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DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS--ETC(U)

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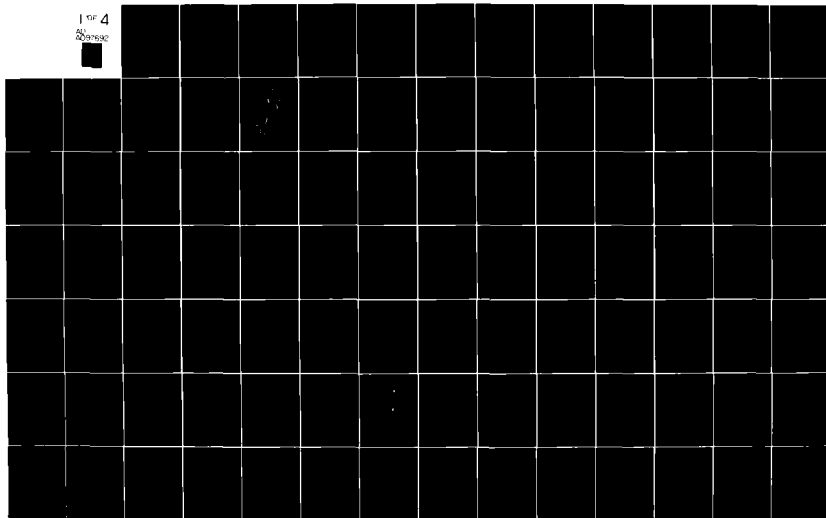
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DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST
RESOURCE DEMANDS OF WEAPON SYSTEMS
(PARAMETER PRIORITIZATION)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report describes the method and results of the fifth of eight tasks to "Develop Maintenance METRICS To Forecast Resource Demands of Weapon Systems". The purpose of this task was to analyze the data collected in tasks 1 through 4 to detect, test, and rank relationships between the study parameters and maintenance demand rates. The significant results of the parameter prioritization task were:		

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- a) identification, regression analysis, and ranking of 454 significant relationships involving 30 aircraft subsystems maintenance action demand as a function of various equipment, operational, and environmental parameters collected during the preceding tasks. These relationships form the basis for developing maintenance metrics for each aircraft subsystem studied.
- b) identification, regression analysis, and ranking of 394 other significant relationships involving equipment maintenance action demand as a function of general base maintenance parameters and general aircraft characteristics parameters.
- c) identification, regression analysis, and ranking of 1561 significant relationships involving other maintenance resource demand parameters (maintenance manhours, equipment removals, ground/air aborts, and equipment cannibalization) as functions of various equipment, operational, environmental, maintenance, and aircraft parameters.

This document is the second of a series of five Boeing Technical Reports generating from this study, namely:

- D194-10089-1 Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Phase I - Analysis and Evaluation)
 - D194-10089-2 Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Parameter Prioritization)
 - D194-10089-3 Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Maintenance Metrics and Weightings)
 - D194-10089-4 Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Analysis and Results of Metrics and Weightings)
 - D194-10089-5 Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (METRICS Final Report)
- (AFHRL-TR-)

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SUMMARY

This report describes the results of the fifth task of an eight task study. The total effort is intended to develop more accurate metrics and weightings to be incorporated into the Air Force method (Logistics Composite Model (LCOM)) for determining manpower and other resource requirements for operational and developing weapon systems.

PROBLEM

The increased concern with the manpower required to support weapon systems currently in operation, as well as those in development has created the need for more accurate methods of projecting maintenance requirements. Meeting this need requires the development of realistic measures of maintenance rates for all of the diverse hardware that makes up a weapon system. In addition, the impact of operations and environmental conditions needs to be identified to insure the sensitivity of the maintenance metrics that are developed.

To date, the manpower and other resource requirements essential to the Operations and Support of a weapon system have been determined using the traditional "flying hours" and "sortie rate" measures. The deficiencies of these traditional measures are well known and such measures frequently are found to be totally irrelevant; for example, many avionics items operate or are cycled greatly in excess of the related flying hours. These traditional measures are also insensitive to variations in operations and environmental conditions. The present difficulties then lie in the fact that the currently used metrics do not consider the inherent differences between the individual subsystems of a weapon system and are relatively insensitive to operational and environmental conditions.

APPROACH

The approach taken for this portion of the study effort was to organize and analyze the field experience data accumulated during the first four tasks in order to detect, test, and rank relationships between the study parameters and maintenance resource demand rates for each equipment type included in the study. The data base gathered from various maintenance management information systems and on-site visits to operational units was categorized, quantified where necessary, normalized, and tabulated in numerical data sets suitable for computeraided cross-plotting and simple regression analysis. Cross-plotting regression analysis were then performed for each study parameter/maintenance resource demand combination in the data set for each equipment type. The resulting output was then screened for significant relationships between maintenance resource demand

parameters and equipment, operational, environmental, maintenance, and aircraft general characteristic parameters. These resulting Maintenance Impact Estimating Relationships (MIER's) were classified by equipment type and maintenance resource demand type, and ranked according to strength of relationship.

The MIER's thus detected which relate maintenance action demand to equipment, operational, and environmental parameters were used as the basis for developing improved LCOM maintenance metrics and weightings for follow-on Tasks 6 and 7.

The resulting MIER's relating other maintenance resource demand reates (maintenance manhours, equipment removals, ground/air aborts, and equipment cannibalization) to the various study parameters were cataloged for future use in related research and follow-on studies.

RESULTS

Quantification, computer-aided analysis, screening, and ranking of the input field experience data resulted in the detection of 848 significant Maintenance Action Demand MIER's which were used to develop the Maintenance Metrics and Weightings models for each equipment type during the course of Tasks 6 and 7.

Phase I and Phase II work for Task 5 also resulted in the detection of 1561 other MIER's which were retained and cataloged to furnish data for future Air Force research.

PREFACE

This report was prepared by the Boeing Aerospace Company Product Support/Experience Analysis Center (PS/EAC), Seattle, Washington, under USAF Contract F33615-77-C-0075. This contract was initiated under Exploratory Development Area PMS 77-43 (1124). Work was accomplished under the direction of the Advanced Systems Division of the Air Force Human Resources Laboratory, Air Force Systems Command with Mr. Frank Maher as the Work Unit Scientist and Air Force Contract Monitor.

Data emanating from this contract, "Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems," are reported in a series of five Technical Reports. Phase I of the study provided the identification of aircraft avionics and engine maintenance resource demands which were used to develop more accurate metrics and weightings for incorporation into the Air Force Logistics Composite Model (LCOM). Phase II identified demands for 18 other aircraft subsystems.

Experience Analysis Center program technical leader was George R. Herrold. Principal program analysts were Donald K. Hindes, Gary A. Walker, and David H. Wilson. Boeing's contract report number is D194-10089-2. This approved technical report (TR) includes work performed from 1 August 1978 through 15 October 1979.

The Boeing Aerospace Company wishes to express their appreciation for the technical assistance and data provided by: a) AFLC Headquarters, Aeronautical Systems Division, and Air Force Maintenance and Supply Management Engineering Team, Wright-Patterson AFB, Ohio, b) Air Weather Service (MAC) Environmental Technical Applications Center and Military Airlift Command Headquarters, Scott AFB, Ill., c) Air Force Europe Headquarters, Ramstein AB, Germany, d) Air Training Command Headquarters, Randolph AFB, Texas, e) Strategic Air Command Headquarters, Offutt AFB, Nebraska, f) Tactical Air Command Headquarters, Langley AFB, Virginia, g) 12th FTW, Randolph AFB, Texas, h) 36th TFW, Bitburg AB, Germany, i) 58th TTW, Luke AFB, Arizona, j) 60th MAW, Travis AFB, California, k) 92nd BMW, Fairchild AFB, Washington, l) 35th TFW, Myrtle Beach AFB, South Carolina, m) 355th TFW, Davis-Monthan AFB, Arizona, and n) 380th BMW, Plattsburgh AFB, New York.

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I - INTRODUCTION

1. PURPOSE AND SCOPE

This report is the second of five reports to be completed under the Maintenance Metrics study. It describes the work accomplished during Phase I and Phase II for Task V as displayed in Figure 1 and enumerated below. Tasks I through IV were documented in the first report in this series, D194-10089-1. Tasks VI, VII, and VIII are documented in study reports D194-10089-3 and D194-10089-4.

The significant results obtained in this task form the basis for accomplishment of Tasks VI and VII and also provide source data for related future research.

The following is a brief overview of the eight tasks developed for this study as shown in Figure 1.

PHASE I - AVIONICS AND ENGINES SUBSYSTEMS

- TASK I Identify, Obtain, and Review Related Publications
 - review related studies and research dealing with maintenance rates and causes.
- TASK II Select Equipment
 - develop matrices of equipment by aircraft type in order to select specific hardware for 30 subsystems common to the seven aircraft selected for study.
- TASK III Identify Parameters
 - identify maintenance, hardware, operational, environmental, and aircraft general parameters which would have an impact on maintenance for the subject subsystems.
- TASK IV Identify and Integrate Data Sources
 - identify, assemble, correlate, and integrate the data base on the equipment selected in Task II for the related parameters being considered in Task III.
- TASK V Analyzing and Prioritizing Parameters
 - prioritize the collected data to define and test relationships between the study parameters and maintenance demand rates.

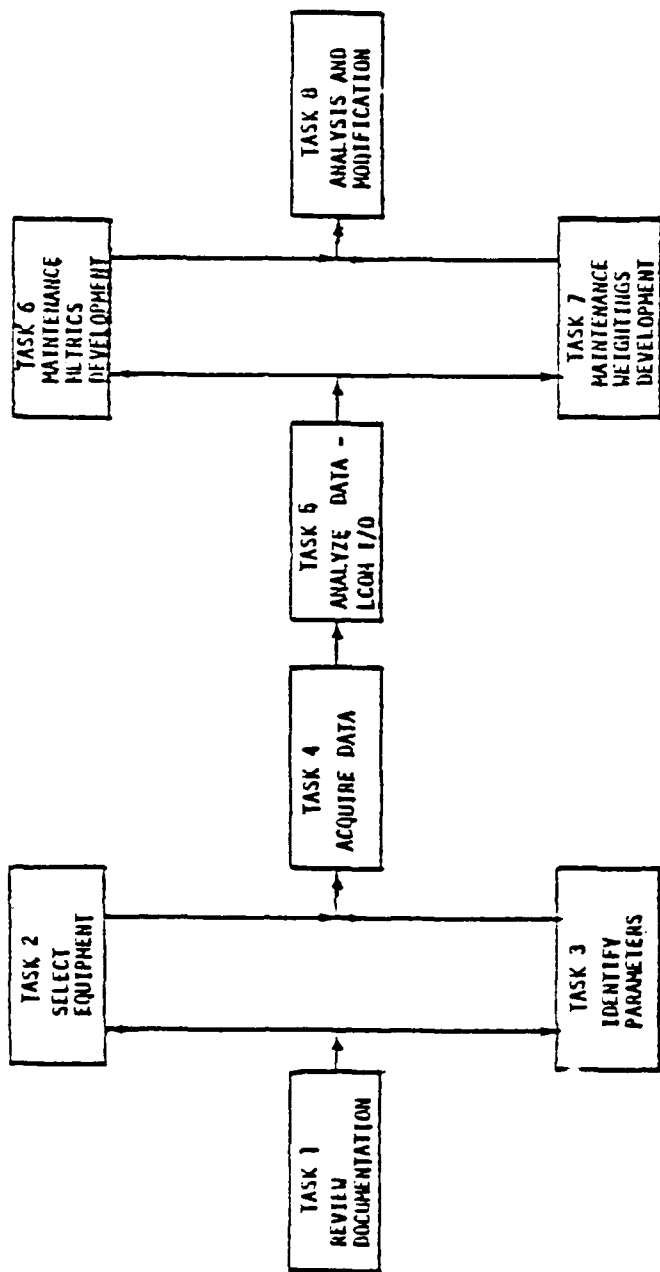


FIGURE 1 STUDY TASKS FLOW DIAGRAM

- TASK VI Maintenance Metrics Development
 - develop metrics quantifying maintenance demand rates which are computable with LCOM models.
- TASK VII Maintenance Weightings Development
 - develop weightings, quantifying identified impacts upon maintenance demand rates.
- TASK VIII Analysis and Modification
 - analyze LCOM model outputs with current and the newly developed metrics and weightings.

2. BACKGROUND

To date, the manpower and other resource requirements essential to the Operations and Support (O&S) of a weapon system have been determined using the traditional "flying hours" and "sortie rate" measures. The deficiencies of these traditional measures are well known and such measures frequently are found to be totally irrelevant (e.g., maintenance on a gun subsystem is generated by factors like the number of rounds fired, and is not affected by the number of flying hours or sorties). These traditional measures are also insensitive to variations in operations and environmental conditions (for example, many avionics equipments may operate or are cycled on the ground greatly in excess of related flying hours or number of sorties). The present difficulties then lie in the fact that the currently used metrics do not consider the inherent differences between the individual subsystems of a weapon system and are relatively insensitive to operational and environmental conditions.

The objective of this research is to determine the maintenance, hardware, operations, environmental and aircraft general parameters which are necessary and sufficient to identify the drivers of maintenance demands for a weapon system, and to develop more accurate metrics and weightings to be incorporated into the Air Force Method (Logistics Composite Model (LCOM)) for determining manpower and other resource requirements for operational and developing weapon systems. This simulation technology has been documented in References 1 through 9.

3. SUMMARY

The data base provided by Tasks I through IV incorporated field experience data by equipment type on Maintenance Resource Demand rates, Equipment characteristics, Operational characteristics, Environmental parameters, Maintenance characteristics, and General Aircraft characteristics. This task integrated and quantified the above data base in a form compatible with the computer-aided detection, analysis, test, and ranking of significant relationships of maintenance resource

demands as functions of the various other data base parameters. The resulting output of this analysis forms a catalog of significant Maintenance Impact Estimating Relationships (MIER) for each aircraft subsystem type examined. A total of 848 Maintenance Action Demand MIER's survived the selection process and were used as the basic source data for development of the LCOM Maintenance Metrics and Weighting models during Tasks VI and VII. A total of 1561 other significant MIER's involving other maintenance resource demands (maintenance manhours, equipment removals, air/ground aborts, and equipment cannibalization) were identified and cataloged for future research purposes.

II - ANALYZING AND PRIORITIZING PARAMETERS - TASK V

1. INTRODUCTION

Task V of the study was to perform an analysis of the field experience data base accumulated by the first four study tasks. The objective of the analysis was the detection, testing and ranking of possible statistically useful causal relationships between the candidate maintenance impact parameters selected in Task III and maintenance resource demand variables. If new strong relationships were detected for each equipment type studied, then these basic two variable parametrics could be used to build composite maintenance demand models (Maintenance Metrics) during the course of Tasks VI and VII.

Phase I and Phase II work and accomplishments on Task V covering the contract period of 1 August 1978 to 15 October 1979 are reported in this interim document.

The general Task V approach divided the analysis into six subtasks as shown in Figure 2. The preparation and execution of these subtasks are discussed in the following paragraphs. Note that the analysis as performed and described does not exactly conform to the general approach delineated in Figure 2. 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 widely available computerized statistical packages such as "SPSS" (Reference 10), and "STATPK" (Reference 11). The analysis as performed by Boeing Experience Analysis Center utilized a locally developed computer program, "PKING," which automatically combined subtasks 5.1, 5.3, and 5.4 in order to facilitate and speed up the parametric relationship detection and testing process. Utilizing this local program allowed a maximum number of 26,460 variable combinations to be tested within the allotted effort.

2. INPUT DATA PREPARATION

Before maintenance resource demand/maintenance impact parameter variable combination testing and screening could proceed, the packages of data and information gathered in Task IV were classified, quantified and/or normalized where necessary, and tabulated in numerical data sets suitable for computer-aided cross-plotting and simple regression analysis. Figure 3 depicts the preliminary input data processing. Dummy variables were created and scaled where necessary to quantify qualitative data. Quantitative data were normalized or averaged where necessary. Independent and dependent trial regression variables were

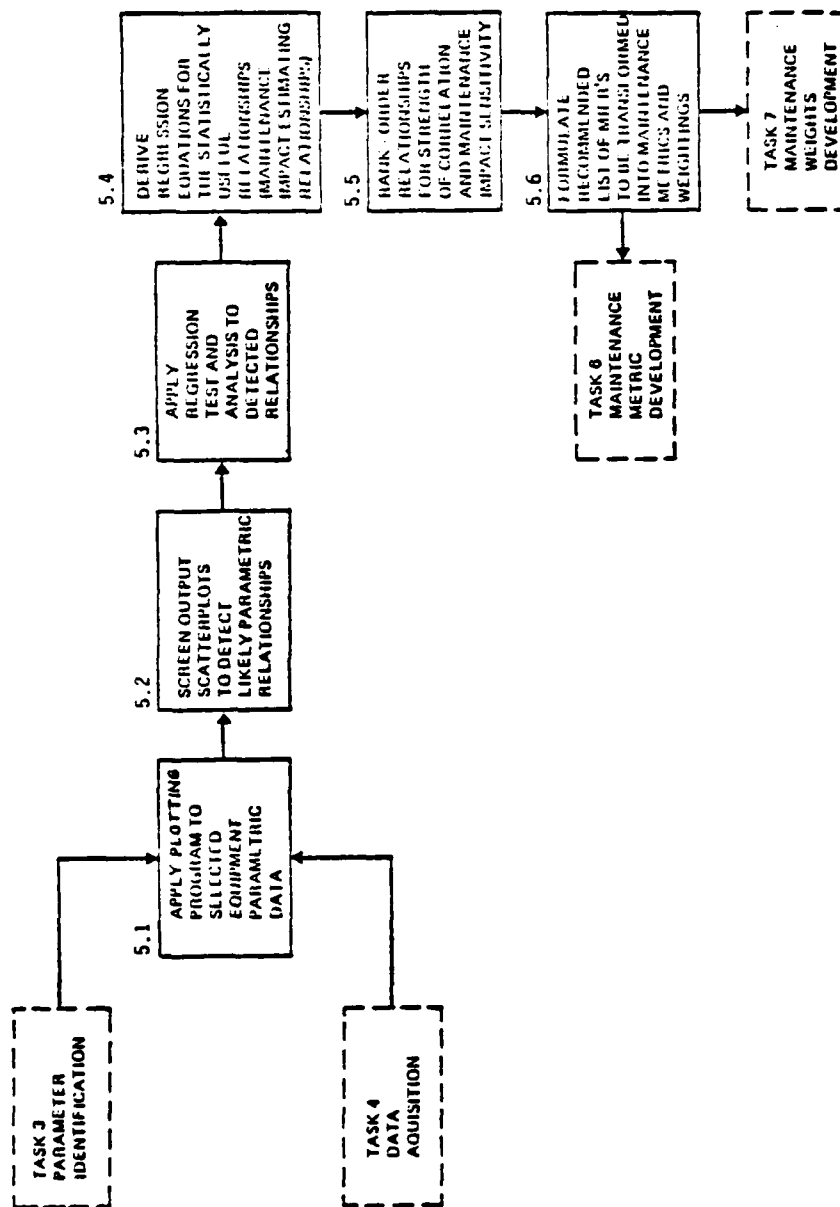


FIGURE 2 TASK V PROCESS FLOW

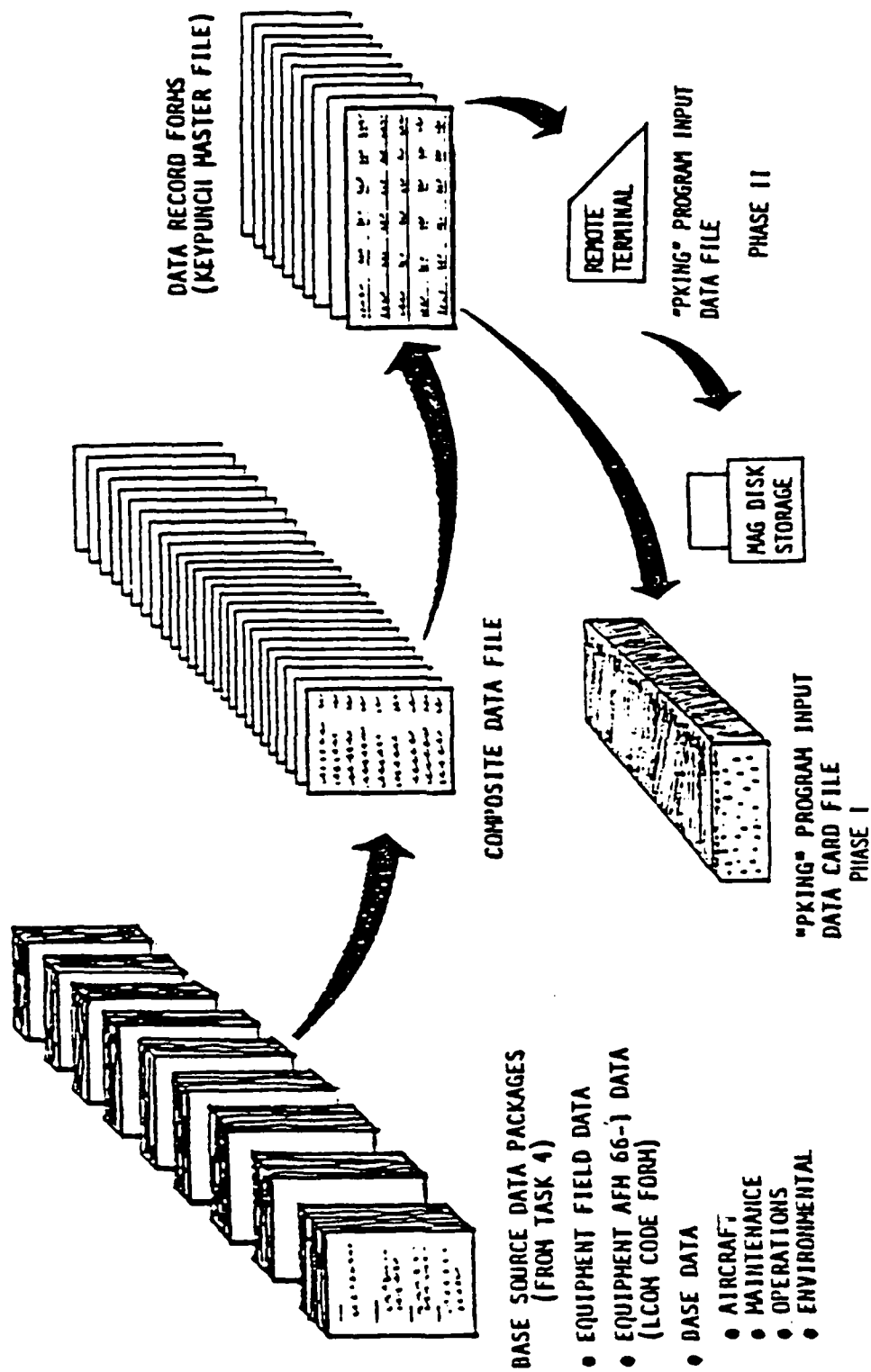


FIGURE 3 TASK V PRELIMINARY INPUT DATA PROCESSING

selected. As shown in Figure 3, the individual data packages for the items in each functional equipment group (subsystem) selected in Task II were integrated into a composite data package for each group. Subsystem equipment groups were functionally normalized across all sample aircraft from Task II and the parameter value data for each equipment item integrated into subsystem group values through a weighted average process. These composite data were next entered in the Master Input Data records. This master file was then transformed to proper computer input format and entered in the "Keypunch Master File" prior to creation of punch-card, magnetic tape, or magnetic disk data input files suitable for computer processing. The format Keypunch Master File created for Task I was tailored for the PKING data processing program. The general process for creating the Master Input File of Appendix A is widely applicable, however, and could be used to create input files for a wide variety of data processing programs. The detailed procedure used in quantifying and integrating the "raw" data base accumulated during Task IV is as follows:

The field experience data gathered during Task IV was divided into six categories:

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

Information on each parameter in the first two categories was obtained for each equipment item selected from each study aircraft at each study base. Information was obtained on an aircraft/base basis for the other four categories. This information was normalized on a subsystem basis as appropriate and entered in the composite data files presented in Appendix A. Since the data in categories (1) and (2) were gathered on each individual equipment item within each functional grouping (subsystem), data on these individual equipment items required transformation into subsystem level values. This was accomplished by a simple weighted average method based on the relative frequency of maintenance of the equipment items comprising a particular subsystem within a particular study aircraft type. For instance, if item A and item B comprise functional subsystem C for a particular aircraft, and the Maintenance Action Demand for item A is twice that of item B (say 10 actions per unit per year vs 5 actions/unit/year), then equipment characteristic parameter values for item A would be weighted twice as heavily as B values when calculating the composite value for subsystem C. For example, if A's volume is 4 cubic inches and B's volume is 7 cubic inches, the weighted average volume of subsystem C for maintenance resource demand purposes is -- $(4+7) \div 3 = 5$ cubic inches. This is the value entered in the composite data file and represents the average volume of items removed from subsystem C that must be dealt with by

the maintenance system over the course of a year's activity. This same type of reasoning was applied to the calculation of the composite values of the other equipment characteristic parameters.

Most of the data in the data base were obtained in quantitative form. Information on a few parameters was obtained in qualitative form, however, and required quantification. Tables 1 through 7 list the parameters in each category, their type (real or scaled variable), their units of measure if any, and the scaling conventions used for variables which were scaled from qualitative data.

