	48.	0.	24.	57.	278.	24.1	221.	67.	117.	85.	87.	94.	74.
13 17 10	48.	0.	23.	59.	265.	23.3	223.	72.	118.	85.	87.	93.	79.
13 17 15	48.	0.	18.	56.	267.	21.8	229.	64.	121.	83.	93.	94.	76.
13 17 20	47.	0.	20.	56.	260.	22.5	232.	65.	119.	84.	90.	92.	79.
13 17 25	48.	-0.	22.	55.	255.	25.2	224.	70.	118.	85.	90.	93.	70.
13 17 30	47.	0.	22.	55.	254.	24.6	228.	65.	119.	86.	89.	92.	32.
13 17 40	47.	0.	23.	59.	254.	24.5	227.	65.	120.	86.	86.	90.	81.
13 17 45	46.	0.	24.	56.	253.	24.8	227.	72.	119.	85.	89.	92.	76.
13 17 50	47.	0.	21.	56.	258.	23.2	227.	68.	122.	86.	87.	91.	80.
13 17 55	47.	0.	21.	56.	265.	23.6	226.	71.	119.	85.	87.	91.	80.
13 17 55	46.	-0.	22.	56.	262.	22.3	239.	70.	118.	79.	93.	92.	75.
13 18 0	47.	0.	22.	61.	256.	22.9	235.	69.	117.	82.	92.	92.	79.
13 18 5	47.	0.	22.	59.	264.	22.8	230.	67.	118.	84.	86.	93.	84.
13 18 10	47.	0.	22.	59.	271.	22.3	232.	69.	117.	85.	89.	93.	80.
13 18 15	48.	0.	22.	55.	254.	23.0	229.	65.	114.	84.	87.	91.	82.
13 18 20	47.	0.	22.	58.	262.	23.5	229.	65.	116.	85.	89.	93.	83.
13 18 26	45.	0.	21.	60.	254.	23.9	221.	75.	109.	85.	92.	95.	79.
13 18 31	48.	0.	20.	56.	255.	23.6	225.	68.	113.	84.	92.	94.	78.
13 18 36	48.	0.	21.	59.	267.	24.3	227.	65.	119.	84.	95.	95.	80.
13 18 41	48.	0.	21.	58.	264.	24.4	226.	70.	114.	83.	94.	95.	81.
13 18 46	47.	0.	23.	62.	276.	20.9	222.	66.	115.	84.	89.	93.	80.
13 18 51	47.	0.	22.	56.	275.	24.1	226.	67.	116.	85.	89.	93.	83.
13 13 56	46.	0.	22.	58.	257.	21.8	238.	59.	123.	84.	92.	94.	80.
13 19 1	47.	0.	23.	54.	263.	22.2	232.	60.	122.	84.	92.	94.	78.
13 19 6	47.	0.	22.	59.	272.	23.3	232.	61.	115.	86.	88.	93.	79.
13 19 11	47.	0.	22.	56.	264.	22.7	229.	63.	116.	85.	91.	93.	80.
13 19 16	48.	0.	23.	60.	252.	23.4	223.	77.	118.	86.	93.	93.	82.
13 19 21	47.	0.	23.	57.	251.	23.5	20[illegible].	64.	117.	85.	92.	93.	81.

TIME H/M/S	AF 21 PRESS A/P OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 3. PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWH FWD L/H	EC 107 TEMP AMB MWH FWD R/H	EC 108 TEMP AMB MWH AFT L/H
13 22 24	45.	0.	23.	57.	191.	23.7	166.	22.	111.	85.	94.	96.	79.
13 22 29	44.	0.	23.	57.	192.	23.8	168.	24.	111.	83.	92.	95.	78.
13 22 34	44.	-0.	26.	57.	200.	24.0	170.	22.	109.	85.	87.	91.	82.
13 22 34	44.	-0.	24.	51.	204.	24.0	178.	26.	109.	84.	90.	91.	82.
13 22 39	44.	0.	22.	59.	199.	23.7	157.	11.	109.	85.	88.	93.	83.
13 22 44	44.	0.	23.	61.	200.	23.9	166.	21.	111.	85.	86.	93.	82.
13 22 49	44.	0.	25.	54.	207.	23.6	179.	22.	109.	84.	89.	93.	80.
13 22 54	44.	0.	25.	54.	205.	23.4	179.	20.	110.	84.	89.	93.	78.
13 22 59	44.	0.	25.	57.	209.	24.3	177.	26.	108.	85.	86.	93.	82.
13 23 4	43.	0.	25.	60.	206.	24.5	175.	24.	109.	85.	88.	94.	79.
13 23 10	43.	0.	23.	57.	211.	24.1	176.	26.	109.	84.	88.	93.	80.
13 23 15	43.	0.	23.	57.	205.	24.1	176.	27.	110.	85.	87.	91.	79.
13 23 20	43.	0.	24.	57.	200.	24.2	164.	29.	112.	83.	91.	93.	78.
13 23 25	43.	0.	24.	60.	209.	24.0	168.	27.	107.	85.	91.	92.	81.
13 23 30	44.	0.	25.	60.	193.	25.4	174.	12.	111.	84.	88.	93.	82.
13 23 35	44.	0.	24.	59.	201.	24.4	157.	22.	111.	84.	90.	93.	78.
13 23 40	43.	-0.	25.	62.	202.	23.9	176.	31.	111.	84.	89.	91.	86.
13 23 45	44.	0.	26.	61.	199.	23.9	172.	26.	109.	85.	88.	91.	81.
13 23 50	42.	-0.	26.	56.	204.	24.3	189.	27.	110.	83.	84.	91.	74.
13 23 55	43.	-0.	25.	55.	202.	24.2	186.	21.	111.	84.	85.	91.	79.
13 24 0	43.	-0.	26.	52.	205.	23.5	170.	30.	112.	83.	90.	92.	74.
13 24 5	43.	0.	25.	55.	211.	23.4	171.	29.	111.	85.	89.	93.	77.
13 24 10	43.	-0.	27.	60.	208.	23.8	171.	22.	108.	84.	93.	90.	75.
13 24 15	44.	0.	25.	61.	207.	23.6	169.	23.	109.	84.	92.	92.	78.
13 24 20	43.	0.	25.	51.	211.	24.5	172.	29.	110.	85.	91.	92.	76.
13 24 25	43.	0.	25.	59.	206.	24.0	175.	27.	109.	85.	91.	92.	76.
13 24 30	43.	-0.	24.	58.	208.	22.1	163.	26.	109.	85.	90.	90.	80.
13 24 35	43.	-0.	24.	56.	202.	22.9	161.	29.	109.	86.	90.	91.	81.
13 24 40	44.	-0.	26.	57.	192.	25.1	172.	16.	110.	84.	92.	91.	76.
13 24 50	44.	-0.	25.	60.	193.	24.3	173.	23.	110.	85.	91.	92.	78.
13 24 55	43.	0.	25.	61.	195.	23.6	170.	26.	110.	84.	84.	93.	75.
13 25 0	43.	0.	25.	60.	200.	23.7	173.	25.	110.	85.	88.	91.	77.
13 25 5	44.	-0.	25.	61.	193.	23.9	176.	19.	109.	87.	86.	91.	84.
13 25 10	44.	0.	26.	57.	194.	23.3	176.	21.	110.	86.	87.	91.	82.
13 25 15	44.	0.	27.	58.	210.	23.1	173.	21.	107.	84.	91.	95.	76.
13 25 23	44.	0.	27.	57.	203.	23.5	174.	23.	108.	85.	90.	93.	78.
13 25 20	44.	-0.	26.	56.	195.	23.9	169.	19.	111.	86.	88.	91.	76.
13 25 25	44.	-0.	27.	59.	200.	23.7	167.	18.	110.	85.	88.	91.	78.
13 25 30	43.	0.	25.	57.	205.	23.4	182.	21.	109.	84.	91.	94.	78.
13 25 35	43.	0.	26.	53.	202.	23.8	177.	27.	109.	87.	90.	93.	81.
13 25 40	44.	0.	24.	52.	199.	23.9	180.	14.	109.	84.	90.	93.	76.
13 25 46	44.	-0.	26.	54.	201.	23.9	173.	15.	110.	84.	90.	92.	77.
13 25 51	44.	-0.	26.	70.	204.	24.1	170.	29.	109.	74.	90.	90.	80.
13 25 56	42.	0.	25.	62.	207.	23.6	171.	22.	108.	78.	91.	92.	78.
13 26 1	44.	0.	25.	55.	200.	23.4	167.	25.	111.	83.	90.	92.	80.
13 26 6	42.	0.	26.	57.	202.	23.5	170.	21.	112.	84.	91.	92.	78.
13 26 11	43.	0.	24.	62.	196.	22.7	179.	34.	111.	86.	89.	92.	84.
13 25 16	44.	0.	25.	63.	199.	23.2	175.	27.	110.	85.	90.	92.	81.
13 26 21	43.	0.	26.	56.	205.	23.5	169.	21.	109.	85.	91.	92.	82.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
09													
13 26 26	43.	0.	26.	57.	205.	23.3	168.	24.	109.	86.	90.	92.	76.
13 26 31	44.	0.	24.	61.	199.	24.2	171.	25.	110.	87.	86.	91.	79.
13 25 36	43.	0.	25.	59.	201.	23.8	171.	26.	111.	84.	90.	92.	78.
13 26 41	44.	0.	26.	52.	204.	23.3	166.	25.	111.	84.	84.	93.	76.
13 26 46	44.	0.	26.	60.	207.	23.6	164.	23.	110.	85.	87.	91.	77.
13 49 8	44.	0.	26.	57.	203.	25.0	162.	23.	108.	85.	88.	89.	80.
13 49 13	44.	0.	26.	57.	202.	24.6	173.	27.	106.	86.	90.	88.	80.
13 49 18	43.	0.	26.	56.	200.	23.8	169.	29.	105.	86.	87.	86.	84.
13 49 23	44.	0.	27.	56.	199.	24.1	161.	26.	105.	86.	88.	87.	83.
13 49 28	43.	-0.	28.	51.	202.	24.5	180.	18.	109.	86.	90.	90.	89.
13 49 33	43.	-0.	27.	53.	201.	24.3	176.	19.	109.	86.	88.	89.	89.
13 49 38	43.	-0.	26.	52.	213.	23.9	178.	25.	111.	83.	89.	88.	78.
13 49 43	44.	-0.	26.	56.	206.	24.3	174.	29.	110.	84.	88.	84.	81.
13 49 48	43.	0.	28.	44.	208.	24.0	165.	23.	108.	88.	86.	88.	87.
13 49 58	44.	-0.	27.	49.	207.	23.9	165.	25.	109.	84.	88.	88.	83.
13 50 3	44.	0.	26.	55.	205.	24.6	153.	23.	106.	86.	90.	90.	88.
13 50 8	44.	0.	25.	53.	195.	24.4	165.	20.	106.	86.	88.	88.	87.
13 50 13	44.	0.	26.	50.	198.	24.3	175.	26.	106.	84.	90.	90.	86.
13 50 18	43.	-0.	27.	58.	193.	24.3	173.	24.	107.	84.	87.	88.	81.
13 53 18	44.	-0.	25.	58.	204.	24.1	179.	24.	109.	85.	89.	86.	79.
13 50 23	44.	-0.	26.	55.	201.	24.2	174.	25.	109.	84.	91.	87.	79.
13 50 28	43.	0.	27.	53.	204.	24.2	176.	25.	109.	85.	89.	87.	77.
13 50 33	43.	-0.	28.	54.	205.	24.2	176.	22.	109.	84.	89.	88.	80.
13 50 38	43.	-0.	26.	58.	211.	23.5	168.	29.	109.	84.	91.	87.	82.
13 50 43	43.	-0.	27.	57.	202.	23.6	175.	28.	107.	84.	89.	87.	84.
13 50 48	45.	0.	28.	53.	205.	25.2	166.	26.	108.	82.	89.	86.	76.
13 50 54	44.	0.	26.	55.	205.	24.7	172.	24.	107.	83.	90.	86.	78.
13 50 59	43.	-0.	25.	56.	198.	24.1	175.	20.	110.	84.	84.	85.	82.
13 51 4	43.	-0.	26.	57.	198.	24.8	169.	23.	109.	84.	87.	88.	84.
13 51 9	43.	0.	26.	56.	214.	23.9	174.	26.	107.	86.	90.	88.	88.
13 51 14	43.	0.	26.	56.	209.	24.1	170.	29.	108.	85.	88.	88.	81.
13 51 19	44.	-0.	27.	59.	198.	24.2	176.	32.	109.	84.	91.	86.	80.
13 51 24	45.	-0.	27.	58.	204.	24.6	175.	30.	108.	84.	91.	85.	78.
13 51 29	43.	-0.	27.	59.	215.	23.8	163.	21.	105.	87.	84.	87.	86.
14 3 13	44.	0.	27.	56.	214.	24.2	170.	26.	106.	84.	88.	88.	87.
14 3 18	44.	0.	27.	55.	221.	23.9	188.	33.	105.	85.	92.	93.	90.
14 3 23	45.	0.	26.	55.	214.	23.8	192.	40.	106.	85.	93.	89.	87.
14 3 33	45.	0.	28.	53.	236.	23.7	207.	44.	110.	86.	84.	93.	79.
14 3 38	46.	0.	26.	56.	241.	23.2	209.	52.	109.	83.	88.	92.	84.
14 3 43	47.	0.	26.	53.	251.	23.1	223.	75.	113.	85.	95.	92.	88.
14 3 43	47.	0.	26.	53.	260.	23.5	225.	77.	112.	86.	93.	92.	87.
14 43 48	46.	0.	27.	52.	261.	22.3	229.	84.	111.	82.	90.	91.	80.
14 3 53	48.	0.	27.	54.	281.	22.3	249.	98.	111.	84.	89.	92.	85.
14 43 58	47.	0.	26.	55.	325.	22.2	276.	105.	115.	89.	92.	84.	83.
14 4 3	47.	0.	25.	56.	323.	22.0	278.	117.	117.	87.	92.	89.	84.
14 4 8	48.	1.	24.	54.	333.	21.6	293.	141.	119.	84.	91.	92.	85.
14 4 14	48.	0.	23.	56.	339.	22.8	297.	154.	119.	85.	91.	92.	85.
14 4 19	48.	0.	24.	55.	353.	23.2	307.	157.	123.	85.	92.	91.	85.
14 4 24	48.	0.	24.	53.	355.	24.3	316.	153.	122.	84.	93.	92.	84.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTMR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS F+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS F+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIJE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
09													
14 4 29	47.	0.	26.	54.	379.	24.2	337.	188.	119.	84.	90.	92.	89.
14 4 34	49.	0.	26.	52.	389.	25.6	352.	199.	119.	82.	93.	93.	86.
14 4 39	48.	0.	24.	52.	423.	24.2	386.	193.	121.	85.	84.	91.	87.
14 4 44	48.	0.	25.	50.	438.	25.9	383.	211.	121.	84.	88.	90.	87.
14 4 49	49.	1.	25.	50.	474.	22.2	389.	264.	119.	86.	97.	84.	82.
14 4 54	49.	0.	24.	50.	495.	21.6	425.	284.	118.	82.	94.	87.	84.
14 4 59	48.	-0.	26.	53.	515.	20.3	452.	304.	117.	83.	97.	90.	83.
14 5 4	49.	0.	25.	54.	515.	20.9	448.	307.	119.	83.	93.	91.	87.
14 5 9	49.	0.	24.	54.	504.	20.1	456.	295.	119.	84.	90.	91.	87.
14 5 14	49.	0.	24.	53.	503.	20.5	456.	302.	116.	82.	92.	91.	85.
14 5 19	50.	-0.	26.	54.	523.	23.5	452.	310.	105.	85.	74.	89.	84.
14 5 24	50.	0.	24.	54.	522.	21.0	447.	316.	103.	83.	81.	89.	85.
14 5 29	50.	0.	27.	52.	521.	21.5	443.	323.	98.	83.	90.	88.	90.
14 5 39	49.	0.	25.	53.	520.	21.9	444.	328.	101.	82.	91.	86.	86.
14 5 39	49.	0.	24.	54.	500.	20.4	457.	307.	97.	83.	90.	90.	90.
14 5 44	49.	0.	24.	53.	487.	22.8	452.	317.	98.	84.	89.	89.	88.
14 5 49	49.	0.	25.	53.	520.	21.3	457.	307.	95.	84.	87.	88.	89.
14 5 54	49.	0.	25.	50.	407.	22.4	369.	217.	97.	81.	90.	88.	83.
14 5 59	48.	-0.	25.	55.	179.	23.8	161.	32.	99.	82.	87.	87.	76.
14 6 9	44.	-1.	25.	54.	191.	23.6	169.	27.	104.	82.	89.	88.	83.
14 6 14	43.	-0.	24.	58.	202.	23.4	178.	26.	109.	84.	91.	86.	80.
14 6 19	43.	-0.	24.	58.	210.	23.5	175.	24.	108.	83.	91.	87.	78.
14 6 19	43.	-0.	24.	58.	201.	23.5	175.	28.	108.	86.	93.	89.	86.
14 6 24	43.	-0.	25.	60.	203.	23.7	175.	27.	107.	85.	90.	89.	88.
14 16 29	44.	-0.	27.	54.	196.	25.3	175.	27.	107.	84.	91.	89.	76.
14 14 36	44.	-0.	27.	54.	198.	24.4	177.	27.	102.	84.	93.	92.	84.
14 14 41	42.	-0.	26.	57.	210.	23.2	171.	21.	98.	84.	95.	90.	87.
14 14 46	42.	-0.	26.	56.	199.	23.6	171.	21.	98.	84.	95.	92.	85.
14 14 51	43.	-0.	25.	56.	202.	25.6	176.	18.	97.	84.	95.	97.	91.
14 15 1	43.	-0.	24.	56.	205.	24.1	174.	23.	98.	84.	96.	96.	92.
14 15 6	43.	-0.	27.	51.	207.	23.4	166.	31.	99.	81.	99.	95.	85.
14 15 11	43.	-0.	26.	53.	204.	23.8	168.	28.	98.	83.	98.	95.	86.
14 15 11	43.	-0.	24.	57.	205.	23.7	175.	25.	95.	84.	98.	95.	92.
14 15 16	44.	-0.	25.	57.	208.	23.7	168.	27.	96.	84.	97.	95.	90.
14 15 21	43.	-0.	26.	57.	201.	23.5	172.	24.	95.	84.	99.	95.	83.
14 15 26	43.	-0.	27.	56.	204.	23.6	176.	26.	95.	85.	97.	96.	89.
14 15 31	44.	-0.	23.	53.	196.	23.1	158.	29.	95.	86.	94.	97.	93.
14 15 36	44.	-0.	24.	54.	201.	23.3	169.	29.	96.	85.	94.	97.	92.
14 15 42	44.	0.	27.	54.	199.	23.9	170.	24.	94.	84.	95.	97.	74.
14 15 47	45.	0.	27.	55.	198.	23.6	166.	22.	95.	83.	96.	96.	77.
14 15 52	44.	-0.	27.	56.	208.	23.2	166.	26.	94.	84.	97.	97.	91.
14 17 19	44.	-0.	27.	56.	200.	24.1	167.	27.	95.	84.	97.	97.	91.
14 17 24	43.	-0.	29.	54.	197.	23.3	163.	34.	94.	84.	98.	93.	85.
14 17 29	43.	-0.	27.	55.	195.	23.5	158.	29.	96.	84.	97.	94.	85.
14 17 34	44.	-0.	18.	59.	207.	23.6	166.	24.	98.	82.	94.	95.	90.
14 17 39	44.	-0.	23.	58.	207.	24.3	164.	23.	95.	84.	94.	96.	87.
14 17 44	43.	-0.	26.	60.	199.	25.1	173.	24.	96.	84.	97.	97.	82.
14 17 54	43.	-0.	27.	57.	202.	24.4	173.	24.	97.	84.	97.	97.	84.
14 17 59	45.	-0.	25.	58.	201.	25.3	176.	23.	93.	83.	98.	96.	91.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P&D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P&D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MAN FWD L/H	EC 107 TEMP AMB MAN FWD R/H	EC 108 TEMP AMB MAN AFT L/H
14 18 4	44.	-0.	27.	57.	202.	25.0	174.	24.	96.	84.	98.	96.	93.
14 18 4	43.	-0.	28.	56.	199.	24.6	167.	22.	97.	84.	97.	96.	94.
14 18 9	44.	-0.	27.	55.	194.	24.6	169.	24.	99.	84.	96.	96.	91.
14 18 14	43.	-0.	25.	59.	202.	24.9	180.	23.	99.	82.	99.	99.	83.
14 18 19	43.	-0.	24.	56.	202.	24.2	180.	23.	100.	82.	98.	98.	84.
14 32 7	36.	-0.	24.	43.	78.	23.9	10.	-2.	80.	81.	93.	94.	90.
14 32 13	24.	-0.	21.	32.	75.	28.1	5.	-4.	54.	82.	94.	95.	94.
14 32 18	5.	-0.	15.	20.	84.	27.6	5.	-1.	14.	84.	95.	95.	90.
14 32 23	3.	-0.	15.	16.	81.	31.9	5.	-1.	10.	85.	95.	94.	89.
14 32 28	0.	-0.	13.	12.	58.	31.6	-7.	-1.	1.	84.	95.	95.	88.
14 32 33	-1.	-1.	14.	13.	45.	26.6	-4.	0.	1.	83.	95.	96.	89.
14 32 39	-1.	-0.	15.	15.	43.	25.8	3.	-4.	1.	84.	95.	94.	90.
14 32 44	-1.	-0.	15.	13.	38.	25.9	1.	-0.	1.	79.	95.	95.	89.
14 32 49	-0.	-0.	16.	7.	34.	24.2	0.	-4.	1.	84.	95.	97.	89.
14 32 54	-0.	-0.	14.	10.	29.	16.5	-3.	-1.	1.	84.	95.	96.	89.
14 32 59	-1.	-0.	16.	10.	15.	5.2	-3.	-4.	0.	86.	95.	97.	89.
14 33 4	-1.	-0.	15.	11.	12.	3.9	-1.	-3.	0.	85.	95.	96.	90.
14 33 9	-1.	-0.	15.	13.	20.	.5	-1.	-5.	0.	84.	97.	96.	89.
14 33 14	-1.	-0.	15.	12.	16.	.2	-0.	-5.	-0.	84.	96.	95.	89.

C COMMUTATOR

TIME H/M/S	EC 109 TEMP APB MNN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 450	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
13 1 1	82.	84.	82.	85.	82.	90.	88.	84.	88.	LOW	88.	91.	82.
13 1 12	81.	84.	81.	86.	83.	93.	88.	84.	86.	LOW	88.	90.	83.
13 1 17	80.	82.	76.	74.	84.	80.	85.	84.	87.	LOW	89.	91.	86.
13 1 22	80.	82.	79.	81.	83.	83.	86.	86.	87.	LOW	89.	91.	85.
13 1 27	80.	82.	81.	86.	83.	84.	87.	84.	87.	LOW	86.	91.	85.
13 1 32	80.	83.	81.	86.	83.	85.	87.	83.	87.	LOW	87.	91.	87.
13 1 32	80.	84.	81.	86.	83.	85.	87.	84.	84.	LOW	87.	91.	82.
13 1 38	79.	83.	77.	86.	83.	85.	87.	84.	86.	LOW	86.	90.	84.
13 41 48	80.	84.	82.	86.	84.	85.	86.	80.	87.	LOW	87.	90.	74.
13 1 53	77.	81.	82.	87.	83.	85.	86.	82.	87.	LOW	88.	93.	80.
13 41 58	80.	83.	80.	86.	82.	85.	86.	84.	88.	LOW	88.	91.	86.
13 41 58	81.	83.	81.	86.	82.	95.	86.	83.	87.	LOW	87.	94.	85.
13 2 3	81.	82.	80.	85.	82.	85.	86.	84.	74.	LOW	87.	90.	88.
13 42 8	80.	83.	81.	85.	82.	85.	89.	84.	88.	LOW	86.	92.	87.
13 2 13	78.	82.	81.	86.	82.	84.	86.	84.	88.	LOW	88.	91.	87.
13 2 18	76.	82.	81.	86.	83.	84.	85.	84.	86.	LOW	87.	91.	86.
13 2 23	80.	84.	74.	86.	82.	84.	89.	84.	87.	LOW	88.	90.	85.
13 4 6	81.	83.	78.	85.	82.	85.	87.	84.	86.	LOW	88.	90.	83.
13 4 11	79.	82.	82.	84.	81.	83.	83.	74.	80.	LOW	92.	97.	90.
13 4 11	79.	83.	82.	84.	82.	83.	83.	79.	86.	LOW	93.	96.	90.
13 4 16	80.	83.	82.	84.	82.	82.	84.	85.	88.	LOW	86.	84.	84.
13 4 21	76.	83.	81.	84.	82.	83.	84.	85.	83.	LOW	84.	85.	82.
13 4 26	79.	84.	82.	86.	79.	79.	84.	84.	89.	LOW	84.	85.	76.
13 4 31	77.	83.	82.	86.	81.	79.	85.	83.	87.	LOW	84.	86.	78.
13 4 44	81.	89.	80.	84.	81.	82.	84.	83.	87.	LOW	83.	88.	80.
13 4 42	81.	85.	81.	84.	82.	84.	83.	83.	88.	LOW	87.	89.	81.
13 4 47	79.	83.	82.	84.	82.	83.	84.	84.	91.	LOW	90.	95.	91.
13 4 52	79.	84.	82.	86.	82.	83.	85.	84.	90.	LOW	87.	93.	88.
13 4 65	80.	83.	82.	84.	74.	83.	84.	84.	90.	LOW	88.	88.	80.
13 5 2	80.	83.	81.	85.	78.	83.	85.	84.	90.	LOW	89.	85.	83.
13 5 7	80.	84.	84.	86.	82.	84.	84.	84.	89.	LOW	93.	95.	87.
13 5 12	80.	83.	83.	86.	82.	84.	85.	86.	88.	LOW	91.	91.	86.
13 5 17	80.	82.	82.	86.	82.	83.	84.	87.	89.	LOW	89.	97.	90.
13 5 22	79.	82.	82.	86.	81.	83.	84.	85.	89.	LOW	86.	90.	85.
13 5 27	80.	83.	80.	87.	82.	84.	85.	84.	89.	LOW	84.	90.	82.
13 5 32	80.	82.	81.	87.	82.	83.	85.	84.	88.	LOW	85.	90.	85.
13 5 37	80.	83.	82.	74.	82.	83.	84.	84.	87.	LOW	93.	95.	91.
13 5 42	80.	84.	82.	79.	82.	83.	84.	82.	86.	LOW	90.	93.	87.
13 5 47	80.	82.	79.	86.	82.	86.	84.	86.	88.	LOW	84.	88.	80.
13 5 52	80.	83.	80.	86.	82.	85.	84.	85.	89.	LOW	89.	92.	85.
13 5 57	80.	83.	81.	84.	82.	82.	84.	84.	90.	LOW	82.	86.	69.
13 6 7	80.	84.	81.	85.	82.	82.	84.	82.	90.	LOW	80.	85.	74.
13 6 7	74.	89.	81.	86.	83.	79.	84.	86.	90.	LOW	83.	82.	81.
13 6 12	75.	84.	81.	85.	82.	81.	84.	86.	90.	LOW	82.	83.	78.
13 6 17	79.	83.	80.	86.	80.	85.	83.	86.	90.	LOW	82.	80.	79.

TIME H/M/S	EC 109 TEMP AFB MWW AFT R/H	PR 20 TEMP OIL CSO INLET L/H ENGINE	PR 22 TEMP OIL CSO OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
13 5 22	81.	83.	80.	84.	80.	94.	81.	85.	82.	LOW	88.	93.	89.
13 6 27	77.	82.	82.	85.	82.	79.	82.	87.	91.	LOW	79.	90.	74.
13 6 37	73.	82.	82.	85.	82.	92.	82.	97.	91.	LOW	79.	88.	72.
13 6 42	84.	84.	82.	83.	80.	71.	82.	82.	90.	LOW	91.	94.	87.
13 6 47	83.	85.	81.	80.	81.	73.	82.	81.	91.	LOW	94.	96.	88.
13 6 47	86.	82.	80.	82.	79.	101.	84.	86.	90.	LOW	86.	98.	82.
13 6 52	83.	82.	80.	82.	80.	98.	83.	88.	91.	LOW	84.	88.	79.
13 6 57	84.	82.	80.	84.	82.	73.	74.	90.	93.	LOW	82.	83.	73.
13 7 2	82.	82.	77.	83.	82.	71.	77.	88.	92.	LOW	88.	87.	82.
13 7 7	84.	81.	80.	82.	82.	88.	82.	90.	93.	LOW	78.	82.	73.
13 7 12	84.	81.	80.	82.	81.	91.	82.	90.	92.	LOW	80.	84.	76.
13 7 18	84.	82.	81.	81.	78.	99.	82.	88.	91.	LOW	86.	92.	84.
13 7 23	85.	81.	80.	82.	79.	94.	81.	90.	92.	LOW	82.	87.	74.
13 7 28	86.	82.	82.	79.	82.	69.	82.	89.	93.	LOW	88.	84.	82.
13 7 33	84.	82.	81.	81.	81.	77.	79.	91.	92.	LOW	82.	82.	76.
13 7 38	79.	82.	80.	83.	79.	78.	80.	92.	94.	LOW	78.	82.	71.
13 7 43	83.	78.	80.	83.	78.	87.	80.	92.	93.	LOW	79.	85.	74.
13 7 48	85.	84.	77.	82.	81.	86.	82.	97.	93.	LOW	79.	88.	78.
13 7 53	83.	85.	79.	82.	81.	85.	81.	93.	92.	LOW	88.	91.	82.
13 7 58	80.	88.	79.	83.	82.	72.	79.	90.	93.	LOW	79.	81.	72.
13 8 3	79.	86.	81.	79.	80.	78.	80.	90.	93.	LOW	87.	90.	84.
13 48 8	78.	84.	84.	80.	80.	70.	80.	90.	84.	LOW	92.	95.	88.
13 8 13	80.	85.	84.	81.	77.	82.	80.	90.	89.	LOW	88.	93.	86.
13 8 18	80.	86.	86.	81.	78.	90.	80.	95.	92.	LOW	93.	95.	91.
13 8 23	82.	85.	88.	83.	80.	81.	80.	95.	93.	LOW	89.	93.	84.
13 8 28	85.	91.	92.	87.	82.	60.	80.	95.	95.	LOW	80.	82.	73.
13 8 33	85.	92.	93.	86.	80.	84.	80.	96.	95.	LOW	80.	83.	77.
13 8 43	79.	96.	96.	82.	79.	88.	79.	92.	93.	LOW	91.	94.	90.
13 8 43	79.	99.	96.	83.	78.	91.	79.	93.	94.	LOW	90.	92.	87.
13 48 48	80.	99.	101.	85.	80.	71.	78.	95.	92.	LOW	89.	93.	88.
13 8 53	83.	99.	100.	86.	81.	69.	79.	96.	94.	LOW	87.	91.	81.
13 8 58	84.	105.	101.	86.	81.	79.	77.	88.	97.	LOW	92.	92.	87.
13 9 3	82.	103.	102.	86.	80.	82.	78.	94.	97.	LOW	91.	90.	86.
13 9 13	84.	108.	105.	87.	80.	86.	80.	90.	101.	LOW	87.	95.	86.
13 9 18	82.	105.	106.	87.	80.	85.	80.	100.	99.	LOW	84.	90.	83.
13 9 23	83.	108.	110.	86.	80.	78.	79.	91.	98.	LOW	91.	74.	87.
13 9 28	83.	110.	111.	86.	80.	77.	79.	92.	98.	LOW	91.	83.	86.
13 9 28	79.	107.	111.	84.	80.	80.	80.	105.	96.	LOW	85.	84.	77.
13 9 33	80.	110.	114.	84.	80.	78.	79.	98.	97.	LOW	87.	88.	80.
13 9 38	82.	113.	117.	84.	80.	69.	78.	96.	97.	LOW	86.	89.	84.
13 9 43	83.	114.	119.	84.	81.	71.	78.	97.	97.	LOW	88.	89.	84.
13 48 48	84.	121.	117.	84.	78.	84.	78.	95.	100.	LOW	87.	95.	87.
13 9 53	82.	117.	115.	84.	79.	87.	78.	101.	98.	LOW	85.	90.	83.
13 9 59	84.	119.	119.	84.	80.	76.	78.	87.	99.	LOW	89.	91.	84.
13 10 4	84.	121.	119.	84.	79.	81.	78.	90.	100.	LOW	88.	92.	86.
13 10 9	81.	119.	120.	86.	81.	74.	78.	98.	99.	LOW	90.	88.	82.
13 10 22	82.	124.	125.	86.	80.	79.	80.	96.	98.	LOW	90.	90.	83.
13 10 19	80.	130.	121.	86.	80.	78.	76.	93.	99.	LOW	88.	91.	86.
13 10 24	81.	127.	125.	87.	80.	77.	77.	95.	99.	LOW	89.	91.	86.

TIME H/M/S	EC 109 TEMP AMB MWW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 430	EC 111 TEMP WEAPNS BAY STA 600	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
13 10 29	82.	121.	132.	86.	80.	74.	78.	101.	97.	LOW	87.	90.	78.
13 10 34	80.	122.	130.	86.	80.	75.	77.	104.	96.	LOW	86.	87.	80.
13 10 39	79.	120.	131.	84.	79.	73.	76.	95.	95.	LOW	84.	87.	79.
13 10 44	80.	125.	129.	85.	79.	79.	77.	95.	97.	LOW	86.	88.	79.
13 10 49	83.	130.	126.	87.	74.	82.	78.	97.	99.	LOW	91.	92.	84.
13 10 54	82.	132.	127.	87.	75.	84.	78.	97.	99.	LOW	88.	91.	83.
13 11 43	80.	130.	139.	86.	80.	73.	78.	110.	101.	LOW	87.	92.	78.
13 51 48	81.	133.	142.	86.	84.	73.	77.	105.	100.	LOW	88.	92.	80.
13 51 58	82.	136.	145.	85.	80.	76.	75.	105.	96.	LOW	91.	91.	85.
13 12 3	80.	137.	145.	85.	80.	75.	76.	108.	97.	LOW	88.	90.	83.
13 12 3	83.	137.	149.	78.	80.	76.	77.	105.	95.	LOW	90.	90.	84.
13 52 8	83.	137.	149.	80.	79.	78.	78.	104.	96.	LOW	88.	88.	84.
13 12 13	81.	145.	141.	84.	80.	82.	79.	108.	98.	LOW	83.	88.	76.
13 12 18	83.	144.	145.	84.	79.	81.	78.	105.	98.	LOW	84.	90.	81.
13 12 28	83.	141.	152.	85.	80.	73.	79.	110.	97.	LOW	85.	91.	83.
13 12 33	82.	143.	149.	86.	80.	77.	79.	109.	98.	LOW	84.	90.	79.
13 12 38	82.	150.	146.	86.	79.	85.	76.	100.	101.	LOW	84.	86.	74.
13 12 38	82.	148.	149.	87.	79.	74.	78.	104.	100.	LOW	85.	87.	76.
13 12 43	84.	144.	155.	85.	78.	81.	76.	103.	98.	LOW	88.	89.	84.
13 52 48	82.	150.	151.	86.	79.	82.	78.	105.	99.	LOW	84.	86.	80.
13 12 53	82.	156.	152.	87.	80.	76.	79.	108.	98.	LOW	85.	90.	78.
13 12 58	83.	150.	154.	87.	77.	75.	79.	109.	99.	LOW	87.	89.	79.
13 13 3	85.	149.	159.	86.	78.	80.	77.	110.	98.	LOW	87.	94.	84.
13 13 9	85.	148.	160.	86.	77.	78.	78.	110.	97.	LOW	89.	92.	84.
13 13 14	85.	152.	160.	86.	79.	80.	79.	106.	100.	LOW	84.	93.	86.
13 13 19	84.	155.	157.	86.	79.	84.	79.	105.	102.	LOW	84.	91.	80.
13 13 24	83.	154.	158.	90.	81.	74.	81.	109.	101.	LOW	84.	88.	80.
13 13 29	85.	154.	159.	90.	80.	75.	76.	109.	100.	LOW	85.	87.	81.
13 13 34	79.	159.	156.	89.	77.	85.	79.	105.	103.	LOW	86.	90.	79.
13 13 39	81.	158.	158.	90.	79.	81.	79.	108.	101.	LOW	85.	89.	79.
13 13 44	82.	164.	158.	90.	73.	86.	79.	103.	108.	LOW	82.	86.	76.
13 13 49	83.	161.	162.	90.	79.	83.	78.	105.	108.	LOW	85.	88.	80.
13 13 54	84.	163.	163.	88.	80.	88.	79.	106.	101.	LOW	84.	88.	80.
13 13 59	84.	164.	161.	91.	79.	87.	79.	106.	103.	LOW	83.	88.	78.
13 14 4	86.	159.	168.	91.	80.	74.	82.	112.	101.	LOW	88.	94.	79.
13 14 9	86.	168.	166.	82.	79.	75.	90.	112.	101.	LOW	90.	93.	82.
13 14 14	84.	168.	163.	91.	80.	84.	75.	105.	104.	LOW	81.	86.	74.
13 14 19	83.	166.	165.	89.	79.	86.	77.	106.	103.	LOW	82.	87.	77.
13 14 24	82.	163.	158.	87.	79.	85.	80.	109.	103.	LOW	86.	85.	78.
13 14 34	83.	162.	169.	86.	79.	86.	79.	108.	103.	LOW	85.	88.	78.
13 14 34	85.	168.	167.	86.	80.	78.	80.	111.	104.	LOW	83.	88.	76.
13 14 39	85.	168.	169.	85.	78.	83.	80.	110.	104.	LOW	85.	89.	77.
13 14 44	85.	165.	173.	87.	80.	76.	79.	117.	101.	LOW	82.	91.	74.
13 14 49	83.	166.	170.	88.	78.	82.	79.	113.	100.	LOW	82.	89.	75.
13 14 54	84.	168.	172.	89.	78.	83.	79.	110.	103.	LOW	86.	88.	82.
13 15 4	84.	165.	175.	89.	79.	84.	78.	113.	102.	LOW	88.	91.	82.
13 15 9	86.	170.	175.	88.	80.	78.	79.	112.	103.	LOW	87.	91.	78.
13 15 14	85.	172.	173.	89.	79.	77.	79.	111.	104.	LOW	85.	90.	77.
13 15 19	82.	174.	176.	90.	79.	83.	80.	108.	105.	LOW	78.	82.	76.

TIME H/M/S	EC 109 TEMP APB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
I 0													
13 15 19	86.	178.	179.	89.	79.	80.	79.	113.	104.	LOW	85.	87.	79.
13 15 24	87.	178.	178.	89.	79.	78.	78.	117.	103.	LOW	90.	91.	82.
13 15 29	86.	176.	174.	90.	79.	76.	79.	112.	104.	LOW	85.	86.	79.
13 15 34	86.	171.	176.	91.	78.	78.	80.	120.	101.	LOW	90.	91.	85.
13 15 39	85.	174.	177.	92.	79.	78.	79.	116.	103.	LOW	88.	88.	79.
13 15 44	87.	176.	181.	93.	79.	76.	79.	113.	106.	LOW	87.	84.	75.
13 15 50	87.	175.	182.	92.	79.	75.	79.	116.	101.	LOW	86.	87.	77.
13 15 55	84.	180.	179.	90.	76.	82.	74.	109.	106.	LOW	83.	84.	73.
13 16 0	84.	181.	176.	91.	78.	79.	76.	109.	106.	LOW	84.	84.	74.
13 16 5	82.	181.	180.	93.	78.	85.	80.	108.	106.	LOW	84.	84.	75.
13 16 10	84.	176.	185.	93.	78.	82.	79.	113.	104.	LOW	88.	89.	78.
13 16 15	83.	181.	182.	96.	79.	85.	80.	118.	106.	LOW	84.	84.	73.
13 16 20	81.	181.	182.	94.	79.	87.	78.	110.	106.	LOW	85.	87.	75.
13 16 25	84.	184.	180.	94.	80.	79.	80.	111.	106.	LOW	82.	88.	69.
13 16 30	84.	186.	180.	93.	79.	83.	80.	109.	107.	LOW	81.	86.	73.
13 16 35	86.	175.	191.	93.	78.	81.	80.	121.	103.	LOW	90.	92.	85.
13 16 40	85.	177.	190.	94.	79.	78.	79.	119.	104.	LOW	89.	89.	82.
13 16 53	86.	180.	191.	93.	79.	85.	80.	117.	104.	LOW	86.	91.	83.
13 16 50	85.	183.	188.	95.	79.	81.	77.	115.	102.	LOW	85.	87.	80.
13 56 55	83.	183.	187.	95.	79.	78.	79.	113.	106.	LOW	86.	84.	74.
13 17 0	84.	186.	186.	96.	79.	78.	79.	112.	107.	LOW	85.	86.	74.
13 17 10	83.	183.	193.	95.	80.	80.	78.	116.	104.	LOW	84.	89.	82.
13 17 10	84.	182.	190.	96.	79.	85.	78.	118.	104.	LOW	88.	90.	84.
13 17 15	82.	191.	184.	99.	80.	82.	79.	108.	108.	LOW	86.	85.	73.
13 17 20	84.	191.	186.	99.	80.	79.	79.	110.	107.	LOW	82.	85.	75.
13 17 25	83.	191.	187.	99.	80.	82.	78.	114.	107.	LOW	80.	82.	73.
13 17 30	84.	189.	191.	99.	80.	79.	79.	116.	106.	LOW	84.	87.	78.
13 17 40	86.	191.	193.	100.	80.	75.	79.	114.	106.	LOW	90.	86.	78.
13 17 45	84.	193.	190.	100.	80.	78.	79.	113.	107.	LOW	86.	85.	76.
13 17 50	86.	190.	194.	100.	80.	76.	80.	117.	106.	LOW	88.	91.	80.
13 17 55	86.	190.	194.	100.	80.	79.	80.	116.	106.	LOW	87.	89.	80.
13 17 55	82.	189.	195.	98.	80.	82.	80.	115.	107.	LOW	82.	82.	73.
13 18 0	83.	186.	197.	96.	79.	84.	78.	117.	105.	LOW	86.	87.	75.
13 18 5	86.	187.	199.	95.	80.	84.	79.	116.	105.	LOW	88.	92.	80.
13 18 10	85.	187.	199.	96.	79.	86.	79.	116.	105.	LOW	87.	89.	79.
13 18 15	85.	189.	198.	101.	79.	78.	80.	117.	106.	LOW	86.	89.	74.
13 18 20	84.	192.	196.	99.	79.	79.	79.	117.	107.	LOW	85.	88.	74.
13 18 26	82.	189.	200.	93.	77.	91.	76.	119.	105.	LOW	84.	90.	85.
13 18 31	83.	194.	197.	95.	77.	87.	78.	115.	106.	LOW	82.	87.	78.
13 18 36	82.	191.	199.	94.	79.	87.	79.	118.	95.	LOW	84.	88.	74.
13 18 41	82.	192.	200.	93.	79.	87.	79.	118.	101.	LOW	83.	87.	73.
13 18 46	85.	199.	194.	95.	81.	78.	80.	113.	110.	LOW	83.	86.	73.
13 18 51	79.	197.	198.	96.	80.	80.	80.	116.	108.	LOW	85.	89.	77.
13 18 56	82.	193.	201.	95.	79.	86.	80.	119.	108.	LOW	80.	83.	74.
13 19 1	83.	196.	200.	94.	78.	88.	80.	117.	107.	LOW	88.	84.	74.
13 19 6	84.	198.	206.	92.	78.	74.	80.	124.	104.	LOW	89.	90.	84.
13 19 11	84.	190.	206.	92.	78.	79.	80.	122.	103.	LOW	88.	89.	79.
13 19 16	84.	189.	207.	93.	78.	85.	78.	121.	95.	LOW	88.	90.	84.
13 19 21	84.	193.	204.	93.	79.	86.	79.	119.	100.	LOW	87.	87.	80.

TIME H/M/S	EC 109 TEMP AMB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 409	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA128	EC 105 TEMP RADOME AREA TOP STA124
10													
13 22 24	82.	200.	201.	93.	78.	82.	80.	116.	186.	LOW	91.	84.	82.
13 22 29	81.	208.	212.	99.	79.	84.	79.	118.	187.	LOW	84.	79.	79.
13 22 34	85.	218.	221.	106.	82.	74.	79.	120.	188.	LOW	88.	89.	78.
13 22 34	83.	216.	223.	105.	81.	79.	79.	120.	186.	LOW	87.	89.	77.
13 22 39	85.	219.	221.	106.	82.	76.	76.	119.	186.	LOW	85.	90.	75.
13 22 44	86.	218.	224.	106.	82.	77.	77.	121.	186.	LOW	85.	98.	74.
13 22 49	85.	224.	219.	108.	80.	78.	79.	116.	110.	LOW	80.	86.	71.
13 22 54	85.	224.	219.	107.	83.	77.	79.	117.	113.	LOW	82.	87.	73.
13 22 59	74.	218.	224.	108.	81.	76.	79.	123.	108.	LOW	85.	90.	79.
13 23 4	78.	218.	226.	104.	82.	81.	79.	122.	107.	LOW	84.	89.	79.
13 23 10	84.	218.	231.	103.	80.	85.	78.	124.	106.	LOW	86.	90.	86.
13 23 15	85.	219.	228.	104.	81.	80.	79.	122.	100.	LOW	85.	87.	82.
13 23 20	82.	226.	221.	103.	82.	79.	78.	117.	139.	LOW	80.	83.	69.
13 23 25	83.	222.	226.	103.	81.	78.	78.	121.	107.	LOW	84.	87.	74.
13 23 30	84.	224.	224.	105.	79.	78.	77.	120.	108.	LOW	88.	86.	73.
13 23 35	79.	226.	224.	103.	80.	83.	78.	117.	109.	LOW	84.	80.	74.
13 23 40	83.	226.	226.	105.	82.	78.	78.	117.	109.	LOW	84.	82.	69.
13 23 45	84.	224.	238.	104.	82.	80.	79.	120.	107.	LOW	85.	87.	76.
13 23 50	84.	223.	229.	103.	75.	87.	79.	119.	108.	LOW	83.	86.	76.
13 23 55	85.	225.	230.	102.	79.	82.	76.	120.	108.	LOW	84.	87.	78.
13 24 0	81.	229.	226.	100.	82.	87.	78.	117.	110.	LOW	80.	86.	68.
13 24 5	83.	226.	238.	100.	82.	80.	78.	122.	109.	LOW	82.	89.	75.
13 24 10	82.	226.	230.	100.	82.	84.	78.	119.	108.	LOW	86.	88.	78.
13 24 15	81.	226.	231.	101.	81.	86.	78.	120.	108.	LOW	86.	88.	76.
13 24 20	83.	229.	230.	100.	80.	87.	79.	116.	108.	LOW	82.	88.	78.
13 24 25	82.	226.	231.	100.	80.	86.	78.	119.	108.	LOW	84.	87.	78.
13 24 30	84.	231.	231.	101.	74.	76.	78.	115.	106.	LOW	82.	79.	71.
13 24 35	84.	228.	233.	98.	77.	77.	78.	122.	107.	LOW	81.	85.	75.
13 24 40	82.	227.	234.	97.	81.	83.	78.	121.	107.	LOW	84.	87.	75.
13 24 50	83.	228.	234.	97.	81.	82.	78.	121.	107.	LOW	85.	90.	78.
13 24 55	82.	230.	230.	97.	80.	82.	77.	119.	95.	LOW	80.	82.	74.
13 25 0	82.	231.	230.	98.	83.	81.	78.	117.	102.	LOW	81.	83.	69.
13 25 5	84.	228.	236.	99.	81.	74.	79.	125.	106.	LOW	88.	88.	79.
13 25 10	84.	231.	234.	99.	81.	75.	79.	123.	107.	LOW	86.	88.	77.
13 25 15	82.	232.	235.	98.	79.	68.	74.	120.	108.	LOW	79.	83.	74.
13 25 23	84.	232.	235.	98.	79.	82.	75.	121.	106.	LOW	83.	87.	78.
13 25 20	85.	232.	235.	100.	82.	73.	78.	120.	107.	LOW	83.	84.	81.
13 25 25	85.	228.	239.	96.	81.	70.	78.	120.	106.	LOW	35.	86.	81.
13 25 30	82.	231.	237.	97.	80.	84.	78.	121.	105.	LOW	85.	91.	77.
13 25 35	82.	229.	239.	98.	81.	79.	78.	123.	105.	LOW	87.	90.	77.
13 25 48	82.	239.	234.	98.	83.	80.	69.	121.	111.	LOW	76.	86.	72.
13 25 46	83.	234.	238.	96.	82.	81.	73.	121.	109.	LOW	82.	87.	75.
13 25 51	84.	237.	239.	95.	81.	74.	78.	115.	110.	LOW	82.	79.	68.
13 25 56	82.	237.	237.	96.	80.	77.	78.	117.	110.	LOW	82.	81.	68.
13 26 1	84.	229.	244.	90.	81.	82.	78.	124.	109.	LOW	84.	95.	84.
13 26 6	83.	229.	240.	91.	81.	79.	78.	121.	112.	LOW	83.	89.	76.
13 26 11	84.	230.	247.	94.	85.	71.	77.	129.	112.	LOW	85.	87.	69.
13 26 16	83.	234.	242.	93.	83.	76.	77.	126.	113.	LOW	82.	84.	71.
13 26 21	83.	231.	244.	92.	81.	82.	77.	124.	110.	LOW	86.	93.	85.

TIME H/M/S	EC 109 TEMP AMB MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
13 26 26	83.	233.	242.	93.	81.	82.	77.	127.	111.	LOW	83.	88.	78.
13 26 31	84.	235.	242.	94.	82.	69.	78.	127.	113.	LOW	84.	88.	78.
13 26 36	82.	238.	241.	94.	82.	77.	78.	124.	116.	LOW	82.	87.	74.
13 26 41	82.	239.	242.	91.	86.	87.	78.	123.	114.	LOW	82.	88.	76.
13 26 46	84.	237.	245.	92.	83.	82.	78.	125.	113.	LOW	86.	88.	78.
13 49 8	85.	276.	289.	93.	82.	71.	73.	130.	114.	LOW	79.	80.	73.
13 49 13	84.	279.	285.	94.	82.	73.	73.	126.	114.	LOW	83.	83.	73.
13 49 18	83.	277.	285.	97.	81.	74.	72.	126.	114.	LOW	80.	79.	69.
13 49 23	83.	276.	287.	96.	81.	73.	72.	127.	113.	LOW	80.	80.	72.
13 49 28	82.	272.	289.	96.	80.	75.	73.	134.	111.	LOW	80.	79.	66.
13 49 33	82.	274.	289.	96.	80.	77.	71.	133.	112.	LOW	80.	80.	69.
13 49 38	85.	283.	284.	94.	82.	74.	72.	121.	115.	LOW	85.	86.	75.
13 49 43	82.	278.	288.	94.	81.	71.	73.	126.	113.	LOW	85.	86.	73.
13 49 48	84.	275.	288.	96.	81.	74.	73.	134.	112.	LOW	82.	80.	74.
13 49 58	85.	279.	288.	96.	81.	73.	73.	128.	113.	LOW	83.	82.	75.
13 50 3	82.	275.	288.	98.	80.	77.	74.	132.	112.	LOW	82.	82.	69.
13 50 8	83.	275.	287.	97.	81.	75.	74.	132.	112.	LOW	78.	81.	69.
13 50 13	82.	278.	285.	95.	81.	76.	73.	129.	112.	LOW	80.	81.	69.
13 50 18	84.	279.	285.	95.	81.	74.	74.	124.	113.	LOW	82.	83.	73.
13 53 18	84.	281.	283.	97.	80.	82.	72.	127.	112.	LOW	82.	82.	76.
13 50 23	83.	283.	283.	96.	80.	80.	73.	123.	113.	LOW	81.	84.	75.
13 50 28	82.	281.	284.	97.	80.	80.	73.	125.	114.	LOW	84.	87.	74.
13 50 33	78.	282.	282.	97.	80.	81.	73.	126.	114.	LOW	83.	86.	70.
13 50 38	85.	284.	288.	97.	81.	74.	72.	123.	113.	LOW	80.	85.	82.
13 50 43	84.	282.	290.	98.	82.	72.	72.	124.	113.	LOW	81.	82.	79.
13 50 48	85.	286.	282.	98.	82.	76.	72.	121.	114.	LOW	84.	84.	74.
13 50 54	85.	283.	283.	98.	82.	75.	73.	121.	114.	LOW	86.	85.	74.
13 50 59	86.	270.	293.	98.	82.	69.	72.	125.	112.	LOW	85.	74.	73.
13 51 4	84.	274.	289.	98.	82.	74.	73.	127.	112.	LOW	83.	78.	71.
13 51 9	82.	278.	288.	99.	79.	74.	71.	130.	112.	LOW	80.	82.	68.
13 51 14	85.	281.	284.	98.	80.	76.	72.	125.	113.	LOW	80.	83.	73.
13 51 19	85.	283.	285.	97.	82.	69.	72.	122.	114.	LOW	87.	84.	73.
13 51 24	85.	283.	285.	97.	81.	72.	72.	121.	114.	LOW	87.	84.	73.
13 51 29	86.	275.	290.	98.	82.	67.	73.	132.	111.	LOW	82.	82.	69.
14 3 13	85.	280.	293.	104.	83.	74.	74.	127.	112.	LOW	83.	82.	68.
14 3 18	82.	290.	293.	106.	84.	82.	69.	119.	113.	LOW	83.	81.	74.
14 3 23	83.	284.	290.	107.	85.	76.	71.	125.	111.	LOW	83.	82.	70.
14 3 33	84.	276.	288.	98.	85.	71.	74.	131.	109.	LOW	84.	76.	63.
14 3 38	83.	275.	290.	100.	86.	69.	76.	126.	113.	LOW	86.	78.	67.
14 3 43	79.	274.	287.	100.	85.	71.	74.	131.	108.	LOW	82.	81.	65.
14 3 43	82.	274.	289.	99.	86.	70.	74.	131.	107.	LOW	84.	80.	67.
14 43 48	86.	285.	288.	98.	84.	82.	73.	117.	114.	LOW	82.	84.	76.
14 3 53	86.	280.	290.	99.	89.	75.	74.	124.	112.	LOW	81.	84.	74.
14 43 58	82.	270.	286.	100.	85.	78.	75.	131.	108.	LOW	80.	84.	68.
14 4 3	83.	274.	285.	102.	84.	76.	75.	129.	107.	LOW	80.	83.	67.
14 4 8	86.	277.	290.	103.	82.	74.	73.	121.	111.	LOW	82.	86.	74.
14 4 14	87.	273.	291.	104.	83.	72.	74.	123.	110.	LOW	84.	84.	72.
14 4 19	87.	272.	293.	105.	84.	69.	73.	123.	110.	LOW	82.	82.	69.
14 4 24	87.	272.	289.	105.	87.	68.	74.	121.	110.	LOW	84.	83.	70.

TIME H/M/S	EC 109 TEMP APB MNW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
14 4 29	87.	268.	288.	105.	86.	73.	74.	128.	110.	LOW	84.	87.	74.
14 4 34	88.	272.	285.	105.	85.	77.	74.	123.	112.	LOW	79.	84.	69.
14 4 39	88.	269.	286.	105.	86.	67.	74.	127.	110.	LOW	84.	82.	72.
14 4 44	87.	268.	288.	106.	86.	59.	75.	127.	110.	LOW	84.	82.	69.
14 4 49	84.	270.	280.	105.	85.	76.	74.	117.	112.	LOW	87.	84.	71.
14 4 54	86.	265.	280.	105.	85.	78.	74.	127.	111.	LOW	83.	83.	71.
14 4 59	82.	269.	277.	107.	85.	81.	74.	119.	112.	LOW	83.	81.	69.
14 5 4	85.	269.	280.	107.	85.	80.	75.	123.	112.	LOW	81.	81.	67.
14 5 9	84.	266.	283.	108.	85.	78.	76.	127.	110.	LOW	80.	78.	66.
14 5 14	84.	268.	278.	107.	86.	79.	76.	122.	111.	LOW	82.	81.	68.
14 5 19	87.	260.	286.	106.	88.	69.	74.	133.	108.	LOW	87.	80.	74.
14 5 24	87.	260.	295.	107.	89.	70.	74.	132.	109.	LOW	84.	82.	72.
14 5 29	84.	263.	281.	109.	87.	73.	76.	127.	110.	LOW	77.	80.	64.
14 5 39	84.	266.	277.	109.	83.	78.	75.	124.	111.	LOW	78.	81.	67.
14 5 39	85.	265.	278.	110.	86.	84.	76.	127.	111.	LOW	80.	83.	63.
14 5 44	86.	261.	279.	109.	87.	78.	76.	130.	110.	LOW	82.	79.	66.
14 5 49	85.	263.	279.	110.	88.	78.	78.	127.	106.	LOW	78.	82.	61.
14 5 54	86.	266.	276.	109.	88.	75.	77.	122.	109.	LOW	81.	83.	67.
14 5 59	87.	260.	272.	108.	86.	80.	75.	128.	118.	LOW	84.	87.	72.
14 6 9	86.	262.	275.	109.	86.	76.	74.	124.	111.	LOW	82.	84.	72.
14 6 14	87.	270.	268.	109.	85.	84.	73.	125.	110.	LOW	78.	87.	72.
14 6 19	87.	272.	269.	109.	85.	85.	73.	123.	111.	LOW	79.	83.	73.
14 6 19	84.	263.	270.	110.	86.	85.	73.	131.	105.	LOW	83.	79.	66.
14 6 24	84.	266.	273.	111.	87.	78.	73.	131.	108.	LOW	81.	82.	68.
14 16 29	86.	270.	268.	111.	86.	84.	75.	125.	114.	LOW	79.	84.	74.
14 14 36	86.	271.	276.	109.	88.	78.	75.	127.	110.	LOW	80.	82.	69.
14 14 41	89.	278.	293.	110.	88.	71.	74.	123.	111.	LOW	86.	82.	71.
14 14 46	89.	282.	287.	110.	88.	75.	74.	120.	112.	LOW	85.	83.	74.
14 14 51	86.	277.	290.	105.	90.	70.	74.	128.	110.	LOW	76.	79.	63.
14 15 1	86.	277.	288.	107.	88.	77.	75.	130.	111.	LOW	78.	81.	65.
14 15 6	88.	284.	285.	106.	88.	80.	74.	118.	114.	LOW	84.	85.	72.
14 15 11	88.	284.	285.	106.	88.	77.	75.	117.	113.	LOW	85.	85.	72.
14 15 11	85.	277.	287.	107.	87.	80.	74.	132.	111.	LOW	79.	81.	65.
14 15 16	86.	280.	289.	107.	88.	75.	74.	128.	112.	LOW	81.	82.	64.
14 15 21	87.	285.	285.	108.	86.	74.	74.	117.	113.	LOW	87.	84.	71.
14 15 26	86.	280.	288.	108.	86.	73.	74.	125.	111.	LOW	84.	81.	64.
14 15 31	85.	275.	290.	108.	85.	76.	74.	132.	109.	LOW	80.	76.	65.
14 15 36	86.	275.	292.	108.	83.	73.	74.	128.	110.	LOW	83.	78.	67.
14 15 42	87.	281.	291.	106.	89.	73.	74.	126.	112.	LOW	80.	81.	71.
14 15 47	87.	283.	285.	108.	87.	79.	74.	125.	111.	LOW	81.	82.	71.
14 15 52	86.	283.	285.	113.	87.	79.	75.	127.	113.	LOW	80.	82.	65.
14 17 19	85.	281.	285.	109.	87.	77.	74.	129.	112.	LOW	78.	81.	66.
14 17 24	88.	287.	285.	103.	87.	76.	74.	118.	114.	LOW	86.	83.	74.
14 17 29	87.	282.	290.	105.	87.	73.	74.	124.	112.	LOW	84.	83.	69.
14 17 34	88.	286.	292.	103.	87.	82.	74.	119.	114.	LOW	80.	84.	73.
14 17 39	87.	283.	290.	104.	87.	78.	75.	124.	112.	LOW	79.	82.	70.
14 17 44	86.	286.	283.	104.	90.	83.	76.	123.	112.	LOW	82.	84.	74.
14 17 54	87.	286.	285.	105.	89.	80.	76.	121.	112.	LOW	83.	84.	74.
14 17 59	86.	285.	295.	105.	88.	78.	75.	121.	113.	LOW	79.	76.	65.

TIME H/M/S	EC 109 TEMP APB PMA AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA +00	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL UTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
14 18 4	86.	281.	295.	104.	88.	7e.	75.	128.	112.	LOW	80.	78.	65.
14 18 4	86.	275.	291.	111.	88.	71.	74.	129.	113.	LOW	82.	84.	65.
14 18 9	87.	277.	292.	109.	87.	72.	75.	125.	111.	LOW	82.	35.	78.
14 18 14	86.	285.	288.	108.	87.	53.	74.	123.	114.	LOW	80.	88.	69.
14 18 19	88.	286.	289.	107.	88.	32.	75.	120.	113.	LOW	80.	82.	71.
14 32 7	86.	290.	290.	102.	84.	76.	74.	136.	108.	LOW	80.	80.	67.
14 32 13	86.	287.	292.	101.	84.	76.	74.	131.	109.	LOW	83.	83.	69.
14 32 18	84.	283.	294.	101.	84.	76.	73.	125.	112.	LOW	86.	86.	72.
14 32 23	86.	282.	287.	100.	85.	77.	72.	125.	110.	LOW	85.	84.	69.
14 32 28	85.	279.	294.	102.	86.	77.	74.	125.	110.	LOW	74.	79.	61.
14 32 33	86.	277.	293.	102.	85.	77.	74.	125.	109.	LOW	78.	79.	64.
14 32 39	87.	275.	290.	100.	86.	77.	73.	124.	108.	LOW	82.	76.	63.
14 32 44	87.	275.	290.	100.	85.	77.	74.	124.	104.	LOW	80.	82.	67.
14 32 49	86.	274.	286.	97.	85.	77.	74.	130.	107.	LOW	81.	81.	65.
14 32 54	86.	275.	285.	100.	86.	78.	74.	127.	107.	LOW	81.	84.	66.
14 32 59	86.	273.	280.	103.	86.	78.	74.	125.	107.	LOW	83.	81.	68.
14 33 4	86.	274.	279.	103.	86.	78.	74.	125.	107.	LOW	82.	81.	67.
14 33 9	86.	274.	276.	102.	84.	78.	74.	124.	107.	LOW	82.	82.	67.
14 33 14	86.	273.	273.	102.	84.	78.	74.	124.	107.	LOW	82.	82.	67.

C COMMUTATOR

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
13 1 1	86.	86.	87.	92.	92.	91.	LOW	88.	84.	82.	78.	88.	88.
13 1 12	85.	85.	87.	92.	88.	92.	LOW	88.	87.	81.	78.	87.	88.
13 1 17	86.	84.	90.	92.	91.	93.	LOW	89.	86.	79.	79.	86.	87.
13 1 22	86.	84.	90.	92.	91.	92.	LOW	89.	84.	88.	79.	88.	87.
13 1 27	86.	85.	89.	92.	90.	92.	LOW	90.	85.	82.	80.	85.	88.
13 1 32	86.	86.	89.	93.	91.	92.	LOW	89.	88.	81.	79.	86.	88.
13 1 32	89.	86.	89.	91.	91.	93.	LOW	89.	89.	82.	78.	86.	88.
13 1 38	88.	84.	89.	91.	91.	93.	LOW	89.	88.	81.	79.	86.	88.
13 41 48	86.	85.	90.	93.	92.	84.	LOW	94.	87.	80.	77.	88.	87.
13 1 53	86.	79.	89.	91.	91.	89.	LOW	88.	87.	88.	78.	86.	87.
13 41 58	86.	84.	89.	92.	98.	93.	LOW	90.	87.	81.	76.	86.	89.
13 41 58	86.	84.	89.	92.	90.	93.	LOW	90.	86.	81.	78.	86.	88.
13 2 3	86.	85.	88.	91.	86.	91.	LOW	89.	86.	82.	79.	86.	88.
13 42 8	86.	86.	89.	91.	89.	91.	LOW	89.	88.	81.	78.	86.	87.
13 2 13	85.	84.	89.	90.	91.	93.	LOW	90.	90.	82.	80.	86.	74.
13 2 18	85.	55.	89.	91.	91.	93.	LOW	90.	87.	82.	88.	86.	81.
13 2 23	86.	80.	90.	93.	91.	91.	LOW	90.	85.	83.	76.	85.	88.
13 4 6	86.	82.	90.	93.	92.	91.	LOW	90.	86.	82.	77.	85.	88.
13 4 11	84.	84.	90.	94.	91.	90.	LOW	72.	86.	72.	71.	74.	76.
13 4 11	84.	84.	89.	94.	91.	91.	LOW	73.	84.	71.	70.	79.	75.
13 4 16	86.	84.	90.	94.	89.	90.	LOW	74.	89.	74.	74.	91.	78.
13 4 21	86.	85.	90.	95.	90.	91.	LOW	76.	86.	73.	72.	89.	76.
13 4 26	86.	86.	90.	94.	90.	94.	LOW	77.	86.	72.	70.	88.	86.
13 4 31	86.	85.	90.	95.	90.	92.	LOW	79.	85.	71.	69.	86.	88.
13 4 44	86.	86.	90.	95.	90.	91.	LOW	86.	90.	78.	74.	90.	84.
13 4 42	85.	85.	90.	94.	91.	92.	LOW	85.	90.	78.	75.	90.	85.
13 4 47	84.	79.	90.	93.	86.	94.	LOW	79.	84.	66.	66.	84.	79.
13 4 52	85.	81.	90.	94.	88.	94.	LOW	80.	82.	66.	65.	79.	79.
13 4 65	85.	84.	84.	92.	90.	90.	LOW	86.	90.	74.	76.	91.	86.
13 5 2	85.	84.	87.	93.	91.	92.	LOW	83.	83.	69.	70.	86.	82.
13 5 7	84.	84.	87.	93.	92.	93.	LOW	78.	85.	64.	65.	94.	80.
13 5 12	85.	84.	86.	93.	92.	93.	LOW	79.	84.	63.	65.	83.	79.
13 5 17	84.	83.	90.	84.	91.	93.	LOW	80.	87.	70.	69.	87.	84.
13 5 22	85.	84.	89.	90.	90.	92.	LOW	92.	88.	73.	71.	88.	85.
13 5 27	86.	85.	89.	94.	92.	93.	LOW	82.	82.	69.	67.	82.	78.
13 5 32	80.	82.	88.	95.	92.	93.	LOW	81.	81.	68.	65.	82.	76.
13 5 37	84.	84.	90.	94.	91.	91.	LOW	80.	85.	63.	69.	84.	84.
13 5 42	85.	84.	90.	93.	91.	91.	LOW	81.	88.	70.	71.	88.	84.
13 5 47	85.	85.	90.	98.	92.	92.	LOW	74.	83.	67.	63.	85.	71.
13 5 52	84.	84.	90.	93.	92.	91.	LOW	74.	83.	66.	65.	85.	73.
13 5 57	86.	85.	90.	94.	90.	95.	LOW	78.	85.	67.	68.	88.	76.
13 6 7	86.	85.	90.	94.	91.	95.	LOW	77.	83.	65.	65.	86.	74.
13 6 7	86.	84.	90.	94.	90.	93.	LOW	80.	87.	68.	67.	89.	76.
13 6 12	85.	84.	89.	95.	90.	91.	LOW	81.	86.	69.	66.	89.	76.
13 6 17	86.	84.	90.	97.	90.	90.	LOW	70.	70.	52.	52.	74.	67.

TIME H/M/S	SF 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 OOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CAUC	EC 74 NAV COMP UNT
11													
13 6 22	85.	85.	90.	96.	86.	90.	LOW	73.	75.	56.	56.	78.	70.
13 6 27	85.	84.	89.	98.	90.	90.	LOW	86.	84.	58.	61.	80.	69.
13 6 37	85.	84.	89.	97.	90.	90.	LOW	86.	83.	58.	59.	82.	69.
13 6 42	86.	86.	90.	96.	91.	90.	LOW	91.	91.	63.	69.	95.	85.
13 6 47	85.	85.	92.	95.	90.	91.	LOW	91.	91.	66.	69.	95.	84.
13 6 47	74.	84.	90.	97.	93.	91.	LOW	75.	77.	53.	53.	81.	71.
13 6 52	79.	84.	90.	98.	92.	91.	LOW	75.	74.	50.	50.	78.	68.
13 6 57	79.	84.	88.	97.	90.	90.	LOW	81.	76.	42.	50.	76.	64.
13 7 2	82.	84.	89.	96.	89.	91.	LOW	80.	75.	44.	49.	76.	61.
13 7 7	85.	84.	89.	93.	89.	91.	LOW	76.	78.	47.	51.	82.	63.
13 7 12	85.	84.	90.	95.	90.	90.	LOW	80.	82.	53.	55.	86.	71.
13 7 18	84.	84.	91.	97.	90.	89.	LOW	84.	86.	61.	61.	91.	79.
13 7 23	85.	86.	90.	96.	91.	91.	LOW	79.	82.	52.	56.	86.	72.
13 7 28	91.	84.	84.	89.	89.	90.	LOW	79.	81.	52.	50.	80.	64.
13 7 33	86.	84.	88.	98.	91.	91.	LOW	78.	79.	50.	48.	79.	66.
13 7 38	86.	84.	89.	95.	90.	90.	LOW	74.	74.	46.	44.	73.	59.
13 7 43	86.	84.	90.	97.	91.	89.	LOW	76.	76.	46.	47.	77.	65.
13 7 48	86.	84.	90.	95.	90.	89.	LOW	74.	74.	43.	46.	76.	66.
13 7 53	86.	86.	91.	95.	89.	89.	LOW	83.	74.	53.	54.	86.	74.
13 7 58	91.	87.	90.	89.	89.	87.	LOW	74.	71.	40.	41.	73.	63.
13 8 3	92.	86.	90.	97.	90.	89.	LOW	82.	82.	52.	51.	83.	70.
13 48 8	95.	84.	90.	101.	98.	89.	LOW	87.	84.	54.	51.	84.	68.
13 8 13	96.	84.	91.	92.	90.	89.	LOW	87.	86.	57.	55.	87.	74.
13 8 18	101.	84.	91.	97.	89.	89.	LOW	83.	87.	53.	58.	92.	79.
13 8 23	100.	79.	91.	96.	92.	90.	LOW	79.	82.	47.	49.	85.	70.
13 8 28	98.	82.	89.	95.	89.	91.	LOW	74.	78.	40.	45.	78.	66.
13 8 33	98.	84.	89.	95.	89.	91.	LOW	79.	81.	46.	48.	82.	69.
13 8 43	98.	94.	91.	99.	91.	88.	LOW	89.	88.	61.	55.	89.	76.
13 8 43	98.	85.	91.	97.	91.	87.	LOW	98.	90.	59.	55.	90.	74.
13 48 48	95.	87.	90.	96.	89.	90.	LOW	82.	81.	48.	45.	78.	62.
13 8 53	97.	88.	90.	97.	89.	90.	LOW	77.	78.	45.	42.	76.	62.
13 8 58	103.	96.	90.	97.	88.	90.	LOW	84.	86.	54.	55.	88.	74.
13 9 3	101.	92.	90.	96.	88.	90.	LOW	79.	80.	47.	49.	83.	68.
13 9 13	105.	98.	90.	97.	91.	90.	LOW	81.	85.	52.	52.	87.	73.
13 9 18	99.	92.	91.	97.	91.	90.	LOW	79.	80.	48.	46.	81.	66.
13 9 23	104.	103.	90.	100.	89.	89.	LOW	87.	79.	55.	54.	88.	74.
13 9 28	104.	100.	89.	98.	90.	90.	LOW	88.	84.	55.	54.	89.	73.
13 9 28	93.	93.	90.	99.	89.	88.	LOW	76.	77.	46.	42.	75.	64.
13 9 33	100.	94.	89.	98.	90.	90.	LOW	82.	84.	51.	49.	83.	69.
13 9 38	99.	99.	90.	101.	90.	90.	LOW	87.	79.	56.	52.	87.	71.
13 9 43	100.	97.	90.	102.	89.	89.	LOW	87.	82.	55.	47.	87.	70.
13 49 48	107.	97.	90.	96.	91.	90.	LOW	90.	84.	52.	46.	87.	71.
13 9 53	101.	93.	91.	97.	89.	88.	LOW	75.	77.	45.	44.	79.	66.
13 9 59	109.	97.	89.	97.	90.	90.	LOW	80.	91.	53.	53.	90.	73.
13 10 4	109.	98.	88.	97.	92.	91.	LOW	81.	83.	52.	52.	87.	72.
13 10 9	103.	98.	91.	102.	87.	88.	LOW	88.	88.	52.	50.	85.	70.
13 10 22	105.	98.	91.	100.	89.	89.	LOW	84.	88.	51.	47.	86.	70.
13 10 19	106.	102.	86.	99.	90.	87.	LOW	83.	87.	56.	53.	90.	74.
13 10 24	105.	101.	86.	101.	90.	88.	LOW	84.	88.	53.	52.	88.	73.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CAOC	EC 74 MAX COMP UNT
11 4													
13 10 29	100.	94.	91.	98.	90.	90.	LOW	85.	74.	50.	47.	84.	68.
13 10 34	97.	92.	91.	99.	90.	89.	LOW	83.	77.	49.	45.	82.	66.
13 10 39	101.	95.	91.	100.	90.	90.	LOW	84.	81.	46.	45.	82.	68.
13 10 44	105.	98.	90.	98.	89.	86.	LOW	79.	80.	46.	45.	81.	67.
13 10 49	106.	99.	88.	99.	87.	89.	LOW	80.	79.	50.	48.	85.	70.
13 10 54	110.	99.	87.	98.	89.	89.	LOW	77.	79.	47.	44.	82.	67.
13 11 43	101.	96.	95.	97.	88.	89.	LOW	74.	76.	39.	40.	76.	63.
13 51 48	98.	92.	92.	97.	88.	89.	LOW	77.	75.	42.	43.	78.	67.
13 51 58	101.	96.	93.	99.	84.	86.	LOW	78.	77.	46.	45.	80.	71.
13 12 3	100.	94.	92.	99.	87.	87.	LOW	77.	78.	45.	43.	79.	69.
13 12 3	103.	97.	91.	100.	88.	88.	LOW	75.	73.	45.	44.	80.	71.
13 52 8	105.	100.	91.	101.	88.	87.	LOW	76.	80.	45.	44.	80.	71.
13 12 13	106.	97.	88.	98.	90.	86.	LOW	73.	79.	45.	42.	77.	69.
13 12 18	105.	100.	89.	95.	89.	87.	LOW	75.	78.	47.	42.	78.	71.
13 12 28	100.	97.	91.	95.	89.	88.	LOW	80.	83.	48.	47.	76.	71.
13 12 33	103.	96.	90.	95.	90.	88.	LOW	76.	80.	45.	44.	75.	69.
13 12 38	117.	103.	89.	98.	90.	88.	LOW	72.	79.	43.	42.	78.	66.
13 12 38	112.	101.	89.	97.	89.	88.	LOW	73.	78.	42.	41.	77.	65.
13 12 43	107.	99.	92.	102.	87.	88.	LOW	76.	79.	44.	42.	78.	69.
13 52 48	109.	101.	90.	101.	88.	87.	LOW	74.	78.	41.	42.	77.	67.
13 12 53	108.	104.	89.	97.	87.	86.	LOW	73.	77.	42.	37.	76.	64.
13 12 58	108.	101.	90.	97.	87.	87.	LOW	73.	76.	42.	40.	77.	65.
13 13 3	103.	97.	91.	100.	88.	86.	LOW	74.	75.	43.	42.	76.	67.
13 13 9	101.	98.	93.	101.	85.	86.	LOW	74.	76.	43.	43.	77.	68.
13 13 14	106.	101.	91.	102.	90.	87.	LOW	76.	78.	48.	42.	77.	71.
13 13 19	111.	101.	90.	100.	90.	87.	LOW	73.	78.	45.	41.	77.	68.
13 13 24	107.	103.	88.	97.	87.	86.	LOW	74.	66.	44.	42.	75.	67.
13 13 29	107.	99.	89.	97.	91.	86.	LOW	74.	72.	43.	42.	76.	65.
13 13 34	115.	104.	89.	98.	88.	88.	LOW	69.	76.	39.	39.	73.	63.
13 13 39	112.	103.	89.	98.	88.	87.	LOW	71.	75.	42.	40.	74.	64.
13 13 44	119.	107.	84.	98.	89.	84.	LOW	71.	77.	42.	40.	76.	65.
13 13 49	115.	106.	88.	100.	88.	85.	LOW	73.	78.	43.	43.	77.	66.
13 13 54	112.	107.	87.	103.	91.	88.	LOW	73.	78.	45.	40.	76.	53.
13 13 59	115.	106.	87.	100.	90.	88.	LOW	71.	76.	43.	39.	75.	59.
13 14 4	108.	103.	90.	96.	85.	90.	LOW	73.	77.	43.	37.	76.	65.
13 14 9	108.	102.	90.	97.	87.	86.	LOW	72.	74.	43.	39.	75.	67.
13 14 14	110.	107.	87.	95.	89.	87.	LOW	63.	78.	43.	41.	74.	66.
13 14 19	115.	107.	88.	99.	89.	86.	LOW	68.	78.	44.	41.	75.	67.
13 14 24	113.	112.	86.	101.	88.	88.	LOW	74.	76.	40.	44.	74.	66.
13 14 34	115.	109.	89.	101.	88.	87.	LOW	73.	78.	42.	43.	75.	66.
13 14 34	105.	106.	86.	95.	89.	86.	LOW	69.	78.	43.	40.	75.	63.
13 14 39	110.	105.	91.	98.	89.	87.	LOW	70.	78.	42.	41.	76.	64.
13 14 44	105.	97.	89.	99.	89.	85.	LOW	74.	76.	44.	40.	77.	67.
13 14 49	110.	107.	89.	100.	89.	85.	LOW	72.	78.	44.	41.	76.	67.
13 14 54	112.	107.	91.	103.	87.	85.	LOW	72.	77.	42.	41.	76.	65.
13 15 4	109.	103.	93.	101.	87.	86.	LOW	71.	75.	40.	39.	74.	64.
13 15 9	110.	103.	88.	95.	90.	87.	LOW	71.	76.	42.	42.	77.	63.
13 15 14	111.	105.	87.	97.	89.	86.	LOW	71.	75.	42.	41.	76.	65.
13 15 19	119.	112.	88.	99.	87.	86.	LOW	73.	75.	44.	44.	77.	68.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 JOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
13 15 19	114.	104.	90.	98.	87.	86.	LOW	71.	75.	42.	42.	75.	67.
13 15 24	105.	103.	90.	98.	89.	86.	LOW	71.	76.	44.	43.	74.	65.
13 15 29	111.	107.	87.	96.	88.	85.	LOW	69.	76.	43.	43.	75.	65.
13 15 34	103.	105.	91.	99.	88.	85.	LOW	68.	72.	40.	40.	72.	65.
13 15 39	109.	105.	89.	98.	85.	86.	LOW	69.	74.	40.	41.	74.	65.
13 15 44	113.	107.	88.	95.	88.	86.	LOW	69.	74.	40.	42.	74.	64.
13 15 50	111.	106.	89.	95.	87.	85.	LOW	69.	74.	40.	42.	75.	64.
13 15 55	117.	113.	88.	97.	87.	88.	LOW	68.	75.	39.	40.	74.	64.
13 16 0	116.	113.	86.	97.	87.	87.	LOW	70.	77.	41.	43.	76.	66.
13 16 5	117.	112.	88.	98.	87.	85.	LOW	69.	75.	42.	42.	78.	65.
13 16 10	113.	105.	91.	98.	87.	86.	LOW	69.	76.	41.	42.	72.	66.
13 16 15	121.	112.	88.	99.	86.	87.	LOW	72.	78.	44.	44.	74.	67.
13 16 20	118.	111.	89.	108.	89.	88.	LOW	71.	77.	41.	42.	74.	66.
13 16 25	116.	110.	86.	94.	89.	87.	LOW	69.	77.	46.	42.	76.	69.
13 16 30	116.	113.	86.	97.	89.	86.	LOW	69.	75.	45.	41.	75.	67.
13 16 35	105.	103.	91.	101.	88.	85.	LOW	67.	72.	40.	40.	69.	64.
13 16 40	108.	104.	88.	98.	86.	86.	LOW	69.	74.	40.	41.	71.	63.
13 16 53	108.	101.	91.	100.	88.	84.	LOW	53.	73.	43.	42.	74.	66.
13 16 50	112.	105.	88.	99.	88.	84.	LOW	61.	73.	43.	43.	74.	66.
13 56 55	117.	106.	88.	96.	87.	86.	LOW	67.	74.	39.	43.	74.	63.
13 17 0	119.	108.	87.	93.	88.	86.	LOW	67.	74.	41.	44.	75.	65.
13 17 10	111.	108.	91.	103.	88.	84.	LOW	69.	74.	43.	40.	78.	63.
13 17 10	106.	106.	91.	101.	87.	84.	LOW	69.	72.	42.	41.	78.	65.
13 17 15	117.	114.	88.	99.	88.	84.	LOW	65.	76.	46.	44.	75.	68.
13 17 20	117.	112.	87.	98.	88.	85.	LOW	67.	74.	45.	44.	75.	68.
13 17 25	118.	112.	84.	99.	87.	84.	LOW	69.	68.	45.	37.	72.	63.
13 17 30	116.	108.	87.	99.	87.	84.	LOW	66.	68.	41.	39.	71.	63.
13 17 40	116.	114.	86.	97.	88.	84.	LOW	65.	67.	42.	44.	74.	67.
13 17 45	117.	113.	86.	96.	88.	85.	LOW	68.	71.	43.	45.	75.	68.
13 17 50	111.	110.	89.	98.	84.	85.	LOW	65.	69.	35.	40.	53.	67.
13 17 55	116.	118.	88.	98.	86.	85.	LOW	65.	66.	39.	36.	63.	66.
13 17 55	117.	111.	90.	102.	86.	87.	LOW	72.	75.	46.	48.	75.	67.
13 18 0	114.	108.	92.	101.	87.	86.	LOW	69.	73.	42.	43.	72.	65.
13 18 5	106.	105.	91.	100.	89.	85.	LOW	69.	71.	40.	42.	73.	63.
13 18 10	110.	107.	92.	102.	88.	85.	LOW	69.	72.	41.	40.	72.	63.
13 18 15	116.	108.	89.	95.	87.	86.	LOW	65.	73.	39.	43.	73.	63.
13 18 20	116.	106.	88.	94.	88.	86.	LOW	65.	74.	41.	42.	74.	64.
13 18 26	110.	107.	91.	103.	88.	84.	LOW	67.	70.	42.	40.	69.	63.
13 18 31	117.	110.	90.	100.	88.	85.	LOW	68.	73.	43.	42.	73.	64.
13 18 36	117.	108.	93.	101.	88.	85.	LOW	69.	78.	42.	42.	73.	64.
13 18 41	116.	107.	92.	101.	88.	85.	LOW	70.	80.	44.	42.	74.	64.
13 18 46	120.	105.	84.	95.	88.	85.	LOW	65.	73.	47.	44.	76.	67.
13 18 51	117.	105.	87.	97.	88.	86.	LOW	64.	71.	41.	41.	74.	65.
13 18 56	111.	108.	91.	101.	88.	84.	LOW	71.	74.	48.	44.	73.	65.
13 19 1	114.	111.	88.	101.	85.	83.	LOW	69.	74.	47.	44.	73.	65.
13 19 6	107.	103.	87.	99.	88.	83.	LOW	61.	67.	37.	37.	67.	58.
13 19 11	110.	106.	90.	101.	87.	83.	LOW	64.	69.	39.	40.	66.	60.
13 19 16	108.	106.	93.	103.	87.	83.	LOW	65.	71.	38.	37.	69.	63.
13 19 21	113.	111.	92.	99.	87.	84.	LOW	65.	75.	40.	40.	71.	64.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
13 22 24	121.	114.	93.	100.	86.	84.	LOW	64.	70.	48.	41.	69.	63.
13 22 29	121.	111.	91.	102.	87.	82.	LOW	65.	70.	52.	50.	70.	64.
13 22 34	119.	103.	88.	95.	85.	86.	LOW	62.	67.	61.	60.	73.	65.
13 22 34	116.	102.	91.	99.	86.	86.	LOW	63.	69.	61.	59.	71.	64.
13 22 39	117.	103.	86.	95.	88.	86.	LOW	63.	69.	64.	58.	73.	65.
13 22 44	114.	100.	88.	97.	89.	85.	LOW	65.	69.	65.	59.	73.	65.
13 22 49	120.	107.	86.	95.	89.	86.	LOW	67.	71.	69.	58.	75.	69.
13 22 54	120.	106.	85.	92.	89.	86.	LOW	68.	71.	69.	61.	75.	68.
13 22 59	112.	98.	88.	99.	88.	84.	LOW	69.	70.	67.	59.	71.	66.
13 23 4	112.	101.	89.	100.	89.	84.	LOW	69.	68.	67.	60.	70.	66.
13 23 10	111.	101.	90.	102.	89.	84.	LOW	69.	69.	69.	61.	71.	65.
13 23 15	116.	102.	88.	100.	88.	85.	LOW	63.	66.	69.	59.	71.	66.
13 23 20	127.	108.	79.	96.	88.	84.	LOW	71.	63.	68.	65.	72.	65.
13 23 25	111.	103.	88.	97.	87.	85.	LOW	70.	67.	69.	63.	71.	65.
13 23 30	117.	103.	86.	96.	89.	85.	LOW	72.	67.	69.	62.	73.	65.
13 23 35	119.	106.	86.	99.	89.	82.	LOW	72.	69.	78.	62.	71.	66.
13 23 40	123.	108.	88.	96.	87.	87.	LOW	73.	72.	69.	65.	74.	65.
13 23 45	116.	104.	89.	98.	88.	84.	LOW	68.	73.	66.	64.	70.	65.
13 23 50	120.	106.	90.	103.	87.	85.	LOW	73.	69.	69.	62.	71.	67.
13 23 55	117.	103.	89.	100.	88.	86.	LOW	73.	67.	78.	62.	73.	66.
13 24 0	121.	116.	86.	103.	90.	82.	LOW	75.	71.	71.	65.	73.	66.
13 24 5	113.	108.	89.	102.	89.	83.	LOW	75.	70.	72.	59.	74.	65.
13 24 10	118.	108.	90.	101.	87.	85.	LOW	75.	69.	71.	66.	67.	67.
13 24 15	117.	106.	90.	101.	88.	86.	LOW	75.	69.	69.	64.	69.	65.
13 24 20	119.	106.	88.	103.	90.	82.	LOW	76.	71.	73.	63.	72.	67.
13 24 25	119.	106.	90.	103.	88.	83.	LOW	76.	70.	72.	64.	72.	66.
13 24 30	123.	105.	86.	95.	87.	86.	LOW	76.	72.	71.	66.	74.	67.
13 24 35	118.	102.	88.	98.	87.	83.	LOW	76.	72.	78.	66.	73.	67.
13 24 40	121.	106.	91.	102.	85.	85.	LOW	80.	69.	69.	65.	74.	67.
13 24 50	119.	104.	91.	101.	87.	86.	LOW	78.	72.	69.	64.	73.	67.
13 24 55	120.	107.	84.	97.	88.	82.	LOW	74.	68.	69.	58.	73.	64.
13 25 0	122.	106.	85.	97.	88.	84.	LOW	75.	70.	68.	61.	73.	65.
13 25 5	119.	100.	90.	96.	86.	86.	LOW	76.	68.	68.	63.	73.	66.
13 25 10	116.	102.	88.	96.	87.	86.	LOW	77.	69.	70.	63.	74.	67.
13 25 15	118.	106.	87.	104.	86.	83.	LOW	80.	72.	74.	64.	73.	69.
13 25 23	116.	105.	88.	102.	86.	84.	LOW	78.	69.	70.	63.	72.	68.
13 25 20	129.	106.	85.	95.	87.	84.	LOW	80.	68.	71.	64.	74.	69.
13 25 25	133.	108.	89.	98.	87.	84.	LOW	82.	71.	71.	66.	76.	70.
13 25 30	146.	108.	90.	102.	87.	86.	LOW	81.	69.	67.	63.	74.	65.
13 25 35	140.	106.	90.	100.	87.	87.	LOW	81.	70.	67.	63.	73.	65.
13 25 40	123.	115.	85.	95.	90.	86.	LOW	80.	71.	71.	62.	73.	67.
13 25 46	121.	115.	88.	99.	87.	85.	LOW	81.	71.	70.	60.	73.	67.
13 25 51	127.	115.	86.	96.	86.	86.	LOW	81.	73.	66.	64.	71.	66.
13 25 56	126.	115.	87.	97.	87.	85.	LOW	82.	73.	68.	64.	73.	66.
13 26 1	117.	105.	90.	101.	90.	84.	LOW	81.	63.	69.	59.	71.	67.
13 26 6	123.	109.	88.	100.	88.	84.	LOW	80.	65.	68.	59.	72.	66.
13 26 11	123.	102.	90.	99.	85.	85.	LOW	80.	74.	71.	66.	77.	69.
13 26 16	130.	109.	88.	100.	87.	84.	LOW	84.	70.	69.	59.	73.	66.
13 26 21	137.	110.	92.	95.	87.	86.	LOW	80.	71.	64.	61.	73.	67.

TIME H/M/S	SF 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC OT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
13 26 26	140.	115.	90.	96.	87.	85.	LOW	81.	69.	66.	60.	72.	65.
13 26 31	134.	117.	88.	98.	85.	84.	LOW	84.	69.	69.	56.	73.	69.
13 26 36	134.	122.	87.	99.	85.	85.	LOW	84.	70.	69.	59.	74.	68.
13 26 41	116.	124.	88.	103.	90.	83.	LOW	79.	72.	69.	62.	73.	67.
13 26 46	116.	122.	90.	99.	89.	83.	LOW	83.	72.	69.	63.	75.	68.
13 49 8	114.	106.	87.	103.	86.	80.	LOW	95.	72.	62.	56.	73.	71.
13 49 13	117.	108.	87.	100.	86.	81.	LOW	90.	70.	57.	53.	72.	70.
13 49 18	116.	105.	86.	97.	84.	80.	LOW	90.	65.	57.	52.	68.	66.
13 49 23	116.	106.	86.	100.	85.	80.	LOW	93.	68.	60.	54.	71.	69.
13 49 28	116.	102.	90.	101.	84.	82.	LOW	89.	67.	52.	49.	66.	61.
13 49 33	116.	104.	89.	101.	84.	82.	LOW	87.	65.	51.	47.	64.	61.
13 49 38	123.	116.	86.	103.	85.	80.	LOW	91.	69.	63.	54.	78.	69.
13 49 43	120.	107.	89.	101.	85.	82.	LOW	92.	70.	59.	53.	76.	69.
13 49 48	114.	101.	88.	101.	91.	80.	LOW	93.	67.	54.	50.	68.	64.
13 49 58	127.	105.	87.	98.	89.	80.	LOW	94.	71.	58.	53.	72.	69.
13 50 3	119.	104.	88.	99.	85.	83.	LOW	84.	65.	44.	45.	64.	57.
13 50 8	117.	104.	88.	100.	85.	82.	LOW	86.	64.	48.	45.	65.	61.
13 50 13	117.	103.	86.	98.	86.	82.	LOW	74.	65.	42.	44.	53.	61.
13 50 18	121.	109.	87.	98.	85.	82.	LOW	79.	67.	47.	48.	62.	65.
13 50 18	121.	112.	84.	101.	86.	80.	LOW	80.	62.	48.	47.	66.	65.
13 50 23	123.	115.	86.	101.	85.	81.	LOW	82.	65.	49.	47.	57.	66.
13 50 28	121.	110.	84.	101.	86.	78.	LOW	74.	65.	42.	49.	69.	65.
13 50 33	121.	107.	94.	99.	96.	80.	LOW	77.	66.	45.	47.	68.	63.
13 50 38	123.	111.	85.	101.	85.	82.	LOW	86.	74.	52.	51.	74.	67.
13 50 43	121.	111.	87.	102.	89.	82.	LOW	88.	72.	53.	51.	74.	68.
13 50 48	125.	113.	84.	101.	87.	80.	LOW	92.	69.	48.	51.	70.	69.
13 50 54	124.	111.	85.	100.	87.	81.	LOW	82.	68.	50.	51.	72.	66.
13 50 59	121.	108.	84.	115.	84.	81.	LOW	81.	75.	56.	54.	76.	72.
13 51 4	120.	105.	86.	102.	85.	81.	LOW	84.	69.	50.	47.	71.	66.
13 51 9	116.	106.	86.	98.	84.	82.	LOW	80.	66.	44.	44.	67.	59.
13 51 14	120.	109.	84.	99.	85.	81.	LOW	80.	66.	48.	47.	70.	64.
13 51 19	123.	110.	84.	97.	85.	79.	LOW	88.	80.	55.	55.	79.	73.
13 51 24	124.	112.	85.	99.	85.	80.	LOW	86.	76.	54.	54.	77.	74.
13 51 29	112.	103.	88.	101.	85.	80.	LOW	85.	70.	50.	46.	72.	68.
14 3 13	118.	105.	88.	101.	85.	80.	LOW	72.	66.	47.	45.	70.	67.
14 3 18	124.	114.	83.	103.	87.	81.	LOW	62.	64.	47.	46.	71.	67.
14 3 23	120.	105.	87.	99.	85.	80.	LOW	57.	56.	40.	41.	66.	62.
14 3 33	113.	103.	90.	102.	84.	79.	LOW	51.	52.	37.	39.	59.	59.
14 3 38	116.	105.	89.	102.	83.	79.	LOW	54.	55.	39.	39.	60.	61.
14 3 43	117.	101.	90.	99.	84.	79.	LOW	55.	56.	35.	40.	61.	58.
14 3 43	111.	102.	90.	99.	84.	80.	LOW	56.	57.	38.	40.	61.	59.
14 43 48	124.	114.	84.	103.	84.	79.	LOW	61.	67.	51.	50.	75.	74.
14 3 53	118.	108.	86.	101.	85.	80.	LOW	60.	64.	46.	46.	71.	70.
14 43 58	115.	105.	88.	101.	84.	76.	LOW	54.	55.	37.	40.	63.	62.
14 4 3	117.	105.	87.	98.	85.	78.	LOW	52.	57.	39.	39.	63.	62.
14 4 8	121.	112.	86.	103.	84.	79.	LOW	60.	61.	47.	43.	69.	65.
14 4 14	121.	111.	89.	102.	84.	79.	LOW	60.	61.	45.	43.	68.	64.
14 4 19	121.	117.	90.	105.	85.	80.	LOW	63.	65.	47.	46.	71.	69.
14 4 24	122.	118.	89.	104.	84.	80.	LOW	61.	63.	46.	47.	71.	69.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CABC	EC 74 NAX COMP UNT
14 4 29	117.	114.	90.	100.	86.	79.	LOW	53.	61.	44.	42.	67.	66.
14 4 34	125.	117.	88.	100.	85.	80.	LOW	53.	60.	44.	41.	67.	64.
14 4 39	117.	110.	86.	98.	82.	78.	LOW	56.	59.	42.	40.	65.	67.
14 4 44	120.	109.	86.	97.	84.	58.	LOW	56.	60.	40.	41.	67.	64.
14 4 49	131.	111.	86.	99.	85.	58.	LOW	55.	63.	48.	44.	69.	68.
14 4 54	124.	104.	86.	98.	86.	80.	LOW	52.	59.	37.	40.	66.	64.
14 4 59	130.	117.	86.	99.	82.	80.	LOW	54.	59.	37.	40.	63.	63.
14 5 4	127.	113.	85.	98.	84.	80.	LOW	54.	57.	39.	37.	64.	60.
14 5 9	122.	110.	84.	99.	86.	76.	LOW	55.	55.	40.	39.	61.	62.
14 5 14	127.	112.	85.	98.	86.	78.	LOW	54.	57.	48.	39.	63.	62.
14 5 19	119.	108.	90.	97.	84.	90.	LOW	59.	61.	42.	43.	69.	67.
14 5 24	118.	105.	88.	97.	84.	80.	LOW	58.	61.	43.	43.	69.	66.
14 5 29	124.	107.	87.	97.	74.	74.	LOW	57.	60.	40.	42.	66.	61.
14 5 39	120.	112.	86.	98.	80.	76.	LOW	56.	58.	40.	40.	65.	62.
14 5 39	124.	108.	84.	97.	87.	90.	LOW	51.	56.	37.	33.	63.	59.
14 5 44	122.	108.	86.	97.	85.	80.	LOW	54.	58.	41.	37.	65.	63.
14 5 49	124.	109.	84.	99.	86.	79.	LOW	56.	60.	41.	39.	66.	63.
14 5 54	126.	113.	85.	101.	85.	79.	LOW	59.	62.	42.	42.	68.	65.
14 5 59	116.	106.	86.	100.	85.	81.	LOW	55.	56.	37.	35.	60.	58.
14 6 9	117.	110.	84.	102.	89.	80.	LOW	57.	57.	40.	38.	62.	61.
14 6 14	125.	112.	84.	95.	86.	80.	LOW	58.	58.	40.	40.	65.	65.
14 6 19	125.	116.	82.	97.	85.	80.	LOW	52.	58.	42.	41.	67.	67.
14 6 19	121.	106.	87.	95.	88.	82.	LOW	47.	54.	34.	35.	58.	58.
14 6 24	117.	106.	87.	98.	86.	79.	LOW	52.	57.	39.	36.	62.	56.
14 16 29	123.	110.	85.	101.	82.	78.	LOW	48.	56.	41.	40.	64.	65.
14 14 36	120.	106.	87.	102.	83.	79.	LOW	49.	54.	42.	40.	63.	62.
14 14 41	121.	108.	94.	102.	82.	80.	LOW	58.	59.	52.	54.	71.	69.
14 14 46	123.	111.	88.	100.	85.	79.	LOW	51.	57.	50.	52.	78.	68.
14 14 51	115.	105.	88.	101.	84.	79.	LOW	57.	59.	53.	50.	69.	66.
14 15 1	113.	102.	87.	100.	85.	80.	LOW	51.	54.	46.	43.	65.	61.
14 15 6	128.	111.	85.	99.	85.	80.	LOW	42.	56.	46.	48.	69.	67.
14 15 11	127.	111.	85.	99.	85.	80.	LOW	49.	60.	48.	51.	72.	69.
14 15 11	119.	103.	88.	97.	84.	81.	LOW	50.	58.	48.	44.	61.	59.
14 15 16	122.	108.	87.	100.	84.	80.	LOW	55.	56.	48.	50.	67.	65.
14 15 21	127.	112.	86.	97.	85.	80.	LOW	48.	58.	48.	52.	69.	67.
14 15 26	119.	107.	87.	99.	84.	80.	LOW	51.	57.	47.	52.	66.	64.
14 15 31	113.	103.	87.	102.	82.	80.	LOW	59.	52.	44.	41.	60.	60.
14 15 36	118.	105.	88.	102.	83.	80.	LOW	53.	54.	47.	46.	65.	63.
14 15 42	118.	107.	89.	103.	85.	79.	LOW	59.	60.	54.	52.	72.	69.
14 15 47	120.	108.	88.	100.	84.	80.	LOW	53.	57.	50.	50.	69.	68.
14 15 52	123.	106.	79.	97.	85.	80.	LOW	50.	53.	47.	44.	65.	63.
14 17 19	113.	103.	83.	97.	85.	80.	LOW	46.	52.	44.	43.	63.	62.
14 17 24	118.	114.	86.	97.	86.	80.	LOW	55.	55.	46.	47.	68.	67.
14 17 29	116.	106.	88.	97.	84.	81.	LOW	50.	55.	47.	48.	68.	66.
14 17 34	125.	111.	84.	101.	87.	80.	LOW	55.	58.	52.	50.	71.	68.
14 17 39	119.	108.	85.	100.	87.	79.	LOW	53.	55.	48.	48.	67.	65.
14 17 44	128.	110.	84.	101.	84.	79.	LOW	46.	52.	44.	44.	64.	64.
14 17 54	127.	110.	84.	102.	86.	76.	LOW	49.	55.	48.	46.	66.	66.
14 17 59	128.	113.	84.	104.	84.	80.	LOW	52.	53.	46.	45.	65.	63.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS UP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 MAX COMP UNT
11													
14 18 4	121.	106.	86.	101.	84.	81.	LOW	53.	54.	47.	46.	65.	62.
14 18 4	116.	101.	90.	97.	84.	82.	LOW	54.	55.	45.	48.	66.	63.
14 18 9	115.	105.	88.	100.	84.	80.	LOW	55.	55.	50.	50.	69.	66.
14 18 14	121.	115.	84.	103.	85.	81.	LOW	50.	55.	48.	48.	67.	66.
14 18 19	121.	114.	84.	101.	85.	80.	LOW	52.	55.	50.	49.	68.	68.
14 32 7	112.	91.	83.	95.	83.	79.	LOW	50.	58.	50.	56.	72.	66.
14 32 13	115.	96.	85.	97.	85.	79.	LOW	49.	54.	51.	49.	68.	63.
14 32 18	119.	102.	87.	97.	86.	81.	LOW	50.	53.	48.	48.	64.	61.
14 32 23	120.	104.	87.	96.	85.	81.	LOW	52.	55.	49.	51.	66.	63.
14 32 28	127.	109.	87.	95.	78.	82.	LOW	48.	59.	52.	53.	68.	63.
14 32 33	127.	108.	87.	97.	81.	83.	LOW	49.	55.	46.	50.	63.	59.
14 32 39	125.	108.	87.	97.	82.	81.	LOW	54.	57.	52.	54.	67.	65.
14 32 44	124.	107.	87.	98.	84.	80.	LOW	52.	55.	49.	51.	64.	63.
14 32 49	123.	107.	87.	98.	84.	80.	LOW	52.	59.	48.	49.	63.	59.
14 32 54	123.	107.	87.	98.	84.	81.	LOW	53.	57.	49.	48.	61.	60.
14 32 59	123.	106.	86.	99.	82.	82.	LOW	54.	53.	49.	48.	61.	58.
14 33 4	122.	106.	85.	98.	83.	81.	LOW	53.	54.	46.	48.	61.	58.
14 33 9	118.	106.	88.	98.	83.	81.	LOW	53.	53.	48.	48.	58.	59.
14 33 14	119.	106.	88.	98.	83.	80.	LOW	53.	53.	48.	48.	59.	59.

C COMMUTATOR

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 OOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
13 1 1	84.	92.	86.	74.	90.	89.	84.	88.	99.	848.	90.	86.	88.
13 1 12	83.	93.	85.	81.	89.	89.	98.	87.	95.	*000000.	89.	87.	90.
13 1 17	84.	93.	84.	88.	87.	90.	101.	86.	93.	LCW	86.	89.	89.
13 1 22	82.	93.	86.	88.	85.	90.	99.	87.	95.	LOW	86.	88.	88.
13 1 27	84.	93.	86.	87.	88.	91.	100.	87.	95.	LCW	89.	88.	88.
13 1 32	84.	93.	86.	87.	87.	91.	93.	86.	95.	LCW	89.	88.	87.
13 1 32	79.	94.	85.	86.	88.	89.	97.	88.	91.	LOW	90.	87.	89.
13 1 38	82.	93.	85.	87.	87.	89.	89.	87.	93.	LOW	89.	88.	87.
13 41 48	83.	95.	85.	86.	89.	88.	88.	84.	93.	LCW	90.	86.	88.
13 1 53	83.	94.	84.	89.	90.	81.	90.	85.	94.	LCW	89.	85.	88.
13 41 58	84.	92.	85.	89.	88.	87.	88.	86.	98.	LCW	89.	86.	89.
13 41 58	85.	93.	86.	88.	85.	86.	83.	86.	97.	LOW	88.	87.	88.
13 2 3	84.	93.	88.	84.	91.	90.	94.	91.	90.	LOW	90.	74.	86.
13 42 8	84.	93.	85.	87.	91.	89.	100.	90.	91.	LOW	90.	79.	88.
13 2 13	83.	84.	84.	87.	87.	88.	87.	86.	94.	LCW	86.	87.	89.
13 2 18	84.	89.	85.	86.	88.	90.	91.	87.	95.	LOW	87.	88.	88.
13 2 23	84.	93.	87.	86.	90.	87.	93.	90.	89.	LOW	90.	88.	87.
13 4 6	84.	94.	86.	83.	90.	88.	88.	89.	92.	LCW	89.	87.	87.
13 4 11	84.	97.	84.	86.	88.	87.	103.	88.	86.	LCW	87.	85.	86.
13 4 11	81.	96.	82.	87.	88.	86.	101.	89.	85.	LCW	88.	85.	86.
13 4 16	85.	97.	80.	86.	86.	82.	87.	86.	90.	LOW	86.	85.	87.
13 4 21	82.	94.	79.	85.	85.	83.	90.	87.	87.	LCW	87.	85.	86.
13 4 26	79.	90.	78.	86.	87.	84.	102.	87.	85.	LOW	88.	82.	86.
13 4 31	78.	90.	80.	86.	86.	85.	103.	87.	87.	LCW	86.	78.	86.
13 4 44	81.	94.	81.	85.	87.	88.	89.	88.	92.	LCW	89.	86.	86.
13 4 42	82.	95.	81.	84.	87.	88.	87.	88.	91.	LCW	88.	85.	87.
13 4 47	76.	91.	80.	87.	86.	87.	93.	86.	87.	LCW	88.	84.	90.
13 4 52	75.	91.	79.	86.	86.	87.	88.	86.	86.	LCW	87.	86.	88.
13 4 65	84.	95.	81.	82.	87.	86.	89.	88.	92.	LOW	86.	83.	88.
13 5 2	79.	91.	80.	83.	87.	86.	93.	87.	92.	LOW	86.	84.	89.
13 5 7	78.	92.	82.	88.	90.	87.	91.	87.	87.	LOW	88.	84.	90.
13 5 12	77.	91.	81.	87.	87.	87.	90.	87.	88.	LOW	87.	85.	90.
13 5 17	81.	94.	82.	88.	88.	88.	103.	88.	88.	LOW	88.	82.	88.
13 5 22	80.	93.	81.	87.	87.	88.	95.	87.	87.	LOW	86.	84.	88.
13 5 27	73.	90.	84.	88.	86.	90.	90.	85.	93.	LCW	86.	86.	87.
13 5 32	74.	89.	84.	86.	86.	89.	87.	85.	91.	LCW	86.	87.	88.
13 5 37	81.	94.	84.	86.	88.	91.	103.	87.	87.	LCW	87.	86.	87.
13 5 42	82.	95.	83.	86.	85.	89.	99.	87.	89.	LOW	88.	86.	86.
13 5 47	78.	88.	82.	84.	88.	86.	88.	87.	91.	LCW	88.	84.	86.
13 5 52	79.	91.	81.	84.	89.	85.	95.	86.	86.	LOW	88.	83.	86.
13 5 57	80.	90.	79.	85.	88.	91.	100.	88.	96.	LOW	86.	82.	87.
13 6 7	76.	88.	79.	86.	88.	81.	98.	86.	88.	LCW	87.	83.	86.
13 6 7	81.	93.	78.	85.	86.	79.	96.	86.	97.	LOW	86.	82.	88.
13 6 12	80.	92.	78.	84.	87.	82.	99.	88.	92.	LCW	88.	84.	87.
13 6 17	78.	86.	80.	85.	85.	84.	90.	86.	94.	LOW	86.	87.	85.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 OOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MOD	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
13 6 22	75.	90.	81.	84.	85.	64.	94.	85.	89.	LOW	85.	85.	85.
13 6 27	69.	86.	80.	82.	89.	79.	98.	87.	94.	LOW	89.	84.	86.
13 6 37	70.	85.	77.	84.	87.	81.	91.	85.	93.	LOW	87.	85.	86.
13 6 42	86.	99.	76.	83.	84.	61.	102.	87.	88.	LOW	86.	82.	84.
13 6 47	88.	99.	77.	84.	84.	61.	103.	85.	89.	LOW	85.	83.	85.
13 6 47	78.	88.	75.	84.	88.	78.	98.	88.	81.	LOW	88.	80.	85.
13 6 52	74.	86.	74.	84.	86.	80.	89.	87.	87.	LOW	87.	83.	85.
13 6 57	66.	81.	80.	79.	84.	82.	98.	86.	82.	LOW	84.	84.	84.
13 7 2	67.	80.	77.	83.	84.	80.	94.	86.	85.	LOW	82.	82.	84.
13 7 7	79.	88.	76.	86.	82.	76.	95.	86.	84.	LOW	82.	81.	85.
13 7 12	83.	93.	77.	82.	82.	77.	94.	85.	82.	LOW	84.	81.	83.
13 7 18	85.	102.	76.	79.	82.	79.	93.	87.	84.	LOW	85.	76.	82.
13 7 23	80.	96.	76.	82.	82.	79.	96.	86.	79.	LOW	84.	78.	82.
13 7 28	67.	85.	77.	81.	84.	80.	87.	88.	84.	LOW	87.	82.	84.
13 7 33	72.	88.	76.	82.	85.	79.	94.	89.	83.	LOW	86.	80.	83.
13 7 38	66.	83.	75.	85.	84.	78.	91.	84.	87.	LOW	84.	81.	87.
13 7 43	73.	89.	77.	84.	83.	80.	91.	84.	91.	LOW	84.	82.	86.
13 7 48	74.	89.	77.	82.	84.	82.	92.	85.	79.	LOW	82.	83.	82.
13 7 53	82.	94.	76.	83.	83.	91.	90.	84.	82.	LOW	82.	83.	83.
13 7 58	69.	84.	78.	83.	84.	80.	82.	85.	94.	LOW	84.	82.	82.
13 8 3	75.	91.	76.	83.	84.	77.	83.	86.	99.	LOW	85.	81.	84.
13 48 8	73.	88.	76.	82.	85.	80.	77.	84.	87.	LOW	88.	80.	85.
13 8 13	81.	94.	75.	82.	84.	79.	89.	84.	87.	LOW	84.	81.	85.
13 8 18	85.	102.	73.	82.	85.	76.	91.	88.	78.	LOW	85.	78.	88.
13 8 23	82.	94.	74.	82.	84.	77.	97.	87.	80.	LOW	83.	78.	82.
13 8 28	75.	88.	74.	84.	76.	76.	99.	85.	90.	LOW	82.	78.	84.
13 8 33	80.	91.	74.	84.	79.	75.	96.	85.	92.	LOW	81.	80.	84.
13 8 43	81.	92.	74.	80.	74.	77.	85.	87.	89.	LOW	86.	83.	81.
13 8 43	82.	94.	73.	82.	78.	75.	83.	86.	83.	LOW	85.	81.	83.
13 48 48	78.	83.	74.	81.	82.	77.	93.	86.	82.	LOW	85.	79.	82.
13 8 53	78.	84.	73.	82.	83.	75.	86.	86.	83.	LOW	85.	79.	82.
13 8 58	86.	95.	72.	84.	80.	74.	87.	82.	83.	LOW	81.	80.	83.
13 9 3	79.	90.	70.	81.	78.	74.	92.	83.	86.	LOW	80.	79.	84.
13 9 13	84.	98.	71.	81.	79.	74.	74.	86.	82.	LOW	82.	78.	83.
13 9 18	76.	90.	73.	81.	82.	75.	84.	86.	82.	LOW	84.	79.	82.
13 9 23	86.	97.	72.	82.	81.	75.	90.	82.	80.	LOW	80.	81.	82.
13 9 28	84.	95.	72.	82.	81.	74.	93.	83.	83.	LOW	80.	79.	83.
13 9 28	71.	84.	76.	82.	82.	77.	86.	84.	86.	LOW	82.	82.	82.
13 9 33	77.	90.	74.	82.	82.	75.	89.	84.	87.	LOW	82.	79.	83.
13 9 38	80.	94.	73.	80.	82.	74.	75.	85.	90.	LOW	83.	82.	80.
13 9 43	81.	92.	72.	81.	81.	74.	78.	84.	90.	LOW	81.	82.	81.
13 49 48	83.	97.	71.	81.	82.	71.	76.	85.	80.	LOW	79.	76.	82.
13 9 53	77.	90.	72.	81.	82.	73.	80.	85.	84.	LOW	80.	79.	81.
13 9 59	83.	97.	69.	81.	82.	71.	86.	85.	78.	LOW	82.	76.	82.
13 10 4	82.	97.	70.	81.	79.	71.	82.	84.	75.	LOW	82.	76.	82.
13 10 9	80.	92.	73.	80.	79.	74.	86.	82.	80.	LOW	82.	80.	82.
13 10 22	81.	94.	71.	81.	81.	72.	80.	84.	80.	LOW	82.	78.	83.
13 10 19	84.	97.	72.	80.	82.	74.	86.	86.	82.	LOW	83.	78.	80.
13 10 24	82.	95.	72.	81.	80.	74.	86.	84.	83.	LOW	82.	79.	81.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 78 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
13 10 29	77.	89.	69.	82.	80.	72.	84.	84.	82.	LCW	84.	78.	83.
13 10 34	74.	87.	71.	81.	81.	73.	87.	85.	88.	LCW	84.	78.	82.
13 10 39	78.	88.	72.	82.	79.	74.	84.	81.	79.	LCW	79.	82.	79.
13 10 44	76.	89.	71.	82.	78.	73.	83.	81.	83.	LOW	80.	81.	81.
13 10 49	80.	94.	69.	82.	81.	69.	86.	82.	84.	LCW	83.	78.	82.
13 10 54	79.	89.	69.	81.	81.	70.	84.	84.	83.	LOW	83.	77.	82.
13 11 43	73.	84.	71.	86.	78.	71.	84.	82.	86.	LOW	80.	77.	84.
13 51 48	74.	86.	68.	84.	75.	71.	81.	82.	85.	LCW	77.	77.	84.
13 51 58	74.	89.	71.	81.	78.	73.	84.	82.	89.	LOW	81.	78.	80.
13 12 3	73.	87.	70.	80.	79.	73.	86.	84.	81.	LCW	83.	77.	80.
13 12 3	78.	89.	72.	86.	76.	67.	91.	84.	74.	LOW	88.	79.	88.
13 52 8	78.	90.	78.	88.	75.	70.	88.	79.	81.	LOW	80.	75.	80.
13 12 13	74.	84.	68.	88.	74.	71.	90.	86.	79.	LCW	79.	74.	79.
13 12 18	76.	87.	69.	78.	75.	72.	87.	85.	83.	LOW	81.	75.	79.
13 12 28	78.	88.	69.	88.	79.	72.	77.	94.	88.	LOW	62.	77.	79.
13 12 83	72.	85.	69.	79.	80.	71.	76.	85.	88.	LCW	82.	76.	88.
13 12 38	75.	87.	65.	80.	80.	71.	94.	85.	84.	LOW	82.	74.	82.
13 12 38	72.	84.	64.	81.	77.	71.	89.	85.	88.	LCW	81.	75.	82.
13 12 43	77.	88.	53.	88.	74.	72.	95.	81.	84.	LCW	79.	77.	82.
13 52 48	76.	86.	62.	88.	76.	72.	86.	81.	83.	LOW	80.	77.	81.
13 12 53	70.	85.	78.	74.	88.	72.	96.	86.	77.	LCW	82.	76.	86.
13 12 58	73.	86.	68.	77.	77.	71.	91.	84.	81.	LCW	81.	76.	81.
13 13 3	74.	87.	69.	76.	79.	72.	93.	84.	78.	LOW	82.	77.	75.
13 13 9	75.	86.	70.	78.	77.	72.	86.	83.	80.	LCW	81.	77.	78.
13 13 14	76.	90.	69.	76.	80.	71.	84.	84.	88.	LOW	81.	77.	79.
13 13 19	75.	88.	66.	78.	79.	70.	82.	84.	89.	LOW	81.	75.	80.
13 13 24	73.	85.	66.	88.	75.	74.	74.	82.	84.	LOW	83.	79.	88.
13 13 29	73.	85.	68.	88.	77.	72.	78.	83.	86.	LOW	78.	77.	80.
13 13 34	75.	82.	66.	81.	74.	70.	83.	82.	87.	LOW	79.	76.	82.
13 13 39	75.	83.	68.	77.	75.	72.	81.	83.	84.	LOW	88.	77.	82.
13 13 44	74.	87.	67.	88.	74.	69.	91.	85.	78.	LCW	80.	73.	74.
13 13 49	75.	88.	65.	88.	74.	70.	92.	83.	79.	LOW	88.	74.	78.
13 13 54	74.	86.	69.	76.	78.	69.	78.	85.	86.	LOW	82.	76.	80.
13 13 59	73.	88.	67.	78.	78.	70.	88.	84.	86.	LCW	81.	74.	77.
13 14 4	76.	85.	65.	81.	75.	69.	74.	82.	88.	LCW	79.	74.	84.
13 14 9	73.	85.	67.	88.	77.	78.	82.	82.	87.	LOW	79.	76.	81.
13 14 14	74.	87.	65.	79.	79.	68.	82.	84.	80.	LOW	81.	73.	80.
13 14 19	74.	85.	66.	78.	78.	69.	86.	84.	83.	LOW	82.	74.	78.
13 14 24	76.	85.	64.	80.	74.	71.	94.	82.	84.	LOW	77.	74.	81.
13 14 34	75.	86.	64.	79.	75.	68.	88.	83.	84.	LOW	79.	73.	82.
13 14 34	73.	87.	65.	77.	80.	68.	82.	86.	76.	LOW	83.	73.	80.
13 14 39	73.	87.	65.	78.	73.	67.	83.	85.	80.	LOW	81.	72.	81.
13 14 44	71.	86.	67.	77.	77.	69.	74.	85.	88.	LCW	83.	74.	82.
13 14 49	72.	87.	68.	77.	76.	78.	75.	84.	85.	LOW	83.	74.	81.
13 14 54	74.	89.	68.	79.	74.	72.	84.	79.	87.	LOW	78.	76.	82.
13 15 4	73.	87.	66.	79.	75.	69.	84.	82.	83.	LCW	80.	75.	82.
13 15 9	72.	74.	67.	77.	77.	68.	84.	85.	87.	LOW	84.	73.	86.
13 15 14	74.	80.	65.	77.	75.	78.	84.	85.	82.	LCW	82.	74.	88.
13 15 19	75.	88.	64.	88.	74.	67.	86.	82.	87.	LCW	79.	76.	82.

