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ABSTRACT

This report contains the progress of the first two phases of a three phase research effort to develop more accurate measures and weightings to improve maintenance manpower and other resource requirement prediction for operational and emerging aircraft weapon systems. Phases I and II consisted of a review of related studies; selection of a representative cross-section of aircraft and subsystems/equipments; identification of applicable parameters/variables; identification and acquisition of applicable input data; and analysis of selected aircraft subsystems/equipments for favorable relationships.

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KEY WORDS

Aircraft Parameters
Data Analysis
Environmental Parameters
Equipment Selection
Experience Data
Failures
Flying Hours
Hardware Parameters
Maintenance Parameters
Operational Parameters
Predictions
Sorties
Support
Resources

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GLOSSARY OF TERMS
(ABBREVIATIONS AND ACRONYMS)

ACFT	Aircraft
AFB	Air Force Base
AFLC	Air Force Logistics Command
AFM	Air Force Manual
AFSC	Air Force Systems Command
AGE	Aerospace Ground Equipment
AMS	Avionics Maintenance Squadron
AMST	Advance Medium STOL Transport
APU	Auxillary Power Unit
ASSY	Assembly
ATC	Air Training Command
AVG	Average
BAC	Boeing Aerospace Company
BCS	Boeing Computer Services
BLIS	Base Level Information System
BMW	Bomb Wing
DCM	Deputy Commander for Maintenance
DCO	Deputy Commander for Operations
DDC	Defense Documentation Center
DLSIE	Defense Logistics Studies Information Exchange
DOC	Document
EAC	Experience Analysis Center
ENG	Engine

FMS	Field Maintenance Squadron
FOD	Foreign Objects Damage
FTW	Fighter Training Wing
GIDEP	Government-Industry Data Exchange Program
HF	High Frequency
HR	Hour
HSI	Horizontal Situation Indicator
HRS	Hours
HYD	Hydraulic
IFF	Identify Friend or Foe
LAB	Laboratory
LB's	Pounds
LRU	Line Replaceable Unit
MAC	Military Airlift Command
MAINT	Maintenance
MAX	Maximum
MAW	Military Airlift Wing
MIER	Maintenance Impact Estimating Relationship
MIN	Minimum
MISC	Miscellaneous
MMH	Maintenance Manhour
MRD	Maintenance Resource Demand
MTBF	Mean Time Between Failure
NO	Number
NORM	Not Operational Ready Maintenance
NORS	Not Operational Ready Supply

OR	Operational Ready
ORG	Organization
O&S	Operations and Support
QC	Quality Control
R&R	Remove and Replace
R/T	Receiver/Transmitter
SAC	Strategic Air Command
SRU	Shop Removable Unit
STINFO	Scientific and Technical Information
SYS	System
TAC	Tactical Air Command
TACAN	Tactical Air Navigation
TFW	Tactical Fighter Wing
TO	Technical Order
TR	Technical Report
TTW	Tactical Trainin[illegible]
UHF	Ultra High Frequen[illegible]
USAFE	United States Air Forces Europe
VHF	Very High Frequency
WUC	Work Unit Code
WT	Weight
YR	Year

1.0 INTRODUCTION AND SCOPE

1.1 INTRODUCTION

This document presents the Phase I & II results of a study to seek ways of developing more accurate measures and weightings to improve resource requirement predictions for operational and emerging aircraft weapon systems. These improved measures can then be used on new aircraft programs to predict maintenance demands (human and material), for design tradeoff studies early in the system development process to reduce the overall weapon system life cycle cost and increase mission readiness.

The study plan was developed and because of the scope of the effort and allocated resources, the study was structured into three phases. Phase I was structured to study aircraft avionics and engine subsystem equipments. Phase II was structured to study the other remaining aircraft subsystems, such as: landing gear, hydraulic, fuel, etc. Phase III will consist of in-depth analysis of detected relationships and the development of an automated standardized parametric generating technology base for predicting logistics support requirements for use on new aircraft development programs. The information presented in this document describes the overall study and documents the Phase I & II efforts.

1.2 SCOPE

The scope of the work planned for the overall study effort encompasses the following activities;

(1) Develop overall study plan;
(2) Identify, obtain and review current publications;
(3) Subsystem equipment selection;
(4) Parameter identification;
(5) Identify, obtain and process historical field experience data;
(6) Data analysis/parameter prioritizing; and
(7) Data automation and documentation

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2.0 BACKGROUND

The Logistics Modeling and Input-Output Data Requirement (see References 1 through 4) constitutes a widely recognized Air Force system of computer modeling/analysis techniques designed to simulate the operations and support functions of current inventoried and new development aircraft within the DoD. These standard Air Force models, as called out in new requests for proposals, are used to predict manpower and material requirements of emerging weapon systems (i.e., E-3A, E-4A, AMST, etc.). The input parameters for such simulation are traditionally elements such as maintenance actions, failures and/or tasks based on sorties or flying hours. These measures, in some cases, may be totally irrelevant. Some irrelevant measures cause erroneous estimates of manpower and material support requirements. Implementation of these erroneous requirements wastes money and/or reduces system/subsystem readiness. For example, Figure 2.0-1 shows C-130E maintenance manhours consumption based on both flight hours and landings, and Table 2.0-1 reflects aircraft tire failures based on flying hours, sorties and landings. The problem is choosing which measure should be used in predicting maintenance manhours required to correct landing gear failures for a related but new landing gear subsystem. This problem is similar for most types of hardware whether mechanical or electrical/electronic. Another problem with the traditional flight hour measure is that it is insensitive to operational and environmental conditions. For example, in current practice, wide swings in flying hours result in wide swings in maintenance manhours/flight hour measures when in reality, the maintenance resource load hardly varies (Reference 5). Also, there is the environmental/weather impact on maintenance, which may be relatively unrelated to the flying hour or sortie measure.

The need for more accurate means to predict maintenance manpower and material resource requirements and costs for new systems is well documented. See References 6 through 12.

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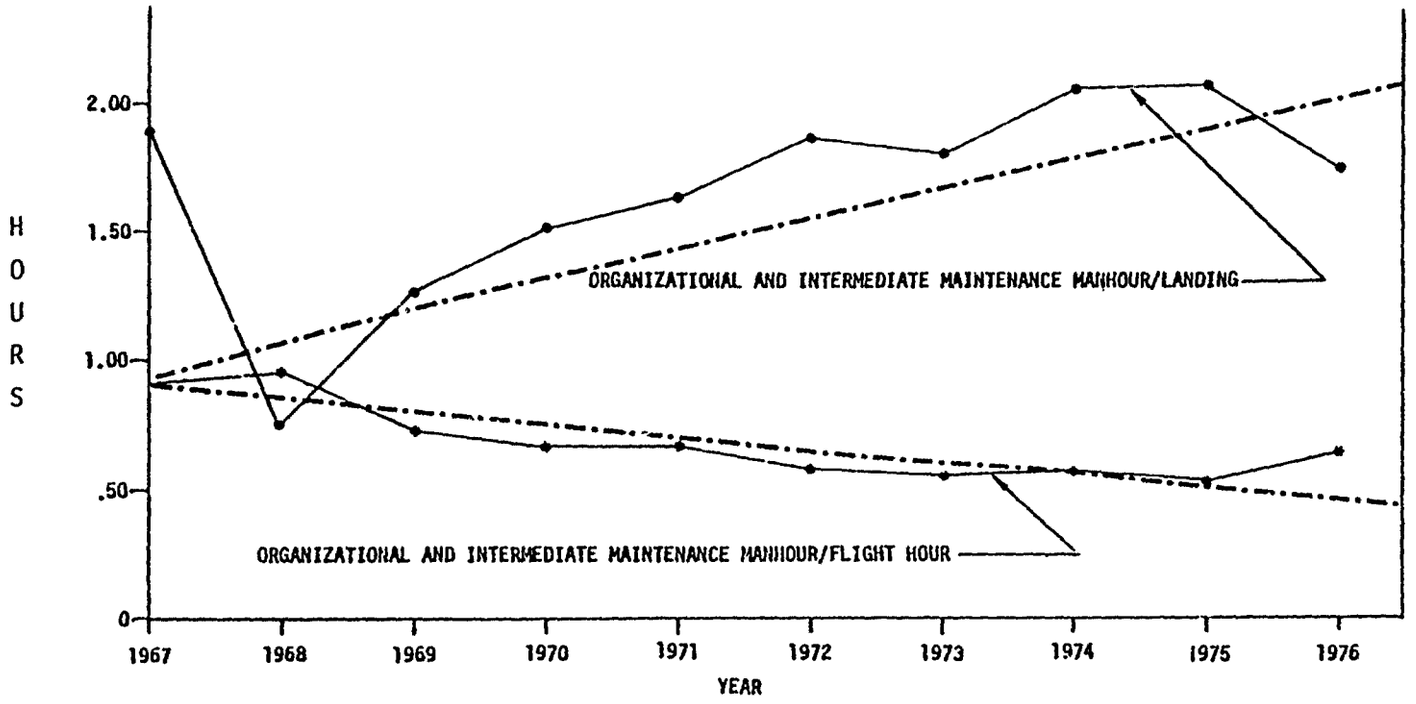

FIGURE 2.0-1 C-130E LANDING GEAR MAINTENANCE

TABLE 2.0-1 AIRCRAFT TIRE FAILURES

Failures per 1,000 flight-hours		Failures per 1,000 sorties		Failures per 1,000 landings	
F-104	50.7	F-104	75.8	F-104	76.8
T-38	43.7	B-58	68.8	B-58	68.3
F-105	26.5	T-38	61.5	F-105	41.4
F-4C	20.1	F-105	42.2	F-4C	29.6
B-58	10.9	F-4C	34.2	T-38	22.9
F-111A	7.8	C-141	33.8	B-52	15.3
C-141	4.4	C-130	29.6	C-130	13.7
C-130	3.8	B-52	27.3	F-111A	13.3
C-123	3.4	KC-135	17.4	C-123	8.6
KC-135	3.0	F-111A	16.5	KC-135	8.3
B-52	2.9	C-123	8.6	C-141	5.4

*Failure rates listed in descending order.

3.0 STUDY OBJECTIVE

The general objective of this research project is to develop more accurate measures and weightings to improve the manpower and other resource requirement predictions for operational and emerging aircraft weapon systems. These improved measures can then be used on new aircraft programs to predict maintenance demand rates for design tradeoff studies early in the system development process to reduce life cycle costs and increase aircraft mission readiness. Specifically the study objectives were to:

(1) During Phase I review related studies; select a representative cross-section of aircraft and subsystems/equipments; identify the applicable parameters/variables; acquire the data and analyze the avionics and engine subsystems for favorable relationships.

(2) During Phase II continue to analyze the favorable relationships on the avionics and engine subsystems while acquiring data and analyzing the other non-electronic or engine aircraft subsystems for additional favorable relationships.

(3) During Phase III the next step is to perform in-depth analysis of the detected relationships developed in Phases I and II and develop estimating models/equations for both single and composite parameter data sets. These equations and formulas will then be automated in a standardized parametric generating technology base for predicting logistic support requirements for use on new aircraft development programs.

4.0 DETAILS OF THE STUDY

The following sections provide the details of the study application and approach and presents the Phase I results, conclusions, recommendations, and supporting data.

4.1 STUDY PLAN - TASK I

Application of the chosen approach required the selection of a study subject population; the selection of representative equipments/ equipment characteristics for analysis; the selection of the various parameters; the development of data normalization strategy; refinement of existing computer programs to ease the data manipulation workloads; the extraction of appropriate study data; and the integration, manipulation, and analysis of the foregoing elements to obtain meaningful relationships. There are two unique features to the plan for conducting the study:

(1) Make use of the great amount of documents, papers, research reports, studies and actual aircraft field operational and maintenance data already on hand within the Boeing Aerospace Company Experience Analysis Center.

(2) Make use of a unique Boeing developed data manipulating and crossplotting computer program which facilitates the rapid screening and testing of large numbers of variable combinations for possible casual relationships. This program contains data normalizing subroutines which can be used to identify and highlight subtle relationships among variables which might otherwise be missed.

4.1.1 General Approach

The general approach to satisfying the study objective of developing more accurate measures and weightings to improve the manpower and other support resource requirement predictions for operational and emerging aircraft weapon systems is illustrated by the macro level task flow diagram of Figure 4.1.1-1. This approach is an overview of the entire study that will result in an organized and prioritized body of decision criteria and parameters that may be used by logistics managers, supervisors, technicians, and other decision makers in the process of predicting resource demand rates for operational and new emerging aircraft weapon systems.

The fundamental approach for the overall study is to identify, acquire and analyze actual data gathered on selected hardware from a cross-section of Air Force aircraft. Consideration of the time and study resources available required the study to be structured into three phases to be completed sequentially. Phases I and II were accomplished and the results are contained in this document and Phase III is planned for follow-on research.

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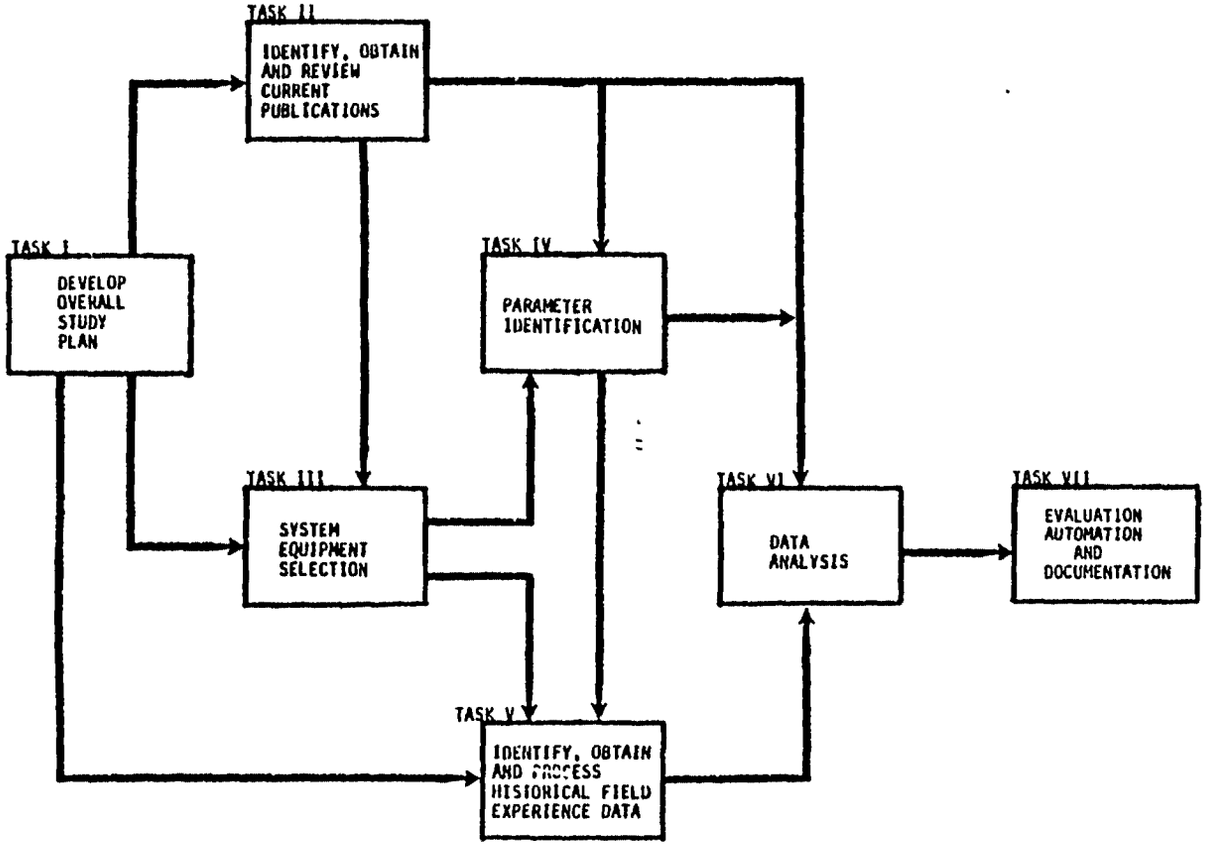

FIGURE 4.1.1-1 MACRO LEVEL TASK FLOW DIAGRAM - SUPPORT RESOURCE DEMAND PARAMETERS (AIRCRAFT)

The following subtasks were planned and accomplished during Phase I:

Task I - Develop Overall Study Plan

(a) Develop general approach
(b) Develop project schedules
(c) Identify data requirements
(d) Develop key word list for STINFO search

Task II - Identify, Obtain and Review Current Publications

(a) Request STINFO search
(b) Identify, obtain and review applicable documentation
(c) Construct data file, categories and elements
(d) Develop data file compendium

Task III - Subsystem Equipment Selection

(a) Identify candidate aircraft for which data is available
(b) Develop aircraft subsystem equipment selection criteria
(c) Identify (by matrices) subsystem equipment applications by type aircraft
(d) Select subsystem/equipment item candidates to be studied

Task IV - Parameter Identification

(a) Identify potential impact parameters
    (1) Maintenance
    (2) Hardware
    (3) Operational
    (4) Environmental
    (5) Aircraft general characteristics

(b) Construct parameter input data lists for computerized analysis
    (1) Maintenance
    (2) Hardware
    (3) Operational
    (4) Environmental
    (5) Aircraft general characteristics

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Task V - Identify, Obtain and Process Historical Field Experience Data - Avionics and Engine Subsystems

(a) Identify data elements and categories

(b) Identify and screen data from in-house or other known sources

(c) Obtain and process data for analysis using existing data processing programs when possible

(d) Enter applicable data into the data file developed in Task II

Task VI - Data Analysis/Parameter Prioritizing - Avionics and Engine Subsystems

(a) Evaluate equipment/parameter selection and formulate collected data

(b) Apply "PKING" data manipulation program to the equipment/parameter source data and produce scatterplots

(c) Visually screen output scatterplots to detect likely parametric relationships

The fcllowing subtasks were planned and accomplished during Phase II:

Task III - Subsystem Equipment Selection

(a) Select other aircraft subsystem equipment candidates to be studied, such as; landing gear, hydraulic, fuel, etc.

Task IV - Parameter Identification - Other Aircraft Subsystems

(a) Identify potential impact parameters

(1) Maintenance
(2) Hardware
(3) Operational
(4) Environmental
(5) Aircraft general characteristics

(b) Construct parameter input data lists for computerized analysis

(1) Maintenance
(2) Hardware
(3) Operational
(4) Environmental
(5) Aircraft general characteristics

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Task V - Identify, Obtain and Process Historical Field Experience Data - Other Aircraft Subsystems

(a) Identify data elements and categories

(b) Identify and screen data from in-house or other known sources

(c) Obtain and process data for analysis using existing data processing programs when possible

(d) Enter applicable data into the data file developed in Task II

Task VI - Data Analysis/Parameter Prioritizing - Other Aircraft Subsystems

(a) Evaluate equipment/parameter selection and formulate collected data

(b) Apply "PKING" data manipulation program to the equipment/parameter source data and produce scatterplots

(c) Visually screen output scatterplots to detect likely parametric relationships

(d) Apply regression analysis to suspected relationships

(e) Rank order relationships for strength of correlation

The following subtask is planned for follow-on during Phase III:

Task VII - Evaluation, Automation, and Documentation

(a) Perform in-depth analysis/evaluation of detected relationships developed during Phases I and II

(b) Automate the actual relationships (equations and formulas) during the in-depth analysis process

(c) Document results

4.1.2 Study Schedule and Milestones

The overall study schedule and major milestones are presented in Figure 4.1.2-1. The Phase I - 1978 portion reflects the schedule and study accomplishments for the calendar year 1978 and the Phase II - 1979 portion reflects the schedule and study accomplishments for the calendar year 1979. The Phase III portion shows the planned schedule and milestones for calendar years 1980 - 1981.

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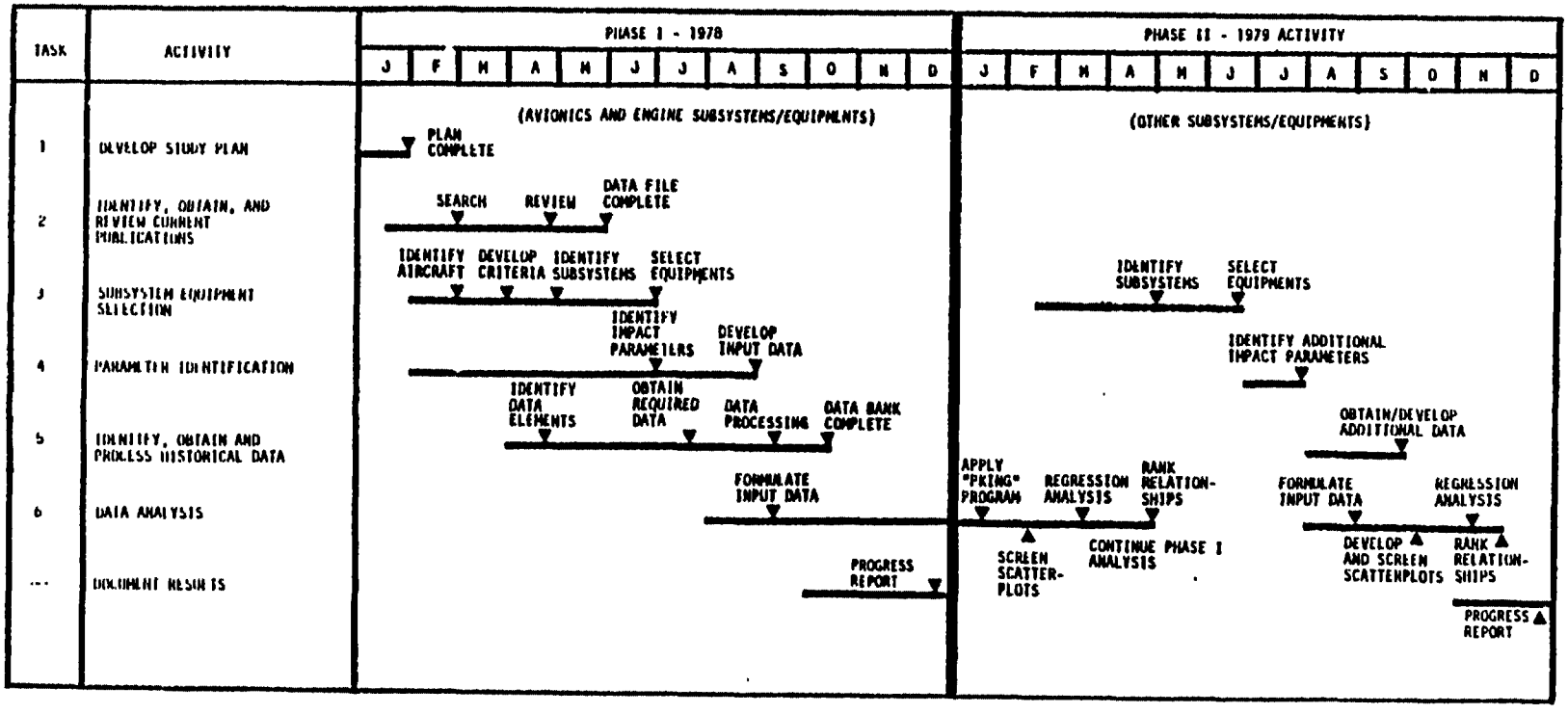

FIGURE 4.1.2-1 OVERALL STUDY SCHEDULE AND MILESTONES

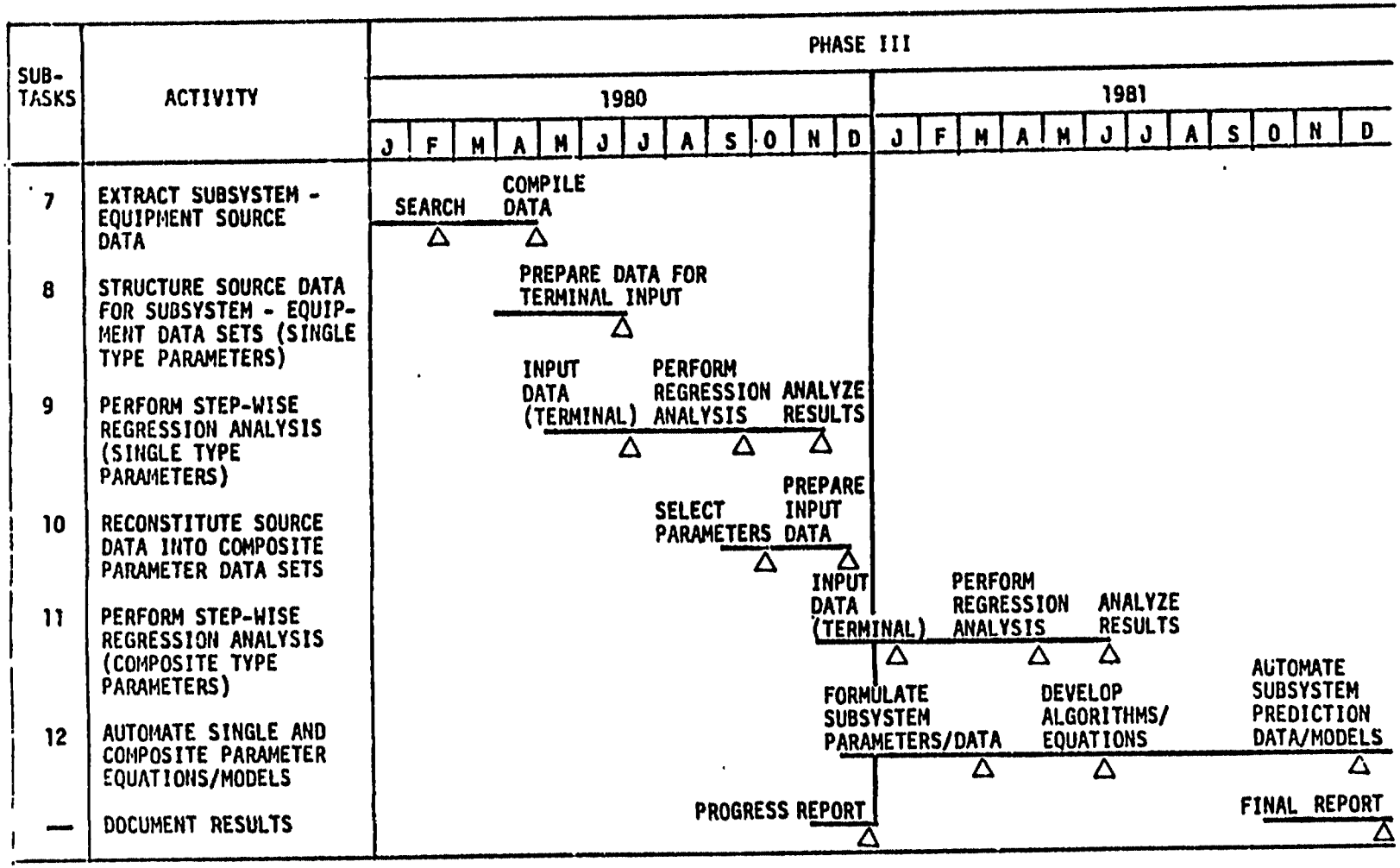

FIGURE 4.1.2-1 OVERALL STUDY SCHEDULE AND MILESTONES (CONT)

4.2 IDENTIFY, OBTAIN, AND REVIEW CURRENT PUBLICATIONS - TASK II

A review of related research and/or descriptive studies, for the past ten years, published about aircraft weapon system maintenance causes and measures/rates of occurrences was conducted. This task was divided into subtasks as reflected on the Task II activity flow depicted in Figure 4.2-1.

4.2.1 STINFO Search

The initial step of Task II began with a STINFO (Scientific and Technical Information) search. This study related information search was conducted through the Boeing Aerospace Company - Kent Library, and covered such repositories as reflected in Figure 4.2.1-1.

4.2.2 Identify, Obtain, Screen, and File Applicable Documentation

The STINFO search described above provided various computer listings and other types of indexes that were screened for applicable publications/literature. Over 1,200 abstracts were screened and well over 300 documents were obtained and reviewed for their direct application to this research study, and over 100 of these were retained for entry into the research data bank as reflected in Figure 4.2.1-1. Reference the Bibliography in this document for a list of the documents/articles retained within the study data bank.

4.3 SUBSYSTEM EQUIPMENT SELECTION - TASK III

In order to scope the study to the resources and time available, the subject aircraft and subsystem equipments were limited to a representative selection of Air Force aircraft currently in inventory for which current adequate operational data was available. The subsystem equipment selection task was then divided into a set of subtasks sequentially organized as presented in Figure 4.3-1. The selection process as depicted in Figure 4.3-1 resulted in the selection of a representative sample of aircraft and specific subsystem equipments to be studied. These equipment samples were used as the subjects of our parametric maintenance resource demand analysis described below in Tasks IV, V, and VI. They were selected to represent a wide variation in equipment types, design technology, parts size, types, and operational and envoronmental conditions. The following discussion details the approach and subsystem equipment selection process.

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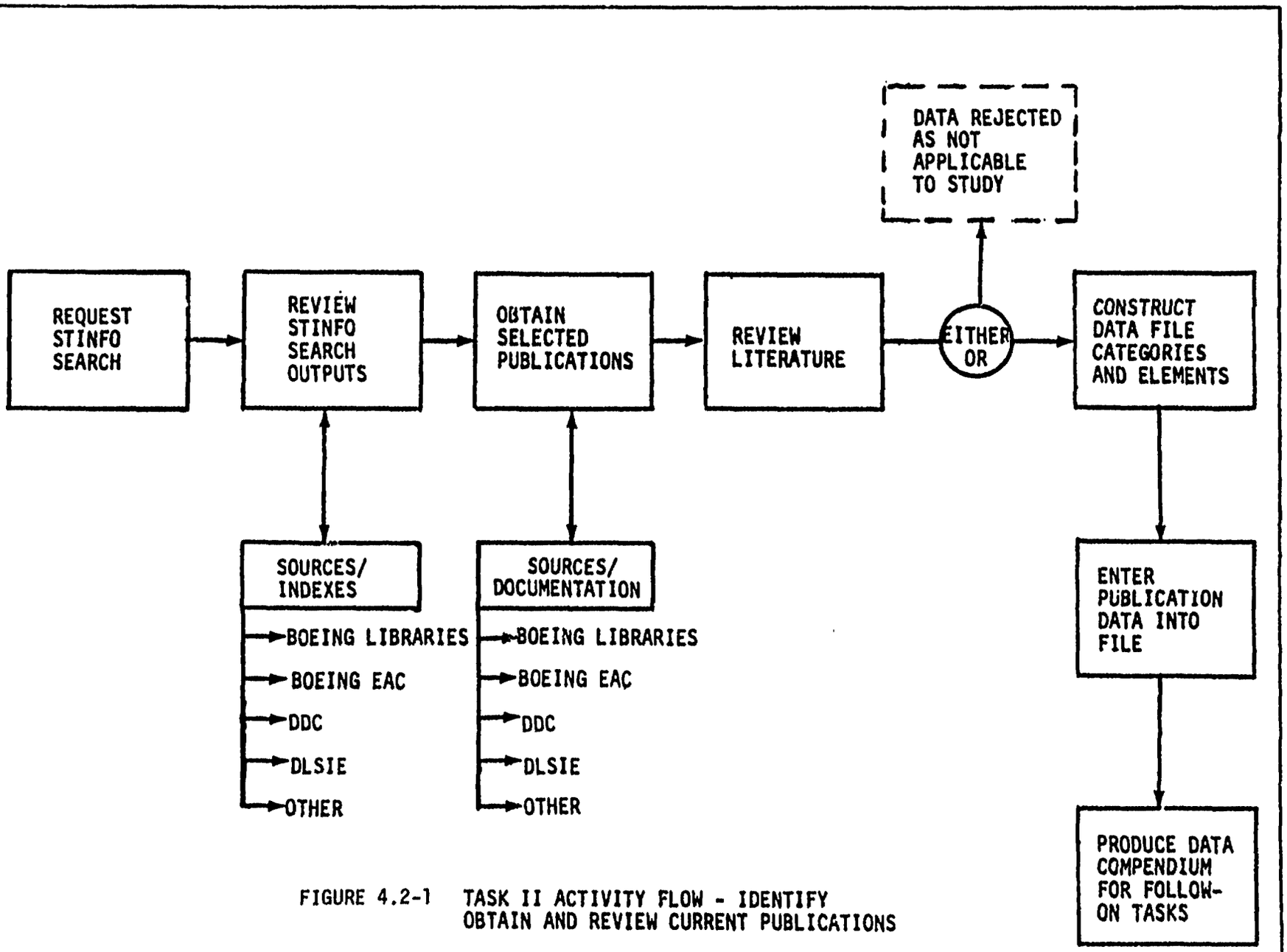

FIGURE 4.2-1 TASK II ACTIVITY FLOW - IDENTIFY OBTAIN AND REVIEW CURRENT PUBLICATIONS

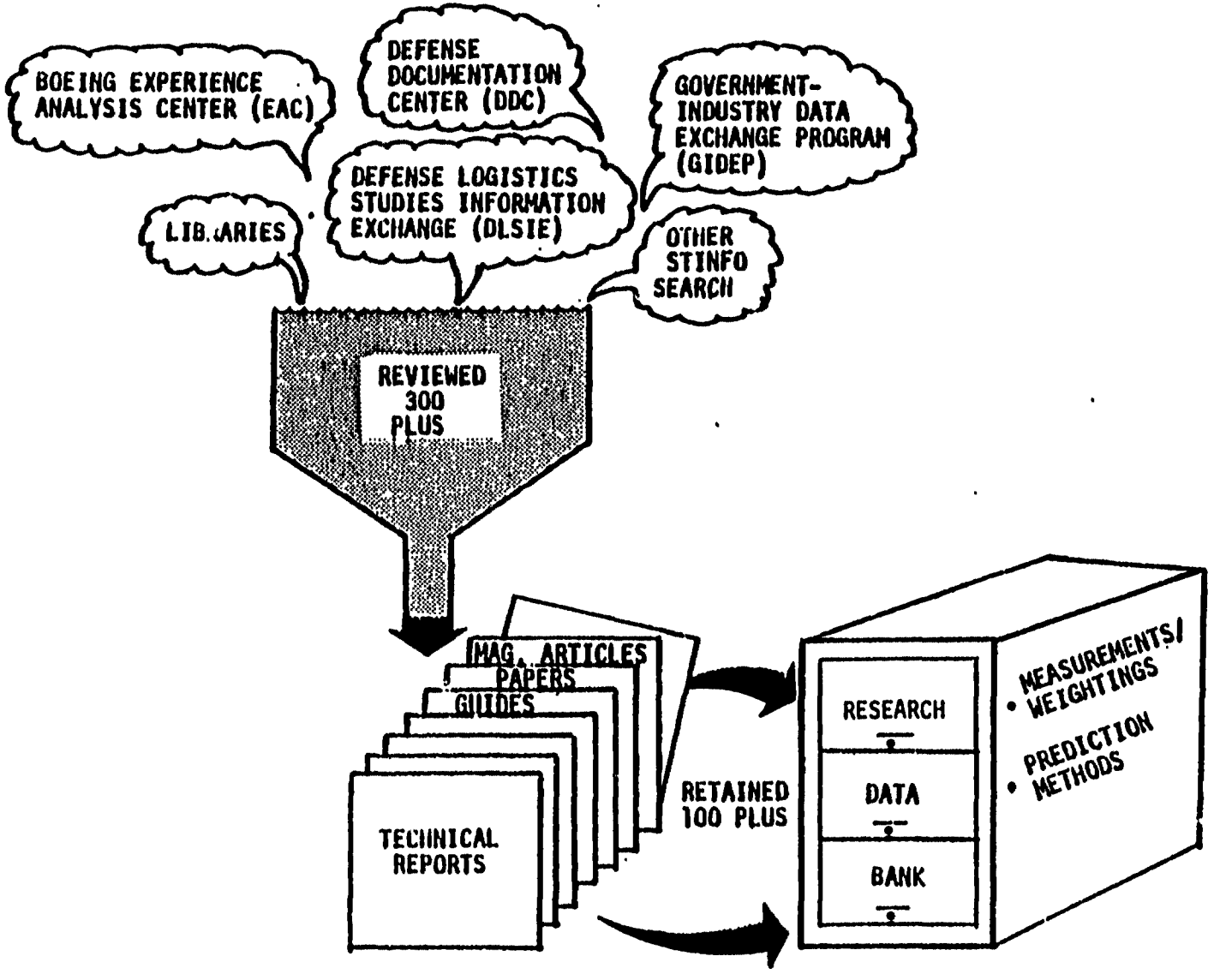

FIGURE 4.2.1-1 STINFO SEARCH PROCESS

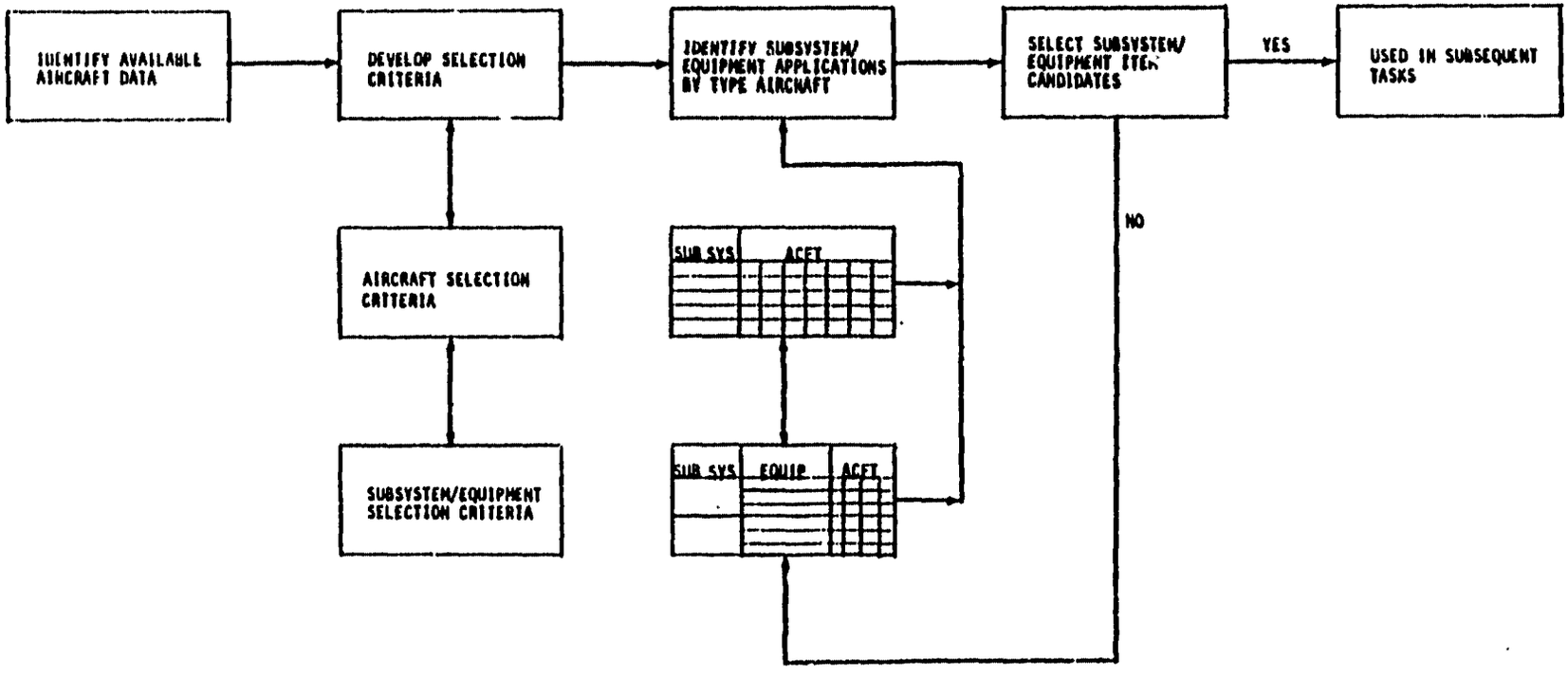

FIGURE 4.3-1 TASK III ACTIVITY FLOW - SUBSYSTEM EQUIPMENT SELECTION

4.3.1 Identify Candidate Aircraft

A preliminary list of candidate aircraft was compiled considering the following preliminary criteria:

(1) Representative aircraft of various types currently in the Air Force inventory, i.e. bomber, cargo/transport, fighter, trainer, and attack.

(2) Wide range of operational usage and different environments represented by the selected aircraft, i.e. different missions and operating locations across various types of aircraft.

(3) Wide range of avionic subsystems and engine applications with different complexity, packaging, and maturity represented within the selected aircraft.

(4) Substantially complete current AFM 66-1 data histories available for the selected aircraft.

The list of candidate aircraft originally compiled consisted of 15 different types of aircraft and after applying the above mentioned preliminary aircraft selection criteria the list was narrowed down to seven different types of aircraft being selected. Table 4.3.1-1 presents the selected aircraft in terms of aircraft type, model, series, dates of current AFM 66-1 data available and processed, command, total fleet flight hours, and aircraft utilization.

As shown in Table 4.3.1-1, the T-38A trainer was the only aircraft included for which the basic AFM 66-1 data was not already available within Boeing Experience Analysis Center and it was scheduled for acquisition in support of a contract study effort.

4.3.2 Identify Aircraft Subsystem equipment Selection Criteria

The initial subsystem equipment selection criteria was developed early in the study and was expanded on during the accomplishment of Task II - review of current publications. The selection criteria that was utilized during the actual subsystem equipment selection process was as follows:

(1) Equipment selected should be functionally representative of a wide cross-section of aircraft applications and use environments.

(2) Equipment selected should represent a wide variation in type, i.e. design technology (new-old), electrical/mechanical, parts count/complexity, maturity states, testability, and usage.

(3) Packaging and design technology must be projectable into the future to prevent obsolete technology from unduly biasing statistical relationships which will be used for future predictions.

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TABLE 4.3.1-1 STUDY AIRCRAFT SELECTED

AIRCRAFT			DATES OF AFM 66-1 DATA TO BE USED (ALL CONUS DATA)	DATA ALREADY PROCESSED BY BOEING	COMMAND	TOTAL NO. ACFT.	TOTAL FLYING HOURS	UTIL. ACFT./ MO.
TYPE	MODEL	SERIES						
Bomber	B-52	G	Jan - Dec 1977	Yes	SAC	158	65,643	34.62
	FB-111	A	Jan - Dec 1977	Yes	SAC	56	17,655	26.27
Cargo/ Trans-ports	C-141	A	Jan - Dec 1977	Yes	MAC	225	293,636	108.75
	KC-135	A	Jan - Dec 1977	Yes	SAC	428	136,590	26.59
Fighter	F-15	A	Jan - Dec 1977	Yes	TAC	116	27,121	19.48
Trainer	T-38	A	Jan - Dec 1977	No	ATC	744	299,645	33.56
Attack	A-10	A	Jan - Dec 1977	Yes	TAC	38	16,069	35.24

(4) Equipment must be mature enough for data samples to be taken beyond the learning curve period, yet include relatively new and old equipment.

(5) Equipment must have a statistically valid population of operational units in use.

(6) The equipment must have sufficient historical data available within Boeing sources for valid analysis.

(7) Equipment selected should represent a significant percentage of the total maintenance resources expenditure demands, i.e. maintenance manhours, failures, removals, costs, etc.

(8) Equipments should be of a nature for which factors other than just flying hours may contribute to their reliability/maintainability characteristics.

4.3.3 Identify Subsystem/Equipment Applications By Type Aircraft

The next logical process was to develop an aircraft versus subsystem application matrix for all aircraft subsystems. This was accomplished by detail review of each system in the applicable aircraft work unit code (-06) technical orders. Table 4.3.3-1 reflects the 476 Phase I (Avionic and Engine Subsystems) and Table 4.3.3-2 reflects the 468 Phase II (Other Subsystems) considered for further study. In order to reduce this large amount of subsystems down to a manageable number of subsystem equipments, those systems with a small number of subsystems and systems that showed up on less than five of the seven study aircraft were dropped out. In addition, subsystem equipments that could not satisfy the criteria of having functional equivalent equipments across at least five aircraft were also eliminated.

4.3.4 Select Subsystem Equipments

Utilizing the subsystem functional grouping matrices, the following sequential step by step subsystem equipment selection process was accomplished:

(1) Identified and listed all work unit codes (at the four and five digit level), for each of the subsystem equipment functional groupings.

(2) Totaled the number of failures reported against each of the work unit codes identified in step 1 above, from the Boeing processed AFM 66-1 data listings for each aircraft.

(3) Computed what percentage of the subsystem equipment functional grouping total failures each appropriate individual work unit code represents.