TABLE 1 - MAINTENANCE RESOURCE DEMAND PARAMETERS				
I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
P01, A01	R01	Item Maintenance Action Demand	Real	Actions/item/yr
P17, P18, A21	R02	Item Maintenance Manhours	Real	MMH/item/yr
P19, A22	---	Total Item Removals	Real	Removals/item/yr
P20, A23	R03	Unscheduled Item Removals	Real	Removals/item/yr
P21, A24	---	Scheduled Item Removals	Real	Removals/item/yr
P22, A25	R04	Ground Aborts Caused by Item	Real	Aborts/itemyr
P23, A26	R05	Air Aborts Caused by Item	Real	Aborts/item/yr
P24, A27	R06	Item Cannibalization Per Acft	Real	Incidents/acft/yr

TABLE 2 EQUIPMENT CHARACTERISTICS PARAMETERS
(AVIONICS)

I.D.	PARAMETER NAME	TYPE	UNITS
A02	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 Bay 5 = Wheel Wells 6 = Aft. Bays 7 = External Mounts 8 = Proximity of Engines
A03	Equipment Weight	Real	Pounds
A04	Equipment Volume	Real	Cubic Inches
A05	SRU Count	Real	No. of SRU's
A06	Operating Temperature	Real	Degrees "F" Median
A07	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
A08	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 = Fuse Overload Devices 4 = Mechanical Action Overload Devices 5 = BIT Fault Indication Auto Shutdown
A09	Number of Test Points (Org. Level)	Real	No. of Test Points

TABLE 2 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D (AVIONICS)

I.D.	PARAMETER NAME	TYPE	UNITS
A10	Required AGE 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
A11	AGE Availability	Real	% Time Available when required
A12	AGE Unreliability	Real	% Time Unreliable when used
A13	Avg. Operating Time Per Sortie	Real	Hours
A14	Failure/Malfunction 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
A15	Retest OK Rate	Real	% Squawks retest OK
A16	On-Off Cycles Per Hour	Real	Cycles/10 Flying Hr.
A17	On-Off Cycles Per Sortie	Real	Cycles/Sortie

TABLE 2 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D (AVIONICS)

I.D.	PARAMETER NAME	TYPE	UNITS
A18	Ground/Flight Operating Ratio	Real	% Ground to Flight
A19	Failure/Abort Ratio	Real	% Failures Causing Aborts

TABLE 3 EQUIPMENT CHARACTERISTICS PARAMETERS
(PROPULSION)

I.D.	PARAMETER NAME	TYPE	UNITS
P02	Total No. of Installed Engines	Real	Number/Acft.
P03	Take-off Thrust Per Engine	Real	Pounds/10
P04	Weight Per Engine	Real	Pounds/10
P05	Volume Per Engine	Real	Cu. Ft./10
P06	Density Per Engine	Real	Lb./Cu.Ft./10
P07	No. Compressor Sections Per Engine	Real	Number
P08	No. Compressor Blades Per Engine	Real	Number
P09	Turbine Section Size	Real	Ft. Diam.
P10	Max Engine Combustion Temp.	Real	Degrees "C"
P11	Max Engine Fuel Flow	Real	Lbs./Hr.
P12	Min Engine Fuel Flow	Real	Lbs./Hr.
P13	Engine Prime Depot	Scaled	Convention: 1 = OCALC 2 = SAALC 3 = Teledyne 4 = Alameda
P14	Engine AGE Avail-ability	Real	% Time Available When Required
P15	Engine AGE Unreli-ability	Real	% Time Unreliable When Used

TABLE 3 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D (PROPULSION)

I.D.	PARAMETER NAME	TYPE	UNITS
P16	Engine Vibration Factors	Real	Convention: 1 = Low 2 = Medium 3 = High

TABLE 4 EQUIPMENT CHARACTERISTICS PARAMETERS
(OTHER SYSTEMS)

I.D.	PARAMETER NAME	TYPE	UNITS
F01	Equipment Location on Aircraft Note: Scale based on judged severity of local environ	Scaled	Convention: 1 = Cockpit/Cabin 2 = Midship Spaces 3 = Fwd. Spaces 4 = Bomb Bay 5 = Wheel Wells 6 = Aft. Spaces 7 = External Mounts 8 = Proximity of Engines
F02	Primary Material Note: Scale values assigned from most damage susceptible material to least damage susceptible material.	Scaled	Convention: 1.0 = Rubber 2.0 = Plastic 3.0 = Aluminum 4.0 = Honeycomb 5.0 = Fiberglass 6.0 = Glass 7.0 = Titanium 8.0 = Steel
F03	Equipment Weight	Real	Pounds
F04	Equipment Volume/Area	Real	Cubic Inches, Cu. Ft., Sq. Ft.
F05	Operating Temperature	Real	Degrees "F" Median
F06	Support Equipment Complexity Note: The scale value given a particular item is determined by the highest order SE item required.	Scaled	Convention: 0 = None 1 = Simple Hand Tools/ Meters 2 = Basic Test/Support Eq. 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

TABLE 4 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D (OTHER SYSTEMS)

I.D.	PARAMETER NAME	TYPE	UNITS
F07	AGE Reliability	Real	% Time Reliable When Used
F08	Type of Failure Problems 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
F09	Inflight Squawk Verification Rate	Real	% Squawks Verified
F10	On-Off Cycles Per Sortie	Real	Cycles/Sortie
F11	Ground/Flight Operating Ratio	Real	% Ground to Flight
F12	Relative Reliability of Equipment Driving Force	Scaled	Convention: 1.0 = Electrical 2.0 = Mechanical 3.0 = Hydraulic 4.0 = Pneumatic 5.0 = Other
F13	Removals to Access Other Equipment	Real	Removals/Acft/Year
F14	Severity of FOD Problem	Scaled	Convention: 0.0 = None 1.0 = Low 2.0 = Medium 3.0 = High

TABLE 4 EQUIPMENT CHARACTERISTICS PARAMETERS
CONT'D (OTHER SYSTEMS)

I.D.	PARAMETER NAME	TYPE	UNITS
F15	Principle Failure Cause Note: Scale based on judged severity of causal environment.	Scaled	Convention: 0.0 = None 1.0 = Aircraft High Speed 2.0 = Low Level Flight 3.0 = Turbulance 4.0 = Air Refueling 5.0 = Landings 6.0 = Gun Firings 7.0 = Rocket Firings 8.0 = Bombing
F16	Protection Devices Note: Scale based on judged sophistication of protection method.	Scaled	Convention: 0 = None 1 = Protective Covers, Shock Mounts, etc. 2 = Permanent Environ. Protective Devices 3 = Fuse Overload Devices 4 = Mechanical Action Overload Devices 5 = BIT Fault Indication Auto Shutdown
F17	Equipment Pressurization Level	Real	Pounds per Square Inch
F18	Rain Removal Technology (Windshield) Note: Scale based on judged sophistication of rain removal method.	Scaled	Convention: 0.0 = None 1.0 = Wipers 2.0 = Bleed Air
F19	Mounting Position (Wings Only) Note: Scale based on judged adverse impact on maintainability.	Scaled	Convention: 1.0 = Lower Fuselage 2.0 = Mid Fuselage 3.0 = Upper Fuselage

TABLE 4 EQUIPMENT CHARACTERISTIC PARAMETERS
CONT'D (OTHER SYSTEMS)

I.D.	PARAMETER NAME	TYPE	UNITS
F20	Power Rating (Generators)	Real	KVA Rating
F21	Number of Tire Plys	Real	Plys per Tire
F22	Landings per Tire	Real	Landings/Tire/Acft/Year
F23	Average Tire Cost	Real	Dollars per Tire
F24	Securing Method Technology (Radome only) Note: Scale based on judged sophis- tication of fastening technology.	Scaled	Convention: 1.0 = Hinge and Bolt 2.0 = Hinge and Snap- Fasteners 3.0 - Cam Locks

TABLE 5 BASE/AIRCRAFT OPERATIONS PARAMETERS

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
002	001	Years Acft Have Been on Base	Real	No. Years
003	002	Avg. Mission Mix Note: Value based on weighted avg. mission type taken over 1 year's operations.	Scaled	Convention: 1 = Training 2 = Operations 3 = Misc.
004	---	Aircraft Grounded Time	Real	% of Days
005	003	Avg. Take-off Speed	Real	Knots
006	004	Median Take-off Distance	Real	Feet
007	005	Percent of Max Take-off Wt.	Real	Avg take-off wt as % of max
008	006	Avg Climb Rate	Real	Feet/Min
009	007	Avg Cruise Speed	Real	Knots
010	008	Avg Cruise Altitude	Real	Feet/10
011	009	Avg Descent Rate	Real	Feet/per Min.
012	010	Avg Landing Speed	Real	Knots
013	011	Minimum Landing Distance	Real	Feet
014	012	Avg Landing Wt.	Real	Lbs/1000
015	013	Total Flying Hours	Real	Hours/Acft/Yr
016	014	Training Flying Hours	Real	Hours/Acft/Yr
017	015	Operations Flying Hrs	Read	Hours/Acft/Yr

TABLE 5 BASE/AIRCRAFT OPERATIONS PARAMETERS
CONT'D

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
Ø18	---	Misc. Flying Hours	Real	Hours/Acft/Yr
Ø19	Ø16	Total Landings	Real	Landings/Acft/Yr
Ø20	Ø17	Training Landings	Real	Landings/Acft/Yr
Ø21	Ø18	Operations Landings	Real	Landings/Acft/Yr
Ø22	---	Misc. Landings	Real	Landings/Acft/Yr
Ø23	---	Avg No. of Acft on Alert	Real	Acft/Month
Ø24	---	Avg No. of Deployed Acft	Real	Acft/Month
Ø25	Ø19	Total Sorties	Real	Sorties/Acft/Yr
Ø26	Ø20	Training Sorties	Real	Sorties/Acft/Yr
Ø27	Ø21	Operations Sorties	Real	Sorties/Acft/Yr
Ø28	---	Misc. Sorties	Real	Sorties/Acft/Yr
Ø29	Ø22	Avg Possessed Acft	Real	Acft/Month
Ø30	Ø23	Maximum Acft Speed	Real	Knots
Ø31	Ø24	Service Acft Ceiling	Real	Feet/10
Ø32	Ø25	Acft Flight Crew Size	Real	Persons/Acft
Ø33	Ø26	Avg Sortie Length	Real	Hours/Sortie
Ø34	Ø27	Accidents (Major/Minor)	Real	No./Acft/Yr
Ø35	Ø28	Incidents	Real	No./Acft/Yr

TABLE 6 BASE ENVIRONMENTAL PARAMETERS

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
E02	E01	Base Altitude	Real	Feet
E03	E02	Runway Direction (Prevalent T.O. Direction)	Real	Compass Degrees
E04	E03	Distance to Mountains	Real	Miles
E05	---	Direction of Mountains	Real	Compass Degrees
E06	E04	No. of Snow Days	Real	Days/Yr
E07	E05	Total Snow Fall	Real	Inches/Yr
E08	E06	Mean Snow Depth	Real	Inches During Snow Session
E09	E07	No. of Rain Days	Real	Days/Yr
E10	E08	Total Rain Fall	Real	Inches/Yr
E11	E09	No. of Hail Days	Real	Days/Yr
E12	E10	Relative Humidity(Avg)	Real	Percent
E13	E11	No. of Thunder Days	Real	Days/Yr
E14	E12	No. of Sleet Days	Real	Days/Yr
E15	E13	No. of Fog Days	Real	Days/Yr
E16	E14	Predominate Wind Direction	Real	Compass Degrees
E17	E15	Maximum Crosswinds than 10 mph	Real	Days/Yr
E18	E16	Maximum Crosswinds 10-19 mph	Real	Days/Yr
E19	E17	Maximum Crosswinds 20-29 mph	Real	Days/Yr

TABLE 6 BASE ENVIRONMENTAL PARAMETERS
CONT'D

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
E20	E18	Maximum Crosswinds 30-39 mph	Real	Days/Yr
E21	E19	Maximum Crosswinds 40-49 mph	Real	Days/Yr
E22	---	Maximum Crosswinds Greater than 50 mph	Real	Days/Yr
E23	E20	Mean Temperature	Real	Degrees "F"
E24	E21	Mean Minimum Temp.	Real	Degrees "F"
E25	E22	Mean Maximum Temp.	Real	Degrees "F"
E26	E23	Days Max Temp was Above 80° "F"	Real	Days/Yr
E27	E24	Days Min Temp was Below 32° "F"	Real	Days/Yr
E28	E25	Total Number of Obstructions to Vision	Real	No. of Events/Yr
E29	---	Predominate Type of Obstructions Note: Value based on most predomin- ate type of obstruction. Consider ob- struction severity increasing from type 1 to type 4.	Scaled	Convention: 1 = Haze (Haze, Smoke, Dust) 2 = Snow (Pellets, Showers, Blown Snow, Ice Pellets) 3 = Rain (Rain, Drizzle, Hail, Freezing Rain, Freezing Drizzle) 4 = Fog (Fog, Ground Fog, Ice Fog)

TABLE 6 BASE ENVIRONMENTAL PARAMETERS
CONT'D

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
E30	E26	Avg, Obstruction Type Note: Value = Weighted avg. per following formula: $\frac{[(\text{Haze Qty}) \times (1) + (\text{Snow Qty}) \times (2) + (\text{Rain Qty}) \times (3) + \text{-----} + (\text{Fog Qty}) \times (4)]}{(\text{Total Obstructions})}$	Scaled	Convention: (Same as Above)
E31	E27	Avg Obstruction Severity (over year) Note: Value based on following formula: $(\text{Total Obstructions}) \times (\text{Summation of Weighted Obstruction Types From Above})$	Scaled	Convention: (Same as Above)

TABLE 7 BASE MAINTENANCE CHARACTERISTICS PARAMETERS

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
M02	M01	Avg OR Rate (FMC) (Hours OR/Hours Possessed/Mo) Averaged over year.	Real	Avg % for Base/Yr
M03	M02	Avg NORM Rate (NMCM) (Hours NORM/Hours Possessed/Mo) Averaged over year.	Real	Avg % for Base/Yr
M04	M03	Avg NORS Rate (NMCS) (Hours NORS/Hours Possessed/Mo) Averaged over year.	Real	Avg % for Base/Yr
M05	M04	Total Maint Personnel Authorized	Real	Persons/Acft
M06	M05	Total Maint Personnel Assigned	Real	Persons/Acft
M07	M06	Total 3 Level Maint Personnel Assigned	Real	Persons/Acft
M08	M07	Total 5 Level Maint Personnel Assigned	Real	Persons/Acft
M09	M08	Total 7 Level Maint Personnel Assigned	Real	Persons/Acft
M10	M09	Total 9 Level Maint Personnel Assigned	Real	Persons/Acft
M11	M10	Total AMS Personnel Authorized	Real	Persons/Acft
M12	M11	Total AMS Personnel Assigned	Real	Persons/Acft
M13	M12	Total 3 Level AMS Personnel Assigned	Real	Persons/Acft

TABLE 7 BASE MAINTENANCE CHARACTERISTICS PARAMETERS
CONT'D

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
M14	M13	Total 5 Level AMS Personnel Assigned	Real	Persons/Acft
M15	M14	Total 7 Level AMS Personnel Assigned	Real	Persons/Acft
M16	M15	Total 9 Level AMS Personnel Assigned	Real	Persons/Acft
M17	M16	Total Maint Manhours Expended	Real	MMH/Acft
M18	---	AMS Maint Manhours Expended	Real	MMH/Acft
M19	---	Maint Concept	Scaled	Convention: 1 = POMO 2 = Queen Bee 3 = POMO + Queen Bee 0 = No POMO or Queen Bee
M20	M17	Avg Turn-Around Time - Maint	Real	Clock Hours
M21	M18	Acft FOD (All Causes)	Real	Incidents/Acft/Yr
M22	M19	Total General Support Manhours (01-09)	Real	MH/Acft/Yr
M23	M20	Gen Support Mahours 01 - Ground Handling & Servicing	Real	MH/Acft/Yr
M24	M21	Gen Support Manhours 02 - Acft Cleaning	Real	MH/Acft/Yr
M25	M22	Gen Support Manhours 03 - Look Phase of Sch Inspec	Real	MH/Acft/Yr

TABLE 7 BASE MAINTENANCE CHARACTERISTICS PARAMETERS
CONT'D

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
M26	M23	Gen Support Manhours 04 - Special Inspec.	Real	MH/Acft/Yr
M27	M24	Gen Support Manhours 05 - Preservation and Storage	Real	MH/Acft/Yr
M28	M25	Gen Support Manhours 06 - Arming and Disarming	Real	MH/Acft/Yr
M29	M26	Gen Support Manhours 07 - Preparation and Maint of Records	Real	MH/Acft/Yr
M30	M27	Gen Support Manhours 09 - In-Shop General Support	Real	MH/Acft/Yr

TABLE 8 GENERAL AIRCRAFT CHARACTERISTICS

I.D.		PARAMETER NAME	TYPE	UNITS
PH. I	PH. II			
G02	G01	Years Since Acft was	Real	Years
G03	G02	Aircraft Empty Weight	Real	Lbs/10
G04	G03	Max Gross Wt.-Take-Off	Real	Lbs/10
G05	G04	Aircraft Wing Area	Real	Sq. Ft.
G06	G05	Aircraft Aspect Ratio	Real	Percent
G07	G06	Total Fuel Capacity	Real	Gallons
G08	G07	Avg Acft Wing Load	Real	Lbs/Sq. Ft.
G09	G08	Years Since Engine Production	Real	Years
G10	G09	No. of Installed Engines Per Acft	Real	No./Acft
G11	G10	Engine Wt. Per Acft (all engines)	Real	Lbs/10
G12	G11	Total Thrust Per Acft	Real	Lbs/10
G13	G12	Designated Climb Rate	Real	Feet/Min
G14	G13	No. of Generators Per Acft	Real	No./Acft
G15	G14	Total Maint Mannours Per Flight Hours	Real	MMH/Flt Hr
G16	G15	Years Since Acft First Flight	Real	Years

3. COMPUTER-AIDED DETECTION AND SCREENING OF PARAMETRIC RELATIONSHIPS

After the Master Input Data File was transformed into suitable computer input records, the Boeing Experience Analysis Center's local 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:

- 8 Maintenance Resource Demand Parameters (Avionics subsystems only)
- 8 Maintenance Resource Demand Parameters (Propulsion system only)
- 6 Maintenance Resource Demand Parameters (Other aircraft systems)
- 18 Avionics Equipment Parameters (Avionics subsystems only)
- 15 Propulsion Equipment Parameters (Propulsion system only)
- 24 Other System Equipment Parameters
- 33 Operations Parameters (Phase I) 28 Operations Parameters (Phase II)
- 30 Environmental Parameters (Phase I) 27 Environmental Parameters (Phase II)
- 29 Maintenance Parameters (Phase I) 27 Maintenance Parameters (Phase II)
- 15 General Aircraft Parameters (Phases I and II)

A set of cross-plots and regression statistics was generated for each of the 30 following equipment subsystem types:

● Propulsion	● Cockpit Furnishings
● Flight Indicators	● Main Landing Gear
● Air Data System	● Brakes
● Horizontal Situation Indicator	● Stabilator
● Auto Pilot	● Rudder
● UHF Communication Set	● Flaps
● IFF Transponder Set	● Environmental Control
● Inertial Navigation Set	● Aircraft Power Generation
● Instrument Landing Set	● Navigation Lights
● TACAN Set	● Landing Lights
● Attitude Heading Reference Set	● Hydraulic Power
● Radar Set	● Internal Fuel Tanks
● Radome	● Oxygen Regulator
● Windshield	● LOX Converter
● Wings	● Fire Detection

The data bases used as the statistical base for the analysis of these equipments was gathered for the following aircraft, base combinations during the course of Task IV:

- F-15A/Luke AFB, Arizona
- F-15A/Bitburg AB, Germany
- B-52G/Fairchild AFB, Washington
- FB-111A/Plattsburgh AFB, New York
- C-141A/Travis AFB, California
- KC-135A/Fairchild AFB, Washington
- T-28A/Randolph AFB, Texas
- A-10A/Myrtle Beach AFB, South Carolina
- A-10A/Davis-Monthan AFB, Arizona

Using this nine case data population, 1064 scatterplots were generated for each of the eleven avionics items, 1040 scatterplots for the propulsion system, and 13,716 scatterplots for the 18 other aircraft systems investigated during Phase II for a total of 26,460 candidate variable combinations.

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 5 data points, 4 of which were non zero in both the ordinate and abscissa.

Of the 26,460 scattergrams generated, the screening process rejected about 91% as being insufficiently correlated. This left 9% or over 2,400 correlated relationships from which to formulate a recommended list of significant Maintenance Impact Estimating Relationships.

As stated in the introduction, the same variable combination data processing and screening could have been accomplished with any available computer program possessing cross-plotting and regression analysis capability, SPSS, STATPK. Boeing EAC's "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.

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 stored 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.

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 and keypunch 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.

1. 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 process and build a "MIER Catalog" of potentially useful relationships. The 3,000-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 correlation coefficient greater than 0.5 even though the data were useless for practical purposes. Other scattergrams were rejected on the basis of not enough (4 or more) non-zero data points to have any statistical usefulness. This question of statistical usefulness can be illustrated by referral to Figure 4. Note that at a sample size of 5 (considered the lower useful limit for this study), it can be said with 90% confidence that only about 66% of the possible values of a "total" continuous-valued population lie within the distribution of values represented by the available sample. Conversely, we can only be about 40% confident that 90% of the possible values have been captured by a sample of 5. This condition improves somewhat at the "normal" sample size for this study which consists of 9 data points. At a sample of 9, we can estimate with 90% confidence the capture of nearly 80% of the possible population values, or estimate with 60% confidence the capture of 90% of the possible population values. The nomograph of Figure 4 thus gives a measure of the statistical confidence that can be placed on the relationships derived from the data base of this study.

The surviving MIER's from this second screening process were then sorted first by equipment item and then by MRD type within equipment item. The MIER's within each MRD type within each equipment item were then rank-ordered by correlation coefficient and collated in a MIER catalog which has been published as Boeing Supplements I and II to this report. A summary array of the MIER catalog (Supplement I and II) has been included in Appendix B of this report. Appendix B is in the form of MRD vs Maintenance Impact Parameter arrays and indicates the surviving useful relationships through MIER catalog page number entry in the appropriate cells. Blank cells indicate variable combinations which were tested and rejected. Tables 8-19 indicate the number of MIER's retained and cataloged for each equipment type in each category. The Maintenance Action Demand MIER's were used to develop new metrics for LCOM (Tasks VI and VII) while those in the other maintenance resource demand categories are retained for future study. Figure 5 illustrates typical examples of the MIER relationships that were cataloged. Figure 5 is illustrative only.

HOMOGRAPH

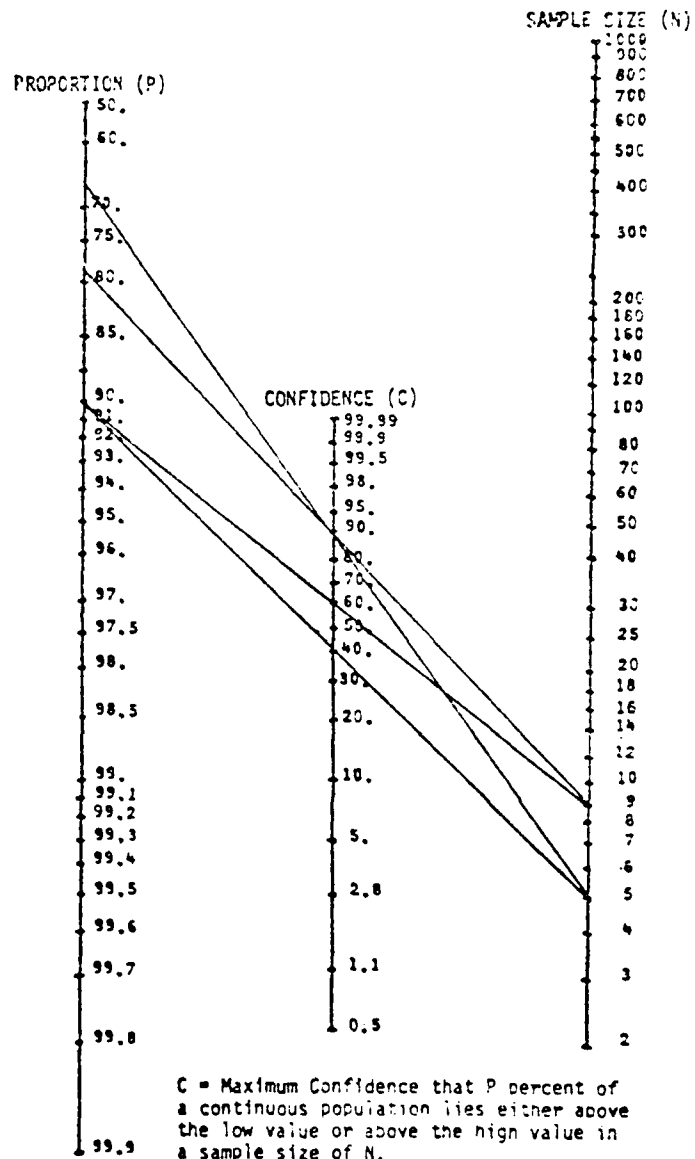


FIGURE 4 NON PARAMETRIC TOLERANCE LIMITS
(SINGLE TAIL OR ONE SIDED TEST)

TABLE 9 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-23 POWER PLANT					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 37	MRD	4	SCHEDULED EQUIPMENT REMOVALS TOTAL: 18	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	1
	ENVIRONMENTAL MAINTENANCE	6		ENVIRONMENTAL MAINTENANCE	3
	AIRCRAFT GENERAL	3		AIRCRAFT GENERAL	0
MAINTENANCE MANHOURS EXPENDED TOTAL: 37	MRD	12	AIR ABORTS TOTAL: 25	MRD	13
	EQUIPMENT OPERATIONS	9		EQUIPMENT OPERATIONS	1
	ENVIRONMENTAL MAINTENANCE	3		ENVIRONMENTAL MAINTENANCE	9
	AIRCRAFT GENERAL	13		AIRCRAFT GENERAL	3
TOTAL EQUIPMENT REMOVALS TOTAL: 27	MRD	9	GROUND ABORTS TOTAL: 35	ENVIRONMENTAL MAINTENANCE	2
	EQUIPMENT OPERATIONS	1		AIRCRAFT GENERAL	10
	ENVIRONMENTAL MAINTENANCE	4			
	AIRCRAFT GENERAL	5			
UNSCHEDULED EQUIPMENT REMOVALS TOTAL: 24	MRD	1	EQUIPMENT CANNIBALIZATION TOTAL: 9	MRD	1
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	3
	ENVIRONMENTAL MAINTENANCE	4		ENVIRONMENTAL MAINTENANCE	10
	AIRCRAFT GENERAL	0		AIRCRAFT GENERAL	4
		11			7
		5			1
					0

TABLE 10 NUMBER OF MIER'S DEFECTED AND RETAINED

EQUIPMENT TYPE: WUC-51A FLIGHT INDICATORS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 25	MRD	3	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	4		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	4		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	5		AIRCRAFT GENERAL	0
		8			0
		1			0
MAINTENANCE MANHOURS EXPENDED TOTAL: 21	MRD	2	AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	7		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	1		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	4		AIRCRAFT GENERAL	0
		6			0
		1			0
TOTAL EQUIPMENT REMOVALS TOTAL: 13	MRD	1	GROUND ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	6		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	1		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	2		AIRCRAFT GENERAL	0
		1			0
		2			0
UNSCHEDULED EQUIPMENT REMOVALS TOTAL: 10	MRD	1	EQUIPMENT CANNIBALIZATION TOTAL: 10	MRD	0
	EQUIPMENT OPERATIONS	6		EQUIPMENT OPERATIONS	2
	ENVIRONMENTAL MAINTENANCE	1		ENVIRONMENTAL MAINTENANCE	1
	AIRCRAFT GENERAL	2		AIRCRAFT GENERAL	4
		0			1
		0			2