I2

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H IFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 UNC	EC 85 CONVER BOTT	EC 86 MOD	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS PCM SUPP	EC 90 CONVER TOP
13 15 19	74.	87.	64.	88.	75.	66.	81.	83.	85.	LCM	79.	75.	83.
13 15 24	74.	88.	67.	76.	76.	53.	82.	85.	82.	LCM	82.	74.	86.
13 15 29	74.	87.	68.	75.	75.	52.	89.	84.	82.	LCM	81.	74.	81.
13 15 34	73.	84.	67.	88.	73.	58.	84.	79.	88.	LCM	80.	76.	79.
13 15 39	72.	85.	66.	80.	74.	57.	87.	81.	81.	LCM	80.	74.	81.
13 15 44	73.	88.	64.	78.	74.	56.	82.	82.	85.	LCM	74.	74.	85.
13 15 50	74.	88.	58.	79.	74.	57.	87.	92.	83.	LCM	76.	71.	85.
13 15 55	74.	88.	65.	79.	69.	67.	94.	84.	82.	LCM	82.	72.	82.
13 16 0	74.	84.	64.	79.	70.	57.	87.	84.	80.	LCM	81.	73.	83.
13 16 5	73.	86.	64.	80.	74.	57.	89.	82.	84.	LCM	77.	74.	83.
13 16 10	74.	85.	63.	80.	75.	57.	89.	83.	84.	LCM	79.	73.	82.
13 16 15	74.	86.	64.	76.	77.	53.	86.	85.	83.	LCM	81.	78.	83.
13 16 20	73.	86.	64.	77.	75.	55.	89.	84.	80.	LCM	80.	78.	83.
13 16 25	75.	87.	63.	76.	77.	65.	78.	96.	84.	LCM	80.	71.	79.
13 16 30	73.	88.	65.	75.	75.	58.	83.	85.	82.	LCM	80.	72.	79.
13 16 35	72.	85.	66.	76.	72.	59.	87.	82.	85.	LCM	78.	74.	82.
13 16 40	72.	86.	63.	77.	73.	58.	86.	82.	84.	LCM	79.	72.	83.
13 16 53	73.	89.	64.	74.	75.	66.	89.	96.	76.	LCM	77.	73.	78.
13 16 50	74.	90.	65.	74.	75.	58.	82.	85.	83.	LCM	78.	74.	80.
13 56 55	73.	86.	63.	79.	73.	57.	99.	84.	82.	LCM	76.	71.	82.
13 17 0	74.	88.	63.	77.	75.	66.	88.	84.	83.	LCM	80.	72.	82.
13 17 10	63.	86.	65.	74.	76.	57.	90.	84.	88.	LCM	80.	74.	79.
13 17 10	68.	87.	65.	75.	74.	55.	89.	84.	85.	LCM	80.	75.	77.
13 17 15	69.	88.	65.	75.	73.	59.	94.	86.	82.	LCM	80.	72.	81.
13 17 20	73.	91.	66.	75.	73.	59.	87.	84.	84.	LCM	79.	73.	81.
13 17 25	72.	87.	67.	76.	74.	58.	89.	84.	83.	LCM	78.	73.	81.
13 17 30	72.	86.	66.	76.	73.	58.	99.	83.	83.	LCM	78.	74.	81.
13 17 40	76.	90.	65.	74.	72.	58.	87.	82.	82.	LCM	78.	74.	80.
13 17 45	75.	89.	66.	74.	72.	58.	90.	83.	81.	LCM	78.	74.	80.
13 17 50	74.	88.	67.	76.	71.	57.	87.	84.	79.	LCM	78.	72.	80.
13 17 55	75.	89.	65.	76.	72.	58.	91.	85.	79.	LCM	77.	73.	80.
13 17 55	75.	87.	63.	74.	72.	56.	93.	82.	84.	LCM	76.	74.	81.
13 18 0	69.	86.	62.	74.	73.	54.	89.	94.	82.	LCM	76.	72.	82.
13 18 5	71.	82.	64.	71.	74.	58.	94.	94.	82.	LCM	78.	71.	81.
13 18 10	71.	83.	63.	74.	72.	58.	89.	83.	83.	LCM	77.	72.	82.
13 18 15	72.	86.	63.	77.	72.	53.	84.	84.	85.	LCM	76.	71.	85.
13 18 20	73.	86.	58.	76.	73.	54.	82.	85.	82.	LCM	79.	71.	83.
13 18 26	68.	83.	53.	73.	74.	57.	74.	86.	90.	LCM	80.	73.	80.
13 18 31	70.	86.	57.	73.	75.	55.	81.	85.	83.	LCM	80.	71.	81.
13 18 36	65.	79.	61.	76.	73.	54.	84.	93.	76.	LCM	78.	63.	83.
13 18 41	70.	83.	61.	75.	74.	53.	85.	94.	79.	LCM	74.	67.	83.
13 18 46	73.	92.	58.	75.	74.	54.	77.	86.	87.	LCM	80.	70.	80.
13 18 51	71.	82.	60.	73.	74.	55.	78.	86.	82.	LCM	80.	78.	81.
13 18 56	70.	88.	64.	73.	74.	55.	77.	85.	85.	LCM	80.	73.	80.
13 19 1	70.	80.	64.	73.	73.	56.	78.	85.	83.	LCM	80.	72.	80.
13 19 6	68.	84.	64.	75.	69.	55.	84.	82.	83.	LCM	77.	72.	81.
13 19 11	69.	84.	61.	75.	70.	56.	87.	82.	84.	LCM	76.	71.	82.
13 19 16	69.	86.	63.	75.	68.	57.	74.	82.	82.	LCM	78.	71.	82.
13 19 21	71.	87.	62.	76.	69.	55.	80.	81.	80.	LCM	77.	71.	82.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 AUC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
13 22 24	70.	85.	56.	75.	73.	63.	89.	86.	75.	LOW	78.	67.	84.
13 22 29	70.	85.	57.	74.	72.	64.	91.	84.	76.	LOW	76.	68.	84.
13 22 34	68.	88.	59.	73.	69.	64.	89.	84.	81.	LOW	74.	67.	85.
13 22 34	65.	85.	60.	73.	70.	61.	88.	85.	85.	LOW	77.	66.	85.
13 22 39	70.	86.	62.	71.	73.	64.	98.	88.	85.	LOW	76.	66.	83.
13 22 44	70.	86.	62.	71.	72.	65.	87.	87.	83.	LOW	78.	66.	83.
13 22 49	72.	89.	60.	72.	73.	62.	79.	87.	91.	LOW	79.	65.	83.
13 22 54	70.	88.	60.	72.	73.	62.	80.	87.	91.	LOW	79.	65.	83.
13 22 59	68.	86.	61.	69.	72.	64.	80.	86.	82.	LOW	78.	66.	83.
13 23 4	67.	86.	61.	69.	70.	65.	79.	86.	86.	LOW	78.	68.	78.
13 23 10	67.	88.	58.	70.	73.	65.	89.	86.	78.	LOW	78.	67.	82.
13 23 15	69.	88.	60.	71.	73.	65.	85.	85.	80.	LOW	77.	69.	82.
13 23 20	71.	85.	60.	73.	70.	63.	95.	84.	79.	LOW	76.	64.	86.
13 23 25	71.	85.	59.	73.	72.	58.	93.	84.	84.	LOW	76.	65.	85.
13 23 30	69.	86.	59.	72.	73.	63.	84.	88.	88.	LOW	88.	65.	85.
13 23 35	69.	86.	61.	71.	72.	64.	86.	87.	86.	LOW	79.	66.	85.
13 23 40	70.	86.	59.	73.	69.	63.	88.	82.	82.	LOW	76.	68.	86.
13 23 45	68.	86.	59.	72.	72.	64.	87.	83.	86.	LOW	76.	68.	85.
13 23 50	69.	86.	61.	72.	69.	66.	80.	84.	88.	LOW	74.	63.	86.
13 23 55	68.	86.	61.	71.	72.	65.	90.	85.	86.	LOW	76.	64.	84.
13 24 0	70.	87.	63.	71.	71.	65.	76.	84.	86.	LOW	78.	65.	83.
13 24 5	70.	87.	62.	70.	72.	67.	81.	85.	85.	LOW	78.	66.	83.
13 24 10	71.	87.	60.	72.	71.	65.	86.	74.	88.	LOW	74.	67.	86.
13 24 15	69.	86.	60.	72.	73.	64.	86.	81.	86.	LOW	76.	66.	86.
13 24 20	70.	87.	61.	69.	69.	64.	82.	87.	86.	LOW	78.	67.	83.
13 24 25	70.	86.	61.	71.	70.	68.	86.	85.	89.	LOW	75.	65.	85.
13 24 30	71.	86.	61.	73.	71.	63.	80.	84.	89.	LOW	76.	66.	79.
13 24 35	70.	86.	61.	71.	73.	64.	80.	84.	88.	LOW	76.	65.	82.
13 24 40	71.	89.	61.	71.	71.	64.	88.	84.	84.	LOW	75.	67.	85.
13 24 50	70.	88.	60.	72.	72.	62.	86.	86.	79.	LOW	76.	65.	84.
13 24 55	68.	85.	63.	69.	67.	67.	84.	84.	85.	LOW	74.	67.	84.
13 25 0	69.	82.	61.	70.	69.	65.	91.	85.	81.	LOW	75.	65.	85.
13 25 5	70.	85.	59.	71.	76.	62.	92.	85.	81.	LOW	76.	65.	86.
13 25 10	70.	86.	60.	71.	75.	62.	85.	87.	85.	LOW	77.	65.	86.
13 25 15	69.	86.	60.	70.	74.	64.	95.	88.	79.	LOW	78.	67.	82.
13 25 23	70.	87.	60.	71.	74.	58.	93.	83.	84.	LOW	76.	67.	83.
13 25 20	71.	89.	60.	69.	72.	66.	90.	82.	95.	LOW	76.	68.	84.
13 25 25	71.	90.	60.	71.	72.	66.	87.	82.	91.	LOW	76.	68.	85.
13 25 30	71.	88.	59.	71.	74.	61.	74.	87.	79.	LOW	78.	63.	85.
13 25 35	70.	87.	59.	71.	74.	62.	75.	87.	79.	LOW	77.	65.	85.
13 25 40	69.	86.	58.	70.	75.	63.	97.	88.	84.	LOW	77.	65.	84.
13 25 46	70.	87.	59.	69.	70.	64.	93.	86.	82.	LOW	77.	65.	85.
13 25 51	68.	86.	59.	73.	72.	62.	93.	86.	81.	LOW	74.	65.	85.
13 25 56	67.	87.	59.	71.	74.	62.	88.	86.	84.	LOW	76.	65.	86.
13 26 1	69.	86.	56.	66.	76.	59.	97.	88.	77.	LOW	75.	65.	84.
13 26 6	69.	85.	54.	69.	74.	61.	91.	86.	81.	LOW	76.	64.	85.
13 26 11	71.	86.	59.	71.	74.	58.	90.	85.	90.	LOW	77.	65.	86.
13 26 16	69.	84.	60.	70.	74.	61.	90.	85.	87.	LOW	76.	66.	85.
13 26 21	67.	86.	56.	71.	74.	61.	90.	88.	78.	LOW	76.	63.	84.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 WDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
19													
13 26 26	67.	85.	59.	70.	72.	63.	97.	86.	83.	LOW	76.	65.	84.
13 26 31	71.	84.	60.	69.	69.	65.	99.	86.	85.	LOW	76.	66.	84.
13 26 36	70.	86.	59.	69.	72.	64.	90.	86.	82.	LOW	76.	65.	85.
13 26 41	69.	85.	62.	69.	74.	63.	91.	87.	93.	LOW	77.	63.	83.
13 26 46	71.	87.	60.	70.	73.	64.	95.	85.	88.	LOW	76.	64.	85.
13 49 8	69.	87.	52.	56.	77.	56.	81.	88.	92.	LOW	71.	56.	84.
13 49 13	68.	87.	51.	57.	75.	55.	90.	87.	85.	LOW	70.	53.	85.
13 49 18	69.	82.	52.	58.	76.	59.	95.	86.	88.	LOW	69.	58.	84.
13 49 23	67.	85.	51.	57.	77.	56.	89.	86.	91.	LOW	71.	57.	85.
13 49 28	61.	77.	46.	61.	78.	54.	86.	84.	90.	LOW	71.	55.	87.
13 49 33	60.	78.	50.	60.	78.	55.	92.	86.	89.	LOW	71.	56.	86.
13 49 38	73.	93.	52.	57.	77.	55.	84.	86.	86.	LOW	71.	56.	84.
13 49 43	71.	90.	50.	57.	77.	54.	89.	87.	84.	LOW	70.	54.	82.
13 49 48	61.	80.	53.	59.	76.	56.	97.	86.	82.	LOW	71.	57.	86.
13 49 58	66.	85.	52.	58.	76.	55.	96.	85.	86.	LOW	71.	56.	85.
13 50 3	61.	77.	51.	56.	78.	54.	100.	86.	86.	LOW	69.	54.	88.
13 50 8	62.	78.	52.	58.	78.	53.	102.	85.	87.	LOW	69.	55.	87.
13 50 13	53.	78.	52.	60.	78.	55.	88.	88.	86.	LOW	73.	53.	85.
13 50 18	62.	83.	51.	60.	77.	54.	91.	87.	86.	LOW	71.	53.	85.
13 50 18	65.	84.	52.	58.	75.	56.	90.	85.	86.	LOW	68.	55.	84.
13 50 23	67.	84.	52.	58.	76.	55.	88.	85.	91.	LOW	68.	55.	86.
13 50 28	66.	85.	50.	57.	76.	56.	94.	84.	87.	LOW	68.	53.	85.
13 50 33	64.	83.	51.	58.	77.	55.	91.	86.	86.	LOW	70.	58.	85.
13 50 38	69.	88.	50.	59.	77.	52.	104.	86.	85.	LOW	71.	53.	87.
13 50 43	67.	87.	50.	59.	76.	54.	99.	85.	88.	LOW	70.	55.	87.
13 50 48	69.	90.	53.	56.	76.	54.	104.	85.	90.	LOW	69.	54.	84.
13 50 54	70.	89.	51.	56.	76.	54.	99.	87.	83.	LOW	69.	52.	84.
13 50 59	69.	89.	49.	59.	74.	55.	100.	84.	93.	LOW	68.	56.	86.
13 51 4	65.	84.	50.	59.	75.	55.	98.	86.	90.	LOW	70.	55.	85.
13 51 9	64.	80.	49.	61.	76.	56.	90.	85.	89.	LOW	70.	54.	89.
13 51 14	68.	85.	51.	58.	75.	55.	90.	85.	92.	LOW	69.	54.	87.
13 51 19	73.	93.	48.	57.	77.	53.	84.	86.	85.	LOW	63.	51.	84.
13 51 24	74.	91.	49.	58.	76.	53.	84.	83.	87.	LOW	66.	53.	85.
13 51 29	67.	84.	53.	59.	76.	54.	91.	84.	97.	LOW	69.	56.	86.
14 3 13	68.	84.	50.	57.	77.	53.	95.	85.	95.	LOW	66.	53.	86.
14 3 18	53.	86.	50.	54.	78.	53.	96.	88.	82.	LOW	69.	48.	84.
14 3 23	54.	82.	50.	56.	77.	53.	93.	86.	88.	LOW	67.	49.	85.
14 3 33	56.	77.	52.	56.	75.	55.	84.	84.	97.	LOW	64.	53.	83.
14 3 38	58.	76.	52.	56.	75.	55.	88.	79.	94.	LOW	65.	53.	83.
14 3 43	57.	76.	50.	56.	76.	54.	86.	86.	82.	LOW	66.	50.	84.
14 3 43	58.	76.	51.	56.	77.	55.	82.	85.	84.	LOW	66.	52.	83.
14 43 48	66.	91.	49.	52.	75.	54.	85.	84.	93.	LOW	65.	52.	81.
14 3 53	61.	87.	49.	53.	77.	54.	83.	85.	88.	LOW	67.	49.	82.
14 43 58	58.	79.	53.	55.	78.	56.	79.	84.	91.	LOW	65.	52.	83.
14 4 3	58.	80.	51.	55.	79.	54.	84.	85.	87.	LOW	66.	51.	83.
14 4 8	64.	84.	51.	54.	76.	55.	80.	85.	89.	LOW	67.	52.	80.
14 4 14	62.	82.	51.	55.	76.	55.	87.	84.	84.	LOW	66.	53.	82.
14 4 19	65.	89.	48.	55.	74.	53.	92.	82.	90.	LOW	64.	51.	85.
14 4 24	66.	89.	48.	54.	75.	53.	93.	83.	89.	LOW	63.	51.	84.

12

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/M TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
14 4 29	61.	82.	50.	54.	77.	55.	92.	86.	91.	LOW	66.	51.	84.
14 4 34	61.	84.	49.	54.	77.	54.	96.	86.	92.	LOW	66.	49.	85.
14 4 39	60.	83.	50.	56.	75.	54.	97.	82.	90.	LOW	64.	54.	83.
14 4 44	61.	84.	49.	57.	75.	53.	92.	83.	88.	LOW	64.	49.	84.
14 4 49	67.	90.	48.	53.	74.	52.	81.	86.	86.	LOW	66.	48.	85.
14 4 54	61.	87.	49.	53.	76.	53.	86.	86.	87.	LOW	65.	49.	79.
14 4 59	58.	84.	48.	57.	75.	52.	91.	84.	84.	LOW	63.	51.	84.
14 5 4	58.	79.	49.	55.	77.	47.	90.	85.	84.	LOW	66.	51.	83.
14 5 9	58.	80.	50.	56.	75.	55.	96.	84.	82.	LOW	65.	52.	83.
14 5 14	58.	82.	47.	55.	76.	54.	95.	85.	85.	LOW	65.	50.	81.
14 5 19	65.	86.	52.	55.	74.	54.	88.	82.	91.	LOW	63.	53.	82.
14 5 24	63.	86.	50.	54.	75.	55.	90.	84.	89.	LOW	64.	53.	81.
14 5 29	61.	84.	48.	55.	76.	52.	79.	83.	89.	LOW	64.	50.	86.
14 5 39	60.	84.	49.	55.	75.	54.	85.	83.	89.	LOW	64.	52.	85.
14 5 39	54.	80.	50.	55.	79.	54.	87.	86.	90.	LOW	67.	45.	84.
14 5 44	57.	83.	50.	56.	77.	54.	85.	85.	92.	LOW	66.	49.	83.
14 5 49	56.	83.	50.	54.	75.	55.	84.	85.	94.	LOW	66.	52.	84.
14 5 54	60.	84.	49.	54.	74.	54.	85.	84.	90.	LOW	64.	51.	84.
14 5 59	53.	77.	47.	55.	75.	54.	88.	82.	95.	LOW	63.	54.	86.
14 6 9	55.	80.	48.	54.	77.	56.	92.	83.	91.	LOW	64.	53.	88.
14 6 14	63.	88.	46.	53.	78.	54.	92.	86.	84.	LOW	66.	49.	83.
14 6 19	62.	89.	48.	53.	77.	55.	92.	84.	85.	LOW	65.	50.	84.
14 6 19	56.	78.	49.	56.	77.	55.	100.	84.	93.	LOW	64.	50.	85.
14 6 24	57.	80.	50.	54.	77.	56.	95.	85.	90.	LOW	65.	51.	85.
14 16 29	61.	87.	50.	54.	74.	56.	93.	83.	88.	LOW	65.	51.	84.
14 14 36	56.	81.	50.	54.	74.	57.	94.	84.	88.	*000060.	67.	49.	84.
14 14 41	63.	86.	46.	53.	71.	56.	95.	82.	91.	LOW	65.	50.	85.
14 14 46	63.	88.	50.	53.	74.	56.	95.	82.	93.	LOW	65.	50.	85.
14 14 51	58.	84.	50.	50.	76.	56.	85.	85.	93.	LOW	69.	51.	85.
14 15 1	51.	81.	51.	52.	77.	56.	89.	86.	93.	LOW	69.	47.	85.
14 15 6	63.	84.	32.	46.	75.	54.	84.	86.	82.	LOW	67.	48.	84.
14 15 11	64.	87.	40.	58.	76.	54.	79.	86.	81.	LOW	66.	48.	85.
14 15 11	55.	77.	50.	56.	77.	56.	93.	84.	91.	LOW	66.	50.	87.
14 15 16	59.	83.	50.	54.	76.	56.	90.	84.	93.	LOW	66.	51.	87.
14 15 21	66.	90.	50.	52.	76.	54.	84.	83.	91.	LOW	65.	50.	84.
14 15 26	60.	82.	50.	53.	76.	55.	96.	84.	90.	LOW	66.	51.	85.
14 15 31	50.	74.	50.	54.	76.	56.	86.	83.	90.	LOW	68.	51.	86.
14 15 36	55.	78.	50.	53.	75.	56.	88.	83.	91.	LOW	65.	49.	86.
14 15 42	61.	86.	49.	51.	77.	54.	79.	84.	99.	LOW	68.	51.	84.
14 15 47	60.	86.	50.	52.	76.	56.	87.	84.	92.	LOW	66.	51.	85.
14 15 52	56.	80.	51.	54.	73.	56.	100.	87.	90.	LOW	68.	51.	84.
14 17 19	54.	79.	51.	53.	78.	55.	91.	87.	88.	LOW	68.	50.	84.
14 17 24	61.	88.	49.	54.	75.	54.	99.	84.	85.	LOW	65.	48.	86.
14 17 29	60.	85.	48.	54.	75.	53.	95.	94.	90.	LOW	64.	49.	85.
14 17 34	63.	88.	50.	50.	77.	56.	100.	85.	93.	LOW	53.	50.	82.
14 17 39	59.	84.	50.	52.	77.	57.	99.	84.	93.	LOW	59.	51.	84.
14 17 44	58.	80.	51.	54.	77.	56.	86.	94.	97.	LOW	65.	50.	85.
14 17 54	58.	84.	50.	51.	77.	55.	90.	85.	92.	LOW	60.	50.	84.
14 17 59	59.	82.	49.	56.	74.	55.	85.	82.	98.	LOW	65.	51.	87.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 HUC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
14 18 4	56.	80.	49.	55.	75.	54.	93.	84.	90.	LOW	67.	50.	87.
14 18 4	56.	78.	48.	54.	77.	55.	97.	84.	82.	LOW	66.	48.	86.
14 18 9	56.	83.	49.	52.	77.	55.	96.	84.	85.	LOW	66.	50.	85.
14 18 14	58.	84.	50.	51.	76.	56.	88.	86.	90.	LOW	67.	50.	84.
14 18 19	59.	86.	49.	51.	76.	56.	91.	85.	91.	LOW	65.	50.	81.
14 32 7	54.	74.	48.	54.	76.	51.	90.	78.	91.	LOW	60.	49.	82.
14 32 13	54.	75.	45.	52.	74.	52.	90.	82.	90.	LOW	65.	49.	82.
14 32 18	56.	78.	49.	53.	74.	53.	99.	86.	88.	LOW	65.	50.	83.
14 32 23	58.	79.	49.	53.	72.	54.	90.	84.	88.	LOW	64.	49.	84.
14 32 28	58.	74.	48.	54.	71.	54.	97.	79.	90.	LOW	64.	50.	84.
14 32 33	55.	74.	49.	54.	70.	55.	91.	81.	87.	LOW	63.	51.	84.
14 32 39	58.	79.	50.	55.	69.	56.	88.	80.	87.	LOW	62.	54.	84.
14 32 44	57.	79.	51.	55.	68.	58.	95.	81.	86.	LOW	62.	53.	84.
14 32 49	55.	78.	48.	55.	66.	59.	102.	80.	86.	LOW	61.	54.	76.
14 32 54	56.	77.	49.	55.	67.	58.	95.	81.	83.	LOW	62.	53.	80.
14 32 59	54.	76.	51.	58.	69.	58.	90.	82.	84.	LOW	58.	54.	84.
14 33 4	54.	77.	44.	56.	66.	58.	87.	82.	84.	LOW	61.	51.	82.
14 33 9	54.	78.	50.	56.	69.	56.	90.	81.	84.	LOW	64.	54.	84.
14 33 14	54.	77.	51.	55.	70.	57.	90.	81.	83.	LOW	64.	54.	84.

C COMMUTATOR

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
13 1 1	LOW	86.	82.	81.	84.	85.	84.	17.3	LOW	79.1	84.	88.	86.
13 1 12	LOW	87.	83.	81.	84.	84.	85.	14.9	LOW	80.1	84.	87.	86.
13 1 17	LOW	85.	85.	82.	82.	84.	84.	17.3	LOW	81.7	82.	86.	86.
13 1 22	LOW	85.	82.	81.	84.	84.	83.	17.6	LOW	82.8	83.	86.	86.
13 1 27	LOW	86.	74.	81.	84.	85.	84.	19.0	LOW	88.9	83.	86.	86.
13 1 32	LOW	86.	79.	77.	84.	85.	85.	18.8	LOW	85.6	81.	87.	86.
13 1 32	LOW	84.	84.	80.	85.	85.	84.	19.8	LOW	83.7	82.	86.	86.
13 1 38	LOW	85.	83.	80.	85.	85.	85.	19.0	LOW	83.3	83.	86.	86.
13 41 48	LOW	86.	74.	81.	86.	86.	84.	18.7	LOW	82.3	80.	87.	86.
13 1 53	LOW	86.	79.	81.	83.	85.	85.	21.1	LOW	82.3	81.	87.	86.
13 41 58	LOW	86.	84.	82.	84.	84.	85.	18.7	LOW	81.7	82.	86.	84.
13 41 58	LOW	86.	84.	82.	84.	84.	85.	18.8	LOW	81.4	82.	85.	86.
13 2 3	LOW	85.	84.	81.	82.	84.	84.	18.7	LOW	83.8	82.	85.	87.
13 42 8	LOW	85.	83.	81.	78.	84.	85.	18.7	LOW	82.3	82.	86.	87.
13 2 13	LOW	85.	84.	80.	79.	85.	85.	19.4	LOW	81.8	82.	86.	85.
13 2 18	LOW	85.	84.	80.	81.	84.	85.	19.8	LOW	81.4	82.	85.	85.
13 2 23	LOW	86.	84.	82.	79.	84.	85.	18.7	LOW	83.8	81.	86.	86.
13 4 6	LOW	87.	84.	82.	81.	85.	85.	18.4	LOW	82.7	81.	86.	86.
13 4 11	LOW	85.	84.	84.	81.	85.	84.	18.7	LOW	82.3	83.	86.	86.
13 4 11	LOW	85.	86.	83.	79.	85.	85.	19.8	LOW	83.8	82.	87.	86.
13 4 16	LOW	91.	86.	81.	84.	86.	85.	19.4	LOW	83.7	83.	86.	88.
13 4 21	LOW	89.	86.	81.	85.	85.	85.	15.9	LOW	82.7	83.	87.	87.
13 4 26	LOW	86.	85.	78.	80.	84.	84.	19.4	LOW	81.7	82.	86.	84.
13 4 31	LOW	86.	85.	80.	86.	84.	84.	19.4	LOW	81.7	82.	86.	85.
13 4 44	LOW	86.	87.	81.	83.	86.	84.	20.1	LOW	83.7	83.	87.	90.
13 4 42	LOW	86.	85.	81.	78.	85.	85.	20.4	LOW	83.3	85.	88.	88.
13 4 47	LOW	84.	81.	82.	81.	83.	85.	15.2	LOW	81.0	80.	86.	84.
13 4 52	LOW	85.	82.	81.	82.	83.	83.	17.6	LOW	86.1	77.	88.	84.
13 4 65	LOW	88.	85.	80.	83.	85.	84.	22.9	LOW	83.8	82.	87.	87.
13 5 2	LOW	86.	83.	80.	83.	84.	84.	21.8	LOW	80.7	82.	86.	85.
13 5 7	LOW	85.	82.	82.	80.	83.	84.	21.5	LOW	88.4	82.	86.	84.
13 5 12	LOW	85.	82.	82.	81.	83.	84.	20.8	LOW	79.4	82.	85.	84.
13 5 17	LOW	85.	82.	82.	80.	84.	84.	20.8	LOW	82.3	82.	86.	86.
13 5 22	LOW	85.	84.	81.	82.	85.	79.	20.8	LOW	82.8	82.	86.	87.
13 5 27	LOW	86.	84.	81.	85.	84.	84.	20.1	LOW	80.4	80.	86.	84.
13 5 32	LOW	86.	84.	81.	85.	84.	85.	21.1	LOW	80.1	80.	85.	84.
13 5 37	LOW	85.	78.	82.	80.	84.	82.	20.1	LOW	81.8	82.	86.	88.
13 5 42	LOW	86.	82.	82.	82.	85.	83.	20.1	LOW	83.8	82.	86.	89.
13 5 47	LOW	86.	84.	74.	84.	84.	88.	19.4	LOW	79.1	82.	84.	84.
13 5 52	LOW	86.	83.	78.	81.	85.	87.	19.8	LOW	81.8	82.	85.	85.
13 5 57	LOW	86.	86.	81.	85.	85.	85.	20.1	LOW	81.7	80.	86.	84.
13 6 7	LOW	85.	84.	80.	86.	85.	85.	19.7	LOW	80.4	81.	86.	85.
13 6 7	LOW	87.	84.	80.	82.	84.	84.	19.7	LOW	77.8	82.	84.	84.
13 6 12	LOW	87.	86.	81.	82.	86.	84.	18.7	LOW	80.4	82.	85.	85.
13 6 17	LOW	84.	80.	81.	82.	79.	84.	20.8	LOW	85.0	82.	86.	86.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
13 6 22	LOW	84.	78.	81.	82.	82.	85.	18.0	LOW	83.3	82.	86.	86.
13 6 27	LOW	91.	86.	82.	88.	78.	83.	18.7	LOW	80.4	81.	85.	84.
13 6 37	LOW	89.	86.	82.	81.	81.	83.	20.1	LOW	80.1	81.	85.	85.
13 6 42	LOW	86.	87.	79.	84.	82.	85.	19.4	LOW	81.7	82.	86.	86.
13 6 47	LOW	86.	86.	80.	85.	83.	85.	19.7	LOW	81.7	82.	86.	86.
13 6 47	LOW	83.	77.	81.	82.	84.	84.	16.6	LOW	82.3	79.	88.	82.
13 6 52	LOW	83.	79.	80.	82.	84.	84.	18.0	LOW	82.0	80.	87.	83.
13 6 57	LOW	79.	78.	79.	81.	84.	82.	18.7	LOW	81.7	82.	86.	87.
13 7 2	LOW	83.	82.	80.	81.	84.	83.	19.8	LOW	79.1	82.	86.	87.
13 7 7	LOW	74.	81.	88.	88.	85.	84.	19.4	LOW	81.7	82.	86.	85.
13 7 12	LOW	78.	80.	88.	81.	85.	84.	14.5	LOW	82.7	82.	86.	79.
13 7 18	LOW	79.	79.	80.	82.	84.	84.	16.6	LOW	83.7	83.	87.	86.
13 7 23	LOW	82.	79.	80.	81.	84.	84.	18.3	LOW	82.7	83.	86.	86.
13 7 28	LOW	87.	90.	82.	84.	84.	86.	18.0	LOW	79.7	81.	86.	85.
13 7 33	LOW	85.	89.	88.	88.	84.	85.	18.7	LOW	80.4	82.	86.	84.
13 7 38	LOW	85.	89.	81.	82.	85.	84.	18.7	LOW	80.4	81.	85.	86.
13 7 43	LOW	84.	84.	80.	81.	87.	86.	18.4	LOW	81.4	82.	85.	86.
13 7 48	LOW	84.	82.	80.	80.	95.	89.	11.0	LOW	84.3	82.	86.	84.
13 7 53	LOW	85.	83.	80.	82.	93.	88.	14.1	LOW	84.6	82.	85.	85.
13 7 58	LOW	86.	86.	82.	81.	95.	89.	34.6	LOW	82.3	80.	85.	85.
13 8 3	LOW	85.	85.	82.	81.	96.	90.	45.7	LOW	82.3	82.	85.	85.
13 48 8	LOW	88.	90.	82.	84.	99.	84.	74.5	LOW	83.7	82.	84.	84.
13 8 13	LOW	86.	84.	83.	86.	100.	89.	75.1	LOW	84.6	83.	87.	86.
13 8 18	LOW	86.	84.	85.	83.	103.	99.	87.6	LOW	84.3	86.	84.	89.
13 8 23	LOW	86.	86.	85.	85.	102.	96.	88.2	LOW	84.8	84.	85.	91.
13 8 28	LOW	85.	74.	86.	86.	105.	95.	92.2	LOW	83.7	84.	87.	88.
13 8 33	LOW	79.	78.	87.	88.	105.	95.	94.8	LOW	85.0	86.	88.	86.
13 8 43	LOW	84.	84.	90.	91.	105.	99.	98.0	LOW	84.3	89.	93.	90.
13 8 43	LOW	84.	84.	91.	92.	105.	100.	99.3	LOW	85.6	91.	95.	91.
13 48 48	LOW	84.	88.	91.	93.	106.	95.	102.6	LOW	85.8	87.	97.	91.
13 8 53	LOW	84.	88.	91.	94.	106.	97.	103.2	LOW	84.6	89.	98.	92.
13 8 58	LOW	81.	86.	93.	95.	108.	108.	105.2	LOW	80.4	99.	108.	99.
13 9 3	LOW	77.	84.	92.	97.	107.	106.	107.4	LOW	86.3	101.	103.	101.
13 9 13	LOW	76.	86.	96.	108.	110.	112.	108.4	LOW	83.7	105.	112.	103.
13 9 18	LOW	79.	85.	97.	103.	106.	109.	108.4	LOW	84.3	104.	109.	102.
13 9 23	LOW	80.	88.	101.	114.	110.	105.	105.8	LOW	83.7	108.	112.	103.
13 9 28	LOW	81.	88.	103.	104.	106.	109.	106.8	LOW	80.1	108.	111.	102.
13 9 28	LOW	80.	79.	108.	103.	105.	107.	111.6	LOW	89.5	110.	115.	110.
13 9 33	LOW	81.	82.	103.	109.	106.	109.	110.7	LOW	84.6	112.	116.	109.
13 9 38	LOW	87.	86.	112.	111.	105.	106.	110.4	LOW	77.1	109.	117.	106.
13 9 43	LOW	86.	86.	112.	115.	105.	105.	109.4	LOW	78.4	111.	117.	107.
13 43 48	LOW	76.	82.	106.	127.	113.	112.	116.8	LOW	98.6	126.	128.	119.
13 9 53	LOW	77.	79.	105.	120.	104.	108.	118.1	LOW	93.1	124.	127.	119.
13 9 59	LOW	79.	86.	115.	129.	108.	105.	114.9	LOW	79.7	123.	128.	118.
13 10 4	LOW	79.	83.	115.	131.	110.	107.	115.8	LOW	84.3	126.	130.	121.
13 10 9	LOW	87.	84.	119.	125.	108.	103.	114.9	LOW	81.0	123.	126.	117.
13 10 22	LOW	85.	85.	128.	129.	108.	106.	117.5	LOW	81.8	126.	129.	120.
13 10 19	LOW	82.	82.	118.	134.	111.	111.	120.1	LOW	86.9	130.	137.	127.
13 10 24	LOW	78.	84.	121.	134.	110.	108.	118.4	LOW	85.3	130.	135.	126.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/E FLELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13 10 29	LOW	85.	86.	127.	129.	103.	102.	116.2	LOW	81.7	130.	132.	125.
13 10 34	LOW	84.	84.	127.	120.	104.	101.	115.9	LOW	84.6	132.	134.	125.
13 10 39	LOW	86.	88.	129.	128.	106.	102.	129.7	LOW	73.8	133.	136.	128.
13 10 44	LOW	81.	85.	125.	136.	112.	105.	123.0	LOW	84.6	133.	140.	134.
13 10 49	LOW	84.	83.	132.	143.	100.	107.	120.1	LOW	82.3	143.	142.	131.
13 10 54	LOW	80.	83.	129.	146.	112.	107.	123.3	LOW	87.2	144.	145.	134.
13 11 43	LOW	74.	82.	132.	147.	110.	101.	129.6	LOW	92.2	155.	156.	149.
13 51 48	LOW	79.	84.	136.	140.	110.	102.	125.9	LOW	88.6	154.	156.	146.
13 51 58	LOW	84.	76.	139.	136.	110.	103.	127.8	LOW	92.8	152.	157.	150.
13 12 3	LOW	84.	79.	139.	141.	100.	104.	128.1	LOW	92.8	154.	160.	149.
13 12 3	LOW	87.	82.	142.	147.	109.	105.	126.5	LOW	91.5	154.	157.	149.
13 52 8	LOW	86.	81.	142.	149.	110.	108.	126.2	LOW	90.8	157.	160.	151.
13 12 13	LOW	74.	74.	135.	157.	116.	121.	133.6	LOW	102.6	173.	175.	157.
13 12 18	LOW	80.	79.	139.	157.	113.	119.	124.8	LOW	94.4	167.	172.	155.
13 12 28	LOW	84.	85.	138.	158.	106.	117.	126.5	LOW	93.5	168.	172.	156.
13 12 33	LOW	79.	81.	135.	158.	112.	120.	129.8	LOW	90.3	172.	177.	162.
13 12 38	LOW	79.	81.	134.	173.	116.	125.	126.	LOW	96.1	180.	180.	165.
13 12 38	LOW	77.	79.	137.	168.	116.	124.	128.8	LOW	101.6	180.	179.	168.
13 12 43	LOW	87.	85.	143.	163.	113.	117.	123.9	LOW	92.8	172.	171.	163.
13 52 48	LOW	82.	82.	138.	167.	116.	122.	128.5	LOW	98.7	178.	181.	168.
13 12 53	LOW	78.	74.	139.	172.	119.	124.	133.6	LOW	104.5	186.	191.	175.
13 12 58	LOW	77.	76.	141.	171.	118.	123.	132.7	LOW	105.8	186.	184.	176.
13 13 3	LOW	84.	79.	150.	165.	110.	117.	129.1	LOW	94.0	181.	188.	157.
13 13 9	LOW	84.	81.	149.	166.	112.	117.	128.8	LOW	97.1	181.	189.	166.
13 13 14	LOW	80.	84.	152.	169.	110.	122.	128.5	LOW	91.5	182.	191.	170.
13 13 19	LOW	79.	82.	147.	178.	115.	124.	130.1	LOW	93.1	189.	194.	176.
13 13 24	LOW	77.	76.	143.	177.	121.	126.	136.9	LOW	109.7	194.	201.	187.
13 13 29	LOW	78.	75.	146.	175.	118.	124.	135.9	LOW	107.8	195.	201.	187.
13 13 34	LOW	76.	78.	136.	187.	124.	128.	131.7	LOW	107.1	200.	202.	190.
13 13 39	LOW	77.	77.	139.	184.	122.	127.	134.3	LOW	107.8	199.	204.	191.
13 13 44	LOW	74.	84.	141.	191.	116.	126.	131.1	LOW	98.7	200.	203.	183.
13 13 49	LOW	80.	85.	140.	185.	118.	123.	120.8	LOW	90.8	197.	201.	183.
13 13 54	LOW	86.	84.	154.	183.	118.	124.	127.8	LOW	95.4	196.	203.	186.
13 13 59	LOW	82.	82.	152.	189.	119.	127.	129.4	LOW	100.8	202.	205.	189.
13 14 4	LOW	78.	79.	155.	186.	119.	122.	134.3	LOW	108.4	205.	208.	194.
13 14 9	LOW	78.	78.	152.	185.	121.	124.	135.6	LOW	110.8	206.	210.	196.
13 14 14	LOW	79.	84.	152.	194.	122.	129.	133.6	LOW	103.2	209.	211.	195.
13 14 19	LOW	83.	85.	155.	198.	120.	127.	130.7	LOW	99.3	209.	210.	194.
13 14 24	LOW	88.	80.	159.	188.	119.	123.	115.5	LOW	90.7	205.	207.	191.
13 14 34	LOW	86.	83.	160.	190.	117.	124.	120.4	LOW	96.7	205.	210.	193.
13 14 34	LOW	76.	79.	158.	191.	121.	129.	135.6	LOW	109.7	214.	219.	207.
13 14 39	LOW	80.	83.	159.	189.	110.	127.	132.8	LOW	103.2	211.	215.	202.
13 14 44	LOW	82.	79.	168.	180.	116.	122.	134.9	LOW	107.1	210.	215.	203.
13 14 49	LOW	83.	81.	165.	184.	110.	125.	132.7	LOW	103.2	210.	215.	202.
13 14 54	LOW	86.	85.	172.	180.	110.	123.	129.8	LOW	99.3	209.	210.	202.
13 15 4	LOW	83.	84.	174.	186.	113.	121.	132.8	LOW	101.3	211.	213.	203.
13 15 9	LOW	77.	75.	172.	187.	121.	127.	138.2	LOW	110.4	218.	222.	212.
13 15 14	LOW	76.	76.	169.	180.	122.	128.	138.2	LOW	111.6	218.	225.	212.
13 15 19	LOW	76.	83.	174.	195.	123.	126.	131.1	LOW	105.8	217.	219.	210.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 28 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
13 15 19	LOW	78.	82.	177.	186.	119.	125.	134.8	LOW	108.7	218.	219.	211.
13 15 24	LOW	84.	82.	185.	180.	112.	123.	134.9	LOW	105.2	215.	219.	209.
13 15 29	LOW	82.	81.	188.	187.	117.	128.	136.6	LOW	107.1	217.	222.	212.
13 15 34	LOW	81.	82.	183.	183.	119.	125.	135.6	LOW	112.9	217.	221.	214.
13 15 39	LOW	78.	81.	180.	185.	122.	127.	135.9	LOW	115.2	221.	224.	212.
13 15 44	LOW	76.	79.	198.	192.	125.	128.	137.5	LOW	118.8	223.	225.	218.
13 15 50	LOW	76.	78.	162.	191.	123.	127.	137.9	LOW	115.9	223.	222.	217.
13 15 55	LOW	79.	81.	180.	198.	127.	136.	134.9	LOW	110.4	223.	225.	219.
13 16 0	LOW	79.	82.	180.	197.	126.	135.	135.3	LOW	112.8	223.	226.	219.
13 16 5	LOW	79.	82.	178.	195.	125.	116.	134.3	LOW	109.1	222.	226.	223.
13 16 10	LOW	88.	81.	186.	191.	120.	117.	134.9	LOW	108.1	221.	224.	218.
13 16 15	LOW	82.	86.	187.	194.	119.	128.	133.8	LOW	103.2	222.	224.	215.
13 16 20	LOW	83.	86.	190.	195.	118.	127.	132.4	LOW	101.6	220.	224.	215.
13 16 25	LOW	74.	80.	183.	199.	121.	132.	135.9	LOW	112.3	231.	230.	219.
13 16 30	LOW	81.	81.	185.	196.	121.	131.	135.6	LOW	110.8	226.	227.	219.
13 16 35	LOW	82.	79.	195.	182.	119.	124.	136.9	LOW	112.3	219.	226.	215.
13 16 40	LOW	88.	79.	194.	188.	120.	125.	138.2	LOW	114.6	222.	227.	219.
13 16 53	LOW	85.	83.	198.	187.	114.	116.	134.9	LOW	104.5	219.	224.	212.
13 16 58	LOW	82.	82.	193.	192.	120.	124.	136.9	LOW	109.1	223.	228.	219.
13 56 55	LOW	75.	79.	189.	198.	127.	138.	138.2	LOW	128.1	229.	230.	226.
13 17 0	LOW	76.	79.	190.	197.	126.	131.	137.5	LOW	116.2	231.	231.	224.
13 17 10	LOW	86.	84.	198.	188.	110.	125.	134.9	LOW	102.6	218.	224.	209.
13 17 10	LOW	84.	82.	197.	188.	118.	124.	136.9	LOW	109.9	220.	226.	215.
13 17 15	LOW	83.	84.	191.	197.	123.	132.	135.6	LOW	107.8	224.	229.	222.
13 17 20	LOW	81.	82.	189.	198.	124.	133.	136.6	LOW	111.3	226.	232.	223.
13 17 25	LOW	79.	77.	188.	200.	127.	133.	137.5	LOW	114.9	228.	235.	226.
13 17 30	LOW	78.	77.	189.	196.	125.	131.	140.1	LOW	117.5	228.	235.	227.
13 17 40	LOW	78.	79.	192.	198.	126.	133.	141.4	LOW	117.5	238.	237.	238.
13 17 45	LOW	80.	82.	192.	195.	124.	132.	139.5	LOW	108.1	228.	234.	227.
13 17 50	LOW	78.	77.	198.	198.	125.	126.	142.1	LOW	128.7	229.	237.	227.
13 17 55	LOW	77.	77.	193.	198.	126.	128.	142.1	LOW	118.8	230.	237.	229.
13 17 55	LOW	86.	87.	188.	195.	120.	125.	131.7	LOW	107.1	224.	227.	222.
13 18 0	LOW	84.	85.	196.	193.	118.	122.	134.6	LOW	106.1	224.	227.	223.
13 18 5	LOW	84.	82.	205.	189.	116.	121.	138.2	LOW	111.8	224.	230.	221.
13 18 18	LOW	79.	83.	204.	198.	117.	121.	138.8	LOW	109.7	222.	229.	221.
13 15 15	LOW	74.	79.	196.	199.	126.	129.	140.8	LOW	123.9	233.	234.	238.
13 18 28	LOW	75.	79.	195.	198.	126.	129.	140.8	LOW	122.3	234.	235.	232.
13 18 26	LOW	84.	84.	204.	188.	115.	125.	136.9	LOW	108.4	224.	231.	219.
13 18 31	LOW	82.	85.	208.	196.	119.	128.	137.9	LOW	111.0	228.	233.	224.
13 18 36	LOW	86.	88.	202.	193.	117.	123.	131.1	LOW	105.2	226.	228.	219.
13 18 41	LOW	87.	87.	202.	193.	117.	126.	131.4	LOW	105.6	225.	228.	228.
13 18 46	LOW	78.	83.	191.	198.	130.	132.	138.8	LOW	114.9	237.	240.	229.
13 18 51	LOW	78.	81.	195.	197.	127.	130.	142.4	LOW	116.8	236.	239.	238.
13 18 56	LOW	87.	84.	208.	190.	115.	138.	136.2	LOW	107.1	224.	238.	216.
13 19 1	LOW	87.	85.	208.	193.	119.	128.	137.2	LOW	107.4	225.	231.	228.
13 19 6	LOW	82.	80.	203.	191.	122.	125.	139.5	LOW	118.1	229.	233.	225.
13 19 11	LOW	84.	82.	203.	196.	121.	124.	137.9	LOW	114.2	226.	231.	224.
13 19 16	LOW	83.	81.	203.	188.	116.	124.	138.2	LOW	114.9	226.	232.	229.
13 19 21	LOW	84.	84.	201.	195.	119.	122.	137.2	LOW	112.3	228.	231.	224.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FLEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
13 22 24	LOW	80.	83.	209.	212.	125.	119.	139.5	LOW	94.8	231.	232.	231.
13 22 29	LOW	83.	85.	214.	215.	123.	117.	143.8	LOW	105.8	232.	233.	230.
13 22 34	LOW	74.	80.	219.	223.	128.	117.	156.3	LOW	131.7	242.	239.	237.
13 22 34	LOW	80.	85.	224.	218.	123.	113.	146.3	LOW	124.3	239.	236.	232.
13 22 39	LOW	79.	76.	220.	221.	126.	117.	159.5	LOW	127.2	237.	239.	234.
13 22 44	LOW	80.	77.	221.	219.	124.	116.	158.9	LOW	125.9	236.	239.	233.
13 22 49	LOW	79.	84.	217.	225.	127.	120.	154.4	LOW	123.9	240.	241.	235.
13 22 54	LOW	80.	82.	217.	224.	127.	120.	155.3	LOW	124.9	240.	242.	236.
13 22 59	LOW	81.	78.	223.	219.	121.	115.	158.9	LOW	127.8	235.	239.	236.
13 23 4	LOW	84.	81.	224.	217.	121.	113.	156.8	LOW	122.8	232.	236.	231.
13 23 10	LOW	83.	84.	226.	210.	121.	111.	151.8	LOW	125.9	232.	236.	228.
13 23 15	LOW	80.	82.	222.	216.	127.	114.	155.6	LOW	128.8	235.	238.	232.
13 23 20	LOW	79.	82.	216.	226.	133.	116.	153.1	LOW	125.9	239.	239.	236.
13 23 25	LOW	80.	82.	220.	221.	128.	114.	154.4	LOW	124.9	237.	238.	234.
13 23 30	LOW	77.	74.	219.	221.	128.	119.	158.2	LOW	129.1	240.	243.	238.
13 23 35	LOW	80.	80.	219.	221.	127.	118.	156.3	LOW	125.6	237.	239.	236.
13 23 40	LOW	79.	80.	216.	225.	129.	120.	157.6	LOW	128.5	239.	240.	234.
13 23 45	LOW	81.	80.	221.	221.	125.	116.	157.6	LOW	127.5	237.	237.	235.
13 23 50	LOW	86.	87.	222.	219.	122.	111.	151.1	LOW	117.5	232.	234.	231.
13 23 55	LOW	83.	83.	219.	219.	123.	114.	155.6	LOW	124.3	235.	237.	236.
13 24 0	LOW	84.	85.	217.	223.	124.	117.	153.1	LOW	123.9	233.	237.	234.
13 24 5	LOW	83.	84.	222.	218.	122.	115.	155.3	LOW	124.3	232.	237.	232.
13 24 10	LOW	84.	86.	222.	219.	123.	112.	151.1	LOW	119.4	234.	233.	230.
13 24 15	LOW	85.	87.	224.	219.	121.	113.	151.8	LOW	118.8	233.	232.	228.
13 24 20	LOW	88.	86.	219.	216.	122.	115.	149.2	LOW	116.8	232.	239.	230.
13 24 25	LOW	87.	86.	221.	218.	122.	112.	150.8	LOW	119.1	231.	236.	229.
13 24 30	LOW	79.	81.	217.	226.	129.	117.	158.9	LOW	130.4	242.	241.	241.
13 24 35	LOW	82.	81.	222.	212.	122.	115.	158.2	LOW	128.1	238.	235.	236.
13 24 40	LOW	86.	88.	223.	223.	121.	112.	151.8	LOW	128.7	233.	234.	232.
13 24 50	LOW	85.	87.	226.	221.	128.	111.	153.4	LOW	122.8	232.	234.	230.
13 24 55	LOW	81.	80.	214.	221.	129.	119.	159.5	LOW	131.7	239.	244.	239.
13 25 0	LOW	80.	80.	214.	224.	129.	119.	158.9	LOW	130.4	239.	242.	238.
13 25 5	LOW	78.	80.	224.	218.	121.	114.	160.2	LOW	134.3	239.	239.	233.
13 25 10	LOW	76.	80.	220.	221.	124.	116.	158.8	LOW	132.8	240.	240.	235.
13 25 15	LOW	87.	87.	219.	219.	121.	114.	155.0	LOW	118.8	231.	237.	219.
13 25 23	LOW	82.	81.	218.	221.	124.	115.	158.9	LOW	127.5	235.	239.	236.
13 25 20	LOW	77.	80.	214.	228.	141.	114.	162.1	LOW	133.8	239.	244.	239.
13 25 25	LOW	82.	83.	219.	218.	140.	114.	158.2	LOW	126.5	235.	239.	233.
13 25 30	LOW	86.	87.	226.	222.	145.	117.	151.8	LOW	118.1	233.	236.	229.
13 25 35	LOW	84.	84.	226.	219.	148.	117.	156.0	LOW	123.0	235.	237.	231.
13 25 40	LOW	79.	83.	217.	224.	129.	127.	160.2	LOW	129.9	242.	241.	238.
13 25 46	LOW	83.	82.	221.	222.	125.	121.	157.5	LOW	124.6	236.	237.	233.
13 25 51	LOW	80.	82.	216.	224.	133.	127.	158.9	LOW	129.8	242.	240.	240.
13 25 56	LOW	82.	83.	217.	223.	130.	125.	158.2	LOW	126.2	239.	239.	236.
13 26 1	LOW	84.	86.	228.	215.	119.	116.	157.6	LOW	123.9	229.	237.	228.
13 26 6	LOW	83.	84.	222.	220.	127.	119.	158.2	LOW	126.2	234.	238.	234.
13 26 11	LOW	84.	84.	227.	218.	136.	118.	159.5	LOW	127.2	231.	237.	230.
13 26 16	LOW	82.	79.	220.	221.	142.	116.	158.9	LOW	129.8	236.	240.	235.
13 26 21	LOW	84.	85.	229.	218.	141.	117.	157.6	LOW	123.9	229.	234.	229.

TIME H/M/S	EC 51 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13 26 26	LOW	81.	81.	222.	221.	148.	122.	160.2	LOW	129.4	234.	239.	234.
13 26 31	LOW	79.	80.	219.	221.	147.	126.	162.8	LOW	137.5	230.	241.	234.
13 26 36	LOW	82.	81.	219.	224.	143.	131.	162.4	LOW	131.7	239.	240.	234.
13 26 41	LOW	87.	86.	220.	219.	133.	132.	155.6	LOW	121.4	230.	239.	232.
13 26 46	LOW	87.	85.	223.	217.	132.	129.	156.3	LOW	123.3	230.	237.	231.
13 49 8	LOW	88.	91.	232.	219.	121.	114.	162.8	LOW	134.3	234.	239.	231.
13 49 13	LOW	85.	87.	225.	225.	127.	118.	164.4	LOW	138.2	239.	242.	236.
13 49 18	LOW	82.	82.	221.	224.	129.	118.	160.6	LOW	150.5	242.	245.	240.
13 49 23	LOW	83.	86.	225.	221.	126.	116.	165.7	LOW	141.4	231.	242.	239.
13 49 28	LOW	85.	84.	228.	221.	124.	100.	166.0	LOW	136.2	237.	240.	237.
13 49 33	LOW	83.	82.	226.	220.	125.	108.	167.9	LOW	141.7	239.	242.	240.
13 49 38	LOW	90.	89.	225.	224.	128.	121.	163.4	LOW	135.6	239.	240.	237.
13 49 43	LOW	88.	88.	228.	222.	126.	116.	164.1	LOW	136.2	239.	239.	237.
13 49 48	LOW	84.	83.	228.	221.	125.	117.	165.4	LOW	144.6	239.	242.	240.
13 49 58	LOW	79.	87.	229.	222.	123.	119.	164.1	LOW	137.9	230.	241.	230.
13 50 3	LOW	79.	81.	227.	224.	127.	115.	169.2	LOW	145.9	244.	244.	240.
13 50 8	LOW	80.	82.	226.	224.	127.	116.	168.6	LOW	147.2	241.	244.	241.
13 50 13	LOW	82.	80.	224.	222.	127.	121.	171.2	LOW	145.3	242.	245.	247.
13 50 18	LOW	83.	84.	224.	225.	129.	119.	166.3	LOW	141.1	241.	244.	241.
13 50 18	LOW	80.	80.	217.	229.	131.	123.	169.9	LOW	144.8	244.	249.	244.
13 50 23	LOW	82.	84.	220.	229.	133.	121.	165.7	LOW	140.1	242.	246.	240.
13 50 28	LOW	79.	82.	217.	231.	133.	123.	169.2	LOW	148.5	244.	247.	240.
13 50 33	LOW	79.	82.	220.	228.	132.	123.	169.6	LOW	147.6	245.	247.	241.
13 50 38	LOW	89.	90.	231.	231.	124.	119.	152.1	LOW	129.8	239.	240.	233.
13 50 43	LOW	90.	91.	231.	229.	125.	116.	161.8	LOW	131.7	237.	241.	233.
13 50 48	LOW	86.	86.	223.	230.	129.	123.	156.9	LOW	142.1	242.	245.	239.
13 50 54	LOW	86.	88.	224.	228.	127.	122.	154.5	LOW	137.2	241.	244.	236.
13 50 59	LOW	91.	89.	229.	221.	121.	114.	160.8	LOW	133.0	235.	236.	236.
13 51 4	LOW	85.	85.	225.	223.	124.	117.	165.7	LOW	139.5	239.	241.	239.
13 51 9	LOW	80.	80.	225.	226.	128.	117.	169.2	LOW	147.9	244.	246.	240.
13 51 14	LOW	81.	82.	228.	228.	131.	121.	167.9	LOW	145.6	244.	247.	239.
13 51 19	LOW	90.	90.	228.	228.	125.	121.	162.1	LOW	128.5	240.	240.	232.
13 51 24	LOW	88.	90.	228.	229.	127.	121.	161.8	LOW	132.7	241.	241.	235.
13 51 29	LOW	86.	84.	229.	219.	125.	114.	167.3	LOW	145.3	239.	242.	240.
14 3 13	LOW	85.	84.	229.	223.	125.	115.	164.7	LOW	139.1	240.	241.	237.
14 3 18	LOW	88.	90.	224.	228.	131.	123.	167.9	LOW	145.3	242.	240.	240.
14 3 23	LOW	86.	87.	221.	225.	128.	118.	167.3	LOW	144.3	242.	246.	239.
14 3 33	LOW	87.	87.	211.	217.	125.	114.	164.1	LOW	142.7	239.	244.	240.
14 3 38	LOW	90.	89.	213.	213.	124.	115.	161.8	LOW	139.5	237.	241.	236.
14 3 43	LOW	87.	87.	216.	198.	126.	115.	162.1	LOW	137.5	242.	244.	237.
14 3 43	LOW	88.	88.	213.	202.	125.	114.	159.9	LOW	139.8	240.	244.	233.
14 43 48	LOW	94.	90.	210.	213.	130.	127.	155.6	LOW	142.1	244.	247.	239.
14 3 53	LOW	92.	89.	210.	207.	126.	124.	154.7	LOW	141.7	242.	246.	236.
14 43 58	LOW	85.	84.	196.	203.	129.	123.	159.0	LOW	151.8	244.	239.	246.
14 4 3	LOW	84.	83.	197.	203.	130.	127.	154.4	LOW	150.8	247.	246.	243.
14 4 8	LOW	94.	91.	204.	193.	126.	126.	144.6	LOW	132.4	239.	244.	233.
14 4 14	LOW	94.	91.	202.	191.	125.	125.	143.4	LOW	135.3	238.	243.	235.
14 4 19	LOW	95.	95.	198.	191.	126.	125.	138.8	LOW	133.6	237.	241.	236.
14 4 24	LOW	93.	94.	196.	192.	127.	128.	137.2	LOW	134.9	240.	242.	235.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
14 4 29	LOW	91.	90.	196.	183.	123.	126.	136.2	LOW	138.2	239.	246.	234.
14 4 34	LOW	89.	89.	190.	188.	119.	131.	138.5	LOW	138.2	243.	248.	236.
14 4 39	LOW	84.	79.	185.	185.	134.	126.	139.5	LOW	146.5	247.	252.	239.
14 4 44	LOW	82.	82.	182.	184.	134.	129.	137.5	LOW	147.9	249.	252.	242.
14 4 49	LOW	90.	90.	175.	183.	130.	134.	125.9	LOW	138.4	246.	249.	229.
14 4 54	LOW	88.	86.	175.	178.	129.	126.	128.5	LOW	135.6	245.	249.	234.
14 4 59	LOW	86.	88.	183.	175.	131.	123.	125.9	LOW	136.2	248.	249.	240.
14 5 4	LOW	83.	86.	166.	173.	132.	124.	128.1	LOW	139.1	251.	249.	241.
14 5 9	LOW	83.	82.	168.	169.	137.	123.	131.7	LOW	146.6	249.	256.	246.
14 5 14	LOW	84.	85.	164.	175.	131.	124.	127.8	LOW	131.1	249.	255.	242.
14 5 19	LOW	90.	89.	166.	167.	126.	116.	123.9	LOW	133.6	242.	248.	239.
14 5 24	LOW	89.	88.	167.	171.	126.	119.	125.9	LOW	136.2	246.	251.	240.
14 5 29	LOW	81.	84.	161.	184.	134.	122.	129.1	LOW	149.2	255.	256.	247.
14 5 39	LOW	83.	85.	156.	186.	134.	124.	127.2	LOW	143.7	254.	258.	246.
14 5 39	LOW	80.	82.	157.	187.	134.	126.	128.5	LOW	142.1	259.	263.	247.
14 5 44	LOW	84.	84.	158.	182.	132.	122.	126.9	LOW	140.4	255.	260.	246.
14 5 49	LOW	80.	84.	161.	183.	134.	127.	127.8	LOW	141.8	260.	265.	247.
14 5 54	LOW	81.	83.	163.	189.	136.	130.	130.7	LOW	139.5	259.	266.	249.
14 5 59	LOW	93.	90.	203.	203.	129.	124.	146.8	LOW	141.4	256.	262.	250.
14 6 9	LOW	94.	92.	228.	213.	127.	123.	143.7	LOW	134.8	255.	261.	252.
14 6 14	LOW	80.	82.	239.	236.	133.	116.	149.8	LOW	148.1	265.	266.	260.
14 6 19	LOW	82.	84.	238.	237.	132.	121.	148.2	LOW	139.5	261.	263.	259.
14 6 19	LOW	79.	82.	238.	231.	130.	119.	149.8	LOW	142.1	260.	261.	258.
14 6 24	LOW	84.	86.	236.	229.	124.	117.	148.2	LOW	136.6	255.	259.	253.
14 15 29	LOW	83.	83.	238.	237.	134.	124.	155.8	LOW	140.8	260.	266.	260.
14 14 36	LOW	88.	87.	234.	232.	128.	117.	161.5	LOW	140.4	258.	257.	253.
14 14 41	LOW	95.	93.	248.	231.	123.	110.	164.1	LOW	138.2	243.	247.	246.
14 14 46	LOW	90.	91.	234.	234.	127.	117.	166.6	LOW	142.4	248.	252.	249.
14 14 51	LOW	94.	93.	242.	226.	121.	114.	166.6	LOW	138.9	244.	239.	248.
14 15 1	LOW	89.	89.	238.	228.	122.	115.	169.2	LOW	141.4	247.	246.	243.
14 15 6	LOW	89.	91.	233.	239.	129.	120.	167.9	LOW	138.2	251.	252.	246.
14 15 11	LOW	89.	92.	236.	239.	128.	120.	167.3	LOW	136.2	251.	252.	249.
14 15 11	LOW	86.	84.	234.	232.	127.	116.	172.5	LOW	148.5	254.	253.	249.
14 15 16	LOW	88.	90.	234.	233.	127.	117.	168.6	LOW	142.7	252.	251.	247.
14 15 21	LOW	84.	90.	233.	239.	132.	121.	167.9	LOW	144.6	253.	254.	250.
14 15 26	LOW	87.	90.	236.	233.	128.	119.	170.5	LOW	144.8	253.	252.	250.
14 15 31	LOW	90.	90.	237.	224.	125.	111.	169.2	LOW	144.8	246.	247.	245.
14 15 36	LOW	92.	91.	237.	226.	124.	111.	167.9	LOW	141.4	243.	247.	243.
14 15 42	LOW	95.	94.	241.	225.	121.	114.	167.3	LOW	138.2	243.	247.	248.
14 15 47	LOW	90.	90.	234.	230.	124.	118.	170.9	LOW	144.6	249.	252.	247.
14 15 52	LOW	82.	86.	232.	234.	130.	120.	174.4	LOW	149.2	254.	257.	251.
14 17 19	LOW	84.	86.	230.	231.	122.	117.	173.4	LOW	145.3	251.	254.	248.
14 17 24	LOW	87.	91.	224.	235.	118.	120.	167.3	LOW	142.7	251.	251.	247.
14 17 29	LOW	89.	91.	232.	233.	121.	115.	168.9	LOW	142.4	249.	250.	246.
14 17 34	LOW	95.	93.	241.	229.	128.	118.	166.6	LOW	139.5	246.	250.	245.
14 17 39	LOW	90.	91.	235.	230.	122.	117.	170.2	LOW	137.9	247.	245.	248.
14 17 44	LOW	85.	85.	227.	233.	139.	123.	172.5	LOW	150.5	249.	257.	249.
14 17 54	LOW	90.	90.	229.	235.	135.	121.	169.9	LOW	143.0	247.	253.	248.
14 17 59	LOW	91.	94.	239.	235.	133.	117.	154.8	LOW	138.8	249.	246.	244.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
14 18 4	LOW	89.	92.	239.	232.	127.	116.	168.6	LOW	148.4	248.	247.	245.
14 18 4	LOW	90.	91.	236.	230.	132.	185.	169.9	LOW	148.8	244.	247.	244.
14 18 9	LOW	93.	92.	238.	229.	126.	111.	168.6	LOW	138.2	243.	247.	242.
14 18 14	LOW	90.	91.	231.	234.	127.	122.	169.2	LOW	144.6	250.	252.	247.
14 18 19	LOW	91.	91.	234.	234.	127.	121.	168.9	LOW	143.8	248.	251.	246.
14 32 7	LOW	81.	86.	226.	245.	123.	117.	170.5	LOW	160.8	240.	238.	235.
14 32 13	LOW	86.	89.	238.	239.	124.	113.	167.0	LOW	153.1	243.	243.	237.
14 32 18	LOW	90.	90.	237.	233.	126.	118.	161.5	LOW	145.9	246.	249.	248.
14 32 23	LOW	90.	90.	236.	234.	128.	189.	164.1	LOW	145.6	246.	249.	248.
14 32 28	LOW	91.	90.	234.	233.	132.	115.	162.1	LOW	143.4	246.	249.	246.
14 32 33	LOW	91.	91.	234.	231.	130.	114.	162.4	LOW	142.7	246.	246.	241.
14 32 39	LOW	91.	92.	233.	228.	110.	111.	162.1	LOW	143.4	246.	245.	237.
14 32 44	LOW	90.	92.	232.	225.	118.	111.	162.4	LOW	143.8	246.	244.	237.
14 32 49	LOW	91.	92.	230.	219.	127.	112.	162.8	LOW	142.1	245.	241.	239.
14 32 54	LOW	91.	92.	238.	219.	127.	112.	162.8	LOW	145.9	245.	248.	238.
14 32 59	LOW	91.	90.	228.	214.	127.	112.	162.1	LOW	142.1	244.	240.	237.
14 33 4	LOW	88.	91.	228.	215.	124.	112.	162.4	LOW	142.4	243.	239.	234.
14 33 9	LOW	90.	90.	219.	216.	126.	105.	163.4	LOW	144.8	242.	240.	236.
14 33 14	LOW	90.	90.	222.	215.	129.	109.	163.4	LOW	143.8	242.	241.	234.

C COMMUTATOR

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
13 1 1	87.	84.	86.	86.	88.	86.	84.	84.	83.	84.	88.	89.	89.
13 1 12	86.	84.	86.	86.	88.	86.	83.	85.	83.	84.	88.	89.	89.
13 1 17	86.	84.	84.	87.	88.	85.	84.	88.	84.	84.	88.	90.	90.
13 1 22	87.	85.	85.	87.	88.	85.	84.	86.	84.	84.	88.	90.	90.
13 1 27	79.	85.	86.	87.	88.	85.	82.	84.	84.	74.	89.	89.	89.
13 1 32	82.	85.	86.	87.	88.	85.	83.	83.	84.	76.	89.	89.	89.
13 1 32	80.	85.	86.	87.	88.	79.	82.	84.	84.	84.	87.	90.	90.
13 1 38	83.	85.	86.	87.	88.	82.	83.	94.	84.	84.	88.	90.	90.
13 41 48	86.	84.	86.	86.	88.	82.	84.	84.	84.	83.	88.	90.	90.
13 1 53	86.	85.	87.	86.	88.	79.	84.	86.	83.	83.	88.	90.	90.
13 41 58	86.	85.	86.	87.	86.	84.	84.	84.	85.	84.	88.	84.	90.
13 41 58	86.	85.	85.	87.	88.	84.	84.	84.	84.	84.	88.	87.	89.
13 2 3	86.	85.	86.	86.	87.	84.	83.	84.	84.	84.	89.	90.	88.
13 42 8	85.	85.	86.	87.	87.	84.	86.	84.	84.	79.	88.	90.	89.
13 2 13	88.	84.	84.	86.	88.	85.	83.	84.	84.	84.	90.	89.	90.
13 2 18	87.	85.	86.	86.	88.	85.	84.	84.	84.	84.	89.	81.	89.
13 2 23	86.	86.	86.	86.	87.	86.	82.	84.	84.	84.	90.	87.	90.
13 4 6	86.	85.	86.	87.	87.	86.	82.	84.	84.	84.	89.	87.	90.
13 4 11	85.	84.	85.	85.	87.	84.	82.	82.	84.	84.	84.	87.	84.
13 4 11	86.	84.	85.	85.	87.	84.	83.	83.	84.	84.	83.	91.	87.
13 4 16	74.	84.	86.	86.	85.	85.	84.	84.	84.	84.	83.	84.	89.
13 4 21	79.	85.	86.	85.	86.	85.	82.	85.	83.	83.	84.	87.	89.
13 4 26	84.	79.	85.	86.	88.	84.	84.	86.	84.	84.	82.	90.	87.
13 4 31	85.	81.	85.	87.	88.	84.	83.	85.	84.	86.	83.	89.	88.
13 4 44	84.	84.	85.	88.	86.	74.	83.	84.	85.	84.	86.	89.	89.
13 4 42	85.	84.	85.	86.	86.	79.	82.	84.	84.	85.	80.	89.	90.
13 4 47	86.	84.	87.	86.	86.	84.	83.	84.	84.	84.	84.	90.	90.
13 4 52	86.	85.	87.	85.	87.	84.	83.	84.	81.	84.	84.	90.	89.
13 4 65	84.	84.	86.	86.	86.	85.	83.	84.	84.	84.	85.	89.	90.
13 5 2	85.	85.	86.	86.	87.	85.	83.	94.	83.	84.	84.	89.	89.
13 5 7	88.	82.	84.	84.	88.	85.	84.	94.	84.	84.	83.	89.	88.
13 5 12	88.	83.	85.	87.	87.	85.	83.	84.	84.	84.	83.	87.	87.
13 5 17	88.	84.	86.	87.	88.	85.	84.	94.	84.	85.	79.	86.	84.
13 5 22	86.	84.	86.	86.	86.	85.	84.	84.	85.	82.	83.	87.	87.
13 5 27	84.	85.	86.	86.	88.	85.	87.	79.	86.	85.	86.	89.	90.
13 5 32	84.	85.	86.	86.	88.	84.	85.	81.	86.	87.	86.	89.	89.
13 5 37	86.	84.	85.	87.	87.	94.	82.	94.	87.	85.	86.	89.	89.
13 5 42	85.	85.	86.	85.	87.	85.	83.	84.	87.	86.	86.	89.	89.
13 5 47	84.	85.	86.	86.	88.	84.	83.	86.	88.	86.	84.	90.	89.
13 5 52	85.	84.	85.	86.	88.	94.	83.	85.	88.	86.	83.	89.	89.
13 5 57	85.	84.	85.	86.	87.	94.	83.	96.	90.	88.	81.	90.	90.
13 6 7	85.	85.	86.	86.	87.	94.	83.	85.	87.	88.	81.	90.	90.
13 6 7	86.	84.	86.	87.	86.	86.	82.	85.	90.	91.	82.	89.	89.
13 6 12	86.	84.	86.	86.	87.	85.	83.	84.	91.	91.	83.	90.	87.
13 6 17	85.	86.	86.	86.	84.	83.	94.	92.	91.	88.	82.	91.	90.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTL COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
13 6 22	85.	86.	85.	86.	86.	84.	83.	83.	91.	86.	82.	90.	89.
13 6 27	76.	86.	85.	86.	86.	86.	82.	85.	90.	91.	81.	90.	90.
13 6 37	81.	86.	86.	86.	86.	85.	83.	84.	92.	92.	82.	90.	90.
13 6 42	85.	84.	86.	86.	85.	84.	83.	84.	94.	91.	82.	88.	89.
13 6 47	85.	84.	86.	86.	85.	84.	83.	84.	93.	91.	83.	88.	89.
13 6 47	84.	87.	86.	86.	87.	88.	86.	78.	92.	90.	82.	90.	88.
13 6 52	85.	86.	86.	86.	88.	87.	84.	88.	93.	90.	82.	90.	89.
13 6 57	86.	85.	85.	87.	90.	84.	84.	84.	97.	93.	82.	90.	90.
13 7 2	86.	85.	85.	86.	90.	79.	83.	84.	96.	93.	81.	89.	90.
13 7 7	87.	84.	86.	86.	89.	84.	83.	85.	100.	93.	81.	90.	90.
13 7 12	86.	83.	85.	86.	87.	84.	83.	84.	98.	92.	81.	90.	90.
13 7 18	86.	82.	86.	84.	86.	83.	84.	84.	95.	90.	82.	90.	89.
13 7 23	86.	83.	86.	85.	87.	84.	83.	84.	96.	92.	81.	90.	89.
13 7 28	84.	86.	86.	87.	84.	84.	82.	85.	99.	95.	88.	88.	89.
13 7 33	85.	86.	86.	87.	86.	84.	82.	85.	97.	96.	88.	89.	89.
13 7 38	86.	87.	84.	86.	89.	85.	83.	84.	101.	101.	79.	90.	90.
13 7 43	86.	87.	85.	86.	88.	84.	83.	82.	99.	99.	80.	89.	89.
13 7 48	85.	84.	84.	85.	89.	84.	84.	84.	102.	100.	82.	92.	90.
13 7 53	86.	84.	85.	85.	88.	85.	84.	86.	100.	99.	82.	90.	89.
13 7 58	86.	84.	86.	86.	91.	86.	82.	89.	103.	103.	81.	87.	90.
13 8 3	86.	84.	86.	86.	90.	86.	83.	90.	102.	101.	81.	88.	89.
13 48 8	84.	86.	86.	88.	91.	88.	84.	92.	105.	101.	80.	89.	84.
13 8 13	86.	85.	87.	87.	92.	87.	85.	94.	103.	100.	81.	92.	86.
13 8 18	87.	85.	87.	86.	97.	91.	86.	98.	101.	97.	79.	90.	90.
13 8 23	87.	86.	87.	87.	95.	91.	86.	99.	103.	99.	80.	90.	90.
13 8 28	86.	90.	86.	90.	93.	91.	88.	101.	105.	97.	81.	90.	89.
13 8 33	86.	89.	87.	89.	91.	91.	90.	100.	104.	98.	80.	90.	89.
13 8 43	86.	90.	88.	88.	92.	91.	93.	101.	103.	97.	81.	88.	90.
13 8 43	86.	90.	87.	88.	91.	91.	95.	105.	103.	97.	81.	88.	89.
13 48 48	86.	90.	86.	87.	91.	92.	94.	100.	105.	101.	81.	88.	89.
13 8 53	87.	90.	88.	87.	91.	92.	94.	105.	106.	101.	78.	89.	89.
13 8 58	82.	87.	85.	82.	84.	87.	96.	106.	101.	95.	80.	90.	89.
13 9 3	85.	90.	87.	86.	88.	92.	100.	102.	102.	98.	80.	89.	88.
13 9 13	85.	87.	85.	84.	84.	84.	101.	110.	102.	95.	80.	89.	90.
13 9 18	90.	92.	88.	90.	91.	92.	98.	107.	105.	100.	80.	88.	90.
13 9 23	80.	89.	88.	85.	85.	91.	105.	110.	105.	96.	88.	91.	88.
13 9 28	83.	90.	88.	87.	85.	91.	102.	112.	105.	98.	79.	88.	89.
13 9 28	91.	99.	74.	89.	97.	103.	103.	99.	108.	102.	88.	89.	86.
13 9 33	84.	95.	81.	89.	92.	97.	104.	108.	107.	100.	80.	90.	89.
13 9 38	87.	99.	90.	91.	92.	97.	97.	115.	112.	103.	78.	90.	90.
13 9 43	87.	96.	91.	90.	90.	90.	100.	115.	111.	105.	78.	90.	90.
13 49 48	84.	88.	79.	83.	85.	88.	120.	105.	102.	93.	80.	88.	89.
13 9 53	87.	93.	85.	85.	90.	90.	98.	117.	103.	106.	90.	88.	87.
13 9 59	82.	89.	88.	86.	82.	95.	113.	110.	106.	99.	80.	90.	89.
13 10 4	82.	89.	88.	85.	82.	95.	117.	117.	105.	98.	80.	90.	90.
13 10 9	87.	96.	92.	90.	88.	105.	110.	116.	110.	107.	76.	90.	90.
13 10 22	86.	93.	90.	88.	85.	101.	114.	118.	109.	104.	79.	90.	90.
13 10 19	83.	90.	85.	80.	86.	95.	116.	118.	105.	99.	78.	89.	90.
13 10 24	85.	92.	89.	84.	87.	99.	117.	118.	107.	100.	77.	90.	91.

TIME H/M/S	PF 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT FOR AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 3 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
13 10 29	92.	97.	93.	95.	90.	105.	116.	115.	113.	108.	77.	88.	90.
13 10 34	94.	96.	93.	95.	93.	109.	118.	114.	114.	108.	78.	88.	90.
13 10 39	93.	95.	97.	90.	91.	116.	115.	117.	105.	110.	79.	90.	90.
13 10 44	88.	92.	92.	84.	87.	118.	122.	116.	106.	104.	79.	89.	89.
13 10 49	86.	93.	90.	89.	85.	106.	124.	123.	110.	103.	78.	91.	91.
13 10 54	86.	89.	87.	86.	85.	104.	129.	121.	108.	101.	79.	90.	90.
13 11 43	93.	95.	94.	91.	93.	126.	137.	115.	116.	113.	79.	88.	89.
13 51 48	95.	97.	97.	93.	93.	128.	135.	118.	116.	111.	79.	90.	87.
13 51 58	94.	103.	98.	95.	95.	133.	116.	117.	119.	110.	79.	89.	85.
13 12 3	97.	103.	97.	98.	96.	131.	127.	118.	116.	118.	79.	88.	89.
13 12 3	93.	101.	98.	95.	91.	131.	129.	121.	117.	112.	76.	89.	89.
13 52 8	91.	99.	97.	95.	91.	129.	132.	122.	116.	110.	76.	89.	89.
13 12 13	94.	98.	91.	94.	98.	129.	151.	117.	113.	108.	82.	88.	93.
13 12 18	91.	100.	93.	96.	98.	129.	140.	123.	116.	105.	79.	88.	91.
13 12 28	97.	105.	98.	103.	102.	137.	139.	124.	120.	112.	78.	88.	88.
13 12 33	95.	102.	95.	99.	98.	135.	148.	121.	117.	108.	79.	87.	88.
13 12 38	85.	92.	84.	92.	94.	125.	150.	128.	114.	105.	77.	90.	90.
13 12 38	90.	97.	92.	95.	96.	135.	152.	120.	113.	105.	78.	89.	88.
13 12 43	90.	100.	96.	99.	95.	136.	139.	125.	118.	112.	76.	87.	90.
13 52 48	88.	99.	93.	95.	97.	137.	147.	123.	116.	107.	76.	87.	88.
13 12 53	101.	101.	98.	101.	104.	143.	156.	119.	117.	101.	77.	87.	87.
13 12 58	98.	101.	98.	100.	104.	146.	157.	116.	116.	104.	78.	87.	86.
13 13 3	93.	105.	99.	103.	103.	140.	149.	126.	121.	112.	77.	88.	94.
13 13 9	95.	106.	100.	103.	102.	144.	149.	124.	121.	112.	77.	89.	91.
13 13 14	90.	105.	99.	102.	103.	142.	148.	130.	123.	112.	75.	87.	90.
13 13 19	89.	100.	92.	99.	101.	137.	155.	129.	119.	108.	76.	88.	89.
13 13 24	95.	106.	98.	99.	108.	150.	164.	121.	117.	106.	78.	85.	87.
13 13 29	96.	106.	99.	103.	108.	150.	162.	121.	116.	107.	78.	86.	87.
13 13 34	90.	99.	93.	94.	99.	143.	167.	124.	112.	104.	79.	88.	88.
13 13 39	92.	103.	96.	96.	102.	149.	167.	123.	115.	105.	78.	86.	87.
13 13 44	90.	99.	93.	95.	98.	141.	165.	133.	119.	108.	78.	92.	90.
13 13 49	91.	99.	97.	98.	99.	145.	161.	130.	120.	111.	76.	90.	89.
13 13 54	84.	99.	96.	98.	102.	143.	158.	139.	121.	111.	76.	90.	91.
13 13 59	87.	99.	91.	99.	101.	143.	165.	135.	118.	108.	76.	90.	91.
13 14 4	102.	108.	107.	105.	107.	163.	172.	128.	118.	110.	80.	87.	79.
13 14 9	95.	108.	104.	103.	107.	161.	173.	125.	118.	109.	79.	85.	83.
13 14 14	92.	108.	93.	96.	99.	147.	174.	134.	117.	108.	77.	89.	90.
13 14 19	92.	103.	94.	99.	99.	146.	170.	137.	119.	111.	75.	89.	91.
13 14 24	86.	101.	97.	96.	95.	149.	169.	126.	121.	114.	74.	90.	90.
13 14 34	89.	102.	98.	99.	95.	149.	158.	132.	122.	112.	75.	91.	90.
13 14 34	99.	108.	99.	103.	103.	160.	187.	129.	117.	105.	79.	86.	86.
13 14 39	96.	106.	100.	102.	97.	156.	180.	134.	120.	111.	78.	89.	88.
13 14 44	105.	113.	105.	111.	95.	166.	181.	129.	124.	111.	76.	88.	88.
13 14 49	95.	109.	94.	103.	96.	160.	176.	133.	124.	112.	76.	88.	90.
13 14 54	84.	107.	99.	98.	97.	160.	172.	138.	126.	115.	74.	90.	89.
13 15 4	93.	110.	103.	102.	99.	152.	178.	134.	124.	114.	74.	90.	88.
13 15 9	104.	111.	103.	105.	105.	169.	191.	130.	121.	107.	78.	86.	88.
13 15 14	98.	110.	99.	101.	104.	158.	192.	130.	121.	107.	77.	86.	88.
13 15 19	86.	103.	95.	91.	94.	159.	193.	138.	119.	108.	74.	90.	90.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 18 TEMP HYD OIL OUTLET UTC COOLER	EC 96 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
13 15 19	93.	107.	102.	99.	99.	166.	193.	133.	120.	111.	75.	88.	88.
13 15 24	99.	113.	104.	100.	103.	170.	109.	134.	125.	113.	75.	88.	66.
13 15 29	93.	104.	100.	100.	100.	165.	193.	136.	123.	109.	76.	86.	88.
13 15 34	95.	110.	105.	101.	103.	176.	193.	128.	123.	111.	76.	86.	87.
13 15 39	95.	106.	102.	96.	100.	173.	197.	128.	120.	109.	76.	87.	87.
13 15 44	97.	108.	103.	100.	97.	172.	203.	128.	119.	108.	78.	87.	87.
13 15 50	97.	109.	103.	100.	97.	176.	202.	128.	120.	119.	78.	86.	66.
13 15 55	95.	106.	99.	97.	98.	171.	200.	134.	121.	100.	60.	90.	88.
13 16 0	90.	105.	99.	95.	96.	169.	200.	135.	120.	119.	79.	89.	88.
13 16 5	89.	101.	97.	90.	94.	167.	207.	139.	121.	108.	78.	89.	89.
13 16 10	93.	106.	102.	97.	96.	171.	203.	130.	122.	112.	76.	88.	88.
13 16 15	87.	97.	95.	92.	91.	161.	199.	145.	123.	112.	76.	91.	84.
13 16 20	88.	100.	96.	94.	91.	162.	190.	143.	124.	113.	76.	91.	87.
13 16 25	92.	106.	97.	93.	95.	170.	212.	130.	119.	106.	80.	88.	60.
13 16 30	89.	100.	92.	91.	94.	167.	206.	140.	122.	100.	77.	88.	89.
13 16 35	95.	113.	105.	101.	99.	180.	204.	133.	125.	114.	76.	87.	91.
13 16 40	95.	110.	100.	99.	99.	182.	207.	131.	123.	113.	76.	87.	69.
13 16 53	92.	100.	101.	95.	97.	174.	100.	142.	120.	110.	75.	80.	90.
13 16 50	92.	100.	100.	94.	96.	174.	190.	140.	125.	111.	76.	88.	87.
13 56 55	87.	106.	99.	94.	97.	177.	212.	134.	110.	110.	76.	91.	86.
13 17 0	91.	107.	90.	95.	97.	176.	214.	137.	117.	100.	77.	89.	87.
13 17 10	91.	112.	100.	97.	97.	171.	190.	145.	127.	117.	75.	89.	89.
13 17 10	94.	114.	103.	99.	100.	177.	200.	140.	126.	114.	75.	88.	88.
13 17 15	83.	105.	95.	91.	93.	167.	203.	146.	116.	113.	74.	89.	90.
13 17 20	87.	106.	97.	92.	95.	173.	207.	143.	110.	109.	76.	88.	89.
13 17 25	89.	107.	99.	91.	99.	177.	210.	144.	124.	106.	77.	88.	88.
13 17 30	92.	111.	99.	94.	102.	100.	211.	130.	123.	100.	77.	85.	87.
13 17 40	92.	110.	101.	93.	103.	100.	212.	139.	121.	107.	77.	86.	88.
13 17 45	88.	107.	97.	91.	99.	174.	200.	143.	123.	110.	76.	87.	89.
13 17 50	95.	115.	102.	97.	100.	105.	213.	135.	122.	100.	70.	86.	86.
13 17 55	94.	113.	101.	96.	107.	193.	213.	137.	122.	110.	76.	85.	87.
13 17 55	82.	105.	99.	89.	94.	172.	205.	147.	127.	110.	75.	90.	84.
13 18 0	89.	100.	102.	96.	96.	174.	205.	145.	127.	119.	74.	90.	86.
13 18 5	97.	115.	103.	102.	103.	100.	206.	141.	129.	116.	74.	88.	88.
13 18 10	92.	111.	102.	98.	99.	177.	202.	143.	130.	110.	74.	88.	89.
13 18 15	84.	110.	103.	97.	97.	106.	216.	136.	123.	111.	70.	87.	86.
13 18 20	89.	109.	101.	96.	99.	102.	216.	139.	123.	110.	70.	87.	87.
13 18 26	92.	114.	103.	98.	101.	176.	204.	147.	130.	119.	74.	89.	89.
13 18 31	90.	100.	99.	94.	99.	174.	209.	147.	127.	117.	75.	88.	89.
13 18 36	91.	105.	99.	95.	99.	170.	204.	149.	120.	120.	75.	90.	89.
13 18 41	90.	105.	100.	95.	99.	172.	203.	149.	129.	120.	74.	90.	89.
13 18 46	84.	100.	90.	93.	103.	100.	210.	145.	123.	100.	70.	87.	89.
13 18 51	92.	110.	99.	90.	106.	102.	217.	144.	125.	106.	76.	86.	88.
13 18 56	89.	110.	101.	95.	99.	175.	204.	149.	134.	121.	75.	89.	90.
13 19 1	87.	100.	90.	95.	99.	171.	203.	155.	132.	119.	75.	89.	90.
13 19 6	97.	116.	106.	101.	110.	103.	200.	143.	120.	117.	74.	86.	86.
13 19 11	93.	113.	105.	100.	105.	100.	204.	143.	130.	119.	74.	60.	87.
13 19 16	95.	114.	106.	103.	105.	100.	206.	144.	130.	117.	69.	64.	80.
13 19 21	94.	110.	103.	90.	104.	179.	206.	140.	131.	119.	72.	87.	89.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
13 22 24	94.	111.	106.	105.	104.	174.	204.	151.	127.	119.	76.	90.	90.
13 22 29	89.	106.	105.	95.	96.	171.	209.	156.	125.	119.	76.	90.	89.
13 22 34	90.	103.	107.	90.	95.	172.	227.	151.	121.	111.	76.	87.	86.
13 22 34	97.	103.	107.	91.	95.	169.	219.	156.	125.	115.	75.	88.	87.
13 22 39	97.	105.	106.	91.	99.	172.	221.	154.	125.	116.	76.	86.	87.
13 22 44	96.	107.	106.	93.	100.	174.	219.	155.	127.	114.	75.	89.	87.
13 22 49	95.	103.	104.	87.	95.	169.	223.	160.	125.	111.	77.	88.	88.
13 22 54	95.	99.	104.	87.	95.	170.	224.	159.	125.	110.	78.	86.	87.
13 22 59	97.	107.	108.	95.	97.	177.	221.	152.	120.	115.	74.	84.	86.
13 23 4	93.	105.	107.	92.	96.	173.	215.	150.	131.	119.	74.	87.	87.
13 23 10	90.	108.	109.	94.	95.	169.	212.	159.	129.	118.	74.	88.	88.
13 23 15	92.	107.	108.	91.	96.	172.	217.	157.	126.	116.	75.	86.	88.
13 23 20	92.	101.	103.	85.	88.	159.	223.	160.	125.	113.	78.	88.	88.
13 23 25	96.	104.	108.	91.	92.	172.	216.	159.	127.	115.	76.	88.	87.
13 23 30	100.	105.	95.	92.	95.	171.	226.	158.	126.	118.	78.	87.	86.
13 23 35	93.	103.	98.	88.	92.	166.	219.	162.	127.	112.	76.	88.	88.
13 23 40	93.	103.	103.	84.	98.	169.	224.	158.	123.	112.	78.	88.	87.
13 23 45	95.	107.	106.	91.	97.	172.	228.	159.	127.	116.	76.	87.	87.
13 23 50	84.	103.	105.	88.	91.	167.	218.	157.	128.	119.	76.	90.	89.
13 23 35	92.	106.	106.	92.	95.	171.	216.	154.	129.	116.	76.	87.	88.
13 24 0	84.	97.	99.	84.	89.	165.	216.	167.	129.	116.	76.	90.	89.
13 24 5	90.	103.	105.	90.	93.	169.	215.	163.	127.	118.	75.	87.	89.
13 24 10	87.	95.	107.	87.	90.	165.	220.	171.	128.	116.	76.	90.	89.
13 24 15	90.	99.	100.	91.	90.	163.	216.	165.	129.	110.	75.	88.	89.
13 24 20	89.	101.	105.	87.	90.	160.	209.	169.	130.	117.	74.	89.	90.
13 24 25	89.	102.	105.	87.	90.	161.	209.	166.	129.	115.	74.	89.	89.
13 24 30	93.	102.	105.	89.	95.	170.	222.	168.	124.	118.	76.	86.	88.
13 24 35	95.	106.	108.	93.	96.	169.	219.	159.	127.	115.	75.	87.	87.
13 24 40	87.	102.	107.	86.	90.	163.	211.	165.	128.	119.	75.	91.	87.
13 24 50	89.	101.	108.	90.	91.	162.	211.	166.	129.	120.	74.	92.	88.
13 24 55	90.	101.	105.	82.	93.	169.	221.	168.	126.	118.	77.	87.	91.
13 25 0	91.	102.	105.	85.	92.	168.	221.	161.	123.	118.	76.	87.	90.
13 25 5	101.	110.	114.	95.	97.	176.	221.	154.	125.	116.	76.	87.	85.
13 25 10	90.	108.	111.	90.	96.	173.	223.	168.	125.	112.	77.	87.	86.
13 25 15	85.	106.	105.	88.	90.	168.	211.	170.	137.	120.	74.	90.	90.
13 25 23	89.	107.	107.	81.	93.	167.	217.	164.	132.	116.	75.	87.	88.
13 25 28	95.	105.	107.	87.	95.	172.	224.	168.	126.	108.	77.	86.	86.
13 25 25	92.	105.	107.	88.	92.	169.	217.	163.	128.	112.	75.	88.	87.
13 25 30	91.	103.	105.	89.	87.	161.	212.	160.	130.	112.	74.	91.	90.
13 25 35	96.	106.	110.	91.	91.	169.	215.	165.	130.	114.	75.	89.	88.
13 25 40	93.	106.	103.	89.	96.	167.	222.	164.	136.	112.	78.	88.	88.
13 25 46	89.	106.	106.	90.	93.	152.	216.	160.	137.	116.	76.	88.	88.
13 25 51	93.	105.	106.	89.	95.	171.	223.	160.	131.	116.	76.	88.	88.
13 25 56	91.	104.	104.	87.	92.	166.	221.	170.	134.	118.	76.	89.	89.
13 26 1	94.	111.	111.	95.	97.	171.	216.	167.	139.	124.	74.	89.	89.
13 26 6	93.	106.	108.	90.	93.	170.	218.	166.	135.	120.	75.	91.	89.
13 26 11	99.	113.	114.	99.	95.	175.	216.	164.	134.	125.	74.	88.	87.
13 26 16	91.	112.	105.	93.	95.	176.	228.	163.	132.	120.	75.	88.	87.
13 26 21	97.	107.	113.	99.	97.	170.	214.	162.	138.	127.	74.	88.	88.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
13 26 26	96.	108.	111.	93.	95.	173.	219.	162.	137.	124.	75.	87.	86.
13 26 31	97.	109.	113.	92.	97.	188.	222.	157.	141.	116.	76.	85.	86.
13 26 36	93.	104.	108.	89.	93.	159.	222.	164.	141.	119.	76.	87.	90.
13 26 41	87.	104.	106.	88.	90.	163.	213.	173.	146.	128.	74.	90.	90.
13 26 46	89.	105.	109.	90.	91.	166.	211.	170.	145.	131.	74.	89.	89.
13 49 8	91.	103.	110.	92.	90.	175.	216.	182.	140.	121.	76.	87.	88.
13 49 13	91.	99.	107.	87.	87.	174.	222.	181.	133.	117.	77.	87.	87.
13 49 18	95.	105.	116.	88.	95.	188.	228.	173.	134.	119.	76.	86.	86.
13 49 23	92.	104.	115.	88.	92.	177.	228.	179.	136.	122.	77.	87.	87.
13 49 28	100.	105.	119.	94.	94.	182.	228.	177.	126.	123.	79.	88.	88.
13 49 33	98.	107.	117.	92.	95.	182.	222.	173.	129.	121.	79.	87.	87.
13 49 38	86.	99.	118.	84.	85.	163.	216.	186.	134.	118.	76.	89.	91.
13 49 43	90.	101.	113.	90.	88.	167.	218.	183.	134.	121.	76.	88.	89.
13 49 48	95.	108.	119.	92.	90.	183.	223.	172.	134.	121.	79.	87.	86.
13 49 58	92.	104.	116.	89.	89.	176.	219.	181.	135.	121.	78.	88.	88.
13 50 3	99.	104.	117.	91.	93.	183.	229.	178.	129.	117.	78.	88.	84.
13 50 8	97.	105.	117.	91.	94.	183.	227.	171.	131.	116.	79.	87.	85.
13 50 13	96.	105.	116.	91.	95.	178.	224.	176.	133.	118.	79.	88.	86.
13 50 18	89.	101.	113.	85.	88.	172.	227.	188.	133.	117.	78.	89.	87.
13 50 18	90.	100.	110.	83.	91.	176.	228.	178.	128.	113.	88.	86.	86.
13 50 23	87.	97.	111.	81.	87.	171.	228.	181.	129.	115.	80.	88.	87.
13 50 28	88.	98.	111.	88.	90.	174.	228.	177.	129.	112.	79.	88.	87.
13 50 33	91.	100.	111.	83.	93.	174.	238.	177.	129.	111.	79.	87.	87.
13 50 38	98.	98.	112.	89.	84.	157.	218.	198.	133.	119.	77.	98.	98.
13 50 43	91.	100.	115.	91.	86.	172.	219.	186.	134.	123.	77.	90.	89.
13 50 48	84.	95.	105.	88.	87.	167.	223.	183.	138.	116.	78.	89.	87.
13 50 54	84.	94.	107.	82.	85.	165.	221.	186.	131.	117.	78.	90.	88.
13 50 59	91.	99.	116.	98.	86.	178.	214.	184.	136.	125.	76.	88.	88.
13 51 4	94.	101.	115.	98.	90.	173.	221.	181.	134.	120.	77.	88.	87.
13 51 9	95.	101.	114.	98.	91.	181.	231.	171.	129.	116.	80.	88.	86.
13 51 14	89.	98.	111.	84.	87.	175.	228.	176.	129.	115.	80.	87.	86.
13 51 19	89.	95.	111.	88.	81.	163.	209.	189.	134.	119.	79.	87.	91.
13 51 24	86.	95.	111.	81.	81.	166.	216.	187.	131.	117.	78.	89.	83.
13 51 29	95.	107.	119.	74.	92.	185.	222.	173.	134.	120.	77.	87.	85.
14 3 13	99.	108.	122.	85.	93.	182.	219.	188.	133.	120.	77.	90.	88.
14 3 18	101.	112.	116.	97.	99.	181.	227.	187.	128.	112.	80.	88.	87.
14 3 23	98.	109.	116.	95.	97.	183.	220.	181.	130.	116.	79.	60.	87.
14 3 33	92.	108.	117.	88.	100.	185.	224.	172.	137.	122.	79.	90.	87.
14 3 38	94.	112.	116.	98.	100.	198.	220.	176.	137.	124.	79.	90.	88.
14 3 43	97.	109.	116.	95.	93.	196.	224.	188.	128.	124.	80.	89.	87.
14 3 43	96.	112.	115.	94.	96.	195.	221.	177.	133.	124.	79.	89.	87.
14 43 48	82.	105.	103.	88.	87.	175.	219.	182.	138.	117.	78.	88.	90.
14 3 53	91.	110.	108.	95.	95.	184.	217.	179.	134.	118.	77.	89.	89.
14 43 58	90.	110.	108.	84.	97.	188.	219.	167.	134.	121.	79.	86.	86.
14 4 3	98.	111.	103.	88.	99.	186.	222.	171.	133.	117.	88.	87.	85.
14 4 8	88.	115.	106.	97.	95.	196.	284.	183.	137.	125.	76.	90.	90.
14 4 14	91.	117.	108.	99.	96.	191.	203.	177.	137.	127.	77.	89.	89.
14 4 19	89.	110.	105.	97.	92.	133.	199.	183.	136.	128.	76.	89.	90.
14 4 24	86.	111.	102.	97.	93.	183.	202.	182.	126.	126.	76.	90.	89.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
14 4 29	84.	122.	105.	107.	101.	192.	208.	178.	139.	126.	77.	88.	88.
14 4 34	82.	116.	99.	99.	98.	183.	204.	179.	134.	122.	78.	89.	89.
14 4 39	88.	121.	105.	99.	103.	194.	206.	167.	132.	121.	74.	86.	85.
14 4 44	90.	119.	103.	101.	99.	191.	207.	167.	131.	119.	77.	85.	85.
14 4 49	84.	108.	97.	95.	91.	157.	195.	163.	132.	119.	77.	90.	74.
14 4 54	91.	116.	99.	100.	99.	159.	193.	177.	133.	122.	78.	89.	81.
14 4 59	85.	112.	96.	91.	93.	149.	191.	180.	130.	120.	78.	84.	90.
14 5 4	91.	118.	99.	98.	100.	158.	194.	178.	130.	117.	78.	86.	88.
14 5 9	93.	125.	103.	101.	100.	159.	193.	173.	128.	118.	78.	86.	86.
14 5 14	91.	120.	99.	99.	105.	141.	190.	180.	131.	118.	79.	89.	88.
14 5 19	90.	121.	106.	105.	99.	147.	174.	170.	139.	128.	75.	89.	87.
14 5 24	95.	125.	105.	110.	103.	149.	176.	177.	130.	127.	77.	88.	86.
14 5 29	100.	126.	105.	110.	106.	167.	192.	171.	126.	119.	78.	88.	84.
14 5 39	94.	124.	108.	104.	104.	164.	186.	178.	130.	119.	79.	88.	84.
14 5 39	99.	127.	103.	110.	105.	171.	188.	178.	132.	116.	78.	87.	88.
14 5 44	98.	129.	106.	110.	105.	172.	183.	176.	135.	121.	78.	86.	87.
14 5 49	100.	130.	95.	113.	106.	174.	189.	178.	132.	117.	78.	87.	88.
14 5 54	95.	126.	97.	109.	105.	172.	192.	177.	133.	119.	76.	86.	87.
14 5 59	96.	126.	112.	110.	109.	182.	209.	180.	131.	114.	78.	86.	86.
14 6 9	98.	125.	112.	109.	110.	179.	211.	184.	133.	110.	77.	85.	88.
14 6 14	98.	115.	103.	99.	111.	170.	201.	178.	129.	113.	75.	87.	86.
14 6 19	95.	116.	105.	96.	111.	170.	239.	179.	130.	113.	77.	87.	86.
14 6 19	103.	118.	110.	103.	111.	182.	240.	171.	131.	119.	80.	88.	84.
14 6 24	105.	121.	114.	106.	116.	183.	234.	176.	137.	120.	78.	88.	86.
14 16 29	94.	114.	110.	93.	112.	158.	239.	178.	138.	115.	78.	87.	86.
14 14 36	97.	116.	116.	95.	106.	166.	231.	178.	133.	120.	79.	88.	87.
14 14 41	94.	109.	121.	95.	91.	181.	219.	187.	134.	125.	74.	90.	88.
14 14 46	92.	107.	118.	90.	92.	181.	228.	185.	131.	119.	76.	89.	87.
14 14 51	96.	114.	120.	97.	97.	193.	219.	192.	138.	125.	77.	89.	88.
14 15 1	99.	114.	120.	96.	99.	185.	223.	185.	136.	123.	77.	87.	88.
14 15 6	91.	103.	108.	88.	90.	160.	227.	193.	138.	115.	77.	90.	90.
14 15 11	91.	105.	112.	89.	90.	169.	227.	192.	138.	116.	77.	93.	90.
14 15 11	99.	109.	120.	84.	100.	186.	234.	176.	138.	117.	79.	88.	86.
14 15 16	95.	107.	110.	87.	93.	181.	238.	182.	138.	118.	79.	90.	87.
14 15 21	87.	103.	113.	82.	85.	169.	229.	188.	128.	115.	80.	90.	88.
14 15 26	93.	110.	117.	89.	91.	178.	227.	183.	132.	118.	79.	89.	88.
14 15 31	102.	116.	125.	95.	99.	198.	224.	188.	136.	121.	78.	89.	87.
14 15 36	101.	114.	124.	96.	97.	196.	222.	183.	136.	124.	78.	89.	88.
14 15 42	94.	110.	118.	84.	95.	168.	221.	190.	139.	125.	78.	90.	88.
14 15 47	91.	108.	116.	84.	94.	179.	227.	186.	134.	119.	79.	82.	87.
14 15 52	97.	111.	116.	93.	99.	163.	235.	182.	138.	114.	81.	88.	87.
14 17 19	99.	112.	110.	91.	99.	183.	227.	188.	131.	118.	81.	88.	87.
14 17 24	91.	105.	115.	85.	91.	176.	238.	193.	128.	116.	80.	90.	84.
14 17 29	96.	108.	120.	91.	94.	188.	228.	188.	129.	114.	79.	90.	86.
14 17 34	95.	114.	121.	95.	96.	181.	219.	193.	127.	113.	78.	91.	90.
14 17 39	96.	115.	118.	93.	98.	194.	225.	185.	131.	113.	88.	88.	88.
14 17 44	89.	105.	115.	83.	93.	188.	233.	188.	138.	125.	76.	88.	87.
14 17 54	90.	107.	116.	86.	91.	177.	226.	187.	134.	109.	76.	86.	88.
14 17 59	92.	110.	118.	92.	87.	181.	225.	190.	133.	115.	76.	90.	89.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 90 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
14 18 4	96.	114.	122.	96.	91.	183.	226.	186.	129.	116.	75.	89.	88.
14 18 4	100.	116.	122.	97.	97.	190.	224.	184.	130.	128.	80.	89.	85.
14 18 9	96.	114.	122.	94.	95.	185.	221.	187.	132.	121.	78.	89.	87.
14 18 14	89.	108.	114.	88.	92.	171.	224.	189.	129.	114.	78.	90.	90.
14 18 19	90.	109.	116.	88.	92.	172.	222.	190.	129.	114.	77.	89.	90.
14 32 7	105.	123.	127.	99.	94.	183.	221.	193.	127.	119.	80.	90.	86.
14 32 13	100.	117.	125.	97.	97.	182.	220.	188.	128.	121.	79.	90.	87.
14 32 18	95.	110.	122.	95.	101.	180.	224.	185.	130.	123.	79.	90.	88.
14 32 23	96.	108.	122.	97.	102.	178.	223.	185.	130.	127.	80.	90.	88.
14 32 28	99.	108.	124.	101.	106.	172.	221.	187.	132.	127.	78.	90.	88.
14 32 33	99.	108.	126.	101.	101.	170.	222.	188.	131.	127.	78.	90.	87.
14 32 39	103.	108.	134.	99.	101.	162.	220.	187.	116.	127.	81.	89.	89.
14 32 44	103.	108.	136.	100.	102.	163.	219.	186.	123.	124.	80.	90.	88.
14 32 49	106.	109.	138.	101.	103.	163.	219.	187.	130.	126.	82.	90.	88.
14 32 54	108.	109.	139.	102.	105.	162.	218.	187.	128.	126.	80.	89.	88.
14 32 59	110.	108.	141.	103.	107.	160.	218.	184.	130.	125.	79.	90.	89.
14 33 4	109.	108.	141.	103.	108.	160.	217.	185.	130.	125.	79.	90.	91.
14 33 9	115.	108.	142.	103.	108.	159.	217.	185.	130.	125.	80.	90.	88.
14 33 14	114.	107.	142.	104.	108.	159.	217.	184.	130.	125.	80.	92.	88.

C COMMUTATOR

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
13 1 1	72.	.342	89.	88.	90.	90.	2.987	28.92	78504.	49.	100.	2.	1.
13 1 12	72.	.562	88.	89.	90.	89.	2.986	28.44	78280.	68.	114.	2.	0.
13 1 17	71.	.538	90.	88.	90.	88.	2.996	28.92	78280.	60.	71.	2.	-3.
13 1 22	71.	-.171	89.	88.	89.	89.	2.985	28.28	78429.	54.	100.	2.	-2.
13 1 27	72.	.147	89.	89.	89.	90.	2.982	28.82	78504.	50.	71.	1.	1.
13 1 32	72.	-.342	89.	89.	90.	90.	2.983	27.90	78429.	68.	71.	2.	0.
13 1 32	73.	.978	74.	88.	86.	89.	2.982	28.82	78504.	107.	128.	1.	0.
13 1 38	72.	.782	81.	88.	88.	89.	2.985	28.90	78728.	63.	107.	1.	-1.
13 41 48	73.	.391	88.	88.	90.	89.	2.987	28.82	78055.	78.	100.	1.	1.
13 1 53	73.	-.122	89.	88.	90.	89.	2.985	27.50	78429.	54.	86.	2.	1.
13 41 58	72.	-.196	89.	88.	89.	90.	8.888	28.17	78055.	78.	114.	1.	-1.
13 41 58	74.	.196	89.	87.	89.	89.	1.494	28.06	78205.	68.	100.	2.	-1.
13 2 3	73.	.587	89.	91.	90.	89.	2.991	28.66	78654.	45.	86.	2.	-4.
13 42 8	73.	.024	88.	90.	90.	89.	2.988	28.47	78654.	54.	71.	2.	-2.
13 2 13	74.	.440	89.	87.	90.	89.	2.982	28.87	78579.	97.	128.	3.	-1.
13 2 18	74.	.635	88.	88.	90.	89.	2.982	28.74	78616.	92.	107.	2.	-1.
13 2 23	74.	-.391	89.	88.	90.	88.	2.982	27.88	78205.	117.	171.	1.	0.
13 4 6	74.	-.293	89.	88.	90.	88.	2.986	28.06	78354.	107.	157.	1.	-5.
13 4 11	75.	1.369	87.	87.	84.	86.	2.985	25.86	78354.	117.	114.	2.	-1.
13 4 11	72.	.978	88.	87.	86.	86.	2.984	26.45	78205.	83.	121.	2.	-1.
13 4 16	74.	.098	89.	87.	89.	93.	2.983	26.45	77980.	57.	86.	2.	-1.
13 4 21	74.	.244	88.	88.	89.	91.	2.983	26.69	78167.	107.	64.	1.	-2.
13 4 26	74.	.293	88.	87.	89.	89.	3.868	26.67	77831.	97.	100.	2.	1.
13 4 31	75.	-.073	87.	88.	89.	88.	2.989	26.83	78055.	52.	78.	1.	0.
13 4 44	75.	-.147	88.	88.	88.	88.	2.989	25.97	78354.	68.	-14.	2.	-2.
13 4 42	75.	-.318	89.	87.	88.	88.	2.987	26.16	78280.	64.	36.	2.	-2.
13 4 47	76.	-.391	88.	88.	90.	90.	2.972	26.40	78130.	39.	86.	3.	-1.
13 4 52	76.	-.318	88.	89.	90.	89.	2.977	26.26	78093.	58.	135.	2.	-1.
13 4 65	74.	.244	89.	87.	90.	87.	2.976	26.83	78429.	88.	57.	2.	-2.
13 5 2	74.	.318	88.	87.	90.	87.	2.976	26.48	78055.	78.	86.	2.	-1.
13 5 7	77.	.098	87.	84.	90.	89.	2.983	26.34	78055.	68.	43.	2.	-2.
13 5 12	77.	-.147	86.	86.	90.	90.	2.983	26.29	78055.	68.	78.	2.	-2.
13 5 17	76.	.782	90.	88.	89.	89.	2.978	26.83	78205.	88.	100.	2.	-1.
13 5 22	76.	.440	89.	88.	89.	89.	2.975	26.72	78093.	63.	107.	2.	-1.
13 5 27	77.	8.888	86.	89.	90.	90.	2.976	25.97	77986.	97.	71.	1.	-2.
13 5 32	76.	-.098	87.	89.	90.	90.	2.976	26.08	77980.	88.	100.	2.	-1.
13 5 37	76.	-1.222	88.	89.	90.	89.	2.988	26.45	78205.	49.	86.	1.	-2.
13 5 42	76.	-.318	89.	88.	89.	88.	2.981	26.26	78093.	73.	86.	2.	-1.
13 5 47	76.	.782	87.	89.	90.	89.	2.982	26.24	78280.	88.	143.	-8.	-1.
13 5 52	75.	.758	88.	89.	89.	89.	2.983	26.59	78317.	102.	100.	1.	-1.
13 5 57	74.	.587	87.	88.	89.	88.	2.988	26.48	78205.	146.	57.	1.	-1.
13 6 7	74.	.489	88.	88.	89.	89.	2.988	25.22	78242.	126.	71.	0.	-1.
13 6 7	75.	.342	88.	88.	84.	90.	2.991	27.69	78429.	97.	100.	2.	-1.
13 6 12	72.	-.073	88.	88.	87.	87.	2.989	27.80	78541.	117.	43.	2.	-1.
13 6 17	69.	.293	89.	89.	90.	90.	2.978	28.33	77980.	214.	157.	2.	-1.

TIME H/M/S	PR 38 TEMP SURFAC FWD PART MOVBLE SPIKE 15	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
13 6 22	72.	.171	88.	89.	90.	89.	2.983	28.33	77980.	156.	121.	2.	-1.
13 6 27	74.	.587	88.	88.	89.	89.	2.980	28.60	78285.	78.	120.	2.	-0.
13 6 37	74.	.415	87.	89.	89.	89.	2.980	28.49	77980.	34.	114.	2.	-1.
13 6 42	74.	.702	86.	87.	88.	88.	2.980	28.39	78285.	187.	86.	1.	3.
13 6 47	74.	.171	88.	86.	86.	88.	2.983	27.93	78280.	63.	71.	1.	0.
13 6 47	75.	.898	88.	89.	90.	89.	2.982	27.90	77980.	78.	86.	-0.	-2.
13 6 52	75.	-.147	88.	89.	90.	89.	2.977	28.31	78130.	54.	71.	1.	-3.
13 6 57	73.	.196	88.	88.	90.	90.	2.985	28.23	78354.	97.	57.	1.	-2.
13 7 2	73.	.196	87.	87.	89.	89.	2.981	28.28	78018.	102.	78.	2.	-1.
13 7 7	74.	.587	88.	88.	90.	89.	2.982	28.28	77986.	68.	8.	3.	-3.
13 7 12	74.	.635	88.	89.	90.	89.	2.982	28.86	77986.	68.	71.	2.	-1.
13 7 18	75.	-.342	88.	90.	90.	90.	2.985	28.33	78138.	97.	188.	1.	-1.
13 7 23	74.	-.342	89.	89.	90.	90.	2.986	28.33	78242.	63.	121.	2.	-1.
13 7 28	74.	.147	88.	87.	88.	88.	2.982	28.23	78138.	97.	43.	1.	-1.
13 7 33	73.	-.824	88.	88.	89.	89.	2.982	28.39	78285.	97.	71.	1.	-2.
13 7 38	73.	3.275	88.	88.	74.	89.	2.985	27.74	78354.	49.	71.	3.	-2.
13 7 43	73.	14.736	88.	89.	81.	90.	2.989	27.88	78059.	63.	463.	2.	-2.
13 7 48	74.	25.855	91.	88.	97.	91.	2.985	27.47	78059.	385.	2181.	2.	0.
13 7 53	75.	25.415	89.	88.	92.	89.	2.987	27.58	78242.	498.	2388.	1.	1.
13 7 58	71.	27.175	86.	88.	88.	89.	2.980	27.88	77681.	603.	2823.	2.	1.
13 8 3	74.	27.273	86.	88.	88.	88.	2.988	27.88	78285.	698.	2915.	2.	-0.
13 48 8	74.	26.931	86.	86.	88.	84.	2.983	28.28	78429.	1428.	4277.	2.	-1.
13 8 13	75.	26.637	87.	87.	89.	87.	2.975	28.44	78584.	1639.	4733.	2.	-1.
13 8 18	74.	1.271	89.	89.	86.	89.	2.950	27.96	79028.	2518.	6842.	2.	0.
13 8 23	74.	.668	88.	88.	87.	89.	2.947	27.85	78990.	2656.	7284.	2.	-1.
13 8 28	73.	-.293	88.	84.	90.	87.	2.919	28.81	79482.	3347.	8525.	2.	-3.
13 8 33	74.	-.171	86.	87.	90.	88.	2.899	27.96	79215.	3644.	9130.	2.	-2.
13 8 43	75.	1.271	86.	88.	90.	88.	2.901	27.28	78878.	3999.	9822.	1.	-5.
13 8 43	74.	.806	87.	88.	89.	88.	2.899	27.96	78841.	3974.	9815.	2.	-2.
13 48 48	73.	.196	87.	84.	88.	87.	2.893	27.74	78654.	3979.	9836.	2.	1.
13 8 53	73.	.391	87.	86.	88.	88.	2.895	28.23	78883.	3965.	9793.	2.	0.
13 8 58	73.	-.244	89.	90.	89.	89.	2.888	27.74	78678.	3882.	9888.	1.	0.
13 9 3	75.	-.147	88.	89.	89.	89.	2.892	27.96	78990.	3916.	9815.	0.	-1.
13 9 13	73.	-.635	88.	89.	74.	88.	2.886	28.06	79028.	3999.	9836.	2.	0.
13 9 18	70.	-.513	88.	88.	82.	89.	2.891	28.09	79065.	3974.	9880.	1.	0.
13 9 23	72.	-.342	89.	90.	88.	90.	2.891	27.58	78288.	3882.	9858.	2.	-2.
13 9 28	73.	.122	88.	90.	88.	89.	2.894	27.82	78766.	3935.	9815.	2.	-2.
13 9 28	71.	0.000	88.	86.	87.	89.	2.891	28.39	79177.	3958.	9836.	2.	1.
13 9 33	71.	.171	88.	88.	88.	88.	2.891	28.44	79289.	3958.	9843.	2.	1.
13 9 38	74.	-.098	88.	87.	88.	88.	2.897	27.80	79478.	3960.	9736.	1.	-0.
13 9 43	74.	-.269	88.	87.	89.	87.	2.893	28.84	79289.	3960.	9651.	0.	0.
13 49 48	71.	.147	88.	89.	89.	89.	2.891	28.71	79182.	4038.	9793.	2.	-1.
13 9 53	70.	.538	87.	84.	88.	88.	2.887	28.36	79102.	4018.	9808.	2.	-1.
13 9 59	73.	.147	88.	90.	90.	89.	2.889	28.06	79252.	4028.	9779.	2.	-2.
13 10 4	72.	.049	88.	89.	90.	88.	2.893	28.15	79140.	3976.	9808.	2.	-3.
13 10 9	71.	.684	89.	88.	88.	88.	2.893	27.96	78803.	3960.	9779.	2.	-5.
13 10 22	72.	.978	89.	89.	89.	88.	2.889	28.04	78915.	4004.	9786.	2.	-2.
13 10 19	71.	.147	89.	88.	90.	90.	2.893	27.65	79102.	3948.	9865.	1.	-3.
13 10 24	71.	.220	89.	89.	89.	90.	2.891	27.88	79140.	3945.	9858.	1.	-1.