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TABLE 4.3.3-1 SYSTEM/SUBSYSTEM COUNTS BY TYPE AIRCRAFT - PHASE I (AVIONICS AND ENGINE SUBSYSTEMS)

SYSTEM NUMBER	SYSTEM NAME	F-15A	B-52G	FB-111A	C-141A	KC-135	T-38	A-10	TOTAL
23	Power Plant	12	13	23	16	15	15	7	101
24	APU	5			7	4		4	20
51	Instruments	4	5	7	5	13	3	4	41
52	Autopilot	2	4	2	5	8	1	1	23
55	Malfunction Recording	3	3	1	1		2	3	13
56	Flight Reference				4				4
57	Integrated Guidance/Flt. Control	1							1
61	HF Communications System		2	2	1	4			9
62	VHF Communications System				2	2	2	2	8
63	UHF Communications System	3	2	1	2	9	2	1	20
64	Interphone		1	1	3	1	2	1	9
65	IFF	2	2	1	1	1	3	1	11
66	Emergency Communications				2	8			10
69	Misc. Communications			1		15		2	18
71	Radio Navigation	5	2	3	8	5	4	3	30
72	Radar Navigation		2	1	7	17		1	28
73	Bombing Navigation		7	9	2				18
74	Fire/Weapon Controls	4	5	1			2	4	16
75	Weapons Delivery	10	4	6			4	8	32
76	ECM	6	13	8		19		2	48
77	Photo Recon.		9			6	1		16
	TOTALS	57	74	67	66	127	41	44	476

TABLE 4.3.3-2 SYSTEM/SUBSYSTEM COUNTS BY TYPE AIRCRAFT - PHASE II (OTHER SUBSYSTEMS)

SYSTEM NUMBER	SYSTEM NAME	F-15A	B-52G	FB-111A	C-141A	KC-135A	T-38A	A-10A	TOTAL
11	Airframe	6	14	2	9	10	8	6	55
12	Fuselage Compartment and Cockpit	4	8		6	9	2	5	34
13	Landing Gear	6	5	11	7	9	8	8	54
14	Flight Controls	6	6	8	9	5	5	8	47
16	Escape System			4					4
41	Air Conditioning, Anti Ice	2	8	4	9	11	4	7	45
42	Electrical Power Supply	6	5	3	8	2	3	7	34
44	Lighting System	3	3	6	3	3	4	3	25
45	Hyd. and Pneu. Power Supply	3	3	1	7	2	1	3	20
46	Fuel System	4	6	9	7	5	5	7	43
47	Oxygen System	1	2	1	3	1	2	1	11
49	Miscellaneous Utilities	3	6	3	7	3	1	2	25
91	Emergency Equipment	1	1		3	2	1	1	9
92	Tow Target Equipment								
93	Drag Chute Equipment		1						1
94	Meterological Equipment					4			4
95	Smoke Gen Scoring & Target Area Equip		22	8			1		31
96	Personnel Equipment			1		1	1	1	4
97	Explosive Devices and Components	1	3	4	1	1	1	5	16
98	Atmospheric Research Equipment					6			6
	TOTALS	46	93	65	79	74	47	64	468

(4) Selected the work unit code(s) in each subsystem functional grouping that represent the drivers of the total subsystem functional grouping failures.

Table 4.3.4-1 shows 75 individual equipments that were selected from 11 avionic and engine subsystems considered on the seven aircraft during Phase I and Table 4.3.4-2 shows 187 individual equipments that were selected from 18 other subsystems considered on the seven aircraft during Phase II. This represents a total of 262 individual equipments, 29 aircraft subsystems, and seven different types of aircraft being selected for the study.

It should be noted here that all of the engine subsystems were rolled up to the two digit level of the work unit code structure and the complete propulsion system was considered as one equipment item on each aircraft. In other cases within the seven aircraft, the work unit codes of items selected ranged from the three digit level down to the five digit level. Below the two digit level of the work unit code structure there is no consistency or uniformity between aircraft, i.e. each individual aircraft has its own work unit code structure as outlined in the applicable aircraft work unit code (-06) technical order.

4.4 PARAMETER IDENTIFICATION - TASK IV

The identification process for potential Maintenance, Hardware, Operational, Environmental, and Aircraft General parameters associated with the applicable subsystem equipments selected during Task III is reflected in Figure 4.4-1.

The investigation and identification of appropriate parameters relied heavily upon the previous work conducted during Task II - Review of Related Publications and Task III - Subsystem Equipment Selections. These related studies and other information, as reflected in the attached bibliography, were reviewed and a detail list of potential parameters were identified. The list of compiled parameters was then screened and actual computer program input data variables/ measures were developed for each parameter within the major categories, i.e. (1) Maintenance Resource Demand, (2) Maintenance, (3) Hardware (Equipment), (4) Operational, (5) Environmental, and (6) Aircraft General.

Overall 155 different parameters were developed for use in Task VI - "Data Analysis and Parameter Prioritizing". The number of individual parameters by category was as follows:

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TABLE 4.3.4-1 SELECTED SUBSYSTEM EQUIPMENT ITEMS WITHIN FUNCTIONAL GROUPINGS BY AIRCRAFT TYPE PHASE I (AVIONICS AND ENGINE)

	F-15A		B-52G		FB-111A		C-141A		KC-135A		T-38A		A-10A	
	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE
1	23	(F-100) Engine	23	(J-57) Engine	23	(TF-30) Engine	23	(TF-33) Engine	23	(J-57) Engine	23	(J-85) Engine	23	(TF-34) Engine
2	51AII	Altimeter Pressure	51AAA	Altimeter	51ABA	Altimeter Pressure	51BHA	Altimeter Pressure	51132	Altimeter	51116	Altimeter	51CDP	Altimeter
3	51EA	Computer Air Data	73LCA	Computer Altitude Verticle Velocity	52BAA	Computer Central Air Data	51AAA	Computer Central Air Data	518A	Computer RGA	5131A	Computer Angle of Attack	51CDK	Computer Altitude
4	51HA	Indicator Horizontal Situation	71AFJ	Indicator Horizontal Situation	51ABE	Indicator Horizontal Situation	51BGK	Indicator Horizontal Situation	51AAD	Indicator Horizontal Situation	51213	Indicator Horizontal Situation	51GA	Indicator Horizontal Situation
5	52AA	Computer Flight Control	52ABB	Amplifier Main	52ACA	Computer Flight Control	52AAC	Auto Flight Control - Gyro	52111	Amplifier MC-1	52117	YAW Axis Actuator	52AA	Computer Stability Aug.
6	63AA	R/T 967/ARC-109	63BAA	R/T AN/ARC-34	63AA	R/T 749/ARC-109	63AB	R/T 641/ARC-90	63AF	R/T ARC-133/ARC-34	63AA	R/T 463	63AA	R/T ARC-34
7	65AA	R/T 1063B/APX 101	65BAA	R/T 726/APX-64	65AA	R/T 728/APX-64	65BB	R/T 721	65BAA	R/T-726/APX-64	65CA	R/T-727	65A	Transponder Set APX 101
8	71CA	Receiver R-1755/ARN	71AIC	Receiver ARN-31	71CB	Receiver R-844/ ARN-58	71EAC	Receiver 51V-4	71BCF	Receiver 51V-4	71BA	Receiver R-843		
9	71DA	R/T 1045/ARN	71ADA	R/T ARN-21	71EA	R/T 1127/ARN-84	71CB	R/T 220C	71CA	R/T ARN-21/72	71CA	R/T-471	71AF	R/T
10	71FB	Gyroscope Displacement	51AHD	Gyroscope	51CAC	Gyroscope Displacement	52FA	Gyroscope Displacement	51142	Gyroscope Displacement	51218	Platform Gyro	51FA	Gyroscope Displacement
11	74FA	Transmitter T-1208	73LFK	Receiver-Transmitter	73JC	Modulator Radar	72AD	R/T-289	728DA	R/T 289			72AA	R/T 855

1. Propulsion
2. Flight Indicators
3. Air Data System
4. HSI
5. Auto Pilot
6. UHF Comm.
7. IFF
8. Radio Nav-Receivers
9. Radio Nav-Tacan Sets
10. Radio Nav-Attitude Heading
11. Radar

TABLE 4.3.4-2 SELECTED SUBSYSTEM EQUIPMENT ITEMS WITHIN FUNCTIONAL GROUPINGS BY AIRCRAFT TYPE - PHASE II (AIRCRAFT GENERAL SUBSYSTEMS)

	F-15A		B-52G		FB-111A		C-141A		KC-135A		T-38A		A-10A	
	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE
	11	FORWARD FUSELAGE												
1	11AB	Radome Assy.	11UCJ	Radome Assy.	11AAA	Radome Assy.	11FAF	Radome Assy.	1111J	Radome Assy.	11615	Glide Slop Antenna (Radome)		
2	11AF	Windshield	11UCL	Windshield	16AA	Windshield	11AA	Windshield	1114U	Windshield	111	Windshield	11AF	Windshield
3	11	WINGS												
	11K	Wings	11A	Wing, Outboard	11B	Wings	11G	Wings (Excluding 11GE Pylons)			116	Wings	11H	Wings
			11B	Wing, Inboard	11EFA	Wing, L.H. Upper Skin			116	Wing Assy. L.H.				
			11L	Wing, Center	11EFB	Wing, L.H. Lower Skin			117	Wing Assy. R.H.				
					11EFC	Wing, R.H. Upper Skin			113	Wing Skin R.H.				
					11EFD	Wing, R.H. Lower Skin			11K	Wing Skin L.H.				

TABLE 4.3.4-2 SELECTED SUBSYSTEM EQUIPMENT ITEMS WITHIN FUNCTIONAL GROUPINGS BY AIRCRAFT TYPE - PHASE II (AIRCRAFT GENERAL SUBSYSTEMS)

	F-15A		B-52G		FB-111A		C-141A		KC-135A		T-38A		A-10A	
	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE
4	12	COCKPIT FURNISHINGS												
	12UAA	Seat, Aircraft Ejection, Crew	12AAA	Seat Assy. Upward Ejection, Crew	16AGA	Seat, Crew	12UAA	Seat, Pilot and Copilot	12AAD	Seat, Crew	12121	Seat Assy. Ejection Front Cockpit	12KAD	Seat Assy. Ejection, Crew
											12221	Seat Assy Ejection Rear Cockpit		
5	13	MAIN LANDING GEAR												
	13AJA	Tire, Main	13LGB	Tire, Main	13GAH	Tire, Main	13GAC	Tire, Main	13AMF	Tire, Main	13831	Tire, Main	13AHA	Tire, Main
	13AJH	Wheel, Main	13CGA	Wheel, Main	13GAA	Wheel, Main	13GAA	Wheel, Main	13AMG	Wheel, Main	13811	Wheel, Main	13AHH	Wheel, Main
6	14	BRAKE SUBSYSTEM												
	14JMA	Brake, Assy.	14EEP	Brake, Assy.	13JAG	Brake, Assy.	13UBA	Brake, Assy.	13CA	Brake, Assy.	13611	Brake, Assy.	13DA	Brake, Assy.

TABLE 4.3.4-2 SELECTED SUBSYSTEM EQUIPMENT ITEMS WITHIN FUNCTIONAL GROUPINGS BY AIRCRAFT TYPE - PHASE II (AIRCRAFT GENERAL SUBSYSTEMS)

	F-16A		B-52G		FB-111A		C-141A		KC-135A		T-38A		A-10A	
	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE
7	14	STABILIZING SUBSYSTEM												
	14CA	Horiz. Stabilator	14HA	Horiz. Stabilizer	14C	Horiz. Stabilizer	11HC	Horiz. Stabilizer	1151	Horiz. Stab. Assy.	1421	Horiz. Tail	11A	Horiz. Stabilizer
			14HB	Horiz. Stabil. Upper Skin			11HD	Horiz. Stabil. Skin	11G	Horiz. Stab. Skin				
			14HJ	Horiz. Stabil. Lower Skin										
			14HK	Horiz. Stabil. Rib & Spar										
8	14.	RUDDER SUBSYSTEM												
	14HA	Rudder Assy.	14HGA	Rudder Assy.	14AD	Rudder Assy.	14CA	Rudder Assy.	14HE	Rudder Assy.	1431	Rudder Assy.	14GA	Rudder Assy.
9	14.	FLAP SUBSYSTEM												
	14HA	Flap Assy.	14EE	Flap, Inboard Wing	14DC	Flap Assy.	14GA	Flap Assy.	14EF	Main Flap Assy. Inboard	1461	Flap Assy.	14KA	Flap Assy. Inboard
			14EH	Flap, Outboard Wing					14EG	Main Flap Assy. Outboard			14KB	Flap Assy. Outboard

TABLE 4.3.4-2 SELECTED SUBSYSTEM EQUIPMENT ITEMS WITHIN FUNCTIONAL GROUPINGS BY AIRCRAFT TYPE - PHASE II (AIRCRAFT GENERAL SUBSYSTEMS)

	F-15A		B-52G		FB-111A		C-141A		KC-135A		T-38A		A-10A	
	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE	SUBSYSTEM WUC	NOMENCLATURE
10	46	CABIN AND AVIONICS ENVIRONMENTAL CONTROL SUBSYSTEM												
	41AAW	Water Separator	41AUA	Water Separator	41AAE	Water Separator	41AEC 41AEA	Water Separator Water Separator	41214	Water Separator	41133	Water Separator	41BAI	Water Separator
11	42	AIRCRAFT POWER GENERATING SUBSYSTEM												
	42AUA	Generator Assy.	42BAA	Generator Assy.	42AAA	Generator Assy.	42DAA	Generator Assy.	42151	Generator Assy.	4211A 4212A	Generator Assy Lt. Generator Assy Rt.	42AC	Generator Assy.
	44	EXTERIOR LIGHTING												
	44AAI	Tail Anti Coll.	44AAA	Anti Coll Lights	44AA	Anti Coll Lights Upper	44AAL	Anti Coll Lights	46221 46222	Anti Coll Lights	44113	Anti Coll Lights Upper	44BAA	Wing Position & Strobe Lights Rt
12	44AAU	Light Nav Anti Coll Right Wing			44AAH	Anti Coll Lights Lower					44116	Anti Coll Lights Lower	44BAU	Tail Position & Strobe Lights
	44AAZ	Light Nav Anti Coll Left Wing												
	44AAJ	Light Landing	44AEA	Light Landing	44AAU	Light Landing	44AAL	Light Landing	44211	Landing Light	44114	Landing and Taxi Light	44BI	Landing and Taxi Light
13	44AAE	Light Taxi	44AUA	Light Taxi	44AAA	Light Taxi	44AAU	Light Taxi	44212	Taxi Light				

TABLE 4.3.4-2 SELECTED SUBSYSTEM EQUIPMENT ITEMS WITHIN FUNCTIONAL GROUPINGS BY AIRCRAFT TYPE - PHASE II (AIRCRAFT GENERAL SUBSYSTEMS)

	F-15A		B-52G		FB-111A		C-141A		KC-135A		T-38A		A-10A	
	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE
14	46	HYDRAULIC POWER CONTROL SUBSYSTEM												
	46A1A	Pump Hydraulic PC#1	45CUM	Pump Hydraulic	45AAA	Pump Hydraulic	46ACA	Pump Hydraulic	4611E	Pump Hydraulic	46121	Pump Hydraulic	45AAA	Pump Hydraulic
	46B1A	Pump Hydraulic PC#2	45CCJ	Pump Hydraulic	45AAU	Pump Hydraulic	46BCA	Pump Hydraulic	4611U	Pump Hydraulic	46122	Pump Hydraulic	45UAA	Pump Hydraulic
15	46.	INTERNAL FUEL SUBSYSTEM												
	11KGA	Fuel Tank L.H. Wing	461AA	Tank Main Wing	46UAG	Saddle Tank R.H.	46AAJ	Tank Main #1 or 4	46131	Tank Main #1	46123	Cell Fwd Fuselage	46AC	Main Tank L. Wing
	11KKA	Fuel Tank R.H. Wing												
	46AF	Fuselage Fuel Cells	461UA	Tank Outboard Wing	46UAU	Saddle Tank L.H.	46AAK	Tank Main #2 or 3	46170	Tank Main #2	46124	Cell Cent Fuselage	46AD	Main Tank R. Wing
			461CA	Tank Center Wing	46UAL	Tank Integral Bay A-1			46210	Tank Main #3	46125	Cell Aft Fuselage		
					46UAF	Tank Integral Bay A-2			46240	Tank Main #4				
									46310	Tank Center Wing Left Hand				
									46340	Tank Center Wing Right Hand				

TABLE 4.3.4-2 SELECTED SUBSYSTEM EQUIPMENT ITEMS WITHIN FUNCTIONAL GROUPINGS BY AIRCRAFT TYPE - PHASE II (AIRCRAFT GENERAL SUBSYSTEMS)

	F-15A		B-52G		FB-111A		C-141A		KC-135A		T-38A		A-10A	
	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE	SUB SYSTEM WUC	NOMENCLATURE
	47	LIQUID OXYGEN SUBSYSTEM												
16	47AAB	Regulator Oxygen	47ACA	Regulator Oxygen	47AAC	Regulator Oxygen	47AAG	Regulator Oxygen	47131	Regulator Oxygen	47115	Regulator Oxygen	47AUA	Regulator Oxygen
17	47AAA	Converter Lox	47AAA	Converter Lox	47AAA	Converter Lox	47AAA	Converter Lox	47111	Converter Lox	47111	Converter Lox	47AAQ	Converter Lox
18	49	OVERHEAT/FIRE DETECTION AND EXTINGUISH SUBSYSTEM												
	49AA	Engine Overheat & Fire Detection System	49AAD	Detector Engine Fire	49AAA	Element Assy. Sensing (Nacelle) Fire Detection	49FAB	Sensing Element Engine Fire	49121	Detector Fire	49131	Sensor Engine Fire	49AAB	Sensor 650 Degrees
											49116	Sensor Engine Fire	49AAC	Sensor 600 Degrees

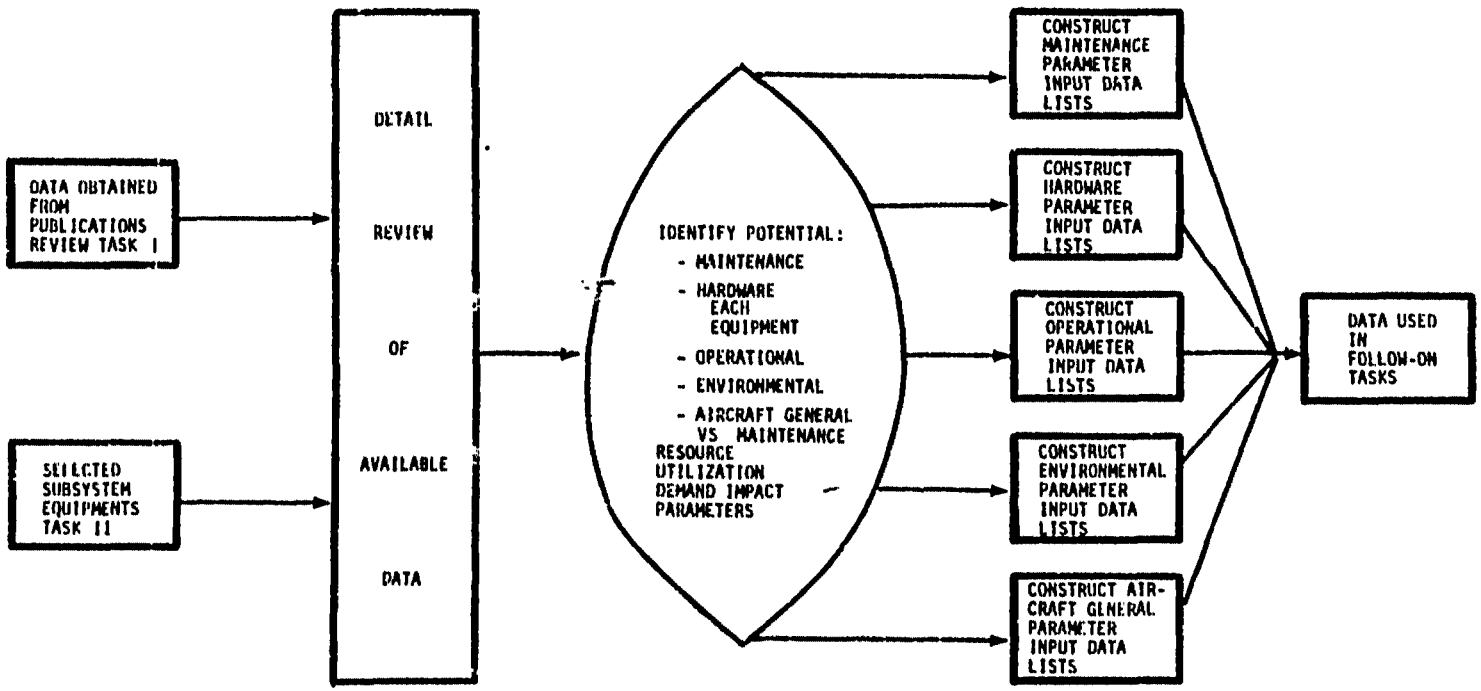

FIGURE 4.4-1 TASK IV ACTIVITY FLOW - PARAMETER IDENTIFICATION

Maintenance Resource Demand (Avionics-5 Propulsion-6 Other-6)	17
Equipment/Hardware (Avionics-18 Propulsion-15 Other-24)	57
Operations	30
Environmental	21
Maintenance	14
Aircraft General	16
Total	155

These individual parameters, including the parameter name, type, and units of measure are discussed in detail in paragraph 4.6.1 below.

4.5 IDENTIFY, OBTAIN, AND PROCESS HISTORICAL FIELD EXPERIENCE DATA - TASK V

This task was by far the most critical and significant for this phase of the study. Without adequate and correct data, the remaining tasks would be less meaningful as would any analysis effort. Therefore, additional emphasis was placed on this task to ensure the accomplishment of the objectives.

The total task was logically divided into three distinct Sub-Tasks; a) Identification, b) Acquisition, and c) Integration. Figure 4.5-1 depicts the flow of Task V activities.

4.5.1 Data Identification

The identification of data sources/agencies and types of data available covered three primary areas; a) Air Force Agencies, b) Operating Wings, and c) EAC Historical Data Files. Table 4.5.1-1, "Data Sources and Agencies" lists the agency or base, geographical location; specific office or wing from which data was obtained, and the general type of data available. The various categories of information required and detail data elements were established in the proceeding task.

4.5.2 Data Acquisition

This section describes the data acquisition procedure including on-site surveys. It is included here to acquaint the reader with the technique involved and some of the problems encountered in this type of activity. However, it should be noted that all data used in this study was acquired through official channels and approved on-site visits in conjunction with various Boeing in-house contracted activities, and was made available in the Experience Analysis Center for this study.

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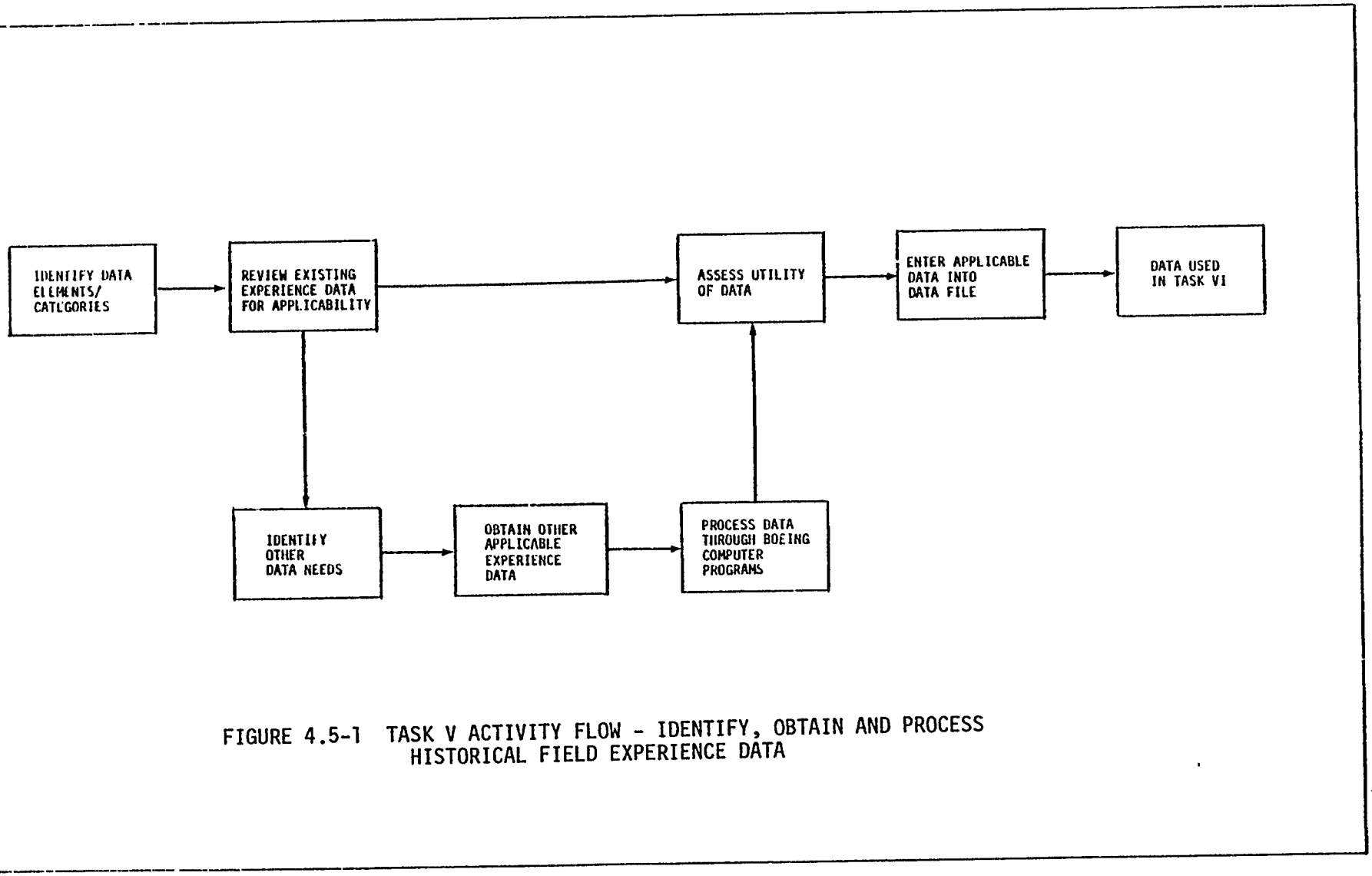

FIGURE 4.5-1 TASK V ACTIVITY FLOW - IDENTIFY, OBTAIN AND PROCESS HISTORICAL FIELD EXPERIENCE DATA

TABLE 4.5.1-1 DATA SOURCES AND AGENCIES

AGENCY/BASE	LOCATION	OFFICE SYMBOL/FUNCTION OR WING	TYPE OF DATA
Air Force Logistics Command	Wright-Patterson AFB, Ohio	ACVMP - Inventory, Status and Performance Branch	D056B G033B C-4, B-4 D097
		LORRA - Analysis Branch DCS/ Logistics Operations	D041
Air Weather Service(MAC) Environmental Technical Applications Center (ETAC)	Scott AFB, Illinois	ETAC/DO - Director Operations	Weather Parameters Climatic Briefs Monthly Summaries Base Tab "A's"
Myrtle Beach AFB	Myrtle Beach, S. C.	354th TFW	A-10A Statistics
Fairchild AFB	Spokane, WA	92nd BMW	B-52G/KC-135A Statistics
Plattsburgh AFB	Plattsburgh, N. Y.	380th BMW	FB-111A Statistics
Luke AFB	Glendale, AZ	58th TTW	F-15A Statistics
Randolph AFB	San Antonio, TX	12th FTW	T-38A Statistics
Travis AFB	Fairfield, CA	60th MAW	C-141A Statistics
Boeing Aerospace Company	Seattle, WA	Experience Analysis Center (EAC)	Aircraft Historical Data Processed AFM 66-1 Maintenance Data Operational Data Technical Descriptive Information

Since this study was initiated in January 1978, the most recent data that would be available in the Experience Analysis Center from the various repositories was calendar year 1977. Therefore, it is significant to note this time period as most of the input data for those parameters and variables requiring Historical Field Experience covered the 1977 time period.

In obtaining the specific data types, the task logically divided into (a) computer generated type information, and (b) information that must be obtained from an on-site survey.

(a) Computer Generated Data

Although all data obtained for this study was to eventually be computer manipulated, in one form or another, it was considered as data received on magnetic tape.

AFM 66-1 (D056E) - Maintenance Management Data

For the seven study aircraft all AFM 66-1 data had been previously processed for 1977 except the T-38A. This had to be ordered through the Air Force Systems Command (AFSC) via AFLCR/AFSCR 178-6 and processed. A total of over five million records or maintenance transactions were either previously available or obtained on the subject aircraft.

G033B - Standard Aerospace Vehicle Inventory, Status and Utilization Reporting System

This system provided the operational parameters necessary for various rates, such as maintenance manhours per flight hour, utilization, etc. as well as the operational ready and not operational ready rates per specific categories.

D041 - Recoverable Consumption Item Requirements System

D097 - Interchangeability and Substitution Data Maintenance System

H036B - DMIF Cost Accounting/Production Report

These three data systems comprised the depot data used in trades made during subsystem equipment selection and verification. The two million plus records contained such significant parameters as equipment cost, flow times through base and depot, and man-hour expenditures.

B-4/C-? - Reference Data Tape

These tapes, although not supplying any investigative parameters per se, are critical in the utilization of AFM 66-1 data. Coupled with T.O. depot and contractor data they cross-reference work unit code, part number, nomenclature and national stock number.

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Environmental

This information, obtained from HQ. Environmental Technical Applications Center (ETAC) Scott AFB, Ill., represents the computerized weather information for each of the Air Force bases studied. These included such parameters as snow fall, rain days, humidity, etc.

(b) On-Site Survey

As in any data acauisition task of this magnitude, all the required parameters are not computerized into mechanized data systems. This necessitates on-site visits to obtain the data. Not only does it fill in the missing parameters but it serves to validate the collected field data. An equally important function is the establishment of data parameter specialist or points of contact that can be consulted with, as required, during the detail analysis of the data. To visit any operation unit, authorization is required from the respective Major Commands. An authorization request letter is used that includes the following pertinent items:

(1) Study Introduction
(2) Study Objective
(3) Assistance required and suggested point(s) of contact, and
(4) Suggested visit dates

It is imperative that the authorization request letter be forwarded well in advance of the intended time of visit to allow for any contingencies that may occur at the base and to establish the points of contact prior to the visit. This eliminates any last minute problems and establishes the necessary rapport with the appropriate base personnel. Prior to traveling to any base a series of parameter data gathering forms, Appendix B, are developed listing the specific data parameters desired by functional categories. These forms prove to be invaluable in that they provide a consistent, systematic approach to data gathering at each base. They are distributed to the appropriate technicians, and prove to be the most economical and expeditious method to gather the various data elements required from base level personnel. Appendix C contains an example parameter data gathering form.

Base visits are made to each of the Air Force bases as depicted in Figure 4.5.2-1. It is necessary to visit several major areas at each typical base. The first and most significant is the Deputy Commander for Maintenance (DCM) Office. Here a short introductory presentation is usually given to all functional managers from which data is required. This one time meeting sets the stage for a smooth transition of data flow with all concerned namely:

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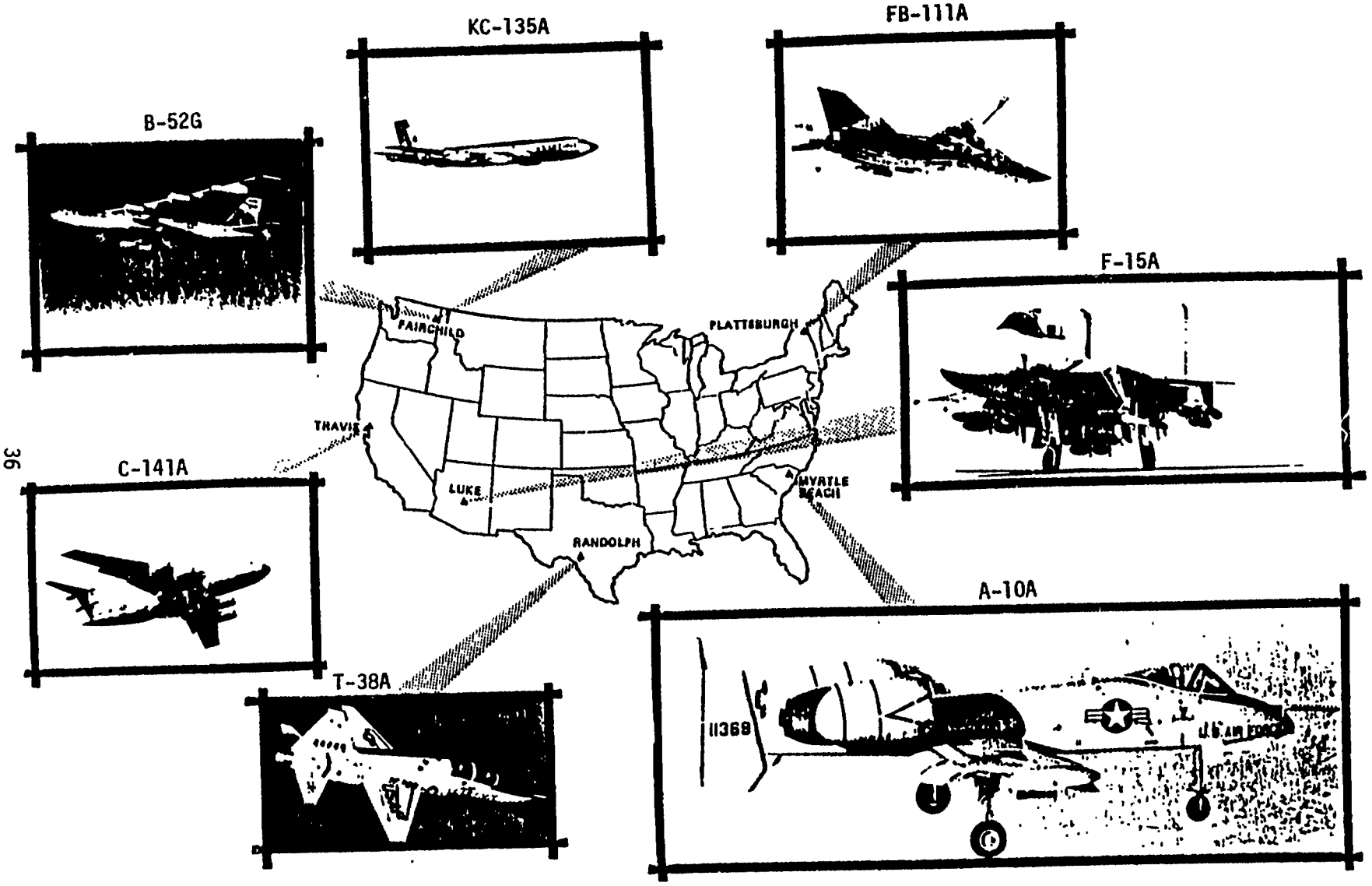

FIGURE 4.5.2-1 BASES VISITED

(1) Operations - Pilot or standardization provides essential aircraft characteristics.

(2) Weather - Base weather provides obstructions to vision.

(3) DCM Analysis - Provides monthly maintenance summaries and aircraft support general information, through a Base Level Information System (BLIS) printout.

(4) DCM Quality Control - Answers general type questions pertaining to maintenance.

(5) Maintenance Squadrons such as: OMS, FMS, AMS, AGS, CRS, EMS, etc. provide the data for all required subsystem/ equipments.

4.5.3 Data Integration

This third and final major step of Task V is primarily a continuation of data preparation for analysis in the ensuing tasks. The AFM 66-1 maintenance data records (D056E) are screened and processed through Boeing Standard AFM 66-1 data processing programs to develop the information for selected parameters against each of the bases selected for each of the study aircraft as follows:

(1) B-52G - 10 bases as reflected in Table 4.5.3-1
(2) KC-135A - 10 bases as reflected in Table 4.5.3-2
(3) T-38A - 5 bases as reflected in Table 4.5.3-3, and
(4) F-15A, FB-111A, C-141, A-10A, 1 base each as reflected in Table 4.5.3-4

The processing of AFM 66-1 data for the seven different aircraft types commenced with approximately seven million records. Selecting only the data for the study aircraft at the bases for which site visitation data was available reduced the count to approximately 2.6 million records.

Completion of this data processing for each aircraft at each base and the supplemental data available in the acquisition phase provided a substantial data base of varied parameters for the follow-on task analyses.

4.6 Data Analysis and Parameter Prioritizing - Task VI

This task consists of analyzing and prioritizing the data base established during Task V, on each subsystem/equipment item selected. The overall objective of the analysis was the detection, testing, and ranking of possible statistical useful relationships between the candidate aircraft maintenance impact parameters selected and the actual Maintenance Resource Demand (MRD) parameters.

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TABLE 4.5.3-1 B-52G STUDY BASES/1977 OPERATIONAL DATA

AIRCRAFT	BASE/CODE	NO. OF AIRCRAFT	FLIGHT TIME	LANDINGS	SORTIES
B-52G	Barksdale AFB, LA/AWUB	29	11,428	3,865	1,487
	Blytheville AFB, AR/BWKR	15	5,371	1,812	709
	Castle AFB, CA/DESR	14	10,341	5,580	1,306
	Fairchild AFB, WA/GJKZ	15	5,497	1,972	663
	Griffiss AFB, NY/JREZ	15	5,456	1,840	732
	Loring AFB, ME/NRCH	14	5,434	1,430	677
	Mather AFB, CA/PLXL	14	5,656	1,966	718
	Robins AFB, GA/UHHZ	14	5,544	1,665	748
	Seymour Johnson AFB, NC/VKAG	14	5,629	1,537	709
	Wurtsmith AFB, MI/ZJXD	15	2,787	850	346
B-52G Composite	10 Bases	159	63,143	22,517	8,108

TABLE 4.5.3-2 KC-135A STUDY BASES/1977 OPERATIONAL DATA

AIRCRAFT	BASE/CODE	NO. OF AIRCRAFT	FLIGHT TIME	LANDINGS	SORTIES
KC-135A	Barksdale AFB, LA/AWUB	24	7,832	4,291	1,618
	Blytheville AFB, AR/BWKR	12	3,954	2,305	795
	Castle AFB, CA/DESR	31	19,212	18,001	3,209
	Fairchild AFB, WA/GJKZ	27	6,871	4,306	1,382
	Griffiss AFB, NY/JREZ	13	3,838	2,710	788
	Loring AFB, ME/NRCH	27	7,201	4,253	1,499
	Mather AFB, CA/PLXL	13	4,051	2,661	868
	Robins AFB, GA/UHHZ	13	4,059	2,375	798
	Seymour Johnson AFB, NC/VKAG	13	3,968	2,426	800
	Wurtsmith AFB, MI/ZJXD	14	4,077	2,753	871
KC-135A Composite	10 Bases	187	65,063	46,063	12,628

TABLE 4.5.3-3 T-38A STUDY BASES/1977 OPERATIONAL DATA

AIRCRAFT	BASE/CODE	NO. OF AIRCRAFT	FLIGHT TIME	LANDINGS	SORTIES
T-38A	Randolph AFB, TX/TYMX	83	32,592	84,437	25,918
	Laughlin AFB, TX/MXDP	95	40,133	105,242	32,772
	Reese AFB, TX/UBNY	100	48,331	130,586	38,555
	Sheppard AFB, TX/VNVP	52	20,713	44,516	16,938
	Vance AFB, OK/XTLF	88	39,091	99,413	32,187
T-38A Composite	5 Bases	418	180,860	475,194	146,370

TABLE 4.5.3-4 F-15A, FB-111A, C-141A, A-10A STUDY BASES/
1977 OPERATIONAL DATA

AIRCRAFT	BASE/CODE	NO. OF AIRCRAFT	FLIGHT TIME	LANDINGS	SORTIES
F-15A	(1977) Luke AFB, AR/NUEX	29	6,603	5,167	5,039
FB-111A	(1977) Plattsburgh AFB, NY/THWA	32	9,111	5,325	2,456
C-141A	(1977) Travis AFB, CA/XDAT	32	42,552	25,021	11,734
A-10A	Myrtle Beach AFB, SC/RDRD (May 1977 - Dec. 1977)	16	3,729	1,961	1,961

The general Task VI approach divided the analysis into subtasks as shown in Figure 4.6-1. Note that the analysis as performed and described does not exactly conform to the general approach delineated in Figure 4.6-1. This approach was deliberately intended as a generalized step-by-step outline of the methodology involved so that other investigators can duplicate and/or expand the research using other available computerized statistical packages/techniques. The analysis utilized a unique Boeing developed computer program, "PKING", which automatically combined some of the subtasks in order to facilitate and speed up the parametric relationship detection and testing process. Utilizing this program allowed a maximum number of 71,200 variable combinations to be tested within the allotted effort.

The detailed approach to the analysis and parameter prioritizing task including a description of the "PKING" data processing program is discussed in the following paragraphs.

4.6.1 Formulate Input Data

Before maintenance resource demand/maintenance impact parameter variable combination testing and screening could proceed, the packages of data and information gathered in Task V were classified, quantified and tabulated in numerical data sets sutitable for computer-aided cross-plotting and simple regression analysis.

The following process was utilized to identify, control, and develop the actual data for input into the "PKING" data processing program.

(1) The seven aircraft types were divided into four separate groups as follows:

Group I - Multi Aircraft Composite - F-15A, FB-111A, C-141A, A-10A, B-52G, KC-135A, and T-38A

Group II - B-52G - 10 bases

Group III - KC-135A - 10 bases

Group IV - T-38A - 5 bases

The rationale for this separation was to allow comparative analysis of selected aircraft subsystems/equipments against the same aircraft from various environments/locations. In addition the B-52G and KC-135A bases selected were the same for both aircraft, so that subsystem equipments on different aircraft operating from the same location/environments could be compared.

(2) Input data was then formulated and compiled for each parameter against each aircraft by individual base as applicable. The data was then divided into the six categories of parameters as follows:

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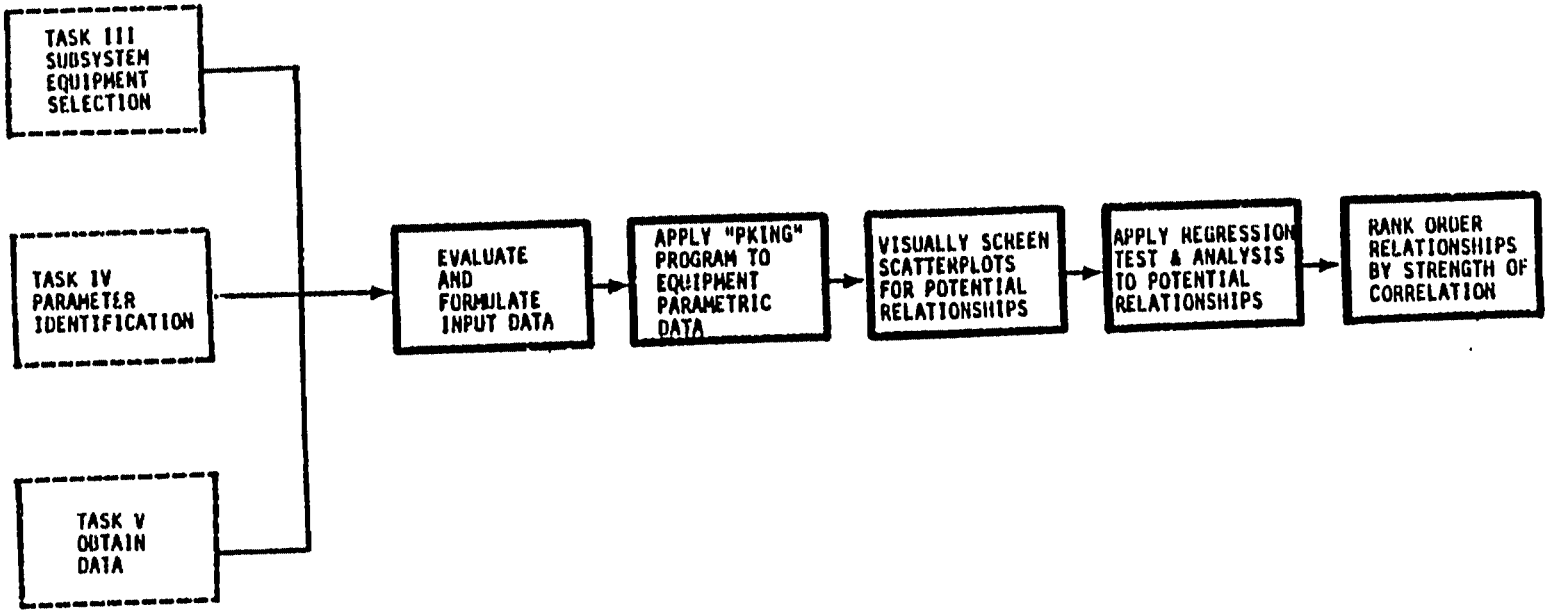

FIGURE 4.6-1 DATA ANALYSIS AND PARAMETER PRIORITIZING - TASK VI ACTIVITY FLOW

(1) Maintenance Resource Demand Parameters
(2) Equipment Characteristics Parameters
(3) Operations Characteristics Parameters
(4) Environmental Characteristics Parameters
(5) Maintenance Characteristics Parameters
(6) Aircraft General Characteristics Parameters

Most of the data in the data base was obtained in quantitative form. Information on a few parameters was obtained in qualitative form, however, and required quantification. Tables 4.6.1-1 through 4.6.1-6 lists the parameters in each category, their type (real or scaled variable) and their units of measure. These parameters are also listed and discussed in Appendix A along with the actual parameter input data.