TABLE 11 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-51E AIR DATA SYSTEM					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	3 6 7 4 15 8	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 43					
MAINTENANCE MANHOURS EXPENDED	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	3 4 3 5 14 2	AIR ABORTS TOTAL: 6	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 4 0 0 0 1
TOTAL: 31					
TOTAL EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 3 4 11 1	GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 25					
UNSCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 3 4 0 0	EQUIPMENT CANNIBALIZATION TOTAL: 17	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 5 1 1 8 2
TOTAL: 13					

TABLE 12 NUMBER OF MIFR'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-51N HORIZONTAL SITUATION INDICATOR					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 41	MRD	2	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	4		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	5		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	3		AIRCRAFT GENERAL	0
		18			0
		9			0
MAINTENANCE MANHOURS EXPENDED TOTAL: 33	MRD	1	AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	4		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	3		AIRCRAFT GENERAL	0
		17			0
		6			0
TOTAL EQUIPMENT REMOVALS TOTAL: 31	MRD	0	GROUND ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	7		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	2		AIRCRAFT GENERAL	0
		10			0
		10			0
UNSCHEDULED EQUIPMENT REMOVALS TOTAL: 11	MRD	0	EQUIPMENT CANNIBALIZATION TOTAL: 15	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	5
	ENVIRONMENTAL MAINTENANCE	7		ENVIRONMENTAL MAINTENANCE	5
	AIRCRAFT GENERAL	2		AIRCRAFT GENERAL	3
		0			2
		0			0

TABLE 13 NUMBER OF MIER'S DLTECTED AND RETAINED

EQUIPMENT TYPE: WUC-52A AUTO PILOT					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	3 7 6 7 14 10	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 47					
MAINTENANCE MANHOURS EXPENDED	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 5 2 6 7 2	AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 24					
TOTAL EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 7 6 8 14 8	GROUND ABORTS TOTAL: 13	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 2 1 2 6
TOTAL: 44					
UNSCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 7 7 9 0 0	EQUIPMENT CANNIBALIZATION TOTAL: 23	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 1 6 0 16 0
TOTAL: 24					

TABLE 14 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-63A UHF COMMUNICATIONS SET					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 7 4 13 6	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
MAINTENANCE MANHOOURS EXPENDED	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 2 10 5 14 3	AIR ABORTS TOTAL: 10	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 10 0 0 0
TOTAL: 36					
TOTAL EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 3 9 4 11 9	GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 36					
UNCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 3 9 4 0 0	EQUIPMENT CANNIBALIZATION TOTAL: 11	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 3 2 6 0 0
TOTAL: 16					

TABLE 15 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-65A IFF TRANSPONDER SET					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 21	MRD	2	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	4		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	4		AIRCRAFT GENERAL	0
		8			0
		0			0
MAINTENANCE MANHOURS EXPENDED TOTAL: 19	MRD	0	AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	1		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	4		AIRCRAFT GENERAL	0
		9			0
		2			0
TOTAL EQUIPMENT REMOVALS TOTAL: 11	MRD	1	GROUND ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	2		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	1		AIRCRAFT GENERAL	0
		3			0
		1			0
UNSCHEDULED EQUIPMENT REMOVALS TOTAL: 7	MRD	1	EQUIPMENT CANNIBALIZATION TOTAL: 8	MRD	2
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	4
	ENVIRONMENTAL MAINTENANCE	2		ENVIRONMENTAL MAINTENANCE	1
	AIRCRAFT GENERAL	1		AIRCRAFT GENERAL	0
		0			0
		0			1
		0			0

TABLE 16 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-71A INERTIAL NAVIGATION SET					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	3 7 6 3 0 3	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
MAINTENANCE MANHOURS EXPENDED	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 4 2 0 3	AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 22					
TOTAL EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 6 3 0 0 2	GROUND ABORTS TOTAL: 5	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 5 0 0 0 0
TOTAL: 11					
UNCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 6 2 2 0 0	EQUIPMENT CANNIBALIZATION TOTAL: 14	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 8 4 1 0 1
TOTAL: 11					

TABLE 17 NUMBER OF MIER'S DEFECTED AND RETAINED

EQUIPMENT TYPE: WUC-71C INSTRUMENT LANDING SET					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 4 4 16 1	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 4 4 16 1
MAINTENANCE MANHOURS EXPENDED	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 5 0 2 15 1	AIR REMOVALS TOTAL: 1	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 5 0 2 15 1
TOTAL: 25					
TOTAL EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 2 2 15 1	UNPLANNED REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 2 2 15 1
TOTAL: 22					
UNSCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 2 2 15 1	UNPLANNED REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 2 2 15 1
TOTAL: 22					

TABLE 19 NUMBER OF MIER'S DETECIED AND RETAINED

EQUIPMENT TYPE: WUC-71F ATTITUDE-HEADING REFERENCE SET					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 3 1 5 2	SCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 17			TOTAL: 0		
MAINTENANCE MANHOURS EXPENDED	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 0 1 3 2 3	AIR ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 11			TOTAL: 0		
TOTAL EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 3 2 1 4 2	GROUND ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 12			TOTAL: 0		
UNSCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 3 2 1 1 0 0	EQUIPMENT CANNIBALIZATION	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 1 0 0 0
TOTAL: 6			TOTAL: 2		1

TABLE 20 NUMBER OF MILR'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-74F RADAR SET					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 6 7 5 12 6	SCHEDULED EQUIPMENT REMOVALS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 38					
MAINTENANCE MANHOURS EXPENDED	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 5 7 4 7 3	AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 27					
TOTAL EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 9 4 5 13 5	GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 36					
UNSCHEDULED EQUIPMENT REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 8 1 5 0 0	EQUIPMENT CANNIBALIZATION TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 14					

TABLE 21 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-11A01 RADOME					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 1 10 6 11 0	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 29					
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 2 11 14 5 1	EQUIPMENT AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 34					
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 9 5 10 2	EQUIPMENT CANNIBALIZATIONS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 28					

TABLE 22 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-11A02 WINDSHIELD					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 3 7 4 8 2	EQUIPMENT GROUND ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 26			TOTAL: 0		
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 4 7 6 12 2	EQUIPMENT AIR ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 32			TOTAL: 0		
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 4 8 6 12 1	EQUIPMENT CANNIBALIZATIONS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 5 2 0
TOTAL: 31			TOTAL: 7		

TABLE 23 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-11K WINGS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 36	MRD	2	EQUIPMENT GROUND ABORTS TOTAL: 8	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	1
	ENVIRONMENTAL MAINTENANCE	11		ENVIRONMENTAL MAINTENANCE	7
	AIRCRAFT GENERAL	4		AIRCRAFT GENERAL	0
		10			0
EQUIPMENT TOTAL MAINTENANCE MANHOOURS TOTAL: 34	MRD	1	EQUIPMENT AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	10		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	6		AIRCRAFT GENERAL	0
		9			0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS TOTAL: 25	MRD	0	EQUIPMENT CANNIBALIZATIONS TOTAL: 20	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	7		ENVIRONMENTAL MAINTENANCE	7
	AIRCRAFT GENERAL	5		AIRCRAFT GENERAL	8
		10			4
		1			1

TABLE 24 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-12B SEATS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 30	MRD	3	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	4		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL	8		ENVIRONMENTAL	0
	MAINTENANCE	5		MAINTENANCE	0
	AIRCRAFT GENERAL	9		AIRCRAFT GENERAL	0
EQUIPMENT TOTAL MAINTENANCE MANHOURS TOTAL: 23	MRD	1	EQUIPMENT AIR ABORTS TOTAL: 1	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	1
	ENVIRONMENTAL	8		ENVIRONMENTAL	0
	MAINTENANCE	6		MAINTENANCE	0
	AIRCRAFT GENERAL	5		AIRCRAFT GENERAL	0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS TOTAL: 26	MRD	1	EQUIPMENT CANNIBALIZATIONS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	4		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL	8		ENVIRONMENTAL	0
	MAINTENANCE	4		MAINTENANCE	0
	AIRCRAFT GENERAL	8		AIRCRAFT GENERAL	0

TABLE 25 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-13A MAIN LANDING GEAR					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 7 8 6 11 11	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 45					
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 4 7 4 9 12	EQUIPMENT AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 36					
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 5 9 1 2 1	EQUIPMENT CANNIBALIZATIONS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 18					

TABLE 26 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-13D BRAKES					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 1 7 2 2 0	EQUIPMENT GROUND ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 4 7 7 4 0
TOTAL: 14			TOTAL: 22		
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 4 10 2 3 2	EQUIPMENT AIR ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 23			TOTAL: 0		
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 10 5 2 1	EQUIPMENT CANNIBALIZATIONS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 8 1 7 0
TOTAL: 20			TOTAL: 18		

TABLE 27 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-14C STABILATOR					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD	2	EQUIPMENT	MRD	0
	EQUIPMENT	2	GROUND ABORTS	EQUIPMENT	0
	OPERATIONS	7		OPERATIONS	0
	ENVIRONMENTAL	5		ENVIRONMENTAL	0
	MAINTENANCE	9		MAINTENANCE	0
TOTAL: 26	AIRCRAFT GENERAL	1	TOTAL: 0	AIRCRAFT GENERAL	0
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD	2	EQUIPMENT	MRD	0
	EQUIPMENT	3	AIR ABORTS	EQUIPMENT	0
	OPERATIONS	4		OPERATIONS	0
	ENVIRONMENTAL	4		ENVIRONMENTAL	0
	MAINTENANCE	5		MAINTENANCE	0
TOTAL: 19	AIRCRAFT GENERAL	1	TOTAL: 0	AIRCRAFT GENERAL	0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD	1	EQUIPMENT	MRD	0
	EQUIPMENT	1	CANNIBALIZATIONS	EQUIPMENT	0
	OPERATIONS	2		OPERATIONS	0
	ENVIRONMENTAL	4		ENVIRONMENTAL	4
	MAINTENANCE	3		MAINTENANCE	1
TOTAL: 12	AIRCRAFT GENERAL	1	TOTAL: 7	AIRCRAFT GENERAL	2

TABLE 28 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-140 RUDDER					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 0 9 7 9 0	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 27					
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 0 8 8 4 0	EQUIPMENT AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 21					
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 3 15 7 0	EQUIPMENT CANNIBALIZATIONS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 25					

TABLE 29 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-14H FLAPS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD	3	EQUIPMENT	MRD	0
	EQUIPMENT OPERATIONS	5	GROUND ABORTS	EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	6		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	3		AIRCRAFT GENERAL	0
TOTAL: 29		11	TOTAL: 0		0
		1			
EQUIPMENT TOTAL MAINTENANCE MANHOOURS	MRD	2	EQUIPMENT	MRD	0
	EQUIPMENT OPERATIONS	4	AIR ABORTS	EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	7		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	4		AIRCRAFT GENERAL	0
TOTAL: 28		9	TOTAL: 0		0
		2			
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD	0	EQUIPMENT	MRD	0
	EQUIPMENT OPERATIONS	3	CANNIBALIZATIONS	EQUIPMENT OPERATIONS	2
	ENVIRONMENTAL MAINTENANCE	7		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	4		AIRCRAFT GENERAL	7
TOTAL: 23		9	TOTAL: 12		2
		0			1

TABLE 30 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-41A WATER SEPARATOR					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD	3	EQUIPMENT GROUND ABORTS	MRD	0
	EQUIPMENT OPERATIONS	1		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	0		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	3		AIRCRAFT GENERAL	0
	TOTAL: 9	1		TOTAL: 0	0
EQUIPMENT TOTAL MAINTENANCE MANIHOUS	MRD	2	EQUIPMENT AIR ABORTS	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	1		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	5		AIRCRAFT GENERAL	0
	TOTAL: 13	2		TOTAL: 0	0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD	0	EQUIPMENT CANNIBALIZATIONS	MRD	0
	EQUIPMENT OPERATIONS	0		EQUIPMENT OPERATIONS	1
	ENVIRONMENTAL MAINTENANCE	3		ENVIRONMENTAL MAINTENANCE	7
	AIRCRAFT GENERAL	2		AIRCRAFT GENERAL	5
	TOTAL: 9	2		TOTAL: 21	8
					0

TABLE 31 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-42A GENERATOR ASSEMBLY					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 35	MRD	2	EQUIPMENT GROUND ABORTS TOTAL: 13	MRD	0
	EQUIPMENT OPERATIONS	4		EQUIPMENT OPERATIONS	1
	ENVIRONMENTAL MAINTENANCE	11		ENVIRONMENTAL MAINTENANCE	6
	AIRCRAFT GENERAL	1		AIRCRAFT GENERAL	0
		6			6
EQUIPMENT TOTAL MAINTENANCE MANHOURS TOTAL: 20	MRD	2	EQUIPMENT AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	2		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	3		AIRCRAFT GENERAL	0
		6			0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS TOTAL: 30	MRD	0	EQUIPMENT CANNIBALIZATIONS TOTAL: 11	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	2
	ENVIRONMENTAL MAINTENANCE	8		ENVIRONMENTAL MAINTENANCE	4
	AIRCRAFT GENERAL	5		AIRCRAFT GENERAL	1
		10			2
		4			2

TABLE 32 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-44A01 ANTI-COLLISION LIGHTS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 5 6 7 10 0	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 1 0 1 1 0
TOTAL: 30					
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 5 5 6 8 1	EQUIPMENT AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 27					
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 5 5 5 8 1	EQUIPMENT CANNIBALIZATIONS TOTAL: 9	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 1 0
TOTAL: 25					

TABLE 33 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-44A02 LANDING/TAXI LIGHTS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 3 6 3 10 3	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 27					
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 2 8 5 9 1	EQUIPMENT AIR ABORTS TOTAL: 0	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 26					
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 1 2 5 4 1	EQUIPMENT CANNIBALIZATIONS TOTAL: 7	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 2 3 0 2
TOTAL: 13					

TABLE 34 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-45A HYDRAULIC PUMPS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	2 2 7 8 3 11	EQUIPMENT GROUND ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 33			TOTAL: 0		
EQUIPMENT TOTAL MAINTENANCE MAN/OURS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	1 1 7 11 5 12	EQUIPMENT AIR ABORTS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 37			TOTAL: 0		
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 2 12 8 4 10	EQUIPMENT CANNIBALIZATIONS	MRD EQUIPMENT OPERATIONS ENVIRONMENTAL MAINTENANCE AIRCRAFT GENERAL	0 0 0 0 0 0
TOTAL: 36			TOTAL: 0		

TABLE 35 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-46A FUEL TANKS					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 25	MRD	1	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	1		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	6		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	7		AIRCRAFT GENERAL	0
		8			0
		2			0
EQUIPMENT TOTAL MAINTENANCE MANHOOURS TOTAL: 22	MRD	0	EQUIPMENT AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	0		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	5		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	11		AIRCRAFT GENERAL	0
		3			0
		3			0
EQUIPMENT TOTAL UNSCHEDULED REFUELS TOTAL: 32	MRD	0	EQUIPMENT CANNIBALIZATIONS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	1		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	10		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	8		AIRCRAFT GENERAL	0
		3			0
		10			0

TABLE 36 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-47A01 OXYGEN REGULATOR					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 17	MRD	2	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	1		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	2		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	8		AIRCRAFT GENERAL	0
		2			0
EQUIPMENT TOTAL MAINTENANCE MANHOURS TOTAL: 17	MRD	0	EQUIPMENT AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	2		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	6		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	6		AIRCRAFT GENERAL	0
		1			0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS TOTAL: 18	MRD	0	EQUIPMENT CANNIBALIZATIONS TOTAL: 9	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	6		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	6		AIRCRAFT GENERAL	5
		1			2
		2			2

TABLE 37 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-47A02 LOX CONVERTER					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND TOTAL: 39	MRD	2	EQUIPMENT GROUND ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	7		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	7		AIRCRAFT GENERAL	0
		13			0
EQUIPMENT TOTAL MAINTENANCE MANHOURS TOTAL: 40	MRD	1	EQUIPMENT AIR ABORTS TOTAL: 0	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	6		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	12		AIRCRAFT GENERAL	0
		7			0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS TOTAL: 18	MRD	11	EQUIPMENT CANNIBALIZATIONS TOTAL: 12	MRD	0
	EQUIPMENT OPERATIONS	1		EQUIPMENT OPERATIONS	3
	ENVIRONMENTAL MAINTENANCE	2		ENVIRONMENTAL MAINTENANCE	1
	AIRCRAFT GENERAL	3		AIRCRAFT GENERAL	4
		3			2

TABLE 38 NUMBER OF MIER'S DETECTED AND RETAINED

EQUIPMENT TYPE: WUC-49A FIRE DETECTION					
MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.	MAINTENANCE RESOURCE DEMAND	MAINTENANCE IMPACT PARAMETER CATEGORY	NO.
MAINTENANCE ACTION DEMAND	MRD	2	EQUIPMENT GROUND ABORTS	MRD	0
	EQUIPMENT OPERATIONS	3		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	0		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	8		AIRCRAFT GENERAL	0
	TOTAL: 19	5		TOTAL: 0	0
EQUIPMENT TOTAL MAINTENANCE MANHOURS	MRD	1	EQUIPMENT AIR ABORTS	MRD	0
	EQUIPMENT OPERATIONS	1		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	4		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	9		AIRCRAFT GENERAL	0
	TOTAL: 20	3		TOTAL: 0	0
EQUIPMENT TOTAL UNSCHEDULED REMOVALS	MRD	0	EQUIPMENT CANNIBALIZATIONS	MRD	0
	EQUIPMENT OPERATIONS	1		EQUIPMENT OPERATIONS	0
	ENVIRONMENTAL MAINTENANCE	2		ENVIRONMENTAL MAINTENANCE	0
	AIRCRAFT GENERAL	6		AIRCRAFT GENERAL	0
	TOTAL: 13	2		TOTAL: 0	0

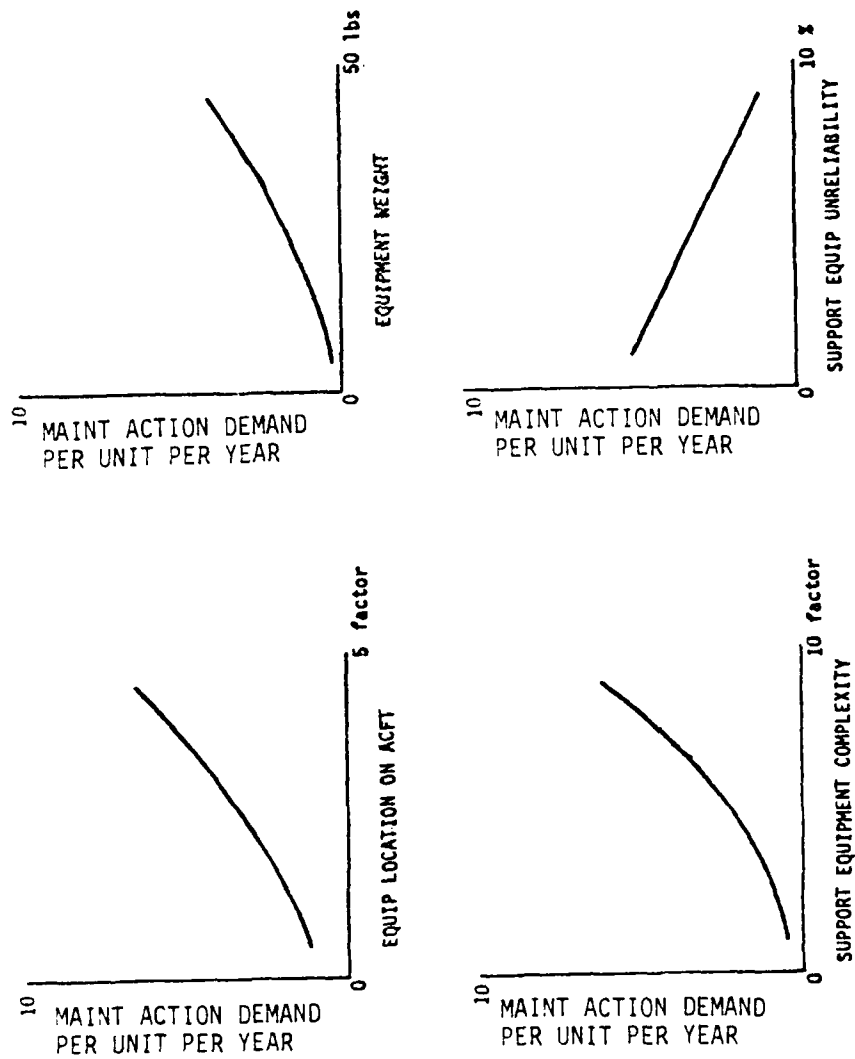


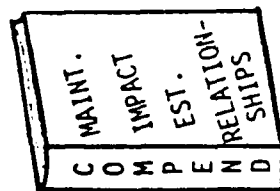
FIGURE 5 TYPICAL MIER'S (TACAN SET)

5. TASK V - SUMMARY

This task included the quantification and normalization of the source data accumulated during the first four tasks, and the tabulation of this data into a Master Input Data File (see Appendix A) suitable for computer input and processing. Processing the data with the "PKING" crossplotting and regression analysis program resulted in the generation of 26,460 scattergrams of the selected Maintenance Resource Demand (MRD) parameters as functions of the various candidate Maintenance Impact Parameters in the categories of MRD, Equipment, Operations, Environmental, Maintenance, and Aircraft General. These scattergrams were screened according to the criteria of (1) 0.5 or better correlation coefficient of regression; or -- (2) Visually apparent curvilinear relationship; with -- (3) Acceptable data point distribution; and -- (4) At least 5 data points, 4 of which are non-zero in both ordinate abscissa. The screening process resulted in the rejection of 91% of the trial relationships tested. The remaining 9% (2,409 scattergrams) were collated in a Maintenance Impact Estimating Relationship (MIER) catalog and published as Boeing supplements to this report. Eight hundred forty-eight of these relationships involved the MRD parameter "Maintenance Action Demand" as a function of various Maintenance Impact Parameters. These significant relationships were used to influence or develop better metrics from LCOM during Tasks VI and VII. The remaining 1,561 MIER's composed of the other MRD functions have been cataloged in Supplement I and Supplement II to this report and are available for future studies and related research. Figure 6 summarizes the breakdown of the scattergrams generated, tested, and retained.

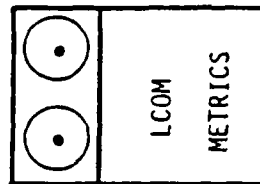
AIRCRAFT GENERAL 11%	EQUIPMENT & MRD 21%	MAINTENANCE 22%	ENVIRONMENT 22%	OPS 24%

SCATTERPLOTS 26,460
GENERATED
AND TESTED



9%

2409
MIERS
DETECTED



3%

848
MAD
MIERS

FIGURE 6 TASK 5 - SUMMARY

III - CONCLUSION

1. SYNOPSIS

This report describes the work accomplished under Task V of an eight task study to: "Develop Maintenance METRICS To Forecast Resource Demands of Weapon Systems." The work discussed in this interim report was accomplished between 1 August 1978 and 15 October 1979 during Phase I of this study (examination of aircraft avionics and engines), and Phase II (examination of remaining aircraft systems). The purpose of Task V was to detect and derive significant causal relationships between Maintenance Resource Demands and selected candidate Maintenance Impact Parameters utilizing the data base of historical field experience data accumulated on these parameters during the first four tasks of the study. The significant relationships thus derived from the source material for developing improved LCOM maintenance metrics during Tasks VI and VII of this study.

Results of work accomplished during this task and included in this report are: 1) development of 848 Maintenance Action Demand MIER's to be used to develop improved LCOM maintenance metrics under Tasks VI and VII; 2) development 1,561 other Maintenance Resource Demand MIER's which are now available as source data for follow-on and related research.

2. PROBLEMS

No significant problems were encountered during the Phase I and Phase II work on Task V. All intended work was accomplished on schedule and within the resources budgeted for this portion of the study.

THE **BOEING** COMPANY

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL
A	Complete Revision.		GR Herrold

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GLOSSARY OF ABBREVIATIONS

ACFT	Aircraft
AFB	Air Force Base
AFHRL	Air Force Human Resources Laboratory
AFMEA	Air Force Management Engineering Agency
AGE	Aerospace Ground Equipment
AMS	Avionics Maintenance Squadron
AVG	Average
BIT	Built In Test
BMW	Bomb Wing
CU	Cubic
EAC	Experience Analysis Center
FOD	Foreign Objects Damage
FT	Feet
FTW	Fighter Training Wing
HF	High Frequency
HR	Hour
HRS	Hours
IFF	Identify Friend or Foe
LB's	Pounds
LOOM	Logistic Composite Model
MAC	Military Airlift Command
MAINT	Maintenance
MAW	Military Airlift Wing
MH	Manhour
MIER	Maintenance Impact Estimating Relationship

GLOSSARY OF ABBREVIATIONS CONT'D

MIN	Minute
MMH	Maintenance Manhour
MMM	Maintenance Manpower Model
MO	Month
MRO	Maintenance Resource Demand
NO	Number
NORM	Not Operational Ready Maintenance
NORS	Not Operational Ready Supply
OCALC	Oklahoma City Air Logistics Center
OR	Operational Ready
ORG	Organization
O&S	Operations and Support
SAALC	San Antonio Air Logistics Center
SAC	Strategic Air Command
SPSS	Statistical Package for the Social Sciences
SRU	Shop Removable Unit
TAC	Tactical Air Command
TACAN	Tactical Air Navigation
TFW	Tactical Fighter Wing
TO	Technical Order
TTW	Tactical Training Wing
UHF	Ultra High Frequency
USAFE	United States Air Forces Europe
WUC	Work Unit Code
WT	Weight

APPENDIX A

STUDY PARAMETER IDENTIFICATION

AND

INPUT DATA TABLES

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TABLE A-1 ENGINE PARAMETERS

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
P01	Maint. Action Demand Per Acft.	Real	No./Acft.
P02	Total No. of Installed Engines	Real	Total Number
P03	Take-Off Thrust Per Engine	Real	LB's/10
P04	Weight Per Engine	Real	LB's/10
P05	Volume Per Engine	Real	Cu. Ft./10
P06	Density Per Engine	Real	Cu. Ft./10 (Transform P04, P05)
P07	No. Compressor Sections Per Engine	Real	Number
P08	No. Compressor Blades Per Engine	Real	Number
P09	Turbine Section Size	Real	Feet
P10	Max. Engine Combustion Temp.	Real	Degrees "C"
P11	Max. Engine Fuel Flow	Real	LB's/Hr.
P12	Min. Engine Fuel Flow	Real	LB's/Hr.
P13	Engine Prime Depot	Scaled	Number (Scaled Value)
P14	Engine Age Availability	Real	Percent

TABLE A-1 ENGINE PARAMETERS
CONT'D

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL / SCALED	UNIT OF MEASURE
P15	Engine Age Unreliability	Real	Percent
P16	Engine Vibration Factors	Scaled	Weighted Value
P17	Total Maint. Manhours Per Installed Engine	Real	Manhours
P18	Total Engine Maint. Manhours Per Acft.	Real	No./Acft.
P19	Total Engine Removals Per Acft.	Real	No./Acft.
P20	Unscheduled Engine Removals Per Acft.	Real	No./Acft.
P21	Scheduled Engine Removals Per Acft.	Real	No./Acft.
P22	Engine Ground Aborts Per Acft.	Real	No./Acft.
P23	Engine Air Aborts Per Acft.	Real	No./Acft.
P24	Engine Parts Cannibalization Per Acft.	Real	No./Acft.