TIME H/M/S	PR 38 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
13 18 29	71.	-.849	85.	87.	86.	86.	2.895	27.74	79551.	3989.	9936.	1.	-2.
13 18 34	71.	.668	86.	87.	88.	87.	2.896	27.74	79402.	3965.	9865.	1.	-1.
13 18 39	70.	-.733	74.	88.	84.	88.	2.895	27.90	79402.	3970.	9865.	1.	1.
13 18 44	70.	-.464	81.	89.	87.	89.	2.894	27.98	79252.	3979.	9872.	2.	-8.
13 18 49	72.	0.888	88.	98.	89.	88.	2.893	28.28	78953.	4028.	10064.	2.	-2.
13 18 54	72.	-.196	88.	98.	90.	88.	2.892	28.09	78990.	4033.	9993.	2.	-1.
13 11 43	70.	.147	86.	93.	87.	88.	2.834	27.74	79327.	4699.	10862.	1.	-2.
13 51 48	71.	-.873	86.	91.	87.	88.	2.826	27.93	79551.	4884.	11083.	2.	-2.
13 51 58	71.	.898	87.	88.	88.	88.	2.881	27.88	79402.	5293.	11461.	2.	1.
13 12 3	71.	-.122	87.	87.	87.	87.	2.798	27.77	79551.	5488.	11582.	2.	0.
13 12 3	72.	.684	88.	88.	88.	86.	2.737	27.53	79177.	5546.	11968.	2.	-1.
13 52 8	72.	.415	88.	88.	88.	87.	2.747	27.80	39628.	5667.	11996.	1.	-1.
13 12 13	69.	0.888	86.	88.	88.	88.	2.735	28.28	80000.	5838.	12145.	2.	4.
13 12 18	72.	.898	87.	88.	89.	88.	2.721	28.09	40119.	5941.	12245.	2.	2.
13 12 28	72.	-.342	85.	86.	87.	86.	2.787	28.39	79.	6178.	12345.	2.	1.
13 12 33	71.	-.391	85.	86.	88.	87.	2.783	28.25	79.	6163.	12345.	-1.	1.
13 12 38	69.	.489	88.	98.	91.	90.	2.783	27.96	556.	6256.	12316.	3.	0.
13 12 38	68.	.538	87.	89.	98.	89.	2.789	27.82	357.	6246.	12373.	1.	-8.
13 12 43	73.	.293	87.	88.	87.	89.	2.711	27.85	238.	6266.	12402.	2.	-2.
13 52 48	72.	.147	87.	88.	88.	90.	2.712	27.88	40119.	6287.	12438.	2.	-2.
13 12 53	71.	.684	84.	86.	88.	88.	2.785	28.28	80000.	6188.	12473.	2.	-8.
13 12 58	70.	.587	85.	86.	88.	88.	2.787	28.09	80000.	6139.	12381.	2.	8.
13 13 3	74.	1.075	88.	93.	88.	86.	2.718	27.47	238.	6081.	12316.	1.	-0.
13 13 9	74.	.489	87.	98.	87.	87.	2.721	27.85	199.	6125.	12359.	1.	-2.
13 13 14	75.	.293	87.	87.	93.	87.	2.716	28.12	80000.	6118.	12373.	-8.	-1.
13 13 19	74.	.244	89.	89.	91.	88.	2.712	28.39	79813.	6066.	12345.	1.	-1.
13 13 24	68.	.489	86.	87.	86.	88.	2.707	27.98	238.	6128.	12331.	1.	-1.
13 13 29	68.	.489	83.	87.	87.	87.	2.716	28.28	39978.	6144.	12388.	1.	-8.
13 13 34	72.	.849	88.	89.	89.	89.	2.714	28.23	79551.	6116.	12316.	2.	-1.
13 13 39	71.	.489	87.	88.	98.	87.	2.714	28.84	39895.	6134.	12352.	2.	-8.
13 13 44	74.	.733	88.	98.	91.	89.	2.726	27.74	238.	6128.	12359.	2.	-1.
13 13 49	74.	.269	88.	89.	89.	88.	2.717	28.81	39558.	6115.	12359.	2.	-1.
13 13 54	76.	.929	89.	88.	91.	98.	2.722	27.88	80000.	6188.	12382.	2.	1.
13 13 59	74.	.789	88.	89.	91.	89.	2.719	28.28	79925.	6125.	12331.	1.	1.
13 14 4	78.	-.098	85.	86.	86.	88.	2.711	28.86	79551.	6159.	12359.	1.	-1.
13 14 9	72.	-.318	85.	85.	87.	88.	2.714	28.81	79738.	6129.	12373.	2.	-1.
13 14 14	74.	.635	88.	89.	91.	89.	2.711	27.74	79776.	6081.	12331.	2.	1.
13 14 19	76.	.244	88.	89.	91.	92.	2.713	28.81	79478.	6050.	12389.	2.	-8.
13 14 24	74.	.196	98.	84.	89.	89.	2.728	28.33	79781.	6118.	12316.	1.	-1.
13 14 34	75.	.342	89.	86.	90.	87.	2.717	27.96	79858.	6145.	12288.	2.	-1.
13 14 34	73.	-1.173	86.	84.	88.	87.	2.709	27.74	318.	6168.	12316.	2.	2.
13 14 39	74.	-.391	87.	87.	89.	87.	2.712	27.96	318.	6144.	12359.	2.	1.
13 14 44	74.	-.244	84.	88.	89.	85.	2.716	27.56	238.	6168.	12473.	1.	-1.
13 14 49	76.	-.244	87.	86.	91.	88.	2.713	27.77	159.	6159.	12416.	1.	-1.
13 14 54	76.	-.733	96.	89.	88.	88.	2.707	27.56	79858.	6168.	12359.	3.	-1.
13 15 4	75.	-.293	91.	87.	88.	86.	2.707	27.82	39965.	6178.	12338.	3.	-1.
13 15 9	74.	.196	84.	86.	88.	86.	2.714	28.39	79776.	6061.	12382.	2.	-8.
13 15 14	74.	.318	85.	86.	88.	88.	2.714	27.93	79813.	6086.	12389.	1.	-1.
13 15 19	75.	.538	98.	98.	91.	84.	2.713	27.15	0.	6108.	12359.	1.	-1.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/MENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/M	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/MENG	PR 1 RPM N1 TACH GER L/MENG	PR 2 RPM N2 TACH GER L/MENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
13 15 19	75.	.318	87.	88.	88.	85.	2.716	27.31	48.	6095.	12381.	2.	-1.
13 15 24	76.	.049	87.	86.	88.	84.	2.711	27.63	0.	5916.	12359.	1.	1.
13 15 29	76.	.293	88.	87.	87.	87.	2.708	27.93	0.	6042.	12359.	2.	-0.
13 15 34	72.	-.147	85.	85.	86.	84.	2.714	27.98	79776.	6168.	12288.	3.	2.
13 15 39	72.	-.293	85.	85.	87.	87.	2.712	27.98	79813.	6154.	12331.	2.	0.
13 15 44	71.	-.049	86.	86.	88.	88.	2.716	27.63	79.	6188.	12416.	2.	1.
13 15 50	72.	.220	85.	86.	87.	87.	2.717	27.88	39815.	6144.	12366.	2.	-0.
13 15 55	74.	-.196	88.	90.	84.	91.	2.716	28.71	80880.	6138.	12331.	2.	-0.
13 16 0	72.	.171	88.	89.	84.	90.	2.712	28.47	79813.	6139.	12324.	2.	-0.
13 16 5	76.	.587	89.	90.	86.	90.	2.705	27.63	79626.	6178.	12373.	2.	-1.
13 16 10	76.	.587	88.	91.	86.	88.	2.711	27.88	39932.	6162.	12345.	2.	-1.
13 16 15	77.	-.098	88.	91.	90.	88.	2.707	28.17	80880.	6052.	12316.	3.	-2.
13 16 20	78.	.489	89.	89.	90.	81.	2.714	28.84	79963.	6037.	12288.	2.	-1.
13 16 25	74.	.440	89.	87.	89.	89.	2.711	27.85	79850.	6052.	12345.	2.	1.
13 16 30	75.	.538	89.	88.	92.	90.	2.714	27.77	79813.	6081.	12345.	2.	1.
13 16 35	76.	-.489	86.	82.	86.	87.	2.713	28.39	0.	6061.	12373.	1.	-1.
13 16 40	74.	-.464	86.	84.	86.	87.	2.710	28.09	39925.	6115.	12338.	2.	-1.
13 16 53	77.	.147	88.	88.	86.	87.	2.710	28.17	397.	6188.	12407.	1.	0.
13 16 50	76.	.733	87.	88.	87.	91.	2.713	27.96	199.	6163.	12409.	2.	-0.
13 56 55	72.	.244	86.	87.	88.	88.	2.716	27.74	79781.	6013	12345.	3.	1.
13 17 0	74.	.293	86.	87.	88.	89.	2.709	27.66	39898.	6076.	12345.	2.	1.
13 17 10	88.	.293	88.	93.	88.	88.	2.707	28.81	79776.	6098.	12373.	-3.	-1.
13 17 18	77.	.024	87.	89.	87.	87.	2.704	27.42	79888.	6173.	12373.	-0.	-1.
13 17 15	77.	-.147	88.	89.	88.	91.	2.716	27.74	79.	6188.	12402.	1.	-2.
13 17 20	75.	-.073	87.	88.	88.	91.	2.715	27.74	79.	6115.	12402.	1.	-2.
13 17 25	76.	.000	88.	87.	89.	90.	2.702	28.28	80880.	6149.	12373.	1.	-1.
13 17 30	75.	.367	84.	86.	88.	89.	2.704	27.96	79850.	6154.	12345.	2.	2.
13 17 40	74.	.391	86.	88.	88.	89.	2.714	27.98	159.	6188.	14503.	2.	-10.
13 17 45	75.	.269	87.	88.	89.	89.	2.714	27.88	39930.	6139.	13457.	2.	-5.
13 17 50	74.	0.000	86.	86.	87.	94.	2.709	28.06	79925.	6217.	12430.	1.	-1.
13 17 55	74.	0.000	86.	86.	87.	91.	2.712	28.06	40002.	6144.	12416.	1.	-1.
13 17 55	76.	.684	90.	87.	90.	84.	2.707	28.23	238.	6061.	12459.	1.	-10.
13 18 0	76.	.684	90.	87.	88.	85.	2.708	28.17	40044.	6110.	12388.	2.	-5.
13 18 5	78.	1.173	86.	86.	87.	83.	2.714	28.71	238.	6052.	12382.	1.	0.
13 18 10	77.	.978	85.	87.	86.	85.	2.713	28.47	39857.	6076.	12389.	2.	-0.
13 18 15	71.	-.244	92.	86.	85.	88.	2.709	27.85	79776.	6139.	12316.	1.	-0.
13 18 20	73.	-.415	86.	86.	85.	88.	2.716	27.93	79776.	6144.	12295.	2.	-0.
13 18 26	78.	.049	88.	92.	88.	88.	2.713	27.69	79551.	6042.	12382.	2.	-0.
13 18 31	77.	-.489	88.	91.	89.	88.	2.714	28.06	39934.	6081.	12338.	2.	-1.
13 18 36	76.	-.440	87.	88.	89.	86.	2.705	28.12	79925.	6098.	12316.	2.	-1.
13 18 41	77.	-.318	86.	88.	81.	87.	2.707	27.93	79813.	6115.	12345.	2.	-1.
13 18 46	76.	1.124	84.	88.	89.	89.	2.714	27.85	79476.	6129.	12331.	2.	1.
13 18 51	78.	1.026	84.	86.	87.	88.	2.705	27.85	79738.	6109.	12381.	1.	1.
13 18 56	79.	.098	86.	88.	89.	87.	2.714	28.33	79.	6129.	12345.	2.	0.
13 19 1	79.	.220	87.	88.	89.	88.	2.709	28.12	39898.	6115.	12373.	2.	1.
13 19 6	76.	.342	86.	84.	86.	74.	2.707	27.69	79482.	6168.	12345.	2.	0.
13 19 11	77.	.244	87.	86.	87.	81.	2.712	27.77	79551.	6154.	12324.	2.	0.
13 19 16	78.	.342	86.	86.	86.	87.	2.707	28.39	79858.	6118.	12316.	2.	0.
13 19 21	78.	.367	88.	87.	88.	87.	2.746	28.12	79589.	6003.	12217.	3.	-0.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 18 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
13 22 24	78.	.196	90.	89.	89.	89.	2.859	28.71	78953.	4631.	10962.	2.	-8.
13 22 29	77.	.538	90.	84.	89.	89.	2.879	28.23	78953.	4354.	10406.	2.	-5.
13 22 34	74.	.147	85.	88.	86.	87.	2.886	28.17	78878.	3995.	9893.	1.	-9.
13 22 34	77.	.582	85.	87.	85.	87.	2.882	27.85	79065.	4023.	9822.	2.	-8.
13 22 39	76.	.448	84.	86.	87.	86.	2.897	27.69	78953.	4008.	9858.	3.	-7.
13 22 44	77.	.171	84.	85.	87.	88.	2.889	27.80	78803.	4023.	9888.	2.	-7.
13 22 49	77.	.147	87.	88.	86.	88.	2.882	27.85	78803.	3958.	9822.	1.	-8.
13 22 54	77.	.873	86.	88.	88.	88.	2.885	27.88	78803.	3955.	9843.	2.	-8.
13 22 59	74.	.587	84.	85.	86.	88.	2.888	28.28	78803.	3931.	9922.	2.	-7.
13 23 4	77.	.464	85.	85.	87.	87.	2.886	27.93	79102.	3968.	9858.	2.	-7.
13 23 10	79.	0.000	86.	86.	87.	84.	2.888	28.44	79177.	3931.	9885.	2.	-10.
13 23 15	77.	.171	86.	86.	87.	88.	2.887	28.17	79215.	3948.	9865.	2.	-9.
13 23 20	77.	-.196	87.	88.	87.	90.	2.877	28.33	79028.	3978.	9888.	2.	-7.
13 23 25	77.	.122	88.	87.	87.	85.	2.877	27.93	78803.	3999.	9815.	2.	-8.
13 23 30	78.	1.124	85.	84.	88.	88.	2.893	27.84	78878.	3478.	9665.	3.	-8.
13 23 35	79.	.660	87.	86.	89.	88.	2.891	27.58	78915.	3926.	9743.	2.	-8.
13 23 40	78.	.898	84.	88.	88.	89.	2.897	27.96	79252.	3931.	9879.	3.	-10.
13 23 45	78.	.122	84.	87.	87.	87.	2.895	27.85	79028.	3955.	9829.	2.	-8.
13 23 50	81.	-.391	87.	90.	88.	90.	2.899	27.90	78803.	3978.	9865.	4.	-6.
13 23 55	78.	.367	86.	88.	87.	88.	2.897	28.04	78891.	4004.	9829.	3.	-7.
13 24 0	79.	0.000	89.	88.	90.	90.	2.888	27.90	79102.	3958.	9779.	2.	-10.
13 24 5	79.	.318	87.	87.	90.	87.	2.898	27.72	78392.	3958.	9843.	2.	-9.
13 24 10	78.	.196	90.	90.	88.	89.	2.895	27.74	78654.	3985.	9838.	-0.	-7.
13 24 15	79.	.171	88.	89.	90.	88.	2.889	27.85	78841.	3955.	9838.	1.	-8.
13 24 20	83.	-.098	88.	88.	88.	88.	2.889	27.85	78654.	3921.	9888.	1.	-8.
13 24 25	80.	-.244	88.	89.	88.	91.	2.896	27.69	78728.	3974.	9843.	2.	-8.
13 24 30	74.	.391	86.	88.	88.	87.	2.886	27.69	78579.	3999.	9888.	3.	-7.
13 24 35	79.	-.098	86.	86.	87.	88.	2.891	27.55	78841.	3965.	9843.	2.	-8.
13 24 40	79.	.196	88.	88.	88.	86.	2.888	28.12	78953.	3958.	9888.	2.	-8.
13 24 50	79.	.171	87.	87.	88.	88.	2.885	27.98	78953.	3974.	9715.	2.	-8.
13 24 55	77.	.342	87.	87.	89.	90.	2.893	27.90	78878.	3999.	9907.	3.	-6.
13 25 0	76.	.562	86.	87.	89.	89.	2.889	28.01	78878.	4008.	9879.	2.	-6.
13 25 5	73.	0.000	88.	87.	85.	86.	2.882	28.28	79402.	3978.	9751.	2.	-9.
13 25 10	78.	.196	86.	87.	86.	87.	2.888	28.15	79252.	3948.	9779.	2.	-8.
13 25 15	80.	0.000	88.	89.	87.	88.	2.891	28.28	78953.	3978.	9679.	1.	-9.
13 25 23	78.	-.196	87.	87.	87.	88.	2.898	27.98	78766.	3987.	9779.	2.	-8.
13 25 28	74.	1.075	88.	86.	87.	89.	2.895	27.98	78878.	3933.	9708.	2.	-10.
13 25 25	79.	1.051	87.	88.	87.	87.	2.898	28.12	79028.	3982.	9693.	2.	-9.
13 25 30	79.	.587	87.	89.	88.	88.	2.884	28.12	79177.	3978.	9851.	2.	-9.
13 25 35	77.	.147	88.	87.	87.	88.	2.889	27.93	78990.	3950.	9751.	2.	-9.
13 25 40	77.	0.000	85.	88.	90.	88.	2.895	27.96	78953.	3978.	9793.	2.	-7.
13 25 46	77.	0.000	88.	90.	89.	88.	2.897	27.93	79102.	3968.	9772.	3.	-7.
13 25 51	76.	.098	88.	88.	88.	87.	2.891	28.39	79028.	3958.	9708.	2.	-9.
13 25 56	78.	-.049	87.	86.	89.	87.	2.888	28.36	79140.	3968.	9672.	1.	-9.
13 28 1	79.	-.587	86.	88.	84.	88.	2.891	28.06	78579.	3978.	9708.	2.	-6.
13 26 6	77.	-.049	88.	89.	86.	89.	2.894	28.25	78618.	3935.	9793.	2.	-8.
13 26 11	76.	.342	84.	88.	86.	85.	2.877	27.88	79402.	3978.	9736.	2.	-8.
13 26 16	76.	.098	85.	88.	87.	87.	2.887	27.63	79327.	3958.	9751.	2.	-8.
13 26 21	74.	.293	84.	88.	86.	92.	2.888	28.17	78654.	4028.	9685.	1.	-9.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
13 26 26	75.	.171	85.	85.	87.	90.	2.889	28.89	78878.	3999.	9736.	2.	-8.
13 26 31	74.	.782	86.	86.	87.	88.	2.854	28.39	79828.	3978.	9651.	1.	-9.
13 26 36	76.	.391	87.	98.	88.	88.	2.866	28.17	79148.	3965.	9693.	1.	-8.
13 26 41	82.	.293	88.	88.	88.	88.	2.886	27.90	78354.	3989.	9679.	1.	-6.
13 26 46	80.	.367	87.	88.	87.	87.	2.891	27.88	78467.	3978.	9786.	2.	-7.
13 49 8	74.	.098	85.	86.	74.	87.	2.891	28.12	78429.	3911.	9679.	3.	-6.
13 49 13	76.	-.196	85.	87.	88.	89.	2.898	28.89	78392.	3948.	9679.	3.	-7.
13 49 18	80.	0.000	84.	86.	84.	88.	2.901	28.28	78678.	3921.	9793.	1.	-7.
13 49 23	81.	.098	84.	86.	85.	87.	2.899	28.89	78841.	3948.	9779.	1.	-7.
13 49 28	82.	.293	79.	86.	85.	86.	2.889	27.53	79402.	3911.	9836.	2.	-6.
13 49 33	81.	.342	82.	85.	86.	88.	2.891	27.85	79327.	3921.	9815.	2.	-7.
13 49 38	88.	.538	86.	88.	87.	88.	2.889	28.06	79182.	3999.	9636.	2.	-7.
13 49 43	84.	.342	84.	87.	85.	86.	2.891	28.15	78841.	3941.	9679.	3.	-6.
13 49 48	80.	.489	83.	84.	84.	88.	2.895	28.33	79476.	3921.	9736.	1.	-5.
13 49 58	82.	.098	85.	87.	84.	88.	2.889	28.09	79327.	3955.	9788.	2.	-6.
13 50 3	88.	-.147	84.	87.	86.	88.	2.893	27.69	78883.	3931.	9950.	2.	-9.
13 50 8	79.	.098	84.	85.	85.	89.	2.895	28.12	78691.	3948.	9879.	2.	-7.
13 50 13	80.	.244	84.	85.	87.	86.	2.886	28.28	78953.	3989.	9779.	3.	-10.
13 50 18	81.	-.367	86.	87.	86.	88.	2.891	28.25	78998.	3931.	9836.	3.	-8.
13 50 18	80.	.391	98.	88.	86.	88.	2.888	27.47	79182.	4838.	9679.	3.	-9.
13 50 23	80.	.293	89.	89.	86.	89.	2.897	27.72	78953.	3945.	9729.	2.	-8.
13 50 28	79.	.196	84.	88.	85.	88.	2.897	27.90	79028.	3931.	9858.	3.	-6.
13 50 33	79.	.269	84.	87.	85.	88.	2.894	28.01	79148.	3931.	9786.	2.	-6.
13 50 38	82.	-.244	86.	89.	86.	86.	2.886	28.17	79476.	4888.	9693.	3.	-8.
13 50 43	78.	.342	86.	88.	85.	87.	2.898	27.96	79028.	3921.	9722.	2.	-7.
13 50 48	80.	-.049	88.	87.	89.	88.	2.889	27.90	78654.	3989.	9793.	-0.	-9.
13 50 54	77.	-.024	87.	88.	87.	87.	2.894	28.31	78841.	3955.	9779.	1.	-9.
13 50 59	80.	.440	85.	87.	86.	84.	2.901	28.12	79828.	3931.	9736.	2.	-7.
13 51 4	78.	.220	84.	86.	86.	85.	2.896	27.85	78841.	3911.	9743.	2.	-8.
13 51 9	78.	.587	84.	87.	86.	88.	2.891	28.39	79252.	3960.	9722.	2.	-6.
13 51 14	79.	.196	84.	87.	86.	89.	2.883	28.39	79177.	3960.	9679.	2.	-7.
13 51 19	82.	.342	85.	98.	85.	86.	2.889	28.28	79402.	3931.	9603.	2.	-8.
13 51 24	81.	.873	86.	87.	86.	86.	2.886	28.23	79065.	3965.	9636.	2.	-9.
13 51 29	77.	-.049	83.	84.	84.	87.	2.889	27.69	79028.	3940.	9888.	3.	-7.
14 3 13	78.	.098	85.	87.	86.	87.	2.885	27.77	79177.	4042.	9843.	3.	-7.
14 3 18	77.	0.000	74.	89.	84.	90.	2.845	28.39	79327.	4592.	10592.	2.	-7.
14 3 23	76.	-.098	79.	88.	84.	87.	2.835	28.68	79589.	4746.	10798.	1.	-7.
14 3 33	76.	-.196	84.	86.	86.	87.	2.885	27.85	79177.	5225.	11447.	3.	-9.
14 3 38	75.	.196	84.	87.	85.	87.	2.781	27.85	79591.	5317.	11561.	3.	-8.
14 3 43	75.	0.000	83.	87.	84.	86.	2.723	28.39	318.	5945.	12259.	2.	-9.
14 3 43	75.	-.171	84.	96.	85.	86.	2.718	28.28	357.	6006.	12295.	1.	-8.
14 43 48	77.	.391	88.	88.	88.	90.	2.679	27.63	159.	6363.	12559.	1.	-5.
14 3 53	77.	-.220	85.	86.	87.	88.	2.598	27.69	516.	6762.	12638.	2.	-6.
14 43 58	74.	-.098	85.	84.	85.	88.	2.472	28.68	1112.	7387.	12858.	1.	-8.
14 4 3	75.	.049	84.	84.	85.	87.	2.434	28.86	794.	7414.	12901.	2.	-8.
14 4 8	80.	.929	86.	89.	87.	88.	2.329	27.74	874.	7647.	13115.	1.	-7.
14 4 14	77.	.831	85.	88.	85.	87.	2.293	27.88	953.	7769.	13165.	2.	-8.
14 4 19	77.	.929	84.	87.	86.	88.	2.193	27.74	1112.	7978.	13343.	3.	-8.
14 4 24	77.	.758	86.	88.	86.	88.	2.178	28.15	1438.	8184.	13393.	2.	-8.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
14 4 29	78.	-.147	85.	86.	85.	86.	2.091	28.49	2224.	8318.	13514.	2.	-7.
14 4 34	78.	.293	85.	88.	87.	87.	2.037	28.28	2185.	8435.	13656.	2.	-8.
14 4 39	74.	.196	84.	84.	85.	87.	1.951	28.86	1986.	8659.	13813.	3.	-8.
14 4 44	74.	.220	84.	85.	85.	87.	1.891	27.82	2065.	8737.	13920.	2.	-8.
14 4 49	80.	.147	85.	91.	88.	87.	1.767	28.60	3415.	9858.	14155.	2.	-4.
14 4 54	78.	.269	84.	89.	98.	86.	1.674	28.39	4011.	9199.	14198.	2.	-4.
14 4 59	77.	.342	84.	98.	87.	91.	1.545	28.06	4210.	9953.	14455.	2.	-5.
14 5 4	77.	.318	84.	89.	87.	89.	1.523	27.96	3892.	9929.	14433.	2.	-7.
14 5 9	75.	0.000	85.	87.	87.	84.	1.536	28.06	3892.	9953.	14455.	2.	-7.
14 5 14	76.	.293	85.	89.	90.	86.	1.531	27.69	3932.	9919.	14483.	2.	-8.
14 5 19	76.	.293	85.	85.	85.	86.	1.501	27.85	3892.	9788.	14540.	3.	-7.
14 5 24	75.	.709	83.	85.	86.	85.	1.512	27.69	3813.	9836.	14540.	3.	-6.
14 5 29	73.	.244	83.	87.	85.	88.	1.528	27.96	4130.	9904.	14540.	2.	-8.
14 5 39	75.	.073	85.	88.	87.	89.	1.537	28.04	4249.	9851.	14512.	2.	-7.
14 5 39	76.	1.711	83.	86.	87.	88.	1.528	27.47	3733.	9797.	14426.	2.	-8.
14 5 44	75.	1.393	82.	85.	83.	87.	1.523	27.39	3813.	9836.	14498.	2.	-7.
14 5 49	76.	-.196	82.	86.	86.	90.	1.596	28.23	4210.	9934.	14583.	2.	-5.
14 5 54	77.	.073	84.	87.	86.	89.	1.967	27.98	2343.	9178.	14219.	2.	-6.
14 5 59	77.	-.831	82.	86.	86.	88.	2.838	27.69	78584.	6412.	12245.	2.	-6.
14 6 9	79.	-.611	83.	87.	85.	88.	2.866	27.88	78841.	5215.	11841.	2.	-6.
14 6 14	77.	-1.124	84.	86.	86.	86.	2.893	28.86	79177.	4106.	9979.	2.	-8.
14 6 19	78.	-.538	84.	87.	86.	86.	2.886	28.81	78990.	4111.	9943.	2.	-9.
14 6 19	78.	.489	82.	86.	86.	87.	2.854	27.96	78883.	4096.	9893.	2.	-9.
14 6 24	78.	.122	83.	85.	85.	86.	2.862	27.85	78878.	4077.	9936.	2.	-9.
14 16 29	76.	.733	84.	87.	86.	87.	2.889	27.69	79252.	4018.	9979.	2.	-6.
14 14 36	75.	.196	84.	87.	86.	87.	2.894	28.15	79289.	4013.	9888.	1.	-2.
14 14 41	76.	.733	84.	87.	85.	87.	2.981	28.01	78883.	4088.	9793.	1.	2.
14 14 46	77.	.758	85.	87.	79.	88.	2.889	28.17	78691.	3965.	9829.	2.	1.
14 14 51	77.	.538	86.	87.	85.	86.	2.899	27.63	78654.	3960.	9736.	3.	0.
14 15 1	77.	.440	84.	87.	86.	86.	2.899	27.98	78654.	3978.	9765.	3.	-1.
14 15 6	78.	-.635	85.	90.	88.	87.	2.893	27.96	79252.	3991.	9736.	2.	3.
14 15 11	78.	-.342	85.	90.	88.	87.	2.895	28.20	78803.	3989.	9758.	2.	1.
14 15 11	75.	.244	84.	86.	84.	87.	2.884	27.37	78354.	3853.	9893.	3.	-1.
14 15 16	76.	.342	85.	87.	86.	88.	2.881	27.72	78616.	3981.	9907.	3.	-1.
14 15 21	76.	.538	82.	89.	86.	88.	2.878	27.31	78584.	3958.	9922.	3.	-8.
14 15 26	76.	.196	83.	87.	85.	87.	2.883	27.85	78841.	3916.	9879.	2.	-2.
14 15 31	76.	.440	84.	87.	85.	84.	2.889	27.98	79252.	3989.	9708.	2.	-1.
14 15 36	76.	-.873	84.	87.	85.	86.	2.893	28.04	79252.	3989.	9743.	2.	-1.
14 15 42	78.	.880	85.	88.	86.	87.	2.877	27.74	78579.	3958.	9765.	-3.	-1.
14 15 47	77.	.684	85.	88.	86.	88.	2.878	27.74	78883.	3958.	9765.	-1.	-1.
14 15 52	76.	-.831	83.	86.	86.	87.	2.884	28.81	79177.	3989.	9693.	1.	1.
14 17 19	75.	.873	83.	86.	86.	86.	2.885	28.23	78915.	3989.	9729.	1.	-1.
14 17 24	76.	.147	87.	87.	87.	94.	2.888	27.74	78953.	3948.	9958.	2.	1.
14 17 29	75.	.342	85.	87.	86.	90.	2.891	27.72	79102.	3965.	9988.	2.	-8.
14 17 34	78.	1.320	85.	89.	88.	89.	2.895	28.49	78654.	4047.	9765.	1.	1.
14 17 39	76.	.587	82.	87.	87.	89.	2.898	28.31	78915.	4062.	9888.	1.	2.
14 17 44	76.	-.293	84.	88.	87.	88.	2.897	28.86	78878.	4047.	9765.	1.	2.
14 17 54	77.	.122	85.	88.	86.	88.	2.891	28.89	78878.	4013.	9865.	2.	1.
14 17 59	75.	.244	85.	90.	86.	90.	2.895	28.23	78953.	3989.	9722.	2.	-1.

TIME H/M/S 15	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
14 18 4	75.	.464	84.	88.	85.	88.	2.890	27.93	78766.	3979.	9850.	2.	-1.
14 18 4	76.	.049	82.	86.	84.	85.	2.889	28.23	79252.	4008.	9679.	1.	1.
14 18 9	76.	.293	87.	87.	85.	86.	2.889	27.74	78953.	3945.	9772.	2.	-1.
14 18 14	76.	.049	87.	90.	91.	90.	2.893	27.90	78953.	4067.	9751.	1.	1.
14 18 19	76.	.147	86.	89.	90.	89.	2.893	28.20	79102.	4057.	9751.	1.	0.
14 32 7	76.	.342	88.	84.	86.	74.	2.967	28.60	78803.	3366.	8696.	3.	11.
14 32 13	76.	.244	86.	86.	86.	81.	2.973	27.50	78504.	2282.	6308.	3.	4.
14 32 18	74.	.293	84.	84.	86.	86.	2.980	27.10	77906.	1012.	2765.	1.	2.
14 32 23	74.	-.244	84.	86.	86.	86.	2.984	26.83	78055.	827.	2131.	2.	0.
14 32 28	74.	-.098	84.	86.	84.	86.	2.972	26.56	78280.	555.	214.	2.	0.
14 32 33	75.	0.000	84.	86.	86.	87.	2.972	26.16	78392.	452.	114.	1.	1.
14 32 39	75.	1.173	84.	86.	86.	87.	2.972	26.67	78280.	350.	57.	2.	0.
14 32 44	75.	.587	84.	87.	86.	87.	2.977	26.34	78280.	326.	64.	2.	-0.
14 32 49	76.	0.000	84.	86.	86.	87.	2.989	27.69	77831.	214.	128.	1.	0.
14 32 54	76.	-.587	84.	86.	86.	87.	2.989	27.53	78317.	156.	121.	2.	-0.
14 32 59	76.	.978	84.	88.	86.	86.	2.987	28.28	78205.	39.	143.	2.	-1.
14 33 4	76.	.904	84.	88.	86.	87.	2.987	28.12	78354.	78.	86.	2.	1.
14 33 9	75.	-.440	85.	86.	86.	86.	2.978	28.49	78429.	58.	43.	1.	1.
14 33 14	75.	-.122	86.	87.	87.	87.	2.982	28.39	78242.	54.	29.	1.	1.

C COMMUTATOR

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/MENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERCY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/MENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/MENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 1 1	24.60	79.1	1.	.024	-.186	-.024	88.	85.	118.	84.	82.	400.	84.
13 1 12	24.70	79.4	0.	.022	-.174	-.056	87.	86.	112.	87.	83.	400.	84.
13 1 17	24.70	79.1	0.	.024	-.127	-.015	86.	86.	111.	85.	81.	400.	83.
13 1 22	11.60	79.7	0.	.037	-.132	-.017	87.	86.	111.	84.	82.	400.	83.
13 1 27	-1.20	79.7	0.	.049	-.208	-.005	87.	87.	112.	85.	82.	400.	85.
13 1 32	-1.25	80.1	-0.	.049	-.210	-.024	87.	87.	111.	85.	83.	400.	84.
13 1 32	-1.40	79.7	-2.	.020	-.220	-.063	87.	85.	111.	84.	85.	400.	84.
13 1 38	-1.37	80.1	-0.	.029	-.213	-.042	87.	85.	110.	85.	84.	400.	84.
13 41 48	-1.15	79.7	-2.	.054	-.205	-.063	85.	85.	101.	84.	84.	400.	84.
13 1 53	-1.22	78.1	-1.	.049	-.205	-.056	86.	86.	106.	83.	83.	400.	84.
13 41 58	-1.25	79.7	-2.	.015	-.161	-.029	86.	86.	115.	85.	83.	400.	84.
13 41 58	-1.30	80.4	-1.	.029	-.176	-.027	86.	85.	112.	84.	83.	400.	84.
13 2 3	-1.40	81.7	-6.	.024	-.235	-.024	86.	84.	100.	84.	82.	400.	84.
13 42 8	-1.62	80.1	-3.	.022	-.239	-.022	87.	85.	111.	85.	82.	400.	84.
13 2 13	-1.20	78.4	0.	.029	-.254	-.029	86.	86.	114.	85.	82.	400.	84.
13 2 18	-1.30	78.7	-1.	.039	-.249	-.022	87.	86.	112.	85.	83.	400.	84.
13 2 23	-1.25	79.7	-1.	.020	-.264	-.039	87.	87.	111.	86.	84.	400.	84.
13 4 6	-1.30	78.1	-1.	.039	-.257	-.032	87.	86.	110.	85.	84.	400.	85.
13 4 11	-1.45	78.4	-1.	.249	-.254	1.329	86.	85.	199.	85.	82.	400.	90.
13 4 11	-1.37	78.1	-0.	.354	-.269	1.312	86.	88.	207.	85.	82.	400.	91.
13 4 16	-1.55	79.7	0.	.459	-.293	1.266	87.	85.	227.	85.	88.	400.	97.
13 4 21	-1.42	79.7	-1.	.203	-.315	.623	87.	79.	233.	84.	81.	400.	100.
13 4 26	-1.35	79.7	-0.	.044	-.298	-.020	86.	88.	235.	86.	82.	400.	103.
13 4 31	-1.32	80.4	-1.	.037	-.310	-.022	87.	87.	229.	86.	83.	400.	105.
13 4 44	-1.85	80.4	-1.	.054	-.298	.010	88.	86.	294.	84.	84.	400.	110.
13 4 42	-1.65	79.7	-1.	.064	-.305	-.037	87.	85.	309.	84.	83.	400.	109.
13 4 47	-1.25	79.1	0.	.059	-.323	-.054	86.	86.	332.	85.	85.	400.	106.
13 4 52	-1.27	79.4	-1.	.039	-.320	-.027	86.	86.	331.	85.	86.	400.	107.
13 4 65	-1.25	77.8	-1.	.049	-.303	-.020	86.	85.	342.	84.	82.	400.	115.
13 5 2	-1.17	78.4	-2.	.044	-.308	-.010	77.	85.	344.	85.	84.	400.	113.
13 5 7	-1.50	73.8	0.	.068	-.303	-.029	87.	86.	345.	86.	86.	400.	108.
13 5 12	-1.42	76.1	-1.	.044	-.293	-.020	86.	85.	337.	86.	87.	400.	107.
13 5 17	-1.30	79.1	0.	.010	-.308	-.073	85.	86.	328.	87.	85.	400.	103.
13 3 22	-1.40	80.1	0.	.022	-.308	-.056	86.	83.	316.	87.	84.	400.	104.
13 5 27	-1.30	80.4	0.	.005	-.327	-.039	86.	84.	305.	80.	86.	400.	99.
13 5 32	-1.57	80.1	-1.	.012	-.325	-.042	86.	85.	301.	88.	87.	400.	98.
13 5 37	-1.50	79.1	0.	.024	-.308	-.039	86.	86.	296.	89.	86.	400.	97.
13 5 42	-1.42	79.4	0.	.481	-.330	.418	86.	86.	293.	89.	85.	400.	99.
13 5 47	-1.40	80.4	1.	.288	-.313	1.046	87.	84.	307.	89.	88.	400.	97.
13 5 52	-1.32	79.7	-0.	.176	-.313	.748	87.	85.	281.	90.	89.	400.	96.
13 5 57	-1.40	84.3	0.	.205	-.308	.528	87.	84.	263.	91.	88.	400.	97.
13 6 7	-1.37	82.8	-0.	.244	-.315	.558	87.	85.	269.	91.	88.	400.	96.
13 6 7	-1.36	81.8	0.	.166	-.313	.239	84.	84.	284.	74.	84.	400.	95.
13 6 12	-1.32	81.8	-0.	.164	-.308	.318	84.	85.	286.	79.	85.	400.	95.
13 6 17	-1.30	78.4	0.	.196	-.342	.386	86.	86.	288.	107.	93.	400.	89.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF MATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 6 22	-1.42	77.8	8.	.213	-.347	.396	88.	86.	289.	112.	98.	400.	89.
13 6 27	-1.40	80.9	0.	.235	-.301	.401	83.	85.	305.	73.	82.	400.	90.
13 6 37	-1.40	85.3	-0.	.225	-.376	.411	83.	85.	306.	70.	83.	400.	91.
13 6 42	-1.35	81.8	-1.	.176	-.367	.435	87.	86.	310.	91.	85.	400.	94.
13 6 47	-1.37	80.1	-3.	.191	-.374	.438	88.	86.	312.	96.	86.	400.	94.
13 6 47	-1.45	77.8	-1.	.191	-.347	.420	84.	85.	305.	111.	96.	400.	88.
13 6 52	-1.32	78.4	-2.	.186	-.362	.413	84.	86.	307.	109.	93.	400.	87.
13 6 57	-1.35	73.8	8.	.484	-.376	.533	84.	86.	324.	84.	86.	402.	89.
13 7 2	-1.27	77.8	1.	.496	-.379	.814	85.	85.	341.	79.	84.	402.	87.
13 7 7	-1.40	73.8	-3.	.448	-.352	1.183	79.	85.	305.	108.	91.	400.	87.
13 7 12	-1.48	75.5	-2.	.459	-.249	.312	82.	85.	398.	107.	92.	401.	89.
13 7 18	-1.25	76.5	-2.	.684	.898	.448	84.	85.	448.	125.	95.	400.	84.
13 7 23	-1.22	77.8	-1.	.726	.186	.415	84.	85.	458.	118.	94.	401.	85.
13 7 28	-1.65	79.1	-2.	.958	.587	.401	86.	86.	497.	88.	79.	400.	86.
13 7 33	-1.45	79.4	-1.	.858	.635	.369	83.	86.	498.	82.	85.	401.	85.
13 7 38	-1.40	81.8	-2.	.411	.528	.288	81.	85.	511.	86.	94.	401.	78.
13 7 43	-1.35	79.1	-0.	.396	.274	.238	83.	86.	503.	103.	99.	400.	82.
13 7 48	-1.35	79.1	22.	.458	-.078	.249	82.	86.	505.	97.	99.	400.	84.
13 7 53	-1.25	78.7	18.	.479	-.088	.239	86.	86.	506.	106.	100.	400.	87.
13 7 58	-1.45	81.8	25.	.518	-.103	.308	84.	86.	510.	85.	91.	400.	84.
13 8 3	-1.42	79.1	29.	.521	-.115	.320	87.	86.	507.	101.	97.	401.	87.
13 48 8	-1.70	82.3	49.	.518	-.137	.376	87.	84.	511.	97.	93.	400.	86.
13 8 13	-1.47	79.4	53.	.547	-.137	.374	86.	87.	505.	112.	99.	400.	88.
13 8 18	-1.20	80.4	59.	.824	-.342	.156	98.	91.	460.	127.	105.	399.	84.
13 8 23	-1.30	80.7	59.	.159	-.327	.225	87.	91.	443.	106.	99.	400.	85.
13 8 28	-1.30	79.7	63.	.455	-.347	.381	83.	91.	401.	95.	93.	401.	94.
13 8 33	-1.32	76.8	61.	.384	-.338	.393	85.	91.	394.	95.	95.	401.	104.
13 8 43	-1.38	78.4	61.	.288	-.342	.503	91.	91.	373.	119.	95.	401.	125.
13 8 43	-1.35	78.1	69.	.288	-.352	.491	89.	92.	367.	119.	97.	401.	128.
13 48 48	-1.45	81.7	68.	.327	-.303	.401	86.	93.	368.	93.	86.	401.	133.
13 8 53	-1.47	83.3	60.	.347	-.305	.384	86.	93.	356.	91.	87.	401.	135.
13 8 58	-1.25	79.1	61.	.388	-.288	.367	88.	92.	351.	108.	94.	400.	146.
13 9 3	-1.22	79.1	61.	.348	-.291	.362	89.	95.	348.	108.	94.	400.	148.
13 9 13	-1.50	79.1	58.	.396	-.238	.352	88.	93.	352.	112.	95.	400.	150.
13 9 18	-1.47	79.7	52.	.386	-.249	.364	86.	94.	346.	107.	94.	400.	152.
13 9 23	-1.25	78.4	60.	.381	-.279	.386	88.	91.	339.	110.	93.	400.	158.
13 9 28	-1.20	78.7	62.	.362	-.264	.374	87.	91.	336.	116.	93.	400.	159.
13 9 28	-1.35	75.2	59.	.367	-.254	.352	84.	95.	334.	102.	93.	401.	164.
13 9 33	-1.37	77.4	60.	.376	-.254	.349	85.	94.	331.	104.	93.	401.	164.
13 9 38	-1.65	81.8	55.	.367	-.288	.352	87.	91.	329.	107.	97.	400.	165.
13 9 43	-1.52	78.1	57.	.367	-.281	.349	87.	90.	329.	108.	94.	400.	167.
13 49 48	-1.10	78.4	54.	.386	-.264	.327	80.	97.	325.	110.	95.	400.	169.
13 9 53	-1.27	79.1	55.	.376	-.252	.354	86.	97.	326.	114.	95.	400.	170.
13 9 59	-1.50	79.1	61.	.386	-.259	.352	88.	92.	327.	112.	94.	400.	170.
13 10 4	-1.40	79.1	57.	.406	-.266	.359	88.	94.	326.	115.	95.	400.	171.
13 10 9	-1.45	79.1	58.	.430	-.254	.347	87.	88.	326.	109.	92.	400.	175.
13 10 22	-1.47	78.7	56.	.406	-.244	.364	87.	90.	329.	113.	94.	400.	175.
13 10 19	-1.40	81.8	57.	.391	-.196	.352	88.	92.	324.	112.	95.	400.	176.
13 10 24	-1.30	77.4	57.	.396	-.213	.266	88.	91.	324.	113.	94.	400.	177.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 18 29	-1.20	77.1	56.	.450	-.244	.376	86.	93.	327.	108.	91.	400.	180.
13 18 34	-1.25	75.5	57.	.430	-.232	.352	85.	94.	326.	108.	92.	400.	181.
13 18 39	-1.55	79.7	59.	.440	-.203	.371	86.	93.	325.	105.	93.	400.	182.
13 18 44	-1.47	79.4	59.	.423	-.259	.367	86.	95.	323.	112.	95.	400.	182.
13 18 49	-1.50	77.8	59.	.420	-.220	.371	89.	90.	320.	124.	97.	400.	180.
13 18 54	-1.40	78.7	58.	.408	-.222	.364	88.	93.	319.	120.	98.	400.	181.
13 11 43	-1.36	79.1	58.	.635	.254	.396	86.	100.	364.	109.	95.	400.	193.
13 51 48	-1.36	78.1	60.	.623	.303	.401	87.	98.	371.	113.	95.	401.	193.
13 51 58	-1.10	80.4	58.	.660	.458	.406	87.	97.	401.	119.	97.	400.	196.
13 12 3	-1.38	81.8	58.	.687	.499	.393	86.	98.	400.	114.	95.	400.	196.
13 12 3	-1.55	79.1	58.	.831	.694	.376	88.	94.	432.	121.	95.	400.	197.
13 52 8	-1.42	78.4	59.	.819	.699	.362	88.	93.	438.	124.	96.	400.	198.
13 12 13	-1.40	83.8	59.	.518	.499	.274	85.	105.	458.	111.	97.	400.	201.
13 12 18	-1.50	81.4	57.	.491	.408	.242	87.	101.	459.	116.	98.	400.	201.
13 12 28	-1.25	81.8	60.	.391	.235	.238	86.	97.	478.	114.	94.	400.	207.
13 12 33	-1.25	81.7	59.	.437	.222	.252	86.	102.	481.	114.	97.	400.	208.
13 12 38	-1.40	81.8	56.	.528	.225	.288	86.	100.	479.	119.	99.	400.	208.
13 12 38	-1.57	80.1	58.	.484	.257	.286	82.	102.	489.	116.	98.	400.	211.
13 12 43	-1.60	77.8	62.	.572	.218	.308	89.	94.	498.	128.	101.	400.	214.
13 52 8	-1.50	81.8	61.	.525	.283	.315	87.	99.	498.	122.	101.	400.	214.
13 12 53	-1.38	84.3	58.	.596	.279	.357	86.	108.	502.	114.	97.	400.	218.
13 12 58	-1.20	83.8	58.	.584	.254	.362	86.	107.	501.	115.	97.	400.	221.
13 13 3	-1.60	79.7	60.	.469	.215	.396	88.	101.	494.	127.	99.	400.	222.
13 13 9	-1.55	79.7	57.	.528	.205	.384	88.	99.	496.	125.	99.	400.	225.
13 13 14	-1.45	79.7	61.	.508	.181	.362	90.	101.	493.	127.	101.	400.	226.
13 13 19	-1.65	80.4	59.	.499	.183	.362	89.	102.	493.	126.	102.	400.	229.
13 13 24	-1.45	84.3	58.	.342	.176	.371	87.	105.	489.	114.	98.	400.	234.
13 13 29	-1.40	83.8	59.	.332	.171	.349	87.	107.	493.	116.	99.	400.	236.
13 13 34	-1.35	80.4	60.	.362	.112	.347	88.	110.	494.	128.	103.	400.	237.
13 13 39	-1.50	82.8	60.	.298	.093	.347	87.	110.	494.	121.	101.	400.	240.
13 13 44	-1.45	81.8	58.	.254	.085	.352	87.	106.	493.	122.	101.	400.	242.
13 13 49	-1.47	79.7	56.	.506	.137	.383	88.	103.	494.	126.	101.	400.	244.
13 13 54	-1.25	80.4	56.	.552	.208	.406	88.	103.	492.	127.	103.	400.	244.
13 13 59	-1.35	80.4	56.	.518	.191	.354	87.	106.	493.	126.	103.	400.	247.
13 14 4	-1.60	81.8	57.	.543	.142	.383	87.	114.	500.	119.	98.	400.	250.
13 14 9	-1.50	81.4	59.	.521	.147	.385	88.	113.	498.	122.	99.	400.	252.
13 14 14	-1.40	80.4	60.	.533	.127	.423	93.	109.	494.	121.	103.	400.	252.
13 14 19	-1.45	80.1	59.	.472	.330	.369	91.	106.	492.	118.	103.	400.	252.
13 14 24	-1.30	77.1	56.	.308	.391	.362	89.	104.	479.	130.	105.	400.	257.
13 14 34	-1.20	77.8	58.	.305	.359	.335	89.	105.	487.	132.	103.	400.	258.
13 14 34	-1.20	83.8	57.	.244	.264	.313	87.	117.	498.	116.	100.	400.	261.
13 14 39	-1.92	80.1	60.	.222	.254	.383	88.	112.	495.	122.	102.	400.	261.
13 14 44	-1.40	79.1	65.	-.010	-.010	.215	87.	114.	498.	118.	95.	400.	268.
13 14 49	-1.50	79.1	66.	.362	.154	.318	87.	111.	496.	122.	99.	400.	263.
13 14 54	-1.20	78.4	63.	.411	.117	.318	90.	106.	498.	132.	103.	400.	267.
13 15 4	-1.22	78.4	66.	.459	.056	.318	89.	111.	495.	132.	104.	400.	268.
13 15 9	-1.60	83.8	67.	.357	.078	.288	88.	120.	497.	119.	99.	400.	270.
13 15 14	-1.37	84.8	68.	.381	.042	.293	88.	118.	498.	119.	99.	400.	271.
13 15 19	-1.48	80.4	69.	.499	.085	.283	88.	113.	497.	126.	102.	400.	273.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK STM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERCY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR OWMSTR OF ANTI ICE V
13 15 19	-1.42	79.7	66.	.464	-.882	.318	88.	115.	499.	127.	101.	400.	274.
13 15 24	-1.60	81.8	78.	.357	-.864	.323	98.	114.	494.	126.	101.	400.	277.
13 15 29	-1.45	82.8	73.	.359	-.864	.323	89.	112.	500.	123.	101.	400.	279.
13 15 34	-1.45	79.1	73.	.318	-.183	.332	98.	116.	489.	127.	102.	400.	283.
13 15 39	-1.32	79.4	75.	.325	-.895	.337	88.	117.	494.	125.	102.	400.	284.
13 15 44	-1.60	82.3	76.	.523	-.191	.352	87.	116.	501.	119.	97.	400.	285.
13 15 50	-1.27	82.8	76.	.565	.846	.462	87.	118.	501.	128.	98.	400.	282.
13 15 55	-1.50	81.7	78.	.552	.191	.367	87.	117.	498.	123.	102.	400.	289.
13 16 0	-1.45	82.8	78.	.516	.115	.349	87.	116.	500.	121.	101.	400.	289.
13 16 5	-1.40	80.4	86.	.562	.834	.313	88.	114.	501.	127.	103.	400.	289.
13 16 10	-1.47	79.7	84.	.545	.864	.303	89.	115.	501.	128.	103.	400.	288.
13 16 15	-1.28	81.8	83.	.523	.112	.308	88.	112.	498.	124.	105.	400.	289.
13 16 20	-1.18	79.7	84.	.464	.274	.362	89.	112.	498.	128.	105.	400.	289.
13 16 25	-1.20	82.3	82.	.438	.347	.362	87.	119.	501.	119.	102.	400.	292.
13 16 30	-1.35	82.8	83.	.391	.318	.335	88.	115.	498.	123.	102.	400.	291.
13 16 35	-1.35	79.1	85.	.293	.249	.298	98.	117.	498.	132.	102.	400.	293.
13 16 40	-1.37	80.4	87.	.274	.244	.293	89.	119.	500.	130.	101.	400.	294.
13 16 53	-1.60	80.4	89.	.834	.829	.215	98.	115.	489.	134.	106.	400.	292.
13 16 50	-1.57	83.8	98.	.362	.130	.352	89.	116.	487.	126.	103.	400.	295.
13 56 55	-1.10	81.7	91.	.513	.873	.342	88.	120.	505.	119.	101.	400.	300.
13 17 0	-1.28	82.7	89.	.499	.881	.323	88.	119.	501.	120.	101.	400.	300.
13 17 10	-1.65	79.1	98.	.459	-.828	.308	91.	114.	497.	134.	106.	400.	295.
13 17 10	-1.55	79.7	89.	.437	-.832	.313	98.	116.	498.	132.	100.	400.	299.
13 17 15	-1.40	82.3	89.	.435	-.878	.337	87.	112.	496.	116.	102.	400.	300.
13 17 20	-1.48	83.7	89.	.410	-.842	.347	88.	115.	493.	110.	101.	400.	302.
13 17 25	-1.38	85.6	98.	.308	-.883	.362	86.	117.	498.	115.	102.	400.	303.
13 17 30	-1.47	83.3	98.	.327	-.871	.354	88.	119.	498.	120.	99.	400.	303.
13 17 40	-1.25	84.3	92.	.337	-.878	.308	87.	122.	501.	110.	101.	400.	305.
13 17 45	-1.25	83.7	92.	.345	-.866	.318	87.	110.	500.	120.	101.	400.	306.
13 17 50	-1.60	82.3	90.	.699	-.142	.430	87.	121.	498.	120.	100.	400.	307.
13 17 55	-1.50	83.3	90.	.721	.866	.501	88.	121.	502.	125.	100.	400.	307.
13 17 55	-1.55	81.8	90.	.425	.117	.323	88.	100.	500.	127.	103.	400.	299.
13 18 0	-1.47	79.1	88.	.506	.105	.337	89.	113.	501.	131.	105.	400.	302.
13 18 5	-1.70	80.4	90.	.547	.888	.327	90.	110.	489.	134.	103.	400.	305.
13 18 10	-1.57	79.7	90.	.510	.100	.330	89.	115.	493.	135.	104.	400.	306.
13 18 15	-1.30	82.3	90.	.611	.401	.445	87.	121.	501.	121.	95.	400.	310.
13 18 20	-1.27	80.7	90.	.511	.445	.424	87.	123.	500.	121.	99.	400.	309.
13 18 26	-1.55	79.7	89.	.362	.337	.342	90.	116.	497.	132.	100.	400.	304.
13 18 31	-1.42	81.4	89.	.323	.298	.327	89.	117.	498.	127.	104.	400.	306.
13 18 36	-1.25	79.1	87.	.249	.228	.269	88.	116.	479.	127.	106.	400.	305.
13 18 41	-1.10	79.4	90.	.232	.225	.291	88.	116.	496.	127.	105.	400.	306.
13 18 46	-1.35	79.1	93.	.156	.088	.288	89.	120.	500.	121.	100.	400.	309.
13 18 51	-1.47	80.4	90.	.393	.137	.347	88.	122.	500.	124.	102.	400.	307.
13 18 56	-1.25	82.3	90.	.943	.357	.508	88.	116.	497.	127.	103.	400.	304.
13 19 1	-1.95	81.7	89.	.692	.022	.579	88.	114.	497.	120.	105.	400.	304.
13 19 6	-1.35	79.7	87.	.428	-.327	.445	90.	119.	501.	130.	104.	400.	305.
13 19 11	-1.35	79.4	89.	.486	-.118	.318	90.	116.	501.	130.	104.	400.	306.
13 19 16	-1.48	81.8	86.	.464	.844	.244	88.	119.	498.	132.	105.	400.	307.
13 19 21	-1.37	81.8	85.	.464	-.882	.249	88.	116.	493.	135.	105.	400.	309.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 22 24	-1.50	81.8	85.	.181	-.274	.264	90.	115.	455.	136.	105.	399.	307.
13 22 29	-1.50	81.4	86.	.242	-.313	.349	89.	116.	392.	133.	105.	399.	297.
13 22 34	-1.20	82.3	86.	.303	-.313	.391	89.	123.	334.	124.	100.	400.	288.
13 22 34	-1.20	80.1	86.	.305	-.325	.411	89.	119.	331.	130.	103.	400.	286.
13 22 39	-1.65	83.7	88.	.323	-.357	.440	88.	123.	330.	121.	101.	400.	285.
13 22 44	-1.47	83.8	87.	.305	-.347	.440	89.	122.	329.	124.	101.	400.	284.
13 22 49	-1.20	83.7	85.	.293	-.332	.445	88.	119.	325.	119.	101.	400.	284.
13 22 54	-1.35	83.8	86.	.310	-.327	.428	88.	120.	327.	120.	101.	400.	283.
13 22 59	-1.85	82.3	84.	.283	-.303	.440	88.	123.	326.	119.	100.	400.	280.
13 23 4	-1.62	81.8	87.	.310	-.303	.440	88.	123.	326.	119.	100.	400.	280.
13 23 10	-1.25	81.7	84.	.269	-.303	.459	89.	119.	322.	127.	103.	400.	278.
13 23 15	-1.25	82.7	83.	.286	-.310	.464	96.	116.	324.	134.	106.	400.	279.
13 23 20	-1.20	82.3	87.	.327	-.391	.440	89.	119.	324.	129.	105.	400.	281.
13 23 25	-1.15	81.4	86.	.310	-.371	.450	88.	119.	325.	136.	101.	400.	283.
13 23 30	-1.50	84.3	87.	.313	-.342	.481	88.	120.	326.	116.	102.	400.	282.
13 23 35	-1.45	83.3	85.	.328	-.352	.420	88.	116.	325.	119.	101.	400.	280.
13 23 40	-1.30	83.8	84.	.274	-.347	.445	87.	114.	322.	122.	103.	400.	278.
13 23 45	-1.50	82.3	87.	.296	-.335	.420	88.	119.	324.	116.	100.	400.	280.
13 23 50	-1.85	78.4	88.	.288	-.303	.430	88.	119.	326.	123.	102.	400.	278.
13 23 55	-1.72	81.8	89.	.291	-.308	.418	90.	113.	322.	132.	100.	400.	276.
13 24 0	-1.20	83.8	88.	.337	-.323	.481	89.	110.	324.	127.	100.	400.	276.
13 24 5	-1.35	81.7	86.	.313	-.342	.423	88.	113.	320.	126.	103.	400.	273.
13 24 10	-1.65	78.4	84.	.283	-.298	.420	89.	116.	321.	127.	104.	400.	271.
13 24 15	-1.42	81.4	84.	.305	-.318	.415	90.	114.	319.	134.	105.	400.	272.
13 24 20	-1.20	81.8	82.	.332	-.327	.481	90.	114.	319.	134.	105.	400.	271.
13 24 25	-1.35	79.7	85.	.313	-.335	.420	90.	112.	319.	134.	105.	400.	268.
13 24 30	-1.40	83.8	90.	.293	-.298	.435	89.	113.	321.	134.	104.	400.	269.
13 24 35	-1.37	81.4	84.	.313	-.318	.423	88.	119.	322.	118.	99.	400.	274.
13 24 40	-.95	79.7	86.	.269	-.303	.347	88.	119.	322.	123.	101.	400.	271.
13 24 45	-1.17	78.7	87.	.281	-.318	.386	90.	111.	321.	136.	103.	400.	268.
13 24 50	-1.65	84.3	85.	.337	-.352	.420	90.	114.	321.	137.	104.	400.	267.
13 24 55	-1.55	83.8	86.	.340	-.354	.425	87.	120.	317.	121.	101.	400.	268.
13 25 0	-1.20	82.3	86.	.279	-.300	.259	86.	119.	319.	122.	102.	400.	268.
13 25 5	-1.25	83.3	86.	.283	-.305	.332	88.	122.	326.	125.	100.	400.	268.
13 25 10	-1.35	83.7	86.	.264	-.327	.401	88.	122.	324.	123.	100.	400.	268.
13 25 15	-1.47	82.8	85.	.279	-.342	.332	87.	112.	319.	127.	104.	400.	265.
13 25 23	-1.25	79.1	86.	.308	-.313	.406	88.	117.	319.	128.	103.	400.	268.
13 25 28	-1.22	79.1	86.	.310	-.320	.418	88.	119.	319.	113.	106.	400.	270.
13 25 33	-1.35	79.1	88.	.352	-.342	.430	89.	116.	320.	128.	108.	400.	268.
13 25 38	-1.37	80.1	87.	.330	-.337	.406	88.	116.	320.	134.	114.	400.	263.
13 25 43	-1.30	83.7	84.	.230	-.327	.367	88.	119.	322.	133.	113.	400.	264.
13 25 46	-1.32	81.8	84.	.247	-.315	.389	85.	118.	322.	129.	106.	400.	265.
13 25 51	-1.85	84.3	87.	.283	-.352	.435	87.	114.	321.	137.	106.	400.	264.
13 25 56	-1.50	84.8	86.	.291	-.352	.411	88.	119.	321.	133.	106.	400.	267.
13 26 1	-1.60	81.7	84.	.283	-.313	.362	87.	117.	320.	133.	106.	400.	266.
13 26 6	-1.45	82.8	84.	.293	-.332	.403	89.	117.	320.	144.	109.	400.	261.
13 26 11	-1.40	83.8	89.	.318	-.347	.406	88.	118.	321.	138.	107.	400.	262.
13 26 16	-1.32	83.7	87.	.315	-.345	.406	84.	121.	321.	121.	111.	393.	261.
13 26 21	-1.25	79.1	90.	.342	-.332	.411	85.	120.	321.	123.	113.	396.	261.
							90.	118.	319.	142.	121.	400.	260.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDIRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 26 26	-1.27	81.7	89.	.330	-.345	.406	88.	120.	320.	130.	121.	400.	261.
13 26 31	-1.68	85.6	90.	.327	-.323	.401	88.	122.	320.	136.	116.	400.	263.
13 26 36	-1.45	84.6	90.	.325	-.327	.391	88.	120.	320.	142.	118.	400.	280.
13 26 41	-1.65	81.7	85.	.230	-.332	.376	89.	112.	315.	149.	116.	400.	255.
13 26 46	-1.67	88.4	85.	.247	-.347	.340	89.	113.	316.	149.	114.	400.	256.
13 49 8	-1.45	85.8	82.	.293	-.318	.327	86.	117.	320.	127.	97.	400.	218.
13 49 13	4.65	83.7	81.	.310	-.320	.348	87.	119.	320.	135.	103.	400.	210.
13 49 18	11.80	86.3	83.	.259	-.352	.308	85.	121.	316.	127.	105.	400.	215.
13 49 23	10.95	85.6	83.	.264	-.337	.340	86.	119.	318.	127.	105.	400.	214.
13 49 28	10.38	85.8	85.	.293	-.323	.391	85.	123.	320.	128.	106.	400.	212.
13 49 33	10.18	85.8	86.	.291	-.308	.369	86.	123.	317.	131.	106.	400.	212.
13 49 38	9.88	85.8	85.	.279	-.283	.371	88.	118.	315.	137.	106.	400.	211.
13 49 43	9.85	84.8	84.	.291	-.281	.369	87.	115.	317.	126.	105.	400.	212.
13 49 48	9.95	85.8	85.	.279	-.288	.381	85.	125.	317.	128.	104.	400.	213.
13 49 58	9.68	85.8	85.	.264	-.261	.362	86.	128.	316.	130.	105.	400.	212.
13 50 3	10.10	85.8	86.	.254	-.259	.386	85.	123.	320.	134.	105.	400.	212.
13 50 8	9.82	85.6	84.	.244	-.264	.384	82.	123.	320.	131.	100.	400.	214.
13 50 13	9.58	87.6	83.	.327	-.220	.347	84.	125.	315.	126.	105.	400.	211.
13 50 18	4.95	85.6	83.	.271	-.244	.347	85.	121.	319.	136.	105.	400.	211.
13 50 18	-1.65	86.3	83.	.323	-.220	.371	88.	121.	314.	138.	108.	400.	218.
13 50 23	-1.42	84.6	80.	.279	-.237	.371	88.	119.	318.	139.	108.	400.	211.
13 50 28	-1.15	84.3	83.	.288	-.215	.342	88.	122.	316.	138.	107.	400.	210.
13 50 33	-1.28	85.6	84.	.259	-.247	.342	87.	121.	318.	137.	107.	400.	210.
13 50 38	-1.80	83.8	87.	.313	-.239	.327	88.	116.	320.	139.	106.	400.	210.
13 50 43	-1.55	83.3	85.	.288	-.239	.349	86.	115.	321.	133.	104.	400.	210.
13 50 48	-1.55	85.8	82.	.279	-.244	.362	84.	116.	314.	138.	108.	400.	210.
13 50 54	-1.37	84.8	82.	.269	-.244	.367	86.	116.	316.	138.	107.	400.	210.
13 50 59	-1.35	83.7	83.	.274	-.225	.352	87.	114.	320.	133.	106.	400.	211.
13 51 4	2.68	84.8	82.	.279	-.252	.376	86.	119.	317.	132.	106.	400.	211.
13 51 9	6.68	86.3	86.	.298	-.228	.332	84.	125.	325.	129.	103.	400.	213.
13 51 14	6.58	85.9	85.	.296	-.220	.335	85.	122.	322.	133.	105.	400.	212.
13 51 19	-1.65	84.3	82.	.283	-.218	.347	88.	117.	320.	133.	104.	400.	211.
13 51 24	-1.68	84.3	82.	.269	-.222	.357	88.	116.	326.	135.	105.	400.	211.
13 51 29	-1.38	86.3	86.	.293	-.228	.388	85.	121.	321.	127.	102.	400.	214.
14 3 13	-1.42	88.1	84.	.383	-.198	.357	86.	119.	324.	131.	105.	400.	214.
14 3 18	-1.85	85.6	84.	.474	0.888	.357	89.	119.	345.	137.	106.	401.	214.
14 3 23	-1.67	86.3	79.	.535	.159	.381	88.	122.	359.	138.	104.	401.	215.
14 3 33	-1.68	84.3	85.	.674	.445	.415	86.	128.	379.	125.	101.	401.	216.
14 3 38	-1.47	85.6	84.	.738	.643	.442	87.	119.	397.	126.	101.	400.	217.
14 3 43	-1.55	86.3	84.	.816	1.144	.386	88.	124.	445.	124.	102.	400.	221.
14 3 43	-1.57	86.9	83.	.755	1.078	.335	88.	122.	457.	125.	102.	400.	221.
14 43 48	-1.40	90.8	82.	.591	.777	.235	90.	110.	477.	135.	105.	400.	219.
14 3 53	-1.58	89.2	84.	.486	.781	.239	88.	128.	498.	138.	103.	400.	222.
14 43 58	-1.38	88.2	91.	.484	.459	.249	87.	125.	534.	127.	95.	400.	227.
14 4 3	-1.38	87.6	92.	.481	.386	.249	87.	126.	543.	127.	100.	401.	228.
14 4 8	-1.25	90.2	92.	.481	.218	.152	88.	119.	583.	134.	107.	400.	232.
14 4 14	-1.25	88.6	92.	.362	.144	.203	88.	121.	573.	132.	105.	400.	236.
14 4 19	-1.15	85.8	91.	.382	-.044	.293	88.	119.	604.	131.	104.	401.	248.
14 4 24	-1.28	85.8	91.	.367	-.042	.301	89.	128.	638.	135.	105.	400.	241.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
14 4 29	-1.70	87.6	91.	.367	-.054	.332	89.	124.	627.	133.	106.	400.	245.
14 4 34	-1.40	87.6	91.	.415	-.054	.327	89.	125.	648.	134.	107.	400.	247.
14 4 39	-1.25	88.2	97.	.352	-.078	.371	88.	129.	688.	129.	103.	400.	255.
14 4 44	-1.12	88.6	96.	.389	-.054	.359	87.	130.	683.	129.	104.	400.	257.
14 4 49	-1.35	85.6	91.	.337	-.068	.318	90.	125.	729.	141.	110.	400.	256.
14 4 54	-1.42	86.3	91.	.401	-.034	.315	88.	127.	745.	136.	110.	400.	258.
14 4 59	-1.50	86.3	93.	.352	-.088	.323	89.	128.	719.	141.	111.	400.	267.
14 5 4	-1.45	89.2	94.	.391	-.073	.345	88.	131.	724.	136.	110.	400.	278.
14 5 9	-1.60	89.5	96.	.293	-.127	.371	84.	134.	748.	134.	108.	400.	277.
14 5 14	-1.30	87.2	91.	.332	-.105	.352	87.	131.	748.	139.	109.	400.	276.
14 5 19	-1.18	85.6	78.	.371	-.044	.323	88.	128.	761.	136.	107.	400.	278.
14 5 24	-1.15	86.9	78.	.369	-.056	.315	88.	131.	768.	132.	107.	400.	279.
14 5 29	-1.20	88.2	78.	.415	-.044	.362	86.	136.	782.	130.	107.	400.	287.
14 5 39	-1.40	87.6	79.	.374	-.064	.362	87.	132.	779.	135.	109.	400.	287.
14 5 39	-1.55	86.9	88.	.376	-.024	.347	88.	138.	775.	138.	111.	400.	291.
14 5 44	-1.40	86.9	76.	.398	-.020	.330	87.	136.	774.	135.	109.	400.	294.
14 5 49	-1.75	90.2	76.	.371	-.059	.362	84.	139.	779.	130.	108.	400.	295.
14 5 54	-1.80	89.2	73.	.374	-.054	.332	86.	136.	718.	138.	109.	399.	296.
14 5 59	-1.85	86.9	78.	.215	-.161	.293	90.	139.	591.	143.	112.	398.	301.
14 6 9	-1.80	86.9	79.	.191	-.257	.293	89.	134.	564.	137.	109.	399.	299.
14 6 14	-1.55	86.9	79.	.191	-.371	.347	89.	140.	496.	141.	111.	400.	301.
14 6 19	-1.52	86.9	80.	.193	-.347	.364	89.	137.	488.	148.	110.	400.	301.
14 6 19	-1.05	85.6	81.	.215	-.318	.371	87.	139.	443.	137.	108.	401.	307.
14 6 24	-1.10	86.6	82.	.242	-.315	.359	87.	136.	432.	131.	104.	401.	307.
14 16 29	-1.45	88.9	78.	.249	-.362	.411	89.	137.	399.	139.	108.	400.	307.
14 14 36	-1.47	88.9	76.	.261	-.293	.415	89.	130.	359.	133.	105.	400.	289.
14 14 41	-1.45	86.9	75.	.269	-.238	.401	92.	128.	322.	131.	103.	400.	270.
14 14 46	-1.27	85.6	74.	.291	-.217	.386	92.	122.	321.	133.	105.	400.	278.
14 14 51	-1.35	89.5	72.	.327	-.176	.347	90.	117.	331.	123.	103.	400.	270.
14 15 1	-1.40	81.7	72.	.327	-.178	.349	90.	122.	324.	127.	105.	400.	269.
14 15 6	-1.50	88.2	73.	.269	-.244	.396	93.	123.	319.	138.	105.	400.	266.
14 15 11	-1.40	88.6	73.	.298	-.222	.371	93.	122.	321.	136.	105.	400.	266.
14 15 11	-1.10	87.6	69.	.327	-.191	.357	90.	129.	322.	131.	105.	400.	267.
14 15 16	-1.22	87.6	72.	.308	-.208	.364	82.	125.	322.	123.	104.	400.	268.
14 15 21	-1.00	73.8	68.	.313	-.318	.352	93.	125.	322.	133.	105.	401.	267.
14 15 26	-1.25	81.7	72.	.288	-.274	.381	90.	126.	322.	129.	103.	400.	267.
14 15 31	-1.40	88.9	69.	.283	-.238	.425	88.	125.	319.	126.	103.	400.	268.
14 15 36	-1.45	88.6	72.	.257	-.218	.408	90.	123.	321.	127.	103.	400.	268.
14 15 42	-1.35	88.9	72.	.298	-.225	.396	90.	121.	320.	125.	103.	400.	262.
14 15 47	-1.30	89.2	71.	.301	-.232	.398	91.	124.	320.	131.	105.	400.	261.
14 15 52	-1.65	91.5	72.	.283	-.235	.386	90.	130.	320.	125.	104.	400.	261.
14 17 19	-1.45	87.9	71.	.288	-.244	.381	89.	129.	319.	124.	103.	400.	257.
14 17 24	-1.10	86.3	71.	.284	-.230	.386	90.	123.	321.	137.	107.	400.	254.
14 17 29	-1.05	87.6	72.	.286	-.228	.379	94.	124.	322.	130.	106.	400.	254.
14 17 34	-1.45	87.6	72.	.283	-.220	.352	91.	119.	319.	135.	109.	401.	253.
14 17 39	-1.52	88.9	74.	.279	-.213	.364	90.	124.	320.	138.	107.	401.	255.
14 17 44	-1.58	86.9	78.	.235	-.230	.357	92.	127.	320.	137.	108.	400.	251.
14 17 54	-1.37	87.2	72.	.285	-.228	.371	93.	122.	319.	136.	108.	400.	250.
14 17 59	-1.20	84.3	72.	.238	-.239	.332	94.	128.	324.	132.	107.	400.	249.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY101-PY102	EC 114 TEMP EMERCY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
14 18 4	-1.10	85.8	72.	.235	-.213	.371	92.	124.	324.	124.	185.	408.	258.
14 13 4	-1.45	90.2	71.	.313	-.239	.347	91.	127.	325.	127.	186.	408.	253.
14 18 9	-1.32	89.5	72.	.286	-.237	.376	92.	123.	322.	129.	185.	408.	258.
14 18 14	-1.60	88.9	72.	.313	-.215	.366	84.	121.	328.	135.	186.	408.	246.
14 18 19	-1.55	88.9	74.	.385	-.227	.396	89.	128.	321.	136.	187.	408.	246.
14 32 7	-1.40	91.5	64.	-.078	-.254	.018	91.	132.	369.	127.	180.	410.	172.
14 32 13	-1.52	90.5	43.	-.081	-.264	-.017	92.	128.	366.	124.	187.	405.	172.
14 32 18	-1.35	89.5	18.	-.029	-.244	-.073	93.	127.	363.	127.	119.	408.	165.
14 32 23	-1.25	89.9	8.	-.027	-.261	-.061	93.	126.	358.	126.	118.	408.	167.
14 32 28	-1.20	90.8	-2.	-.064	-.283	0.088	93.	125.	352.	121.	118.	408.	172.
14 32 33	-1.25	90.2	-4.	-.054	-.269	-.017	92.	125.	350.	124.	118.	408.	171.
14 32 39	-1.15	90.2	1.	-.044	-.254	-.034	93.	125.	347.	123.	115.	408.	174.
14 32 44	-1.50	90.8	-1.	-.061	-.254	-.032	94.	126.	342.	125.	116.	408.	172.
14 32 49	-1.25	91.5	1.	-.073	-.313	-.020	93.	127.	335.	126.	117.	408.	172.
14 32 54	-1.37	94.8	-0.	-.059	-.286	-.022	93.	127.	334.	123.	114.	408.	173.
14 32 59	-1.20	90.2	-0.	-.078	-.283	-.018	93.	127.	338.	125.	115.	408.	172.
14 33 4	-1.35	90.5	-4.	-.071	-.264	-.024	93.	127.	329.	124.	116.	408.	172.
14 33 9	-1.35	90.2	1.	0.088	-.269	-.117	93.	127.	321.	124.	115.	408.	172.
14 33 14	-2.00	87.9	0.	-.042	-.274	-.068	93.	127.	321.	128.	114.	408.	172.

C COMMUTATOR

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW GAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 DEGF
17				
13 1 1	LOW	LOW	84.	84.
13 1 12	*888888.	*888888.	85.	84.
13 1 17	848.	848.	85.	84.
13 1 22	848.	848.	85.	84.
13 1 27	848.	848.	84.	84.
13 1 32	848.	848.	84.	83.
13 1 32	848.	848.	84.	84.
13 1 38	848.	848.	84.	84.
13 41 48	848.	848.	84.	84.
13 1 53	848.	848.	84.	84.
13 41 58	848.	848.	84.	84.
13 41 58	848.	848.	85.	85.
13 2 3	848.	848.	84.	84.
13 42 8	848.	848.	84.	85.
13 2 13	848.	848.	84.	85.
13 2 18	848.	848.	84.	85.
13 2 23	848.	848.	84.	84.
13 4 6	848.	848.	82.	84.
13 4 11	848.	848.	84.	84.
13 4 11	848.	848.	84.	84.
13 4 16	848.	848.	84.	85.
13 4 21	848.	848.	84.	85.
13 4 26	848.	848.	83.	86.
13 4 31	848.	848.	83.	85.
13 4 44	848.	848.	79.	84.
13 4 42	848.	848.	82.	85.
13 4 47	848.	848.	84.	85.
13 4 52	848.	848.	84.	85.
13 4 65	848.	848.	84.	85.
13 5 2	848.	848.	83.	82.
13 5 7	848.	848.	84.	88.
13 5 12	848.	848.	84.	87.
13 5 17	848.	848.	84.	85.
13 5 22	848.	848.	84.	85.
13 5 27	848.	848.	83.	86.
13 5 32	848.	848.	83.	85.
13 5 37	848.	848.	84.	85.
13 5 42	848.	848.	84.	85.
13 5 47	848.	848.	83.	85.
13 5 52	848.	848.	84.	85.
13 5 57	848.	848.	86.	86.
13 6 7	848.	848.	84.	86.
13 6 7	846.	848.	79.	86.
13 6 12	848.	848.	81.	85.
13 6 17	848.	848.	74.	85.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 DEGF
17				
13 6 22	848.	844.	78.	85.
13 6 27	848.	848.	84.	84.
13 6 37	848.	848.	83.	85.
13 6 42	848.	848.	84.	84.
13 6 47	848.	848.	85.	84.
13 6 47	846.	848.	84.	86.
13 6 52	848.	848.	83.	86.
13 6 57	848.	848.	84.	84.
13 7 2	846.	848.	84.	84.
13 7 7	848.	848.	83.	86.
13 7 12	848.	848.	83.	85.
13 7 18	848.	848.	83.	86.
13 7 23	848.	848.	81.	86.
13 7 28	848.	848.	84.	82.
13 7 33	848.	848.	82.	83.
13 7 38	848.	848.	88.	84.
13 7 43	848.	848.	81.	85.
13 7 48	848.	848.	82.	85.
13 7 53	848.	848.	83.	86.
13 7 58	848.	848.	79.	84.
13 8 3	848.	848.	81.	83.
13 48 8	848.	848.	84.	84.
13 8 13	848.	848.	84.	85.
13 8 18	848.	848.	80.	86.
13 8 23	848.	848.	82.	85.
13 8 28	848.	848.	82.	85.
13 8 33	848.	848.	82.	86.
13 8 43	848.	848.	84.	86.
13 8 43	848.	848.	83.	86.
13 48 48	848.	848.	78.	84.
13 8 53	848.	848.	81.	84.
13 8 58	848.	848.	82.	85.
13 9 3	848.	848.	84.	85.
13 9 13	848.	848.	84.	74.
13 9 18	848.	848.	83.	80.
13 9 23	848.	848.	82.	84.
13 9 28	848.	848.	83.	85.
13 9 28	848.	848.	84.	86.
13 9 33	848.	848.	84.	86.
13 9 38	848.	848.	84.	87.
13 9 43	848.	848.	83.	87.
13 49 48	848.	848.	83.	84.
13 9 53	848.	848.	84.	85.
13 9 59	848.	848.	83.	86.
13 10 4	848.	848.	83.	85.
13 10 9	848.	848.	82.	88.
13 10 22	848.	848.	87.	86.
13 10 19	848.	848.	79.	74.
13 10 24	848.	848.	81.	81.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 DEGF
17				
13 18 29	848.	848.	84.	87.
13 19 34	848.	848.	84.	86.
13 18 39	848.	848.	79.	88.
13 18 44	848.	848.	88.	87.
13 19 49	848.	848.	82.	87.
13 18 54	848.	848.	83.	86.
13 11 43	848.	848.	84.	87.
13 51 48	848.	848.	84.	87.
13 51 58	848.	848.	82.	89.
13 12 3	848.	848.	83.	88.
13 12 3	848.	848.	83.	90.
13 52 8	848.	848.	83.	91.
13 12 13	848.	848.	84.	83.
13 12 18	848.	848.	83.	86.
13 12 28	848.	848.	86.	88.
13 12 33	848.	848.	84.	87.
13 12 38	848.	848.	82.	88.
13 12 38	848.	848.	83.	87.
13 12 43	848.	848.	82.	92.
13 52 48	848.	848.	82.	90.
13 12 53	848.	848.	84.	85.
13 12 58	848.	848.	84.	86.
13 13 3	848.	848.	82.	90.
13 13 9	848.	848.	82.	90.
13 13 14	848.	848.	82.	91.
13 13 19	848.	848.	82.	91.
13 13 24	848.	848.	83.	91.
13 13 29	848.	848.	84.	88.
13 13 34	848.	848.	82.	64.
13 13 39	848.	848.	82.	87.
13 13 44	848.	848.	82.	91.
13 13 49	846.	848.	85.	93.
13 13 54	848.	848.	82.	93.
12 13 59	848.	848.	79.	92.
13 14 4	848.	848.	84.	90.
13 14 9	848.	848.	84.	90.
13 14 14	848.	848.	82.	92.
13 14 19	848.	848.	82.	93.
13 14 24	848.	848.	81.	97.
13 14 34	848.	848.	82.	95.
13 14 34	848.	848.	82.	84.
13 14 39	848.	848.	83.	89.
13 14 44	848.	848.	86.	90.
13 14 49	848.	848.	84.	93.
13 14 54	848.	848.	82.	97.
13 15 4	848.	848.	84.	94.
13 15 9	848.	848.	84.	89.
13 15 14	848.	848.	81.	91.
13 15 19	848.	848.	74.	94.

TIME M/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
I7				
13 15 19	848.	848.	79.	89.
13 15 24	848.	848.	84.	93.
13 15 29	848.	848.	82.	93.
13 15 34	848.	848.	84.	93.
13 15 39	848.	848.	83.	92.
13 15 44	848.	848.	84.	91.
13 15 50	848.	848.	84.	91.
13 15 55	848.	848.	81.	94.
13 16 0	848.	848.	80.	94.
13 16 5	848.	848.	82.	94.
13 16 10	848.	848.	83.	94.
13 16 15	848.	848.	82.	95.
13 16 20	848.	848.	80.	95.
13 16 25	848.	848.	83.	91.
13 16 30	848.	848.	82.	93.
13 16 35	848.	848.	84.	94.
13 16 40	848.	848.	83.	96.
13 16 53	848.	848.	82.	95.
13 16 58	848.	848.	82.	95.
13 56 55	848.	848.	82.	93.
13 17 0	848.	848.	82.	93.
13 17 10	848.	848.	83.	95.
13 17 10	848.	848.	83.	95.
13 17 15	848.	848.	81.	97.
13 17 20	848.	848.	80.	95.
13 17 25	848.	848.	79.	94.
13 17 30	848.	848.	81.	93.
13 17 40	848.	848.	82.	93.
13 17 45	848.	848.	81.	94.
13 17 50	848.	848.	83.	92.
13 17 55	848.	848.	83.	92.
13 17 55	848.	848.	81.	97.
13 18 0	848.	848.	82.	96.
13 18 5	848.	848.	84.	94.
13 18 10	848.	848.	83.	95.
13 18 15	848.	848.	82.	92.
13 18 20	848.	848.	82.	91.
13 18 26	848.	848.	82.	95.
13 18 31	848.	848.	82.	95.
13 18 36	848.	848.	82.	95.
13 18 41	848.	848.	82.	95.
13 18 46	848.	848.	82.	92.
13 18 51	848.	848.	83.	91.
13 18 56	848.	848.	82.	95.
13 19 1	848.	848.	82.	97.
13 19 6	848.	848.	83.	94.
13 19 11	848.	848.	82.	95.
13 19 16	848.	848.	82.	93.
13 19 21	848.	848.	81.	95.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 DEGF
17				
13 22 24	848.	848.	82.	93.
13 22 29	759.	848.	81.	94.
13 22 34	848.	848.	83.	91.
13 22 34	848.	848.	83.	92.
13 22 39	848.	848.	84.	89.
13 22 44	848.	848.	84.	90.
13 22 49	848.	848.	82.	92.
13 22 54	848.	848.	82.	88.
13 22 59	848.	848.	84.	88.
13 23 4	848.	848.	83.	91.
13 23 10	848.	848.	83.	91.
13 23 15	848.	848.	83.	91.
13 23 20	848.	848.	82.	91.
13 23 25	848.	848.	83.	88.
13 23 30	848.	848.	84.	88.
13 23 35	848.	848.	83.	91.
13 23 40	848.	848.	82.	92.
13 23 45	848.	848.	83.	91.
13 23 50	848.	848.	81.	95.
13 23 55	848.	848.	82.	91.
13 24 0	848.	848.	81.	91.
13 24 5	848.	848.	82.	91.
13 24 10	848.	848.	82.	95.
13 24 15	848.	848.	82.	95.
13 24 20	848.	848.	81.	89.
13 24 25	848.	848.	81.	92.
13 24 30	848.	848.	79.	91.
13 24 35	848.	848.	82.	91.
13 24 40	848.	848.	74.	94.
13 24 50	848.	848.	79.	93.
13 24 55	848.	848.	81.	93.
13 25 0	848.	848.	80.	93.
13 25 5	848.	848.	84.	89.
13 25 10	848.	848.	83.	89.
13 25 15	848.	848.	80.	95.
13 25 23	848.	848.	81.	93.
13 25 20	848.	848.	82.	91.
13 25 25	848.	848.	82.	93.
13 25 30	848.	848.	83.	92.
13 25 35	848.	848.	83.	88.
13 25 40	848.	848.	79.	90.
13 25 46	848.	848.	81.	92.
13 25 51	848.	848.	80.	93.
13 25 56	848.	848.	82.	89.
13 26 1	848.	848.	83.	84.
13 26 6	848.	848.	82.	88.
13 26 11	848.	848.	84.	91.
13 26 16	848.	848.	83.	91.
13 26 21	848.	848.	79.	92.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
13 26 26	848.	848.	80.	91.
13 26 31	848.	848.	82.	90.
13 26 36	846.	848.	82.	91.
13 26 41	848.	848.	82.	95.
13 26 46	848.	848.	82.	94.
13 49 8	848.	848.	83.	93.
13 49 13	848.	848.	83.	93.
13 49 18	848.	848.	82.	93.
13 49 23	848.	848.	83.	93.
13 49 28	848.	848.	84.	94.
13 49 33	848.	848.	81.	94.
13 49 38	848.	848.	81.	97.
13 49 43	848.	848.	83.	95.
13 49 48	848.	848.	83.	94.
13 49 58	848.	848.	82.	95.
13 50 3	848.	848.	83.	92.
13 50 8	848.	848.	83.	92.
13 50 13	848.	848.	84.	90.
13 50 18	848.	848.	83.	92.
13 50 18	848.	848.	82.	93.
13 50 23	848.	848.	82.	93.
13 50 28	848.	848.	82.	93.
13 50 33	848.	848.	82.	91.
13 50 38	848.	848.	86.	94.
13 50 43	848.	848.	84.	95.
13 50 48	848.	848.	81.	94.
13 50 54	848.	848.	82.	94.
13 50 59	848.	848.	82.	97.
13 51 4	848.	848.	83.	93.
13 51 9	848.	848.	82.	91.
13 51 14	848.	848.	81.	92.
13 51 19	848.	848.	78.	95.
13 51 24	848.	848.	76.	95.
13 51 29	848.	848.	83.	92.
14 3 13	*888888.	848.	83.	92.
14 3 18	LOW	848.	81.	91.
14 3 23	*888888.	848.	83.	91.
14 3 33	848.	848.	84.	93.
14 3 38	848.	848.	87.	95.
14 3 43	848.	848.	86.	91.
14 3 43	848.	848.	85.	92.
14 43 48	848.	848.	82.	93.
14 3 53	848.	848.	83.	93.
14 43 58	848.	848.	84.	91.
14 4 3	848.	848.	84.	98.
14 4 8	846.	848.	82.	99.
14 4 14	848.	848.	83.	98.
14 4 19	846.	848.	82.	97.
14 4 24	848.	848.	82.	97.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 DEGF
17				
14 4 29	846.	848.	84.	98.
14 4 34	848.	848.	83.	92.
14 4 39	848.	848.	85.	94.
14 4 44	848.	848.	85.	94.
14 4 49	846.	848.	83.	97.
14 4 54	848.	848.	84.	97.
14 4 59	848.	848.	81.	99.
14 5 4	848.	848.	82.	97.
14 5 9	848.	848.	88.	98.
14 5 14	848.	848.	86.	99.
14 5 19	848.	848.	85.	98.
14 5 24	848.	848.	85.	98.
14 5 29	848.	848.	84.	97.
14 5 34	848.	848.	82.	100.
14 5 39	848.	843.	82.	96.
14 5 44	848.	848.	83.	98.
14 5 49	848.	848.	84.	100.
14 5 54	848.	848.	83.	102.
14 5 59	848.	848.	82.	101.
14 6 9	848.	848.	82.	102.
14 6 14	848.	848.	84.	103.
14 6 19	848.	848.	82.	105.
14 6 19	848.	848.	82.	105.
14 6 24	848.	848.	82.	106.
14 16 29	848.	848.	88.	105.
14 14 36	*888888.	*888888.	82.	108.
14 14 41	LOW	848.	84.	96.
14 14 46	LOW	848.	83.	94.
14 14 51	LOW	848.	84.	94.
14 15 1	LOW	848.	82.	94.
14 15 6	-75.	848.	82.	94.
14 15 11	-88.	848.	83.	94.
14 15 11	60.	848.	84.	92.
14 15 16	153.	848.	81.	93.
14 15 21	82.	848.	82.	90.
14 15 26	166.	848.	83.	92.
14 15 31	444.	848.	83.	95.
14 15 36	480.	848.	83.	99.
14 15 42	673.	848.	84.	95.
14 15 47	659.	848.	83.	94.
14 15 52	538.	848.	84.	98.
14 17 19	*888888.	848.	85.	92.
14 17 24	LOW	848.	82.	95.
14 17 29	LOW	848.	84.	94.
14 17 34	LOW	848.	81.	96.
14 17 39	LOW	848.	82.	94.
14 17 44	-154.	848.	83.	88.
14 17 54	-43.	848.	83.	92.
14 17 59	260.	848.	82.	95.

TIME H/M/S	AF 45 BULK HEAD FS476 DEGF	AF 46 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
14 18 4	278.	848.	83.	94.
14 18 4	296.	848.	86.	87.
14 18 9	189.	848.	85.	91.
14 18 14	69.	848.	88.	96.
14 18 19	56.	848.	81.	96.
14 32 7	LOW	98.	84.	92.
14 32 13	LOW	392.	91.	95.
14 32 18	LOW	814.	84.	94.
14 32 23	LOW	831.	84.	94.
14 32 28	LOW	848.	85.	93.
14 32 33	LOW	848.	85.	94.
14 32 39	LOW	848.	84.	94.
14 32 44	LOW	848.	84.	94.
14 32 49	LOW	848.	84.	181.
14 32 54	LOW	848.	84.	98.
14 32 59	LOW	848.	84.	94.
14 33 4	LOW	848.	84.	95.
14 33 9	LOW	848.	84.	98.
14 33 14	LOW	848.	81.	93.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 WDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
10 0 42	89.	96.	66.	75.	98.	73.	117.	105.	107.	-45.	88.	73.	102.
10 0 47	97.	100.	71.	77.	95.	73.	104.	106.	103.	-35.	91.	70.	95.
10 0 52	91.	97.	71.	77.	95.	72.	103.	106.	105.	-34.	92.	72.	98.
10 0 57	94.	105.	71.	74.	97.	73.	98.	105.	106.	-70.	91.	70.	102.
10 1 2	87.	98.	71.	75.	96.	73.	107.	106.	106.	-55.	91.	72.	101.
10 1 12	82.	90.	70.	74.	95.	73.	108.	108.	110.	-38.	91.	73.	101.
10 1 17	87.	96.	71.	76.	95.	72.	108.	106.	108.	-37.	91.	73.	101.
10 1 22	84.	90.	68.	76.	97.	71.	111.	106.	108.	-31.	90.	71.	102.
10 1 27	82.	90.	68.	76.	97.	70.	112.	105.	109.	-31.	90.	72.	102.
10 1 32	84.	84.	67.	76.	96.	71.	112.	106.	103.	-4.	88.	63.	97.
10 1 32	85.	89.	68.	75.	95.	70.	108.	105.	104.	-17.	88.	68.	98.
10 1 42	84.	90.	67.	76.	97.	72.	119.	106.	106.	-25.	90.	70.	103.
10 1 42	90.	97.	67.	78.	98.	72.	112.	106.	104.	-25.	89.	71.	103.
10 1 47	81.	91.	68.	78.	95.	71.	114.	103.	108.	-15.	87.	73.	102.
10 1 52	81.	91.	69.	78.	96.	67.	111.	104.	107.	-32.	88.	73.	101.
10 1 57	97.	107.	71.	77.	97.	73.	103.	106.	100.	-52.	91.	69.	101.
10 2 2	97.	106.	69.	78.	97.	68.	107.	106.	103.	-38.	89.	70.	102.
10 2 7	94.	105.	71.	79.	96.	69.	101.	104.	108.	-32.	87.	73.	99.
10 2 13	94.	105.	70.	79.	93.	70.	99.	105.	107.	-29.	89.	71.	100.
10 2 18	95.	101.	53.	80.	95.	70.	108.	104.	99.	-23.	86.	63.	103.
10 2 23	88.	96.	61.	78.	95.	71.	109.	102.	99.	-35.	87.	69.	101.
10 2 28	93.	100.	67.	79.	95.	70.	108.	96.	100.	-31.	87.	73.	103.
10 2 33	91.	98.	67.	79.	95.	70.	116.	98.	108.	-28.	88.	72.	103.
10 2 38	84.	93.	65.	78.	97.	69.	103.	104.	109.	-21.	91.	70.	104.
10 2 43	89.	99.	67.	76.	97.	70.	103.	103.	110.	-27.	91.	71.	103.
10 42 48	91.	101.	70.	77.	95.	73.	112.	104.	102.	-21.	89.	73.	103.
10 2 53	98.	101.	69.	77.	97.	71.	109.	105.	103.	-40.	91.	71.	102.
10 2 58	95.	101.	69.	77.	101.	69.	106.	106.	105.	-23.	93.	69.	102.
10 3 3	91.	96.	70.	77.	99.	70.	108.	105.	105.	-26.	91.	70.	102.
10 43 8	89.	94.	70.	76.	97.	73.	123.	103.	112.	-25.	90.	72.	103.
10 3 13	86.	93.	69.	77.	96.	72.	120.	103.	109.	-22.	90.	73.	104.
10 3 18	94.	102.	70.	75.	95.	72.	108.	104.	106.	-47.	90.	63.	103.
10 3 23	88.	94.	68.	77.	95.	70.	113.	103.	107.	-36.	89.	68.	103.
10 3 28	80.	88.	66.	78.	95.	69.	110.	105.	105.	-27.	88.	73.	105.
10 3 33	79.	86.	67.	77.	96.	69.	113.	105.	105.	-28.	90.	68.	104.
10 3 38	86.	90.	70.	74.	95.	71.	105.	103.	106.	-23.	90.	71.	101.
10 43 48	91.	95.	69.	75.	96.	71.	113.	104.	105.	-35.	91.	70.	102.
10 3 53	94.	97.	65.	78.	97.	67.	110.	100.	107.	-64.	89.	63.	103.
10 3 58	92.	96.	66.	77.	96.	69.	112.	100.	109.	-45.	88.	67.	103.
10 4 3	86.	91.	66.	77.	95.	72.	109.	103.	108.	-24.	90.	72.	103.
10 4 8	88.	93.	67.	78.	95.	72.	116.	104.	108.	-24.	91.	71.	103.
10 4 8	87.	93.	67.	78.	95.	77.	117.	104.	100.	-18.	93.	73.	103.

C_COMMUTATOR

TIME M/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET MYD COOLER UTL	AF 15 TEMP FUEL OUTLET MYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/MENG	AF 20 TEMP OIL OUTLET A/B COOLER L/MENG	SP 3 TEMP MYD OIL OUTLET UTL PUMP	SP 7 TEMP MYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/MENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/MENG	AF 9 TEMP FJEL INLET A/B FJELCT L/MENG	AF 22 TEMP OIL TANK L/MENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/MENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/MENG
13													
8 57 9	636.	120.	115.	115.	118.	117.	117.	848.0	LOW	117.5	117.	118.	116.
8 57 14	700.	120.	117.	116.	118.	116.	116.	782.5	LOW	116.8	117.	118.	119.
8 57 19	704.	120.	118.	116.	117.	117.	117.	704.9	LOW	117.5	117.	118.	117.
8 57 24	694.	120.	118.	115.	117.	117.	117.	705.9	LOW	117.1	117.	118.	118.
8 57 29	663.	121.	118.	116.	117.	120.	116.	673.5	LOW	116.2	117.	117.	117.
8 57 42	656.	121.	119.	116.	113.	119.	116.	682.8	LOW	116.8	117.	117.	117.
8 57 39	698.	120.	117.	116.	117.	117.	118.	679.2	LOW	116.8	117.	117.	118.
8 57 49	693.	120.	118.	116.	113.	117.	117.	685.0	LOW	116.5	117.	118.	118.
8 57 54	644.	120.	119.	117.	118.	116.	115.	694.0	LOW	117.5	117.	119.	118.
8 57 59	640.	123.	119.	118.	117.	117.	117.	696.9	LOW	117.1	117.	118.	118.
8 58 4	634.	121.	118.	116.	118.	117.	116.	668.3	LOW	116.8	117.	118.	119.
8 58 9	651.	120.	118.	116.	118.	117.	117.	669.3	LOW	116.5	117.	118.	118.
8 58 9	636.	121.	120.	117.	118.	117.	117.	681.8	LOW	118.1	117.	117.	117.
8 58 14	661.	118.	120.	117.	118.	116.	118.	681.5	LOW	117.5	117.	118.	117.
8 58 19	706.	120.	119.	116.	117.	116.	116.	694.0	LOW	116.8	117.	119.	116.
8 58 24	688.	120.	119.	116.	118.	117.	116.	695.9	LOW	116.2	117.	119.	116.
8 58 29	716.	121.	119.	116.	118.	117.	121.	678.0	LOW	118.8	117.	119.	117.
8 58 34	691.	120.	118.	116.	118.	116.	120.	679.6	LOW	117.5	117.	118.	117.
8 58 40	650.	120.	119.	116.	110.	117.	117.	681.2	LOW	116.2	117.	118.	117.
8 58 45	749.	120.	118.	116.	114.	116.	117.	679.2	LOW	116.8	117.	118.	118.
8 58 50	657.	119.	119.	116.	117.	116.	115.	688.2	LOW	116.2	117.	118.	118.
8 58 55	675.	120.	119.	116.	117.	117.	116.	697.5	LOW	113.6	117.	118.	118.
8 59 0	693.	121.	121.	116.	117.	117.	117.	685.7	LOW	116.2	117.	119.	118.
8 59 5	671.	120.	118.	116.	117.	117.	117.	683.4	LOW	117.1	117.	118.	118.
8 59 10	664.	120.	119.	115.	117.	117.	117.	679.2	LOW	116.2	117.	118.	118.
8 59 15	673.	119.	118.	116.	117.	117.	117.	672.5	LOW	116.5	117.	118.	117.
8 59 20	684.	119.	119.	116.	118.	118.	118.	681.8	LOW	116.2	117.	118.	117.
9 10 18	766.	120.	119.	117.	119.	119.	118.	678.0	LOW	118.4	117.	118.	118.
9 10 23	848.	116.	118.	116.	118.	119.	117.	698.5	LOW	116.2	119.	119.	119.
9 10 28	797.	118.	118.	115.	117.	119.	117.	696.9	LOW	117.1	117.	119.	118.
9 10 33	827.	120.	120.	116.	117.	120.	117.	671.5	LOW	116.8	117.	118.	119.
9 10 38	780.	120.	120.	116.	117.	119.	116.	660.6	LOW	117.5	116.	117.	118.
9 10 43	786.	118.	119.	116.	116.	117.	119.	647.2	LOW	118.1	117.	118.	118.
9 10 53	781.	119.	120.	116.	117.	116.	118.	666.4	LOW	117.1	117.	118.	117.
9 10 58	744.	121.	119.	116.	116.	118.	118.	620.4	LOW	119.4	116.	118.	119.
9 11 3	768.	121.	119.	116.	115.	117.	117.	637.0	LOW	118.4	116.	118.	118.
9 11 3	768.	121.	118.	116.	116.	119.	117.	661.9	LOW	116.8	117.	118.	117.
9 51 8	788.	121.	119.	116.	118.	118.	115.	627.1	LOW	117.1	118.	119.	117.
9 11 13	791.	121.	119.	117.	118.	117.	116.	648.5	LOW	117.5	116.	118.	117.
9 11 23	771.	121.	119.	116.	118.	119.	116.	641.1	LOW	117.5	117.	118.	117.
9 11 28	820.	121.	120.	116.	118.	118.	117.	614.8	LOW	119.4	117.	118.	118.
9 11 28	834.	121.	120.	116.	119.	118.	117.	606.1	LOW	118.8	119.	118.	118.
9 11 33	848.	121.	117.	118.	118.	117.	117.	596.2	LOW	118.8	117.	118.	118.
9 11 38	848.	121.	116.	117.	118.	116.	117.	594.3	LOW	118.1	117.	118.	118.
9 11 43	848.	120.	118.	116.	115.	117.	117.	546.5	LOW	117.5	117.	117.	117.

TIME H/M/S	EC 91 MAINT CON JT	AF 15 TEMP FUEL INLET HYD COOLER JTL	AF 15 TEMP FUEL OUTLET HYD COOLER JTL	AF 19 TEMP OIL OUTLET FUELOIL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OIL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OIL COOLER L/HENG
13													
9 51 48	848.	120.	119.	116.	115.	116.	117.	603.9	LOW	117.1	117.	117.	116.
9 11 53	845.	118.	119.	116.	118.	117.	117.	606.4	LOW	117.5	117.	116.	123.
9 51 58	846.	119.	119.	116.	118.	118.	118.	627.7	LOW	116.8	117.	117.	121.
9 12 4	848.	121.	119.	117.	117.	117.	117.	620.4	LOW	117.5	111.	118.	117.
9 12 9	842.	121.	118.	115.	117.	117.	120.	623.6	LOW	117.5	114.	116.	116.
9 12 14	842.	119.	123.	116.	118.	117.	120.	626.8	LOW	117.5	117.	118.	118.
9 12 19	844.	119.	121.	117.	118.	119.	118.	613.7	LOW	117.5	118.	119.	116.
9 12 24	848.	121.	116.	116.	117.	116.	118.	616.0	LOW	116.2	117.	117.	117.
9 12 29	848.	121.	117.	116.	118.	116.	117.	626.8	LOW	116.8	117.	117.	117.
9 12 34	848.	119.	118.	117.	118.	117.	118.	659.3	LOW	116.2	120.	118.	117.
9 12 39	848.	118.	119.	117.	118.	119.	119.	623.3	LOW	115.9	118.	118.	117.
9 12 44	848.	121.	117.	117.	115.	121.	122.	620.4	LOW	123.3	117.	118.	118.
9 12 49	848.	120.	120.	116.	115.	122.	121.	663.6	LOW	120.7	117.	119.	117.
9 12 54	848.	119.	118.	116.	116.	123.	123.	778.7	LOW	119.4	117.	118.	118.
9 12 59	848.	120.	118.	116.	116.	119.	123.	780.0	LOW	120.1	117.	118.	117.
9 13 4	848.	120.	120.	117.	116.	125.	124.	848.0	LOW	116.8	116.	118.	119.
9 13 9	848.	120.	120.	117.	115.	127.	124.	848.0	LOW	118.4	116.	118.	119.
9 13 14	848.	121.	121.	117.	119.	132.	127.	848.0	LOW	120.1	116.	119.	121.
9 13 19	848.	121.	120.	117.	118.	133.	127.	848.0	LOW	120.1	116.	119.	121.
9 13 29	848.	121.	120.	120.	121.	137.	128.	848.0	LOW	120.7	119.	121.	116.
9 13 34	848.	121.	121.	120.	119.	138.	128.	848.0	LOW	121.0	119.	115.	119.
9 13 39	848.	123.	123.	121.	122.	141.	130.	848.0	LOW	122.6	119.	123.	121.
9 13 39	848.	121.	122.	123.	122.	143.	132.	848.0	LOW	122.6	120.	122.	122.
9 13 44	848.	122.	120.	126.	127.	147.	132.	848.0	LOW	118.1	123.	126.	127.
9 13 49	848.	122.	120.	126.	127.	147.	135.	839.0	LOW	120.7	125.	127.	123.
9 13 59	848.	121.	121.	127.	130.	141.	137.	821.0	LOW	120.7	127.	130.	128.
9 14 12	848.	121.	122.	127.	129.	145.	138.	798.9	LOW	123.0	129.	132.	129.
9 14 9	848.	123.	121.	129.	136.	149.	140.	819.1	LOW	123.3	132.	136.	133.
9 14 9	848.	123.	122.	129.	136.	149.	141.	817.8	LOW	124.6	133.	137.	132.
9 14 14	848.	123.	123.	128.	137.	150.	143.	801.2	LOW	125.2	136.	141.	134.
9 14 19	848.	123.	122.	131.	139.	150.	144.	788.3	LOW	125.6	137.	141.	135.
9 14 24	848.	122.	121.	135.	133.	148.	136.	848.0	LOW	124.6	139.	143.	139.
9 14 29	848.	123.	123.	137.	140.	150.	141.	838.4	LOW	125.2	140.	145.	140.
9 14 34	848.	122.	123.	139.	143.	150.	147.	839.7	LOW	127.2	145.	149.	145.
9 14 40	848.	121.	122.	140.	144.	150.	147.	843.8	LOW	129.1	145.	151.	146.
9 14 45	848.	121.	122.	143.	149.	151.	147.	848.0	LOW	126.5	147.	152.	149.
9 14 50	848.	121.	123.	143.	149.	151.	148.	843.8	LOW	127.8	148.	153.	148.
9 14 55	848.	123.	121.	145.	152.	154.	148.	840.9	LOW	125.9	152.	158.	152.
9 15 0	848.	120.	121.	146.	153.	154.	149.	844.5	LOW	127.8	153.	159.	154.
9 15 5	848.	121.	123.	148.	156.	154.	154.	848.0	LOW	127.2	154.	160.	152.
9 15 10	848.	121.	122.	149.	155.	154.	151.	848.0	LOW	128.1	156.	161.	151.
9 15 15	808.	123.	123.	151.	157.	156.	151.	844.8	LOW	130.4	160.	164.	156.
9 15 20	828.	122.	124.	152.	151.	155.	150.	844.1	LOW	131.7	160.	166.	157.
9 15 25	848.	123.	123.	154.	164.	153.	152.	843.0	LOW	131.1	163.	167.	163.
9 15 30	848.	122.	123.	155.	164.	154.	152.	839.0	LOW	132.0	163.	168.	165.
9 15 35	848.	122.	123.	156.	166.	157.	152.	848.0	LOW	131.7	165.	171.	165.
9 15 40	848.	121.	123.	158.	168.	157.	152.	839.0	LOW	132.4	166.	171.	166.
9 15 45	848.	120.	122.	155.	172.	161.	156.	842.2	LOW	134.3	173.	176.	170.
9 15 50	848.	123.	124.	158.	164.	157.	154.	845.1	LOW	132.0	171.	176.	170.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOIL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 5 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OIL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OIL COOLER L/HENG
13													
9 15 55	848.	127.	130.	158.	169.	150.	151.	848.8	LOW	126.5	171.	174.	165.
9 16 5	848.	123.	125.	159.	168.	154.	153.	832.8	LOW	134.6	174.	180.	172.
9 16 10	848.	117.	117.	158.	177.	158.	153.	830.8	LOW	142.1	180.	185.	180.
9 16 10	848.	116.	118.	159.	178.	157.	155.	813.3	LOW	140.8	181.	186.	179.
9 16 15	848.	120.	117.	163.	174.	149.	152.	788.3	LOW	138.2	180.	185.	176.
9 16 20	848.	120.	119.	163.	179.	153.	157.	761.7	LOW	138.5	182.	188.	178.
9 16 25	848.	116.	125.	170.	167.	152.	147.	719.7	LOW	132.4	178.	183.	177.
9 16 35	848.	117.	122.	170.	174.	153.	147.	735.4	LOW	136.6	182.	187.	177.
9 16 40	848.	123.	121.	171.	176.	152.	149.	617.9	LOW	137.5	178.	191.	182.
9 16 45	848.	125.	122.	169.	180.	154.	151.	608.6	LOW	134.6	183.	193.	182.
9 16 45	848.	119.	123.	164.	188.	160.	154.	617.9	LOW	140.8	196.	200.	189.
9 16 50	848.	118.	122.	164.	191.	160.	152.	607.7	LOW	142.4	199.	201.	193.
9 16 55	848.	125.	123.	177.	182.	147.	147.	635.7	LOW	136.9	194.	198.	186.
9 17 0	848.	125.	125.	174.	186.	153.	149.	649.8	LOW	135.9	196.	202.	183.
9 17 5	848.	123.	122.	183.	187.	152.	149.	614.7	LOW	141.4	200.	206.	196.
9 17 10	848.	121.	120.	173.	191.	156.	152.	602.9	LOW	145.3	202.	209.	201.
9 17 16	848.	127.	126.	183.	191.	155.	147.	603.2	LOW	135.6	199.	203.	199.
9 17 21	848.	126.	127.	185.	192.	153.	148.	629.8	LOW	134.8	200.	205.	199.
9 17 26	848.	123.	121.	194.	188.	154.	151.	625.5	LOW	142.1	207.	215.	203.
9 17 31	848.	120.	122.	189.	196.	158.	153.	641.5	LOW	141.7	211.	217.	207.
9 17 36	848.	121.	121.	193.	194.	157.	150.	595.6	LOW	149.2	211.	209.	214.
9 17 41	848.	122.	122.	197.	194.	155.	148.	615.6	LOW	145.8	211.	211.	212.
9 17 46	848.	121.	124.	201.	188.	149.	149.	635.1	LOW	136.9	209.	217.	209.
9 17 51	848.	124.	126.	202.	192.	152.	149.	636.3	LOW	136.9	209.	219.	211.
9 17 56	848.	116.	127.	208.	196.	152.	136.	659.3	LOW	135.6	216.	216.	214.
9 18 1	848.	116.	123.	203.	199.	157.	146.	636.7	LOW	142.4	219.	223.	218.
9 18 6	848.	123.	121.	210.	198.	156.	150.	602.6	LOW	144.8	217.	224.	216.
9 18 11	848.	125.	124.	206.	201.	157.	153.	619.8	LOW	141.7	218.	225.	217.
9 18 16	848.	125.	123.	207.	197.	156.	148.	639.5	LOW	144.6	220.	225.	221.
9 18 21	848.	121.	122.	204.	202.	161.	151.	641.4	LOW	148.9	225.	222.	226.
9 18 26	848.	121.	126.	210.	200.	158.	146.	663.8	LOW	144.0	223.	227.	223.
9 18 31	848.	123.	127.	210.	203.	156.	148.	664.5	LOW	148.8	222.	226.	221.
9 18 41	848.	123.	122.	211.	204.	154.	151.	633.2	LOW	147.9	225.	231.	226.
9 18 41	848.	125.	120.	207.	205.	159.	153.	647.5	LOW	150.5	230.	235.	230.
9 18 46	848.	121.	117.	208.	213.	166.	158.	606.9	LOW	154.4	237.	240.	233.
9 18 51	848.	124.	123.	212.	210.	160.	155.	651.5	LOW	146.6	231.	236.	230.
9 18 56	807.	129.	127.	216.	208.	156.	152.	631.9	LOW	136.2	221.	233.	225.
9 19 1	746.	128.	127.	215.	210.	157.	152.	661.7	LOW	138.5	224.	232.	227.
9 19 11	787.	127.	130.	216.	213.	152.	151.	675.4	LOW	136.8	228.	233.	227.
9 19 16	777.	126.	128.	213.	216.	157.	154.	680.5	LOW	141.1	231.	237.	229.
9 19 21	725.	121.	119.	217.	214.	161.	152.	650.4	LOW	153.7	233.	243.	239.
9 19 26	780.	123.	121.	219.	206.	158.	151.	664.2	LOW	149.5	231.	241.	235.
9 19 26	694.	125.	123.	217.	205.	160.	152.	674.1	LOW	150.5	232.	242.	238.
9 19 31	788.	121.	122.	218.	210.	161.	152.	674.1	LOW	153.4	234.	243.	239.
9 19 36	733.	117.	119.	214.	217.	163.	152.	653.6	LOW	155.0	241.	248.	242.
9 19 41	735.	122.	124.	217.	218.	161.	152.	683.1	LOW	149.5	238.	244.	239.
9 19 46	699.	120.	123.	209.	227.	166.	160.	667.7	LOW	151.1	246.	249.	242.
9 19 59	708.	120.	122.	211.	226.	167.	161.	606.1	LOW	151.8	244.	251.	241.
9 19 57	670.	119.	121.	221.	218.	164.	154.	699.1	LOW	157.6	244.	249.	249.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
9 20 2	633.	121.	123.	224.	217.	162.	148.	711.6	LOW	153.4	242.	247.	244.
9 20 7	690.	119.	122.	215.	224.	170.	157.	661.9	LOW	160.2	248.	253.	253.
9 20 12	703.	123.	125.	221.	222.	165.	156.	693.8	LOW	151.4	244.	249.	246.
9 20 17	642.	118.	117.	223.	223.	165.	156.	687.6	LOW	157.6	248.	254.	246.
9 20 22	561.	123.	122.	223.	222.	164.	157.	719.3	LOW	151.1	246.	252.	245.
9 20 27	576.	128.	126.	220.	219.	170.	154.	765.9	LOW	145.6	244.	248.	242.
9 20 32	268.	127.	127.	222.	222.	163.	155.	761.1	LOW	145.8	244.	253.	242.
9 20 37	-95.	125.	124.	224.	226.	164.	150.	709.4	LOW	151.1	246.	255.	249.
9 20 42	*737856.	122.	122.	226.	226.	164.	157.	719.3	LOW	155.6	249.	255.	251.
9 20 47	-125.	128.	126.	231.	223.	162.	155.	776.1	LOW	143.4	244.	252.	242.
9 20 52	-118.	124.	124.	229.	224.	162.	151.	759.1	LOW	147.9	247.	253.	247.
9 20 57	-145.	127.	124.	230.	227.	165.	158.	771.0	LOW	151.1	246.	257.	244.
9 21 2	*737856.	127.	126.	232.	225.	162.	154.	806.3	LOW	148.9	245.	256.	244.
9 21 7	LOW	125.	126.	224.	237.	169.	159.	803.7	LOW	153.1	251.	258.	251.
9 21 17	LOW	125.	127.	228.	233.	167.	157.	811.4	LOW	150.8	252.	256.	250.
9 21 17	LOW	118.	121.	228.	236.	170.	164.	810.8	LOW	155.0	264.	263.	256.
9 21 22	LOW	121.	120.	230.	233.	166.	160.	779.7	LOW	156.9	259.	261.	255.
9 21 27	LOW	127.	128.	232.	231.	163.	152.	840.3	LOW	147.2	249.	253.	249.
9 21 32	LOW	126.	126.	233.	230.	162.	152.	795.7	LOW	150.8	251.	256.	250.
9 21 37	LOW	117.	121.	230.	236.	170.	158.	755.6	LOW	1o4.1	263.	265.	260.
9 61 47	LOW	118.	122.	232.	233.	167.	155.	755.9	LOW	161.8	259.	262.	258.
9 21 52	LOW	121.	123.	242.	235.	162.	156.	785.8	LOW	157.6	257.	262.	255.
9 21 57	*737856.	124.	126.	243.	236.	160.	150.	806.3	LOW	152.4	255.	260.	253.
9 22 2	LOW	121.	125.	236.	245.	170.	161.	826.2	LOW	157.6	260.	266.	260.
9 22 2	*000000.	121.	121.	233.	245.	170.	162.	819.4	LOW	158.2	260.	260.	262.
9 22 7	-47.	119.	120.	240.	244.	167.	163.	818.5	LOW	162.8	264.	268.	260.
9 22 12	11.	118.	120.	239.	244.	169.	151.	820.4	LOW	161.1	2o4.	2o8.	263.
9 22 17	63.	122.	123.	230.	247.	172.	164.	805.6	LOW	159.5	261.	270.	2o4.
9 22 22	49.	122.	124.	235.	249.	171.	165.	814.6	LOW	160.5	263.	271.	266.
9 22 35	-119.	117.	123.	238.	249.	172.	163.	817.8	LOW	160.2	266.	269.	268.
9 22 33	-39.	119.	121.	239.	249.	172.	161.	812.4	LOW	162.4	264.	270.	264.
9 22 38	37.	123.	125.	251.	240.	160.	153.	830.0	LOW	156.3	258.	2o8.	259.
9 22 43	19.	126.	127.	251.	241.	162.	154.	837.7	LOW	151.4	257.	260.	259.
9 62 48	-30.	121.	119.	244.	233.	167.	150.	789.6	LOW	168.6	264.	270.	2o5.
9 22 53	-37.	118.	121.	242.	245.	168.	162.	804.7	LOW	1o5.0	264.	271.	265.
9 22 58	-67.	124.	124.	244.	256.	170.	165.	828.1	LOW	159.5	265.	270.	263.
9 23 3	-77.	126.	126.	246.	252.	168.	163.	826.5	LOW	157.o	2o3.	269.	263.
9 63 8	-107.	128.	128.	250.	246.	165.	160.	821.7	LOW	153.1	268.	268.	261.
9 23 13	-111.	127.	126.	251.	245.	165.	158.	816.6	LOW	157.3	261.	269.	2o3.
9 23 18	-141.	123.	125.	245.	252.	167.	162.	837.1	LOW	156.9	2o6.	275.	265.
9 23 23	-77.	119.	124.	246.	249.	166.	159.	835.8	LOW	159.9	263.	272.	264.
9 23 28	-91.	116.	121.	246.	249.	170.	159.	819.8	LOW	167.9	268.	273.	270.
9 23 33	-113.	117.	120.	246.	250.	169.	158.	814.6	LOW	166.6	269.	273.	268.
9 23 38	-112.	117.	124.	249.	252.	168.	158.	818.5	LOW	166.6	273.	271.	268.
9 23 43	*737856.	119.	124.	250.	250.	167.	157.	815.0	LOW	1o4.1	269.	271.	268.
9 63 48	LOW	124.	127.	254.	249.	167.	160.	828.1	LOW	151.8	266.	272.	263.
9 23 53	LOW	121.	125.	248.	253.	169.	160.	807.9	LOW	160.5	270.	274.	266.
9 23 58	LOW	121.	123.	254.	251.	165.	156.	797.3	LOW	1o8.2	266.	272.	268.
9 24 3	*737856.	123.	122.	254.	254.	167.	159.	800.2	LOW	158.2	268.	273.	267.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 15 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD 01. OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 23 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
9 24 8	-80.	124.	120.	251.	251.	166.	157.	787.0	LOW	164.7	278.	274.	266.
9 24 13	-62.	122.	118.	248.	252.	169.	164.	779.0	LOW	167.6	271.	275.	278.
9 24 23	-57.	125.	124.	254.	246.	162.	156.	755.6	LOW	164.7	266.	273.	278.
9 24 23	-16.	124.	123.	264.	249.	166.	156.	747.3	LOW	167.6	269.	275.	272.
9 28 16	443.	129.	128.	266.	257.	165.	159.	763.3	LOW	165.4	274.	280.	274.
9 28 21	304.	127.	127.	268.	263.	169.	155.	758.5	LOW	166.6	275.	279.	274.
9 28 34	147.	121.	120.	258.	260.	167.	156.	738.6	LOW	177.6	279.	282.	281.
9 28 31	116.	124.	121.	260.	260.	167.	159.	726.1	LOW	174.1	276.	280.	277.
9 28 36	138.	127.	126.	270.	261.	164.	152.	749.8	LOW	164.7	275.	276.	274.
9 28 41	112.	126.	127.	269.	266.	167.	156.	748.9	LOW	167.3	277.	279.	275.
9 28 46	37.	132.	129.	273.	263.	163.	155.	733.8	LOW	162.3	271.	278.	269.
9 28 56	36.	125.	124.	268.	264.	166.	159.	714.5	LOW	170.2	275.	281.	273.
9 29 1	19.	119.	121.	253.	257.	173.	150.	714.5	LOW	179.5	284.	282.	281.
9 29 6	-5.	119.	120.	260.	265.	171.	160.	706.8	LOW	178.9	285.	284.	281.
9 29 11	-2.	121.	121.	266.	270.	167.	163.	728.0	LOW	172.5	280.	286.	278.
9 29 16	-21.	121.	123.	266.	272.	170.	153.	735.4	LOW	173.4	288.	285.	279.
9 29 16	LOW	128.	132.	270.	265.	159.	155.	770.4	LOW	166.8	277.	276.	273.
9 29 21	LOW	123.	126.	266.	268.	170.	158.	742.8	LOW	178.9	288.	281.	277.
9 29 26	LOW	126.	128.	269.	268.	172.	161.	770.4	LOW	169.9	280.	281.	276.
9 29 31	*737856.	123.	126.	266.	271.	172.	161.	748.9	LOW	172.8	282.	283.	278.
9 29 36	LOW	121.	127.	265.	273.	173.	165.	739.6	LOW	176.4	287.	285.	281.
9 29 41	*737856.	120.	124.	266.	258.	171.	161.	734.4	LOW	178.9	284.	284.	279.
9 29 47	LOW	124.	122.	262.	263.	168.	155.	730.6	LOW	177.6	278.	281.	278.
9 29 52	LOW	123.	122.	264.	268.	171.	159.	728.6	LOW	176.4	281.	283.	277.
9 29 65	LOW	120.	122.	268.	263.	169.	155.	730.6	LOW	177.0	281.	281.	276.
9 30 2	LOW	121.	122.	265.	268.	173.	160.	718.1	LOW	177.3	282.	285.	278.
9 30 7	-133.	119.	116.	263.	265.	169.	160.	683.7	LOW	180.2	283.	288.	279.
9 30 12	*737856.	117.	115.	261.	268.	178.	160.	649.8	LOW	181.9	284.	286.	281.
9 30 17	LOW	132.	131.	272.	264.	167.	157.	735.1	LOW	164.7	275.	279.	275.
9 30 22	LOW	127.	127.	268.	258.	171.	159.	725.1	LOW	170.9	279.	281.	279.
9 30 27	LOW	130.	128.	275.	261.	163.	154.	722.2	LOW	167.3	273.	278.	278.
9 30 32	LOW	128.	126.	271.	261.	167.	154.	710.7	LOW	170.9	275.	280.	273.
9 30 37	LOW	128.	126.	274.	261.	163.	153.	729.3	LOW	167.3	277.	278.	273.
9 30 42	LOW	125.	124.	268.	264.	168.	155.	707.0	LOW	174.7	279.	277.	276.
9 30 47	LOW	123.	124.	263.	264.	177.	154.	693.4	LOW	178.3	278.	283.	279.
9 30 52	LOW	121.	123.	264.	268.	185.	158.	702.3	LOW	178.6	283.	285.	282.
9 30 57	LOW	128.	127.	267.	261.	139.	158.	740.8	LOW	173.1	276.	279.	273.
9 31 2	LOW	130.	127.	269.	261.	169.	159.	738.3	LOW	172.5	276.	279.	274.
9 31 7	LOW	124.	125.	271.	265.	172.	151.	729.3	LOW	171.8	279.	280.	278.
9 31 12	LOW	124.	124.	268.	263.	172.	162.	729.6	LOW	175.7	279.	282.	278.
9 31 17	LOW	127.	125.	267.	262.	172.	163.	722.9	LOW	175.1	278.	281.	276.
9 31 22	LOW	127.	129.	268.	264.	171.	161.	745.8	LOW	172.1	279.	280.	278.
9 71 32	LOW	123.	127.	265.	272.	180.	165.	722.2	LOW	171.8	283.	283.	278.
9 31 37	LOW	127.	127.	271.	268.	175.	153.	734.1	LOW	169.2	278.	281.	276.
9 31 42	LOW	116.	123.	271.	270.	180.	167.	721.6	LOW	177.0	288.	289.	281.
9 31 47	LOW	122.	126.	274.	258.	175.	167.	738.3	LOW	172.5	278.	284.	278.
9 31 52	LOW	127.	123.	272.	263.	171.	167.	728.9	LOW	175.1	280.	281.	275.
9 31 57	LOW	126.	124.	270.	263.	172.	155.	719.1	LOW	177.0	289.	281.	277.
9 31 57	LOW	117.	121.	262.	275.	180.	172.	717.1	LOW	184.1	288.	286.	284.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 15 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FJELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
19													
9 32 2	LOW	120.	120.	264.	271.	176.	173.	712.8	LOW	183.8	286.	287.	284.
9 32 7	LOW	121.	125.	267.	275.	180.	175.	733.1	LOW	178.9	286.	285.	281.
9 32 12	LOW	124.	126.	267.	273.	179.	176.	724.8	LOW	178.3	284.	285.	281.
9 32 17	LOW	125.	128.	271.	274.	178.	172.	751.7	LOW	173.1	283.	285.	287.
9 32 22	LOW	123.	125.	271.	275.	179.	174.	739.6	LOW	176.0	285.	286.	284.
9 32 28	LOW	127.	127.	270.	271.	178.	176.	715.2	LOW	177.0	282.	286.	281.
9 32 33	LOW	127.	127.	272.	268.	174.	170.	723.5	LOW	173.4	279.	284.	279.
9 32 38	LOW	123.	128.	270.	277.	177.	172.	737.6	LOW	175.1	284.	291.	284.
9 32 43	LOW	126.	129.	273.	272.	172.	169.	746.8	LOW	171.2	281.	286.	278.
9 72 48	LOW	130.	127.	274.	283.	169.	167.	720.9	LOW	173.1	278.	281.	278.
9 32 53	LOW	128.	123.	271.	268.	173.	171.	713.6	LOW	177.6	280.	285.	280.
9 32 58	LOW	124.	123.	268.	275.	180.	174.	707.5	LOW	178.9	288.	288.	286.
9 33 3	*737856.	124.	124.	268.	276.	180.	175.	709.7	LOW	178.3	287.	288.	285.
9 73 8	LOW	122.	121.	265.	275.	180.	176.	702.3	LOW	182.2	282.	291.	285.
9 33 13	LOW	126.	126.	272.	271.	176.	170.	720.3	LOW	177.3	280.	285.	281.
9 33 18	LOW	123.	119.	270.	266.	174.	168.	715.2	LOW	178.3	282.	285.	280.
9 33 23	LOW	121.	120.	269.	267.	175.	168.	713.2	LOW	181.2	281.	286.	282.
9 33 28	LOW	130.	132.	277.	271.	170.	172.	747.9	LOW	174.4	281.	283.	273.
9 33 33	LOW	129.	130.	274.	272.	173.	174.	734.1	LOW	175.7	283.	285.	278.
9 33 38	LOW	125.	123.	268.	275.	178.	172.	707.5	LOW	180.9	285.	289.	280.
9 33 43	LOW	123.	123.	266.	275.	178.	174.	706.8	LOW	180.9	285.	291.	282.
9 73 48	LOW	121.	120.	264.	271.	181.	173.	663.2	LOW	186.1	282.	291.	286.
9 33 53	LOW	125.	123.	268.	267.	176.	170.	678.9	LOW	182.8	281.	288.	286.
9 33 58	LOW	127.	132.	273.	274.	178.	171.	729.9	LOW	173.1	281.	285.	278.
9 34 8	LOW	123.	127.	269.	275.	179.	172.	701.7	LOW	179.3	285.	288.	279.
9 34 13	-150.	131.	134.	278.	270.	169.	169.	729.9	LOW	169.9	279.	282.	275.
9 34 18	*737856.	128.	128.	274.	268.	172.	169.	709.1	LOW	175.4	281.	283.	277.
9 34 23	-155.	127.	124.	269.	265.	172.	169.	683.1	LOW	184.8	283.	286.	285.
9 34 28	*737856.	123.	123.	269.	268.	173.	170.	683.1	LOW	184.4	285.	286.	284.
9 34 33	LOW	117.	121.	274.	275.	177.	173.	673.5	LOW	189.9	290.	289.	286.
9 34 33	LOW	119.	121.	269.	273.	177.	168.	672.2	LOW	189.3	289.	289.	287.
9 34 38	LOW	130.	132.	278.	273.	172.	163.	712.6	LOW	169.9	283.	285.	278.
9 34 43	*737856.	129.	130.	278.	273.	172.	164.	719.8	LOW	170.2	284.	286.	279.
9 34 48	-141.	119.	120.	268.	275.	176.	168.	686.9	LOW	185.4	298.	294.	286.
9 34 53	-71.	121.	120.	270.	270.	174.	166.	682.1	LOW	186.7	288.	292.	286.
9 34 58	LOW	129.	128.	271.	275.	175.	159.	691.4	LOW	173.8	281.	287.	281.
9 35 4	LOW	127.	126.	275.	273.	174.	163.	700.4	LOW	176.8	283.	287.	281.
9 35 9	LOW	130.	135.	273.	276.	176.	162.	749.8	LOW	169.9	283.	285.	283.
9 35 14	LOW	124.	127.	269.	273.	177.	163.	707.8	LOW	181.9	285.	288.	286.
9 35 19	LOW	120.	120.	271.	272.	175.	163.	667.7	LOW	194.5	287.	292.	286.
9 35 24	LOW	125.	124.	270.	266.	171.	158.	695.6	LOW	184.8	282.	289.	283.
9 35 29	LOW	117.	120.	263.	279.	183.	158.	675.4	LOW	188.8	294.	297.	291.
9 35 34	LOW	121.	122.	271.	273.	176.	163.	677.3	LOW	186.4	288.	291.	287.
9 35 39	LOW	123.	122.	268.	265.	177.	155.	694.6	LOW	188.6	286.	288.	287.
9 35 44	LOW	124.	121.	272.	266.	179.	166.	692.4	LOW	188.3	286.	289.	287.
9 35 49	LOW	134.	135.	285.	267.	178.	176.	740.2	LOW	166.6	276.	280.	275.
9 35 54	LOW	135.	135.	286.	267.	179.	174.	737.9	LOW	166.3	276.	280.	275.
9 35 59	LOW	125.	131.	276.	273.	189.	184.	715.8	LOW	177.0	287.	290.	290.
9 36 4	LOW	122.	125.	271.	277.	188.	185.	691.1	LOW	185.4	290.	293.	291.

TIME H/M/S	EC 91 MAINT CON JT	AF 15 TEMP FUEL INLET HYD COOLER JTL	AF 15 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
9 36 9	LOW	136.	137.	285.	273.	177.	174.	731.9	LOW	168.6	279.	282.	281.
9 36 14	LOW	136.	137.	285.	267.	174.	170.	735.3	LOW	168.3	278.	281.	277.
9 36 19	LOW	128.	132.	283.	278.	180.	174.	708.1	LOW	169.2	286.	288.	283.
9 36 24	LOW	121.	125.	277.	276.	181.	171.	697.8	LOW	181.2	288.	290.	287.
9 36 29	LOW	120.	123.	262.	286.	188.	173.	679.2	LOW	184.8	294.	293.	291.
9 36 34	LOW	128.	129.	272.	277.	181.	158.	700.1	LOW	174.4	289.	288.	286.
9 36 44	LOW	139.	134.	274.	278.	174.	167.	720.9	LOW	164.1	283.	283.	272.
9 36 49	LOW	137.	134.	279.	278.	174.	153.	730.2	LOW	166.6	280.	281.	274.
9 36 54	LOW	133.	124.	281.	268.	170.	161.	688.9	LOW	180.9	284.	286.	281.
9 36 59	LOW	123.	121.	276.	273.	176.	155.	680.2	LOW	186.1	290.	291.	288.
9 37 4	LOW	116.	121.	278.	267.	173.	161.	678.3	LOW	186.7	285.	288.	288.
9 37 9	LOW	116.	119.	273.	272.	177.	165.	658.7	LOW	189.8	289.	284.	290.
9 37 9	LOW	127.	128.	273.	279.	178.	159.	704.3	LOW	178.9	288.	288.	285.
9 37 14	LOW	127.	129.	273.	282.	179.	158.	704.9	LOW	175.4	288.	289.	284.
9 37 19	LOW	125.	130.	272.	277.	180.	157.	694.6	LOW	177.0	288.	290.	285.
9 37 24	LOW	126.	128.	276.	271.	175.	162.	690.1	LOW	178.9	286.	288.	284.
9 37 29	LOW	124.	123.	283.	267.	174.	159.	676.8	LOW	182.2	288.	288.	283.
9 77 34	LOW	122.	120.	275.	272.	177.	152.	667.7	LOW	189.9	290.	292.	289.
9 37 40	LOW	118.	118.	279.	275.	178.	165.	654.9	LOW	198.4	291.	298.	291.
9 37 45	LOW	118.	118.	277.	274.	176.	163.	663.5	LOW	193.5	285.	294.	289.
9 37 50	LOW	134.	125.	276.	265.	175.	165.	675.4	LOW	188.2	285.	289.	281.
9 37 55	LOW	125.	121.	271.	272.	182.	173.	659.7	LOW	186.7	290.	294.	287.
9 38 0	LOW	134.	134.	288.	269.	178.	177.	710.0	LOW	167.9	281.	280.	273.
9 38 5	LOW	127.	138.	279.	277.	187.	184.	686.3	LOW	175.4	288.	287.	281.
9 38 10	LOW	123.	123.	280.	270.	176.	178.	670.9	LOW	183.5	289.	288.	288.
9 38 15	LOW	126.	122.	282.	265.	178.	172.	658.4	LOW	184.4	288.	290.	287.
9 38 20	LOW	131.	135.	280.	275.	190.	185.	681.2	LOW	169.9	286.	288.	281.
9 38 25	LOW	129.	135.	283.	277.	193.	185.	684.7	LOW	169.9	287.	289.	282.
9 38 30	LOW	134.	132.	283.	281.	189.	179.	699.8	LOW	172.5	278.	280.	280.
9 38 35	LOW	129.	127.	280.	265.	191.	192.	682.8	LOW	178.3	283.	285.	285.
9 38 40	LOW	130.	136.	282.	268.	179.	186.	703.8	LOW	167.9	281.	284.	279.
9 38 45	LOW	130.	133.	282.	264.	178.	194.	672.8	LOW	173.8	282.	286.	281.
9 38 50	LOW	116.	119.	266.	280.	191.	185.	640.8	LOW	198.6	297.	299.	297.
9 38 55	LOW	118.	121.	264.	282.	192.	186.	635.1	LOW	187.0	295.	300.	294.
9 39 0	LOW	128.	128.	284.	267.	188.	165.	665.1	LOW	177.8	286.	289.	285.
9 39 5	LOW	132.	130.	284.	267.	178.	156.	668.3	LOW	172.5	282.	280.	281.
9 39 10	LOW	113.	111.	273.	281.	189.	179.	625.5	LOW	192.5	294.	299.	293.
9 39 20	LOW	117.	117.	269.	282.	189.	180.	638.6	LOW	187.7	294.	293.	291.
9 39 20	LOW	118.	119.	283.	271.	182.	172.	641.4	LOW	190.6	294.	294.	292.
9 47 6	LOW	119.	118.	283.	278.	181.	158.	538.4	LOW	189.6	300.	302.	298.
9 47 11	LOW	129.	136.	285.	282.	169.	152.	492.6	LOW	167.9	292.	293.	288.
9 47 16	LOW	130.	132.	287.	280.	168.	154.	470.2	LOW	182.2	294.	298.	289.
9 48 25	LOW	136.	138.	274.	276.	157.	147.	487.6	LOW	178.3	292.	294.	293.
9 48 30	LOW	127.	130.	282.	285.	168.	157.	459.5	LOW	179.6	298.	301.	296.
9 48 35	LOW	120.	119.	289.	293.	176.	165.	407.7	LOW	184.8	308.	309.	304.
10 0 22	LOW	129.	126.	280.	289.	171.	156.	248.4	LOW	188.3	306.	308.	304.
10 0 27	LOW	127.	121.	299.	289.	176.	156.	56.2	LOW	195.1	312.	314.	311.
10 0 32	LOW	127.	124.	300.	289.	174.	164.	68.3	LOW	197.1	312.	315.	310.
10 0 37	LOW	121.	126.	288.	297.	173.	165.	134.3	LOW	173.1	304.	307.	299.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 15 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
19													
18 0 42	LOW	120.	124.	290.	297.	177.	165.	125.6	LOW	177.3	307.	310.	302.
18 0 47	LOW	125.	130.	298.	289.	168.	159.	136.2	LOW	175.1	303.	299.	297.
18 0 52	LOW	121.	126.	291.	293.	173.	162.	121.0	LOW	180.6	309.	306.	303.
18 0 57	LOW	126.	124.	296.	296.	174.	165.	128.5	LOW	178.3	307.	311.	304.
18 1 2	LOW	127.	125.	287.	292.	175.	161.	107.0	LOW	187.0	312.	314.	309.
18 1 12	LOW	128.	127.	279.	289.	174.	160.	77.8	LOW	197.7	314.	315.	312.
18 1 17	LOW	125.	123.	288.	292.	175.	159.	94.1	LOW	193.2	316.	317.	311.
18 1 22	LOW	130.	-77.	280.	286.	174.	160.	54.9	LOW	196.4	312.	319.	312.
18 1 27	LOW	127.	21.	288.	287.	175.	161.	73.8	LOW	194.1	312.	318.	313.
18 1 32	LOW	129.	119.	275.	282.	170.	151.	68.6	LOW	195.8	313.	319.	312.
18 1 32	LOW	132.	125.	275.	282.	172.	160.	60.4	LOW	196.1	312.	319.	310.
18 1 42	LOW	128.	124.	277.	285.	178.	163.	37.9	LOW	190.6	316.	319.	312.
18 1 42	LOW	127.	115.	287.	286.	175.	163.	62.7	LOW	181.9	307.	315.	308.
18 1 47	LOW	131.	125.	270.	280.	173.	163.	47.7	LOW	191.2	317.	324.	314.
18 1 52	LOW	131.	127.	271.	282.	173.	160.	55.9	LOW	196.7	317.	321.	314.
18 1 57	LOW	116.	106.	299.	235.	168.	158.	142.1	LOW	169.2	306.	307.	301.
18 2 2	LOW	124.	107.	298.	283.	166.	157.	110.2	LOW	165.7	303.	307.	300.
18 2 7	LOW	137.	134.	286.	271.	160.	145.	92.8	LOW	180.2	306.	307.	306.
18 2 13	LOW	138.	136.	287.	271.	161.	147.	76.1	LOW	181.9	304.	308.	304.
18 2 18	LOW	143.	139.	287.	273.	158.	154.	51.6	LOW	182.8	309.	311.	303.
18 2 23	LOW	138.	128.	280.	275.	164.	155.	45.4	LOW	190.3	313.	315.	308.
18 2 28	LOW	121.	121.	276.	284.	164.	159.	64.8	LOW	178.3	301.	304.	296.
18 2 33	LOW	129.	128.	279.	282.	165.	153.	43.5	LOW	180.9	305.	310.	304.
18 2 38	LOW	118.	121.	291.	298.	178.	167.	28.5	LOW	182.2	316.	328.	314.
18 2 43	LOW	126.	129.	294.	293.	168.	158.	60.0	LOW	178.0	311.	317.	307.
18 42 48	LOW	138.	139.	294.	284.	162.	144.	58.2	LOW	180.9	309.	299.	307.
18 2 53	LOW	138.	139.	295.	282.	164.	146.	51.6	LOW	178.3	307.	303.	305.
18 2 58	LOW	134.	136.	299.	289.	164.	151.	69.9	LOW	172.5	299.	304.	303.
18 3 3	LOW	135.	137.	293.	289.	166.	152.	51.3	LOW	181.5	306.	307.	307.
18 43 8	LOW	138.	138.	293.	289.	164.	150.	17.3	LOW	186.7	309.	311.	310.
18 3 13	LOW	131.	129.	298.	296.	171.	160.	22.2	LOW	185.1	314.	316.	312.
18 3 18	LOW	119.	116.	296.	310.	170.	167.	45.1	LOW	178.3	317.	317.	312.
18 3 23	LOW	127.	127.	294.	300.	171.	151.	31.5	LOW	183.8	314.	316.	310.
18 3 28	LOW	132.	127.	286.	298.	174.	162.	12.4	LOW	190.6	316.	322.	312.
18 3 33	LOW	133.	130.	287.	295.	171.	157.	16.3	LOW	189.9	314.	318.	312.
18 3 38	LOW	138.	136.	284.	288.	166.	149.	40.5	LOW	188.6	310.	314.	309.
18 43 48	LOW	131.	132.	295.	294.	168.	150.	58.2	LOW	179.6	309.	312.	307.
18 3 53	LOW	129.	134.	287.	294.	176.	161.	39.8	LOW	175.1	321.	320.	316.
18 3 58	LOW	129.	132.	298.	293.	172.	159.	29.3	LOW	178.3	317.	317.	311.
18 4 3	LOW	129.	130.	292.	291.	169.	161.	55.5	LOW	180.9	312.	314.	299.
18 4 8	LOW	129.	132.	294.	290.	172.	157.	51.9	LOW	181.9	312.	314.	302.
18 4 8	LOW	130.	131.	297.	293.	175.	165.	63.4	LOW	180.9	311.	312.	305.