TABLE 4.6.1-1 - MAINTENANCE RESOURCE DEMAND PARAMETERS

PARAMETER NAME	TYPE	UNITS
Item Maintenance Action Demand	Real	Failures/Item/Yr
Item Maintenance Manhours	Real	MMH/Item/Yr
Total Item Removals	Real	Removals/Item/Yr
Ground Aborts Caused by Item	Real	Aborts/Item/Yr
Air Aborts Caused by Item	Real	Aborts/Item/Yr
Item Cannibalization Per Acft	Real	Actions/Acft/Yr
Unscheduled Maint Manhr Per Installed Engine	Real	MMH/Engine/Yr
Unscheduled Maint Manhr Per Aircraft	Real	MMH/Acft

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TABLE 4.6.1-2 EQUIPMENT CHARACTERISTICS PARAMETERS

PARAMETER NAME	TYPE	UNITS
Equipment Location on Aircraft Note: Scale based on judged severity of local environment.	Scaled	Convention: 1 = Cockpit/Cabin 2 = Midship Bays 3 = Fwd. Bays 4 = Bomb Bays 5 = Wheel Wells 6 = Aft. Bays 7 = External Mounts 8 = Proximity of Engines
Equipment Weight	Real	Pounds
Equipment Volume	Real	Cubic Inches or Cubic Feet
SRU Count	Real	No. of SRU's
Operating Temperature	Real	Degrees "F" Median
Cooling Method Note: Scale based on judged effectiveness of cooling method.	Scaled	Convention: 0 = Reject heat to surrounding Equip. 1 = Ambient Air 2 = Forced Air 3 = Liquid 4 = Other
Protection Devices Note: Scale based on judged sophistication of protection method.	Scaled	Convention: 0 = None 1 = Temperature Covers, Etc. 2 = Permanent Environ. Protective Devices 3 = Overload Devices 4 = Mechanical Action Overload Devices 5 = BIT Fault Indication Auto Shutdown
Number of Test Points (Org. Level)	Real	No. of Test Points

TABLE 4.6.1-2 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D

PARAMETER NAME	TYPE	UNITS
Required AGE/Support Equipment Complexity Note: The required AGE value given a particular item is determined by the highest order AGE item required.	Scaled	Convention: 0 = None 1 = Simple Hand Tools/Meters 2 = Basic Electrical Test/ Support Equipment 3 = Commercial Test Sets/ Support Equipment 4 = General Purpose Military Test Sets/ Support Equipment 5 = Dedicated Test Sets/ Support Equipment 6 = Computerized Automatic Test Stations
AGE/Support Equipment Availability	Real	% Time Available when required
AGE/Support Equipment Unreliability	Real	% Time Unreliable when used
Avg. Operating Time Per Sortie	Real	Hours
Principal Failure/Malfunction Causes Note: Scale based on judged severity of issue 1 (low) 6 (most severe)	Scaled	Convention: 1 = Environment 2 = Low Vibration Stress 3 = Med Vibration Stress 4 = High Vibration Stress 5 = Usage 6 = Design
Retest OK Rate	Real	% Squawks Retest OK
On-Off Cycles Per Flying Hour	Real	Cycles/10 Flying Hr.
On-Off Cycles Per Sortie	Real	Cycles/Sortie
Ground/Flight Operating Ratio	Real	% Ground to Flight
Failure/Abort Ratio	Real	% Failures Causing Aborts
Equipment Density	Real	Pounds/Cu. Ft.

TABLE 4.6.1-2 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D

PARAMETER NAME	TYPE	UNITS
Primary Material Composition Technology	Scaled	Convention: 1 = Rubber 2 = Plastic 3 = Aluminum 4 = Honeycomb 5 = Fiberglass 6 = Glass 7 = Titanium 8 = Steel
Relative Reliability of Equipment Driving Force (How is Equipment Operated)	Scaled	Convention: 1 = Electrical 2 = Mechanical 3 = Hydraulic 4 = Pneumatic 5 = Other
Removals to Access other Equip.	Real	No/Acft/Yr
FOD Severity	Scaled	Convention: 0 = None 1 = Low 2 = Medium 3 = High
Pressurization Level	Real	PSI
Rain Removal Technology (Windshield)	Scaled	Convention: 1 = Wipers 2 = Bleed Air
Mounting Position (Wings)	Scaled	Convention: 1 = Lower Wing 2 = Mid Wing 3 = Upper Wing
Power Rating (Generators)	Real	KVA Rating
No of Ply's (Tires)	Real	Ply's/Tire
Landings Per Tire	Real	Landings/Tire
Avg Tire Cost	Real	Cost/Tire

TABLE 4.6.1-2 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D

PARAMETER NAME	TYPE	UNITS
Securing Technology (Radome)	Scaled	Convention: 1 = Hinge and Bolts 2 = Hinge and Snap Fastners 3 = Cam Locks
Total No of Installed Engines	Real	Number/Acft
Take-Off Thrust Per Engine	Real	Pounds/10
Weight Per Engine	Real	Pounds/10
Volume Per Engine	Real	Cu. Ft./10
Density Per Engine	Real	Lb/Cu.Ft./10
No Compressor Sections Per Engine	Real	Number
No Compressor Blades Per Engine	Real	Number
Turbine Section Size	Real	Ft. Diam
Max Engine Combustion Temp	Real	Degrees "C"
Max Engine Fuel Flow	Real	Lbs/Hr
Min Engine Fuel Flow	Real	Lbs/Hr
Engine Prime Depot	Scaled	Convention: 1 = OCALC 2 = SAALC 3 = Teledyne 4 = Alameda
Engine AGE Availability	Real	% Time Available When Required
Engine AGE Unreliability	Real	% Time Unreliable When Used
Engine Vibration Factors	Real	Convention: 1 = Low 2 = Medium 3 = High

TABLE 4.6.1-3 AIRCRAFT OPERATIONS PARAMETERS

PARAMETER NAME	TYPE	UNITS
Avg Mission Mix Note: Value based on weighted average mission type taken over 1 year's operations.	Scaled	Convention: 1 = Training 2 = Operations 3 = Misc
Avg Take-off Speed	Real	Knots
Mediam Take-off Distance	Real	Feet
Percent of Max Take-off Wt	Real	Avg Take-off Wt as % of Max
Avg Climb Rate	Real	Feet/Min
Avg Cruise Speed	Real	Knots
Avg Cruise Altitude	Real	Feet/10
Avg Descent Rate	Real	Feet/Per Min
Minimum Landing Distance	Real	Feet
Avg Landing Wt	Real	Lbs/1000
Avg Landing Speed	Real	Knots
Total Flying Hours	Real	Hours/Acft/Yr
Training Flying Hours	Real	Hours/Acft/Yr
Operations Flying Hours	Real	Hours/Acft/Yr
Misc Flying Hours	Real	Hours/Acft/Yr
Total Landings	Real	Landings/Acft/Yr
Training Landings	Real	Landings/Acft/Yr
Operations Landings	Real	Landings/Acft/Yr
Misc Landings	Real	Landings/Acft/Yr

TABLE 4.6.1-3 AIRCRAFT OPERATIONS PARAMETERS
CONT'D

PARAMETER NAME	TYPE	UNITS
Total Sorties	Real	Sorties/Acft/Yr
Training Sorties	Real	Sorties/Acft/Yr
Operations Sorties	Real	Sorties/Acft/Yr
Misc Sorties	Real	Sorties/Acft/Yr
Avg Possessed Aircraft	Real	Acft/Month
Maximum Acft Speed	Real	Knots
Maximum Acft Ceiling	Real	Feet/10
Acft Flight Crew Size	Real	Persons/Acft
Avg Sortie Length	Real	Hours/Sortie
Accidents (Major/Minor)	Real	No/Acft/Yr
Incidents	Real	No/Acft/Yr

TABLE 4.6.1-4 ENVIRONMENTAL PARAMETERS

PARAMETER NAME	TYPE	UNITS
Base Altitude	Real	Feet
No of Snow Days	Real	Days/Yr
Total Snow Fall	Real	Inches/Yr
Mean Snow Depth	Real	Inches During Snow Session
No of Rain Days	Real	Days/Yr
Total Rain Fall	Real	Inches/Yr
No of Hail Days	Real	Days/Yr
Relative Humidity (Avg)	Real	Percent
No of Thunder Days	Real	Days/Yr
No of Sleet Days	Real	Days/Yr
No of Fog Days	Real	Days/Yr
Predominate Wind Direction	Real	Compass Degrees
Maximum Crosswinds Less Than 10 MPH	Real	Days/Yr
Maximum Crosswinds 10-19 MPH	Real	Days/Yr
Maximum Crosswinds 20-29 MPH	Real	Days/Yr
Maximum Crosswinds 30-39 MPH	Real	Days/Yr
Maximum Crosswinds 40-49 MPH	Real	Days/Yr
Maximum Crosswinds Greater than 50 MPH	Real	Days/Yr
Mean Temperature	Real	Degrees "F"
Mean Minimum Temperature	Real	Degrees "F"
Mean Maximum Temperature	Real	Degrees "F"

TABLE 4.6.1-5 · MAINTENANCE CHARACTERISTICS PARAMETERS

PARAMETER NAME	TYPE	UNITS
Avg OR Rate (FMC) (Hours OR/Hours Possessed/Mo) Averaged over year.	Real	Avg % for Year
Avg NORM Rate (NMCM) (Hours NORM/Hours Possessed/Mo) Averaged over year.	Real	Avg % for Year
Avg NORS Rate (NMCS) (Hours NORS/Hours Possessed/Mo) Averaged over year.	Real	Avg % for Year
Total Unsch Maint Manhrs Expended	Real	MMH/Acft
Avg Turn-Around Time - Maint	Real	Clock Hours
Total General Support Manhours (01-09)	Real	MH/Acft/Yr
Gen Support Manhours 01 - Ground Handling & Servicing	Real	MH/Acft/Yr
Gen Support Manhours 02 - Aircraft Cleaning	Real	MH/Acft/Yr
Gen Support Manhours 03 - Look Phase of Sched Inspec	Real	MH/Acft/Yr
Gen Support Manhours 04 - Special Inspections	Real	MH/Acft/Yr
Gen Support Manhours 05 - Preservation and Storage	Real	MH/Acft/Yr
Gen Support Manhours 06 - Arming and Disarming	Real	MH/Acft/Yr
Gen Support Manhours 07 - Preparation & Maint of Records	Real	MH/Acft/Yr
Gen Support Manhours 09 - In-Shop General Support	Real	MH/Acft/Yr

TABLE 4.6.1-6 AIRCRAFT GENERAL CHARACTERISTICS PARAMETERS

PARAMETER NAME	TYPE	UNITS
Years Since Acft was Produced	Real	Years
Aircraft Empty Weight	Real	Lbs/10
Max Gross Wt. - Take-off	Real	Lbs/10
Aircraft Wing Area	Real	Sq. Ft.
Aircraft Aspect Ratio	Real	Percent
Total Fuel Capacity	Real	Gallons
Avg Acft Wing Load	Real	Lbs/Sq. Ft.
Years Since Engine Production	Real	Years
No of Installed Engines Per Acft	Real	No/Acft
Engine Wt Per Acft (all engines)	Real	Lbs/10
Total Thrust Per Acft	Real	Lbs/10
Designated Climb Rate	Real	Feet/Min
No of Generators Per Acft	Real	No/Acft
Total Maint Manhours Per Flight Hours	Real	MMH/Flt Hr
Total Failures Per Flight Hour	Real	No/Acft
Years Since Acft First Flight	Real	Years

4.6.2 Computer-Aided Detection and Screening of Parametric Relationships

After the Input Data File was transformed into suitable computer input records, Boeing developed cross-plotting and regression analysis program "PKING" was applied to the data. This program was set to generate cross-plots and regression statistics for the following candidate variable combinations:

- 5 Maintenance Resource Demand Parameters (Avionics Subsystems) - Phase I
- 6 Maintenance Resource Demand Parameters (Propulsion System) - Phase I
- 6 Maintenance Resource Demand Parameters (Other Subsystems) - Phase II
- 18 Avionics Equipment Parameters - Phase I (Avionics)
- 15 Propulsion Equipment Parameters - Phase I (Engine)
- 24 Equipment Parameters - Phase II (Other Subsystems)
- 30 Operations Parameters
- 21 Environmental Parameters
- 14 Maintenance Parameters
- 16 Aircraft General Parameters

A set of cross-plots and regression statistics was generated for each of the 29 following equipment subsystem types during Phases I and II:

Phase I (Avionics & Propulsion)

- Propulsion
- Flight Indicators
- Air Data System
- Horizontal Situation Indicator
- Auto Pilot
- UHF Communication Set
- IFF Transponder Set
- Radio Navigation - Receivers
- Radio Navigation - Tacan
- Radio Navigation - Attitude Heading
- Radar Set

Phase II (Other Subsystems)

- Forward Fuselage - Radome
- Forward Fuselage - Windshield
- Wings
- Cockpit - Seats
- Landing Gear - Wheel & Tire
- Brakes
- Horiz Stabilator
- Rudder
- Flaps
- Environmental Control - Water Seperator
- Power Generating - Generators
- Exterior Lighting (Anti Coll)
- Exterior Lighting (Landing-Taxi)
- Hyd Pwr Control - Pumps
- Internal Fuel - Tanks
- Lox - Regulators
- Lox - Converters
- Fire - Detection

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The data groupings used as the statistical base for the analysis of these subsystem equipments was the four aircraft groupings as discussed in paragraph 4.6.1 above. The four groupings were:

Group I - Multi Aircraft Composit - 7 data points (aircraft/bases)
Group II - B-52G - 10 data points (bases)
Group III - KC-135A - 10 data points (bases)
Group IV - T-38A - 5 data points (bases)

Using these four data groupings and the 29 subsystems analyzed within each group, 71,200 candidate two variable combination scatterplots were generated.

These resulting scatterplots were screened for significant causal relationships between the Maintenance Resource Demand (MRD) parameters and the Candidate Maintenance Impact parameters. The screening criteria utilized were as follows:

(1) Correlation coefficient of regression 0.5 or greater
(2) Visually apparent curvilinear relationship
(3) Acceptable data point distribution
(4) At least four data points, three of which were non-zero in both the ordinate and abscissa

Of the 71,200 scattergrams generated, the initial screening process rejected about 95% as being insufficiently correlated. This left about 5% or approximately 3,600 correlated relationships from which to formulate a recommended list of possible significant Maintenance Impact Estimating Relationships (MIER's).

As stated previously, the same variable combination data processing and screening could have been accomplished with any available computer program possessing cross-plotting and regression analysis capability. The "PKING" program was used to gain maximum speed and efficiency in processing the mass of data contained in the data base. A brief description of this program follows:

DESCRIPTION AND USE OF "PKING"

The "PKING" program is a data manipulation program written in FORTRAN IV, which can handle moderately large data sets (35 variables, 100 data points per variable) such as are encountered in cost and support system analysis. Program input is flexible and straightforward in the form of data tables. Output is in the form of easy-to-read cross-plots derived from the input variables.

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The significant characteristics of the program are as follows:

- The program records and manipulates data for from 2 to 35 variables.
- As many as 100 entries can be made for each variable.
- All 35 variables may be input variables or --
- A minimum of 2 variables may be input variables.
- Up to 33 of the output variables may be "transform variables" created by transforms within the program.
- Up to 50 transform algorithms may be included in the program to manipulate data and create new output variables --
- A total of 35 output variables (input variables + transform variables) may be specified.
- The transforms may be any "mathematical" or "logical" algorithms.
- A simple least squares regression routine is computed for each variable combination.
- The output of the program consists of scattergrams which plot specified combinations of input and transform variables.
- The plots may be constrained somewhat by specifying that certain input variables only be used as "independent" variables.
- Otherwise all variables are treated in turn as independent variables and dependent variables against all other variables.
- The form of the output scattergrams has been carefully designed to permit rapid visual scanning for two-variable correlations. In addition the appropriate correlation coefficient of regression, and the estimating equation slope and intercept are annotated to each scatterplot.
- Input data and transform data is sorted in a single 35-by-100 cell addressable matrix to facilitate inter-program processing and easy linking with other data manipulation programs such as data ranking routines.

The flexibility of the program to accept any type of mathematical or logical transform algorithm and to selectively apply these transforms at the user's prerogative make this program a powerful data-normalizing tool. The program can be used to quickly screen large numbers of variables for possible primary correlations and to identify subtle higher-order correlations by the creative application of various normalizing and combinatorial transforms to likely combinations of variables in various ways (such as through addition, subtraction, multiplication, division, exponentiation, geometrics, differentiation, or Boolean logic) and the resultant aggregate variable plotted against other variable combinations to bring out cause-effect relationships which may not be apparent from single variable cross-plots.

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The program is also useful in filling holes in data sets when there is reason to believe that the missing data are continuous with the data in hand. In this use, the program is run with the missing data variable input along with several related variables which are complete. If the missing data variable is correlated with any of the other complete variables, this can be seen from the output plots and a linking function derived and used to compute the expected values of the missing data points.

The basic simplicity of the program makes it economical to use. Data input encoding is simple and need only be done once for any given data set. A typical data run with an output of several hundred cross-plots may be made at a very small cost.

4.6.3 Maintenance Impact Estimating Relationship (MIER) Development and Prioritization

The next step in the analysis and prioritization of the study parameters was to re-examine the apparently correlated relationships found during the computer processing and screening and build a "MIER Catalog" of potentially useful relationships. The 3,600-odd scattergrams accepted during the first screening were re-examined for reasonable data distribution and statistical usefulness. Several hundred scattergrams which had passed the first screening were rejected during this test because of unacceptable data distribution. For instance, if all data points except one were clustered in one area of the plot, the regression computation often yielded a good correlation coefficient even though the data were useless for practical purposes. Other scattergrams were rejected on the basis of not enough non-zero data points to have any statistical usefulness.

The surviving MIER'S from this second screening process were then sorted into Supplemental Data Volumes (29 different data volumes, one for each of the aircraft subsystems studied) using the following sequential sort process.

(a) First sort was by subsystem equipment which created the following 29 Subsystem Equipment Supplemental Data Volumes.

Vol	I	Foreward Fuselage - Radone
Vol	II	Foreward Fuselage - Windshield
Vol	III	Wings
Vol	IV	Cockpit - Seats
Vol	V	Landing Gear - Wheel & Tire
Vol	VI	Brakes
Vol	VII	Flight Controls - Horizontal Stabilator
Vol	VIII	Flight Controls - Rudder
Vol	IX	Flight Controls - Flaps
Vol	X	Propulsion - Engine

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Vol XI	Environmental Control - Water Separator
Vol XII	Power Generating - Generators
Vol XIII	Exterior Lighting - Anti Collision Lights
Vol XIV	Exterior Lighting - Landing/Taxi Lights
Vol XV	Hydraulic Power Control - Pumps
Vol XVI	Internal Fuel - Tanks
Vol XVII	Liquid Oxygen - Regulators
Vol XVIII	Liquid Oxygen - Converters
Vol XIX	Fire Detection - Sensors
Vol XX	Instruments - Flight Indicators
Vol XXI	Instruments - Air Data Indicating
Vol XXII	Instruments - Horizontal Situation Indicator
Vol XXIII	Auto Pilot
Vol XXIV	UHF Communications
Vol XXV	IFF - Transponder Set
Vol XXVI	Radio Navigation - Receivers
Vol XXVII	Radio Navigation - Tacan Sets
Vol XXVIII	Radio Navigation - Attitude Heading
Vol XXIX	Radio Navigation - Radar Sets

(b) The second sort was by the four aircraft grouping, i.e.:

Group I	-	Multi Aircraft Composite (seven aircraft)
Group II	-	B-52G Aircraft (10 bases)
Group III	-	KC-135A Aircraft (10 bases)
Group IV	-	T-38A Aircraft (five bases)

(c) The third sort was by type of parameter, i.e.:

MRD's vs MRD's Parameters
MRD's vs Equipment Parameters
MRD's vs Operations Parameters
MRD's vs Environmental Parameters
MRD's vs Maintenance Parameters
MRD's vs Aircraft General Parameters

(d) The fourth and final sort was by correlation coefficient from high to low within the various parameters of (c) above.

The MIER's were cataloged into the individual supplemental data volumes because of the large amount of scatterplots that survived the screening process. A total of 2,935 individual MIER's (scatterplots) were cataloged within the 29 different subsystem equipment categories. A summary array of the MIER catalog (29 volumes of supplemental data) has been included in Appendix B of this report. Appendix B is in the form of Maintenance Resource Demand Parameters vs Maintenance Impact Parameters and identifies the supplemental data volume and applicable table number for the cataloged MIER's for each aircraft category and type parameter. In addition, the following Tables 4.6.3-1 thru 4.6.3-29 reflect the total number of MIER's retained and cataloged within each individual equipment supplemental data volume.

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TABLE 4.6.3-1 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME I - FORWARD FUSELAGE - RADOME

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	2			4
	EQUIPMENT					
	OPERATIONS	2				2
	ENVIRONMENTAL	2	1	1	8	12
	MAINTENANCE	1		10		11
TOTAL: 29	AIRCRAFT GENERAL					
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1	1		3
	EQUIPMENT					
	OPERATIONS	1				1
	ENVIRONMENTAL	1		1		2
	MAINTENANCE	2				2
TOTAL: 11	AIRCRAFT GENERAL	1			2	3
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	1				1
	OPERATIONS	1				1
	ENVIRONMENTAL	1			4	5
	MAINTENANCE	3				3
TOTAL: 12	AIRCRAFT GENERAL				2	2
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-2 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME II - FORWARD FUSELAGE - WINDSHIELD

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1			1	2
	EQUIPMENT	2				2
	OPERATIONS	1				1
	ENVIRONMENTAL	1		3		4
	MAINTENANCE	1	8			9
TOTAL: 18	AIRCRAFT GENERAL					
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1				1
	EQUIPMENT	2				2
	OPERATIONS	1	1		1	3
	ENVIRONMENTAL	1		2	9	12
	MAINTENANCE	1		8		9
TOTAL: 29	AIRCRAFT GENERAL		1		1	2
TOTAL REMOVALS PER AIRCRAFT	MRD		1			1
	EQUIPMENT					
	OPERATIONS	2		3		5
	ENVIRONMENTAL	4		1	1	6
	MAINTENANCE			2		2
TOTAL: 15	AIRCRAFT GENERAL			1		1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-3 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME III - WINGS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	1		4	7
	EQUIPMENT	1				1
	OPERATIONS	2			1	3
	ENVIRONMENTAL	1	1	1	1	4
	MAINTENANCE	4		1	2	7
TOTAL: 26	AIRCRAFT GENERAL	3			1	4
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1			3	4
	EQUIPMENT	1				1
	OPERATIONS	1		1		2
	ENVIRONMENTAL	1		1	2	4
	MAINTENANCE	4			2	6
TOTAL: 19	AIRCRAFT GENERAL	1			1	2
TOTAL REMOVALS PER AIRCRAFT	MRD				1	1
	EQUIPMENT	1				1
	OPERATIONS	1		1	1	3
	ENVIRONMENTAL	1	1		4	6
	MAINTENANCE	2		1	3	6
TOTAL: 18	AIRCRAFT GENERAL				1	1
GROUND ABORTS PER AIRCRAFT	MRD				2	2
	EQUIPMENT					
	OPERATIONS				2	2
	ENVIRONMENTAL					
	MAINTENANCE				3	3
TOTAL: 8	AIRCRAFT GENERAL				1	1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS				1	1
	ENVIRONMENTAL		1			1
	MAINTENANCE				1	1
TOTAL: 7	AIRCRAFT GENERAL	1		2	1	4

TABLE 4.6.3-4 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME IV - COCKPIT - SEATS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1	1			2
	EQUIPMENT	2				2
	OPERATIONS	1				1
	ENVIRONMENTAL	1	2		2	5
	MAINTENANCE	2			1	3
TOTAL: 14	AIRCRAFT GENERAL		1			1
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1		2	2	5
	EQUIPMENT	2				2
	OPERATIONS	1			2	3
	ENVIRONMENTAL	1		1	1	3
	MAINTENANCE	1		1	2	4
TOTAL: 18	AIRCRAFT GENERAL				1	1
TOTAL REMOVALS PER AIRCRAFT	MRD			2		2
	EQUIPMENT	1				1
	OPERATIONS					
	ENVIRONMENTAL	3	2		3	8
	MAINTENANCE				2	2
TOTAL: 13	AIRCRAFT GENERAL					
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE				1	1
TOTAL: 1	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-5 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME V - LANDING GEAR - WHEEL AND TIRE

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1				1
	EQUIPMENT					
	OPERATIONS	2			3	5
	ENVIRONMENTAL	1	1	1	2	5
	MAINTENANCE				2	2
TOTAL: 15	AIRCRAFT GENERAL			2		2
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1			2
	EQUIPMENT	4				4
	OPERATIONS	4			2	6
	ENVIRONMENTAL		1	3	6	10
	MAINTENANCE	4	1	4	3	12
TOTAL: 40	AIRCRAFT GENERAL	5			1	6
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	2				2
	OPERATIONS	2	1	3		6
	ENVIRONMENTAL	1		1	4	6
	MAINTENANCE		2	4		6
TOTAL: 21	AIRCRAFT GENERAL			1		1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE				2	2
TOTAL: 2	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-6 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME VI - BRAKES

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1			1	2
	EQUIPMENT	1				1
	OPERATIONS	5			1	6
	ENVIRONMENTAL		1	4	1	6
	MAINTENANCE	5		2	2	9
TOTAL: 33	AIRCRAFT GENERAL	8			1	9
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1				1
	EQUIPMENT	1				1
	OPERATIONS	3		3	2	8
	ENVIRONMENTAL			7	2	9
	MAINTENANCE	4	1	4	3	12
TOTAL: 39	AIRCRAFT GENERAL	6			2	8
TOTAL REMOVALS PER AIRCRAFT	MRD				1	1
	EQUIPMENT	2				2
	OPERATIONS			2		2
	ENVIRONMENTAL			3		3
	MAINTENANCE				2	2
TOTAL: 11	AIRCRAFT GENERAL				1	1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL				4	4
	MAINTENANCE				1	1
TOTAL: 5	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE				1	1
TOTAL: 2	AIRCRAFT GENERAL				1	1
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-7 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME VII - FLIGHT CONTROLS - HORIZONTAL STABILATOR

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1				1
	EQUIPMENT	1				1
	OPERATIONS	1			2	3
	ENVIRONMENTAL	1		1	5	7
	MAINTENANCE	2		2	3	7
TOTAL: 20	AIRCRAFT GENERAL			1		1
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1		1		2
	EQUIPMENT	1			1	2
	OPERATIONS	1				1
	ENVIRONMENTAL			1	4	5
	MAINTENANCE	2		1	2	5
TOTAL: 19	AIRCRAFT GENERAL	1	1	1	1	4
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL				3	3
	MAINTENANCE				1	1
TOTAL: 4	AIRCRAFT GENERAL					
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-8 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME VIII - FLIGHT CONTROLS - RUDDER

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS	2		1	2	5
	ENVIRONMENTAL			6	7	13
	MAINTENANCE	1		1		2
TOTAL: 22	AIRCRAFT GENERAL			1	1	2
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1				1
	EQUIPMENT	1				1
	OPERATIONS	3		4	1	8
	ENVIRONMENTAL	2		2	7	11
	MAINTENANCE			1	3	4
TOTAL: 26	AIRCRAFT GENERAL				1	1
TOTAL REMOVALS PER AIRCRAFT	MRD				1	1
	EQUIPMENT					
	OPERATIONS	2			1	3
	ENVIRONMENTAL				6	6
	MAINTENANCE					
TOTAL: 11	AIRCRAFT GENERAL				1	1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL: 1	AIRCRAFT GENERAL	1				1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-9 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME IX - FLIGHT CONTROLS - FLAPS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2				2
	EQUIPMENT	3				3
	OPERATIONS	1				1
	ENVIRONMENTAL	1		1	1	3
	MAINTENANCE	2		1	1	4
TOTAL: 16	AIRCRAFT GENERAL			2	1	3
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	2			3
	EQUIPMENT	2				2
	OPERATIONS	1		3		4
	ENVIRONMENTAL	1			1	2
	MAINTENANCE	2		3	3	8
TOTAL: 20	AIRCRAFT GENERAL				1	1
TOTAL REMOVALS PER AIRCRAFT	MRD		1			1
	EQUIPMENT	2				2
	OPERATIONS	1			1	2
	ENVIRONMENTAL		2			2
	MAINTENANCE	1		1	1	3
TOTAL: 11	AIRCRAFT GENERAL				1	1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL			1		1
	MAINTENANCE	1				1
TOTAL: 2	AIRCRAFT GENERAL					

TABLE 4.6.3-10 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME X - ENGINE

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1	4	2		7
	EQUIPMENT	2				2
	OPERATIONS	6	4	3	2	15
	ENVIRONMENTAL		1		10	11
	MAINTENANCE	5	2	1		8
TOTAL: 54	AIRCRAFT GENERAL	11				11
MAINTENANCE MANHOURS PER INSTALLED ENGINE	MRD		3	2	1	6
	EQUIPMENT	3				3
	OPERATIONS	4	3	3	2	12
	ENVIRONMENTAL	1	2		2	5
	MAINTENANCE		2	11	11	24
TOTAL: 51	AIRCRAFT GENERAL				1	1
MAINTENANCE MANHOURS PER ACFT	MRD	1	1	1		3
	EQUIPMENT	2				2
	OPERATIONS	1	4	3	1	9
	ENVIRONMENTAL	1	4	5		10
	MAINTENANCE	1	2	9	10	22
TOTAL: 47	AIRCRAFT GENERAL				1	1
ENGINE COMPONENT REMOVALS PER ACFT	MRD		1			1
	EQUIPMENT	2				2
	OPERATIONS	3	3	1		7
	ENVIRONMENTAL	2	2	1	7	12
	MAINTENANCE	4	2			6
TOTAL: 34	AIRCRAFT GENERAL	6				6
ENGINE GROUND ABORTS PER ACFT	MRD	1	1		1	3
	EQUIPMENT	3				3
	OPERATIONS	4	3	3		10
	ENVIRONMENTAL	3	4		2	9
	MAINTENANCE	1	3	3		7
TOTAL: 38	AIRCRAFT GENERAL	6				6
ENGINE AIR ABORTS PER ACFT	MRD					
	EQUIPMENT					
	OPERATIONS	7				7
	ENVIRONMENTAL	1	1	2	3	7
	MAINTENANCE	2				2
TOTAL: 20	AIRCRAFT GENERAL	4				4

TABLE 4.6.3-11 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XI - ENVIRONMENTAL CONTROL - WATER SEPARATOR

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD		1			1
	EQUIPMENT	1				1
	OPERATIONS	1		1	1	3
	ENVIRONMENTAL	1	3	1	1	6
	MAINTENANCE					
TOTAL: 12	AIRCRAFT GENERAL				1	1
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1	1	1	4
	EQUIPMENT	1				1
	OPERATIONS	1			1	2
	ENVIRONMENTAL	1	2	2	1	6
	MAINTENANCE	2			3	5
TOTAL: 20	AIRCRAFT GENERAL	1			1	2
TOTAL REMOVALS PER AIRCRAFT	MRD				2	2
	EQUIPMENT					
	OPERATIONS	1			1	2
	ENVIRONMENTAL		2			2
	MAINTENANCE	2			4	6
TOTAL: 14	AIRCRAFT GENERAL	1			1	2
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-12 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XII - POWER GENERATING - GENERATORS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2			2	4
	EQUIPMENT	1				1
	OPERATIONS	4			1	5
	ENVIRONMENTAL	1			2	3
	MAINTENANCE	2		1	4	7
TOTAL: 28	AIRCRAFT GENERAL	7			1	8
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1	1	1	4
	EQUIPMENT	2				2
	OPERATIONS	3			2	5
	ENVIRONMENTAL		2	9	3	14
	MAINTENANCE	4		2	3	9
TOTAL: 42	AIRCRAFT GENERAL	6			2	8
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	2				2
	OPERATIONS	5			1	6
	ENVIRONMENTAL		8	2	7	17
	MAINTENANCE	5		3		8
TOTAL: 44	AIRCRAFT GENERAL	10			1	11
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS	3				3
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL: 3	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL				3	3
	MAINTENANCE				1	1
TOTAL: 5	AIRCRAFT GENERAL				1	1
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE	1			1	2
TOTAL: 3	AIRCRAFT GENERAL				1	1

TABLE 4.6.3-13 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XIII - EXTERIOR LIGHTING - ANTI COLLISION LIGHTS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2				2
	EQUIPMENT	3				3
	OPERATIONS	1				1
	ENVIRONMENTAL	2	1	4	6	13
	MAINTENANCE			1		1
TOTAL: 20	AIRCRAFT GENERAL					
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1		1	1	3
	EQUIPMENT	3				3
	OPERATIONS					
	ENVIRONMENTAL			1	7	8
	MAINTENANCE			4	1	5
TOTAL: 19	AIRCRAFT GENERAL					
TOTAL REMOVALS PER AIRCRAFT	MRD				1	1
	EQUIPMENT	3				3
	OPERATIONS					
	ENVIRONMENTAL	1			7	8
	MAINTENANCE			1	4	5
TOTAL: 18	AIRCRAFT GENERAL			1		1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL	1				1
	MAINTENANCE					
TOTAL: 2	AIRCRAFT GENERAL	1				1

TABLE 4.6.3-14 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XIV- EXTERIOR LIGHTING - LANDING/TAXI LIGHTS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2		1	2	5
	EQUIPMENT	2				2
	OPERATIONS	1				1
	ENVIRONMENTAL	2	1		2	5
	MAINTENANCE	1		3	1	5
TOTAL: 19	AIRCRAFT GENERAL				1	1
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1		1	3
	EQUIPMENT	2				2
	OPERATIONS	1				1
	ENVIRONMENTAL	2	1		4	7
	MAINTENANCE	1		3		4
TOTAL: 17	AIRCRAFT GENERAL					
TOTAL REMOVALS PER AIRCRAFT	MRD		1		1	2
	EQUIPMENT	1				1
	OPERATIONS	1				1
	ENVIRONMENTAL	1	1		6	8
	MAINTENANCE	1			1	2
TOTAL: 16	AIRCRAFT GENERAL	1			1	2
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL				5	5
	MAINTENANCE				1	1
TOTAL: 7	AIRCRAFT GENERAL				1	1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL				3	3
	MAINTENANCE					
TOTAL: 3	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT	1				1
	OPERATIONS				2	2
	ENVIRONMENTAL		2		8	10
	MAINTENANCE					
TOTAL: 14	AIRCRAFT GENERAL	1				1

TABLE 4.6.3-15 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XV - HYDRAULIC POWER CONTROL - PUMPS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1	1	1	1	4
	EQUIPMENT	1				1
	OPERATIONS	6	3		4	13
	ENVIRONMENTAL	2			6	8
	MAINTENANCE	5	3			8
TOTAL: 43	AIRCRAFT GENERAL	8			1	9
MAINTENANCE MANHOURS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS	5				5
	ENVIRONMENTAL	4			7	11
	MAINTENANCE	5		1	1	7
TOTAL: 31	AIRCRAFT GENERAL	7			1	8
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	1				1
	OPERATIONS	2				2
	ENVIRONMENTAL	1	1	4	1	7
	MAINTENANCE	4			2	6
TOTAL: 20	AIRCRAFT GENERAL	3			1	4
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL			1		1
	MAINTENANCE					
TOTAL: 1	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS		3			3
	ENVIRONMENTAL					
	MAINTENANCE		2			2
TOTAL: 5	AIRCRAFT GENERAL					

TABLE 4.6.3-16 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XVI - INTERNAL FUEL - TANKS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1	1		2	4
	EQUIPMENT	1				1
	OPERATIONS	6		3		9
	ENVIRONMENTAL	2		4	1	7
	MAINTENANCE	3		9		12
TOTAL: 41	AIRCRAFT GENERAL	7			1	8
MAINTENANCE MANHOURS PER AIRCRAFT	MRD				1	1
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL	4	1	2	1	8
	MAINTENANCE	2		9	2	13
TOTAL: 24	AIRCRAFT GENERAL	1			1	2
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS	1				1
	ENVIRONMENTAL	1			3	4
	MAINTENANCE				2	2
TOTAL: 9	AIRCRAFT GENERAL				2	2
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-17 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XVII - LIQUID OXYGEN - REGULATORS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURE PER AIRCRAFT	MRD	1	2	1	1	5
	EQUIPMENT	2				2
	OPERATIONS	1	3	3		7
	ENVIRONMENTAL	1	2	7	7	17
	MAINTENANCE	4	1		10	15
TOTAL: 52	AIRCRAFT GENERAL	3		2	1	6
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1		1	3
	EQUIPMENT	1				1
	OPERATIONS	5	3	4		12
	ENVIRONMENTAL		1	9	3	13
	MAINTENANCE	6	2	1	10	19
TOTAL: 63	AIRCRAFT GENERAL	12		2	1	15
TOTAL REMOVALS PER AIRCRAFT	MRD			2		2
	EQUIPMENT					
	OPERATIONS		3			3
	ENVIRONMENTAL	1		3	7	11
	MAINTENANCE	2	1		11	14
TOTAL: 38	AIRCRAFT GENERAL	5		2	1	8
GROUND ABORTS PER AIRCRAFT	MRD				1	1
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL				3	3
	MAINTENANCE				1	1
TOTAL: 6	AIRCRAFT GENERAL				1	1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD		3			3
	EQUIPMENT					
	OPERATIONS	2	3			5
	ENVIRONMENTAL					
	MAINTENANCE	5	2			7
TOTAL: 16	AIRCRAFT GENERAL				1	1

TABLE 4.6.3-18 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XVIII - LIQUID OXYGEN - CONVERTERS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2		2	1	5
	EQUIPMENT	2				2
	OPERATIONS	4			1	5
	ENVIRONMENTAL				4	4
	MAINTENANCE	4				4
TOTAL: 26	AIRCRAFT GENERAL	6				6
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1	1		3
	EQUIPMENT	2				2
	OPERATIONS	2			3	5
	ENVIRONMENTAL				7	7
	MAINTENANCE	3		1		4
TOTAL: 25	AIRCRAFT GENERAL	4				4
TOTAL REMOVALS PER AIRCRAFT	MRD		1			1
	EQUIPMENT	2				2
	OPERATIONS	1		1	1	3
	ENVIRONMENTAL			5	9	14
	MAINTENANCE					
TOTAL: 22	AIRCRAFT GENERAL	2				2
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE				1	1
TOTAL: 2	AIRCRAFT GENERAL				1	1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE	1				1
TOTAL: 2	AIRCRAFT GENERAL	1				1

TABLE 4.6.3-19 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XIX - FIRE DETECTION - SENSORS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	1	2		5
	EQUIPMENT OPERATIONS	1		3		4
	ENVIRONMENTAL				1	1
	MAINTENANCE	1		11		12
TOTAL: 22	AIRCRAFT GENERAL					
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1			2
	EQUIPMENT OPERATIONS			1		1
	ENVIRONMENTAL			3	8	11
	MAINTENANCE	1			2	3
TOTAL: 19	AIRCRAFT GENERAL	1			1	2
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT OPERATIONS	1			3	4
	ENVIRONMENTAL	1		2	5	8
	MAINTENANCE					
TOTAL: 13	AIRCRAFT GENERAL	1				1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT OPERATIONS					
	ENVIRONMENTAL				8	8
	MAINTENANCE					
TOTAL: 9	AIRCRAFT GENERAL				1	1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL: 1	AIRCRAFT GENERAL				1	1
CANNIBILIZATIONS PER AIRCRAFT	MRD					
	EQUIPMENT OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-20 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XX - INSTRUMENTS - FLIGHT INDICATORS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	2	2	2	8
	EQUIPMENT	1				1
	OPERATIONS			4	4	8
	ENVIRONMENTAL	2	1	1	1	5
	MAINTENANCE	2	2	2		6
TOTAL: 31	AIRCRAFT GENERAL	2		1		3
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1		1		2
	EQUIPMENT	2				2
	OPERATIONS	4		3	4	11
	ENVIRONMENTAL	4		1	1	6
	MAINTENANCE	4		3		7
TOTAL: 32	AIRCRAFT GENERAL	2		2		4
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	2	1		1	4
	OPERATIONS			3	4	7
	ENVIRONMENTAL	1	2	2	2	7
	MAINTENANCE	1		3		4
TOTAL: 23	AIRCRAFT GENERAL	1				1
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS				2	2
	ENVIRONMENTAL				8	8
	MAINTENANCE					
TOTAL: 11	AIRCRAFT GENERAL				1	1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-21 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXI - INSTRUMENTS - AIR DATA INDICATING

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	2	2		6
	EQUIPMENT	5				5
	OPERATIONS	3				3
	ENVIRONMENTAL	2	2			4
	MAINTENANCE	4	1	2		7
TOTAL: 28	AIRCRAFT GENERAL	3				3
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	2	1	1	1	5
	EQUIPMENT	5				5
	OPERATIONS	3			1	4
	ENVIRONMENTAL	1	2	2	3	8
	MAINTENANCE	3	1	2	11	17
TOTAL: 41	AIRCRAFT GENERAL	1			1	2
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	3				3
	OPERATIONS	2			1	3
	ENVIRONMENTAL	2	1	1	2	6
	MAINTENANCE	5	1	2	10	18
TOTAL: 32	AIRCRAFT GENERAL	1			1	2
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-22 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXII - INSTRUMENTS - HSI

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	2	2		6
	EQUIPMENT					
	OPERATIONS	8	2	3		13
	ENVIRONMENTAL		2	4	2	8
	MAINTENANCE	6	1	11		18
TOTAL: 58	AIRCRAFT GENERAL	12			1	13
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1	1	1	4
	EQUIPMENT	2				2
	OPERATIONS	7		3	4	14
	ENVIRONMENTAL		1	5	6	12
	MAINTENANCE	7		3		10
TOTAL: 53	AIRCRAFT GENERAL	11				11
TOTAL REMOVALS PER AIRCRAFT	MRD				1	1
	EQUIPMENT					
	OPERATIONS	6		3	1	10
	ENVIRONMENTAL	1	2	4	4	11
	MAINTENANCE	6		11		17
TOTAL: 49	AIRCRAFT GENERAL	10				10
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL				2	2
	MAINTENANCE					
TOTAL: 2	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-23 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXIII - AUTO PILOT

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	2	2		6
	EQUIPMENT	5				5
	OPERATIONS	7	3	3	2	15
	ENVIRONMENTAL	1	6	5	8	20
	MAINTENANCE	8		9		17
TOTAL: 77	AIRCRAFT GENERAL	14				14
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1	1	1	4
	EQUIPMENT	6				6
	OPERATIONS	8	3	3		14
	ENVIRONMENTAL	4	8	5	6	23
	MAINTENANCE	6	2	11	1	20
TOTAL: 78	AIRCRAFT GENERAL	11				11
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	6				6
	OPERATIONS	7	3	3		13
	ENVIRONMENTAL	4	9	6	2	21
	MAINTENANCE	8	2	9	2	21
TOTAL: 73	AIRCRAFT GENERAL	12				12
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-24 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXIV - UHF COMMUNICATIONS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	1	2	1	6
	EQUIPMENT	3				3
	OPERATIONS	4	1			5
	ENVIRONMENTAL	2	2	4		8
	MAINTENANCE	4				4
TOTAL: 29	AIRCRAFT GENERAL	3				3
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1	1	2	5
	EQUIPMENT	3				3
	OPERATIONS	3		1		4
	ENVIRONMENTAL	1		3	4	8
	MAINTENANCE	4			1	5
TOTAL: 29	AIRCRAFT GENERAL	3			1	4
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	4				4
	OPERATIONS	5		1		6
	ENVIRONMENTAL	2	4	2	2	10
	MAINTENANCE	4		8		12
TOTAL: 38	AIRCRAFT GENERAL	6				6
GROUND ABORTS PER AIRCRAFT	MRD				1	1
	EQUIPMENT					
	OPERATIONS				1	1
	ENVIRONMENTAL				2	2
	MAINTENANCE					
TOTAL: 5	AIRCRAFT GENERAL				1	1
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS				1	1
	ENVIRONMENTAL				5	5
	MAINTENANCE					
TOTAL: 7	AIRCRAFT GENERAL				1	1

TABLE 4.6.3-25 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXV - IFF - TRANSPONDER

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	1	1	1	5
	EQUIPMENT	3				3
	OPERATIONS	3	2	3		8
	ENVIRONMENTAL	2	2		4	8
	MAINTENANCE	2				2
TOTAL: 27	AIRCRAFT GENERAL	1				1
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1	1			2
	EQUIPMENT	3				3
	OPERATIONS	2		1		3
	ENVIRONMENTAL	4		1	7	12
	MAINTENANCE	2		3		5
TOTAL: 28	AIRCRAFT GENERAL	2			1	3
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	4				4
	OPERATIONS	4	1	3	1	9
	ENVIRONMENTAL	5	1	1	2	9
	MAINTENANCE	4		2		6
TOTAL: 30	AIRCRAFT GENERAL	2				2
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-26 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXVI - RADIO NAVIGATION - RECEIVERS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	1	2	2		5
	EQUIPMENT	1				1
	OPERATIONS	4		1	1	6
	ENVIRONMENTAL	7	1	5	4	17
	MAINTENANCE		1	1		2
TOTAL: 32	AIRCRAFT GENERAL	1				1
MAINTENANCE MANHOURS PER AIRCRAFT	MRD		1	1		2
	EQUIPMENT	4				4
	OPERATIONS	5		1		6
	ENVIRONMENTAL	8	2	1	8	19
	MAINTENANCE	4	1			5
TOTAL: 39	AIRCRAFT GENERAL	2			1	3
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS	4	1	1		6
	ENVIRONMENTAL	8	1	4	4	17
	MAINTENANCE		1			1
TOTAL: 27	AIRCRAFT GENERAL	2			1	3
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS				4	4
	ENVIRONMENTAL				1	1
	MAINTENANCE					
TOTAL: 5	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-27 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXVII - RADIO NAVIGATION - TACAN SETS

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	1	2	2	7
	EQUIPMENT	1				1
	OPERATIONS	4	1	3		8
	ENVIRONMENTAL	1	2	1	2	6
	MAINTENANCE	4				4
TOTAL: 32	AIRCRAFT GENERAL	6		1		6
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1		1	1	3
	EQUIPMENT	2				2
	OPERATIONS	6			1	7
	ENVIRONMENTAL	1		1	3	5
	MAINTENANCE	6				6
TOTAL: 33	AIRCRAFT GENERAL	10				10
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	2				2
	OPERATIONS	6			1	7
	ENVIRONMENTAL	1	1	1	3	6
	MAINTENANCE	5				5
TOTAL: 31	AIRCRAFT GENERAL	10		1		11
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

TABLE 4.6.3-28 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXVIII - RADIO NAVIGATION - ATTITUDE HEADING

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	2	2		6
	EQUIPMENT	2				2
	OPERATIONS	6	3	2		11
	ENVIRONMENTAL	6	1	8	7	22
	MAINTENANCE	1		8	1	10
TOTAL: 58	AIRCRAFT GENERAL	5		1	1	7
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	2	1	1	2	6
	EQUIPMENT	2				2
	OPERATIONS	6		2	2	10
	ENVIRONMENTAL	5	3	8	3	19
	MAINTENANCE	3		9	11	23
TOTAL: 63	AIRCRAFT GENERAL	2			1	3
TOTAL REMOVALS PER AIRCRAFT	MRD	2			1	3
	EQUIPMENT	1				1
	OPERATIONS	5				5
	ENVIRONMENTAL	6	11	6	5	28
	MAINTENANCE	4		8	10	22
TOTAL: 62	AIRCRAFT GENERAL	1	1		1	3
GROUND ABORTS PER AIRCRAFT	MRD				1	1
	EQUIPMENT					
	OPERATIONS				3	3
	ENVIRONMENTAL				5	5
	MAINTENANCE					
TOTAL: 9	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS				3	3
	ENVIRONMENTAL				1	1
	MAINTENANCE				10	10
TOTAL: 15	AIRCRAFT GENERAL				1	1

TABLE 4.6.3-29 NUMBER OF MIER'S DETECTED AND RETAINED

SUBSYSTEM EQUIP DATA VOLUME XXIX - RADIO NAVIGATION - RADAR SET

MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	7 ACFT COMP.	B-52A	KC-135A	T-38A	TOTAL
FAILURES PER AIRCRAFT	MRD	2	1	1		4
	EQUIPMENT	4				4
	OPERATIONS	4	4	2		10
	ENVIRONMENTAL	3	10	8		21
	MAINTENANCE	4	2			6
TOTAL: 48	AIRCRAFT GENERAL	2		1		3
MAINTENANCE MANHOURS PER AIRCRAFT	MRD	1				1
	EQUIPMENT	8				8
	OPERATIONS	8				8
	ENVIRONMENTAL	4	1	1		6
	MAINTENANCE	7	1	3		11
TOTAL: 45	AIRCRAFT GENERAL	11				11
TOTAL REMOVALS PER AIRCRAFT	MRD					
	EQUIPMENT	4				4
	OPERATIONS	5	4	2		11
	ENVIRONMENTAL	1	7	11		19
	MAINTENANCE	9	3			12
TOTAL: 59	AIRCRAFT GENERAL	11		2		13
GROUND ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					
AIR ABORTS PER AIRCRAFT	MRD					
	EQUIPMENT					
	OPERATIONS					
	ENVIRONMENTAL					
	MAINTENANCE					
TOTAL:	AIRCRAFT GENERAL					

The relationships developed in the MIER's discussed above were ranked and cataloged as to strenght of correlation and Maintenance Resource Demand (MRD) sensitivity. The strength of correlation will indicate the purity of the cause and effect relationship or common linkage between particular Maintenance Resource Demand Parameter vs various equipment, operations, environmental, maintenance, and aircraft general characteristics. The MRD impact sensitivity will be indicated by the normalized slope of the regression curve and represents the expected magnitude and direction of MRD parameter change per unit change in the particular equipment, operations, environmental, maintenance, and aircraft general characteristics linked by the MIER as a dependent/independent variable pair.