TABLE A-2 SYSTEM 23 ENGINE PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITTURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
P01	28.10	56.63	116.87	49.91	193.47	77.52	18.88	0.42	8.74
P02	58.00	64.00	120.00	64.00	128.00	108.00	166.00	38.00	46.00
P03	2394.30	2500.00	1100.00	2000.00	2100.00	1120.00	384.90	906.90	906.50
P04	302.10	300.00	380.70	490.00	461.20	432.00	51.60	142.70	142.70
P05	6.19	6.20	11.41	20.76	18.89	11.41	2.07	8.80	8.80
P06	48.80	48.38	33.37	23.60	24.42	37.86	24.93	16.22	16.22
P07	2.00	2.00	2.00	3.00	2.00	2.00	8.00	2.00	2.00
P08	982.00	982.00	1135.00	1024.00	1087.00	1135.00	807.00	1091.00	1091.00
P09	1.85	1.85	2.19	Void	1.34	2.19	1.40	2.00	2.00
P10	990.00	990.00	680.00	1213.00	555.00	730.00	925.00	860.00	860.00
P11	3940.00	4000.00	1250.00	5600.00	1200.00	1250.00	810.00	413.00	413.00
P12	Void	1000.00	1050.00	8600.00	1000.00	1050.00	2400.00	225.00	225.00
P13	2.00	2.00	1.00	1.00	1.00	1.00	3.00	4.00	4.00
P14	100.00	95.00	95.00	100.00	100.00	95.00	100.00	75.00	100.00
P15	2.50	5.00	1.50	5.00	0.00	1.50	2.00	75.00	80.00
P16	1.00	1.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00
P17	306.15	164.67	129.84	295.30	410.21	154.74	223.29	2.48	100.13
P18	612.30	329.33	1038.75	590.60	1640.82	618.92	446.57	4.97	200.25
P19	20.72	16.06	26.07	13.19	70.81	15.04	9.24	0.21	3.09
P20	18.34	15.72	26.00	12.63	59.25	14.93	9.21	0.21	3.09
P21	3.00	0.34	0.07	0.56	1.56	0.11	0.04	0.00	0.00
P22	1.38	1.16	0.27	0.53	0.34	0.07	2.63	0.74	0.65
P23	0.90	0.38	0.00	0.41	0.50	0.04	1.05	0.32	0.65
P24	0.41	12.84	Void	1.62	1.50	Void	6.01	6.05	3.57

TABLE A-3 AVIONICS PARAMETERS

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
A01	Maint. Action Demand Per Acft.	Real	No./Acft.
A02	Equipment Location on Acft.	Scaled	Weighted Number
A03	Equipment Weight	Real	LB's
A04	Equipment Volume	Real	Cu. In.
A05	SRU Count	Real	Number of SRU's
A06	Operating Temperature	Scaled	Weighted Number
A07	Cooling Method	Scaled	Weighted Number
A08	Protection Devices	Scaled	Weighted Number
A09	Number of Test Points (Org. Level)	Real	Number
A10	Required Age	Scaled	Weighted Number
A11	Age Availability	Real	Percent
A12	Age Unreliability	Real	Percent
A13	Avg. Operating Time Per Sortie	Real	Hours
A14	Failure/Malfunction Causes	Scaled	Weighted Number

TABLE A-3 AVIONICS PARAMETERS
CONT'D

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
A15	Retest OK Rate	Real	Percent
A16	On-Off Cycles Per Flying Hour	Real	Number/10 Fly Hr.
A17	On-Off Cycles Per Sortie	Real	Number/Sortie
A18	Ground/Flight Operating Ratio	Real	Percent
A19	Failure/Abort Ratio	Real	Percent
A20	Equipment Density	Real	Cu. In. (Transform A03, A04)
A21	Equipment Total Maint. Man Hr. Per Acft.	Real	No./Acft.
A22	Equipment Total Removals Per Acft.	Real	No./Acft.
A23	Equipment Unscheduled Removals Per Acft.	Real	No./Acft.
A24	Equipment Scheduled Removals Per Acft.	Real	No./Acft.
A25	Equipment Ground Aborts Per Acft.	Real	No./Acft.
A26	Equipment Air Aborts Per Acft.	Real	No./Acft.
A27	Equipment Cannibalizations Per Acft.	Real	No./Acft.

TABLE A-4 SYSTEM 51A FLIGHT INDICATORS PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	1.58	0.88	0.80	7.19	6.63	0.70	2.84	0.05	1.48
A02	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
A03	2.72	0.72	3.00	8.09	5.08	1.00	4.75	0.56	1.29
A04	65.30	70.14	192.00	178.90	157.89	75.38	131.45	66.74	39.18
A05	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A06	71.00	47.00	47.00	58.50	85.00	47.00	76.70	60.00	69.00
A07	1.76	1.00	1.00	1.00	1.00	1.00	1.00	1.00	4.00
A08	3.80	4.00	0.00	0.00	0.92	0.00	4.00	0.00	0.78
A09	0.00	1.00	3.00	0.00	0.00	1.37	0.00	0.00	0.00
A10	6.00	4.00	4.00	6.00	6.00	4.00	4.00	0.00	1.72
A11	87.00	100.00	100.00	96.00	96.00	100.00	100.00	Void	44.00
A12	24.00	5.00	0.00	5.00	5.00	0.00	0.00	Void	7.00
A13	1.26	1.51	8.25	3.75	3.76	4.95	1.38	1.90	2.05
A14	3.30	5.00	5.00	5.00	5.00	5.00	5.00	3.04	4.50
A15	0.00	20.10	5.00	21.00	19.00	0.00	20.00	100.00	7.00
A16	7.94	6.62	1.21	2.67	2.66	2.02	7.25	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A18	5.00	25.00	17.00	56.00	231.00	100.00	248.00	200.00	10.00
A19	76.00	78.20	100.00	94.00	67.00	100.00	62.00	100.00	94.00
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	10.13	5.90	3.40	29.30	21.01	2.61	12.82	0.13	7.37
A22	1.13	0.66	0.13	4.66	2.44	0.26	2.84	0.05	1.17
A23	1.13	0.66	0.13	4.66	2.44	0.26	2.84	0.05	1.17
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.03	0.00	0.00	0.00	3.00	0.00	0.10	0.00	0.00
A26	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.00	0.00
A27	0.21	0.09	0.00	1.22	0.31	0.00	0.48	0.47	0.30

TABLE A-5 SYSTEM 51E AIR DATA SYSTEM PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	1.38	0.94	3.47	7.13	7.88	3.30	1.34	0.05	0.43
A02	3.00	3.00	2.04	4.60	3.00	1.00	2.47	3.08	3.60
A03	14.70	12.44	5.06	29.26	34.80	2.07	4.17	14.73	3.43
A04	569.04	461.04	268.96	1324.86	557.48	180.10	283.70	848.10	234.63
A05	16.84	1.00	1.00	12.61	1.00	2.17	1.00	1.00	1.00
A06	71.00	56.49	32.00	44.00	85.00	47.00	69.00	63.00	70.00
A07	1.00	1.73	1.08	1.00	1.00	1.13	1.00	1.98	1.90
A08	4.88	4.00	1.57	0.40	4.00	0.00	3.41	0.04	4.20
A09	0.00	16.14	1.04	0.00	0.85	0.00	0.00	0.00	0.00
A10	6.00	4.31	4.19	4.82	6.00	5.00	4.00	4.00	4.33
A11	99.00	100.00	88.00	99.00	100.00	96.00	100.00	89.00	70.00
A12	14.00	1.35	0.00	5.00	2.00	1.00	0.00	10.00	45.00
A13	1.26	1.51	8.25	3.75	3.76	4.37	1.38	1.90	2.05
A14	5.00	5.00	2.92	5.00	5.00	1.76	5.72	1.00	5.00
A15	0.00	15.40	22.00	2.00	25.00	76.00	27.00	Void	0.00
A16	7.94	6.62	1.21	2.67	2.66	2.29	7.25	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.39	1.00	1.00	1.00
A18	78.00	25.00	72.00	50.00	300.00	1.00	12.00	2.00	6.00
A19	100.00	70.00	60.00	77.00	59.00	50.00	75.00	95.00	88.00
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	33.62	14.86	34.04	76.99	59.57	15.65	9.98	0.07	2.28
A22	1.21	0.47	1.13	5.16	5.41	0.89	1.34	0.00	0.35
A23	1.21	0.47	1.13	5.16	5.41	0.89	1.34	0.00	0.35
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.21	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00
A26	0.03	0.00	0.00	0.16	0.06	0.00	0.01	0.00	0.00
A27	0.69	0.25	0.13	1.03	0.38	0.00	0.04	0.26	0.39

TABLE A-6 SYSTEM 51N HORIZONTAL SITUATION INDICATING PARAMETER INPUT DATA

VARIABLE I.O. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	1.28	2.09	5.27	2.25	5.50	1.56	1.69	0.00	1.26
A02	0.78	1.72	1.00	1.30	1.58	1.00	1.00	2.00	1.76
A03	6.85	4.44	5.32	5.90	7.74	3.49	8.50	5.25	4.71
A04	750.12	224.40	406.08	339.15	377.40	390.60	202.50	303.50	284.66
A05	2.76	0.00	1.00	1.00	1.00	1.98	1.00	2.00	1.76
A06	65.71	52.30	47.00	47.15	85.00	47.00	69.00	69.00	69.00
A07	2.00	1.36	1.00	1.00	1.00	1.49	1.00	2.50	2.86
A08	8.80	4.00	0.00	0.00	4.00	0.00	4.00	0.00	0.00
A09	0.00	9999.00	0.00	0.00	0.00	0.00	0.00	9.00	6.84
A10	6.00	4.00	5.00	6.00	6.00	5.00	4.00	3.00	3.00
A11	100.00	100.00	95.00	91.00	100.00	98.00	100.00	93.00	94.00
A12	2.00	5.00	0.00	19.00	2.00	5.00	0.00	13.00	12.00
A13	1.26	1.51	8.25	3.75	3.76	4.95	1.38	1.90	2.05
A14	4.22	5.36	5.00	5.00	5.00	5.00	5.00	5.50	5.38
A15	2.20	20.00	0.00	30.00	19.00	0.00	20.00	Void	13.00
A16	7.94	6.62	1.21	2.67	2.66	2.02	7.25	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A18	200.00	263.00	17.00	67.00	371.00	0.00	20.00	5.00	6.00
A19	99.00	80.00	100.00	80.00	72.00	100.00	60.00	Void	87.00
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	16.56	15.79	25.89	10.53	28.64	8.55	5.61	0.00	7.69
A22	0.97	1.22	3.87	1.66	2.75	1.19	1.69	0.00	1.09
A23	0.97	1.22	3.87	1.66	2.75	1.19	1.69	0.00	1.09
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
A26	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A27	0.76	0.31	0.60	0.19	0.13	0.15	0.19	0.05	0.04

TABLE A-7 SYSTEM 52A AUTOPILOT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	1.21	0.88	7.53	9.91	7.59	5.67	0.46	0.11	1.13
A02	1.00	3.00	1.79	3.00	4.50	5.04	3.86	2.00	2.70
A03	11.75	11.00	30.55	17.78	2.27	18.14	2.35	4.50	6.95
A04	607.68	432.00	1760.02	827.96	370.42	976.09	44.61	234.00	334.80
A05	17.15	6.00	4.15	12.80	1.66	4.32	1.32	7.50	7.85
A06	71.00	47.00	47.00	44.00	61.00	47.00	74.05	63.00	69.00
A07	1.00	2.00	3.37	1.66	1.00	1.96	1.00	1.00	1.00
A08	5.00	4.00	0.42	0.00	4.00	0.00	4.00	4.00	4.00
A09	0.00	1.00	0.00	0.00	3.28	0.00	0.34	62.00	95.60
A10	6.00	5.00	1.99	6.00	6.00	6.00	4.00	3.00	3.00
A11	100.00	100.00	100.00	90.00	95.00	100.00	99.00	100.00	100.00
A12	11.00	5.00	0.00	20.00	5.00	0.00	18.00	5.00	5.00
A13	1.26	1.51	7.43	3.75	3.76	6.01	1.22	1.90	2.05
A14	5.00	5.00	5.22	5.00	5.00	5.00	5.00	5.00	4.30
A15	50.00	21.96	57.00	19.00	33.00	25.00	17.00	28.00	43.00
A16	7.94	6.62	1.35	2.67	2.66	1.66	8.20	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A18	200.00	542.40	11.00	134.00	200.00	20.00	3.00	20.00	20.00
A19	94.00	83.85	80.00	78.00	59.00	85.00	83.00	88.00	82.00
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	44.27	27.72	66.39	144.47	50.87	42.89	8.45	0.54	18.04
A22	1.03	0.84	6.53	9.22	7.16	5.44	0.46	0.11	1.04
A23	1.03	0.84	6.53	9.22	7.16	5.44	0.46	0.11	1.04
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.07	0.03	0.00	0.06	0.00	0.00	0.02	0.00	0.04
A26	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
A27	0.76	0.41	0.40	2.19	2.63	0.11	0.02	0.21	1.13

TABLE A-8 SYSTEM 63A UHF COMMUNICATION SET PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	F8-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	4.31	5.03	6.93	7.34	24.00	12.26	4.25	0.00	0.00
A02	3.00	3.00	5.35	1.63	2.72	1.00	2.00	1.00	1.00
A03	26.43	26.00	39.55	19.19	47.87	41.65	45.50	9.30	9.25
A04	802.50	750.90	1395.00	596.56	1526.90	1474.15	1583.90	241.60	241.63
A05	12.28	9.62	6.22	7.30	8.74	6.52	8.00	5.00	5.00
A06	47.50	47.00	32.00	80.00	60.80	32.00	32.00	60.00	47.30
A07	1.82	2.00	1.00	1.63	1.86	1.00	2.00	1.00	1.00
A08	3.18	7.00	0.00	1.83	4.00	0.00	4.00	3.00	4.00
A09	71.20	0.00	10.44	30.50	0.86	11.04	0.00	37.00	18.00
A10	6.00	6.00	4.00	5.22	6.00	4.00	4.00	4.00	2.00
A11	99.00	95.00	91.00	100.00	96.00	91.00	100.00	100.00	85.00
A12	5.00	2.00	0.00	7.00	6.00	0.00	0.00	0.00	10.00
A13	1.26	1.51	8.25	3.75	3.76	4.95	1.38	1.90	2.05
A14	6.00	7.00	4.13	4.26	5.90	2.24	5.00	5.00	5.00
A15	43.00	10.00	8.70	8.00	22.00	9.00	20.00	0.00	15.00
A16	7.94	6.62	1.21	2.67	2.66	2.02	7.25	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A18	43.00	25.00	13.00	10.00	1000.00	17.00	200.00	5.00	25.00
A19	92.00	98.10	Void	97.00	Void	91.00	95.00	95.00	80.00
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	72.93	44.20	79.53	95.02	267.50	39.41	39.44	0.00	8.16
A22	3.52	2.91	5.13	4.50	11.38	8.81	4.20	0.00	0.52
A23	3.52	2.91	5.13	4.50	11.38	8.81	4.20	0.00	0.52
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.07	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
A26	0.07	0.00	0.07	0.00	0.00	0.00	0.20	0.00	0.04
A27	2.41	0.00	0.20	0.56	0.16	0.00	0.00	0.21	0.09

TABLE A-9 SYSTEM 65A TRANSPONDER SET PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	0.90	2.22	2.47	3.03	2.44	1.07	2.22	0.11	0.00
A02	3.00	3.00	3.00	7.00	3.00	1.00	1.33	2.00	2.00
A03	14.30	14.30	10.50	29.00	27.00	11.03	11.74	14.40	14.40
A04	380.16	376.00	3058.56	1844.00	1435.10	3127.68	465.23	313.80	378.32
A05	8.00	19.00	8.27	9.00	7.84	8.31	3.97	22.00	19.00
A06	105.80	60.00	47.00	40.00	61.00	47.00	63.39	60.00	69.00
A07	1.00	1.00	2.03	1.00	1.00	1.31	1.33	1.00	1.00
A08	3.00	7.00	4.00	4.00	4.00	4.00	4.00	3.00	4.00
A09	5.00	0.00	23.21	51.00	0.00	24.13	0.00	89.00	100.00
A10	6.00	6.00	3.38	4.00	6.00	3.61	4.00	4.00	4.00
A11	99.00	95.00	95.00	106.00	95.00	95.00	100.00	100.00	95.00
A12	1.00	2.00	4.00	10.00	0.00	3.00	0.00	2.00	15.00
A13	1.26	1.51	8.25	3.75	3.76	4.95	1.38	1.90	2.05
A14	5.00	7.00	5.00	1.00	5.10	5.00	5.67	6.00	5.00
A15	75.00	10.00	43.00	20.00	0.00	43.00	17.00	5.00	25.00
A16	7.94	6.62	1.21	2.67	2.66	2.02	7.25	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A18	50.00	25.00	6.00	10.00	1.00	7.00	0.00	5.00	25.00
A19	Void	90.00	61.00	90.00	100.00	62.00	98.00	95.00	Void
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	24.17	32.87	17.11	66.39	33.56	6.74	10.12	0.83	14.43
A22	0.79	1.53	1.73	2.66	1.66	0.63	2.22	0.11	0.39
A23	0.70	1.53	1.73	2.66	1.66	0.63	2.22	0.11	0.39
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A26	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
A27	0.34	0.13	0.00	1.09	0.06	0.00	0.04	0.11	0.00

TABLE A-10 SYSTEM 71A INERTIAL NAVIGATION SET PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	5.45	4.34	N/A	18.03	0.31	N/A	9.00	N/A	N/A
A02	2.30	2.52		2.00	2.40		7.00		
A03	28.80	32.32		53.28	39.90		15.00		
A04	1171.60	1387.20		2360.31	1280.50		6.00		
A05	11.15	18.65		51.10	Void		1.00		
A06	47.50	47.00		44.00	98.60		69.00		
A07	1.30	2.00		2.00	1.70		1.00		
A08	5.00	7.04		0.62	3.70		0.00		
A09	0.00	0.00		0.00	0.00		0.00		
A10	6.00	6.00		6.00	6.00		1.00		
A11	100.00	40.00		75.00	Void		1.00		
A12	14.00	15.00		5.00	Void		0.00		
A13	1.26	1.93		3.75	3.76		1.38		
A14	5.00	5.00		5.00	5.00		6.00		
A15	37.00	20.65		23.00	0.00		Void		
A16	7.94	5.18		2.67	2.66		Void		
A17	1.00	1.00		1.00	1.00		Void		
A18	23.00	162.00		162.00	13.00		Void		
A19	100.00	99.25		80.00	100.00		Void		
A20	Void	Void		Void	Void		Void		
A21	88.20	80.07		380.44	1.69		0.00		
A22	4.97	3.72		17.19	0.25		0.00		
A23	4.97	3.72		17.19	0.25		0.00		
A24	0.00	0.00		0.00	0.00		0.00		
A25	0.13	0.09		0.00	0.00		0.00		
A26	0.00	0.00		0.00	0.00		0.00		
A27	4.00	3.06	N/A	4.84	0.06	N/A	0.00	N/A	N/A

TABLE A-11 SYSTEM 71C INSTRUMENT LANDING SET PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	0.52	0.03	0.93	1.00	1.94	0.26	0.76	N/A	N/A
A02	3.00	N/A	1.02	3.00	3.00	1.00	2.00	N/A	N/A
A03	6.50		7.97	7.63	4.04	5.00	7.88	N/A	N/A
A04	16.76		302.20	287.98	102.14	306.42	307.88	N/A	N/A
A05	10.00		1.00	5.00	3.42	1.14	4.26	N/A	N/A
A06	35.00		47.00	46.40	71.66	47.00	46.00	N/A	N/A
A07	1.00		3.97	1.00	1.00	2.00	2.00	N/A	N/A
A08	3.00		4.00	0.00	4.00	4.00	4.00	N/A	N/A
A09	Void		10.00	10.00	0.00	8.00	0.00	N/A	N/A
A10	Void		Void	Void	Void	Void	Void	N/A	N/A
A11	99.00		100.00	90.00	95.00	100.00	100.00	N/A	N/A
A12	1.00		10.00	10.00	5.00	10.00	0.00	N/A	N/A
A13	1.26		1.57	3.75	3.76	4.45	1.38	N/A	N/A
A14	5.00		5.00	6.00	5.00	5.00	5.00	N/A	N/A
A15	Void		15.00	0.00	25.00	3.00	5.00	N/A	N/A
A16	7.94		1.90	2.67	2.66	2.24	7.25	N/A	N/A
A17	1.00		1.00	1.00	1.00	1.00	1.00	N/A	N/A
A18	1.00		5.00	10.00	10.00	44.00	0.00	N/A	N/A
A19	65.00		Void	80.00	75.00	Void	95.00	N/A	N/A
A20	Void	N/A	Void	Void	Void	Void	Void	N/A	N/A
A21	5.33	1.27	9.17	15.43	13.55	3.74	4.46	N/A	N/A
A22	0.34	0.03	0.87	0.81	1.41	0.22	0.76	N/A	N/A
A23	0.34	0.03	0.87	0.81	1.41	0.22	0.76	N/A	N/A
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A
A25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A
A26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A
A27	0.10	0.00	0.07	0.50	0.16	0.04	0.00	N/A	N/A

AD-A097 692

BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER--ETC F/G 1/3
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS--ETC(U)
OCT 80 D K HINDS, G A WALKER, D H WILSON F33615-77-C-0075
D194-10089-2 NL

UNCLASSIFIED

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AD-A097 692

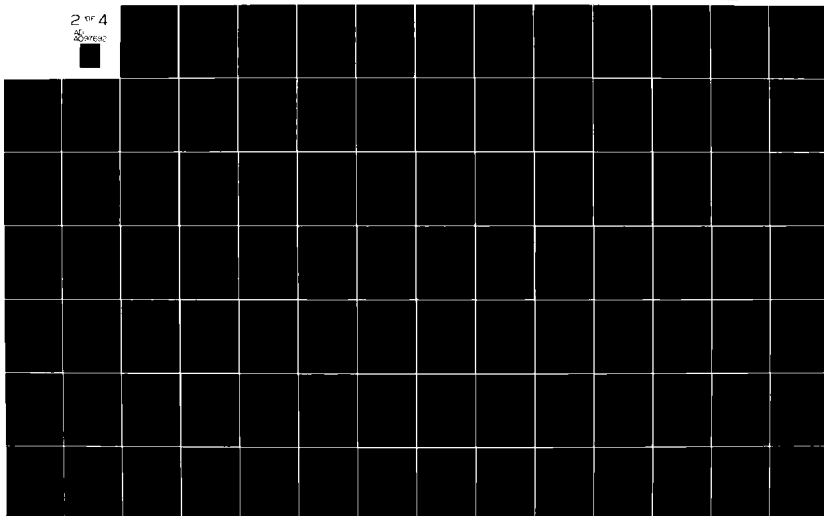


TABLE A-12 SYSTEM 71D TACAN SET PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	1.93	1.56	3.60	1.75	11.38	3.15	0.77	0.00	0.30
A02	3.00	3.00	1.00	2.00	3.00	1.00	2.00	1.50	1.28
A03	29.00	29.80	31.00	27.60	51.00	45.00	50.00	14.30	9.11
A04	864.00	866.50	5011.20	889.50	1672.00	5184.00	1434.10	419.14	282.44
A05	11.00	11.00	1.00	8.00	11.00	10.00	14.00	1.00	1.00
A06	71.00	47.00	47.00	44.00	61.00	47.00	69.00	94.60	94.60
A07	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.50	1.87
A08	3.00	7.00	4.00	3.00	3.00	4.00	4.00	4.00	4.00
A09	0.00	0.00	0.00	55.00	0.00	50.00	0.00	0.00	0.00
A10	Void	Void	Void	Void	Void	Void	Void	Void	Void
A11	99.00	95.00	100.00	98.00	98.00	100.00	100.00	85.00	85.00
A12	1.00	2.00	0.00	10.00	0.00	5.00	0.00	10.00	10.00
A13	1.26	1.51	8.25	3.75	3.76	4.95	1.38	1.90	2.05
A14	6.00	7.00	5.00	6.00	6.00	6.00	5.00	5.00	5.00
A15	50.00	10.00	Void	1.00	5.00	20.00	15.00	Void	10.00
A16	7.94	6.62	1.21	2.67	2.66	2.02	7.25	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A18	10.00	25.00	0.00	10.00	1.00	20.00	50.00	25.00	25.00
A19	75.00	90.00	Void	95.00	100.00	Void	98.00	Void	85.00
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	27.41	14.86	16.93	24.60	141.21	47.05	8.55	0.00	1.03
A22	1.17	1.38	3.27	1.47	8.72	2.70	0.77	0.00	0.26
A23	1.17	1.38	3.27	1.47	8.72	2.70	0.77	0.00	0.26
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
A27	0.76	0.00	0.07	0.25	0.13	0.00	0.00	0.00	0.26