C COMMUTATOR

TIME H/M/S	PR 7 TEMP L/MENG COMPT TOP FWD STA650	PR 8 TEMP L/MENG COMPT BOT FWD STA650	PR 9 TEMP L/MENG COMPT INBD FWD STA650	PR 10 TEMP L/MENG COMPT OUTBD FWD STA650	PR 11 TEMP L/MENG COMPT TOP AFT STA770	PR 12 TEMP L/MENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/MENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
8 57 9	124.	117.	122.	123.	124.	117.	117.	117.	119.	LOW	126.	129.	128.
8 57 14	124.	117.	121.	122.	125.	117.	117.	118.	118.	LOW	126.	128.	128.
8 57 19	123.	117.	122.	122.	125.	116.	117.	118.	119.	LOW	124.	125.	128.
8 57 24	123.	116.	122.	122.	125.	117.	117.	118.	119.	LOW	126.	127.	128.
8 57 29	124.	117.	121.	121.	125.	116.	117.	116.	122.	LOW	126.	126.	129.
8 57 42	124.	116.	121.	116.	120.	116.	117.	116.	120.	LOW	126.	127.	129.
8 57 39	125.	116.	121.	121.	123.	117.	117.	117.	119.	LOW	127.	128.	128.
8 57 49	124.	116.	121.	121.	125.	117.	117.	118.	119.	LOW	127.	127.	128.
8 57 54	125.	117.	123.	122.	124.	117.	117.	117.	119.	LOW	124.	128.	128.
8 57 59	125.	118.	122.	122.	123.	117.	117.	118.	119.	LOW	125.	128.	129.
8 58 4	123.	116.	123.	116.	116.	117.	117.	117.	119.	LOW	125.	128.	128.
8 58 9	124.	117.	122.	118.	119.	117.	117.	117.	119.	LOW	125.	128.	122.
8 58 9	125.	116.	121.	122.	125.	113.	117.	116.	119.	LOW	126.	128.	128.
8 58 14	126.	116.	121.	121.	126.	115.	117.	117.	118.	LOW	126.	128.	128.
8 58 19	125.	117.	121.	121.	126.	117.	118.	117.	120.	LOW	125.	127.	127.
8 58 24	125.	117.	121.	122.	125.	117.	118.	116.	119.	LOW	126.	127.	128.
8 58 29	125.	116.	121.	121.	125.	116.	117.	117.	120.	LOW	126.	128.	128.
8 58 34	125.	116.	121.	121.	127.	116.	117.	117.	119.	LOW	126.	127.	128.
8 58 40	125.	117.	121.	121.	125.	117.	117.	120.	118.	LOW	125.	131.	128.
8 58 45	123.	117.	121.	122.	125.	117.	118.	119.	119.	LOW	125.	129.	128.
8 58 50	125.	117.	121.	122.	125.	116.	117.	118.	118.	LOW	123.	127.	116.
8 58 55	125.	117.	121.	122.	125.	117.	118.	118.	119.	LOW	125.	127.	122.
8 59 0	122.	116.	123.	121.	125.	116.	117.	118.	119.	LOW	125.	127.	128.
8 59 5	123.	116.	122.	121.	125.	116.	117.	118.	119.	LOW	123.	127.	127.
8 59 10	125.	117.	122.	121.	124.	116.	117.	117.	119.	LOW	124.	128.	128.
8 59 15	125.	117.	122.	121.	125.	116.	117.	116.	119.	LOW	125.	128.	128.
8 59 20	125.	117.	121.	121.	124.	117.	117.	117.	119.	LOW	126.	127.	128.
9 10 18	125.	118.	122.	121.	121.	117.	117.	117.	119.	LOW	126.	127.	127.
9 10 23	125.	119.	116.	121.	125.	117.	117.	119.	123.	LOW	126.	128.	128.
9 10 28	125.	118.	119.	121.	126.	117.	118.	119.	123.	LOW	126.	127.	128.
9 10 33	125.	118.	123.	121.	125.	119.	117.	118.	121.	LOW	125.	126.	126.
9 10 38	125.	118.	122.	121.	125.	118.	118.	118.	122.	LOW	126.	126.	127.
9 10 43	124.	117.	121.	121.	122.	117.	119.	117.	125.	LOW	127.	127.	128.
9 10 53	124.	118.	122.	121.	123.	117.	118.	118.	124.	LOW	126.	127.	128.
9 10 58	124.	117.	121.	121.	125.	117.	117.	119.	125.	LOW	125.	127.	128.
9 11 3	124.	119.	121.	121.	125.	118.	117.	118.	124.	LOW	125.	128.	128.
9 11 3	124.	119.	121.	121.	125.	117.	117.	117.	116.	LOW	128.	127.	128.
9 51 8	124.	119.	121.	120.	125.	116.	119.	118.	120.	LOW	127.	127.	128.
9 11 13	125.	118.	121.	122.	125.	119.	116.	118.	124.	LOW	125.	127.	134.
9 11 23	124.	118.	121.	121.	124.	118.	117.	118.	126.	LOW	126.	127.	130.
9 11 28	123.	119.	123.	121.	121.	116.	118.	117.	126.	125.	127.	127.	131.
9 11 28	123.	118.	122.	120.	122.	116.	118.	117.	126.	126.	127.	127.	129.
9 11 33	124.	118.	121.	121.	123.	117.	117.	116.	127.	LOW	127.	128.	128.
9 11 38	124.	118.	122.	121.	124.	117.	117.	116.	127.	*000000.	127.	127.	128.
9 11 43	127.	119.	122.	121.	125.	119.	118.	118.	127.	127.	125.	128.	128.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
9 51 48	124.	120.	122.	122.	126.	118.	117.	117.	128.	*000000.	126.	127.	128.
9 11 53	123.	121.	121.	120.	125.	117.	117.	117.	129.	LOW	123.	125.	128.
9 51 58	123.	120.	121.	121.	125.	116.	117.	117.	129.	LOW	124.	127.	127.
9 12 4	123.	119.	121.	121.	125.	118.	117.	118.	129.	LOW	123.	128.	128.
9 12 9	123.	120.	121.	121.	125.	117.	117.	117.	132.	LOW	125.	120.	128.
9 12 14	124.	120.	121.	121.	124.	117.	118.	117.	132.	LOW	128.	120.	129.
9 12 19	123.	120.	121.	121.	124.	117.	118.	118.	129.	LOW	127.	127.	128.
9 12 24	125.	120.	121.	123.	123.	119.	116.	118.	132.	LOW	125.	127.	129.
9 12 29	124.	120.	121.	122.	124.	110.	116.	118.	132.	LOW	126.	127.	129.
9 12 34	123.	120.	122.	122.	121.	117.	118.	119.	133.	LOW	125.	128.	128.
9 12 39	123.	119.	121.	120.	122.	116.	118.	118.	134.	LOW	125.	127.	128.
9 12 44	118.	120.	122.	116.	125.	119.	117.	117.	134.	LOW	124.	128.	128.
9 12 49	121.	120.	122.	119.	125.	119.	117.	120.	135.	LOW	124.	129.	128.
9 12 54	123.	120.	122.	116.	125.	119.	117.	121.	137.	LOW	125.	127.	120.
9 12 59	122.	120.	123.	119.	126.	119.	117.	119.	137.	LOW	125.	127.	120.
9 13 4	123.	121.	122.	123.	127.	119.	118.	123.	136.	LOW	119.	127.	126.
9 13 9	124.	120.	122.	123.	127.	120.	118.	123.	137.	LOW	123.	127.	130.
9 13 14	124.	121.	122.	123.	128.	116.	116.	126.	139.	LOW	126.	126.	127.
9 13 19	125.	121.	122.	125.	129.	119.	117.	127.	139.	LOW	125.	127.	128.
9 13 29	125.	116.	124.	127.	132.	124.	121.	132.	139.	LOW	126.	127.	131.
9 13 34	125.	119.	124.	123.	131.	124.	121.	133.	141.	LOW	127.	127.	130.
9 13 39	124.	122.	123.	125.	128.	125.	124.	134.	140.	LOW	120.	129.	127.
9 13 39	125.	123.	123.	125.	128.	125.	126.	136.	140.	LOW	121.	128.	127.
9 13 44	121.	118.	124.	126.	127.	126.	128.	138.	141.	LOW	125.	128.	128.
9 13 49	123.	117.	124.	126.	127.	126.	128.	138.	141.	LOW	124.	128.	128.
9 13 59	116.	125.	124.	127.	127.	127.	129.	139.	141.	LOW	126.	127.	128.
9 14 12	120.	123.	124.	127.	127.	127.	130.	139.	143.	LOW	126.	127.	122.
9 14 9	127.	125.	125.	128.	127.	128.	132.	141.	144.	LOW	125.	127.	128.
9 14 9	126.	126.	125.	127.	120.	120.	133.	141.	145.	LOW	126.	127.	128.
9 14 14	124.	125.	125.	127.	128.	120.	135.	142.	149.	LOW	125.	128.	128.
9 14 19	125.	125.	123.	127.	129.	129.	135.	142.	147.	LOW	126.	127.	128.
9 14 24	127.	127.	125.	129.	129.	131.	137.	141.	144.	LOW	124.	127.	128.
9 14 29	128.	126.	126.	129.	129.	131.	138.	141.	146.	LOW	126.	127.	127.
9 14 34	128.	123.	127.	129.	130.	132.	142.	143.	136.	LOW	124.	126.	127.
9 14 40	128.	124.	127.	130.	129.	133.	143.	144.	140.	LOW	124.	127.	127.
9 14 45	131.	126.	127.	132.	129.	135.	144.	147.	145.	LOW	123.	120.	126.
9 14 50	129.	126.	126.	130.	129.	135.	142.	146.	146.	LOW	124.	127.	127.
9 14 55	120.	126.	126.	130.	123.	137.	149.	147.	148.	LOW	119.	120.	127.
9 15 0	128.	128.	127.	130.	129.	130.	149.	144.	149.	LOW	122.	128.	127.
9 15 5	128.	128.	127.	131.	129.	139.	150.	147.	149.	146.	125.	127.	128.
9 15 10	128.	127.	127.	131.	129.	140.	150.	147.	149.	144.	125.	127.	127.
9 15 15	130.	128.	126.	130.	132.	141.	153.	148.	150.	LOW	125.	127.	127.
9 15 20	129.	127.	126.	130.	132.	142.	154.	148.	150.	LOW	125.	127.	127.
9 15 25	120.	127.	120.	130.	131.	142.	155.	148.	152.	150.	125.	127.	127.
9 15 30	129.	127.	128.	131.	131.	140.	156.	149.	151.	*000000.	125.	127.	127.
9 15 35	128.	128.	131.	132.	131.	145.	157.	149.	152.	LOW	124.	126.	127.
9 15 40	127.	128.	130.	131.	133.	145.	158.	150.	152.	LOW	124.	127.	126.
9 15 45	124.	125.	127.	123.	127.	139.	155.	149.	148.	LOW	125.	127.	126.
9 15 50	124.	127.	127.	126.	127.	140.	162.	151.	150.	LOW	124.	128.	126.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 96 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
9 15 55	136.	137.	136.	134.	131.	158.	158.	155.	153.	LOW	125.	130.	128.
9 16 5	129.	132.	130.	129.	128.	149.	163.	152.	150.	LOW	125.	128.	127.
9 16 10	131.	132.	131.	129.	136.	152.	167.	149.	151.	LOW	121.	125.	126.
9 16 18	131.	132.	129.	130.	135.	152.	172.	149.	151.	LOW	123.	126.	126.
9 16 15	136.	136.	132.	136.	136.	155.	170.	149.	157.	LOW	125.	125.	121.
9 16 20	129.	132.	128.	131.	131.	151.	172.	151.	155.	LOW	125.	126.	124.
9 16 25	134.	139.	137.	139.	134.	163.	151.	154.	158.	LOW	125.	128.	128.
9 16 35	135.	138.	138.	138.	136.	165.	168.	151.	156.	LOW	124.	127.	126.
9 16 40	136.	142.	137.	139.	139.	166.	157.	149.	158.	LOW	123.	121.	127.
9 16 45	130.	138.	133.	135.	135.	158.	153.	156.	158.	LOW	123.	124.	128.
9 16 45	128.	134.	127.	132.	136.	156.	182.	158.	152.	LOW	125.	127.	128.
9 16 50	127.	134.	129.	133.	136.	160.	181.	155.	149.	LOW	125.	126.	126.
9 16 55	138.	142.	137.	147.	141.	167.	176.	156.	160.	LOW	123.	126.	127.
9 17 0	131.	137.	134.	137.	137.	162.	178.	159.	158.	LOW	122.	127.	127.
9 17 5	137.	142.	138.	145.	140.	168.	185.	156.	158.	LOW	123.	127.	126.
9 17 10	135.	143.	137.	141.	141.	171.	188.	155.	157.	LOW	123.	126.	126.
9 17 16	128.	137.	136.	136.	131.	166.	181.	162.	160.	LOW	123.	128.	128.
9 17 21	130.	137.	136.	138.	131.	166.	182.	162.	160.	LOW	123.	128.	128.
9 17 26	139.	146.	139.	148.	143.	177.	191.	158.	160.	LOW	123.	127.	126.
9 17 31	136.	142.	136.	142.	140.	174.	196.	160.	157.	LOW	125.	127.	126.
9 17 36	126.	148.	138.	141.	147.	183.	200.	151.	158.	LOW	123.	125.	125.
9 17 41	131.	145.	139.	141.	143.	180.	139.	157.	159.	LOW	123.	126.	126.
9 17 46	132.	142.	137.	140.	138.	172.	198.	165.	163.	LOW	123.	128.	128.
9 17 51	131.	140.	137.	140.	137.	175.	137.	165.	162.	LOW	121.	128.	128.
9 17 56	134.	139.	137.	143.	131.	176.	202.	165.	161.	155.	123.	128.	127.
9 18 1	138.	141.	137.	143.	135.	180.	209.	162.	159.	149.	124.	127.	126.
9 18 6	137.	148.	141.	145.	138.	183.	206.	161.	161.	151.	123.	128.	126.
9 18 11	132.	143.	137.	140.	134.	177.	206.	166.	162.	151.	123.	127.	127.
9 18 16	139.	149.	143.	146.	139.	189.	208.	157.	163.	152.	123.	116.	126.
9 18 21	138.	146.	141.	143.	137.	188.	215.	158.	159.	150.	123.	121.	124.
9 18 26	141.	148.	145.	147.	139.	191.	213.	162.	162.	155.	122.	127.	125.
9 18 31	138.	145.	142.	144.	137.	186.	211.	165.	162.	152.	122.	128.	126.
9 18 41	145.	148.	142.	151.	143.	191.	215.	163.	163.	152.	123.	127.	127.
9 18 41	141.	148.	141.	145.	142.	192.	219.	162.	161.	158.	124.	125.	127.
9 18 46	138.	149.	140.	139.	144.	191.	223.	161.	160.	148.	123.	125.	126.
9 18 51	137.	146.	139.	141.	139.	188.	218.	166.	161.	152.	122.	127.	127.
9 18 56	134.	141.	138.	139.	136.	185.	210.	175.	167.	153.	122.	129.	129.
9 19 1	132.	143.	139.	138.	135.	187.	212.	173.	167.	156.	119.	129.	129.
9 19 11	132.	142.	138.	139.	130.	185.	214.	172.	165.	152.	116.	130.	127.
9 19 16	131.	139.	136.	138.	131.	184.	219.	174.	163.	151.	120.	129.	128.
9 19 21	145.	150.	143.	150.	136.	200.	226.	160.	162.	150.	123.	125.	126.
9 19 26	140.	149.	143.	146.	137.	196.	222.	165.	165.	154.	122.	127.	121.
9 19 26	136.	152.	147.	147.	141.	203.	220.	162.	165.	155.	122.	127.	116.
9 19 31	139.	151.	147.	146.	140.	204.	225.	161.	162.	154.	122.	127.	117.
9 19 36	141.	147.	141.	141.	142.	200.	240.	165.	163.	147.	123.	126.	127.
9 19 41	134.	145.	140.	139.	138.	196.	231.	170.	164.	152.	123.	138.	127.
9 19 46	136.	143.	137.	138.	140.	191.	229.	170.	160.	149.	125.	127.	128.
9 19 59	135.	144.	137.	137.	140.	195.	230.	170.	161.	149.	125.	126.	127.
9 19 57	138.	148.	145.	143.	141.	208.	235.	161.	161.	159.	125.	127.	124.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
9 20 2	138.	148.	145.	145.	140.	202.	231.	166.	163.	159.	123.	121.	123.
9 20 7	138.	145.	140.	138.	138.	201.	239.	166.	158.	150.	123.	127.	116.
9 20 12	136.	144.	141.	140.	136.	197.	232.	172.	162.	154.	123.	129.	122.
9 20 17	145.	152.	143.	146.	141.	204.	235.	167.	163.	149.	123.	125.	126.
9 20 22	137.	148.	138.	141.	139.	197.	230.	175.	165.	152.	123.	121.	128.
9 20 27	127.	143.	139.	134.	136.	195.	228.	178.	165.	158.	123.	130.	129.
9 20 32	130.	142.	138.	136.	136.	193.	227.	180.	165.	157.	124.	128.	122.
9 20 37	130.	144.	134.	134.	139.	196.	230.	178.	167.	154.	124.	127.	129.
9 20 42	137.	148.	141.	139.	143.	203.	234.	171.	165.	154.	124.	129.	127.
9 20 47	136.	147.	141.	139.	143.	198.	223.	183.	171.	160.	121.	128.	130.
9 20 52	139.	149.	145.	141.	143.	206.	229.	175.	168.	158.	122.	129.	129.
9 20 57	129.	145.	135.	134.	136.	188.	230.	182.	168.	155.	121.	129.	129.
9 21 2	133.	147.	139.	139.	137.	194.	228.	180.	169.	158.	122.	128.	129.
9 21 7	128.	145.	134.	134.	139.	202.	230.	178.	163.	156.	125.	128.	128.
9 21 17	131.	146.	138.	135.	136.	202.	231.	179.	164.	158.	124.	129.	128.
9 21 17	139.	149.	141.	135.	143.	207.	240.	174.	164.	150.	127.	127.	126.
9 21 22	142.	152.	144.	145.	146.	209.	237.	173.	167.	152.	125.	126.	126.
9 21 27	132.	149.	144.	137.	138.	203.	224.	180.	170.	161.	123.	129.	128.
9 21 32	140.	153.	146.	142.	142.	206.	227.	177.	171.	160.	122.	128.	127.
9 21 37	136.	152.	147.	143.	142.	213.	244.	172.	162.	153.	125.	127.	121.
9 61 47	137.	154.	149.	145.	140.	214.	238.	172.	165.	155.	128.	127.	124.
9 21 52	145.	155.	149.	151.	141.	209.	239.	174.	166.	158.	121.	127.	125.
9 21 57	143.	153.	148.	149.	141.	207.	236.	178.	168.	159.	121.	126.	127.
9 22 2	136.	144.	142.	132.	133.	203.	242.	178.	164.	154.	124.	129.	128.
9 22 2	137.	147.	143.	134.	137.	207.	243.	178.	164.	153.	124.	128.	127.
9 22 7	144.	151.	148.	145.	145.	212.	246.	178.	168.	151.	123.	126.	126.
9 22 12	144.	150.	147.	143.	143.	212.	246.	177.	165.	152.	124.	126.	126.
9 22 17	134.	147.	142.	133.	141.	208.	240.	178.	165.	154.	124.	128.	116.
9 22 22	137.	141.	142.	135.	141.	204.	242.	179.	165.	152.	124.	128.	121.
9 22 35	140.	145.	145.	139.	138.	206.	243.	178.	162.	152.	121.	127.	126.
9 22 33	140.	148.	146.	140.	140.	210.	245.	177.	164.	152.	121.	127.	126.
9 22 38	149.	152.	152.	147.	136.	214.	237.	179.	169.	160.	122.	128.	127.
9 22 43	144.	150.	151.	146.	137.	212.	232.	182.	168.	161.	121.	128.	127.
9 62 48	143.	152.	149.	142.	147.	217.	244.	174.	169.	157.	123.	125.	125.
9 22 53	139.	149.	146.	138.	142.	213.	243.	179.	169.	156.	124.	127.	126.
9 22 58	138.	145.	142.	134.	137.	205.	242.	184.	170.	155.	123.	128.	128.
9 23 3	132.	143.	144.	135.	135.	204.	238.	188.	171.	157.	122.	128.	129.
9 63 8	137.	147.	145.	139.	136.	206.	232.	191.	172.	158.	121.	130.	136.
9 23 13	142.	151.	148.	143.	140.	212.	235.	186.	171.	159.	122.	128.	131.
9 23 18	135.	143.	143.	137.	133.	202.	240.	191.	169.	154.	123.	128.	129.
9 23 23	140.	147.	140.	137.	139.	210.	241.	185.	171.	156.	123.	127.	127.
9 23 28	143.	150.	148.	141.	142.	213.	247.	176.	165.	156.	123.	128.	126.
9 23 33	144.	149.	148.	140.	142.	214.	247.	176.	165.	157.	123.	127.	125.
9 23 38	143.	151.	149.	145.	143.	216.	247.	177.	167.	156.	124.	127.	125.
9 23 43	144.	150.	150.	143.	143.	218.	244.	176.	169.	158.	124.	127.	126.
9 63 48	136.	145.	147.	138.	132.	206.	236.	193.	170.	157.	123.	130.	131.
9 23 53	139.	144.	147.	138.	132.	210.	242.	187.	167.	156.	124.	129.	123.
9 23 58	148.	152.	154.	136.	138.	221.	241.	181.	170.	160.	123.	128.	127.
9 24 3	143.	149.	149.	137.	133.	213.	241.	187.	170.	157.	122.	129.	127.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 96 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 36 TEMP SKIN MASS TAIL R/H ST687
9 24 8	146.	152.	149.	143.	143.	215.	240.	102.	174.	160.	121.	128.	127.
9 24 13	144.	152.	149.	141.	142.	217.	244.	102.	172.	156.	122.	127.	124.
9 24 23	145.	156.	152.	143.	141.	223.	237.	101.	172.	158.	123.	132.	126.
9 24 23	143.	153.	152.	142.	137.	219.	239.	100.	170.	158.	122.	129.	126.
9 28 16	134.	149.	149.	126.	137.	208.	239.	207.	171.	160.	121.	130.	131.
9 28 21	139.	152.	152.	135.	139.	214.	241.	202.	171.	163.	121.	130.	130.
9 28 34	136.	152.	150.	132.	139.	216.	244.	193.	172.	163.	125.	116.	127.
9 28 31	139.	152.	151.	135.	140.	214.	243.	196.	175.	163.	125.	122.	127.
9 28 36	145.	155.	156.	143.	141.	215.	242.	198.	174.	168.	123.	129.	128.
9 28 41	138.	151.	152.	138.	137.	211.	244.	198.	171.	163.	122.	130.	129.
9 28 46	139.	153.	152.	141.	140.	212.	236.	207.	178.	163.	121.	130.	130.
9 28 56	139.	151.	150.	137.	140.	210.	242.	202.	176.	161.	123.	129.	129.
9 29 1	136.	147.	148.	132.	134.	211.	239.	197.	169.	156.	124.	120.	127.
9 29 6	134.	149.	149.	130.	136.	212.	245.	197.	170.	158.	124.	127.	127.
9 29 11	130.	147.	145.	130.	134.	202.	250.	201.	169.	152.	122.	127.	129.
9 29 16	132.	145.	146.	131.	134.	201.	251.	202.	166.	152.	123.	128.	129.
9 29 16	134.	149.	154.	136.	136.	210.	242.	203.	172.	161.	121.	130.	129.
9 29 21	136.	149.	150.	135.	136.	209.	247.	203.	170.	157.	123.	129.	128.
9 29 26	130.	147.	150.	132.	130.	207.	249.	209.	161.	156.	123.	130.	128.
9 29 31	131.	146.	149.	130.	130.	207.	250.	204.	162.	155.	123.	130.	127.
9 29 36	129.	149.	148.	116.	134.	208.	252.	203.	169.	156.	123.	129.	128.
9 29 41	136.	150.	149.	127.	137.	209.	252.	199.	169.	157.	124.	129.	127.
9 29 47	136.	150.	153.	130.	141.	217.	244.	196.	175.	158.	125.	129.	128.
9 29 52	136.	152.	149.	135.	138.	209.	248.	201.	171.	156.	124.	129.	128.
9 29 65	142.	152.	155.	139.	141.	215.	251.	195.	172.	163.	125.	129.	127.
9 30 2	137.	147.	151.	133.	130.	212.	251.	190.	170.	155.	122.	129.	127.
9 30 7	139.	151.	149.	134.	141.	214.	252.	198.	175.	156.	125.	128.	128.
9 30 12	138.	149.	148.	133.	138.	212.	253.	197.	170.	155.	125.	128.	127.
9 30 17	136.	152.	151.	138.	138.	210.	238.	211.	175.	164.	123.	130.	131.
9 30 22	135.	147.	149.	132.	137.	210.	242.	207.	169.	160.	122.	129.	129.
9 30 27	136.	158.	155.	142.	141.	217.	230.	209.	178.	171.	123.	131.	130.
9 30 32	140.	158.	154.	140.	144.	219.	240.	203.	176.	168.	123.	129.	128.
9 30 37	146.	155.	158.	143.	139.	213.	240.	206.	178.	168.	121.	126.	129.
9 30 42	142.	154.	155.	137.	139.	215.	245.	202.	172.	165.	123.	127.	127.
9 30 47	143.	156.	155.	132.	142.	219.	245.	198.	176.	163.	125.	126.	128.
9 30 52	138.	150.	152.	130.	137.	215.	250.	200.	171.	158.	125.	127.	127.
9 30 57	147.	156.	156.	142.	145.	218.	242.	204.	188.	167.	124.	128.	128.
9 31 2	146.	157.	154.	143.	146.	218.	242.	204.	182.	160.	124.	129.	129.
9 31 7	143.	149.	156.	137.	140.	221.	245.	200.	180.	168.	125.	133.	128.
9 31 12	141.	153.	155.	137.	142.	220.	247.	198.	181.	169.	123.	129.	127.
9 31 17	145.	154.	154.	141.	141.	219.	245.	203.	185.	171.	123.	128.	129.
9 31 22	139.	151.	152.	138.	137.	215.	245.	206.	183.	170.	123.	129.	129.
9 71 32	131.	144.	146.	132.	132.	204.	250.	210.	178.	165.	123.	130.	130.
9 31 37	134.	149.	149.	135.	136.	210.	244.	209.	183.	169.	123.	130.	128.
9 31 42	131.	145.	148.	134.	126.	203.	249.	206.	178.	158.	123.	128.	128.
9 31 47	136.	149.	152.	130.	132.	207.	246.	208.	179.	164.	123.	129.	128.
9 31 52	144.	160.	158.	141.	143.	217.	244.	203.	185.	171.	123.	123.	129.
9 31 57	143.	160.	156.	140.	144.	220.	245.	201.	184.	169.	123.	129.	128.
9 31 57	138.	151.	151.	134.	136.	213.	256.	201.	173.	160.	125.	128.	128.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/M STA687	AF 38 TEMP SKIN MASS TAIL R/M ST687
14													
9 32 2	139.	151.	151.	135.	138.	215.	254.	202.	177.	161.	124.	128.	128.
9 32 7	132.	149.	147.	132.	134.	206.	253.	209.	172.	159.	123.	130.	129.
9 32 12	132.	150.	148.	132.	134.	205.	250.	209.	176.	160.	123.	129.	129.
9 32 17	133.	150.	152.	131.	131.	207.	249.	209.	174.	161.	123.	129.	128.
9 32 22	134.	149.	149.	130.	133.	206.	250.	209.	175.	159.	123.	129.	129.
9 32 28	132.	152.	149.	132.	132.	203.	249.	212.	178.	163.	122.	129.	129.
9 32 33	135.	156.	154.	136.	134.	212.	245.	209.	180.	167.	122.	129.	129.
9 32 38	129.	149.	152.	128.	130.	209.	250.	210.	174.	161.	123.	131.	129.
9 32 43	136.	153.	155.	136.	133.	210.	246.	210.	177.	165.	122.	131.	130.
9 72 48	144.	161.	158.	145.	142.	216.	242.	208.	185.	171.	123.	129.	127.
9 32 53	138.	155.	153.	136.	138.	211.	249.	209.	182.	164.	123.	131.	128.
9 32 58	134.	149.	151.	127.	133.	210.	252.	209.	170.	160.	124.	126.	128.
9 33 3	134.	148.	150.	130.	134.	206.	251.	211.	172.	160.	123.	128.	129.
9 73 8	132.	152.	151.	129.	136.	211.	249.	205.	176.	160.	125.	128.	128.
9 33 13	136.	156.	156.	135.	137.	216.	244.	208.	179.	166.	124.	129.	129.
9 33 18	145.	157.	160.	140.	140.	220.	249.	204.	178.	167.	125.	130.	128.
9 33 23	143.	157.	159.	140.	140.	219.	252.	202.	177.	165.	125.	130.	128.
9 33 28	139.	158.	158.	140.	137.	212.	244.	214.	180.	168.	123.	133.	130.
9 33 33	137.	155.	155.	136.	134.	209.	246.	215.	179.	165.	123.	132.	130.
9 33 38	128.	152.	150.	130.	132.	210.	249.	210.	178.	160.	116.	129.	129.
9 33 43	133.	152.	150.	130.	134.	213.	250.	208.	176.	159.	119.	129.	129.
9 73 48	138.	158.	158.	130.	138.	218.	254.	206.	175.	161.	125.	128.	128.
9 33 53	141.	161.	160.	135.	137.	222.	250.	204.	179.	166.	125.	128.	128.
9 33 58	131.	153.	156.	132.	132.	211.	250.	211.	176.	165.	123.	132.	130.
9 34 8	136.	152.	156.	132.	134.	212.	253.	208.	172.	161.	123.	131.	129.
9 34 13	136.	156.	157.	140.	138.	212.	241.	213.	182.	169.	122.	132.	130.
9 34 18	142.	160.	158.	140.	140.	218.	245.	209.	182.	167.	119.	131.	130.
9 34 23	141.	161.	158.	138.	144.	223.	249.	201.	180.	169.	123.	128.	128.
9 34 28	141.	160.	158.	138.	141.	222.	252.	202.	178.	166.	124.	129.	127.
9 34 33	144.	160.	161.	137.	142.	224.	259.	203.	172.	168.	125.	130.	128.
9 34 33	140.	157.	158.	131.	140.	220.	255.	204.	174.	162.	125.	129.	127.
9 34 38	138.	156.	158.	139.	137.	211.	242.	217.	178.	166.	121.	132.	130.
9 34 43	139.	157.	158.	139.	136.	211.	245.	219.	178.	164.	122.	129.	130.
9 34 48	144.	158.	156.	137.	141.	217.	258.	208.	174.	158.	127.	130.	128.
9 34 53	143.	158.	157.	138.	141.	218.	259.	207.	173.	160.	126.	128.	128.
9 34 58	132.	152.	153.	136.	133.	206.	243.	217.	180.	165.	121.	130.	132.
9 35 4	138.	156.	157.	140.	136.	212.	246.	214.	179.	165.	122.	130.	130.
9 35 9	128.	152.	151.	132.	127.	208.	244.	220.	176.	167.	121.	133.	132.
9 35 14	135.	158.	154.	134.	133.	217.	250.	210.	174.	166.	123.	130.	130.
9 35 19	144.	157.	158.	138.	145.	233.	256.	199.	175.	165.	124.	127.	127.
9 35 24	146.	162.	160.	142.	145.	233.	248.	204.	179.	169.	125.	129.	128.
9 35 29	139.	160.	153.	134.	140.	223.	258.	207.	170.	158.	125.	128.	129.
9 35 34	144.	166.	157.	140.	144.	228.	252.	204.	175.	164.	125.	128.	128.
9 35 39	145.	167.	159.	143.	148.	230.	254.	200.	176.	171.	126.	127.	127.
9 35 44	148.	167.	159.	146.	150.	230.	253.	202.	178.	169.	125.	128.	128.
9 35 49	138.	158.	153.	143.	136.	213.	237.	219.	184.	175.	122.	128.	132.
9 35 54	138.	158.	154.	143.	137.	214.	233.	219.	188.	178.	122.	131.	132.
9 35 59	127.	151.	149.	129.	127.	207.	251.	219.	167.	165.	122.	132.	129.
9 36 4	133.	155.	152.	132.	136.	217.	255.	209.	172.	164.	122.	130.	128.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET OIL PUMP	SP 9 TEMP HYD OIL OTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET OTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
9 36 9	139.	155.	156.	136.	130.	214.	238.	224.	189.	173.	123.	134.	132.
9 36 14	141.	160.	157.	142.	141.	218.	237.	225.	191.	177.	122.	134.	132.
9 36 19	135.	149.	152.	136.	132.	206.	246.	224.	180.	168.	123.	126.	133.
9 36 24	138.	154.	154.	138.	137.	217.	253.	212.	170.	166.	125.	127.	129.
9 36 29	133.	141.	147.	126.	134.	214.	256.	213.	172.	160.	125.	130.	129.
9 36 34	135.	148.	149.	131.	134.	214.	246.	219.	180.	168.	124.	131.	131.
9 36 44	133.	147.	149.	134.	130.	205.	242.	226.	191.	173.	123.	134.	132.
9 36 49	136.	150.	153.	138.	132.	210.	239.	223.	189.	176.	122.	133.	132.
9 36 54	149.	168.	161.	150.	149.	228.	247.	212.	187.	175.	121.	130.	126.
9 36 59	147.	160.	158.	144.	145.	226.	256.	209.	179.	168.	118.	130.	126.
9 37 4	146.	165.	160.	143.	150.	235.	249.	203.	182.	167.	124.	128.	127.
9 37 9	144.	160.	156.	140.	147.	229.	254.	205.	179.	163.	125.	129.	128.
9 37 9	127.	143.	149.	121.	126.	207.	251.	221.	172.	165.	123.	133.	131.
9 37 14	128.	142.	148.	127.	127.	204.	249.	221.	175.	165.	123.	133.	129.
9 37 19	128.	140.	147.	127.	125.	205.	251.	221.	172.	162.	125.	134.	131.
9 37 24	130.	152.	153.	138.	130.	216.	248.	217.	179.	170.	124.	132.	131.
9 37 29	152.	160.	157.	149.	149.	230.	252.	209.	178.	169.	125.	130.	127.
9 77 34	151.	162.	159.	149.	150.	231.	254.	210.	179.	170.	126.	127.	127.
9 37 40	147.	165.	160.	145.	150.	233.	262.	202.	175.	163.	124.	127.	126.
9 37 45	148.	163.	161.	144.	149.	234.	259.	203.	175.	162.	125.	128.	125.
9 37 50	152.	166.	164.	150.	152.	231.	244.	212.	184.	167.	124.	129.	129.
9 37 55	146.	160.	160.	142.	148.	224.	252.	210.	177.	163.	125.	129.	129.
9 30 0	137.	150.	160.	139.	136.	214.	236.	221.	186.	175.	123.	131.	132.
9 38 5	135.	151.	155.	133.	136.	210.	244.	220.	182.	168.	124.	131.	132.
9 38 10	151.	167.	169.	149.	147.	231.	246.	206.	183.	171.	124.	130.	128.
9 38 15	147.	166.	167.	148.	145.	228.	245.	207.	185.	173.	123.	130.	129.
9 38 20	137.	147.	158.	136.	134.	210.	244.	227.	187.	174.	123.	134.	133.
9 38 25	137.	150.	159.	136.	134.	211.	242.	226.	187.	176.	123.	134.	133.
9 38 30	142.	165.	167.	144.	141.	229.	232.	218.	196.	189.	122.	132.	130.
9 38 35	144.	167.	168.	146.	145.	232.	239.	212.	193.	185.	124.	131.	129.
9 38 40	138.	160.	162.	138.	136.	216.	233.	220.	199.	185.	121.	133.	132.
9 38 45	143.	165.	166.	144.	141.	222.	237.	217.	200.	182.	121.	132.	130.
9 38 50	142.	159.	161.	135.	141.	226.	260.	208.	182.	167.	126.	129.	127.
9 38 55	139.	155.	159.	132.	140.	223.	256.	212.	184.	167.	126.	130.	126.
9 39 0	150.	170.	170.	151.	145.	227.	242.	213.	196.	180.	123.	130.	129.
9 39 5	147.	168.	168.	148.	144.	223.	237.	217.	198.	182.	123.	131.	130.
9 39 10	145.	157.	164.	139.	147.	225.	260.	198.	180.	165.	127.	127.	127.
9 39 20	148.	156.	160.	131.	141.	222.	257.	208.	182.	166.	126.	128.	129.
9 39 20	154.	157.	171.	145.	150.	235.	256.	203.	193.	168.	124.	131.	126.
9 47 6	146.	153.	165.	136.	144.	229.	258.	206.	176.	161.	125.	130.	127.
9 47 11	147.	167.	172.	150.	147.	226.	240.	230.	188.	172.	123.	133.	132.
9 47 16	147.	165.	170.	144.	147.	228.	248.	221.	174.	163.	124.	130.	130.
9 48 25	141.	164.	168.	142.	139.	224.	246.	226.	171.	160.	124.	131.	128.
9 48 30	141.	161.	165.	134.	140.	227.	252.	221.	172.	160.	124.	131.	130.
9 48 35	144.	160.	165.	129.	145.	233.	250.	215.	172.	159.	125.	131.	132.
10 0 22	142.	161.	167.	133.	141.	227.	259.	221.	164.	154.	125.	131.	129.
10 0 27	148.	164.	169.	138.	149.	242.	262.	217.	167.	152.	123.	130.	135.
10 0 32	149.	164.	160.	139.	150.	242.	260.	216.	163.	158.	123.	130.	132.
10 0 37	154.	169.	168.	147.	154.	249.	239.	223.	180.	172.	123.	136.	133.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOIL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
10 0 42	154.	171.	169.	148.	155.	248.	241.	220.	177.	171.	122.	135.	133.
10 0 47	145.	163.	157.	138.	149.	242.	227.	229.	179.	168.	123.	134.	132.
10 0 52	149.	166.	162.	146.	151.	245.	236.	221.	175.	167.	123.	133.	124.
10 0 57	150.	167.	161.	142.	154.	239.	244.	219.	178.	172.	123.	134.	134.
10 1 2	146.	169.	163.	148.	150.	239.	249.	215.	172.	163.	124.	133.	132.
10 1 12	145.	171.	167.	153.	147.	240.	256.	212.	165.	154.	124.	132.	130.
10 1 17	145.	168.	163.	145.	149.	245.	254.	214.	168.	157.	123.	132.	131.
10 1 22	147.	169.	163.	155.	145.	239.	249.	209.	169.	154.	125.	130.	130.
10 1 27	145.	171.	164.	156.	145.	243.	248.	209.	168.	156.	125.	131.	130.
10 1 32	142.	165.	162.	155.	139.	237.	246.	209.	169.	154.	127.	130.	132.
10 1 32	137.	163.	160.	149.	136.	236.	245.	213.	167.	152.	127.	130.	131.
10 1 42	147.	170.	166.	159.	147.	242.	246.	210.	171.	158.	125.	130.	130.
10 1 42	146.	167.	162.	151.	143.	247.	235.	219.	177.	164.	124.	132.	133.
10 1 47	139.	168.	164.	154.	142.	244.	250.	213.	169.	156.	127.	131.	126.
10 1 52	138.	169.	162.	155.	144.	243.	250.	213.	166.	156.	126.	131.	127.
10 1 57	145.	165.	154.	143.	153.	248.	224.	227.	180.	171.	123.	134.	132.
10 2 2	143.	161.	153.	148.	145.	247.	223.	229.	179.	168.	123.	134.	132.
10 2 7	128.	155.	145.	134.	142.	235.	230.	228.	166.	156.	127.	132.	129.
10 2 13	130.	152.	146.	136.	141.	232.	230.	227.	168.	159.	126.	131.	129.
10 2 18	126.	151.	149.	133.	132.	230.	230.	234.	171.	153.	127.	130.	130.
10 2 23	132.	158.	154.	143.	136.	236.	243.	224.	166.	152.	126.	130.	129.
10 2 28	143.	167.	155.	139.	152.	259.	225.	216.	165.	152.	127.	131.	133.
10 2 33	137.	163.	155.	141.	141.	247.	236.	219.	166.	151.	126.	130.	132.
10 2 38	152.	169.	167.	156.	147.	248.	260.	217.	177.	166.	125.	132.	133.
10 2 43	143.	162.	157.	146.	144.	239.	257.	227.	174.	163.	125.	132.	132.
10 42 48	132.	155.	150.	139.	136.	224.	253.	232.	164.	152.	125.	131.	126.
10 2 53	133.	151.	150.	139.	137.	224.	259.	233.	168.	159.	126.	132.	128.
10 2 58	134.	147.	150.	138.	141.	224.	255.	235.	174.	165.	126.	132.	132.
10 3 3	136.	151.	155.	140.	142.	224.	264.	232.	168.	158.	126.	132.	130.
10 43 8	133.	154.	154.	139.	140.	221.	265.	231.	161.	150.	128.	128.	128.
10 3 13	141.	161.	161.	144.	149.	237.	267.	226.	165.	155.	126.	130.	130.
10 3 18	131.	152.	151.	132.	142.	228.	263.	224.	172.	160.	126.	133.	134.
10 3 23	137.	157.	160.	140.	141.	233.	260.	225.	169.	155.	126.	131.	132.
10 3 28	145.	163.	169.	149.	143.	239.	259.	221.	165.	154.	124.	128.	130.
10 3 33	146.	166.	170.	151.	144.	239.	255.	221.	163.	152.	125.	129.	132.
10 3 38	138.	160.	163.	141.	138.	224.	244.	230.	161.	152.	127.	130.	127.
10 43 48	141.	160.	161.	138.	142.	231.	238.	230.	170.	161.	126.	132.	130.
10 3 53	149.	172.	175.	149.	148.	240.	245.	236.	185.	149.	125.	136.	133.
10 3 58	147.	166.	171.	145.	144.	239.	242.	232.	178.	156.	125.	134.	132.
10 4 3	141.	160.	168.	142.	150.	239.	240.	230.	172.	167.	125.	132.	132.
10 4 8	143.	159.	168.	144.	151.	237.	239.	233.	173.	168.	125.	132.	132.
10 4 8	147.	158.	172.	147.	154.	234.	240.	232.	173.	167.	124.	132.	131.

C COMMUTATOR

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/4	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
8 57 9	119.	.536	125.	125.	124.	126.	2.989	27.69	78354.	58.	86.	0.	0.
8 57 14	118.	-.147	125.	126.	124.	126.	2.985	28.04	77980.	58.	57.	1.	1.
8 57 19	119.	-.098	128.	125.	124.	124.	2.996	28.76	78280.	107.	100.	1.	-1.
8 57 24	119.	-.171	127.	126.	124.	125.	2.992	28.79	78018.	107.	71.	2.	-1.
8 57 29	119.	-.880	127.	126.	124.	126.	2.993	28.33	78280.	78.	108.	0.	0.
8 57 42	119.	-.831	126.	126.	124.	126.	2.994	28.12	78018.	92.	135.	1.	-2.
8 57 39	119.	-.196	126.	126.	124.	125.	2.972	28.82	78280.	29.	114.	1.	1.
8 57 49	118.	-.464	126.	126.	124.	126.	2.976	28.71	78242.	39.	121.	1.	0.
8 57 54	118.	.293	125.	126.	123.	127.	2.983	29.19	77681.	58.	-14.	1.	0.
8 57 59	119.	-.049	127.	126.	123.	126.	2.989	28.98	78055.	78.	64.	0.	-1.
8 58 4	118.	.147	126.	125.	123.	126.	2.993	28.92	77756.	49.	114.	1.	-3.
8 58 9	118.	-.244	126.	126.	123.	126.	2.986	28.71	78055.	19.	107.	1.	-1.
8 58 9	119.	.880	124.	126.	124.	124.	2.993	28.01	77756.	10.	14.	2.	-2.
8 58 14	119.	.269	125.	126.	124.	125.	2.989	27.66	78055.	54.	86.	1.	0.
8 58 19	119.	.049	126.	126.	124.	127.	2.982	29.62	78504.	29.	57.	1.	1.
8 58 24	119.	-.147	126.	128.	124.	126.	2.970	29.22	78205.	54.	121.	0.	-0.
8 58 29	119.	.196	125.	127.	124.	125.	2.996	29.09	77906.	39.	114.	1.	-1.
8 58 34	119.	-.244	126.	127.	125.	126.	2.984	29.11	77906.	49.	78.	1.	1.
8 58 40	116.	.147	125.	125.	123.	124.	2.996	27.90	77831.	39.	-14.	1.	-1.
8 58 45	118.	-.122	126.	126.	124.	120.	2.986	26.83	77943.	34.	21.	2.	-0.
8 58 50	118.	-.631	126.	121.	125.	127.	2.974	28.01	78130.	19.	86.	1.	-5.
8 58 55	119.	-.415	126.	124.	125.	127.	2.974	27.96	78093.	34.	78.	1.	-2.
8 59 0	119.	-.831	125.	127.	124.	126.	2.989	28.86	77906.	126.	86.	-0.	-2.
8 59 5	119.	-.440	125.	126.	124.	126.	2.983	27.15	78055.	83.	50.	0.	-0.
8 59 10	117.	-1.906	116.	126.	123.	125.	2.993	26.83	78579.	78.	143.	-0.	-2.
8 59 15	118.	-1.466	120.	126.	123.	125.	2.987	27.61	78205.	68.	100.	1.	-1.
8 59 20	118.	-.782	126.	127.	124.	130.	2.994	28.98	78280.	107.	171.	0.	-0.
9 10 18	119.	-.587	126.	125.	125.	128.	2.989	28.25	77980.	83.	78.	1.	0.
9 10 23	117.	-.293	126.	127.	124.	126.	2.991	27.20	77906.	29.	71.	1.	-1.
9 10 28	118.	-.342	126.	126.	124.	126.	2.985	26.94	77681.	44.	50.	1.	-1.
9 10 33	119.	-1.173	125.	127.	125.	127.	2.989	27.20	77681.	68.	86.	2.	0.
9 10 38	119.	-1.173	126.	126.	125.	126.	2.988	27.28	77606.	58.	36.	2.	1.
9 10 43	119.	-.880	127.	124.	123.	125.	2.972	27.20	77457.	58.	-14.	-0.	-10.
9 10 53	119.	-.611	126.	126.	125.	125.	2.971	26.64	77793.	83.	64.	0.	-5.
9 10 58	118.	-.293	126.	126.	125.	125.	2.991	27.15	77980.	19.	29.	1.	0.
9 11 3	118.	-.538	126.	126.	125.	126.	2.985	27.15	77531.	58.	57.	1.	-1.
9 11 3	118.	-.244	125.	127.	125.	125.	2.974	27.31	78354.	107.	100.	0.	1.
9 51 8	118.	-.635	126.	126.	124.	123.	2.974	27.20	78055.	97.	143.	1.	1.
9 11 13	119.	-.293	125.	127.	124.	125.	2.983	26.61	78055.	88.	128.	-0.	0.
9 11 23	119.	-.073	125.	126.	123.	125.	2.986	27.15	77980.	73.	71.	1.	-1.
9 11 28	119.	.293	126.	127.	124.	125.	2.972	26.29	77831.	146.	143.	1.	1.
9 11 28	118.	.415	125.	127.	124.	123.	2.977	26.29	77719.	78.	78.	0.	-1.
9 11 33	118.	-.342	126.	123.	123.	127.	3.000	26.34	77606.	78.	71.	0.	-1.
9 11 38	118.	-.171	126.	125.	123.	126.	2.991	26.13	77831.	97.	93.	1.	-2.
9 11 43	119.	.098	126.	127.	125.	126.	2.974	26.88	77831.	68.	114.	-0.	-1.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
9 51 48	119.	-.073	126.	127.	125.	126.	2.975	26.72	77494.	73.	93.	-0.	-3.
9 11 53	117.	.196	126.	126.	123.	125.	2.989	27.04	77906.	68.	86.	2.	-1.
9 51 58	118.	-.049	123.	126.	124.	125.	2.985	27.02	78130.	54.	36.	1.	-0.
9 12 4	118.	.196	127.	126.	124.	127.	2.991	27.37	77980.	107.	143.	0.	-2.
9 12 9	118.	-.122	126.	126.	125.	126.	2.986	27.37	77868.	107.	114.	0.	-2.
9 12 14	117.	-.831	125.	126.	123.	126.	2.987	27.42	77606.	78.	57.	1.	-2.
9 12 19	118.	-1.002	126.	126.	122.	126.	2.984	27.55	77868.	68.	107.	1.	-1.
9 12 24	118.	0.000	126.	127.	125.	126.	2.993	27.10	78205.	97.	43.	-0.	-0.
9 12 29	118.	-.122	126.	126.	125.	126.	2.991	27.07	77943.	92.	78.	-0.	-1.
9 12 34	118.	-.293	125.	122.	125.	125.	2.993	25.75	78130.	58.	57.	3.	1.
9 12 39	118.	0.944	125.	123.	125.	125.	2.983	25.75	77906.	78.	21.	1.	-0.
9 12 44	119.	21.163	130.	127.	125.	126.	2.974	26.99	77531.	29.	1183.	1.	-3.
9 12 49	119.	21.090	126.	127.	125.	126.	2.982	27.04	77793.	97.	1589.	1.	-0.
9 12 54	118.	21.065	125.	127.	130.	125.	2.994	27.31	78354.	407.	2480.	2.	0.
9 12 59	118.	21.579	125.	125.	126.	123.	2.992	26.75	78205.	506.	2495.	2.	0.
9 13 4	119.	21.701	124.	127.	125.	126.	2.943	26.99	78504.	808.	3065.	0.	1.
9 13 9	119.	21.383	125.	126.	124.	128.	2.962	27.12	78242.	949.	3378.	1.	1.
9 13 14	116.	21.554	126.	121.	123.	123.	2.958	27.04	78055.	1586.	4661.	-0.	-4.
9 13 19	116.	22.043	126.	121.	126.	125.	2.965	26.83	77343.	1688.	4975.	0.	-3.
9 13 29	118.	3.812	125.	121.	124.	126.	2.945	26.45	78205.	2306.	6386.	0.	-0.
9 13 34	118.	1.760	125.	124.	124.	127.	2.947	26.85	78205.	2427.	6978.	1.	0.
9 13 39	116.	.381	127.	121.	127.	125.	2.941	26.67	78429.	2958.	7983.	1.	-1.
9 13 39	117.	-.[illegible]	129.	121.	126.	123.	2.919	26.99	78392.	3167.	8681.	1.	-0.
9 13 44	119.	-.391	125.	126.	125.	126.	2.897	26.88	78429.	4115.	10121.	1.	1.
9 13 49	119.	-.513	125.	126.	124.	126.	2.888	26.67	78616.	4115.	10107.	1.	1.
9 13 59	119.	-.049	125.	132.	125.	127.	2.893	26.94	78055.	4038.	10050.	-0.	-2.
9 14 12	118.	-.293	126.	129.	124.	126.	2.892	26.67	78504.	4052.	10036.	0.	-0.
9 14 9	119.	.147	126.	127.	125.	126.	2.893	26.56	78280.	3999.	10007.	-0.	-2.
9 14 9	118.	-.049	126.	127.	125.	126.	2.874	26.85	78541.	4028.	10114.	-0.	-1.
9 14 14	118.	.342	125.	124.	127.	125.	2.884	26.94	78654.	4028.	10164.	0.	0.
9 14 19	118.	.073	123.	125.	125.	125.	2.887	26.53	78654.	4033.	10107.	0.	0.
9 14 24	116.	.147	125.	127.	125.	126.	2.897	26.56	77681.	4057.	10036.	1.	-2.
9 14 29	117.	.073	125.	127.	125.	124.	2.887	26.85	78167.	4033.	10114.	1.	-2.
9 14 34	117.	-1.320	126.	125.	121.	125.	2.882	27.20	78429.	4086.	10192.	-0.	-1.
9 14 40	118.	-.904	126.	126.	123.	126.	2.888	26.99	78616.	4091.	10185.	1.	0.
9 14 45	119.	-.831	124.	127.	125.	126.	2.902	25.97	78803.	4047.	10050.	2.	-0.
9 14 50	118.	-.513	125.	126.	125.	126.	2.901	26.51	78691.	4018.	10071.	2.	-0.
9 14 55	118.	.098	127.	128.	124.	125.	2.893	27.47	79102.	4115.	10192.	1.	0.
9 15 0	118.	.073	121.	127.	124.	125.	2.887	27.39	78878.	4081.	10192.	1.	-0.
9 15 5	120.	-.929	125.	127.	125.	127.	2.904	26.72	78354.	3999.	10121.	2.	1.
9 15 10	120.	-1.197	126.	127.	125.	124.	2.904	27.15	78579.	4057.	10114.	2.	1.
9 15 15	120.	.929	125.	126.	123.	126.	2.868	26.45	77681.	4145.	10135.	1.	-2.
9 15 20	120.	.220	128.	126.	124.	126.	2.886	26.53	78130.	4130.	10135.	0.	-1.
9 15 25	120.	-.733	125.	125.	124.	125.	2.893	27.31	78205.	4047.	10093.	0.	-1.
9 15 30	120.	-.733	126.	126.	123.	125.	2.886	26.48	78579.	4081.	10121.	1.	-0.
9 15 35	118.	-.098	127.	126.	124.	128.	2.897	27.04	78654.	4115.	10192.	1.	-1.
9 15 40	118.	-.244	127.	126.	125.	127.	2.891	27.58	78167.	4072.	10192.	1.	-1.
9 15 45	118.	-.831	127.	128.	124.	127.	2.878	28.49	77681.	4008.	10164.	1.	-10.
9 15 50	119.	-.440	127.	128.	125.	127.	2.889	28.28	78167.	4047.	10143.	2.	-5.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/4	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
9 15 55	122.	-.342	126.	128.	125.	127.	2.869	27.31	79327.	4349.	10592.	1.	-1.
9 16 5	120.	-.171	126.	127.	124.	127.	2.847	27.45	79065.	4466.	10713.	1.	-1.
9 16 10	117.	-.098	125.	125.	125.	124.	2.840	28.06	79327.	4884.	11347.	1.	0.
9 16 10	118.	-.269	125.	126.	125.	125.	2.835	28.09	79589.	5011.	11454.	1.	1.
9 16 15	123.	-.929	123.	123.	123.	125.	2.812	28.44	79776.	5283.	11789.	1.	3.
9 16 20	121.	-.073	124.	125.	125.	127.	2.797	27.96	79476.	5448.	11853.	1.	1.
9 16 25	121.	.196	121.	127.	123.	125.	2.775	27.96	79252.	5653.	12088.	1.	-1.
9 16 35	119.	0.000	123.	127.	122.	125.	2.778	27.77	79551.	5799.	12224.	1.	-1.
9 16 40	121.	.049	125.	124.	123.	116.	2.757	28.23	88888.	5945.	12545.	2.	2.
9 16 45	122.	0.000	126.	125.	125.	121.	2.756	28.17	79626.	5949.	12466.	1.	1.
9 16 45	119.	-.880	125.	127.	126.	128.	2.759	28.82	79781.	5974.	12473.	1.	2.
9 16 50	119.	-.489	125.	127.	125.	127.	2.759	28.49	79476.	5969.	12423.	1.	0.
9 16 55	121.	-.293	124.	124.	123.	123.	2.751	27.90	79252.	5954.	12430.	0.	-1.
9 17 0	121.	-.196	126.	126.	123.	125.	2.752	27.80	79402.	5945.	12423.	1.	0.
9 17 5	121.	-1.369	123.	125.	125.	121.	2.746	28.81	79781.	6003.	12502.	-0.	0.
9 17 10	119.	-.635	125.	125.	124.	124.	2.753	27.93	79569.	6013.	12516.	1.	-0.
9 17 16	121.	-.049	116.	127.	125.	126.	2.749	27.96	238.	6022.	12402.	2.	1.
9 17 21	122.	-.244	121.	127.	125.	123.	2.751	27.72	159.	6037.	12473.	2.	1.
9 17 26	118.	-.489	124.	123.	124.	123.	2.744	27.53	79102.	5954.	12382.	1.	-3.
9 17 31	119.	-.635	125.	119.	125.	125.	2.750	28.04	79551.	5979.	12489.	1.	-0.
9 17 36	119.	-.684	124.	129.	123.	124.	2.753	27.74	79102.	5954.	12487.	1.	-5.
9 17 41	120.	-.538	124.	127.	122.	123.	2.754	28.23	79439.	5979.	12452.	1.	-2.
9 17 46	121.	.293	127.	127.	116.	125.	2.742	27.58	79402.	5945.	12459.	0.	-5.
9 17 51	121.	.147	127.	127.	120.	126.	2.746	27.63	79626.	5945.	12416.	1.	-3.
9 17 56	122.	0.000	125.	127.	124.	125.	2.737	27.90	88888.	5915.	12416.	3.	1.
9 18 1	120.	-.147	124.	126.	123.	125.	2.748	28.81	79439.	5959.	12331.	0.	0.
9 18 6	123.	.440	124.	124.	125.	123.	2.753	27.53	79551.	6042.	12416.	1.	-1.
9 18 11	122.	.440	125.	125.	126.	125.	2.756	27.85	79781.	6008.	12466.	1.	1.
9 18 16	125.	-.635	125.	123.	121.	125.	2.751	28.06	79476.	6013.	12438.	1.	1.
9 18 21	121.	-.342	124.	124.	122.	124.	2.753	27.93	79551.	6008.	12459.	2.	1.
9 18 26	121.	-.098	125.	123.	122.	125.	2.749	28.28	79.	6022.	12530.	0.	0.
9 18 31	122.	-.489	125.	127.	124.	125.	2.753	28.15	79.	6032.	12509.	1.	1.
9 18 41	122.	0.000	123.	124.	124.	123.	2.737	27.63	79327.	5974.	12416.	-0.	-1.
9 18 41	120.	-.293	125.	125.	124.	125.	2.741	27.12	79140.	5969.	12438.	-0.	-2.
9 18 46	120.	-.342	124.	125.	116.	125.	2.737	27.74	79476.	5915.	12388.	1.	0.
9 18 51	121.	-.562	125.	126.	120.	123.	2.747	27.69	79626.	5925.	12395.	1.	-1.
9 18 56	126.	-.391	127.	128.	127.	127.	2.749	27.96	79402.	6022.	12416.	1.	-1.
9 19 1	123.	-.196	126.	128.	126.	127.	2.753	28.04	79663.	6032.	12459.	2.	-1.
9 19 11	123.	-1.026	126.	127.	125.	125.	2.759	28.44	79925.	5954.	12473.	1.	0.
9 19 16	123.	-.684	127.	128.	126.	126.	2.756	28.44	79663.	5940.	12445.	1.	-0.
9 19 21	122.	-.440	121.	125.	123.	123.	2.755	28.17	79551.	5993.	12459.	1.	1.
9 19 26	123.	-.049	123.	125.	124.	124.	2.752	27.93	79514.	6022.	12502.	1.	0.
9 19 26	122.	-1.515	125.	125.	123.	125.	2.761	28.23	79551.	5925.	12416.	2.	2.
9 19 31	121.	-1.369	125.	125.	122.	123.	2.759	28.06	39895.	5940.	12452.	2.	1.
9 19 36	123.	-.244	122.	124.	123.	124.	2.746	28.06	79402.	5935.	12445.	1.	-2.
9 19 41	123.	-.538	125.	126.	124.	125.	2.748	27.74	79439.	5925.	12423.	1.	-1.
9 19 46	123.	-.391	126.	127.	125.	126.	2.757	28.44	238.	6013.	12502.	1.	1.
9 19 59	122.	-.293	126.	126.	125.	126.	2.754	28.23	40007.	6018.	12502.	2.	1.
9 19 57	117.	-1.124	116.	125.	122.	125.	2.707	28.28	79781.	5993.	12473.	2.	1.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/4	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
9 20 2	120.	-.782	120.	126.	122.	125.	2.737	27.88	79850.	5940.	12452.	2.	-0.
9 20 7	118.	-.978	125.	128.	123.	126.	2.757	27.74	79476.	5964.	12459.	3.	2.
9 20 12	121.	-1.051	123.	128.	125.	126.	2.761	27.96	39857.	5935.	12487.	2.	1.
9 20 17	122.	1.075	123.	125.	123.	127.	2.751	28.49	79701.	6071.	12487.	1.	0.
9 20 22	123.	.513	125.	126.	125.	127.	2.752	28.25	39890.	6037.	12523.	1.	1.
9 20 27	123.	-.831	128.	128.	125.	128.	2.766	28.39	79626.	5915.	12487.	2.	0.
9 20 32	123.	-.440	127.	131.	125.	127.	2.761	28.47	79551.	6003.	12516.	2.	0.
9 20 37	123.	-.880	128.	128.	127.	128.	2.742	26.88	79402.	5915.	12345.	-1.	-0.
9 20 42	120.	-.929	126.	127.	125.	127.	2.746	27.20	79551.	5881.	12345.	-0.	-2.
9 20 47	127.	.196	127.	127.	126.	126.	2.749	27.53	79551.	5974.	12359.	1.	-1.
9 20 52	124.	-.538	124.	126.	124.	126.	2.755	27.58	39855.	6003.	12423.	2.	1.
9 20 57	128.	-.635	128.	128.	128.	128.	2.753	28.01	79402.	5935.	12402.	1.	0.
9 21 2	126.	-1.051	127.	127.	127.	127.	2.753	27.74	79140.	5925.	12409.	1.	-1.
9 21 7	123.	-.049	128.	128.	128.	126.	2.744	27.53	79177.	6032.	12430.	-0.	-2.
9 21 17	123.	-.171	129.	128.	127.	126.	2.757	27.88	79439.	6047.	12438.	1.	0.
9 21 17	121.	-.049	124.	127.	121.	125.	2.742	27.58	78878.	5915.	12345.	-0.	1.
9 21 22	121.	-.464	124.	125.	123.	124.	2.747	27.63	78990.	5945.	12381.	0.	-0.
9 21 27	123.	-.733	132.	128.	126.	127.	2.737	27.69	79776.	5983.	12459.	2.	1.
9 21 32	124.	-.391	129.	126.	125.	125.	2.744	27.90	79476.	5979.	12445.	2.	1.
9 21 37	119.	.196	125.	125.	124.	127.	2.759	28.17	79626.	5983.	12473.	1.	1.
9 61 47	119.	-.196	125.	124.	123.	126.	2.771	28.04	79663.	5925.	12373.	2.	1.
9 21 52	121.	-.391	126.	125.	122.	123.	2.812	26.88	77681.	5448.	11889.	1.	1.
9 21 57	122.	-.244	125.	126.	124.	125.	2.818	27.20	78317.	5273.	11718.	1.	0.
9 22 2	123.	-.391	128.	129.	126.	128.	2.827	27.31	79252.	5166.	11575.	1.	0.
9 22 2	125.	-.391	127.	128.	125.	127.	2.830	27.55	79177.	5161.	11604.	1.	1.
9 22 7	121.	-1.662	123.	125.	125.	125.	2.821	27.90	78803.	5098.	11461.	1.	-2.
9 22 12	122.	-1.100	124.	125.	124.	125.	2.808	27.47	78990.	5074.	11475.	1.	-1.
9 22 17	121.	-.978	127.	127.	125.	126.	2.832	28.23	79402.	5127.	11604.	1.	0.
9 22 22	122.	-1.002	126.	126.	122.	127.	2.838	28.15	79514.	5103.	11646.	1.	1.
9 22 35	119.	.196	127.	127.	124.	125.	2.816	27.69	78878.	5118.	11561.	0.	-1.
9 22 33	120.	.171	126.	126.	124.	127.	2.820	27.66	78878.	5147.	11561.	-0.	-1.
9 22 38	123.	-1.124	124.	126.	123.	122.	2.827	27.53	78878.	5137.	11604.	2.	2.
9 22 43	122.	-.684	126.	126.	123.	124.	2.828	27.58	78728.	5127.	11540.	2.	1.
9 62 48	121.	-.831	125.	123.	124.	125.	2.803	27.96	78654.	5040.	11390.	0.	-0.
9 22 53	122.	-.562	126.	125.	125.	127.	2.819	28.06	79177.	5045.	11468.	1.	0.
9 22 58	124.	.342	127.	127.	121.	128.	2.818	27.85	78953.	5166.	11575.	1.	1.
9 23 3	124.	-.293	127.	127.	124.	127.	2.824	28.04	79102.	5113.	11497.	1.	1.
9 63 8	125.	-.635	128.	128.	127.	127.	2.827	28.06	79028.	5040.	11490.	1.	0.
9 23 13	124.	-.684	126.	126.	123.	123.	2.831	27.96	79215.	5059.	11490.	1.	2.
9 23 18	128.	-.342	128.	127.	128.	126.	2.823	27.26	78953.	5049.	11461.	1.	-1.
9 23 23	125.	-.391	126.	127.	122.	125.	2.825	27.63	79102.	5054.	11460.	2.	-0.
9 23 28	120.	0.000	125.	126.	128.	125.	2.819	27.63	78953.	5098.	11646.	0.	-1.
9 23 33	121.	-.489	125.	126.	126.	125.	2.822	27.61	78953.	5064.	11532.	1.	-1.
9 23 38	119.	.098	125.	125.	123.	125.	2.832	27.80	79551.	5147.	11547.	2.	1.
9 23 43	120.	-.220	124.	126.	123.	125.	2.836	27.85	79551.	5156.	11547.	2.	0.
9 63 48	123.	-.635	128.	129.	128.	126.	2.825	28.28	79551.	5127.	11490.	1.	-2.
9 23 53	121.	-.293	127.	127.	126.	126.	2.826	28.17	79439.	5152.	11525.	1.	1.
9 23 58	122.	.098	125.	125.	123.	121.	2.834	27.90	79551.	5088.	11604.	1.	-5.
9 24 3	123.	.024	127.	127.	125.	123.	2.832	28.06	79364.	5108.	11589.	1.	-2.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/4	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
9 24 0	123.	.147	124.	126.	118.	124.	2.832	28.28	79551.	5127.	11589.	1.	4.
9 24 13	121.	-.098	125.	126.	122.	128.	2.822	27.96	79177.	5122.	11611.	1.	2.
9 24 23	123.	-.978	127.	123.	121.	125.	2.834	27.88	79252.	5059.	11618.	2.	2.
9 24 23	122.	-1.026	126.	124.	123.	126.	2.862	27.88	78878.	4831.	10962.	1.	1.
9 28 16	126.	.293	128.	126.	128.	127.	2.897	28.06	79252.	4057.	10121.	1.	3.
9 28 21	124.	.415	127.	126.	126.	126.	2.890	27.96	79028.	4091.	10164.	2.	2.
9 28 34	123.	.293	116.	124.	125.	127.	2.902	28.23	79102.	4057.	10078.	2.	1.
9 28 31	123.	-.171	120.	124.	125.	125.	2.891	28.09	78990.	4033.	10036.	1.	1.
9 28 36	122.	-.782	127.	127.	125.	126.	2.895	28.12	78654.	4028.	10036.	2.	1.
9 28 41	123.	-.318	127.	128.	126.	127.	2.898	28.15	78915.	4042.	10057.	2.	1.
9 28 46	127.	-.293	127.	128.	125.	126.	2.893	27.85	78354.	3979.	10036.	0.	-2.
9 28 56	125.	-.831	126.	122.	126.	121.	2.887	27.74	78517.	3984.	10014.	-0.	-2.
9 29 1	121.	-.635	127.	127.	126.	127.	2.882	27.47	78504.	4030.	9950.	-0.	-2.
9 29 6	123.	-1.026	127.	127.	126.	127.	2.888	27.66	78616.	4018.	9979.	0.	-1.
9 29 11	124.	-.489	127.	128.	126.	128.	2.886	27.53	78130.	3970.	9950.	0.	-3.
9 29 16	120.	-.244	127.	128.	127.	128.	2.884	27.96	78429.	3968.	9950.	1.	-2.
9 29 16	124.	-.635	130.	127.	127.	127.	2.888	27.85	78579.	3970.	9979.	1.	0.
9 29 21	124.	-.269	125.	127.	126.	127.	2.889	27.66	78616.	3984.	10007.	1.	0.
9 29 26	124.	.538	128.	128.	125.	128.	2.899	28.06	78953.	4047.	10170.	1.	4.
9 29 31	124.	.073	127.	128.	125.	127.	2.897	28.04	78953.	4052.	10185.	2.	3.
9 29 36	124.	-.391	128.	127.	126.	128.	2.889	28.06	78654.	4008.	9936.	0.	1.
9 29 41	121.	-.293	127.	127.	126.	127.	2.887	27.98	78579.	4018.	9985.	1.	-0.
9 29 47	123.	-.782	131.	125.	125.	127.	2.891	27.90	78429.	3989.	9979.	-0.	-1.
9 29 52	124.	-.244	129.	126.	125.	127.	2.896	28.44	78803.	3999.	10020.	1.	0.
9 29 65	122.	-.098	126.	126.	124.	125.	2.889	27.90	77980.	3960.	9922.	1.	-3.
9 30 2	124.	.489	126.	126.	125.	126.	2.897	27.90	78541.	4028.	10007.	2.	-1.
9 30 7	124.	.538	125.	126.	127.	125.	2.889	28.06	79177.	4018.	10021.	1.	1.
9 30 12	123.	.269	126.	126.	127.	126.	2.889	27.80	78841.	4030.	10086.	1.	1.
9 30 17	125.	-.635	127.	128.	125.	127.	2.901	28.17	79028.	4028.	10192.	1.	1.
9 30 22	124.	-.171	127.	128.	126.	127.	2.900	28.33	78990.	4028.	10128.	1.	1.
9 30 27	126.	0.000	127.	127.	130.	127.	2.886	28.12	78878.	4030.	10036.	1.	4.
9 30 32	125.	0.000	125.	126.	123.	127.	2.891	28.01	78915.	4057.	10057.	1.	3.
9 30 37	123.	0.000	116.	126.	116.	124.	2.895	28.39	78953.	4057.	10078.	3.	1.
9 30 42	123.	.122	121.	126.	121.	126.	2.890	28.12	78915.	4033.	10128.	2.	-0.
9 30 47	123.	-.391	116.	125.	116.	126.	2.889	27.90	78280.	3999.	9850.	-0.	-2.
9 30 52	122.	-.318	121.	126.	120.	126.	2.889	28.01	78541.	4033.	9964.	0.	-1.
9 30 57	125.	-.440	127.	124.	125.	122.	2.893	27.74	78654.	4008.	10007.	1.	-5.
9 31 2	126.	-.367	127.	125.	127.	124.	2.889	27.90	78766.	4028.	10078.	2.	-3.
9 31 7	123.	-.831	123.	126.	123.	124.	2.897	28.12	79102.	4028.	10050.	1.	-2.
9 31 12	122.	-.342	125.	126.	124.	125.	2.896	28.20	78990.	4052.	10057.	1.	-0.
9 31 17	124.	-.098	126.	125.	126.	125.	2.888	27.53	78354.	3989.	9964.	0.	-3.
9 31 22	124.	-.513	127.	127.	127.	126.	2.890	27.61	78280.	3989.	9971.	0.	-3.
9 71 32	124.	-.831	128.	130.	129.	127.	2.893	28.01	79028.	4030.	10064.	2.	-1.
9 31 37	122.	-.269	128.	128.	127.	126.	2.889	27.90	79065.	4047.	10071.	2.	-3.
9 31 42	121.	-.196	127.	127.	127.	126.	2.891	27.96	78280.	3979.	9979.	1.	-3.
9 31 47	123.	-.147	127.	127.	127.	126.	2.891	27.82	78654.	4047.	10050.	1.	-3.
9 31 52	125.	-.147	127.	128.	127.	121.	2.884	27.85	78654.	4077.	10192.	1.	0.
9 31 57	124.	-.122	126.	125.	127.	124.	2.885	27.85	78803.	4145.	10192.	1.	1.
9 31 57	121.	-.049	127.	128.	126.	130.	2.893	28.28	79028.	4077.	10264.	3.	1.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/4	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
9 32 2	122.	-.513	126.	127.	126.	128.	2.888	27.93	78616.	4096.	10150.	1.	-0.
9 32 7	125.	-1.222	128.	128.	127.	127.	2.886	27.69	78878.	4115.	10150.	1.	0.
9 32 12	127.	-.415	128.	128.	127.	127.	2.898	27.55	78803.	4135.	10207.	2.	-0.
9 32 17	125.	-.733	128.	130.	126.	128.	2.897	27.85	78280.	4038.	10164.	0.	-2.
9 32 22	120.	-.220	128.	129.	127.	127.	2.894	27.85	78728.	4091.	10185.	1.	-0.
9 32 28	129.	-.293	128.	128.	127.	129.	2.884	27.69	78354.	4154.	10093.	0.	0.
9 32 33	127.	.147	128.	127.	126.	126.	2.881	27.88	78541.	4138.	10178.	1.	-0.
9 32 38	124.	-.587	128.	129.	127.	128.	2.878	27.63	78728.	4164.	10021.	2.	0.
9 32 43	126.	-.660	127.	128.	126.	127.	2.889	27.50	78654.	4148.	10043.	2.	-1.
9 72 48	125.	-.782	128.	124.	125.	123.	2.873	27.53	78280.	4135.	10121.	1.	-1.
9 32 53	124.	-1.222	128.	126.	126.	126.	2.887	27.74	78317.	4140.	10164.	1.	-1.
9 32 58	123.	.196	126.	128.	126.	127.	2.882	27.42	78654.	4164.	10150.	-0.	-2.
9 33 3	124.	.293	130.	128.	127.	127.	2.889	27.90	78915.	4179.	10235.	0.	-1.
9 73 8	125.	-1.124	128.	126.	127.	126.	2.889	28.01	78504.	4106.	10021.	1.	-2.
9 33 13	123.	-.611	127.	127.	125.	126.	2.884	27.88	78803.	4145.	10100.	1.	-1.
9 33 18	124.	.244	123.	127.	125.	125.	2.886	28.06	79177.	4077.	10178.	2.	-0.
9 33 23	123.	.293	125.	128.	125.	126.	2.888	28.09	79102.	4120.	10171.	2.	-0.
9 33 28	124.	-1.417	127.	128.	127.	126.	2.889	27.69	78280.	4077.	10178.	1.	-0.
9 33 33	125.	-.758	127.	128.	126.	127.	2.890	27.61	78467.	4111.	10178.	2.	1.
9 33 38	121.	.293	128.	128.	127.	129.	2.884	27.30	78354.	4115.	10235.	1.	-2.
9 33 43	123.	.049	128.	128.	130.	129.	2.892	28.04	78504.	4150.	10128.	1.	-1.
9 73 48	124.	-.196	127.	127.	126.	127.	2.897	27.63	78878.	4164.	10164.	2.	-1.
9 33 53	122.	-.391	127.	126.	125.	127.	2.895	27.47	78504.	4115.	10093.	1.	-2.
9 33 58	125.	-.684	130.	132.	126.	128.	2.886	27.04	78504.	4164.	10107.	0.	-2.
9 34 8	124.	-.660	129.	132.	126.	127.	2.891	27.37	78467.	4135.	10064.	1.	-1.
9 34 13	125.	-.831	127.	128.	126.	126.	2.882	27.15	78654.	4047.	10192.	0.	-2.
9 34 18	125.	-.758	127.	127.	126.	121.	2.897	27.39	78654.	4072.	10192.	1.	-1.
9 34 23	123.	-.538	126.	125.	125.	128.	2.895	27.74	78280.	4077.	10064.	0.	-1.
9 34 28	125.	-.147	126.	126.	124.	127.	2.898	27.93	78654.	4140.	10171.	-0.	0.
9 34 33	123.	-.293	127.	128.	126.	127.	2.891	27.47	78504.	4125.	10064.	1.	-1.
9 34 38	124.	-.367	127.	127.	126.	127.	2.885	27.34	78579.	4096.	10064.	0.	0.
9 34 43	127.	-1.613	127.	128.	127.	126.	2.893	27.90	79102.	4047.	10064.	1.	1.
9 34 48	127.	-1.369	128.	129.	127.	126.	2.898	28.12	78728.	4004.	9957.	1.	-0.
9 34 53	125.	-.049	127.	127.	127.	127.	2.897	27.85	79102.	4028.	10150.	1.	1.
9 34 58	123.	-.269	126.	127.	127.	127.	2.896	27.66	78691.	3999.	10057.	1.	0.
9 35 4	128.	-.782	127.	128.	127.	128.	2.897	27.96	79177.	4047.	10036.	1.	4.
9 35 9	127.	-.367	126.	127.	125.	126.	2.895	28.09	79177.	4008.	10021.	2.	2.
9 35 14	125.	-.733	132.	130.	116.	128.	2.901	28.39	78205.	3921.	9936.	1.	-1.
9 35 19	124.	-.806	126.	127.	121.	125.	2.900	28.28	78280.	3921.	9957.	1.	-1.
9 35 24	123.	-.098	126.	121.	125.	126.	2.899	28.60	78130.	3921.	9893.	0.	-1.
9 35 29	124.	.171	127.	123.	125.	126.	2.891	28.15	78504.	3921.	9914.	0.	-1.
9 35 34	124.	-.196	128.	128.	127.	129.	2.893	27.04	78280.	3960.	9893.	-0.	-2.
9 35 39	124.	-.171	126.	126.	125.	127.	2.893	27.34	78654.	3984.	9950.	1.	-1.
9 35 44	124.	-.587	125.	123.	125.	126.	2.893	28.49	79102.	3979.	9979.	1.	2.
9 35 49	124.	-.293	123.	123.	125.	125.	2.891	28.09	79177.	4008.	9914.	1.	2.
9 35 54	126.	-.196	128.	128.	126.	127.	2.889	27.04	78579.	4028.	9808.	1.	-2.
9 35 59	127.	-.391	127.	127.	126.	127.	2.897	27.28	78429.	3974.	9743.	1.	-2.
9 36 4	126.	0.000	126.	130.	127.	129.	2.902	27.10	78130.	3911.	9865.	-1.	-3.
	125.	-.196	126.	128.	127.	128.	2.897	27.04	78504.	3940.	9893.	0.	-2.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOJT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/4	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	GS 5 ATTD PITCH	GS 6 ATTD ROLL
15													
9 36 9	129.	-.587	130.	126.	127.	116.	2.897	27.69	78285.	3950.	9879.	1.	-1.
9 36 14	129.	-.293	129.	127.	127.	121.	2.891	27.72	78584.	3974.	9922.	1.	-2.
9 36 19	126.	-.342	129.	132.	129.	128.	2.893	28.60	78953.	3970.	9979.	-0.	1.
9 36 24	125.	-.415	127.	129.	127.	127.	2.892	28.31	78953.	3965.	9922.	0.	-0.
9 36 29	116.	-.782	128.	129.	127.	128.	2.882	27.98	78579.	4088.	9993.	0.	0.
9 36 34	122.	-.196	127.	128.	127.	128.	2.885	27.72	78579.	3950.	9943.	0.	0.
9 36 44	127.	-.684	129.	130.	127.	126.	2.908	28.44	78803.	3911.	9858.	1.	-0.
9 36 49	127.	-.464	129.	129.	127.	126.	2.895	27.88	78541.	3955.	9879.	1.	-1.
9 36 54	125.	-.684	126.	124.	127.	125.	2.899	27.88	78654.	3911.	9893.	2.	1.
9 36 59	124.	-.831	126.	125.	127.	126.	2.901	27.63	78541.	3911.	9943.	2.	0.
9 37 4	124.	-.831	128.	123.	121.	125.	2.893	27.53	78584.	3921.	9893.	0.	0.
9 37 9	122.	-1.173	127.	125.	124.	126.	2.891	27.69	78654.	3960.	9936.	1.	1.
9 37 9	126.	-.635	131.	132.	127.	129.	2.895	27.85	78803.	3989.	9979.	2.	1.
9 37 14	126.	-.171	130.	132.	128.	131.	2.894	27.88	78728.	3970.	9943.	1.	-1.
9 37 19	126.	-.391	131.	131.	127.	130.	2.886	27.47	78878.	3999.	9979.	3.	3.
9 37 24	125.	-.538	128.	129.	126.	127.	2.536	27.88	78766.	3916.	9936.	2.	2.
9 37 29	123.	-.196	125.	125.	124.	125.	2.888	26.95	78803.	4008.	9936.	0.	-2.
9 77 34	125.	0.000	125.	124.	125.	126.	2.888	27.34	78728.	3999.	9908.	0.	-2.
9 37 40	123.	.440	127.	125.	126.	127.	2.849	28.12	78953.	4689.	11805.	2.	-1.
9 37 45	120.	-.024	126.	126.	125.	127.	2.560	28.23	78766.	4537.	10691.	2.	0.
9 37 50	126.	0.000	127.	121.	125.	124.	2.853	27.31	78878.	4349.	10862.	1.	-2.
9 37 55	125.	-.098	127.	123.	125.	125.	2.860	27.34	78766.	4471.	10827.	1.	-1.
9 38 0	128.	-.782	129.	128.	127.	127.	2.864	27.53	78429.	4602.	10834.	2.	-1.
9 38 5	127.	-.782	129.	129.	128.	127.	2.866	27.72	78584.	4537.	10805.	2.	-1.
9 38 10	122.	-1.662	118.	126.	124.	124.	2.556	27.63	78728.	4582.	10848.	3.	1.
9 38 15	124.	-1.124	121.	125.	125.	125.	2.859	27.63	78915.	4597.	10905.	2.	2.
9 38 20	127.	-.782	130.	132.	128.	127.	2.858	28.82	78654.	4612.	10592.	2.	-1.
9 38 25	127.	-.318	129.	132.	129.	127.	2.855	28.55	79102.	4646.	10728.	1.	-1.
9 38 30	122.	-.440	128.	128.	128.	127.	2.854	28.28	78803.	4668.	10834.	1.	1.
9 38 35	123.	.171	127.	127.	125.	126.	2.857	27.69	78953.	4655.	10798.	1.	0.
9 38 40	127.	-.244	129.	128.	126.	128.	2.853	27.31	78953.	4602.	10877.	0.	0.
9 38 45	126.	-.709	128.	127.	126.	127.	2.859	27.82	79028.	4587.	10884.	1.	1.
9 38 50	121.	-1.173	127.	127.	126.	126.	2.858	27.53	79102.	4592.	10891.	3.	1.
9 38 55	123.	-.806	128.	127.	127.	128.	2.560	27.93	79252.	4573.	10884.	2.	1.
9 39 0	124.	-.049	125.	127.	125.	125.	2.853	27.74	79551.	4585.	11048.	1.	-2.
9 39 5	126.	-.024	127.	127.	126.	126.	2.851	27.72	79364.	4587.	10976.	1.	-1.
9 39 10	121.	.440	126.	127.	115.	127.	2.862	27.42	78654.	4641.	10885.	1.	-2.
9 39 28	124.	.635	128.	128.	122.	129.	2.858	27.66	78953.	4621.	10848.	1.	-2.
9 39 20	121.	-.293	125.	126.	125.	126.	2.862	28.23	78803.	4544.	10891.	1.	-3.
9 47 6	126.	-.342	127.	127.	127.	128.	2.866	28.25	78878.	4560.	12737.	1.	-2.
9 47 11	125.	.489	129.	131.	127.	128.	2.856	27.96	78579.	4573.	10763.	3.	1.
9 47 16	126.	.196	128.	128.	124.	128.	2.862	28.84	78878.	4597.	10855.	1.	0.
9 48 25	122.	-.782	125.	125.	125.	125.	2.854	28.28	79327.	4612.	10706.	1.	2.
9 48 30	124.	-.611	127.	129.	128.	126.	2.859	28.25	79289.	4592.	10870.	1.	1.
9 48 35	127.	-.049	129.	132.	130.	128.	2.871	27.96	79177.	4631.	10877.	0.	0.
10 0 22	127.	-.660	128.	129.	128.	128.	2.872	28.15	79102.	4621.	10912.	1.	1.
10 0 27	130.	-.342	128.	128.	128.	130.	2.827	28.23	79402.	5011.	11390.	1.	-0.
10 0 32	128.	-.196	128.	128.	128.	129.	2.882	28.86	79589.	5302.	11703.	2.	1.
10 0 37	124.	-.587	132.	127.	128.	129.	2.764	28.23	79402.	5789.	12416.	2.	0.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/4	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
10 0 42	125.	-.342	132.	129.	128.	130.	2.762	28.28	79476.	5838.	12373.	2.	-0.
10 0 47	125.	-1.466	129.	129.	127.	127.	2.766	27.58	79252.	5896.	12359.	3.	4.
10 0 52	126.	-.391	130.	131.	127.	129.	2.770	27.74	79364.	5847.	12345.	2.	4.
10 0 57	126.	0.000	134.	132.	128.	129.	2.779	28.17	79850.	5818.	12373.	1.	-0.
10 1 2	127.	-.073	130.	131.	127.	138.	2.771	28.25	79514.	5828.	12345.	2.	1.
10 1 12	127.	-.831	126.	128.	128.	130.	2.761	28.44	79476.	5857.	12659.	2.	-1.
10 1 17	127.	-.415	127.	131.	128.	129.	2.751	27.98	79663.	5886.	12480.	2.	1.
10 1 22	130.	-1.271	128.	128.	127.	131.	2.702	28.33	0.	6314.	13029.	1.	-0.
10 1 27	129.	-1.851	129.	130.	127.	132.	2.594	28.33	39925.	6421.	12994.	2.	1.
10 1 32	129.	-.098	129.	128.	128.	131.	2.587	28.28	397.	6567.	13015.	-0.	-1.
10 1 32	129.	-.440	127.	128.	127.	129.	2.689	27.85	40124.	6572.	13015.	1.	1.
10 1 42	134.	0.000	130.	126.	128.	130.	2.698	28.44	0.	6567.	13129.	1.	1.
10 1 42	129.	-.269	130.	127.	128.	129.	2.688	28.01	39776.	6606.	13093.	2.	1.
10 1 47	126.	.098	128.	129.	129.	129.	2.583	28.66	79.	6596.	13186.	1.	0.
10 1 52	126.	-.269	128.	129.	128.	122.	2.684	28.33	159.	6592.	13136.	1.	0.
10 1 57	125.	-.782	126.	129.	126.	128.	2.668	27.85	79701.	6684.	13143.	2.	1.
10 2 2	124.	-.367	127.	128.	127.	127.	2.674	27.66	39890.	6655.	13065.	1.	-1.
10 2 7	125.	-.538	128.	128.	124.	126.	2.674	27.85	79.	6626.	13100.	2.	3.
10 2 13	126.	-.073	127.	126.	125.	127.	2.677	27.85	238.	6596.	13136.	1.	2.
10 2 18	127.	-.440	116.	125.	128.	125.	2.674	28.01	238.	6635.	13172.	1.	-1.
10 2 23	128.	-.669	121.	127.	128.	126.	2.668	28.04	39895.	6606.	13136.	2.	-5.
10 2 28	123.	.342	124.	125.	127.	127.	2.759	27.47	78280.	5528.	13058.	0.	7.
10 2 33	125.	.196	123.	127.	126.	127.	2.831	27.58	78392.	5298.	11604.	1.	4.
10 2 38	127.	.342	130.	130.	130.	131.	2.899	27.42	79028.	3989.	10036.	-0.	2.
10 2 43	126.	-.849	123.	128.	128.	128.	2.895	27.96	78990.	3858.	10121.	1.	1.
10 42 48	129.	-.342	126.	127.	126.	126.	2.886	28.60	78803.	4057.	10036.	1.	-1.
10 2 53	128.	-.489	126.	126.	126.	127.	2.886	28.20	78915.	4033.	10050.	2.	-0.
10 2 58	126.	-.293	128.	126.	126.	127.	2.893	28.28	78654.	4008.	9993.	3.	4.
10 3 3	127.	-.024	127.	127.	127.	128.	2.893	28.17	78953.	3999.	10014.	2.	3.
10 43 8	127.	-.049	126.	128.	126.	128.	2.901	28.60	79252.	3960.	10050.	1.	1.
10 3 13	121.	-.024	127.	129.	127.	128.	2.899	28.06	78953.	3960.	9936.	2.	1.
10 3 18	116.	-.098	130.	132.	130.	128.	2.864	28.17	78354.	4544.	10663.	2.	2.
10 3 23	118.	-.098	127.	130.	129.	128.	2.853	27.80	78691.	4548.	10741.	1.	2.
10 3 28	128.	.049	128.	129.	128.	128.	2.851	28.55	79177.	4748.	11119.	1.	1.
10 3 33	127.	-.244	128.	128.	127.	128.	2.851	28.09	78878.	4728.	11062.	2.	1.
10 3 38	127.	-1.466	127.	127.	127.	128.	2.845	28.33	79551.	4728.	11176.	1.	-2.
10 43 48	126.	-1.075	128.	128.	127.	128.	2.846	27.98	79177.	4724.	11148.	2.	1.
10 3 53	126.	.196	129.	128.	125.	127.	2.928	29.03	77756.	4709.	11119.	3.	5.
10 3 58	126.	-.342	129.	129.	126.	128.	2.945	27.82	77307.	3439.	8631.	2.	2.
10 4 3	127.	-.440	128.	129.	128.	128.	2.961	26.67	78205.	1459.	4018.	1.	-2.
10 4 8	127.	-.684	129.	129.	127.	127.	2.960	26.72	77793.	1343.	3949.	1.	-2.
10 4 8	127.	-.831	128.	128.	127.	127.	2.993	27.15	77457.	837.	2010.	1.	1.

C COMMUTATOR

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP ENERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
8 57 9	-.80	118.1	-1.	.010	.039	-.024	125.	120.	134.	116.	117.	400.	118.
8 57 14	-.57	118.8	-0.	-.005	.007	-.015	123.	119.	135.	117.	118.	400.	118.
8 57 19	-.40	123.3	1.	-.083	-.044	-.034	121.	119.	133.	117.	119.	400.	117.
8 57 24	-.30	121.7	2.	-.056	-.032	-.039	121.	122.	129.	117.	119.	400.	117.
8 57 29	-.75	118.8	-1.	-.059	-.029	-.059	121.	119.	132.	117.	119.	400.	117.
8 57 42	-.62	118.8	-1.	-.044	-.024	-.051	121.	119.	132.	118.	119.	400.	118.
8 57 39	-.65	118.0	-1.	-.083	-.024	-.054	123.	110.	137.	123.	119.	400.	117.
8 57 49	-.70	118.8	-1.	-.071	-.010	-.088	122.	118.	137.	120.	119.	400.	110.
8 57 54	-.40	119.4	1.	-.024	-.024	-.049	121.	118.	137.	117.	117.	400.	117.
8 57 59	-.72	118.1	1.	-.049	-.034	-.066	119.	118.	136.	118.	117.	400.	118.
8 58 4	-.20	118.8	3.	-.005	-.020	-.024	123.	116.	137.	117.	119.	400.	117.
8 58 9	-.50	118.8	1.	-.017	-.017	-.046	120.	117.	136.	116.	119.	400.	118.
8 58 9	-.40	119.4	0.	-.020	0.000	0.000	123.	118.	134.	116.	118.	400.	118.
8 58 14	-.55	119.1	-0.	-.029	-.015	-.071	125.	118.	136.	116.	118.	400.	118.
8 58 19	-.95	118.8	-2.	-.054	-.020	-.063	121.	117.	132.	117.	119.	400.	119.
8 58 24	-.72	118.8	-1.	-.037	-.010	-.064	121.	117.	123.	117.	120.	400.	119.
8 58 29	-.40	119.4	1.	-.010	.015	-.015	123.	116.	136.	117.	119.	400.	118.
8 58 34	-.50	119.1	-2.	-.044	-.073	-.034	123.	117.	136.	117.	118.	400.	118.
8 58 40	-.20	118.8	3.	-.024	0.000	-.024	123.	119.	136.	117.	120.	400.	117.
8 58 45	-.40	110.8	1.	-.034	.002	-.039	123.	118.	137.	117.	118.	400.	118.
8 58 50	-.70	115.5	-1.	-.034	-.005	-.059	121.	117.	136.	117.	119.	400.	118.
8 58 55	-.75	120.1	-1.	-.039	-.020	-.073	121.	118.	135.	117.	118.	400.	118.
8 59 0	-.45	118.8	2.	-.005	-.015	-.015	122.	118.	137.	118.	120.	400.	118.
8 59 5	-.55	118.8	-0.	-.022	-.032	-.032	120.	117.	138.	120.	119.	400.	119.
8 59 10	-.50	118.1	0.	-.029	-.015	-.059	121.	122.	147.	116.	116.	400.	120.
8 59 15	-.55	118.1	-1.	-.034	-.020	-.054	122.	120.	143.	117.	117.	400.	119.
8 59 20	-.65	119.4	1.	-.029	0.000	0.000	123.	117.	134.	117.	120.	400.	118.
9 10 18	-.62	119.7	1.	-.039	-.017	-.024	122.	118.	105.	117.	120.	400.	120.
9 10 23	-.85	121.4	5.	-.034	-.015	-.044	123.	118.	278.	119.	125.	400.	121.
9 10 28	-.90	121.7	3.	-.066	-.027	-.083	122.	118.	289.	119.	123.	400.	121.
9 10 33	-.70	120.1	2.	-.015	-.020	-.020	123.	119.	315.	121.	121.	400.	119.
9 10 38	-.67	120.4	1.	-.024	-.022	-.027	122.	119.	319.	120.	121.	400.	121.
9 10 43	-.40	122.0	0.	-.064	-.044	-.064	118.	119.	349.	119.	121.	400.	116.
9 10 53	-.35	121.7	-1.	-.037	-.020	-.042	120.	119.	346.	121.	121.	400.	118.
9 10 58	-.80	116.8	0.	-.005	0.000	-.024	123.	118.	326.	120.	123.	400.	123.
9 11 3	-.62	118.8	-1.	-.032	-.012	-.046	123.	118.	319.	121.	119.	400.	120.
9 11 3	-.55	120.7	-2.	-.039	-.010	-.029	121.	118.	305.	123.	123.	400.	124.
9 51 8	-.45	120.7	-2.	.108	-.005	.374	122.	118.	302.	122.	123.	400.	123.
9 11 13	-.50	120.7	-6.	.078	-.039	.469	121.	118.	278.	127.	124.	400.	117.
9 11 23	-.67	121.4	-3.	.120	-.020	.535	121.	118.	283.	124.	124.	400.	120.
9 11 28	-.35	115.5	-3.	.127	-.005	.557	122.	119.	318.	126.	124.	400.	122.
9 11 28	-.42	118.8	-2.	.137	-.002	.565	122.	119.	315.	126.	125.	400.	122.
9 11 33	-.65	121.4	0.	.150	.005	.606	122.	118.	330.	127.	120.	400.	121.
9 11 38	-.55	121.7	-0.	.164	-.002	.587	122.	119.	334.	127.	123.	400.	121.
9 11 43	-.30	121.4	-1.	.142	.015	.587	121.	123.	342.	129.	126.	400.	117.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY161-PY162	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
9 51 48	-.35	121.4	-0.	.142	0.000	.572	121.	121.	345.	129.	126.	400.	118.
9 11 53	-.40	122.0	2.	.122	-.020	.557	123.	119.	350.	130.	127.	400.	119.
9 51 58	-.42	122.0	1.	.198	-.012	.604	122.	118.	354.	130.	127.	400.	120.
9 12 4	-.30	121.4	-2.	.308	-.034	1.046	123.	119.	379.	130.	129.	400.	117.
9 12 9	-.40	121.7	0.	.330	-.029	1.188	123.	122.	389.	131.	129.	400.	119.
9 12 14	-.65	123.0	1.	.401	.005	1.535	121.	116.	428.	132.	128.	400.	120.
9 12 19	-.65	122.3	3.	.455	.022	1.469	122.	117.	441.	133.	129.	400.	120.
9 12 24	-.30	121.4	0.	.528	.147	1.437	127.	118.	478.	132.	130.	400.	117.
9 12 29	-.32	122.3	-0.	.562	.178	1.329	125.	119.	489.	132.	130.	400.	118.
9 12 34	-.65	121.4	0.	.567	.371	.841	122.	118.	520.	134.	131.	400.	118.
9 12 39	-.47	121.7	-0.	.389	.220	.635	122.	118.	518.	134.	132.	400.	119.
9 12 44	-.65	120.7	3.	.303	.088	.420	123.	118.	518.	137.	132.	400.	116.
9 12 49	-.67	120.4	7.	.283	.078	.371	122.	118.	523.	135.	132.	400.	117.
9 12 54	-.80	125.9	18.	.298	.122	.386	123.	118.	526.	134.	132.	400.	119.
9 12 59	-.82	123.6	18.	.225	.100	.379	122.	119.	528.	135.	132.	400.	119.
9 13 4	-.40	120.7	21.	.259	.053	.347	122.	119.	532.	136.	132.	400.	120.
9 13 9	-.78	122.0	30.	.264	.076	.349	122.	120.	531.	137.	133.	400.	121.
9 13 14	-.45	122.6	46.	.283	.093	.401	122.	121.	538.	136.	134.	400.	121.
9 13 19	-.45	123.0	50.	.293	.093	.401	122.	121.	536.	137.	134.	400.	121.
9 13 29	-.40	122.0	54.	.425	.191	.489	125.	121.	543.	137.	134.	400.	119.
9 13 34	-.52	123.0	57.	.472	.335	.494	123.	125.	546.	138.	134.	400.	120.
9 13 39	-.45	122.6	59.	.259	.235	.357	123.	127.	525.	139.	135.	400.	120.
9 13 39	-.52	121.4	60.	.252	.175	.342	122.	127.	512.	139.	135.	400.	119.
9 13 44	-.70	121.4	62.	.244	.108	.347	121.	128.	484.	139.	136.	400.	124.
9 13 49	-.65	121.4	61.	.205	.059	.345	122.	127.	476.	139.	135.	400.	130.
9 13 59	-.60	121.4	61.	.166	.029	.411	123.	127.	450.	139.	136.	400.	140.
9 14 12	-.57	121.4	60.	.166	.012	.393	123.	128.	442.	141.	137.	400.	153.
9 14 9	-.60	122.0	63.	.191	.015	.435	123.	128.	428.	141.	136.	400.	161.
9 14 9	-.50	122.3	61.	.208	.022	.411	123.	128.	421.	141.	138.	400.	165.
9 14 14	-.20	122.6	58.	.215	.015	.386	123.	129.	409.	142.	139.	400.	174.
9 14 19	-.30	122.3	60.	.198	0.000	.398	123.	129.	407.	139.	138.	400.	174.
9 14 24	-.80	122.6	61.	.171	-.020	.401	123.	128.	396.	142.	139.	400.	176.
9 14 29	-.62	123.3	62.	.188	-.002	.423	123.	129.	395.	143.	139.	400.	180.
9 14 34	-.65	121.4	63.	.205	.010	.401	123.	132.	393.	140.	139.	400.	182.
9 14 40	-.65	121.0	58.	.239	.020	.415	122.	132.	388.	142.	140.	400.	182.
9 14 45	-.25	122.6	61.	.191	0.000	.386	121.	132.	389.	139.	141.	400.	189.
9 14 50	-.40	122.3	60.	.210	.002	.391	122.	131.	388.	142.	142.	400.	191.
9 14 55	-.35	121.4	58.	.254	.029	.425	123.	133.	385.	147.	136.	400.	196.
9 15 0	-.40	122.3	58.	.222	.020	.408	123.	132.	383.	145.	139.	400.	197.
9 15 5	-.80	122.6	58.	.235	.015	.443	123.	132.	378.	148.	142.	400.	196.
9 15 10	-.92	122.0	56.	.210	.017	.430	123.	132.	368.	148.	142.	400.	196.
9 15 15	-.45	121.4	61.	.161	-.005	.371	124.	133.	375.	148.	143.	400.	199.
9 15 20	-.42	122.0	60.	.183	-.002	.342	124.	133.	372.	148.	142.	400.	200.
9 15 25	-.80	123.3	56.	.215	.039	.440	124.	133.	374.	147.	145.	400.	203.
9 15 30	-.65	122.6	58.	.237	.017	.433	123.	134.	374.	148.	144.	400.	204.
9 15 35	-1.05	122.6	58.	.235	.034	.386	124.	134.	374.	147.	145.	400.	209.
9 15 40	-.80	122.0	56.	.161	.012	.389	123.	134.	374.	147.	145.	400.	209.
9 15 45	-.55	120.7	58.	.142	-.010	.371	123.	136.	375.	154.	141.	400.	207.
9 15 50	-.57	120.7	57.	.154	.010	.393	123.	133.	373.	155.	141.	400.	207.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 23 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
9 15 55	-.20	118.1	60.	.293	.054	.445	125.	133.	388.	158.	141.	401.	215.
9 16 5	-.35	122.0	61.	.313	.110	.452	124.	137.	393.	150.	138.	401.	212.
9 16 10	-.50	124.6	57.	.438	.274	.459	122.	139.	415.	147.	136.	400.	217.
9 16 10	-.60	123.0	57.	.467	.354	.440	123.	141.	423.	146.	135.	400.	217.
9 16 15	-.65	122.6	56.	.474	.474	.445	123.	139.	444.	150.	136.	400.	221.
9 16 20	-.47	123.3	59.	.540	.494	.420	123.	138.	453.	150.	137.	400.	221.
9 16 25	-.60	118.8	64.	.689	.582	.445	125.	134.	481.	161.	139.	400.	224.
9 16 35	-.55	120.1	60.	.655	.643	.396	124.	137.	490.	159.	139.	400.	226.
9 16 40	-.48	120.7	59.	.557	.599	.371	125.	138.	506.	160.	148.	400.	225.
9 16 45	-.62	121.4	56.	.540	.630	.342	125.	132.	510.	160.	139.	400.	226.
9 16 45	-.70	123.3	54.	.420	.445	.249	123.	141.	524.	147.	137.	400.	233.
9 16 50	-.75	123.6	58.	.435	.435	.279	124.	141.	527.	149.	137.	400.	237.
9 16 55	-.75	122.0	61.	.430	.464	.381	124.	141.	532.	155.	139.	400.	238.
9 17 0	-.65	122.6	60.	.450	.455	.374	124.	141.	534.	156.	141.	400.	238.
9 17 5	-.50	120.7	63.	.445	.435	.406	121.	143.	538.	168.	143.	400.	240.
9 17 10	-.47	122.0	65.	.442	.428	.398	122.	144.	538.	159.	140.	400.	244.
9 17 16	-.10	118.1	65.	.386	.425	.406	127.	136.	536.	158.	142.	400.	247.
9 17 21	-.22	118.4	67.	.415	.418	.398	121.	138.	538.	163.	143.	400.	247.
9 17 26	-.60	121.4	75.	.499	.455	.459	126.	147.	541.	159.	142.	400.	250.
9 17 31	-.57	122.3	73.	.489	.433	.420	125.	146.	541.	154.	140.	400.	253.
9 17 36	-.60	122.0	83.	.479	.484	.450	126.	148.	544.	160.	139.	400.	260.
9 17 41	-.60	121.4	83.	.481	.442	.398	126.	147.	543.	162.	141.	400.	260.
9 17 46	-.50	122.8	92.	.518	.450	.411	126.	143.	541.	166.	145.	400.	258.
9 17 51	-.37	121.7	91.	.508	.440	.388	126.	140.	541.	165.	144.	400.	260.
9 17 56	-.45	118.8	87.	.469	.450	.406	125.	144.	544.	176.	145.	400.	264.
9 18 1	-.62	121.0	90.	.450	.433	.389	125.	152.	544.	164.	145.	400.	266.
9 18 6	-.38	121.4	92.	.469	.459	.406	127.	148.	544.	169.	145.	400.	278.
9 18 11	-.47	122.0	90.	.459	.442	.418	124.	146.	545.	162.	142.	400.	272.
9 18 16	-.65	122.6	86.	.484	.420	.401	127.	148.	545.	164.	142.	400.	275.
9 18 21	-.55	123.3	86.	.484	.433	.401	127.	149.	548.	158.	140.	400.	278.
9 18 26	-.40	121.4	87.	.483	.469	.401	127.	150.	552.	168.	145.	400.	278.
9 18 31	-.35	120.1	88.	.477	.469	.415	126.	150.	548.	168.	145.	400.	279.
9 18 41	-.88	122.8	84.	.406	.767	.459	127.	152.	545.	159.	143.	400.	283.
9 18 41	-.77	123.6	85.	.359	.711	.423	125.	152.	546.	156.	141.	400.	285.
9 18 46	-.75	124.6	84.	.283	.547	.347	126.	153.	545.	160.	138.	400.	289.
9 18 51	-.67	124.3	86.	.291	.523	.330	121.	150.	545.	165.	142.	400.	288.
9 18 56	-.70	121.4	88.	.313	.464	.293	127.	147.	541.	165.	145.	400.	281.
9 19 1	-.42	122.6	88.	.308	.494	.301	125.	145.	544.	161.	143.	400.	286.
9 19 11	-.65	128.1	84.	.596	.301	.391	125.	149.	541.	169.	146.	400.	293.
9 19 16	-.75	122.0	86.	.572	.457	.423	126.	149.	543.	163.	143.	400.	293.
9 19 21	-.65	122.6	86.	.508	.425	.371	127.	158.	543.	166.	145.	400.	295.
9 19 26	-.52	122.0	88.	.513	.425	.362	127.	154.	545.	169.	146.	400.	294.
9 19 26	-.70	122.6	86.	.445	.391	.367	126.	152.	546.	170.	143.	400.	299.
9 19 31	-.62	122.3	83.	.445	.384	.374	127.	155.	546.	166.	143.	400.	298.
9 19 36	-.85	123.9	85.	.420	.381	.342	127.	160.	550.	168.	141.	400.	302.
9 19 41	-.82	123.9	84.	.415	.359	.330	126.	153.	548.	161.	142.	400.	302.
9 19 46	-.65	120.7	84.	.464	.362	.406	125.	156.	546.	155.	142.	400.	304.
9 19 59	-.65	123.6	83.	.462	.379	.357	125.	154.	547.	155.	141.	400.	306.
9 19 57	-1.05	122.6	76.	.528	.440	.425	127.	160.	550.	161.	139.	400.	307.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
9 20 2	-.77	121.4	77.	.513	.457	.437	127.	159.	546.	168.	143.	400.	306.
9 20 7	-.60	123.9	75.	.533	.508	.459	126.	158.	550.	158.	136.	400.	310.
9 20 12	-.42	123.0	73.	.521	.477	.425	126.	155.	546.	163.	140.	400.	309.
9 20 17	-.15	122.0	77.	.489	.411	.406	128.	160.	546.	170.	147.	400.	309.
9 20 22	-.27	122.6	76.	.491	.415	.398	127.	155.	545.	166.	146.	400.	309.
9 20 27	-.60	123.3	62.	.435	.464	.411	125.	151.	544.	160.	142.	400.	314.
9 20 32	-.47	123.3	67.	.433	.437	.381	126.	152.	546.	161.	143.	400.	312.
9 20 37	-.45	115.5	74.	.376	.748	.391	126.	152.	540.	163.	144.	400.	309.
9 20 42	-.52	119.4	74.	.320	.672	.376	127.	157.	547.	164.	143.	400.	313.
9 20 47	-.50	121.4	73.	.279	.557	.323	128.	151.	546.	172.	149.	400.	311.
9 20 52	-.42	121.4	72.	.281	.557	.308	128.	156.	548.	170.	146.	400.	315.
9 20 57	-.70	122.6	68.	.308	.562	.308	127.	153.	549.	167.	146.	400.	316.
9 21 2	-.70	120.7	68.	.318	.555	.308	128.	154.	548.	171.	147.	400.	316.
9 21 7	-.70	123.9	73.	.567	.362	.439	122.	154.	546.	160.	143.	400.	320.
9 21 17	-.52	123.0	71.	.540	.413	.481	125.	155.	548.	163.	145.	400.	320.
9 21 17	-.65	124.6	73.	.474	.420	.367	127.	161.	552.	160.	142.	400.	322.
9 21 22	-.70	123.9	72.	.469	.413	.369	128.	161.	550.	165.	147.	400.	322.
9 21 27	-.65	122.0	70.	.376	.327	.381	128.	152.	543.	173.	147.	400.	322.
9 21 32	-.75	122.3	68.	.369	.320	.391	129.	155.	545.	173.	148.	400.	322.
9 21 37	-.40	123.9	69.	.352	.235	.357	128.	164.	553.	162.	142.	400.	327.
9 61 47	-.52	123.0	69.	.352	.235	.332	128.	162.	549.	166.	142.	400.	325.
9 21 52	-.30	122.0	70.	.357	.249	.367	128.	164.	520.	168.	149.	400.	324.
9 21 57	-.52	121.0	66.	.357	.254	.381	128.	161.	514.	173.	149.	400.	325.
9 22 2	-.25	122.6	68.	.323	.205	.367	127.	160.	500.	162.	143.	400.	329.
9 22 2	-.47	124.6	65.	.315	.217	.374	126.	160.	497.	160.	142.	400.	329.
9 22 7	-.70	124.6	65.	.306	.215	.420	128.	165.	487.	162.	143.	400.	329.
9 22 12	-.65	124.6	67.	.379	.213	.398	127.	165.	488.	162.	142.	400.	331.
9 22 17	-.55	127.2	65.	.362	.215	.396	128.	160.	483.	156.	140.	400.	331.
9 22 22	-.50	125.9	66.	.340	.203	.381	128.	161.	482.	157.	141.	400.	331.
9 22 35	-.60	123.9	68.	.396	.239	.381	126.	162.	474.	161.	139.	400.	332.
9 22 33	-.58	125.2	67.	.367	.232	.381	127.	162.	476.	160.	140.	400.	326.
9 22 38	-.60	122.6	64.	.293	.464	.396	129.	165.	478.	170.	145.	400.	331.
9 22 43	-.60	121.4	62.	.303	.491	.393	129.	168.	474.	172.	145.	400.	330.
9 62 48	-1.05	123.9	64.	.342	.528	.386	129.	160.	472.	165.	144.	400.	332.
9 22 53	-.67	124.9	64.	.291	.513	.369	128.	161.	474.	161.	142.	400.	331.
9 22 58	-.50	125.9	66.	.308	.547	.352	128.	159.	479.	158.	139.	400.	329.
9 23 3	-.60	124.3	63.	.283	.538	.332	128.	157.	472.	163.	143.	400.	328.
9 63 8	-.65	122.6	65.	.218	.479	.327	129.	156.	468.	169.	149.	400.	324.
9 23 13	-.65	123.3	64.	.281	.376	.345	129.	159.	469.	170.	148.	400.	327.
9 23 18	-.75	122.0	65.	.357	.274	.367	128.	160.	472.	163.	144.	400.	327.
9 23 23	-.72	123.0	64.	.359	.259	.369	128.	163.	472.	163.	143.	400.	331.
9 23 28	-.65	125.2	66.	.401	.230	.381	128.	167.	478.	160.	142.	400.	335.
9 23 33	-.72	124.9	66.	.396	.239	.384	128.	168.	474.	160.	141.	400.	335.
9 23 38	-.60	125.9	66.	.371	.244	.367	128.	167.	474.	162.	142.	400.	336.
9 23 43	-.45	124.9	67.	.398	.237	.379	128.	167.	474.	162.	142.	400.	333.
9 63 48	-.35	122.0	67.	.401	.253	.406	129.	160.	471.	170.	147.	400.	327.
9 23 53	-.35	123.9	66.	.403	.274	.389	128.	159.	472.	165.	144.	400.	330.
9 23 58	-.40	123.3	68.	.396	.254	.406	128.	167.	473.	167.	144.	400.	332.
9 24 3	-.40	123.0	65.	.364	.154	.477	132.	163.	472.	168.	145.	400.	331.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
9 24 8	-.50	125.2	68.	.301	.254	.352	128.	163.	471.	158.	144.	400.	329.
9 24 13	-.62	125.6	67.	.357	.252	.349	128.	164.	470.	159.	148.	400.	331.
9 24 23	-.60	128.7	64.	.352	.249	.357	130.	163.	471.	160.	143.	400.	339.
9 24 23	-.67	122.3	63.	.232	.115	.303	132.	164.	463.	164.	142.	400.	336.
9 28 16	-.58	122.6	65.	.285	.024	.508	131.	156.	378.	174.	158.	400.	304.
9 28 21	-.42	123.6	66.	.205	.012	.503	130.	161.	376.	170.	147.	400.	305.
9 28 34	-.45	126.5	63.	.235	0.000	.499	128.	167.	388.	161.	145.	401.	305.
9 28 31	-.55	126.2	64.	.210	-.002	.455	128.	165.	378.	161.	143.	400.	305.
9 28 36	-.35	124.6	64.	.171	-.003	.401	128.	165.	398.	168.	145.	400.	303.
9 28 41	-.35	123.6	64.	.164	-.055	.430	129.	163.	383.	169.	147.	400.	303.
9 28 46	-.80	123.9	62.	.147	-.034	.404	131.	159.	379.	169.	147.	400.	303.
9 28 56	-.77	124.6	62.	.164	-.017	.442	130.	163.	376.	167.	147.	400.	302.
9 29 1	-.68	125.9	65.	.239	0.000	.404	128.	164.	380.	167.	146.	400.	301.
9 29 6	-.57	126.2	64.	.208	-.015	.472	128.	165.	378.	168.	147.	400.	301.
9 29 11	-.75	124.6	65.	.191	-.005	.469	130.	163.	375.	174.	147.	401.	299.
9 29 16	-.72	122.6	65.	.200	-.007	.464	132.	164.	375.	171.	149.	400.	299.
9 29 16	-.80	123.3	63.	.186	-.010	.474	132.	156.	378.	171.	149.	400.	300.
9 29 21	-.75	124.3	65.	.180	-.015	.477	131.	162.	378.	171.	149.	400.	300.
9 29 26	-.30	123.9	66.	.152	-.003	.474	130.	161.	379.	171.	146.	400.	300.
9 29 31	-.25	123.6	66.	.169	-.037	.484	130.	163.	377.	172.	147.	400.	299.
9 29 36	-.80	123.9	62.	.147	-.029	.459	128.	161.	375.	171.	148.	400.	298.
9 29 41	-.67	124.6	65.	.174	-.005	.479	128.	165.	377.	166.	146.	400.	298.
9 29 47	-.60	125.2	65.	.191	-.010	.469	127.	164.	375.	169.	149.	400.	298.
9 29 52	-.60	124.9	65.	.171	-.015	.464	128.	164.	376.	171.	148.	400.	294.
9 29 65	-.60	126.5	66.	.210	.015	.494	128.	169.	379.	166.	145.	400.	298.
9 30 2	-.47	126.2	64.	.181	-.010	.472	129.	166.	377.	178.	147.	400.	296.
9 30 7	-.40	123.9	68.	.147	-.020	.464	129.	171.	375.	172.	158.	400.	294.
9 30 12	-.35	123.6	67.	.159	-.020	.450	132.	169.	376.	175.	149.	400.	294.
9 30 17	-1.05	125.2	63.	.166	-.010	.450	127.	158.	370.	162.	143.	401.	294.
9 30 22	-.67	124.3	63.	.152	-.015	.450	128.	161.	379.	165.	144.	401.	293.
9 30 27	-.30	125.9	67.	.176	-.039	.484	129.	168.	376.	163.	146.	400.	293.
9 30 32	-.40	123.3	65.	.164	-.039	.472	130.	161.	379.	162.	145.	400.	295.
9 30 37	-.25	123.3	60.	.166	-.024	.458	130.	161.	383.	166.	145.	400.	294.
9 30 42	-.37	124.3	64.	.164	-.022	.455	129.	164.	379.	166.	145.	400.	293.
9 30 47	-.95	123.3	65.	.171	-.033	.479	129.	165.	381.	158.	149.	400.	294.
9 30 52	-.67	119.4	65.	.164	-.024	.467	130.	166.	380.	163.	152.	400.	294.
9 30 57	-.75	126.5	62.	.235	0.000	.523	129.	163.	379.	160.	154.	400.	294.
9 31 2	-.62	125.9	65.	.193	-.015	.415	128.	163.	376.	162.	156.	400.	293.
9 31 7	-1.05	125.2	60.	.225	-.005	.499	128.	167.	381.	172.	150.	401.	293.
9 31 12	-.72	123.6	63.	.186	.002	.467	128.	165.	378.	176.	151.	400.	292.
9 31 17	-.65	125.2	60.	.142	-.024	.469	127.	163.	378.	174.	149.	400.	289.
9 31 22	-.75	125.2	67.	.154	-.017	.467	128.	160.	380.	175.	149.	400.	290.
9 71 32	-.45	123.3	65.	.191	0.000	.494	130.	161.	374.	183.	154.	400.	288.
9 31 37	-.47	124.3	65.	.191	0.000	.481	130.	160.	375.	178.	153.	400.	288.
9 31 42	-.75	128.7	66.	.274	.015	.547	129.	167.	384.	176.	152.	400.	286.
9 31 47	-.67	121.8	65.	.279	.029	.547	130.	164.	401.	181.	152.	400.	286.
9 31 52	-.90	125.2	65.	.386	.155	.357	130.	166.	458.	178.	154.	400.	274.
9 31 57	-.65	125.2	65.	.448	.261	.459	129.	166.	483.	175.	151.	400.	274.
9 31 57	-.40	123.9	62.	.489	.411	.489	129.	157.	527.	188.	151.	400.	266.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY101-PY102	EC 114 TEMP EMERCY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
9 32 2	-.55	125.6	64.	.469	.408	.467	129.	163.	532.	179.	152.	400.	263.
9 32 7	-.15	123.9	64.	.523	.445	.435	131.	165.	546.	185.	154.	400.	254.
9 32 12	-.47	124.6	64.	.501	.435	.418	130.	162.	550.	185.	153.	400.	252.
9 32 17	-.80	123.9	66.	.469	.425	.367	132.	162.	557.	187.	149.	400.	246.
9 32 22	-.58	123.6	64.	.496	.425	.391	131.	164.	559.	186.	152.	400.	244.
9 32 28	-.75	123.9	69.	.508	.411	.352	128.	160.	555.	185.	154.	400.	239.
9 32 33	-.60	124.6	67.	.511	.440	.376	127.	160.	561.	182.	151.	400.	238.
9 32 38	-.55	123.9	66.	.503	.445	.386	132.	162.	564.	184.	153.	400.	232.
9 32 43	-.57	123.3	65.	.474	.440	.379	131.	161.	567.	184.	153.	400.	231.
9 72 48	-.78	125.9	66.	.469	.440	.371	120.	162.	572.	174.	151.	400.	226.
9 32 53	-.67	126.2	65.	.511	.433	.386	129.	162.	576.	172.	149.	400.	224.
9 32 58	-.50	123.3	67.	.601	.528	.450	131.	165.	590.	178.	153.	400.	216.
9 33 3	-.45	123.9	66.	.555	.479	.364	132.	165.	598.	181.	153.	400.	215.
9 73 8	-.78	126.5	67.	.464	.450	.347	130.	164.	652.	183.	154.	400.	198.
9 33 13	-.52	125.9	65.	.469	.440	.349	130.	162.	664.	178.	151.	400.	194.
9 33 18	-.20	124.6	61.	.459	.411	.357	129.	167.	684.	179.	151.	400.	187.
9 33 23	-.25	124.3	61.	.459	.413	.328	130.	169.	604.	101.	152.	400.	183.
9 33 28	-.65	120.7	69.	.469	.469	.401	131.	160.	695.	180.	151.	400.	180.
9 33 33	-.55	122.6	67.	.459	.450	.379	132.	158.	695.	181.	152.	400.	179.
9 33 38	-.48	125.2	67.	.493	.440	.401	138.	161.	683.	185.	147.	400.	175.
9 33 43	-.47	125.6	66.	.472	.445	.376	134.	163.	689.	103.	149.	400.	174.
9 73 40	-.58	125.9	63.	.455	.420	.352	131.	167.	695.	183.	154.	400.	171.
9 33 53	-.55	126.5	64.	.479	.437	.379	130.	164.	698.	178.	151.	400.	171.
9 33 58	-.65	123.9	62.	.499	.440	.306	131.	161.	707.	181.	152.	400.	171.
9 34 0	-.60	123.6	63.	.501	.452	.396	131.	164.	704.	182.	153.	400.	160.
9 34 13	-1.05	123.9	67.	.499	.425	.401	131.	160.	706.	173.	148.	400.	167.
9 34 18	-.82	126.9	66.	.506	.437	.396	130.	162.	703.	174.	150.	400.	165.
9 34 23	-.70	125.2	64.	.513	.459	.430	130.	167.	700.	174.	151.	400.	165.
9 34 28	-.55	125.6	64.	.496	.440	.398	130.	167.	702.	179.	149.	400.	164.
9 34 33	-.55	124.6	60.	.147	0.000	.210	131.	157.	628.	183.	154.	400.	169.
9 34 33	-.47	125.9	67.	.127	-.010	.254	131.	168.	683.	183.	154.	400.	189.
9 34 38	-.30	121.4	64.	.137	-.015	.357	133.	159.	545.	183.	154.	400.	222.
9 34 43	-.45	123.3	66.	.166	-.017	.389	129.	168.	527.	183.	153.	400.	220.
9 34 48	-.55	125.2	65.	.152	-.020	.288	132.	167.	488.	183.	154.	400.	243.
9 34 53	-.70	126.5	67.	.152	-.032	.359	132.	168.	464.	179.	153.	400.	247.
9 34 58	-.45	123.3	65.	.200	.015	.523	132.	158.	453.	183.	154.	400.	255.
9 35 4	-.52	123.3	64.	.137	.007	.389	132.	158.	448.	183.	154.	400.	258.
9 35 9	-.85	123.9	67.	.093	-.005	.327	131.	157.	404.	176.	150.	400.	260.
9 35 14	-.72	125.9	67.	.100	-.024	.305	131.	164.	399.	175.	151.	400.	271.
9 35 19	-.75	126.5	67.	.108	-.044	.264	131.	171.	390.	174.	151.	400.	278.
9 35 24	-.52	121.0	65.	.081	-.029	.296	131.	167.	389.	175.	151.	400.	272.
9 35 29	-.85	129.1	65.	.073	-.039	.283	132.	168.	380.	172.	150.	400.	274.
9 35 34	-.67	127.2	65.	.103	-.029	.335	135.	168.	386.	174.	153.	400.	274.
9 35 39	-.45	115.5	62.	.098	0.000	.391	132.	169.	385.	166.	158.	400.	276.
9 35 44	-.45	121.0	62.	.000	0.000	.393	132.	170.	383.	167.	161.	400.	275.
9 35 49	-.65	121.4	66.	.093	-.044	.381	132.	159.	385.	172.	162.	400.	270.
9 35 54	-.72	123.0	67.	.090	-.039	.376	132.	159.	383.	173.	163.	400.	269.
9 35 59	-.65	125.2	66.	.093	-.039	.362	132.	163.	379.	177.	163.	400.	270.
9 36 4	-.58	126.9	64.	.112	-.020	.347	132.	167.	375.	178.	159.	400.	270.