4.7 CONCLUSIONS AND RECOMMENDATIONS

4.7.1 Conclusions

This report describes the work accomplished under Phases I and II of a three phase study to: "Develop More Accurate Measures and Weightings to Improve Resource Requirements Predictions for Operational and Emerging Aircraft Weapon Systems."

The objectives of Phases I and II were: (1) review related studies/publications; (2) select a representative cross-section of aircraft and subsystems/equipments; (3) identify appropriate parameters/variables; (4) acquire and formalize applicable data; and (5) perform the initial computerized screening analysis.

Results of work accomplished during Phases I and II that are included in this report are:

(1) A STINFO search was conducted and over 1200 abstracts were screened resulting in over 300 documents being obtained and over 100 of these retained as having useful study related information.

(2) Seven different types of aircraft and 262 equipment items were selected to be studied.

(3) Various maintenance, hardware, operational, environmental, and aircraft general parameters were identified and 155 individual parameters were selected for input to the analysis of the subsystem equipments.

(4) The appropriate input data was identified, acquired, processed and formulated for the 155 selected parameters, against the 262 subsystem equipments selected from seven different aircraft at 29 individual aircraft locations (Air Force bases).

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(5) The "PKING" data manipulation program was selected and applied to the input data described in (4) above, produced scatterplots of the various dependent (Maintenance Resource Demand) and independent (other) parameter relationships. 71,200 individual scatterplots were produced and reviewed for favorable relationships. Approximately 96% of the scatterplots were rejected leaving about 3,000 apparently correlated relationships, which formulates the data base for the recommended follow-on analysis to be performed during Phase III.

4.7.2 Recommendations

The next step in the analysis process (to be accomplished during 1980 and 1981) is to reexamine the apparently correlated relationships within each subsystem/equipment and type parameter categories, by performing in-depth analysis utilizing other computerized statistical packages and additional data parameters where possible. The in-depth analysis is planned to be accomplished as follows:

(1) Extract source data from the applicable MIER's detected on each subsystem/equipment and aircraft groupings during the Phase I and II analysis.

(2) Reconstitute extracted source data into model development data sets for each applicable subsystem/equipment within each aircraft grouping.

(3) Perform stepwise regressing analysis on each data set for each subsystem equipment, to find the best fit multiple regression model(s):

MRD=F (Equipment Parameters)
MRD=F (Operational Parameters)
MRD=F (Environmental Parameters)
MRD=F (Maintenance Parameters)
MRD=F (Aircraft General Parameters)

(4) Develop source data for composit models by reconstituting a composite data set for each subsystem/equipment:

MRD vs equipment, operational, environmental, maintenance, and aircraft general parameters in optimized generic maintenance models.

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(5) Perform stepwise regression analysis on each composite data set to find best fit regression model:

MRD=F (equipment, operational, environmental, maintenance, and aircraft general) selected by stepwise regression.

(6) Develop and publish Maintenance Resource Demand (MRD) estimating model(s)/equations for both single parameter data sets and composite parameter data sets.

The actual relationships developed during this in-depth analysis process will then be automated in the form of equations and formulas which will result in a standardized parametric generating technology base for predicting logistics support requirements (MRD's) for use on new aircraft development programs.

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REVISIONS

LTR	DESCRIPTION	DATE	APPROVAL
A	This is a complete Revision	1-15-80	G.R. Herrold

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ACTIVE SHEET RECORD

SHEET NO.	REV LTR	ADDED SHEETS				SHEET NO.	REV LTR	ADDED SHEETS			
		SHEET NO.	REV LTR	SHEET NO.	REV LTR			SHEET NO.	REV LTR	SHEET NO.	REV LTR
Title	A										
i thru ix	A										
1 thru 91.1	A										
92 thru 107	A										
A-1 thru A-165	A										
A-168 thru A-190	A										
B-1 thru B-30	A										
C-1 thru C-7	A										

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REFERENCES

1. Mil-Standard 1388-1, "Logistics Support Analysis," Department of Defense, October 15, 1973.

2. Fisher, R. R., Capt., et al, "The Logistics Composite Model: An Overall View,: Memorandum RM 5544-PR, May 1968, The Rand Corporation.

3. Drake, William F., et al, "Logistics Composite Model User's Reference Guide," AD 703 328, AFLC Report 70-1, January 1970.

4. Drake, William F., "Logistics Composite Model User's Reference Guide Update," AFLC/ADDR Report 74-1, November 1974.

5. Brown, Frank D., et al, "Historical Analysis of C-130E Resources," AFHRL-TR-77-48, July 1977, Boeing Aerospace Company.

6. Packard, D. L., Deputy Secretary of Defense, Department of Defense Directive 5000.1, "Acquisitions of Major Defense Systems" July 1971.

7. Augustine, Norman R., Assistant Secretary of Army, R&D, "One Plane, One Tank, One Ship: Trend of the Future," Defense Management Journal, April 1975.

8. Editorial Staff, Defense Management Journal, "Reliability," April 1976.

9. Editorial Staff, Defense Management Journal, "Management Management," October 1976.

10. Editorial Staff, Defense Management Journal, "Who Needs Early Support Planning," January 1977.

11. Editorial Staff, Defense Management Journal, "Productivity," April 1977.

12. Editorial Staff, Defense Management Journal, "Life Cycle Cost," January 1976.

DD 6000 2145 ORIG. 4/71

BIBLIOGRAPHY

Abe, Katsuji, SRAM RELIABILITY PROGRAM STATUS REPORT. D220-10137-15, The Boeing Company, June 1975.

Anderson, J. E., CORRELATION OF RELIABILITY PERFORMANCE MEASUREMENTS. Proceedings: 1970 Annual Reliability and Maintainability Symposium, 1970.

Anderson, R. T., RELIABILITY DESIGN HANDBOOK. IIT Research Institute, Chicago, Illinois, under contract to Rome Air Developmental Center, Griffiss AFB, New York, Catalog No. RDH-376, March 1976.

Armstrong, B. E., AVIONICS DATA FOR COST ESTIMATING. P-5745-1, Rand Corporation, March 1977.

Ashley, Paul E., ASSESSING COMPONENT LIFE FROM FIELD SERVICE TESTS. Proceedings: 1970 Annual Symposium on Reliability and Maintainability. IEEE, Inc., 1970.

Baker, Richard L., and George A. Kern, OPERATIONAL INFLUENCES ON AVIONICS RELIABILITY. The Journal of Environmental Sciences, September/October 1976.

Balabin, H. S., et al, AVIONICS RELIABILITY AND MAINTAINABILITY PREDICTION BY FUNCTION. RADC-TR-66-509, by the Arinc Research Corporation for the Rome Air Development Center Research and Technology Division, Griffiss AFB, New York, October 1966.

Barber, David F., SYSTEM RELIABILITY PREDICTION BY FUNCTION. RADC-TDR-63-146, by Equipment and Systems Branch, Federal Electric Corporation, Paramus, New Jersey, for Rome Air Development Center Research and Technology Division, Griffiss AFB, New York, May 1963.

Bauer, J. A., et al, DORMANCY AND POWER ON-OFF CYCLING EFFECTS ON ELECTRONIC EQUIPMENT AND PART RELIABILITY. RADC-TR-73-248, Rome Air Development Center, Air Force Systems Command, Griffiss AFB, New York, August 1973.

Bellinger, Dwight Q., et al, RELIABILITY PREDICTION AND DEMONSTRATION FOR GROUND ELECTRONIC EQUIPMENT. RADC-TR-68-280, TRW Systems, Redondo Beach, California, for Rome Air Development Center, Griffiss AFB, New York, November 1968.

Bezat, A., et al, GROWTH MODELING IMPROVES RELIABILITY PREDICTIONS. Proceedings: 1975 Annual Reliability and Maintainability Symposium, 1975.

Bizup, J. A., TECHNIQUES FOR SELECTING AND ANALYZING RELIABILITY IMPROVEMENT WARRANTIES. ADA 014575, Naval Weapons Engineering Support Activity, June 1975.

Blasingame, B. P., et al, PROGRAM STATUS AND RELIABILITY SUMMARY. Delco Electronics, Milwaukee, Wisconsin for The Boeing Company, March 1971.

Boyd, James A., Jr., Major, USAF, and Gary J. Toy, Major, USAF, AN EVALUATION OF THE USE OF THE LOGISTICS COMPOSITE MODEL TO MEASURE THE EFFECTIVENESS OF AIRCRAFT FLYING SCHEDULES. SLSR#8-75B, Department of Research and Communicative Studies (SLGR), Air Force Institute of Technology, Wright-Patterson AFB, Ohio, August 1975.

Boyd, M. L., Major, USAF, A STATISTICAL STUDY TO DETERMINE IF A DEPENDENCY EXISTS BETWEEN VEHICLE MAINTENANCE LABOR HOURS AND BASE CLIMATE, Air Command and Staff College, Maxwell AFB, Alabama, April 1978.

Brady, J. H., and R. B. Waina, SUPPORT COST IMPACTS OF RELIABILITY PREDICTIONS. Paper presented at American Institute of Aeronautics and Astronautics, Inc. Aircraft Systems and Technology Meeting, Seattle, Washington, August 22-24, 1977.

Brown, Frank D., et al, C-130E HERCULES AIRCRAFT: REVIEW OF PUBLISHED LITERATURE AND STRUCTURED INTERVIEWS. AFHRL-TR-77-40, Boeing Aerospace Company, Seattle, Washington, for HQ Air Force Human Resources Laboratory, Wright-Patterson AFB, Ohio, July 1977.

Brown, Frank D., et al, LIFE CYCLE COST OF C-130E WEAPON SYSTEMS. AFHRL-TR-77-46, Boeing Aerospace Company, Seattle, Washington, for HQ Air Force Human Resources Laboratory, Wright-Patterson AFB, Ohio, July 1977.

Brown, Frank D., et al, HISTORICAL WEAPON SYSTEM RESOURCE UTILIZATION METHODOLOGY. AFHRL-TR-77-64(I), Boeing Aerospace Company, Seattle, Washington, for HQ Air Force Human Resources Laboratory, Wright-Patterson AFB, Ohio, September 1977.

Brown, Frank D., et al, HISTORICAL ANALYSIS OF C-130E MAINTENANCE JOBS. AFHRL-TR-77-64(II), Boeing Aerospace Company, Seattle, Washington, for HQ Air Force Human Resources Laboratory, Wright-Patterson AFB, Ohio, September 1977.

Brussell, Eugene R., Kenneth R. Pope, and Kinji M. Tasugi, COST OF OWNERSHIP-INDUSTRY VIEWPOINT PARAMETRIC ANALYSIS OF OPERATING AND SUPPORT COSTS. Proceedings: 1975 Annual Reliability and Maintainability Symposium, 1975.

Cary, Henry B., BUILD HARDWARE THAT KEEPS ON WORKING. Electronic Design, May 10, 1978.

Clarke, James M., and William P. Cougan, RPM - A RECENT REAL LIFE CASE HISTORY. Proceedings: 1978 Annual Reliability and Maintainability Symposium, published by the Institute of Electrical and Electronics Engineers, Inc., 1978.

Cole, W. P., RELIABILITY TESTING DURING DEVELOPMENT. G.E.C.-A.E.I. (Electronics) Limited, Applied Electronics Laboratories, Stanmore, Middlesex, Great Britain, Pergamon Press, 1969.

Coppola, Anthony, and John E. Daveau, COMPARISON OF PREDICTED AND DEMONSTRATED RELIABILITY AND MAINTAINABILITY FIGURES. 1968 Product Assurance Conference and Technical Exhibit (Book #658.56206 C76P 1968), System Effectiveness and Support Section, Rome Air Development Center, Griffiss AFB, New York, 1968.

Cundari, L. A., A COMPARISON BETWEEN THE AN/ARN-84(V) AND THE AN/ARN-118(V) TACANS, BASED ON LIFE CYCLE COSTS. AD-A035066, Naval Systems Engineering Support Activity, Weapons Systems Analysis Department (ESA-19), Washington Navy Yard, Washington, D. C., November 1976.

Dantowitz, Allan, and George Hirschberger, EVALUATION OF ENVIRONMENTAL PROFILES FOR RELIABILITY DEMONSTRATION. The Journal of Environmental Sciences, January/February 1976.

Davis, Charles G., USAF, and Clifford T. Smith, Captain, USAF., AN EVALUATION OF THE CAPABILITY OF THE LOGISTICS COMPOSITE MODEL TO PROJECT THE MONTHLY AIRCRAFT SORTIE EFFECTIVENESS OF AN F-15 WING. AD-047227, LSSR-2-77B, Department of Research and Administrative Management, Wright-Patterson AFB, Ohio, September 1977.

Deem, R. N., and G. N. Faucheux, PREDICTING POWERED SUPPORT EQUIPMENT AND ASSOCIATED MAINTENANCE MANPOWER REQUIREMENTS. AFHRL-TR-77-43 (AD-A048876), Air Force Human Resources Laboratory, Brooks AFB, Texas, August 1977.

Drake, W. F. III, LCOM II SIMULATION SOFTWARE USERS REFERENCE GUIDE. AFMSMET 78-1, May 1, 1978.

Drake, William F., et al, THE LOGISTICS COMPOSITE MODEL: USERS' REFERENCE GUIDE. AFLC Report 74-1, Research Division (MCCTR) HQ, Air Force Logistics Command, Wright-Patterson AFB, Ohio, January 1970.

Duckworth, Johnny D., and Richard P. Quintana, COMPUTER SUPPORT IN AIR FORCE MAINTENANCE. Proceedings: 1978 Annual Reliability and Maintainability Symposium, 1978.

Dworkin, Eli J., and Raj P. Misra, Ph.D., A NEW METHOD FOR PREDICTING RELIABILITY. Electronic Industries, June 1966.

Ekings, J. Douglas, PROFIT AND CUSTOMER SATISFACTION EQUALS THE SPECIFICATION FOR COMMERCIAL RELIABILITY PROGRAM. Proceedings: 1976 Annual Reliability and Maintainability Symposium, 1976.

Fisher, R. R., et al, THE LOGISTICS COMPOSITE MODEL: AN OVERALL VIEW. Memorandum RM-5544-PR, United States Air Force Project Rand, May 1968.

Florence, Roger N., et al, RELIABILITY AND MAINTAINABILITY ALLOCATIONS, ASSESSMENTS, AND ANALYSIS REPORT FOR B-1 AVIONICS. D229-10096-1, Boeing Aerospace Company, January 1973.

Forbes, James A., Captain, USAF, and Phillip P. Wyatt, Captain, USAF, OPTIMAL REPLACEMENT POLICY FOR THE F-15 AIRCRAFT ENGINE MODULES. SLSR7-75B, Department of Research and Communicative Studies (SLGR), Air Force Institute of Technology, Wright-Patterson AFB, Ohio, August 1975.

Freudenthal, A. M., THE EXPECTED TIME TO FIRST FAILURE. AD 482571 (AFML-TR-66-37), Air Force Materials Laboratory, Wright-Patterson AFB, Ohio, February 1966.

Gaertner, W. W., AUTOMATIC ELECTRONIC COMPONENT FAILURE RATE PREDICTION WITH MIL-HDBK-217B. IEEE Transactions on Reliability, Vol. R-26, No. 3, August 1977.

Geisler, Murray A., et al, VOLUMES I AND II: A MACRO ANALYSIS OF DoD LOGISTICS SYSTEMS. Logistics Management Institute, Washington, D. C., for Department of Defense Logistics Systems, December 1976.

George, Laurence L., RE-EVALUATION OF THE AIR FORCE ACTUARIAL SYSTEM. Proceedings: 1978 Annual Reliability and Maintainability Symposium, 1978.

Gorton, H. Clay, A RELIABILITY EVALUATION OF PLASTIC PACKAGED SEMI-CONDUCTOR COMPONENTS. IEEE Transactions on Reliability, Vol. R-24, No. 3, August 1975.

Grange, J. M., and J. Dorleans, PRECISION OF RELIABILITY ESTIMATIONS. Pergamon Press 1970, Vol. 9, printed in Great Britian, 1970.

Green, J. E., RELIABILITY GROWTH MODELING FOR AVIONICS. North Atlantic Treaty Organization Advisory Group for Aerospace Research and Development document, AGARD Lecture Series No. 81, lecture number two, 1976.

Gregor, D. D., et al, TACTICAL FIGHTER ON-AIRCRAFT MAINTENANCE CHARACTERISTICS STUDY. WSDS 74-17, Vol. 3 (AD-A018791), Northrop Corporation, Aircraft Division Maintainability and System Support Group, June 1974.

Gregor, D. D., et al, TACTICAL FIGHTER OFF-AIRCRAFT MAINTENANCE CHARACTERISTICS STUDY. WSDS 74-17, Vol. IV (AD-A018792), Northrop Corporation, Aircraft Division Maintainability and System Support Group, June 1974.

Gregor, D. D., et al, TACTICAL FIGHTER AIRCRAFT MAINTENANCE CHARACTERISTICS STUDY. WSDS 74-17, Vol. 2 (AD-A018790), Northrop Corporation, Aircraft Division Maintainability and System Support Group, June 1974.

Hall, Eldon C., RELIABILITY HISTORY OF THE APOLLO COMPUTER. NASA-CR-140340 (N75-12345), Charles Stark Draper Laboratory, Massachusetts Institute of Technology, Cambridge, Massachusetts, January 1972.

Harrison, N. C., and D. E. Nickle, THE PRECISION OF RELIABILITY ESTIMATES BASED ON SMALL SAMPLE SIZES. PWA FR-799, Pratt and Whitney Aircraft, December 1963.

Hicks, Verlesta B., and Donal C. Tetmeyer, Major, USAF, SIMULATING MAINTENANCE MANNING FOR NEW WEAPON SYSTEMS: VOLUME IV, DATA BASE MANAGEMENT PROGRAMS. AFHRL-TR-74-97(IV), Air Force Systems Command, Brooks AFB, Texas, December 1974.

Hovis, James B., EFFECTIVENESS OF RELIABILITY SYSTEM TESTING ON QUALITY AND RELIABILITY. Proceedings: 1977 Annual Reliability and Maintainability Symposium, 1977.

Howell, Lawrence D., Captain, USAF, A METHOD FOR ADJUSTING MAINTENANCE FORECASTS TO ACCOUNT FOR PLANNED AIRCRAFT SORTIE LENGTHS. ASD/TR-78-26, Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson AFB, Ohio, August 1978.

Hubbard, Clarke D., Captain, USAF, and Charles R. Lindke, Captain, USAF, THE IDENTIFICATION OF A PRECEDENCE NETWORK ASSOCIATED WITH BASE LEVEL AIRCRAFT MAINTENANCE. SLSR 12-75B, Department of Research and Communicative Studies (SLGR), Air Force Institute of Technology/SLGR, Wright-Patterson AFB, Ohio, August 1975.

Hunt, William R., and Robert W. Fink, RELIABILITY CONTRACTING FOR REDUCED SUPPORT COSTS. Proceedings: 1976 Annual Reliability and Maintainability Symposium, 1976.

Jacobson, A. J., and M. R. Nusbaum, DIFAR RELIABILITY: 781 AND FIELD. Proceedings: 1976 Annual Reliability and Maintainability Symposium, 1976.

Johnson, J. D., and L. T. Stewart, FAILURE PREDICTION FROM INTERVAL DATA. Proceedings: 1971 Annual Symposium on Reliability and Maintainability, 1971.

Johnson, W. L., and R. E. Reel, MAINTAINABILITY/RELIABILITY IMPACT ON SYSTEM SUPPORT COSTS. Technical Report AFFDL-TR-73-157 (D180-17822-1), Boeing Aerospace Company, Seattle, Washington, December 1973.

Keller, Kenneth R., Major, USAF, LOGISTICS COMPOSITE MODEL SUPERVISOR'S GUIDE FOR STUDENT TRAINING TEXT. Tactical Air Command, Langley AFB, Virginia, July 1977.

Kennedy, Peter J., APPLICATION OF RAM (RELIABILITY, AVAILABILITY, AND MAINTAINABILITY) TO COMMUNICATIONS SYSTEMS. IEEE Transactions on Reliability, Vol. R-25, No. 5, December 1976.

Kern, G. A., and T. M. Drnas, OPERATIONAL INFLUENCES ON RELIABILITY. RADC-TR-76-366, Hughes Aircraft Company, Culver City, California, for Rome Air Development Center, Griffiss AFB, New York, 1976.

Klass, Philip J., AVIONICS FAILURE RATES BETTER PROJECTIONS. Aviation Week and Space Technology, November 13, 1972.

Kujawski, George F., and Edward A. Rypka, EFFECTS OF 'ON-OFF' CYCLING ON EQUIPMENT RELIABILITY. Proceedings: 1978 Annual Reliability and Maintainability Symposium, 1978.

Kunznick, Gene A., F-15 RELIABILITY PROGRAM MANAGEMENT. Final Report of the Joint Logistics Commanders Electronic Systems Reliability Workshop, August 1975.

Large, Joseph P., and Harry G. Campbell, PARAMETRIC EQUATIONS FOR ESTIMATING AIRCRAFT AIRFRAME COSTS. R-1693-PA+E, Rand Corporation, May 1975.

Lauffenberger, H. A., and John L. Fuchs, A SYSTEM FOR EFFECTIVE TRANSFERRAL OF MICROELECTRONIC RELIABILITY EXPERIENCE. Annals of Assurance Sciences - Reliability and Maintainability, 1969.

Livers, Paul J., PREDICTION AND OPTIMIZATION OF FAILURE RATES (PROF 200) PROGRAMMING MANUAL. NAFI-TR-1915 (AD-A013208), Naval Electronics Command, Naval Avionics Facility, Indianapolis, Indiana, June 17, 1975.

Lyman, K. A., A UNIFYING RELIABILITY ANALYSIS PHILOSOPHY. Proceedings: 1970 Annual Symposium on Reliability, 1970.

Maher, Frank A., and Michael L. York, SIMULATING MAINTENANCE MANNING FOR NEW WEAPON SYSTEMS: VOLUME ONE, MAINTENANCE MANPOWER MANAGEMENT DURING WEAPON SYSTEM DEVELOPMENT. AFHRL-TR-74-97(I), Advanced Systems Division, Wright-Patterson AFB, Ohio, December 1974.

Mercurio, S. P., and J. M. Black, RELIABILITY LIFE CYCLE OF A COMPLEX ELECTRONIC AIRBORNE EQUIPMENT. IEEE Transactions on Reliability, Vol. R-24, No. 1, April 1975.

Miller, S. G., RESEARCH STUDY OF RADAR RELIABILITY AND ITS IMPACT ON LIFE CYCLE COST. AD-912120L, General Electric, April 1973.

Moody, Sidney E., Colonel, USAF, T-37/T-38 COST PER FLYING HOUR STUDY., LD-38783A, Study for AFLMC Project 770404C5 by HQ ATC/LGYA, 1977.

Moody, William D., SMSgt, USAF, Donald C. Tetmeyer, Major, USAF, and Sharon R. Nichols, SIMULATING MAINTENANCE MANNING FOR NEW WEAPON SYSTEMS: VOLUME V, MANPOWER PROGRAMS. AFHRL-TR-74-97(V), Air Force Systems Command, Brooks AFB, Texas, December 1975.

Moore, Thomas K., Major, USAF, ENVIRONMENTAL EFFECTS ON MAINTENANCE COSTS FOR AIRCRAFT EQUIPMENT. AFML-TR-76-31, Air Force Materials Laboratory, Air Force Systems Command, Wright-Patterson AFB, Ohio, May 1976.

Muglia, V. O., et al, MTBF PREDICTION TECHNIQUES - A COMPARATIVE ANALYSIS. Proceedings: 1972 Annual Reliability and Maintainability Symposium, 1972.

Murata, Tadashi, RELIABILITY CASE HISTORY OF AN AIRBORNE AIR DATA COMPUTER. IEEE Transactions on Reliability, Vol. R-24, No. 2, June 1975.

Myers, R. H., C. M. DeWitt III, and A. J. Feduccia, AIRBORNE ELECTRONIC EQUIPMENT GUARANTEES. Annals of Reliability and Maintainability, 1970.

Nelson, J. R., LIFE CYCLE ANALYSIS OF AIRCRAFT TURBINE ENGINES. Document No. R-2103-AF, Rand Corporation, Santa Monica, California, for the USAF, November 1977.

No Author Credited, COMMON DATA EXTRACTION PROGRAMS (CDEP), AFMSMET, Air Force Management Engineering Agency, March 1978.

No Author Credited, AVIONICS PROBLEMS MARRYING DEBUT OF F-15 WITH TAC. Aviation Week and Space Technology, Vol. 103, No. 24, December 15, 1975.

No Author Credited, NAVY PUSHES AIRCRAFT FLEET READINESS. Aviation Week and Space Technology, Vol. 106, No. 5, January 31, 1977.

No Author Credited, AVIONICS DESIGN FOR RELIABILITY. Advisory Group for Aerospace Research and Development (AGARD), Document AGARD-LS-81, 1976.

No Author Credited, CLIMATIC BRIEFS. AWS Pamphlet 105-4, Vol. I through IX, April 3, 1978.

No Author Credited, OPERATING AND SUPPORT COSTS OF NEW WEAPON SYSTEMS COMPARED WITH THEIR PREDECESSORS. LCD-77-429, Department of Defense, Air Force and Navy, October 17, 1977.

No Author Credited, E-3A PROGRAM RELIABILITY AND MAINTAINABILITY STATUS REPORT. Document 2-6621-R&M-23, The Boeing Company, Seattle, Washington, November 1977.

No Author Credited, LOGISTIC SUPPORT ANALYSIS. MIL-STD-1388-1, October 1973.

No Author Credited, RELIABILITY PREDICTION OF ELECTRONIC EQUIPMENT. MIL-HDBK-217B, Sept. 1974.

No Author Credited, RELIABILITY/MAINTAINABILITY ALLOCATIONS, ASSESSMENTS AND ANALAYSIS REPORT FOR THE AN/GPS-6 AIR TRAFFIC CONTROL KIT, PART I. Westinghouse Defense and Space Center, June 1970.

Owens, P. R., Major, USAF, et al, AVIONICS MAINTENANCE STUDY. AFAL-TR-77-90, Air Force Avionics Laboratory, Wright-Patterson AFB, Ohio, June 1976.

Pace, F. D., OPERATIONAL FACTORS IN SYSTEM RELIABILITY PREDICTIONS. Annals of Reliability and Maintainability Volume 5, ACHIEVING SYSTEM EFFECTIVENESS, American Institute of Aeronautics and Astronautics, New York, 1966.

Phaller, L., et al, OPERATIONAL INFLUENCES ON MAINTAINABILITY. RADC-TR-77-193, Defense and Electronic Systems Center, Westinghouse Electric Corporation, Baltimore, Maryland, for the Rome Air Development Center, Griffiss AFB, New York, July 1977.

Phaller, Lawrence J., OPERATIONAL INFLUENCES ON MAINTAINABILITY. 1978 Annual Reliability and Maintainability Symposium, 1978.

Plouff, William E., AVIONIC RELIABILITY EXPERIENCE. AR-104 AND 781B. Proceedings 1977 Annual Reliability and Maintainability Symposium, 1977.

Porter, D. C., RELIABILITY CHARACTERIZATION AND PREDICTION OF INTEGRATED CIRCUITS. RADC-TR-70-232 (AD-878235), Boeing Aerospace Company for Rome Air Development Center, Griffiss AFB, New York, November 1970.

Reed, Lawrence E., et al, DEVELOPMENT OF A PROTOTYPE HUMAN RESOURCES HANDBOOK FOR SYSTEMS ENGINEERING: AN APPLICATION TO FIRE CONTROL SYSTEMS. AFHRL-TR-75-64, Advanced Systems Division, Air Force Human Resources Laboratory, Wright-Patterson AFB, Ohio, December 1975.

Reich, Bernard, WORK GROUP 2: OPERATIONAL RELIABILITY MANAGEMENT. Final Report of the Joint Logistics Commanders Electronic Systems Reliability Workshop, October 1975.

Richmond, James A., Major, USAF, AN ANALYSIS OF THE USE OF ELAPSED TIME INDICATORS IN F/FB-111A AVIONICS SUBSYSTEMS. GSM/SM/75D-20, Air Force Institute of Technology (AFIT-EN), Wright-Patterson AFB, Ohio, December 1975.

Sauve, S. P., STUDY OF FAILED PARTS ON NAVAL AVIONICS SYSTEMS. D180-19529-1, Final Technical Report, Boeing Aerospace Company, Kent, Washington, May 1976.

Schaeffer, R. E., et al, RELIABILITY ACQUISITION COST STUDY (II). RADC-TR-75-270 (AD-A020457), Hughes Aircraft Corporation for the Rome Air Development Center, November 1975.

Shelley, Bennie F., and Frank A. Stovall, FIELD-LABORATORY RELIABILITY RELATIONSHIP. Proceedings: 1976 Annual Reliability and Maintainability Symposium, 1976.

Shumaker, M. J., and J. C. DuBuisson, TRADEOFF OF THERMAL CYCLING VS. LIFE CYCLE COSTS. Proceedings: 1976 Annual Reliability and Maintainability Symposium, 1976.

Shurman, Maurice B., TIME-DEPENDENT FAILURE RATES FOR JET AIRCRAFT. Proceedings: 1978 Annual Reliability and Maintainability Symposium, 1978.

Smith, P. W., AVIONIC COOLING AND POWER SUPPLIERS FOR ADVANCED AIRCRAFT. AGARD Avionics Specialists Meeting, 1976, Hague, Netherlands, (Advanced Group Aerospace Research and Development), June 10-11, 1976.

Sohn, Hunter M., PROVEN TECHNIQUES FOR MAINTAINABILITY PREDICTIONS AND DEMONSTRATIONS. Lockheed, June 1971.

Spence, D. B., FINAL REPORT: ELECTRONIC INDUSTRIES ASSOCIATION RELATIONSHIP BETWEEN ESTIMATED, DEMONSTRATED, AND ACTUAL FIELD RELIABILITY. G-41 Reliability Committee, October 1966.

Stander, C. R., COMPUTER MODEL TO DERIVE DIRECT MAINTENANCE COST (DMC) PARAMETRICALLY. D6-22972TN-12, Boeing Commercial Airplane Company, Seattle, Washington, January 1978.

Swett, Ben H., Lieutenant-Colonel, USAF, THE AVIONICS RELIABILITY STUDY. Final Report of the Joint Logistics Commanders Electronic Systems Reliability Workshop, October 1975.

Tetmeyer, Donald C., Major, USAF, and William D. Moody, SMSgt, USAF, SIMULATING MAINTENANCE MANNING FOR NEW WEAPON SYSTEMS: BUILDING AND OPERATING A SIMULATION MODEL (VOLUME II). AFHRL-TR-74-97(II), Air Force Systems Command, Brooks AFB, Texas, December 1974.

Tetmeyer, Donald C., Major, USAF, et al, SIMULATING MAINTENANCE MANNING FOR NEW WEAPON SYSTEMS: VOLUME VI, MAINTENANCE MANPOWER MATRIX PROGRAM. AFHRL-TR-74-97(VI), Air Force Systems Command, Brooks AFB, Texas, May 1976.

Walters, Gene F., and James A. McCall, THE DEVELOPMENT OF METRICS FOR SOFTWARE R&M. Proceedings: Annual Reliability and Maintainability Symposium, 1978.

Walters, M., and B. Chapman, CDEP PRODUCTION SYSTEM. BCS-G1109, Boeing Computer Services, Seattle, Washington, February 1979.

APPENDIX A

STUDY PARAMETER IDENTIFICATION

AND

INPUT DATA TABLES

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The input parameters and the actual input data has been tabulated into Tables A-1 through A-168 of this appendix.

The seven types of aircraft and the equipments selected against each type aircraft was previously discussed in paragraph 4.3.4. Refer to tables 4.3.4-1 and 4.3.4-2 for identification of the seven different types of aircraft and the study equipments listed by work unit code and nomenclature within each aircraft type. Paragraph 4.5.3 discusses the seven aircraft selected and the 29 individual Air Force Bases subdivided into the four aircraft/base groupings utilized for the study. Therefore, the input data parameter identification and actual input data tables contained in this appendix have been seperated into these four aircraft/base groupings.

It's appropriate to note that because of study budget constraints it was not possible to visit each operational base, but we did visit at least one operational unit for each of the study aircraft. So, for those parameters that data was not available for each individual base through existing data systems, it was necessary to use the information from the one base visited. These data sampling cases will be found mostly in the operational, maintenance, and aircraft general parameter categories. Equipment parameters (including the maintenance resource demand parameters) and environmental parameters, we were able to obtain the input data from existing data systems for each base.

The Parameter Identification and Input Data Tables contained in Appendix A are as follows:

TITLE	TABLE
Operational Parameter Identification	A-1
Seven Aircraft Composite Operational Parameter Input Data	A-2
B-52G Operational Parameter Input Data	A-3
KC-135A Operational Parameter Input Data	A-4
T-38A Operational Parameter Input Data	A-5
Environmental Parameter Identification	A-6
Seven Aircraft Composite Environmental Parameter Input Data	A-7
B-52G Environmental Parameter Input Data	A-8
KC-135A Environmental Parameter Input Data	A-9
T-38A Environmental Parameter Input Data	A-10
Maintenance Parameter Identification	A-11
Seven Aircraft Composite Maintenance Parameter Input Data	A-12
B-52G Maintenance Parameter Input Data	A-13
KC-135A Maintenance Parameter Input Data	A-14
T-38A Maintenance Parameter Input Data	A-15
Aircraft General Parameter Identification	A-16
Seven Aircraft Composite Aircraft General Parameter Input Data	A-17

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TITLE	TABLE
B-52G Aircraft General Parameter Input Data	A-18
KC-135A Aircraft General Parameter Input Data	A-19
T-38A Aircraft General Parameter Input Data	A-20
Maintenance Resource Demand (MRD) Parameter Identification Phase I and Phase II Subsystem Equipments	A-21
Equipment Parameter Identification - Phase I (Avionics)	A-22
Equipment Parameter Identification - Phase I (Engines)	A-23
Equipment Parameter Identification - Phase II (Other Subsystems)	A-24
Seven Aircraft Composite - MRD Parameter Input Data (Forward Fuselage - Radome) - 11AX1	A-25
Seven Aircraft Composite - Equipment Parameter Input Data (Forward Fuselage - Radome) - 11AX1	A-26
Seven Aircraft Composite - MRD Parameter Input Data (Forward Fuselage - Windshield) - 11AX2	A-27
Seven Aircraft Composite - Equipment Parameter Input Data (Forward Fuselage - Windshield) - 11AX2	A-28
Seven Aircraft Composite - MRD Parameter Input Data (Wings)	A-29
Seven Aircraft Composite - Equipment Parameter Input Data (Wings)	A-30
Seven Aircraft Composite - MRD Parameter Input Data (Cockpit - Seats)	A-31
Seven Aircraft Composite - Equipment Parameter Input Data (Cockpit - Seats)	A-32
Seven Aircraft Composite - MRD Parameter Input Data (Landing Gear - Wheel & Tire) - 13XX1	A-33
Seven Aircraft Composite - Equipment Parameter Input Data (Landing Gear - Wheel & Tire) - 13XX1	A-34
Seven Aircraft Composite - MRD Para Input Data (Brakes) - 13XX2	A-35
Seven Aircraft Composite - Equipment Parameter Input Data (Brakes) - 13XX2	A-36
Seven Aircraft Composite - MRD Parameter Input Data (Flight Controls - Horizontal Stabilizer) - 14XX1	A-37
Seven Aircraft Composite - Equipment Parameter Input Data (Flight Controls - Horizontal Stabilizer) - 14XX1	A-38
Seven Aircraft Composite - MRD Parameter Input Data (Flight Controls - Rudder) - 14XX2	A-39
Seven Aircraft Composite - Equipment Parameter Input Data (Flight Controls - Rudder) - 14XX2	A-40
Seven Aircraft Composite - MRD Parameter Input Data (Flight Controls - Flaps) - 14XX3	A-41
Seven Aircraft Composite - Equipment Parameter Input Data (Flight Controls - Flaps) - 14XX3	A-42
Seven Aircraft Composite - MRD Parameter Input Data (Propulsion - Engine) - 23000	A-43
Seven Aircraft Composite - Equipment Parameter Input Data (Propulsion - Engine) - 23000	A-44

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TITLE	TABLE
Seven Aircraft Composite - MRD Parameter Input Data (Environmental Control - Water Separators) - 41XX1	A-45
Seven Aircraft Composite - Equipment Parameter Input Data (Environmental Control - Water Separators) - 41XX1	A-46
Seven Aircraft Composite - MRD Parameter Input Data (Power Generating - Generators) - 42XX1	A-47
Seven Aircraft Composite - Equipment Parameter Input Data (Power Generating - Generators) - 42XX1	A-48
Seven Aircraft Composite - MRD Parameter Input Data (Exterior Lighting - Anti Collision Lights) - 44XX1	A-49
Seven Aircraft Composite - Equipment Parameter Input Data (Exterior Lighting - Anti Collision Lights) - 44XX1	A-50
Seven Aircraft Composite - MRD Parameter Input Data (Exterior Lighting - Landing/Taxi Lights) - 44XX2	A-51
Seven Aircraft Composite - Equipment Parameter Input Data (Exterior Lighting - Landing/Taxi Lights) - 44XX2	A-52
Seven Aircraft Composite - MRD Parameter Input Data (Hydraulic Power Control - Pumps) - 45XX1	A-53
Seven Aircraft Composite - Equipment Parameter Input Data (Hydraulic Power Control - Pumps) - 45XX1	A-54
Seven Aircraft Composite - MRD Parameter Input Data (Internal Fuel - Tanks) - 46XX1	A-55
Seven Aircraft Composite - Equipment Parameter Input Data (Internal Fuel - Tanks) - 46XX1	A-56
Seven Aircraft Composite - MRD Parameter Input Data (Liquid Oxygen - Regulators) - 47XX1	A-57
Seven Aircraft Composite - Equipment Parameter Input Data (Liquid Oxygen - Regulators) - 47XX1	A-58
Seven Aircraft Composite - MRD Parameter Input Data (Liquid Oxygen - Converters) - 47XX2	A-59
Seven Aircraft Composite - Equipment Parameter Input Data (Liquid Oxygen - Converters) - 47XX2	A-60
Seven Aircraft Composite - MRD Parameter Input Data (Fire Detection - Sensors) - 49XX1	A-61
Seven Aircraft Composite - Equipment Parameter Input Data (Fire Detection - Sensors) - 49XX1	A-62
Seven Aircraft Composite - MRD Parameter Input Data (Instruments - Flight Indicators) - 51A00	A-63
Seven Aircraft Composite - Equipment Parameter Input Data (Instruments - Flight Indicators) - 51A00	A-64
Seven Aircraft Composite - MRD Parameter Input Data (Instruments - Air Data Indicators) - 51E00	A-65
Seven Aircraft Composite - Equipment Parameter Input Data (Instruments - Air Data Indicators) - 51E00	A-66

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TITLE	TABLE
Seven Aircraft Composite - MRD Parameter Input Data (Horizontal Situation/Indicator) - 51N00	A-67
Seven Aircraft Composite - Equipment Parameter Input Data (Horizontal Situation/Indicator) - 51N00	A-68
Seven Aircraft Composite - MRD Parameter Input Data (Auto Pilot) - 52A00	A-69
Seven Aircraft Composite - Equipment Parameter Input Data (Auto Pilot) - 52A00	A-70
Seven Aircraft Composite - MRD Parameter Input Data (UHF Communications) - 63A00	A-71
Seven Aircraft Composite - Equipment Parameter Input Data (UHF Communications) - 63A00	A-72
Seven Aircraft Composite - MRD Parameter Input Data (IFF - Transponder Set) - 65A00	A-73
Seven Aircraft Composite - Equipment Parameter Input Data (IFF - Transponder Set) - 65A00	A-74
Seven Aircraft Composite - MRD Parameter Input Data (Radio Navigation - Receivers) - 71C00	A-75
Seven Aircraft Composite - Equipment Parameter Input Data (Radio Navigation - Receivers) - 71C00	A-76
Seven Aircraft Composite - MRD Parameter Input Data (Radio Navigation - Tacan Sets) - 71D00	A-77
Seven Aircraft Composite - Equipment Parameter Input Data (Radio Navigation - Tacan Sets) - 71D00	A-78
Seven Aircraft Composite - MRD Parameter Input Data (Radio Navigation - Attitude Heading) - 71F00	A-79
Seven Aircraft Composite - Equipment Parameter Input Data (Radio Navigation - Attitude Heading) - 71F00	A-80
Seven Aircraft Composite - MRD Parameter Input Data (Radar Navigation - Radar Sets) - 74F00	A-81
Seven Aircraft Composite - Equipment Parameter Input Data (Radar Navigation - Radar Sets) - 74F00	A-82
B-52G - MRD Parameter Input Data (Forward Fuselage - Radome) - 11DCJ	A-83
B-52G - MRD Parameter Input Data (Forward Fueselage - Windshield) - 11DCG	A-84
B-52G - MRD Parameter Input Data (Wings) - Wings	A-85
B-52G - MRD Parameter Input Data (Seats) - 12AAA	A-86
B-52G - MRD Parameter Input Data (Tire and Wheel) - 13CGO	A-87
B-52G - MRD Parameter Input Data (Brakes) - 13EEP	A-88
B-52G - MRD Parameter Input Data (Horizontal Stabilizer) - H.Stab	A-89
B-52G - MRD Parameter Input Data (Rudder Assembly) - 14BGA	A-90