TABLE A-13 SYSTEM 71F ATTITUDE HEADING REFERENCE SET PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	1.79	1.31	5.20	5.91	0.09	1.70	4.24	0.00	1.67
A02	3.00	1.00	1.00	2.00	3.00	1.00	2.79	2.00	2.00
A03	13.90	13.56	6.10	9.88	15.14	7.00	18.32	12.50	12.55
A04	601.96	591.00	299.50	324.10	853.69	250.00	408.90	458.50	460.11
A05	7.72	0.00	1.00	6.28	7.95	1.00	1.00	3.50	3.45
A06	71.00	60.00	47.00	44.00	61.89	47.00	29.87	63.00	69.00
A07	1.00	1.52	1.00	1.00	1.00	1.00	1.00	2.00	2.00
A08	5.00	4.00	1.10	0.00	4.00	2.00	4.00	3.00	3.00
A09	0.00	9999.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00
A10	Void	Void	Void	Void	Void	Void	Void	Void	Void
A11	100.00	100.00	95.00	90.00	95.00	90.00	100.00	60.00	60.00
A12	2.00	2.60	11.00	7.00	3.00	20.00	0.00	40.00	40.00
A13	1.26	1.57	8.25	3.75	3.76	4.95	1.38	1.90	2.05
A14	5.52	11.00	5.00	5.44	5.00	5.00	5.79	4.00	3.96
A15	60.00	20.00	0.00	42.00	50.00	0.00	36.00	Void	2.00
A16	7.94	6.62	1.21	2.67	2.66	2.02	7.25	5.26	4.88
A17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
A18	100.00	973.00	17.00	66.00	198.00	17.00	20.00	10.00	10.00
A19	95.00	75.20	100.00	37.00	50.00	100.00	80.00	Void	100.00
A20	Void	Void	Void	Void	Void	Void	Void	Void	Void
A21	31.07	14.25	20.85	50.64	0.15	5.92	18.15	0.00	12.98
A22	1.69	1.19	4.20	5.53	0.06	1.19	4.24	0.00	1.57
A23	1.69	1.19	4.20	5.53	0.06	1.19	4.24	0.00	1.57
A24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A25	0.00	0.00	0.00	0.03	0.00	0.00	0.43	0.00	0.04
A26	0.00	0.00	0.00	0.06	0.00	0.00	0.10	0.00	0.00
A27	0.79	0.38	0.13	2.31	0.00	0.07	0.16	0.47	1.57

TABLE A-14 SYSTEM 74F RADAR SET PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
A01	13.24	11.13	15.60	15.53	21.19	8.37	N/A	0.00	0.61
A02	2.00	3.00	2.18	1.49	3.90	2.14		7.00	7.00
A03	64.61	61.11	55.35	74.00	49.78	54.20		2.40	3.29
A04	2505.43	1442.80	7076.16	4487.04	1629.70	6289.92		24.41	39.10
A05	10.75	12.49	7.53	33.83	4.68	11.57		4.00	6.94
A06	108.96	85.00	47.00	55.00	61.00	47.00		66.00	63.00
A07	2.23	2.60	2.00	2.00	1.96	4.00		1.00	0.99
A08	4.00	12.00	4.00	0.84	3.00	4.00		2.00	3.96
A09	150.39	0.00	13.81	138.01	0.00	13.71		12.50	24.75
A10	6.00	6.00	4.50	6.00	6.00	3.59		3.00	4.95
A11	98.00	58.38	98.00	55.00	100.00	100.00		Void	25.00
A12	9.00	0.76	0.00	55.00	0.00	4.00		75.00	75.00
A13	1.26	1.51	6.15	3.75	3.76	4.95		Void	Void
A14	5.37	5.00	5.87	5.00	5.62	6.00		5.00	5.00
A15	23.00	29.14	16.00	23.00	5.00	7.00		Void	Void
A16	7.94	6.62	1.63	2.67	2.66	2.02		Void	Void
A17	1.00	1.00	1.00	1.00	1.00	1.00		Void	Void
A18	100.00	161.04	200.00	133.00	1.00	40.00		Void	Void
A19	89.00	84.00	91.00	82.00	100.00	87.00		Void	Void
A20	Void	Void	Void	Void	Void	Void		Void	Void
A21	310.54	220.12	379.46	287.24	167.25	93.61		0.00	7.41
A22	12.31	10.50	12.80	12.75	10.78	6.59		0.00	0.61
A23	12.31	10.50	12.80	12.75	10.78	6.59		0.00	0.61
A24	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00
A25	0.07	0.03	0.00	0.00	0.03	0.00		0.00	0.00
A26	0.00	0.00	0.00	0.03	0.06	0.00		0.00	0.00
A27	9.48	6.84	0.27	2.91	0.22	0.00	N/A	0.00	0.00

TABLE A-15 OPERATIONAL PARAMETERS

VARIABLE I.O. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
001	Maint. Action Demand Per Acft.	Real	No./Acft.
002	Years Acft. Have Been on Base	Real	No. Years
003	Avg. Mission Mix	Scaled	Weighted Number
004	Aircraft Grounded Time	Real	Percent of Days
005	Avg. Take-off Speed	Real	Knots
006	Median Take-off Distance	Real	Feet
007	Percent of Max. Take-off Wt.	Real	Percent
008	Avg. Climb Rate	Real	Feet/Min.
009	Avg. Cruise Speed	Real	Knots
010	Avg. Cruise Altitude	Real	Feet/10
011	Avg. Descent Rate	Real	Feet/Min.
012	Avg. Landing Speed	Real	Knots
013	Minimum Landing Distance	Real	Feet
014	Avg. Landing Wt.	Real	LB's/1000

TABLE A-15 OPERATIONAL PARAMETERS
CONT'D

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
015	Total Flying Hours Per Acft.	Real	Hours/Acft.
016	Training Flying Hours Per Acft.	Real	Hours/Acft.
017	Operations Flying Hours Per Acft.	Real	Hours/Acft.
018	Misc. Flying Hours Per Acft.	Real	Hours/Acft.
019	Total Landings Per Acft.	Real	Landings/Acft.
020	Training Landings Per Acft.	Real	Landings/Acft.
021	Operations Landings Per Acft.	Real	Landings/Acft.
022	Misc. Landings Per Acft.	Real	Landings/Acft.
023	Avg. No. of Acft. on Alert	Real	Acft./Mo.
024	Avg. No. of Deployed Acft.	Real	Acft./Mo.
025	Total Sorties Per Acft.	Real	Sorties/Acft.
026	Training Sorties Per Acft.	Real	Sorties/Acft.
027	Operations Sorties Per Acft.	Real	Sorties/Acft.
028	Misc. Sorties Per Acft.	Real	Sorties/Acft.

TABLE A-16 OPERATIONS PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
001	3.67	0.75	7.67	6.00	EQUIPMENT 11.83	20.33	11.75	0.67	2.42
002	1.10	1.91	1.10	1.78	1.86	1.20	1.0	1.90	1.70
003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
004	150.00	150.00	156.00	165.00	130.00	150.00	155.00	130.00	120.00
005	3500.00	2500.00	8750.00	3800.00	3800.00	9500.00	2700.00	1700.00	3750.00
006	83.02	82.14	92.00	79.00	75.83	82.00	100.00	82.00	70.00
007	4000.00	6000.00	1500.00	2400.00	1400.00	1750.00	4000.00	4000.00	3500.00
008	500.00	530.00	450.00	440.00	430.00	410.00	420.00	320.00	310.00
009	2000.00	3800.00	2550.00	1650.00	3020.00	2900.00	1590.00	408.75	1000.00
010	2250.00	2250.00	4000.00	2500.00	700.00	4000.00	3000.00	3500.00	3000.00
011	116.00	118.00	115.00	123.00	97.00	115.00	130.00	115.00	111.00
012	3750.00	3750.20	2600.00	2000.00	2750.00	3500.00	3500.00	1600.00	1000.00
013	31.50	33.50	240.00	60.00	165.00	127.50	9.50	30.00	27.50
014	361.67	363.02	365.27	314.47	1369.84	237.74	345.71	196.72	469.57
015	325.54	31.59	328.74	109.16	205.44	202.08	345.71	19.67	140.87
016	36.12	223.53	36.53	204.09	1150.66	23.77	0.00	177.05	328.70
017	0.00	7.90	0.00	1.22	13.75	11.89	0.00	0.00	0.00
018	456.69	177.00	131.47	187.97	792.59	159.48	1046.72	105.91	228.61
019	410.97	21.28	118.32	49.94	118.91	135.56	1046.72	10.59	68.61
020	45.72	150.47	13.15	136.09	665.81	15.95	0.00	95.34	60.00
021	0.00	5.31	0.00	1.94	7.88	8.14	0.00	0.00	0.00
022	0.00	9999.00	4.00	12.00	0.33	9.00	0.00	0.00	0.00
023	0.00	9999.00	0.00	0.00	3.00	3.20	10.58	1.38	2.00
024	267.17	174.53	44.27	83.88	364.03	48.07	250.22	103.32	228.61
025	240.45	20.91	39.84	22.38	54.59	40.86	250.22	10.32	68.61
026	26.72	148.34	4.43	60.72	305.47	4.81	0.00	93.00	60.00
027	0.00	5.28	0.00	0.78	3.97	2.40	0.00	0.00	0.00
028	29.00	32.00	15.00	32.00	32.00	27.00	83.00	19.00	23.00
029	2.50	2.50	0.84	2.20	0.89	0.90	1.63	0.75	0.75
030	7000.00	7000.00	5500.00	6000.00	4885.00	5200.00	5500.00	4420.00	4420.00
031	2.00	1.00	9.00	2.00	7.00	6.00	2.00	1.00	1.00
032	1.26	1.51	8.25	3.75	3.76	4.95	1.38	1.90	2.05
033	0.10	0.09	0.33	0.13	0.00	0.00	0.05	0.16	0.04
034	1.97	1.31	0.33	0.66	1.00	0.04	0.45	0.21	1.87

TABLE A-17 ENVIRONMENTAL PARAMETERS

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
E01	Maint. Action Demand Per Acft.	Real	No./Acft.
E02	Base Altitude	Real	Feet
E03	Runway Direction	Real	Degrees
E04	Distance to Mountains	Real	Miles
E05	Direction of Mountains	Real	Number
E06	No. of Snow Days	Real	Days
E07	Total Snow Fall	Real	Inches
E08	Mean Snow Depth	Real	Inches
E09	No. of Rain Days	Real	Days
E10	Total Rain Fall	Real	Inches
E11	No. of Hail Days	Real	Days
E12	Relative Humidity (Avg.)	Real	Percent
E13	No. of Thunder Days	Real	Days
E14	No. of Sleet Days	Real	Days

TABLE A-17 ENVIRONMENTAL PARAMETERS
CONT'D

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
E15	No. of Fog Days	Real	Days
E16	Predominate Wind Direction	Real	Degrees
E17	Maximum Crosswind's Less Than 10 MPH	Real	Days
E18	Maximum Crosswind's 10-19 MPH	Real	Days
E19	Maximum Crosswind's 20-29 MPH	Real	Days
E20	Maximum Crosswind's 30-39 MPH	Real	Days
E21	Maximum Crosswind's 40-49 MPH	Real	Days
E22	Maximum Crosswind's Greater Than 50 MPH	Real	Days
E23	Mean Temperature	Real	Degrees "F"
E24	Mean Minimum Temperature	Real	Degrees "F"
E25	Mean Maximum Temperature	Real	Degrees "F"
E26	Days Maximum Temp. Was Above 80° "F"	Real	Days
E27	Days Minimum Temp. Was Below 32° "F"	Real	Days
E28	Total Number of Obstructions To Vision	Real	Number of Events

CONT'D

[illegible]

TABLE A-13 ENVIRONMENTAL PARAMETER INPUT DATA

VARIABLE I. O. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
E01	1111.00	1228.00	2472.00	245.00	62.00	(A01) VALUE	761.00	35.00	2705.00
E02	30.00	240.00	230.00	170.00	30.00	2472.00	140.00	350.00	120.00
E03	10.00	35.00	15.00	30.00	4.50	230.00	55.00	225.00	15.00
E04	315.00	315.00	45.00	360.00	360.00	15.00	360.00	360.00	45.00
E05	0.00	62.00	77.00	89.00	0.00	45.00	0.00	3.00	0.00
E06	0.00	15.70	47.30	59.90	0.00	77.00	0.00	0.70	0.00
E07	0.00	3.14	9.46	9.90	0.00	47.30	0.00	0.35	0.00
E08	50.00	202.00	140.00	145.00	69.00	9.46	130.00	121.00	77.00
E09	3.56	35.17	14.49	35.73	14.00	140.00	31.52	51.34	10.28
E10	0.00	0.00	0.00	0.00	1.00	14.49	1.00	1.00	1.00
E11	27.00	69.00	55.00	61.00	50.00	0.00	53.00	62.00	26.00
E12	19.00	19.00	10.00	25.00	7.00	55.00	47.00	51.00	51.00
E13	0.00	11.00	25.00	8.00	0.00	10.00	2.00	1.00	0.00
E14	6.00	254.00	96.00	96.00	82.00	25.00	134.00	179.00	8.00
E15	360.00	225.00	225.00	360.00	225.00	96.00	180.00	180.00	135.00
E16	59.00	34.00	36.00	24.00	21.00	36.00	9.00	13.00	25.00
E17	193.00	188.00	198.00	171.00	123.00	198.00	222.00	230.00	200.00
E18	84.00	106.00	95.00	136.00	146.00	95.00	112.00	105.00	113.00
E19	20.00	32.00	26.00	27.00	0.74	26.00	21.00	14.00	23.00
E20	4.00	4.00	2.00	7.00	0.00	2.00	1.00	2.00	3.00
E21	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
E22	69.00	48.00	47.00	45.00	61.00	47.00	69.00	66.00	69.00
E23	58.00	44.00	24.00	1.00	53.00	24.00	44.00	42.00	54.00
E24	115.00	87.00	100.00	99.00	105.00	100.00	101.00	101.00	106.00
E25	214.00	4.00	52.00	31.00	108.00	52.00	205.00	142.00	199.00
E26	0.00	53.00	110.00	130.00	3.00	110.00	14.00	31.00	12.00
E27	95.00	869.00	438.00	551.00	257.00	438.00	388.00	302.00	109.00
E28	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
E29	2.41	2.75	3.05	2.69	2.94	3.05	3.14	3.42	2.91
E30	228.95	2387.00	1335.9	1482.19	755.58	1335.90	1218.32	1032.84	317.10
E31									

TABLE A-19 MAINTENANCE PARAMETERS

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
M01	Maint. Action Demand Per Acft.	Real	No./Acft.
M02	Avg. OR RATE	Real	Percent (Hrs. OR/Hours Possessed)
M03	Avg. NORM RATE	Real	Percent (Hrs. NORM/Hours Possessed)
M04	Avg. NORS RATE	Real	Percent (Hrs. NORS/Hours Possessed)
M05	Total Maint. Personnel Authorized	Real	No./Acft.
M06	Total Maint. Personnel Assigned	Real	No./Acft.
M07	Total 3 Level Maint. Personnel Assigned	Real	No./Acft.
M08	Total 5 Level Maint. Personnel Assigned	Real	No./Acft.
M09	Total 7 Level Maint. Personnel Assigned	Real	No./Acft.
M10	Total 9 Level Maint. Personnel Assigned	Real	No./Acft.
M11	Total Maint. Personnel Authorized (AMS)	Real	No./Acft.
M12	Total Maint. Personnel Assigned (AMS)	Real	No./Acft.
M13	Total 3 Level Maint. Personnel Assigned (AMS)	Real	No./Acft.
M14	Total 5 Level Maint. Personnel Assigned (AMS)	Real	No./Acft.

TABLE A-19 MAINTENANCE PARAMETERS
CONT'D

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
M15	total 7 level Maint. Personnel Assigned (AMS)	Real	No./Acft.
M16	total 9 level Maint. Personnel Assigned (AMS)	Real	No./Acft.
M17	total Maint. Manhours Expended Per Acft.	Real	Hours/Acft.
M18	AMS Maint. Manhours Expended Per Acft.	Real	Hours/Acft.
M19	Maint. Concept	Scaled	Weighted Number
M20	Avg. Turn-Around Time - Maint.	Real	Clock Hours
M21	Acft. FOD (All Causes)	Real	No./Acft.
M22	total General Support (01-09) Manhours Per Acft.	Real	Hours/Acft.
M23	total General Support - 01 Manhours Per Acft. Ground Handling and Servicing	Real	Hours/Acft.
M24	total General Support - 02 Manhours Per Acft. Aircraft Cleaning	Real	Hours/Acft.
M25	total General Support - 03 Manhours Per Acft. look Phase of Scheduled Inspections	Real	Hours/Acft.
M26	total General Support - 04 Manhours Per Acft. Special Inspections	Real	Hours/Acft.
M27	total General Support - 05 Manhours Per Acft. Preservation and Storage	Real	Hours/Acft.
M28	total General Support - 06 Manhours Per Acft. Arming and Disarming	Real	Hours/Acft.

TABLE A-19 MAINTENANCE PARAMETERS
CONT'D

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TABLE A-20 MAINTENANCE PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
M01			TRANS	FORM FROM EACH	EQUIPMENT	(A01) VALUE			
M02	33.13	54.60	47.99	45.44	57.08	68.54	64.70	60.83	52.70
M03	43.94	20.73	44.58	38.65	38.83	24.74	26.60	19.10	28.09
M04	22.93	29.25	8.54	15.93	4.09	5.16	7.40	9.04	19.24
M05	88.93	45.66	42.73	49.56	94.63	20.70	7.34	72.58	61.26
M06	97.72	43.81	42.13	49.89	87.41	20.67	7.57	73.58	64.87
M07	Void	5.38	9.80	13.44	17.94	4.70	2.13	Void	Void
M08	Void	18.44	20.20	24.04	47.09	10.07	3.63	Void	Void
M09	Void	16.53	9.67	10.62	17.69	4.67	1.42	Void	Void
M10	Void	2.50	2.53	1.80	4.06	1.19	0.37	Void	Void
M11	Void	9.03	8.93	11.97	18.41	3.33	0.42	Void	Void
M12	Void	8.91	9.53	11.84	16.38	3.52	0.45	Void	Void
M13	Void	1.53	2.87	3.38	3.75	1.04	0.12	Void	Void
M14	Void	2.69	4.06	5.93	8.91	1.48	0.22	Void	Void
M15	Void	3.97	2.27	2.09	2.88	0.82	0.12	Void	Void
M16	Void	0.59	0.47	0.44	0.50	0.15	0.00	Void	Void
M17	1387.07	898.37	2099.80	1440.18	3114.98	787.85	414.49	430.48	83.61
M18	Void	Void	Void	Void	Void	Void	Void	Void	Void
M19	1.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00	3.00
M20	1.25	1.03	8.00	5.00	2.00	4.00	3.00	1.80	2.00
M21	0.97	2.06	0.13	0.16	0.40	0.00	8.18	Void	0.52
M22	687.62	480.41	1265.86	534.17	1407.91	498.91	226.01	383.29	429.75
M23	327.43	256.37	696.85	279.42	749.36	185.50	91.00	183.28	202.69
M24	48.85	17.13	20.99	14.69	85.58	14.63	5.35	5.10	21.25
M25	169.44	107.95	247.77	73.97	413.75	162.10	92.40	69.37	104.80
M26	43.87	53.84	92.43	64.90	59.98	36.48	8.78	78.13	55.34
M27	0.04	0.00	0.00	1.72	0.005	0.07	0.19	0.00	0.07
M28	35.93	16.67	6.51	10.70	0.24	0.15	0.79	35.48	35.52
M29	48.03	19.54	41.40	72.10	33.31	18.26	16.08	8.60	4.69
M30	14.04	8.91	159.91	16.67	65.68	81.74	11.42	3.34	5.39

TABLE A-21 AIRCRAFT GENERAL PARAMETERS

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
G01	Maint. Action Demand Per Acft.	Real	No./Acft.
G02	Years Since Aircraft Was Produced	Real	Years
G03	Aircraft Empty Wt.	Real	LB's/10
G04	Max. Gross Wt. - Take-off	Real	LB's/10
G05	Aircraft Wing Area	Real	Sq/Ft.
G06	Aircraft Aspect Ratio	Real	Percent
G07	Total Fuel Capacity	Real	Gallon's
G08	Avg. Aircraft Wing Load	Real	LB's/Sq. Ft.
G09	Years Since Engine Production	Real	Years
G10	No. of Installed Engines Per Acft.	Real	Number
G11	Engine Wt. Per Acft. (All Engines)	Real	LB's.
G12	Total Thrust Per Acft.	Real	LB's/10
G13	Designated Climb Rate	Real	Feet/Min.
G14	No. of Generator's Per Acft.	Real	No./Acft.

TABLE A-21 AIRCRAFT GENERAL PARAMETERS

CONT'D

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
G15	Total Maint. Manhour Per Flight Hour	Real	Manhours
G16	Years Since Acft. First Flight	Real	Years

TABLE A-22 AIRCRAFT GENERAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS- MONTHAN AFB
G01	6.00	6.00	19.00	TRANSFORM FROM EACH	EQUIPMENT	(A01) VALUE	18.00	5.00	5.00
G02	400.00	400.00	1684.49	9.00	14.00	21.00	77.70	198.56	198.56
G03	500.00	500.00	4880.00	470.58	1363.00	971.91	117.00	467.86	467.86
G04	608.00	608.00	4000.00	1143.00	3166.00	2970.00	170.00	506.00	506.00
G05	3.00	3.00	8.55	655.50	3244.00	2313.40	3.75	6.54	6.54
G06	357.9	357.9	4657.50	1.57	7.90	7.06	60.00	343.80	343.80
G07	85.70	85.70	122.00	928.50	2308.00	3130.00	67.90	92.50	92.50
G08	5.00	5.00	25.00	201.20	98.10	Void	Void	4.00	4.00
G09	2.00	2.00	8.00	17.00	18.00	25.00	2.00	2.00	2.00
G10	604.20	604.20	3096.00	2.00	4.00	4.00	116.80	285.40	285.40
G11	4800.00	4800.00	8960.00	824.20	1860.00	1728.00	770.00	1813.00	1813.00
G12	6725.00	6725.00	545.00	4070.00	8400.00	5500.00	3360.00	534.00	534.00
G13	2.00	2.00	4.00	2341.80	727.00	590.00	2.00	2.00	2.00
G14	46.02	40.79	73.36	2.00	4.00	3.00	14.25	16.79	18.47
G15	6.00	6.00	22.00	54.95	19.07	39.82	19.00	5.00	5.00
G16				11.00	15.00	24.00			

TABLE A-23 MAINTENANCE RESOURCE DEMAND (MRD) PARAMETERS - PHASE II

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
R01	Maintenance Action Demand Per Acft.	Real	No/Acft.
R02	Equipment Total Maint. Man Hr. Per Acft.	Real	No/Acft.
R03	Equipment Total Unscheduled Removals Per Acft.	Real	No/Acft.
R04	Equipment Ground Aborts Per Acft.	Real	No/Acft.
R05	Equipment Air Aborts Per Acft.	Real	No/Acft.
R06	Equipment Cannibizations Per Acft.	Real	No/Acft.

TABLE A-24 EQUIPMENT PARAMETERS - PHASE II

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
F01	Location of Equipment on the Aircraft	Scaled	Scaled Value
F02	Primary Material - Composition Technology Level	Scaled	Scaled Value
F03	Equipment Weight	Real	Pounds
F04	Equipment Volume	Real	Sq. Ft., Cu. Ft., Cu. In.
F05	Operating Temperature	Real	Degrees F
F06	Support Equipment Complexity	Scaled	Scaled Value
F07	Support Equipment Reliability	Real	Percent
F08	Type of Failure Problems	Scaled	Scaled Value
F09	Inflight Squawk Verification Rate	Real	Percent
F10	On/Off Cycles Per Sortie	Real	Cycles/Sortie
F11	Ground to Flight Operating Ratio	Real	Percent
F12	Relative Reliability of Equipment Driving Force	Scaled	Scaled Value
F13	Removals to Access other Equipment	Real	No/Actt/Yr
F14	Severity of F00	Scaled	Scaled Value

TABLE A-24 EQUIPMENT PARAMETERS - PHASE II (CONT'D)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
F15	Principle Failure Cause	Scaled	Scaled Value
F16	Equipment Protection Methodology	Scaled	Scaled Value
F17	Equipment Pressurization Level	Real	PSI
F18	Rain Removal Technology (Windshield)	Scaled	Scaled Value
F19	Mounting Position (Wings Only)	Scaled	Scaled Value
F20	Power Rating (Generators)	Real	KVA Rating
F21	No of Tire Ply's (Tires)	Real	Ply's Per Tire
F22	Landings Per Tire (Tires)	Real	Landings Per Tire
F23	Avg. Tire Cost (Tires)	Real	Cost Per Tire
F24	Securing Method Technology (Radome Only)	Scaled	Scaled Value

TABLE A-25 SYSTEM 11A (11A01) RADOML MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
R01	1.21	1.16	0.53	2.16	4.38	0.15	0.65	VOID	VOID
R02	6.14	4.52	2.87	1.69	22.78	7.25	12.04	VOID	VOID
R03	0.03	0.03	0.07	0.09	2.19	0.00	0.22	VOID	VOID
R04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	VOID	VOID
R05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	VOID	VOID
R06	0.00	0.00	0.07	0.00	0.03	0.00	0.00	VOID	VOID

TABLE A-26 SYSTEM 11A (11A01) RADOME EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RAHOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
F01	3.00	3.00	3.00	3.00	3.00	3.00	3.01	VOID	VOID
F02	5.00	5.00	5.00	5.00	5.00	5.00	5.00	VOID	VOID
F03	208.00	208.00	150.00	800.00	60.00	60.00	1.00	VOID	VOID
F04	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	1.00	1.00	1.00	5.00	1.00	1.00	1.00	VOID	VOID
F07	100.00	100.00	100.00	99.00	100.00	100.00	100.00	VOID	VOID
F08	6.00	3.00	8.00	5.00	9.00	1.00	6.00	VOID	VOID
F09	100.00	100.00	100.00	100.00	100.00	VOID	100.00	VOID	VOID
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F13	.52	.06	.07	.09	.28	2.93	0.00	VOID	VOID
F14	0.00	0.00	1.00	1.00	0.00	2.00	0.00	VOID	VOID
F15	0.00	0.00	0.00	3.00	0.00	3.00	1.00	VOID	VOID
F16	2.00	2.00	0.00	0.00	2.00	0.00	0.00	VOID	VOID
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	VOID	VOID
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	1.00	1.00	2.00	1.00	3.00	3.00	1.00	VOID	VOID

TABLE A-27 SYSTEM 11A (11A02) WINDSHIELD MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTAGUE AFB
R01	.93	.16	.33	4.03	7.31	2.52	.18	0.00	.20
R02	24.12	2.74	4.09	20.22	77.69	5.37	3.36	.13	1.87
R03	.69	.03	.07	.31	1.44	.19	.12	0.00	.06
R04	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	0.00	0.00	0.00	0.00	.03	0.00	0.00	.26	.26