TIME M/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
9 36 9	-.50	124.6	65.	.088	-.083	.367	131.	155.	388.	181.	154.	400.	268.
9 36 14	-.55	124.9	64.	.117	-.042	.386	132.	157.	379.	181.	155.	400.	267.
9 36 19	-.50	125.2	66.	.147	-.024	.411	134.	160.	359.	180.	155.	400.	266.
9 36 24	-.45	125.9	64.	.110	-.022	.403	127.	167.	378.	179.	155.	400.	269.
9 36 29	-.25	125.9	61.	.132	.015	.405	132.	166.	300.	178.	154.	400.	268.
9 36 34	-.35	125.6	61.	.142	.027	.389	132.	162.	378.	179.	145.	400.	266.
9 36 44	-.70	122.6	66.	.080	-.020	.367	132.	157.	300.	180.	155.	400.	263.
9 36 49	-.55	123.6	64.	.117	-.012	.391	132.	158.	379.	180.	154.	400.	263.
9 36 54	-.90	124.6	68.	.103	-.034	.367	132.	163.	374.	178.	155.	400.	263.
9 36 59	-.00	125.2	67.	.108	-.039	.374	132.	167.	375.	178.	154.	400.	265.
9 37 4	-.50	120.7	65.	.117	0.000	.401	135.	169.	378.	179.	153.	400.	264.
9 37 9	-.45	123.3	64.	.108	-.015	.374	134.	171.	377.	178.	152.	400.	263.
9 37 9	-.05	125.9	65.	.086	-.059	.362	133.	157.	376.	176.	152.	400.	261.
9 37 14	-.67	125.6	65.	.120	-.029	.398	133.	159.	378.	176.	152.	400.	260.
9 37 19	-.38	129.8	63.	.171	-.029	.318	132.	163.	379.	176.	151.	400.	260.
9 37 24	-.60	127.2	62.	.139	-.020	.332	132.	165.	371.	171.	152.	400.	259.
9 37 29	-.30	123.9	63.	.137	-.005	.386	132.	171.	375.	175.	153.	400.	258.
9 77 34	-.40	126.2	62.	.176	-.002	.430	132.	171.	37[illegible].	176.	152.	401.	257.
9 37 40	-.65	127.8	65.	.259	-.024	.684	133.	170.	384.	175.	149.	400.	257.
9 37 45	-.75	126.9	66.	.232	-.010	.672	132.	173.	393.	175.	149.	400.	257.
9 37 50	-.25	125.9	64.	.210	-.044	.621	132.	167.	404.	168.	160.	400.	251.
9 37 55	-.47	127.2	64.	.205	-.017	.640	133.	170.	408.	169.	160.	400.	251.
9 38 0	-.80	121.4	66.	.200	-.015	.645	132.	161.	416.	174.	164.	400.	250.
9 38 5	-.77	123.0	68.	.198	0.000	.652	132.	159.	419.	175.	165.	400.	250.
9 38 10	-.45	125.9	69.	.171	0.000	.626	132.	172.	419.	180.	158.	400.	250.
9 38 15	-.67	126.2	68.	.176	-.007	.633	135.	172.	419.	180.	158.	400.	249.
9 38 20	-1.00	125.2	66.	.161	-.039	.635	133.	150.	423.	188.	169.	400.	244.
9 38 25	-.70	125.2	64.	.169	-.007	.650	134.	159.	423.	182.	170.	400.	245.
9 38 30	-.85	120.7	66.	.186	-.010	.650	132.	162.	425.	189.	173.	400.	245.
9 38 35	-.75	123.6	67.	.164	-.010	.648	132.	166.	427.	188.	174.	400.	245.
9 38 40	-.30	124.6	62.	.147	-.005	.616	126.	158.	425.	193.	164.	400.	245.
9 38 45	-.45	125.6	65.	.166	0.000	.616	129.	162.	425.	193.	163.	400.	244.
9 38 50	-.55	126.5	67.	.200	.005	.635	133.	174.	428.	196.	157.	408.	246.
9 38 55	-.62	127.5	66.	.200	.005	.630	133.	171.	427.	193.	158.	400.	247.
9 39 0	-.30	124.6	67.	.156	.005	.547	132.	169.	429.	194.	160.	400.	242.
9 39 5	-.32	123.3	68.	.166	.002	.555	133.	163.	428.	193.	160.	400.	241.
9 39 10	-.35	126.5	63.	.147	-.034	.543	132.	176.	430.	191.	158.	400.	244.
9 39 20	-.37	126.9	63.	.130	.002	.536	133.	171.	427.	190.	157.	400.	242.
9 39 20	-.50	125.2	64.	.147	-.044	.503	132.	176.	430.	189.	158.	400.	240.
9 47 6	4.75	127.2	64.	.156	-.020	.501	133.	175.	428.	179.	152.	393.	229.
9 47 11	10.10	127.2	66.	.152	-.010	.425	134.	161.	428.	172.	147.	398.	218.
9 47 16	9.98	127.5	66.	.169	-.010	.474	134.	170.	427.	171.	147.	399.	212.
9 48 25	6.50	123.3	63.	.156	0.000	.469	134.	174.	419.	171.	147.	398.	210.
9 48 30	6.50	125.9	63.	.156	-.024	.464	132.	172.	426.	169.	146.	398.	213.
9 48 35	6.88	129.8	62.	.191	0.000	.464	135.	171.	430.	169.	146.	398.	214.
10 0 22	3.18	128.1	63.	.188	0.000	.491	136.	176.	429.	169.	147.	398.	211.
10 0 27	-.88	129.8	69.	.303	-.005	.547	137.	177.	430.	168.	149.	398.	207.
10 0 32	-.50	129.4	68.	.320	.093	.552	135.	179.	455.	169.	146.	398.	205.
10 0 37	-.45	130.4	67.	.391	.152	.469	135.	165.	482.	171.	146.	397.	208.

TIME H/M/S		CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAT PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 60 TEMP AIR DWNSTR OF ANTI ICE VL
18	8 42	-.52	130.7	68.	.398	.200	.450	135.	169.	489.	171.	146.	397.	201.
18	8 47	-.30	130.4	63.	.391	.313	.445	134.	164.	512.	171.	147.	397.	201.
18	8 52	-.32	130.7	65.	.367	.318	.423	135.	166.	514.	171.	147.	397.	201.
18	8 57	-.65	130.4	70.	.371	.288	.386	135.	168.	521.	172.	149.	398.	203.
18	1 2	-.47	129.8	66.	.376	.298	.396	135.	173.	525.	171.	148.	398.	203.
18	1 12	-.45	129.8	69.	.352	.279	.381	136.	180.	531.	172.	145.	398.	203.
18	1 17	-.40	131.4	67.	.440	.342	.413	135.	177.	534.	171.	145.	398.	201.
18	1 22	-.65	136.9	66.	.606	.489	.411	135.	180.	552.	170.	143.	397.	203.
18	1 27	-.48	133.8	67.	.623	.515	.430	135.	178.	560.	170.	144.	397.	203.
18	1 32	-.85	131.1	65.	.582	.601	.401	131.	178.	577.	171.	145.	397.	203.
18	1 32	-.57	130.7	63.	.594	.562	.362	134.	182.	581.	171.	146.	397.	206.
18	1 42	-.70	129.8	72.	.430	.550	.308	136.	178.	586.	170.	146.	398.	203.
18	1 42	-.45	133.8	69.	.464	.555	.298	136.	172.	589.	171.	147.	398.	205.
18	1 47	-.70	130.4	72.	.362	.445	.249	125.	183.	597.	171.	141.	397.	209.
18	1 52	-.70	129.1	71.	.435	.447	.308	131.	182.	599.	171.	143.	397.	208.
18	1 57	-.80	129.1	69.	.469	.406	.327	134.	157.	600.	172.	147.	397.	207.
18	2 2	-.88	130.4	70.	.479	.428	.330	135.	165.	602.	170.	147.	397.	208.
18	2 7	-.40	128.5	68.	.503	.420	.352	136.	180.	604.	172.	147.	398.	213.
18	2 13	-.50	128.8	69.	.503	.445	.371	136.	179.	604.	171.	144.	397.	211.
18	2 18	-.70	128.5	69.	.479	.464	.420	136.	179.	608.	170.	146.	397.	212.
18	2 23	-.67	128.1	69.	.481	.435	.381	136.	182.	606.	170.	146.	397.	211.
18	2 28	-.45	130.4	65.	.323	.406	.381	136.	178.	601.	171.	145.	393.	213.
18	2 33	-.47	128.8	63.	.208	.183	.305	136.	180.	581.	173.	145.	395.	216.
18	2 38	-.55	130.4	63.	.117	.010	.303	131.	178.	526.	170.	147.	397.	218.
18	2 43	-.60	130.4	63.	.076	0.000	.283	133.	173.	513.	169.	147.	397.	221.
18	42 48	-.70	127.2	65.	.029	-.005	.171	136.	182.	477.	171.	147.	397.	225.
18	2 53	-.75	128.1	64.	.064	-.002	.257	136.	179.	467.	170.	147.	397.	224.
18	2 58	-.25	129.1	59.	.078	-.020	.332	135.	174.	445.	170.	148.	398.	224.
18	3 3	-.45	129.8	62.	.105	-.020	.367	136.	180.	438.	170.	148.	398.	224.
18	43 8	-.80	126.5	64.	.073	-.049	.391	136.	185.	427.	157.	147.	398.	223.
18	3 13	-.57	126.9	61.	.090	-.042	.349	135.	182.	425.	163.	144.	398.	224.
18	3 18	-.40	131.1	62.	.205	-.010	.626	135.	176.	420.	169.	147.	398.	224.
18	3 23	-.48	130.7	62.	.205	-.024	.633	136.	181.	423.	169.	144.	398.	224.
18	3 28	-.80	130.4	65.	.225	.020	.733	136.	185.	432.	170.	147.	397.	223.
18	3 33	-.55	129.1	64.	.215	.005	.696	137.	184.	436.	168.	147.	398.	222.
18	3 38	-.60	126.5	66.	.203	0.000	.699	137.	185.	440.	167.	149.	398.	223.
18	43 48	-.58	127.5	65.	.188	-.010	.670	136.	177.	441.	168.	148.	398.	222.
18	3 53	-1.05	130.4	61.	-.059	-.083	.239	136.	169.	438.	169.	145.	LOW	220.
18	3 58	-.85	130.4	47.	-.034	-.037	.125	136.	173.	435.	169.	147.	*000000.	222.
18	4 3	-.85	129.1	18.	-.044	-.010	0.000	136.	178.	430.	167.	155.	400.	228.
18	4 8	-.67	129.8	13.	-.044	0.000	-.020	136.	178.	438.	168.	157.	400.	218.
18	4 8	-.40	129.1	1.	-.064	.010	-.029	137.	177.	429.	168.	161.	400.	207.

C_COMMUTATOR

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TIME H/M/S	AF 39 - BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 DEGF
8 57 9	LOW	848.	122.	126.
8 57 14	LOW	848.	122.	125.
8 57 19	LOW	848.	121.	124.
8 57 24	LOW	848.	121.	124.
8 57 29	LOW	848.	124.	125.
8 57 42	LOW	848.	124.	128.
8 57 39	LOW	848.	123.	124.
8 57 49	LOW	848.	119.	124.
8 57 54	LOW	848.	123.	124.
8 57 59	LOW	848.	122.	122.
8 58 4	LOW	848.	121.	124.
8 58 9	LOW	848.	118.	122.
8 58 9	LOW	848.	122.	125.
8 58 14	LOW	848.	122.	125.
8 58 19	LOW	848.	122.	124.
8 58 24	LOW	848.	122.	124.
8 58 29	LOW	848.	123.	125.
8 58 34	LOW	848.	122.	125.
8 58 40	LOW	848.	123.	125.
8 58 45	LOW	848.	123.	125.
8 58 50	LOW	848.	123.	121.
8 58 55	LOW	848.	123.	122.
8 59 8	LOW	848.	123.	125.
8 59 5	LOW	848.	122.	125.
8 59 10	LOW	848.	123.	124.
8 59 15	LOW	848.	122.	124.
8 59 28	LOW	848.	123.	123.
9 10 18	LOW	544.	123.	125.
9 10 23	LOW	848.	121.	124.
9 10 28	LOW	848.	121.	125.
9 10 33	LOW	848.	123.	123.
9 10 38	LOW	848.	122.	124.
9 10 43	LOW	848.	123.	125.
9 10 53	LOW	848.	122.	126.
9 10 58	LOW	848.	122.	123.
9 11 3	LOW	848.	122.	123.
9 11 3	LOW	848.	122.	123.
9 51 8	*888888.	848.	122.	123.
9 11 13	848.	848.	122.	125.
9 11 23	848.	848.	122.	125.
9 11 28	848.	848.	123.	124.
9 11 28	848.	848.	122.	124.
9 11 33	848.	848.	121.	123.
9 11 38	848.	848.	122.	123.
9 11 43	848.	848.	122.	123.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
9 51 48	848.	848.	122.	124.
9 11 53	848.	848.	122.	124.
9 51 58	848.	848.	122.	124.
9 12 4	848.	848.	121.	123.
9 12 9	848.	848.	121.	123.
9 12 14	848.	848.	123.	123.
9 12 19	848.	848.	123.	123.
9 12 24	848.	848.	123.	125.
9 12 29	848.	848.	122.	125.
9 12 34	848.	848.	121.	116.
9 12 39	848.	848.	122.	119.
9 12 44	848.	848.	116.	124.
9 12 49	848.	848.	119.	126.
9 12 54	848.	848.	121.	125.
9 12 59	848.	848.	123.	124.
9 13 4	848.	848.	121.	125.
9 13 9	848.	848.	121.	124.
9 13 14	848.	848.	121.	123.
9 13 19	848.	848.	121.	122.
9 13 29	848.	848.	118.	125.
9 13 34	848.	848.	120.	124.
9 13 39	848.	848.	123.	123.
9 13 39	848.	848.	123.	124.
9 13 44	848.	848.	121.	123.
9 13 49	848.	848.	121.	124.
9 13 59	848.	848.	123.	126.
9 14 12	848.	848.	123.	125.
9 14 9	848.	848.	121.	123.
9 14 9	848.	848.	122.	124.
9 14 14	848.	848.	123.	123.
9 14 19	848.	848.	123.	124.
9 14 24	848.	848.	124.	126.
9 14 29	848.	848.	123.	126.
9 14 34	848.	848.	121.	121.
9 14 40	848.	848.	122.	123.
9 14 45	848.	848.	121.	127.
9 14 50	848.	848.	122.	126.
9 14 55	848.	848.	121.	126.
9 15 0	848.	848.	121.	126.
9 15 5	848.	848.	121.	127.
9 15 10	848.	848.	122.	127.
9 15 15	848.	848.	123.	124.
9 15 20	840.	848.	123.	125.
9 15 25	848.	848.	122.	127.
9 15 30	848.	848.	122.	127.
9 15 35	848.	848.	122.	127.
9 15 40	848.	848.	123.	127.
9 15 45	848.	848.	119.	128.
9 15 50	848.	848.	120.	128.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
9 15 55	848.	848.	122.	128.
9 16 5	848.	848.	120.	127.
9 16 10	848.	848.	124.	125.
9 16 10	848.	848.	123.	124.
9 16 15	848.	848.	125.	125.
9 16 20	848.	848.	123.	126.
9 16 25	848.	848.	116.	130.
9 16 35	848.	848.	119.	128.
9 16 40	848.	848.	123.	116.
9 16 45	848.	848.	122.	118.
9 16 45	848.	848.	121.	127.
9 16 50	848.	848.	121.	127.
9 16 55	848.	848.	125.	128.
9 17 0	848.	848.	122.	130.
9 17 5	848.	848.	125.	127.
9 17 10	848.	848.	124.	127.
9 17 16	848.	848.	122.	133.
9 17 21	848.	848.	122.	132.
9 17 26	848.	848.	125.	127.
9 17 31	848.	848.	123.	128.
9 17 36	848.	848.	123.	130.
9 17 41	848.	848.	123.	130.
9 17 46	848.	848.	123.	132.
9 17 51	848.	848.	122.	133.
9 17 56	848.	848.	121.	132.
9 18 1	848.	848.	122.	129.
9 18 6	848.	848.	124.	130.
9 18 11	848.	848.	123.	132.
9 18 16	848.	848.	123.	132.
9 18 21	848.	848.	123.	133.
9 18 26	848.	848.	124.	132.
9 18 31	848.	848.	123.	133.
9 18 41	848.	848.	125.	130.
9 18 41	848.	848.	124.	130.
9 18 46	848.	848.	124.	128.
9 18 51	848.	848.	123.	131.
9 18 56	848.	848.	121.	134.
9 19 1	848.	848.	121.	136.
9 19 11	848.	848.	122.	134.
9 19 16	848.	848.	122.	134.
9 19 21	848.	848.	121.	129.
9 19 26	848.	848.	122.	132.
9 19 26	848.	848.	125.	134.
9 19 31	848.	848.	125.	133.
9 19 36	848.	848.	122.	130.
9 19 41	848.	848.	122.	133.
9 19 46	848.	848.	122.	133.
9 19 59	848.	848.	121.	133.
9 19 57	848.	848.	123.	132.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 48 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
9 20 2	848.	848.	123.	133.
9 20 7	848.	848.	123.	133.
9 20 12	848.	848.	122.	134.
9 20 17	848.	848.	125.	129.
9 20 22	848.	848.	126.	133.
9 20 27	848.	848.	122.	137.
9 20 32	848.	848.	122.	135.
9 20 37	848.	848.	121.	137.
9 20 42	848.	848.	122.	135.
9 20 47	848.	848.	124.	137.
9 20 52	848.	848.	125.	135.
9 20 57	848.	848.	121.	137.
9 21 2	848.	848.	122.	137.
9 21 7	848.	848.	120.	137.
9 21 17	848.	848.	123.	138.
9 21 17	848.	848.	123.	134.
9 21 22	848.	848.	124.	134.
9 21 27	848.	848.	122.	139.
9 21 32	848.	848.	123.	148.
9 21 37	848.	848.	123.	126.
9 61 47	848.	848.	123.	130.
9 21 52	848.	848.	125.	133.
9 21 57	848.	848.	123.	135.
9 22 2	848.	848.	121.	136.
9 22 2	848.	848.	122.	135.
9 22 7	848.	848.	123.	133.
9 22 12	848.	848.	123.	134.
9 22 17	848.	848.	122.	136.
9 22 22	848.	848.	122.	133.
9 22 35	848.	848.	123.	134.
9 22 33	848.	848.	124.	134.
9 22 38	848.	848.	125.	134.
9 22 43	848.	848.	124.	136.
9 62 48	848.	848.	124.	134.
9 22 53	848.	848.	123.	134.
9 22 58	848.	848.	123.	135.
9 23 3	848.	848.	122.	137.
9 63 8	848.	848.	121.	137.
9 23 13	848.	848.	123.	135.
9 23 18	848.	848.	122.	136.
9 23 23	848.	848.	124.	135.
9 23 28	848.	848.	125.	132.
9 23 33	848.	848.	124.	132.
9 23 38	848.	848.	121.	132.
9 23 43	848.	848.	123.	133.
9 63 48	848.	848.	121.	136.
9 23 53	848.	848.	121.	135.
9 23 58	848.	848.	124.	135.
9 24 3	848.	848.	123.	136.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
9 24 8	848.	848.	125.	132.
9 24 13	848.	848.	124.	133.
9 24 23	848.	848.	124.	134.
9 24 23	848.	848.	124.	134.
9 28 16	171.	848.	122.	134.
9 28 21	509.	848.	123.	133.
9 28 34	848.	848.	124.	132.
9 28 31	848.	848.	124.	132.
9 28 36	848.	848.	124.	132.
9 28 41	848.	848.	123.	132.
9 28 46	848.	848.	125.	134.
9 28 56	848.	848.	125.	133.
9 29 1	848.	848.	123.	131.
9 29 6	848.	848.	127.	131.
9 29 11	848.	848.	123.	133.
9 29 16	848.	848.	123.	132.
9 29 16	848.	848.	123.	131.
9 29 21	848.	848.	123.	131.
9 29 26	848.	848.	123.	133.
9 29 31	848.	848.	122.	133.
9 29 36	848.	848.	121.	133.
9 29 41	848.	848.	123.	132.
9 29 47	848.	848.	123.	134.
9 29 52	848.	848.	122.	131.
9 29 65	848.	848.	123.	134.
9 30 2	848.	848.	123.	133.
9 30 7	848.	848.	125.	133.
9 30 12	848.	848.	125.	133.
9 30 17	848.	848.	123.	136.
9 30 22	848.	848.	122.	135.
9 30 27	848.	848.	124.	136.
9 30 32	848.	848.	124.	135.
9 30 37	848.	848.	125.	134.
9 30 42	848.	848.	124.	134.
9 30 47	848.	848.	127.	134.
9 30 52	848.	848.	125.	133.
9 30 57	848.	848.	121.	134.
9 31 2	848.	848.	122.	134.
9 31 7	848.	848.	121.	141.
9 31 12	848.	848.	122.	138.
9 31 17	848.	848.	125.	134.
9 31 22	848.	848.	124.	136.
9 71 32	848.	848.	121.	134.
9 31 37	848.	848.	122.	134.
9 31 42	848.	848.	123.	132.
9 31 47	848.	848.	124.	134.
9 31 52	848.	848.	125.	136.
9 31 57	848.	848.	124.	135.
9 31 57	848.	848.	123.	133.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
9 32 2	848.	848.	124.	132.
9 32 7	848.	848.	123.	134.
9 32 12	848.	848.	123.	135.
9 32 17	848.	848.	123.	134.
9 32 22	848.	848.	123.	134.
9 32 28	848.	848.	123.	136.
9 32 33	848.	848.	124.	136.
9 32 38	848.	848.	123.	135.
9 32 43	848.	848.	123.	133.
9 72 48	848.	848.	125.	134.
9 32 53	848.	848.	125.	133.
9 32 58	848.	848.	124.	133.
9 33 3	848.	848.	124.	133.
9 73 8	848.	848.	122.	134.
9 33 13	848.	848.	123.	135.
9 33 18	848.	848.	124.	134.
9 33 23	848.	848.	120.	131.
9 33 28	848.	848.	124.	135.
9 33 33	848.	848.	123.	135.
9 33 38	848.	848.	122.	136.
9 33 43	848.	848.	123.	136.
9 73 48	848.	848.	123.	131.
9 33 53	848.	848.	123.	133.
9 33 58	848.	848.	123.	134.
9 34 8	848.	848.	125.	134.
9 34 13	848.	848.	125.	136.
9 34 18	848.	848.	126.	135.
9 34 23	848.	848.	124.	136.
9 34 28	848.	848.	125.	135.
9 34 33	848.	848.	124.	134.
9 34 33	848.	848.	123.	134.
9 34 38	848.	848.	119.	135.
9 34 43	848.	848.	122.	135.
9 34 48	848.	848.	123.	131.
9 34 53	848.	848.	124.	132.
9 34 58	848.	848.	123.	136.
9 35 4	848.	848.	125.	135.
9 35 9	848.	848.	122.	140.
9 35 14	848.	848.	123.	137.
9 35 19	848.	848.	124.	133.
9 35 24	848.	848.	125.	135.
9 35 29	848.	848.	123.	133.
9 35 34	848.	848.	124.	135.
9 35 39	848.	848.	124.	136.
9 35 44	848.	848.	126.	135.
9 35 49	848.	848.	124.	137.
9 35 54	848.	848.	124.	137.
9 35 59	848.	848.	121.	136.
9 36 4	848.	848.	123.	135.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
9 36 9	848.	848.	123.	139.
9 36 14	848.	848.	124.	138.
9 36 19	848.	848.	124.	135.
9 36 24	848.	848.	124.	134.
9 36 29	848.	848.	123.	134.
9 36 34	848.	848.	123.	137.
9 36 44	848.	848.	124.	138.
9 36 49	848.	848.	124.	139.
9 36 54	848.	848.	127.	134.
9 36 59	848.	848.	125.	133.
9 37 4	848.	848.	122.	136.
9 37 9	848.	848.	123.	133.
9 37 9	848.	848.	123.	137.
9 37 14	848.	848.	123.	137.
9 37 19	848.	848.	121.	134.
9 37 24	848.	848.	125.	135.
9 37 29	848.	848.	127.	132.
9 77 34	848.	848.	126.	135.
9 37 40	848.	848.	123.	134.
9 37 45	848.	848.	124.	133.
9 37 50	848.	848.	126.	136.
9 37 55	848.	848.	125.	133.
9 38 0	848.	848.	124.	137.
9 38 5	848.	848.	124.	137.
9 38 10	848.	848.	125.	135.
9 38 15	848.	848.	126.	134.
9 38 20	848.	848.	123.	137.
9 38 25	848.	848.	122.	137.
9 38 30	848.	848.	124.	139.
9 38 35	848.	848.	126.	137.
9 38 40	848.	848.	125.	139.
9 38 45	848.	848.	124.	136.
9 38 50	848.	848.	124.	133.
9 38 55	848.	848.	123.	134.
9 39 0	848.	848.	127.	134.
9 39 5	848.	848.	126.	138.
9 39 10	848.	848.	125.	133.
9 39 20	848.	848.	124.	135.
9 39 20	848.	848.	126.	131.
9 47 6	*000000.	848.	124.	136.
9 47 11	221.	848.	129.	137.
9 47 16	535.	848.	122.	138.
9 48 25	LOW	848.	125.	137.
9 48 30	*000000.	848.	126.	138.
9 48 35	848.	848.	124.	141.
10 8 22	*000000.	848.	123.	142.
10 8 27	299.	848.	122.	144.
10 8 32	573.	848.	119.	140.
10 8 37	848.	848.	126.	137.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
10 0 42	848.	848.	126.	137.
10 0 47	848.	848.	127.	137.
10 0 52	848.	848.	126.	139.
10 0 57	848.	848.	127.	139.
10 1 2	848.	848.	125.	141.
10 1 12	848.	848.	123.	143.
10 1 17	848.	848.	124.	142.
10 1 22	848.	848.	124.	142.
10 1 27	848.	848.	125.	142.
10 1 32	848.	848.	125.	141.
10 1 32	848.	848.	123.	143.
10 1 42	848.	848.	126.	142.
10 1 42	848.	848.	128.	138.
10 1 47	848.	848.	123.	139.
10 1 52	848.	848.	123.	143.
10 1 57	848.	848.	125.	139.
10 2 2	848.	848.	127.	138.
10 2 7	848.	848.	125.	136.
10 2 13	848.	848.	128.	140.
10 2 18	848.	848.	125.	139.
10 2 23	848.	848.	124.	144.
10 2 28	848.	848.	128.	142.
10 2 33	848.	848.	127.	143.
10 2 38	848.	848.	126.	143.
10 2 43	848.	848.	126.	142.
10 42 48	848.	848.	123.	144.
10 2 53	848.	848.	124.	144.
10 2 58	848.	848.	125.	145.
10 3 3	848.	848.	123.	146.
10 43 8	848.	848.	124.	145.
10 3 13	848.	848.	125.	145.
10 3 18	848.	848.	123.	144.
10 3 23	848.	848.	124.	144.
10 3 28	848.	848.	125.	144.
10 3 33	848.	848.	124.	145.
10 3 38	848.	848.	123.	143.
10 43 48	848.	848.	122.	141.
10 3 53	848.	848.	127.	143.
10 3 58	848.	848.	126.	142.
10 4 3	848.	848.	131.	143.
10 4 8	848.	848.	130.	143.
10 4 8	848.	848.	127.	142.

RUN 105-2 (105 DEGREES F), 30 MARCH 1972

Synopsis

This was the second test data run at 105 degrees F with about 50-percent relative humidity. After a 19-hour temperature soak, the right hand engine was started and a crossbleed made to the left. With the exception of the avionics, which degraded further, an uneventful test followed. Engine shutdown was 51 minutes after start.

Inoperative Parameters

AF-5**
AF-7
AF-8
AF-10*
AF-39
AF-40
EC-02
EC-28 (change sign)
EC-33 (change sign)
EC-56* (change sign)
EC-60
EC-62
EC-87
EC-91
EC-93
EC-99
EC-100
EC-101
EC-102
PR-04
PR-06
PR-25
PR-27A

*Intermittent

**Functions, but is not linear.

Crossed feedback pressure lines to the 4-3 hot air control-stabilizer existed during these tests.

Data Events (hr/min/sec)

Data On	Data Off	Event
125553	125708	Prestart soak data.
132220	132318	LH engine start and stabilize to idle.
132443	133140	Accel to 85 percent and ECS check.
135126	135307	CADC self check.
135720	135926	Run up to military power and fuel pressure.
140603	140638	Gear retraction check.
141309	141334	Idle data, RH engine shutdown.
141608	141636	LH engine shutdown.
141821	141907	Postflight data checks.

B COMMUTATOR

TIME H/M/S 01	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR ON	AF 2A POSITN MAIN LANONG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
12 55 53	0.	1.	0.	1.	0.	1.	16.8	287.36	LOW	71.93	0.	0.	-388.
12 55 58	0.	1.	0.	1.	0.	1.	16.5	285.78	LOW	68.79	0.	0.	-388.
12 56 3	0.	1.	0.	1.	0.	1.	16.3	285.78	LOW	66.76	0.	0.	-388.
12 56 8	0.	1.	0.	1.	0.	1.	16.1	284.87	LOW	65.84	0.	0.	-358.
12 56 13	0.	1.	0.	1.	0.	1.	16.8	282.37	LOW	66.02	0.	0.	-311.
12 56 18	0.	1.	0.	1.	0.	1.	16.1	284.84	*00.0000	66.02	0.	0.	-272.
12 56 23	0.	1.	0.	1.	0.	1.	16.8	285.78	LOW	66.02	0.	0.	-388.
12 56 28	0.	1.	0.	1.	0.	1.	16.5	285.78	LOW	65.84	0.	0.	-358.
12 56 38	0.	1.	0.	1.	0.	1.	16.8	285.78	LOW	66.02	0.	0.	-311.
12 56 43	0.	1.	0.	1.	0.	1.	16.8	285.78	*00.0000	65.29	0.	0.	-311.
12 56 51	0.	1.	0.	1.	0.	1.	16.8	292.35	LOW	66.02	0.	0.	-388.
12 56 48	0.	1.	0.	1.	0.	1.	17.1	289.83	LOW	65.47	0.	0.	-971.
12 56 53	0.	1.	0.	1.	0.	1.	16.8	279.85	LOW	65.66	0.	0.	-311.
12 56 58	0.	1.	0.	1.	0.	1.	16.8	282.37	*00.0000	65.66	0.	0.	-272.
12 57 3	0.	1.	0.	1.	0.	1.	16.1	285.78	LOW	65.29	0.	0.	-155.
12 57 8	0.	1.	0.	1.	0.	1.	16.8	287.36	LOW	65.10	0.	0.	-272.
13 22 20	0.	1.	0.	1.	0.	1.	16.8	0.00	.0475	53.85	0.	1.	-544.
13 22 25	0.	1.	0.	1.	0.	1.	17.4	0.00	.0593	53.67	0.	1.	-583.
13 22 30	0.	1.	0.	1.	0.	1.	19.4	1.68	.0844	53.11	0.	1.	-466.
13 22 35	0.	1.	0.	1.	0.	1.	181.9	.84	.0844	52.38	0.	1.	-583.
13 22 40	0.	1.	0.	1.	0.	1.	493.9	0.00	.0369	53.11	0.	1.	-932.
13 22 45	0.	1.	0.	1.	0.	1.	512.3	0.00	.0488	53.48	0.	1.	-660.
13 22 50	0.	1.	0.	1.	0.	1.	475.5	0.00	.0396	52.75	0.	0.	-621.
13 22 55	0.	1.	0.	1.	0.	1.	478.6	.84	.0607	53.11	0.	0.	-544.
13 23 0	0.	1.	0.	1.	0.	1.	489.0	0.00	.0607	53.48	0.	0.	-544.
13 23 5	0.	1.	0.	1.	0.	1.	492.1	.84	.0633	53.30	0.	0.	-466.
13 23 10	0.	1.	0.	1.	0.	1.	490.8	0.00	.0316	53.85	0.	0.	-699.
13 24 43	0.	1.	0.	1.	0.	1.	572.4	0.00	.0409	53.30	0.	0.	-738.
13 24 48	0.	1.	0.	1.	0.	1.	698.6	1.68	.0607	51.64	0.	0.	-544.
13 24 61	0.	1.	0.	1.	0.	1.	705.4	1.68	.0633	51.89	0.	0.	-738.
13 24 58	0.	1.	0.	1.	0.	1.	725.6	0.00	.0686	50.53	0.	0.	-311.
13 25 3	0.	1.	0.	1.	0.	1.	728.1	0.00	.0738	52.38	0.	0.	-505.
13 65 8	0.	1.	0.	1.	0.	1.	736.6	1.68	.0554	50.98	0.	0.	-621.
13 25 13	0.	1.	0.	1.	0.	1.	737.3	2.51	.0567	50.53	0.	0.	-621.
13 25 18	0.	1.	0.	1.	0.	1.	735.4	1.68	.0659	51.64	0.	0.	-854.
13 25 23	0.	1.	0.	1.	0.	1.	736.6	.84	.0567	51.27	0.	0.	-777.
13 25 28	0.	1.	0.	1.	0.	1.	737.9	LOW	.0527	51.27	0.	0.	-388.
13 25 33	0.	1.	0.	1.	0.	1.	730.5	*0000.00	.0541	51.82	0.	0.	-466.
13 25 38	0.	1.	0.	1.	0.	1.	737.9	1.68	.0475	51.64	0.	0.	-544.
13 25 43	0.	1.	0.	1.	0.	1.	738.5	.84	.0554	51.64	0.	0.	-583.
13 25 53	0.	1.	0.	1.	0.	1.	734.2	0.00	.0686	51.27	0.	0.	-621.
13 25 53	0.	1.	0.	1.	0.	1.	736.6	.84	.0607	51.27	0.	0.	-466.
13 25 58	0.	1.	0.	1.	0.	1.	741.5	0.00	.0607	51.64	0.	0.	-621.
13 26 3	0.	1.	0.	1.	0.	1.	740.3	.84	.0580	52.19	0.	0.	-699.
13 26 8	0.	1.	0.	1.	0.	1.	739.1	0.00	.0501	51.64	0.	0.	-544.

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DOWN	PR 03 TEMP TURBIN INLET TT5L/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG SIART L+R	EC 02 RATE ALT PRESS
13 26 13	0.	1.	0.	1.	0.	1.	739.1	.84	.0527	51.45	0.	0.	-583.
13 26 18	0.	1.	0.	1.	0.	1.	740.3	0.00	.0607	51.64	0.	0.	-854.
13 26 23	0.	1.	0.	1.	0.	1.	740.9	.84	.0567	50.72	0.	0.	-932.
13 26 29	0.	1.	0.	1.	0.	1.	742.8	LOW	.0659	54.22	0.	0.	-777.
13 26 34	0.	1.	0.	1.	0.	1.	740.9	*0000.00	.0554	53.30	0.	0.	-777.
13 26 39	0.	1.	0.	1.	0.	1.	739.1	0.00	.0554	52.38	0.	0.	-621.
13 26 44	0.	1.	0.	1.	0.	1.	739.7	.84	.0633	51.82	0.	0.	-505.
13 26 49	0.	1.	0.	1.	0.	1.	740.3	0.00	.0738	51.27	0.	0.	-544.
13 26 54	0.	1.	0.	1.	0.	1.	737.3	0.00	.0633	51.27	0.	0.	-544.
13 26 59	0.	1.	0.	1.	0.	1.	741.5	1.68	.0501	51.27	0.	0.	-854.
13 27 4	0.	1.	0.	1.	0.	1.	740.9	1.68	.0462	51.09	0.	0.	-816.
13 27 9	0.	1.	0.	1.	0.	1.	729.3	1.68	.0607	51.64	0.	0.	-621.
13 27 14	0.	1.	0.	1.	0.	1.	734.8	.84	.0646	51.64	0.	0.	-777.
13 27 19	0.	1.	0.	1.	0.	1.	733.0	0.00	.0607	50.53	0.	0.	-233.
13 27 24	0.	1.	0.	1.	0.	1.	733.6	*0000.00	.0581	50.53	0.	0.	-311.
13 27 29	0.	1.	0.	1.	0.	1.	730.5	0.00	.0475	52.75	0.	0.	-621.
13 27 34	0.	1.	0.	1.	0.	1.	731.7	.84	.0580	52.01	0.	0.	-583.
13 27 39	0.	1.	0.	1.	0.	1.	728.1	0.00	.0422	51.64	0.	0.	-699.
13 27 44	0.	1.	0.	1.	0.	1.	726.8	*0000.00	.0489	52.01	0.	0.	-699.
13 27 49	0.	1.	0.	1.	0.	1.	729.3	3.35	.0475	50.53	0.	0.	-544.
13 27 54	0.	1.	0.	1.	0.	1.	728.1	1.68	.0462	52.38	0.	0.	-738.
13 27 59	0.	1.	0.	1.	0.	1.	728.1	0.00	.0712	50.53	0.	0.	-932.
13 28 4	0.	1.	0.	1.	0.	1.	727.5	*0000.00	.0725	51.64	0.	0.	-699.
13 28 9	0.	1.	0.	1.	0.	1.	728.1	LOW	.0633	50.16	0.	0.	-155.
13 28 14	0.	1.	0.	1.	0.	1.	727.5	*0000.00	.0580	50.35	0.	0.	-505.
13 28 19	0.	1.	0.	1.	0.	1.	728.1	1.68	.0396	51.64	0.	0.	-621.
13 28 29	0.	1.	0.	1.	0.	1.	727.5	.84	.0541	51.45	0.	0.	-466.
13 28 29	0.	1.	0.	1.	0.	1.	725.6	0.00	.0396	52.01	0.	0.	-544.
13 28 34	0.	1.	0.	1.	0.	1.	725.6	0.00	.0541	51.45	0.	0.	-583.
13 28 39	0.	1.	0.	1.	0.	1.	725.6	3.35	.0686	52.01	0.	0.	-544.
13 28 44	0.	1.	0.	1.	0.	1.	726.8	1.68	.0646	51.27	0.	0.	-738.
13 28 49	0.	1.	0.	1.	0.	1.	728.1	1.68	.0659	53.48	0.	0.	-621.
13 28 54	0.	1.	0.	1.	0.	1.	718.9	.84	.0659	52.56	0.	0.	-544.
13 28 59	0.	1.	0.	1.	0.	1.	725.6	5.03	.0659	54.22	0.	0.	-854.
13 29 5	0.	1.	0.	1.	0.	1.	726.2	2.51	.0633	52.75	0.	0.	-854.
13 29 10	0.	1.	0.	1.	0.	1.	725.6	0.00	.0527	51.27	0.	0.	-466.
13 29 15	0.	1.	0.	1.	0.	1.	725.0	0.00	.0646	50.53	0.	0.	-583.
13 29 20	0.	1.	0.	1.	0.	1.	747.7	1.68	.0607	51.27	0.	0.	-699.
13 29 25	0.	1.	0.	1.	0.	1.	746.5	.84	.0567	51.82	0.	0.	-738.
13 29 30	0.	1.	0.	1.	0.	1.	744.0	1.68	.0607	51.27	0.	0.	-388.
13 29 35	0.	1.	0.	1.	0.	1.	745.2	.84	.0541	51.27	0.	0.	-816.
13 29 40	0.	1.	0.	1.	0.	1.	747.7	0.00	.0580	50.53	0.	0.	-699.
13 29 45	0.	1.	0.	1.	0.	1.	747.7	0.00	.0620	51.27	0.	0.	-816.
13 29 50	0.	1.	0.	1.	0.	1.	751.4	3.35	.0633	50.53	0.	0.	-544.
13 29 55	0.	1.	0.	1.	0.	1.	749.5	1.68	.0633	51.45	0.	0.	-738.
13 30 0	0.	1.	0.	1.	0.	1.	747.7	3.35	.0818	49.43	0.	0.	-777.
13 30 5	0.	1.	0.	1.	0.	1.	747.7	1.68	.0659	50.16	0.	0.	-1165.
13 30 10	0.	1.	0.	1.	0.	1.	747.7	1.68	.0791	52.75	0.	0.	-621.
13 30 15	0.	1.	0.	1.	0.	1.	747.1	.84	.0607	51.45	0.	0.	-699.

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSITN NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TT5L/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
01													
13 30 20	0.	1.	0.	1.	0.	1.	747.7	0.00	.0422	52.01	0.	0.	-621.
13 30 25	0.	1.	0.	1.	0.	1.	747.7	0.00	.0541	51.82	0.	0.	-427.
13 30 30	0.	1.	0.	1.	0.	1.	747.7	1.68	.0422	51.64	0.	0.	-621.
13 30 35	0.	1.	0.	1.	0.	1.	747.7	2.51	.0435	50.72	0.	0.	-621.
13 30 40	0.	1.	0.	1.	0.	1.	747.7	0.00	.0475	51.27	0.	0.	-854.
13 30 45	0.	1.	0.	1.	0.	1.	748.3	0.00	.0567	50.53	0.	0.	-1204.
13 30 50	0.	1.	0.	1.	0.	1.	747.7	LOW	.0633	50.90	0.	0.	-311.
13 30 55	0.	1.	0.	1.	0.	1.	748.3	*0000.00	.0659	51.09	0.	0.	-932.
13 31 0	0.	1.	0.	1.	0.	1.	748.9	1.68	.0475	49.80	0.	0.	-699.
13 31 5	0.	1.	0.	1.	0.	1.	748.9	.84	.0633	50.16	0.	0.	-660.
13 31 10	0.	1.	0.	1.	0.	1.	750.1	0.00	.0633	51.27	0.	0.	-699.
13 31 15	0.	1.	0.	1.	0.	1.	748.3	*0000.00	.0620	51.27	0.	0.	-621.
13 31 15	0.	1.	0.	1.	0.	1.	748.9	0.00	.0818	54.22	0.	0.	-544.
13 31 20	0.	1.	0.	1.	0.	1.	739.1	0.00	.0606	52.19	0.	0.	-544.
13 31 25	0.	1.	0.	1.	0.	1.	736.6	0.00	.0369	54.22	0.	0.	-854.
13 31 30	0.	1.	0.	1.	0.	1.	672.3	0.00	.0475	51.09	0.	0.	-1010.
13 31 35	0.	1.	0.	1.	0.	1.	581.0	1.68	.0607	51.27	0.	0.	-621.
13 31 40	0.	1.	0.	1.	0.	1.	558.9	.84	.0554	51.45	0.	0.	-583.
13 32 17	0.	1.	0.	1.	0.	1.	535.6	1.68	.0396	51.64	0.	0.	-621.
13 32 22	0.	1.	0.	1.	0.	1.	535.0	*0000.00	.0580	51.64	0.	0.	-621.
13 32 35	0.	1.	0.	1.	0.	1.	545.4	3.35	.0396	50.53	0.	0.	-621.
13 32 32	0.	1.	0.	1.	0.	1.	530.7	1.68	.0409	50.53	0.	0.	-660.
13 32 37	0.	1.	0.	1.	0.	1.	544.2	1.68	.0527	51.27	0.	0.	-388.
13 32 42	0.	1.	0.	1.	0.	1.	530.1	1.68	.0408	51.45	0.	0.	-544.
13 32 47	0.	1.	0.	1.	0.	1.	529.5	1.68	.0659	51.64	0.	0.	-621.
13 32 52	0.	1.	0.	1.	0.	1.	527.6	.84	.0541	51.09	0.	0.	-544.
13 32 57	0.	1.	0.	1.	0.	1.	528.3	1.68	.0581	49.63	0.	0.	-699.
13 33 2	0.	1.	0.	1.	0.	1.	528.3	.84	.0659	49.98	0.	0.	-699.
13 33 7	0.	1.	0.	1.	0.	1.	528.3	1.68	.0580	51.27	0.	0.	-544.
13 33 12	0.	1.	0.	1.	0.	1.	527.0	1.68	.0673	50.72	0.	0.	-621.
13 33 17	0.	1.	0.	1.	0.	1.	525.8	1.68	.0527	52.38	0.	0.	-699.
13 33 27	0.	1.	0.	1.	0.	1.	526.4	.84	.0541	52.01	0.	0.	-699.
13 33 27	0.	1.	0.	1.	0.	1.	527.0	0.00	.0581	50.16	0.	0.	-621.
13 33 33	0.	1.	0.	1.	0.	1.	527.0	2.51	.0448	51.09	0.	0.	-660.
13 33 38	0.	1.	0.	1.	0.	1.	527.0	1.68	.0791	50.53	0.	0.	-621.
13 33 43	0.	1.	0.	1.	0.	1.	527.6	.84	.0606	50.16	0.	0.	-1007.
13 33 53	0.	1.	0.	1.	0.	1.	527.0	0.00	.0659	50.90	0.	0.	-544.
13 33 53	0.	1.	0.	1.	0.	1.	527.0	0.00	.0567	50.98	0.	0.	-621.
13 33 58	0.	1.	0.	1.	0.	1.	527.0	0.00	.0448	50.16	0.	0.	-777.
13 34 3	0.	1.	0.	1.	0.	1.	526.4	0.00	.0409	52.19	0.	0.	-777.
13 34 8	0.	1.	0.	1.	0.	1.	527.0	0.00	.0448	50.98	0.	0.	-777.
13 34 13	0.	1.	0.	1.	0.	1.	527.0	0.00	.0435	49.80	0.	0.	-738.
13 34 18	0.	1.	0.	1.	0.	1.	527.0	0.00	.0422	50.98	0.	0.	-932.
13 34 23	0.	1.	0.	1.	0.	1.	525.8	*0000.00	.0435	51.64	0.	0.	-738.
13 34 29	0.	1.	0.	1.	0.	1.	527.0	0.00	.0475	51.27	0.	0.	-699.
13 34 34	0.	1.	0.	1.	0.	1.	527.6	0.00	.0580	50.98	0.	0.	-816.
13 34 39	0.	1.	0.	1.	0.	1.	529.5	3.35	.0527	51.27	0.	0.	-621.
13 34 44	0.	1.	0.	1.	0.	1.	528.3	1.68	.0620	51.45	0.	0.	-699.
13 34 49	0.	1.	0.	1.	0.	1.	527.0	1.68	.0607	49.80	0.	0.	-699.
13 34 54	0.	1.	0.	1.	0.	1.							

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TTSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
01													
13 34 59	0.	1.	0.	1.	0.	1.	526.4	*0000.00	.0712	50.16	0.	0.	-583.
13 35 4	0.	1.	0.	1.	0.	1.	527.0	1.68	.0712	51.27	0.	0.	-621.
13 35 9	0.	1.	0.	1.	0.	1.	527.0	2.51	.0686	50.90	0.	0.	-699.
13 35 14	0.	1.	0.	1.	0.	1.	533.2	1.68	.0554	50.90	0.	0.	-699.
13 35 19	0.	1.	0.	1.	0.	1.	532.5	.84	.0712	50.35	0.	0.	-660.
13 35 24	0.	1.	0.	1.	0.	1.	533.2	0.00	.0607	51.64	0.	0.	-699.
13 35 29	0.	1.	0.	1.	0.	1.	538.7	1.68	.0567	50.72	0.	0.	-738.
13 35 34	0.	1.	0.	1.	0.	1.	538.7	0.00	.0422	50.90	0.	0.	-544.
13 35 39	0.	1.	0.	1.	0.	1.	531.3	0.00	.0448	50.90	0.	0.	-544.
13 55 44	0.	1.	0.	1.	0.	1.	533.2	0.00	.0686	50.16	0.	0.	-932.
13 51 26	0.	1.	0.	1.	0.	1.	525.2	81.38	.1319	106.86	0.	0.	19536.
13 51 26	0.	1.	0.	1.	0.	1.	518.5	379.98	.7617	327.38	0.	0.	40000.
13 51 31	0.	1.	0.	1.	0.	1.	517.2	729.86	.8468	326.68	0.	0.	40000.
13 51 36	0.	1.	0.	1.	0.	1.	516.0	887.93	1.1263	322.94	0.	0.	40000.
13 51 41	0.	1.	0.	1.	0.	1.	517.8	945.33	1.2287	324.19	0.	0.	40000.
13 51 46	0.	1.	0.	1.	0.	1.	517.2	1122.51	1.5734	326.37	0.	0.	40000.
13 51 51	0.	1.	0.	1.	0.	1.	516.6	1188.73	1.7185	325.98	0.	0.	40000.
13 51 57	0.	1.	0.	1.	0.	1.	513.5	1323.81	2.1118	325.12	0.	0.	-466.
13 52 2	0.	1.	0.	1.	0.	1.	514.2	1313.82	2.0977	325.28	0.	0.	-505.
13 52 15	0.	1.	0.	1.	0.	1.	518.5	1320.48	2.0951	324.81	0.	0.	-621.
13 52 12	0.	1.	0.	1.	0.	1.	517.8	317.85	1.4666	324.81	0.	0.	*737856.
13 52 17	0.	1.	0.	1.	0.	1.	517.2	139.16	.1952	326.37	0.	0.	LOW
13 52 22	0.	1.	0.	1.	0.	1.	517.2	128.26	.1793	326.86	0.	0.	LOW
13 52 35	0.	1.	0.	1.	0.	1.	513.5	92.21	.1168	324.19	0.	0.	LOW
13 52 32	0.	1.	0.	1.	0.	1.	528.9	82.99	.1288	325.28	0.	0.	LOW
13 52 37	0.	1.	0.	1.	0.	1.	517.2	45.27	.1188	325.12	0.	0.	LOW
13 52 42	0.	1.	0.	1.	0.	1.	517.8	31.86	.0884	325.12	0.	0.	LOW
13 52 47	0.	1.	0.	1.	0.	1.	516.0	0.00	.0791	325.43	0.	0.	-466.
13 52 52	0.	1.	0.	1.	0.	1.	517.2	.84	.0699	324.97	0.	0.	-544.
13 52 57	0.	1.	0.	1.	0.	1.	518.5	144.19	.2057	325.43	0.	0.	-544.
13 53 2	0.	1.	0.	1.	0.	1.	517.8	145.83	.1859	325.43	0.	0.	-505.
13 53 7	0.	1.	0.	1.	0.	1.	519.7	1.68	.0527	326.06	0.	0.	-466.
13 57 20	0.	1.	0.	1.	0.	1.	528.3	.84	.0581	325.98	0.	0.	-583.
13 57 25	0.	1.	0.	1.	0.	1.	519.7	1.68	.0369	326.06	0.	0.	-699.
13 57 30	0.	1.	0.	1.	0.	1.	575.5	7.54	.0435	325.43	0.	0.	-738.
13 57 35	0.	1.	0.	1.	0.	1.	605.2	0.00	.0765	325.12	0.	0.	-544.
13 57 40	0.	1.	0.	1.	0.	1.	712.1	0.00	.0646	324.50	0.	0.	-660.
13 57 45	0.	1.	0.	1.	0.	1.	788.1	15.89	.0712	326.06	0.	0.	-1553.
13 57 50	0.	1.	0.	1.	0.	1.	814.5	7.54	.0554	326.52	0.	0.	-1553.
13 58 0	0.	1.	0.	1.	0.	1.	982.1	0.00	.0422	326.68	0.	0.	-544.
13 58 0	0.	1.	0.	1.	0.	1.	943.8	.84	.0462	325.98	0.	0.	-699.
13 58 5	0.	1.	0.	1.	0.	1.	1060.8	0.00	.0581	324.50	0.	0.	-544.
13 58 10	0.	1.	0.	1.	0.	1.	1072.5	0.00	.0620	324.81	0.	0.	-388.
13 58 15	0.	1.	0.	1.	0.	1.	1082.3	1.68	.0554	323.88	0.	0.	-621.
13 58 20	0.	1.	0.	1.	0.	1.	1082.9	*0000.00	.0633	324.81	0.	0.	-621.
13 58 25	0.	1.	0.	1.	0.	1.	1093.4	1.68	.0607	324.19	0.	0.	-544.
13 58 31	0.	1.	0.	1.	0.	1.	1090.3	.84	.0686	324.65	0.	0.	-583.
13 58 36	0.	1.	0.	1.	0.	1.	1086.0	0.00	.0396	325.43	0.	0.	-621.
13 58 41	0.	1.	0.	1.	0.	1.	1087.2	0.00	.0607	324.65	0.	0.	-621.

TIME H/M/S	AF 1A INIT LANDNG GEAR UP	AF 1B INIT LANDNG GEAR DN	AF 2A POSITN MAIN LANDNG GR UP	AF 2B POSITN MAIN LANDNG GR DN	AF 3A POSINT NOSE LANDNG GR UP	AF 3B POSITN NOSE LANDNG GEAR DWN	PR 03 TEMP TURBIN INLET TYSL/H ENGINE	CS 01 AIRSPD (TRUE)	CS 02 MACH NUMBER	CS 04 HEADNG ARCRFT	IN 03 EVENT MARKER CAMERA SWITCH	IN 04 INT ENG START L+R	EC 02 RATE ALT PRESS
13 58 46	0.	1.	0.	1.	0.	1.	1887.2	0.00	.0738	324.81	0.	0.	-1243.
13 58 51	0.	1.	0.	1.	0.	1.	1024.1	0.00	.0712	324.97	0.	0.	-1243.
13 58 56	0.	1.	0.	1.	0.	1.	664.3	0.00	.0686	325.12	0.	0.	-777.
13 59 1	0.	1.	0.	1.	0.	1.	652.1	.84	.0620	324.65	0.	0.	-621.
13 59 6	0.	1.	0.	1.	0.	1.	686.7	1.68	.0396	325.43	0.	0.	-621.
13 59 11	0.	1.	0.	1.	0.	1.	596.3	1.68	.0580	325.28	0.	0.	-777.
13 59 16	0.	1.	0.	1.	0.	1.	572.4	0.00	.0581	324.81	0.	0.	-621.
13 59 21	0.	1.	0.	1.	0.	1.	566.9	*0000.00	.0448	324.19	0.	0.	-738.
13 59 26	0.	1.	0.	1.	0.	1.	556.5	0.00	.0686	325.12	0.	0.	-699.
14 6 3	1.	1.	0.	1.	0.	1.	546.6	0.00	.0686	324.97	0.	0.	-699.
14 6 8	1.	0.	0.	0.	1.	0.	550.3	0.00	.0422	324.50	0.	0.	-777.
14 46 13	1.	0.	1.	0.	1.	0.	546.6	0.00	.0527	324.03	0.	0.	-699.
14 6 23	1.	0.	1.	0.	1.	0.	538.1	0.00	.0422	324.81	0.	0.	-621.
14 6 23	1.	0.	1.	0.	1.	0.	539.9	.84	.0501	324.97	0.	0.	-583.
14 6 33	1.	0.	1.	0.	1.	0.	541.7	1.68	.0581	325.43	0.	0.	-544.
14 6 33	1.	1.	1.	0.	1.	0.	541.1	7.54	.0501	325.43	0.	0.	-699.
14 46 38	0.	1.	0.	0.	0.	0.	536.8	0.00	.0501	326.86	0.	0.	-1553.
45 85 85	0.	1.	0.	1.	0.	1.	537.5	0.00	.0501	325.90	0.	0.	-971.
14 13 9	0.	1.	0.	1.	0.	1.	617.7	1.68	.0396	325.74	0.	0.	-544.
14 13 14	0.	1.	0.	1.	0.	1.	622.0	*0000.00	*00.0000	324.81	0.	0.	-621.
14 13 19	0.	1.	0.	1.	0.	1.	630.0	LOW	.0211	323.88	0.	0.	-854.
14 13 24	0.	1.	0.	1.	0.	1.	633.1	*0000.00	*00.0000	324.19	0.	0.	-854.
14 13 29	0.	1.	0.	1.	0.	1.	636.1	0.00	LOW	324.19	0.	0.	-621.
14 13 34	0.	1.	0.	1.	0.	1.	638.0	1.68	LOW	323.41	0.	0.	-621.
0 0 0	0.	1.	0.	1.	0.	1.	642.3	0.00	LOW	323.88	0.	0.	-621.
45 85 85	0.	1.	0.	1.	0.	1.	643.5	0.00	LOW	324.03	0.	0.	-583.
45 85 85	0.	1.	0.	1.	0.	1.	645.9	1.68	LOW	324.81	0.	0.	-699.
14 16 8	0.	1.	0.	1.	0.	1.	646.5	*0000.00	*00.0000	324.81	0.	0.	-660.
14 16 5	0.	1.	0.	1.	0.	1.	425.3	0.00	0.0000	322.81	0.	0.	-621.
14 16 10	0.	1.	0.	1.	0.	1.	388.5	.84	*00.0000	322.79	0.	0.	-621.
14 16 15	0.	1.	0.	1.	0.	1.	338.3	3.35	.0053	325.12	0.	0.	-699.
14 16 21	0.	1.	0.	1.	0.	1.	335.8	1.68	*00.0000	325.43	0.	0.	-660.
14 16 26	0.	1.	0.	1.	0.	1.	361.5	1.68	LOW	325.74	0.	0.	-544.
14 16 31	0.	1.	0.	1.	0.	1.	383.0	*0000.00	LOW	326.21	0.	0.	-544.
14 16 36	0.	1.	0.	1.	0.	1.	419.2	0.00	LOW	324.81	0.	0.	-388.
45 85 85	0.	1.	0.	1.	0.	1.	422.2	0.00	LOW	323.56	0.	0.	-583.
45 85 85	0.	1.	0.	1.	0.	1.	420.4	13.41	0.0000	323.25	0.	0.	-621.
14 18 21	0.	1.	0.	1.	0.	1.	377.5	7.54	*00.0000	324.03	0.	0.	-583.
14 18 27	0.	1.	0.	1.	0.	1.	335.8	1.68	LOW	325.74	0.	0.	-699.
14 18 32	0.	1.	0.	1.	0.	1.	332.7	.84	LOW	324.65	0.	0.	-699.
14 18 37	0.	1.	0.	1.	0.	1.	329.7	0.00	LOW	324.19	0.	0.	-777.
14 18 42	0.	1.	0.	1.	0.	1.	330.3	0.00	LOW	324.81	0.	0.	-777.
14 18 55	0.	1.	0.	1.	0.	1.	323.5	1.68	LOW	323.56	0.	0.	-777.
14 18 52	0.	1.	0.	1.	0.	1.	322.9	.84	LOW	324.50	0.	0.	-738.
14 18 57	0.	1.	0.	1.	0.	1.	322.3	0.00	LOW	323.56	0.	0.	-777.
14 19 2	0.	1.	0.	1.	0.	1.	321.1	*0000.00	LOW	324.34	0.	0.	-699.
14 19 7	0.	1.	0.	1.	0.	1.	316.2	0.00	LOW	325.12	0.	0.	-621.
0 1 12	0.	1.	0.	1.	0.	1.	315.6	6.71	*00.0000	325.12	0.	0.	-583.

B COMMUTATOR

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
12 55 53	46.15	LOW	29.423	5596.	8.638	LOW	0.000	16.25	21.88
12 55 58	47.12	LOW	29.521	5459.	8.718	LOW	0.000	16.25	21.94
12 56 3	45.67	LOW	29.619	5688.	8.739	LOW	0.000	16.45	21.94
12 56 8	45.91	LOW	29.472	5688.	8.718	LOW	0.000	16.35	21.91
12 56 13	46.15	LOW	29.521	5688.	8.652	LOW	0.000	16.25	21.88
12 56 18	45.91	LOW	29.423	5642.	8.717	LOW	0.000	16.25	21.88
12 56 23	44.23	LOW	29.521	5688.	8.754	LOW	0.000	16.25	21.88
12 56 28	44.71	LOW	29.374	5642.	8.754	LOW	0.000	16.25	21.79
12 56 38	44.71	LOW	28.935	5688.	8.754	LOW	0.000	16.26	21.88
12 56 43	45.19	LOW	29.081	5688.	8.732	LOW	0.000	16.25	21.91
12 56 51	45.67	LOW	29.138	5596.	8.667	LOW	0.000	16.25	21.88
12 56 48	45.67	LOW	28.983	5642.	8.718	LOW	0.000	16.26	21.88
12 56 53	48.56	LOW	29.326	5596.	8.652	LOW	0.000	16.26	21.88
12 56 58	45.43	LOW	29.472	5963.	8.652	LOW	0.000	16.26	21.88
12 57 3	44.71	LOW	29.423	5688.	8.812	LOW	0.000	16.26	21.88
12 57 8	43.99	LOW	29.326	5688.	8.775	LOW	0.000	16.26	21.85
13 22 20	41.35	45.71	28.739	5596.	8.783	LOW	0.000	16.25	21.64
13 22 25	41.11	44.55	28.641	5505.	7.687	LOW	0.000	16.25	21.61
13 22 30	42.31	44.82	28.837	5505.	4.848	LOW	0.000	16.25	21.58
13 22 35	42.87	45.09	28.592	5505.	7.420	LOW	0.000	16.25	21.53
13 22 40	38.46	45.00	28.837	5688.	10.888	LOW	0.000	16.25	21.64
13 22 45	39.90	45.89	28.788	5642.	9.981	LOW	0.000	16.25	21.64
13 22 50	41.83	43.93	28.641	5688.	10.888	LOW	0.000	16.45	21.64
13 22 55	41.83	44.55	28.690	5596.	10.888	LOW	0.000	16.35	21.61
13 23 0	41.35	46.61	28.837	5596.	10.888	LOW	0.000	16.26	21.64
13 23 5	41.35	46.70	28.641	5558.	9.991	LOW	0.000	16.25	21.64
13 23 18	41.35	44.64	28.837	5505.	9.852	LOW	0.000	16.25	21.58
13 24 43	37.98	45.80	28.788	5413.	4.926	LOW	0.000	16.24	21.58
13 24 48	41.83	45.18	28.641	5321.	0.000	LOW	0.000	16.24	21.64
13 24 61	41.11	44.82	28.543	5275.	0.000	LOW	0.000	16.24	21.58
13 24 58	42.79	44.82	28.837	5321.	0.000	LOW	0.000	16.24	21.64
13 25 3	42.31	44.91	28.788	5367.	0.000	LOW	0.000	16.24	21.61
13 65 8	41.83	46.43	28.641	5229.	0.000	LOW	0.000	16.25	21.53
13 25 13	41.83	46.52	28.543	5275.	0.000	LOW	0.000	16.24	21.58
13 25 18	40.38	2.86	28.446	4954.	0.000	LOW	0.000	16.25	21.47
13 25 23	41.11	2.50	28.250	5138.	0.000	LOW	0.000	16.25	21.56
13 25 28	41.83	2.50	28.258	5229.	0.000	LOW	0.000	16.25	21.64
13 25 33	41.83	2.86	28.348	5229.	0.000	LOW	0.000	16.24	21.61
13 25 38	41.83	2.50	28.446	5138.	0.000	LOW	0.000	16.25	21.64
13 25 43	41.35	51.25	28.397	5229.	0.000	LOW	0.000	16.25	21.58
13 25 53	41.83	100.00	28.348	5138.	0.000	LOW	0.000	16.24	21.58
13 25 53	41.83	100.00	28.250	4954.	0.000	LOW	0.000	16.24	21.61
13 25 58	41.35	100.00	28.641	5229.	.009	LOW	0.000	16.24	21.47
13 26 3	41.59	100.00	29.081	4908.	.004	LOW	0.000	16.24	21.83
13 26 8	40.38	100.00	28.543	5046.	0.000	LOW	0.000	16.24	21.64

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 26 13	41.11	*0030.00	20.495	5138.	0.000	LOW	0.000	16.24	21.58
13 26 18	41.93	LOW	28.446	5138.	0.000	LOW	0.000	16.25	21.64
13 26 23	40.63	LOW	20.446	5138.	0.000	LOW	0.000	16.25	21.67
13 26 29	42.79	LOW	20.340	5046.	0.000	LOW	0.000	16.24	21.58
13 26 34	42.31	LOW	28.397	5092.	0.000	LOW	0.000	16.24	21.61
13 26 39	41.03	0.00	20.543	5138.	0.000	LOW	0.000	16.24	21.64
13 26 44	41.83	*0000.00	28.495	5138.	0.000	LOW	0.000	16.24	21.64
13 26 49	41.03	LOW	20.641	5138.	0.000	LOW	0.000	16.25	21.64
13 26 54	41.35	LOW	28.495	5092.	0.000	LOW	0.000	16.25	21.64
13 26 59	42.79	LOW	28.055	5138.	0.000	LOW	0.000	16.25	21.64
13 27 4	42.31	LOW	20.397	5183.	0.000	LOW	0.000	16.24	21.64
13 27 9	40.87	0.00	20.739	5138.	0.000	LOW	0.000	16.25	21.64
13 27 14	41.59	*0000.00	28.690	5092.	0.000	LOW	0.000	16.25	21.67
13 27 19	41.83	1.43	20.446	4587.	0.000	LOW	0.000	16.24	21.58
13 27 24	41.59	2.14	28.495	4771.	0.000	LOW	0.000	16.24	21.58
13 27 29	41.35	.54	20.037	4954.	0.000	LOW	0.000	16.24	21.64
13 27 34	41.59	1.52	28.698	5046.	0.000	LOW	0.000	16.24	21.61
13 27 39	40.87	1.07	28.348	5138.	0.000	LOW	0.000	16.26	21.58
13 27 44	42.07	50.54	28.543	5046.	0.000	LOW	0.000	16.25	21.64
13 27 49	42.31	100.00	28.446	4954.	0.000	LOW	0.000	16.25	21.64
13 27 54	41.59	99.91	28.592	5000.	0.000	LOW	0.000	16.25	21.61
13 27 59	34.62	99.02	20.641	4954.	0.000	LOW	0.000	16.19	21.53
13 28 4	38.22	99.91	28.592	4908.	0.000	LOW	0.000	16.22	21.56
13 28 9	41.03	100.00	20.543	5046.	0.000	LOW	0.000	16.23	21.64
13 28 14	41.35	*0000.00	28.299	5000.	0.000	LOW	0.000	16.24	21.92
13 28 19	41.83	LOW	20.055	4954.	0.000	LOW	0.000	16.25	21.47
13 28 24	41.83	*0030.00	28.250	4954.	0.000	LOW	0.000	16.24	21.61
13 28 29	41.03	LOW	28.543	4771.	0.000	LOW	0.000	16.25	21.70
13 28 29	41.59	LOW	28.446	4817.	0.000	LOW	0.000	16.24	21.85
13 28 34	41.35	LOW	29.423	4954.	0.000	LOW	0.000	16.23	21.58
13 28 39	41.11	*0000.00	28.903	4954.	0.000	LOW	0.000	16.23	21.64
13 28 44	41.35	LOW	28.340	4771.	.009	LOW	0.000	16.24	21.58
13 28 49	39.98	LOW	28.397	4312.	.004	LOW	0.000	16.25	21.56
13 28 54	40.87	0.00	28.037	4587.	0.000	LOW	0.000	16.24	21.58
13 28 59	37.74	*0000.00	20.788	4771.	0.000	LOW	0.000	16.24	21.58
13 29 5	41.83	LOW	28.739	4862.	0.000	LOW	0.000	16.25	21.58
13 29 10	41.35	LOW	28.739	4771.	0.000	LOW	0.000	16.24	21.56
13 29 15	40.87	2.14	20.446	4862.	0.000	LOW	0.000	16.25	21.64
13 29 20	40.07	1.34	28.446	4908.	0.000	LOW	0.000	16.25	21.58
13 29 25	40.30	.89	20.641	4954.	0.000	LOW	0.000	16.25	21.47
13 29 30	39.42	.71	20.592	4954.	0.000	LOW	0.000	16.25	21.56
13 29 35	40.38	3.39	28.055	4679.	0.000	LOW	0.000	16.24	21.76
13 29 40	40.63	51.70	28.250	4679.	0.000	LOW	0.000	16.24	21.70
13 29 45	40.87	100.00	28.641	4679.	0.000	LOW	0.000	16.24	22.10
13 29 50	41.11	100.00	28.495	4725.	0.000	LOW	0.000	16.23	21.87
13 29 55	40.87	100.00	28.641	4587.	0.000	LOW	0.000	16.25	21.50
13 30 0	40.63	100.00	28.641	4679.	0.000	LOW	0.000	16.24	21.53
13 30 5	40.87	100.00	28.055	4679.	0.000	LOW	0.000	16.25	21.64
13 30 10	40.63	*0000.00	28.250	4771.	0.000	LOW	0.000	16.25	21.58
13 30 15									

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 30 20	40.87	LOW	28.855	4679.	0.000	LOW	0.000	16.25	21.64
13 30 25	40.63	LOW	28.250	4633.	0.000	LOW	0.000	16.24	21.92
13 30 30	39.90	LOW	28.855	4679.	0.000	LOW	0.000	16.23	21.53
13 30 35	40.14	LOW	28.250	4679.	0.000	LOW	0.000	16.24	21.58
13 30 40	40.87	LOW	28.348	5321.	0.000	LOW	0.000	16.24	21.64
13 30 45	40.87	*0000.00	28.299	5046.	0.000	LOW	0.000	16.24	21.67
13 30 50	40.38	LOW	28.250	4862.	0.000	LOW	0.000	16.25	21.53
13 30 55	40.63	*0000.00	28.250	4679.	0.000	LOW	0.000	16.25	21.58
13 31 0	41.35	LOW	28.250	4679.	0.000	LOW	0.000	16.25	21.64
13 31 5	40.87	*0000.00	28.299	4633.	0.000	LOW	0.000	16.24	21.61
13 31 15	40.87	0.00	29.228	5321.	0.000	LOW	0.000	16.25	21.70
13 31 15	40.87	27.86	28.983	5183.	0.000	LOW	0.000	16.24	21.90
13 31 20	38.46	53.57	28.446	4312.	0.000	LOW	0.000	16.25	21.53
13 31 25	38.46	54.46	28.495	4450.	0.000	LOW	0.000	16.24	21.58
13 31 30	40.38	53.93	28.446	4587.	0.000	LOW	0.000	16.24	21.53
13 31 35	40.38	54.11	28.592	4587.	.660	LOW	0.000	16.23	21.58
13 31 40	40.38	56.07	28.055	4495.	10.000	LOW	0.000	16.23	21.58
13 32 17	40.38	51.52	28.152	4817.	9.972	LOW	0.000	16.23	21.53
13 32 22	40.38	46.25	28.446	4587.	10.000	LOW	0.000	16.25	21.64
13 32 35	40.38	46.88	28.495	4541.	10.000	LOW	2.998	16.24	21.56
13 32 32	40.38	47.14	28.348	4495.	10.000	LOW	33.098	16.24	21.70
13 32 37	40.38	45.98	28.397	4358.	10.000	LOW	33.410	16.24	21.64
13 32 42	39.90	47.50	28.348	4495.	10.000	LOW	28.971	16.23	21.64
13 32 47	40.14	47.23	28.348	4174.	9.972	LOW	26.323	16.23	21.64
13 32 52	39.90	46.43	28.446	4312.	10.000	LOW	17.834	16.22	21.64
13 32 57	39.90	46.43	28.446	4358.	10.000	LOW	15.383	16.23	21.64
13 33 2	40.38	45.18	28.543	5138.	10.000	LOW	7.710	16.23	21.58
13 33 7	39.90	45.27	28.543	4862.	9.991	LOW	5.218	16.24	21.58
13 33 12	39.90	47.68	28.446	4404.	10.000	LOW	18.342	16.24	21.64
13 33 17	39.90	47.59	28.348	4404.	9.954	LOW	13.982	16.23	21.67
13 33 27	39.90	45.36	28.250	4495.	10.000	LOW	0.000	16.24	21.53
13 33 27	39.90	45.80	28.348	4495.	9.981	LOW	0.000	16.23	21.53
13 33 33	39.90	46.61	28.739	4771.	10.000	LOW	5.823	16.25	21.47
13 33 38	39.90	45.98	28.397	4725.	10.000	LOW	10.481	16.24	21.73
13 33 43	38.94	47.14	28.446	4495.	10.000	LOW	.623	16.24	21.64
13 33 53	39.42	46.25	28.446	4495.	10.000	LOW	3.388	16.24	21.64
13 33 53	38.94	44.82	28.446	5138.	10.000	LOW	11.214	LOW	21.58
13 33 58	38.94	45.09	28.446	4862.	10.000	LOW	13.745	*0000.00	21.53
13 34 3	39.42	46.79	28.348	3853.	9.981	LOW	21.962	16.25	21.58
13 34 8	39.66	45.89	28.397	4174.	9.991	LOW	24.532	16.25	21.56
13 34 13	38.94	45.00	28.348	4587.	10.000	LOW	33.488	16.25	21.53
13 34 18	38.94	45.27	28.397	4541.	10.000	LOW	33.994	*0000.00	21.56
13 34 23	42.31	43.39	28.446	4312.	10.000	LOW	34.500	16.24	21.53
13 34 29	40.62	44.46	28.446	4404.	10.000	LOW	34.500	16.24	21.50
13 34 42	38.46	47.50	28.641	4771.	10.000	LOW	20.248	16.24	21.58
13 34 39	39.18	47.77	28.690	4541.	10.000	LOW	16.748	16.24	21.61
13 34 44	38.94	49.11	28.446	3853.	10.000	LOW	0.000	16.23	21.64
13 34 49	38.70	48.39	27.859	3853.	10.000	LOW	0.000	16.24	21.64
13 34 54	39.90	47.50	28.348	4312.	10.000	LOW	0.000	16.25	21.70

TIME H/M/S	EC 03 TEMP RAM AR	FC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSITN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 34 59	39.42	46.88	28.397	4484.	9.981	LOW	0.000	16.23	21.61
13 35 4	38.94	46.25	28.446	4404.	10.000	LOW	0.000	16.25	21.53
13 35 9	39.42	47.23	28.397	4312.	9.981	LOW	0.000	18.16	21.61
13 35 14	38.46	45.71	28.543	4404.	10.000	LOW	0.000	37.40	21.53
13 35 19	38.94	45.63	28.495	4404.	10.000	LOW	0.000	46.62	21.53
13 35 24	38.46	47.86	28.446	4312.	10.000	LOW	0.000	70.91	21.53
13 35 29	38.94	47.77	28.348	4228.	10.000	LOW	0.000	68.87	21.58
13 35 34	38.46	45.18	28.739	4220.	10.000	LOW	0.000	51.42	21.58
13 35 39	38.46	45.88	28.446	4220.	10.000	LOW	0.000	44.37	21.58
13 55 44	38.46	46.96	29.326	4220.	9.944	LOW	0.000	23.45	21.58
13 51 26	37.74	46.79	28.590	3853.	9.972	LOW	0.000	19.84	21.56
13 51 26	36.54	45.18	28.641	3578.	10.000	LOW	0.000	16.27	21.58
13 51 31	35.58	45.18	28.397	3578.	10.000	LOW	0.000	16.26	21.56
13 51 36	37.98	48.04	28.446	3394.	9.878	LOW	0.000	16.24	21.64
13 51 41	37.26	47.58	28.446	3578.	9.898	LOW	0.000	16.24	21.58
13 51 46	37.02	47.86	28.446	3486.	10.000	LOW	0.000	16.24	21.64
13 51 51	38.70	46.43	28.299	3486.	10.000	LOW	0.000	16.24	21.56
13 51 57	36.86	45.89	28.446	3394.	10.000	LOW	0.000	16.23	21.58
13 52 2	36.54	45.71	28.299	3440.	9.963	LOW	0.000	16.24	21.61
13 52 15	36.54	44.82	28.348	3394.	10.000	LOW	0.000	16.25	21.53
13 52 12	36.30	45.36	28.397	3394.	9.981	LOW	0.000	16.24	21.56
13 52 17	36.54	45.71	28.348	3383.	10.000	LOW	0.000	16.25	21.58
13 52 22	36.78	46.25	28.201	3383.	10.000	LOW	0.000	16.24	21.58
13 52 35	37.02	47.14	28.348	3394.	9.907	LOW	0.000	16.24	21.64
13 52 32	37.26	46.61	28.299	3448.	9.815	LOW	0.000	16.25	21.58
13 52 37	37.02	46.25	28.348	3486.	10.000	LOW	0.000	16.25	21.58
13 52 42	36.78	47.85	28.201	3448.	10.000	LOW	0.000	16.25	21.56
13 52 47	37.02	46.79	28.543	3486.	9.889	LOW	0.000	16.24	21.53
13 52 52	37.50	46.96	28.397	3486.	9.898	LOW	0.000	16.24	21.58
13 52 57	36.54	46.96	28.446	3486.	9.944	LOW	0.000	16.25	21.58
13 53 2	36.78	47.14	28.446	3486.	9.954	LOW	0.000	16.25	21.53
13 53 7	34.62	47.50	29.228	3383.	10.000	LOW	0.000	16.23	21.70
13 57 20	35.58	47.85	28.739	3257.	10.000	LOW	0.000	16.24	21.67
13 57 25	37.02	46.07	28.055	3211.	10.000	LOW	0.000	16.25	21.64
13 57 30	37.02	46.07	28.152	2982.	5.000	LOW	0.000	16.24	21.64
13 57 35	34.62	45.54	28.543	3211.	0.000	LOW	0.000	16.24	21.58
13 57 40	37.98	46.25	28.886	3211.	0.000	LOW	0.000	16.23	21.58
13 57 45	37.50	48.04	28.348	3119.	0.000	LOW	0.000	16.25	22.19
13 57 58	37.82	47.41	28.495	2936.	0.000	LOW	0.000	16.24	21.92
13 58 0	37.50	47.50	28.348	3119.	0.000	LOW	0.000	16.24	21.70
13 58 0	37.02	46.61	28.250	3073.	0.000	LOW	0.000	16.23	21.64
13 58 5	37.82	46.07	28.152	3119.	0.000	LOW	0.000	16.25	21.64
13 58 10	36.78	45.89	28.258	3486.	.413	LOW	0.000	16.24	21.67
13 58 15	37.50	47.50	28.348	3119.	.009	LOW	0.000	16.25	21.64
13 58 20	37.02	46.16	28.495	3349.	.018	LOW	0.000	16.24	21.61
13 58 25	37.98	46.25	28.348	3119.	.018	LOW	0.000	16.23	21.47
13 58 31	37.50	46.70	28.397	3020.	.013	LOW	0.000	16.24	21.47
13 58 36	36.54	44.82	28.348	3303.	.027	LOW	0.000	16.25	21.64
13 58 41	36.78	45.09	28.446	3119.	.031	LOW	0.000	16.25	21.56

TIME H/M/S	EC 03 TEMP RAM AR	EC 22 POSITN TEMP CONTRL	EC 62 POSITN PRIMRY RAM EXIT DOOR F	AF 4 TOTAL FUEL QNTY	PR 05 POSITN NOZZLE L/HENG	PR 06 POSITN THROTL L/HENG	FC 01 POSTN FLAP	FC 02 POSITN WING SWEEP	FC 03 POSITN SPEED BRAKE DOOR
02									
13 58 46	37.02	45.54	28.348	2844.	.054	LOW	0.000	16.25	21.64
13 58 51	36.54	45.89	28.250	2936.	.036	LOW	0.000	16.24	21.61
13 58 56	36.54	46.43	28.446	2936.	10.000	LOW	0.000	16.23	21.70
13 59 1	37.02	46.52	28.543	2890.	10.000	LOW	0.000	16.24	21.64
13 59 6	36.54	43.39	28.543	2569.	10.000	LOW	0.000	16.23	21.58
13 59 11	37.26	45.36	28.348	2615.	9.972	LOW	0.000	16.24	21.94
13 59 16	37.50	44.92	28.055	2752.	10.000	LOW	0.000	16.24	21.64
13 59 21	36.06	45.09	28.250	3119.	10.000	LOW	0.000	16.23	21.64
13 59 26	37.98	47.68	28.446	2844.	10.000	LOW	0.000	16.24	21.70
14 6 3	37.26	47.85	28.495	2661.	5.000	LOW	0.000	16.25	37.89
14 6 8	37.82	46.43	28.446	2661.	0.000	LOW	0.000	16.25	76.62
14 46 13	37.02	46.78	28.397	2523.	0.000	LOW	0.000	16.25	38.31
14 6 23	37.50	47.14	28.446	2569.	0.000	LOW	0.000	16.24	45.00
14 6 23	36.06	47.14	28.397	2523.	0.000	LOW	0.000	16.24	22.50
14 6 33	37.02	46.06	28.446	2477.	0.000	LOW	0.000	16.24	0.00
14 5 33	37.02	46.78	28.299	1697.	0.000	LOW	0.000	16.24	32.18
14 46 38	37.98	47.68	28.152	2385.	0.000	LOW	0.000	LOW	77.00
45 85 85	37.26	47.77	28.104	2431.	0.000	LOW	0.000	*0000.00	49.35
14 13 9	34.62	49.29	28.348	2202.	0.000	LOW	0.000	16.25	21.70
14 13 14	36.06	48.39	28.739	2248.	0.000	LOW	0.000	16.35	21.64
14 13 19	34.62	47.32	28.446	2294.	0.000	LOW	0.000	16.25	21.64
14 13 24	35.58	47.86	28.397	2294.	0.000	LOW	0.000	16.24	21.67
14 13 29	41.35	49.82	28.348	2202.	0.000	LOW	0.000	16.25	21.70
14 13 34	39.66	49.34	28.397	2202.	0.000	LOW	0.000	16.24	21.67
0 0 0	38.46	49.46	28.348	2018.	0.000	LOW	0.000	16.24	22.38
45 85 85	38.22	49.91	28.641	2064.	0.000	LOW	0.000	16.24	22.04
45 85 85	37.98	46.25	28.641	2294.	0.000	LOW	0.000	16.24	21.70
14 16 8	37.98	47.50	28.446	2248.	0.000	LOW	0.000	16.24	21.70
14 16 5	38.46	50.36	28.348	2294.	10.000	LOW	0.000	16.26	21.64
14 16 10	38.22	49.55	28.201	2385.	9.901	LOW	0.000	16.26	21.58
14 16 15	37.02	49.11	26.491	2385.	9.944	LOW	0.000	16.28	21.53
14 16 21	37.82	48.21	27.419	2798.	9.861	LOW	0.000	16.27	21.58
14 16 26	37.98	48.39	28.445	2294.	10.000	LOW	0.000	16.25	21.64
14 16 31	38.22	47.86	29.032	2339.	9.348	LOW	0.000	16.25	21.70
14 16 36	38.46	48.21	29.326	917.	8.667	LOW	0.000	16.25	21.64
45 85 85	40.14	47.23	28.837	1514.	8.717	LOW	0.000	16.25	21.61
45 85 85	39.98	47.68	28.348	2202.	8.768	LOW	0.000	16.25	21.53
14 18 21	38.94	47.95	28.299	2156.	8.739	LOW	0.000	16.25	21.61
14 18 27	36.54	48.39	29.032	2202.	8.797	LOW	0.000	16.25	21.70
14 18 32	36.78	48.48	28.592	2248.	8.798	LOW	0.000	16.25	21.67
14 18 37	37.82	48.57	28.250	2018.	8.725	LOW	0.000	16.26	22.29
14 18 42	36.78	48.04	28.250	2064.	8.681	LOW	0.000	16.25	22.00
14 18 55	37.82	47.68	28.250	2110.	8.710	LOW	0.000	16.26	21.58
14 18 52	37.02	47.59	28.739	2202.	8.783	LOW	0.000	16.26	21.64
14 18 57	37.02	48.57	28.055	1651.	8.754	LOW	0.000	16.26	21.82
14 19 2	38.78	48.13	28.299	1881.	8.746	LOW	0.000	16.25	21.79
14 19 7	37.82	48.57	28.250	2110.	8.652	LOW	0.000	16.25	21.76
0 1 12	39.42	48.66	28.250	2110.	8.688	LOW	0.000	16.25	21.79

C COMMUTATOR

TIME H/M/S 03	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
12 55 53	-1556.	-.06	185.	.21	-.36	119.	103.	107.	119.	98.	105.	108.	106.
12 55 58	-1556.	-.07	114.	.15	-.29	117.	101.	107.	117.	98.	105.	107.	106.
12 56 3	-1911.	-.15	117.	.18	-.24	121.	99.	100.	11[illegible].	99.	105.	108.	108.
12 56 8	*737856.	-.12	118.	.15	-.24	120.	98.	108.	114.	98.	102.	107.	108.
12 56 13	-1822.	-.10	119.	.12	-.44	119.	98.	109.	114.	97.	105.	106.	107.
12 56 18	-1644.	-.12	108.	.16	-.49	119.	97.	107.	114.	98.	105.	107.	107.
12 56 28	-1644.	-.03	107.	.22	-.75	117.	101.	103.	115.	98.	105.	106.	110.
12 56 33	-1644.	-.03	108.	.18	-.64	118.	99.	103.	115.	98.	104.	106.	110.
12 56 38	LOW	-.01	119.	.15	-.58	119.	101.	103.	116.	97.	103.	107.	110.
12 56 43	*737856.	-.02	114.	.15	-.58	119.	101.	103.	114.	98.	104.	107.	110.
12 56 51	-1822.	0.00	112.	.15	-.43	119.	99.	95.	114.	98.	106.	108.	106.
12 56 48	-1778.	.01	111.	.07	-.45	118.	99.	100.	116.	98.	105.	107.	105.
12 56 53	-1467.	-.09	94.	.18	-.54	116.	101.	101.	116.	98.	105.	106.	111.
12 56 58	-1467.	-.10	106.	.18	-.59	117.	101.	102.	116.	98.	104.	106.	110.
12 57 3	-1733.	-.03	117.	.22	-.46	119.	102.	104.	118.	98.	105.	106.	110.
12 57 8	-1733.	-.04	119.	.10	-.48	119.	108.	105.	117.	98.	101.	108.	108.
13 22 28	133.	.16	189.	.23	-.99	112.	103.	110.	113.	102.	100.	106.	108.
13 22 25	267.	.15	175.	.23	-.97	111.	102.	109.	110.	101.	107.	107.	109.
13 22 38	311.	.19	169.	.12	-.94	108.	103.	103.	111.	102.	100.	106.	113.
13 22 35	222.	.18	178.	.16	-.95	109.	102.	105.	108.	98.	105.	107.	111.
13 22 40	756.	.10	177.	.10	-.97	110.	102.	110.	110.	101.	95.	106.	108.
13 22 45	808.	.12	199.	.10	-.98	111.	102.	108.	109.	101.	108.	106.	108.
13 22 58	44.	.18	345.	.04	-.92	110.	105.	105.	105.	101.	106.	106.	112.
13 23 0	0.	.20	361.	.12	-.96	109.	105.	105.	109.	101.	105.	106.	111.
13 23 5	-133.	.23	350.	.10	-.98	110.	101.	100.	110.	100.	105.	109.	108.
13 23 5	-178.	.22	347.	.20	-.98	110.	101.	100.	108.	100.	102.	108.	108.
13 23 18	489.	.21	340.	.21	-1.02	108.	102.	108.	112.	101.	103.	108.	109.
13 24 43	408.	.34	346.	.18	-1.47	109.	103.	108.	110.	102.	104.	107.	109.
13 24 48	570.	.63	388.	.23	-1.02	108.	106.	104.	106.	100.	100.	106.	106.
13 24 61	489.	.54	409.	.23	-1.98	107.	104.	103.	109.	100.	101.	105.	104.
13 24 58	133.	.57	448.	.13	-2.04	106.	100.	101.	110.	99.	101.	100.	96.
13 25 3	267.	.54	455.	.15	-2.16	105.	100.	103.	107.	100.	99.	97.	95.
13 65 8	756.	.59	467.	.22	-1.79	103.	101.	99.	100.	99.	96.	93.	91.
13 25 13	222.	.57	469.	.22	-2.02	100.	100.	98.	109.	98.	95.	92.	89.
13 25 18	756.	.37	478.	.28	-2.23	100.	97.	100.	100.	97.	92.	88.	77.
13 25 23	622.	.32	489.	.22	-2.21	99.	97.	100.	107.	97.	92.	86.	80.
13 25 28	578.	.41	484.	.10	-2.23	98.	97.	99.	106.	97.	91.	88.	81.
13 25 33	267.	.34	494.	.28	-2.09	97.	97.	98.	105.	97.	90.	82.	88.
13 25 43	578.	.34	494.	.23	-2.35	95.	97.	97.	106.	97.	89.	82.	76.
13 65 48	489.	.31	500.	.26	-2.14	94.	98.	95.	103.	97.	89.	82.	79.
13 25 53	578.	.28	492.	.10	-2.12	93.	96.	95.	99.	97.	87.	82.	81.
13 25 58	622.	.25	498.	.18	-2.16	93.	95.	94.	101.	97.	87.	88.	79.
13 25 58	133.	.35	498.	.22	-2.26	91.	96.	86.	98.	96.	86.	88.	88.
13 26 3	178.	.29	501.	.24	-2.25	91.	94.	88.	97.	96.	85.	88.	79.
13 26 8	44.	.35	505.	.13	-2.08	90.	94.	90.	101.	95.	78.	79.	77.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
13 26 13	89.	.38	503.	.15	-2.15	90.	96.	98.	98.	96.	82.	88.	78.
13 26 18	133.	.38	500.	.23	-2.17	84.	96.	93.	99.	95.	86.	75.	73.
13 26 23	400.	.32	497.	.19	-2.81	87.	96.	94.	98.	95.	84.	74.	72.
13 26 29	-222.	.44	503.	.15	-2.14	87.	95.	90.	95.	95.	82.	75.	74.
13 26 34	133.	.41	501.	.22	-2.18	88.	94.	91.	95.	94.	82.	73.	73.
13 26 39	756.	.31	511.	.22	-2.17	88.	94.	90.	98.	94.	79.	73.	74.
13 26 44	533.	.38	503.	.18	-2.17	86.	93.	88.	91.	93.	80.	73.	74.
13 26 49	667.	.34	494.	.19	-2.25	84.	94.	86.	87.	93.	83.	75.	78.
13 26 54	356.	.39	495.	.17	-2.25	86.	94.	87.	91.	94.	85.	77.	80.
13 26 59	44.	.29	502.	.22	-2.14	90.	97.	94.	95.	95.	88.	74.	84.
13 27 4	-133.	.37	509.	.28	-2.23	91.	99.	93.	93.	95.	86.	80.	88.
13 27 9	133.	.35	498.	.12	-2.02	92.	101.	94.	95.	98.	94.	90.	97.
13 27 14	311.	.29	489.	.18	-2.16	95.	101.	96.	97.	98.	95.	92.	96.
13 27 19	578.	.22	507.	.22	-2.19	97.	103.	95.	95.	97.	96.	96.	99.
13 27 24	178.	.31	506.	.17	-2.16	98.	101.	96.	98.	97.	97.	95.	97.
13 27 29	578.	.37	521.	.09	-2.16	99.	97.	101.	96.	98.	96.	92.	95.
13 27 34	267.	.39	517.	.14	-2.17	99.	98.	98.	97.	98.	96.	92.	96.
13 27 39	667.	.38	508.	.25	-2.15	99.	99.	95.	101.	95.	95.	91.	94.
13 27 44	533.	.32	508.	.23	-2.11	99.	98.	97.	100.	96.	92.	90.	93.
13 27 49	578.	.29	515.	.22	-2.18	99.	97.	99.	98.	97.	93.	89.	91.
13 27 54	489.	.32	517.	.19	-2.13	98.	96.	98.	97.	97.	93.	90.	91.
13 27 59	-44.	.41	511.	.10	-2.19	96.	98.	96.	95.	96.	91.	84.	91.
13 28 4	-44.	.41	510.	.13	-2.23	96.	98.	96.	95.	96.	91.	86.	90.
13 28 9	578.	.38	515.	.18	-2.12	93.	95.	91.	96.	97.	91.	90.	90.
13 28 19	711.	.32	511.	.21	-2.18	94.	95.	92.	98.	96.	89.	83.	88.
13 28 24	667.	.32	502.	.21	-2.23	94.	97.	90.	96.	95.	90.	84.	88.
13 28 29	667.	.27	503.	.18	-2.24	93.	97.	91.	94.	95.	88.	84.	86.
13 28 34	667.	.31	510.	.21	-2.31	93.	95.	91.	92.	94.	84.	84.	86.
13 28 34	533.	.36	520.	.15	-2.31	91.	95.	91.	91.	94.	86.	83.	85.
13 28 39	578.	.35	516.	.22	-1.89	91.	95.	89.	91.	95.	87.	83.	86.
13 28 44	311.	.38	509.	.23	-2.07	91.	95.	89.	91.	97.	87.	83.	87.
13 28 49	311.	.28	503.	.22	-2.28	91.	95.	91.	92.	95.	88.	86.	84.
13 28 54	667.	.30	503.	.19	-2.15	92.	97.	91.	92.	96.	89.	87.	86.
13 28 59	400.	.37	530.	.09	-2.21	93.	99.	92.	97.	97.	91.	90.	94.
13 29 5	89.	.33	517.	.12	-2.26	93.	102.	88.	96.	97.	92.	92.	97.
13 29 10	844.	.35	510.	.13	-2.31	97.	102.	95.	95.	99.	95.	97.	103.
13 29 15	489.	.29	512.	.13	-2.28	97.	103.	95.	94.	98.	96.	97.	103.
13 29 20	222.	.25	468.	.10	-2.15	100.	103.	95.	101.	98.	97.	96.	99.
13 29 25	533.	.29	477.	.14	-2.17	100.	102.	96.	101.	98.	97.	96.	98.
13 29 30	400.	.29	483.	.26	-1.96	101.	98.	99.	103.	97.	98.	95.	96.
13 29 35	267.	.28	483.	.33	-1.94	101.	98.	98.	102.	97.	97.	93.	96.
13 29 40	44.	.21	492.	.16	-2.16	99.	100.	95.	97.	97.	95.	97.	97.
13 29 45	267.	.27	488.	.15	-2.21	99.	99.	95.	98.	97.	96.	96.	97.
13 29 50	489.	.29	501.	.15	-2.25	98.	98.	94.	95.	97.	94.	95.	95.
13 29 55	222.	.26	494.	.25	-2.27	98.	97.	96.	96.	98.	91.	94.	95.
13 30 0	44.	.28	488.	.25	-2.24	98.	96.	98.	101.	95.	93.	91.	94.
13 30 5	*888888.	.23	494.	.21	-2.14	97.	98.	89.	100.	95.	93.	91.	94.
13 30 10	-44.	.34	489.	.22	-2.25	96.	97.	94.	95.	97.	88.	90.	95.
13 30 15	-44.	.29	494.	.32	-2.11	95.	96.	93.	95.	97.	88.	91.	95.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
13 30 20	311.	.37	501.	.10	-2.27	94.	96.	92.	95.	97.	98.	92.	94.
13 30 25	133.	.28	498.	.15	-2.30	94.	97.	92.	94.	97.	98.	91.	93.
13 30 30	-44.	.32	498.	-.01	-2.03	94.	95.	94.	93.	97.	98.	89.	98.
13 30 35	-178.	.28	495.	.04	-2.20	94.	95.	94.	93.	97.	98.	88.	91.
13 30 40	-222.	.18	492.	.29	-1.94	93.	95.	93.	90.	97.	98.	85.	98.
13 30 45	133.	.32	491.	.22	-2.10	93.	95.	91.	94.	96.	89.	86.	89.
13 30 55	133.	.32	492.	.12	-2.06	92.	96.	92.	99.	97.	98.	90.	92.
13 31 0	-89.	.32	491.	.15	-2.21	92.	97.	91.	97.	97.	91.	91.	95.
13 31 5	133.	.29	506.	.10	-2.08	97.	100.	97.	97.	97.	95.	94.	98.
13 31 10	356.	.29	505.	.13	-2.30	97.	100.	96.	99.	98.	95.	95.	99.
13 31 15	133.	.43	401.	.23	-2.28	97.	102.	92.	97.	100.	99.	101.	107.
13 31 15	444.	.46	483.	.20	-2.27	96.	102.	94.	98.	100.	99.	99.	104.
13 31 20	-44.	.45	401.	.26	-2.16	103.	103.	97.	97.	99.	99.	97.	97.
13 31 25	311.	.41	485.	.25	-2.18	103.	100.	99.	97.	99.	99.	92.	93.
13 31 30	-44.	.60	483.	.23	-2.23	97.	100.	96.	99.	98.	98.	89.	86.
13 31 35	89.	.45	486.	.19	-2.49	96.	99.	97.	101.	97.	98.	88.	85.
13 31 40	222.	-.13	474.	.23	-2.36	101.	99.	95.	103.	97.	97.	87.	89.
13 32 17	356.	.04	423.	.22	-2.26	99.	102.	95.	102.	98.	96.	88.	91.
13 32 22	667.	.16	378.	.21	-2.37	99.	103.	94.	101.	99.	95.	98.	96.
13 32 35	356.	.15	370.	.24	-2.47	100.	102.	96.	102.	99.	95.	91.	94.
13 32 32	667.	.09	366.	.32	-2.62	99.	102.	97.	97.	100.	95.	98.	97.
13 32 37	533.	.12	365.	.25	-2.59	99.	101.	95.	97.	100.	95.	91.	97.
13 32 42	933.	.12	363.	.10	-2.65	99.	101.	95.	104.	99.	95.	92.	93.
13 32 47	009.	.13	350.	.10	-2.60	99.	103.	96.	100.	99.	95.	92.	95.
13 32 57	-133.	.29	349.	.10	-2.14	99.	103.	94.	103.	98.	95.	91.	94.
13 33 2	-44.	.21	344.	.20	-2.28	97.	102.	96.	100.	99.	95.	91.	96.
13 33 2	667.	.15	339.	.16	-2.41	101.	104.	97.	95.	97.	98.	98.	97.
13 33 7	578.	.13	351.	.24	-2.34	101.	103.	98.	98.	99.	92.	91.	95.
13 33 12	222.	.12	352.	.21	-2.34	101.	102.	99.	97.	101.	95.	91.	95.
13 33 17	267.	.18	340.	.16	-2.47	101.	103.	98.	97.	100.	94.	91.	97.
13 33 27	400.	.15	349.	.23	-2.37	99.	103.	92.	101.	99.	96.	93.	97.
13 33 33	89.	.19	344.	.15	-2.35	100.	103.	95.	102.	99.	96.	91.	96.
13 33 38	311.	.23	344.	.15	-2.21	101.	103.	98.	101.	100.	95.	93.	95.
13 33 51	222.	.23	339.	.14	-2.35	101.	104.	97.	98.	100.	96.	91.	96.
13 73 48	489.	.16	357.	.23	-2.53	100.	102.	95.	103.	100.	98.	90.	95.
13 33 53	356.	.20	346.	.17	-2.54	100.	103.	95.	100.	100.	92.	92.	97.
13 33 53	44.	.25	340.	.13	-2.39	100.	105.	95.	100.	95.	95.	92.	98.
13 33 58	356.	.17	344.	.20	-2.43	100.	105.	96.	99.	97.	95.	92.	98.
13 34 3	-133.	-.01	344.	.19	-2.66	99.	103.	94.	97.	100.	95.	95.	100.
13 34 8	-222.	.10	345.	.10	-2.60	100.	103.	96.	100.	100.	95.	94.	98.
13 34 13	44.	.12	344.	.29	-2.40	97.	101.	97.	97.	102.	94.	93.	96.
13 34 18	222.	.13	346.	.26	-2.46	98.	102.	96.	99.	101.	95.	93.	98.
13 34 23	756.	.12	345.	.21	-2.56	102.	103.	100.	98.	101.	97.	92.	97.
13 34 29	578.	.15	348.	.18	-2.57	100.	104.	97.	98.	100.	96.	94.	99.
13 34 42	489.	.13	347.	.26	-2.50	105.	103.	99.	99.	101.	95.	93.	96.
13 34 39	400.	.10	344.	.24	-2.48	103.	104.	96.	100.	100.	95.	93.	97.
13 34 44	-133.	.22	334.	.10	-2.56	102.	106.	97.	98.	99.	94.	93.	101.
13 34 49	133.	.23	336.	.12	-2.56	102.	105.	97.	99.	99.	95.	94.	99.
13 34 54	44.	.21	327.	.16	-2.52	101.	102.	102.	94.	101.	95.	94.	108.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT.	EC 23 TEMP AIR UPSTR OF BLEED AR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
03													
13 34 59	222.	.20	337.	.18	-2.47	102.	103.	99.	101.	101.	95.	93.	99.
13 35 4	667.	.10	355.	.29	-2.45	102.	103.	99.	99.	102.	95.	93.	99.
13 35 9	178.	.14	342.	.23	-2.44	98.	103.	99.	98.	101.	95.	93.	99.
13 35 14	LOW	.21	340.	.10	-2.30	101.	106.	97.	95.	104.	95.	95.	102.
13 35 19	*000000.	.16	330.	.17	-2.26	99.	105.	97.	99.	102.	95.	95.	99.
13 35 24	667.	.10	341.	.23	-2.23	103.	105.	99.	100.	101.	96.	92.	100.
13 35 29	400.	.16	338.	.14	-2.28	102.	105.	98.	99.	98.	95.	94.	101.
13 35 34	400.	-.01	341.	.16	-2.39	102.	106.	99.	99.	100.	95.	95.	102.
13 35 39	444.	.07	341.	.22	-2.55	102.	105.	97.	99.	101.	95.	95.	101.
13 55 44	-44.	.16	327.	.15	-2.40	102.	104.	98.	102.	104.	98.	96.	99.
13 51 26	1096.	.15	331.	.10	-2.33	103.	102.	94.	104.	102.	91.	99.	105.
13 51 26	11064.	.22	339.	.35	-2.41	103.	107.	95.	101.	101.	93.	103.	111.
13 51 31	16400.	.21	337.	.29	-2.32	103.	106.	93.	98.	101.	94.	103.	110.
13 51 36	30171.	.28	325.	.18	-2.25	100.	105.	95.	102.	105.	93.	98.	107.
13 51 41	34354.	.27	331.	.17	-2.28	101.	105.	93.	102.	105.	94.	101.	110.
13 51 46	47059.	.23	319.	.18	-2.31	104.	105.	96.	105.	100.	95.	102.	108.
13 51 51	50046.	.23	333.	.22	-2.36	103.	105.	93.	103.	103.	94.	104.	109.
13 51 57	59684.	.23	327.	.10	-2.29	103.	105.	96.	103.	105.	95.	103.	110.
13 52 2	59803.	.21	331.	.17	-2.33	103.	104.	94.	105.	105.	94.	104.	109.
13 52 15	60329.	.19	329.	.25	-2.37	102.	104.	84.	103.	105.	93.	105.	111.
13 52 12	58784.	.17	334.	.21	-2.48	100.	104.	90.	100.	105.	93.	104.	110.
13 52 17	48716.	.12	346.	.10	-2.45	97.	108.	90.	106.	105.	93.	103.	110.
13 52 22	44049.	.05	343.	.19	-2.39	101.	105.	92.	104.	104.	91.	102.	109.
13 52 35	32618.	.06	337.	.22	-2.38	102.	105.	90.	103.	105.	95.	103.	110.
13 52 32	28317.	.11	339.	.26	-2.35	104.	106.	93.	104.	105.	94.	103.	108.
13 52 37	14863.	.13	335.	.26	-2.39	103.	105.	90.	101.	106.	93.	105.	95.
13 52 42	9931.	.21	336.	.21	-2.36	102.	105.	88.	100.	106.	93.	104.	103.
13 52 47	44.	.29	329.	.15	-2.79	100.	105.	90.	104.	104.	94.	102.	107.
13 52 52	-133.	.26	333.	.18	-2.54	102.	105.	91.	105.	103.	94.	102.	107.
13 52 57	2395.	.21	340.	.18	-2.35	105.	106.	91.	90.	106.	94.	104.	110.
13 53 2	2276.	.10	340.	.17	-2.33	103.	105.	93.	100.	105.	94.	103.	108.
13 53 7	409.	.26	316.	.18	-2.32	95.	106.	91.	106.	105.	94.	103.	110.
13 57 20	356.	.27	319.	.17	-2.46	100.	106.	91.	106.	106.	93.	101.	110.
13 57 30	400.	.13	332.	.06	-2.43	103.	107.	87.	101.	105.	94.	103.	112.
13 57 35	178.	.36	342.	.11	-2.46	104.	105.	89.	104.	105.	94.	101.	109.
13 57 40	667.	.50	393.	.22	-2.42	103.	95.	93.	101.	90.	93.	101.	104.
13 57 40	444.	.57	416.	.20	-2.54	103.	99.	92.	102.	100.	89.	98.	108.
13 57 45	133.	.62	488.	.18	-2.26	98.	101.	91.	105.	100.	98.	88.	98.
13 57 50	356.	.67	514.	.23	-2.38	93.	98.	92.	103.	98.	88.	86.	86.
13 58 0	-133.	.51	592.	.16	-2.49	97.	95.	92.	99.	98.	84.	79.	78.
13 50 0	-400.	.48	618.	.15	-2.44	95.	94.	91.	101.	98.	85.	79.	77.
13 50 5	311.	.35	692.	.26	-2.32	91.	93.	88.	103.	97.	82.	75.	74.
13 50 10	400.	.28	716.	.25	-2.63	91.	94.	89.	100.	96.	82.	74.	75.
13 50 15	44.	.44	742.	.21	-2.40	90.	97.	86.	84.	96.	80.	74.	78.
13 58 20	222.	.36	750.	.24	-2.39	89.	95.	88.	90.	96.	88.	74.	76.
13 50 25	489.	.37	774.	.19	-2.93	90.	93.	87.	95.	97.	88.	73.	78.
13 50 31	311.	.39	778.	.10	-2.64	89.	93.	87.	97.	96.	88.	72.	78.
13 58 36	133.	.35	706.	.15	-2.47	86.	90.	88.	94.	96.	78.	70.	71.
13 58 41	89.	.30	789.	.13	-2.39	86.	90.	88.	94.	96.	78.	78.	78.

TIME H/M/S	CS 3 PRESS ALT	EC 1 PRESS CABIN ALT	EC 23 TEMP AIR UPSTR OF BLEED AIR REG	EC 92 PRESS DIFF L/H ELECT BAY	EC 93 PRESS DIFF R/H ELECT BAY	EC 4 TEMP AIR PILOTS HEAD LEVEL	EC 5 TEMP AIR PILOTS FOOT LEVEL	EC 7 TEMP AIR PILOTS WAIST LEVEL	EC 8 TEMP AIR CO-PLT HEAD LEVEL	EC 9 TEMP AIR CO PILOTS FOOT LEVEL	EC 11 TEMP AIR CO PILOTS WAIST LEVEL	EC 12 TEMP AIR OUTLET DE-FOG R/H CABIN	EC 13 TEMP AIR OUTLET DE-FOG L/H CABIN
13 58 46	222.	.43	800.	.15	-2.16	74.	91.	87.	92.	95.	78.	69.	69.
13 58 51	489.	.39	786.	.22	-2.31	79.	91.	88.	91.	95.	78.	69.	71.
13 58 56	667.	-.12	714.	.25	-2.23	84.	91.	83.	94.	95.	78.	69.	67.
13 59 1	667.	-.01	678.	.26	-2.22	85.	92.	84.	92.	96.	77.	71.	69.
13 59 6	489.	.12	594.	.21	-2.25	85.	97.	84.	88.	99.	78.	74.	76.
13 59 11	444.	.10	579.	.23	-2.32	86.	97.	85.	89.	98.	78.	74.	76.
13 59 16	489.	.19	516.	.13	-2.26	85.	95.	82.	92.	99.	78.	73.	76.
13 59 21	-89.	.17	500.	.12	-2.23	85.	96.	83.	92.	99.	78.	74.	75.
14 6 3	400.	.13	471.	.26	-2.40	85.	97.	79.	93.	99.	78.	74.	76.
14 6 8	222.	.19	398.	.21	-2.32	92.	99.	87.	94.	101.	83.	84.	90.
14 6 13	133.	.19	338.	.13	-2.25	99.	102.	90.	98.	103.	91.	94.	103.
14 6 18	89.	.18	329.	.19	-2.38	99.	102.	90.	99.	103.	89.	94.	104.
14 6 23	-133.	.22	329.	.16	-2.55	99.	103.	93.	95.	104.	98.	93.	103.
14 6 23	-89.	.26	329.	.18	-2.49	99.	102.	91.	96.	103.	98.	94.	104.
14 6 33	133.	.13	322.	.25	-2.46	99.	102.	98.	101.	95.	88.	95.	103.
14 6 33	267.	.15	322.	.27	-2.47	100.	101.	92.	99.	99.	88.	95.	100.
14 46 38	133.	.29	335.	.16	-2.63	100.	100.	98.	95.	103.	98.	95.	105.
45 85 85	178.	.27	339.	.13	-2.52	99.	101.	98.	95.	103.	98.	95.	105.
14 13 14	1022.	.23	359.	.07	-3.10	103.	105.	97.	100.	106.	95.	99.	105.
14 13 19	-444.	.18	358.	.15	-3.03	103.	105.	98.	103.	106.	95.	100.	102.
14 53 24	-1289.	.23	379.	.12	-2.96	95.	105.	95.	99.	106.	95.	98.	100.
14 13 29	*737856.	.18	377.	.18	-3.01	99.	105.	97.	100.	105.	95.	99.	107.
14 13 29	-1378.	.21	379.	.22	-3.04	101.	105.	95.	100.	105.	95.	99.	108.
14 13 34	-1689.	.15	381.	.25	-3.00	102.	100.	97.	100.	104.	95.	100.	104.
0 0 0	-1378.	.19	394.	.15	-3.21	101.	105.	96.	98.	104.	93.	97.	110.
45 85 85	-1244.	.21	386.	.16	-3.22	102.	104.	97.	99.	104.	94.	98.	106.
45 85 85	-1289.	.22	403.	.25	-2.98	104.	103.	100.	98.	103.	95.	100.	107.
14 15 8	-1200.	.21	398.	.18	-3.14	103.	104.	97.	100.	103.	95.	100.	107.
14 16 5	-2000.	.18	376.	.26	-3.13	103.	103.	98.	103.	105.	94.	99.	106.
14 16 10	-1867.	.13	378.	.19	-3.15	103.	101.	99.	101.	102.	93.	97.	101.
14 16 15	LOW	-.07	373.	.38	-3.22	103.	102.	100.	98.	104.	95.	100.	106.
14 16 21	*737856.	-.06	378.	.38	-2.97	103.	99.	99.	99.	104.	95.	100.	105.
14 16 26	-1733.	.12	383.	.18	-2.96	101.	102.	98.	103.	97.	88.	101.	105.
14 16 31	-1511.	.07	381.	.17	-2.95	102.	102.	97.	104.	100.	98.	100.	106.
14 16 36	-667.	0.00	359.	.13	-2.99	102.	103.	95.	102.	97.	95.	99.	106.
45 85 85	-1111.	.02	371.	.18	-2.94	102.	103.	97.	100.	101.	95.	99.	108.
45 85 85	-1556.	0.00	375.	.23	-2.93	103.	102.	99.	103.	103.	95.	100.	105.
14 18 21	-1779.	-.06	339.	.23	-2.99	104.	103.	100.	100.	102.	96.	101.	106.
14 18 27	-1208.	-.03	327.	.13	-3.29	103.	103.	100.	99.	101.	97.	101.	108.
14 18 32	-1467.	-.01	317.	.15	-3.23	104.	103.	100.	99.	101.	97.	101.	108.
14 18 37	-1378.	-.06	319.	.18	-3.19	105.	103.	101.	95.	101.	97.	101.	108.
14 18 42	-1422.	-.12	313.	.20	-3.06	105.	103.	98.	96.	101.	97.	102.	109.
14 18 55	LOW	-.07	303.	.18	-3.19	104.	100.	98.	103.	102.	99.	101.	110.
14 18 52	*737856.	-.08	299.	.21	-3.25	104.	100.	98.	104.	101.	98.	101.	109.
14 18 57	-1467.	-.18	303.	.23	-3.40	103.	101.	103.	105.	101.	97.	103.	106.
14 19 2	-1689.	-.09	306.	.17	-3.16	104.	101.	103.	105.	101.	98.	102.	106.
14 19 7	-1378.	.01	309.	.13	-3.10	106.	101.	102.	101.	101.	97.	101.	106.
0 1 12	-1378.	-.01	313.	.18	-3.28	105.	101.	102.	104.	101.	98.	102.	106.