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TITLE	TABLE
B-52G - MRD Parameter Input Data - (Flap Assembly) - 14E00	A-91
B-52G - MRD Parameter Input Data - (Engine) - 23000	A-92
B-52G - MRD Parameter Input Data - (Water Separator) - 41ADA	A-93
B-52G - MRD Parameter Input Data - (Generator Assy) - 42BAA	A-94
B-52G - MRD Parameter Input Data - (Anti Collision Lights) - 44AAA	A-95
B-52G - MRD Parameter Input Data - (Landing/Taxi Lights) - 44A00	A-96
B-52G - MRD Parameter Input Data - (Hydraulic Pump) - 45C00	A-97
B-52G - MRD Parameter Input Data - (Fuel Tanks) - 46F00	A-98
B-52G - MRD Parameter Input Data - (Oxygen Regulator) - 47ACA	A-99
B-52G - MRD Parameter Input Data - (Lox Converter) - 47AAA	A-100
B-52G - MRD Parameter Input Data - (Engine Fire Detection) - 49BAD	A-101
B-52G - MRD Parameter Input Data - (Altimeter) - 51AAA	A-102
B-52G - MRD Parameter Input Data - (Air Data System) - 73CCA	A-103
B-52G - MRD Parameter Input Data - (HSI) - 71AFJ	A-104
B-52G - MRD Parameter Input Data - (Auto Pilot) - 52ABB	A-105
B-52G - MRD Parameter Input Data - (UHF Communication) - 63BAA	A-106
B-52G - MRD Parameter Input Data - (IFF) - 65BAA	A-107
B-52G - MRD Parameter Input Data - (Receiver) - 71Abc	A-108
B-52G - MRD Parameter Input Data - (Radio Navigation) - 71ADA	A-109
B-52G - MRD Parameter Input Data - (Gyroscope) - 51AND	A-110
B-52G - MRD Parameter Input Data - (Radar) - 73CFK	A-111
KC-135A - MRD Parameter Input Data - (Forward Fuselage - Radome) - 1111J	A-112
KC-135A - MRD Parameter Input Data - (Forward Fuselage - Windshield) - 1114H	A-113
KC-135A - MRD Parameter Input Data - (Wings) - Wings	A-114
KC-135A - MRD Parameter Input Data - (Seats) - 12AA0	A-115
KC-135A - MRD Parameter Input Data - (Tire and Wheel) - 13A00	A-116
KC-135A - MRD Parameter Input Data - (Brakes) - 13CA0	A-117
KC-135A - MRD Parameter Input Data - (Horizontal Stabilizer) - H.Stab	A-118
KC-135A - MRD Parameter Input Data - (Rudder Assembly) - 14BF0	A-119
KC-135A - MRD Parameter Input Data - (Flap Assembly) - 14E00	A-120
KC-135A - MRD Parameter Input Data - (Engine) - 23000	A-121
KC-135A - MRD Parameter Input Data - (Water Separator) - 41214	A-122
KC-135A - MRD Parameter Input Data - (Generator Assembly) - 4215L	A-123
KC-135A - MRD Parameter Input Data - (Anti Collision Lights) - 44250	A-124
KC-135A - MRD Parameter Input Data - (Landing/Taxi Lights) - 44200	A-125

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TITLE	TABLE
KC-135A - MRD Parameter Input Data - (Hydraulic Pump) - 45110	A-126
KC-135A - MRD Parameter Input Data - (Fuel Tanks) - 46XXX	A-127
KC-135A - MRD Parameter Input Data - (Oxygen Regulator) - 47111	A-128
KC-135A - MRD Parameter Input Data - (Lox Converter) - 47131	A-129
KC-135A - MRD Parameter Input Data - (Engine Fire Detection) - 49421	A-130
KC-135A - MRD Parameter Input Data - (Altimeter) - 51132	A-131
KC-135A - MRD Parameter Input Data - (Air Data System) - 51BA0	A-132
KC-135A - MRD Parameter Input Data - (HSI) - 51AAD	A-133
KC-135A - MRD Parameter Input Data - (Auto Pilot) - 52111	A-134
KC-135A - MRD Parameter Input Data - (UHF Communication) - 63AF0	A-135
KC-135A - MRD Parameter Input Data - (IFF) - 65BAA	A-136
KC-135A - MRD Parameter Input Data - (Receiver) - 71BCF	A-137
KC-135A - MRD Parameter Input Data - (Radio Navigation) - 71CA0	A-138
KC-135A - MRD Parameter Input Data - (Gyroscope) - 51142	A-139
KC-135A - MRD Parameter Input Data - (Radar) - 72BDA	A-140
T-38A - MRD Parameter Input Data - (Forward Fuselage - Radome) - 11515	A-141
T-38A - MRD Parameter Input Data - (Forward Fuselage - Windshield) - 11100	A-142
T-38A - MRD Parameter Input Data - (Wings) - Wings	A-143
T-38A - MRD Parameter Input Data - (Seats) - 12100	A-144
T-38A - MRD Parameter Input Data - (Tire and Wheel) - 13800	A-145
T-38A - MRD Parameter Input Data - (Brakes) - 13611	A-146
T-38A - MRD Parameter Input Data - (Horizontal Stabilizer) - 14210	A-147
T-38A - MRD Parameter Input Data - (Rudder Assembly) - 14310	A-148
T-38A - MRD Parameter Input Data - (Flap Assembly) - 14510	A-149
T-38A - MRD Parameter Input Data - (Engine) - 23000	A-150
T-38A - MRD Parameter Input Data - (Water Separator) - 41133	A-151
T-38A - MRD Parameter Input Data - (Generator Assembly) - 42100	A-152
T-38A - MRD Parameter Input Data - (Anti Collision Lights) - 44110	A-153
T-38A - MRD Parameter Input Data - (Landing/Taxi Lights) - 44114	A-154
T-38A - MRD Parameter Input Data - (Hydraulic Pump) - 45120	A-155
T-38A - MRD Parameter Input Data - (Fuel Tanks) - 46120	A-156
T-38A - MRD Parameter Input Data - (Oxygen Regulator) - 47115	A-157
T-38A - MRD Parameter Input Data - (Lox Converter) - 47111	A-158

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TITLE	TABLE
T-38A - MRD Parameter Input Data - (Engine Fire Detection) - 49110	A-159
T-38A - MRD Parameter Input Data - (Altimeter) - 51116	A-160
T-38A - MRD Parameter Input Data - (Air Data System) - 5131A	A-161
T-38A - MRD Parameter Input Data - (HSI) - 51213	A-162
T-38A - MRD Parameter Input Data - (Auto Pilot) - 52117	A-163
T-38A - MRD Parameter Input Data - (UHF Communications) - 63AA0	A-164
T-38A - MRD Parameter Input Data - (IFF) - 65CA0	A-165
T-38A - MRD Parameter Input Data - (Receiver) - 71BA0	A-166
T-38A - MRD Parameter Input Data - (Radio Navigation) - 71CA0	A-167
T-38A - MRD Parameter Input Data - (Gyroscope) - 51218	A-168

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TABLE A-1 OPERATIONAL PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
I002	AVG MISSION MIX	SCALED	WEIGHTED NUMBER
I003	AVG TAKE-OFF SPEED	REAL	KNOTS
I004	MEDIAN TAKE-OFF DISTANCE	REAL	FEET
I005	PERCENT OF MAX TAKE-OFF WT	REAL	PERCENT
I006	AVG CLIMB RATE	REAL	FEET/MIN
I007	AVG CRUISE SPEED	REAL	KNOTS
I008	AVG CRUISE ALTITUDE	REAL	FEET/10
I009	AVG DESCENT RATE	REAL	FEET/10 PER MIN
I010	AVG LANDING SPEED	REAL	KNOTS
I011	MINIMUM LANDING DISTANCE	REAL	FEET
I012	AVG LANDING WT	REAL	LB'S/1000
I013	TOTAL FLYING HOURS PER ACFT	REAL	HOURS/ACFT
I014	TRAINING FLYING HOURS PER ACFT	REAL	HOURS/ACFT
I015	OPERATIONS FLYING HOURS PER ACFT	REAL	HOURS/ACFT

TABLE A-1 OPERATIONAL PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
I016	MISC FLYING HOURS PER ACFT	REAL	HOURS/ACFT
I017	TOTAL LANDINGS PER ACFT	REAL	LANDINGS/ACFT
I018	TRAINING LANDINGS PER ACFT	REAL	LANDINGS/ACFT
I019	OPERATIONS LANDINGS PER ACFT	REAL	LANDINGS/ACFT
I020	MISC LANDINGS PER ACFT	REAL	LANDINGS/ACFT
I021	TOTAL SORTIES PER ACFT	REAL	SORTIES/ACFT
I022	TRAINING SORTIES PER ACFT	REAL	SORTIES/ACFT
I023	OPERATIONS SORTIES PER ACFT	REAL	SORTIES/ACFT
I024	MISC SORTIES PER ACFT	REAL	SORTIES/ACFT
I025	AVG POSSESSED ACFT	REAL	ACFT/MO
I026	MAXIMUM ACFT SPEED	REAL	MACH
I027	MAXIMUM ACFT CEILING R	REAL	FEET/10
I028	ACFT CREW SIZE	REAL	NUMBER/ACFT
I029	AVG SORTIE LENGTH	REAL	HOURS/SORTIE

TABLE A-1 OPERATIONAL PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
I030	ACCIDENTS (MAJOR/MINOR) PER ACFT	REAL	NO/ACFT
I031	INCIDENTS PER ACFT	REAL	NO/ACFT

TABLE A-2 SEVEN AIRCRAFT COMPOSITE OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G Composite	KC-135A Composite	T-38A Composite			
I002	1.80	2.05	2.13	2.10	1.10	1.20	1.00			
I003	150.00	165.00	130.00	130.00	156.00	150.00	155.00			
I004	3500.00	3800.00	3800.00	1700.00	8750.00	9500.00	2700.00			
I005	82.02	79.00	75.83	82.00	92.00	82.00	100.00			
I006	4000.00	2400.00	1400.00	4000.00	1500.00	1750.00	4000.00			
I007	350.00	440.00	230.00	240.00	450.00	410.00	323.75			
I008	2000.00	1250.00	1950.00	408.75	3300.00	2500.00	1175.00			
I009	2250.00	2500.00	700.00	3500.00	4000.00	4000.00	3000.00			
I010	135.00	135.00	110.00	120.00	135.00	125.00	142.50			
I011	3750.00	7500.00	2750.00	1600.00	2600.00	3500.00	3500.00			
I012	31.50	60.00	165.00	30.00	240.00	127.50	9.50			
I013	223.10	284.70	1329.80	233.10	420.82	331.13	428.20			
I014	66.90	65.50	199.50	23.30	328.80	216.30	483.30			
I015	133.90	216.40	1117.00	209.80	36.50	25.40	0.00			
I016	22.30	2.80	13.30	0.00	0.00	12.70	0.00			
I017	281.80	166.40	781.90	122.60	149.95	224.70	1083.34			
I018	84.60	38.30	117.30	12.30	118.30	135.60	1305.80			
I019	169.00	126.40	656.80	110.30	13.20	15.90	0.00			
I020	28.20	1.70	7.80	0.00	0.00	8.00	0.00			
I021	164.90	76.80	366.70	122.60	53.80	65.64	346.88			
I022	49.50	17.70	55.00	12.30	39.80	43.50	385.60			
I023	58.90	58.30	308.00	110.30	4.40	5.10	0.00			
I024	16.50	0.80	3.70	0.00	0.00	2.60	0.00			

TABLE A-2 SEVEN AIRCRAFT COMPOSITE OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G Composite	KC-135A Composite	T-38A Composite			
I025	47.00	32.00	32.00	16.00	15.00	18.70	83.60			
I026	2.30	2.50	0.83	.41	0.83	0.90	1.30			
I027	7000.00	6000.00	3000.00	4420.00	3500.00	3000.00	5500.00			
I028	2.00	2.00	7.00	1.00	9.00	6.00	2.00			
I029	1.26	3.75	3.76	1.90	8.26	4.95	1.38			
I030	.10	.13	0.00	0.23	0.23	0.05	0.03			
I031	1.97	.66	1.00	0.25	0.46	0.11	0.38			

TABLE A-3 B-52G OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
I002	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
I003	155.97	155.98	155.99	156.00	156.01	156.02	156.03	156.04	156.05	156.06
I004	8749.97	8749.98	8749.99	8750.00	8750.01	8750.07	8750.03	8750.04	8750.05	8750.06
I005	91.97	91.98	91.99	92.00	92.01	92.02	92.03	92.04	92.05	92.06
I006	1499.97	1499.98	1499.99	1500.00	1500.01	1500.02	1500.03	1500.04	1500.05	1500.06
I007	449.97	449.98	449.99	450.00	450.01	450.02	450.03	450.04	450.05	450.06
I008	3299.97	3299.98	3299.99	3300.00	3300.01	3300.02	3300.03	3300.04	3300.05	3300.06
I009	3999.97	3999.98	3999.99	4000.00	4000.01	4000.02	4000.03	4000.04	4000.05	4000.06
I010	134.97	134.98	134.99	135.00	135.01	135.02	135.03	135.04	135.05	135.06
I011	2599.97	2599.98	2599.99	2600.00	2600.01	2600.02	2600.03	2600.04	2600.05	2600.06
I012	239.97	239.98	239.99	240.00	240.01	240.02	240.03	240.04	240.05	240.06
I013	394.10	358.10	738.60	365.30	363.70	388.10	404.00	396.00	402.10	398.20
I014	354.70	322.30	738.60	328.80	327.30	349.30	363.60	356.40	361.90	358.40
I015	39.40	35.80	0.00	36.50	36.40	38.80	40.40	39.60	40.20	39.80
I016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I017	133.30	120.80	398.60	131.50	122.70	102.10	140.40	118.90	109.80	121.40
I018	120.00	108.70	398.60	118.30	110.40	91.90	126.40	107.00	98.90	109.20
I019	13.30	12.10	0.00	13.20	12.30	10.20	14.00	11.90	11.00	12.20
I020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I021	51.30	47.30	93.30	44.20	48.80	48.40	51.30	53.40	50.60	49.40
I022	46.20	42.60	93.30	39.80	43.90	43.60	46.20	48.10	45.50	44.40
I023	5.10	4.70	0.00	4.40	4.90	4.80	5.10	5.30	5.10	5.00
I024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-3 B-52G OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
1025	29.00	15.00	14.00	15.00	15.00	14.00	14.00	14.00	14.00	14.00
1026	.83	.83	.83	.83	.83	.83	.83	.83	.83	.83
1027	3499.97	3499.98	3499.99	3500.00	3500.01	3500.02	3500.03	3500.04	3500.05	3500.06
1028	8.95	8.96	8.97	9.00	9.01	9.02	9.03	9.04	8.99	8.98
1029	7.69	7.58	7.92	8.26	7.45	8.03	7.88	7.41	7.94	8.06
1030	.10	.07	.21	.33	.07	0.00	.07	0.00	1.40	.07
1031	.55	.53	.64	.33	.33	.29	.43	.50	.57	.43

TABLE A-4 KC-135A OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.O. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
I002	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
I003	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
I004	9500.00	9500.00	9500.00	9500.00	9500.00	9500.00	9500.00	9500.00	9500.00	9500.00
I005	82.00	82.00	82.00	82.00	82.00	82.00	82.00	82.00	82.00	82.00
I006	1750.00	1750.00	1750.00	1750.00	1750.00	1750.00	1750.00	1750.00	1750.00	1750.00
I007	410.00	410.00	410.00	410.00	410.00	410.00	410.00	410.00	410.00	410.00
I008	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00
I009	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00
I010	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00
I011	3500.00	3500.00	3500.00	3500.00	3500.00	3500.00	3500.00	3500.00	3500.00	3500.00
I012	127.50	127.50	127.50	127.50	127.50	127.50	127.50	127.50	127.50	127.50
I013	326.33	329.50	619.70	254.50	295.20	266.70	311.60	312.20	305.20	291.20
I014	277.40	280.10	619.70	216.30	250.90	226.70	264.90	265.40	259.40	247.50
I015	32.60	33.00	0.00	25.40	29.50	26.70	31.20	31.20	30.50	29.10
I016	16.30	16.50	0.00	12.70	14.80	13.30	15.60	15.60	15.30	14.60
I017	178.80	192.10	580.70	159.50	208.50	157.50	204.70	182.70	186.60	196.60
I018	152.00	163.30	580.70	135.60	177.20	133.90	174.00	155.30	158.60	167.10
I019	17.90	19.20	0.00	15.90	20.80	15.80	20.50	18.30	18.70	19.70
I020	8.90	9.60	0.00	8.00	10.40	7.90	10.20	9.10	9.30	9.80
I021	67.40	66.30	103.50	51.20	60.60	55.50	66.80	61.40	61.50	62.20
I022	57.30	56.30	103.50	43.50	51.50	47.20	58.80	52.20	52.30	52.90
I023	6.70	6.60	0.00	5.10	6.10	5.60	6.70	6.10	6.20	6.20
I024	3.40	3.30	0.00	2.60	3.00	2.70	3.30	3.10	3.10	3.10

TABLE A-4 KC-135A OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
I025	24.00	12.00	31.00	27.00	13.00	27.00	13.00	13.00	13.00	14.00
I026	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
I027	3000.00	3000.00	3000.00	3000.00	3000.00	3000.00	3000.00	3000.00	3000.00	3000.00
I028	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
I029	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
I030	.04	.08	.03	0.00	0.00	0.00	.23	0.00	0.08	.00
I031	.13	0.00	.13	.04	.15	.07	.23	.08	.31	0.00

TABLE A-5 T-38A OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
I002	1.00	1.00	1.00	1.00	1.00					
I003	155.00	155.00	155.00	155.00	155.00					
I004	2700.00	2700.00	2700.00	2700.00	2700.00					
I005	100.00	100.00	100.00	100.00	100.00					
I006	4000.00	4000.00	4000.00	4000.00	4000.00					
I007	323.75	323.75	323.75	323.75	323.75					
I008	1175.00	1175.00	1175.00	1175.00	1175.00					
I009	3000.00	3000.00	3000.00	3000.00	3000.00					
I010	142.50	142.50	142.50	142.50	142.50					
I011	3500.00	3500.00	3500.00	3500.00	3500.00					
I012	9.50	9.50	9.50	9.50	9.50					
I013	392.70	422.50	483.30	398.30	444.20					
I014	392.70	422.50	483.30	398.30	444.20					
I015	0.00	0.00	0.00	0.00	0.00					
I016	0.00	0.00	0.00	0.00	0.00					
I017	1017.30	1107.80	1305.80	856.10	1129.70					
I018	1017.30	1107.80	1305.80	856.10	1129.70					
I019	0.00	0.00	0.00	0.00	0.00					
I020	0.00	0.00	0.00	0.00	0.00					
I021	312.30	345.00	385.60	325.70	365.80					
I022	312.30	345.00	385.60	325.70	365.80					
I023	0.00	0.00	0.00	0.00	0.00					
I024	0.00	0.00	0.00	0.00	0.00					

TABLE A-5 T-38A OPERATIONAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
I025	83.00	95.00	100.00	52.00	88.00					
I026	1.30	1.30	1.30	1.30	1.30					
I027	5500.00	5500.00	5500.00	5500.00	5500.00					
I028	2.00	2.00	2.00	2.00	2.00					
I029	1.38	1.38	1.38	1.38	1.38					
I030	.05	.04	.02	.02	0.00					
I031	.46	.41	.47	.21	.35					

TABLE A-6 ENVIRONMENTAL PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IE02	BASE ALTITUDE	REAL	FEET
IE03	NO OF SNOW DAYS	REAL	DAYS
IE04	TOTAL SNOW FALL	REAL	INCHES
IE05	MEAN SNOW DEPTH	REAL	INCHES
IE06	NO OF RAIN DAYS	REAL	DAYS
IE07	TOTAL RAIN FALL	REAL	INCHES
IE08	NO OF HAIL DAYS	REAL	DAYS
IE09	RELATIVE HUMIDITY (AVG)	REAL	PERCENT
IE10	NO OF THUNDER DAYS	REAL	DAYS
IE11	NO OF SLEET DAYS	REAL	DAYS
IE12	NO OF FOG DAYS	REAL	DAYS
IE13	PREDOMINATE WIND DIRECTION	SCALED	DEGREES
IE14	MAXIMUM CROSSWIND'S LESS THAN 10 MPH	REAL	DAYS
IE15	MAXIMUM CROSSWIND'S 10-19 MPH	REAL	DAYS

TABLE A-6 ENVIRONMENTAL PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IE16	MAXIMUM CROSSWIND'S 20-29 MPH	REAL	DAYS
IE17	MAXIMUM CROSSWIND'S 30-39 MPH	REAL	DAYS
IE18	MAXIMUM CROSSWIND'S 40-49 MPH	REAL	DAYS
IE19	MAXIMUM CROSSWIND'S GREATER THAN 50 MPH	REAL	DAYS
IE20	MEAN TEMPERATURE	REAL	DEGREES "F"
IE21	MEAN MINIMUM TEMPERATURE	REAL	DEGREES "F"
IE22	MEAN MAXIMUM TEMPERATURE	REAL	DEGREES "F"

TABLE A-7 AIRCRAFT COMPOSITE ENVIRONMENTAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G Composite	KC-135A Composite	T-38A Composite			
IE02	1111.00	245.00	62.00	35.00	549.10	549.10	1500.40			
IE03	0.00	89.00	0.00	3.00	43.50	43.50	5.60			
IE04	0.00	59.90	0.00	0.70	40.86	40.86	4.40			
IE05	0.00	9.90	0.00	0.35	6.27	6.27	2.97			
IE06	50.00	145.00	69.00	121.00	128.70	128.70	108.20			
IE07	3.56	35.73	14.00	51.34	33.46	33.46	25.26			
IE08	0.00	0.00	1.00	1.00	0.50	0.50	2.80			
IE09	27.00	61.00	50.00	62.00	55.70	55.70	48.40			
IE10	19.00	25.00	7.00	51.00	34.70	34.70	48.00			
IE11	0.00	8.00	0.00	1.00	9.00	9.00	2.60			
IE12	6.00	96.00	82.00	179.00	140.70	140.70	89.60			
IE13	360.00	360.00	225.00	180.00	243.00	243.00	171.00			
IE14	59.00	24.00	21.00	13.00	34.70	34.70	9.80			
IE15	193.00	171.00	123.00	230.00	206.20	206.20	160.80			
IE16	84.00	136.00	146.00	105.00	93.70	93.70	140.80			
IE17	20.00	27.00	74.00	14.00	22.50	22.50	42.20			
IE18	4.00	7.00	0.00	2.00	3.40	3.40	8.80			
IE19	0.00	0.00	1.00	1.00	0.40	0.40	2.20			
IE20	72.00	45.00	61.00	65.00	55.32	55.32	63.30			
IE21	50.00	19.00	42.00	42.00	31.15	31.15	43.20			
IE22	96.00	72.00	86.00	87.00	79.25	79.25	89.40			

TABLE A-8 B-52G ENVIRONMENTAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IE02	177.00	251.00	188.00	2472.00	504.00	756.00	96.00	294.00	119.00	634.00
IE03	3.00	15.00	2.00	77.00	111.00	114.00	0.00	3.00	5.00	105.00
IE04	0.50	10.50	0.00	47.30	142.30	160.50	0.00	2.40	0.00	45.10
IE05	0.50	3.50	0.00	9.46	20.33	20.06	0.00	2.40	0.00	6.44
IE06	117.00	136.00	69.00	140.00	171.00	146.00	79.00	125.00	144.00	160.00
IE07	35.39	45.33	6.62	14.49	57.58	39.92	11.67	39.58	51.11	32.91
IE08	0.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	2.00
IE09	55.00	56.00	46.00	55.00	63.00	64.00	48.00	54.00	55.00	61.00
IE10	55.00	62.00	3.00	10.00	31.00	23.00	8.00	49.00	57.00	49.00
IE11	3.00	7.00	0.00	25.00	20.00	20.00	0.00	2.00	4.00	9.00
IE12	170.00	166.00	98.00	96.00	142.00	114.00	107.00	187.00	193.00	134.00
IE13	135.00	180.00	315.00	225.00	270.00	315.00	180.00	360.00	225.00	225.00
IE14	26.00	23.00	49.00	36.00	27.00	39.00	64.00	32.00	37.00	14.00
IE15	237.00	189.00	243.00	198.00	167.00	186.00	237.00	212.00	215.00	178.00
IE16	77.00	125.00	54.00	95.00	127.00	110.00	47.00	84.00	88.00	130.00
IE17	23.00	20.00	15.00	26.00	32.00	25.00	12.00	20.00	17.00	35.00
IE18	2.00	5.00	1.00	2.00	6.00	3.00	5.00	1.00	5.00	4.00
IE19	0.00	3.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
IE20	65.70	60.58	61.67	47.42	45.67	39.25	60.92	64.92	62.08	45.00
IE21	36.83	36.92	41.08	25.25	16.50	16.50	40.92	41.42	36.08	20.00
IE22	87.58	82.83	85.83	71.50	72.42	64.42	85.33	86.00	85.67	70.92

TABLE A-9 KC-135A ENVIRONMENTAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IE02	177.00	251.00	188.00	2472.00	504.00	756.00	96.00	294.00	119.00	634.00
IE03	3.00	15.00	2.00	77.00	111.00	114.00	0.00	3.00	5.00	105.00
IE04	0.50	10.50	0.00	47.30	142.30	150.50	0.00	2.40	0.00	45.10
IE05	0.50	3.50	0.00	9.46	20.33	20.06	0.00	2.40	0.00	6.44
IE06	117.00	136.00	69.00	140.00	171.00	146.00	79.00	125.00	144.00	160.00
IE07	35.39	45.33	6.62	14.49	57.58	39.92	11.67	39.58	51.11	32.91
IE08	0.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	2.00
IE09	55.00	56.00	46.00	55.00	63.00	64.00	48.00	54.00	55.00	61.00
IE10	55.00	62.00	3.00	10.00	31.00	23.00	8.00	49.00	57.00	49.00
IE11	3.00	7.00	0.00	25.00	20.00	20.00	0.00	2.00	4.00	9.00
IE12	170.00	166.00	98.00	96.00	142.00	114.00	107.00	187.00	193.00	134.00
IE13	135.00	180.00	315.00	225.00	270.00	315.00	180.00	360.00	225.00	225.00
IE14	26.00	23.00	49.00	36.00	27.00	39.00	64.00	32.00	37.00	14.00
IE15	237.00	189.00	243.00	198.00	167.00	186.00	237.00	212.00	215.00	178.00
IE16	77.00	125.00	54.00	95.00	127.00	110.00	47.00	84.00	88.00	130.00
IE17	23.00	20.00	15.00	26.00	32.00	25.00	12.00	20.00	17.00	35.00
IE18	2.00	5.00	1.00	2.00	6.00	3.00	5.00	1.00	5.00	4.00
IE19	0.00	3.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
IE20	65.70	60.58	61.67	47.42	45.67	39.25	60.92	64.92	62.08	45.00
IE21	36.83	36.92	41.08	25.25	16.50	16.50	40.92	14.42	36.08	20.00
IE22	87.58	82.83	85.83	71.50	72.42	64.42	85.33	86.00	85.67	70.92

TABLE A-10 T-38A ENVIRONMENTAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IE02	761.00	1081.00	3338.00	1015.00	1307.00					
IE03	0.00	0.00	11.00	4.00	13.00					
IE04	0.00	0.00	6.40	5.90	9.70					
IE05	0.00	0.00	3.20	5.90	4.85					
IE06	130.00	103.00	80.00	96.00	132.00					
IE07	31.52	21.97	16.12	20.93	35.78					
IE08	1.00	4.00	6.00	1.00	2.00					
IE09	53.00	50.00	40.00	47.00	52.00					
IE10	47.00	35.00	51.00	50.00	57.00					
IE11	2.00	0.00	3.00	5.00	3.00					
IE12	134.00	83.00	48.00	62.00	121.00					
IE13	180.00	135.00	180.00	180.00	180.00					
IE14	9.00	16.00	14.00	0.00	10.00					
IE15	222.00	189.00	128.00	131.00	134.00					
IE16	112.00	138.00	139.00	178.00	137.00					
IE17	21.00	19.00	61.00	46.00	64.00					
IE18	1.00	2.00	15.00	10.00	16.00					
IE19	0.00	1.00	8.00	0.00	2.00					
IE20	69.00	69.00	52.00	64.00	61.00					
IE21	46.00	46.00	49.00	38.00	37.00					
IE22	91.00	92.00	89.00	90.00	85.00					

TABLE A-11 MAINTENANCE PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IM02	AVG OR RATE (JAN-SEPT 1977)	REAL	PERCENT
IM03	AVG NORM RATE (JAN-SEPT 1977)	REAL	PERCENT
IM04	AVG NORS RATE (JAN-SEPT 1977)	REAL	PERCENT
IM05	TOTAL UNSCHEDULE MAINTENANCE MANHOURS EXPENDED PER ACFT	REAL	HOURS/ACFT
IM06	AVG TURN-AROUND TIME-MAINT (PER ACFT)	REAL	CLOCK HOURS
IM07	TOTAL GENERAL SUPPORT (01-09) MANHOURS PER ACFT	REAL	HOURS/ACFT/10
IM08	TOTAL GENERAL SUPPORT - 01 MANHOURS PER ACFT GROUND HANDLING AND SERVICING	REAL	HOURS/ACFT/10
IM09	TOTAL GENERAL SUPPORT - 02 MANHOURS PER ACFT AIRCRAFT CLEANING	REAL	HOURS/ACFT/10
IM10	TOTAL GENERAL SUPPORT - 03 MANHOURS PER ACFT LOOK PHASE OF SCHEDULED INSPECTIONS	REAL	HOURS/ACFT/10
IM11	TOTAL GENERAL SUPPORT - 04 MANHOURS PER ACFT SPECIAL INSPECTIONS	REAL	HOURS/ACFT/10
IM12	TOTAL GENERAL SUPPORT - 05 MANHOURS PER ACFT PRESERVATION AND STORAGE	REAL	HOURS/ACFT/10
IM13	TOTAL GENERAL SUPPORT - 06 MANHOURS PER ACFT ARMING AND DISARMING	REAL	HOURS/ACFT/10
IM14	TOTAL GENERAL SUPPORT - 07 MANHOURS PER ACFT PREPARATION AND MAINTENANCE OF RECORDS	REAL	HOURS/ACFT/10
IM15	TOTAL GENERAL SUPPORT - 09 MANHOURS PER ACFT IN-SHOP GENERAL SUPPORT	REAL	HOURS/ACFT/10

TABLE A-12 SEVEN AIRCRAFT COMPOSITE MAINTENANCE PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G Composite	KC-135A Composite	T-38A Composite			
IM02	30.60	47.60	62.80	61.90	42.38	6.68	34.62			
IM03	47.20	33.00	33.60	23.60	49.37	32.97	24.56			
IM04	22.20	19.40	3.60	14.50	8.25	5.35	6.20			
IM05	517.90	1054.27	820.71	81.04	257.55	5812.18	160.22			
IM06	1.25	5.00	2.00	1.80	8.00	4.00	3.00			
IM07	509.13	621.57	1501.72	208.07	1716.42	898.48	192.00			
IM08	242.44	325.14	799.32	99.49	944.88	334.06	77.35			
IM09	36.17	17.09	91.29	2.77	28.46	26.33	4.54			
IM10	125.46	86.07	441.33	37.66	335.46	291.92	78.49			
IM11	32.48	75.52	63.98	42.41	125.32	65.69	7.46			
IM12	0.03	2.00	0.01	0.00	0.00	0.11	0.17			
IM13	26.60	12.45	.26	19.26	8.83	0.26	0.67			
IM14	35.56	83.90	35.53	4.67	56.14	32.88	13.56			
IM15	10.40	19.40	70.06	1.81	216.83	217.36	9.66			

TABLE A-13 B-52G MAINTENANCE PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IM02	54.70	43.20	19.90	46.70	36.60	39.10	42.40	50.90	50.30	40.00
IM03	40.00	44.50	67.00	44.60	58.70	54.00	46.80	39.10	44.70	54.30
IM04	5.30	12.30	13.10	8.70	4.70	6.90	10.80	10.00	5.00	5.70
IM05	130.35	124.85	183.14	116.06	121.33	140.35	126.24	122.37	117.46	1393.36
IM06	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
IM07	2176.94	1759.59	1675.52	1519.04	1874.14	1523.27	1791.29	2105.45	1212.65	1526.30
IM08	1198.40	968.65	922.42	836.22	1031.71	838.56	986.10	1159.04	667.56	840.22
IM09	36.10	29.18	27.78	25.19	31.07	25.26	29.70	34.91	20.11	25.30
IM10	426.09	344.40	327.97	297.32	366.83	298.15	350.61	412.10	232.35	298.74
IM11	158.95	128.48	122.35	110.91	136.84	111.22	130.79	153.73	88.54	111.44
IM12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IM13	11.19	9.05	8.62	7.81	9.64	7.83	9.21	10.83	6.24	7.84
IM14	71.20	57.55	54.81	49.68	61.30	49.82	58.59	68.86	39.66	49.92
IM15	275.01	222.28	211.68	191.90	236.76	192.43	226.29	265.98	153.19	192.82

TABLE A-14 KC-135A MAINTENANCE PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB.	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IM02	70.30	66.10	39.70	70.70	43.50	64.80	65.20	68.70	60.60	67.20
IM03	18.60	26.00	57.20	25.80	52.80	30.50	29.10	25.60	35.00	29.10
IM04	11.10	7.90	3.10	3.50	3.70	4.70	5.70	5.70	4.40	3.70
IM05	6610.50	5769.80	7426.90	4470.60	6708.80	5140.20	6319.40	5017.30	4860.00	5798.30
IM06	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
IM07	1166.29	795.98	1081.44	598.69	965.35	862.39	896.68	1165.45	613.50	839.05
IM08	433.64	295.93	402.09	222.60	358.93	320.64	333.39	433.33	228.11	311.97
IM09	34.19	23.23	31.70	17.55	28.30	25.28	26.29	34.17	17.98	24.60
IM10	378.93	258.60	351.36	194.52	313.64	280.19	291.33	378.66	199.33	272.61
IM11	85.27	58.19	79.07	43.77	70.58	63.05	65.56	85.21	44.86	61.35
IM12	.16	.11	.15	.08	.13	.12	.12	.16	.08	.11
IM13	.34	.23	.32	.18	.28	.25	.26	.34	.18	.25
IM14	42.68	29.12	39.57	21.91	35.32	31.56	32.81	42.64	22.45	30.70
IM15	191.08	130.40	177.18	98.09	158.16	141.29	146.91	190.94	100.51	839.05

TABLE A-15. T-38A MAINTENANCE PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IM02	65.70	73.80	64.80	69.40	72.50					
IM03	25.30	18.10	27.00	27.60	24.80					
IM04	9.00	8.10	8.20	3.00	2.70					
IM05	226.17	153.91	163.71	113.61	143.71					
IM06	3.00	3.00	3.00	3.00	3.00					
IM07	271.22	184.56	196.32	136.23	171.68					
IM08	109.21	74.31	79.50	54.85	69.13					
IM09	6.42	4.37	4.65	3.22	4.06					
IM10	110.87	75.45	80.26	55.69	70.19					
IM11	10.54	7.17	7.63	5.29	6.67					
IM12	.23	.16	.17	.12	.15					
IM13	.95	.64	.68	.48	.60					
IM14	19.29	13.13	13.96	9.68	12.21					
IM15	13.71	9.33	9.92	6.68	8.68					

TABLE A-16 AIRCRAFT GENERAL PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IG02	YEARS SINCE AIRCRAFT WAS PRODUCED	REAL	YEARS
IG03	AIRCRAFT EMPTY WT	REAL	LBS/100
IG04	MAX GROSS WT - TAKE-OFF	REAL	LBS/100
IG05	AIRCRAFT WING AREA	REAL	SQ/FT
IG06	AIRCRAFT ASPECT RATIO	REAL	PERCENT
IG07	TOTAL FUEL CAPACITY	REAL	GALLONS
IG08	AVG AIRCRAFT WING LOAD	REAL	LBS/SQ FT
IG09	YEARS SINCE ENGINE PRODUCTION	REAL	YEARS
IG10	NO OF INSTALLED ENGINES PER ACFT	REAL	NUMBER
IG11	ENGINE WT PER ACFT (ALL ENGINES)	REAL	LBS/10
IG12	TOTAL THRUST PER ACFT	REAL	LBS/10
IG13	DESIGNATED CLIMB RATE	REAL	FEET/MIN/10
IG14	NO OF GENERATORS PER ACFT	REAL	NO/ACFT
IG15	TOTAL MAINT MANHOURS PER FLIGHT HOUR	REAL	MANHOURS PER FLT HR

TABLE A-16 AIRCRAFT GENERAL PARAMETER IDENTIFICATION

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IG16	TOTAL FAILURES PER FLIGHT HOUR	REAL	NO/ACFT
IG17	YEARS SINCE ACFT FIRST FLIGHT	REAL	YEARS

TABLE A-17 SEVEN AIRCRAFT COMPOSITE AIRCRAFT GENERAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G Composite	KC-135A Composite	T-38A Composite			
IG02	6.00	9.00	14.00	5.00	19.00	21.00	18.00			
IG03	400.00	470.58	1363.00	198.56	1684.49	971.91	77.70			
IG04	500.00	1143.00	3166.00	467.86	4880.00	2970.00	117.00			
IG05	608.00	655.50	3244.00	506.00	4000.00	2313.40	170.00			
IG06	3.00	1.57	7.90	6.54	8.55	7.06	3.75			
IG07	3500.00	928.50	2308.00	343.80	4657.50	3130.00	60.00			
IG08	85.70	201.20	98.10	92.50	122.00	9999.99	67.90			
IG09	5.00	17.00	18.00	4.00	25.00	25.00	9999.99			
IG10	2.00	2.00	4.00	2.00	8.00	4.00	2.00			
IG11	604.20	824.20	1860.00	285.40	3096.00	1728.00	116.80			
IG12	4800.00	4070.00	8400.00	1813.00	8960.00	5500.00	770.00			
IG13	6725.00	2341.80	727.00	534.00	545.00	590.00	3360.00			
IG14	2.00	2.00	4.00	4.00	4.00	3.00	2.00			
IG15	46.02	60.70	19.65	16.28	83.41	46.20	8.30			
IG16	1.27	3.13	2.10	0.59	4.88	3.77	1.00			
IG17	6.00	11.00	15.00	5.00	22.00	14.00	19.00			

TABLE A-18 B-52G AIRCRAFT GENERAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IG02	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
IG03	1684.49	1684.49	1684.49	1684.49	1684.49	1684.49	1684.49	1684.49	1684.49	1684.49
IG04	4880.00	4880.00	4880.00	4880.00	4880.00	4880.00	4880.00	4880.00	4880.00	4880.00
IG05	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00	4000.00
IG06	8.55	8.55	8.55	8.55	8.55	8.55	8.55	8.55	8.55	8.55
IG07	4657.50	4657.50	4657.50	4657.50	4657.50	4657.50	4657.50	4657.50	4657.50	4657.50
IG08	122.00	122.00	122.00	122.00	122.00	122.00	122.00	122.00	122.00	122.00
IG09	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
IG10	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
IG11	3096.00	3096.00	3096.00	3096.00	3096.00	3096.00	3096.00	3096.00	3096.00	3096.00
IG12	8960.00	8960.00	8960.00	8960.00	8960.00	8960.00	8960.00	8960.00	8960.00	8960.00
IG13	545.00	545.00	545.00	545.00	545.00	545.00	545.00	545.00	545.00	545.00
IG14	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
IG15	88.32	84.01	47.48	73.36	84.88	75.40	75.59	84.07	59.37	73.33
IG16	5.28	5.34	4.60	4.74	5.39	5.28	4.16	4.80	4.03	5.20
IG17	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00

TABLE A-19 KC-135A AIRCRAFT GENERAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IG02	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
IG03	971.91	971.91	971.91	971.91	971.91	971.91	971.91	971.91	971.91	971.91
IG04	2970.00	2970.00	2970.00	2970.00	2970.00	2970.00	2970.00	2970.00	2970.00	2970.00
IG05	2313.40	2313.40	2313.40	2313.40	2313.40	2313.40	2313.40	2313.40	2313.40	2313.40
IG06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06
IG07	3130.00	3130.00	3130.00	3130.00	3130.00	3130.00	3130.00	3130.00	3130.00	3130.00
IG08	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99
IG09	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
IG10	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
IG11	1728.00	1728.00	1728.00	1728.00	1728.00	1728.00	1728.00	1728.00	1728.00	1728.00
IG12	5500.00	5500.00	5500.00	5500.00	5500.00	5500.00	5500.00	5500.00	5500.00	5500.00
IG13	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00	590.00
IG14	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
IG15	56.00	41.67	29.43	41.09	55.42	51.61	49.06	53.40	36.02	48.72
IG16	4.82	4.28	2.33	4.15	4.91	3.63	4.34	2.50	2.17	4.58
IG17	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00

TABLE A-20 T-38A AIRCRAFT GENERAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IG02	18.00	18.00	18.00	18.00	18.00					
IG03	77.70	77.70	77.70	77.70	77.70					
IG04	117.00	117.00	117.00	117.00	117.00					
IG05	170.00	170.00	170.00	170.00	170.00					
IG06	3.75	3.75	3.75	3.75	3.75					
IG07	60.00	60.00	60.00	60.00	60.00					
IG08	67.90	67.90	67.90	67.90	67.90					
IG09	9999.99	9999.99	9999.99	9999.99	9999.99					
IG10	2.00	2.00	2.00	2.00	2.00					
IG11	116.80	116.80	116.80	116.80	116.80					
IG12	770.00	770.00	770.00	770.00	770.00					
IG13	3360.00	3360.00	3360.00	3360.00	3360.00					
IG14	2.00	2.00	2.00	2.00	2.00					
IG15	12.67	8.01	7.45	6.27	7.09					
IG16	1.03	.98	1.19	1.00	.77					
IG17	19.00	19.00	19.00	19.00	19.00					

TABLE A-21 MAINTENANCE RESOURCE DEMAND (MRD) PARAMETER IDENTIFICATION
PHASE I AND PHASE II (SUBSYSTEM EQUIPMENTS)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
	PHASE I (AVIONICS) EQUIPMENT		
IA01	FAILURES PER ACFT	REAL	NO/ACFT
IA20	EQUIP MAINT MANHRS PER ACFT	REAL	NO/ACFT
IA21	EQUIP TOTAL REMOVALS PER ACFT	REAL	NO/ACFT
IA22	EQUIP GROUND ABORTS PER ACFT	REAL	NO/ACFT
IA23	EQUIP AIR ABORTS PER ACFT	REAL	NO/ACFT
	PHASE I (ENGINE) EQUIPMENT		
IP01	FAILURES PER ACFT	REAL	NO/ACFT
IP17	UNSCH MAINT MANHRS PER INSTALLED ENGINE	REAL	MANHRS/NO ENG/10
IP18	UNSCH MAINT MANHRS PER ACFT	REAL	NO/ACFT
IP19	TOTAL ENGINE COMPONENT REMOVALS PER ACFT	REAL	NO/ACFT
IP20	ENGINE GROUND ABORTS PER ACFT	REAL	NO/ACFT
IP21	ENGINE AIR ABORTS PER ACFT	REAL	NO/ACFT

TABLE A-21 MAINTENANCE RESOURCE DEMAND (MRD) PARAMETER IDENTIFICATION
PHASES I AND PHASE II (SUBSYSTEM EQUIPMENTS)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
	PHASE II (OTHER) EQUIPMENT		
IR01	FAILURES PER ACFT	REAL	NO/ACFT
IR02	MAINT MANHRS PER ACFT	REAL	NO/ACFT
IR03	EQUIPMENT TOTAL REMOVALS PER ACFT	REAL	NO/ACFT
IR04	EQUIPMENT GROUND ABORTS PER ACFT	REAL	NO/ACFT
IR05	EQUIPMENT AIR ABORTS PER ACFT	REAL	NO/ACFT
IR06	EQUIPMENT CANNIBILIZATIONS PER ACFT	REAL	NO/ACFT