TABLE A-28 SYSTEM 11A (11A02) WINDSHIELD EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	1-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
F01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F02	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
F03	60.00	60.00	54.00	64.00	385.00	50.00	20.00	150.00	150.00
F04	1890.00	1890.00	432.00	2160.00	3840.00	432.00	432.00	1661.00	1661.00
F05	VOID	VOID	105.00	VOID	VOID	VOID	VOID	150.00	150.00
F06	1.00	1.00	3.00	1.00	3.00	3.00	5.00	3.00	3.00
F07	100.00	100.00	100.00	95.00	95.00	100.00	100.00	100.00	98.00
F08	6.00	7.00	8.00	7.00	7.00	5.00	6.00	10.00	10.00
F09	97.50	100.00	99.00	100.00	100.00	99.00	100.00	100.00	90.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	VOID	VOID	1.00	4.00	1.00	1.00	6.00	1.00	1.00
F13	0.00	0.00	0.00	0.00	0.00	0.00	VOID	0.00	0.00
F14	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	0.00	0.00	0.00	0.00	3.00	0.00	0.00	11.00	11.00
F16	4.00	4.00	3.00	0.00	5.00	3.00	1.00	2.00	2.00
F17	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F18	2.00	2.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-29 SYSTEM 11K WINGS MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
R01	13.97	7.56	17.40	26.25	76.47	34.81	4.82	.53	3.96
R02	72.43	29.98	106.42	66.89	678.63	87.19	53.39	2.74	15.61
R03	.76	.19	.27	3.44	9.56	.41	.78	.21	.78
R04	.03	.03	0.00	0.00	0.00	0.00	.02	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	.07	0.00	0.00	.06	.34	0.00	.12	.42	.09

TABLE A-30 SYSTEM 11K WINGS EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A DUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PITTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BLACH AFB	A-10A DAVIS MONTHAN AFB
F01	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.00	2.00
F02	3.00	3.00	12.00	3.00	3.00	7.00	3.00	3.00	3.00
F03	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F04	608.00	608.00	800.00	602.75	3073.00	1156.70	170.00	506.00	506.00
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	5.00	5.00	1.00	10.00	1.00	1.00	5.00	1.00	1.00
F07	100.00	100.00	95.00	95.00	95.00	100.00	100.00	99.00	99.00
F08	11.00	7.00	9.00	8.00	9.00	5.00	5.00	9.00	9.00
F09	100.00	100.00	100.00	80.00	100.00	100.00	100.00	100.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	1.00	6.00	14.00	8.00	8.00	0.00	11.00	8.00	8.00
F16	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	3.00	3.00	3.00	3.00	3.00	2.00	1.00	1.00	1.00
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-31 SYSTEM 12B COCKPIT FURNISHINGS MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUFT AFB	F-15A BITBURG AFB	B-52G FATCCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FATCCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
R01	.10	.06	.08	1.27	3.64	.19	.30	0.00	.13
R02	1.04	.61	.62	5.57	22.41	.43	6.59	1.44	15.73
R03	.03	0.00	0.00	.08	.51	.03	.04	0.00	0.00
R04	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R05	.03	0.00	0.00	.03	.03	0.00	.01	0.00	0.00
R06	0.00	0.00	0.00	0.00	.56	0.00	.01	0.00	0.00

TABLE A-32 SYSTEM 12B COCKPIT FURNISHINGS EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITTURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
F01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F02	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
F03	50.00	55.80	280.00	40.00	50.00	50.00	125.00	77.00	77.00
F04	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	8.00	8.00	5.00	1.00	1.00	1.00	5.00	5.00	5.00
F07	100.00	100.00	95.00	99.00	95.00	100.00	100.00	100.00	100.00
F08	6.00	4.00	8.00	5.00	9.00	5.00	5.00	6.00	2.00
F09	100.00	100.00	80.00	95.00	100.00	100.00	80.00	100.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	50.00	50.00	200.00	300.00	400.00	33.30	20.00	100.00	100.00
F12	6.00	6.00	3.00	1.00	2.00	2.00	6.00	1.00	1.00
F13	.03	.09	.27	1.22	2.13	0.00	1.80	3.11	4.17
F14	2.00	2.00	0.00	0.00	0.00	0.00	1.00	2.00	0.00
F15	0.00	0.00	0.00	0.00	8.00	0.00	0.00	2.00	2.00
F16	5.00	5.00	3.00	4.00	0.00	0.00	5.00	1.00	1.00
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-33 SYSTEM 13A MAIN LANDING GEAR MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTAN AFB
R01	12.14	8.69	22.80	10.47	28.16	9.85	18.51	.05	1.17
R02	34.11	15.69	220.08	37.52	185.15	145.36	60.86	.28	7.01
R03	12.14	8.66	6.80	3.97	11.34	3.56	18.45	.05	1.71
R04	.07	.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R05	0.00	.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R06	0.00	.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE A-34 SYSTEM 13A MAIN LANDING GEAR EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-35A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTAN AFB
F01	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
F02	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
F03	190.00	190.00	5488.00	506.00	2200.00	2960.00	58.00	228.00	228.00
F04	10.54	10.54	182.40	17.60	112.56	148.40	1.64	12.96	12.96
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	7.00	7.00	5.00	5.00	5.00	1.00	5.00	1.00	1.00
F07	95.00	100.00	100.00	95.00	100.00	100.00	98.00	100.00	100.00
F08	9.00	9.00	7.00	9.00	10.00	8.00	10.00	5.00	5.00
F09	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	2.00	2.00	2.00	4.00	4.00	2.00	2.00	2.00	2.00
F13	.97	.69	1.87	2.03	5.21	1.30	3.19	.11	.09
F14	2.00	2.00	3.00	1.00	2.00	2.00	1.00	1.00	3.00
F15	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
F16	4.00	4.00	VOID	3.00	3.00	VOID	1.00	5.00	4.00
F17	260.00	260.00	270.00	215.00	200.00	155.00	250.00	180.00	180.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	26.00	26.00	38.00	36.00	28.00	26.00	12.00	23.00	23.00
F22	30.00	17.00	VOID	160.00	160.00	VOID	80.00	19.00	70.00
F23	202.90	154.00	512.90	862.26	275.50	363.40	73.29	208.00	208.00
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-35 SYSTEM 13D BRAKE MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
R01	2.05	.52	1.57	2.14	1.36	.80	1.95	0.00	0.00
R02	27.28	16.09	12.62	18.42	9.99	5.46	24.48	0.00	.11
R03	1.95	.41	.32	.47	.54	.16	1.01	0.00	0.00
R04	0.00	.03	0.00	0.00	0.00	0.00	.08	.05	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.02	0.00	0.00
R06	.10	.03	.07	0.00	0.00	0.00	.43	0.00	.09

TABLE A-36 SYSTEM 13D BRAKE EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	F-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
F01	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
F02	3.00	3.00	11.00	11.00	5.00	11.00	8.00	11.00	11.00
F03	69.00	69.00	283.00	200.00	105.00	193.00	35.00	97.50	97.50
F04	1366.00	1366.00	3980.00	4580.00	2042.00	1908.00	565.00	2035.00	2035.00
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
F07	100.00	90.00	99.00	100.00	99.00	99.00	100.00	100.00	100.00
F08	5.00	5.00	8.00	5.00	9.00	8.00	9.00	9.00	8.00
F09	100.00	100.00	90.00	75.00	95.00	90.00	80.00	100.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	40.00	33.00	8.00	20.00	18.00	14.00	36.00	26.00	24.00
F12	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
F13	.24	.28	.20	0.00	.13	.04	1.43	.11	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
F15	5.00	5.00	5.00	5.00	5.00	6.00	5.00	5.00	6.00
F16	8.00	8.00	4.00	0.00	7.00	3.00	0.00	0.00	0.00
F17	3000.00	3000.00	1275.00	3000.00	2100.00	1200.00	VOID	3000.00	3000.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-37 SYSTEM 14C STABILATOR MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITTURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
R01	1.48	1.38	.20	4.88	11.75	3.96	1.61	0.00	.13
R02	8.97	10.71	.52	91.29	74.58	10.38	18.36	0.00	.17
R03	0.00	.09	0.00	2.22	1.41	0.00	.23	0.00	0.00
R04	0.00	0.00	0.00	.09	0.00	0.00	0.00	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.02	0.00	0.00
R06	0.00	0.00	0.00	1.13	.06	0.00	.05	0.00	0.00

TABLE A-38 SYSTEM 14C STABILATOR EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A DUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-38A RANDOLPH AFB	A-10A MYRIE BEACH AFB	A-10A DAVIS MONTGOMERY AFB
F01	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
F02	4.00	4.00	3.00	3.00	3.00	4.00	3.00	7.00	7.00
F03	300.00	300.00	2000.00	1730.00	3000.00	1600.00	800.00	800.00	800.00
F04	120.00	120.00	821.00	174.30	374.00	374.50	59.00	89.40	89.40
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	5.00	5.00	1.00	4.00	5.00	5.00	5.00	1.00	1.00
F07	100.00	100.00	100.00	95.00	95.00	99.00	100.00	100.00	100.00
F08	11.00	11.00	8.00	5.00	10.00	6.00	1.00	8.00	8.00
F09	100.00	100.00	100.00	50.00	VOID	100.00	VOID	100.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	3.00	3.00	6.00	3.00	6.00	3.00	3.00	5.00	5.00
F13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	0.00	0.00	5.00	11.00	8.00	0.00	0.00	5.00	5.00
F16	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F17	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-59 SYSTEM 14D RUDDER MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	F8-111A PITTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-84A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS DORTHAN AFB
R01	.93	.50	.07	.38	3.21	.48	.84	.05	.83
R02	9.37	4.21	.23	7.11	11.40	1.38	7.11	.23	5.98
R03	.24	.03	0.00	.13	.19	0.00	.10	0.00	.21
R04	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00

TABLE A-40 SYSTEM 140 RUDDER EQUIPMENT PARAMETER INPUT DATA

VARIABLE ID NUMBER	F-15A LINT ALB	F-15A BETHURG ALB	B-52G FAIRCHILD ALB	FB-111A PLATTESBURGH ALB	C-141A TRAVIS ALB	EC-135A FAIRCHILD ALB	T-38A RANDOLPH ALB	A-10A MYRTLE BEACH ALB	A-10A DAVIS MORTIAN ALB
F01	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
F02	4.00	4.00	3.00	3.00	3.00	3.00	3.00	5.00	5.00
F03	34.00	34.00	300.00	250.00	222.00	225.00	55.00	44.00	44.00
F04	20.00	20.00	39.50	29.30	87.00	102.80	6.40	23.50	23.50
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F07	100.00	90.00	100.00	95.00	95.00	100.00	100.00	100.00	100.00
F08	11.00	9.00	5.00	4.00	10.00	9.00	1.00	5.00	5.00
F09	50.00	50.00	100.00	95.00	85.00	95.00	100.00	100.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
F13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	4.00	4.00	0.00	11.00	0.00	0.00	0.00	5.00	5.00
F16	5.00	5.00	VOID	7.00	7.00	VOID	1.00	VOID	VOID
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A 41 SYSTEM 14H FLAP MRD PARAMETER INPUT DATA

VARIABLE ID NUMBER	1-15A FUT AFB	1-15A BUTROG AFB	B-52G FAIRCHILD AFB	1B-111A PLATTSBURG AFB	1-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	1-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
K01	.10	.69	3.67	22.03	28.56	7.26	1.14	.05	.78
K02	.10	1.48	26.43	75.13	187.05	3.79	15.16	.65	4.51
K03	0.00	0.00	.20	3.06	6.75	0.00	.37	0.00	.09
K04	0.00	0.00	0.00	0.00	0.00	0.00	.04	0.00	0.00
K05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
K06	0.00	0.00	.07	.81	.28	.04	.01	0.00	0.00

TABLE A 42 SYSTEM 140 FLAP EQUIPMENT PARAMETER INPUT DATA

VARIABLE NUMBER	F-15A LORE AFB	F-15A BETHLEHEM AFB	B-52G FAIRCHILD AFB	F-111A PLATTSBURG AFB	C-141A TRAVIS AFB	FC-155A FAIRCHILD AFB	F-35A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS, NORTHAN AFB
F01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
F02	4.00	4.00	3.00	3.00	3.00	3.00	3.00	7.00	7.00
F03	104.00	104.00	800.00	800.00	364.00	550.00	70.00	200.00	200.00
F04	69.70	69.70	523.30	126.70	528.70	120.00	20.50	86.00	86.00
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	1.00	1.00	1.00	10.00	5.00	1.00	5.00	5.00	5.00
F07	100.00	100.00	100.00	95.00	95.00	100.00	100.00	VOID	VOID
F08	5.00	9.00	9.00	9.00	14.00	4.00	1.00	8.00	8.00
F09	100.00	100.00	100.00	80.00	100.00	100.00	100.00	100.00	100.00
F10	4.00	4.00	4.00	2.00	1.00	4.00	VOID	VOID	VOID
F11	10.00	10.00	5.00	VOID	10.00	5.00	10.00	VOID	VOID
F12	5.00	5.00	1.00	4.00	4.00	6.00	3.00	5.00	5.00
F13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	1.00	1.00	5.00	5.00	5.00	0.00	0.00	5.00	5.00
F16	5.00	5.00	3.00	0.00	6.00	3.00	1.00	0.00	0.00
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-43 SYSTEM 41A WATER SEPARATOR MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	I-15A IDK AFB	I-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRIE BEACH AFB	A-10A DAVIS MONTAN AFB
R01	.03	.03	.27	2.06	.81	0.00	.84	0.00	.04
R02	1.60	.08	1.40	10.73	2.58	.15	2.44	0.00	.03
R03	.03	.03	.07	.50	.13	0.00	.40	0.00	.04
R04	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	0.00	0.00	0.00	.03	.06	0.00	.01	0.00	0.00

TABLE A-44 SYSTEM 41A WATER SEPARATOR EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A RETSBURG AFB	B-52G FATCHEAD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	FC-135A FATCHEAD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS DORTHAN AFB
F01	2.00	2.00	5.00	4.00	2.00	5.00	2.00	2.00	2.00
F02	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
F03	9.70	9.70	5.80	5.00	14.80	12.60	5.80	2.00	2.00
F04	763.00	763.00	1584.00	1231.00	904.30	2112.00	1434.00	972.00	972.00
F05	38.00	38.00	38.00	200.00	125.00	38.00	120.00	200.00	200.00
F06	5.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F07	100.00	90.00	100.00	95.00	100.00	100.00	100.00	95.00	99.00
F08	5.00	6.00	1.00	13.00	3.00	1.00	1.00	4.00	4.00
F09	75.00	75.00	90.00	50.00	100.00	25.00	100.00	95.00	90.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	20.00	20.00	5.00	VOID	25.00	5.00	VOID	10.00	20.00
F12	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
F13	.21	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
F14	2.00	2.00	2.00	1.00	0.00	1.00	0.00	0.00	0.00
F15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F16	4.00	4.00	4.00	4.00	7.00	2.00	1.00	1.00	1.00
F17	10.00	10.00	VOID	VOID	15.00	VOID	5.00	38.00	38.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-45 SYSTEM 42A GENERATOR ASSEMBLY MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTAN AFB
R01	.17	.23	1.13	.38	.54	.53	.78	0.00	.04
R02	2.47	3.43	8.88	12.95	9.93	4.92	9.52	0.00	.07
R03	.10	.22	.18	.20	.38	.11	.14	0.00	0.00
R04	0.00	.03	.07	.09	.03	0.00	.11	0.00	0.00
R05	.03	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	.10	.13	.13	.06	0.00	0.00	.04	0.00	0.00

TABLE A-46 SYSTEM 42A GENERATOR ASSEMBLY EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-39A RANDOLPH AFB	A-10A MYRIE BEACH AFB	A-10A DAVIS MORRIS AFB
F01	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
F02	3.00	3.00	3.00	8.00	3.00	3.00	3.00	8.00	8.00
F03	40.00	40.00	93.00	86.00	80.00	100.00	34.50	70.00	70.00
F04	779.30	779.30	1384.70	1329.80	1260.30	1809.50	895.00	1680.00	1680.00
F05	200.00	200.00	VOID	300.00	252.00	VOID	200.00	180.00	180.00
F06	8.00	8.00	10.00	6.00	5.00	10.00	10.00	9.00	9.00
F07	96.50	75.00	100.00	90.00	95.00	100.00	100.00	90.00	60.00
F08	6.00	9.00	6.00	14.00	6.00	6.00	5.00	4.00	8.00
F09	85.00	75.00	90.00	95.00	100.00	95.00	90.00	75.00	85.00
F10	1.00	1.00	1.00	2.00	1.50	1.00	1.00	2.00	2.00
F11	5.00	10.00	200.00	20.00	12.50	50.00	100.00	100.00	200.00
F12	3.00	3.00	3.00	3.00	3.00	3.00	3.00	6.00	6.00
F13	.03	.13	.80	0.00	.41	.48	.17	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F16	10.00	10.00	7.00	3.00	7.00	7.00	5.00	2.00	2.00
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	40.00	40.00	70.00	62.50	40.00	40.00	8.00	30.00	30.00
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-47 SYSTEM 44A (44A01) ANTI COLLISION LIGHTS MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITTURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A THAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS DORTHAN AFB
R01	2.72	1.47	.33	3.09	4.75	.04	1.16	0.00	.39
R02	13.97	9.44	5.08	55.62	54.47	.28	4.01	0.00	.69
R03	.66	.47	.13	2.16	2.47	0.00	.45	0.00	.26
R04	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	.07	.09	0.00	1.72	.13	0.00	.01	.16	.17

TABLE A-48 SYSTEM 44A (44A01) ANTI COLLISION LIGHTS EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	I-15A DUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
F01	21.00	21.00	21.00	18.00	21.00	18.00	16.00	22.00	22.00
F02	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F03	10.00	10.00	2.50	10.00	15.00	4.00	2.00	2.00	2.00
F04	500.00	500.00	368.00	392.60	720.00	187.90	180.00	193.00	193.00
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	1.00	3.00	3.00	1.00	1.00	3.00	1.00	4.00	4.00
F07	95.00	100.00	100.00	100.00	99.00	100.00	100.00	95.00	80.00
F08	10.00	9.00	6.00	6.00	6.00	12.00	5.00	12.00	14.00
F09	90.00	90.00	100.00	100.00	100.00	100.00	100.00	100.00	97.50
F10	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
F11	50.00	100.00	200.00	25.00	10.00	300.00	100.00	300.00	300.00
F12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	9.00	7.00	0.00	0.00	0.00	0.00	0.00	14.00	14.00
F16	5.00	5.00	3.00	3.00	3.00	3.00	4.00	16.00	16.00
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-49 SYSTEM 44A (44A02) LANDING/TAXI LIGHTS MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTGOMERY AFB
R01	.38	.50	2.13	6.72	9.84	.96	.73	0.00	.21
R02	.91	.67	3.89	13.18	29.08	2.04	8.82	0.00	.75
R03	.07	.31	.20	3.38	2.06	.15	.48	0.00	.09
R04	0.00	0.00	0.00	0.00	0.00	0.00	.04	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	.10	0.00	0.00	.28	0.00	0.00	.08	0.00	0.00

TABLE A-50 SYSTEM 44A (44A02) LANDING/TAXI LIGHTS EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RAHOL PH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
F01	8.00	8.00	12.00	10.00	4.00	6.00	3.00	10.00	10.00
F02	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
F03	6.00	6.00	15.00	6.00	34.00	9.50	12.00	8.00	8.00
F04	171.74	171.74	1206.00	508.90	6336.00	793.00	600.00	500.00	500.00
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F07	95.00	100.00	100.00	100.00	99.50	100.00	100.00	95.00	100.00
F08	4.00	6.00	6.00	9.00	8.00	5.00	5.00	9.00	9.00
F09	100.00	100.00	100.00	100.00	97.50	100.00	96.00	90.00	100.00
F10	1.00	1.00	2.00	3.00	2.00	2.00	4.00	2.00	4.00
F11	5.00	10.00	10.00	20.00	10.00	14.00	15.00	17.00	16.00
F12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F13	.07	0.00	0.00	.19	.13	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	5.00	5.00	0.00	5.00	5.00	5.00	0.00	14.00	14.00
F16	4.00	4.00	8.00	4.00	4.00	4.00	4.00	8.00	8.00
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-51 SYSTEM 45A HYDRAULIC PUMP MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
R01	.21	.02	1.57	1.29	.20	1.22	.23	0.00	.17
R02	5.32	3.15	8.00	8.19	4.51	7.35	4.08	.63	1.29
R03	.10	0.00	.29	.20	.04	.23	.11	0.00	.11
R04	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	.04
R05	0.00	0.00	0.00	.03	0.00	0.00	0.00	0.00	.04
R06	0.00	0.00	1.00	.19	0.00	0.00	.02	0.00	0.00

TABLE A-52 SYSTEM 45A HYDRAULIC PUMP EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BLTURG AFB	B-52G FAIRCHILD AFB	FB-111A PIATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTGOMERY AFB
F01	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
F02	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
F03	25.00	25.00	19.00	20.00	17.50	24.00	13.00	20.00	20.00
F04	462.00	462.00	1432.00	480.00	416.00	942.00	236.00	900.00	900.00
F05	275.00	275.00	275.00	275.00	275.00	275.00	275.00	275.00	275.00
F06	5.00	5.00	5.00	5.00	10.00	5.00	5.00	10.00	10.00
F07	90.00	100.00	99.00	100.00	98.00	99.00	100.00	95.00	95.00
F08	9.00	9.00	6.00	11.00	8.00	8.00	5.00	6.00	6.00
F09	95.00	100.00	100.00	80.00	100.00	100.00	100.00	99.00	99.00
F10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F11	6.50	20.00	10.00	10.00	20.00	10.00	10.00	20.00	20.00
F12	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
F13	1.28	1.25	0.00	0.00	6.69	.16	.19	.05	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F16	9.00	9.00	4.00	7.00	6.00	4.00	4.00	4.00	4.00
F17	3250.00	3250.00	3250.00	3000.00	3150.00	3050.00	3100.00	3200.00	3200.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOIDQ	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-53 SYSTEM 46A FUEL TANKS MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	I-15A LUKE AFB	I-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
R01	1.55	2.44	1.66	5.46	5.03	2.44	.07	.05	.17
R02	14.69	9.71	44.30	89.53	24.08	46.31	4.23	.04	.17
R03	.17	.09	.26	.06	.03	.15	.05	0.00	0.00
R04	0.00	.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	.05

TABLE A-54 SYSTEM 46A FUEL TANKS EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A DUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-38A RANDOLPH AFB	A-10A MYRIEL BLANCH AF B	A-10A DAVIE, WORTHAM AF B
F01	2.00	2.00	2.00	6.00	2.00	2.00	9.00	2.00	2.00
F02	4.00	4.00	3.00	4.00	3.00	3.00	1.00	3.00	3.00
F03	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F04	177.00	177.00	2553.80	142.58	688.60	1207.20	58.30	65.80	65.80
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	10.00	4.00	5.00	5.00	15.00	5.00	5.00	5.00	5.00
F07	95.00	100.00	99.00	99.00	96.50	99.00	100.00	95.00	95.00
F08	7.00	10.00	10.00	6.00	10.00	9.00	1.00	12.00	12.00
F09	80.00	100.00	100.00	100.00	96.00	100.00	100.00	97.50	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	6.00	6.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
F13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	9.00	8.00	8.00	3.00	9.00	5.00	0.00	10.00	10.00
F16	7.00	7.00	7.00	7.00	7.00	3.00	4.00	4.00	4.00
F17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-55 SYSTEM 4/A (4/AU1) OXYGEN REGULATOR MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	I-15A LOLE A/B	I-15A BUTBURG A/B	B-526 FATRICHILL A/B	FB-111A PLATTSBOROUGH A/B	C-141A TRAVEL A/B	FC-135A FATRICHILL A/B	I-95A RATBORO A/B	A-102 MYRTLE BLACK A/B	A-10A DAVE NORTHAM A/B
R01	.34	.78	.34	1.70	.33	.22	.45	.05	.59
R02	2.01	4.98	1.32	1.68	1.14	.83	2.25	.26	1.21
R03	.31	.78	.21	.56	.11	.14	.37	.05	.17
R04	0.00	.03	0.00	0.00	0.00	0.00	.06	0.00	0.00
R05	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00
R06	0.00	.03	.04	.17	.02	0.00	.04	0.00	.04

TABLE A-5. CYCLING 5/A 64/64D OXYGEN REGULATOR EQUIPMENT PARAMETER INPUT DATA

WATER/NO ₂ FLOW RATE	F 13A FUEL A/B	F 13A RETHROW, A/B	B 5,2% FUEL/NO ₂ A/B	F 13A FLAT/NO ₂ A/B	C 14A TRAVEL, A/B	F 13A FUEL/NO ₂ A/B	F 13A RETHROW A/B	A 10A METHANE A/B	A 10A LAVI, METHANE A/B
F01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
F02	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
F03	2.50	2.50	2.00	1.00	3.00	3.00	1.50	2.00	2.00
F04	25.00	75.00	100.00	25.00	25.00	35.00	34.00	190.00	190.00
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	4.00	4.00	5.00	1.00	5.00	6.00	5.00	6.00	5.00
F07	60.00	60.00	95.00	100.00	100.00	95.00	100.00	99.00	10.00
F08	11.00	5.00	11.00	7.00	7.00	9.00	7.00	6.00	6.00
F09	90.00	70.00	95.00	95.00	100.00	95.00	95.00	95.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	100.00	150.00	25.00	50.00	5.00	25.00	VOID	5.00	5.00
F12	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
F13	.07	.03	0.00	.19	0.00	0.00	.30	0.00	0.00
F14	6.00	6.00	0.00	6.00	6.00	6.00	6.00	0.00	0.00
F15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F16	4.00	4.00	6.00	7.00	7.00	5.00	0.00	1.00	1.00
F17	120.00	120.00	300.00	150.00	305.00	450.00	110.00	90.00	90.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-5/ SYSTEM 47A (4/A02) LOX CONVERTER MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	I-15A LUKE AFB	I-15A BITBURG AFB	B-52G FAIRCHILD AFB	IB-111A PLATTSBURGH AFB	C-141A THAVIS AFB	KC-135A FAIRCHILD AFB	I-38A RAHOLPH AFB	A-10A MYRIE BEACH AFB	A-10A DAVIS FOUNTAIN AFB
R01	.14	.31	1.78	.97	.47	.44	.54	.05	.09
R02	1.25	4.95	8.59	7.00	4.27	2.15	2.14	.74	.38
R03	.10	.25	.69	.69	.13	.15	.34	.05	.04
R04	0.00	0.00	0.00	0.00	0.00	0.00	.02	0.00	0.00
R05	.03	0.00	0.00	0.00	0.00	0.00	.02	0.00	0.00
R06	.10	.06	0.00	.53	.03	0.00	.10	.32	.08

TABLE A-58 SYSTEM 47A (4/A02) LOX CONVERTER EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A EDF AFB	F-15A BITBURG AFB	B-52G FATRICHTD AFB	F8-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FATRICHTD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTGOMERY AFB
F01	3.00	3.00	3.00	2.00	5.00	3.00	3.00	3.00	3.00
F02	9.00	9.00	14.00	8.00	8.00	8.00	8.00	11.00	11.00
F03	17.25	17.25	33.00	16.00	35.00	37.00	16.25	10.00	10.00
F04	5.00	5.00	25.00	15.00	25.00	8.00	5.00	5.00	5.00
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	8.00	5.00	5.00	5.00	5.00	4.00	5.00	6.00	6.00
F07	5.00	90.00	98.00	98.00	90.00	109.00	100.00	90.00	100.00
F08	5.00	5.00	15.00	5.00	8.00	4.00	6.00	5.00	6.00
F09	70.00	60.00	60.00	95.00	90.00	85.00	100.00	100.00	100.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	100.00	150.00	25.00	50.00	5.00	25.00	VOID	5.00	5.00
F12	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
F13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F16	4.00	4.00	2.00	4.00	6.00	4.00	1.00	1.00	1.00
F17	110.00	110.00	450.00	110.00	305.00	450.00	120.00	180.00	180.00
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-59 SYSTEM 49A ENGINE FIRE DETECTION MRD PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A DUKE AFB	F-15A BILBORG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A IRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BLACK AFB	A-10A DAVIS MORTMAN AFB
R01	.07	.08	.11	.30	.17	.06	.07	.04	.03
R02	1.01	1.35	.40	2.66	.42	.29	.12	.26	.18
R03	.04	.06	0.00	.19	.05	.02	.03	.02	0.00
R04	0.00	0.00	0.00	0.00	0.00	0.00	.04	0.00	0.00
R05	0.00	.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R06	0.00	0.00	0.00	.06	0.00	0.00	0.00	0.00	0.00

TABLE A-60 SYSTEM 49A ENGINE FIRE DETECTION EQUIPMENT PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	I-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A IRAVES AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
F01	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
F02	2.00	2.00	8.00	7.00	8.00	8.00	8.00	3.00	3.00
F03	2.00	2.00	.63	2.00	3.00	.63	.50	1.00	1.00
F04	2.00	2.00	VOID	VOID	.22	2.20	VOID	3.75	3.75
F05	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F06	1.00	1.00	4.00	1.00	6.00	4.00	1.00	3.00	3.00
F07	95.00	100.00	100.00	99.00	95.00	100.00	100.00	95.00	80.00
F08	5.00	5.00	4.00	14.00	16.00	9.00	9.00	10.00	10.00
F09	95.00	95.00	100.00	95.00	95.00	100.00	100.00	85.00	80.00
F10	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F11	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F12	1.00	1.00	3.00	5.00	1.00	3.00	6.00	1.00	1.00
F13	0.00	.09	0.00	1.09	0.00	.07	0.00	0.00	0.00
F14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F15	5.00	5.00	0.00	0.00	0.00	5.00	0.00	8.00	8.00
F16	9.00	9.00	3.00	7.00	3.00	3.00	4.00	8.00	8.00
F17	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F18	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F19	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F20	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F21	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F22	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F23	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
F24	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID

TABLE A-61 OPERATIONAL PARAMETERS - PHASE II

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL / SCALED	UNIT OF MEASURE
001	Years Acft. Have Been on Base	Real	No. Years
002	Avg. Mission Mix	Scaled	Weighted Number
003	Avg. Take-Off Speed	Real	Knots
004	Median Take-Off Distance	Real	Feet
005	Percent of Max. Take-Off Wt.	Real	Percent
006	Avg. Climb Rate	Real	Feet/Min.
007	Avg. Cruise Speed	Real	Knots
008	Avg. Cruise Altitude	Real	Feet/10
009	Avg. Descent Rate	Real	Feet/Min.
010	Avg. Landing Speed	Real	Knots
011	Minimum Landing Distance	Real	Feet
012	Avg. Landing Wt.	Real	LB's/1000
013	Total Flying Hours Per Acft.	Real	Hours/Acft.
014	Training Flying Hours Per Acft.	Real	Hours/Acft.