C COMMUTATOR

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 18 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
84													
12 55 53	111.	94.	103.	95.	108.	99.	99.	97.	121.	118.	-2.	0.	107.
12 55 58	112.	95.	104.	99.	108.	99.	100.	96.	119.	117.	-1.	0.	101.
12 56 3	114.	97.	105.	103.	108.	100.	100.	93.	117.	110.	-3.	-0.	111.
12 56 8	113.	97.	104.	102.	108.	100.	100.	94.	116.	111.	-2.	-0.	114.
12 56 13	114.	96.	105.	101.	108.	99.	101.	95.	116.	119.	-0.	0.	103.
12 56 18	112.	98.	104.	99.	108.	99.	101.	94.	115.	115.	-5.	0.	110.
12 56 28	110.	93.	100.	99.	95.	99.	95.	100.	114.	122.	-0.	0.	89.
12 56 33	109.	99.	101.	99.	97.	100.	99.	102.	113.	120.	-1.	-0.	98.
12 56 38	110.	98.	101.	100.	99.	100.	103.	101.	113.	110.	-1.	0.	94.
12 56 43	111.	98.	103.	100.	99.	100.	103.	98.	113.	114.	-0.	0.	103.
12 56 51	112.	96.	106.	103.	99.	99.	100.	95.	120.	116.	0.	0.	111.
12 56 48	111.	96.	105.	102.	100.	97.	100.	100.	119.	120.	-1.	0.	105.
12 56 53	110.	97.	101.	99.	99.	97.	103.	103.	112.	110.	1.	-0.	103.
12 56 58	109.	99.	101.	100.	100.	99.	103.	101.	113.	117.	0.	-0.	96.
12 57 3	108.	95.	100.	100.	99.	99.	95.	105.	117.	124.	-0.	0.	94.
12 57 8	108.	95.	101.	101.	100.	100.	97.	105.	110.	124.	0.	0.	97.
13 22 20	112.	101.	105.	103.	103.	101.	103.	106.	115.	111.	61.	-0.	152.
13 22 25	114.	103.	106.	104.	103.	101.	105.	105.	113.	110.	52.	-0.	152.
13 22 30	111.	103.	105.	100.	102.	102.	100.	105.	112.	117.	43.	0.	127.
13 22 35	113.	105.	106.	103.	102.	102.	107.	104.	111.	112.	43.	0.	134.
13 22 40	114.	100.	106.	106.	100.	102.	103.	106.	113.	110.	46.	-0.	160.
13 22 45	114.	97.	107.	105.	100.	102.	104.	105.	109.	110.	40.	-0.	163.
13 22 50	109.	103.	103.	103.	102.	102.	106.	113.	100.	112.	10.	0.	164.
13 23 0	110.	102.	104.	103.	102.	102.	105.	113.	113.	113.	17.	1.	160.
13 23 5	115.	103.	106.	106.	101.	101.	105.	103.	111.	100.	19.	1.	102.
13 23 5	115.	103.	106.	105.	102.	101.	104.	99.	111.	100.	20.	1.	101.
13 23 10	112.	101.	104.	105.	103.	101.	105.	110.	115.	100.	10.	1.	199.
13 24 43	113.	103.	101.	105.	102.	102.	103.	105.	113.	113.	25.	1.	234.
13 24 48	100.	106.	78.	103.	106.	101.	106.	95.	115.	116.	42.	2.	205.
13 24 61	105.	103.	62.	103.	105.	101.	105.	100.	105.	112.	45.	2.	279.
13 24 50	97.	95.	52.	104.	102.	95.	100.	99.	110.	113.	40.	2.	309.
13 25 3	95.	96.	52.	104.	102.	98.	102.	99.	110.	115.	47.	2.	300.
13 65 0	86.	99.	47.	103.	95.	101.	105.	106.	111.	100.	44.	2.	317.
13 25 13	84.	97.	47.	103.	97.	100.	104.	107.	110.	107.	46.	2.	324.
13 25 18	82.	93.	46.	103.	102.	100.	103.	105.	107.	110.	50.	2.	324.
13 25 23	80.	92.	47.	103.	102.	105.	103.	102.	107.	114.	51.	2.	331.
13 25 28	80.	90.	45.	101.	100.	101.	102.	98.	105.	112.	52.	2.	364.
13 25 33	79.	90.	45.	102.	101.	101.	102.	98.	106.	109.	54.	1.	357.
13 25 43	78.	91.	42.	103.	102.	101.	102.	99.	106.	110.	52.	1.	364.
13 65 48	76.	93.	41.	102.	101.	101.	103.	102.	110.	107.	52.	1.	355.
13 25 53	78.	92.	42.	102.	101.	101.	101.	95.	108.	115.	53.	1.	364.
13 25 58	76.	91.	41.	102.	101.	100.	103.	98.	101.	110.	53.	2.	362.
13 25 58	72.	94.	39.	100.	101.	105.	105.	103.	115.	114.	55.	2.	394.
13 26 3	74.	92.	39.	102.	100.	103.	104.	99.	113.	114.	55.	1.	301.
13 26 8	73.	90.	42.	102.	100.	100.	104.	101.	105.	106.	54.	1.	394.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AIR REG
13 26 13	74.	92.	43.	101.	100.	100.	104.	100.	109.	110.	52.	2.	395.
13 26 18	72.	92.	42.	104.	101.	100.	100.	95.	106.	112.	52.	2.	389.
13 26 23	71.	92.	42.	104.	101.	99.	101.	95.	106.	110.	52.	2.	401.
13 26 29	68.	96.	38.	102.	98.	100.	103.	104.	105.	110.	51.	2.	414.
13 26 34	69.	95.	39.	102.	99.	100.	103.	99.	106.	111.	51.	2.	412.
13 26 39	53.	97.	39.	100.	99.	99.	104.	98.	112.	114.	53.	2.	404.
13 26 44	58.	97.	41.	97.	99.	100.	101.	100.	112.	111.	51.	2.	419.
13 26 49	74.	97.	100.	95.	101.	98.	102.	101.	114.	95.	51.	2.	411.
13 26 54	78.	97.	112.	99.	101.	98.	102.	98.	111.	99.	50.	2.	410.
13 26 59	90.	96.	144.	105.	101.	99.	102.	95.	107.	108.	53.	2.	420.
13 27 4	93.	98.	150.	105.	101.	99.	103.	97.	109.	111.	52.	2.	428.
13 27 9	100.	101.	169.	105.	100.	105.	103.	105.	113.	108.	51.	1.	439.
13 27 14	105.	99.	173.	106.	101.	102.	102.	102.	109.	107.	53.	1.	427.
13 27 19	105.	105.	102.	103.	99.	99.	103.	102.	110.	113.	36.	2.	399.
13 27 24	102.	102.	92.	104.	100.	100.	102.	101.	109.	110.	35.	2.	414.
13 27 29	98.	98.	71.	103.	101.	97.	103.	94.	110.	113.	37.	2.	448.
13 27 34	95.	99.	67.	102.	101.	98.	100.	98.	112.	112.	36.	2.	439.
13 27 39	90.	97.	58.	103.	99.	99.	104.	104.	110.	107.	38.	2.	432.
13 27 44	88.	95.	58.	104.	100.	99.	104.	99.	108.	110.	37.	2.	443.
13 27 49	84.	88.	55.	105.	100.	99.	105.	94.	106.	111.	38.	2.	429.
13 27 54	87.	88.	54.	104.	100.	100.	104.	94.	107.	113.	38.	2.	432.
13 27 59	85.	95.	52.	102.	100.	99.	104.	95.	110.	119.	35.	2.	445.
13 28 4	84.	95.	50.	102.	100.	99.	104.	95.	111.	117.	35.	2.	445.
13 28 9	80.	95.	47.	101.	101.	95.	105.	101.	112.	108.	35.	2.	433.
13 28 19	77.	93.	47.	102.	101.	97.	104.	101.	110.	109.	37.	2.	434.
13 28 24	80.	91.	46.	105.	95.	99.	102.	94.	105.	109.	38.	2.	448.
13 28 29	80.	93.	47.	103.	97.	99.	102.	94.	108.	112.	38.	2.	443.
13 28 34	76.	95.	46.	95.	99.	99.	105.	95.	110.	109.	38.	2.	445.
13 28 34	76.	97.	46.	98.	99.	100.	102.	96.	110.	110.	38.	2.	448.
13 28 39	76.	97.	46.	101.	99.	98.	104.	99.	114.	112.	36.	2.	445.
13 28 44	76.	97.	64.	108.	99.	98.	104.	99.	112.	111.	33.	2.	447.
13 28 49	87.	99.	128.	101.	98.	98.	105.	95.	112.	100.	32.	2.	463.
13 28 54	91.	100.	135.	102.	98.	99.	105.	96.	112.	112.	33.	2.	452.
13 28 59	96.	99.	148.	105.	99.	99.	104.	102.	108.	106.	33.	2.	438.
13 29 5	99.	100.	152.	105.	100.	99.	104.	102.	108.	108.	32.	2.	441.
13 29 10	106.	101.	159.	105.	99.	99.	105.	102.	112.	112.	33.	2.	424.
13 29 15	106.	102.	148.	105.	100.	98.	105.	100.	112.	113.	41.	4.	448.
13 29 20	101.	100.	90.	95.	102.	97.	105.	103.	108.	106.	34.	2.	448.
13 29 25	99.	100.	85.	100.	101.	98.	105.	103.	108.	105.	33.	2.	462.
13 29 30	97.	96.	74.	105.	100.	99.	103.	99.	105.	103.	28.	2.	442.
13 29 35	96.	96.	71.	105.	101.	98.	103.	100.	107.	103.	31.	2.	442.
13 29 40	92.	97.	63.	105.	101.	99.	104.	104.	95.	106.	31.	2.	452.
13 29 45	91.	97.	61.	104.	100.	98.	104.	104.	103.	107.	31.	2.	447.
13 29 50	91.	98.	56.	103.	98.	99.	101.	101.	112.	113.	32.	1.	445.
13 29 55	91.	96.	57.	104.	99.	99.	103.	97.	110.	113.	32.	2.	454.
13 30 0	88.	94.	56.	106.	99.	101.	103.	101.	108.	104.	32.	2.	435.
13 30 5	81.	95.	55.	105.	100.	99.	104.	102.	109.	108.	31.	2.	432.
13 30 10	86.	95.	54.	103.	100.	96.	106.	98.	112.	105.	34.	2.	450.
13 30 15	86.	96.	53.	99.	100.	98.	106.	100.	110.	107.	32.	2.	452.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
13 38 20	86.	98.	52.	183.	99.	98.	185.	102.	112.	110.	31.	2.	429.
13 30 25	85.	98.	52.	184.	99.	99.	185.	99.	111.	112.	32.	2.	446.
13 38 38	86.	98.	54.	184.	100.	99.	185.	93.	109.	112.	35.	2.	445.
13 38 35	85.	98.	54.	183.	100.	99.	185.	93.	111.	113.	33.	2.	447.
13 30 45	85.	97.	78.	108.	108.	99.	186.	98.	106.	112.	32.	2.	450.
13 38 55	91.	97.	141.	186.	98.	99.	184.	92.	106.	109.	38.	2.	456.
13 31 0	93.	99.	150.	185.	101.	99.	183.	97.	186.	184.	29.	2.	439.
13 31 5	105.	97.	171.	187.	100.	99.	184.	100.	113.	186.	38.	2.	444.
13 31 10	106.	97.	172.	186.	98.	100.	185.	93.	108.	118.	28.	2.	444.
13 31 15	110.	183.	178.	185.	100.	98.	185.	97.	104.	187.	28.	2.	443.
13 31 15	109.	99.	153.	185.	97.	98.	186.	188.	114.	110.	38.	2.	458.
13 31 20	105.	183.	91.	183.	99.	98.	185.	182.	113.	189.	39.	2.	458.
13 31 25	102.	100.	91.	183.	99.	105.	186.	181.	111.	112.	53.	2.	452.
13 31 30	99.	181.	71.	185.	98.	102.	186.	98.	110.	113.	51.	2.	451.
13 31 35	95.	98.	66.	185.	180.	98.	185.	97.	112.	118.	51.	2.	452.
13 31 40	93.	93.	65.	186.	188.	97.	184.	93.	109.	110.	37.	1.	435.
13 32 17	91.	95.	70.	186.	180.	95.	185.	182.	189.	188.	21.	1.	444.
13 32 22	95.	99.	76.	186.	181.	96.	185.	100.	109.	103.	21.	1.	429.
13 32 35	96.	99.	76.	187.	101.	185.	186.	185.	118.	187.	28.	1.	388.
13 32 32	97.	188.	88.	185.	95.	101.	185.	188.	109.	185.	28.	1.	485.
13 32 37	96.	181.	78.	185.	97.	98.	186.	97.	189.	113.	18.	1.	378.
13 32 42	97.	97.	79.	187.	181.	97.	185.	188.	187.	183.	18.	1.	378.
13 32 47	98.	98.	79.	187.	100.	98.	185.	98.	108.	188.	19.	1.	379.
13 32 57	97.	97.	79.	188.	95.	98.	186.	183.	186.	185.	21.	1.	386.
13 33 2	98.	99.	77.	188.	97.	98.	187.	188.	189.	189.	28.	1.	385.
13 33 2	98.	181.	79.	186.	181.	99.	118.	97.	118.	114.	19.	1.	357.
13 33 7	98.	188.	88.	188.	188.	98.	187.	98.	185.	118.	21.	1.	366.
13 33 12	181.	98.	84.	188.	188.	99.	187.	95.	185.	111.	18.	1.	368.
13 33 17	188.	188.	83.	187.	188.	99.	187.	95.	188.	114.	19.	1.	368.
13 33 27	95.	96.	74.	186.	183.	99.	186.	186.	112.	187.	18.	1.	368.
13 33 33	95.	98.	77.	188.	182.	98.	186.	184.	118.	183.	28.	1.	368.
13 33 38	98.	99.	82.	188.	99.	99.	186.	98.	185.	186.	18.	1.	359.
13 33 51	98.	188.	82.	188.	99.	188.	187.	98.	186.	111.	28.	1.	366.
13 73 48	97.	99.	72.	188.	181.	99.	185.	183.	187.	188.	23.	1.	363.
13 33 53	98.	181.	77.	188.	188.	99.	188.	181.	188.	112.	22.	1.	368.
13 33 53	95.	181.	88.	189.	181.	188.	187.	186.	185.	181.	18.	1.	364.
13 33 58	97.	181.	81.	188.	188.	188.	187.	182.	187.	187.	18.	1.	356.
13 34 3	98.	183.	88.	186.	188.	98.	187.	185.	113.	111.	22.	1.	352.
13 34 8	98.	181.	81.	188.	181.	98.	186.	182.	118.	188.	21.	1.	355.
13 34 13	99.	181.	82.	188.	188.	99.	188.	181.	188.	113.	19.	1.	351.
13 34 18	97.	182.	82.	188.	188.	188.	187.	183.	118.	111.	19.	1.	352.
13 34 23	188.	181.	82.	118.	181.	99.	188.	95.	185.	113.	18.	1.	344.
13 34 29	99.	188.	81.	189.	181.	99.	188.	181.	188.	111.	19.	1.	347.
13 34 42	99.	188.	81.	118.	185.	99.	188.	97.	183.	112.	18.	1.	344.
13 34 39	98.	98.	88.	189.	183.	181.	187.	182.	186.	189.	18.	1.	341.
13 34 44	99.	183.	88.	186.	181.	99.	189.	188.	118.	114.	23.	1.	368.
13 34 49	99.	181.	81.	181.	181.	99.	188.	182.	189.	189.	22.	1.	352.
13 34 54	181.	99.	83.	189.	181.	99.	188.	97.	187.	112.	28.	1.	351.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
13 34 59	99.	100.	81.	109.	101.	99.	108.	101.	107.	111.	19.	1.	342.
13 35 4	100.	98.	83.	110.	101.	99.	106.	96.	105.	112.	18.	1.	340.
13 35 9	101.	99.	83.	110.	101.	99.	108.	96.	105.	114.	19.	1.	345.
13 35 14	99.	97.	81.	108.	101.	97.	108.	95.	109.	113.	22.	1.	352.
13 35 19	99.	98.	81.	109.	95.	98.	108.	97.	107.	109.	21.	1.	344.
13 35 24	101.	99.	80.	112.	101.	99.	108.	97.	106.	112.	18.	1.	325.
13 35 29	100.	98.	79.	103.	99.	99.	109.	100.	108.	113.	20.	1.	339.
13 35 34	100.	102.	79.	110.	100.	99.	109.	99.	107.	112.	21.	1.	337.
13 35 39	101.	101.	79.	110.	108.	97.	109.	98.	107.	112.	28.	1.	328.
13 55 44	99.	97.	79.	106.	102.	99.	108.	101.	105.	106.	19.	1.	345.
13 51 26	100.	100.	73.	111.	103.	99.	111.	107.	107.	105.	19.	1.	328.
13 51 26	103.	103.	68.	108.	103.	99.	110.	104.	110.	112.	20.	1.	307.
13 51 31	101.	102.	67.	112.	99.	99.	111.	107.	110.	108.	19.	1.	309.
13 51 36	98.	99.	69.	117.	103.	104.	114.	101.	106.	111.	28.	1.	305.
13 51 41	108.	101.	68.	116.	102.	101.	115.	105.	110.	110.	19.	1.	311.
13 51 46	103.	99.	67.	117.	102.	100.	114.	105.	105.	109.	18.	1.	305.
13 51 51	102.	102.	67.	116.	102.	99.	115.	107.	109.	107.	19.	1.	304.
13 51 57	101.	101.	67.	110.	103.	99.	115.	101.	116.	112.	28.	1.	295.
13 52 2	102.	100.	67.	113.	103.	99.	114.	105.	112.	108.	28.	1.	301.
13 52 15	100.	103.	67.	114.	102.	98.	115.	110.	113.	108.	17.	1.	319.
13 52 12	102.	101.	69.	115.	102.	97.	116.	106.	110.	109.	19.	1.	313.
13 52 17	100.	100.	66.	116.	104.	98.	114.	111.	111.	103.	28.	1.	312.
13 52 22	102.	108.	67.	116.	101.	96.	111.	106.	110.	107.	28.	1.	311.
13 52 35	100.	102.	65.	113.	95.	99.	114.	113.	111.	106.	21.	1.	303.
13 52 32	101.	108.	66.	116.	99.	95.	114.	106.	108.	107.	28.	1.	298.
13 52 37	103.	102.	67.	114.	101.	99.	116.	108.	113.	100.	16.	1.	319.
13 52 42	102.	102.	67.	112.	102.	97.	116.	108.	110.	109.	28.	1.	306.
13 52 47	101.	97.	67.	110.	101.	99.	114.	103.	106.	106.	19.	1.	311.
13 52 52	101.	99.	67.	117.	102.	99.	115.	107.	107.	105.	19.	1.	303.
13 52 57	101.	102.	67.	115.	101.	101.	116.	107.	111.	105.	21.	1.	305.
13 53 2	102.	100.	66.	116.	102.	100.	115.	105.	108.	107.	28.	1.	303.
13 53 7	99.	101.	66.	115.	102.	97.	115.	112.	110.	105.	18.	1.	307.
13 57 20	100.	101.	66.	112.	102.	98.	115.	112.	110.	105.	18.	1.	321.
13 57 38	95.	103.	67.	114.	101.	99.	117.	95.	107.	111.	28.	1.	321.
13 57 35	97.	101.	64.	116.	101.	99.	115.	101.	107.	111.	28.	1.	327.
13 57 48	97.	101.	37.	114.	101.	99.	116.	102.	110.	108.	43.	2.	360.
13 57 40	91.	99.	39.	112.	105.	90.	115.	106.	108.	105.	49.	3.	370.
13 57 45	81.	95.	32.	112.	102.	95.	113.	112.	108.	103.	82.	4.	408.
13 57 50	80.	93.	36.	111.	101.	96.	113.	105.	108.	107.	95.	3.	433.
13 58 0	76.	90.	38.	111.	101.	97.	106.	97.	108.	114.	130.	2.	511.
13 58 0	74.	89.	38.	111.	102.	96.	108.	100.	108.	108.	144.	2.	536.
13 58 5	71.	89.	37.	110.	101.	97.	110.	103.	106.	103.	181.	1.	618.
13 58 10	71.	89.	38.	111.	99.	97.	111.	100.	105.	105.	182.	1.	633.
13 58 15	69.	90.	42.	108.	101.	95.	112.	100.	109.	110.	184.	0.	674.
13 58 20	69.	89.	42.	108.	100.	96.	110.	98.	107.	110.	182.	1.	693.
13 58 25	68.	87.	40.	110.	101.	98.	110.	97.	105.	103.	180.	1.	734.
13 58 31	68.	87.	40.	109.	101.	97.	110.	97.	104.	103.	180.	1.	740.
13 58 36	65.	87.	40.	109.	102.	97.	110.	97.	100.	102.	183.	1.	746.
13 58 41	66.	87.	40.	109.	102.	97.	110.	97.	102.	98.	183.	1.	749.

TIME H/M/S	EC 14 TEMP AIR OUTLET OVERHD L/H CABIN	EC 15 TEMP AIR INLET CABIN SENSOR 1-12	EC 16 TEMP AIR INLET DUCT TEE CABIN	EC 17 TEMP AIR CABIN EXIT	EC 6 TEMP MASS PILOTS CREW STAT FLOOR	EC 10 TEMP MASS CO-PLT CREW STAT FLOOR	EC 18 TEMP AIR BEHIND PILOTS PANEL	EC 19 TEMP AIR BEHIND CO-PLT PANEL	EC 20 TEMP SURFAC WIND SHIELD BOTTOM	EC 21 TEMP SURFAC WIND SHIELD CENTER	EC 24 PRESS UPSTRM OF BLEED AIR REG	EC 25 FLOW PRESS UPSTRM OF BLD AIR	EC 26 TEMP AIR DWNSTR OF SERVCE AR REG
04													
13 58 46	65.	86.	42.	108.	99.	95.	111.	96.	103.	106.	101.	1.	778.
13 58 51	59.	87.	42.	107.	99.	96.	111.	95.	104.	107.	147.	1.	777.
13 58 56	65.	85.	44.	110.	103.	96.	95.	98.	108.	103.	28.	1.	731.
13 59 1	66.	87.	45.	110.	101.	97.	102.	97.	108.	107.	28.	1.	720.
13 59 6	69.	95.	46.	110.	99.	99.	111.	98.	108.	110.	19.	1.	692.
13 59 11	69.	92.	46.	110.	100.	98.	111.	94.	103.	109.	23.	1.	659.
13 59 16	71.	92.	45.	110.	98.	97.	111.	99.	105.	103.	19.	1.	592.
13 59 21	71.	92.	39.	110.	100.	97.	111.	100.	105.	104.	19.	1.	597.
14 6 3	74.	95.	47.	112.	104.	96.	110.	101.	104.	105.	21.	1.	558.
14 6 8	84.	97.	55.	112.	102.	97.	111.	101.	106.	108.	22.	1.	449.
14 6 13	90.	100.	59.	113.	102.	96.	113.	111.	110.	95.	22.	1.	351.
14 6 18	87.	100.	61.	113.	101.	96.	113.	111.	109.	99.	23.	1.	348.
14 6 23	93.	98.	65.	112.	99.	97.	114.	108.	116.	110.	23.	1.	348.
14 6 23	92.	99.	64.	112.	100.	97.	114.	103.	113.	108.	24.	1.	332.
14 6 33	92.	97.	63.	114.	101.	97.	110.	109.	109.	100.	23.	1.	358.
14 6 33	93.	97.	64.	114.	101.	97.	108.	104.	109.	105.	23.	1.	345.
14 46 38	88.	99.	66.	112.	108.	97.	114.	105.	111.	111.	25.	1.	319.
45 85 85	90.	101.	66.	112.	100.	97.	114.	105.	111.	110.	25.	1.	318.
14 13 14	95.	99.	88.	116.	101.	97.	112.	103.	107.	108.	22.	1.	321.
14 13 19	95.	100.	80.	116.	101.	98.	112.	105.	106.	108.	21.	1.	329.
14 53 24	94.	105.	88.	114.	101.	96.	117.	109.	112.	109.	19.	1.	317.
14 13 29	95.	103.	80.	115.	101.	97.	114.	104.	109.	109.	18.	1.	317.
14 13 29	94.	103.	80.	114.	102.	97.	115.	108.	110.	105.	19.	1.	322.
14 13 34	96.	102.	77.	115.	101.	100.	115.	104.	109.	106.	18.	1.	327.
8 8 8	94.	104.	80.	113.	100.	97.	117.	109.	111.	107.	20.	1.	331.
45 85 85	93.	102.	80.	115.	100.	98.	116.	109.	109.	105.	20.	1.	337.
45 85 85	97.	103.	82.	115.	101.	97.	114.	101.	110.	113.	20.	1.	329.
14 16 8	91.	103.	81.	114.	102.	96.	114.	106.	110.	100.	20.	1.	322.
14 16 5	97.	100.	82.	113.	102.	97.	113.	103.	108.	114.	4.	0.	338.
14 16 10	96.	100.	83.	115.	101.	97.	113.	103.	108.	110.	3.	0.	325.
14 16 15	96.	102.	85.	115.	95.	96.	112.	103.	110.	105.	-1.	0.	312.
14 16 21	96.	100.	84.	116.	99.	97.	111.	101.	110.	106.	-1.	0.	303.
14 16 26	95.	98.	84.	115.	101.	97.	112.	109.	110.	107.	0.	0.	305.
14 16 31	94.	99.	84.	113.	99.	97.	111.	111.	110.	110.	1.	0.	297.
14 16 36	93.	102.	84.	113.	100.	97.	112.	111.	107.	110.	0.	-0.	306.
45 85 85	95.	102.	85.	113.	100.	97.	112.	106.	106.	107.	0.	-0.	299.
45 85 85	95.	99.	86.	114.	101.	96.	111.	105.	112.	109.	0.	0.	275.
14 18 21	97.	99.	89.	112.	100.	97.	111.	103.	110.	106.	0.	0.	261.
14 18 27	97.	105.	90.	108.	101.	98.	112.	101.	107.	102.	-1.	0.	246.
14 18 32	97.	105.	90.	108.	101.	96.	113.	102.	107.	104.	-0.	0.	247.
14 18 37	97.	103.	90.	108.	100.	97.	111.	100.	107.	103.	-1.	0.	250.
14 18 42	97.	104.	89.	108.	101.	97.	113.	103.	106.	102.	-2.	0.	255.
14 18 55	95.	103.	86.	106.	101.	97.	112.	109.	105.	108.	-1.	-0.	247.
14 18 52	95.	103.	87.	101.	101.	96.	112.	110.	107.	110.	-0.	-0.	240.
14 18 57	97.	101.	89.	108.	101.	97.	111.	110.	112.	114.	-1.	0.	220.
14 19 2	97.	101.	89.	108.	100.	96.	110.	110.	111.	110.	0.	0.	239.
14 19 7	98.	102.	92.	108.	101.	97.	111.	105.	111.	108.	0.	0.	246.
8 1 12	97.	102.	91.	109.	100.	97.	111.	107.	111.	111.	0.	0.	241.

C COMMUTATOR

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY PLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
12 55 53	-1.	-.391	-1.	100.	111.	103.	106.	2.	.33	.10	103.	-1.17	103.
12 55 58	-1.	-.254	-1.	100.	121.	103.	105.	3.	.31	.05	103.	-.47	103.
12 56 3	-0.	-.196	-0.	100.	94.	105.	105.	-0.	.27	-.18	103.	-.96	104.
12 56 8	-0.	-.254	-0.	100.	97.	104.	105.	1.	.32	-.08	103.	-.57	104.
12 56 13	-0.	-.196	0.	101.	110.	103.	104.	1.	.39	-.02	103.	.74	105.
12 56 18	-1.	-.283	0.	98.	109.	103.	104.	-0.	.42	0.00	103.	-.37	104.
12 56 28	-1.	-.391	-0.	100.	120.	103.	105.	-5.	.29	.22	103.	-3.23	103.
12 56 33	-1.	-.332	-0.	100.	102.	103.	105.	-4.	.33	.09	100.	-2.51	103.
12 56 38	-1.	-.235	-0.	100.	111.	104.	101.	1.	.27	-.02	105.	-.04	111.
12 56 43	-1.	-.264	-0.	100.	114.	104.	103.	1.	.23	-.02	105.	-.61	108.
12 56 51	-1.	-.293	0.	101.	117.	103.	107.	0.	.33	0.00	103.	-1.17	112.
12 56 48	-1.	-.274	0.	98.	115.	104.	106.	0.	.31	-.08	103.	-1.37	107.
12 56 53	-1.	-.274	0.	100.	106.	103.	100.	-5.	.35	.14	103.	-1.47	105.
12 56 58	-1.	-.332	-0.	100.	113.	102.	102.	-4.	.37	.19	103.	-1.20	104.
12 57 3	-2.	-.411	-0.	102.	121.	105.	105.	-2.	.14	.04	103.	-.76	105.
12 57 8	-1.	-.381	-0.	101.	118.	105.	105.	-1.	.14	.06	101.	-.11	103.
13 22 20	48.	-.547	0.	78.	163.	99.	84.	-30.	.33	0.00	99.	-.92	95.
13 22 25	46.	-.313	0.	77.	149.	101.	83.	-29.	.28	.16	100.	-.57	90.
13 22 30	44.	-.274	-1.	78.	117.	98.	84.	-32.	.37	.20	101.	-.86	97.
13 22 35	44.	-.235	-1.	78.	117.	99.	84.	-28.	.30	.21	101.	.74	98.
13 22 40	46.	-.156	0.	74.	127.	102.	82.	-30.	.29	.20	97.	1.13	98.
13 22 45	40.	-.205	0.	74.	130.	102.	82.	-30.	.26	.06	97.	1.66	98.
13 22 50	14.	-.352	-0.	78.	123.	95.	74.	-20.	1.04	.65	103.	1.23	93.
13 23 0	14.	-.362	1.	57.	157.	96.	50.	-7.	1.55	1.16	100.	1.63	82.
13 23 5	17.	-.489	2.	30.	107.	95.	24.	5.	5.16	4.34	101.	1.56	61.
13 23 5	17.	-.342	2.	31.	204.	97.	27.	1.	4.79	3.83	101.	1.66	57.
13 23 18	17.	-.411	2.	35.	217.	90.	39.	4.	3.75	2.68	98.	1.39	48.
13 24 43	24.	-.283	2.	35.	267.	125.	37.	20.	5.39	4.39	93.	1.25	43.
13 24 40	30.	-.293	2.	36.	319.	163.	38.	48.	10.19	8.11	52.	-.08	35.
13 24 61	40.	-.264	2.	36.	339.	169.	39.	53.	10.40	8.16	46.	.31	36.
13 24 58	44.	-.254	3.	40.	398.	181.	43.	54.	10.13	7.94	42.	.82	35.
13 25 3	43.	-.332	3.	38.	398.	187.	43.	55.	9.74	7.42	43.	.18	36.
13 65 0	44.	-.391	2.	35.	399.	203.	44.	65.	8.50	6.24	43.	1.99	39.
13 25 13	44.	-.332	2.	37.	428.	209.	45.	62.	8.24	6.16	44.	.79	38.
13 25 18	46.	-.352	2.	37.	450.	221.	44.	59.	7.88	5.43	43.	.12	38.
13 25 23	46.	-.274	2.	39.	457.	221.	46.	54.	6.39	4.95	42.	.31	38.
13 25 28	48.	-.450	2.	41.	468.	225.	48.	44.	4.71	4.14	42.	-.14	37.
13 25 33	48.	-.283	2.	42.	465.	226.	43.	42.	4.64	3.88	44.	.94	39.
13 25 43	47.	-.254	3.	40.	449.	231.	40.	41.	4.63	3.81	41.	-.98	40.
13 65 48	46.	-.254	3.	41.	452.	231.	39.	43.	4.67	3.78	44.	.83	41.
13 25 53	47.	-.411	3.	39.	458.	230.	33.	46.	4.73	3.97	42.	1.56	40.
13 25 58	47.	-.283	2.	39.	450.	231.	35.	38.	4.70	3.82	40.	.45	40.
13 25 58	48.	-.352	3.	40.	476.	233.	35.	39.	4.59	3.95	42.	-.59	40.
13 26 3	47.	-.274	3.	41.	467.	233.	37.	36.	4.58	3.73	42.	-.66	41.
13 26 8	48.	-.235	3.	44.	463.	235.	42.	36.	4.48	3.58	42.	-.94	42.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 38 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 26 13	47.	-.235	3.	44.	468.	234.	42.	48.	4.71	3.92	48.	-.74	42.
13 26 18	45.	-.215	3.	39.	478.	230.	44.	59.	6.26	4.97	38.	-.02	39.
13 26 23	46.	-.244	3.	39.	464.	231.	43.	59.	5.82	4.64	38.	1.11	39.
13 26 29	47.	-.391	2.	37.	515.	237.	36.	42.	5.26	4.34	39.	-1.39	48.
13 26 34	47.	-.352	2.	36.	508.	235.	48.	47.	5.27	4.84	39.	-.98	39.
13 26 39	47.	-.078	3.	40.	488.	233.	35.	51.	5.28	4.14	39.	8.00	40.
13 26 44	47.	-.215	2.	39.	493.	234.	36.	58.	5.29	4.48	47.	-.27	48.
13 26 49	46.	-.196	2.	42.	476.	237.	41.	45.	5.38	4.44	126.	-2.48	41.
13 26 54	46.	-.293	2.	44.	483.	236.	44.	41.	5.82	4.31	135.	-2.18	41.
13 26 59	48.	-.332	3.	52.	458.	233.	49.	31.	4.67	3.66	163.	-1.66	42.
13 27 4	48.	-.332	3.	50.	473.	234.	58.	29.	4.53	3.61	178.	-1.92	44.
13 27 9	48.	-.430	2.	42.	471.	236.	50.	31.	4.85	3.58	188.	.57	46.
13 27 14	48.	-.215	2.	46.	457.	232.	48.	26.	3.89	3.13	187.	-.88	47.
13 27 19	32.	-.039	2.	46.	450.	236.	46.	41.	4.59	3.64	76.	-1.82	44.
13 27 24	33.	-.176	2.	46.	464.	237.	44.	39.	4.53	3.73	67.	-.84	45.
13 27 29	33.	-.293	3.	42.	455.	239.	32.	38.	4.59	3.71	54.	-.35	45.
13 27 34	34.	-.332	3.	43.	465.	238.	37.	38.	4.58	3.73	52.	.25	45.
13 27 39	33.	-.176	3.	44.	453.	236.	48.	40.	4.69	3.68	49.	.23	44.
13 27 44	33.	-.215	2.	45.	462.	237.	48.	42.	4.65	3.73	48.	.57	44.
13 27 49	33.	-.274	2.	46.	462.	241.	47.	40.	4.63	3.58	44.	-.23	44.
13 27 54	33.	-.342	3.	45.	462.	248.	45.	48.	4.60	3.58	45.	-.29	43.
13 27 59	34.	-.391	3.	42.	481.	239.	45.	39.	4.48	3.75	42.	.23	44.
13 28 4	34.	-.391	3.	42.	483.	235.	44.	39.	4.44	3.74	37.	.17	44.
13 28 9	34.	-.254	3.	42.	474.	238.	42.	39.	4.65	3.79	45.	-1.86	44.
13 28 19	34.	-.215	3.	43.	467.	238.	44.	40.	4.67	3.71	45.	-.98	44.
13 28 24	34.	-.235	3.	44.	464.	236.	46.	39.	4.75	3.71	43.	-.98	44.
13 28 29	34.	-.235	3.	43.	467.	236.	44.	39.	4.71	3.55	44.	-1.26	44.
13 28 34	33.	-.156	3.	46.	455.	236.	47.	38.	4.69	3.71	46.	-.86	43.
13 28 34	33.	-.303	3.	44.	464.	237.	47.	37.	4.66	3.73	45.	-.49	44.
13 28 39	34.	-.332	3.	46.	481.	239.	45.	44.	4.59	3.68	45.	.29	44.
13 28 44	32.	-.264	2.	47.	481.	240.	47.	37.	4.45	3.59	75.	-.66	45.
13 28 49	29.	-.254	2.	48.	457.	235.	46.	38.	4.50	3.44	154.	-.53	42.
13 28 54	29.	-.274	2.	48.	450.	237.	47.	32.	4.43	3.40	159.	-.31	44.
13 28 59	30.	-.489	3.	51.	439.	237.	49.	27.	4.14	3.25	165.	-1.29	47.
13 29 5	30.	-.323	2.	48.	456.	238.	48.	29.	4.18	3.38	168.	-1.17	47.
13 29 10	30.	-.332	3.	48.	444.	237.	47.	24.	4.26	3.21	172.	-1.13	48.
13 29 15	37.	.528	3.	47.	458.	237.	47.	40.	4.83	3.98	144.	-1.22	47.
13 29 20	29.	-.156	2.	49.	452.	237.	51.	38.	4.24	3.32	69.	-1.37	47.
13 29 25	30.	-.313	3.	48.	452.	238.	51.	32.	4.23	3.30	65.	-2.11	48.
13 29 30	30.	-.332	3.	50.	448.	239.	50.	31.	4.32	3.30	57.	-.59	49.
13 29 35	29.	-.274	3.	50.	443.	240.	58.	33.	4.27	3.33	56.	-.81	49.
13 29 40	30.	-.176	2.	47.	460.	230.	50.	34.	4.18	3.60	52.	-1.58	48.
13 29 45	30.	-.313	2.	47.	455.	232.	47.	33.	4.18	3.56	53.	-1.57	48.
13 29 50	30.	-.371	3.	49.	442.	238.	48.	27.	4.18	3.50	52.	-1.96	48.
13 29 55	38.	-.303	2.	49.	442.	238.	48.	28.	4.24	3.47	51.	-2.36	48.
13 30 0	30.	-.254	2.	50.	448.	237.	50.	30.	4.05	3.54	48.	-1.86	48.
13 30 5	30.	-.225	2.	48.	452.	236.	51.	33.	4.12	3.60	49.	-1.75	48.
13 30 10	30.	-.176	3.	48.	436.	239.	50.	34.	4.32	3.44	50.	-1.52	48.
13 30 15	30.	-.411	2.	48.	448.	237.	49.	34.	4.29	3.27	50.	-1.61	45.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 30 20	30.	-.293	3.	48.	458.	237.	47.	34.	4.20	3.62	50.	-1.21	48.
13 30 25	30.	-.225	2.	48.	455.	236.	48.	34.	4.25	3.62	50.	-1.59	48.
13 30 30	29.	-.371	3.	48.	443.	237.	46.	34.	4.32	3.56	45.	-.63	48.
13 30 35	29.	-.283	2.	46.	452.	238.	47.	34.	4.31	3.68	47.	-1.35	49.
13 30 40	30.	-.235	2.	48.	454.	239.	50.	41.	4.22	3.56	48.	-1.33	48.
13 30 45	28.	-.352	3.	49.	443.	238.	50.	33.	4.09	3.33	80.	-1.59	49.
13 30 55	25.	-.430	2.	54.	415.	239.	54.	24.	4.22	2.99	171.	.37	51.
13 31 0	26.	-.381	2.	52.	420.	239.	51.	23.	4.09	3.10	178.	-1.03	51.
13 31 5	28.	-.274	2.	53.	449.	239.	54.	25.	3.83	3.36	187.	.53	52.
13 31 10	28.	-.459	2.	52.	441.	237.	53.	21.	3.84	3.19	189.	-.38	51.
13 31 15	26.	-.352	2.	50.	425.	237.	48.	29.	3.89	3.11	194.	-.96	52.
13 31 15	37.	-.244	3.	46.	448.	238.	42.	45.	5.29	4.57	149.	-1.30	49.
13 31 20	47.	-.137	3.	41.	481.	239.	40.	67.	8.27	7.39	63.	-2.01	41.
13 31 25	47.	-.186	3.	43.	488.	239.	41.	66.	8.59	7.85	61.	-1.83	42.
13 31 30	46.	-.235	3.	32.	510.	240.	37.	65.	6.76	5.81	52.	-2.99	42.
13 31 35	35.	-.450	3.	38.	491.	239.	39.	42.	5.00	4.27	52.	-3.50	48.
13 31 40	19.	-.137	2.	61.	449.	235.	56.	6.	2.50	2.42	59.	-3.60	58.
13 32 17	19.	-.156	2.	61.	413.	236.	60.	9.	2.67	2.46	67.	-3.24	55.
13 32 22	19.	-.215	3.	56.	371.	235.	53.	13.	2.64	2.58	75.	-2.23	59.
13 32 35	18.	-.205	2.	58.	373.	235.	58.	12.	2.64	2.41	76.	-2.33	59.
13 32 32	19.	-.293	3.	61.	355.	234.	63.	12.	2.64	2.64	77.	-2.42	59.
13 32 37	19.	-.235	2.	59.	360.	234.	62.	14.	2.64	2.57	77.	-2.88	59.
13 32 42	18.	-.215	2.	61.	360.	234.	61.	15.	2.66	2.72	78.	-1.25	59.
13 32 47	18.	-.186	3.	60.	364.	232.	60.	13.	2.65	2.66	79.	-1.99	58.
13 32 57	18.	-.469	2.	56.	337.	230.	63.	13.	2.89	2.33	76.	-1.45	59.
13 33 2	18.	-.401	2.	57.	352.	229.	61.	14.	2.82	2.44	79.	-2.14	59.
13 33 2	18.	-.352	3.	53.	335.	226.	60.	4.	2.82	2.56	79.	-2.25	58.
13 33 7	18.	-.274	2.	56.	334.	226.	59.	9.	2.78	2.57	79.	-2.88	58.
13 33 12	18.	-.274	2.	58.	332.	226.	58.	11.	2.80	2.62	81.	-1.82	58.
13 33 17	18.	-.352	2.	57.	333.	224.	58.	9.	2.85	2.58	81.	-2.33	58.
13 33 27	19.	-.332	3.	56.	324.	222.	55.	10.	2.99	2.66	82.	-1.98	58.
13 33 33	18.	-.371	2.	56.	332.	223.	56.	10.	2.99	2.54	82.	-2.29	58.
13 33 38	19.	-.274	3.	56.	320.	219.	56.	12.	2.83	2.46	79.	-1.58	57.
13 33 51	18.	-.352	2.	55.	322.	218.	55.	10.	2.93	2.49	80.	-2.21	57.
13 73 48	18.	-.196	2.	56.	340.	220.	53.	6.	2.82	2.74	82.	-1.92	57.
13 33 53	18.	-.283	2.	56.	335.	219.	54.	11.	2.90	2.65	82.	-1.88	56.
13 33 53	18.	-.371	3.	54.	329.	215.	54.	9.	2.97	2.48	80.	-1.64	56.
13 33 58	18.	-.293	2.	55.	329.	215.	54.	9.	2.93	2.64	80.	-2.32	56.
13 34 3	18.	-.293	2.	56.	332.	217.	52.	8.	2.97	2.58	82.	-3.44	56.
13 34 8	18.	-.293	2.	55.	333.	217.	53.	9.	2.99	2.60	81.	-3.65	56.
13 34 13	18.	-.293	3.	54.	309.	214.	55.	9.	2.87	2.58	80.	-1.41	56.
13 34 18	18.	-.274	2.	53.	320.	215.	54.	11.	2.86	2.65	81.	-2.13	56.
13 34 23	19.	-.176	3.	55.	324.	214.	56.	9.	2.87	2.48	76.	-2.70	58.
13 34 29	19.	-.264	2.	55.	339.	213.	54.	9.	2.90	2.55	78.	-2.99	56.
13 34 42	18.	-.196	2.	54.	327.	203.	54.	9.	2.89	2.82	76.	-2.54	54.
13 34 39	19.	-.186	2.	53.	321.	207.	53.	9.	2.88	2.78	78.	-2.89	55.
13 34 44	18.	-.352	3.	52.	326.	210.	48.	9.	2.99	2.58	78.	-4.07	54.
13 34 49	18.	-.371	2.	53.	334.	210.	49.	9.	3.00	2.61	79.	-4.13	54.
13 34 54	19.	-.489	3.	52.	319.	211.	50.	9.	2.95	2.46	77.	-3.13	55.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 34 59	18.	-.293	3.	53.	314.	218.	52.	11.	2.91	2.56	77.	-3.31	55.
13 35 4	19.	-.293	2.	54.	325.	215.	53.	10.	2.87	2.74	74.	-4.81	54.
13 35 9	18.	-.303	2.	54.	319.	211.	53.	9.	2.90	2.66	74.	-4.81	54.
13 35 14	18.	-.489	1.	53.	336.	206.	52.	12.	3.01	2.68	74.	-4.36	52.
13 35 19	18.	-.371	2.	53.	326.	206.	50.	11.	2.90	2.44	74.	-4.31	50.
13 35 24	19.	-.176	2.	52.	324.	208.	53.	13.	2.87	2.82	73.	-3.70	53.
13 35 29	18.	-.196	2.	52.	328.	207.	54.	13.	2.89	2.68	74.	-3.89	52.
13 35 34	18.	-.411	2.	50.	336.	205.	50.	11.	2.88	2.42	76.	-4.87	53.
13 35 39	18.	-.274	1.	51.	335.	206.	52.	10.	2.84	2.62	75.	-5.38	53.
13 55 44	18.	-.196	3.	50.	332.	204.	52.	10.	2.95	2.64	69.	-4.56	47.
13 51 26	17.	-.235	3.	49.	333.	195.	51.	6.	2.95	2.67	63.	-6.96	48.
13 51 26	17.	-.254	2.	50.	307.	187.	45.	1.	2.97	2.85	63.	-10.89	47.
13 51 31	17.	-.411	2.	48.	307.	187.	44.	3.	2.94	2.84	62.	-9.49	48.
13 51 36	18.	-.332	1.	48.	304.	189.	50.	3.	2.87	2.93	65.	-9.09	48.
13 51 41	18.	-.323	2.	48.	301.	189.	48.	3.	2.85	2.92	64.	-9.33	48.
13 51 46	17.	-.313	2.	48.	317.	187.	50.	4.	2.87	2.85	68.	-8.99	47.
13 51 51	17.	-.274	2.	48.	310.	188.	47.	4.	2.94	2.77	62.	-9.29	48.
13 51 57	18.	-.274	2.	49.	312.	191.	44.	6.	2.87	2.95	63.	-9.46	48.
13 52 2	18.	-.166	2.	48.	313.	190.	46.	3.	2.96	2.83	62.	-9.45	48.
13 52 15	17.	-.293	3.	47.	312.	178.	43.	-0.	2.93	2.72	63.	-9.35	48.
13 52 12	17.	-.303	3.	48.	322.	184.	46.	-0.	2.96	2.69	62.	-9.51	49.
13 52 17	17.	-.156	3.	50.	316.	188.	48.	4.	2.93	2.58	63.	-9.74	48.
13 52 22	17.	-.166	3.	49.	322.	189.	47.	3.	2.95	2.53	63.	-9.51	45.
13 52 35	17.	-.254	3.	46.	314.	189.	45.	3.	3.01	2.56	53.	-9.27	50.
13 52 32	17.	-.254	2.	47.	310.	187.	48.	4.	3.00	2.59	57.	-9.37	48.
13 52 37	18.	-.176	3.	47.	315.	189.	47.	2.	2.89	2.66	63.	-9.64	49.
13 52 42	18.	-.244	2.	48.	312.	189.	47.	3.	2.94	2.79	63.	-9.49	46.
13 52 47	18.	-.802	2.	49.	295.	187.	51.	-4.	2.82	2.85	61.	-10.75	48.
13 52 52	18.	-.655	2.	49.	295.	187.	50.	0.	2.85	2.84	61.	-10.24	48.
13 52 57	17.	-.176	2.	48.	320.	186.	50.	5.	3.01	2.70	63.	-9.50	48.
13 53 2	17.	-.205	2.	48.	319.	187.	49.	6.	2.97	2.73	61.	-9.12	48.
13 53 7	18.	-.411	3.	45.	310.	178.	50.	-[illegible]	2.89	2.66	65.	-9.50	49.
13 57 20	17.	-.225	1.	47.	318.	181.	50.	[illegible]	2.85	2.77	64.	-9.49	49.
13 57 30	16.	-.176	3.	48.	290.	185.	48.	4.	2.85	2.85	64.	-9.40	52.
13 57 35	23.	-.020	2.	42.	306.	186.	40.	22.	4.32	3.95	58.	-9.07	47.
13 57 40	36.	.528	2.	31.	378.	192.	36.	52.	8.54	6.14	41.	-8.68	40.
13 57 40	40.	.626	2.	34.	379.	195.	40.	57.	9.78	7.03	39.	-8.84	39.
13 57 45	47.	.743	2.	37.	429.	213.	40.	112.	15.80	11.24	35.	-8.78	38.
13 57 50	47.	.753	2.	38.	459.	222.	47.	96.	13.36	9.75	35.	-8.79	38.
13 58 0	48.	.704	3.	40.	481.	236.	42.	72.	7.98	6.74	37.	-9.31	37.
13 58 0	48.	.772	3.	40.	488.	238.	48.	64.	7.20	6.18	37.	-9.88	40.
13 58 5	46.	.919	3.	42.	516.	244.	40.	51.	5.36	4.57	37.	-9.89	40.
13 58 10	47.	.919	3.	43.	518.	242.	43.	43.	5.12	4.23	38.	-9.67	40.
13 58 15	47.	.938	1.	44.	521.	240.	44.	52.	5.04	4.48	41.	-8.78	42.
13 58 20	47.	.958	2.	43.	534.	239.	43.	51.	5.13	4.38	39.	-8.53	42.
13 58 25	47.	1.212	3.	42.	561.	239.	42.	55.	5.22	4.44	40.	-8.37	40.
13 58 31	47.	1.185	3.	42.	564.	242.	42.	51.	5.19	4.40	37.	-8.73	41.
13 58 36	48.	.821	3.	42.	580.	243.	42.	53.	5.28	4.59	41.	-8.76	37.
13 58 41	48.	.868	3.	43.	583.	243.	43.	54.	5.30	4.58	41.	-8.52	43.

TIME H/M/S	EC 27 PRESS TOTAL DWNSTR SER AIR PRESS	EC 28 FLOWPR DWNSTR OF SV REG PY270-PY274	EC 39 PRESS STATIC DWNSTR OF PRIMRY HX	EC 29 TEMP AIR UPSTRM OF WATER SEP	EC 44 TEMP AIR DWNSTR OF COMPR	EC 45 TEMP AIR INLET ECS TURBIN	EC 46 TEMP AIR OUTLET ECS TURBIN	EC 47 PRESS ECS TURBIN INLET	EC 48 PRESS STATIC ECS TURBIN OUTLET	EC 30 PRESS UPSTRM OF WATER SEP	EC 32 TEMP AIR MAIN CABIN SUPPLY FLTUBE	EC 33 PRESS MAIN CABIN AT FLOW TUBE	EC 35 TEMP AIR FWD EQUIP BAY VENTUR
05													
13 58 46	48.	.802	4.	44.	601.	243.	47.	53.	5.28	4.46	42.	-8.25	42.
13 58 51	49.	.909	3.	44.	613.	244.	43.	52.	5.35	4.56	41.	-8.44	41.
13 58 56	16.	.176	3.	61.	582.	245.	61.	-0.	2.03	1.60	47.	-8.60	50.
13 59 1	17.	.138	4.	63.	561.	243.	65.	1.	2.21	1.80	46.	-8.60	53.
13 59 6	17.	.196	3.	68.	511.	241.	76.	5.	2.23	2.13	47.	-8.62	58.
13 59 11	17.	.127	3.	69.	505.	242.	75.	6.	2.31	2.09	47.	-8.48	60.
13 59 16	17.	.020	3.	66.	473.	242.	73.	5.	2.35	2.01	50.	-8.60	61.
13 59 21	17.	0.000	3.	67.	484.	241.	72.	6.	2.31	2.05	50.	-8.53	61.
14 6 3	17.	.039	3.	67.	453.	242.	71.	5.	2.35	2.07	52.	-8.97	53.
14 6 8	20.	.078	1.	57.	425.	227.	61.	12.	2.74	2.60	54.	-9.22	52.
14 6 13	23.	.215	0.	54.	413.	222.	56.	14.	3.05	2.48	61.	-9.52	53.
14 6 18	23.	.264	0.	56.	428.	225.	58.	13.	3.16	2.71	61.	-9.64	54.
14 6 23	23.	.196	0.	60.	448.	234.	61.	12.	2.99	2.91	63.	-10.85	56.
14 6 23	24.	.098	-0.	59.	446.	237.	58.	14.	3.05	2.85	62.	-9.93	57.
14 6 33	24.	.215	0.	63.	459.	244.	63.	11.	3.07	2.87	61.	-9.66	53.
14 6 33	24.	.020	0.	62.	470.	244.	61.	10.	3.12	2.86	63.	-9.77	56.
14 46 38	25.	-.450	-0.	63.	468.	244.	64.	16.	3.09	2.89	65.	-10.03	60.
45 85 85	25.	-.411	-0.	64.	477.	246.	65.	16.	3.18	2.83	65.	-9.79	61.
14 13 14	16.	-.371	2.	54.	383.	182.	48.	1.	2.33	2.15	84.	-10.99	60.
14 13 19	16.	-.313	2.	53.	385.	181.	48.	-2.	2.41	2.14	84.	-10.94	57.
14 53 24	17.	-.313	2.	51.	312.	182.	52.	-2.	2.25	2.31	86.	-11.85	55.
14 13 29	17.	-.313	3.	50.	309.	182.	49.	-3.	2.30	2.25	85.	-10.48	54.
14 13 29	17.	-.254	2.	50.	318.	194.	42.	0.	2.33	2.40	86.	-10.52	53.
14 13 34	17.	-.196	2.	50.	307.	182.	47.	-2.	2.32	2.34	85.	-10.69	53.
0 0 0	17.	-.371	2.	51.	321.	185.	52.	-6.	2.39	2.27	86.	-10.97	53.
45 85 85	17.	-.342	2.	51.	327.	186.	52.	-5.	2.48	2.21	86.	-11.10	53.
45 85 85	18.	-.352	2.	51.	325.	182.	42.	-2.	2.35	2.31	85.	-10.81	53.
14 16 8	18.	-.303	2.	50.	322.	184.	45.	-4.	2.35	2.31	79.	-11.05	53.
14 16 5	4.	-.254	3.	59.	303.	197.	71.	-31.	.70	.78	88.	-11.24	55.
14 16 10	2.	-.283	2.	71.	283.	185.	89.	-33.	.60	.54	87.	-11.34	57.
14 16 15	-1.	-.274	-0.	85.	240.	190.	117.	-45.	.31	.20	86.	-11.46	62.
14 16 21	-1.	-.264	-1.	81.	259.	189.	111.	-42.	.26	.29	85.	-11.22	62.
14 16 26	-1.	-.391	-0.	81.	279.	189.	99.	-42.	.35	.29	87.	-11.53	61.
14 16 31	-1.	-.352	-0.	74.	289.	186.	94.	-41.	.38	.33	83.	-11.45	59.
14 16 36	-1.	-.352	0.	71.	290.	188.	91.	-43.	.43	.29	86.	-11.40	59.
45 85 85	-1.	-.313	-0.	70.	289.	189.	91.	-40.	.47	.39	86.	-11.31	59.
45 85 85	-0.	-.391	-1.	69.	280.	183.	87.	-42.	.29	.43	84.	-11.28	56.
14 18 21	-1.	-.352	-0.	74.	278.	182.	87.	-42.	.33	.34	87.	-11.14	60.
14 18 27	-0.	-.215	-0.	80.	250.	182.	87.	-45.	.22	.41	74.	-11.57	65.
14 18 32	-1.	-.264	-0.	77.	244.	182.	87.	-44.	.32	.24	82.	-11.90	65.
14 18 37	-0.	-.274	-0.	79.	249.	182.	88.	-42.	.29	.23	90.	-11.24	65.
14 18 42	-0.	-.254	0.	78.	246.	181.	88.	-44.	.29	.23	89.	-11.16	66.
14 18 55	-1.	-.352	0.	79.	242.	182.	88.	-43.	.31	.25	90.	-11.20	67.
14 18 52	-1.	-.332	0.	80.	249.	182.	89.	-47.	.34	.30	89.	-11.13	67.
14 19 57	-1.	0.000	0.	80.	233.	182.	84.	-52.	.35	.41	88.	-11.44	66.
14 19 2	-1.	-.176	-0.	77.	251.	181.	87.	-50.	.38	.34	88.	-11.52	66.
14 19 7	-1.	-.352	-0.	81.	279.	191.	90.	-48.	.33	.37	92.	-11.73	67.
0 1 12	-1.	-.332	-0.	79.	268.	181.	90.	-49.	.31	.37	91.	-11.73	67.

C COMMUTATOR

TIME H/M/S 06	EC 49 TEMP AIR OWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR OWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET P/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP. COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
12 55 53	105.	0.	-.16	125.	29.02	.03	.3	106.	152.41	150.5	202.8	115.	-2.
12 55 58	105.	0.	-.32	99.	29.41	.01	.3	94.	151.76	150.8	202.2	114.	-1.
12 56 3	103.	-0.	-.25	101.	29.26	-.01	.2	93.	152.41	150.5	206.8	116.	-1.
12 56 8	104.	-0.	-.28	103.	29.29	-.01	.1	94.	152.24	149.8	204.7	116.	-1.
12 56 13	105.	-0.	-.33	73.	29.32	-.00	.2	90.	151.76	149.8	204.7	115.	-1.
12 56 18	105.	0.	-.28	86.	29.47	.01	.3	97.	152.09	150.1	204.7	114.	-1.
12 56 28	105.	0.	-.33	89.	29.32	.01	.2	103.	152.41	149.8	203.5	114.	-2.
12 56 33	105.	0.	-.38	93.	29.44	.01	.1	103.	152.41	150.5	203.5	114.	-2.
12 56 38	107.	0.	-.35	95.	29.14	.03	.3	89.	151.76	149.8	205.4	114.	-1.
12 56 43	105.	0.	-.38	95.	29.23	.03	.2	91.	150.47	149.8	206.8	114.	-1.
12 56 51	105.	0.	-.43	103.	29.14	.01	.2	90.	151.76	150.5	198.4	114.	-1.
12 56 48	105.	0.	-.40	104.	29.17	.01	.2	93.	151.76	150.8	203.1	114.	-1.
12 56 53	104.	0.	-.20	97.	29.50	.04	.2	95.	151.76	149.2	204.7	114.	-2.
12 56 58	104.	0.	-.25	95.	29.38	.04	.2	99.	153.38	149.5	205.4	113.	-2.
12 57 3	104.	1.	-.27	98.	29.08	.01	.2	98.	152.41	150.5	206.8	114.	-1.
12 57 8	104.	0.	-.29	89.	29.11	.01	.3	98.	152.41	150.8	207.9	114.	-1.
13 22 20	106.	1.	-.08	106.	29.32	-.01	.1	82.	154.35	153.1	207.9	121.	-2.
13 22 25	104.	0.	-.08	98.	29.35	.01	.2	88.	153.38	153.4	203.5	113.	-1.
13 22 30	106.	8.	-.33	85.	29.02	.01	.1	98.	155.65	153.1	207.3	105.	-0.
13 22 35	106.	0.	-.22	84.	29.17	.02	.1	98.	154.68	152.7	207.3	105.	-1.
13 22 40	103.	-0.	-.10	91.	29.50	.04	.3	101.	151.12	153.7	208.3	118.	-1.
13 22 45	113.	14.	-.13	87.	29.56	.04	.3	100.	155.88	153.7	202.2	113.	-1.
13 22 50	121.	16.	0.00	107.	29.14	-.02	.3	91.	153.71	152.4	208.3	122.	-2.
13 23 0	122.	16.	0.00	105.	29.17	.03	.2	97.	155.65	153.4	200.9	115.	-1.
13 23 5	168.	17.	.04	121.	29.14	.09	.2	94.	156.29	161.5	204.7	105.	-1.
13 23 5	181.	17.	.01	124.	29.17	.09	.3	95.	157.59	167.6	207.8	105.	-1.
13 23 18	218.	17.	0.00	108.	29.50	.09	.2	114.	162.12	188.8	208.6	106.	-1.
13 24 43	237.	24.	.11	139.	29.29	.18	.4	118.	171.82	212.8	207.6	108.	-1.
13 24 48	274.	37.	.88	187.	29.50	.12	.2	116.	180.24	239.8	202.2	112.	-1.
13 24 61	280.	38.	.91	202.	29.50	.11	.2	114.	184.12	244.9	207.8	111.	-1.
13 24 58	311.	40.	1.17	239.	29.14	.05	.4	98.	197.71	260.8	201.5	110.	-2.
13 25 3	318.	40.	1.32	244.	29.44	.09	.4	107.	197.06	266.4	204.7	111.	-1.
13 65 8	340.	41.	1.25	259.	29.62	.15	.2	119.	199.64	283.9	206.6	112.	-1.
13 25 13	342.	42.	1.15	276.	29.38	.13	.3	109.	201.23	288.2	204.7	111.	-1.
13 25 18	347.	42.	1.17	291.	29.56	.11	.2	117.	206.65	300.7	202.2	106.	-1.
13 25 23	349.	43.	.97	302.	29.47	.09	.2	117.	207.92	303.1	204.4	110.	-1.
13 25 28	341.	42.	.61	295.	29.32	.13	.3	110.	209.83	308.7	202.8	113.	-1.
13 25 33	339.	43.	.51	301.	29.35	.11	.3	109.	210.79	310.8	203.5	112.	-1.
13 25 43	326.	42.	.59	269.	29.56	.16	.2	116.	211.11	313.1	202.8	111.	-0.
13 65 48	323.	42.	.49	283.	29.56	.14	.2	111.	212.38	312.8	206.8	110.	-1.
13 25 53	317.	42.	.49	275.	29.56	.14	.3	116.	213.82	314.3	206.0	105.	-1.
13 25 58	318.	42.	.46	279.	29.53	.12	.3	117.	213.66	314.6	207.8	107.	-1.
13 25 58	314.	42.	.37	301.	29.14	.10	-.0	105.	216.84	315.8	199.6	112.	-1.
13 26 3	315.	42.	.37	309.	29.38	.07	.1	102.	216.52	315.8	204.1	110.	-1.
13 26 8	317.	43.	.20	307.	29.32	.09	.5	98.	218.12	316.2	209.2	109.	-2.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSDR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	SC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF CDARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
13 26 13	317.	42.	.29	299.	29.08	.10	.5	104.	218.12	315.3	206.6	108.	-1.
13 26 18	323.	41.	.84	301.	29.56	.11	.3	112.	216.84	319.3	204.7	108.	-1.
13 26 23	322.	41.	.72	301.	29.44	.14	.2	120.	217.88	321.8	205.4	108.	-1.
13 26 29	316.	41.	.96	332.	29.88	.11	.4	102.	221.30	321.8	200.9	114.	-1.
13 26 34	318.	41.	.80	319.	29.20	.12	.4	112.	221.94	322.7	204.1	109.	-1.
13 26 39	321.	42.	.47	322.	29.50	.12	.3	121.	221.30	324.3	203.5	102.	-2.
13 26 44	324.	35.	.70	317.	29.32	.11	.1	113.	222.26	324.6	203.1	108.	-1.
13 26 49	382.	36.	1.04	312.	29.26	.13	.1	119.	222.58	324.3	200.9	114.	-1.
13 26 54	366.	37.	.94	315.	29.20	.12	.2	114.	223.22	324.6	201.9	109.	-1.
13 26 59	357.	39.	.76	310.	29.62	.09	.1	111.	220.83	324.3	204.1	111.	-2.
13 27 4	354.	38.	.75	316.	29.44	.10	.3	106.	220.35	323.7	206.3	107.	-2.
13 27 9	348.	39.	.68	295.	29.14	.09	.2	99.	220.83	320.5	202.2	113.	-1.
13 27 14	352.	44.	.60	289.	29.23	.10	.2	108.	219.39	320.2	205.4	115.	-1.
13 27 19	352.	34.	.35	278.	29.38	.09	.1	119.	218.75	318.7	207.3	104.	-2.
13 27 24	351.	33.	.31	297.	29.26	.11	.3	106.	218.44	319.3	204.1	110.	-2.
13 27 29	347.	35.	.31	289.	29.44	.09	.4	93.	216.84	322.4	203.5	105.	-2.
13 27 34	347.	34.	.30	301.	29.62	.10	.4	98.	218.12	322.1	205.1	108.	-1.
13 27 39	350.	34.	.31	285.	28.12	.16	.2	119.	220.67	323.7	206.6	106.	-1.
13 27 44	350.	34.	.37	287.	28.48	.15	.2	113.	220.99	326.1	207.6	103.	-1.
13 27 49	347.	34.	.39	296.	29.26	.14	.3	123.	218.75	323.7	202.8	99.	-2.
13 27 54	343.	34.	.35	298.	29.32	.11	.3	111.	219.07	323.7	202.5	105.	-1.
13 27 59	349.	34.	.29	309.	29.26	.13	.5	106.	221.94	323.0	208.6	110.	-1.
13 28 4	344.	33.	.26	310.	29.23	.13	.5	105.	221.62	323.0	208.9	108.	-1.
13 28 9	346.	35.	.22	303.	29.56	.09	.5	106.	222.58	323.0	200.3	112.	-2.
13 28 19	346.	35.	.25	297.	29.47	.11	.4	113.	223.22	323.3	200.0	108.	-2.
13 28 24	347.	35.	.31	300.	29.50	.14	.2	123.	222.58	324.3	204.7	106.	-2.
13 28 29	347.	35.	.33	303.	29.53	.12	.2	120.	221.94	324.0	204.1	110.	-1.
13 28 34	351.	35.	.41	294.	29.14	.12	.2	116.	223.85	324.3	209.8	101.	-2.
13 28 34	350.	35.	.35	296.	29.26	.11	.2	108.	223.53	324.3	208.9	98.	-2.
13 28 39	347.	34.	.18	307.	29.74	.10	.4	114.	228.31	323.7	203.5	100.	-2.
13 28 44	364.	30.	.42	280.	29.38	.12	.4	110.	226.72	323.7	205.1	102.	-1.
13 28 49	403.	27.	.61	278.	29.14	.11	.4	116.	221.94	322.4	205.4	96.	-2.
13 28 54	403.	26.	.57	279.	29.20	.11	.2	119.	221.30	322.4	206.0	99.	-2.
13 28 59	349.	24.	.43	289.	29.80	.07	.2	116.	220.67	321.8	202.2	99.	-2.
13 29 5	358.	24.	.51	291.	29.50	.09	.3	111.	219.71	321.8	206.3	105.	-1.
13 29 10	374.	25.	.37	281.	29.38	.07	.4	114.	221.30	321.8	206.6	103.	-2.
13 29 15	375.	35.	.32	294.	29.35	.08	.4	106.	220.03	322.1	202.5	103.	-2.
13 29 20	369.	31.	.16	273.	29.02	.15	.2	117.	220.67	322.4	206.0	101.	-2.
13 29 25	368.	31.	.34	281.	29.23	.13	.3	117.	220.99	321.2	207.9	98.	-2.
13 29 30	363.	31.	.27	273.	29.20	.11	.2	123.	220.67	316.2	191.2	108.	-2.
13 29 35	362.	31.	.24	273.	29.14	.13	.3	121.	219.71	314.6	190.6	104.	-2.
13 29 40	366.	31.	.31	285.	29.56	.13	.4	110.	219.39	311.8	203.5	104.	-1.
13 29 45	364.	31.	.33	284.	29.59	.11	.5	102.	216.52	311.5	204.4	107.	-1.
13 29 50	360.	31.	.12	276.	29.68	.07	.6	106.	219.39	311.2	205.4	103.	-1.
13 29 55	361.	31.	.21	270.	29.29	.09	.5	111.	218.75	311.8	206.0	107.	-2.
13 30 0	360.	30.	.25	279.	29.08	.15	.4	107.	219.39	312.5	200.9	101.	-1.
13 30 5	361.	31.	.23	283.	29.35	.13	.6	106.	219.07	311.8	200.6	103.	-1.
13 30 10	362.	31.	.27	270.	29.14	.15	.3	119.	224.49	312.5	207.3	95.	-1.
13 30 15	359.	31.	.25	277.	29.32	.15	.5	110.	221.94	313.1	206.6	101.	-1.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
13 30 20	361.	31.	.23	294.	29.80	.07	.5	108.	220.03	312.5	206.0	104.	-1.
13 30 25	361.	31.	.26	278.	29.50	.11	.5	109.	219.39	313.1	206.6	102.	-1.
13 30 30	357.	32.	.22	266.	29.14	.13	.2	115.	218.12	313.1	204.7	111.	-2.
13 30 35	358.	31.	.26	272.	29.20	.12	.3	109.	218.75	313.4	204.1	113.	-1.
13 30 40	362.	31.	.23	278.	29.14	.12	.2	73.	219.39	314.3	207.9	105.	-1.
13 30 45	366.	27.	.26	269.	29.08	.10	.1	97.	218.75	314.0	205.4	110.	-1.
13 30 55	391.	25.	.31	256.	29.14	.12	.1	123.	216.84	312.5	199.0	108.	-2.
13 31 8	398.	24.	.39	261.	29.05	.10	.2	119.	216.84	311.8	202.5	112.	-2.
13 31 5	404.	21.	.43	283.	29.32	.09	.4	105.	216.21	311.2	209.8	99.	-1.
13 31 10	383.	21.	.36	280.	29.35	.10	.4	108.	216.21	310.3	206.6	99.	-1.
13 31 15	388.	21.	.61	253.	29.92	.12	.2	116.	218.75	311.8	207.9	110.	-2.
13 31 15	385.	32.	.62	269.	29.17	.10	.3	113.	217.16	314.3	209.5	112.	-2.
13 31 20	372.	42.	3.95	299.	28.12	.15	.5	114.	228.67	316.2	209.8	95.	-1.
13 31 25	368.	39.	4.28	311.	28.60	.11	.5	109.	221.94	312.8	205.4	105.	-1.
13 31 30	371.	43.	1.21	316.	29.14	.16	.4	117.	226.48	320.5	202.8	107.	-1.
13 31 35	369.	35.	.73	309.	29.11	.13	.3	119.	226.48	321.5	208.9	105.	-2.
13 31 48	369.	19.	-.18	310.	29.56	.12	.5	97.	225.13	319.9	208.9	97.	-1.
13 32 17	359.	19.	-.04	265.	29.74	.13	.5	103.	214.61	295.1	208.6	108.	-1.
13 32 22	339.	19.	.04	289.	29.14	.11	.4	108.	200.91	266.5	199.8	95.	-0.
13 32 35	342.	19.	.03	286.	29.32	.13	.4	112.	201.23	263.6	200.9	105.	-1.
13 32 32	343.	19.	.16	282.	29.58	.08	.4	114.	199.08	255.7	206.6	114.	-0.
13 32 37	341.	19.	.10	283.	29.53	.09	.5	118.	199.64	255.1	205.7	108.	-1.
13 32 42	337.	19.	-.18	284.	29.36	.10	.4	111.	199.00	257.6	187.4	106.	-1.
13 32 47	336.	19.	-.04	281.	29.47	.09	.4	107.	197.38	254.8	195.4	111.	-1.
13 32 57	334.	19.	-.14	181.	29.14	.15	.2	115.	199.80	258.8	207.9	97.	-2.
13 33 2	334.	28.	-.04	184.	29.35	.13	.3	112.	197.38	249.0	207.0	106.	-1.
13 33 2	334.	19.	-.18	208.	28.84	.15	.3	125.	196.41	248.1	207.9	95.	-1.
13 33 7	332.	19.	-.09	193.	29.05	.11	.3	123.	195.76	247.4	199.3	105.	-1.
13 33 12	330.	19.	0.00	187.	29.02	.07	.2	120.	196.41	244.2	205.4	108.	-2.
13 33 17	329.	20.	-.02	183.	29.05	.09	.2	126.	195.44	243.9	205.4	99.	-2.
13 33 27	325.	20.	-.18	188.	29.14	.08	.2	127.	194.47	243.0	211.1	118.	-1.
13 33 33	325.	20.	-.03	180.	29.11	.12	.3	120.	195.12	242.7	207.0	105.	-1.
13 33 38	322.	20.	-.10	173.	29.20	.11	.1	117.	193.82	242.3	197.1	111.	-1.
13 33 51	323.	20.	-.07	172.	29.17	.13	.2	127.	192.21	242.8	208.9	107.	-2.
13 73 48	319.	19.	-.02	189.	29.08	.11	.6	102.	193.82	241.1	201.5	97.	-1.
13 33 53	318.	19.	-.05	178.	29.20	.11	.4	112.	193.18	240.7	203.5	102.	-1.
13 33 53	316.	20.	-.12	177.	29.14	.11	.1	124.	192.53	239.1	198.4	103.	-1.
13 33 58	316.	19.	-.06	167.	29.20	.08	.2	119.	191.88	239.8	201.2	109.	-1.
13 34 3	312.	20.	.25	158.	29.56	.11	.4	110.	193.18	237.2	207.9	106.	-1.
13 34 8	313.	19.	.22	176.	29.53	.11	.3	113.	192.21	238.5	204.4	109.	-1.
13 34 13	314.	19.	-.34	180.	28.96	.08	.2	121.	190.59	239.1	206.0	114.	-1.
13 34 18	313.	19.	.01	183.	29.23	.08	.4	113.	190.59	240.1	207.9	113.	-1.
13 34 23	311.	20.	-.08	176.	29.14	.09	.4	123.	192.53	238.5	208.9	95.	-1.
13 34 29	310.	20.	.01	181.	29.38	.11	.4	113.	195.12	238.8	203.1	101.	-1.
13 34 42	310.	19.	0.00	213.	29.02	.09	.3	120.	191.88	234.8	204.7	97.	-1.
13 34 39	309.	19.	-.01	197.	28.96	.06	.3	125.	191.56	235.6	202.2	102.	-1.
13 34 44	309.	20.	.06	178.	29.50	.14	.3	115.	190.59	238.5	206.0	105.	-2.
13 34 49	307.	20.	.03	186.	29.53	.15	.4	116.	191.24	237.9	205.1	102.	-2.
13 34 54	305.	20.	-.06	167.	29.20	.10	.2	117.	191.24	237.2	206.6	108.	-1.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET R/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
06													
13 34 59	306.	19.	-.09	169.	29.05	.10	.2	125.	192.21	237.2	204.7	101.	-1.
13 35 4	306.	19.	-.04	187.	29.20	.09	.2	116.	191.24	238.5	202.8	97.	-1.
13 35 9	305.	19.	-.10	181.	29.17	.11	.1	123.	198.91	238.8	201.5	108.	-1.
13 35 14	302.	20.	.08	196.	29.74	.10	.4	105.	189.29	237.2	200.9	111.	-2.
13 35 19	302.	20.	-.01	180.	29.56	.12	.3	114.	189.29	237.2	191.9	113.	-2.
13 35 24	302.	19.	-.23	171.	29.08	.12	.3	120.	191.24	237.9	208.3	95.	-1.
13 35 29	303.	19.	-.11	177.	29.32	.13	.3	116.	189.62	237.9	203.1	94.	-1.
13 35 34	300.	19.	.14	183.	29.98	.11	.3	103.	189.94	237.2	207.3	114.	-1.
13 35 39	300.	19.	.07	189.	29.56	.09	.3	110.	190.59	236.9	207.9	107.	-1.
13 55 44	297.	20.	-.18	167.	29.26	.12	.2	129.	190.59	237.2	204.1	112.	-2.
13 51 26	280.	20.	-.18	174.	29.05	.13	.3	117.	188.32	234.7	206.6	106.	-1.
13 51 26	260.	19.	0.00	174.	29.14	.09	.4	116.	184.12	236.6	205.4	112.	-1.
13 51 31	258.	19.	-.09	171.	29.14	.11	.2	105.	184.76	234.7	199.3	108.	-1.
13 51 36	261.	19.	0.00	160.	29.56	.11	.3	121.	186.86	232.8	206.0	95.	-0.
13 51 41	260.	19.	.02	161.	29.47	.09	.3	110.	186.86	231.8	207.6	96.	-1.
13 51 46	262.	19.	-.08	173.	29.26	.15	.1	116.	184.76	233.4	199.6	100.	-1.
13 51 51	260.	19.	-.03	177.	29.20	.12	.3	116.	185.74	231.2	202.8	102.	-1.
13 51 57	249.	19.	0.00	169.	29.02	.05	.3	117.	185.41	231.5	198.4	100.	-1.
13 52 2	253.	19.	0.00	179.	29.02	.08	.4	116.	185.41	231.5	195.1	104.	-1.
13 52 15	257.	19.	-.04	173.	29.50	.12	.2	108.	177.65	237.2	198.4	104.	-1.
13 52 12	259.	19.	-.04	177.	29.26	.11	.3	106.	179.26	234.8	202.5	100.	-1.
13 52 17	260.	19.	0.00	173.	28.98	.13	.2	106.	187.35	232.1	198.4	87.	-2.
13 52 22	259.	19.	-.04	174.	28.96	.13	.2	105.	185.09	231.8	200.3	92.	-2.
13 52 35	258.	19.	0.00	181.	29.14	.12	.5	107.	186.86	232.1	199.8	106.	-2.
13 52 32	260.	19.	0.00	180.	29.08	.11	.2	105.	186.86	232.1	201.2	102.	-2.
13 52 37	258.	19.	0.00	164.	29.38	.13	.4	105.	185.41	231.5	204.7	101.	-2.
13 52 42	260.	19.	.02	173.	29.35	.13	.6	113.	186.38	231.5	204.1	96.	-2.
13 52 47	261.	19.	0.00	158.	29.56	.11	.2	115.	186.86	232.1	202.8	97.	-1.
13 52 52	260.	19.	.05	160.	29.59	.11	.3	117.	186.71	231.8	201.5	96.	-1.
13 52 57	263.	19.	-.04	191.	29.02	.12	.5	114.	187.35	210.8	205.4	93.	-2.
13 53 2	261.	19.	-.03	188.	29.08	.12	.5	114.	187.83	224.5	204.7	94.	-2.
13 53 7	266.	19.	-.08	169.	29.38	.14	.1	119.	182.82	233.4	206.0	103.	-1.
13 57 20	260.	19.	-.04	167.	29.50	.13	.1	117.	189.94	231.2	205.7	102.	-1.
13 57 30	252.	18.	.08	165.	29.56	.12	.4	129.	199.80	232.1	206.6	99.	-1.
13 57 35	252.	26.	.29	169.	29.65	.12	.3	123.	199.64	231.8	205.7	105.	-1.
13 57 40	274.	39.	.78	212.	29.14	.13	.3	107.	207.28	244.9	206.6	106.	-1.
13 57 40	287.	40.	1.09	217.	29.02	.12	.3	114.	212.06	247.4	206.6	105.	-2.
13 57 45	322.	43.	2.17	260.	29.20	.11	.4	114.	226.40	264.6	193.8	96.	-2.
13 57 50	329.	43.	1.80	288.	29.08	.11	.4	112.	231.58	274.9	199.6	98.	-2.
13 58 0	340.	43.	1.29	310.	29.50	.10	.5	120.	251.25	305.0	204.1	96.	-1.
13 58 0	337.	44.	1.03	314.	29.56	.11	.3	124.	256.99	313.4	202.5	103.	-1.
13 58 5	331.	44.	.51	329.	29.50	.14	.0	117.	280.78	339.3	199.0	105.	-1.
13 58 10	333.	43.	.47	352.	29.23	.15	.2	113.	282.95	346.5	202.5	108.	-1.
13 58 15	332.	40.	.65	356.	29.32	.09	.4	117.	292.58	370.0	202.8	108.	-1.
13 58 20	335.	40.	.47	368.	29.35	.12	.2	117.	298.80	374.7	204.7	104.	-1.
13 58 25	329.	39.	.55	403.	29.74	.17	.2	111.	309.36	400.8	198.4	101.	-1.
13 58 31	334.	38.	.42	406.	29.77	.15	.1	115.	317.13	406.7	199.6	106.	-1.
13 58 36	340.	36.	.74	440.	29.26	.10	.6	124.	334.27	422.1	199.6	106.	-1.
13 58 41	340.	36.	.67	445.	29.38	.13	.4	125.	338.04	428.7	202.2	103.	-1.

TIME H/M/S	EC 49 TEMP AIR DWNSTR OF HOT AR SENSOR	EC 50 PRESS STATIC DWNSTR HOT AIR SENSOR	EC 36 PRESS STATIC FWD EQUIP BAYATV ENTUR	EC 38 TEMP AIR DWNSTR OF PRI HX	EC 54 PRESS REF COARSE	EC 63 PRESS STATIC SVC AR HX RAM INLET HEADER	EC 64 PRESS STATIC SERVCE AIR HX	EC 40 TEMP AIR RAM INLET F/H PRI HX	EC 99 TEMP AMB FIN TIP COMPT	EC 100 TEMP AMB FIN TIP COMPT	EC 101 TEMP AMB FIN TIP COMPT	EC 52 TEMP SOUTLE TRAIN REMOV LNOZZLE	EC 53 PRESS RAIN REMOVL NOZZLE OUTLET L/H
13 58 46	349.	35.	.49	474.	29.32	.19	.2	117.	348.71	437.2	199.8	90.	-2.
13 58 51	345.	36.	.50	468.	29.44	.16	.2	123.	350.59	440.3	203.8	99.	-2.
13 58 56	325.	16.	-.31	463.	28.90	.21	.5	103.	352.47	444.1	206.8	106.	-1.
13 59 1	338.	17.	-.22	437.	28.51	.19	.4	105.	345.57	440.3	206.6	105.	-2.
13 59 6	329.	17.	-.08	360.	29.38	.15	.1	119.	323.65	424.6	203.5	110.	-1.
13 59 11	333.	17.	-.05	356.	29.17	.15	.3	112.	318.86	417.4	202.5	103.	-2.
13 59 16	334.	20.	-.08	319.	29.14	.15	.4	103.	301.28	394.5	207.3	107.	-1.
13 59 21	335.	20.	-.13	306.	29.17	.15	.2	108.	296.80	386.0	205.1	109.	-1.
14 6 3	338.	20.	-.04	279.	29.82	.12	.4	111.	284.50	361.3	207.3	106.	-1.
14 6 8	305.	22.	-.02	270.	29.29	.06	.2	110.	235.28	283.3	206.8	107.	-1.
14 6 13	274.	24.	0.00	264.	29.44	.05	0.0	133.	186.71	205.4	204.1	104.	-1.
14 6 18	274.	24.	-.24	285.	29.62	.05	0.0	129.	182.18	204.4	205.1	103.	-1.
14 6 23	270.	23.	.08	295.	29.38	.01	.1	137.	185.41	200.3	210.5	106.	-3.
14 6 23	269.	24.	.08	301.	29.32	.00	.2	137.	184.12	198.7	205.1	105.	-2.
14 6 33	276.	24.	.02	310.	29.38	.04	.1	138.	184.76	195.8	204.1	94.	-1.
14 6 33	275.	24.	-.03	316.	29.44	.05	0.0	135.	182.50	195.4	203.8	97.	-1.
14 46 38	270.	24.	.08	312.	29.20	0.00	.3	138.	184.12	194.5	204.1	92.	-1.
45 85 85	279.	24.	.10	322.	29.17	0.00	.4	134.	184.12	194.8	203.8	92.	-2.
14 13 14	266.	18.	0.00	154.	29.38	.14	.2	111.	182.18	223.2	207.9	108.	-2.
14 13 19	268.	18.	-.02	156.	29.50	.12	.2	114.	182.82	221.8	204.1	100.	-2.
14 53 24	273.	18.	.08	173.	29.14	.11	.5	108.	183.47	227.7	206.7	88.	-2.
14 13 29	270.	18.	-.04	160.	29.11	.10	.3	117.	184.76	229.6	202.8	94.	-1.
14 13 29	270.	18.	0.00	180.	29.14	.06	.4	127.	185.41	234.7	199.6	104.	-1.
14 13 34	272.	18.	-.01	172.	29.08	.11	.3	128.	186.38	236.3	203.5	97.	-1.
0 0 0	276.	18.	.08	186.	29.08	.13	.4	116.	188.65	240.4	210.5	91.	-2.
45 85 85	277.	18.	0.08	187.	29.41	.13	.4	115.	188.97	242.8	209.5	89.	-2.
45 85 85	275.	18.	.04	199.	29.08	.09	.5	120.	189.94	245.5	199.8	99.	-1.
14 16 8	274.	18.	.07	202.	29.02	.10	.5	115.	189.62	246.5	202.2	100.	-1.
14 16 5	266.	6.	-.14	181.	29.56	.11	.1	125.	189.94	249.3	214.9	101.	-1.
14 16 10	261.	3.	-.20	185.	29.56	.07	.2	118.	190.91	246.5	214.6	98.	-1.
14 16 15	256.	1.	-.20	167.	29.32	.04	.1	121.	189.94	232.1	202.8	94.	-1.
14 16 21	254.	1.	-.22	175.	29.32	.02	.2	114.	189.94	229.0	214.9	97.	-1.
14 16 26	252.	0.	-.25	182.	29.62	.03	.1	110.	188.65	228.3	193.2	108.	-3.
14 16 31	250.	0.	-.24	183.	29.50	.03	.0	113.	188.65	224.2	205.8	98.	-2.
14 16 36	250.	1.	-.29	186.	29.50	.01	.3	111.	194.47	218.1	204.1	97.	-2.
45 85 85	249.	0.	-.23	182.	29.53	.01	.2	111.	191.88	217.2	202.5	98.	-2.
45 85 85	244.	-0.	-.18	195.	29.32	0.00	.3	119.	186.71	218.5	204.1	90.	-1.
14 18 21	236.	0.	-.24	185.	29.44	.02	.2	127.	182.18	201.0	204.7	98.	-1.
14 18 27	226.	0.	-.20	176.	29.14	0.00	.3	134.	185.41	191.2	207.3	99.	-1.
14 18 32	226.	0.	-.21	173.	29.32	.02	.2	133.	185.41	190.6	204.7	99.	-1.
14 18 37	225.	-0.	-.14	181.	29.26	.01	.1	134.	184.76	188.6	203.5	99.	-1.
14 18 42	225.	0.	-.24	163.	29.17	.00	.1	142.	184.76	187.4	202.2	99.	-1.
14 18 55	221.	1.	-.65	168.	28.12	.01	0.0	139.	184.76	183.5	202.8	98.	-1.
14 18 52	223.	1.	-.65	163.	28.57	.01	.1	139.	184.76	186.7	200.9	98.	-1.
14 18 57	224.	0.	-.25	163.	28.12	.02	.2	149.	186.06	189.3	211.1	99.	-1.
14 19 2	224.	0.	-.22	168.	28.72	.05	.2	145.	185.41	189.3	208.6	99.	-1.
14 19 7	223.	0.	-.23	173.	29.50	.01	.2	127.	183.47	189.9	205.4	97.	-1.
0 1 12	223.	-0.	-.18	175.	29.41	.02	.4	124.	184.12	189.0	206.6	98.	-1.

C COMMUTATOR

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
12 55 53	40.00	.23	.12	-.00	30.0	.06	104.	LOW	106.	848.	111.	95.	91.
12 55 58	40.00	.18	.29	-.00	30.0	.09	104.	LOW	105.	846.	114.	94.	92.
12 56 3	40.00	.23	.31	-.00	30.0	.21	95.	LOW	105.	848.	112.	95.	92.
12 56 8	40.00	.25	.29	-.01	30.0	.21	97.	LOW	106.	848.	112.	95.	91.
12 56 13	40.00	.31	.51	.01	30.0	.09	103.	LOW	105.	848.	113.	96.	91.
12 56 18	40.00	.27	.41	-.00	30.0	.10	104.	LOW	105.	821.	113.	95.	91.
12 56 28	40.00	.27	.23	.01	30.0	.12	103.	LOW	105.	040.	113.	95.	91.
12 56 33	40.00	.33	.10	-.03	30.0	.06	104.	LOW	105.	848.	118.	95.	90.
12 56 38	40.00	-.16	.39	.00	30.0	.35	101.	LOW	100.	848.	114.	95.	92.
12 56 43	40.00	-.10	.22	-.00	30.0	.38	102.	LOW	102.	678.	113.	95.	92.
12 56 51	40.00	.08	.31	-.00	30.0	.29	99.	LOW	105.	752.	114.	95.	92.
12 56 48	40.00	.22	.37	-.00	30.0	.23	102.	LOW	105.	888.	113.	96.	92.
12 56 53	40.00	.39	0.00	0.00	30.0	0.00	103.	LOW	106.	848.	108.	95.	93.
12 56 58	40.00	.20	.14	-.00	30.0	.06	103.	LOW	105.	848.	113.	96.	92.
12 57 3	40.00	.08	.04	.03	30.0	.23	105.	LOW	109.	048.	113.	96.	92.
12 57 8	40.00	.25	.16	.03	30.0	.21	101.	LOW	108.	848.	113.	96.	92.
13 22 20	-9.31	.66	.08	.02	30.0	.12	108.	LOW	105.	848.	106.	99.	93.
13 22 25	-11.10	.55	.22	.01	30.0	.16	106.	LOW	106.	848.	108.	97.	93.
13 22 30	-8.25	.23	.04	-.01	30.0	-.06	106.	LOW	110.	848.	110.	100.	93.
13 22 35	-16.64	.25	.23	-.01	30.0	.06	106.	LOW	111.	848.	111.	100.	93.
13 22 40	-14.23	.43	.31	.00	30.0	.15	107.	[illegible]	105.	204.	108.	95.	94.
13 22 45	-11.85	.37	.29	-.00	30.0	.09	106.	[illegible]	106.	526.	111.	97.	93.
13 22 50	-11.65	.59	.08	.37	30.0	.35	105.	[illegible]	110.	830.	116.	98.	95.
13 23 0	-20.02	.90	.14	.54	30.0	.44	105.	[illegible]	110.	839.	114.	96.	96.
13 23 5	-9.97	.66	0.00	.89	30.0	.29	95.	LOW	109.	848.	113.	97.	98.
13 23 5	-12.38	.78	.08	.87	30.0	.43	97.	LOW	110.	840.	113.	96.	99.
13 23 10	-8.80	.31	.35	.82	30.0	.41	95.	LOW	106.	848.	108.	101.	102.
13 24 43	-12.53	.41	.25	1.13	30.0	.31	100.	LOW	107.	848.	107.	98.	115.
13 24 48	-8.99	.27	.28	1.81	30.0	.44	104.	LOW	107.	848.	107.	99.	130.
13 24 61	-13.41	.39	.16	1.90	30.0	.56	105.	LOW	105.	840.	108.	98.	132.
13 24 58	-15.95	.43	.27	2.06	30.0	.29	103.	LOW	106.	848.	111.	98.	129.
13 25 3	-12.24	.37	.35	2.04	30.0	.38	106.	LOW	105.	840.	109.	100.	130.
13 65 8	-30.26	.12	.28	2.02	30.0	.59	110.	LOW	107.	848.	110.	106.	130.
13 25 13	-19.45	.23	.25	2.05	30.0	.43	108.	LOW	106.	848.	109.	101.	133.
13 25 18	-9.00	.51	.12	2.17	30.0	.59	110.	LOW	100.	848.	107.	101.	134.
13 25 23	-8.66	.39	.23	2.24	30.0	.57	108.	LOW	104.	848.	110.	103.	131.
13 25 28	-8.95	.35	.20	2.40	30.0	.32	106.	LOW	108.	848.	112.	102.	128.
13 25 33	-9.70	.43	.10	2.46	30.0	.40	106.	LOW	108.	848.	112.	103.	128.
13 25 43	-11.69	.16	.20	2.44	30.0	.35	110.	LOW	105.	048.	108.	100.	140.
13 65 48	-17.05	.39	.10	2.45	30.0	.51	109.	LOW	103.	848.	107.	101.	145.
13 25 53	-24.13	.55	-.04	2.44	30.0	.44	100.	LOW	102.	840.	106.	99.	145.
13 25 50	-16.77	.57	.06	2.46	30.0	.44	108.	LOW	103.	840.	107.	98.	146.
13 25 58	-9.74	.51	-.04	2.47	30.0	.32	108.	LOW	102.	815.	108.	99.	145.
13 26 3	-10.17	.49	-.02	2.49	30.0	.44	100.	LOW	102.	032.	107.	100.	147.
13 26 8	-10.75	.55	.08	2.53	30.0	.50	106.	LOW	104.	848.	108.	97.	149.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
13 26 13	-9.58	.41	.33	2.45	30.0	.41	106.	LOW	105.	848.	112.	99.	145.
13 26 18	-8.48	.63	0.00	2.21	30.0	.65	106.	LOW	100.	848.	112.	106.	137.
13 26 23	-17.52	.55	.06	2.27	30.0	.63	106.	LOW	107.	848.	111.	106.	142.
13 26 29	-8.48	.63	.20	2.34	30.0	.38	108.	LOW	101.	848.	106.	101.	158.
13 26 34	-9.83	.49	.20	2.31	30.0	.32	106.	LOW	104.	848.	109.	102.	148.
13 26 39	-14.00	.66	.04	2.35	30.0	.56	106.	LOW	108.	848.	110.	105.	146.
13 26 44	-12.34	.37	.16	2.30	30.0	.44	108.	LOW	105.	848.	108.	105.	153.
13 26 49	-9.11	0.80	.12	2.36	30.0	.44	110.	LOW	103.	848.	107.	103.	160.
13 26 54	-10.46	.88	.10	2.35	30.0	.38	109.	LOW	104.	848.	109.	102.	153.
13 26 59	-9.27	.39	-.08	2.40	30.0	.50	108.	LOW	100.	848.	110.	104.	160.
13 27 4	-9.38	.41	-.04	2.43	30.0	.44	107.	LOW	100.	*000000.	109.	103.	160.
13 27 9	-20.57	.12	-.04	2.46	30.0	.29	110.	LOW	102.	848.	100.	105.	163.
13 27 14	-14.39	.39	-.02	2.53	30.0	.43	110.	LOW	102.	848.	104.	103.	164.
13 27 19	-17.32	.51	.08	1.52	30.0	.62	106.	LOW	106.	848.	110.	101.	155.
13 27 24	-15.72	.39	.23	1.52	30.0	.48	109.	LOW	105.	848.	109.	101.	156.
13 27 29	-14.04	.55	.12	1.56	30.0	.53	112.	LOW	102.	848.	108.	101.	165.
13 27 34	-14.19	.61	.04	1.55	30.0	.43	111.	LOW	101.	848.	100.	102.	160.
13 27 39	-14.43	.78	.16	1.57	30.0	.65	112.	LOW	104.	840.	95.	106.	165.
13 27 44	-16.05	.53	.29	1.55	30.0	.49	111.	LOW	104.	848.	103.	102.	160.
13 27 49	-13.76	.63	-.47	1.54	30.0	.65	108.	LOW	105.	848.	110.	103.	163.
13 27 54	-15.46	.63	-.23	1.55	30.0	.59	108.	LOW	104.	778.	109.	100.	161.
13 27 59	-15.60	.51	.23	1.54	30.0	.32	111.	LOW	103.	848.	108.	106.	166.
13 28 4	-15.09	.57	.23	1.53	30.0	.38	112.	LOW	103.	*000000.	108.	103.	161.
13 28 9	-14.27	.63	.20	1.60	30.0	.38	113.	LOW	101.	779.	110.	102.	167.
13 28 19	-15.13	.55	.14	1.64	30.0	.57	112.	LOW	103.	813.	109.	102.	165.
13 28 24	-11.18	.66	.12	1.57	30.0	.65	114.	LOW	100.	848.	108.	105.	172.
13 28 29	-9.81	.68	-.02	1.58	30.0	.59	112.	LOW	100.	848.	109.	104.	172.
13 28 34	-9.27	0.00	0.00	1.62	30.0	.29	112.	LOW	96.	LOW	108.	106.	171.
13 28 34	-9.68	.35	-.02	1.68	30.0	.38	111.	LOW	99.	*000000.	109.	106.	170.
13 28 39	-20.15	.70	.12	1.56	30.0	.56	110.	LOW	99.	848.	110.	105.	165.
13 28 44	-18.59	.37	.16	1.48	30.0	.37	111.	LOW	101.	771.	108.	104.	164.
13 28 49	-9.93	-.04	.16	1.37	30.0	.21	113.	LOW	103.	814.	105.	104.	167.
13 28 54	-14.84	.16	.12	1.38	30.0	.45	110.	LOW	103.	831.	107.	104.	172.
13 28 59	-12.51	.47	.00	1.40	30.0	.50	115.	LOW	102.	848.	108.	99.	180.
13 29 5	-12.16	.29	.02	1.39	30.0	.34	115.	LOW	103.	848.	100.	108.	176.
13 29 10	-8.80	.59	-.04	1.43	30.0	.44	114.	LOW	103.	770.	108.	105.	171.
13 29 15	-12.36	.49	.12	1.74	30.0	.40	114.	LOW	103.	809.	109.	105.	174.
13 29 20	-20.82	.08	.12	1.39	30.0	.47	113.	LOW	106.	848.	108.	107.	171.
13 29 25	-21.15	.39	.12	1.40	30.0	.59	113.	LOW	105.	848.	109.	107.	172.
13 29 30	-8.21	.55	.08	1.38	30.0	.47	113.	LOW	102.	848.	107.	103.	171.
13 29 35	-16.38	.29	.22	1.37	30.0	.48	112.	LOW	105.	840.	108.	103.	170.
13 29 40	-14.27	.31	.12	1.38	30.0	.35	105.	LOW	103.	848.	109.	106.	170.
13 29 45	-12.18	.53	.14	1.39	30.0	.37	100.	LOW	102.	843.	109.	105.	179.
13 29 50	-10.13	.55	.12	1.42	30.0	.47	111.	LOW	97.	406.	108.	104.	173.
13 29 55	-17.91	.41	.20	1.40	30.0	.40	110.	LOW	100.	667.	108.	104.	171.
13 30 0	-12.51	.27	.35	1.38	30.0	.32	110.	LOW	105.	848.	110.	103.	173.
13 30 5	-13.63	.41	.31	1.39	30.0	.35	110.	LOW	104.	848.	108.	104.	182.
13 30 10	-12.28	.04	.27	1.36	30.0	.47	109.	LOW	103.	834.	108.	108.	182.
13 30 15	-13.27	.23	.27	1.37	30.0	.34	109.	LOW	103.	841.	108.	102.	177.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
13 30 20	-15.72	.12	.16	1.39	30.0	.29	100.	LOW	102.	429.	107.	106.	177.
13 30 25	-13.98	.20	.20	1.39	30.0	.34	100.	LOW	101.	639.	100.	105.	101.
13 30 30	-9.35	.31	0.00	1.39	30.0	.41	110.	LOW	101.	686.	107.	101.	175.
13 30 35	-16.60	.25	.10	1.42	30.0	.34	110.	LOW	102.	667.	107.	101.	170.
13 30 40	-10.91	.23	.31	1.45	30.0	-.06	110.	LOW	100.	840.	109.	103.	179.
13 30 45	-13.00	.10	.12	1.34	30.0	.25	110.	LOW	101.	848.	107.	102.	103.
13 30 55	-25.69	.31	-.04	1.25	30.0	-.03	110.	LOW	103.	040.	107.	102.	102.
13 31 0	-29.05	.10	0.00	1.24	30.0	.03	111.	LOW	101.	848.	107.	101.	107.
13 31 5	-8.21	.12	.12	1.25	30.0	.26	107.	LOW	102.	840.	110.	103.	102.
13 31 10	-9.54	.31	.04	1.26	30.0	.29	100.	LOW	90.	848.	100.	105.	103.
13 31 15	-20.41	.20	.20	1.22	30.0	.26	110.	LOW	101.	848.	100.	100.	103.
13 31 15	-14.41	.45	.31	1.63	30.0	.43	109.	LOW	102.	848.	100.	102.	104.
13 31 20	-10.95	.27	.43	2.15	30.0	.06	110.	LOW	101.	705.	109.	105.	101.
13 31 25	-9.50	.37	.20	2.17	30.0	.21	110.	LOW	101.	645.	109.	103.	102.
13 31 30	-17.09	.35	.00	2.15	30.0	.56	110.	LOW	102.	803.	100.	105.	100.
13 31 35	-12.04	.51	.04	1.67	30.0	.50	109.	LOW	101.	826.	101.	105.	101.
13 31 40	-8.40	.43	.59	.91	30.0	.41	113.	LOW	103.	848.	100.	102.	203.
13 32 17	-10.77	.49	.47	.00	30.0	.41	112.	LOW	103.	848.	100.	103.	201.
13 32 22	-16.05	.59	.27	.06	30.0	.41	115.	LOW	103.	848.	100.	100.	200.
13 32 35	-13.29	.35	.23	.07	30.0	.30	114.	LOW	103.	848.	107.	102.	104.
13 32 32	-17.56	.59	.00	.90	30.0	.44	112.	LOW	95.	740.	106.	95.	101.
13 32 37	-10.04	.35	.25	.00	30.0	.30	112.	LOW	99.	743.	106.	100.	109.
13 32 42	-19.55	.47	.00	.92	30.0	.29	115.	LOW	105.	848.	100.	102.	109.
13 32 47	-14.90	.35	.10	.09	30.0	.13	114.	LOW	104.	744.	107.	102.	100.
13 32 57	-26.31	.23	.23	.07	30.0	.44	111.	LOW	106.	848.	107.	105.	104.
13 33 2	-17.54	.29	.23	.02	30.0	.40	111.	LOW	103.	848.	107.	104.	102.
13 33 2	-21.15	.66	0.00	.09	30.0	.50	111.	LOW	105.	848.	100.	103.	200.
13 33 7	-20.14	.63	.04	.09	30.0	.47	111.	LOW	105.	848.	107.	103.	107.
13 33 12	-15.21	.63	.16	.00	30.0	.70	112.	LOW	105.	848.	107.	103.	200.
13 33 17	-14.04	.66	.00	.00	30.0	.62	112.	LOW	104.	848.	100.	103.	202.
13 33 27	-15.37	1.21	.00	.90	30.0	.47	115.	LOW	103.	848.	100.	90.	106.
13 33 33	-14.51	.70	.10	.07	30.0	.40	116.	LOW	103.	848.	106.	102.	200.
13 33 30	-14.43	.55	.12	.09	30.0	.44	115.	LOW	102.	848.	109.	103.	200.
13 33 51	-11.24	.49	.00	.07	30.0	.47	116.	LOW	102.	840.	109.	103.	202.
13 73 40	-0.25	.39	.39	.07	30.0	.30	116.	LOW	103.	848.	107.	100.	109.
13 33 53	-14.60	.33	.29	.06	30.0	.41	114.	LOW	103.	000.	100.	105.	201.
13 33 53	-24.59	.55	0.00	.09	30.0	.56	113.	LOW	100.	727.	100.	105.	203.
13 33 50	-16.07	.59	.04	.00	30.0	.47	113.	LOW	102.	695.	107.	103.	200.
13 34 3	-9.30	.43	.12	.06	30.0	.59	112.	LOW	106.	040.	100.	102.	106.
13 34 0	-9.50	.43	.12	.06	30.0	.32	113.	LOW	105.	040.	107.	102.	107.
13 34 13	-15.25	.90	.16	.09	30.0	.15	112.	LOW	103.	592.	106.	101.	100.
13 34 10	-13.22	.60	.25	.00	30.0	.15	113.	LOW	101.	720.	106.	102.	100.
13 34 23	-10.21	.39	.00	.00	30.0	.53	112.	LOW	103.	040.	111.	103.	207.
13 34 29	-9.19	.25	.20	.07	30.0	.45	109.	LOW	103.	760.	100.	104.	201.
13 34 42	-10.13	.55	.16	.00	30.0	.32	114.	LOW	95.	040.	106.	90.	207.
13 34 39	-15.74	.59	.06	.00	30.0	.40	114.	LOW	99.	763.	107.	101.	207.
13 34 44	-9.07	.27	.27	.05	30.0	.47	114.	LOW	101.	040.	107.	103.	200.
13 34 49	-0.95	.27	.20	.06	30.0	.32	115.	LOW	103.	040.	107.	104.	207.
13 34 54	-14.06	.70	.16	.07	30.0	.67	115.	LOW	103.	765.	100.	101.	197.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
13 34 59	-15.46	.63	.10	.88	30.0	.59	117.	LOW	103.	807.	188.	103.	202.
13 35 4	-9.42	.59	.31	.89	30.0	.32	111.	LOW	100.	848.	107.	103.	202.
13 35 9	-9.95	.63	.14	.88	30.0	.43	114.	LOW	102.	848.	107.	103.	203.
13 35 14	-13.02	.27	.35	.86	30.0	.29	115.	LOW	105.	553.	107.	99.	201.
13 35 19	-17.99	.43	.23	.87	30.0	.50	116.	LOW	104.	701.	107.	101.	201.
13 35 24	-20.45	.55	.08	.89	30.0	.09	117.	LOW	100.	848.	107.	103.	205.
13 35 29	-21.23	.25	.18	.87	30.0	.22	117.	LOW	103.	848.	107.	104.	207.
13 35 34	-11.22	.39	.47	.84	30.0	.35	116.	LOW	103.	692.	108.	103.	197.
13 35 39	-10.24	.37	.35	.88	30.0	.29	118.	LOW	103.	778.	106.	103.	198.
13 55 44	-14.80	.47	-.04	.89	30.0	.82	128.	LOW	103.	848.	106.	102.	210.
13 51 26	-11.18	.51	.12	.90	30.0	.69	124.	*000000.	104.	848.	106.	105.	221.
13 51 26	-8.80	.55	.39	.81	30.0	.09	125.	LOW	102.	821.	106.	103.	223.
13 51 31	-9.70	.72	.20	.86	30.0	.37	125.	LOW	102.	835.	105.	104.	236.
13 51 36	-9.11	.78	.12	.87	30.0	.65	123.	LOW	98.	848.	95.	103.	223.
13 51 41	-9.95	.78	.04	.87	30.0	.54	123.	LOW	101.	848.	101.	103.	223.
13 51 46	-8.82	.78	.12	.87	30.0	.79	127.	LOW	103.	848.	110.	106.	231.
13 51 51	-8.80	.53	.14	.85	30.0	.45	125.	LOW	102.	848.	108.	104.	238.
13 51 57	-10.85	.31	.43	.85	30.0	.29	119.	LOW	101.	732.	105.	101.	227.
13 52 2	-8.97	.22	.41	.85	30.0	.35	121.	LOW	103.	798.	104.	98.	228.
13 52 15	-9.27	.66	0.00	.88	30.0	.21	123.	LOW	102.	848.	105.	97.	229.
13 52 12	-9.58	.55	.22	.86	30.0	.23	123.	LOW	103.	848.	106.	108.	225.
13 52 17	-7.90	.23	.31	.78	30.0	.26	125.	LOW	104.	848.	107.	108.	231.
13 52 22	-7.88	.35	.31	.81	30.0	.31	124.	LOW	103.	762.	106.	105.	227.
13 52 35	-7.90	.31	.39	.84	30.0	.26	125.	LOW	103.	848.	103.	105.	237.
13 52 32	-8.02	.39	.39	.84	30.0	.28	124.	LOW	103.	848.	105.	106.	233.
13 52 37	-8.17	.39	0.00	.87	30.0	.53	123.	LOW	105.	848.	95.	104.	223.
13 52 42	-8.48	.45	.18	.89	30.0	.44	122.	LOW	105.	694.	101.	105.	223.
13 52 47	-15.76	.98	.51	.87	30.0	.44	123.	LOW	105.	848.	108.	106.	230.
13 52 52	-12.41	.72	.35	.86	30.0	.40	123.	LOW	105.	848.	101.	108.	229.
13 52 57	-8.17	.31	.43	.82	30.0	.35	121.	LOW	104.	848.	107.	107.	225.
13 53 2	-11.30	.33	.37	.81	30.0	.34	123.	LOW	103.	848.	107.	105.	229.
13 53 7	-9.31	.78	.08	.87	30.0	.59	125.	LOW	95.	848.	107.	108.	239.
13 57 28	-8.88	.76	.14	.86	30.0	.56	125.	LOW	108.	848.	107.	108.	238.
13 57 30	-8.82	.51	.12	.84	30.0	.58	123.	LOW	95.	848.	108.	106.	235.
13 57 35	-8.97	.57	.06	1.19	30.0	.54	124.	LOW	100.	848.	109.	105.	231.
13 57 48	-8.99	.39	.23	1.85	30.0	.09	123.	LOW	103.	848.	106.	99.	235.
13 57 40	-11.58	.49	.27	2.07	30.0	.22	123.	LOW	103.	848.	108.	103.	234.
13 57 45	-9.11	.43	-.04	3.29	30.0	.29	124.	LOW	101.	848.	106.	110.	225.
13 57 58	-10.36	.33	.14	3.63	30.0	.31	124.	LOW	99.	737.	105.	106.	226.
13 58 0	-8.68	.43	0.00	4.04	30.0	.21	125.	LOW	97.	889.	107.	103.	221.
13 58 0	-11.65	.51	0.00	4.05	30.0	.53	125.	LOW	96.	829.	106.	103.	225.
13 58 5	-9.85	.59	0.00	4.01	30.0	.44	124.	LOW	96.	848.	105.	103.	222.
13 58 10	-12.02	.39	.10	4.02	30.0	.45	124.	LOW	96.	848.	107.	104.	224.
13 58 15	-15.21	.47	.31	3.91	30.0	.32	119.	LOW	93.	678.	95.	101.	223.
13 58 20	-13.18	.53	.14	3.90	30.0	.51	122.	LOW	94.	763.	108.	103.	224.
13 58 25	-14.55	.43	0.00	3.89	30.0	.44	125.	LOW	93.	848.	109.	104.	231.
13 58 31	-11.61	.55	-.18	3.91	30.0	.54	125.	LOW	93.	848.	107.	104.	229.
13 58 36	-10.60	.35	.12	3.91	30.0	.44	125.	LOW	91.	848.	105.	104.	231.
13 58 41	-10.67	.45	.04	3.91	30.0	.53	126.	LOW	91.	848.	106.	104.	230.

TIME H/M/S	EC 56 PRESS RAM AR PRIMRY HX HSUB NLET	EC 57 PRESS RAM AR PRIMRY HX HSUB NLET	EC 58 PRESS RAM AR PRIMRY HX HSUB NLET	EC 59 PRESS STATIC PRIMRY HX HEADER INLET	EC 60 PRESS STATIC PRIMRY HX HEADER OUTLET	EC 65 PRESS STATIC RAM AIR	PR 24 TEMP AIR INLET AUX LIP	PR 25 TEMP AIR INLET COWL LIP L/H	PR 26 TEMP SURFAC AUX LIP L/H	PR 27A TEMP SURFAC COWL LIP L/H 25 DEG	PR 27B TEMP SURFAC COWL LIP L/H 59 DEG	PR 28 TEMP AIR INLET SPIKE TIP	PR 13 TEMP CSD L/HENG
07													
13 58 46	-14.12	.66	-.16	3.94	30.0	.67	125.	LOW	94.	848.	90.	105.	229.
13 58 51	-11.61	.55	-.04	3.98	30.0	.67	123.	LOW	95.	848.	99.	102.	224.
13 58 56	-11.38	.08	.16	.84	30.0	.44	128.	LOW	90.	848.	107.	108.	231.
13 59 1	-11.20	.27	.12	.89	30.0	.50	127.	LOW	92.	848.	106.	100.	235.
13 59 6	-8.37	.31	.31	.93	30.0	.53	125.	LOW	104.	848.	106.	99.	224.
13 59 11	-8.91	.35	.31	.91	30.0	.41	125.	LOW	104.	848.	107.	102.	229.
13 59 16	-10.48	.55	.12	.98	30.0	.56	128.	LOW	100.	848.	104.	105.	239.
13 59 21	-11.40	.47	.06	.91	30.0	.47	128.	LOW	101.	848.	105.	103.	238.
14 6 3	-8.13	.43	.27	.87	30.0	.35	129.	LOW	106.	848.	106.	105.	242.
14 6 8	-11.55	.66	.27	.98	30.0	.28	129.	LOW	105.	848.	106.	105.	242.
14 6 13	-8.21	.63	.08	1.11	30.0	.21	130.	LOW	105.	848.	107.	107.	246.
14 6 18	-8.21	.70	.08	1.11	30.0	.26	131.	LOW	106.	848.	108.	108.	244.
14 6 23	-8.29	.70	.08	1.09	30.0	.21	129.	LOW	107.	124.	108.	106.	242.
14 6 23	-8.45	.66	.33	1.10	30.0	.19	130.	LOW	106.	486.	105.	105.	246.
14 6 33	-9.27	.55	.08	1.10	30.0	.41	127.	LOW	105.	848.	108.	104.	237.
14 6 33	-8.58	.57	.14	1.10	30.0	.07	128.	LOW	100.	848.	107.	102.	240.
14 46 38	-10.48	.63	.31	1.09	30.0	-.12	128.	LOW	108.	848.	108.	118.	231.
45 85 85	-9.79	.39	.29	1.10	30.0	-.06	128.	LOW	108.	848.	110.	106.	232.
14 13 14	-24.99	.35	-.04	.78	30.0	.29	147.	LOW	108.	848.	108.	110.	246.
14 13 19	-24.46	.39	.06	.80	30.0	.44	148.	LOW	109.	848.	109.	110.	241.
14 53 24	-22.76	.27	.39	.82	30.0	.21	152.	LOW	110.	619.	112.	113.	228.
14 13 29	-24.16	.53	.23	.83	30.0	.43	151.	LOW	109.	734.	109.	111.	241.
14 13 29	-30.42	.43	.39	.78	30.0	.41	131.	LOW	110.	494.	108.	109.	243.
14 13 34	-27.49	.59	.25	.81	30.0	.60	141.	LOW	110.	671.	108.	112.	238.
0 0 0	-22.52	.20	.39	.82	30.0	.35	152.	LOW	109.	833.	107.	114.	228.
45 85 85	-23.15	-.08	.39	.81	30.0	.41	152.	LOW	102.	840.	109.	115.	230.
45 85 85	-27.29	.55	.39	.79	30.0	.47	151.	LOW	110.	848.	111.	112.	236.
14 16 8	-24.89	.49	.39	.80	30.0	.41	151.	LOW	108.	577.	110.	109.	248.
14 16 5	-25.42	.59	.20	.22	30.0	.59	147.	LOW	112.	166.	112.	110.	226.
14 16 10	-26.20	.27	.22	.17	30.0	.30	147.	LOW	110.	*000000.	110.	109.	234.
14 16 15	-23.23	.66	-.04	.02	30.0	.32	146.	LOW	100.	LOW	108.	108.	244.
14 16 21	-25.65	.61	.16	.01	30.0	.19	145.	LOW	109.	*000000.	109.	107.	244.
14 16 26	-26.55	.47	.31	0.00	30.0	-.03	144.	LOW	106.	832.	110.	107.	244.
14 16 31	-26.82	.37	.37	-.01	30.0	.07	142.	LOW	108.	840.	109.	108.	245.
14 16 36	-26.94	.43	.43	0.00	30.0	.09	139.	LOW	110.	848.	110.	108.	247.
45 85 85	-27.31	.45	.45	-.02	30.0	-.09	138.	LOW	112.	848.	110.	109.	245.
45 85 85	-26.71	.47	.43	.01	30.0	.03	134.	LOW	109.	840.	108.	108.	242.
14 10 21	-25.69	.51	.35	.01	30.0	.13	127.	LOW	109.	848.	109.	108.	238.
14 10 27	-19.94	.47	.31	.01	30.0	0.00	118.	LOW	108.	848.	111.	108.	232.
14 18 32	-18.36	.43	.29	.03	30.0	.09	119.	LOW	100.	625.	111.	108.	233.
14 18 37	-17.24	.47	.27	.01	30.0	-.03	120.	LOW	108.	727.	111.	108.	231.
14 18 42	-17.24	.63	.18	.01	30.0	.12	120.	LOW	108.	788.	109.	107.	231.
14 18 55	-18.06	.70	.12	.02	30.0	.21	119.	LOW	105.	848.	110.	108.	231.
14 18 52	-20.57	.66	.10	.02	30.0	.34	119.	LOW	100.	848.	109.	107.	231.
14 18 57	-12.94	.59	.16	.05	30.0	.35	119.	LOW	110.	848.	114.	108.	231.
14 19 2	-13.39	.45	.23	.02	30.0	.23	119.	LOW	109.	840.	111.	108.	231.
14 19 7	-11.50	.27	.43	-.01	30.0	-.03	119.	LOW	110.	724.	109.	108.	219.
0 1 12	-10.75	.14	.20	-.00	30.0	0.00	118.	LOW	110.	786.	109.	108.	225.

C COMMUTATOR

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET JTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
0 R													
12 55 53	95.	91.	76.	97.	100.	45.	7.3	99.6	54.	94.	15.	.18	3.
12 55 58	94.	92.	76.	98.	101.	65.	6.8	99.7	24.	95.	5.	.10	1.
12 56 3	95.	93.	75.	98.	95.	63.	5.9	98.8	49.	95.	8.	.09	0.
12 56 8	95.	93.	76.	96.	97.	56.	6.1	99.2	49.	95.	2.	.12	-4.
12 56 13	94.	93.	77.	98.	100.	0.	6.8	100.7	34.	95.	-15.	.15	1.
12 56 18	93.	91.	77.	98.	100.	10.	6.8	100.4	42.	96.	2.	.18	1.
12 56 28	95.	90.	76.	99.	100.	16.	11.7	100.7	54.	94.	34.	.15	-4.
12 56 33	95.	87.	76.	99.	100.	16.	8.3	99.9	61.	94.	24.	.13	-5.
12 56 38	95.	91.	76.	97.	101.	37.	5.4	100.6	39.	94.	10.	.22	5.
12 56 43	92.	91.	76.	98.	100.	56.	5.4	100.7	34.	94.	5.	.15	5.
12 56 51	93.	92.	76.	97.	101.	-25.	4.4	100.3	0.	95.	29.	.34	7.
12 56 48	93.	92.	77.	97.	101.	-69.	6.1	100.3	2.	95.	15.	.34	8.
12 56 53	95.	90.	76.	96.	101.	22.	7.8	98.4	78.	94.	8.	.12	-1.
12 56 58	95.	90.	76.	98.	100.	47.	6.8	98.7	83.	95.	95.	.14	8.
12 57 3	95.	92.	76.	101.	101.	217.	5.9	99.9	88.	93.	28.	.13	3.
12 57 8	94.	92.	77.	99.	100.	212.	6.6	100.4	66.	94.	28.	.18	3.
13 22 28	95.	96.	74.	193.	106.	993.	5.9	86.4	34.	80.	49.	-.15	4.
13 22 25	98.	94.	80.	183.	102.	993.	5.9	85.1	1525.	80.	1478.	-.07	4.
13 22 38	121.	95.	89.	102.	105.	1062.	4.9	86.5	3021.	80.	2991.	-.13	18.
13 22 35	125.	95.	90.	102.	105.	1531.	5.9	84.8	2999.	80.	3021.	-.04	23.
13 22 48	137.	95.	87.	181.	105.	1994.	4.9	85.6	2414.	81.	2889.	.43	51.
13 22 45	145.	96.	86.	188.	101.	1997.	6.4	86.1	2848.	81.	2957.	.31	51.
13 22 50	139.	95.	86.	183.	105.	1896.	5.9	87.2	3069.	80.	2972.	.18	56.
13 23 8	136.	96.	85.	183.	104.	1879.	6.6	88.1	3050.	80.	2967.	.17	55.
13 23 5	128.	95.	87.	183.	102.	2000.	4.9	76.1	3050.	80.	2986.	.21	60.
13 23 5	126.	96.	87.	183.	101.	2000.	5.9	76.4	3033.	80.	2977.	.15	60.
13 23 18	121.	99.	86.	183.	105.	1998.	10.8	72.9	3016.	83.	2986.	.12	55.
13 24 43	121.	105.	90.	109.	105.	1935.	8.8	72.8	3006.	83.	3018.	.82	57.
13 24 48	116.	116.	90.	117.	105.	2000.	8.3	88.2	2893.	79.	3270.	-.72	57.
13 24 61	117.	118.	91.	116.	106.	2000.	8.6	81.0	2898.	80.	3174.	-.01	58.
13 24 58	121.	119.	95.	114.	106.	2000.	11.2	74.5	3030.	82.	2942.	.21	58.
13 25 3	128.	118.	95.	107.	108.	1030.	10.0	76.8	2977.	82.	2955.	.15	58.
13 65 8	119.	110.	95.	105.	110.	63.	5.9	75.7	3006.	81.	3016.	.07	57.
13 25 13	121.	113.	94.	109.	108.	56.	4.9	78.4	2955.	82.	3033.	-.21	56.
13 25 18	123.	121.	95.	105.	111.	2000.	2.0	79.3	2864.	81.	3128.	-.35	60.
13 25 23	120.	118.	97.	108.	110.	1025.	6.6	74.8	2952.	81.	3040.	-.27	60.
13 25 28	123.	118.	96.	118.	106.	51.	2.0	79.5	2942.	82.	3099.	-.07	54.
13 25 33	120.	115.	97.	115.	107.	49.	2.7	79.3	2913.	82.	3074.	-.04	57.
13 25 43	121.	126.	97.	101.	113.	53.	5.4	79.3	2849.	82.	3177.	.09	62.
13 65 48	126.	127.	96.	104.	112.	55.	7.3	77.4	2942.	82.	3091.	.34	61.
13 25 53	132.	130.	94.	118.	108.	47.	9.8	75.1	3109.	81.	2972.	.92	59.
13 25 58	131.	131.	94.	109.	109.	43.	8.1	75.4	3040.	82.	3023.	.65	59.
13 25 58	130.	128.	95.	114.	111.	45.	9.3	79.8	2920.	83.	3304.	.63	57.
13 26 3	132.	128.	95.	111.	112.	1022.	9.0	77.3	2974.	83.	3138.	.34	58.
13 26 8	132.	134.	95.	112.	111.	2008.	6.4	78.4	3104.	83.	3021.	-.48	57.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
13 26 13	130.	127.	96.	117.	111.	2080.	5.4	76.6	3067.	83.	2938.	-.48	55.
13 26 18	124.	123.	101.	114.	110.	2000.	5.9	71.4	3045.	84.	2933.	.18	59.
13 26 23	127.	124.	101.	109.	109.	2000.	6.8	74.6	3065.	82.	2974.	-.88	59.
13 26 29	137.	136.	95.	111.	112.	2000.	9.3	77.4	2986.	83.	2890.	.21	56.
13 26 34	132.	127.	96.	113.	110.	2000.	5.4	76.1	3006.	83.	2891.	-.07	57.
13 26 39	126.	119.	97.	116.	111.	2000.	4.9	73.2	3104.	83.	2889.	-.25	59.
13 26 44	133.	129.	96.	112.	113.	2000.	5.9	76.8	3077.	83.	2923.	-.24	57.
13 26 49	139.	138.	95.	109.	114.	2000.	6.4	76.8	2979.	83.	3025.	-.29	57.
13 26 54	134.	130.	99.	113.	112.	2000.	5.4	00.5	2906.	82.	3077.	-.03	55.
13 26 59	141.	138.	100.	104.	111.	2000.	7.8	00.4	3040.	83.	3157.	0.00	58.
13 27 4	141.	136.	99.	105.	111.	2000.	7.3	79.6	3043.	84.	3055.	-.13	55.
13 27 9	143.	139.	97.	108.	108.	2000.	-.5	74.0	3172.	83.	2854.	.48	54.
13 27 14	142.	141.	96.	109.	111.	2000.	2.4	74.4	3055.	84.	2876.	.31	56.
13 27 19	136.	126.	100.	121.	112.	2000.	1.0	75.8	2079.	85.	3001.	.23	61.
13 27 24	137.	131.	100.	118.	114.	2000.	3.2	76.3	2986.	84.	2979.	.15	58.
13 27 29	147.	143.	99.	108.	117.	2000.	4.4	81.1	2981.	05.	3113.	.15	57.
13 27 34	141.	136.	99.	113.	117.	2000.	4.9	82.0	2977.	84.	3128.	.41	58.
13 27 39	141.	132.	101.	109.	116.	2000.	6.4	74.3	2893.	85.	2947.	.10	60.
13 27 44	139.	129.	102.	113.	115.	2000.	4.4	75.6	2890.	84.	2945.	.12	59.
13 27 49	139.	126.	95.	108.	117.	2000.	9.8	76.4	3192.	83.	2089.	.41	62.
13 27 54	141.	132.	96.	113.	119.	2000.	8.1	78.4	3094.	84.	2981.	.24	61.
13 27 59	147.	139.	108.	105.	121.	2000.	5.9	78.4	3172.	03.	2889.	.18	57.
13 28 4	146.	138.	101.	105.	122.	2000.	3.9	79.4	3072.	83.	2979.	.05	52.
13 28 9	141.	143.	99.	116.	118.	2000.	8.3	83.8	2898.	84.	3196.	-.83	58.
13 28 19	140.	138.	101.	118.	118.	2000.	7.8	78.2	3003.	04.	3023.	-.15	61.
13 28 24	147.	145.	101.	105.	128.	2000.	6.8	79.2	2089.	86.	3123.	.25	60.
13 28 29	149.	143.	101.	108.	119.	2080.	4.2	76.4	3801.	85.	3821.	-.85	60.
13 28 34	147.	138.	101.	110.	121.	2000.	-.5	75.2	2923.	85.	2986.	-.13	62.
13 28 34	147.	138.	101.	108.	128.	2888.	2.2	76.9	2974.	85.	3035.	-.07	60.
13 28 39	139.	127.	102.	118.	121.	2000.	7.3	75.1	3094.	85.	2903.	-.25	61.
13 28 44	140.	127.	101.	118.	122.	2000.	5.4	77.9	3016.	85.	3013.	-.31	59.
13 28 49	146.	132.	96.	109.	124.	2000.	7.3	74.0	3035.	84.	2923.	-.01	61.
13 28 54	150.	140.	98.	107.	121.	2000.	7.3	75.7	3089.	85.	2974.	.07	59.
13 28 59	152.	136.	99.	105.	122.	2000.	5.9	74.8	3133.	86.	2952.	.04	46.
13 29 5	150.	135.	98.	113.	124.	2000.	5.6	79.3	3067.	05.	3013.	.19	53.
13 29 18	136.	132.	101.	114.	126.	2000.	0.3	82.0	3231.	04.	2908.	-.67	58.
13 29 15	145.	141.	102.	108.	125.	2000.	7.6	70.6	3111.	85.	2913.	-.45	58.
13 29 20	147.	132.	102.	111.	118.	2000.	3.4	72.3	2967.	06.	2928.	.18	63.
13 29 25	148.	132.	102.	111.	117.	2080.	4.2	77.8	2964.	06.	3047.	.32	62.
13 29 30	147.	134.	100.	116.	115.	2000.	4.4	79.5	2879.	86.	3143.	.10	62.
13 29 35	148.	133.	99.	115.	114.	2000.	4.2	82.0	2930.	86.	3104.	.02	61.
13 29 40	156.	141.	96.	105.	113.	2000.	12.7	77.1	3128.	84.	2093.	-.09	61.
13 29 45	156.	144.	98.	108.	114.	2000.	11.0	79.4	3155.	04.	2881.	-.25	60.
13 29 50	150.	131.	102.	117.	114.	2000.	4.4	73.8	3001.	85.	2933.	-.19	59.
13 29 55	149.	134.	103.	116.	113.	2000.	5.6	78.8	3043.	85.	2910.	-.48	61.
13 30 0	147.	136.	103.	116.	114.	2088.	6.8	80.1	2898.	85.	3196.	.89	54.
13 30 5	153.	143.	101.	110.	113.	2000.	5.1	81.5	2913.	86.	3267.	.22	56.
13 30 10	156.	142.	103.	110.	114.	2000.	7.0	03.4	3009.	85.	2991.	-.34	60.
13 30 15	153.	137.	104.	116.	113.	2000.	8.8	81.2	3110.	05.	3088.	.12	59.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FPA	EC 67 TEMP MANFLD VORTEX GENPTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET JTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
13 30 20	150.	134.	101.	117.	112.	2000.	5.9	80.5	3109.	84.	2893.	.01	55.
13 30 25	159.	140.	102.	112.	111.	2000.	5.9	81.7	3069.	85.	2984.	.01	59.
13 30 30	157.	143.	97.	117.	112.	2000.	6.8	83.9	3128.	85.	2889.	-.16	62.
13 30 35	157.	146.	100.	116.	112.	2000.	7.6	83.5	3126.	85.	2940.	-.01	61.
13 30 40	151.	138.	103.	116.	113.	2000.	8.8	84.2	3128.	84.	3021.	.32	62.
13 30 45	156.	146.	102.	114.	110.	2000.	7.3	78.9	3008.	85.	2972.	.35	58.
13 30 55	149.	138.	100.	119.	110.	2000.	3.4	77.9	2977.	86.	3104.	.41	60.
13 31 0	154.	142.	100.	119.	111.	2000.	4.2	80.0	2942.	86.	3248.	.37	60.
13 31 5	155.	139.	100.	114.	108.	2000.	4.9	84.3	3025.	85.	3025.	-.44	56.
13 31 10	155.	139.	101.	113.	109.	2000.	4.6	81.9	3062.	85.	3079.	.10	56.
13 31 15	156.	138.	101.	121.	112.	2000.	1.5	81.5	2947.	85.	3172.	.59	61.
13 31 15	157.	140.	101.	120.	114.	2000.	2.4	78.5	2962.	85.	3052.	.60	59.
13 31 20	163.	143.	102.	111.	122.	2000.	6.8	73.6	2942.	87.	2928.	-.34	51.
13 31 25	161.	145.	101.	114.	122.	2000.	7.1	76.5	2923.	87.	3021.	-.10	55.
13 31 30	154.	136.	101.	117.	121.	2000.	5.9	82.3	3060.	86.	3001.	-.38	61.
13 31 35	154.	136.	103.	118.	118.	2000.	6.1	82.1	3082.	87.	2950.	-.14	59.
13 31 40	164.	150.	101.	106.	116.	2000.	3.4	82.4	2947.	87.	3060.	0.00	60.
13 32 17	168.	154.	100.	107.	114.	2000.	3.7	84.2	2940.	87.	3033.	.07	60.
13 32 22	174.	154.	101.	100.	105.	2000.	5.4	82.3	2986.	88.	3065.	.03	56.
13 32 35	165.	150.	102.	108.	106.	2000.	3.2	74.9	2964.	88.	3072.	0.00	59.
13 32 32	165.	150.	102.	112.	108.	2000.	2.9	75.5	3021.	85.	2952.	.81	55.
13 32 37	163.	145.	102.	114.	108.	2000.	2.2	76.7	2994.	87.	2996.	.05	55.
13 32 42	160.	142.	103.	119.	108.	2000.	3.4	77.4	3055.	86.	2962.	.07	56.
13 32 47	164.	148.	102.	113.	108.	2000.	3.9	81.5	2981.	87.	2984.	.03	57.
13 32 57	166.	144.	101.	112.	106.	2000.	3.4	85.2	3011.	87.	2928.	.84	56.
13 33 2	166.	148.	101.	112.	107.	2000.	4.2	85.3	2994.	87.	2959.	.01	56.
13 33 2	175.	154.	102.	106.	108.	2000.	1.0	86.2	3045.	87.	3006.	.16	55.
13 33 7	170.	153.	102.	109.	107.	2000.	3.2	84.8	2947.	86.	3040.	.13	55.
13 33 12	165.	147.	97.	111.	108.	68.	4.4	85.5	3006.	85.	3172.	.01	55.
13 33 17	170.	152.	99.	107.	107.	1034.	3.9	82.8	3060.	86.	3011.	.01	57.
13 33 27	169.	154.	101.	113.	108.	2000.	8.8	84.3	2986.	86.	2890.	.09	55.
13 33 33	169.	152.	101.	111.	107.	2000.	7.8	81.2	3016.	87.	2957.	.07	56.
13 33 38	169.	160.	96.	112.	107.	2000.	5.9	87.7	2933.	86.	2986.	.13	58.
13 33 51	170.	160.	95.	108.	107.	2000.	4.4	86.0	2972.	87.	3018.	-.06	54.
13 73 48	169.	149.	102.	114.	107.	2000.	2.9	86.8	3060.	88.	3011.	.16	57.
13 33 53	169.	155.	102.	112.	106.	2000.	3.9	83.0	3072.	87.	2969.	.10	55.
13 33 53	172.	162.	99.	106.	108.	2000.	7.3	85.6	2991.	86.	3011.	0.00	55.
13 33 58	169.	159.	101.	109.	107.	2000.	6.4	83.9	2984.	86.	3079.	.08	56.
13 34 3	163.	146.	102.	123.	106.	2000.	3.9	82.1	2962.	88.	2913.	0.00	52.
13 34 8	160.	149.	102.	119.	107.	2000.	5.4	79.8	2972.	87.	2940.	.19	54.
13 34 13	167.	158.	101.	111.	106.	2000.	3.4	84.0	2981.	87.	3050.	.13	55.
13 34 18	167.	153.	102.	113.	107.	2000.	3.9	81.2	3018.	88.	3011.	.15	58.
13 34 23	172.	165.	102.	100.	107.	2000.	8.8	86.5	2981.	88.	3025.	.09	56.
13 34 29	168.	154.	102.	107.	108.	2000.	7.3	87.1	2974.	88.	3011.	.02	57.
13 34 42	174.	164.	101.	103.	107.	2000.	3.9	72.3	2928.	87.	3011.	.23	59.
13 34 39	174.	164.	101.	105.	107.	2000.	4.6	71.6	2950.	87.	2989.	.19	58.
13 34 44	177.	167.	101.	106.	107.	1938.	2.9	83.9	3001.	88.	3221.	0.00	58.
13 34 49	174.	161.	102.	108.	108.	1781.	4.4	83.2	3001.	88.	3150.	-.04	58.
13 34 54	169.	157.	102.	116.	110.	1713.	7.8	81.5	3011.	88.	2893.	.04	55.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
08													
13 34 59	170.	154.	102.	111.	110.	1856.	6.6	88.6	3011.	86.	2928.	.03	55.
13 35 4	171.	156.	102.	105.	109.	2000.	3.9	85.9	3094.	88.	3011.	.18	58.
13 35 9	170.	156.	102.	108.	110.	2000.	4.4	90.8	3060.	74.	2928.	.10	57.
13 35 14	171.	160.	103.	110.	108.	1984.	3.4	90.3	3030.	62.	2864.	-.18	59.
13 35 19	169.	160.	103.	110.	108.	1934.	6.6	87.2	3016.	62.	2871.	-.01	55.
13 35 24	176.	158.	103.	103.	107.	1886.	5.4	84.8	2869.	87.	2986.	-.01	55.
13 35 29	174.	160.	103.	106.	108.	1834.	3.9	74.9	2930.	75.	2964.	-.18	54.
13 35 34	168.	156.	105.	116.	109.	1986.	7.8	65.7	2977.	63.	2981.	.03	58.
13 35 39	166.	151.	104.	115.	108.	1993.	7.1	68.8	2925.	63.	2928.	.06	58.
13 55 44	171.	169.	103.	106.	108.	1892.	3.9	68.0	2933.	63.	2898.	.18	57.
13 51 26	174.	171.	103.	104.	108.	1946.	7.6	71.3	2972.	75.	2955.	.11	58.
13 51 26	174.	174.	103.	113.	110.	2000.	2.9	83.6	3006.	86.	3068.	-.03	55.
13 51 31	179.	177.	102.	110.	111.	2000.	3.4	83.4	2994.	86.	3033.	-.01	54.
13 51 36	169.	167.	106.	112.	110.	2000.	-.5	79.8	3030.	87.	2952.	.06	59.
13 51 41	178.	165.	105.	112.	111.	2000.	2.9	78.8	3091.	87.	2991.	.05	60.
13 51 46	177.	175.	100.	99.	113.	2000.	7.3	80.2	3025.	85.	3094.	.10	58.
13 51 51	175.	174.	101.	108.	113.	2000.	6.6	82.4	3033.	84.	3055.	.08	55.
13 51 57	176.	179.	99.	105.	112.	2000.	3.4	81.8	3040.	85.	3040.	.04	57.
13 52 2	175.	179.	98.	111.	114.	2000.	3.4	79.9	3040.	84.	3013.	.01	57.
13 52 15	177.	173.	100.	117.	115.	2000.	2.9	82.4	2996.	86.	2991.	.12	54.
13 52 12	167.	170.	103.	114.	112.	2000.	6.8	82.8	3086.	85.	2955.	.10	56.
13 52 17	176.	171.	103.	105.	115.	2000.	2.0	78.0	3060.	84.	2937.	.10	55.
13 52 22	175.	172.	103.	111.	114.	2000.	2.9	81.9	3030.	85.	2986.	.07	55.
13 52 35	182.	182.	102.	105.	117.	2000.	3.9	83.6	2972.	86.	3040.	.18	57.
13 52 32	178.	178.	104.	104.	115.	1042.	5.9	79.8	3003.	85.	2996.	.11	56.
13 52 37	171.	166.	102.	115.	114.	70.	3.4	82.8	2908.	85.	3030.	.15	54.
13 52 42	171.	166.	103.	111.	113.	72.	6.6	82.7	2959.	85.	3011.	.10	55.
13 52 47	173.	171.	100.	102.	111.	88.	3.9	84.2	2981.	88.	2952.	-.03	60.
13 52 52	173.	167.	102.	105.	103.	79.	5.9	80.9	2999.	87.	2938.	.04	57.
13 52 57	173.	167.	104.	110.	110.	76.	-.5	84.2	3030.	84.	2981.	.09	56.
13 53 2	176.	173.	104.	105.	111.	84.	.5	84.1	3008.	85.	2957.	.11	54.
13 53 7	178.	173.	103.	103.	114.	74.	4.4	81.7	3006.	86.	2981.	-.10	58.
13 57 20	177.	173.	103.	103.	115.	82.	6.4	85.1	2981.	86.	2986.	.15	57.
13 57 30	179.	176.	103.	101.	116.	70.	7.8	76.2	3030.	87.	2947.	.41	59.
13 57 35	174.	173.	103.	107.	119.	64.	8.3	81.7	2959.	86.	2979.	.45	59.
13 57 48	175.	186.	103.	114.	128.	57.	10.8	75.8	2913.	87.	2889.	1.10	59.
13 57 40	171.	179.	104.	109.	130.	64.	8.3	78.4	2935.	85.	2989.	1.89	58.
13 57 45	161.	164.	105.	97.	129.	68.	8.8	81.1	3048.	86.	3118.	.85	56.
13 57 50	164.	171.	104.	106.	123.	66.	8.1	82.2	2977.	85.	3162.	1.46	59.
13 58 0	163.	171.	103.	112.	108.	55.	19.6	81.1	3192.	87.	2825.	.98	66.
13 58 0	165.	174.	102.	112.	111.	58.	15.9	81.4	3096.	86.	3069.	.70	66.
13 58 5	158.	168.	103.	116.	112.	61.	10.8	80.8	2854.	86.	3299.	2.11	63.
13 58 10	159.	167.	103.	111.	110.	64.	13.0	81.2	3052.	83.	3138.	2.50	68.
13 58 15	168.	174.	104.	108.	111.	51.	17.1	80.2	2791.	81.	3099.	2.23	61.
13 58 20	165.	170.	99.	108.	111.	57.	15.4	79.4	3030.	83.	3167.	2.31	61.
13 58 25	167.	174.	102.	106.	110.	53.	24.4	79.5	3079.	84.	2840.	3.04	66.
13 58 31	167.	174.	103.	110.	110.	52.	19.8	79.8	2967.	85.	2884.	2.82	66.
13 58 36	173.	172.	102.	112.	105.	51.	13.7	81.2	3201.	84.	3162.	4.90	64.
13 58 41	177.	175.	103.	111.	107.	49.	13.2	80.7	3084.	84.	2969.	4.25	62.