TABLE A-22 EQUIPMENT PARAMETER IDENTIFICATION - PHASE I (AVIONICS)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IA02	EQUIPMENT LOCATION ON ACFT	SCALED	WEIGHTED NUMBER
IA03	EQUIPMENT WEIGHT	REAL	LB'S
IA04	EQUIPMENT VOLUME	REAL	CU IN
IA05	SRU COUNT	REAL	NUMBER OF SRU'S
IA06	OPERATING TEMPERATURE	REAL	DEGREES "F" MEDIAN
IA07	COOLING METHOD	SCALED	WEIGHTED NUMBER
IA08	PROTECTION DEVICES	SCALED	WEIGHTED NUMBER
IA09	NUMBER OF TEST POINTS (ORG LEVEL)	REAL	NUMBER
IA10	REQUIRED AGE	SCALED	WEIGHTED NUMBER
IA11	AGE AVAILABILITY	REAL	PERCENT
IA12	AGE UNRELIABILITY	REAL	PERCENT
IA13	AVG OPERATING TIME PER SORTIE	REAL	HOURS
IA14	RETEST OK RATE	REAL	PERCENT
IA15	ON-OFF CYCLES PER FLYING HOUR	REAL	NUMBER/10 FLY HR

TABLE A-22 EQUIPMENT PARAMETER IDENTIFICATION - PHASE I (AVIONICS)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IA16	ON-OFF CYCLES PER SORTIE	REAL	NUMBER/SORTIE
IA17	GROUND/FLIGHT OPERATING RATIO	REAL	PERCENT
IA18	ABORTS/FAILURES RATIO	REAL	PERCENT
IA19	EQUIPMENT DENSITY	REAL	LB'S/FT

TABLE A-23 EQUIPMENT PARAMETER IDENTIFICATION - PHASE I (ENGINES)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IP02	TOTAL NO OF INSTALLED ENGINES	REAL	TOTAL NUMBER
IP03	TAKE-OFF THRUST PER ENGINE	REAL	LB'S/10
IP04	WEIGHT PER ENGINE	REAL	LB'S/10
IP05	VOLUME PER ENGINE	REAL	CU FT/10
IP06	DENSITY PER ENGINE	REAL	LB'S/CU FT/10
IP07	NO COMPRESSOR SECTIONS PER ENGINE	REAL	NUMBER
IP08	NO COMPRESSOR BLADES PER ENGINE	REAL	NUMBER
IP09	TURBINE SECTION SIZE	REAL	FEET
IP10	MAX ENGINE COMBUSTION TEMP	REAL	DEGREES "C"
IP11	MAX ENGINE FUEL FLOW	REAL	LB'S/HR/10 PER ENG
IP12	MIN ENGINE FUEL FLOW	REAL	LB'S/HR/10 PER ENG
IP13	ENGINE PRIME DEPOT	SCALED	NUMBER (SCALED VALUE)
IP14	ENGINE AGE AVAILABILITY	REAL	PERCENT
IP15	ENGINE AGE UNRELIABILITY	REAL	PERCENT

TABLE A-23 EQUIPMENT PARAMETER IDENTIFICATION - PHASE I (ENGINES

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IP16	ENGINE VIBRATION FACTORS	SCALED	WEIGHTED VALUE

TABLE A-24 EQUIPMENT PARAMETER IDENTIFICATION - PHASE II (OTHER SUBSYSTEMS)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IF01	LOCATION OF EQUIPMENT ON THE AIRCRAFT	SCALED	SCALED VALUE
IF02	PRIMARY MATERIAL - COMPOSITION TECH LEVEL	SCALED	SCALED VALUE
IF03	EQUIPMENT WEIGHT	REAL	POUNDS
IF04	EQUIPMENT VOLUME	REAL	(GAL/10) (CU FT) (CU IN) (SQ FT)
IF05	OPERATING TEMPERATURE	REAL	DEGREES F
IF06	SUPPORT EQUIPMENT COMPLEXITY	SCALED	SCALED VALUE
IF07	SUPPORT EQUIPMENT UNRELIABILITY	REAL	PERCENT
IF08	TYPE OF FAILURE PROBLEMS	SCALED	SCALED VALUE
IF09	RETEST OK VERIFICATION RATE	REAL	PERCENT
IF10	ON/OFF CYCLES PER SORTIE	REAL	CYCLES/SORTIE
IF11	GROUND TO FLIGHT OPERATING RATIO	REAL	PERCENT
IF12	RELATIVE RELIABILITY OF EQUIPMENT DRIVING FORCE	SCALED	SCALED VALUE
IF13	REMOVALS TO ACCESS OTHER EQUIPMENT	REAL	NO/ACFT/YR
IF14	SEVERITY OF FOD	SCALED	SCALED VALUE

TABLE A-24 EQUIPMENT PARAMETER IDENTIFICATION - PHASE II (OTHER SUBSYSTEMS)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
IF15	PRINCIPLE FAILURE CAUSE	SCALED	SCALED VALUE
IF16	EQUIPMENT PROTECTION METHODOLOGY	SCALED	SCALED
IF17	EQUIPMENT PRESSURIZATION LEVEL	REAL	PSI
IF18	RAIN REMOVAL TECHNOLOGY (WINDSHIELD)	SCALED	SCALED VALUE
IF19	MOUNTING POSITION (WINGS)	SCALED	SCALED VALUE
IF20	POWER RATING (GENERATORS)	REAL	KVA RATING
IF21	NO OF TIRE PLY'S (TIRES)	REAL	PLY'S PER TIRE
IF22	LANDINGS PER TIRE (TIRES)	REAL	LANDINGS PER TIRE
IF23	AVG TIRE COST (TIRES)	REAL	COST PER TIRE
IF24	SECURING METHOD TECHNOLOGY (RADOME)	SCALED	SCALED VALUE

TABLE A-25 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - RADOME (11AX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	1.10	2.06	3.63	VOID	1.12	0.84	1.28			
IR02	6.63	2.82	26.30	VOID	7.05	5.68	2.53			
IR03	0.41	0.22	2.50	VOID	0.13	1.10	0.50			
IR04	0.00	0.00	0.00	VOID	0.00	0.00	0.00			
IR05	0.00	0.00	0.03	VOID	0.00	0.00	0.00			
IR06	0.00	0.03	0.03	VOID	0.00	0.00	0.00			

TABLE A-26 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - RADOME (11AX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	3.00	3.00	3.00	VOID	3.00	3.00	3.01			
IF02	5.00	5.00	5.00	VOID	5.00	5.00	5.00			
IF03	208.00	800.00	60.00	VOID	150.00	60.00	1.00			
IF04	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	1.00	5.00	1.00	VOID	1.00	1.00	1.00			
IF07	100.00	99.00	100.00	VOID	100.00	100.00	100.00			
IF08	6.00	5.00	9.00	VOID	8.00	1.00	6.00			
IF09	100.00	100.00	100.00	VOID	100.00	100.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF13	0.52	0.09	0.28	VOID	0.07	2.93	0.00			
IF14	0.00	1.00	0.00	VOID	1.00	2.00	0.00			
IF15	0.00	3.00	0.00	VOID	0.00	3.00	1.00			
IF16	2.00	0.00	2.00	VOID	0.00	0.00	0.00			
IF17	0.00	0.00	0.00	VOID	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	1.00	1.00	3.00	VOID	2.00	3.00	1.00			

TABLE A-27 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT MRD PARAMETER INPUT DATA - SUBSYSTEM FORWARD FUSELAGE - WINDSHIELD (11AX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.52	2.19	6.78	0.21	0.11	2.61	0.71			
IR02	29.21	20.53	80.55	7.16	1.55	14.72	7.76			
IR03	0.52	0.47	1.41	0.89	0.01	0.38	1.40			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.00	0.00	0.06	0.26	0.00	0.00	0.00			

TABLE A-28 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - WINDSHIELD (11AX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF02	2.00	6.00	6.00	6.00	6.00	6.00	6.00			
IF03	60.00	64.00	385.00	150.00	54.00	50.00	20.00			
IF04	1890.00	2160.00	3840.00	1661.00	432.00	432.00	432.00			
IF05	VOID	VOID	VOID	150.00	108.00	VOID	VOID			
IF06	1.00	1.00	3.00	3.00	3.00	3.00	5.00			
IF07	100.00	95.00	95.00	100.00	100.00	100.00	100.00			
IF08	6.00	7.00	7.00	10.00	8.00	5.00	6.00			
IF09	97.50	100.00	100.00	100.00	99.00	99.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	VOID	4.00	1.00	1.00	1.00	1.00	6.00			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	VOID			
IF14	2.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	0.00	0.00	3.00	11.00	0.00	0.00	0.00			
IF16	4.00	0.00	5.00	2.00	3.00	3.00	1.00			
IF17	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF18	2.00	2.00	2.00	2.00	1.00	1.00	1.00			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-29 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT MRD PARAMETER INPUT DATA - SUBSYSTEM WINGS

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	2.21	29.88	121.34	3.21	44.62	56.26	6.14			
IR02	75.06	76.91	807.72	36.45	215.64	133.80	27.87			
IR03	4.24	5.41	33.88	2.89	5.66	1.09	2.78			
IR04	0.03	0.00	0.00	0.00	0.00	0.00	0.01			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.07	0.06	0.34	0.42	0.21	0.00	0.04			

TABLE A-30 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
WINGS

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	2.00	2.00	2.00	2.00	2.00	2.00	2.01			
IF02	3.00	3.00	3.00	3.00	12.00	7.00	3.00			
IF03	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF04	608.00	602.75	3073.00	506.00	800.00	1156.70	170.00			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	5.00	10.00	1.00	1.00	1.00	1.00	5.00			
IF07	100.00	95.00	95.00	99.00	95.00	100.00	100.00			
IF08	11.00	8.00	9.00	9.00	9.00	5.00	5.00			
IF09	100.00	80.00	100.00	100.00	100.00	100.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	1.00	8.00	8.00	8.00	14.00	0.00	11.00			
IF16	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	3.00	3.00	3.00	1.00	3.00	2.00	1.00			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-31 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT MRD PARAMETER INPUT DATA - SUBSYSTEM COCKPIT - SEATS

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.00	2.56	22.72	0.05	0.45	1.54	0.49			
IR02	0.10	11.87	70.70	19.13	7.21	4.27	11.64			
IR03	0.03	1.75	3.84	3.79	0.98	0.23	3.50			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR05	0.03	0.03	0.03	0.00	0.00	0.00	0.00			
IR06	0.00	0.00	0.56	0.00	0.00	0.00	0.00			

TABLE A-32 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
COCKPIT - SEATS

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF02	3.00	3.00	3.00	3.00	3.00	3.00	3.00			
IF03	50.00	40.00	50.00	77.00	280.00	50.00	125.00			
IF04	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	8.00	1.00	1.00	5.00	5.00	1.00	5.00			
IF07	100.00	99.00	95.00	100.00	95.00	100.00	100.00			
IF08	6.00	5.00	9.00	6.00	8.00	5.00	5.00			
IF09	100.00	95.00	100.00	100.00	80.00	100.00	80.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	50.00	300.00	400.00	100.00	200.00	33.30	20.00			
IF12	6.00	1.00	2.00	1.00	3.00	2.00	6.00			
IF13	0.03	1.22	2.13	3.11	0.27	0.00	1.80			
IF14	2.00	0.00	0.00	2.00	0.00	0.00	1.00			
IF15	0.00	0.00	8.00	2.00	0.00	0.00	0.00			
IF16	5.00	4.00	0.00	1.00	3.00	0.00	5.00			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-33 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LANDING GEAR - WHEEL AND TIRE (13XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	16.72	3.00	13.41	0.63	11.88	10.22	22.79			
IR02	48.68	40.80	216.84	1.65	154.74	116.81	42.50			
IR03	24.83	4.97	37.91	0.63	15.78	14.18	32.48			
IR04	0.07	0.00	0.00	0.00	0.00	0.00	0.02			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

TABLE A-34 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
LANDING GEAR - WHEEL AND TIRE (13XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
IF02	4.00	4.00	4.00	4.00	4.00	4.00	4.00			
IF03	190.00	506.00	2200.00	228.00	5488.00	2960.00	58.00			
IF04	10.54	17.60	112.56	12.96	182.40	148.40	1.64			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	7.00	5.00	5.00	1.00	5.00	1.00	5.00			
IF07	95.00	95.00	100.00	100.00	100.00	100.00	98.00			
IF08	9.00	9.00	10.00	5.00	7.00	8.00	10.00			
IF09	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	2.00	4.00	4.00	2.00	2.00	2.00	2.00			
IF13	0.97	2.03	5.21	0.11	1.87	1.30	3.19			
IF14	2.00	1.00	2.00	1.00	3.00	2.00	1.00			
IF15	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
IF16	4.00	3.00	3.00	5.00	VOID	VOID	1.00			
IF17	260.00	215.00	200.00	180.00	270.00	155.00	250.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	26.00	36.00	28.00	23.00	38.00	26.00	12.00			
IF22	30.00	160.00	160.00	19.00	VOID	VOID	80.00			
IF23	202.90	862.26	275.50	208.00	512.90	363.40	73.29			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-35 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT MRD PARAMETER INPUT DATA - SUBSYSTEM BRAKES (13XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	16.55	2.13	15.31	0.21	34.19	19.94	9.77			
IR02	56.98	38.71	92.72	1.77	85.34	58.98	35.11			
IR03	4.52	2.19	4.69	0.16	2.73	2.16	3.82			
IR04	0.00	0.00	0.00	0.05	0.00	0.00	0.09			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
IR06	0.10	0.00	0.00	0.00	0.00	0.00	0.08			

TABLE A-36 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
BRAKES (13XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
IF02	3.00	11.00	5.00	11.00	11.00	11.00	8.00			
IF03	60.00	200.00	105.00	97.50	283.00	193.00	35.00			
IF04	1366.00	4580.00	2042.00	2035.00	3980.00	1908.00	565.00			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
IF07	100.00	100.00	99.00	100.00	99.00	99.00	100.00			
IF08	5.00	5.00	9.00	9.00	8.00	8.00	9.00			
IF09	100.00	75.00	95.00	100.00	90.00	90.00	80.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	40.00	20.00	18.00	26.00	8.00	14.00	36.00			
IF12	3.00	3.00	3.00	3.00	3.00	3.00	3.00			
IF13	0.24	0.00	0.13	0.11	0.20	0.04	1.43			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	5.00	5.00	5.00	5.00	5.00	6.00	5.00			
IF16	8.00	0.00	7.00	0.00	4.00	3.00	0.00			
IF17	3000.00	3000.00	2100.00	3000.00	1275.00	1200.00	VOID			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-37 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FLIGHT CONTROLS - HORIZONTAL STABILIZER (14XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	1.45	4.66	19.75	0.00	0.28	4.67	1.05			
IR02	9.55	148.64	33.42	0.00	0.61	8.22	11.53			
IR03	0.10	4.34	2.94	0.00	0.00	0.00	0.37			
IR04	0.00	0.09	0.00	0.00	0.00	0.00	0.02			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
IR06	0.00	1.22	0.06	0.00	0.00	0.00	0.03			

TABLE A-38 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
FLIGHT CONTROLS - HORIZONTAL STABILIZER (14XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	6.00	6.00	6.00	6.00	6.00	6.00	6.00			
IF02	4.00	3.00	3.00	7.00	3.00	4.00	3.00			
IF03	300.00	1730.00	3000.00	800.00	2000.00	1600.00	800.00			
IF04	120.00	174.00	374.00	89.40	821.00	374.50	59.00			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	5.00	4.00	5.00	1.00	1.00	5.00	5.00			
IF07	100.00	95.00	95.00	100.00	100.00	99.00	100.00			
IF08	11.00	5.00	10.00	8.00	8.00	6.00	1.00			
IF09	100.00	50.00	VOID	100.00	100.00	100.00	VOID			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	3.00	3.00	6.00	5.00	6.00	3.00	3.00			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	0.00	11.00	8.00	5.00	5.00	0.00	0.00			
IF16	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF17	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-39 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FLIGHT CONTROLS - RUDDER (14XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.86	0.16	5.50	0.11	0.00	0.73	1.97			
IR02	9.93	5.39	11.66	1.44	1.25	2.48	21.90			
IR03	0.38	0.16	0.22	0.05	0.00	0.00	0.24			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

TABLE A-40 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
FLIGHT CONTROLS - RUDDER (14XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	6.00	6.00	6.00	6.00	6.00	6.00	6.00			
IF02	4.00	3.00	3.00	5.00	3.00	3.00	3.00			
IF03	34.00	250.00	222.00	44.00	300.00	225.00	55.00			
IF04	20.00	29.30	87.00	23.50	39.50	102.80	6.40			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF07	100.00	95.00	95.00	100.00	100.00	100.00	100.00			
IF08	11.00	4.00	10.00	5.00	5.00	9.00	1.00			
IF09	50.00	95.00	85.00	100.00	100.00	95.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	4.00	11.00	0.00	5.00	0.00	0.00	0.00			
IF16	5.00	7.00	7.00	VOID	VOID	VOID	1.00			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-41 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPM N.
MRD PARAMETER INPUT DATA - SUBSYSTEM
FLIGHT CONTROLS - FLAPS (14XX3)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.14	13.56	35.59	0.37	6.14	11.45	1.18			
IR02	0.10	83.39	239.37	6.58	30.23	54.17	6.88			
IR03	0.00	4.69	19.19	0.26	0.60	0.56	1.27			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
IR06	0.00	0.84	0.28	0.00	0.06	0.0	0.00			

TABLE A-42 AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
FLIGHT CONTROLS - FLAPS (14XX3)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	2.00	2.00	2.00	2.00	2.00	2.00	2.00			
IF02	4.00	3.00	3.00	7.00	3.00	3.00	3.00			
IF03	104.00	800.00	3364.00	200.00	800.00	550.00	70.00			
IF04	69.70	126.70	528.70	86.00	523.00	120.00	20.50			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	1.00	10.00	5.00	5.00	1.00	1.00	5.00			
IF07	100.00	95.00	95.00	VOID	100.00	100.00	100.00			
IF08	5.00	9.00	14.00	8.00	9.00	4.00	1.00			
IF09	100.00	80.00	100.00	100.00	100.00	100.00	100.00			
IF10	4.00	2.00	1.00	VOID	4.00	4.00	VOID			
IF11	10.00	VOID	10.00	VOID	5.00	5.00	10.00			
IF12	5.00	4.00	4.00	5.00	1.00	6.00	3.00			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	1.00	5.00	5.00	5.00	5.00	0.00	0.00			
IF16	5.00	0.00	6.00	0.00	3.00	3.00	1.00			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-43 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT MRD PARAMETER INPUT DATA - SUBSYSTEM PROPULSION - ENGINE (23000)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IP01	97.58	88.97	390.75	4.26	549.88	350.38	168.01			
IP17	2742.26	4970.13	3595.76	677.89	165.18	145.31	80.06			
IP18	1589.86	944.12	2584.83	115.47	210.08	1380.95	55.31			
IP19	91.72	39.69	127.03	5.10	108.56	70.56	56.84			
IP20	1.38	0.53	0.34	0.74	0.25	0.29	2.25			
IP21	0.90	0.41	0.47	0.32	0.04	0.07	0.83			

TABLE A-44 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM PROPULSION - ENGINE (23000)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IP02	58.00	64.00	128.00	38.00	126.40	74.80	167.20			
IP03	2394.00	2000.00	2100.00	906.50	1100.00	1120.00	384.90			
IP04	302.10	490.00	461.20	142.70	380.70	432.00	51.60			
IP05	6.19	20.76	18.89	8.80	11.41	11.41	2.07			
IP06	48.80	23.60	24.42	16.22	33.65	37.83	24.92			
IP07	2.00	3.00	2.00	2.00	2.00	2.00	8.00			
IP08	982.00	1024.00	1087.00	28.00	1135.00	1135.00	807.00			
IP09	1.85	1.50	1.34	2.00	2.19	2.19	1.40			
IP10	954.00	1115.00	555.00	825.00	610.00	610.00	725.00			
IP11	5000.00	5600.00	1200.00	413.00	1250.00	1250.00	1140.00			
IP12	100.00	105.00	105.00	23.00	105.00	105.00	40.00			
IP13	2.00	1.00	1.00	4.00	1.00	1.00	3.00			
IP14	100.00	100.00	100.00	75.00	95.00	95.00	100.00			
IP15	2.50	5.00	0.00	15.00	1.50	1.50	2.00			
IP16	1.00	1.00	1.00	1.00	2.00	2.00	2.00			

TABLE A-45 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ENVIRONMENTAL CONTROL - WATER SEPARATORS (41XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.00	1.16	3.88	0.00	0.48	0.13	0.48			
IR02	1.64	11.42	6.24	0.21	6.31	0.79	0.99			
IR03	0.21	0.56	0.28	0.05	0.38	0.06	0.18			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.00	0.06	0.03	0.00	0.06	0.00	0.00			

TABLE A-46 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
ENVIRONMENTAL CONTROL - WATER SEPARATORS (41XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	2.00	4.00	2.00	2.00	5.00	5.00	2.00			
IF02	3.00	3.00	3.00	3.00	3.00	3.00	3.00			
IF03	9.70	5.00	14.80	2.00	5.80	12.60	5.80			
IF04	763.00	1231.00	904.30	972.00	1584.00	2112.00	1434.00			
IF05	38.00	200.00	125.00	200.00	38.00	38.00	120.00			
IF06	5.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF07	100.00	95.00	100.00	95.00	100.00	100.00	100.00			
IF08	5.00	13.00	3.00	4.00	1.00	1.00	1.00			
IF09	75.00	50.00	100.00	95.00	90.00	25.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	20.00	VOID	25.00	10.00	5.00	5.00	VOID			
IF12	4.00	4.00	4.00	4.00	4.00	4.00	4.00			
IF13	0.21	0.00	0.00	0.00	0.00	0.00	0.01			
IF14	2.00	1.00	0.00	0.00	2.00	1.00	0.00			
IF15	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF16	4.00	4.00	7.00	1.00	4.00	2.00	1.00			
IF17	10.00	VOID	15.00	38.00	VOID	VOID	5.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-47 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
POWER GENERATING - GENERATOR (42XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.45	2.22	1.66	0.00	5.40	2.66	2.96			
IR02	5.34	29.12	45.14	0.00	37.38	19.53	14.42			
IR03	0.21	0.38	2.22	0.00	1.87	1.46	0.69			
IR04	0.00	0.09	0.03	0.00	0.00	0.04	0.42			
IR05	0.03	0.00	0.00	0.00	0.00	0.00	0.02			
IR06	0.10	0.06	0.00	0.00	0.11	0.00	0.02			

TABLE A-48 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
POWER GENERATING - GENERATOR (42XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	8.00	8.00	8.00	8.00	8.00	8.00	8.00			
IF02	3.00	8.00	3.00	8.00	3.00	3.00	3.00			
IF03	40.00	86.00	80.00	70.00	93.00	100.00	34.50			
IF04	779.30	1329.80	1260.30	1680.00	1384.70	1809.50	895.00			
IF05	200.00	300.00	252.00	180.00	VOID	VOID	200.00			
IF06	8.00	6.00	5.00	9.00	10.00	10.00	10.00			
IF07	96.50	90.00	95.00	90.00	100.00	100.00	100.00			
IF08	6.00	14.00	6.00	4.00	6.00	6.00	5.00			
IF09	85.00	95.00	100.00	75.00	90.00	95.00	90.00			
IF10	1.00	2.00	1.50	2.00	1.00	1.00	1.00			
IF11	5.00	20.00	12.50	100.00	200.00	50.00	100.00			
IF12	3.00	3.00	3.00	6.00	3.00	3.00	3.00			
IF13	0.03	0.00	0.41	0.00	0.80	0.48	0.17			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF16	10.00	3.00	7.00	2.00	7.00	7.00	5.00			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	40.00	62.50	40.00	30.00	70.00	40.00	8.00			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-49 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
EXTERIOR LIGHTING - ANTI COLLISION LIGHTS (44XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	2.72	5.31	7.78	0.05	1.42	0.31	2.05			
IR02	15.27	59.23	55.94	3.13	7.13	1.47	4.90			
IR03	0.83	2.31	2.41	0.58	0.26	0.08	0.75			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.02			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.07	1.94	0.13	0.16	0.16	0.00	0.-0			

TABLE A-50 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
EXTERIOR LIGHTING - ANTI COLLISION LIGHTS (44XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	21.00	18.00	21.00	22.00	21.00	18.00	16.00			
IF02	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF03	10.00	10.00	15.00	2.00	2.50	4.00	2.00			
IF04	500.00	392.60	720.00	193.00	368.00	187.90	180.00			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	1.00	1.00	1.00	4.00	3.00	3.00	1.00			
IF07	95.00	100.00	99.00	95.00	100.00	100.00	100.00			
IF08	10.00	6.00	6.00	12.00	6.00	12.00	5.00			
IF09	90.00	100.00	100.00	100.00	100.00	100.00	100.00			
IF10	1.00	1.00	1.00	2.00	1.00	1.00	2.00			
IF11	50.00	25.00	10.00	300.00	200.00	300.00	100.00			
IF12	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	9.00	0.00	0.00	14.00	0.00	0.00	0.00			
IF16	5.00	3.00	3.00	16.00	3.00	3.00	4.00			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-51 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
EXTERIOR LIGHTING LANDING/TAXI LIGHTS (44XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.41	4.34	13.19	0.05	2.05	0.95	2.15			
IR02	1.80	14.54	30.07	0.02	5.63	2.33	7.25			
IR03	0.14	3.81	2.19	0.00	0.57	0.19	0.66			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.03			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.02			
IR06	0.00	0.28	0.00	0.16	0.15	0.00	0.04			

TABLE A-52 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
EXTERIOR LIGHTING - LANDING/TAXI LIGHTS (44XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	8.00	10.00	4.00	10.00	12.00	6.00	3.00			
IF02	9.00	9.00	9.00	9.00	9.00	9.00	9.00			
IF03	6.00	6.00	34.00	8.00	15.00	9.50	12.00			
IF04	171.74	508.90	6336.00	500.00	1206.00	793.00	600.00			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF07	95.00	100.00	99.50	95.00	100.00	100.00	100.00			
IF08	4.00	9.00	8.00	9.00	6.00	5.00	5.00			
IF09	100.00	100.00	97.50	90.00	100.00	100.00	96.00			
IF10	1.00	3.00	2.00	2.00	2.00	2.00	4.00			
IF11	5.00	20.00	10.00	17.00	10.00	14.00	15.00			
IF12	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF13	0.07	0.19	0.13	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	5.00	5.00	5.00	14.00	0.00	5.00	0.00			
IF16	4.00	4.00	4.00	8.00	8.00	4.00	4.00			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-53 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HYDRAULIC POWER CONTROL - PUMPS (45XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.34	3.81	1.28	0.00	11.02	4.91	0.80			
IR02	11.26	47.38	20.55	1.26	69.50	30.25	8.43			
IR03	1.83	1.47	7.00	0.05	3.68	1.14	1.31			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR05	0.00	0.03	0.00	0.00	0.00	0.00	0.02			
IR06	0.00	0.25	0.00	0.00	0.47	0.00	0.01			

TABLE A-54 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
HYDRAULIC POWER CONTROL - PUMPS (45XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	8.00	8.00	8.00	8.00	8.00	8.00	8.00			
IF02	8.00	8.00	8.00	8.00	8.00	8.00	8.00			
IF03	25.00	20.00	17.50	20.00	19.00	24.00	13.00			
IF04	462.00	480.00	416.00	900.00	1432.00	942.00	236.00			
IF05	275.00	275.00	275.00	275.00	275.00	275.00	275.00			
IF06	5.00	5.00	10.00	10.00	5.00	5.00	5.00			
IF07	90.00	100.00	98.00	95.00	99.00	99.00	100.00			
IF08	9.00	11.00	8.00	6.00	6.00	8.00	5.00			
IF09	95.00	80.00	100.00	99.00	100.00	100.00	100.00			
IF10	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF11	6.50	10.00	20.00	20.00	10.00	10.00	10.00			
IF12	6.00	6.00	6.00	6.00	6.00	6.00	6.00			
IF13	1.28	0.00	6.69	0.05	0.00	0.16	0.19			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF16	9.00	7.00	6.00	4.00	4.00	4.00	4.00			
IF17	3250.00	3000.00	3150.00	3200.00	3250.00	3050.00	3100.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-55 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT MRD PARAMETER INPUT DATA - SUBSYSTEM INTERNAL FUEL TANKS (46XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.45	5.50	5.41	1.11	9.06	10.94	0.39			
IR02	29.71	181.78	24.93	87.43	83.76	71.37	16.65			
IR03	0.34	0.19	0.06	0.79	0.29	0.11	0.37			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.00	0.00	0.00	0.05	0.00	0.00	0.01			

TABLE A-56 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
INTERNAL FUEL TANKS (46XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	2.00	6.00	2.00	2.00	2.00	2.00	9.00			
IF02	4.00	4.00	3.00	3.00	3.00	3.00	1.00			
IF03	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF04	177.00	142.58	688.60	65.80	2553.80	1207.20	58.30			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	10.00	5.00	15.00	5.00	5.00	5.00	5.00			
IF07	95.00	99.00	96.50	95.00	99.00	99.00	100.00			
IF08	7.00	6.00	10.00	12.00	10.00	9.00	1.00			
IF09	80.00	100.00	96.00	97.50	100.00	100.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	6.00	3.00	3.00	3.00	3.00	3.00	3.00			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	9.00	3.00	9.00	10.00	8.00	5.00	0.00			
IF16	7.00	7.00	7.00	4.00	7.00	3.00	4.00			
IF17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-57 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LIQUID OXYGEN REGULATORS (47XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.34	2.63	4.53	0.05	2.30	2.08	0.76			
IR02	2.01	3.81	12.22	0.47	22.47	13.15	3.86			
IR03	0.34	1.22	1.03	0.11	1.90	1.57	1.35			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.04			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
IR06	0.00	0.31	0.22	0.00	0.50	0.00	0.06			

TABLE A-58 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
LIQUID OXYGEN REGULATORS (47XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IF02	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
IF03	2.50	1.00	3.00	2.00	2.00	3.00	1.50			
IF04	75.00	28.30	256.00	196.00	108.00	32.00	84.00			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	4.00	1.00	5.00	6.00	5.00	6.00	5.00			
IF07	60.00	100.00	100.00	99.00	95.00	95.00	100.00			
IF08	11.00	7.00	7.00	6.00	11.00	9.00	7.00			
IF09	90.00	95.00	100.00	95.00	95.00	95.00	95.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	100.00	50.00	5.00	5.00	25.00	25.00	VOID			
IF12	6.00	6.00	6.00	6.00	6.00	6.00	6.00			
IF13	0.07	0.19	0.00	0.00	0.00	0.00	0.30			
IF14	6.00	6.00	6.00	0.00	0.00	6.00	6.00			
IF15	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF16	4.00	7.00	7.00	1.00	6.00	5.00	0.00			
IF17	120.00	150.00	305.00	90.00	300.00	450.00	110.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-59 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LIQUID OXYGEN CONVERTERS (47XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.38	0.50	0.47	0.16	3.90	0.60	0.43			
IR02	1.43	10.75	4.45	1.87	30.93	3.04	4.00			
IR03	0.14	1.00	0.13	0.16	2.03	0.15	0.26			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.14			
IR05	0.03	0.00	0.00	0.00	0.00	0.00	0.01			
IR06	0.10	0.59	0.03	0.32	0.05	0.00	0.00			

TABLE A-60 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
LIQUID OXYGEN CONVERTERS (47XX2)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	3.00	2.00	5.00	3.00	3.00	3.00	3.00			
IF02	9.00	8.00	8.00	11.00	14.00	8.00	8.00			
IF03	17.25	16.00	35.00	10.00	33.00	37.00	16.25			
IF04	5.00	15.00	25.00	5.00	25.00	8.00	5.00			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF06	8.00	5.00	5.00	6.00	5.00	4.00	5.00			
IF07	5.00	98.00	90.00	90.00	98.00	100.00	100.00			
IF08	5.00	5.00	8.00	5.00	15.00	4.00	6.00			
IF09	70.00	95.00	90.00	100.00	60.00	85.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	100.00	50.00	5.00	5.00	25.00	25.00	VOID			
IF12	6.00	6.00	6.00	6.00	6.00	6.00	6.00			
IF13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF16	4.00	4.00	6.00	1.00	2.00	4.00	1.00			
IF17	110.00	110.00	305.00	180.00	450.00	450.00	120.00			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-61 SEVEN AIRCRAFT COMPOSITE PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FIRE DETECTION SENSORS (49XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IR01	0.21	0.72	5.41	0.21	1.20	13.31	0.22			
IR02	4.00	17.68	12.56	4.00	3.49	21.29	1.44			
IR03	0.24	2.81	1.47	0.24	0.05	2.52	0.03			
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.02			
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IR06	0.03	0.09	0.00	0.03	0.00	0.00	0.00			

TABLE A-62 SEVEN AIRCRAFT COMPOSITE PHASE II
EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM
FIRE DETECTION SENSORS (49XX1)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IF01	8.00	8.00	8.00	8.00	8.00	8.00	8.00			
IF02	2.00	7.00	8.00	3.00	8.00	8.00	8.00			
IF03	2.00	2.00	3.00	1.00	0.63	0.63	0.50			
IF04	2.00	VOID	0.22	3.75	VOID	2.20	VOID			
IF05	VOID	VOID	VOID	VOID	VOID	VOID	VOIF			
IF06	1.00	1.00	6.00	3.00	4.00	4.00	1.00			
IF07	95.00	99.00	95.00	95.00	100.00	100.00	100.00			
IF08	5.00	14.00	16.00	10.00	4.00	9.00	9.00			
IF09	95.00	95.00	95.00	85.00	100.00	100.00	100.00			
IF10	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF11	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF12	1.00	5.00	1.00	1.00	3.00	3.00	6.00			
IF13	0.00	1.09	0.00	0.00	0.00	0.07	0.00			
IF14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IF15	5.00	0.00	0.00	8.00	0.00	5.00	0.00			
IF16	9.00	7.00	3.00	8.00	3.00	3.00	4.00			
IF17	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF18	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF19	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF20	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF21	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF22	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF23	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IF24	VOID	VOID	VOID	VOID	VOID	VOID	VOID			

TABLE A-63 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
INSTRUMENTS - FLIGHT INDICATORS (51A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	0.55	1.41	1.38	0.26	1.56	0.35	1.50			
IA20	3.78	8.76	4.72	1.62	6.93	1.23	3.87			
IA21	0.24	0.88	0.72	0.26	1.00	0.13	0.93			
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.02			
IA23	0.01	0.00	0.00	0.00	0.00	0.00	0.00			

TABLE A-64 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM INSTRUMENTS - FLIGHT INDICATORS (51A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	1.00	1.00	1.00	2.00	1.00	1.00	1.00			
IA03	2.00	1.50	2.00	150.00	3.00	1.00	2.00			
IA04	100.00	18.80	35.34	1.00	192.00	75.30	98.00			
IA05	1.00	1.00	1.00	60.00	1.00	1.00	1.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	2.00	1.00	1.00	0.00	1.00	1.00	1.00			
IA08	5.00	0.00	4.00	0.00	0.00	0.00	4.00			
IA09	0.00	0.00	0.00	VOID	3.00	1.00	0.00			
IA10	6.00	6.00	3.00	VOID	4.00	4.00	4.00			
IA11	100.00	100.00	100.00	0	100.00	100.00	100.00			
IA12	30.00	5.00	2.00	1.80	0.00	0.00	0.00			
IA13	1.23	4.00	3.70	0.00	8.25	6.33	1.26			
IA14	0.00	2.00	0.00	0.56	5.00	0.00	20.00			
IA15	0.81	0.25	0.27	1.00	0.12	0.16	0.79			
IA16	1.00	1.00	1.00	200.00	1.00	1.00	1.00			
IA17	10.00	25.00	0.00	0.00	16.70	100.00	400.00			
IA18	0.00	0.00	0.00	23.04	0.00	0.00	0.00			
IA19	34.54	137.87	97.79	1.62	27.00	22.92	35.27			

TABLE A-65 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
INSTRUMENTS - AIR DATA INDICATORS (51E00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	1.45	2.63	6.43	0.21	2.27	0.96	0.71			
IA20	35.83	69.72	54.83	2.91	20.58	5.12	2.90			
IA21	1.55	4.03	5.47	0.16	1.83	0.46	0.54			
IA22	0.21	0.00	0.00	0.00	0.00	0.00	0.00			
IA23	0.03	0.13	0.00	0.00	0.00	0.00	0.00			

TABLE A-66 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
PARAMETER INPUT DATA - SUBSYSTEM
INSTRUMENTS - AIR DATA SYSTEM (51E00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	3.00	3.00	3.00	3.00	1.00	1.00	2.00			
IA03	16.30	47.50	40.00	15.00	10.00	3.00	6.00			
IA04	641.50	2156.60	608.00	864.00	576.00	640.00	448.00			
IA05	19.00	20.00	1.00	1.00	1.00	1.00	1.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	1.00	1.00	1.00	2.00	1.00	2.00	1.00			
IA08	5.00	0.00	4.00	0.00	4.00	0.00	5.00			
IA09	0.00	0.00	1.00	0.00	0.00	0.00	0.00			
IA10	6.00	5.00	4.00	2.00	5.00	5.00	4.00			
IA11	100.00	100.00	100.00	90.00	75.00	100.00	100.00			
IA12	15.00	5.00	2.00	10.00	0.00	10.00	0.00			
IA13	1.23	4.00	3.70	1.80	8.25	0.32	1.26			
IA14	0.00	2.00	25.00	0.00	50.00	50.00	25.00			
IA15	0.81	0.25	0.27	0.56	0.12	0.63	0.79			
IA16	1.00	1.00	1.00	1.00	1.00	4.00	1.00			
IA17	75.00	50.00	300.00	VOID	150.00	0.00	20.00			
IA18	16.67	4.76	0.99	0.00	0.00	0.00	0.00			
IA19	43.91	38.07	113.68	30.00	30.00	8.10	23.14			

TABLE A-67 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
INSTRUMENTS - HORIZONTAL SITUATION INDICATOR (51N00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	0.72	1.31	2.50	0.37	3.00	1.88	1.73			
IA20	8.97	7.98	14.77	3.72	15.06	8.27	5.61			
IA21	0.79	1.56	2.00	0.63	2.57	1.59	1.60			
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.06			
IA23	0.01	0.00	0.00	0.00	0.00	0.00	0.00			

TABLE A-68 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
PARAMETER INPUT DATA - SUBSYSTEM
INSTRUMENTS - HORIZONTAL SITUATION INDICATOR (51N00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA03	6.33	5.00	6.00	3.00	5.00	3.00	8.50			
IA04	454.00	360.00	360.00	225.00	241.20	420.00	202.50			
IA05	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	2.00	1.00	1.00	4.00	1.00	1.00	1.00			
IA08	0.00	0.00	4.00	0.00	0.00	0.00	4.00			
IA09	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IA10	6.00	6.00	2.00	3.00	5.00	5.00	4.00			
IA11	100.00	90.00	95.00	100.00	95.00	98.00	100.00			
IA12	2.00	5.00	2.00	10.00	0.00	0.00	0.00			
IA13	1.23	4.00	3.70	180.00	8.25	6.33	1.26			
IA14	0.00	30.00	5.00	VOID	0.00	0.00	20.00			
IA15	0.81	0.25	0.27	0.56	0.12	0.16	0.79			
IA16	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA17	200.00	66.67	400.00	10.00	16.67	0.00	20.00			
IA18	0.00	0.00	0.00	0.00	0.00	0.00	1.05			
IA19	24.09	24.00	28.80	23.04	35.82	12.34	72.53			

TABLE A-69 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT MRD PARAMETER INPUT DATA - SUBSYSTEM AUTO PILOT (52A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	0.86	1.21	2.50	0.42	5.73	2.22	0.76			
IA20	25.80	41.51	20.64	6.66	64.50	25.56	5.50			
IA21	0.69	3.78	3.09	0.32	6.72	2.48	0.41			
IA22	0.03	0.03	0.00	0.00	0.00	0.00	0.00			
IA23	0.00	0.03	0.00	0.00	0.00	0.00	0.00			

TABLE A-70 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM AUTO PILOT (52A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	1.00	3.00	8.00	3.00	2.00	6.00	6.00			
IA03	11.76	21.00	1.00	4.50	41.00	27.00	4.33			
IA04	607.68	656.00	40.00	234.00	2513.70	1735.40	84.00			
IA05	15.00	6.00	2.00	8.00	6.00	10.00	2.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	1.00	2.00	1.00	1.00	4.00	4.00	1.00			
IA08	5.00	0.00	4.00	4.00	0.00	0.00	4.00			
IA09	0.00	0.00	4.00	62.00	0.00	0.00	1.00			
IA10	6.00	6.00	3.00	4.00	2.00	6.00	4.00			
IA11	100.00	90.00	95.00	100.00	100.00	100.00	100.00			
IA12	15.00	20.00	5.00	5.00	0.00	0.00	50.00			
IA13	1.23	4.00	3.70	1.80	8.10	5.70	0.82			
IA14	50.00	10.00	50.00	27.50	75.00	25.00	25.00			
IA15	0.81	0.25	0.27	0.56	0.12	0.16	0.65			
IA16	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA17	200.00	100.00	200.00	20.00	11.10	20.00	0.00			
IA18	4.00	5.71	0.00	12.50	0.00	0.00	0.00			
IA19	33.40	55.32	43.20	33.23	28.18	26.89	89.07			

TABLE A-71 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
UHF COMMUNICATIONS (63A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	6.76	6.25	31.56	1.53	7.09	10.95	8.60			
IA20	69.50	108.84	284.83	6.14	77.99	108.42	39.72			
IA21	3.21	4.63	11.47	0.37	5.42	6.49	6.38			
IA22	0.07	0.00	0.00	0.00	0.00	0.00	0.40			
IA23	0.07	0.00	0.00	0.00	0.00	0.00	0.20			

TABLE A-72 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM UHF COMMUNICATIONS (63A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	3.00	2.00	3.00	1.00	6.00	1.00	2.00			
IA03	28.70	28.70	55.00	9.25	45.00	45.00	45.50			
IA04	884.90	888.19	1760.00	241.60	1572.48	1583.91	1583.90			
IA05	13.00	11.00	10.00	5.00	7.00	7.00	8.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	2.00	2.00	2.00	2.00	2.00	2.00	2.00			
IA08	3.00	3.00	4.00	3.00	0.00	0.00	4.00			
IA09	82.00	50.00	1.00	37.00	12.00	12.00	0.00			
IA10	6.00	6.00	4.00	4.00	4.00	4.00	4.00			
IA11	100.00	100.00	95.00	100.00	90.00	90.00	100.00			
IA12	5.00	12.00	5.00	0.00	0.00	0.00	0.00			
IA13	1.23	4.00	3.70	180.00	8.25	6.33	1.26			
IA14	50.00	10.00	25.00	0.00	10.00	10.00	20.00			
IA15	0.81	0.25	0.27	0.56	0.12	0.16	0.79			
IA16	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA17	50.00	10.00	1000.00	50.00	12.50	16.67	200.00			
IA18	2.04	0.00	0.00	0.00	0.00	0.00	17.88			
IA19	56.04	55.84	54.00	66.16	49.45	49.09	49.64			

TABLE A-73 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
IFF TRANSPONDER SET (65A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	1.97	3.25	2.69	1.58	1.80	1.39	1.72			
IA20	24.53	88.30	33.05	12.42	27.87	19.80	7.01			
IA21	0.90	3.31	1.69	0.63	1.86	1.30	1.01			
IA22	0.01	0.00	0.00	0.00	0.00	0.00	0.00			
IA23	0.01	0.00	0.00	0.00	0.00	0.00	0.00			

TABLE A-74 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM IFF TRANSPONDER SET (65A00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	3.00	7.00	3.00	2.00	3.00	1.00	2.00			
IA03	14.30	29.00	31.00	14.40	20.00	20.00	30.00			
IA04	380.16	1844.00	1657.00	313.80	4320.00	4320.00	1208.00			
IA05	8.00	9.00	9.00	22.00	9.00	9.00	10.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	1.00	1.00	1.00	0.00	5.00	2.00	2.00			
IA08	3.00	4.00	4.00	3.00	4.00	4.00	4.00			
IA09	5.00	51.00	0.00	89.00	40.00	40.00	0.00			
IA10	6.00	4.00	3.00	4.00	4.00	4.00	4.00			
IA11	99.00	100.00	95.00	100.00	85.00	85.00	100.00			
IA12	1.00	10.00	0.00	2.00	10.00	10.00	0.00			
IA13	1.23	4.00	3.70	1.80	8.25	6.33	1.26			
IA14	75.00	20.00	0.00	5.00	25.00	25.00	40.00			
IA15	0.81	0.25	0.27	0.56	0.12	0.16	0.79			
IA16	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA17	50.00	10.00	1.00	5.00	10.00	10.00	0.00			
IA18	0.00	0.00	0.00	0.00	0.00	0.00	1.26			
IA19	65.00	27.18	32.33	79.30	8.00	8.00	42.90			

TABLE A-75 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADIO NAVIGATION - RECEIVERS (71C00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	0.59	0.59	0.91	VOID	0.81	0.62	1.12			
IA20	5.77	16.63	5.95	VOID	10.40	5.03	3.85			
IA21	0.48	0.59	0.94	VOID	0.76	0.61	0.88			
IA22	0.01	0.00	0.00	VOID	0.00	0.00	0.00			
IA23	0.01	0.00	0.00	VOID	0.00	0.00	0.00			