TABLE A-61 OPERATIONAL PARAMETERS - PHASE II (CONT'D)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
015	Operations Flying Hours Per Acft.	Real	Hours/Acft.
016	Total Landings Per Acft.	Real	Landings/Acft.
017	Training Landings Per Acft.	Real	Landings/Acft.
018	Operations Landings Per Acft.	Real	Landings/Acft.
019	Total Sorties Per Acft.	Real	Sorties/Acft.
020	Training Sorties Per Acft.	Real	Sorties/Acft.
021	Operations Sorties Per Acft.	Real	Sorties/Acft.
022	Avg. Possessed Acft.	Real	Acft/Mo.
023	Maximum Acft. Speed	Real	Knots - Mach
024	Service Acft. Ceiling	Real	Feet/10
025	Acft. Crew Size	Real	Number/Acft.
026	Avg. Sortie Length	Real	Hours/Sortie
027	Accidents (Major/Minor) Per Acft.	Real	No/Acft.
028	Incidents Per Acft.	Real	No/Acft.

TABLE A-62 OPERATIONS PARAMILR INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITTBRG AFB	B-52G FAIRCHILD AFB	F-111A PLATTSBURGH AFB	C-141A DAVIES AFB	KC-135A FAIRCHILD AFB	I-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIES MONTHAN AFB
001	3.67	.75	7.67	6.00	11.83	20.33	11.75	.67	2.42
002	1.10	1.91	1.10	1.78	1.86	1.20	1.00	1.90	1.70
003	150.00	150.00	156.00	165.00	130.00	150.00	155.00	130.00	120.00
004	3500.00	2500.00	8750.00	3800.00	3800.00	9500.00	2700.00	1700.00	3750.00
005	83.02	82.14	92.00	79.00	75.83	82.00	100.00	82.00	70.00
006	4000.00	6000.00	1500.00	2400.00	1400.00	1750.00	4000.00	4000.00	3500.00
007	500.00	530.00	450.00	440.00	430.00	410.00	420.00	320.00	310.00
008	2000.00	3800.00	2550.00	1650.00	3020.00	2900.00	1590.00	408.75	1000.00
009	2250.00	2250.00	4000.00	2500.00	700.00	4000.00	3000.00	3500.00	3000.00
010	116.00	118.00	115.00	123.00	97.00	115.00	130.00	115.00	111.00
011	3750.00	3750.00	2600.00	2000.00	2750.00	3500.00	3500.00	1600.00	1000.00
012	31.50	33.50	240.00	60.00	165.00	127.50	9.50	30.00	27.50
013	361.67	363.02	365.27	314.47	1369.84	237.74	345.71	196.72	469.57
014	325.54	31.59	328.74	109.16	205.44	202.08	345.71	19.67	140.87
015	36.12	223.53	36.53	204.09	1150.66	23.77	0.00	177.05	328.70
016	456.69	177.00	131.47	187.97	792.59	159.48	1046.72	105.91	228.61
017	410.97	21.28	118.32	49.94	118.91	135.56	1046.72	10.59	68.61
018	45.72	150.47	13.15	136.09	665.81	15.95	0.00	95.34	60.00
019	267.17	174.53	44.27	83.88	364.03	48.07	250.22	103.32	228.61
020	240.45	20.91	39.84	22.38	54.59	40.86	250.22	10.32	68.61
021	26.72	148.34	4.43	60.72	305.47	4.81	0.00	93.00	60.00
022	29.00	32.00	15.00	32.00	32.00	27.00	83.00	19.00	23.00
023	2.50	2.50	.84	2.20	.89	.90	1.63	.75	.75
024	7000.00	7000.00	5500.00	6000.00	4885.00	5200.00	5500.00	4420.00	4420.00
025	2.00	1.00	9.00	2.00	7.00	6.00	2.00	1.00	1.00
026	1.26	1.51	8.25	3.75	3.76	4.95	1.38	1.90	2.05
027	.10	.09	.33	.13	0.00	0.00	.05	.16	.04
028	1.97	1.31	.33	.66	1.00	.04	.45	.21	1.87

TABLE A-63 ENVIRONMENTAL PARAMETERS - PHASE II

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
E01	Base Altitude	Real	Feet
E02	Runway Direction	Real	Degrees
E03	Distance to Mountains	Real	Miles
E04	No. of Snow Days	Real	Days
E05	Total Snow Fall	Real	Inches
E06	Mean Snow Depth	Real	Inches
E07	No. of Rain Days	Real	Days
E08	Total Rain Fall	Real	Inches
E09	No. of Hail Days	Real	Days
E10	Relative Humidity (avg.)	Real	Percent
E11	No. of Thunder Days	Real	Days
E12	No. of Sleet Days	Real	Days
E13	No. of Fog Days	Real	Days
E14	Predominate Wind Direction	Real	Degrees

TABLE A-63 ENVIRONMENTAL PARAMETERS - PHASE II (CONT'D)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
E15	Maximum Crosswind's Less Than 10 MPH	Real	Days
E16	Maximum Crosswind's 10-19 MPH	Real	Days
E17	Maximum Crosswind's 20-29 MPH	Real	Days
E18	Maximum Crosswind's 30-39 MPH	Real	Days
E19	Maximum Crosswind's 40-49 MPH	Real	Days
E20	Mean Temperature	Real	Degrees "F"
E21	Mean Minimum Temperature	Real	Degrees "F"
E22	Mean Maximum Temperature	Real	Degrees "F"
E23	Days Maximum Temp. Was Above 80 ⁰ "F"	Real	Days
E24	Days Minimum Temp. Was Below 32 ⁰ "F"	Real	Days
E25	Total Number of Obstructions To Vision	Real	Number of Events
E26	Avg. Obstruction Type	Scaled	Weighted No.
E27	Avg. Obstruction Severity	Scaled	Weighted No.

TABLE A-64 ENVIRONMENTAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITTURG AFB	B-52G FAIRCHILD AFB	F-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-35A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTHAN AFB
E01	1111.00	1228.00	2472.00	245.00	62.00	2472.00	761.00	35.00	2705.00
E02	30.00	240.00	230.00	170.00	30.00	230.00	140.00	350.00	120.00
E03	10.00	35.00	15.00	30.00	4.50	15.00	55.00	225.00	15.00
E04	0.00	62.00	77.00	89.00	0.00	77.00	0.00	3.00	0.00
E05	0.00	15.70	47.30	59.90	0.00	47.30	0.00	.70	0.00
E06	0.00	3.14	9.46	9.90	0.00	9.46	0.00	.35	0.00
E07	50.00	202.00	140.00	145.00	69.00	140.00	130.00	121.00	77.00
E08	3.56	35.17	14.49	35.73	14.00	14.49	31.52	51.34	10.28
E09	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
E10	27.00	69.00	55.00	61.00	50.00	55.00	53.00	62.00	26.00
E11	19.00	19.00	10.00	25.00	7.00	10.00	47.00	51.00	51.00
E12	0.00	11.00	25.00	8.00	0.00	25.00	2.00	1.00	0.00
E13	6.00	254.00	96.00	96.00	82.00	96.00	134.00	179.00	8.00
E14	360.00	225.00	225.00	360.00	225.00	225.00	180.00	180.00	135.00
E15	59.00	34.00	36.00	24.00	21.00	36.00	9.00	13.00	25.00
E16	193.00	188.00	198.00	171.00	123.00	198.00	222.00	230.00	200.00
E17	84.00	106.00	95.00	136.00	146.00	95.00	112.00	105.00	113.00
E18	20.00	32.00	26.00	27.00	74.00	26.00	21.00	14.00	23.00
E19	4.00	4.00	2.00	7.00	0.00	2.00	1.00	2.00	3.00
E20	69.00	48.00	47.00	45.00	61.00	47.00	69.00	66.00	69.00
E21	58.00	44.00	24.00	1.00	53.00	24.00	44.00	42.00	54.00
E22	115.00	87.00	100.00	99.00	105.00	100.00	101.00	101.00	106.00
E23	214.00	4.00	52.00	31.00	108.00	52.00	205.00	142.00	199.00
E24	0.00	53.00	110.00	138.00	3.00	110.00	14.00	31.00	12.00
E25	95.00	869.00	438.00	551.00	257.00	438.00	388.00	302.00	109.00
E26	2.41	2.75	3.05	2.69	2.94	3.05	3.14	3.42	2.91
E27	228.95	2387.00	2335.90	1482.19	755.58	1335.90	1218.32	1032.84	317.10

TABLE A-65 MAINTENANCE PARAMETERS - PHASE II

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
M01	Avg. OR RATE	Real	Percent (Hrs. OR/Hours Possessed)
M02	Avg. NORM RATE	Real	Percent (Hrs. NORM/Hours Possessed)
M03	Avg. NORS RATE	Real	Percent (Hrs. NORS/Hours Possessed)
M04	Total Maint. Personnel Authorized	Real	No./Acft.
M05	Total Maint. Personnel Assigned	Real	No./Acft.
M06	Total 3 Level Maint. Personnel Assigned	Real	No./Acft.
M07	Total 5 Level Maint. Personnel Assigned	Real	No./Acft.
M08	Total 7 Level Maint. Personnel Assigned	Real	No./Acft.
M09	Total 9 Level Maint. Personnel Assigned	Real	No./Acft.
M10	Total Maint. Personnel Authorized (AMS)	Real	No./Acft.
M11	Total Maint. Personnel Assigned (AMS)	Real	No./Acft.
M12	Total 3 Level Maint Personnel Assigned (AMS)	Real	No./Acft.
M13	Total 5 Level Maint Personnel Assigned (AMS)	Real	No./Acft.
M14	Total 7 Level Maint Personnel Assigned (AMS)	Real	No./Acft.

TABLE A-65 MAINTENANCE PARAMETERS - PHASE II (CONT'D)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
M15	Total 9 Level Maint Personnel Assigned (AMS)	Real	No./Acft.
M16	Total Maint. Manhours Expended Per Acft.	Real	Hours/Acft.
M17	Avg. Turn-Around Time - Maint.	Real	Clock Hours
M18	Acft. FOD (All Causes)	Real	No./Acft.
M19	Total General Support (01-09) Manhours Per Acft.	Real	Hours/Acft.
M20	Total General Support - 01 Manhours Per Acft. Ground Handling and Servicing	Real	Hours/Acft.
M21	Total General Support - 02 Manhours Per Acft. Aircraft Cleaning	Real	Hours/Acft.
M22	Total General Support - 03 Manhours Per Acft. Look Phase of Scheduled Inspections	Real	Hours/Acft.
M23	Total General Support - 04 Manhours Per Acft. Special Inspections	Real	Hours/Acft.
M24	Total General Support - 05 Manhours Per Acft. Preservation and Storage	Real	Hours/Acft.
M25	Total General Support - 06 Manhours Per Acft. Arming and Disarming	Real	Hours/Acft.
M26	Total General Support - 07 Manhours Per Acft. Preparation and Maintenance of Records	Real	Hours/Acft.
M27	Total General Support - 09 Manhours Per Acft. In-Shop General Support	Real	Hours/Acft.

TABLE A-66 MAINTENANCE PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	I-15A LUF AFB	I-15A BIBURG AFB	B-52G FAIRCHILD AFB	FB-111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	T-38A RANDOLPH AFB	A-10A MYRTLE BEACH AFB	A-10A DAVIS MONTAN AFB
M01	33.13	54.60	47.99	45.44	57.08	68.54	64.70	60.83	52.70
M02	43.94	20.73	44.58	38.65	38.83	24.74	26.60	19.10	28.09
M03	22.93	29.25	8.54	15.93	4.09	5.16	7.40	9.04	19.24
M04	88.93	45.66	42.73	49.56	94.63	20.70	7.34	72.58	61.26
M05	97.72	43.81	42.13	49.89	87.41	20.67	7.57	73.58	64.87
M06	VOID	5.38	9.80	13.44	17.94	4.70	2.13	VOID	VOID
M07	VOID	18.44	20.20	24.04	47.09	10.07	3.63	VOID	VOID
M08	VOID	16.53	9.67	10.62	17.69	4.67	1.42	VOID	VOID
M09	VOID	2.50	2.53	1.80	4.06	1.19	.37	VOID	VOID
M10	VOID	9.03	8.93	11.97	18.41	3.33	.42	VOID	VOID
M11	VOID	8.91	9.53	11.84	16.38	3.52	.45	VOID	VOID
M12	VOID	1.53	2.87	3.38	3.75	1.04	.12	VOID	VOID
M13	VOID	2.69	4.00	5.93	8.91	1.48	.22	VOID	VOID
M14	VOID	3.97	2.27	2.09	2.88	.82	.12	VOID	VOID
M15	VOID	.59	.47	.44	.50	.15	0.00	VOID	VOID
M16	1487.07	898.37	2099.80	1440.18	3114.98	787.85	414.49	430.48	83.61
M17	1.25	1.03	8.00	5.00	2.00	4.00	3.00	1.80	2.00
M18	.97	2.06	.13	.16	.40	0.00	8.18	VOID	.52
M19	687.62	480.41	1265.86	534.17	1407.91	498.91	226.01	383.29	429.75
M20	327.43	256.37	696.85	279.42	749.36	185.50	91.00	183.28	202.69
M21	48.85	17.13	20.99	14.69	85.58	14.63	5.35	5.10	21.25
M22	169.44	107.95	247.77	73.97	413.75	162.10	92.40	69.37	104.80
M23	43.87	53.84	92.43	64.90	59.98	36.48	8.78	78.13	55.34
M24	.04	0.00	0.00	1.72	.01	.07	.19	0.00	.07
M25	35.93	16.67	6.51	10.70	.24	.15	.79	35.48	35.52
M26	48.03	19.54	41.40	72.10	33.31	18.26	16.08	8.60	4.63
M27	14.04	8.91	159.91	16.67	65.68	81.74	11.42	3.34	5.39

TABLE A-6/ AIRCRAFT GENERAL PARAMETERS - PHASE II

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL / SCALED	UNIT OF MEASURE
G01	Years Since Aircraft Was Produced	Real	Years
G02	Aircraft Empty Wt.	Real	LB's/100
G03	Max. Gross Wt. - Take-Off	Real	LB's/100
G04	Aircraft Wing Area	Real	Sq Ft.
G05	Aircraft Aspect Ratio	Real	Percent
G06	Total Fuel Capacity	Real	Gallon's/10
G07	Avg. Aircraft Wing Load	Real	LB's/Sq. Ft.
G08	Years Since Engine Production	Real	Years
G09	No. of Installed Engines Per Acft.	Real	Number
G10	Engine Wt. Per Acft. (All Engines)	Real	LB's.
G11	Total Thrust Per Acft.	Real	LB's/10
G12	Designated Climb Rate	Real	Feet/Min/10
G13	No. of Generator's Per Acft.	Real	No./Acft.
G14	Total Maint. Manhours Per Flight Hour	Real	Manhours

TABLE A-67 AIRCRAFT GENERAL PARAMETERS - PHASE II (CONT'D)

VARIABLE I.D. NUMBER	LABEL NAME	KIND OF DATA REAL/SCALED	UNIT OF MEASURE
615	Years Since Acft. First Flight	Real	Years

TABLE A-68 AIRCRAFT GENERAL PARAMETER INPUT DATA

VARIABLE I.D. NUMBER	F-15A LUKE AFB	F-15A BITBURG AFB	B-52G FAIRCHILD AFB	F4U 111A PLATTSBURGH AFB	C-141A TRAVIS AFB	KC-135A FAIRCHILD AFB	F-35A RANDOLPH AFB	A-10A MYRIE BLANCH AF B	A-10A DAVIS FORDHAM AF B
G01	6.00	6.00	19.00	9.00	14.00	21.00	18.00	5.00	5.00
G02	400.00	400.00	1684.49	470.58	1363.00	971.91	77.70	198.56	198.56
G03	500.00	500.00	4880.00	1143.00	3166.00	2970.00	117.00	467.86	467.86
G04	608.00	608.00	4000.00	655.50	3244.00	2313.40	170.00	506.00	506.00
G05	3.00	3.00	8.55	1.57	7.90	7.06	3.75	6.54	6.54
G06	357.90	357.90	4657.50	928.50	2308.00	3130.00	60.00	343.80	343.80
G07	85.70	85.70	122.00	201.20	98.10	VOID	67.90	92.50	92.50
G08	5.00	5.00	25.00	17.00	18.00	25.00	VOID	4.00	4.00
G09	2.00	2.00	8.00	2.00	4.00	4.00	2.00	2.00	2.00
G10	604.20	604.20	3096.00	824.20	1860.00	1728.00	116.80	285.40	285.40
G11	4800.00	4800.00	8960.00	4070.00	8400.00	5500.00	770.00	1813.00	1813.00
G12	6725.00	6725.00	545.00	2341.80	727.00	590.00	3360.00	534.00	534.00
G13	2.00	2.00	4.00	2.00	4.00	3.00	2.00	2.00	2.00
G14	46.02	40.79	73.36	54.95	19.07	39.82	14.25	16.79	18.47
G15	6.00	6.00	22.00	11.00	15.00	24.00	19.00	5.00	5.00

APPENDIX B
MAINTENANCE IMPACT ESTIMATING
RELATIONSHIP (MIER)
SCATTERPLOT IDENTIFICATION ARRAYS

The tables contained in this appendix array the Maintenance Resource Demand (MRD) variables against the candidate Maintenance Impact Parameters for each of the 12 subsystems studied during Phase I and the 13 subsystems studied during Phase II.

These tables also serve as an index to the 12,744 variable combinations that were tested across the 12 subsystems during Phase I and the 13,716 combinations tested across the 18 Phase II subsystems (26,460 total combinations). They are sequenced by subsystem and reflect the total combinations of MRD variables vs the candidate Maintenance Impact Variables for each category of parameters, i.e., equipment, operations, environmental, maintenance, and aircraft general.

Two catalogs (Phase I and Phase II) of the Maintenance Impact Estimating Relationship (MIER) scatterplots for those variable combinations that had a .5 or better correlation coefficient have been prepared as supplements to this document, so they can be retained for future studies.

The intersect box for each MRD vs Candidate Maintenance Impact Variable contained in the Appendix B Tables reflects the page number of the scatterplots contained in the MIER Supplements. For example, on Table B-1 MRD variable P01 - Maintenance Actions Demand vs Engine Equipment variable P02 - Total of Installed Engines, the intersect box reflects a number 7, therefore there was a correlation of .5 or better and the actual scatterplot has been cataloged on page 7 in the Phase I supplement. Those intersect blocks that are blank will tell the user that the actual correlation coefficient was less than .5 and the scatterplot was rejected and not included in the supplement. The intersect back codes of Tables B-61 through B-150 start over from 1 to reflect the corresponding page numbers.

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SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-2 WUC 23 - POWER PLANT MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S							
		P01 MAINT ACTION DEMAND PER ACFT	P18 TOT ENG MHRS PER ACFT	P19 TOT ENG REMOVALS PER ACFT	P20 UNSCHED ENG REMOVALS PER ACFT	P21 SCHED ENG REMOVALS PER ACFT	P22 ENG GROUND ABORTS PER ACFT	P23 ENG AIR ABORTS PER ACFT	P24 ENG PARTS LANDS PER ACFT
001	EQUIPMENT MAINT (TRANSFORM)								
002	YEARS ACFT HAVE BEEN ON BASE								
003	AVG MISSION MIX								
004	AIRCRAFT GROUNDED TIME								
005	AVG TAKE-OFF SPEED								
006	MEDIAN TAKE-OFF DISTANCE							186	
007	PERCENT OF MAX TAKE-OFF WT						156		
008	AVG CLIMB RATE	10	48				155		204
009	AVG CRUISE SPEED								
010	AVG CRUISE ALTITUDE	11	47		109				
011	AVG DESCENT RATE			31	20	27			
012	AVG LANDING SPEED								
013	MINIMUM LANDING DISTANCE								
014	AVG LANDING WT	1	46	33	03		54	115	
015	TOTAL FLYING HOURS PER ACFT								
016	TRAINING FLYING HOURS PER ACFT								
017	OPERATIONS FLYING HOURS PER ACFT								
018	MISC FLYING HOURS PER ACFT								
019	TOTAL LANDINGS PER ACFT						152	133	
020	TRAINING LANDINGS PER ACFT						157	137	
021	OPERATIONS LANDINGS PER ACFT								
022	MISC LANDINGS PER ACFT								
023	AVG NO OF ACFT ON ALERT								
024	AVG NO OF DEPLOYED ACFT						57		
025	TOTAL SORTIES PER ACFT			17	129		172		
026	TRAINING SORTIES PER ACFT						150	130	
027	OPERATIONS SORTIES PER ACFT	12		12					
028	MISC SORTIES PER ACFT								
029	AVG POSSESSED ACFT						47		
030	MAXIMUM ACFT SPEED								
031	MAXIMUM ACFT CEILING								
032	ACFT CREW SIZE	5	45	12	107		157	137	
033	AVG SORTIE LENGTH	13	49				153	131	
034	ACCIDENTS (MAJOR/MINOR) PER ACFT								
035	INCIDENTS PER ACFT					127		133	

TABLE B-3 WUC 23 - POWER PLANT MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

ENVIRONMENTAL PARAMETERS		MRD'S							
		P01 MAINT ACTION DEMAND PER ACFT	P18 TOT ENG MHRS PER ACFT	P19 TOT ENG REMOVALS PER ACFT	P20 UNSCHED ENG REMOVALS PER ACFT	P21 SCHED ENG REMOVALS PER ACFT	P22 ENG GROUND ABORTS PER ACFT	P23 ENG AIR ABORTS PER ACFT	P24 ENG PART CANS PER ACFT
E01	EQUIPMENT MAO TRANSFORM								
E02	BASE ALTITUDE								
E03	RUNWAY DIRECTION		52						
E04	DISTANCE TO MOUNTAINS								
E05	DIRECTION TO MOUNTAINS								
E06	NO OF SNOW DAYS								
E07	TOTAL SNOW FALL								
E08	MEAN SNOW DEPTH								
E09	NO OF RAIN DAYS								267
E10	TOTAL RAIN FALL								210
E11	NO OF HAIL DAYS								
E12	RELATIVE HUMIDITY								211
E13	NO OF THUNDER DAYS	16	50				161		
E14	NO OF SLEET DAYS								
E15	NO OF FOG DAYS								225
E16	PREDOMINATE WIND DIRECTION								
E17	MAX CROSSWINDS LESS THAN 10 MPH								
E18	MAX CROSSWINDS 10-19 MPH	15	51				153		
E19	MAX CROSSWINDS 20-29 MPH								
E20	MAX CROSSWINDS 30-39 MPH	17							
E21	MAX CROSSWINDS 40-49 MPH								
E22	MAX CROSSWINDS GREATER THAN 50 MPH								
E23	MEAN TEMP						159	190	
E24	MEAN MIN TEMP								
E25	MEAN MAX TEMP								100
E26	DAYS MAX TEMP WAS ABOVE 80° "F"						160	159	
E27	DAYS MIN TEMP WAS BELOW 32° "F"							191	
E28	TOTAL OBSTRUCTIONS TO VISION								224
E29	PREDOMINATE TYPE OF OBSTRUCTIONS								
E30	AVG OBSTRUCTION TYPE								
E31	AVG OBSTRUCTION SEVERITY								103