TIME H/M/S	PR 14 TEMP MASS GEAR CASE	PR 15 TEMP MASS MAIN FUEL CONTRL L/HENG	PR 29 TEMP SURFAC SPIKE TIP	PR 31 TEMP AIR INLET ANTI ICE FR FRA	EC 67 TEMP MANFLD VORTEX GENRTR	AF 10 PRESS A/B FUEL CONTRL INLET	AF 11 PRESS A/B FUEL CONTRL OUTLET	SP 2 PRESS HYD OIL INLET UTL PUMP	SP 4 PRESS HYD OIL OUTLET UTL PUMP	SP 6 PRESS HYD OIL INLET PRIMRY PUMP	SP 8 PRESS HYD OIL OUTLET PRIMRY PUMP	AF 14 PRESS AIR FWD FUEL TANK	AF 18 PRESS FUEL OIL COOLER OUTLET L/HENG
13 58 46	174.	172.	103.	112.	108.	59.	17.6	77.6	2791.	89.	3038.	2.90	66.
13 58 51	171.	165.	104.	116.	109.	50.	13.9	78.2	3016.	90.	2964.	3.61	64.
13 58 56	172.	152.	104.	117.	110.	55.	4.9	79.0	2972.	84.	3011.	4.16	56.
13 59 1	180.	162.	103.	118.	110.	54.	5.6	77.3	2969.	84.	3008.	4.08	57.
13 59 6	178.	160.	103.	126.	110.	51.	4.4	76.2	2977.	84.	2991.	3.99	55.
13 59 11	178.	161.	101.	120.	109.	56.	2.7	76.2	3008.	84.	2947.	4.11	55.
13 59 16	188.	171.	106.	114.	112.	53.	4.4	80.5	2835.	84.	2913.	4.19	54.
13 59 21	186.	170.	104.	116.	111.	53.	3.7	81.5	2889.	85.	2959.	4.20	57.
14 6 3	185.	174.	102.	115.	111.	57.	3.9	78.6	3060.	82.	2913.	4.27	54.
14 6 8	183.	180.	102.	108.	114.	59.	6.1	70.5	2761.	84.	3001.	2.46	56.
14 6 13	181.	181.	103.	107.	118.	70.	7.3	72.6	2981.	88.	2991.	.81	59.
14 6 18	178.	178.	104.	106.	119.	69.	6.8	84.2	2977.	87.	3021.	.90	56.
14 6 23	178.	177.	105.	106.	118.	63.	6.8	83.4	2889.	87.	2903.	1.16	57.
14 6 23	180.	181.	103.	110.	120.	61.	7.3	87.6	2928.	86.	3008.	1.11	57.
14 6 33	169.	177.	104.	118.	117.	66.	9.8	88.9	3040.	87.	2952.	1.29	63.
14 6 33	173.	182.	103.	117.	118.	63.	8.3	79.2	2942.	86.	2913.	1.29	55.
14 46 38	171.	168.	103.	112.	117.	61.	6.8	76.1	3069.	88.	3016.	1.13	60.
45 85 85	171.	168.	103.	113.	117.	59.	5.4	85.8	3038.	87.	3006.	1.11	59.
14 13 14	180.	176.	106.	108.	152.	66.	4.9	81.2	3089.	87.	2913.	.45	59.
14 13 19	178.	179.	105.	116.	152.	48.	6.6	83.3	3065.	87.	2947.	.60	57.
14 53 24	169.	169.	104.	118.	152.	68.	5.9	79.6	2933.	88.	2947.	.67	62.
14 13 29	175.	179.	106.	110.	144.	66.	6.4	81.3	3011.	88.	2955.	.66	54.
14 13 29	177.	189.	105.	127.	152.	59.	5.9	83.3	2986.	89.	3123.	.75	61.
14 13 34	171.	181.	106.	118.	153.	66.	6.4	82.6	2981.	89.	3096.	.70	61.
0 0 0	165.	170.	110.	114.	153.	70.	6.8	82.1	2942.	89.	3016.	.66	59.
45 85 85	165.	166.	109.	110.	152.	67.	8.1	84.3	2967.	88.	3008.	.62	58.
45 85 85	171.	181.	112.	122.	154.	65.	6.8	80.8	3069.	88.	2983.	.62	61.
14 16 8	178.	186.	108.	116.	153.	59.	9.5	81.1	3079.	88.	2937.	.60	62.
14 16 5	167.	179.	105.	128.	151.	65.	5.4	82.3	2937.	86.	2913.	.70	51.
14 16 10	173.	182.	105.	122.	149.	65.	6.6	89.3	3111.	88.	2977.	.67	48.
14 16 15	185.	183.	108.	117.	143.	66.	4.9	96.6	2879.	89.	2752.	.57	15.
14 16 21	187.	183.	107.	116.	143.	49.	6.6	95.7	2859.	90.	2813.	.59	13.
14 16 26	193.	182.	107.	116.	142.	-624.	3.4	92.8	2654.	90.	2732.	.60	5.
14 16 31	195.	182.	106.	115.	141.	-834.	3.7	102.1	1425.	102.	1474.	.61	4.
14 16 36	199.	181.	105.	116.	139.	-1058.	5.9	106.5	103.	108.	29.	.63	2.
45 85 85	202.	182.	105.	113.	139.	-1064.	.7	105.0	93.	107.	39.	.61	1.
45 85 85	201.	183.	106.	110.	136.	-1075.	4.9	101.6	15.	96.	-5.	.62	6.
14 18 21	195.	182.	106.	113.	132.	-1078.	4.9	98.5	5.	94.	-18.	.66	4.
14 18 27	183.	181.	106.	116.	127.	-1077.	7.3	95.2	88.	95.	24.	.63	6.
14 18 32	186.	181.	106.	116.	127.	-1080.	6.4	95.7	42.	94.	2.	.65	5.
14 18 37	189.	180.	106.	116.	127.	-1083.	5.9	94.4	5.	95.	44.	.65	4.
14 18 42	188.	180.	106.	116.	126.	-1083.	3.7	95.0	29.	93.	29.	.67	3.
14 18 55	186.	178.	107.	116.	127.	-1085.	4.9	95.7	59.	92.	-5.	.65	5.
14 18 52	182.	179.	107.	116.	126.	-1083.	4.4	95.6	54.	92.	-18.	.69	4.
14 18 57	186.	181.	106.	116.	125.	-1093.	5.9	95.3	5.	93.	24.	.73	5.
14 19 2	186.	181.	106.	115.	127.	-1091.	6.4	95.2	20.	93.	7.	.70	4.
14 19 7	187.	180.	106.	114.	128.	-1097.	4.9	95.0	44.	93.	5.	.57	3.
0 1 12	186.	180.	108.	116.	122.	-1089.	6.1	95.0	37.	94.	17.	.60	4.

C COMMUTATOR

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LUBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
12 55 53	1.	0.	1.	-2.	5.	.4	1.	-4.	1.	121.	103.	300.	103.
12 55 58	1.	0.	2.	-3.	1.	.3	0.	-3.	1.	121.	103.	223.	103.
12 56 3	1.	0.	2.	-11.	-1.	1.0	9.	0.	2.	122.	103.	141.	103.
12 56 8	1.	0.	2.	-7.	3.	.0	5.	0.	2.	122.	103.	143.	103.
12 56 13	1.	1.	2.	-2.	2.	.8	-1.	-1.	2.	121.	101.	144.	103.
12 56 18	1.	0.	2.	-3.	5.	.7	-0.	-1.	2.	121.	103.	149.	102.
12 56 28	-0.	0.	0.	-2.	0.	.5	1.	-4.	2.	121.	102.	177.	103.
12 56 33	0.	0.	1.	-3.	5.	.9	1.	3.	1.	121.	102.	178.	103.
12 56 38	2.	0.	-1.	-2.	-4.	.0	0.	-4.	2.	118.	103.	185.	102.
12 56 43	1.	0.	-0.	-1.	-1.	.0	-1.	-4.	2.	120.	101.	177.	104.
12 56 51	1.	0.	2.	-1.	8.	-.0	-4.	0.	2.	121.	103.	134.	100.
12 56 48	1.	0.	2.	-1.	6.	.4	-2.	-2.	2.	121.	103.	142.	102.
12 56 53	0.	0.	1.	-4.	7.	.7	10.	-3.	1.	122.	103.	179.	104.
12 56 58	1.	0.	1.	-4.	5.	.5	5.	-3.	2.	122.	99.	177.	104.
12 57 3	1.	0.	0.	-3.	0.	.0	0.	-2.	1.	121.	103.	173.	102.
12 57 8	1.	0.	0.	-3.	1.	.0	1.	-2.	2.	121.	103.	161.	103.
13 22 20	1.	0.	3.	-3.	6.	26.0	2.	-1.	1.	116.	101.	186.	101.
13 22 25	2.	0.	2.	-0.	3.	33.7	2.	-1.	3.	115.	102.	170.	101.
13 22 30	16.	1.	0.	3.	45.	25.0	5.	0.	15.	115.	107.	187.	105.
13 22 35	22.	1.	1.	4.	77.	25.0	44.	2.	27.	114.	106.	171.	104.
13 22 40	46.	0.	12.	39.	137.	25.2	109.	6.	64.	114.	101.	145.	99.
13 22 45	46.	0.	14.	45.	159.	24.9	131.	5.	65.	113.	102.	143.	100.
13 22 50	49.	1.	15.	47.	196.	25.4	155.	10.	70.	114.	101.	174.	101.
13 23 0	50.	1.	13.	45.	202.	24.8	166.	14.	72.	115.	101.	174.	101.
13 23 5	51.	1.	17.	43.	206.	24.0	100.	31.	74.	114.	103.	146.	102.
13 23 5	51.	0.	17.	41.	211.	23.8	179.	30.	74.	114.	103.	141.	102.
13 23 10	52.	1.	12.	45.	194.	23.4	172.	29.	73.	115.	106.	162.	105.
13 24 43	52.	1.	13.	43.	214.	23.0	104.	41.	73.	114.	107.	165.	104.
13 24 48	52.	1.	15.	42.	250.	23.4	210.	51.	75.	107.	108.	186.	103.
13 24 61	52.	1.	15.	43.	253.	23.7	224.	50.	75.	112.	107.	172.	102.
13 24 58	53.	1.	15.	44.	264.	24.5	207.	67.	73.	114.	108.	153.	100.
13 25 3	51.	1.	15.	44.	260.	24.2	214.	67.	72.	114.	107.	155.	101.
13 65 0	51.	1.	15.	43.	241.	23.4	227.	50.	74.	110.	103.	100.	106.
13 25 13	52.	1.	15.	45.	245.	23.6	225.	64.	75.	112.	106.	171.	103.
13 25 18	51.	1.	16.	44.	246.	22.7	230.	50.	73.	114.	106.	156.	101.
13 25 23	51.	1.	16.	47.	253.	22.7	231.	60.	75.	113.	105.	156.	103.
13 25 28	52.	1.	15.	50.	251.	24.0	222.	67.	73.	110.	106.	154.	101.
13 25 33	52.	1.	16.	43.	249.	24.6	220.	65.	74.	111.	105.	154.	103.
13 25 43	52.	1.	16.	43.	256.	25.2	232.	62.	75.	114.	105.	152.	101.
13 65 40	52.	1.	16.	45.	263.	25.0	227.	64.	75.	114.	105.	169.	102.
13 25 53	51.	1.	16.	45.	260.	23.9	231.	66.	73.	114.	108.	169.	101.
13 25 58	50.	1.	16.	45.	256.	23.9	231.	64.	73.	114.	100.	163.	100.
13 25 58	52.	1.	14.	48.	243.	24.0	227.	73.	70.	114.	107.	107.	99.
13 26 3	51.	1.	15.	49.	257.	23.3	232.	60.	70.	112.	100.	178.	102.
13 26 8	52.	1.	16.	54.	246.	21.5	217.	50.	70.	114.	100.	159.	97.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK RTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
13 26 13	52.	1.	16.	51.	254.	23.3	222.	58.	72.	112.	188.	176.	181.
13 26 18	51.	1.	16.	47.	266.	23.7	218.	62.	72.	110.	185.	154.	185.
13 26 23	50.	1.	17.	53.	264.	23.3	213.	65.	72.	110.	184.	155.	185.
13 26 29	52.	1.	15.	49.	265.	23.9	210.	67.	71.	114.	186.	183.	98.
13 26 34	51.	1.	16.	50.	263.	23.7	217.	64.	72.	112.	187.	171.	182.
13 26 39	51.	0.	17.	52.	276.	22.6	221.	62.	72.	118.	188.	191.	188.
13 26 44	51.	0.	17.	49.	255.	23.1	221.	55.	72.	112.	185.	186.	183.
13 26 49	50.	0.	17.	50.	247.	24.2	228.	58.	72.	112.	183.	179.	95.
13 26 54	50.	1.	15.	49.	247.	24.3	223.	68.	72.	112.	185.	178.	188.
13 26 59	51.	0.	15.	44.	251.	23.1	223.	65.	72.	114.	187.	151.	188.
13 27 4	51.	0.	15.	46.	240.	23.2	217.	61.	73.	113.	187.	171.	183.
13 27 9	50.	1.	17.	45.	257.	23.4	227.	57.	73.	114.	185.	180.	183.
13 27 14	51.	1.	17.	51.	259.	23.	218.	57.	74.	113.	186.	166.	99.
13 27 19	49.	0.	17.	45.	254.	24.5	224.	60.	78.	110.	189.	194.	183.
13 27 24	50.	1.	17.	50.	259.	24.9	227.	60.	77.	111.	187.	174.	181.
13 27 29	51.	1.	17.	53.	266.	23.5	229.	73.	78.	112.	188.	178.	181.
13 27 34	50.	1.	16.	51.	262.	23.7	225.	72.	80.	110.	189.	184.	185.
13 27 39	50.	0.	17.	52.	254.	24.2	232.	75.	86.	111.	185.	175.	184.
13 27 44	50.	1.	17.	50.	258.	24.4	238.	73.	88.	111.	186.	168.	185.
13 27 49	50.	1.	17.	55.	267.	24.0	221.	69.	90.	95.	188.	157.	187.
13 27 54	50.	1.	17.	57.	259.	23.6	223.	67.	91.	103.	189.	166.	182.
13 27 59	50.	1.	16.	56.	251.	24.3	228.	73.	97.	111.	186.	183.	183.
13 28 4	50.	1.	16.	54.	248.	24.3	219.	70.	98.	109.	187.	185.	183.
13 28 9	50.	1.	16.	54.	256.	23.4	224.	60.	101.	110.	188.	178.	98.
13 28 19	50.	0.	16.	54.	266.	23.2	223.	62.	104.	111.	188.	168.	181.
13 28 24	49.	1.	17.	52.	263.	22.8	225.	81.	109.	112.	186.	154.	181.
13 28 29	50.	1.	16.	53.	270.	23.1	227.	75.	108.	112.	186.	166.	188.
13 28 34	49.	0.	18.	53.	261.	23.0	218.	58.	109.	111.	186.	198.	187.
13 28 34	49.	0.	17.	55.	259.	22.9	221.	66.	111.	111.	186.	198.	187.
13 28 39	50.	1.	16.	51.	265.	24.6	217.	73.	113.	109.	189.	188.	187.
13 28 44	49.	1.	16.	51.	251.	23.7	228.	65.	117.	109.	187.	192.	185.
13 28 49	49.	0.	18.	46.	249.	23.4	223.	52.	121.	110.	189.	193.	189.
13 28 54	49.	0.	17.	50.	247.	24.0	225.	59.	120.	110.	185.	193.	186.
13 28 59	50.	1.	16.	52.	260.	24.4	229.	69.	119.	113.	187.	167.	188.
13 29 5	49.	1.	16.	52.	248.	24.5	232.	63.	117.	110.	188.	179.	188.
13 29 10	50.	0.	14.	46.	257.	22.8	220.	46.	121.	112.	188.	193.	186.
13 29 15	49.	1.	15.	48.	253.	23.2	219.	54.	119.	110.	188.	193.	185.
13 29 20	49.	0.	20.	52.	249.	23.5	210.	56.	119.	109.	185.	170.	186.
13 29 25	49.	1.	18.	55.	251.	23.3	210.	63.	119.	107.	186.	168.	186.
13 29 30	48.	0.	18.	51.	249.	23.8	216.	61.	113.	108.	187.	154.	182.
13 29 35	48.	0.	18.	51.	246.	23.6	212.	64.	116.	108.	187.	153.	183.
13 29 40	48.	1.	19.	55.	246.	23.6	217.	51.	115.	110.	186.	176.	183.
13 29 45	49.	1.	18.	53.	251.	23.5	217.	57.	116.	110.	187.	179.	188.
13 29 50	50.	1.	18.	52.	246.	23.3	210.	58.	119.	109.	188.	194.	186.
13 29 55	49.	0.	19.	52.	239.	23.9	214.	55.	120.	108.	187.	185.	183.
13 30 0	48.	1.	20.	53.	249.	23.9	217.	54.	113.	110.	187.	161.	185.
13 30 5	48.	1.	19.	55.	249.	24.3	219.	57.	115.	110.	187.	168.	184.
13 30 10	47.	0.	18.	51.	256.	23.6	208.	69.	118.	110.	189.	194.	188.
13 30 15	48.	0.	19.	52.	257.	23.3	210.	60.	118.	109.	187.	192.	186.

TIME H/M/S 09	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P+D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P+D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
13 38 20	48.	1.	18.	54.	256.	23.8	216.	51.	118.	110.	118.	196.	186.
13 30 25	48.	1.	18.	53.	243.	24.1	216.	51.	119.	110.	118.	194.	186.
13 30 30	48.	0.	18.	49.	246.	23.4	217.	56.	117.	189.	118.	177.	97.
13 30 35	48.	0.	20.	58.	245.	23.4	214.	57.	116.	118.	118.	177.	97.
13 38 40	48.	1.	19.	53.	243.	24.2	225.	55.	118.	95.	108.	174.	183.
13 38 45	48.	1.	18.	54.	246.	24.3	223.	64.	118.	103.	187.	166.	98.
13 30 55	49.	1.	17.	48.	252.	22.2	204.	65.	115.	118.	189.	156.	181.
13 31 0	49.	0.	18.	48.	247.	23.2	211.	62.	114.	188.	188.	171.	95.
13 31 5	49.	1.	18.	58.	238.	23.4	212.	47.	116.	118.	189.	165.	181.
13 31 10	49.	1.	16.	54.	240.	23.2	217.	56.	118.	110.	189.	163.	188.
13 31 15	47.	0.	17.	48.	258.	24.0	213.	60.	115.	108.	118.	189.	180.
13 31 15	48.	1.	17.	50.	247.	24.8	215.	67.	116.	108.	110.	188.	180.
13 31 20	48.	0.	19.	46.	234.	23.7	211.	70.	116.	110.	188.	194.	188.
13 31 25	48.	1.	19.	51.	246.	24.3	216.	67.	115.	111.	118.	186.	183.
13 31 38	48.	8.	19.	52.	251.	23.9	220.	71.	118.	110.	111.	198.	182.
13 31 35	48.	0.	19.	55.	188.	24.0	151.	58.	114.	110.	112.	184.	182.
13 31 48	45.	0.	19.	63.	209.	24.2	166.	18.	110.	105.	112.	171.	183.
13 32 17	46.	0.	19.	57.	207.	24.6	172.	21.	109.	187.	112.	174.	182.
13 32 22	45.	0.	20.	51.	204.	24.8	177.	25.	109.	108.	111.	172.	183.
13 32 35	45.	0.	20.	55.	202.	24.6	173.	23.	107.	109.	110.	166.	181.
13 32 32	45.	1.	21.	53.	285.	24.3	176.	18.	110.	105.	112.	189.	97.
13 32 37	45.	1.	20.	58.	204.	24.4	173.	21.	111.	107.	112.	191.	181.
13 32 42	46.	1.	18.	59.	208.	23.9	174.	26.	112.	108.	110.	158.	181.
13 32 47	46.	1.	19.	53.	204.	24.6	173.	23.	113.	108.	111.	173.	99.
13 32 57	46.	8.	19.	50.	282.	24.5	172.	30.	111.	109.	110.	169.	187.
13 33 2	46.	0.	19.	51.	199.	24.2	168.	23.	110.	189.	112.	170.	182.
13 33 2	47.	1.	22.	57.	282.	24.5	163.	21.	110.	109.	112.	198.	188.
13 33 7	46.	1.	21.	52.	206.	24.2	167.	21.	109.	109.	111.	181.	182.
13 33 12	45.	1.	19.	51.	205.	25.1	165.	23.	113.	110.	113.	176.	187.
13 33 17	46.	1.	19.	54.	285.	24.2	171.	22.	113.	109.	113.	188.	186.
13 33 27	46.	0.	22.	56.	209.	25.0	188.	19.	109.	108.	112.	184.	99.
13 33 33	46.	0.	21.	57.	283.	24.6	174.	25.	110.	189.	111.	175.	183.
13 33 38	46.	1.	18.	56.	205.	25.8	165.	26.	109.	109.	112.	169.	96.
13 33 51	46.	1.	18.	55.	282.	24.4	164.	27.	110.	109.	112.	184.	188.
13 73 48	45.	0.	20.	46.	202.	24.4	182.	26.	110.	110.	112.	167.	109.
13 33 53	45.	0.	19.	51.	199.	24.1	174.	26.	110.	110.	114.	183.	185.
13 33 53	47.	0.	18.	54.	199.	23.5	176.	27.	111.	108.	113.	179.	183.
13 33 58	46.	1.	20.	56.	199.	23.4	171.	24.	110.	108.	114.	186.	188.
13 34 3	45.	0.	18.	49.	187.	25.4	161.	32.	109.	106.	114.	196.	184.
13 34 8	46.	0.	19.	51.	194.	25.2	168.	30.	110.	108.	114.	180.	182.
13 34 13	46.	0.	19.	49.	202.	24.4	164.	24.	116.	108.	116.	194.	97.
13 34 18	46.	0.	20.	49.	202.	24.4	166.	25.	112.	107.	115.	194.	99.
13 34 23	45.	1.	20.	56.	211.	24.5	174.	22.	109.	111.	112.	167.	186.
13 34 29	45.	1.	20.	51.	204.	24.8	176.	21.	110.	109.	112.	183.	187.
13 34 42	45.	1.	21.	53.	199.	24.4	172.	22.	109.	112.	112.	175.	186.
13 34 39	45.	1.	21.	51.	199.	24.3	171.	21.	109.	110.	111.	179.	183.
13 34 44	47.	0.	19.	56.	199.	24.5	163.	30.	109.	109.	114.	198.	181.
13 34 49	46.	0.	19.	53.	201.	24.3	165.	30.	110.	109.	112.	182.	185.
13 34 54	46.	1.	19.	51.	204.	23.9	172.	30.	109.	108.	115.	183.	182.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BCOST PUMP OUTLET L/HENG	AF 24 PRESS P&D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P&D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LIBE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
09													
13 34 59	46.	1.	19.	52.	203.	24.8	174.	23.	109.	109.	114.	178.	105.
13 35 4	45.	0.	21.	44.	202.	23.9	178.	18.	107.	100.	113.	182.	108.
13 35 9	46.	1.	19.	48.	196.	24.4	173.	22.	107.	105.	114.	181.	107.
13 35 14	46.	0.	20.	58.	205.	23.8	163.	23.	109.	109.	116.	194.	96.
13 35 19	46.	0.	20.	61.	208.	23.6	166.	26.	110.	109.	115.	182.	96.
13 35 24	46.	1.	21.	54.	199.	24.1	178.	17.	112.	111.	105.	178.	95.
13 35 29	46.	0.	20.	59.	196.	24.4	172.	25.	110.	110.	109.	189.	100.
13 35 34	45.	0.	20.	50.	191.	23.4	166.	29.	109.	108.	116.	191.	99.
13 35 39	46.	0.	20.	50.	201.	24.1	174.	24.	111.	108.	115.	188.	104.
13 55 44	47.	1.	20.	54.	200.	23.9	158.	21.	109.	109.	114.	168.	97.
13 51 26	46.	1.	21.	55.	199.	24.0	168.	19.	109.	108.	116.	200.	103.
13 51 26	47.	1.	23.	51.	199.	23.4	167.	29.	109.	106.	118.	208.	103.
13 51 31	46.	0.	23.	54.	202.	24.0	171.	25.	110.	107.	117.	204.	103.
13 51 36	45.	0.	24.	54.	202.	24.4	161.	25.	113.	108.	118.	193.	112.
13 51 41	45.	0.	23.	54.	204.	24.4	163.	25.	113.	107.	118.	205.	111.
13 51 46	45.	0.	23.	56.	202.	24.3	169.	21.	117.	107.	116.	182.	106.
13 51 51	46.	1.	23.	55.	199.	23.9	165.	25.	112.	107.	119.	197.	107.
13 51 57	46.	0.	21.	57.	202.	24.1	157.	32.	110.	108.	119.	191.	105.
13 52 2	46.	1.	22.	58.	195.	24.4	159.	27.	110.	108.	118.	187.	105.
13 52 15	46.	1.	23.	53.	199.	24.1	179.	23.	109.	107.	120.	212.	107.
13 52 12	46.	1.	22.	55.	198.	24.5	178.	26.	110.	107.	120.	203.	109.
13 52 17	46.	1.	23.	55.	193.	24.2	163.	29.	109.	108.	117.	194.	112.
13 52 22	46.	1.	22.	53.	192.	24.4	164.	29.	108.	107.	118.	194.	109.
13 52 35	46.	1.	21.	60.	199.	24.8	166.	31.	115.	109.	116.	206.	101.
13 52 32	46.	1.	21.	57.	193.	24.1	166.	28.	112.	109.	112.	196.	106.
13 52 37	46.	0.	18.	54.	199.	24.8	169.	28.	111.	106.	119.	214.	111.
13 52 42	46.	0.	20.	55.	199.	23.8	166.	28.	112.	106.	119.	206.	112.
13 52 47	45.	0.	21.	58.	210.	24.4	169.	27.	109.	108.	114.	186.	110.
13 52 52	45.	0.	21.	57.	210.	24.4	171.	25.	111.	107.	115.	187.	112.
13 52 57	47.	1.	21.	57.	185.	23.9	167.	32.	111.	106.	118.	212.	112.
13 53 2	47.	1.	21.	56.	198.	24.8	168.	30.	110.	108.	117.	201.	111.
13 53 7	45.	0.	22.	57.	199.	23.5	177.	21.	109.	107.	117.	199.	108.
13 57 20	45.	0.	23.	55.	202.	23.9	172.	22.	109.	107.	117.	207.	108.
13 57 30	46.	0.	22.	57.	202.	24.4	167.	24.	111.	105.	118.	219.	109.
13 57 35	46.	0.	22.	60.	221.	23.2	187.	35.	112.	106.	118.	202.	107.
13 57 40	49.	1.	23.	58.	243.	25.8	205.	58.	114.	107.	119.	200.	106.
13 57 40	49.	1.	22.	58.	261.	25.8	220.	68.	114.	107.	118.	203.	106.
13 57 45	50.	1.	21.	60.	310.	25.2	269.	132.	118.	106.	117.	205.	111.
13 57 50	50.	1.	22.	60.	323.	24.6	275.	134.	119.	110.	118.	208.	110.
13 58 0	50.	1.	21.	63.	383.	25.9	347.	188.	120.	106.	118.	196.	110.
13 58 0	50.	1.	23.	58.	427.	23.9	365.	217.	122.	107.	118.	198.	106.
13 58 5	49.	0.	21.	51.	471.	27.4	448.	279.	117.	106.	117.	191.	108.
13 58 10	51.	1.	21.	54.	487.	26.1	435.	295.	120.	107.	118.	193.	109.
13 58 15	50.	1.	22.	55.	509.	23.3	432.	277.	117.	106.	120.	199.	103.
13 58 20	50.	1.	22.	53.	498.	24.5	443.	274.	120.	107.	118.	198.	107.
13 58 25	51.	1.	21.	58.	493.	25.2	434.	271.	120.	106.	116.	191.	106.
13 58 31	51.	1.	22.	56.	478.	26.0	443.	268.	118.	106.	116.	192.	104.
13 58 36	50.	1.	21.	54.	488.	26.2	424.	274.	119.	106.	116.	192.	103.
13 58 41	50.	1.	20.	55.	486.	25.3	423.	273.	121.	106.	116.	185.	104.

TIME H/M/S	AF 21 PRESS A/B OIL COOLER OUTLET L/HENG	AF 23 PRESS OIL TANK BRTHR L/HENG	PR 21 PRESS OIL INLET CSD L/HENG	PR 23 PRESS OIL OUTLET CSD L/HENG	AF 12 PRESS FUEL CONTRL OUTLET L/HENG	AF 13 PRESS FUEL BOOST PUMP OUTLET L/HENG	AF 24 PRESS P&D VALVE PRIMRY OUTLET L/HENG	AF 25 PRESS P&D VALVE SEC OUTLET L/HENG	AF 30 PRESS OUTLET LINE PUMP MAIN L/HENG	AF 35 TEMP SKIN MASS STA 372	EC 106 TEMP AMB MWW FWD L/H	EC 107 TEMP AMB MWW FWD R/H	EC 108 TEMP AMB MWW AFT L/H
09													
13 58 46	51.	1.	21.	61.	479.	27.0	433.	280.	123.	107.	116.	198.	110.
13 58 51	50.	1.	22.	58.	402.	26.1	363.	206.	120.	106.	116.	197.	106.
13 58 56	47.	1.	21.	57.	197.	28.3	162.	38.	106.	106.	115.	196.	102.
13 59 1	47.	1.	22.	55.	196.	28.5	170.	34.	106.	108.	116.	196.	101.
13 59 6	45.	0.	23.	54.	196.	28.0	174.	21.	108.	105.	116.	193.	106.
13 59 11	46.	1.	23.	52.	197.	28.3	168.	24.	107.	105.	115.	195.	108.
13 59 16	46.	1.	24.	56.	196.	28.7	172.	26.	114.	110.	116.	195.	103.
13 59 21	46.	1.	23.	55.	199.	28.5	174.	23.	108.	110.	116.	196.	102.
14 6 3	47.	1.	23.	53.	193.	28.3	163.	29.	99.	107.	118.	194.	104.
14 6 8	47.	0.	23.	52.	196.	25.7	178.	27.	98.	107.	115.	209.	105.
14 6 13	46.	0.	25.	55.	205.	24.8	177.	31.	98.	111.	121.	214.	106.
14 6 18	46.	0.	24.	54.	205.	24.6	176.	28.	96.	103.	120.	214.	108.
14 6 23	45.	-0.	24.	54.	206.	24.8	175.	18.	94.	106.	120.	209.	107.
14 6 23	46.	0.	24.	55.	209.	24.7	172.	23.	95.	107.	121.	207.	107.
14 6 33	46.	0.	24.	49.	209.	25.3	176.	20.	95.	106.	122.	205.	112.
14 6 33	46.	0.	24.	56.	204.	24.7	177.	23.	95.	107.	122.	205.	110.
14 46 38	46.	-0.	26.	57.	209.	25.2	172.	30.	97.	105.	121.	224.	116.
45 85 85	46.	0.	24.	58.	204.	24.9	169.	29.	98.	105.	122.	223.	116.
14 13 14	48.	0.	23.	63.	209.	23.4	175.	34.	96.	107.	119.	194.	105.
14 13 19	48.	0.	23.	58.	205.	23.2	183.	34.	95.	107.	119.	199.	111.
14 53 24	48.	0.	23.	58.	235.	23.1	195.	38.	97.	105.	116.	234.	120.
14 13 29	47.	0.	24.	58.	217.	22.9	192.	38.	96.	107.	119.	211.	113.
14 13 29	47.	0.	25.	56.	222.	22.4	191.	36.	97.	105.	119.	227.	110.
14 13 34	46.	0.	25.	57.	234.	22.2	180.	36.	98.	106.	118.	215.	115.
0 0 0	47.	0.	24.	61.	205.	22.6	174.	40.	98.	103.	115.	231.	121.
45 85 85	48.	0.	24.	61.	203.	22.8	178.	41.	98.	105.	116.	216.	120.
45 85 85	47.	0.	24.	57.	225.	23.0	185.	36.	96.	107.	119.	201.	115.
14 15 8	47.	0.	24.	59.	216.	23.2	181.	34.	95.	108.	121.	210.	110.
14 16 5	44.	1.	24.	55.	64.	35.5	4.	15.	87.	110.	121.	217.	102.
14 16 10	34.	0.	21.	47.	76.	32.3	4.	9.	66.	109.	120.	198.	106.
14 16 15	13.	1.	11.	21.	89.	25.4	-3.	-1.	21.	106.	120.	180.	110.
14 16 21	18.	0.	12.	16.	86.	29.1	0.	-5.	16.	107.	118.	177.	108.
14 16 26	4.	0.	9.	9.	72.	40.8	-1.	2.	3.	106.	119.	208.	111.
14 16 31	3.	0.	9.	9.	55.	37.1	-2.	3.	2.	108.	119.	203.	111.
14 16 36	1.	0.	9.	6.	29.	22.0	-1.	1.	1.	108.	119.	223.	112.
45 85 85	1.	0.	8.	7.	18.	16.0	0.	2.	1.	107.	119.	210.	111.
45 85 85	0.	0.	11.	6.	18.	1.9	1.	-2.	1.	108.	121.	210.	106.
14 18 21	1.	0.	10.	7.	12.	1.5	-1.	-1.	1.	109.	123.	210.	109.
14 18 27	1.	0.	11.	7.	20.	1.2	1.	-6.	1.	105.	128.	203.	110.
14 18 32	1.	0.	9.	7.	14.	1.3	-1.	-2.	1.	107.	127.	207.	111.
14 18 37	1.	0.	10.	6.	16.	1.3	1.	-4.	1.	100.	127.	204.	113.
14 18 42	1.	0.	9.	6.	17.	1.1	1.	-4.	1.	105.	127.	211.	113.
14 18 55	2.	0.	9.	7.	21.	1.3	-1.	-2.	1.	110.	126.	214.	113.
14 18 52	2.	1.	9.	7.	18.	1.2	-1.	-3.	1.	110.	126.	215.	113.
14 18 57	1.	0.	10.	5.	13.	.9	0.	-2.	1.	110.	126.	207.	112.
14 19 2	1.	0.	9.	4.	12.	1.2	-4.	-1.	1.	110.	127.	205.	112.
14 19 7	1.	0.	8.	8.	12.	1.5	0.	1.	0.	95.	127.	203.	113.
0 1 12	1.	0.	9.	6.	13.	1.4	-0.	-0.	0.	102.	127.	204.	109.

8 C COMMUTATOR

TIME H/M/S	EC 109 TEMP AMB MWW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
12 55 53	102.	88.	93.	101.	97.	96.	103.	105.	109.	848.	123.	118.	103.
12 55 58	103.	90.	93.	101.	98.	96.	103.	105.	110.	848.	120.	119.	102.
12 56 3	103.	95.	92.	101.	99.	96.	103.	105.	110.	848.	119.	121.	100.
12 56 8	103.	93.	92.	101.	100.	100.	103.	105.	111.	848.	120.	120.	100.
12 56 13	103.	90.	92.	101.	99.	97.	103.	104.	110.	848.	120.	119.	100.
12 56 18	103.	91.	92.	101.	99.	96.	103.	103.	108.	848.	121.	119.	101.
12 56 28	102.	92.	92.	101.	99.	97.	103.	103.	95.	848.	119.	119.	101.
12 56 33	102.	92.	92.	101.	99.	97.	103.	103.	108.	848.	120.	120.	100.
12 56 38	103.	91.	91.	102.	99.	95.	103.	104.	110.	848.	118.	120.	101.
12 56 43	103.	91.	92.	102.	99.	96.	105.	101.	111.	848.	119.	120.	101.
12 56 51	103.	94.	93.	103.	99.	95.	103.	105.	111.	848.	121.	119.	102.
12 56 48	103.	88.	91.	102.	99.	95.	102.	105.	112.	848.	121.	119.	101.
12 56 53	103.	88.	93.	102.	99.	97.	103.	104.	110.	848.	119.	121.	101.
12 56 58	103.	86.	91.	102.	99.	96.	103.	104.	111.	848.	119.	118.	102.
12 57 3	105.	92.	92.	103.	97.	96.	104.	103.	111.	848.	121.	121.	102.
12 57 8	104.	92.	92.	102.	99.	96.	103.	104.	108.	848.	120.	120.	101.
13 22 20	103.	93.	94.	95.	100.	89.	101.	101.	108.	848.	120.	119.	111.
13 22 25	105.	99.	92.	96.	99.	97.	101.	103.	108.	848.	114.	114.	104.
13 22 30	98.	98.	90.	103.	102.	82.	101.	110.	110.	848.	113.	105.	100.
13 22 35	98.	98.	91.	103.	102.	86.	103.	107.	110.	848.	110.	107.	97.
13 22 40	106.	95.	93.	101.	98.	111.	101.	105.	108.	848.	114.	116.	103.
13 22 45	103.	95.	94.	101.	98.	107.	102.	105.	109.	848.	109.	111.	97.
13 22 50	105.	99.	97.	101.	95.	110.	103.	106.	111.	848.	111.	116.	112.
13 23 0	104.	99.	100.	101.	98.	97.	102.	106.	110.	848.	110.	112.	103.
13 23 5	105.	103.	103.	101.	102.	100.	101.	106.	111.	848.	104.	106.	93.
13 23 5	105.	105.	105.	101.	101.	97.	98.	106.	111.	848.	104.	106.	96.
13 23 18	99.	107.	108.	96.	100.	86.	99.	103.	110.	848.	119.	117.	109.
13 24 43	100.	121.	120.	97.	97.	92.	96.	105.	108.	848.	115.	116.	107.
13 24 48	103.	127.	134.	97.	96.	87.	94.	117.	114.	848.	107.	114.	99.
13 24 61	102.	128.	134.	98.	96.	92.	93.	110.	112.	848.	112.	114.	103.
13 24 58	100.	130.	137.	97.	97.	90.	95.	116.	113.	848.	108.	112.	93.
13 25 3	102.	135.	135.	97.	96.	91.	90.	113.	110.	848.	106.	114.	101.
13 65 8	105.	141.	136.	97.	95.	99.	95.	110.	116.	848.	114.	112.	106.
13 25 13	103.	136.	136.	99.	96.	94.	95.	114.	115.	848.	113.	109.	102.
13 25 18	102.	139.	135.	96.	95.	97.	93.	105.	114.	848.	116.	118.	105.
13 25 23	104.	138.	139.	96.	97.	98.	92.	108.	115.	848.	113.	114.	101.
13 25 28	104.	138.	148.	97.	97.	95.	95.	116.	116.	848.	106.	95.	95.
13 25 33	104.	141.	147.	97.	96.	97.	93.	115.	116.	848.	108.	102.	96.
13 25 43	105.	144.	141.	96.	96.	101.	93.	116.	116.	848.	114.	118.	104.
13 65 48	104.	143.	141.	96.	95.	95.	93.	116.	116.	848.	113.	117.	105.
13 25 53	102.	145.	142.	94.	96.	88.	92.	121.	112.	848.	111.	119.	103.
13 25 58	101.	144.	143.	95.	96.	89.	92.	122.	115.	848.	113.	116.	103.
13 25 58	103.	139.	147.	96.	95.	88.	93.	121.	116.	848.	116.	113.	100.
13 26 3	102.	143.	147.	96.	96.	87.	92.	120.	116.	848.	115.	115.	105.
13 26 8	101.	145.	149.	97.	95.	87.	93.	123.	115.	848.	113.	100.	100.

TIME H/M/S	EC 109 TEMP AMB MWW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
13 26 13	102.	146.	152.	97.	95.	88.	93.	121.	120.	848.	109.	108.	99.
13 26 18	103.	151.	147.	95.	96.	97.	94.	117.	119.	848.	106.	108.	97.
13 26 23	103.	154.	150.	95.	96.	100.	93.	117.	119.	848.	108.	112.	99.
13 26 29	105.	147.	153.	95.	95.	91.	93.	124.	117.	848.	112.	117.	107.
13 26 34	103.	150.	157.	96.	95.	93.	93.	119.	120.	848.	111.	112.	108.
13 26 39	101.	152.	161.	95.	95.	93.	93.	114.	121.	848.	103.	108.	97.
13 26 44	103.	151.	156.	95.	96.	95.	92.	117.	120.	848.	108.	113.	104.
13 26 49	103.	151.	152.	94.	94.	92.	93.	127.	118.	848.	113.	117.	110.
13 26 54	102.	153.	158.	95.	95.	91.	93.	120.	121.	848.	109.	112.	103.
13 26 59	105.	158.	158.	90.	94.	101.	100.	121.	128.	848.	115.	116.	101.
13 27 4	104.	159.	159.	89.	94.	100.	96.	122.	120.	848.	112.	115.	101.
13 27 9	103.	155.	156.	93.	94.	98.	93.	127.	119.	848.	114.	119.	110.
13 27 14	103.	156.	157.	94.	94.	97.	93.	127.	119.	848.	116.	119.	108.
13 27 19	99.	157.	166.	95.	95.	86.	93.	120.	122.	848.	106.	107.	97.
13 27 24	100.	154.	163.	95.	95.	88.	93.	123.	121.	848.	110.	111.	99.
13 27 29	101.	160.	163.	94.	93.	91.	92.	130.	120.	848.	114.	117.	102.
13 27 34	100.	160.	165.	94.	95.	88.	91.	126.	121.	848.	111.	113.	101.
13 27 39	103.	165.	157.	95.	93.	101.	92.	125.	124.	848.	110.	105.	97.
13 27 44	101.	166.	164.	95.	94.	94.	92.	122.	124.	848.	108.	108.	91.
13 27 49	99.	170.	168.	97.	96.	90.	92.	123.	125.	848.	106.	111.	94.
13 27 54	100.	166.	168.	97.	95.	89.	93.	124.	123.	848.	109.	113.	98.
13 27 59	103.	169.	165.	96.	93.	99.	92.	128.	121.	848.	108.	114.	95.
13 28 4	103.	171.	169.	96.	93.	98.	92.	124.	123.	848.	108.	114.	99.
13 28 9	101.	151.	170.	98.	90.	90.	92.	130.	123.	849.	113.	114.	112.
13 28 19	100.	164.	173.	98.	92.	89.	91.	124.	124.	848.	104.	110.	105.
13 28 24	103.	171.	171.	96.	98.	101.	92.	129.	126.	848.	112.	114.	104.
13 28 29	103.	170.	170.	93.	91.	98.	92.	132.	124.	848.	112.	115.	105.
13 28 34	101.	167.	173.	95.	93.	95.	91.	123.	124.	848.	105.	105.	101.
13 28 34	100.	172.	174.	96.	93.	95.	91.	124.	125.	848.	105.	108.	101.
13 28 39	97.	173.	181.	97.	93.	86.	91.	121.	128.	848.	106.	108.	95.
13 28 44	98.	172.	181.	96.	94.	85.	92.	120.	127.	848.	106.	109.	96.
13 28 49	99.	178.	181.	102.	95.	91.	92.	124.	123.	848.	103.	107.	95.
13 28 54	98.	176.	177.	98.	94.	95.	92.	132.	121.	848.	105.	110.	97.
13 28 59	99.	176.	174.	96.	94.	94.	91.	128.	125.	848.	105.	106.	98.
13 29 5	100.	174.	177.	95.	94.	90.	92.	127.	125.	848.	107.	108.	100.
13 29 10	99.	181.	187.	95.	94.	86.	91.	124.	121.	848.	103.	105.	97.
13 29 15	99.	178.	182.	96.	94.	90.	92.	130.	123.	848.	106.	108.	97.
13 29 20	101.	179.	183.	95.	95.	95.	93.	125.	128.	848.	105.	106.	97.
13 29 25	99.	178.	183.	97.	95.	95.	92.	125.	128.	848.	104.	105.	95.
13 29 30	101.	178.	186.	96.	95.	86.	91.	123.	127.	848.	110.	106.	99.
13 29 35	99.	179.	184.	97.	95.	87.	91.	124.	127.	848.	107.	105.	97.
13 29 40	101.	183.	178.	96.	93.	99.	91.	132.	128.	848.	108.	108.	101.
13 29 45	101.	177.	179.	96.	93.	98.	91.	133.	127.	848.	109.	112.	105.
13 29 50	99.	182.	191.	98.	95.	87.	92.	123.	128.	848.	102.	107.	95.
13 29 55	99.	181.	190.	100.	95.	86.	92.	124.	127.	848.	106.	108.	95.
13 30 0	99.	182.	191.	99.	94.	88.	90.	124.	128.	848.	105.	105.	98.
13 30 5	100.	180.	184.	98.	93.	94.	91.	130.	127.	848.	106.	109.	97.
13 30 10	96.	185.	187.	97.	94.	93.	91.	134.	127.	848.	105.	105.	99.
13 30 15	95.	184.	189.	97.	95.	89.	91.	130.	128.	848.	105.	109.	98.

TIME H/M/S	EC 109 TEMP AMB MWW AFT R/H	PR 20 TEMP OIL CSO INLET L/H ENGINE	PR 22 TEMP OIL CSO OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
10													
13 30 20	100.	185.	193.	97.	94.	86.	90.	124.	134.	848.	105.	108.	97.
13 30 25	100.	185.	189.	96.	93.	92.	90.	130.	125.	848.	106.	110.	99.
13 30 30	101.	173.	190.	98.	94.	90.	92.	126.	127.	848.	111.	112.	103.
13 30 35	102.	178.	189.	98.	92.	91.	92.	129.	127.	848.	111.	114.	104.
13 30 40	99.	187.	189.	96.	95.	85.	90.	125.	129.	848.	110.	108.	95.
13 30 45	101.	182.	188.	96.	93.	92.	91.	133.	127.	848.	113.	112.	101.
13 30 55	101.	184.	194.	97.	94.	86.	92.	116.	128.	848.	110.	108.	108.
13 31 0	101.	182.	192.	97.	93.	88.	93.	125.	128.	848.	109.	111.	103.
13 31 5	96.	188.	196.	96.	95.	91.	91.	127.	126.	848.	105.	107.	91.
13 31 10	98.	188.	195.	97.	95.	90.	91.	128.	127.	848.	105.	105.	93.
13 31 15	101.	183.	194.	97.	93.	85.	97.	138.	126.	848.	105.	110.	100.
13 31 15	102.	183.	193.	96.	93.	87.	94.	132.	127.	848.	107.	110.	102.
13 31 20	99.	193.	194.	97.	93.	92.	91.	138.	129.	848.	95.	108.	98.
13 31 25	100.	189.	193.	96.	93.	91.	91.	133.	128.	848.	103.	112.	99.
13 31 30	101.	190.	198.	97.	94.	86.	91.	131.	138.	848.	105.	112.	97.
13 31 35	99.	191.	198.	97.	93.	86.	91.	136.	129.	848.	105.	109.	95.
13 31 40	100.	191.	190.	96.	93.	97.	91.	137.	129.	848.	108.	108.	99.
13 32 17	100.	190.	190.	96.	92.	99.	91.	140.	129.	848.	108.	111.	102.
13 32 22	99.	193.	191.	97.	92.	101.	91.	143.	128.	848.	106.	112.	103.
13 32 35	101.	193.	195.	97.	93.	87.	90.	136.	129.	848.	108.	113.	102.
13 32 32	103.	189.	193.	97.	93.	92.	91.	136.	127.	848.	110.	115.	103.
13 32 37	99.	193.	199.	98.	94.	88.	91.	133.	129.	848.	106.	111.	99.
13 32 42	100.	194.	203.	101.	95.	87.	90.	131.	131.	848.	106.	106.	95.
13 32 47	101.	193.	201.	100.	92.	89.	94.	135.	129.	848.	108.	107.	99.
13 32 57	101.	200.	204.	97.	94.	90.	98.	132.	132.	848.	104.	103.	93.
13 33 2	102.	196.	201.	98.	94.	91.	98.	134.	130.	848.	107.	107.	96.
13 33 2	100.	197.	202.	99.	93.	95.	91.	143.	129.	848.	103.	108.	96.
13 33 7	102.	195.	201.	99.	94.	96.	90.	139.	130.	848.	107.	109.	99.
13 33 12	100.	201.	207.	100.	95.	88.	90.	132.	138.	848.	105.	105.	91.
13 33 17	101.	200.	204.	101.	94.	94.	90.	138.	129.	848.	107.	108.	96.
13 33 27	106.	195.	201.	101.	93.	95.	89.	131.	128.	848.	112.	105.	106.
13 33 33	104.	195.	202.	102.	94.	92.	89.	134.	129.	848.	103.	105.	100.
13 33 38	104.	192.	203.	100.	93.	102.	89.	142.	129.	848.	113.	110.	103.
13 33 51	103.	195.	204.	100.	92.	101.	89.	144.	129.	848.	112.	112.	103.
13 73 48	100.	203.	209.	102.	95.	90.	88.	138.	136.	848.	106.	97.	94.
13 33 53	102.	199.	203.	102.	90.	94.	88.	140.	132.	848.	108.	107.	97.
13 33 53	103.	196.	200.	104.	93.	100.	88.	147.	131.	848.	105.	109.	103.
13 33 58	104.	196.	203.	104.	93.	96.	89.	142.	138.	848.	109.	107.	103.
13 34 3	97.	200.	209.	103.	95.	86.	89.	136.	131.	848.	103.	106.	92.
13 34 8	101.	202.	209.	101.	95.	88.	89.	134.	130.	848.	106.	107.	96.
13 34 13	105.	198.	204.	104.	94.	91.	98.	139.	130.	848.	111.	105.	99.
13 34 18	105.	199.	206.	103.	94.	89.	89.	138.	129.	840.	110.	107.	101.
13 34 23	99.	199.	209.	104.	95.	96.	89.	148.	130.	848.	105.	107.	92.
13 34 29	101.	200.	211.	104.	94.	91.	89.	136.	131.	848.	105.	107.	95.
13 34 42	99.	204.	207.	105.	95.	74.	89.	142.	129.	848.	106.	104.	93.
13 34 39	97.	201.	204.	104.	94.	88.	89.	144.	127.	848.	101.	107.	100.
13 34 44	105.	201.	205.	104.	93.	100.	91.	147.	128.	848.	108.	111.	100.
13 34 49	104.	203.	209.	102.	94.	96.	98.	143.	130.	848.	107.	107.	96.
13 34 54	101.	203.	213.	103.	95.	87.	87.	138.	130.	848.	108.	108.	96.

TIME H/M/S	EC 109 TEMP AMB MWW AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 438	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA120	EC 105 TEMP RADOME AREA TOP STA124
16													
13 34 59	101.	205.	211.	104.	96.	91.	88.	138.	131.	848.	103.	105.	95.
13 35 4	101.	209.	210.	100.	95.	84.	89.	140.	131.	848.	98.	105.	98.
13 35 9	101.	208.	213.	102.	95.	88.	89.	140.	131.	848.	101.	107.	98.
13 35 14	105.	200.	210.	103.	95.	97.	90.	143.	129.	848.	112.	113.	101.
13 35 19	105.	202.	209.	103.	95.	96.	90.	141.	130.	848.	114.	110.	103.
13 35 24	101.	210.	212.	106.	96.	90.	90.	139.	131.	848.	108.	105.	84.
13 35 29	101.	208.	212.	107.	95.	93.	89.	139.	130.	848.	102.	105.	91.
13 35 34	104.	202.	212.	106.	95.	91.	88.	141.	130.	848.	111.	110.	100.
13 35 39	103.	204.	214.	106.	96.	88.	88.	138.	131.	848.	110.	107.	95.
13 55 44	106.	203.	207.	105.	95.	102.	89.	149.	129.	848.	114.	110.	101.
13 51 26	105.	221.	219.	105.	95.	97.	86.	153.	130.	848.	107.	106.	95.
13 51 26	109.	224.	237.	107.	95.	87.	84.	156.	141.	848.	108.	110.	95.
13 51 31	109.	226.	233.	106.	95.	91.	84.	158.	141.	848.	105.	108.	94.
13 51 36	105.	232.	240.	106.	98.	74.	83.	148.	142.	848.	100.	100.	82.
13 51 41	105.	230.	241.	106.	97.	77.	83.	149.	142.	848.	104.	102.	86.
13 51 46	110.	230.	235.	101.	95.	95.	84.	156.	141.	848.	106.	105.	86.
13 51 51	102.	227.	236.	103.	95.	90.	83.	156.	141.	848.	104.	102.	86.
13 51 57	106.	224.	241.	105.	97.	86.	79.	156.	139.	848.	107.	108.	93.
13 52 2	106.	223.	239.	105.	96.	86.	81.	156.	139.	848.	108.	107.	93.
13 52 15	106.	223.	240.	105.	97.	81.	83.	157.	145.	848.	106.	103.	94.
13 52 12	105.	227.	240.	105.	97.	78.	83.	152.	143.	848.	105.	101.	88.
13 52 17	106.	238.	235.	105.	99.	89.	82.	154.	141.	848.	101.	97.	86.
13 52 22	106.	232.	237.	104.	97.	85.	82.	154.	141.	848.	101.	102.	88.
13 52 35	109.	227.	232.	104.	94.	92.	83.	160.	139.	848.	104.	109.	97.
13 52 32	108.	230.	234.	102.	95.	91.	88.	154.	140.	848.	101.	105.	98.
13 52 37	105.	227.	243.	108.	96.	79.	78.	150.	140.	848.	101.	95.	88.
13 52 42	106.	229.	241.	108.	97.	76.	80.	149.	141.	848.	98.	98.	86.
13 52 47	108.	233.	235.	105.	97.	90.	84.	152.	141.	848.	99.	103.	82.
13 52 52	107.	233.	236.	107.	96.	89.	83.	150.	141.	848.	97.	108.	84.
13 52 57	107.	234.	240.	108.	96.	87.	83.	149.	142.	848.	96.	101.	86.
13 53 2	106.	231.	238.	108.	96.	90.	83.	151.	140.	848.	96.	101.	85.
13 53 7	108.	232.	230.	106.	95.	87.	76.	155.	141.	848.	104.	103.	91.
13 57 20	109.	234.	233.	105.	91.	91.	78.	153.	140.	848.	103.	102.	91.
13 57 30	108.	236.	235.	104.	94.	86.	84.	149.	138.	848.	97.	101.	85.
13 57 35	108.	236.	237.	104.	94.	82.	82.	147.	138.	848.	99.	108.	84.
13 57 48	106.	229.	242.	101.	91.	95.	84.	158.	136.	848.	103.	106.	90.
13 57 40	109.	231.	238.	101.	93.	91.	84.	153.	138.	848.	101.	100.	86.
13 57 45	110.	230.	236.	100.	94.	82.	86.	142.	139.	848.	104.	104.	90.
13 57 50	107.	227.	239.	99.	93.	82.	85.	147.	137.	848.	105.	106.	90.
13 58 0	106.	227.	244.	98.	94.	78.	85.	151.	136.	848.	104.	106.	87.
13 58 0	106.	224.	240.	98.	94.	81.	85.	153.	136.	848.	105.	104.	88.
13 58 5	106.	225.	244.	99.	95.	80.	85.	147.	137.	848.	102.	101.	88.
13 58 10	105.	232.	244.	100.	95.	85.	79.	150.	138.	848.	99.	100.	84.
13 58 15	105.	229.	234.	103.	93.	86.	86.	152.	137.	848.	107.	108.	91.
13 58 20	105.	231.	239.	105.	93.	83.	85.	149.	137.	848.	104.	105.	86.
13 58 25	107.	224.	235.	101.	91.	93.	86.	156.	136.	848.	110.	107.	94.
13 58 31	108.	223.	235.	101.	92.	90.	85.	155.	136.	848.	109.	106.	93.
13 58 36	107.	222.	232.	103.	92.	87.	86.	152.	132.	848.	105.	107.	93.
13 58 41	106.	225.	233.	101.	92.	90.	86.	155.	133.	848.	107.	107.	89.

TIME H/M/S	EC 109 TEMP AMR MAN AFT R/H	PR 20 TEMP OIL CSD INLET L/H ENGINE	PR 22 TEMP OIL CSD OUTLET L/H ENGINE	EC 110 TEMP WEAPNS BAY STA 460	EC 111 TEMP WEAPNS BAY STA 400	EC 112 TEMP WEAPNS BAY STA 341	EC 113 TEMP WEAPNS BAY STA 276	SP 11 TEMP HYD OIL JTL RESEVR	SP 12 TEMP HYD OIL PRIM INLET RUDDER	EC 102 TEMP RADOME AREA TOP STA 24	EC 103 TEMP RADOME AREA TOP STA 72	EC 104 TEMP RADOME AREA TOP STA128	EC 105 TEMP RADOME AREA TOP STA124
10													
13 58 46	103.	230.	241.	99.	97.	89.	86.	151.	137.	848.	103.	105.	87.
13 58 51	105.	233.	239.	100.	95.	88.	85.	145.	137.	848.	102.	103.	86.
13 58 56	106.	235.	239.	103.	91.	95.	86.	151.	138.	848.	103.	100.	93.
13 59 1	106.	232.	237.	104.	91.	93.	85.	154.	134.	848.	105.	104.	94.
13 59 6	95.	231.	242.	110.	91.	87.	84.	152.	136.	848.	110.	108.	84.
13 59 11	100.	234.	241.	111.	92.	89.	84.	150.	137.	848.	104.	104.	83.
13 59 16	108.	229.	232.	114.	93.	87.	84.	158.	134.	848.	108.	106.	90.
13 59 21	108.	227.	234.	114.	93.	91.	84.	158.	138.	848.	108.	107.	92.
14 6 3	108.	231.	233.	112.	93.	96.	85.	159.	135.	848.	106.	107.	95.
14 6 8	109.	235.	238.	112.	95.	91.	82.	157.	135.	848.	100.	107.	93.
14 6 13	111.	242.	239.	112.	96.	94.	86.	152.	138.	848.	105.	105.	93.
14 6 18	111.	243.	239.	113.	96.	93.	86.	151.	138.	848.	103.	102.	90.
14 6 23	110.	247.	242.	114.	97.	86.	84.	148.	138.	848.	89.	99.	84.
14 6 28	109.	243.	244.	111.	99.	88.	84.	151.	137.	848.	96.	104.	90.
14 6 33	108.	240.	251.	114.	99.	74.	84.	148.	138.	848.	104.	101.	87.
14 6 33	107.	240.	251.	112.	98.	88.	84.	151.	137.	848.	106.	104.	87.
14 46 38	108.	245.	254.	108.	97.	85.	84.	144.	148.	848.	95.	100.	81.
45 85 85	108.	244.	254.	110.	98.	82.	85.	146.	139.	848.	96.	98.	82.
14 12 14	110.	249.	239.	117.	101.	87.	85.	145.	147.	848.	102.	98.	84.
14 13 19	109.	248.	249.	116.	100.	88.	85.	151.	144.	848.	101.	101.	88.
14 53 24	108.	238.	252.	110.	100.	88.	84.	148.	141.	848.	103.	106.	89.
14 13 29	108.	248.	246.	110.	100.	88.	85.	149.	141.	848.	101.	103.	81.
14 13 29	109.	220.	255.	110.	99.	88.	86.	161.	138.	848.	105.	106.	88.
14 13 34	109.	237.	253.	110.	100.	88.	86.	158.	140.	848.	103.	103.	88.
0 0 0	108.	242.	252.	117.	100.	88.	86.	144.	142.	848.	105.	103.	88.
45 85 85	109.	243.	251.	116.	99.	89.	86.	142.	142.	848.	104.	103.	88.
45 85 85	108.	237.	256.	110.	100.	90.	86.	158.	139.	848.	106.	101.	90.
14 16 0	109.	238.	248.	113.	100.	89.	86.	157.	139.	848.	102.	102.	87.
14 16 5	108.	246.	249.	115.	99.	89.	86.	150.	137.	848.	102.	104.	89.
14 16 10	109.	243.	248.	116.	99.	90.	86.	155.	137.	848.	105.	107.	91.
14 16 15	108.	242.	244.	120.	100.	89.	86.	152.	137.	848.	107.	108.	92.
14 16 21	109.	243.	246.	120.	100.	89.	86.	152.	137.	848.	106.	106.	86.
14 16 26	110.	248.	247.	122.	100.	91.	88.	154.	136.	848.	97.	98.	88.
14 16 31	110.	239.	247.	123.	100.	91.	87.	153.	134.	848.	103.	104.	86.
14 16 36	110.	237.	246.	121.	100.	91.	87.	147.	130.	848.	103.	103.	86.
45 85 85	109.	236.	246.	121.	102.	91.	87.	149.	132.	848.	100.	103.	88.
45 85 85	111.	239.	240.	121.	101.	91.	88.	152.	136.	848.	103.	103.	84.
14 18 21	111.	234.	224.	122.	101.	93.	88.	151.	134.	848.	104.	103.	84.
14 18 27	110.	227.	207.	121.	103.	96.	89.	150.	136.	848.	105.	100.	78.
14 18 32	110.	227.	207.	122.	103.	96.	89.	150.	136.	848.	104.	103.	81.
14 18 37	110.	227.	206.	121.	96.	97.	90.	149.	136.	848.	103.	103.	84.
14 18 42	112.	228.	206.	121.	97.	96.	90.	149.	136.	848.	103.	103.	84.
14 18 55	110.	226.	206.	121.	103.	95.	90.	149.	134.	848.	105.	105.	84.
14 18 52	110.	227.	205.	121.	103.	96.	90.	149.	135.	848.	105.	104.	84.
14 18 57	110.	227.	203.	127.	103.	95.	87.	149.	138.	848.	104.	101.	82.
14 19 2	111.	227.	202.	125.	103.	95.	88.	149.	138.	848.	104.	100.	83.
14 19 7	110.	226.	205.	123.	101.	97.	90.	149.	136.	848.	105.	103.	82.
0 1 12	110.	227.	204.	123.	102.	97.	89.	149.	137.	848.	104.	103.	82.

C COMMUTATOR

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS JP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 MAX COMP UNT
11													
12 55 53	93.	92.	97.	101.	100.	99.	LOW	101.	99.	84.	93.	96.	99.
12 55 58	91.	92.	96.	101.	99.	101.	LOW	101.	100.	90.	91.	96.	99.
12 56 3	93.	91.	97.	102.	101.	101.	LOW	102.	101.	94.	95.	97.	101.
12 56 8	92.	92.	97.	102.	100.	100.	LOW	101.	101.	94.	94.	97.	100.
12 55 13	91.	93.	96.	102.	101.	100.	LOW	101.	101.	94.	94.	95.	97.
12 56 18	92.	94.	97.	102.	100.	100.	LOW	102.	99.	94.	93.	95.	98.
12 55 28	93.	92.	97.	101.	99.	101.	LOW	100.	97.	92.	95.	95.	101.
12 56 33	92.	93.	97.	102.	99.	99.	LOW	102.	97.	93.	94.	95.	101.
12 56 38	90.	92.	98.	102.	98.	100.	LOW	95.	95.	95.	96.	97.	96.
12 56 43	91.	92.	98.	102.	98.	100.	LOW	96.	96.	96.	95.	96.	98.
12 56 51	93.	93.	97.	103.	101.	101.	LOW	101.	100.	96.	95.	96.	98.
12 56 48	92.	92.	98.	102.	100.	101.	LOW	101.	99.	94.	95.	95.	98.
12 56 53	93.	91.	97.	103.	103.	100.	LOW	101.	97.	95.	94.	95.	99.
12 56 58	92.	93.	98.	102.	101.	100.	LOW	101.	96.	94.	95.	95.	100.
12 57 3	92.	95.	97.	103.	99.	101.	LOW	101.	97.	94.	95.	95.	99.
12 57 8	92.	93.	97.	102.	99.	98.	LOW	101.	98.	93.	96.	96.	100.
13 22 20	94.	95.	106.	105.	103.	105.	LOW	108.	105.	101.	100.	107.	106.
13 22 25	95.	95.	105.	105.	103.	105.	LOW	100.	99.	94.	94.	99.	101.
13 22 38	96.	96.	104.	108.	99.	103.	LOW	101.	96.	90.	91.	98.	96.
13 22 35	97.	96.	104.	108.	100.	102.	LOW	100.	95.	91.	90.	91.	95.
13 22 40	103.	96.	106.	100.	103.	106.	LOW	102.	100.	98.	98.	104.	105.
13 22 45	105.	96.	105.	103.	103.	106.	LOW	98.	96.	93.	93.	98.	100.
13 22 50	108.	97.	105.	106.	100.	105.	LOW	108.	104.	101.	101.	102.	104.
13 23 0	108.	96.	104.	106.	100.	105.	LOW	101.	97.	92.	94.	97.	98.
13 23 5	109.	99.	103.	108.	100.	103.	LOW	91.	91.	84.	85.	92.	87.
13 23 5	110.	100.	104.	108.	101.	104.	LOW	91.	91.	85.	82.	92.	88.
13 23 18	111.	100.	105.	109.	101.	105.	LOW	95.	101.	91.	93.	99.	95.
13 24 43	116.	109.	105.	111.	101.	100.	LOW	96.	97.	89.	83.	97.	92.
13 24 48	114.	112.	102.	108.	101.	104.	LOW	101.	98.	86.	76.	97.	86.
13 24 61	116.	112.	103.	109.	98.	102.	LOW	98.	95.	85.	73.	96.	85.
13 24 58	114.	112.	103.	111.	102.	101.	LOW	101.	95.	90.	74.	95.	90.
13 25 3	118.	117.	104.	110.	101.	102.	LOW	99.	95.	89.	74.	95.	89.
13 65 8	126.	117.	105.	108.	101.	103.	LOW	100.	95.	90.	75.	99.	87.
13 25 13	122.	114.	103.	109.	101.	101.	LOW	100.	96.	90.	76.	98.	88.
13 25 18	127.	121.	107.	112.	102.	101.	LOW	101.	95.	93.	78.	95.	90.
13 25 23	124.	115.	105.	110.	102.	100.	LOW	102.	95.	93.	78.	96.	89.
13 25 28	118.	112.	103.	108.	102.	101.	LOW	103.	94.	93.	78.	95.	88.
13 25 33	123.	114.	102.	108.	102.	100.	LOW	103.	95.	93.	79.	96.	88.
13 25 43	129.	121.	107.	110.	95.	99.	LOW	103.	98.	90.	77.	92.	89.
13 65 48	128.	121.	105.	111.	97.	100.	LOW	102.	97.	88.	77.	93.	89.
13 25 53	124.	119.	103.	114.	102.	103.	LOW	95.	95.	89.	78.	95.	88.
13 25 58	123.	119.	103.	114.	103.	100.	LOW	99.	95.	90.	78.	94.	88.
13 25 58	122.	117.	102.	111.	99.	101.	LOW	101.	95.	86.	74.	90.	87.
13 26 3	125.	119.	103.	111.	101.	101.	LOW	102.	95.	88.	77.	92.	88.
13 26 8	122.	114.	101.	113.	102.	100.	LOW	104.	96.	88.	78.	95.	88.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS JP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
13 26 13	122.	114.	101.	110.	101.	101.	LOW	101.	97.	89.	79.	96.	90.
13 26 18	124.	119.	103.	108.	107.	98.	LOW	106.	97.	93.	80.	95.	90.
13 26 23	127.	120.	105.	108.	105.	99.	LOW	107.	98.	93.	79.	96.	91.
13 26 29	127.	120.	103.	112.	99.	101.	LOW	102.	94.	85.	71.	87.	85.
13 26 34	126.	119.	103.	110.	101.	100.	LOW	105.	96.	87.	75.	93.	88.
13 26 39	127.	123.	103.	103.	100.	102.	LOW	107.	102.	93.	81.	101.	95.
13 26 44	127.	122.	103.	108.	100.	101.	LOW	106.	99.	89.	76.	94.	90.
13 26 49	128.	121.	103.	112.	103.	100.	LOW	105.	95.	82.	69.	90.	85.
13 26 54	127.	120.	102.	110.	102.	99.	LOW	106.	97.	87.	74.	94.	90.
13 26 59	129.	125.	106.	112.	101.	98.	LOW	110.	98.	91.	73.	92.	87.
13 27 4	129.	125.	105.	111.	101.	99.	LOW	110.	101.	93.	78.	95.	90.
13 27 9	130.	123.	104.	110.	99.	99.	LOW	108.	98.	85.	69.	90.	86.
13 27 14	126.	120.	105.	112.	100.	98.	LOW	107.	95.	84.	70.	88.	83.
13 27 19	123.	117.	101.	106.	101.	101.	LOW	106.	96.	88.	79.	98.	92.
13 27 24	125.	115.	101.	109.	100.	100.	LOW	104.	93.	83.	74.	94.	88.
13 27 29	123.	123.	103.	113.	101.	101.	LOW	106.	94.	82.	73.	90.	86.
13 27 34	124.	120.	101.	112.	99.	101.	LOW	104.	93.	81.	74.	91.	87.
13 27 39	136.	128.	106.	106.	100.	96.	LOW	110.	105.	92.	81.	99.	90.
13 27 44	133.	125.	105.	108.	101.	97.	LOW	109.	102.	92.	82.	100.	92.
13 27 49	136.	125.	107.	108.	103.	99.	LOW	114.	103.	94.	82.	102.	97.
13 27 54	130.	120.	104.	112.	102.	100.	LOW	108.	97.	86.	75.	95.	91.
13 27 59	131.	126.	104.	111.	100.	101.	LOW	112.	100.	87.	76.	92.	86.
13 28 4	133.	127.	104.	111.	100.	101.	LOW	110.	99.	88.	77.	91.	87.
13 28 9	125.	119.	101.	113.	99.	99.	LOW	103.	93.	78.	69.	86.	82.
13 28 19	126.	119.	101.	111.	99.	99.	LOW	104.	95.	82.	73.	91.	87.
13 28 24	134.	125.	100.	111.	101.	98.	LOW	112.	103.	90.	77.	92.	89.
13 28 29	131.	125.	100.	112.	102.	99.	LOW	112.	100.	87.	75.	92.	85.
13 28 34	133.	127.	100.	108.	101.	101.	LOW	117.	105.	93.	78.	99.	93.
13 28 34	133.	127.	102.	108.	100.	101.	LOW	117.	105.	95.	80.	101.	94.
13 28 39	130.	116.	102.	107.	100.	100.	LOW	108.	100.	86.	79.	96.	93.
13 28 44	130.	118.	103.	108.	99.	100.	LOW	104.	98.	84.	77.	96.	93.
13 28 49	130.	121.	103.	107.	100.	101.	LOW	110.	100.	87.	78.	99.	95.
13 28 54	132.	118.	103.	108.	100.	101.	LOW	115.	102.	88.	78.	98.	91.
13 28 59	129.	127.	101.	108.	100.	99.	LOW	119.	108.	91.	80.	102.	92.
13 29 5	127.	123.	103.	111.	99.	100.	LOW	111.	102.	84.	75.	96.	88.
13 29 18	136.	127.	95.	107.	100.	101.	LOW	108.	95.	84.	74.	98.	93.
13 29 15	133.	129.	98.	109.	101.	100.	LOW	113.	100.	86.	76.	97.	91.
13 29 20	138.	123.	106.	105.	99.	97.	LOW	117.	105.	89.	80.	97.	91.
13 29 25	137.	123.	106.	106.	100.	98.	LOW	114.	104.	91.	80.	99.	92.
13 29 30	136.	122.	100.	110.	101.	95.	LOW	106.	96.	80.	73.	92.	89.
13 29 35	136.	122.	102.	108.	100.	96.	LOW	108.	98.	83.	75.	95.	91.
13 29 40	136.	130.	103.	108.	99.	99.	LOW	120.	108.	88.	78.	97.	90.
13 29 45	133.	125.	101.	110.	99.	99.	LOW	116.	103.	84.	72.	91.	84.
13 29 50	136.	126.	101.	108.	99.	100.	LOW	106.	98.	79.	76.	97.	91.
13 29 55	138.	124.	102.	111.	100.	99.	LOW	105.	94.	77.	73.	94.	88.
13 30 0	134.	127.	103.	108.	97.	97.	LOW	110.	101.	84.	76.	96.	92.
13 30 5	135.	126.	100.	107.	98.	98.	LOW	116.	104.	79.	76.	95.	91.
13 30 10	138.	132.	104.	108.	101.	99.	LOW	116.	103.	90.	84.	102.	97.
13 30 15	134.	127.	102.	109.	100.	99.	LOW	112.	99.	83.	78.	97.	91.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS JP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
13 30 28	134.	127.	102.	109.	99.	99.	LOW	108.	97.	76.	73.	94.	91.
13 30 25	136.	127.	102.	109.	100.	99.	LOW	114.	102.	80.	77.	96.	91.
13 30 30	130.	119.	102.	114.	95.	99.	LOW	105.	87.	74.	65.	84.	88.
13 30 35	128.	119.	98.	114.	97.	99.	LOW	106.	90.	73.	64.	84.	81.
13 30 40	135.	116.	101.	110.	102.	98.	LOW	108.	97.	82.	74.	98.	98.
13 30 45	134.	117.	102.	113.	101.	97.	LOW	112.	97.	79.	78.	88.	84.
13 30 55	134.	123.	102.	112.	99.	96.	LOW	107.	95.	77.	71.	92.	86.
13 31 0	132.	121.	101.	111.	99.	98.	LOW	107.	94.	74.	68.	88.	82.
13 31 5	137.	124.	104.	108.	101.	97.	LOW	114.	103.	85.	78.	95.	93.
13 31 10	142.	124.	105.	108.	101.	97.	LOW	113.	101.	84.	78.	96.	92.
13 31 15	131.	123.	101.	113.	97.	100.	LOW	106.	90.	72.	68.	89.	83.
13 31 15	130.	119.	101.	114.	98.	100.	LOW	106.	91.	71.	67.	88.	81.
13 31 20	140.	131.	105.	109.	99.	99.	LOW	119.	105.	90.	79.	101.	93.
13 31 25	136.	125.	102.	113.	100.	99.	LOW	113.	99.	88.	72.	93.	87.
13 31 30	137.	123.	101.	110.	99.	100.	LOW	105.	96.	74.	71.	91.	85.
13 31 35	138.	126.	101.	110.	99.	99.	LOW	109.	96.	75.	69.	91.	83.
13 31 40	138.	129.	105.	108.	99.	98.	LOW	122.	108.	86.	75.	98.	91.
13 32 17	137.	127.	103.	109.	99.	98.	LOW	121.	107.	84.	76.	96.	88.
13 32 22	131.	125.	102.	108.	100.	97.	LOW	116.	108.	85.	78.	97.	88.
13 32 35	131.	124.	104.	109.	99.	97.	LOW	112.	101.	78.	72.	91.	83.
13 32 32	134.	117.	100.	115.	101.	99.	LOW	110.	95.	71.	64.	83.	78.
13 32 37	135.	119.	102.	113.	101.	100.	LOW	110.	97.	74.	69.	89.	84.
13 32 42	135.	123.	105.	111.	97.	97.	LOW	108.	95.	76.	71.	90.	84.
13 32 47	131.	120.	100.	113.	97.	99.	LOW	108.	94.	74.	67.	87.	81.
13 32 57	141.	127.	105.	107.	99.	97.	LOW	117.	102.	85.	80.	99.	91.
13 33 2	137.	123.	104.	111.	100.	96.	LOW	111.	97.	78.	73.	91.	85.
13 33 2	139.	127.	103.	110.	101.	99.	LOW	121.	106.	88.	84.	99.	91.
13 33 7	137.	122.	103.	112.	100.	98.	LOW	116.	101.	79.	74.	92.	84.
13 33 12	141.	128.	103.	112.	102.	97.	LOW	112.	101.	81.	80.	101.	91.
13 33 17	148.	127.	102.	111.	102.	98.	LOW	117.	103.	83.	79.	98.	89.
13 33 27	130.	120.	99.	112.	99.	99.	LOW	112.	96.	73.	67.	82.	76.
13 33 33	133.	125.	102.	110.	99.	98.	LOW	110.	98.	77.	72.	90.	80.
13 33 38	132.	118.	101.	114.	104.	97.	LOW	116.	98.	73.	68.	86.	76.
13 33 51	133.	123.	101.	112.	101.	98.	LOW	118.	101.	77.	71.	90.	88.
13 73 48	144.	127.	105.	108.	100.	95.	LOW	115.	102.	82.	75.	99.	74.
13 33 53	138.	125.	103.	111.	100.	98.	LOW	116.	101.	81.	73.	94.	76.
13 33 53	136.	125.	101.	110.	97.	98.	LOW	123.	105.	78.	76.	94.	84.
13 33 58	132.	122.	102.	112.	99.	98.	LOW	115.	100.	75.	70.	84.	88.
13 34 3	133.	121.	101.	111.	100.	99.	LOW	110.	95.	74.	71.	93.	84.
13 34 8	134.	122.	102.	112.	99.	97.	LOW	109.	94.	73.	69.	90.	81.
13 34 13	126.	121.	101.	116.	102.	99.	LOW	112.	95.	70.	64.	83.	75.
13 34 18	130.	120.	101.	114.	101.	99.	LOW	110.	90.	69.	65.	85.	74.
13 34 23	139.	128.	103.	106.	97.	97.	LOW	110.	108.	88.	82.	100.	90.
13 34 29	138.	122.	103.	107.	99.	98.	LOW	109.	102.	80.	76.	93.	86.
13 34 42	140.	128.	103.	112.	102.	97.	LOW	123.	108.	87.	79.	100.	92.
13 34 39	139.	126.	101.	112.	100.	97.	LOW	120.	105.	82.	74.	93.	85.
13 34 44	145.	127.	102.	112.	101.	100.	LOW	120.	103.	79.	73.	91.	75.
13 34 49	145.	121.	104.	111.	100.	98.	LOW	118.	102.	80.	76.	95.	83.
13 34 54	135.	123.	101.	115.	101.	98.	LOW	108.	92.	72.	68.	88.	80.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS JP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 NAX COMP UNT
11													
13 34 59	139.	127.	99.	113.	100.	93.	LOW	114.	100.	77.	75.	95.	85.
13 35 4	143.	130.	110.	111.	100.	97.	LOW	117.	105.	82.	78.	97.	91.
13 35 9	148.	128.	108.	112.	101.	97.	LOW	116.	101.	81.	76.	97.	98.
13 35 14	150.	119.	101.	114.	101.	99.	LOW	116.	97.	73.	64.	86.	76.
13 35 19	153.	122.	101.	115.	100.	98.	LOW	114.	96.	72.	64.	85.	75.
13 35 24	172.	137.	106.	112.	101.	96.	LOW	120.	106.	86.	78.	100.	89.
13 35 29	164.	138.	105.	110.	101.	97.	LOW	120.	105.	86.	79.	100.	88.
13 35 34	156.	131.	101.	116.	102.	97.	LOW	110.	92.	71.	63.	85.	76.
13 35 39	159.	134.	101.	114.	102.	96.	LOW	111.	95.	74.	68.	90.	81.
13 55 44	157.	137.	102.	116.	101.	96.	LOW	117.	98.	74.	67.	85.	73.
13 51 26	155.	139.	90.	114.	95.	96.	LOW	101.	97.	66.	68.	84.	78.
13 51 26	142.	126.	98.	117.	99.	95.	LOW	71.	74.	44.	44.	78.	61.
13 51 31	146.	132.	97.	116.	98.	95.	LOW	77.	81.	47.	47.	73.	62.
13 51 36	149.	133.	99.	114.	99.	95.	LOW	78.	89.	56.	54.	86.	63.
13 51 41	146.	131.	98.	113.	98.	95.	LOW	76.	88.	52.	53.	84.	66.
13 51 46	154.	138.	104.	114.	98.	92.	LOW	83.	93.	61.	56.	76.	68.
13 51 51	146.	134.	100.	113.	97.	94.	LOW	77.	87.	54.	52.	76.	66.
13 51 57	139.	127.	97.	117.	98.	95.	LOW	71.	81.	46.	46.	73.	65.
13 52 2	140.	126.	97.	116.	98.	94.	LOW	78.	88.	44.	44.	74.	62.
13 52 15	141.	128.	95.	116.	97.	95.	LOW	71.	88.	45.	47.	77.	63.
13 52 12	143.	129.	97.	115.	98.	94.	LOW	73.	83.	49.	51.	80.	66.
13 52 17	152.	138.	97.	111.	97.	95.	LOW	85.	95.	59.	58.	88.	71.
13 52 22	147.	132.	97.	115.	97.	94.	LOW	78.	87.	53.	52.	82.	68.
13 52 35	147.	136.	100.	115.	95.	95.	LOW	76.	85.	48.	46.	74.	68.
13 52 32	149.	136.	102.	114.	97.	95.	LOW	79.	89.	54.	51.	80.	66.
13 52 37	139.	129.	96.	113.	97.	97.	LOW	71.	83.	42.	52.	79.	67.
13 52 42	143.	132.	98.	112.	97.	96.	LOW	75.	89.	51.	57.	82.	70.
13 52 47	153.	136.	104.	111.	99.	92.	LOW	83.	91.	59.	56.	85.	70.
13 52 52	152.	135.	103.	110.	98.	93.	LOW	82.	91.	59.	55.	85.	70.
13 52 57	149.	126.	101.	106.	96.	96.	LOW	80.	86.	56.	58.	84.	69.
13 53 2	150.	131.	101.	110.	97.	95.	LOW	84.	89.	57.	56.	84.	69.
13 53 7	152.	139.	101.	111.	97.	95.	LOW	82.	93.	56.	52.	76.	65.
13 57 20	152.	138.	101.	111.	96.	95.	LOW	80.	91.	55.	53.	77.	64.
13 57 30	150.	137.	100.	105.	95.	97.	LOW	79.	86.	57.	53.	81.	65.
13 57 35	149.	135.	98.	112.	97.	95.	LOW	75.	82.	53.	50.	76.	61.
13 57 48	143.	133.	101.	119.	95.	95.	LOW	64.	72.	42.	43.	67.	58.
13 57 40	147.	135.	101.	116.	95.	94.	LOW	70.	79.	49.	48.	72.	59.
13 57 45	142.	130.	98.	110.	95.	93.	LOW	78.	88.	56.	58.	84.	68.
13 57 50	140.	127.	97.	113.	96.	93.	LOW	73.	81.	49.	51.	79.	66.
13 58 0	143.	125.	96.	114.	98.	92.	LOW	67.	76.	50.	52.	75.	65.
13 58 0	142.	123.	96.	116.	98.	91.	LOW	66.	74.	43.	48.	72.	61.
13 58 5	143.	127.	97.	115.	96.	90.	LOW	64.	74.	32.	43.	74.	63.
13 58 10	148.	131.	99.	112.	96.	90.	LOW	68.	78.	40.	50.	76.	65.
13 58 15	142.	124.	95.	119.	97.	96.	LOW	65.	78.	44.	44.	67.	53.
13 58 20	148.	129.	98.	117.	97.	94.	LOW	64.	78.	47.	48.	73.	59.
13 58 25	145.	121.	97.	115.	97.	92.	LOW	78.	81.	52.	50.	72.	58.
13 58 31	145.	123.	97.	116.	97.	91.	LOW	74.	78.	47.	46.	68.	56.
13 58 36	139.	127.	97.	117.	97.	92.	LOW	73.	79.	47.	45.	67.	54.
13 58 41	144.	129.	98.	116.	96.	91.	LOW	74.	81.	50.	49.	78.	57.

TIME H/M/S	SP 1 TEMP HYDOIL INLET UTL PUMP	SP 5 TEMP HYD OIL INLET PRIMRY PUMP	EC 94 TEMP FWD EQUIP AFT CHEEK L/H	EC 95 TEMP AFT EQUIP AFT CHEEK L/H	EC 96 TEMP FWD EQUIP AFT CHEEK R/H	EC 97 TEMP AFT EQUIP AFT CHEEK R/H	EC 68 DOPP PROCES	EC 69 LO VOLT POS JP	EC 70 ELEC PROC UT	EC 71 XMR HEATX IN	EC 72 XMR HEATX OUT	EC 73 CADC	EC 74 MAX COMP UNT
13 58 46	152.	138.	101.	112.	97.	91.	LOW	76.	86.	58.	56.	79.	67.
13 58 51	151.	136.	99.	116.	98.	93.	LOW	70.	79.	51.	49.	74.	64.
13 58 56	154.	137.	99.	117.	95.	90.	LOW	65.	73.	44.	32.	71.	61.
13 59 1	151.	135.	99.	117.	97.	91.	LOW	69.	76.	45.	41.	72.	62.
13 59 6	145.	128.	97.	114.	96.	93.	LOW	69.	73.	44.	46.	69.	59.
13 59 11	147.	130.	100.	113.	96.	93.	LOW	73.	79.	51.	51.	71.	63.
13 59 16	146.	132.	97.	116.	101.	91.	LOW	72.	76.	48.	44.	69.	56.
13 59 21	145.	130.	96.	116.	99.	91.	LOW	71.	75.	46.	44.	66.	55.
14 6 3	148.	132.	98.	116.	97.	91.	LOW	73.	78.	51.	48.	69.	58.
14 6 8	150.	134.	98.	117.	96.	90.	LOW	70.	74.	48.	49.	69.	55.
14 6 13	136.	140.	99.	112.	95.	93.	LOW	71.	74.	52.	54.	72.	62.
14 6 18	143.	144.	100.	112.	96.	93.	LOW	70.	76.	56.	55.	74.	63.
14 6 23	149.	149.	98.	115.	101.	93.	LOW	74.	76.	56.	58.	76.	63.
14 6 23	146.	147.	97.	115.	98.	94.	LOW	69.	72.	54.	54.	72.	61.
14 6 33	147.	136.	95.	114.	98.	92.	LOW	64.	72.	57.	58.	78.	69.
14 6 33	149.	140.	95.	116.	93.	92.	LOW	63.	70.	52.	55.	74.	68.
14 46 38	149.	141.	97.	110.	95.	90.	LOW	69.	78.	59.	61.	81.	71.
45 85 85	148.	142.	95.	110.	95.	92.	LOW	69.	77.	60.	62.	82.	71.
14 13 14	154.	141.	107.	111.	95.	93.	LOW	76.	81.	67.	70.	80.	71.
14 13 19	146.	132.	99.	112.	95.	94.	LOW	68.	72.	60.	64.	74.	67.
14 53 24	142.	127.	95.	110.	95.	91.	LOW	66.	69.	61.	67.	81.	73.
14 13 29	147.	134.	97.	112.	95.	92.	LOW	71.	73.	63.	66.	88.	78.
14 13 29	134.	126.	95.	115.	95.	94.	LOW	53.	61.	53.	56.	69.	61.
14 13 34	142.	130.	97.	112.	92.	93.	LOW	59.	67.	58.	62.	76.	67.
0 0 0	144.	128.	101.	112.	96.	84.	LOW	63.	67.	62.	64.	88.	71.
45 85 85	146.	128.	99.	110.	94.	90.	LOW	66.	68.	63.	67.	78.	73.
45 85 85	134.	118.	93.	111.	95.	93.	LOW	61.	64.	56.	59.	75.	63.
14 16 8	144.	127.	96.	114.	96.	93.	LOW	68.	69.	60.	61.	76.	65.
14 16 5	152.	131.	95.	116.	95.	93.	LOW	70.	74.	69.	73.	84.	76.
14 16 10	144.	129.	96.	114.	96.	94.	LOW	68.	71.	65.	67.	79.	71.
14 16 15	144.	127.	99.	110.	97.	95.	LOW	65.	67.	58.	59.	73.	63.
14 16 21	146.	129.	98.	109.	97.	92.	LOW	67.	70.	61.	63.	75.	67.
14 16 26	151.	131.	97.	113.	95.	95.	LOW	70.	72.	60.	61.	74.	67.
14 16 31	152.	132.	97.	113.	95.	95.	LOW	69.	72.	59.	61.	75.	68.
14 16 36	136.	133.	97.	113.	97.	97.	LOW	71.	73.	59.	63.	75.	68.
45 85 85	144.	133.	98.	113.	97.	96.	LOW	70.	73.	60.	62.	74.	69.
45 85 85	150.	132.	97.	112.	96.	95.	LOW	69.	73.	60.	61.	74.	69.
14 18 21	150.	133.	100.	113.	97.	96.	LOW	72.	74.	61.	59.	75.	72.
14 18 27	151.	134.	103.	113.	96.	98.	LOW	74.	74.	64.	62.	74.	74.
14 18 32	151.	133.	103.	113.	96.	99.	LOW	69.	74.	63.	61.	74.	74.
14 18 37	154.	134.	103.	112.	97.	97.	LOW	74.	74.	63.	61.	74.	74.
14 18 42	152.	134.	103.	113.	96.	97.	LOW	74.	74.	63.	62.	75.	72.
14 18 55	150.	134.	103.	114.	95.	97.	LOW	74.	74.	61.	53.	74.	78.
14 18 52	150.	134.	103.	115.	95.	99.	LOW	74.	75.	61.	58.	74.	77.
14 18 57	151.	134.	103.	112.	96.	99.	LOW	74.	74.	59.	63.	76.	74.
14 19 2	151.	134.	104.	113.	96.	99.	LOW	74.	74.	60.	63.	76.	75.
14 19 7	151.	126.	103.	112.	97.	95.	LOW	74.	75.	60.	58.	76.	69.
0 1 12	149.	129.	103.	113.	97.	97.	LOW	75.	74.	59.	61.	77.	72.

C COMMUTATOR

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS S/NC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 OOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MOC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
12 55 53	97.	97.	95.	99.	97.	98.	104.	97.	93.	848.	99.	96.	96.
12 55 58	97.	97.	92.	98.	97.	98.	107.	96.	94.	*000080.	98.	95.	93.
12 56 3	97.	97.	95.	97.	97.	99.	99.	95.	94.	LOW	97.	95.	95.
12 56 8	96.	96.	96.	97.	96.	100.	92.	94.	97.	LOW	98.	95.	95.
12 56 13	97.	97.	95.	97.	95.	99.	88.	94.	100.	LOW	96.	95.	95.
12 56 18	97.	96.	95.	99.	96.	99.	94.	95.	99.	LOW	98.	97.	96.
12 56 28	98.	96.	94.	98.	96.	96.	95.	95.	93.	LOW	98.	98.	96.
12 56 33	98.	96.	96.	99.	96.	97.	99.	93.	97.	LOW	96.	96.	96.
12 56 38	97.	97.	95.	95.	94.	98.	92.	92.	96.	LOW	95.	97.	95.
12 56 43	97.	97.	96.	96.	94.	98.	98.	92.	98.	LOW	96.	97.	95.
12 56 51	97.	97.	95.	99.	95.	98.	118.	95.	95.	LOW	98.	95.	93.
12 56 48	96.	97.	92.	98.	96.	98.	101.	93.	95.	LOW	98.	96.	96.
12 56 53	95.	97.	98.	100.	95.	99.	93.	91.	96.	LOW	97.	95.	96.
12 56 58	96.	97.	97.	99.	95.	99.	95.	93.	96.	LOW	97.	96.	96.
12 57 3	98.	94.	93.	97.	97.	97.	98.	96.	99.	LOW	97.	98.	95.
12 57 8	98.	96.	94.	97.	96.	97.	94.	94.	98.	LOW	97.	98.	95.
13 22 20	104.	103.	94.	97.	97.	95.	91.	95.	100.	64.	97.	95.	95.
13 22 25	99.	99.	95.	98.	98.	96.	91.	97.	97.	*000088.	100.	95.	94.
13 22 30	90.	91.	97.	100.	95.	101.	97.	93.	95.	LOW	97.	100.	94.
13 22 35	89.	91.	97.	98.	97.	101.	98.	94.	95.	LOW	98.	98.	96.
13 22 40	106.	106.	93.	96.	98.	97.	99.	97.	93.	LOW	99.	93.	95.
13 22 45	99.	101.	94.	95.	98.	96.	97.	97.	94.	LOW	100.	94.	94.
13 22 50	101.	99.	94.	99.	95.	97.	96.	93.	99.	LOW	98.	97.	97.
13 23 0	96.	96.	95.	93.	96.	96.	98.	93.	95.	LOW	93.	96.	97.
13 23 5	90.	90.	95.	97.	98.	94.	88.	97.	97.	LOW	100.	93.	94.
13 23 5	90.	88.	95.	97.	98.	95.	89.	97.	94.	LOW	98.	93.	93.
13 23 18	93.	89.	94.	98.	98.	93.	84.	95.	93.	LOW	99.	94.	97.
13 24 43	94.	81.	92.	97.	95.	89.	87.	94.	90.	*737856.	97.	96.	94.
13 24 48	95.	94.	88.	95.	95.	86.	99.	92.	93.	LOW	97.	92.	92.
13 24 61	94.	85.	89.	95.	95.	88.	94.	93.	95.	LOW	98.	94.	92.
13 24 58	95.	90.	91.	97.	92.	89.	102.	92.	93.	LOW	95.	95.	93.
13 25 3	95.	90.	91.	98.	93.	89.	88.	92.	90.	LOW	94.	95.	93.
13 65 8	93.	91.	90.	95.	95.	90.	95.	94.	89.	LOW	98.	91.	93.
13 25 13	94.	92.	91.	94.	94.	91.	91.	93.	90.	LOW	98.	93.	91.
13 25 18	97.	97.	90.	95.	93.	91.	97.	92.	88.	LOW	97.	95.	98.
13 25 23	96.	94.	90.	96.	93.	91.	96.	92.	91.	LOW	93.	96.	91.
13 25 28	94.	92.	90.	95.	95.	90.	97.	90.	97.	LOW	94.	96.	91.
13 25 33	94.	92.	90.	96.	94.	91.	92.	91.	96.	LOW	94.	96.	92.
13 25 43	90.	93.	90.	96.	95.	90.	105.	91.	92.	LOW	97.	96.	91.
13 65 48	91.	93.	90.	96.	96.	88.	96.	93.	91.	LOW	97.	94.	91.
13 25 53	95.	94.	88.	97.	94.	87.	103.	91.	93.	LOW	96.	87.	93.
13 25 58	95.	94.	89.	96.	95.	88.	103.	90.	94.	LOW	96.	91.	91.
13 25 58	95.	92.	88.	96.	97.	85.	98.	87.	88.	LOW	98.	92.	91.
13 26 3	96.	94.	89.	96.	96.	86.	98.	91.	91.	LOW	96.	92.	91.
13 26 8	94.	94.	90.	95.	95.	89.	89.	93.	97.	LOW	97.	93.	98.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 WDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
13 26 13	96.	95.	88.	96.	97.	88.	99.	93.	94.	LOW	96.	92.	91.
13 26 18	95.	95.	90.	97.	93.	89.	95.	92.	90.	LOW	95.	90.	91.
13 26 23	95.	93.	89.	96.	94.	88.	91.	92.	94.	LOW	95.	93.	91.
13 26 29	90.	89.	87.	95.	96.	85.	105.	95.	88.	LOW	95.	94.	90.
13 26 34	94.	93.	88.	96.	96.	86.	100.	94.	91.	LOW	95.	95.	90.
13 26 39	100.	99.	87.	97.	95.	86.	103.	93.	90.	LOW	94.	91.	92.
13 26 44	94.	92.	86.	95.	95.	86.	95.	93.	82.	LOW	96.	91.	92.
13 26 49	89.	84.	87.	95.	95.	85.	105.	90.	80.	LOW	97.	91.	93.
13 26 54	94.	92.	89.	95.	96.	86.	98.	91.	90.	LOW	98.	91.	91.
13 26 59	90.	89.	88.	95.	93.	87.	90.	93.	87.	LOW	95.	95.	90.
13 27 4	92.	92.	88.	96.	93.	86.	91.	92.	87.	LOW	95.	92.	91.
13 27 9	91.	90.	86.	94.	97.	84.	94.	94.	86.	LOW	97.	90.	92.
13 27 14	90.	90.	86.	95.	96.	84.	99.	91.	89.	LOW	98.	93.	91.
13 27 19	99.	99.	85.	97.	97.	82.	99.	95.	85.	LOW	95.	91.	93.
13 27 24	94.	96.	86.	96.	97.	84.	97.	94.	88.	LOW	95.	92.	92.
13 27 29	91.	93.	85.	97.	95.	85.	84.	93.	88.	LOW	97.	94.	93.
13 27 34	94.	96.	85.	97.	97.	84.	95.	94.	90.	LOW	98.	93.	92.
13 27 39	95.	95.	85.	93.	97.	84.	96.	90.	90.	LOW	97.	90.	92.
13 27 44	100.	99.	86.	95.	97.	84.	97.	91.	89.	LOW	96.	91.	91.
13 27 49	102.	103.	86.	95.	95.	87.	87.	94.	89.	LOW	95.	91.	90.
13 27 54	96.	98.	86.	95.	95.	86.	85.	93.	90.	LOW	95.	92.	87.
13 27 59	92.	92.	83.	97.	89.	82.	87.	93.	94.	LOW	96.	93.	93.
13 28 4	92.	93.	83.	96.	91.	82.	88.	92.	94.	LOW	96.	93.	93.
13 28 9	90.	90.	84.	95.	96.	83.	92.	93.	91.	LOW	98.	90.	92.
13 28 19	95.	95.	86.	94.	97.	86.	9[illegible].	94.	94.	LOW	98.	91.	91.
13 28 24	84.	93.	84.	93.	93.	85.	98.	92.	96.	LOW	95.	92.	91.
13 28 29	86.	90.	84.	94.	94.	83.	98.	92.	95.	LOW	95.	89.	92.
13 28 34	98.	97.	84.	97.	95.	74.	84.	92.	88.	LOW	95.	89.	93.
13 28 34	99.	98.	85.	97.	95.	76.	95.	92.	88.	LOW	94.	89.	91.
13 28 39	101.	101.	84.	95.	97.	83.	90.	95.	89.	LOW	95.	88.	92.
13 28 44	101.	101.	84.	96.	97.	83.	95.	95.	90.	LOW	96.	89.	92.
13 28 49	103.	104.	84.	96.	95.	84.	99.	94.	93.	LOW	95.	91.	91.
13 28 54	99.	97.	83.	96.	95.	83.	95.	93.	91.	LOW	94.	91.	92.
13 28 59	100.	97.	84.	94.	97.	84.	98.	96.	87.	LOW	97.	89.	91.
13 29 5	98.	96.	83.	95.	96.	83.	98.	96.	87.	LOW	98.	90.	91.
13 29 18	101.	104.	84.	97.	97.	84.	103.	89.	91.	LOW	95.	84.	93.
13 29 15	98.	100.	83.	96.	96.	83.	98.	91.	89.	LOW	93.	87.	92.
13 29 20	99.	98.	84.	95.	97.	82.	84.	95.	90.	LOW	99.	89.	89.
13 29 25	101.	96.	84.	94.	97.	83.	92.	95.	90.	LOW	98.	81.	90.
13 29 30	99.	97.	86.	95.	97.	84.	87.	95.	87.	LOW	99.	90.	91.
13 29 35	101.	98.	87.	92.	98.	83.	91.	95.	91.	LOW	99.	90.	91.
13 29 40	91.	91.	82.	94.	97.	82.	99.	95.	86.	LOW	98.	87.	87.
13 29 45	89.	83.	82.	89.	97.	81.	94.	95.	88.	LOW	98.	89.	90.
13 29 50	99.	98.	82.	95.	98.	81.	93.	95.	97.	LOW	97.	89.	93.
13 29 55	96.	96.	83.	96.	97.	82.	89.	92.	92.	LOW	97.	91.	92.
13 30 0	102.	97.	86.	93.	99.	74.	97.	94.	88.	LOW	98.	92.	91.
13 30 5	98.	92.	84.	92.	97.	78.	94.	94.	88.	LOW	98.	90.	89.
13 30 10	97.	99.	82.	97.	95.	81.	87.	94.	91.	LOW	96.	88.	90.
13 30 15	96.	95.	81.	95.	96.	81.	93.	94.	93.	LOW	96.	89.	90.

12

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 77 TRANSYNC	EC 81 P/H TFP COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 PDC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
13 30 20	99.	95.	79.	97.	95.	82.	97.	94.	90.	LOW	97.	88.	93.
13 30 25	97.	97.	80.	96.	95.	91.	99.	93.	87.	LOW	96.	88.	93.
13 30 30	90.	86.	76.	94.	95.	93.	108.	94.	98.	LOW	95.	92.	94.
13 30 35	98.	96.	79.	94.	92.	93.	106.	93.	89.	LOW	95.	91.	94.
13 30 40	101.	97.	84.	95.	92.	85.	101.	93.	91.	LOW	90.	91.	91.
13 30 45	93.	84.	83.	94.	93.	94.	94.	93.	93.	LOW	94.	92.	91.
13 30 55	87.	95.	82.	93.	96.	94.	95.	97.	96.	LOW	97.	90.	91.
13 31 0	93.	90.	81.	93.	96.	82.	90.	96.	96.	LOW	97.	90.	93.
13 31 5	102.	99.	78.	95.	95.	79.	93.	88.	90.	LOW	95.	91.	90.
13 31 10	102.	101.	80.	94.	95.	91.	92.	93.	92.	LOW	96.	90.	91.
13 31 15	94.	93.	80.	94.	99.	80.	90.	95.	90.	LOW	95.	89.	93.
13 31 15	93.	90.	79.	91.	97.	80.	91.	95.	90.	LOW	96.	88.	93.
13 31 20	101.	99.	79.	94.	93.	80.	95.	94.	84.	LOW	93.	86.	93.
13 31 25	95.	94.	80.	94.	93.	80.	100.	93.	87.	LOW	94.	89.	93.
13 31 30	97.	99.	79.	95.	95.	81.	97.	96.	88.	LOW	97.	88.	90.
13 31 35	95.	96.	80.	95.	95.	82.	98.	94.	91.	LOW	95.	89.	91.
13 31 40	98.	90.	80.	92.	90.	81.	105.	95.	90.	LOW	95.	86.	87.
13 32 17	95.	94.	79.	92.	92.	81.	95.	96.	89.	LOW	96.	86.	90.
13 32 22	94.	92.	80.	91.	95.	80.	97.	95.	91.	LOW	97.	85.	93.
13 32 35	92.	80.	81.	91.	95.	81.	93.	92.	91.	LOW	98.	86.	92.
13 32 32	87.	76.	78.	92.	93.	80.	85.	94.	90.	LOW	87.	90.	94.
13 32 37	93.	92.	78.	92.	95.	80.	95.	94.	91.	LOW	91.	89.	94.
13 32 42	95.	85.	81.	91.	97.	82.	91.	95.	93.	LOW	98.	88.	93.
13 32 47	91.	81.	79.	91.	95.	81.	93.	94.	89.	LOW	96.	87.	94.
13 [illegible] 57	103.	90.	82.	91.	95.	82.	92.	95.	88.	LOW	98.	85.	91.
13 33 2	95.	94.	81.	92.	93.	82.	90.	94.	86.	LOW	94.	86.	93.
13 33 2	98.	88.	79.	93.	94.	81.	102.	95.	88.	LOW	93.	86.	95.
13 33 7	92.	[illegible]	79.	91.	94.	81.	91.	95.	90.	LOW	95.	87.	93.
13 33 12	99.	93.	81.	90.	95.	84.	97.	94.	93.	LOW	95.	88.	92.
13 33 17	97.	88.	80.	89.	95.	81.	99.	92.	94.	LOW	95.	87.	93.
13 33 27	85.	75.	78.	91.	95.	78.	89.	93.	93.	LOW	98.	86.	94.
13 33 33	93.	83.	79.	91.	96.	80.	94.	95.	92.	LOW	98.	85.	93.
13 33 38	83.	75.	80.	87.	90.	82.	89.	95.	98.	LOW	97.	87.	92.
13 33 51	97.	77.	74.	89.	91.	90.	97.	94.	96.	LOW	96.	87.	93.
13 73 48	103.	89.	79.	91.	97.	82.	95.	95.	95.	LOW	97.	84.	93.
13 33 53	94.	82.	79.	90.	95.	81.	93.	94.	94.	LOW	95.	86.	94.
13 33 53	90.	78.	78.	92.	95.	78.	88.	97.	88.	LOW	96.	82.	93.
13 33 58	89.	77.	78.	92.	94.	80.	86.	95.	91.	LOW	95.	85.	95.
13 34 3	96.	84.	76.	90.	98.	90.	102.	95.	98.	LOW	97.	85.	94.
13 34 8	94.	82.	77.	90.	97.	91.	106.	96.	97.	LOW	98.	86.	93.
13 34 13	86.	76.	74.	91.	92.	80.	84.	93.	95.	LOW	95.	87.	94.
13 34 18	89.	77.	75.	91.	91.	80.	92.	95.	95.	LOW	97.	86.	95.
13 34 23	99.	88.	81.	91.	95.	82.	87.	95.	90.	LOW	95.	86.	92.
13 34 28	97.	87.	79.	91.	96.	81.	83.	95.	90.	LOW	96.	85.	92.
13 34 42	99.	86.	80.	90.	93.	82.	97.	94.	93.	LOW	94.	79.	93.
13 34 39	93.	80.	78.	90.	94.	81.	103.	94.	90.	LOW	95.	81.	94.
13 34 44	89.	77.	77.	91.	93.	78.	103.	95.	94.	LOW	93.	85.	95.
13 34 49	95.	84.	77.	90.	94.	80.	100.	96.	95.	LOW	94.	85.	94.
13 34 54	93.	79.	78.	91.	94.	81.	95.	92.	91.	LOW	95.	87.	94.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU EX AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 WOC	EC 87 SPARE	EC 88 STU IN AMB A	EC 89 ARS POW SUPP	EC 90 CONVER TOP
12													
13 34 59	97.	84.	78.	91.	95.	80.	91.	95.	89.	LOW	95.	82.	93.
13 35 4	102.	89.	80.	90.	94.	82.	98.	94.	97.	LOW	97.	84.	93.
13 35 9	101.	89.	80.	90.	95.	82.	98.	95.	97.	LOW	96.	85.	93.
13 35 14	83.	73.	78.	89.	93.	79.	95.	93.	95.	LOW	95.	86.	96.
13 35 19	84.	74.	78.	88.	94.	79.	92.	94.	95.	LOW	96.	86.	93.
13 35 24	101.	89.	76.	90.	94.	80.	98.	95.	93.	LOW	93.	84.	92.
13 35 29	101.	89.	76.	88.	94.	80.	98.	95.	91.	LOW	94.	83.	92.
13 35 34	88.	76.	76.	90.	93.	82.	98.	94.	91.	LOW	93.	88.	94.
13 35 39	93.	81.	78.	90.	94.	81.	98.	94.	93.	LOW	94.	87.	94.
13 35 44	78.	74.	78.	88.	93.	79.	92.	97.	91.	LOW	95.	86.	92.
13 51 26	81.	74.	72.	83.	94.	71.	100.	97.	92.	*000000.	92.	78.	94.
13 51 26	78.	73.	68.	78.	91.	73.	108.	95.	89.	LOW	88.	74.	95.
13 51 31	78.	71.	67.	77.	91.	71.	105.	97.	92.	LOW	88.	72.	96.
13 51 36	91.	86.	66.	81.	74.	73.	99.	97.	94.	LOW	86.	74.	92.
13 51 41	90.	82.	66.	81.	84.	72.	102.	98.	97.	LOW	87.	73.	96.
13 51 46	78.	75.	69.	78.	91.	73.	103.	96.	95.	LOW	84.	73.	95.
13 51 51	82.	77.	67.	78.	93.	71.	107.	97.	96.	LOW	87.	73.	96.
13 51 57	83.	76.	68.	80.	91.	66.	108.	95.	94.	LOW	88.	74.	97.
13 52 2	82.	75.	68.	78.	93.	70.	104.	96.	91.	LOW	90.	74.	96.
13 52 15	84.	78.	64.	78.	94.	71.	114.	98.	97.	LOW	84.	71.	97.
13 52 12	86.	80.	67.	79.	93.	71.	106.	96.	97.	LOW	86.	72.	96.
13 52 17	89.	79.	67.	76.	94.	70.	114.	98.	88.	LOW	88.	63.	96.
13 52 22	86.	80.	68.	78.	92.	72.	112.	97.	93.	LOW	88.	68.	96.
13 52 35	76.	67.	67.	76.	92.	68.	105.	98.	87.	LOW	80.	71.	97.
13 52 32	81.	74.	68.	76.	91.	71.	98.	97.	91.	LOW	86.	70.	96.
13 52 37	88.	74.	64.	80.	94.	70.	99.	97.	99.	LOW	88.	71.	97.
13 52 42	88.	79.	66.	80.	93.	70.	100.	96.	93.	LOW	88.	71.	96.
13 52 47	85.	79.	69.	76.	91.	68.	92.	95.	93.	LOW	74.	71.	95.
13 52 52	87.	78.	68.	76.	92.	69.	101.	97.	93.	LOW	82.	78.	95.
13 52 57	88.	80.	65.	79.	93.	70.	99.	95.	97.	LOW	85.	71.	97.
13 53 2	87.	79.	67.	77.	92.	72.	98.	95.	99.	LOW	86.	72.	95.
13 53 7	80.	73.	64.	74.	93.	69.	108.	97.	95.	LOW	89.	69.	99.
13 57 20	79.	73.	63.	74.	93.	69.	110.	97.	96.	*737856.	88.	68.	98.
13 57 30	81.	74.	64.	76.	89.	67.	95.	94.	94.	LOW	84.	69.	95.
13 57 35	76.	72.	65.	75.	90.	69.	99.	95.	95.	LOW	86.	71.	95.
13 57 40	74.	76.	66.	76.	84.	71.	92.	95.	90.	LOW	84.	71.	95.
13 57 40	76.	75.	64.	74.	88.	69.	92.	96.	93.	LOW	85.	70.	95.
13 57 45	85.	90.	64.	74.	91.	69.	97.	96.	86.	LOW	85.	68.	93.
13 57 50	83.	90.	65.	75.	89.	70.	99.	95.	94.	LOW	82.	70.	94.
13 58 0	84.	92.	67.	75.	91.	73.	95.	90.	98.	LOW	82.	71.	92.
13 58 0	79.	87.	66.	75.	91.	73.	92.	93.	97.	LOW	84.	69.	92.
13 58 5	75.	88.	67.	73.	93.	72.	97.	97.	91.	LOW	86.	71.	93.
13 58 10	81.	89.	67.	75.	89.	71.	96.	96.	90.	LOW	84.	71.	92.
13 58 15	71.	79.	61.	75.	88.	69.	94.	94.	95.	LOW	81.	69.	95.
13 58 20	78.	88.	64.	75.	89.	70.	97.	95.	94.	LOW	81.	70.	95.
13 58 25	75.	82.	66.	74.	89.	70.	96.	95.	90.	LOW	84.	69.	92.
13 58 31	73.	92.	62.	74.	90.	70.	93.	95.	93.	LOW	85.	72.	93.
13 58 36	71.	78.	56.	72.	90.	68.	94.	96.	90.	LOW	84.	65.	92.
13 58 41	74.	81.	66.	73.	90.	68.	92.	96.	91.	LOW	83.	67.	92.

TIME H/M/S	EC 75 MAST FREQ GN	EC 76 INER REF UNT	EC 80 TRANS SYNC	EC 81 R/H TFR COMP	EC 82 STU Ex AIR	EC 83 DOPP ELEC UT	EC 84 GNC	EC 85 CONVER BOTT	EC 86 MOC	EC 87 SPARE	EC 88 STU IN ANB A	EC 89 ARS PON SUPP	EC 90 CONVER TOP
12													
13 58 46	82.	92.	66.	72.	90.	70.	99.	93.	97.	LOW	82.	71.	93.
13 58 51	81.	92.	65.	74.	90.	69.	97.	90.	95.	LOW	78.	71.	94.
13 58 56	80.	90.	65.	74.	91.	69.	88.	97.	93.	LOW	84.	69.	92.
13 59 1	79.	86.	62.	74.	93.	66.	93.	96.	95.	LOW	85.	70.	93.
13 59 6	76.	80.	65.	75.	90.	69.	93.	94.	96.	LOW	80.	72.	95.
13 59 11	80.	82.	66.	74.	91.	70.	91.	92.	97.	LOW	81.	71.	95.
13 59 16	76.	73.	66.	72.	90.	67.	90.	97.	95.	LOW	85.	71.	94.
13 59 21	73.	71.	65.	72.	91.	68.	94.	96.	93.	LOW	86.	71.	94.
14 6 3	74.	73.	65.	72.	90.	69.	95.	96.	95.	LOW	86.	70.	94.
14 6 8	72.	73.	64.	71.	90.	67.	97.	95.	94.	*737856.	84.	69.	95.
14 6 13	63.	71.	61.	69.	87.	63.	95.	97.	95.	LOW	86.	65.	97.
14 6 18	68.	74.	62.	70.	90.	66.	99.	97.	98.	LOW	85.	64.	97.
14 6 23	72.	73.	63.	67.	90.	68.	101.	94.	97.	LOW	82.	67.	97.
14 6 23	72.	74.	63.	69.	90.	67.	100.	95.	96.	LOW	84.	66.	96.
14 6 33	82.	80.	67.	70.	91.	70.	103.	98.	93.	LOW	74.	64.	93.
14 6 33	79.	78.	66.	70.	90.	70.	105.	96.	94.	LOW	77.	66.	95.
14 46 38	81.	83.	53.	72.	91.	69.	103.	96.	95.	LOW	80.	64.	97.
45 85 85	81.	84.	56.	72.	91.	68.	105.	96.	94.	LOW	88.	64.	97.
14 13 14	74.	74.	64.	69.	95.	69.	103.	97.	98.	LOW	83.	63.	99.
14 13 19	72.	72.	64.	70.	90.	69.	101.	98.	96.	LOW	78.	65.	99.
14 53 24	82.	82.	67.	70.	92.	71.	109.	97.	105.	LOW	83.	67.	99.
14 13 29	79.	75.	66.	69.	92.	70.	107.	97.	100.	LOW	83.	66.	99.
14 13 29	70.	69.	65.	69.	91.	71.	108.	95.	102.	LOW	84.	67.	97.
14 13 34	77.	75.	66.	70.	92.	70.	102.	96.	102.	LOW	85.	65.	97.
0 0 0	79.	78.	65.	70.	91.	69.	105.	98.	103.	LOW	84.	67.	97.
45 85 85	81.	80.	66.	70.	91.	69.	101.	97.	102.	LOW	84.	66.	98.
45 85 85	72.	71.	67.	66.	91.	71.	102.	97.	100.	LOW	84.	66.	98.
14 16 8	72.	69.	65.	68.	91.	69.	105.	98.	100.	LOW	80.	65.	97.
14 16 5	80.	70.	66.	69.	91.	69.	95.	97.	102.	LOW	84.	64.	98.
14 16 10	77.	69.	65.	69.	91.	69.	102.	97.	100.	LOW	84.	65.	97.
14 16 15	73.	71.	64.	69.	90.	69.	104.	97.	98.	LOW	85.	66.	98.
14 16 21	77.	73.	64.	69.	90.	70.	104.	97.	99.	LOW	85.	59.	98.
14 16 26	72.	69.	65.	71.	90.	72.	113.	97.	93.	LOW	84.	65.	96.
14 16 31	74.	72.	66.	68.	89.	71.	112.	97.	95.	LOW	84.	66.	97.
14 16 36	74.	74.	64.	71.	88.	76.	106.	97.	95.	LOW	78.	68.	99.
45 85 85	73.	74.	66.	71.	88.	75.	102.	96.	96.	LOW	81.	68.	97.
45 85 85	73.	74.	68.	72.	74.	75.	108.	97.	89.	-106.	85.	68.	97.
14 18 21	72.	77.	66.	73.	81.	77.	109.	97.	91.	*737856.	84.	70.	98.
14 18 27	73.	80.	72.	74.	90.	78.	102.	97.	92.	LOW	85.	73.	99.
14 18 32	72.	78.	71.	71.	88.	78.	101.	97.	91.	LOW	85.	73.	98.
14 18 37	72.	80.	69.	68.	89.	78.	105.	98.	91.	LOW	85.	71.	99.
14 18 42	68.	80.	70.	70.	88.	79.	100.	97.	92.	LOW	83.	70.	99.
14 18 55	73.	79.	70.	74.	89.	79.	103.	95.	92.	LOW	82.	71.	100.
14 18 52	73.	79.	69.	74.	87.	78.	98.	95.	92.	LOW	83.	71.	100.
14 18 57	74.	77.	68.	74.	84.	75.	95.	97.	93.	LOW	84.	71.	99.
14 19 2	74.	77.	69.	72.	88.	75.	93.	96.	93.	LOW	84.	71.	98.
14 19 7	67.	78.	69.	68.	89.	77.	90.	97.	89.	LOW	84.	71.	96.
0 1 12	70.	79.	69.	71.	87.	77.	91.	97.	91.	LOW	83.	72.	98.