TABLE A-76 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM RADIO NAVIGATION - RECEIVERS (71C00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	3.00	3.00	3.00	VOID	1.00	1.00	2.00			
IA03	6.50	7.63	3.70	VOID	8.00	5.00	7.63			
IA04	167.62	287.98	95.00	VOID	304.50	1728.00	298.00			
IA05	10.00	5.00	3.00	VOID	1.00	2.00	4.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	1.00	1.00	1.00	VOID	4.00	2.00	2.00			
IA08	3.00	0.00	4.00	VOID	4.00	4.00	4.00			
IA09	0.00	10.00	0.00	VOID	10.00	8.00	0.00			
IA10	6.00	6.00	2.00	VOID	5.00	5.00	4.00			
IA11	99.00	90.00	95.00	VOID	100.00	100.00	100.00			
IA12	1.00	10.00	5.00	VOID	10.00	10.00	0.00			
IA13	1.23	4.00	370.00	VOID	1.50	2.00	1.26			
IA14	VOID	VOID	25.00	VOID	15.00	20.00	5.00			
IA15	0.81	0.25	0.27	VOID	0.12	0.32	0.79			
IA16	1.00	1.00	1.00	VOID	1.00	1.00	1.00			
IA17	1.00	10.00	10.00	VOID	5.00	5.00	0.00			
IA18	0.00	0.00	0.00	VOID	0.00	0.00	1.08			
IA19	67.01	45.78	67.30	VOID	45.40	5.00	44.24			

TABLE A-77 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADIO NAVIGATION - TACAN SETS (71D00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	4.07	1.63	15.16	0.00	5.13	7.72	2.39			
IA20	7.04	26.82	157.28	0.00	70.79	89.86	9.45			
IA21	1.35	2.16	9.53	0.00	5.24	5.09	2.19			
IA22	0.03	0.00	0.00	0.00	0.00	0.00	0.00			
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.04			

TABLE A-78 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM RADIO NAVIGATION - TACAN SETS (71D00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	3.00	2.00	3.00	2.00	1.00	1.00	2.00			
IA03	29.00	27.60	51.00	26.50	31.00	45.00	50.00			
IA04	364.00	889.50	1672.00	744.60	5011.00	5184.00	1434.10			
IA05	11.00	8.00	11.00	0.00	1.00	10.00	14.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	2.00	2.00	2.00	4.00	1.00	2.00	2.00			
IA08	3.00	3.00	3.00	4.00	4.00	4.00	4.00			
IA09	0.00	55.00	0.00	0.00	0.00	50.00	0.00			
IA10	6.00	5.00	3.00	4.00	4.00	6.00	4.00			
IA11	99.00	98.00	98.00	85.00	100.00	100.00	100.00			
IA12	1.00	10.00	0.00	10.00	0.00	5.00	0.00			
IA13	1.23	4.00	3.70	1.80	8.25	6.33	1.26			
IA14	50.00	1.00	5.00	10.00	VOID	20.00	15.00			
IA15	0.81	0.25	0.27	0.56	0.12	0.16	0.79			
IA16	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA17	10.00	66.67	1.00	25.00	0.00	20.00	50.00			
IA18	0.85	3.80	0.00	0.00	0.00	0.00	0.98			
IA19	58.00	54.92	52.71	61.50	10.69	15.00	60.25			

TABLE A-79 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADIO NAVIGATION - ATTITUDE HEADING (71F00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	0.93	2.47	0.03	0.26	2.77	2.47	2.41			
IA20	14.38	33.38	0.11	2.75	10.72	9.29	9.48			
IA21	1.03	3.44	0.00	0.37	2.08	1.08	2.71			
IA22	0.00	0.03	0.00	0.00	0.00	0.00	0.22			
IA23	0.00	0.06	0.00	0.00	0.00	0.00	0.00			

TABLE A-80 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
PARAMETER INPUT DATA - SUBSYSTEM
RADIO NAVIGATION - ATTITUDE HEADING (71F00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	3.00	2.00	3.00	2.00	6.00	1.00	6.00			
IA03	13.90	10.30	14.10	15.00	7.00	7.00	20.00			
IA04	271.46	324.11	332.82	768.00	250.00	250.00	4.32			
IA05	1.00	1.00	3.00	1.00	1.00	1.00	1.00			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	1.00	1.00	1.00	2.00	1.00	1.00	1.00			
IA08	5.00	0.00	4.00	0.00	2.00	2.00	4.00			
IA09	0.00	0.00	0.00	0.00	0.00	0.00	1.00			
IA10	6.00	6.00	4.00	0.00	VOID	5.00	4.00			
IA11	100.00	90.00	100.00	95.00	90.00	90.00	100.00			
IA12	2.00	5.00	10.00	0.00	20.00	20.00	50.00			
IA13	1.23	4.00	4.07	1.80	8.25	6.33	0.82			
IA14	60.00	60.00	85.00	VOID	0.00	0.00	25.00			
IA15	0.81	0.25	0.27	0.56	0.12	0.16	0.79			
IA16	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
IA17	100.00	66.67	10.00	10.00	16.70	16.70	0.00			
IA18	0.00	3.80	0.00	0.00	0.00	0.00	16.98			
IA19	88.48	54.92	73.21	33.75	48.38	48.38	80.00			

TABLE A-81 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADAR NAVIGATION - RADAR SETS (74F00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA01	7.86	12.50	12.66	0.05	8.34	6.23	VOID			
IA20	123.41	161.00	102.32	0.05	218.66	94.55	VOID			
IA21	4.31	5.97	8.09	0.00	7.96	5.20	VOID			
IA22	0.01	0.00	0.00	0.00	0.00	0.00	VOID			
IA23	0.01	0.00	0.00	0.00	0.00	0.00	VOID			

TABLE A-82 SEVEN AIRCRAFT COMPOSITE PHASE I EQUIPMENT PARAMETER INPUT DATA - SUBSYSTEM RADAR NAVIGATION - RADAR SETS (74F00)

VARIABLE I.D. NUMBER	F-15A LUKE AFB	FB-111A PLATTSBURG AFB	C-141A TRAVIS AFB	A-10A MYRTLE BEACH AFB	B-52G COMPOSITE	KC-135A COMPOSITE	T-38A COMPOSITE			
IA02	2.00	2.00	5.00	7.00	3.00	3.00	VOID			
IA03	173.70	99.50	74.00	3.30	75.00	80.00	VOID			
IA04	5329.00	5200.00	5653.80	39.40	7776.00	7776.00	VOID			
IA05	20.00	16.00	6.00	7.00	9.00	12.00	VOID			
IA06	VOID	VOID	VOID	VOID	VOID	VOID	VOID			
IA07	3.00	2.00	2.00	1.00	2.00	4.00	VOID			
IA08	4.00	1.00	3.00	4.00	4.00	9.00	VOID			
IA09	0.00	50.00	0.00	25.00	6.00	15.00	VOID			
IA10	6.00	6.00	3.00	2.00	5.00	5.00	VOID			
IA11	95.00	45.00	100.00	25.00	100.00	100.00	VOID			
IA12	5.00	50.00	0.00	75.00	0.00	7.50	VOID			
IA13	1.23	4.00	3.70	VOID	8.25	6.33	VOID			
IA14	20.00	22.50	5.00	VOID	10.00	5.00	VOID			
IA15	0.81	0.25	0.27	0.01	0.12	0.16	VOID			
IA16	1.00	1.00	1.00	0.01	1.00	1.00	VOID			
IA17	100.00	200.00	1.00	0.00	200.00	40.00	VOID			
IA18	0.00	0.25	0.25	0.00	0.00	0.00	VOID			
IA19	56.32	34.73	116.76	144.73	16.67	17.78	VOID			

TABLE A-83 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - RADOME (11DCJ)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IR01	0.48	1.47	0.29	0.60	1.13	2.29	0.71	3.00	0.43	0.80
IR02	2.06	9.13	0.59	4.21	6.06	4.91	2.66	30.32	7.44	3.22
IR03	0.03	0.27	0.00	0.07	0.13	0.00	0.00	0.50	0.00	0.33
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.07	0.00	0.57	0.07	0.-0	0.00	0.00	0.00	0.00	0.00

TABLE A-84 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - WINDSHIELD (11DCG)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.17	0.20	0.07	0.20	0.00	0.07	0.14	0.21	0.00	0.07
IR02	4.64	1.33	0.30	4.09	2.85	0.54	1.74	1.54	0.07	1.39
IR03	0.72	0.07	0.00	0.07	0.13	0.00	0.00	0.00	0.00	0.07
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-85 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
WINGS

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	93.66	29.00	71.43	35.27	50.00	56.29	51.79	58.71	46.64	30.47
IR02	293.16	157.27	353.04	103.70	330.98	196.73	155.68	157.89	281.26	127.31
IR03	3.38	5.27	1.71	1.13	15.73	1.57	8.29	5.00	9.36	5.13
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.76	0.53	0.00	0.00	0.13	0.36	0.00	0.00	0.29	0.07

TABLE A-86 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
SEATS (12AAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.21	0.80	0.43	0.33	1.07	0.14	0.07	0.43	0.21	0.80
IR02	11.17	6.47	5.54	2.48	11.08	5.52	9.06	4.89	11.79	4.05
IR03	1.93	1.33	1.14	0.27	0.73	0.86	1.71	0.43	1.07	0.33
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-87 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
TIRE AND WHEEL (13CG0)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	7.90	13.47	19.50	8.67	12.33	13.36	1.14	18.00	20.14	4.33
IR02	60.14	151.44	269.99	225.95	162.09	187.84	133.39	175.06	141.04	40.49
IR03	5.14	10.20	38.07	17.27	13.60	10.71	17.36	20.79	16.43	8.20
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.07	0.13

TABLE A-88 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
BRAKES (13EEP)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	8.72	19.07	27.64	10.93	177.67	51.93	5.86	12.57	24.86	2.73
IR02	72.11	101.27	35.75	103.55	101.51	114.55	81.88	115.51	94.72	32.54
IR03	2.52	2.80	4.29	3.53	2.67	3.79	1.93	2.21	2.36	1.27
IR04	0.00	0.00	0.07	0.00	0.00	0.00	0.07	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
IR06	0.00	0.00	0.21	0.07	0.07	0.00	0.00	0.00	0.21	0.00

TABLE A-89 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HORIZONTAL STABILIZER (HSTAB)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.10	0.13	0.07	0.13	0.87	0.29	0.64	0.43	0.14	0.00
IR02	1.47	0.46	0.06	0.52	0.91	1.29	0.56	0.56	0.24	0.00
IR03	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-90 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RUDDER ASSEMBLY (14BGA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.21	0.07	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
IR02	4.09	7.60	0.54	0.27	0.00	0.04	0.00	0.00	0.00	0.00
IR03	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-91 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FLAP ASSEMBLY (14E00)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	9.66	3.93	10.79	8.33	6.20	3.14	5.43	3.21	4.14	6.60
IR02	21.44	51.80	44.11	25.33	68.13	26.13	17.04	27.74	10.43	10.15
IR03	0.14	0.67	0.36	0.33	2.13	0.14	0.14	0.79	0.14	1.13
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.13	0.00	0.07	0.27	0.07	0.00	0.00	0.07	0.00

TABLE A-92 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ENGINE (23000)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IP01	626.52	496.73	1204.71	400.00	375.73	510.86	376.50	481.86	383.57	642.28
IP17	162.94	156.06	228.92	145.07	151.65	175.43	157.80	152.96	146.83	174.16
IP18	305.53	194.17	348.14	125.15	107.83	229.36	189.42	191.10	162.08	247.98
IP19	131.59	125.20	245.57	60.93	36.40	129.29	87.89	79.86	41.00	148.00
IP20	0.03	0.00	1.29	0.27	0.40	0.07	0.21	0.07	0.00	0.14
IP21	0.03	0.00	0.14	0.00	0.13	0.00	0.14	0.00	0.00	0.00

TABLE A-93 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
WATER SEPARATOR (41ADA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.45	0.73	0.07	0.20	0.40	0.43	0.29	0.71	0.93	0.60
IR02	15.13	11.81	1.87	1.40	4.05	6.69	2.72	8.29	8.92	2.18
IR03	0.83	0.67	0.14	0.07	0.20	0.36	0.07	0.57	0.71	0.13
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.03	0.07	0.00	0.00	0.20	0.00	0.07	0.00	0.21	0.00

TABLE A-94 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
GENERATOR ASSY (42BAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	4.83	8.40	11.64	8.30	5.87	3.43	2.00	2.50	3.64	3.40
IR02	23.11	52.34	30.66	42.10	63.42	35.16	29.79	19.64	39.98	37.58
IR03	1.07	2.00	1.79	1.73	3.13	2.57	0.86	0.71	1.79	3.00
IR04	0.00	0.00	0.00	0.70	0.20	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
IR06	0.00	0.07	0.21	0.13	0.00	0.14	0.14	0.07	0.36	0.00

TABLE A-95 B-52G PHASE II EQUIPMENT
NRD PARAMETER INPUT DATA - SUBSYSTEM
ANTI COLLISION LIGHTS (44AAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.66	1.67	2.00	0.87	1.33	2.00	0.71	2.07	1.57	1.33
IR02	4.85	6.70	7.93	5.08	6.59	21.78	2.97	6.94	3.71	4.76
IR03	0.10	1.07	0.00	0.20	0.33	0.21	0.07	0.21	0.29	0.07
IR04	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.70	0.07	0.00	0.00	0.21	0.29	0.14	0.07	0.00	0.13

TABLE A-96 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LANDING/TAXI LIGHTS (44A00)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.62	2.73	2.29	2.13	2.07	2.86	3.00	1.79	2.21	0.80
IR02	1.07	10.69	4.08	5.23	8.99	6.37	5.76	3.49	8.01	2.62
IR03	0.00	2.40	0.07	0.20	1.20	0.21	0.21	0.14	1.29	0.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.20	0.07	0.00	0.07	0.43	0.00	0.07	0.14	0.53

TABLE A-97 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HYDRAULIC PUMP (45C00)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	10.62	14.87	23.64	11.60	10.13	9.93	12.50	6.57	4.29	6.00
IR02	95.70	53.69	69.49	65.66	56.80	95.55	88.09	73.87	56.27	39.88
IR03	4.17	1.20	2.07	2.00	1.60	4.57	2.36	2.07	1.71	15.00
IR04	0.00	0.00	0.14	0.00	0.07	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.21	0.07	2.14	0.53	0.00	0.79	0.14	0.36	0.43	0.07

TABLE A-98 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FUEL TANKS (46F00)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	14.59	5.27	7.29	1.53	7.60	23.43	9.36	25.64	0.36	5.53
IR02	66.52	94.31	50.06	80.19	73.83	165.90	92.94	102.69	11.60	99.56
IR03	0.07	0.60	0.57	0.73	0.13	0.21	0.00	0.21	0.29	0.13
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-99 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
OXYGEN REGULATOR (47ACA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	2.00	1.00	4.71	2.47	2.67	2.43	2.14	2.86	1.57	1.27
IR02	20.44	9.88	71.35	13.76	20.89	15.84	22.53	33.39	11.57	5.00
IR03	1.83	0.93	3.93	2.00	2.47	1.64	2.21	2.00	1.14	0.80
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.31	0.07	2.21	0.40	0.27	0.36	0.64	0.07	0.29	0.33

TABLE A-100 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LOX CONVERTER (47AAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	5.21	4.33	5.86	4.80	4.27	6.50	2.14	1.79	2.64	1.47
IR02	59.08	38.09	44.15	26.31	25.13	43.39	24.01	19.23	24.42	5.49
IR03	2.14	2.20	2.00	2.33	1.87	4.14	1.43	1.00	2.14	1.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07

TABLE A-101 B-52G PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ENGINE FIRE DETECTION (49BAD)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	2.14	1.13	1.14	2.07	1.40	0.50	0.43	1.07	1.29	0.80
IR02	3.77	3.47	3.77	6.37	3.33	1.00	0.97	2.35	4.86	5.04
IR03	0.00	0.07	0.07	0.00	0.07	0.07	0.07	0.00	0.14	0.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13

TABLE A-102 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ALTIMETER (51AAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	0.97	1.33	2.50	0.93	2.73	1.64	1.43	1.86	0.79	1.42
IA20	3.60	5.74	8.06	3.60	10.58	5.63	6.65	8.76	6.73	9.88
IA21	0.72	0.93	1.07	0.13	1.47	1.07	1.07	1.64	0.79	1.14
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-103 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
AIR DATA SYSTEM (73CCA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	1.45	1.53	2.29	1.13	2.13	2.29	1.50	2.65	1.64	6.00
IA20	11.40	12.85	18.30	15.50	16.81	20.76	16.06	23.39	11.33	59.72
IA21	1.07	1.40	2.36	1.07	1.20	1.50	0.86	2.64	1.79	4.42
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-104 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HSI (71AFJ)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	2.52	3.40	4.50	3.73	2.87	2.50	2.36	4.36	1.71	2.00
IA20	13.06	14.73	17.05	24.57	15.64	12.13	10.80	19.17	14.44	9.00
IA21	2.34	1.73	3.64	3.40	3.00	1.64	1.93	4.29	1.71	2.00
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-105 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
AUTO PILOT (52ABB)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	5.97	2.80	9.79	4.27	5.07	3.00	8.00	7.21	4.21	7.00
IA20	50.80	22.55	119.14	40.05	65.06	57.31	124.50	63.50	48.71	53.30
IA21	5.62	3.07	11.29	5.33	5.67	4.57	9.57	8.21	5.71	8.14
IA22	0.00	0.00	0.00	0.00	0.00.	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-106 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
UHF COMMUNICATION (63BAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	10.48	6.07	8.50	6.60	5.13	8.71	5.93	6.79	7.36	5.28
IA20	83.15	87.18	98.03	84.21	58.58	153.27	87.27	91.39	111.01	79.08
IA21	6.28	4.93	6.00	5.00	4.60	6.07	5.14	5.86	6.43	3.86
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-107 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
IFF (65BAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	2.03	1.13	2.93	0.47	2.07	2.65	1.57	2.50	1.21	1.42
IA20	20.48	17.45	23.51	8.24	44.47	32.10	51.34	37.78	20.76	22.60
IA21	1.55	1.00	2.50	0.66	2.73	2.43	1.43	3.21	1.65	1.42
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-108 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RECEIVER (71ABC)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	0.41	1.07	1.21	0.67	1.13	1.07	1.14	1.14	0.29	0.00
IA20	4.59	9.31	11.54	8.97	23.49	9.74	22.14	11.29	2.45	0.48
IA21	0.41	1.00	0.79	0.87	1.00	1.14	1.21	0.93	0.14	0.14
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-109 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADIO NAVIGATION (71ADA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	4.41	4.80	4.07	3.4,	4.87	6.36	4.57	9.07	6.29	3.42
IA20	56.53	49.69	40.72	38.87	84.81	79.05	132.49	102.34	66.75	56.62
IA21	4.07	4.40	4.21	4.87	4.47	7.64	5.07	8.86	5.36	3.42
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-110 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
GYROSCOPE (51AND)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	2.10	1.80	4.07	2.87	3.67	3.07	1.17	3.50	2.14	2.72
IA20	8.13	7.03	10.62	10.51	17.87	11.41	6.99	14.63	10.16	9.84
IA21	1.55	1.27	2.14	2.40	3.47	2.50	0.86	2.93	1.14	2.58
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-111 B-52G PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADAR (73CFK)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	7.69	9.13	12.93	9.07	4.80	7.00	8.36	7.64	9.21	7.58
IA20	174.27	356.58	240.19	218.47	161.21	229.12	211.47	183.16	165.87	246.22
IA21	6.90	20.07	13.29	6.93	5.73	6.64	7.36	7.07	8.93	6.72
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-112 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - RADOME (1111J)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	3.50	0.08	0.81	0.15	0.77	0.41	0.92	0.23	0.69	0.79
IR02	3.41	0.39	5.96	7.36	4.04	1.31	1.74	1.58	6.96	24.00
IR03	0.29	0.08	1.74	3.26	0.62	0.00	0.08	0.15	0.00	4.79
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-113 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - WINDSHIELD (1114H)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	1.67	2.00	0.97	2.93	8.54	0.52	2.38	1.54	3.54	2.00
IR02	9.58	12.91	13.51	5.53	24.32	11.00	10.37	36.24	9.68	14.08
IR03	0.29	0.00	0.87	0.22	0.46	0.52	0.08	0.31	0.51	0.50
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-114 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
WINGS (WINGS)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	141.58	40.00	42.74	59.48	65.31	26.00	47.38	40.00	55.00	45.14
IR02	166.79	89.49	129.77	105.34	151.13	70.53	94.88	107.12	303.28	119.69
IR03	0.96	0.67	0.48	0.85	1.38	0.63	1.77	0.54	1.62	2.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
IR06	0.04	0.00	0.71	0.00	0.00	0.04	0.15	0.00	0.15	0.00

TABLE A-115 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
SEATS (12AA0)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.79	0.67	0.74	1.33	1.62	0.81	2.92	0.77	1.00	4.79
IR02	1.63	1.07	3.75	1.90	8.68	2.77	4.21	3.98	5.00	9.68
IR03	0.13	0.08	0.19	0.11	0.08	0.04	0.38	0.00	0.23	1.07
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.13	0.00	0.38	0.15	0.00	0.00	0.00	0.36

TABLE A-116 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
TIRE AND WHEEL (13A00)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	4.83	14.92	13.35	8.04	12.23	9.15	4.15	10.15	18.62	6.71
IR02	54.65	105.46	150.13	162.32	157.77	169.16	86.34	95.35	124.53	62.43
IR03	9.00	9.67	26.48	12.78	17.77	10.89	12.15	13.54	13.54	15.93
IR04	0.00	0.08	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-117 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
BRAKES (13CA0)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	9.08	10.25	28.32	16.70	60.00	42.81	5.08	2.00	22.77	2.43
IR02	60.11	55.19	97.06	44.90	60.83	55.53	62.36	55.82	59.48	38.49
IR03	2.71	2.17	3.29	1.59	3.15	0.00	1.92	1.62	3.38	1.79
IR04	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.07
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.62	0.14

TABLE A-118 KC-135A PHASE II EQUIPMENT
MRD PARAMTER INPUT DATA - SUBSYSTEM
HORIZONTAL STABILIZER (H.STAB)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	11.71	9.83	2.94	5.85	2.92	4.04	4.31	1.31	1.23	2.57
IR02	23.82	10.75	6.94	10.36	8.09	9.14	4.81	1.82	2.65	3.79
IR03	0.00	0.00	0.00	0.00	0.00	0.07	0.08	0.00	0.00	0.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-119 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RUDDER ASSEMBLY (14BFO)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.75	0.58	0.71	0.52	0.85	0.85	0.38	0.15	0.08	2.43
IR02	2.21	2.06	7.69	1.38	0.88	4.19	1.37	0.27	0.31	4.39
IR03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.07
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-120 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FLAP ASSEMBLY (14E00)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	16.96	7.67	6.10	11.07	18.85	6.07	12.54	8.77	7.08	19.36
IR02	49.63	60.38	105.86	34.51	66.22	44.46	43.02	46.93	33.96	56.77
IR03	0.25	0.50	0.65	0.26	0.46	0.48	0.85	0.77	0.23	1.14
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.13	0.00	0.00	0.04	0.08	0.00	0.08	0.00	0.08	0.00

TABLE A-121 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ENGINE (23000)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IP01	358.96	467.00	530.36	215.85	446.46	301.44	450.31	169.31	155.92	408.21
IP17	165.29	144.25	185.67	111.77	167.72	128.51	157.99	125.43	121.50	144.96
IP18	1923.76	1445.49	2261.38	770.62	1070.14	1302.41	1654.02	1011.26	944.43	1425.99
IP19	79.79	71.58	114.48	54.96	32.38	125.44	73.74	47.15	26.77	79.35
IP20	0.08	0.16	0.94	0.07	0.54	0.15	0.23	0.15	0.46	0.07
IP21	0.08	0.08	0.00	0.07	0.08	0.22	0.15	0.01	0.00	0.00

TABLE A-122 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
WATER SEPARATOR (41214)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.25	0.08	0.06	0.00	0.15	0.22	0.08	0.00	0.38	0.07
IR02	0.99	0.18	0.68	0.15	1.65	0.67	0.35	0.00	1.86	1.36
IR03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.21
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00

TABLE A-123 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
GENERATOR ASSY (4215L)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTSMITH AFB
IR01	5.67	2.58	2.23	3.30	3.46	2.41	0.46	2.23	2.15	2.07
IR02	12.69	20.58	20.74	16.24	46.12	20.29	10.43	11.07	16.96	20.18
IR03	0.42	1.17	2.42	0.93	3.92	1.37	0.77	0.69	1.46	1.43
IR04	0.00	0.00	0.13	0.00	0.15	0.00	0.00	0.00	0.08	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-124 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ANTI COLLISION LIGHTS (44250)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.42	0.17	0.39	0.70	0.38	0.19	0.54	0.08	0.23	0.00
IR02	3.84	1.58	2.02	0.36	1.88	1.46	1.65	0.34	1.23	0.29
IR03	0.29	0.00	0.03	0.00	0.15	0.15	0.00	0.00	0.08	0.07
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-125 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LANDING/TAXI LIGHTS (44200)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	1.21	0.92	1.35	0.89	2.54	0.63	0.46	0.54	0.54	0.43
IR02	2.29	3.92	3.49	2.21	5.35	1.53	0.68	1.32	1.28	1.26
IR03	0.17	0.92	0.13	0.15	0.15	0.07	0.00	0.08	0.00	0.21
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-126 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HYDRAULIC PUMP (45110)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	3.25	10.33	8.55	4.52	4.15	2.07	5.38	1.77	0.62	8.43
IR02	30.10	41.78	32.80	31.87	20.69	17.57	37.08	26.22	17.04	47.31
IR03	2.13	0.92	1.50	1.30	0.69	0.44	1.00	0.85	1.00	1.50
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.08	0.00	0.16	0.00	0.00	0.00	0.32	0.08	0.08	0.00

TABLE A-127 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FUEL TANKS (46XXX)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	21.79	4.50	23.26	2.04	9.77	13.56	12.77	16.77	0.46	4.43
IR02	83.06	40.31	51.86	61.02	105.30	93.56	51.07	152.33	19.42	55.78
IR03	0.08	0.08	0.26	0.26	0.23	0.00	0.00	0.15	0.00	0.00
IR04	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.00	0.00

TABLE A-128 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
OXYGEN REGULATOR (47111)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	0.83	1.42	0.26	0.48	0.31	1.67	0.38	0.23	0.15	0.29
IR02	4.71	6.87	2.65	2.45	3.44	5.81	1.69	1.25	0.97	0.60
IR03	0.08	0.17	0.16	0.19	0.15	0.56	0.08	0.08	0.00	0.00
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00

TABLE A-129 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LOX CONVERTER (47131)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	3.25	1.83	4.19	2.00	1.46	1.41	1.00	1.85	2.92	0.93
IR02	18.50	15.08	29.17	8.57	10.26	6.47	6.33	12.75	20.65	3.67
IR03	1.75	2.17	2.10	1.67	1.08	0.85	0.77	1.15	3.62	0.57
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRG5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-130 KC-135A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ENGINE FIRE DETECTION (49421)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IR01	17.17	17.42	35.06	10.41	15.62	6.26	1.38	13.92	2.77	13.07
IR02	29.29	34.09	28.63	16.80	29.32	10.86	2.26	18.70	7.72	35.24
IR03	0.79	6.83	4.06	2.11	3.77	0.63	0.08	1.69	0.62	4.64
IR04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR05	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IR06	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-131 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ALTIMETER (51132)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	0.33	0.08	1.06	0.44	0.46	0.26	0.08	0.23	0.31	0.21
IA20	0.64	0.42	2.83	1.50	1.72	0.94	0.85	0.92	1.72	0.79
IA21	0.08	0.08	0.26	0.19	0.23	0.04	0.15	0.08	0.08	0.07
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-132 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
AIR DATA SYSTEM (51BA0)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	0.54	0.92	1.29	0.96	2.15	0.52	0.31	0.85	1.08	1.00
IA20	2.84	5.28	5.55	3.96	11.65	2.66	4.39	4.02	3.75	7.14
IA21	0.13	0.42	0.55	0.37	0.92	0.22	0.38	0.77	0.38	0.50
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-133 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HSI (51AAD)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	2.38	1.92	3.48	0.93	2.54	1.11	1.69	2.46	1.31	1.00
IA20	10.56	10.55	12.7	4.04	11.71	4.86	8.27	7.61	8.78	3.54
IA21	2.00	1.42	2.74	0.74	2.23	0.85	1.62	1.92	1.38	1.00
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-134 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
AUTO PILOT (52111)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	2.67	1.00	3.94	1.07	2.77	1.11	3.77	3.31	0.62	1.93
IA20	25.08	10.40	49.31	13.79	38.13	18.90	40.88	28.23	12.52	18.36
IA21	2.38	1.17	4.81	1.74	2.54	1.56	3.39	3.85	1.31	2.07
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-135 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
UHF COMMUNICATION (63AFO)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	8.42	6.67	8.90	18.07	9.46	11.07	20.15	14.69	4.00	8.07
IA20	54.28	122.96	76.47	142.63	95.94	150.11	247.57	75.18	38.82	80.22
IA21	3.83	4.33	5.19	9.70	5.77	7.52	11.00	3.85	8.54	5.14
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-136 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
IFF (65BAA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	1.46	1.42	2.90	0.48	0.77	1.82	0.62	1.00	1.46	2.00
IA20	14.67	16.63	28.98	4.36	25.75	21.13	24.83	10.53	22.67	28.44
IA21	1.00	1.25	2.39	0.30	1.23	1.78	0.77	1.15	7.77	1.36
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-137 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RECEIVER (71BCF)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	0.83	0.33	0.74	0.04	0.85	0.07	2.31	0.77	0.08	0.21
IA20	0.21	3.03	3.28	0.73	9.24	1.94	23.88	5.46	1.39	1.14
IA21	0.00	0.33	0.84	0.07	0.85	0.15	2.69	0.77	0.08	0.29
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-133 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADIO NAVIGATION (71CAO)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	7.04	6.50	11.61	4.30	5.92	11.12	5.85	8.15	8.38	8.36
IA20	80.53	68.58	98.23	47.39	111.42	117.40	96.85	76.84	98.68	102.92
IA21	4.89	3.83	6.42	2.78	4.85	6.56	3.46	6.15	6.08	5.86
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-139 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
GYROSCOPE (51142)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	2.38	2.92	4.42	1.78	2.00	1.85	2.08	4.23	1.54	1.50
IA20	8.20	10.36	13.81	6.20	10.85	6.53	10.42	13.01	8.95	4.57
IA21	1.79	1.83	2.71	1.15	1.77	1.41	1.92	3.46	1.00	1.00
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-140 KC-135A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADAR (72BDA)

VARIABLE I.D. NUMBER	BARKSDALE AFB	BLYTHEVILLE AFB	CASTLE AFB	FAIRCHILD AFB	GRIFFISS AFB	LORING AFB	MATHER AFB	ROBINS AFB	SEYMOUR JOHNSON AFB	WURTHSMITH AFB
IA01	7.33	6.67	8.32	4.81	4.31	5.48	4.77	7.46	8.46	4.64
IA20	85.53	104.10	105.46	60.04	151.71	66.08	124.28	79.65	94.12	74.48
IA21	4.83	6.00	6.61	4.37	4.08	4.85	5.00	5.92	6.46	3.86
IA22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IA23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-141 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - RADOME (11515)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
R01	1.06	0.35	1.48	1.37	2.14					
IR02	3.28	1.39	3.68	3.26	1.06					
IR03	0.18	0.21	0.43	1.27	0.41					
IR04	0.00	0.00	0.00	0.00	0.00					
IR05	0.00	0.00	0.00	0.00	0.00					
IR06	0.00	0.00	0.00	0.00	0.00					

TABLE A-142 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FORWARD FUSELAGE - WINDSHIELD (11100)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.95	0.47	0.73	1.17	0.27					
IR02	12.61	10.81	3.38	7.85	4.16					
IR03	1.60	1.09	1.24	2.04	1.07					
IR04	0.00	0.00	0.00	0.00	0.00					
IR05	0.00	0.00	0.00	0.00	0.00					
IR06	0.00	0.04	0.00	0.02	0.00					

TABLE A-143 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
WINGS (WINGS)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	12.24	4.54	5.95	3.67	4.32					
IR02	69.03	18.26	18.24	10.45	23.37					
IR03	5.11	3.56	2.09	0.54	2.59					
IR04	0.02	0.01	0.01	0.00	0.00					
IR05	0.00	0.00	0.00	0.00	0.00					
IR06	0.18	0.01	0.00	0.02	0.00					

TABLE A-144 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
SEATS (12100)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.52	0.05	0.49	1.25	0.16					
IR02	13.25	10.96	14.98	9.38	9.55					
IR03	3.82	2.04	4.95	3.52	3.15					
IR04	0.00	0.00	0.00	0.00	0.00					
IR05	0.00	0.00	0.00	0.00	0.00					
IR06	0.00	0.00	0.00	0.00	0.00					

TABLE A-145 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
TIRE AND WHEEL (13800)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	23.76	38.38	29.78	0.92	21.09					
IR02	73.76	56.31	32.64	16.25	33.55					
IR03	40.13	18.09	23.64	42.35	38.18					
IR04	0.00	0.05	0.00	0.02	0.03					
IR05	0.00	0.00	0.00	0.00	0.02					
IR06	0.00	0.00	0.00	0.00	0.00					

TABLE A-146 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
BRAKES (13611)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	13.96	6.27	17.19	5.54	5.91					
IR02	51.28	37.60	49.18	21.42	16.09					
IR03	7.47	2.33	2.86	4.12	2.33					
IR04	0.08	0.01	0.02	0.23	0.09					
IR05	0.02	0.00	0.01	0.01	0.00					
IR06	0.37	0.03	0.00	0.00	0.00					

TABLE A-147 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HORIZONTAL STABILIZER (14210)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	1.61	1.51	1.42	0.19	0.98					
IR02	20.89	12.17	8.55	4.34	11.72					
IR03	0.24	0.85	0.36	0.12	0.26					
IR04	0.00	0.01	0.00	0.00	0.02					
IR05	0.02	0.00	0.00	0.00	0.03					
IR06	0.08	0.00	0.00	0.00	0.05					

TABLE A-148 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RUDDER ASSEMBLY (14310)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.82	0.83	7.20	0.65	0.36					
IR02	7.34	5.08	3.91	3.10	2.47					
IR03	0.40	0.23	0.16	0.27	0.16					
IR04	0.00	0.00	0.00	0.00	0.00					
IR05	0.01	0.00	0.00	0.02	0.00					
IR06	0.01	0.00	0.00	0.04	0.00					

TABLE A-149 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FLAP ASSEMBLY (14510)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	1.11	0.67	1.65	1.98	0.51					
IR02	3.01	9.55	7.84	7.80	6.22					
IR03	2.05	0.94	1.04	1.56	0.75					
IR04	0.04	0.00	0.00	0.00	0.00					
IR05	0.00	0.00	0.00	0.04	0.01					
IR06	0.00	0.00	0.00	0.00	0.01					

TABLE A-150 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ENGINE (23000)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IP01	103.98	141.16	264.63	179.50	150.80					
IP17	113.09	76.96	81.86	56.81	71.79					
IP18	83.48	44.85	60.01	34.22	53.99					
IP19	34.24	39.41	45.28	54.19	111.08					
IP20	2.60	1.21	1.18	3.48	2.77					
IP21	1.02	0.51	0.39	1.10	1.11					

TABLE A-151 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
WATER SEPARATOR (41133)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	1.46	0.16	0.06	0.62	0.08					
IR02	2.45	0.50	0.94	0.76	0.30					
IR03	0.43	0.09	0.23	0.10	0.03					
IR04	0.01	0.01	0.00	0.00	0.00					
IR05	0.00	0.01	0.00	0.00	0.00					
IR06	0.00	0.00	0.00	0.00	0.00					

TABLE A-152 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
GENERATOR ASSEMBLY (42100)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	3.58	2.71	3.42	2.48	2.59					
IR02	19.52	14.67	17.59	10.34	9.97					
IR03	1.54	0.74	0.18	0.87	0.14					
IR04	0.11	0.00	0.00	0.02	0.08					
IR05	0.01	0.01	0.00	0.02	0.07					
IR06	0.04	0.03	0.05	0.00	0.00					

TABLE A-153 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUSBSYSTEM
ANTI COLLISION LIGHTS (44110)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	1.82	1.72	2.18	1.88	2.65					
IR02	4.13	4.30	5.60	5.91	4.56					
IR03	0.48	0.43	0.66	1.23	0.95					
IR04	0.00	0.00	0.00	0.06	0.02					
IR05	0.00	0.00	0.00	0.00	0.00					
IR06	0.00	0.00	0.00	0.06	0.00					

TABLE A-154 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LANDING/TAXI LIGHTS (44114)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	1.70	1.95	1.55	2.21	3.32					
IR02	9.40	6.22	4.99	8.54	7.12					
IR03	0.52	0.16	0.41	0.92	1.31					
IR04	0.04	0.02	0.00	0.04	0.07					
IR05	0.01	0.00	0.00	0.06	0.01					
IR06	0.08	0.05	0.00	0.06	0.02					

TABLE A-155 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HYDRAULIC PUMP (45120)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.42	0.68	2.39	0.10	0.42					
IR02	8.38	9.08	11.58	7.14	5.95					
IR03	2.16	0.98	1.10	1.38	0.92					
IR04	0.01	0.00	0.01	0.00	0.00					
IR05	0.00	0.00	0.01	0.00	0.08					
IR06	0.02	0.01	0.00	0.00	0.02					

TABLE A-156 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
FUEL TANKS (46120)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.16	0.33	0.24	0.13	1.11					
IR02	11.41	17.17	6.65	20.31	27.72					
IR03	0.13	0.35	0.30	0.38	0.69					
IR04	0.00	0.00	0.00	0.00	0.00					
IR05	0.00	0.00	0.00	0.00	0.00					
IR06	0.00	0.00	0.00	0.00	0.05					

TABLE A-157 T-38M PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
OXYGEN REGULATOR (47115)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.88	0.85	0.68	0.60	0.81					
IR02	4.63	3.69	3.61	3.62	3.73					
IR03	1.90	1.42	1.18	1.13	1.10					
IR04	0.06	0.02	0.00	0.10	0.09					
IR05	0.01	0.00	0.00	0.02	0.01					
IR06	0.02	0.12	0.01	0.00	0.17					

TABLE A-158 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
LOX CONVERTER (47111)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.69	0.29	0.15	0.65	0.38					
IR02	2.24	2.98	9.19	3.70	3.55					
IR03	0.37	0.29	0.09	0.26	0.31					
IR04	0.02	0.00	0.00	0.02	0.03					
IR05	0.02	0.00	0.00	0.00	0.0U					
IR06	0.01	0.00	0.00	0.00	0.00					

TABLE A-159 T-38A PHASE II EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ENGINE FIRE DETECTION (49110)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IR01	0.17	0.26	0.14	0.46	0.09					
IR02	0.46	1.13	1.92	2.13	1.57					
IR03	0.11	0.22	0.42	0.07	0.32					
IR04	0.04	0.01	0.00	0.02	0.02					
IR05	0.00	0.01	0.01	0.00	0.11					
IR06	0.00	0.01	0.00	0.00	0.00					

TABLE A-160 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
ALTIMETER (51116)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	1.14	1.47	1.97	0.44	2.47					
IA20	2.74	4.31	4.93	2.11	5.28					
IA21	0.65	0.97	1.13	0.42	1.48					
IA22	0.00	0.01	0.06	0.02	0.01					
IA23	0.00	0.00	0.00	0.00	0.00					

TABLE A-161 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
AIR DATA SYSTEM (5131A)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	0.09	0.93	0.60	0.67	0.44					
IA20	5.41	2.58	2.52	1.78	2.21					
IA21	0.82	0.49	0.62	0.33	0.44					
IA22	0.00	0.00	0.00	0.00	0.00					
IA23	0.00	0.00	0.00	0.00	0.00					

TABLE A-162 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
HSI (51213)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	1.67	1.76	1.57	1.50	2.17					
IA21	6.28	5.42	4.35	6.32	5.70					
IA21	1.78	1.47	1.46	1.65	1.65					
IA22	0.02	0.04	0.03	0.17	0.02					
IA23	0.00	0.00	0.00	0.00	0.00					

TABLE A-163 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
AUTO PILOT (52117)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	0.34	0.55	1.15	0.62	1.13					
IA20	6.05	2.67	6.08	4.91	7.77					
IA21	0.53	0.08	0.59	0.42	0.43					
IA22	0.00	0.00	0.00	0.00	0.00					
IA23	0.00	0.00	0.00	0.00	0.00					

TABLE A-164 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
UHF COMMUNICATIONS (63AA0)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	6.21	11.87	8.33	9.08	7.50					
IA20	39.89	41.44	49.00	38.98	29.28					
IA21	4.77	6.95	6.56	7.50	6.13					
IA22	0.21	0.31	0.19	0.58	0.71					
IA23	0.21	0.10	0.07	0.37	0.64					

TABLE A-165 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
IFF (65CA0)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	0.96	1.45	1.72	3.17	1.32					
IA20	5.00	7.71	11.30	7.19	3.84					
IA21	0.66	1.03	0.79	2.04	0.54					
IA22	0.00	0.00	0.00	0.00	0.00					
IA23	0.00	0.00	0.00	0.00	0.00					

TABLE A-166 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RECEIVER (71BA0)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	1.12	1.54	1.13	1.25	0.57					
IA20	3.02	4.23	6.90	3.71	1.39					
IA21	0.72	0.87	1.01	1.42	0.36					
IA22	0.01	0.00	0.06	0.00	0.02					
IA23	0.00	0.00	0.00	0.00	0.00					

TABLE A-167 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
RADIO NAVIGATION (71CAO)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	1.23	1.56	0.87	6.98	1.33					
IA20	8.67	5.70	6.00	21.09	5.78					
IA21	0.99	1.18	0.62	6.88	1.28					
IA22	0.00	0.00	0.00	0.00	0.00					
IA23	0.00	0.00	0.00	0.00	0.00					

TABLE A-168 T-38A PHASE I EQUIPMENT
MRD PARAMETER INPUT DATA - SUBSYSTEM
GYROSCOPE (51218)

VARIABLE I.D. NUMBER	RANDOLPH AFB	LAUGHLIN AFB	REESE AFB	SHEPPARD AFB	VANCE AFB					
IA01	2.55	2.68	1.86	2.31	2.64					
IA20	14.33	9.31	8.96	6.59	8.19					
IA21	3.63	2.61	2.29	2.27	2.74					
IA22	0.34	0.21	0.10	0.31	0.16					
IA23	0.10	0.02	0.00	0.04	0.01					

APPEXDIX B
MAINTENANCE IMPACT ESTIMATING RELATIONSHIP
(MIER)
SUPPLEMENTAL DATA VOLUME
SCATTERPLOT IDENTIFICATION REFERENCES

The tables contained in this appendix have been included to serve as an index to the scatterplots cataloged within each of the 29 Subsystem Equipment Supplemental Data Volumes. These tables (one for each data volume) reference the volume number, subsystem equipment type, table number, and the Maintenance Resource Demand (MRD) Parameters vs the Candidate Maintenance Impact type parameters that are cataloged for each of the four aircraft catagories within each of the supplemental data volumes.