C COMMUTATOR

TIME H/M/S	13	SC 31 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
12 55 53		848.	98.	93.	87.	95.	91.	92.	LOW	LOW	90.2	94.	97.	95.
12 55 58		848.	97.	92.	89.	95.	92.	92.	LOW	LOW	90.2	93.	97.	94.
12 56 3		848.	98.	92.	90.	95.	91.	93.	LOW	LOW	90.2	92.	99.	95.
12 56 8		848.	98.	92.	90.	96.	91.	93.	LOW	LOW	89.9	92.	98.	95.
12 56 13		848.	96.	90.	91.	95.	91.	93.	LOW	LOW	90.2	92.	96.	91.
12 56 18		848.	98.	91.	91.	94.	89.	93.	LOW	LOW	90.5	92.	97.	93.
12 56 28		848.	98.	91.	91.	94.	93.	92.	LOW	LOW	90.8	91.	96.	95.
12 56 33		848.	99.	92.	91.	95.	92.	92.	LOW	LOW	90.8	89.	96.	95.
12 56 38		848.	99.	84.	91.	96.	92.	93.	LOW	LOW	90.2	91.	95.	95.
12 56 43		848.	99.	87.	91.	96.	92.	93.	LOW	LOW	98.2	91.	96.	95.
12 56 51		848.	95.	84.	91.	97.	92.	93.	LOW	LOW	88.9	92.	97.	95.
12 56 48		848.	96.	88.	89.	96.	92.	94.	LOW	LOW	89.9	92.	96.	95.
12 56 53		848.	98.	92.	90.	95.	92.	91.	LOW	LOW	90.2	90.	96.	98.
12 56 58		848.	98.	92.	91.	96.	92.	91.	LOW	LOW	98.5	91.	96.	96.
12 57 3		848.	98.	93.	90.	95.	93.	92.	LOW	LOW	90.2	93.	95.	96.
12 57 8		848.	97.	93.	88.	94.	92.	91.	LOW	LOW	98.5	93.	96.	96.
13 22 20		848.	100.	95.	90.	99.	93.	95.	LOW	LOW	91.5	94.	99.	97.
13 22 25		848.	100.	93.	90.	97.	96.	96.	LOW	LOW	90.5	93.	100.	98.
13 22 38		848.	100.	97.	92.	91.	100.	99.	LOW	LOW	90.8	92.	92.	98.
13 22 35		848.	102.	96.	92.	90.	100.	98.	LOW	LOW	91.5	88.	92.	98.
13 22 40		848.	99.	93.	84.	93.	107.	103.	LOW	LOW	94.8	94.	95.	97.
13 22 45		848.	100.	93.	89.	93.	108.	102.	LOW	LOW	94.8	96.	95.	97.
13 22 50		848.	102.	95.	95.	93.	110.	105.	LOW	LOW	95.4	93.	95.	99.
13 23 0		848.	102.	97.	95.	95.	110.	105.	LOW	LOW	95.1	93.	95.	100.
13 23 5		848.	102.	98.	98.	96.	114.	110.	LOW	LOW	95.4	95.	99.	100.
13 23 5		848.	103.	99.	99.	98.	115.	118.	LOW	LOW	96.4	96.	108.	101.
13 23 18		848.	106.	95.	100.	106.	119.	111.	LOW	LOW	94.1	100.	105.	105.
13 24 43		848.	103.	99.	117.	123.	122.	118.	LOW	LOW	97.7	120.	126.	128.
13 24 48		848.	106.	105.	136.	132.	123.	121.	LOW	LOW	101.3	148.	147.	138.
13 24 61		848.	106.	100.	134.	137.	122.	118.	LOW	LOW	102.6	142.	147.	136.
13 24 58		848.	105.	104.	136.	141.	123.	121.	LOW	LOW	107.1	158.	152.	139.
13 25 3		848.	103.	102.	132.	147.	126.	118.	LOW	LOW	104.2	158.	155.	142.
13 65 8		848.	90.	100.	134.	158.	131.	131.	LOW	LOW	106.5	159.	161.	147.
13 25 13		848.	95.	102.	134.	152.	128.	127.	LOW	LOW	106.8	159.	161.	148.
13 25 18		848.	98.	102.	131.	157.	126.	130.	LOW	LOW	98.8	160.	165.	145.
13 25 23		848.	99.	99.	137.	159.	130.	132.	LOW	LOW	105.8	165.	169.	149.
13 25 28		848.	103.	101.	145.	157.	128.	128.	LOW	LOW	116.8	162.	173.	168.
13 25 33		848.	101.	98.	145.	159.	131.	131.	LOW	LOW	114.2	169.	176.	161.
13 25 43		848.	101.	95.	135.	164.	126.	130.	LOW	LOW	100.6	172.	167.	156.
13 65 48		848.	103.	101.	137.	164.	127.	126.	LOW	LOW	101.9	171.	178.	156.
13 25 53		848.	99.	106.	143.	164.	127.	128.	LOW	LOW	108.4	171.	176.	156.
13 25 58		848.	102.	106.	142.	163.	126.	127.	LOW	LOW	109.7	173.	177.	158.
13 25 58		848.	106.	106.	143.	163.	127.	124.	LOW	LOW	112.3	177.	182.	165.
13 26 3		848.	104.	105.	142.	167.	129.	127.	LOW	LOW	108.7	175.	183.	162.
13 26 8		848.	105.	106.	147.	167.	128.	124.	LOW	LOW	112.3	183.	188.	166.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COULER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	SF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13 26 13	848.	104.	104.	152.	171.	131.	126.	LOW	LOW	117.8	186.	191.	169.
13 26 18	848.	101.	97.	155.	180.	137.	134.	LOW	LOW	118.1	191.	199.	172.
13 26 23	848.	99.	99.	154.	182.	137.	134.	LOW	LOW	114.6	193.	197.	174.
13 26 29	848.	106.	107.	148.	176.	129.	126.	LOW	LOW	111.0	187.	192.	172.
13 26 34	848.	102.	103.	154.	180.	134.	131.	LOW	LOW	116.5	194.	198.	177.
13 26 39	848.	97.	96.	160.	186.	140.	136.	LOW	LOW	117.5	200.	205.	180.
13 26 44	848.	102.	103.	157.	184.	135.	131.	LOW	LOW	114.9	196.	202.	178.
13 26 49	848.	106.	108.	154.	184.	130.	127.	LOW	LOW	114.2	194.	199.	180.
13 26 54	848.	101.	103.	160.	188.	135.	130.	LOW	LOW	116.8	202.	205.	184.
13 26 59	848.	103.	107.	151.	187.	128.	132.	LOW	LOW	111.0	199.	203.	182.
13 27 4	848.	103.	105.	156.	188.	132.	132.	LOW	LOW	110.0	208.	205.	184.
13 27 9	848.	103.	109.	157.	188.	132.	127.	LOW	LOW	112.9	198.	204.	185.
13 27 14	848.	105.	106.	159.	187.	131.	127.	LOW	LOW	115.9	201.	206.	187.
13 27 19	848.	103.	101.	174.	187.	137.	132.	LOW	LOW	127.2	216.	214.	208.
13 27 24	848.	104.	103.	171.	186.	131.	132.	LOW	LOW	127.5	214.	214.	198.
13 27 29	849.	108.	101.	167.	180.	131.	129.	LOW	LOW	120.1	206.	211.	192.
13 27 34	848.	105.	100.	171.	184.	135.	127.	LOW	LOW	124.3	210.	215.	198.
13 27 39	849.	100.	103.	170.	191.	136.	135.	LOW	LOW	115.5	214.	214.	200.
13 27 44	849.	98.	100.	176.	193.	139.	137.	LOW	LOW	120.1	218.	217.	202.
13 27 49	848.	95.	102.	180.	196.	139.	137.	LOW	LOW	114.9	216.	220.	201.
13 27 54	848.	100.	103.	179.	192.	138.	133.	LOW	LOW	122.0	215.	221.	203.
13 27 59	848.	108.	104.	178.	191.	137.	132.	LOW	LOW	113.6	212.	219.	202.
13 28 4	848.	105.	103.	179.	192.	138.	135.	LOW	LOW	115.5	213.	220.	204.
13 28 9	848.	107.	103.	184.	183.	126.	127.	LOW	LOW	125.9	215.	219.	206.
13 28 19	848.	101.	101.	188.	190.	134.	130.	LOW	LOW	127.5	220.	223.	207.
13 28 24	848.	103.	106.	180.	194.	135.	134.	LOW	LOW	113.6	216.	219.	205.
13 28 29	848.	106.	108.	182.	190.	133.	132.	LOW	LOW	117.5	215.	218.	205.
13 28 34	848.	99.	103.	190.	197.	139.	135.	LOW	LOW	116.8	219.	224.	210.
13 28 34	848.	99.	102.	191.	197.	139.	135.	LOW	LOW	118.4	220.	224.	204.
13 28 39	848.	99.	97.	199.	199.	145.	136.	LOW	LOW	129.1	226.	230.	217.
13 28 44	848.	99.	97.	199.	193.	143.	135.	LOW	LOW	130.4	226.	231.	217.
13 28 49	848.	97.	99.	198.	198.	141.	138.	LOW	LOW	125.2	226.	231.	214.
13 28 54	848.	102.	103.	194.	194.	139.	135.	LOW	LOW	122.3	221.	226.	211.
13 28 59	848.	97.	106.	193.	196.	139.	132.	LOW	LOW	118.1	224.	223.	218.
13 29 5	848.	101.	103.	197.	194.	140.	132.	LOW	LOW	126.5	224.	224.	215.
13 29 18	848.	98.	97.	202.	206.	147.	139.	LOW	LOW	127.8	229.	231.	217.
13 29 15	848.	104.	96.	198.	198.	139.	135.	LOW	LOW	123.9	224.	225.	215.
13 29 20	848.	95.	100.	199.	209.	145.	139.	LOW	LOW	127.8	238.	232.	219.
13 29 25	848.	95.	100.	199.	207.	143.	139.	LOW	LOW	128.1	230.	225.	221.
13 29 30	848.	94.	98.	203.	203.	147.	139.	LOW	LOW	128.5	234.	232.	223.
13 29 35	848.	95.	98.	203.	203.	147.	139.	LOW	LOW	127.8	234.	233.	222.
13 29 40	848.	102.	106.	196.	201.	140.	136.	LOW	LOW	120.1	225.	226.	216.
13 29 45	845.	105.	105.	196.	197.	138.	133.	LOW	LOW	126.9	225.	228.	218.
13 29 50	848.	95.	97.	207.	205.	147.	141.	LOW	LOW	131.1	233.	236.	222.
13 29 55	848.	93.	97.	207.	199.	146.	140.	LOW	LOW	133.3	234.	238.	224.
13 30 0	848.	95.	98.	206.	202.	145.	138.	LOW	LOW	134.9	237.	237.	220.
13 30 5	848.	100.	104.	202.	201.	141.	135.	LOW	LOW	131.7	231.	231.	219.
13 30 10	849.	101.	101.	203.	205.	143.	139.	LOW	LOW	124.6	233.	233.	221.
13 30 15	843.	101.	98.	206.	203.	145.	137.	LOW	LOW	130.4	231.	236.	225.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13													
13 30 20	835.	96.	97.	207.	205.	147.	141.	LOW	LOW	134.9	236.	240.	226.
13 30 25	841.	101.	104.	203.	201.	144.	139.	LOW	LOW	129.8	231.	235.	222.
13 30 30	848.	106.	102.	204.	198.	142.	134.	LOW	LOW	136.9	231.	239.	224.
13 30 35	848.	106.	103.	203.	198.	141.	134.	LOW	LOW	138.2	232.	237.	223.
13 30 40	844.	97.	96.	207.	198.	141.	142.	LOW	LOW	134.3	238.	241.	226.
13 30 45	844.	102.	103.	203.	193.	139.	136.	LOW	LOW	133.3	234.	237.	224.
13 30 55	848.	97.	100.	210.	203.	146.	138.	LOW	LOW	137.5	239.	242.	229.
13 31 0	848.	102.	102.	208.	201.	143.	136.	LOW	LOW	136.9	237.	238.	228.
13 31 5	848.	95.	98.	207.	207.	146.	141.	LOW	LOW	132.4	239.	239.	224.
13 31 10	848.	95.	99.	206.	209.	147.	140.	LOW	LOW	131.4	239.	240.	225.
13 31 15	848.	103.	100.	209.	201.	145.	137.	LOW	LOW	142.1	237.	240.	233.
13 31 15	848.	104.	101.	209.	201.	147.	136.	LOW	LOW	140.4	236.	241.	230.
13 31 20	848.	99.	101.	205.	204.	144.	139.	LOW	LOW	130.4	237.	239.	224.
13 31 25	848.	102.	103.	206.	202.	143.	136.	LOW	LOW	133.6	236.	238.	226.
13 31 30	848.	100.	98.	211.	208.	149.	138.	LOW	LOW	137.5	239.	244.	229.
13 31 35	848.	97.	99.	211.	210.	147.	138.	LOW	LOW	132.0	237.	242.	226.
13 31 40	848.	104.	106.	211.	217.	143.	133.	LOW	LOW	123.9	233.	232.	229.
13 32 17	848.	105.	109.	210.	214.	141.	130.	LOW	LOW	128.1	232.	233.	226.
13 32 22	848.	106.	113.	214.	212.	138.	116.	LOW	LOW	129.1	229.	232.	223.
13 32 35	848.	102.	106.	215.	216.	141.	126.	LOW	LOW	133.3	236.	238.	227.
13 32 32	848.	105.	100.	216.	216.	145.	132.	LOW	LOW	142.1	236.	242.	226.
13 32 37	848.	101.	99.	223.	219.	147.	134.	LOW	LOW	140.4	238.	243.	227.
13 32 42	848.	97.	100.	221.	223.	149.	137.	LOW	LOW	136.2	244.	243.	233.
13 32 47	843.	102.	103.	219.	218.	146.	134.	LOW	LOW	138.8	240.	241.	230.
13 32 57	834.	90.	101.	219.	222.	148.	144.	LOW	LOW	136.9	240.	242.	228.
13 33 2	841.	99.	102.	219.	218.	145.	139.	LOW	LOW	140.8	239.	242.	229.
13 33 2	841.	105.	107.	218.	216.	141.	134.	LOW	LOW	129.8	231.	235.	223.
13 33 7	835.	103.	106.	217.	215.	143.	133.	LOW	LOW	138.2	236.	239.	226.
13 33 12	838.	97.	100.	222.	226.	147.	140.	LOW	LOW	133.6	239.	239.	226.
13 33 17	835.	103.	104.	219.	220.	144.	136.	LOW	LOW	133.6	234.	237.	224.
13 33 27	826.	106.	107.	216.	209.	141.	128.	LOW	LOW	151.8	235.	239.	230.
13 33 33	819.	102.	105.	218.	214.	141.	132.	LOW	LOW	144.3	237.	238.	228.
13 33 38	812.	108.	108.	216.	212.	141.	130.	LOW	LOW	140.8	235.	239.	226.
13 33 51	813.	109.	108.	216.	211.	140.	131.	LOW	LOW	137.5	232.	236.	224.
13 73 48	831.	98.	103.	219.	221.	147.	137.	LOW	LOW	134.3	238.	239.	228.
13 33 53	835.	104.	106.	217.	216.	143.	134.	LOW	LOW	137.5	236.	237.	226.
13 33 53	844.	110.	112.	211.	211.	138.	128.	LOW	LOW	137.5	232.	234.	224.
13 33 58	833.	108.	109.	215.	213.	141.	131.	LOW	LOW	142.1	235.	237.	226.
13 34 3	824.	101.	102.	224.	218.	147.	135.	LOW	LOW	149.2	242.	240.	233.
13 34 8	821.	100.	100.	222.	218.	147.	135.	LOW	LOW	148.9	242.	242.	232.
13 34 13	812.	107.	100.	220.	217.	143.	134.	LOW	LOW	149.2	238.	242.	229.
13 34 18	823.	105.	102.	222.	216.	146.	133.	LOW	LOW	149.5	239.	242.	233.
13 34 23	819.	103.	107.	209.	220.	143.	135.	LOW	LOW	135.6	234.	237.	223.
13 34 29	819.	101.	105.	217.	220.	146.	136.	LOW	LOW	141.4	238.	241.	229.
13 34 42	815.	105.	107.	214.	221.	141.	134.	LOW	LOW	135.6	232.	237.	221.
13 34 39	816.	107.	109.	214.	218.	142.	131.	LOW	LOW	139.8	233.	236.	224.
13 34 44	810.	105.	110.	212.	209.	142.	130.	LOW	LOW	138.8	227.	235.	228.
13 34 49	819.	102.	107.	217.	215.	145.	133.	LOW	LOW	137.2	233.	236.	223.
13 34 54	840.	105.	101.	227.	216.	141.	135.	LOW	LOW	150.5	238.	244.	230.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13 34 59	823.	104.	103.	222.	219.	141.	135.	LOW	LOW	143.8	238.	239.	228.
13 35 4	811.	98.	104.	224.	223.	148.	137.	LOW	LOW	133.6	237.	240.	226.
13 35 9	830.	99.	104.	224.	222.	150.	137.	LOW	LOW	134.6	238.	240.	225.
13 35 14	808.	107.	108.	219.	216.	160.	133.	LOW	LOW	149.8	236.	240.	227.
13 35 19	805.	106.	107.	218.	216.	164.	134.	LOW	LOW	151.1	238.	243.	228.
13 35 24	791.	99.	103.	219.	221.	174.	141.	LOW	LOW	138.2	239.	240.	224.
13 35 29	812.	101.	105.	220.	219.	167.	142.	LOW	LOW	137.2	237.	234.	224.
13 35 34	833.	104.	103.	219.	217.	167.	144.	LOW	LOW	151.1	239.	244.	235.
13 35 39	819.	102.	101.	220.	218.	170.	147.	LOW	LOW	151.8	241.	245.	233.
13 55 44	802.	110.	110.	215.	213.	163.	143.	LOW	LOW	144.0	236.	229.	225.
13 51 26	825.	110.	111.	217.	218.	159.	145.	LOW	LOW	147.9	239.	234.	228.
13 51 26	824.	110.	111.	224.	223.	152.	142.	LOW	LOW	169.9	242.	244.	235.
13 51 31	795.	112.	116.	223.	223.	151.	148.	LOW	LOW	164.1	239.	241.	231.
13 51 36	769.	95.	106.	228.	229.	158.	149.	LOW	LOW	169.2	249.	239.	233.
13 51 41	767.	101.	107.	230.	225.	158.	146.	LOW	LOW	170.5	247.	244.	235.
13 51 46	741.	109.	114.	217.	227.	156.	144.	LOW	LOW	153.7	246.	242.	226.
13 51 51	738.	111.	112.	223.	224.	156.	143.	LOW	LOW	161.8	244.	243.	231.
13 51 57	722.	110.	112.	226.	226.	150.	139.	LOW	LOW	167.3	248.	244.	231.
13 52 2	737.	111.	113.	227.	223.	151.	138.	LOW	LOW	167.3	241.	244.	231.
13 52 15	715.	114.	112.	229.	216.	152.	139.	LOW	LOW	169.9	241.	244.	231.
13 52 12	725.	110.	106.	229.	222.	155.	143.	LOW	LOW	168.6	245.	246.	234.
13 52 17	731.	107.	110.	221.	226.	161.	145.	LOW	LOW	157.6	242.	242.	231.
13 52 22	720.	109.	110.	225.	225.	157.	143.	LOW	LOW	163.4	243.	244.	233.
13 52 35	709.	115.	117.	214.	221.	150.	137.	LOW	LOW	157.6	235.	234.	228.
13 52 32	705.	107.	114.	218.	225.	152.	148.	LOW	LOW	156.3	239.	239.	228.
13 52 37	702.	108.	106.	231.	221.	156.	142.	LOW	LOW	169.9	245.	247.	236.
13 52 42	694.	106.	103.	228.	226.	158.	145.	LOW	LOW	168.3	246.	248.	232.
13 52 47	715.	108.	110.	221.	231.	157.	143.	LOW	LOW	152.4	239.	245.	235.
13 52 52	716.	105.	109.	223.	231.	159.	141.	LOW	LOW	158.6	242.	246.	235.
13 52 57	734.	100.	107.	224.	231.	156.	147.	LOW	LOW	163.4	244.	247.	233.
13 53 2	715.	105.	107.	222.	229.	156.	145.	LOW	LOW	158.6	245.	245.	230.
13 53 7	692.	109.	115.	219.	224.	153.	141.	LOW	LOW	156.9	242.	245.	230.
13 57 20	754.	108.	115.	220.	224.	154.	141.	LOW	LOW	156.9	242.	245.	231.
13 57 38	768.	110.	100.	219.	226.	152.	143.	LOW	LOW	158.9	240.	245.	231.
13 57 35	750.	107.	106.	219.	226.	154.	145.	LOW	LOW	162.8	246.	246.	233.
13 57 48	711.	119.	116.	221.	212.	141.	139.	LOW	LOW	156.9	237.	248.	226.
13 57 40	705.	114.	115.	216.	215.	147.	141.	LOW	LOW	158.2	241.	243.	230.
13 57 45	724.	103.	292.	209.	216.	158.	145.	LOW	LOW	169.2	253.	250.	238.
13 57 50	708.	108.	523.	211.	209.	154.	142.	LOW	LOW	170.2	249.	249.	239.
13 58 0	670.	112.	843.	207.	203.	154.	146.	LOW	LOW	173.1	249.	254.	229.
13 58 0	688.	114.	848.	201.	195.	153.	139.	LOW	LOW	170.5	248.	251.	234.
13 58 5	696.	110.	848.	194.	191.	152.	143.	LOW	LOW	175.7	253.	254.	242.
13 58 10	682.	108.	814.	193.	194.	155.	145.	LOW	LOW	167.9	253.	256.	241.
13 58 15	681.	117.	848.	183.	183.	155.	141.	LOW	LOW	169.9	249.	256.	242.
13 58 20	679.	111.	848.	188.	188.	156.	144.	LOW	LOW	164.1	252.	256.	242.
13 58 25	661.	118.	848.	181.	183.	152.	137.	LOW	LOW	156.9	250.	253.	242.
13 58 31	674.	116.	848.	183.	185.	153.	138.	LOW	LOW	163.4	253.	255.	243.
13 58 36	684.	117.	848.	183.	185.	153.	137.	LOW	LOW	163.4	254.	257.	246.
13 58 41	676.	117.	848.	182.	184.	152.	138.	LOW	LOW	160.5	253.	259.	245.

TIME H/M/S	EC 91 MAINT CON UT	AF 15 TEMP FUEL INLET HYD COOLER UTL	AF 16 TEMP FUEL OUTLET HYD COOLER UTL	AF 19 TEMP OIL OUTLET FUELOL COOLER L/HENG	AF 20 TEMP OIL OUTLET A/B COOLER L/HENG	SP 3 TEMP HYD OIL OUTLET UTL PUMP	SP 7 TEMP HYD OIL OUTLET PRIMRY PUMP	AF 7 TEMP FUEL INLET MAIN FUELCT L/HENG	AF 8 TEMP FUEL MAIN CONTRL OUTLET L/HENG	AF 9 TEMP FUEL INLET A/B FUELCT L/HENG	AF 22 TEMP OIL TANK L/HENG	AF 27 TEMP OIL INLET AIR-OL COOLER L/HENG	AF 28 TEMP OIL OUTLET AIR-OL COOLER L/HENG
13 58 46	669.	111.	848.	191.	193.	156.	147.	LOW	LOW	149.8	258.	261.	244.
13 58 51	658.	108.	848.	191.	195.	159.	148.	LOW	LOW	154.4	259.	264.	249.
13 58 56	662.	106.	110.	227.	233.	161.	148.	LOW	LOW	155.8	261.	265.	254.
13 59 1	662.	111.	115.	233.	229.	155.	143.	LOW	LOW	155.8	259.	264.	253.
13 59 6	659.	104.	110.	247.	233.	156.	145.	LOW	LOW	164.1	265.	268.	256.
13 59 11	669.	107.	112.	248.	239.	156.	145.	LOW	LOW	155.3	264.	266.	253.
13 59 16	688.	117.	121.	232.	231.	148.	138.	LOW	LOW	154.4	257.	257.	247.
13 59 21	692.	119.	122.	234.	235.	148.	137.	LOW	LOW	155.8	257.	253.	248.
14 6 3	672.	115.	121.	232.	235.	149.	137.	LOW	LOW	151.1	256.	257.	253.
14 6 8	732.	121.	121.	232.	234.	151.	138.	LOW	LOW	156.6	251.	253.	248.
14 6 13	759.	119.	122.	233.	239.	154.	145.	LOW	LOW	162.1	249.	248.	242.
14 6 18	748.	117.	120.	233.	240.	154.	149.	LOW	LOW	162.8	251.	251.	246.
14 6 23	722.	117.	119.	232.	244.	154.	154.	LOW	LOW	162.1	254.	254.	249.
14 6 23	721.	121.	121.	236.	241.	151.	151.	LOW	LOW	162.1	249.	252.	248.
14 6 33	713.	116.	118.	246.	238.	159.	152.	LOW	LOW	179.6	255.	258.	239.
14 6 33	731.	120.	117.	244.	236.	157.	149.	LOW	LOW	173.4	251.	257.	242.
14 46 38	712.	110.	112.	244.	244.	162.	156.	LOW	LOW	169.9	257.	262.	257.
45 85 85	709.	115.	113.	243.	243.	161.	155.	LOW	LOW	173.4	257.	260.	257.
14 13 14	682.	115.	121.	223.	239.	158.	147.	39.8	LOW	164.7	254.	255.	242.
14 13 19	669.	121.	122.	233.	231.	153.	142.	*00000.0	LOW	174.1	253.	255.	243.
14 53 24	648.	117.	116.	233.	231.	158.	141.	LOW	LOW	185.4	260.	264.	249.
14 13 29	632.	119.	122.	227.	230.	153.	142.	LOW	LOW	173.1	253.	256.	242.
14 13 29	631.	132.	128.	240.	219.	146.	135.	LOW	LOW	177.0	247.	251.	240.
14 13 34	627.	122.	122.	235.	229.	153.	142.	LOW	LOW	175.4	254.	256.	245.
0 0 0	620.	116.	109.	235.	237.	160.	147.	LOW	LOW	182.8	261.	264.	251.
45 85 85	615.	115.	113.	233.	239.	161.	147.	LOW	LOW	180.6	261.	263.	245.
45 85 85	638.	123.	125.	229.	224.	150.	136.	LOW	LOW	182.8	253.	256.	244.
14 16 0	648.	129.	128.	228.	226.	146.	136.	LOW	LOW	172.1	248.	252.	239.
14 16 5	622.	129.	123.	241.	242.	158.	143.	LOW	LOW	164.1	249.	248.	235.
14 16 10	622.	122.	119.	235.	239.	155.	148.	LOW	LOW	168.6	258.	251.	241.
14 16 15	631.	124.	123.	240.	237.	152.	137.	LOW	LOW	171.2	253.	254.	247.
14 16 21	626.	124.	124.	239.	236.	154.	137.	LOW	LOW	171.8	252.	253.	246.
14 16 26	624.	123.	125.	240.	239.	157.	136.	151.8	LOW	169.2	251.	254.	245.
14 16 31	618.	123.	126.	240.	238.	156.	138.	*00000.0	LOW	167.9	251.	253.	246.
14 16 36	623.	123.	125.	240.	235.	154.	131.	LOW	LOW	166.0	250.	252.	244.
45 85 85	620.	123.	122.	239.	233.	154.	131.	LOW	LOW	164.7	250.	252.	244.
45 85 85	647.	126.	125.	235.	223.	151.	138.	LOW	LOW	165.4	249.	247.	242.
14 18 21	626.	124.	124.	224.	217.	155.	141.	LOW	LOW	164.1	246.	240.	236.
14 18 27	597.	123.	123.	213.	209.	163.	140.	LOW	LOW	163.4	239.	235.	228.
14 18 32	613.	124.	122.	213.	209.	160.	143.	LOW	LOW	163.7	239.	236.	228.
14 18 37	603.	123.	124.	213.	209.	157.	147.	LOW	LOW	162.8	238.	234.	228.
14 18 42	602.	124.	123.	212.	208.	157.	146.	LOW	LOW	163.1	238.	233.	228.
14 18 55	597.	124.	125.	210.	208.	159.	136.	LOW	LOW	156.9	239.	232.	228.
14 18 52	598.	124.	125.	211.	203.	159.	141.	LOW	LOW	159.9	239.	231.	229.
14 18 57	590.	122.	124.	210.	207.	157.	147.	LOW	LOW	163.4	239.	231.	227.
14 19 2	601.	122.	124.	211.	207.	158.	147.	LOW	LOW	163.1	238.	232.	228.
14 19 7	629.	117.	122.	210.	207.	161.	143.	LOW	LOW	162.1	239.	231.	226.
0 1 12	613.	119.	123.	210.	207.	161.	144.	LOW	LOW	162.4	237.	230.	226.

C COMMUTATOR

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBO FWD STA650	PR 10 TEMP L/HENG COMPT OUTBO FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
12 55 53	100.	95.	105.	107.	117.	101.	92.	08.	100.	96.	127.	125.	122.
12 55 58	108.	95.	104.	106.	117.	102.	94.	92.	108.	96.	127.	122.	122.
12 56 3	100.	95.	103.	106.	117.	102.	91.	97.	99.	95.	127.	120.	121.
12 56 8	108.	95.	103.	106.	117.	102.	91.	95.	108.	36.	127.	120.	121.
12 56 13	108.	97.	105.	106.	116.	102.	91.	93.	99.	96.	127.	121.	124.
12 56 18	108.	94.	104.	106.	117.	102.	91.	91.	100.	97.	128.	119.	122.
12 56 20	100.	95.	105.	107.	116.	102.	06.	93.	100.	95.	120.	118.	121.
12 56 33	108.	95.	105.	107.	116.	102.	89.	94.	108.	97.	128.	118.	121.
12 56 38	100.	95.	105.	107.	117.	101.	90.	92.	101.	97.	128.	120.	121.
12 56 43	101.	95.	105.	107.	118.	101.	90.	92.	101.	97.	129.	128.	121.
12 56 51	100.	95.	100.	106.	118.	103.	86.	94.	98.	97.	127.	120.	128.
12 56 48	108.	94.	102.	106.	118.	102.	09.	94.	97.	97.	127.	119.	124.
12 56 53	108.	95.	95.	106.	118.	101.	91.	92.	101.	99.	128.	119.	116.
12 56 58	108.	95.	99.	106.	117.	102.	91.	98.	101.	98.	128.	119.	118.
12 57 3	108.	95.	105.	107.	118.	100.	91.	93.	101.	97.	128.	125.	121.
12 57 8	109.	95.	104.	107.	118.	101.	91.	93.	100.	98.	127.	122.	118.
13 22 20	108.	98.	103.	106.	109.	101.	93.	94.	107.	107.	116.	111.	113.
13 22 25	108.	99.	104.	106.	110.	100.	92.	94.	108.	107.	116.	112.	113.
13 22 38	108.	97.	103.	105.	112.	99.	93.	97.	112.	112.	115.	112.	114.
13 22 35	109.	99.	103.	106.	111.	100.	92.	97.	112.	112.	114.	113.	114.
13 22 40	108.	99.	105.	107.	111.	100.	95.	99.	109.	107.	115.	113.	114.
13 22 45	109.	100.	105.	107.	113.	102.	95.	102.	111.	109.	115.	113.	114.
13 22 50	110.	101.	106.	109.	113.	105.	97.	105.	112.	105.	116.	115.	112.
13 23 0	109.	103.	103.	109.	112.	105.	97.	106.	112.	108.	115.	111.	113.
13 23 5	105.	105.	105.	108.	111.	106.	100.	100.	113.	112.	114.	114.	114.
13 23 5	107.	105.	106.	109.	113.	100.	100.	109.	115.	112.	114.	111.	114.
13 23 18	109.	106.	105.	110.	114.	111.	103.	112.	112.	110.	113.	112.	113.
13 24 43	112.	112.	111.	115.	117.	129.	116.	117.	119.	115.	113.	112.	114.
13 24 48	117.	117.	118.	119.	123.	150.	129.	123.	124.	120.	114.	111.	112.
13 24 61	117.	119.	117.	121.	125.	149.	129.	123.	123.	120.	113.	112.	112.
13 24 58	117.	123.	116.	123.	127.	156.	128.	125.	124.	119.	112.	111.	112.
13 25 3	112.	117.	115.	118.	124.	150.	129.	125.	127.	121.	113.	112.	114.
13 65 8	106.	108.	107.	114.	125.	144.	143.	122.	125.	122.	116.	113.	114.
13 25 13	113.	116.	113.	119.	128.	151.	141.	124.	124.	120.	114.	112.	113.
13 25 18	110.	114.	106.	118.	125.	151.	136.	132.	128.	125.	115.	116.	116.
13 25 23	110.	115.	109.	115.	129.	156.	143.	125.	127.	123.	114.	114.	115.
13 25 28	116.	121.	116.	121.	134.	169.	149.	120.	125.	117.	112.	111.	112.
13 25 33	115.	120.	114.	117.	133.	160.	151.	121.	126.	118.	112.	111.	112.
13 25 43	106.	115.	111.	117.	128.	155.	144.	131.	130.	128.	115.	115.	109.
13 65 48	108.	116.	112.	128.	139.	157.	142.	132.	130.	127.	113.	111.	111.
13 25 53	111.	119.	117.	123.	132.	164.	142.	131.	134.	116.	112.	113.	114.
13 25 58	112.	120.	117.	123.	133.	166.	145.	131.	131.	121.	113.	112.	113.
13 25 58	115.	122.	117.	127.	136.	166.	149.	132.	116.	123.	111.	110.	111.
13 26 3	111.	120.	114.	122.	133.	166.	140.	134.	125.	126.	111.	111.	112.
13 26 8	115.	123.	121.	125.	140.	173.	156.	130.	127.	123.	108.	112.	112.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET JTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 90 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/M STA687	AF 38 TEMP SKIN MASS TAIL R/M ST687
14													
13 26 13	116.	123.	120.	123.	140.	176.	150.	127.	120.	121.	109.	111.	112.
13 26 18	116.	120.	116.	116.	136.	176.	166.	124.	130.	121.	112.	112.	112.
13 26 23	112.	116.	113.	114.	137.	174.	164.	127.	132.	126.	113.	113.	114.
13 26 29	116.	121.	117.	126.	137.	172.	162.	131.	132.	125.	108.	112.	114.
13 26 34	116.	121.	117.	121.	130.	175.	166.	126.	132.	125.	106.	112.	116.
13 26 39	116.	116.	115.	119.	139.	178.	169.	128.	134.	127.	111.	111.	113.
13 26 44	114.	118.	116.	123.	138.	177.	164.	132.	134.	127.	112.	112.	113.
13 26 49	113.	122.	117.	127.	139.	176.	161.	137.	134.	127.	112.	113.	185.
13 26 54	116.	123.	117.	125.	141.	177.	169.	131.	131.	124.	111.	112.	188.
13 26 59	109.	117.	116.	118.	130.	174.	163.	141.	136.	130.	113.	114.	114.
13 27 4	107.	116.	115.	118.	131.	175.	163.	138.	139.	131.	113.	113.	114.
13 27 9	110.	121.	116.	123.	136.	170.	165.	139.	135.	129.	111.	112.	114.
13 27 14	112.	123.	118.	124.	138.	182.	168.	138.	133.	127.	112.	112.	113.
13 27 19	118.	125.	119.	123.	145.	193.	181.	124.	132.	121.	110.	108.	111.
13 27 24	118.	128.	120.	125.	146.	192.	180.	130.	129.	122.	111.	109.	111.
13 27 29	111.	122.	120.	121.	138.	185.	176.	139.	137.	129.	113.	110.	112.
13 27 34	116.	124.	120.	122.	142.	191.	182.	134.	131.	126.	111.	109.	112.
13 27 39	108.	115.	113.	114.	136.	180.	103.	138.	139.	136.	115.	113.	108.
13 27 44	110.	119.	115.	114.	138.	187.	187.	136.	138.	132.	111.	112.	110.
13 27 49	108.	117.	112.	110.	138.	178.	198.	136.	143.	131.	111.	111.	115.
13 27 54	113.	122.	117.	116.	140.	188.	191.	135.	138.	126.	111.	111.	113.
13 27 59	107.	118.	115.	115.	134.	180.	182.	143.	146.	126.	114.	112.	114.
13 28 4	107.	117.	113.	113.	133.	102.	186.	140.	145.	131.	113.	112.	115.
13 28 9	120.	125.	122.	126.	142.	178.	191.	138.	137.	128.	111.	111.	108.
13 28 19	119.	123.	120.	122.	144.	187.	190.	134.	135.	127.	103.	111.	109.
13 28 24	100.	117.	114.	113.	135.	107.	192.	145.	142.	134.	113.	113.	113.
13 28 29	109.	119.	116.	115.	135.	190.	190.	145.	142.	132.	112.	113.	113.
13 28 34	106.	114.	112.	111.	132.	191.	191.	137.	147.	131.	114.	114.	114.
13 28 34	104.	114.	108.	110.	139.	191.	193.	130.	147.	134.	113.	113.	114.
13 28 39	114.	121.	117.	116.	143.	199.	207.	126.	139.	128.	110.	110.	108.
13 28 44	115.	121.	110.	115.	144.	199.	200.	130.	138.	129.	110.	112.	109.
13 28 49	112.	117.	110.	110.	139.	190.	202.	138.	144.	136.	111.	110.	112.
13 28 54	110.	118.	112.	111.	136.	196.	197.	143.	143.	136.	112.	111.	112.
13 29 59	108.	116.	114.	112.	136.	105.	199.	143.	147.	139.	114.	108.	112.
13 29 5	113.	121.	117.	116.	140.	195.	204.	139.	141.	132.	110.	105.	111.
13 29 10	114.	118.	116.	111.	141.	199.	205.	139.	145.	136.	110.	111.	112.
13 29 15	110.	110.	116.	111.	137.	196.	203.	144.	145.	134.	111.	111.	111.
13 29 20	112.	121.	112.	111.	141.	197.	209.	139.	139.	136.	112.	111.	112.
13 29 25	111.	120.	113.	112.	141.	198.	209.	138.	140.	136.	111.	114.	112.
13 29 30	116.	123.	110.	110.	145.	207.	210.	130.	130.	132.	110.	110.	110.
13 29 35	112.	124.	117.	116.	143.	206.	212.	130.	138.	132.	110.	108.	111.
13 29 40	107.	110.	115.	114.	134.	194.	202.	148.	147.	139.	113.	113.	112.
13 29 45	111.	123.	118.	120.	136.	197.	205.	146.	143.	134.	112.	110.	111.
13 29 50	116.	126.	119.	110.	143.	207.	213.	141.	143.	132.	110.	111.	110.
13 29 55	117.	127.	120.	118.	144.	209.	215.	140.	142.	129.	110.	110.	111.
13 30 0	117.	126.	119.	118.	143.	205.	219.	137.	139.	131.	110.	110.	109.
13 30 5	113.	123.	118.	117.	138.	200.	211.	143.	142.	134.	110.	110.	111.
13 30 10	110.	117.	114.	111.	136.	200.	205.	147.	151.	139.	114.	112.	113.
13 30 15	114.	123.	117.	116.	140.	205.	211.	143.	145.	134.	112.	111.	112.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBO FWD STA650	PR 10 TEMP L/HENG COMPT OUTBO FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYO OIL INLET UTL PUMP	SP 9 TEMP HYO OIL UTL INLET COOLER	SP 10 TEMP HYO OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
13 30 20	114.	126.	120.	119.	142.	207.	215.	141.	145.	126.	110.	111.	110.
13 30 25	109.	123.	118.	116.	136.	203.	208.	147.	147.	132.	110.	112.	111.
13 30 30	117.	132.	123.	123.	142.	215.	214.	145.	138.	126.	110.	108.	110.
13 30 35	118.	131.	125.	124.	141.	214.	214.	145.	139.	126.	110.	109.	108.
13 30 40	114.	127.	121.	116.	143.	210.	218.	141.	143.	133.	110.	110.	111.
13 30 45	115.	128.	122.	121.	142.	209.	214.	146.	142.	133.	111.	110.	111.
13 30 55	117.	127.	121.	120.	145.	212.	222.	141.	138.	230.	110.	106.	110.
13 31 0	119.	129.	123.	122.	143.	210.	219.	143.	138.	130.	110.	107.	109.
13 31 5	111.	126.	120.	112.	139.	198.	216.	149.	145.	137.	108.	110.	112.
13 31 10	112.	125.	118.	113.	140.	202.	216.	147.	145.	138.	109.	110.	111.
13 31 15	120.	132.	122.	123.	143.	216.	218.	142.	141.	128.	110.	109.	114.
13 31 15	120.	132.	123.	123.	143.	215.	217.	142.	140.	128.	110.	108.	112.
13 31 20	106.	120.	115.	113.	132.	205.	210.	152.	152.	141.	111.	112.	108.
13 31 25	111.	127.	120.	118.	136.	210.	211.	151.	147.	135.	111.	101.	108.
13 31 30	115.	128.	123.	120.	143.	211.	221.	143.	143.	134.	108.	110.	110.
13 31 35	111.	126.	121.	118.	138.	206.	214.	144.	145.	134.	109.	110.	111.
13 31 40	110.	121.	119.	116.	132.	203.	207.	156.	149.	143.	110.	111.	111.
13 32 17	109.	122.	120.	117.	131.	204.	207.	157.	147.	139.	108.	111.	110.
13 32 22	110.	121.	119.	114.	130.	198.	205.	162.	145.	137.	110.	110.	110.
13 32 35	116.	127.	122.	117.	135.	209.	214.	149.	141.	133.	110.	108.	110.
13 32 32	120.	129.	127.	120.	134.	217.	217.	154.	138.	128.	111.	108.	110.
13 32 37	118.	128.	124.	118.	135.	214.	218.	154.	140.	132.	108.	109.	109.
13 32 42	121.	126.	118.	116.	138.	214.	221.	152.	141.	132.	108.	109.	109.
13 32 47	120.	130.	124.	117.	135.	214.	218.	158.	142.	129.	109.	109.	109.
13 32 57	114.	129.	118.	111.	134.	207.	219.	156.	145.	141.	108.	110.	110.
13 33 2	118.	132.	123.	115.	134.	212.	219.	156.	143.	135.	109.	110.	109.
13 33 2	108.	123.	121.	110.	123.	202.	205.	167.	152.	142.	110.	110.	111.
13 33 7	114.	130.	124.	116.	129.	205.	215.	160.	146.	136.	109.	110.	110.
13 33 12	114.	129.	123.	109.	130.	211.	219.	158.	149.	137.	110.	116.	112.
13 33 17	111.	129.	122.	110.	127.	205.	213.	162.	149.	138.	110.	113.	111.
13 33 27	120.	134.	130.	123.	133.	203.	217.	158.	142.	128.	110.	109.	108.
13 33 33	116.	127.	124.	116.	132.	201.	216.	160.	145.	136.	109.	110.	109.
13 33 38	118.	133.	128.	121.	132.	209.	217.	162.	139.	130.	109.	110.	108.
13 33 51	114.	129.	125.	117.	127.	206.	212.	166.	144.	134.	110.	110.	109.
13 73 48	112.	127.	119.	109.	130.	203.	216.	163.	149.	142.	108.	111.	110.
13 33 53	113.	127.	124.	113.	127.	205.	215.	164.	147.	136.	109.	110.	109.
13 33 53	112.	126.	123.	119.	125.	198.	209.	168.	147.	136.	110.	110.	105.
13 33 58	116.	129.	126.	117.	127.	207.	213.	164.	144.	131.	110.	110.	107.
13 34 3	120.	127.	127.	117.	133.	216.	221.	153.	143.	133.	108.	108.	108.
13 34 8	120.	128.	127.	116.	135.	212.	223.	150.	142.	132.	107.	110.	107.
13 34 13	116.	132.	130.	118.	128.	212.	219.	161.	142.	128.	110.	109.	109.
13 34 18	119.	133.	130.	113.	130.	213.	220.	158.	142.	130.	110.	109.	109.
13 34 23	105.	125.	121.	110.	125.	200.	210.	172.	151.	139.	110.	111.	95.
13 34 29	110.	128.	123.	112.	127.	206.	216.	164.	148.	138.	109.	110.	108.
13 34 42	107.	128.	121.	112.	121.	199.	207.	173.	149.	141.	109.	110.	110.
13 34 39	111.	130.	123.	114.	124.	200.	208.	171.	148.	138.	109.	110.	109.
13 34 44	107.	128.	121.	114.	122.	202.	206.	172.	151.	138.	109.	111.	110.
13 34 49	110.	129.	121.	112.	126.	202.	210.	159.	152.	144.	108.	110.	111.
13 34 54	119.	138.	125.	117.	131.	216.	220.	162.	144.	128.	108.	109.	108.

14

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 16 TEMP HYD OIL INLET JTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
13 34 59	114.	132.	124.	111.	128.	207.	217.	166.	148.	137.	108.	110.	109.
13 35 4	108.	130.	120.	106.	125.	205.	212.	169.	152.	139.	109.	105.	110.
13 35 9	111.	131.	123.	108.	126.	208.	213.	169.	152.	141.	109.	108.	111.
13 35 14	119.	136.	130.	119.	125.	214.	214.	165.	145.	127.	110.	108.	108.
13 35 19	117.	137.	130.	120.	127.	211.	210.	165.	144.	127.	109.	109.	108.
13 35 24	106.	127.	121.	106.	122.	204.	215.	169.	147.	140.	110.	112.	111.
13 35 29	108.	126.	121.	107.	123.	204.	211.	170.	152.	145.	109.	112.	111.
13 35 34	120.	139.	131.	119.	128.	216.	223.	163.	147.	139.	106.	109.	112.
13 35 39	117.	135.	128.	114.	127.	214.	224.	163.	151.	140.	107.	108.	111.
13 55 44	113.	131.	127.	114.	124.	205.	214.	171.	154.	141.	109.	111.	108.
13 51 26	110.	131.	124.	111.	121.	202.	217.	184.	160.	147.	109.	111.	110.
13 51 26	117.	144.	133.	115.	130.	216.	224.	191.	155.	138.	103.	108.	108.
13 51 31	114.	139.	131.	114.	125.	218.	217.	196.	159.	144.	105.	109.	109.
13 51 36	112.	137.	129.	106.	116.	210.	228.	191.	158.	144.	105.	108.	109.
13 51 41	113.	138.	130.	110.	121.	212.	228.	189.	157.	142.	105.	108.	109.
13 51 46	103.	133.	121.	108.	119.	198.	214.	201.	163.	152.	105.	112.	112.
13 51 51	107.	137.	128.	111.	123.	208.	218.	195.	160.	145.	105.	110.	110.
13 51 57	110.	147.	136.	117.	130.	215.	219.	194.	156.	138.	104.	108.	109.
13 52 2	119.	145.	134.	119.	130.	214.	221.	195.	154.	138.	104.	109.	108.
13 52 15	110.	142.	130.	111.	128.	217.	221.	193.	155.	141.	104.	109.	108.
13 52 12	116.	141.	130.	109.	127.	214.	225.	192.	156.	142.	105.	109.	109.
13 52 17	106.	130.	124.	106.	118.	200.	219.	196.	164.	151.	107.	112.	95.
13 52 22	111.	138.	128.	111.	124.	209.	222.	194.	159.	144.	103.	110.	105.
13 52 35	112.	137.	130.	116.	121.	206.	193.	201.	162.	147.	106.	111.	111.
13 52 32	109.	135.	127.	105.	121.	206.	207.	200.	162.	148.	106.	112.	111.
13 52 37	115.	141.	133.	114.	127.	216.	226.	199.	156.	148.	103.	109.	108.
13 52 42	112.	136.	130.	109.	121.	210.	225.	193.	158.	138.	104.	107.	109.
13 52 47	105.	134.	123.	105.	120.	203.	222.	198.	161.	149.	106.	112.	113.
13 52 52	108.	135.	124.	106.	122.	203.	223.	194.	159.	150.	106.	111.	111.
13 52 57	112.	134.	126.	107.	121.	207.	223.	193.	163.	147.	106.	110.	116.
13 53 2	108.	134.	126.	108.	120.	202.	219.	198.	163.	149.	106.	111.	114.
13 53 7	107.	131.	128.	110.	117.	199.	214.	204.	163.	152.	106.	112.	105.
13 57 20	104.	129.	128.	107.	117.	200.	217.	202.	162.	151.	106.	113.	108.
13 57 30	105.	132.	128.	106.	117.	203.	216.	198.	164.	151.	106.	112.	119.
13 57 35	109.	135.	130.	113.	121.	205.	225.	197.	159.	146.	105.	112.	114.
13 57 40	116.	141.	132.	119.	121.	209.	216.	203.	161.	147.	104.	111.	111.
13 57 40	111.	134.	127.	116.	119.	203.	220.	198.	160.	148.	105.	111.	111.
13 57 45	108.	124.	119.	110.	121.	198.	227.	186.	152.	139.	108.	105.	110.
13 57 50	113.	130.	123.	116.	128.	206.	223.	189.	153.	139.	101.	108.	102.
13 58 0	115.	135.	125.	117.	138.	211.	221.	189.	153.	138.	105.	105.	109.
13 58 0	116.	138.	126.	124.	139.	211.	216.	191.	152.	139.	105.	100.	108.
13 58 5	120.	137.	126.	127.	148.	216.	210.	185.	152.	141.	105.	110.	107.
13 58 10	116.	136.	124.	121.	148.	216.	207.	188.	157.	145.	105.	110.	109.
13 58 15	116.	141.	129.	131.	158.	198.	204.	191.	154.	137.	105.	110.	110.
13 58 20	115.	138.	125.	126.	154.	208.	201.	192.	157.	144.	105.	111.	110.
13 58 25	116.	139.	125.	130.	158.	214.	203.	196.	152.	144.	108.	111.	108.
13 58 31	118.	142.	127.	134.	162.	217.	205.	194.	152.	143.	106.	111.	107.
13 58 36	117.	143.	127.	134.	167.	219.	205.	196.	147.	138.	106.	111.	108.
13 58 41	116.	141.	125.	132.	166.	218.	202.	197.	153.	143.	106.	112.	109.

TIME H/M/S	PR 7 TEMP L/HENG COMPT TOP FWD STA650	PR 8 TEMP L/HENG COMPT BOT FWD STA650	PR 9 TEMP L/HENG COMPT INBD FWD STA650	PR 10 TEMP L/HENG COMPT OUTBD FWD STA650	PR 11 TEMP L/HENG COMPT TOP AFT STA770	PR 12 TEMP L/HENG COMPT BOT AFT STA770	AF 17 TEMP FUEL OUTLET FUELOL COOLER L/HENG	PR 18 TEMP HYD OIL INLET UTL PUMP	SP 9 TEMP HYD OIL UTL INLET COOLER	SP 10 TEMP HYD OIL OUTLET UTC COOLER	EC 98 TEMP AMB FIN TIP COMPT	AF 37 TEMP SKIN MASS TAIL L/H STA687	AF 38 TEMP SKIN MASS TAIL R/H ST687
14													
13 58 46	106.	136.	120.	125.	160.	221.	202.	199.	163.	149.	185.	113.	112.
13 50 51	116.	142.	125.	132.	172.	227.	209.	194.	152.	150.	185.	109.	111.
13 58 56	128.	148.	134.	143.	178.	242.	221.	191.	165.	136.	186.	112.	112.
13 59 1	127.	145.	139.	141.	175.	244.	224.	195.	162.	142.	185.	112.	111.
13 59 6	128.	143.	134.	133.	173.	254.	242.	193.	154.	130.	184.	110.	110.
13 59 11	122.	135.	129.	129.	165.	248.	238.	196.	158.	143.	185.	111.	111.
13 59 16	121.	136.	133.	131.	160.	239.	230.	202.	158.	145.	187.	111.	105.
13 59 21	124.	138.	135.	134.	161.	241.	232.	200.	155.	144.	186.	111.	107.
14 6 3	120.	136.	132.	128.	158.	235.	230.	205.	159.	145.	185.	110.	111.
14 6 0	117.	134.	132.	124.	139.	221.	226.	209.	159.	152.	185.	112.	111.
14 6 13	114.	129.	130.	118.	117.	200.	227.	208.	149.	158.	187.	112.	112.
14 6 18	112.	127.	129.	116.	116.	199.	230.	206.	157.	157.	187.	113.	112.
14 6 23	112.	130.	130.	116.	118.	203.	226.	205.	161.	156.	187.	114.	115.
14 6 23	115.	132.	131.	119.	121.	204.	225.	206.	161.	154.	187.	113.	113.
14 6 33	121.	133.	131.	118.	127.	218.	241.	196.	151.	143.	186.	111.	105.
14 6 33	121.	136.	135.	120.	127.	212.	235.	203.	153.	148.	185.	112.	108.
14 46 38	117.	123.	128.	112.	123.	207.	239.	197.	158.	149.	187.	111.	110.
45 85 85	118.	127.	129.	113.	123.	207.	239.	195.	150.	147.	186.	110.	110.
14 13 14	112.	125.	133.	116.	117.	208.	235.	208.	159.	151.	188.	116.	113.
14 13 19	119.	131.	136.	118.	127.	218.	230.	198.	155.	143.	187.	113.	112.
14 53 24	115.	127.	128.	187.	126.	217.	242.	194.	150.	132.	188.	113.	110.
14 13 29	114.	128.	132.	114.	124.	213.	231.	202.	158.	139.	188.	114.	112.
14 13 29	129.	139.	139.	125.	130.	231.	227.	202.	155.	139.	186.	114.	110.
14 13 34	120.	131.	131.	117.	131.	221.	233.	198.	154.	141.	188.	109.	111.
0 0 0	117.	129.	120.	111.	130.	219.	241.	191.	153.	136.	188.	113.	110.
45 85 85	114.	126.	127.	110.	128.	215.	241.	191.	149.	138.	188.	113.	111.
45 85 85	126.	136.	135.	122.	138.	228.	235.	194.	147.	132.	186.	111.	109.
14 16 8	122.	132.	136.	123.	132.	221.	225.	203.	159.	143.	187.	114.	111.
14 16 5	130.	140.	130.	120.	136.	233.	212.	187.	151.	138.	185.	114.	111.
14 16 10	126.	137.	136.	120.	134.	229.	219.	195.	154.	141.	185.	113.	109.
14 16 15	123.	132.	140.	125.	132.	226.	224.	205.	158.	149.	185.	113.	112.
14 16 21	124.	131.	141.	125.	132.	223.	225.	205.	158.	151.	188.	113.	112.
14 16 26	131.	132.	146.	128.	130.	219.	226.	207.	158.	155.	187.	114.	113.
14 16 31	131.	132.	147.	127.	131.	217.	225.	208.	159.	154.	187.	112.	113.
14 16 36	133.	139.	150.	132.	138.	211.	224.	209.	159.	154.	188.	108.	112.
45 85 85	134.	131.	151.	133.	130.	209.	224.	208.	159.	151.	188.	111.	112.
45 85 85	139.	132.	155.	132.	136.	202.	222.	207.	155.	152.	186.	114.	112.
14 18 21	140.	130.	156.	136.	140.	193.	217.	204.	153.	149.	187.	111.	113.
14 18 27	144.	127.	151.	139.	145.	183.	213.	201.	150.	147.	188.	114.	114.
14 18 32	144.	127.	154.	140.	145.	183.	212.	201.	151.	147.	188.	114.	115.
14 18 37	146.	127.	150.	141.	148.	182.	211.	200.	151.	149.	188.	114.	118.
14 18 42	145.	127.	150.	140.	149.	181.	211.	200.	144.	148.	189.	113.	112.
14 18 55	146.	116.	156.	137.	149.	180.	209.	200.	149.	147.	188.	116.	113.
14 18 52	146.	122.	156.	139.	149.	179.	210.	201.	149.	148.	188.	111.	113.
14 18 57	145.	127.	155.	139.	149.	178.	211.	200.	148.	147.	185.	114.	113.
14 19 2	145.	127.	155.	139.	149.	178.	211.	200.	148.	147.	185.	114.	114.
14 19 7	147.	126.	155.	141.	151.	177.	209.	202.	149.	146.	188.	188.	114.
8 1 12	146.	126.	154.	140.	152.	177.	210.	202.	149.	144.	187.	111.	114.

C COMMUTATOR

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	EP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
12 55 53	82.	-.293	116.	117.	120.	116.	2.991	28.82	78429.	39.	71.	-20.	-11.
12 55 58	80.	-.171	118.	116.	120.	115.	2.985	29.01	78467.	68.	114.	-20.	-11.
12 56 3	82.	.098	121.	117.	120.	116.	2.987	30.05	77681.	39.	114.	-19.	-11.
12 56 8	82.	.024	121.	117.	120.	116.	2.980	29.70	77756.	39.	143.	-19.	-11.
12 56 13	82.	-.049	121.	117.	120.	116.	2.980	30.00	78139.	146.	220.	-19.	-12.
12 56 18	82.	-.293	121.	117.	120.	116.	2.987	29.38	78130.	88.	150.	-21.	-11.
12 56 28	82.	.293	121.	117.	120.	116.	2.982	28.87	78280.	-19.	100.	-21.	-11.
12 56 33	82.	.440	121.	117.	119.	116.	2.988	28.23	77980.	10.	121.	-20.	-10.
12 56 38	84.	.530	121.	117.	121.	111.	2.978	28.39	78429.	88.	114.	-20.	-16.
12 56 43	83.	.220	122.	117.	121.	114.	2.975	28.52	78242.	92.	135.	-20.	-14.
12 56 51	82.	-.196	121.	117.	121.	116.	2.958	28.76	77980.	58.	114.	-20.	-11.
12 56 48	82.	-.513	121.	117.	120.	116.	2.978	28.95	78167.	92.	58.	-20.	-10.
12 56 53	82.	-.293	121.	117.	119.	117.	2.989	27.47	78354.	49.	86.	-22.	-11.
12 56 58	83.	.024	121.	117.	120.	116.	2.983	28.47	78242.	19.	93.	-21.	-11.
12 57 3	84.	.507	121.	117.	118.	115.	2.985	29.95	78579.	117.	157.	-19.	-11.
12 57 8	83.	-.122	121.	117.	119.	116.	2.982	29.46	78392.	97.	200.	-19.	-11.
13 22 20	86.	2.804	115.	114.	116.	114.	2.987	28.71	78130.	78.	100.	1.	-0.
13 22 25	86.	17.040	116.	115.	117.	115.	2.981	28.44	78280.	92.	649.	1.	-1.
13 22 30	86.	33.236	116.	115.	116.	114.	2.989	28.33	77606.	350.	2794.	2.	-3.
13 22 35	86.	33.578	116.	116.	116.	114.	2.988	28.52	78018.	501.	3081.	2.	-4.
13 22 40	89.	35.393	117.	115.	117.	114.	2.974	27.47	78803.	1401.	4690.	2.	-3.
13 22 45	87.	31.036	117.	116.	116.	116.	2.976	28.84	78878.	1638.	5153.	2.	-2.
13 22 50	88.	.391	117.	116.	117.	115.	2.978	28.17	78654.	2578.	7512.	1.	0.
13 23 0	87.	.538	117.	116.	118.	116.	2.973	28.84	78803.	2878.	8804.	0.	-0.
13 23 5	86.	-.098	116.	116.	117.	116.	2.948	28.71	78429.	4184.	10864.	0.	-5.
13 23 5	86.	.367	116.	116.	117.	113.	2.949	28.31	78354.	4164.	10135.	0.	-2.
13 23 18	87.	-.489	116.	114.	113.	112.	2.947	28.81	78878.	4213.	9979.	2.	-3.
13 24 43	93.	.098	116.	115.	115.	109.	2.883	28.36	79215.	4495.	10563.	2.	-1.
13 24 48	92.	.587	113.	113.	111.	112.	2.766	27.96	79925.	5555.	12868.	2.	-2.
13 24 61	92.	.415	114.	113.	112.	112.	2.778	27.93	79738.	5696.	12131.	2.	-2.
13 24 58	90.	.098	112.	113.	109.	112.	2.759	28.86	79701.	5857.	12359.	0.	2.
13 25 3	94.	0.000	115.	115.	113.	109.	2.759	28.17	79776.	5986.	12331.	1.	1.
13 65 8	96.	1.026	117.	110.	116.	117.	2.749	27.47	0.	5964.	12316.	3.	0.
13 25 13	95.	.538	116.	116.	114.	115.	2.740	27.98	39888.	5928.	12316.	1.	0.
13 25 18	95.	.391	117.	117.	110.	114.	2.749	28.33	79701.	5964.	12316.	3.	-2.
13 25 23	97.	.489	116.	116.	114.	114.	2.751	27.93	79551.	5969.	12331.	2.	-3.
13 25 28	99.	0.000	114.	114.	114.	114.	2.730	28.23	79850.	6003.	12445.	1.	-0.
13 25 33	99.	-.147	115.	112.	116.	114.	2.750	27.85	79626.	5903.	12473.	1.	-1.
13 25 43	99.	.391	116.	117.	117.	109.	2.738	27.53	79551.	6032.	12302.	2.	-1.
13 65 48	96.	.513	116.	116.	116.	111.	2.744	27.98	79476.	6022.	12338.	3.	-1.
13 25 53	96.	-2.004	115.	115.	115.	112.	2.737	27.18	79701.	5906.	12402.	2.	-1.
13 25 58	96.	-1.173	114.	114.	114.	112.	2.740	27.39	79776.	5935.	12438.	2.	-2.
13 25 58	97.	.098	105.	112.	110.	113.	2.753	27.90	79626.	5974.	12373.	0.	1.
13 26 3	97.	.244	111.	114.	113.	113.	2.757	27.69	79551.	5969.	12388.	1.	-0.
13 26 8	97.	.440	113.	113.	110.	110.	2.753	28.49	78878.	5925.	12516.	2.	1.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
13 25 13	98.	.440	114.	113.	112.	112.	2.749	28.49	39717.	5949.	12452.	2.	2.
13 26 18	102.	.391	116.	116.	117.	115.	2.749	27.42	79551.	5983.	12345.	1.	-10.
13 26 23	101.	.342	116.	116.	117.	115.	2.738	27.85	39815.	5979.	12366.	1.	-5.
13 26 29	97.	.538	116.	114.	114.	112.	2.749	28.71	79776.	5945.	12430.	2.	1.
13 26 34	100.	.709	116.	118.	115.	116.	2.745	28.39	79850.	5959.	12388.	2.	1.
13 26 39	102.	.489	116.	119.	115.	115.	2.742	28.28	79850.	5954.	12331.	2.	-1.
13 26 44	100.	.024	116.	116.	114.	115.	2.746	28.17	79738.	5920.	12324.	1.	-0.
13 26 49	95.	.049	116.	114.	114.	113.	2.740	28.17	159.	5945.	12331.	3.	1.
13 26 54	97.	.098	116.	115.	114.	113.	2.741	27.88	79.	5959.	12331.	2.	1.
13 26 59	99.	-.098	116.	116.	116.	109.	2.748	27.96	79850.	6003.	12402.	3.	-1.
13 27 4	101.	-.024	116.	116.	117.	112.	2.750	27.90	79626.	5998.	12409.	1.	0.
13 27 9	100.	-.440	116.	113.	115.	112.	2.737	27.90	79476.	5896.	12445.	1.	0.
13 27 14	100.	.196	111.	114.	114.	113.	2.737	27.96	79514.	5959.	12402.	1.	-1.
13 27 19	101.	-.196	114.	113.	114.	114.	2.720	27.63	79776.	6090.	12388.	2.	-0.
13 27 24	101.	.049	114.	109.	114.	109.	2.726	27.96	79626.	6086.	12438.	1.	0.
13 27 29	100.	-.244	115.	110.	114.	110.	2.735	28.39	79551.	6159.	12502.	3.	-1.
13 27 34	100.	0.000	115.	113.	114.	109.	2.735	28.31	79626.	6134.	12509.	2.	-1.
13 27 39	101.	-.684	117.	116.	115.	106.	2.714	27.53	79925.	6149.	12388.	2.	-2.
13 27 44	101.	-.293	117.	116.	115.	110.	2.716	27.85	40121.	6149.	12438.	2.	-0.
13 27 49	102.	.489	116.	116.	105.	113.	2.714	27.96	80000.	6207.	12445.	2.	1.
13 27 54	102.	.220	115.	116.	109.	112.	2.718	28.06	79813.	6183.	12473.	2.	-1.
13 27 59	103.	.049	116.	116.	116.	114.	2.729	28.55	79402.	6081.	12516.	0.	0.
13 28 4	103.	.513	116.	116.	115.	114.	2.727	28.41	79439.	6098.	12516.	0.	-0.
13 28 9	100.	-.489	115.	113.	112.	112.	2.727	28.39	79551.	6098.	12302.	3.	-1.
13 28 19	99.	-.587	115.	114.	113.	113.	2.724	28.17	39815.	6129.	12302.	2.	-1.
13 28 24	102.	-1.271	117.	114.	115.	113.	2.714	28.28	79701.	6159.	12402.	2.	-2.
13 28 29	102.	-.513	116.	114.	116.	113.	2.715	27.90	79776.	6168.	12423.	2.	-1.
13 28 34	103.	.098	117.	114.	114.	113.	2.716	27.96	0.	6188.	12445.	3.	0.
13 28 34	102.	.196	116.	114.	115.	112.	2.723	28.06	39925.	6168.	12473.	2.	-0.
13 28 39	103.	-.196	115.	115.	114.	114.	2.722	27.63	79252.	6129.	12302.	1.	-2.
13 28 44	103.	-.220	115.	115.	115.	115.	2.726	28.09	79514.	6110.	12402.	1.	0.
13 28 49	100.	.391	116.	114.	117.	112.	2.726	28.23	79850.	6159.	12302.	1.	2.
13 28 54	101.	-.489	116.	114.	116.	112.	2.723	27.85	40044.	6149.	12352.	1.	2.
13 28 59	101.	-.635	116.	114.	114.	112.	2.714	28.01	80000.	6168.	12416.	3.	-2.
13 29 5	101.	-.269	115.	114.	117.	113.	2.722	28.01	79813.	6129.	12473.	2.	0.
13 29 10	101.	0.000	116.	115.	115.	112.	2.720	28.28	79476.	6168.	12430.	2.	-0.
13 29 15	101.	-.196	115.	113.	115.	111.	2.728	28.23	79402.	6105.	12516.	2.	1.
13 29 20	103.	.782	115.	116.	114.	114.	2.762	28.55	79.	5808.	12288.	2.	2.
13 29 25	103.	-.122	116.	116.	114.	114.	2.762	28.25	39778.	5803.	12288.	2.	0.
13 29 30	101.	0.000	114.	116.	114.	114.	2.757	27.63	0.	5808.	12131.	-3.	-0.
13 29 35	102.	.440	114.	116.	114.	111.	2.761	27.82	40.	5784.	12217.	-1.	0.
13 29 40	101.	.147	116.	115.	108.	114.	2.764	27.90	79327.	5740.	12316.	2.	-0.
13 29 45	101.	-.220	116.	114.	111.	113.	2.766	27.77	79364.	5731.	12288.	2.	-1.
13 29 50	103.	.147	116.	114.	115.	114.	2.737	28.17	79402.	5867.	12217.	3.	-0.
13 29 55	103.	.391	115.	115.	115.	114.	2.758	28.04	79626.	5852.	12245.	2.	2.
13 30 0	102.	-.049	114.	116.	113.	108.	2.773	27.96	80000.	5789.	12316.	1.	1.
13 30 5	101.	-.196	115.	115.	114.	109.	2.778	27.72	79738.	5765.	12288.	2.	-0.
13 30 10	103.	1.075	114.	115.	114.	112.	2.764	27.85	79701.	5740.	12231.	1.	2.
13 30 15	102.	.562	114.	117.	114.	113.	2.769	28.17	79551.	5740.	12281.	1.	1.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/HIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
15													
13 30 20	102.	.684	115.	114.	114.	114.	2.762	28.12	79252.	5758.	12245.	2.	-2.
13 30 25	102.	.733	116.	112.	114.	114.	2.767	28.20	79589.	5711.	12274.	1.	-1.
13 30 30	102.	.684	114.	114.	110.	113.	2.755	28.68	79476.	5768.	12245.	1.	0.
13 30 35	102.	.513	113.	114.	112.	113.	2.762	28.36	79551.	5745.	12274.	1.	1.
13 30 40	103.	.147	110.	115.	114.	113.	2.766	28.44	79858.	5758.	12445.	2.	2.
13 30 45	102.	.196	116.	115.	113.	113.	2.761	28.17	79888.	5769.	12382.	1.	1.
13 30 55	102.	.530	108.	116.	112.	107.	2.761	27.85	0.	5799.	12217.	2.	1.
13 31 0	102.	.709	111.	115.	110.	110.	2.762	28.04	39776.	5779.	12231.	1.	1.
13 31 5	104.	-.098	115.	117.	116.	112.	2.766	28.01	79402.	5768.	12373.	2.	0.
13 31 10	99.	-.049	116.	117.	116.	113.	2.762	27.98	79514.	5755.	12381.	2.	-1.
13 31 15	102.	.440	113.	114.	112.	111.	2.764	28.06	79858.	5768.	12282.	1.	3.
13 31 15	102.	.049	114.	114.	113.	112.	2.753	28.17	79776.	5891.	12210.	2.	2.
13 31 20	101.	.733	115.	114.	114.	116.	2.751	28.17	79476.	5886.	12359.	1.	1.
13 31 25	101.	-.[illegible]24	114.	113.	115.	114.	2.749	28.06	79514.	5935.	12345.	2.	1.
13 31 30	103.	-.[illegible]7	115.	114.	114.	114.	2.753	28.23	79551.	5867.	12359.	1.	1.
13 31 35	104.	.[illegible]91	115.	115.	114.	113.	2.808	28.09	79252.	5677.	12389.	2.	2.
13 31 40	95.	.049	116.	114.	114.	113.	2.941	28.44	78288.	4222.	10235.	3.	-5.
13 32 17	99.	.269	115.	112.	114.	109.	2.941	28.17	78288.	4247.	10288.	3.	-2.
13 32 22	101.	-.587	114.	110.	113.	112.	2.934	27.26	78883.	4328.	10235.	4.	-0.
13 32 35	102.	-.587	114.	113.	114.	112.	2.942	27.82	78728.	4247.	10221.	3.	-0.
13 32 32	103.	-.098	114.	114.	114.	112.	2.932	27.74	78579.	4271.	10121.	2.	-3.
13 32 37	104.	.538	114.	113.	114.	112.	2.935	28.04	78579.	4271.	10143.	2.	-2.
13 32 42	101.	-.147	113.	114.	114.	108.	2.934	27.96	78953.	4242.	10036.	2.	-1.
13 32 47	102.	-.489	113.	113.	114.	110.	2.937	28.12	78883.	4271.	10107.	2.	-1.
13 32 57	101.	1.320	115.	116.	108.	114.	2.943	27.96	79252.	4261.	10093.	1.	2.
13 33 2	102.	.562	116.	115.	111.	113.	2.942	28.01	78878.	4227.	10143.	2.	0.
13 33 2	103.	-.293	113.	114.	113.	113.	2.938	28.55	78878.	4271.	10036.	2.	2.
13 33 7	103.	-.024	113.	114.	112.	113.	2.922	28.12	79215.	4276.	10071.	2.	0.
13 33 12	101.	-.342	116.	116.	112.	112.	2.934	27.96	79177.	4281.	10093.	2.	2.
13 33 17	102.	.049	115.	115.	108.	112.	2.937	27.74	79364.	4276.	10120.	1.	2.
13 33 27	103.	.049	112.	114.	112.	112.	2.936	27.26	79102.	4308.	10164.	3.	1.
13 33 33	102.	-.318	113.	111.	112.	113.	2.941	27.63	78878.	4252.	10178.	2.	1.
13 33 38	103.	-.049	111.	114.	113.	113.	2.913	28.17	79102.	4318.	10078.	2.	0.
13 33 51	103.	.049	113.	114.	113.	112.	2.933	28.55	79102.	4257.	10100.	1.	2.
13 73 48	101.	-.244	115.	115.	112.	113.	2.934	27.63	78878.	4261.	10135.	3.	-1.
13 33 53	102.	.098	114.	113.	113.	112.	2.938	28.12	78998.	4252.	10135.	2.	-0.
13 33 53	103.	-.538	114.	112.	112.	112.	2.948	28.01	78878.	4115.	10287.	1.	-10.
13 33 58	104.	-.147	112.	113.	113.	112.	2.942	27.82	78915.	4184.	10200.	1.	-6.
13 34 3	100.	1.026	114.	113.	113.	113.	2.958	28.44	78953.	4242.	10287.	1.	-0.
13 34 8	101.	.709	113.	113.	113.	113.	2.949	28.33	78654.	4222.	10208.	2.	-1.
13 34 13	104.	.147	113.	114.	114.	114.	2.937	27.90	78953.	4281.	10064.	1.	-0.
13 34 18	103.	.196	113.	113.	113.	113.	2.936	28.04	78878.	4261.	10121.	2.	-1.
13 34 23	101.	-.831	113.	113.	113.	112.	2.934	28.33	79476.	4261.	10287.	1.	3.
13 34 29	101.	-.244	114.	114.	113.	113.	2.937	27.82	79028.	4247.	10192.	1.	1.
13 34 42	101.	1.008	114.	114.	112.	112.	2.938	27.85	78953.	4201.	10093.	3.	1.
13 34 39	102.	-.220	113.	112.	112.	108.	2.931	28.17	78878.	4276.	10086.	2.	1.
13 34 44	103.	1.222	115.	113.	114.	112.	2.959	28.39	78878.	4222.	10192.	1.	2.
13 34 49	102.	.538	115.	113.	113.	112.	2.950	28.01	78728.	4208.	10185.	2.	1.
13 34 54	104.	.733	113.	113.	113.	111.	2.941	27.85	78883.	4242.	10021.	0.	0.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
13 34 59	103.	.398	115.	109.	113.	103.	2.939	27.85	79289.	4242.	10036.	-0.	1.
13 35 4	103.	-.293	113.	115.	112.	112.	2.884	28.12	79177.	4291.	10021.	2.	1.
13 35 9	104.	.196	113.	114.	113.	112.	2.914	28.09	78915.	4266.	10057.	2.	2.
13 35 14	105.	.538	113.	105.	114.	111.	2.939	27.69	78354.	4222.	10036.	2.	-2.
13 35 19	103.	.635	113.	109.	114.	112.	2.941	27.66	78616.	4213.	10100.	1.	-1.
13 35 24	104.	-.391	114.	114.	113.	113.	2.921	27.63	79177.	4193.	9979.	2.	1.
13 35 29	104.	-.073	114.	114.	113.	113.	2.933	27.85	78766.	4227.	10078.	2.	0.
13 35 34	105.	.391	112.	108.	114.	110.	2.947	28.01	78429.	4203.	10078.	2.	-1.
13 35 39	104.	.098	113.	111.	114.	111.	2.937	27.82	78691.	4198.	10071.	3.	-1.
13 55 44	108.	.391	114.	114.	111.	110.	2.943	28.23	78878.	4213.	9993.	0.	1.
13 51 26	107.	.049	114.	112.	111.	111.	2.938	27.93	78841.	4198.	9993.	2.	0.
13 51 26	105.	-.196	105.	113.	110.	110.	2.945	28.01	79402.	4038.	9964.	-0.	0.
13 51 31	105.	-.122	110.	112.	110.	111.	2.942	27.82	78878.	4086.	9986.	1.	-0.
13 51 36	106.	.733	111.	112.	111.	111.	2.945	28.17	78728.	4115.	10064.	1.	2.
13 51 41	105.	.733	111.	112.	110.	109.	2.946	28.39	78803.	4106.	10014.	1.	2.
13 51 46	106.	-.342	112.	111.	112.	110.	2.937	27.53	79028.	4145.	10192.	2.	-1.
13 51 51	105.	-.464	111.	111.	110.	110.	2.948	27.74	79140.	4164.	10100.	1.	-0.
13 51 57	104.	-.244	108.	111.	110.	114.	2.950	28.01	79252.	4135.	9979.	1.	2.
13 52 2	105.	-.269	108.	112.	109.	112.	2.943	27.98	79252.	4174.	9979.	1.	1.
13 52 15	105.	-.049	110.	95.	110.	110.	2.932	27.53	78654.	4135.	10064.	3.	-1.
13 52 12	105.	-.293	110.	103.	110.	110.	2.933	27.72	78803.	4138.	10014.	3.	-1.
13 52 17	104.	-.489	112.	113.	110.	110.	2.941	27.96	79028.	4213.	9850.	1.	2.
13 52 22	107.	.024	111.	112.	110.	114.	2.940	27.85	78341.	4184.	9929.	2.	1.
13 52 35	103.	.049	105.	112.	111.	111.	2.930	27.53	78978.	4125.	9950.	2.	0.
13 52 32	104.	.024	108.	114.	114.	111.	2.934	27.82	78990.	4125.	9936.	2.	1.
13 52 37	100.	-.098	113.	111.	108.	110.	2.939	28.49	78354.	4115.	10078.	2.	1.
13 52 42	102.	-.171	112.	112.	110.	112.	2.944	28.28	78728.	4135.	9971.	1.	2.
13 52 47	105.	1.515	112.	114.	110.	110.	2.947	28.39	77681.	4125.	10064.	1.	2.
13 52 52	105.	1.051	111.	114.	110.	112.	2.945	28.44	78392.	4148.	10014.	1.	2.
13 52 57	105.	-.831	110.	110.	111.	112.	2.941	28.33	79028.	4203.	10036.	1.	1.
13 53 2	105.	-.342	110.	109.	110.	111.	2.939	28.52	79065.	4213.	9971.	1.	1.
13 53 7	108.	.489	113.	112.	111.	111.	2.943	27.69	78429.	4057.	10078.	2.	-0.
13 57 20	106.	.489	110.	111.	111.	111.	2.943	27.66	78055.	4091.	10071.	2.	0.
13 57 30	103.	.293	111.	111.	110.	111.	2.965	28.44	78953.	4154.	10036.	1.	2.
13 57 35	104.	.415	110.	111.	110.	111.	2.892	28.25	79065.	4446.	10684.	1.	2.
13 57 48	105.	.931	111.	112.	111.	112.	2.764	28.06	0.	5672.	11889.	2.	1.
13 57 40	104.	0.000	112.	112.	110.	112.	2.737	28.20	199.	5891.	12224.	1.	1.
13 57 45	105.	.196	110.	114.	112.	112.	2.523	28.44	1350.	6528.	12929.	1.	2.
13 57 50	105.	.196	109.	112.	111.	111.	2.450	28.06	1469.	7185.	13179.	1.	0.
13 58 0	101.	1.124	110.	111.	108.	110.	2.282	28.23	2303.	8406.	13770.	-3.	1.
13 58 0	102.	.978	109.	111.	107.	110.	2.051	28.09	2542.	8630.	14013.	-1.	1.
13 58 5	105.	1.026	110.	110.	109.	110.	1.602	28.23	2939.	9681.	14583.	3.	0.
13 58 10	105.	.855	108.	112.	110.	110.	1.614	28.12	3257.	9734.	14576.	3.	1.
13 58 15	103.	.098	108.	107.	108.	110.	1.574	28.06	3336.	9719.	14583.	1.	4.
13 58 20	104.	.464	110.	110.	109.	109.	1.609	28.20	3137.	9700.	14562.	2.	2.
13 58 25	106.	-.049	109.	106.	108.	108.	1.596	28.39	2939.	9651.	14540.	2.	-1.
13 58 31	105.	.147	109.	109.	108.	109.	1.612	28.01	3098.	9676.	14540.	2.	-1.
13 58 36	103.	.049	110.	106.	108.	110.	1.637	28.17	3733.	9749.	14497.	1.	1.
13 58 41	104.	.562	110.	110.	108.	110.	1.658	28.31	3654.	9719.	14505.	1.	2.

TIME H/M/S	PR 30 TEMP SURFAC FWD PART MOVBLE SPIKE	PR 19 AIR BLEED STARTR L/HENG	AF 31 TEMP SKIN MASS WING UPR L/HOUT	AF 32 TEMP SKIN MASS WING UPR L/MIN	AF 33 TEMP SKIN MASS WING UPR R/HOUT	AF 34 TEMP SKIN MASS	PR 4 PRESS ENGINE RATIO L/H	SP 16 VOLTS DC BUSS	AF 5 FLOW FUEL L/HENG	PR 1 RPM N1 TACH GER L/HENG	PR 2 RPM N2 TACH GER L/HENG	CS 5 ATTD PITCH	CS 6 ATTD ROLL
13 58 46	105.	.293	111.	112.	112.	111.	1.672	27.96	3177.	9651.	14583.	1.	1.
13 58 51	105.	.587	115.	113.	111.	111.	1.969	27.88	1787.	9671.	14519.	2.	1.
13 58 56	103.	0.000	113.	114.	110.	107.	2.928	27.96	79327.	4631.	11547.	2.	-1.
13 59 1	103.	-.024	111.	112.	109.	107.	2.928	27.96	78915.	4437.	10898.	2.	-1.
13 59 6	105.	.342	114.	112.	110.	110.	2.930	28.39	78654.	4261.	10292.	1.	0.
13 59 11	100.	.562	113.	113.	110.	111.	2.930	27.93	78766.	4388.	10242.	2.	1.
13 59 16	101.	.448	110.	111.	106.	108.	2.932	27.90	78654.	4300.	10278.	2.	-1.
13 59 21	102.	.635	110.	111.	107.	109.	2.931	27.93	78616.	4242.	10285.	2.	-1.
14 6 3	102.	.342	110.	112.	113.	110.	2.930	27.96	79102.	4339.	10178.	3.	-1.
14 6 8	102.	.538	110.	111.	111.	107.	2.913	28.17	78691.	4193.	10187.	2.	1.
14 6 13	103.	.587	112.	112.	100.	111.	2.893	27.90	78654.	4047.	10135.	2.	1.
14 6 18	104.	.855	112.	113.	107.	111.	2.890	27.90	78579.	4038.	10100.	2.	1.
14 6 23	105.	.929	105.	113.	95.	112.	2.888	28.39	79102.	4877.	9993.	1.	4.
14 6 23	104.	.611	108.	112.	101.	111.	2.888	28.44	78372.	4091.	9986.	1.	3.
14 6 33	103.	.293	108.	106.	107.	110.	2.897	28.49	79177.	4057.	10893.	1.	-2.
14 6 33	103.	.367	109.	109.	108.	109.	2.892	28.17	78766.	4072.	10100.	2.	-8.
14 46 38	105.	.538	110.	111.	110.	111.	2.884	27.90	78953.	4115.	9936.	2.	4.
45 85 85	102.	.611	110.	111.	109.	103.	2.887	27.72	79102.	4115.	9964.	2.	3.
14 13 14	106.	-.831	114.	116.	110.	112.	2.842	27.53	78953.	4573.	10748.	2.	-1.
14 13 19	106.	-.318	111.	114.	107.	111.	2.849	27.69	79028.	4582.	10898.	2.	-1.
14 53 24	106.	.587	110.	111.	110.	110.	2.843	27.53	79402.	4651.	11019.	3.	2.
14 13 29	105.	.367	111.	112.	109.	110.	2.852	28.28	79177.	4621.	11012.	2.	2.
14 13 29	105.	-.196	[illegible]	108.	108.	108.	2.847	27.96	79402.	4797.	10948.	0.	1.
14 13 34	105.	-.415	[illegible]	111.	109.	110.	2.854	28.33	79140.	4758.	10955.	1.	1.
0 0 0	105.	-.244	[illegible]	114.	108.	112.	2.845	27.26	79327.	4758.	10976.	4.	1.
45 85 85	106.	.171	111.	114.	109.	113.	2.847	27.72	79028.	4728.	11048.	3.	1.
45 85 85	101.	-.391	109.	111.	108.	110.	2.843	27.05	79402.	4699.	10976.	2.	-1.
14 16 8	108.	-.220	110.	112.	106.	110.	2.043	27.96	79439.	4688.	10984.	2.	-1.
14 16 5	108.	-.098	108.	108.	108.	109.	2.974	28.76	77883.	4505.	10292.	3.	4.
14 16 10	107.	.709	109.	111.	108.	110.	2.975	28.04	77943.	3186.	7926.	3.	2.
14 16 15	106.	.440	111.	112.	109.	111.	2.989	27.53	78205.	1088.	4077.	0.	0.
14 16 21	106.	.220	111.	112.	109.	110.	2.978	27.15	77986.	978.	3158.	2.	-1.
14 16 26	107.	.147	111.	113.	110.	110.	2.974	26.77	76484.	584.	1326.	3.	-8.
14 16 31	107.	.024	111.	113.	109.	110.	2.974	27.07	77883.	564.	728.	3.	-1.
14 16 36	106.	.489	111.	112.	108.	110.	2.985	28.28	77756.	341.	188.	2.	-1.
45 85 85	107.	.538	111.	112.	108.	111.	2.980	28.49	77120.	336.	121.	3.	-8.
45 85 85	107.	.342	111.	107.	108.	110.	2.976	28.17	78504.	107.	43.	2.	8.
14 18 21	107.	.049	114.	110.	109.	111.	2.988	28.58	78205.	83.	108.	1.	-1.
14 18 27	107.	.733	111.	115.	109.	110.	2.978	28.01	78354.	126.	43.	2.	-18.
14 18 32	106.	.758	111.	114.	109.	110.	2.985	28.20	78167.	68.	121.	2.	-5.
14 18 37	107.	-.489	110.	113.	108.	110.	2.982	28.12	78354.	88.	86.	2.	-1.
14 18 42	107.	.244	111.	113.	109.	110.	2.985	28.17	78354.	92.	64.	1.	1.
14 18 55	106.	.587	110.	107.	110.	110.	2.983	27.63	78280.	-10.	180.	-8.	1.
14 18 52	106.	.098	111.	110.	109.	110.	2.978	28.09	78354.	29.	135.	1.	2.
14 18 57	106.	-.732	95.	112.	110.	110.	2.982	27.85	78728.	107.	43.	2.	-1.
14 19 2	105.	-.259	103.	113.	109.	110.	2.986	27.63	78541.	83.	108.	1.	-1.
14 19 7	106.	0.000	111.	114.	109.	110.	2.987	28.01	77306.	58.	157.	3.	-4.
0 1 12	106.	-.098	111.	113.	109.	111.	2.986	27.80	77943.	58.	143.	2.	-3.

C COMMUTATOR

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	SC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERCY GERRTR CDOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TD R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
12 55 53	1.60	95.4	-3.	-.064	.039	-.029	108.	96.	110.	100.	97.	400.	99.
12 55 58	1.55	95.7	-2.	-.073	.020	-.020	108.	97.	110.	99.	96.	400.	100.
12 56 3	1.05	95.4	0.	-.029	.015	-.005	110.	95.	107.	99.	97.	400.	99.
12 56 8	1.33	95.7	-2.	-.027	.007	-.007	109.	95.	108.	99.	97.	400.	100.
12 56 13	1.35	96.7	0.	-.015	.020	-.020	100.	95.	106.	97.	97.	400.	101.
12 56 18	1.40	96.7	-1.	-.032	.029	-.012	108.	95.	106.	98.	96.	400.	98.
12 56 28	1.35	97.4	-3.	-.059	.054	-.020	107.	96.	106.	98.	97.	400.	101.
12 56 33	1.48	98.0	-2.	-.039	.024	-.010	107.	96.	107.	98.	99.	400.	101.
12 56 38	1.30	96.7	-2.	-.039	.015	-.083	108.	97.	108.	99.	98.	400.	100.
12 56 43	1.33	96.1	-1.	-.051	.024	-.066	108.	96.	109.	99.	97.	400.	100.
12 56 51	1.45	96.1	0.	-.010	.054	-.059	108.	96.	111.	98.	95.	400.	101.
12 56 48	1.60	95.7	0.	-.046	.034	-.042	108.	96.	112.	99.	92.	400.	101.
12 56 53	1.30	96.7	-1.	-.049	0.000	-.005	109.	96.	114.	104.	97.	400.	100.
12 56 58	1.33	100.3	-3.	-.034	.015	-.007	112.	96.	110.	102.	97.	400.	100.
12 57 3	1.25	97.4	0.	-.044	.020	-.064	108.	96.	73.	97.	96.	400.	99.
12 57 8	1.33	97.1	0.	-.039	.015	-.037	108.	96.	98.	98.	96.	400.	99.
13 22 20	.10	100.6	-2.	-.112	.044	-.034	108.	99.	273.	115.	108.	400.	105.
13 22 25	-.27	99.3	-1.	-.130	.034	-.017	105.	99.	349.	116.	110.	400.	103.
13 22 30	-.35	100.0	21.	-.161	0.000	0.000	105.	99.	471.	97.	103.	401.	103.
13 22 35	-.40	101.6	27.	-.152	.007	.007	105.	99.	478.	95.	104.	401.	101.
13 22 40	-.25	98.0	53.	-.156	-.005	-.020	107.	99.	489.	130.	117.	401.	106.
13 22 45	-.27	99.0	54.	-.159	.005	-.029	105.	101.	493.	120.	115.	401.	104.
13 22 50	-.25	96.7	61.	-.005	.015	.054	115.	102.	457.	129.	116.	400.	108.
13 23 0	-.15	99.7	61.	.024	.032	.235	110.	102.	442.	114.	111.	400.	105.
13 23 5	-.20	100.6	64.	.054	.039	.596	103.	103.	405.	109.	110.	393.	101.
13 23 5	-.15	101.0	62.	.056	.049	.635	104.	104.	401.	104.	107.	397.	102.
13 23 18	-.35	101.9	62.	.039	0.000	.718	100.	106.	393.	112.	107.	401.	107.
13 24 43	-.25	101.9	60.	.156	.044	.778	107.	109.	388.	123.	113.	400.	120.
13 24 48	-.40	99.3	63.	.503	.415	.582	105.	119.	420.	120.	111.	398.	134.
13 24 61	-.32	99.3	64.	.508	.560	.486	105.	118.	441.	127.	117.	398.	133.
13 24 58	-.05	101.9	57.	.415	.963	.308	95.	122.	484.	119.	113.	398.	138.
13 25 3	-.17	101.9	63.	.437	1.075	.269	101.	120.	495.	128.	116.	398.	140.
13 65 8	-.35	97.4	62.	.508	1.036	.249	108.	121.	508.	137.	121.	398.	146.
13 25 13	-.30	97.4	60.	.508	.987	.291	105.	125.	513.	132.	117.	398.	144.
13 25 18	-.40	101.3	64.	.445	.811	.269	110.	121.	521.	139.	121.	398.	150.
13 25 23	-.40	101.6	60.	.420	.714	.249	100.	124.	521.	134.	119.	398.	153.
13 25 28	-.20	100.0	58.	.313	.479	.288	106.	132.	526.	123.	116.	398.	155.
13 25 33	-.30	98.7	54.	.291	.469	.308	106.	130.	523.	125.	116.	398.	156.
13 25 43	-.45	102.6	60.	.352	.308	.381	106.	123.	527.	141.	122.	398.	160.
13 65 48	-.38	102.3	61.	.335	.347	.393	107.	125.	527.	142.	120.	398.	160.
13 25 53	-.50	101.3	64.	.357	.357	.386	106.	128.	530.	139.	116.	398.	161.
13 25 58	-.40	100.3	63.	.320	.369	.403	105.	129.	532.	138.	117.	398.	162.
13 25 58	.00	100.6	56.	.352	.308	.445	106.	132.	534.	140.	117.	398.	165.
13 26 3	-.10	101.6	57.	.301	.291	.433	106.	130.	532.	140.	119.	398.	168.
13 26 8	.05	100.0	55.	.225	.259	.435	105.	134.	532.	135.	117.	398.	170.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ RAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 26 13	.00	100.3	56.	.330	.291	.459	108.	135.	532.	131.	115.	398.	172.
13 26 18	-.35	100.6	59.	.401	.557	.499	95.	136.	529.	130.	117.	398.	180.
13 26 23	-.45	101.6	58.	.381	.516	.433	100.	132.	524.	134.	121.	398.	180.
13 26 29	.00	101.9	60.	.386	.499	.430	107.	134.	531.	145.	120.	398.	178.
13 26 34	-.22	101.3	60.	.391	.496	.369	106.	136.	531.	136.	118.	398.	175.
13 26 39	-.55	100.0	60.	.347	.479	.396	105.	134.	527.	120.	117.	398.	184.
13 26 44	-.27	101.0	55.	.357	.591	.428	106.	134.	530.	138.	119.	398.	186.
13 26 49	-.20	100.6	51.	.208	.836	.411	107.	131.	535.	149.	122.	398.	191.
13 26 54	-.02	100.3	54.	.252	.814	.306	106.	135.	533.	139.	118.	398.	189.
13 26 59	-.45	103.2	57.	.398	.665	.347	105.	133.	535.	147.	124.	398.	187.
13 27 4	-.25	103.2	56.	.115	.640	.357	106.	132.	532.	142.	122.	398.	190.
13 27 9	.15	102.6	53.	.132	.596	.269	108.	130.	530.	149.	122.	398.	188.
13 27 14	-.12	101.6	58.	.066	.489	.283	107.	139.	533.	149.	122.	398.	192.
13 27 19	-.20	94.8	65.	.235	.283	.420	105.	141.	527.	131.	118.	398.	202.
13 27 24	-.05	98.7	62.	.242	.288	.415	105.	142.	525.	130.	115.	398.	203.
13 27 29	-.30	101.3	64.	.152	.249	.445	107.	142.	529.	145.	123.	398.	210.
13 27 34	-.20	101.6	64.	.152	.257	.435	106.	143.	527.	141.	120.	398.	214.
13 27 39	-.65	101.9	68.	.235	.244	.445	106.	134.	521.	139.	125.	398.	216.
13 27 44	-.45	101.3	68.	.225	.266	.418	105.	137.	522.	135.	121.	398.	215.
13 27 49	-.45	100.6	73.	.152	.239	.357	105.	136.	524.	126.	117.	398.	216.
13 27 54	-.40	101.0	72.	.183	.244	.408	106.	148.	527.	135.	119.	398.	217.
13 27 59	-.10	102.6	67.	.225	.383	.391	108.	136.	522.	144.	116.	398.	224.
13 28 4	-.10	101.9	70.	.244	.279	.406	107.	135.	524.	143.	119.	398.	226.
13 28 9	-.20	100.6	78.	.269	.279	.458	107.	141.	525.	149.	121.	398.	222.
13 29 19	-.32	100.3	80.	.252	.266	.462	104.	142.	523.	142.	118.	398.	220.
13 28 24	-.50	96.7	82.	.225	.264	.445	107.	134.	524.	143.	122.	398.	229.
13 28 29	-.47	99.7	83.	.235	.261	.447	107.	137.	522.	146.	122.	398.	229.
13 28 34	-.25	102.6	85.	.205	.249	.428	106.	134.	521.	137.	119.	398.	232.
13 28 34	-.25	99.7	84.	.227	.259	.415	106.	138.	522.	137.	118.	398.	233.
13 28 39	-.55	100.0	86.	.220	.244	.450	105.	142.	525.	135.	116.	398.	232.
13 28 44	-.35	102.9	86.	.183	.376	.423	105.	142.	525.	138.	117.	398.	234.
13 28 49	-.20	102.6	88.	.122	.499	.357	105.	139.	518.	135.	117.	397.	238.
13 28 54	-.30	102.6	87.	.115	.472	.386	106.	139.	518.	138.	119.	398.	239.
13 28 59	-.45	100.6	88.	.132	.430	.371	106.	138.	518.	136.	118.	398.	239.
13 29 5	-.22	101.9	86.	.134	.464	.367	106.	141.	522.	148.	119.	398.	241.
13 29 10	-1.05	101.9	89.	.137	.440	.406	106.	138.	516.	137.	116.	398.	246.
13 29 15	-.52	101.9	86.	.440	.386	.420	106.	139.	520.	134.	118.	398.	246.
13 29 20	-.30	103.2	92.	.117	.166	.411	106.	141.	489.	136.	119.	398.	237.
13 29 25	-.35	99.0	92.	.130	.164	.389	105.	141.	495.	136.	119.	398.	236.
13 29 30	-.20	102.6	90.	.112	.176	.469	106.	143.	507.	141.	120.	398.	230.
13 29 35	-.15	102.6	90.	.115	.196	.457	105.	143.	508.	138.	119.	398.	228.
13 29 40	-.05	103.2	86.	.147	.200	.435	108.	138.	506.	143.	121.	398.	227.
13 29 45	-.12	101.6	88.	.156	.196	.425	109.	142.	508.	148.	122.	399.	226.
13 29 50	-.50	100.6	90.	.166	.196	.464	106.	142.	505.	131.	118.	398.	238.
13 29 55	-.35	101.6	90.	.142	.174	.455	106.	143.	507.	135.	117.	398.	230.
13 30 0	.00	102.6	87.	.112	.230	.420	106.	143.	511.	136.	119.	397.	230.
13 30 5	-.32	102.6	88.	.125	.213	.418	107.	141.	505.	140.	121.	398.	227.
13 30 10	.00	102.6	88.	.152	.166	.367	106.	137.	524.	136.	116.	398.	225.
13 30 15	-.02	101.9	87.	.137	.174	.386	106.	141.	517.	137.	118.	398.	228.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY101-PY102	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PP 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 38 20	-.25	100.0	92.	.132	.215	.411	106.	143.	510.	143.	119.	398.	225.
13 30 25	-.12	101.6	90.	.112	.186	.440	108.	140.	510.	143.	121.	398.	222.
13 30 30	-.20	103.2	89.	.132	.161	.464	109.	149.	517.	152.	126.	398.	228.
13 30 35	-.05	103.2	87.	.122	.164	.455	109.	147.	516.	152.	126.	398.	231.
13 30 40	.05	94.8	86.	.898	.106	.445	106.	139.	513.	141.	121.	398.	233.
13 30 45	-.12	100.0	86.	.132	.252	.442	110.	140.	516.	147.	124.	398.	231.
13 30 55	-.20	102.6	87.	.117	.386	.420	106.	146.	513.	145.	121.	398.	225.
13 31 0	-.05	103.2	86.	.108	.367	.428	107.	146.	513.	149.	123.	398.	225.
13 31 5	-.20	101.9	85.	.188	.486	.411	106.	143.	513.	131.	120.	398.	221.
13 31 10	-.25	101.0	87.	.122	.386	.403	105.	144.	513.	135.	118.	398.	228.
13 31 15	-.20	103.2	87.	.073	.342	.313	107.	147.	511.	147.	122.	398.	231.
13 31 15	-.20	102.9	89.	.279	.403	.547	107.	145.	494.	149.	123.	398.	233.
13 31 20	-.10	103.9	91.	.448	.166	.958	107.	137.	494.	138.	121.	398.	247.
13 31 25	-.15	103.2	88.	.452	.156	.831	108.	142.	508.	144.	122.	398.	248.
13 31 30	-.10	102.6	89.	.406	.699	.298	107.	144.	520.	146.	128.	398.	249.
13 31 35	-.17	101.3	89.	.095	.523	.147	106.	141.	512.	148.	122.	396.	250.
13 31 40	-.20	101.9	77.	0.880	.849	.244	106.	138.	458.	141.	122.	398.	252.
13 32 17	-.12	102.6	81.	.015	.824	.393	108.	137.	415.	145.	124.	398.	253.
13 32 22	-.20	103.2	83.	.024	-.824	.518	109.	136.	369.	146.	125.	394.	259.
13 32 35	-.15	101.0	82.	.015	-.012	.520	108.	137.	378.	148.	125.	398.	258.
13 32 32	-.48	103.9	82.	.820	.824	.538	109.	141.	378.	151.	126.	398.	261.
13 32 37	-.37	102.3	83.	.024	.820	.530	102.	138.	373.	145.	123.	398.	255.
13 32 42	-.20	98.8	85.	.820	.844	.510	106.	137.	364.	142.	121.	398.	258.
13 32 47	-.32	100.6	85.	.012	.022	.525	107.	138.	364.	146.	123.	398.	260.
13 32 57	.00	103.2	82.	.073	.029	.510	106.	134.	351.	136.	119.	398.	257.
13 33 2	-.20	103.2	82.	.032	.022	.511	107.	137.	363.	143.	122.	398.	258.
13 33 2	-.45	103.9	87.	-.005	.034	.503	108.	131.	357.	139.	121.	398.	256.
13 33 7	-.40	104.2	86.	.012	.032	.506	109.	135.	350.	148.	124.	398.	256.
13 33 12	-.40	103.2	86.	.034	.024	.499	106.	133.	357.	139.	119.	398.	254.
13 33 17	-.32	104.2	85.	.061	.044	.494	108.	132.	356.	142.	122.	398.	259.
13 33 27	-.30	105.2	84.	.059	-.005	.543	118.	139.	356.	154.	124.	398.	267.
13 33 33	-.07	103.9	84.	.054	.005	.516	111.	134.	356.	146.	123.	398.	267.
13 33 38	-.20	103.2	86.	.054	.844	.489	118.	137.	356.	152.	121.	398.	263.
13 33 51	-.20	104.2	86.	.054	.051	.494	110.	135.	357.	151.	124.	398.	264.
13 73 48	-.20	102.6	86.	0.008	0.000	.499	106.	126.	349.	139.	121.	398.	263.
13 33 53	-.20	103.9	86.	.028	.017	.494	108.	129.	353.	146.	124.	398.	262.
13 33 53	-.05	103.9	86.	-.005	.049	.464	118.	132.	352.	147.	124.	398.	261.
13 33 58	-.27	99.3	84.	.812	.037	.404	118.	136.	353.	158.	125.	398.	261.
13 34 3	.00	101.3	84.	.849	.820	.459	106.	136.	339.	139.	120.	398.	261.
13 34 8	.05	102.3	84.	.044	.015	.496	106.	135.	346.	144.	123.	398.	261.
13 34 13	-.35	105.2	86.	.039	.039	.489	110.	137.	356.	156.	125.	398.	263.
13 34 18	-.30	104.2	85.	.815	.020	.501	109.	136.	354.	153.	126.	398.	261.
13 34 23	-.50	102.6	86.	0.000	.024	.489	107.	120.	350.	139.	121.	398.	261.
13 34 29	-.35	102.6	86.	.005	.012	.503	107.	131.	352.	143.	121.	398.	261.
13 34 42	-.48	103.2	86.	.005	.015	.464	107.	129.	352.	139.	121.	398.	261.
13 34 39	-.40	103.9	86.	.020	.824	.479	109.	132.	346.	147.	122.	398.	261.
13 34 44	-.05	103.2	86.	.049	.885	.489	109.	130.	354.	149.	121.	398.	265.
13 34 49	-.02	102.9	85.	.042	.010	.484	107.	130.	357.	144.	121.	398.	264.
13 34 54	-.25	103.2	86.	.049	.034	.430	107.	137.	355.	147.	123.	398.	265.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERGY GERRTR COOLNG EXIT	AF 26 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR OWNSTR OF ANTI ICE VL
16													
13 34 59	-.32	106.1	87.	.032	.024	.452	106.	132.	354.	144.	128.	398.	263.
13 35 4	-.60	97.4	86.	.024	.015	.499	106.	130.	352.	139.	121.	398.	265.
13 35 9	-.35	102.6	85.	.034	.027	.464	106.	129.	352.	133.	124.	398.	265.
13 35 14	.08	105.8	82.	.020	.029	.499	111.	136.	354.	147.	131.	398.	264.
13 35 19	-.05	105.8	84.	.032	.037	.469	118.	137.	354.	149.	134.	398.	263.
13 35 24	-1.05	103.9	84.	.029	.020	.499	106.	128.	355.	140.	133.	398.	265.
13 35 29	-.50	103.2	85.	.017	.010	.481	107.	128.	352.	142.	134.	398.	265.
13 35 34	-.20	104.5	80.	-.005	.015	.494	111.	137.	355.	160.	143.	398.	264.
13 35 39	-.32	105.5	82.	.005	.012	.491	109.	136.	362.	157.	142.	398.	265.
13 55 44	-.10	104.5	86.	.039	.020	.450	95.	134.	355.	167.	148.	398.	265.
13 51 26	4.45	107.8	85.	.010	.017	.457	101.	132.	350.	163.	139.	398.	247.
13 51 26	10.55	111.0	85.	-.020	.049	.435	112.	142.	358.	169.	134.	398.	238.
13 51 31	10.75	111.0	85.	.012	.022	.437	112.	139.	347.	163.	134.	398.	228.
13 51 36	10.80	106.5	86.	.015	.015	.425	110.	136.	347.	154.	129.	398.	228.
13 51 41	10.40	107.4	87.	.022	.024	.411	109.	137.	346.	156.	127.	398.	227.
13 51 46	9.95	110.4	90.	.024	.010	.450	110.	130.	345.	150.	133.	398.	226.
13 51 51	9.73	109.1	87.	.005	.015	.437	111.	135.	346.	160.	130.	398.	225.
13 51 57	9.50	109.7	86.	.029	.044	.435	112.	138.	347.	158.	132.	398.	226.
13 52 2	9.55	110.4	84.	.005	.027	.433	110.	139.	349.	162.	132.	398.	224.
13 52 15	9.95	111.0	86.	.005	-.010	.464	112.	138.	349.	163.	131.	398.	225.
13 52 12	5.65	118.0	86.	.002	.017	.455	111.	138.	349.	159.	130.	398.	225.
13 52 17	-.40	110.4	85.	-.005	.015	.430	110.	132.	345.	149.	128.	398.	223.
13 52 22	-.35	110.7	85.	-.002	.032	.367	110.	137.	346.	157.	130.	398.	222.
13 52 35	-.25	112.3	83.	-.010	.024	.440	114.	132.	349.	167.	134.	398.	226.
13 52 32	-.35	111.6	85.	.005	.029	.423	112.	133.	347.	160.	131.	398.	223.
13 52 37	-.10	110.4	86.	0.000	.015	.464	111.	138.	345.	156.	126.	398.	224.
13 52 42	-.20	111.0	86.	.022	.027	.442	110.	138.	345.	154.	126.	398.	225.
13 52 47	-.10	110.4	89.	.020	.029	.440	110.	132.	344.	153.	129.	398.	224.
13 52 52	-.15	110.4	89.	.034	.044	.423	110.	134.	344.	152.	128.	398.	223.
13 52 57	6.60	111.0	86.	.005	.029	.425	111.	133.	344.	152.	128.	398.	225.
13 53 2	6.63	110.7	83.	.007	.032	.423	110.	129.	346.	149.	128.	398.	225.
13 53 7	.00	111.0	90.	.054	.005	.435	112.	130.	345.	161.	132.	398.	225.
13 57 28	.08	112.9	88.	.024	.017	.410	116.	130.	346.	150.	131.	398.	223.
13 57 30	-.20	112.9	87.	.020	.054	.430	106.	131.	346.	149.	120.	398.	221.
13 57 35	-.17	112.6	88.	.161	.110	.584	109.	134.	367.	149.	127.	399.	228.
13 57 48	-.40	113.6	85.	.459	.508	.621	114.	130.	419.	161.	131.	399.	223.
13 57 40	-.38	113.3	86.	.523	.826	.599	112.	129.	445.	155.	128.	398.	224.
13 57 45	-.30	112.3	90.	1.193	1.672	.635	110.	144.	530.	159.	127.	398.	226.
13 57 50	-.35	111.6	88.	.931	1.442	.464	112.	146.	567.	160.	129.	398.	227.
13 58 0	-.20	111.0	92.	.401	.934	.264	113.	151.	657.	159.	126.	398.	231.
13 58 0	-.07	110.4	95.	.354	.819	.235	113.	151.	690.	168.	128.	398.	230.
13 58 5	.00	111.0	92.	.283	.508	.215	110.	153.	758.	156.	129.	398.	219.
13 58 10	-.22	111.3	92.	.252	.474	.247	111.	151.	763.	154.	129.	398.	226.
13 58 15	-.45	112.9	95.	.244	.503	.288	115.	162.	784.	165.	133.	397.	237.
13 58 20	-.22	112.3	95.	.237	.401	.340	112.	158.	790.	159.	131.	398.	239.
13 58 25	-.05	112.9	92.	.283	.518	.411	115.	162.	786.	167.	138.	398.	248.
13 58 31	.03	111.6	93.	.217	.494	.345	115.	164.	797.	166.	135.	398.	244.
13 58 36	-1.05	112.3	94.	.308	.474	.293	117.	171.	810.	167.	134.	398.	242.
13 58 41	-.57	112.9	95.	.318	.479	.345	116.	167.	811.	166.	135.	398.	243.

TIME H/M/S	CS 7 ANGLE OF ATTACK (TRUE)	AF 6 TEMP FUEL TRAP TANK BTM CENTR	AF 29 PRESS AIR COOLER OUTLET L/HENG	EC 31 UPSTRM OF WATR S PY255-PY256	EC 34 PRES CABIN FLOW SUPPLY	EC 37 FLOWPR FWDTRM OF EQ BAY PY181-PY182	EC 114 TEMP EMERCY GERRTR COOLNG EXIT	EF 25 TEMP AIR INLET OIL COOLER L/HENG	PR 17 TEMP AIR BLEED TO R/H STARTR	SP 13 TEMP HYD OIL INLET COOLER R/H	SP 14 TEMP HYD OIL OUTLET COOLER R/H	SP 15 FREQ AC GEN L/HENG	EC 66 TEMP AIR DWNSTR OF ANTI ICE VL
16													
13 58 46	-.10	111.0	95.	.303	.479	.401	114.	162.	811.	156.	133.	398.	249.
13 58 51	.00	111.0	92.	.286	.474	.415	113.	162.	801.	154.	132.	398.	249.
13 58 56	-.25	112.9	76.	-.864	.015	.254	114.	164.	642.	161.	133.	398.	247.
13 59 1	-.17	113.3	78.	-.078	.022	.327	115.	165.	623.	162.	134.	398.	247.
13 59 6	.30	113.6	80.	-.064	0.000	.435	116.	169.	546.	165.	132.	398.	250.
13 59 11	.08	113.6	79.	-.046	0.000	.433	114.	165.	531.	159.	131.	398.	246.
13 59 16	.05	112.9	76.	-.039	0.000	.469	114.	167.	482.	167.	134.	398.	249.
13 59 21	.03	112.9	75.	-.032	.002	.484	114.	165.	469.	165.	134.	398.	250.
14 6 3	-.20	110.4	71.	-.024	0.000	.469	114.	158.	437.	165.	134.	398.	253.
14 6 8	-.02	114.9	74.	-.032	.010	.467	115.	148.	396.	164.	140.	398.	253.
14 6 13	.10	120.7	72.	-.044	.015	.489	117.	133.	345.	160.	147.	398.	254.
14 6 18	.15	120.4	73.	-.042	.017	.479	117.	134.	344.	155.	147.	398.	253.
14 6 23	-.15	120.7	72.	-.020	.015	.474	116.	135.	344.	147.	143.	398.	252.
14 6 23	-.12	120.7	74.	-.005	.029	.462	117.	136.	344.	156.	146.	398.	251.
14 6 33	.05	117.5	68.	-.064	.020	.371	116.	139.	354.	147.	142.	398.	249.
14 6 33	.08	118.1	69.	-.054	.012	.420	117.	138.	349.	154.	145.	398.	250.
14 46 38	-.40	120.1	74.	0.000	.029	.459	117.	136.	342.	145.	143.	398.	252.
45 85 85	-.47	119.4	72.	0.000	.042	.464	117.	139.	341.	146.	142.	398.	251.
14 13 14	-.15	123.3	72.	-.029	.034	.503	118.	135.	359.	153.	138.	399.	198.
14 13 19	-.07	123.6	72.	-.051	.039	.535	118.	142.	369.	153.	129.	398.	198.
14 53 24	-.48	123.9	67.	-.059	.059	.567	119.	149.	386.	154.	128.	399.	198.
14 13 29	-.12	123.9	65.	-.071	.034	.562	117.	138.	398.	155.	129.	398.	197.
14 13 29	-.48	124.6	74.	-.083	0.000	.582	117.	147.	408.	154.	128.	398.	194.
14 13 34	-.25	125.2	75.	-.093	0.000	.574	118.	144.	401.	154.	125.	398.	194.
0 0 0	-.40	125.2	70.	-.083	.028	.582	119.	146.	408.	154.	127.	398.	198.
45 85 85	-.72	125.9	71.	-.060	.037	.555	119.	148.	408.	154.	127.	398.	191.
45 85 85	-.20	124.6	73.	-.088	.034	.547	119.	150.	418.	155.	127.	399.	191.
14 16 8	-.27	124.3	72.	-.081	.044	.552	119.	143.	410.	155.	127.	398.	198.
14 16 5	.20	120.7	68.	-.269	.015	.069	119.	141.	400.	154.	128.	391.	198.
14 16 10	.05	122.0	50.	-.293	.032	.012	119.	143.	396.	154.	130.	396.	189.
14 16 15	.00	123.9	17.	-.259	.034	.039	119.	143.	394.	152.	138.	400.	183.
14 16 21	-.10	124.6	12.	-.254	.022	.034	118.	143.	386.	153.	148.	400.	185.
14 16 26	-.05	125.2	1.	-.215	.034	-.049	118.	144.	378.	153.	145.	400.	183.
14 16 31	-.10	124.9	-0.	-.225	.037	-.049	118.	144.	378.	150.	145.	400.	184.
14 16 36	-.05	125.9	-1.	-.239	.034	-.064	119.	139.	370.	152.	143.	400.	198.
45 85 85	-.10	124.9	-1.	-.230	.015	-.042	118.	140.	368.	152.	146.	400.	191.
45 85 85	-.20	120.7	-0.	-.293	.015	0.000	118.	143.	354.	152.	142.	400.	188.
14 18 21	.00	122.6	-1.	-.298	.024	-.015	119.	146.	332.	148.	139.	400.	188.
14 18 27	-.35	124.6	0.	-.357	.015	.010	120.	151.	310.	144.	136.	400.	189.
14 18 32	-.22	124.3	-1.	-.340	.027	-.010	120.	151.	309.	143.	137.	400.	188.
14 18 37	-.45	125.9	-3.	-.342	.005	.015	116.	158.	307.	143.	136.	400.	189.
14 18 42	-.27	125.6	-0.	-.330	.012	.010	118.	149.	307.	143.	136.	400.	189.
14 18 55	-.10	125.9	-0.	-.318	.054	-.024	120.	150.	307.	141.	136.	400.	188.
14 18 52	-.12	125.9	-0.	-.323	.046	-.023	120.	150.	308.	142.	135.	400.	187.
14 18 57	-.30	121.4	0.	-.342	.029	0.000	121.	149.	310.	144.	136.	400.	189.
14 19 2	-.15	123.3	-4.	-.318	.039	-.012	121.	150.	307.	143.	136.	400.	186.
14 19 7	.00	125.2	-2.	-.230	.005	-.005	121.	150.	304.	142.	136.	400.	187.
0 1 12	-.10	125.6	-1.	-.237	.015	-.002	121.	150.	304.	142.	136.	400.	188.

C COMMUTATOR

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 DEGF
17				
12 55 53	LOW	LOW	101.	111.
12 55 58	LOW	LOW	102.	109.
12 56 3	LOW	LOW	102.	112.
12 56 8	LOW	LOW	98.	112.
12 56 13	LOW	LOW	105.	110.
12 56 18	LOW	LOW	104.	111.
12 56 28	LOW	LOW	100.	110.
12 56 33	LOW	LOW	101.	111.
12 56 38	LOW	LOW	102.	110.
12 56 43	LOW	LOW	102.	111.
12 56 51	LOW	LOW	101.	111.
12 56 48	LOW	LOW	102.	112.
12 56 53	LOW	LOW	102.	111.
12 56 58	LOW	LOW	102.	112.
12 57 3	LOW	LOW	101.	112.
12 57 8	LOW	LOW	104.	112.
13 22 20	LOW	LOW	105.	109.
13 22 25	LOW	LOW	104.	110.
13 22 30	LOW	LOW	103.	111.
13 22 35	LOW	LOW	104.	110.
13 22 40	LOW	LOW	103.	110.
13 22 45	LOW	LOW	103.	110.
13 22 50	LOW	LOW	102.	111.
13 23 0	LOW	LOW	102.	109.
13 23 5	LOW	LOW	102.	110.
13 23 5	LOW	LOW	102.	110.
13 23 10	LOW	LOW	105.	108.
13 24 43	LOW	LOW	104.	109.
13 24 48	LOW	LOW	103.	110.
13 24 61	LOW	LOW	104.	103.
13 24 58	LOW	LOW	103.	110.
13 25 3	LOW	LOW	104.	110.
13 65 8	LOW	LOW	103.	112.
13 25 13	LOW	LOW	103.	111.
13 25 18	LOW	LOW	103.	111.
13 25 23	LOW	LOW	103.	112.
13 25 28	LOW	LOW	103.	112.
13 25 33	LOW	LOW	102.	113.
13 25 43	LOW	LOW	105.	112.
13 65 48	LOW	LOW	104.	111.
13 25 53	LOW	LOW	105.	110.
13 25 58	LOW	LOW	104.	111.
13 25 58	LOW	LOW	105.	112.
13 26 3	LOW	LOW	105.	112.
13 26 8	LOW	LOW	104.	114.

TIME H/M/S	AF 39 BULK HEAD FS476 DEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 DEGF
17				
13 26 13	LOW	LOW	100.	115.
13 26 18	LOW	LOW	103.	116.
13 26 23	LOW	LOW	103.	116.
13 26 29	LOW	LOW	103.	114.
13 26 34	LOW	LOW	100.	115.
13 26 39	LOW	LOW	107.	116.
13 26 44	LOW	LOW	105.	115.
13 26 49	LOW	LOW	105.	113.
13 26 54	LOW	LOW	102.	116.
13 26 59	LOW	LOW	106.	113.
13 27 4	LOW	LOW	106.	114.
13 27 9	LOW	LOW	103.	115.
13 27 14	LOW	LOW	104.	115.
13 27 19	LOW	LOW	103.	110.
13 27 24	LOW	LOW	104.	117.
13 27 29	LOW	LOW	105.	113.
13 27 34	LOW	LOW	104.	116.
13 27 39	LOW	LOW	103.	117.
13 27 44	LOW	LOW	103.	118.
13 27 49	LOW	LOW	103.	116.
13 27 54	LOW	LOW	105.	113.
13 27 59	LOW	LOW	105.	115.
13 28 4	LOW	LOW	104.	116.
13 28 9	LOW	LOW	105.	100.
13 28 19	LOW	LOW	102.	114.
13 28 24	LOW	LOW	104.	115.
13 28 29	LOW	LOW	104.	114.
13 28 34	LOW	LOW	104.	116.
13 28 34	LOW	LOW	99.	116.
13 28 39	LOW	LOW	100.	119.
13 28 44	LOW	LOW	102.	117.
13 28 49	LOW	LOW	103.	118.
13 28 54	LOW	LOW	104.	116.
13 28 59	LOW	LOW	103.	117.
13 29 5	LOW	LOW	104.	118.
13 29 10	LOW	LOW	103.	118.
13 29 15	LOW	LOW	101.	117.
13 29 20	LOW	LOW	102.	117.
13 29 25	LOW	LOW	102.	118.
13 29 30	LOW	LOW	106.	116.
13 29 35	LOW	LOW	105.	117.
13 29 40	LOW	LOW	99.	117.
13 29 45	LOW	LOW	101.	118.
13 29 50	LOW	LOW	103.	119.
13 29 55	LOW	LOW	104.	119.
13 30 0	LOW	LOW	95.	120.
13 30 5	LOW	LOW	99.	119.
13 30 10	LOW	LOW	104.	117.
13 30 15	LOW	LOW	104.	119.

17

TIME H/M/S	AF 39 BULK HEAD FS476 OEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 OEGF
13 30 20	LOW	LOW	95.	120.
13 30 25	LOW	LOW	100.	118.
13 30 30	LOW	LOW	105.	119.
13 30 35	LOW	LOW	104.	117.
13 30 40	LOW	LOW	105.	119.
13 30 45	LOW	LOW	104.	118.
13 30 55	LOW	LOW	103.	116.
13 31 0	LOW	LOW	103.	117.
13 31 5	LOW	LOW	103.	119.
13 31 10	LOW	LOW	103.	110.
13 31 15	LOW	LOW	101.	121.
13 31 15	LOW	LOW	102.	121.
13 31 20	LOW	LOW	105.	118.
13 31 25	LOW	LOW	105.	110.
13 31 30	LOW	LOW	105.	120.
13 31 35	LOW	LOW	104.	120.
13 31 40	LOW	LOW	103.	118.
13 32 17	LOW	LOW	103.	117.
13 32 22	LOW	LOW	104.	110.
13 32 35	LOW	LOW	103.	119.
13 32 32	LOW	LOW	104.	116.
13 32 37	LOW	LOW	104.	117.
13 32 42	LOW	LOW	103.	121.
13 32 47	LOW	LOW	104.	120.
13 32 57	LOW	LOW	104.	120.
13 33 2	LOW	LOW	104.	118.
13 33 2	LOW	LOW	105.	116.
13 33 7	LOW	LOW	103.	110.
13 33 12	LOW	LOW	105.	119.
13 33 17	LOW	LOW	105.	118.
13 33 27	LOW	LOW	103.	119.
13 33 33	LOW	LOW	103.	110.
13 33 38	LOW	LOW	102.	110.
13 33 51	LOW	LOW	103.	117.
13 73 48	LOW	LOW	103.	119.
13 33 53	LOW	LOW	104.	117.
13 33 53	LOW	LOW	103.	117.
13 33 58	LOW	LOW	104.	117.
13 34 3	LOW	LOW	103.	119.
13 34 8	LOW	LOW	103.	119.
13 34 13	LOW	LOW	103.	117.
13 34 18	LOW	LOW	103.	110.
13 34 23	LOW	LOW	103.	116.
13 34 29	LOW	LOW	104.	110.
13 34 42	LOW	LOW	105.	116.
13 34 39	LOW	LOW	104.	116.
13 34 44	LOW	LOW	105.	115.
13 34 49	LOW	LOW	105.	116.
13 34 54	LOW	LOW	101.	117.

TIME H/M/S	AF 39 BULK HEAD FS476 OEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS770 OEGF
17				
13 34 59	LOW	LOW	101.	117.
13 35 4	LOW	LOW	105.	117.
13 35 9	LOW	LOW	105.	117.
13 35 14	LOW	LOW	95.	117.
13 35 19	LOW	LOW	98.	117.
13 35 24	LOW	LOW	106.	116.
13 35 29	LOW	LOW	105.	115.
13 35 34	LOW	LOW	103.	119.
13 35 39	LOW	LOW	103.	118.
13 55 44	LOW	LOW	105.	116.
13 51 26	LOW	*003000.	104.	116.
13 51 26	LOW	LOW	105.	117.
13 51 31	LOW	LOW	103.	117.
13 51 36	LOW	LOW	103.	120.
13 51 41	LOW	LOW	104.	119.
13 51 46	LOW	LOW	105.	116.
13 51 51	LOW	LOW	105.	117.
13 51 57	LOW	LOW	106.	117.
13 52 2	LOW	LOW	105.	117.
13 52 15	LOW	LOW	105.	117.
13 52 12	LOW	LOW	105.	118.
13 52 17	LOW	LOW	105.	118.
13 52 22	LOW	LOW	104.	118.
13 52 35	LOW	LOW	106.	116.
13 52 32	LOW	LOW	105.	116.
13 52 37	LOW	LOW	103.	119.
13 52 42	LOW	LOW	104.	119.
13 52 47	LOW	LOW	105.	119.
13 52 52	LOW	LOW	104.	120.
13 52 57	LOW	LOW	104.	117.
13 53 2	LOW	LOW	105.	117.
13 53 7	LOW	LOW	105.	118.
13 57 28	LOW	LOW	104.	119.
13 57 38	LOW	LOW	106.	118.
13 57 35	LOW	LOW	105.	119.
13 57 48	LOW	LOW	106.	116.
13 57 48	LOW	LOW	105.	118.
13 57 45	LOW	LOW	104.	120.
13 57 58	LOW	LOW	105.	118.
13 58 0	LOW	LOW	105.	119.
13 58 0	LOW	LOW	105.	119.
13 58 5	LOW	LOW	104.	122.
13 58 10	LOW	LOW	104.	121.
13 58 15	LOW	LOW	105.	121.
13 58 28	LOW	LOW	105.	121.
13 58 25	LOW	LOW	105.	123.
13 58 31	LOW	LOW	105.	120.
13 58 36	LOW	LOW	106.	123.
13 59 41	LOW	LOW	105.	123.

17

TIME H/M/S	AF 39 BJLK HEAD FS476 OEGF	AF 40 LOW CAP WING PIVOT	AF 41 WING PIVOT	AF 42 UP FRAME FS778 OEGF
13 58 46	LOW	LOW	105.	125.
13 58 51	LOW	LOW	105.	125.
13 58 56	LOW	LOW	105.	125.
13 59 1	LOW	LOW	105.	125.
13 59 6	LOW	LOW	105.	129.
13 59 11	LOW	LOW	104.	128.
13 59 16	LOW	LOW	105.	125.
13 59 21	LOW	LOW	105.	126.
14 6 3	LOW	LOW	103.	126.
14 6 8	LOW	LOW	104.	122.
14 6 13	LOW	LOW	105.	120.
14 6 18	LOW	LOW	105.	121.
14 6 23	LOW	LOW	106.	121.
14 6 23	LOW	LOW	106.	119.
14 6 33	LOW	LOW	103.	121.
14 6 33	LOW	LOW	105.	120.
14 46 38	LOW	LOW	105.	123.
45 85 85	LOW	LOW	105.	123.
14 13 14	LOW	LOW	105.	124.
14 13 19	LOW	LOW	105.	122.
14 53 24	LOW	LOW	104.	123.
14 13 29	LOW	LOW	105.	122.
14 13 29	LOW	LOW	106.	118.
14 13 34	LOW	LOW	103.	122.
0 0 0	LOW	LOW	105.	123.
45 85 85	LOW	LOW	105.	122.
45 85 85	LOW	LOW	105.	121.
14 16 8	LOW	LOW	107.	119.
14 16 5	LOW	LOW	106.	125.
14 16 10	LOW	LOW	106.	123.
14 16 15	LOW	LOW	106.	122.
14 16 21	LOW	LOW	106.	121.
14 16 26	LOW	LOW	104.	123.
14 16 31	LOW	LOW	105.	122.
14 16 36	LOW	LOW	106.	123.
45 85 85	LOW	LOW	105.	122.
45 85 95	LOW	LOW	105.	123.
14 18 21	LOW	LOW	105.	130.
14 18 27	LOW	LOW	106.	135.
14 18 32	LOW	LOW	106.	136.
14 18 37	LOW	LOW	105.	136.
14 18 42	LOW	LOW	105.	136.
14 18 55	LOW	LOW	106.	136.
14 18 52	LOW	LOW	106.	131.
14 18 57	LOW	LOW	110.	136.
14 19 2	LOW	LOW	109.	137.
14 19 7	LOW	LOW	106.	136.
0 1 12	LOW	LOW	105.	137.