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TABLE B-1 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
I	RADOMES	I-1	Seven Acft Composite (MRD's vs MRD's)
		I-2	Seven Acft Composite (Equipment vs MRD's)
		I-3	Seven Acft Composite (Operations vs MRD's)
		I-4	Seven Acft Composite (Environmental vs MRD's)
		I-5	Seven Acft Composite (Maintenance vs MRD's)
		I-6	Seven Acft Composite (Acft General vs MRD's)
		I-7	B-52G (MRD's vs MRD's)
		I-8	B-52G (Equipment vs MRD's)
		I-9	B-52G (Operations vs MRD's)
		I-10	B-52G (Environmental vs MRD's)
		I-11	B-52G (Maintenance vs MRD's)
		I-12	B-52G (Acft General vs MRD's)
		I-13	KC-135A (MRD's vs MRD's)
		I-14	KC-135A (Equipment vs MRD's)
		I-15	KC-135A (Operations vs MRD's)
		I-16	KC-135A (Environmental vs MRD's)
		I-17	KC-135A (Maintenance vs MRD's)
		I-18	KC-135A (Acft General vs MRD's)
		I-19	T-38A (MRD's vs MRD's)
		I-20	T-38A (Equipment vs MRD's)
		I-21	T-38A (Operations vs MRD's)
		I-22	T-38A (Environmental vs MRD's)
		I-23	T-38A (Maintenance vs MRD's)
		I-24	T-38A (Acft General vs MRD's)

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TABLE B-2 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
II	WINDSHIELDS	II-1	Seven Acft Composite (MRD's vs MRD's)
		II-2	Seven Acft Composite (Equipment vs MRD's)
		II-3	Seven Acft Composite (Operations vs MRD's)
		II-4	Seven Acft Composite (Environmental vs MRD's)
		II-5	Seven Acft Composite (Maintenance vs MRD's)
		II-6	Seven Acft Composite (Acft General vs MRD's)
		II-7	B-52G (MRD's vs MRD's)
		II-8	B-52G (Equipment vs MRD's)
		II-9	B-52G (Operations vs MRD's)
		II-10	B-52G (Environmental vs MRD's)
		II-11	B-52G (Maintenance vs MRD's)
		II-12	B-52G (Acft General vs MRD's)
		II-13	KC-135A (MRD's vs MRD's)
		II-14	KC-135A (Equipment vs MRD's)
		II-15	KC-135A (Operations vs MRD's)
		II-16	KC-135A (Environmental vs MRD's)
		II-17	KC-135A (Maintenance vs MRD's)
		II-18	KC-135A (Acft General vs MRD's)
		II-19	T-38A (MRD's vs MRD's)
		II-20	T-38A (Equipment vs MRD's)
		II-21	T-38A (Operations vs MRD's)
		II-22	T-38A (Environmental vs MRD's)
		II-23	T-38A (Maintenance vs MRD's)
		II-24	T-38A (Acft General vs MRD's)

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TABLE B-3 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
III	WINGS	III-1	Seven Acft Composite (MRD's vs MRD's)
		III-2	Seven Acft Composite (Equipment vs MRD's)
		III-3	Seven Acft Composite (Operations vs MRD's)
		III-4	Seven Acft Composite (Environmental vs MRD's)
		III-5	Seven Acft Composite (Maintenance vs MRD's)
		III-6	Seven Acft Composite (Acft General vs MRD's)
		III-7	B-52G (MRD's vs MRD's)
		III-8	B-52G (Equipment vs MRD's)
		III-9	B-52G (Operations vs MRD's)
		III-10	B-52G (Environmental vs MRD's)
		III-11	B-52G (Maintenance vs MRD's)
		III-12	B-52G (Acft General vs MRD's)
		III-13	KC-135A (MRD's vs MRD's)
		III-14	KC-135A (Equipment vs MRD's)
		III-15	KC-135A (Operations vs MRD's)
		III-16	KC-135A (Environmental vs MRD's)
		III-17	KC-135A (Maintenance vs MRD's)
		III-18	KC-135A (Acft General vs MRD's)
		III-19	T-38A (MRD's vs MRD's)
		III-20	T-38A (Equipment vs MRD's)
		III-21	T-38A (Operations vs MRD's)
		III-22	T-38A (Environmental vs MRD's)
		III-23	T-38A (Maintenance vs MRD's)
		III-24	T-38A (Acft General vs MRD's)

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TABLE B-4 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
IV	SEATS	IV-1	Seven Acft Composite (MRD's vs MRD's)
		IV-2	Seven Acft Composite (Equipment vs MRD's)
		IV-3	Seven Acft Composite (Operations vs MRD's)
		IV-4	Seven Acft Composite (Environmental vs MRD's)
		IV-5	Seven Acft Composite (Maintenance vs MRD's)
		IV-6	Seven Acft Composite (Acft General vs MRD's)
		IV-7	B-52G (MRD's vs MRD's)
		IV-8	B-52G (Equipment vs MRD's)
		IV-9	B-52G (Operations vs MRD's)
		IV-10	B-52G (Environmental vs MRD's)
		IV-11	B-52G (Maintenance vs MRD's)
		IV-12	B-52G (Acft General vs MRD's)
		IV-13	KC-135A (MRD's vs MRD's)
		IV-14	KC-135A (Equipment vs MRD's)
		IV-15	KC-135A (Operations vs MRD's)
		IV-16	KC-135A (Environmental vs MRD's)
		IV-17	KC-135A (Maintenance vs MRD's)
		IV-18	KC-135A (Acft General vs MRD's)
		IV-19	T-38A (MRD's vs MRD's)
		IV-20	T-38A (Equipment vs MRD's)
		IV-21	T-38A (Operations vs MRD's)
		IV-22	T-38A (Environmental vs MRD's)
		IV-23	T-38A (Maintenance vs MRD's)
		IV-24	T-38A (Acft General vs MRD's)

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TABLE B- 5 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
V	TIRE AND WHEEL	V-1	Seven Acft Composite (MRD's vs MRD's)
		V-2	Seven Acft Composite (Equipment vs MRD's)
		V-3	Seven Acft Composite (Operations vs MRD's)
		V-4	Seven Acft Composite (Environmental vs MRD's)
		V-5	Seven Acft Composite (Maintenance vs MRD's)
		V-6	Seven Acft Composite (Acft General vs MRD's)
		V-7	B-52G (MRD's vs MRD's)
		V-8	B-52G (Equipment vs MRD's)
		V-9	B-52G (Operations vs MRD's)
		V-10	B-52G (Environmental vs MRD's)
		V-11	B-52G (Maintenance vs MRD's)
		V-12	B-52G (Acft General vs MRD's)
		V-13	KC-135A (MRD's vs MRD's)
		V-14	KC-135A (Equipment vs MRD's)
		V-15	KC-135A (Operations vs MRD's)
		V-16	KC-135A (Environmental vs MRD's)
		V-17	KC-135A (Maintenance vs MRD's)
		V-18	KC-135A (Acft General vs MRD's)
		V-19	T-38A (MRD's vs MRD's)
		V-20	T-38A (Equipment vs MRD's)
		V-21	T-38A (Operations vs MRD's)
		V-22	T-38A (Environmental vs MRD's
		V-23	T-38A (Maintenance vs MRD's)
		V-24	T-38A (Acft General vs MRD's)

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TABLE B-6 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
VI	BRAKES	VI-1	Seven Acft Composite (MRD's vs MRD's)
		VI-2	Seven Acft Composite (Equipment vs MRD's)
		VI-3	Seven Acft Composite (Operations vs MRD's)
		VI-4	Seven Acft Composite (Environmental vs MRD's)
		VI-5	Seven Acft Composite (Maintenance vs MRD's)
		VI-6	Seven Acft Composite (Acft General vs MRD's)
		VI-7	B-52G (MRD's vs MRD's)
		VI-8	B-52G (Equipment vs MRD's)
		VI-9	B-52G (Operations vs MRD's)
		VI-10	B-52G (Environmental vs MRD's)
		VI-11	B-52G (Maintenance vs MRD's)
		VI-12	B-52G (Acft General vs MRD's)
		VI-13	KC-135A (MRD's vs MRD's)
		VI-14	KC-135A (Equipment vs MRD's)
		VI-15	KC-135A (Operations vs MRD's)
		VI-16	KC-135A (Environmental vs MRD's)
		VI-17	KC-135A (Maintenance vs MRD's)
		VI-18	KC-135A (Acft General vs MRD's)
		VI-19	T-38A (MRD's vs MRD's)
		VI-20	T-38A (Equipment vs MRD's)
		VI-21	T-38A (Operations vs MRD's)
		VI-22	T-38A (Environmental vs MRD's)
		VI-23	T-38A (Maintenance vs MRD's)
		VI-24	T-38A (Acft General vs MRD's)

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TABLE B-7 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
VII	HORIZONTAL STABILIZER	VII-1	Seven Acft Composite (MRD's vs MRD's)
		VII-2	Seven Acft Composite (Equipment vs MRD's)
		VII-3	Seven Acft Composite (Operations vs MRD's)
		VII-4	Seven Acft Composite (Environmental vs MRD's)
		VII-5	Seven Acft Composite (Maintenance vs MRD's)
		VII-6	Seven Acft Composite (Acft General vs MRD's)
		VII-7	B-52G (MRD's vs MRD's)
		VII-8	B-52G (Equipment vs MRD's)
		VII-9	B-52G (Operations vs MRD's)
		VII-10	B-52G (Environmental vs MRD's)
		VII-11	B-52G (Maintenance vs MRD's)
		VII-12	B-52G (Acft General vs MRD's)
		VII-13	KC-135A (MRD's vs MRD's)
		VII-14	KC-135A (Equipment vs MRD's)
		VII-15	KC-135A (Operations vs MRD's)
		VII-16	KC-135A (Environmental vs MRD's)
		VII-17	KC-135A (Maintenance vs MRD's)
		VII-18	KC-135A (Acft General vs MRD's)
		VII-19	T-38A (MRD's vs MRD's)
		VII-20	T-38A (Equipment vs MRD's)
		VII-21	T-38A (Operations vs MRD's)
		VII-22	T-38A (Environmental vs MRD's)
		VII-23	T-38A (Maintenance vs MRD's)
		VII-24	T-38A (Acft General vs MRD's)

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TABLE B-8 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
VIII	RUDDER ASSEMBLY	VIII-1	Seven Acft Composite (MRD's vs MRD's)
		VIII-2	Seven Acft Composite (Equipment vs MRD's)
		VIII-3	Seven Acft Composite (Operations vs MRD's)
		VIII-4	Seven Acft Composite (Environmental vs MRD's)
		VIII-5	Seven Acft Composite (Maintenance vs MRD's)
		VIII-6	Seven Acft Composite (Acft General vs MRD's)
		VIII-7	B-52G (MRD's vs MRD's)
		VIII-8	B-52G (Equipment vs MRD's)
		VIII-9	B-52G (Operations vs MRD's)
		VIII-10	B-52G (Environmental vs MRD's)
		VIII-11	B-52G (Maintenance vs MRD's)
		VIII-12	B-52G (Acft General vs MRD's)
		VIII-13	KC-135A (MRD's vs MRD's)
		VIII-14	KC-135A (Equipment vs MRD's)
		VIII-15	KC-135A (Operations vs MRD's)
		VIII-16	KC-135A (Environmental vs MRD's)
		VIII-17	KC-135A (Maintenance vs MRD's)
		VIII-18	KC-135A (Acft General vs MRD's)
		VIII-19	T-38A (MRD's vs MRD's)
		VIII-20	T-38A (Equipment vs MRD's)
		VIII-21	T-38A (Operations vs MRD's)
		VIII-22	T-38A (Environmental vs MRD's)
		VIII-23	T-38A (Maintenance vs MRD's)
		VIII-24	T-38A (Acft General vs MRD's)

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TABLE B-9 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
IX	FLAP ASSEMBLY	IX-1	Seven Acft Composite (MRD's vs MRD's)
		IX-2	Seven Acft Composite (Equipment vs MRD's)
		IX-3	Seven Acft Composite (Operations vs MRD's)
		IX-4	Seven Acft Composite (Environmental vs MRD's)
		IX-5	Seven Acft Composite (Maintenance vs MRD's)
		IX-6	Seven Acft Composite (Acft General vs MRD's)
		IX-7	B-52G (MRD's vs MRD's)
		IX-8	B-52G (Equipment vs MRD's)
		IX-9	B-52G (Operations vs MRD's)
		IX-10	B-52G (Environmental vs MRD's)
		IX-11	B-52G (Maintenance vs MRD's)
		IX-12	B-52G (Acft General vs MRD's)
		IX-13	KC-135A (MRD's vs MRD's)
		IX-14	KC-135A (Equipment vs MRD's)
		IX-15	KC-135A (Operations vs MRD's)
		IX-16	KC-135A (Environmental vs MRD's)
		IX-17	KC-135A (Maintenance vs MRD's)
		IX-18	KC-135A (Acft General vs MRD's)
		IX-19	T-38A (MRD's vs MRD's)
		IX-20	T-38A (Equipment vs MRD's)
		IX-21	T-38A (Operations vs MRD's)
		IX-22	T-38A (Environmental vs MRD's)
		IX-23	T-38A (Maintenance vs MRD's)
		IX-24	T-38A (Acft General vs MRD's)

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TABLE B-10 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
X	ENGINE	X-1	Seven Acft Composite (MRD's vs MRD's)
		X-2	Seven Acft Composite (Equipment vs MRD's)
		X-3	Seven Acft Composite (Operations vs MRD's)
		X-4	Seven Acft Composite (Environmental vs MRD's)
		X-5	Seven Acft Composite (Maintenance vs MRD's)
		X-6	Seven Acft Composite (Acft General vs MRD's)
		X-7	B-52G (MRD's vs MRD's)
		X-8	B-52G (Equipment vs MRD's)
		X-9	B-52G (Operations vs MRD's)
		X-10	B-52G (Environmental vs MRD's)
		X-11	B-52G (Maintenance vs MRD's)
		X-12	B-52G (Acft General vs MRD's)
		X-13	KC-135A (MRD's vs MRD's)
		X-14	KC-135A (Equipment vs MRD's)
		X-15	KC-135A (Operations vs MRD')
		X-16	KC-135A (Environmental vs MRD's)
		X-17	KC-135A (Maintenance vs MRD's)
		X-18	KC-135A (Acft General vs MRD's)
		X-19	T-38A (MRD's vs MRD's)
		X-20	T-38A (Equipment vs MRD's)
		X-21	T-38A (Operations vs MRD's)
		X-22	T-38A (Environmental vs MRD's)
		X-23	T-38A (Maintenance vs MRD's)
		X-24	T-38A (Acft General vs MRD's)

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TABLE B-11 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XI	WATER SEPARATOR	XI-1	Seven Acft Composite (MRD's vs MRD's)
		XI-2	Seven Acft Composite (Equipment vs MRD's)
		XI-3	Seven Acft Composite (Operations vs MRD's)
		XI-4	Seven Acft Composite (Environmental vs MRD's)
		XI-5	Seven Acft Composite (Maintenance vs MRD's)
		XI-6	Seven Acft Composite (Acft General vs MRD's)
		XI-7	B-52G (MRD's vs MRD's)
		XI-8	B-52G (Equipment vs MRD's)
		XI-9	B-52G (Operations vs MRD's)
		XI-10	B-52G (Environmental vs MRD's)
		XI-11	B-52G (Maintenance vs MRD's)
		XI-12	B-52G (Acft General vs MRD's)
		XI-13	KC-135A (MRD's vs MRD's)
		XI-14	KC-135A (Equipment vs MRD's)
		XI-15	KC-135A (Operations vs MRD's)
		XI-16	KC-135A (Environmental vs MRD's)
		XI-17	KC-135A (Maintenance vs MRD's)
		XI-18	KC-135A (Acft General vs MRD's)
		XI-19	T-38A (MRD's vs MRD's)
		XI-20	T-38A (Equipment vs MRD's)
		XI-21	T-38A (Operations vs MRD's)
		XI-22	T-38A (Environmental vs MRD's)
		XI-23	T-38A (Maintenance vs MRD's)
		XI-24	T-38A (Acft General vs MRD's)

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TABLE B-12 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XII	GENERATOR	XII-1	Seven Acft Composite (MRD's vs MRD's)
		XII-2	Seven Acft Composite (Equipment vs MRD's)
		XII-3	Seven Acft Composite (Operations vs MRD's)
		XII-4	Seven Acft Composite (Environmental vs MRD's)
		XII-5	Seven Acft Composite (Maintenance vs MRD's)
		XII-6	Seven Acft Composite (Acft General vs MRD's)
		XII-7	B-52G (MRD's vs MRD's)
		XII-8	B-52G (Equipment vs MRD's)
		XII-9	B-52G (Operations vs MRD's)
		XII-10	B-52G (Environmental vs MRD's)
		XII-11	B-52G (Maintenance vs MRD's)
		XII-12	B-52G (Acft General vs MRD's)
		XII-13	KC-135A (MRD's vs MRD's)
		XII-14	KC-135A (Equipment vs MRD's)
		XII-15	KC-135A (Operations vs MRD's)
		XII-16	KC-135A (Environmental vs MRD's)
		XII-17	KC-135A (Maintenance vs MRD's)
		XII-18	KC-135A (Acft General vs MRD's)
		XII-19	T-38A (MRD's vs MRD's)
		XII-20	T-38A (Equipment vs MRD's)
		XII-21	T-38A (Operations vs MRD's)
		XII-22	T-38A (Environmental vs MRD's)
		XII-23	T-38A (Maintenance vs MRD's)
		XII-24	T-38A (Acft General vs MRD's)

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TABLE B-13 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XIII	ANTI COLLISION LIGHTS	XIII-1	Seven Acft Composite (MRD's vs MRD's)
		XIII-2	Seven Acft Composite (Equipment vs MRD's)
		XIII-3	Seven Acft Composite (Operations vs MRD's)
		XIII-4	Seven Acft Composite (Environmental vs MRD's)
		XIII-5	Seven Acft Composite (Maintenance vs MRD's)
		XIII-6	Seven Acft Composite (Acft General vs MRD's)
		XIII-7	B-52G (MRD's vs MRD's)
		XIII-8	B-52G (Equipment vs MRD's)
		XIII-9	B-52G (Operations vs MRD's)
		XIII-10	B-52G (Environmental vs MRD's)
		XIII-11	B-52G (Maintenance vs MRD's)
		XIII-12	B-52G (Acft General vs MRD's)
		XIII-13	KC-135A (MRD's vs MRD's)
		XIII-14	KC-135A (Equipment vs MRD's)
		XIII-15	KC-135A (Operations vs MRD's)
		XIII-16	KC-135A (Environmental vs MRD's)
		XIII-17	KC-135A (Maintenance vs MRD's)
		XIII-18	KC-135A (Acft General vs MRD's)
		XIII-19	T-38A (MRD's vs MRD's)
		XIII-20	T-38A (Equipment vs MRD's)
		XIII-21	T-38A (Operations vs MRD's)
		XIII-22	T-38A (Environmental vs MRD's)
		XIII-23	T-38A (Maintenance vs MRD's)
		XIII-24	T-38A (Acft General vs MRD's)

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TABLE B-14 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XIV	LANDING/TAXI LIGHTS	XIV-1	Seven Acft Composite (MRD's vs MRD's)
		XIV-2	Seven Acft Composite (Equipment vs MRD's)
		XIV-3	Seven Acft Composite (Operations vs MRD's)
		XIV-4	Seven Acft Composite (Environmental vs MRD's)
		XIV-5	Seven Acft Composite (Maintenance vs MRD's)
		XIV-6	Seven Acft Composite (Acft General vs MRD's)
		XIV-7	B-52G (MRD's vs MRD's)
		XIV-8	B-52G (Equipment vs MRD's)
		XIV-9	B-52G (Operations vs MRD's)
		XIV-10	B-52G (Environmental vs MRD's)
		XIV-11	B-52G (Maintenance vs MRD's)
		XIV-12	B-52G (Acft General vs MRD's)
		XIV-13	KC-135A (MRD's vs MRD's)
		XIV-14	KC-135A (Equipment vs MRD's)
		XIV-15	KC-135A (Operations vs MRD's)
		XIV-16	KC-135A (Environmental vs MRD's)
		XIV-17	KC-135A (Maintenance vs MRD's)
		XIV-18	KC-135A (Acft General vs MRD's)
		XIV-19	T-38A (MRD's vs MRD's)
		XIV-20	T-38A (Equipment vs MRD's)
		XIV-21	T-38A (Operations vs MRD's)
		XIV-22	T-38A (Environmental vs MRD's)
		XIV-23	T-38A (Maintenance vs MRD's)
		XIV-24	T-38A (Acft General vs MRD's)

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TABLE B-15 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XV	HYDRAULIC PUMP	XV-1	Seven Acft Composite (MRD's vs MRD's)
		XV-2	Seven Acft Composite (Equipment vs MRD's)
		XV-3	Seven Acft Composite (Operations vs MRD's)
		XV-4	Seven Acft Composite (Environmental vs MRD's)
		XV-5	Seven Acft Composite (Maintenance vs MRD's)
		XV-6	Seven Acft Composite (Acft General vs MRD's)
		XV-7	B-52G (MRD's vs MRD's)
		XV-8	B-52G (Equipment vs MRD's)
		XV-9	B-52G (Operations vs MRD's)
		XV-10	B-52G (Environmental vs MRD's)
		XV-11	B-52G (Maintenance vs MRD's)
		XV-12	B-52G (Acft General vs MRD's)
		XV-13	KC-135A (MRD's vs MRD's)
		XV-14	KC-135A (Equipment vs MRD's)
		XV-15	KC-135A (Operations vs MRD's)
		XV-16	KC-135A (Environmental vs MRD's)
		XV-17	KC-135A (Maintenance vs MRD's)
		XV-18	KC-135A (Acft General vs MRD's)
		XV-19	T-38A (MRD's vs MRD's)
		XV-20	T-38A (Equipment vs MRD's)
		XV-21	T-38A (Operations vs MRD's)
		XV-22	T-38A (Environmental vs MRD's)
		XV-23	T-38A (Maintenance vs MRD's)
		XV-24	T-38A (Acft General vs MRD's)

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TABLE B-16 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XVI	FUEL TANKS	XVI-1	Seven Acft Composite (MRD's vs MRD's)
		XVI-2	Seven Acft Composite (Equipment vs MRD's)
		XVI-3	Seven Acft Composite (Operations vs MRD's)
		XVI-4	Seven Acft Composite (Environmental vs MRD's)
		XVI-5	Seven Acft Composite (Maintenance vs MRD's)
		XVI-6	Seven Acft Composite (Acft General vs MRD's)
		XVI-7	B-52G (MRD's vs MRD's)
		XVI-8	B-52G (Equipment vs MRD's)
		XVI-9	B-52G (Operations vs MRD's)
		XVI-10	B-52G (Environmental vs MRD's)
		XVI-11	B-52G (Maintenance vs MRD's)
		XVI-12	B-52G (Acft General vs MRD's)
		XVI-13	KC-135A (MRD's vs MRD's)
		XVI-14	KC-135A (Equipment vs MRD's)
		XVI-15	KC-135A (Operations vs MRD's)
		XVI-16	KC-135A (Environmental vs MRD's)
		XVI-17	KC-135A (Maintenance vs MRD's)
		XVI-18	KC-135A (Acft General vs MRD's)
		XVI-19	T-38A (MRD's vs MRD's)
		XVI-20	T-38A (Equipment vs MRD's)
		XVI-21	T-38A (Operations vs MRD's)
		XVI-22	T-38A (Environmental vs MRD's)
		XVI-23	T-38A (Maintenance vs MRD's)
		XVI-24	T-38A (Acft General vs MRD's)

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TABLE B-17 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XVII	OXYGEN REGULATOR	XVII-1	Seven Acft Composite (MRD's vs MRD's)
		XVII-2	Seven Acft Composite (Equipment vs MRD's)
		XVII-3	Seven Acft Composite (Operations vs MRD's)
		XVII-4	Seven Acft Composite (Environmental vs MRD's)
		XVII-5	Seven Acft Composite (Maintenance vs MRD's)
		XVII-6	Seven Acft Composite (Acft General vs MRD's)
		XVII-7	B-52G (MRD's vs MRD's)
		XVII-8	B-52G (Equipment vs MRD's)
		XVII-9	B-52G (Operations vs MRD's)
		XVII-10	B-52G (Environmental vs MRD's)
		XVII-11	B-52G (Maintenance vs MRD's)
		XVII-12	B-52G (Acft General vs MRD's)
		XVII-13	KC-135A (MRD's vs MRD's)
		XVII-14	KC-135A (Equipment vs MRD's)
		XVII-15	KC-135A (Operations vs MRD's)
		XVII-16	KC-135A (Environmental vs MRD's)
		XVII-17	KC-135A (Maintenance vs MRD's)
		XVII-18	KC-135A (Acft General vs MRD's)
		XVII-19	T-38A (MRD's vs MRD's)
		XVII-20	T-38A (Equipment vs MRD's)
		XVII-21	T-38A (Operations vs MRD's)
		XVII-22	T-38A (Environmental vs MRD's)
		XVII-23	T-38A (Maintenance vs MRD's)
		XVII-24	T-38A (Acft General vs MRD's)

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TABLE B-18 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XVIII	LOX CONVERTER	XVIII-1	Seven Acft Composite (MRD's vs MRD's)
		XVIII-2	Seven Acft Composite (Equipment vs MRD's)
		XVIII-3	Seven Acft Composite (Operations vs MRD's)
		XVIII-4	Seven Acft Composite (Environmental vs MRD's)
		XVIII-5	Seven Acft Composite (Maintenance vs MRD's)
		XVIII-6	Seven Acft Composite (Acft General vs MRD's)
		XVIII-7	B-52G (MRD's vs MRD's)
		XVIII-8	B-52G (Equipment vs MRD's)
		XVIII-9	B-52G (Operations vs MRD's)
		XVIII-10	B-52G (Environmental vs MRD's)
		XVIII-11	B-52G (Maintenance vs MRD's)
		XVIII-12	B-52G (Acft General vs MRD's)
		XVIII-13	KC-135A (MRD's vs MRD's)
		XVIII-14	KC-135A (Equipment vs MRD's)
		XVIII-15	KC-135A (Operations vs MRD's)
		XVIII-16	KC-135A (Environmental vs MRD's)
		XVIII-17	KC-135A (Maintenance vs MRD's)
		XVIII-18	KC-135A (Acft General vs MRD's)
		XVIII-19	T-38A (MRD's vs MRD's)
		XVIII-20	T-38A (Equipment vs MRD's)
		XVIII-21	T-38A (Operations vs MRD's)
		XVIII-22	T-38A (Environmental vs MRD's)
		XVIII-23	T-38A (Maintenance vs MRD's)
		XVIII-24	T-38A (Acft General vs MRD's)

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TABLE B-19 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XIX	ENGINE FIRE DETECTION	XIX-1	Seven Acft Composite (MRD's vs MRD's)
		XIX-2	Seven Acft Composite (Equipment vs MRD's)
		XIX-3	Seven Acft Composite (Operations vs MRD's)
		XIX-4	Seven Acft Composite (Environmental vs MRD's)
		XIX-5	Seven Acft Composite (Maintenance vs MRD's)
		XIX-6	Seven Acft Composite (Acft General vs MRD's)
		XIX-7	B-52G (MRD's vs MRD's)
		XIX-8	B-52G (Equipment vs MRD's)
		XIX-9	B-52G (Operations vs MRD's)
		XIX-10	B-52G (Environmental vs MRD's)
		XIX-11	B-52G (Maintenance vs MRD's)
		XIX-12	B-52G (Acft General vs MRD's)
		XIX-13	KC-135A (MRD's vs MRD's)
		XIX-14	KC-135A (Equipment vs MRD's)
		XIX-15	KC-135A (Operations vs MRD's)
		XIX-16	KC-135A (Environmental vs MRD's)
		XIX-17	KC-135A (Maintenance vs MRD's)
		XIX-18	KC-135A (Acft General vs MRD's)
		XIX-19	T-38A (MRD's vs MRD's)
		XIX-20	T-38A (Equipment vs MRD's)
		XIX-21	T-38A (Operations vs MRD's)
		XIX-22	T-38A (Environmental vs MRD's)
		XIX-23	T-38A (Maintenance vs MRD's)
		XIX-24	T-38A (Acft General vs MRD's)

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TABLE B-20 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XX	ALTIMETER	XX-1	Seven Acft Composite (MRD's vs MRD's)
		XX-2	Seven Acft Composite (Equipment vs MRD's)
		XX-3	Seven Acft Composite (Operations vs MRD's)
		XX-4	Seven Acft Composite (Environmental vs MRD's)
		XX-5	Seven Acft Composite (Maintenance vs MRD's)
		XX-6	Seven Acft Composite (Acft General vs MRD's)
		XX-7	B-52G (MRD's vs MRD's)
		XX-8	B-52G (Equipment vs MRD's)
		XX-9	B-52G (Operations vs MRD's)
		XX-10	B-52G (Environmental vs MRD's)
		XX-11	B-52G (Maintenance vs MRD's)
		XX-12	B-52G (Acft General vs MRD's)
		XX-13	KC-135A (MRD's vs MRD's)
		XX-14	KC-135A (Equipment vs MRD's)
		XX-15	KC-135A (Operations vs MRD's)
		XX-16	KC-135A (Environmental vs MRD's)
		XX-17	KC-135A (Maintenance vs MRD's)
		XX-18	KC-135A (Acft General vs MRD's)
		XX-19	T-38A (MRD's vs MRD's)
		XX-20	T-38A (Equipment vs MRD's)
		XX-21	T-38A (Operations vs MRD's)
		XX-22	T-38A (Environmental vs MRD's)
		XX-23	T-38A (Maintenance vs MRD's)
		XX-24	T-38A (Acft General vs MRD's)

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TABLE B-21 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXI	AIR DATA SYSTEM	XXI-1	Seven Acft Composite (MRD's vs MRD's)
		XXI-2	Seven Acft Composite (Equipment vs MRD's)
		XXI-3	Seven Acft Composite (Operations vs MRD's)
		XXI-4	Seven Acft Composite (Environmental vs MRD's)
		XXI-5	Seven Acft Composite (Maintenance vs MRD's)
		XXI-6	Seven Acft Composite (Acft General vs MRD's)
		XXI-7	B-52G (MRD's vs MRD's)
		XXI-8	B-52G (Equipment vs MRD's)
		XXI-9	B-52G (Operations vs MRD's)
		XXI-10	B-52G (Environmental vs MRD's)
		XXI-11	B-52G (Maintenance vs MRD's)
		XXI-12	B-52G (Acft General vs MRD's)
		XXI-13	KC-135A (MRD's vs MRD's)
		XXI-14	KC-135A (Equipment vs MRD's)
		XXI-15	KC-135A (Operations vs MRD's)
		XXI-16	KC-135A (Environmental vs MRD's)
		XXI-17	KC-135A (Maintenance vs MRD's)
		XXI-18	KC-135A (Acft General vs MRD's)
		XXI-19	T-38A (MRD's vs MRD's)
		XXI-20	T-38A (Equipment vs MRD's)
		XXI-21	T-38A (Operations vs MRD's)
		XXI-22	T-38A (Environmental vs MRD's)
		XXI-23	T-38A (Maintenance vs MRD's)
		XXI-24	T-38A (Acft General vs MRD's)

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TABLE B-22 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXII	HORIZ SITUATION IND	XXII-1	Seven Acft Composite (MRD's vs MRD's)
		XXII-2	Seven Acft Composite (Equipment vs MRD's)
		XXII-3	Seven Acft Composite (Operations vs MRD's)
		XXII-4	Seven Acft Composite (Environmental vs MRD's)
		XXII-5	Seven Acft Composite (Maintenance vs MRD's)
		XXII-6	Seven Acft Composite (Acft General vs MRD's)
		XXII-7	B-52G (MRD's vs MRD's)
		XXII-8	B-52G (Equipment vs MRD's)
		XXII-9	B-52G (Operations vs MRD's)
		XXII-10	B-52G (Environmental vs MRD's)
		XXII-11	B-52G (Maintenance vs MRD's)
		XXII-12	B-52G (Acft General vs MRD's)
		XXII-13	KC-135A (MRD's vs MRD's)
		XXII-14	KC-135A (Equipment vs MRD's)
		XXII-15	KC-135A (Operations vs MRD's)
		XXII-16	KC-135A (Environmental vs MRD's)
		XXII-17	KC-135A (Maintenance vs MRD's)
		XXII-18	KC-135A (Acft General vs MRD's)
		XXII-19	T-38A (MRD's vs MRD's)
		XXII-20	T-38A (Equipment vs MRD's)
		XXII-21	T-38A (Operations vs MRD's)
		XXII-22	T-38A (Environmental vs MRD's)
		XXII-23	T-38A (Maintenance vs MRD's)
		XXII-24	T-38A (Acft General vs MRD's)

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TABLE B-23 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXIII	AUTO PILOT	XXIII-1	Seven Acft Composite (MRD's vs MRD's)
		XXIII-2	Seven Acft Composite (Equipment vs MRD's)
		XXIII-3	Seven Acft Composite (Operations vs MRD's)
		XXIII-4	Seven Acft Composite (Environmental vs MRD's)
		XXIII-5	Seven Acft Composite (Maintenance vs MRD's)
		XXIII-6	Seven Acft Composite (Acft General vs MRD's)
		XXIiI-7	B-52G (MRD's vs MRD's)
		XXIII-8	B-52G (Equipment vs MRD's)
		XXIII-9	B-52G (Operations vs MRD's)
		XXIII-10	B-52G (Environmental vs MRD's)
		XXIII-11	B-52G (Maintenance vs MRD's)
		XXIII-12	B-52G (Acft General vs MRD's)
		XXIII-13	KC-135A (MRD's vs MRD's)
		XXIII-14	KC-135A (Equipment vs MRD's)
		XXIII-15	KC-135A (Operations vs MRD's)
		XXIII-16	KC-135A (Environmental vs MRD's)
		XXIII-17	KC-135A (Maintenance vs MRD's)
		XXIII-18	KC-135A (Acft General vs MRD's)
		XXIII-19	T-38A (MRD's vs MRD's)
		XXIII-20	T-38A (Equipment vs MRD's)
		XXIII-21	T-38A (Operations vs MRD's)
		XXIII-22	T-38A (Environmental vs MRD's)
		XXIII-23	T-38A (Maintenance vs MRD's)
		XXIII-24	T-38A (Acft General vs MRD's)

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TABLE B-24 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXIV	UHF COMMUNICATION	XXIV-1	Seven Acft Composite (MRD's vs MRD's)
		XXIV-2	Seven Acft Composite (Equipment vs MRD's)
		XXIV-3	Seven Acft Composite (Operations vs MRD's)
		XXIV-4	Seven Acft Composite (Environmental vs MRD's)
		XXIV-5	Seven Acft Composite (Maintenance vs MRD's)
		XXIV-6	Seven Acft Composite (Acft General vs MRD's)
		XXIV-7	B-52G (MRD's vs MRD's)
		XXIV-8	B-52G (Equipment vs MRD's)
		XXIV-9	B-52G (Operations vs MRD's)
		XXIV-10	B-52G (Environmental vs MRD's)
		XXIV-11	B-52G (Maintenance vs MRD's)
		XXIV-12	B-52G (Acft General vs MRD's)
		XXIV-13	KC-135A (MRD's vs MRD's)
		XXIV-14	KC-135A (Equipment vs MRD's)
		XXIV-15	KC-135A (Operations vs MRD's)
		XXIV-16	KC-135A (Environmental vs MRD's)
		XXIV-17	KC-135A (Maintenance vs MRD's)
		XXIV-18	KC-135A (Acft General vs MRD's)
		XXIV-19	T-38A (MRD's vs MRD's)
		XXIV-20	T-38A (Equipment vs MRD's)
		XXIV-21	T-38A (Operations vs MRD's)
		XXIV-22	T-38A (Environmental vs MRD's)
		XXIV-23	T-38A (Maintenance vs MRD's)
		XXIV-24	T-38A (Acft General vs MRD's)

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TABLE B-25 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXV	IFF	XXV-1	Seven Acft Composite (MRD's vs MRD's)
		XXV-2	Seven Acft Composite (Equipment vs MRD's)
		XXV-3	Seven Acft Composite (Operations vs MRD's)
		XXV-4	Seven Acft Composite (Environmental vs MRD's)
		XXV-5	Seven Acft Composite (Maintenance vs MRD's)
		XXV-6	Seven Acft Composite (Acft General vs MRD's)
		XXV-7	B-52G (MRD's vs MRD's)
		XXV-8	B-52G (Equipment vs MRD's)
		XXV-9	B-52G (Operations vs MRD's)
		XXV-10	B-52G (Environmental vs MRD's)
		XXV-11	B-52G (Maintenance vs MRD's)
		XXV-12	B-52G (Acft General vs MRD's)
		XXV-13	KC-135A (MRD's vs MRD's)
		XXV-14	KC-135A (Equipment vs MRD's)
		XXV-15	KC-135A (Operations vs MRD's)
		XXV-16	KC-135A (Environmental vs MRD's)
		XXV-17	KC-135A (Maintenance vs MRD's)
		XXV-18	KC-135A (Acft General vs MRD's)
		XXV-19	T-38A (MRD's vs MRD's)
		XXV-20	T-38A (Equipment vs MRD's)
		XXV-21	T-38A (Operations vs MRD's)
		XXV-22	T-38A (Environmental vs MRD's)
		XXV-23	T-38A (Maintenance vs MRD's)
		XXV-24	T-38A (Acft General vs MRD's)

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TABLE B-26 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXVI	RECEIVER	XXVI-1	Seven Acft Composite (MRD's vs MRD's)
		XXVI-2	Seven Acft Composite (Equipment vs MRD's)
		XXVI-3	Seven Acft Composite (Operations vs MRD's)
		XXVI-4	Seven Acft Composite (Environmental vs MRD's)
		XXVI-5	Seven Acft Composite (Maintenance vs MRD's)
		XXVI-6	Seven Acft Composite (Acft General vs MRD's)
		XXVI-7	B-52G (MRD's vs MRD's)
		XXVI-8	B-52G (Equipment vs MRD's)
		XXVI-9	B-52G (Operations vs MRD's)
		XXVI-10	B-52G (Environmental vs MRD's)
		XXVI-11	B-52G (Maintenance vs MRD's)
		XXVI-12	B-52G (Acft General vs MRD's)
		XXVI-13	KC-135A (MRD's vs MRD's)
		XXVI-14	KC-135A (Equipment vs MRD's)
		XXVI-15	KC-135A (Operations vs MRD's)
		XXVI-16	KC-135A (Environmental vs MRD's)
		XXVI-17	KC-135A (Maintenance vs MRD's)
		XXVI-18	KC-135A (Acft General vs MRD's)
		XXVI-19	T-38A (MRD's vs MRD's)
		XXVI-20	T-38A (Equipment vs MRD's)
		XXVI-21	T-38A (Operations vs MRD's)
		XXVI-22	T-38A (Environmental vs MRD's)
		XXVI-23	T-38A (Maintenance vs MRD's)
		XXVI-24	T-38A (Acft General vs MRD's)

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TABLE B-27 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXVII	RADIO NAV (TACAN)	XXVII-1	Seven Acft Composite (MRD's vs MRD's)
		XXVII-2	Seven Acft Composite (Equipment vs MRD's)
		XXVII-3	Seven Acft Composite (Operations vs MRD's)
		XXVII-4	Seven Acft Composite (Environmental vs MRD's)
		XXVII-5	Seven Acft Composite (Maintenance vs MRD's)
		XXVII-6	Seven Acft Composite (Acft General vs MRD's)
		XXVII-7	B-52G (MRD's vs MRD's)
		XXVII-8	B-52G (Equipment vs MRD's)
		XXVII-9	B-52G (Operations vs MRD's)
		XXVII-10	B-52G (Environmental vs MRD's)
		XXVII-11	B-52G (Maintenance vs MRD's)
		XXVII-12	B-52G (Acft General vs MRD's)
		XXVII-13	KC-135A (MRD's vs MRD's)
		XXVII-14	KC-135A (Equipment vs MRD's)
		XXVII-15	KC-135A (Operations vs MRD's)
		XXVII-16	KC-135A (Environmental vs MRD's)
		XXVII-17	KC-135A (Maintenance vs MRD's)
		XXVII-18	KC-135A (Acft General vs MRD's)
		XXVII-19	T-38A (MRD's vs MRD's)
		XXVII-20	T-38A (Equipment vs MRD's)
		XXVII-21	T-38A (Operations vs MRD's)
		XXVII-22	T-38A (Environmental vs MRD's)
		XXVII-23	T-38A (Maintenance vs MRD's)
		XXVII-24	T-38A (Acft General vs MRD's)

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TABLE B-28 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXVIII	GYROSCOPE	XXVIII-1	Seven Acft Composite (MRD's vs MRD's)
		XXVIII-2	Seven Acft Composite (Equipment vs MRD's)
		XXVIII-3	Seven Acft Composite (Operations vs MRD's)
		XXVIII-4	Seven Acft Composite (Environmental vs MRD's)
		XXVIII-5	Seven Acft Composite (Maintenance vs MRD's)
		XXVIII-6	Seven Acft Composite (Acft General vs MRD's)
		XXVIII-7	B-52G (MRD's vs MRD's)
		XXVIII-8	B-52G (Equipment vs MRD's)
		XXVIII-9	B-52G (Operations vs MRD's)
		XXVIII-10	B-52G (Environmental vs MRD's)
		XXVIII-11	B-52G (Maintenance vs MRD's)
		XXVIII-12	B-52G (Acft General vs MRD's)
		XXVIII-13	KC-135A (MRD's vs MRD's)
		XXVIII-14	KC-135A (Equipment vs MRD's)
		XXVIII-15	KC-135A (Operations vs MRD's)
		XXVIII-16	KC-135A (Environmental vs MRD's)
		XXVIII-17	KC-135A (Maintenance vs MRD's)
		XXVIII-18	KC-135A (Acft General vs MRD's)
		XXVIII-19	T-38A (MRD's vs MRD's)
		XXVIII-20	T-38A (Equipment vs MRD's)
		XXVIII-21	T-38A (Operations vs MRD's)
		XXVIII-22	T-38A (Environmental vs MRD's)
		XXVIII-23	T-38A (Maintenance vs MRD's)
		XXVIII-24	T-38A (Acft General vs MRD's)

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TABLE B-29 SUBSYSTEM EQUIPMENT SUPPLEMENTAL DATA REFERENCE

VOLUME		TABLE NO.	TITLE
XXIX	RADAR	XXIX-1	Seven Acft Composite (MRD's vs MRD's)
		XXIX-2	Seven Acft Composite (Equipment vs MRD's)
		XXIX-3	Seven Acft Composite (Operations vs MRD's)
		XXIX-4	Seven Acft Composite (Environmental vs MRD's)
		XXIX-5	Seven Acft Composite (Maintenance vs MRD's)
		XXIX-6	Seven Acft Composite (Acft General vs MRD's)
		XXIX-7	B-52G (MRD's vs MRD's)
		XXIX-8	B-52G (Equipment vs MRD's)
		XXIX-9	B-52G (Operations vs MRD's)
		XXIX-10	B-52G (Environmental vs MRD's)
		XXIX-11	B-52G (Maintenance vs MRD's)
		XXIX-12	B-52G (Acft General vs MRD's)
		XXIX-13	KC-135A (MRD's vs MRD's)
		XXIX-14	KC-135A (Equipment vs MRD's)
		XXIX-15	KC-135A (Operations vs MRD's)
		XXIX-16	KC-135A (Environmental vs MRD's)
		XXIX-17	KC-135A (Maintenance vs MRD's)
		XXIX-18	KC-135A (Acft General vs MRD's)
		XXIX-19	T-38A (MRD's vs MRD's)
		XXIX-20	T-38A (Equipment vs MRD's)
		XXIX-21	T-38A (Operations vs MRD's)
		XXIX-22	T-38A (Environmental vs MRD's)
		XXIX-23	T-38A (Maintenance vs MRD's)
		XXIX-24	T-38A (Acft General vs MRD's)

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APPENDIX C

EXAMPLE

PARAMETER DATA GATHERING FORM

EXAMPLE EQUIPMENT DATA GATHERING FORM

WUC'S

1. NATIONAL STOCK NUMBER AND/OR PART NUMBER? (QUICK REFERENCE LIST? YES OR NO)

2. LOCATION OF EQUIPMENT ON AIRCRAFT?

3. NUMBER OF EQUIPMENT (QPA) IN AIRCRAFT?

4. EQUIPMENT WEIGHT?

5. EQUIPMENT VOLUME.

6. DENSITY OF EQUIPMENT (LBS. PER CUBIC FOOT) (COMPUTE FROM 4 AND 5 ABOVE)

7. WHAT IS THE SRU COUNT (COMPLEXITY) OF THIS EQUIPMENT?

8. WHAT IS THE OPERATING TEMPERATURE RANGE?

9. WHAT IF ANY IS THE METHOD OF COOLING THIS EQUIPMENT?

AMBIENT AIR_____

FORCED AIR_____

LIQUID_____

OTHER (SPECIFY)_____

10. WHAT TYPE OF PROTECTIVE DEVICES ARE USED WITH THIS EQUIPMENT?

11. NUMBER OF TEST POINTS FOR IN-CIRCUIT TESTING?

12. WHAT AGE OR TEST EQUIPMENT IS REQUIRED FOR MAINTENANCE ON THIS SUBSYSTEM?

13. WHAT PERCENT OF THE TIME IS THE REQUIRED AGE OR TEST EQUIPMENT AVAILABLE WHEN NEEDED?

14. WHEN USING THIS AGE OR TEST EQUIPMENT WHAT PERCENT OF THE TIME IS IT NOT RELIABLE?

15. AVERAGE OPERATING TIME BY TYPE MISSION?

A)

B)

C)

D)

E)

F)

G)

16. WHAT GENERATES MOST OF THE MAJOR PROBLEMS?

A) ENVIRONMENT

B) EQUIPMENT USAGE (OPS/MISSION)

C) HARDWARE DESIGN

D) RELATIVE VIBRATION LEVEL

HIGH MEDIUM LOW

DISCUSSION:

17. WHAT PERCENT OF THE INFLIGHT SQUAWKS CAN BE VERIFIED ON THE GROUND?

18. DO FLYING HOURS DETERMINE THE FAILURE RATE OF THE SUBSYSTEM OR IS IT SOME OTHER FACTOR?

19. WHAT IS THE NUMBER OF ON-OFF CYCLES?

    A) PER FLYING HOUR_____

    B) PER SORTIE_____

20. WHAT IS THE RATIO OF EQUIPMENT GROUND OPERATING TIME TO FLYING HOURS?

21. CAN MOST ABORTS AGAINST THE SPECIFIC SUBSYSTEM BE TRACED TO AN ACTUAL EQUIPMENT FAILURE? WHAT PERCENT?

22. WHAT IS THE AVERAGE CREW SIZE FOR A GIVEN MAINTENANCE ACTION?

23. WHAT FACTORS DETERMINE THE CREW SIZE FOR A GIVEN MAINTENANCE ACTION?

24. WHAT DEPOT IS PRIME ON THIS EQUIPMENT?