TABLE B-4 WUC 23 - POWER PLANT MIER

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

MAINTENANCE PARAMETERS		MRD'S							
		P01 MAINT ACTION DEMAND PER ACFT	P18 TOT ENG MHRS PER ACFT	P19 TOT ENG REMOVALS PER ACFT	P20 UNSCHED ENG REMOVALS PER ACFT	P21 SCHED ENG REMOVALS PER ACFT	P22 ENG GROUND ABORTS PER ACFT	P23 ENG AIR ABORTS PER ACFT	P24 ENG PART CANNIS PER ACFT
M01	EQUIPMENT MAINT (TRANSFORM)								
M02	AVG DR RATE				140				
M03	AVG NORM RATE				142				212
M04	AVG NCORS RATE								
M05	TOTAL MAINT PERSONNEL AUTHORIZED				141				
M06	TOTAL MAINT PERSONNEL ASSIGNED				138				
M07	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED	23	59	83	117	123			
M08	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED	10	55	83	111	130			
M09	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED	28	64	96	120	130			
M10	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED	13	57	89	113	135	166		
M11	TOTAL MAINT PERSONNEL AUTHORIZED (AMS)	22	61	92	116	132	187		
M12	TOTAL MAINT PERSONNEL ASSIGNED (AMS)	27	62	94	119	134	167		
M13	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	26	63	95	119	139	164		
M14	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	21	57	91	115	131	163		
M15	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED (AMS)								
M16	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED (AMS)								
M17	TOTAL MAINT MANHOURS EXPENDED PER ACFT		53						
M18	AMS MAINT MANHOURS EXPENDED PER ACFT			86					
M19	MAINT CONCEPT								
M20	AVG TURN AROUND TIME MAINT							193	
M21	ACFT FOD (ALL CAUSES)						22	192	
M22	TOT GEN SUPPORT (01-09) MHRS PER ACFT	19							
M23	GEN SUPPORT 01 MHRS PER ACFT		56	70	114				
M24	GEN SUPPORT 02 MHRS PER ACFT	25	20	11	12	137			
M25	GEN SUPPORT 03 MHRS PER ACFT	17	54	85	110				
M26	GEN SUPPORT 04 MHRS PER ACFT						163		
M27	GEN SUPPORT 05 MHRS PER ACFT								
M28	GEN SUPPORT 06 MHRS PER ACFT								
M29	GEN SUPPORT 07 MHRS PER ACFT								
M30	GEN SUPPORT 09 MHRS PER ACFT	27	25						

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)D194-10089-2

TABLE 8-7 WUC 51A - FLIGHT INDICATORS MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRO'S)

OPERATIONS PARAMETERS		MRO'S							
		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUNDED ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CARRIS PER ACFT
001	EQUIPMENT MAINT TRANSFORM								
002	YEARS ACFT HAVE BEEN ON BASE								
003	AVG MISSION MIX								
004	AIRCRAFT GROUNDED TIME								
005	AVG TAKE-OFF SPEED								
006	MEDIAN TAKE-OFF DISTANCE								
007	PERCENT OF MAX TAKE-OFF WT								
008	AVG. CLIMB RATE								
009	AVG CRUISE SPEED								
010	AVG CRUISE ALTITUDE								219
011	AVG DESCENT RATE	220	247						
012	AVG LANDING SPEED								
013	MINIMUM LANDING DISTANCE	221							
014	AVG LANDING WT								
015	TOTAL FLYING HOURS PER ACFT	222							
016	TRAINING FLYING HOURS PER ACFT								
017	OPERATIONS FLYING HOURS PER ACFT	223							
018	MISC FLYING HOURS PER ACFT								
019	TOTAL LANDINGS PER ACFT			266	279				
020	TRAINING LANDINGS PER ACFT								
021	OPERATIONS LANDINGS PER ACFT								
022	MISC LANDINGS PER ACFT								
023	AVG NO OF ACFT ON ALERT								
024	AVG NO OF DEPLOYED ACFT								
025	TOTAL SORTIES PER ACFT								
026	TRAINING SORTIES PER ACFT								
027	OPERATIONS SORTIES PER ACFT								
028	MISC SORTIES PER ACFT								
029	AVG POSSESSED ACFT								
030	MAXIMUM ACFT SPEED								
031	MAXIMUM ACFT CENING								
032	ACFT CREW SIZE								
033	AVG SORTIE LENGTH								
034	ACCIDENTS MAJOR-MINOR PER ACFT								
035	INCIDENTS PER ACFT								

TABLE B-8 WUC 51A - FLIGHT INDICATORS MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

ENVIRONMENTAL PARAMETERS	MRD'S						
	A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP ATR ABORTS PER ACFT
E01 EQUIPMENT MAINT (TRANSFORM)							
E02 BASE ALTITUDE	127	251	143	141			139
E03 RUNWAY DIRECTION	227	251					
E04 DISTANCE TO MOUNTAINS							
E05 DIRECTION TO MOUNTAINS							133
E06 NO OF SNOW DAYS							
E07 TOTAL SNOW FALL							
E08 MEAN SNOW DEPTH							
E09 NO OF RAIN DAYS							
E10 TOTAL RAIN FALL							
E11 NO OF HAIL DAYS							
E12 RELATIVE HUMIDITY							
E13 NO OF THUNDER DAYS							
E14 NO OF SLEET DAYS							
E15 NO OF FOG DAYS							
E16 PREDOMINATE WIND DIRECTION		150					
E17 MAX CROSSWINDS LESS THAN 10 MPH							
E18 MAX CROSSWINDS 10-19 MPH	226						
E19 MAX CROSSWINDS 20-29 MPH	224	149	147	140			135
E20 MAX CROSSWINDS 30-39 MPH	225						
E21 MAX CROSSWINDS 40-49 MPH							137
E22 MAX CROSSWINDS GREATER THAN 50 MPH							
E23 MEAN TEMP							
E24 MEAN MIN TEMP							
E25 MEAN MAX TEMP							
E26 DAYS MAX TEMP WAS ABOVE 80°F							
E27 DAYS MIN TEMP WAS BELOW 32°F							
E28 TOTAL OBSTRUCTIONS TO VISION							
E29 PREDOMINATE TYPE OF OBSTRUCTIONS							
E30 AVG OBSTRUCTION TYPE							
E31 AVG OBSTRUCTION SEVERITY							

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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IDENTIFICATION ARRAY
(AIRPORT NAME, MPD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-12 WUC 51E - AIR DATA SYSTEM MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY (OPERATIONS VS MRD'S)		MRD'S							
OPERATIONS PARAMETERS		A01 MAINT ACTION DMMND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNS PER ACFT
001	EQUIPMENT MAD (TRANSFORM)								
002	YEARS ACFT HAVE BEEN ON BASE								
003	AVG MISSION MIX								
004	AIRCRAFT GROUNDED TIME								
005	AVG TAKE-OFF SPEED								
006	MEDIAN TAKE-OFF DISTANCE								
007	PERCENT OF MAX TAKE-OFF WT								
008	AVG. CLIMB RATE	10	142	113	14				
009	AVG CRUISE SPEED								
010	AVG CRUISE ALTITUDE								
011	AVG DESCENT RATE		142	101	136				
012	AVG LANDING SPEED								
013	MINIMUM LANDING DISTANCE	100							
014	AVG LANDING WT	124							
015	TOTAL FLYING HOURS PER ACFT	101							
016	TRAINING FLYING HOURS PER ACFT								
017	OPERATIONS FLYING HOURS PER ACFT								
018	MISC FLYING HOURS PER ACFT								
019	TOTAL LANDINGS PER ACFT								
020	TRAINING LANDINGS PER ACFT								
021	OPERATIONS LANDINGS PER ACFT								
022	MISC LANDINGS PER ACFT	101							
023	AVG NO OF ACFT ON ALERT	100	141						
024	AVG NO OF DEPLOYED ACFT								
025	TOTAL SORTIES PER ACFT								
026	TRAINING SORTIES PER ACFT								
027	OPERATIONS SORTIES PER ACFT			102	107				
028	MISC SORTIES PER ACFT								
029	AVG POSSESSED ACFT								
030	MAXIMUM ACFT SPEED								
031	MAXIMUM ACFT CEILING								
032	ACFT CREW SIZE	101							
033	AVG SORTIE LENGTH								
034	ACCIDENTS (MAJOR, MINOR) PER ACFT								
035	INCIDENTS PER ACFT								

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-17 WUC 51N - HORIZONTAL SITUATION INDICATING MIER
SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S	A01 MAIN ACTION DILAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP LAIRS PER ACFT
001	EQUIPMENT MAD (TRANSFORM)									
002	YEARS ACFT HAVE BEEN ON BASE									
003	AVG MISSION MIX									
004	AIRCRAFT GROUNDED TIME									
005	AVG TAKE-OFF SPEED									
006	MEDIAN TAKE-OFF DISTANCE									
007	PERCENT OF MAX TAKE-OFF WT									
008	AVG CLIMB RATE									
009	AVG CRUISE SPEED									
010	AVG CRUISE ALTITUDE									
011	AVG DESCENT RATE									
012	AVG LANDING SPEED									
013	MINIMUM LANDING DISTANCE									
014	AVG LANDING WT									
015	TOTAL FLYING HOURS PER ACFT									
016	TRAINING FLYING HOURS PER ACFT									
017	OPERATIONS FLYING HOURS PER ACFT									
018	MISC FLYING HOURS PER ACFT									
019	TOTAL LANDINGS PER ACFT									
020	TRAINING LANDINGS PER ACFT									
021	OPERATIONS LANDINGS PER ACFT									
022	MISC LANDINGS PER ACFT									
023	AVG NO OF ACFT ON ALERT									
024	AVG NO OF DEPLOYED ACFT									
025	TOTAL SORTIES PER ACFT									
026	TRAINING SORTIES PER ACFT									
027	OPERATIONS SORTIES PER ACFT									
028	MISC SORTIES PER ACFT									
029	AVG POSSESSED ACFT									
030	MAXIMUM ACFT SPEED									
031	MAXIMUM ACFT CEILING									
032	ACFT CREW SIZE									
033	AVG SORTIE LENGTH									
034	ACCIDENTS (MAJOR/MINOR) PER ACFT									
035	INCIDENTS PER ACFT									

TABLE B-18 WUC 51N - HORIZONTAL SITUATION INDICATING MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

ENVIRONMENTAL PARAMETERS		MRD'S	A01 MATH ACTION DEMAND PER ACFT	A21 EQUIP TOT MHIR PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CARRIS PER ACFT
E01	EQUIPMENT MAD (TRANSFORM)									
E02	BASE ALTITUDE									
E03	RUNWAY DIRECTION									
E04	DISTANCE TO MOUNTAINS									
E05	DIRECTION TO MOUNTAINS									
E06	NO OF SNOW DAYS									
E07	TOTAL SNOW FALL									
E08	MEAN SNOW DEPTH									
E09	NO OF RAIN DAYS									
E10	TOTAL RAIN FALL									
E11	NO OF HAIL DAYS									
E12	RELATIVE HUMIDITY									
E13	NO OF THUNDER DAYS									
E14	NO OF SLEET DAYS									
E15	NO OF FOG DAYS									
E16	PREDOMINATE WIND DIRECTION									
E17	MAX CROSSWINDS LESS THAN 10 MPH									
E18	MAX CROSSWINDS 10-19 MPH									
E19	MAX CROSSWINDS 20-29 MPH									
E20	MAX CROSSWINDS 30-39 MPH									
E21	MAX CROSSWINDS 40-49 MPH									
E22	MAX CROSSWINDS GREATER THAN 50 MPH									
E23	MEAN TEMP									
E24	MEAN MIN TEMP									
E25	MEAN MAX TEMP									
E26	DAYS MAX TEMP WAS ABOVE 30°F									
E27	DAYS MIN TEMP WAS BELOW 32°F									
E28	TOTAL OBSTRUCTIONS TO VISION									
E29	PREDOMINATE TYPE OF OBSTRUCTIONS									
E30	AVG OBSTRUCTION TYPE									
E31	AVG OBSTRUCTION SEVERITY									

TABLE B-19 WUC 51N - HORIZONTAL SITUATION INDICATING MIER

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

MAINTENANCE PARAMETERS		MRD'S							
		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MMIR PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CARRS PER ACFT
M01	EQUIPMENT MAG (TRANSFORM)								
M02	AVG DR RATE								
M03	AVG NORM RATE	1.52	1.00	1.00					1.00
M04	AVG WORS RATE								
M05	TOTAL MAINT PERSONNEL AUTHORIZED								
M06	TOTAL MAINT PERSONNEL ASSIGNED								
M07	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED	1.00	1.00						
M08	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED	1.00	1.00						
M09	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED	1.00	1.00						
M10	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED	1.00	1.00	1.00					
M11	TOTAL MAINT PERSONNEL AUTHORIZED (AMS)	1.00	1.00						
M12	TOTAL MAINT PERSONNEL ASSIGNED (AMS)	1.00	1.00						
M13	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	1.00	1.00	1.00					
M14	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	1.00	1.00						
M15	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	1.00	1.00						
M16	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	1.00	1.00						
M17	TOTAL MAINT MANHOURS EXPENDED PER ACFT	1.00	1.00	1.00					
M18	AMS MAINT MANHOURS EXPENDED PER ACFT								
M19	MAINT CONCEPT								
M20	AVG TURN AROUND TIME MAINT	1.00	1.00	1.00					
M21	ACFT EDD (ALL CAUSES)								
M22	TOT GEN SUPPORT (01-09) MHRS PER ACFT	1.00	1.00	1.00					
M23	GEN SUPPORT 01 MHRS PER ACFT	1.00	1.00	1.00					
M24	GEN SUPPORT 02 MHRS PER ACFT	1.00	1.00	1.00					
M25	GEN SUPPORT 03 MHRS PER ACFT	1.00	1.00	1.00					
M26	GEN SUPPORT 04 MHRS PER ACFT								
M27	GEN SUPPORT 05 MHRS PER ACFT								
M28	GEN SUPPORT 06 MHRS PER ACFT	1.00	1.00	1.00					
M29	GEN SUPPORT 07 MHRS PER ACFT								
M30	GEN SUPPORT 09 MHRS PER ACFT	1.00	1.00	1.00					

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

[illegible]

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

0194-10069-2

AD-A097 692 BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER-ETC F/B 1/3
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS-ETC(U)
OCT 80 D K HINDS; G A WALKER; D H WILSON F33615-77-C-0075
UNCLASSIFIED D194-10089-2 NL

BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER--ETC F/G 1/3
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS--ETC(U)
OCT 80 D K HINDES, G A WALKER, D H WILSON F33615-77-C-0075
D194-10089-2 ML

UNCLASSIFIED

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50769C



TABLE B-23 WUC 52A - AUTO PILOT MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY (ENVIRONMENTAL VS MRD'S)		MRD'S								
ENVIRONMENTAL PARAMETERS		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHIR PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNIS PER ACFT	
E01	EQUIPMENT MAD (TRANSFORM)									
E02	BASE ALTITUDE									
E03	RUNWAY DIRECTION									
E04	DISTANCE TO MOUNTAINS									
E05	DIRECTION TO MOUNTAINS									
E06	NO OF SNOW DAYS			6.47	1.1					
E07	TOTAL SNOW FALL			1.2	0.17					
E08	MEAN SNOW DEPTH	5.77	1.6	1.5	6.11					
E09	NO OF RAIN DAYS									
E10	TOTAL RAIN FALL									
E11	NO OF HAIL DAYS									
E12	RELATIVE HUMIDITY									
E13	NO OF THUNDER DAYS	5.73		1.46	1.2					
E14	NO OF SLEET DAYS									
E15	NO OF FOG DAYS									
E16	PREDOMINATE WIND DIRECTION		0.13							
E17	MAX CROSSWINDS LESS THAN 10 MPH									
E18	MAX CROSSWINDS 10-19 MPH	5.76		1.3	1.1					
E19	MAX CROSSWINDS 20-29 MPH			1.4	1.05					
E20	MAX CROSSWINDS 30-39 MPH									
E21	MAX CROSSWINDS 40-49 MPH		1.5							
E22	MAX CROSSWINDS GREATER THAN 50 MPH									
E23	MEAN TEMP	5.75	1.7							
E24	MEAN MIN TEMP	5.73								
E25	MEAN MAX TEMP				1.0					
E26	DAYS MAX TEMP WAS ABOVE 80°F	5.79	1.4	1.14	1.1					
E27	DAYS MIN TEMP WAS BELOW 32°F	5.74	1.4	1.4	1.0					
E28	TOTAL OBSTRUCTIONS TO VISION									
E29	PREDOMINATE TYPE OF OBSTRUCTIONS									
E30	AVG OBSTRUCTION TYPE						7.2			
E31	AVG OBSTRUCTION SEVERITY									

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

[illegible]

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-27 WUC 63A - UHF COMMUNICATIONS SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S	A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNIS PER ACFT
001	EQUIPMENT MAD (TRANSFORM)									
002	YEARS ACFT HAVE BEEN ON BASE		742		742					
003	AVG MISSION MIX								761	
004	AIRCRAFT GROUNDED TIME									
005	AVG TAKE-OFF SPEED									
006	MEDIAN TAKE-OFF DISTANCE									
007	PERCENT OF MAX TAKE-OFF WT								757	
008	AVG. CLIMB RATE			777	710	746				
009	AVG CRUISE SPEED									
010	AVG CRUISE ALTITUDE				13	849				
011	AVG DESCENT RATE			733						
012	AVG LANDING SPEED								763	
013	MINIMUM LANDING DISTANCE									
014	AVG LANDING WT		743	790	812	848				
015	TOTAL FLYING HOURS PER ACFT			771	711	847				
016	TRAINING FLYING HOURS PER ACFT								760	
017	OPERATIONS FLYING HOURS PER ACFT			772	814	850				
018	MISC FLYING HOURS PER ACFT		738	775	807	843				
019	TOTAL LANDINGS PER ACFT								762	
020	TRAINING LANDINGS PER ACFT								765	
021	OPERATIONS LANDINGS PER ACFT									
022	MISC LANDINGS PER ACFT		759	779	808	844			764	
023	AVG NO OF ACFT ON ALERT									
024	AVG NO OF DEPLOYED ACFT								759	
025	TOTAL SORTIES PER ACFT			778						
026	TRAINING SORTIES PER ACFT								760	763
027	OPERATIONS SORTIES PER ACFT		741	774						
028	MISC SORTIES PER ACFT		744							
029	AVG POSSESSED ACFT								761	
030	MAXIMUM ACFT SPEED									
031	MAXIMUM ACFT CEILING									
032	ACFT CREW SIZE		740	776	809	845				
033	AVG SORTIE LENGTH									
034	ACCIDENTS (MAJOR/MINOR) PER ACFT									
035	INCIDENTS PER ACFT									767

TABLE B-28 WUC 63A - UHF COMMUNICATIONS SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY (ENVIRONMENTAL VS MRD'S)		MRD'S							
ENVIRONMENTAL PARAMETERS		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MMWR PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNIS PER ACFT
E01	EQUIPMENT MAD (TRANSFORM)								
E02	BASE ALTITUDE								
E03	RUNWAY DIRECTION		735						
E04	DISTANCE TO MOUNTAINS			1.3	154				
E05	DIRECTION TO MOUNTAINS								
E06	NO OF SNOW DAYS								
E07	TOTAL SNOW FALL								
E08	MEAN SNOW DEPTH								
E09	NO OF RAIN DAYS								124
E10	TOTAL RAIN FALL								
E11	NO OF HAIL DAYS								
E12	RELATIVE HUMIDITY								173
E13	NO OF THUNDER DAYS	747	734	1.0	152				
E14	NO OF SLEET DAYS								
E15	NO OF FOG DAYS								
E16	PREDOMINATE WIND DIRECTION								171
E17	MAX CROSSWINDS LESS THAN 10 MPH								170
E18	MAX CROSSWINDS 10-19 MPH	746	732	1.5	151				
E19	MAX CROSSWINDS 20-29 MPH	744	733						
E20	MAX CROSSWINDS 30-39 MPH	745	731	1.7	153				
E21	MAX CROSSWINDS 40-49 MPH								
E22	MAX CROSSWINDS GREATER THAN 50 MPH								
E23	MEAN TEMP								
E24	MEAN MIN TEMP								
E25	MEAN MAX TEMP								
E26	DAYS MAX TEMP WAS ABOVE 80°F								
E27	DAYS MIN TEMP WAS BELOW 32°F								
E28	TOTAL OBSTRUCTIONS TO VISION								
E29	PREDOMINATE TYPE OF OBSTRUCTIONS								
E30	AVG OBSTRUCTION TYPE								172
E31	AVG OBSTRUCTION SEVERITY								172

TABLE B-29 WUC 63A - UHF COMMUNICATIONS SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY (MAINTENANCE VS MRD'S)		MRD'S							
MAINTENANCE PARAMETERS		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHR PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANN PER ACFT
M01	EQUIPMENT MAD (TRANSFORM)								
M02	AVG OR RATE								
M03	AVG NORM RATE		149						
M04	AVG NORS RATE			126					
M05	TOTAL MAINT PERSONNEL AUTHORIZED								
M06	TOTAL MAINT PERSONNEL ASSIGNED								
M07	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED	754	797	121					
M08	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED	751	786	124					
M09	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED		748						
M10	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED		793						
M11	TOTAL MAINT PERSONNEL AUTHORIZED (AMS)	759	792						
M12	TOTAL MAINT PERSONNEL ASSIGNED (AMS)	760	794						
M13	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	761	797						
M14	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	753	788	127					
M15	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED (AMS)								
M16	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED (AMS)								
M17	TOTAL MAINT MANHOURS EXPENDED PER ACFT	750	777	121					
M18	AMS MAINT MANHOURS EXPENDED PER ACFT								
M19	MAINT CONCEPT								
M20	AVG TURN AROUND TIME MAINT								
M21	ACFT FOD (ALL CAUSES)								
M22	TOT GEN SUPPORT (01-09) MHR PER ACFT	755	775	122					
M23	GEN SUPPORT 01 MHR PER ACFT	757	776	121					
M24	GEN SUPPORT 02 MHR PER ACFT	752	770	123					
M25	GEN SUPPORT 03 MHR PER ACFT	749	771	120					
M26	GEN SUPPORT 04 MHR PER ACFT								
M27	GEN SUPPORT 05 MHR PER ACFT								
M28	GEN SUPPORT 06 MHR PER ACFT	756							
M29	GEN SUPPORT 07 MHR PER ACFT								
M30	GEN SUPPORT 09 MHR PER ACFT	758		129					

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-32 WUC 65A - TRANSPONDER SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY (OPERATIONS VS MRD'S)		MRD'S								
OPERATIONS PARAMETERS		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNS PER ACFT	
001	EQUIPMENT MAD (TRANSFORM)									
002	YEARS ACFT HAVE BEEN ON BASE									
003	AVG MISSION MIX	7.4								
004	AIRCRAFT GROUNDED TIME									
005	AVG TAKE-OFF SPEED	131		820	931				4.0	
006	MEDIAN TAKE-OFF DISTANCE									
007	PERCENT OF MAX TAKE-OFF WT									
008	AVG. CLIMB RATE									
009	AVG CRUISE SPEED	175								
010	AVG CRUISE ALTITUDE									
011	AVG DESCENT RATE		800							
012	AVG LANDING SPEED			721	1752					
013	MINIMUM LANDING DISTANCE	112								
014	AVG LANDING WT									
015	TOTAL FLYING HOURS PER ACFT									
016	TRAINING FLYING HOURS PER ACFT									
017	OPERATIONS FLYING HOURS PER ACFT									
018	MISC FLYING HOURS PER ACFT									
019	TOTAL LANDINGS PER ACFT									
020	TRAINING LANDINGS PER ACFT									
021	OPERATIONS LANDINGS PER ACFT									
022	MISC LANDINGS PER ACFT									
023	AVG NO OF ACFT ON ALERT									
024	AVG NO OF DEPLOYED ACFT									
025	TOTAL SORTIES PER ACFT									
026	TRAINING SORTIES PER ACFT									
027	OPERATIONS SORTIES PER ACFT									
028	MISC SORTIES PER ACFT									
029	AVG POSSESSED ACFT									
030	MAXIMUM ACFT SPEED									
031	MAXIMUM ACFT CEILING									
032	ACFT CREW SIZE									
033	AVG SORTIE LENGTH									
034	ACCIDENTS (MAJOR/MINOR) PER ACFT									
035	INCIDENTS PER ACFT									

TABLE B-33 WUC 65A - TRANSPONDER SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

ENVIRONMENTAL PARAMETERS		MRD'S	A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MMIR PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNS PER ACFT
E01	EQUIPMENT MAD (TRANSFORM)									
E02	BASE ALTITUDE									
E03	RUNWAY DIRECTION									
E04	DISTANCE TO MOUNTAINS									
E05	DIRECTION TO MOUNTAINS									
E06	NO OF SNOW DAYS		1.17							
E07	TOTAL SNOW FALL									
E08	MEAN SNOW DEPTH									
E09	NO OF RAIN DAYS									
E10	TOTAL RAIN FALL									
E11	NO OF HAIL DAYS									
E12	RELATIVE HUMIDITY		1.00							
E13	NO OF THUNDER DAYS		1.00							
E14	NO OF SLEET DAYS									
E15	NO OF FOG DAYS									
E16	PREDOMINATE WIND DIRECTION			1.00						
E17	MAX CROSSWINDS LESS THAN 10 MPH									
E18	MAX CROSSWINDS 10-19 MPH									
E19	MAX CROSSWINDS 20-29 MPH			1.00	1.00	1.00				
E20	MAX CROSSWINDS 30-39 MPH									
E21	MAX CROSSWINDS 40-49 MPH			1.00						
E22	MAX CROSSWINDS GREATER THAN 50 MPH									
E23	MEAN TEMP									
E24	MEAN MIN TEMP									
E25	MEAN MAX TEMP									
E26	DAYS MAX TEMP WAS ABOVE 80°F									
E27	DAYS MIN TEMP WAS BELOW 32°F									
E28	TOTAL OBSTRUCTIONS TO VISION									
E29	PREDOMINATE TYPE OF OBSTRUCTIONS									
E30	AVG OBSTRUCTION TYPE			1.00						
E31	AVG OBSTRUCTION SEVERITY		1.00							

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

[illegible]

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-37 WUC 71A - INERTIAL NAVIGATION SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S							
		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNIS PER ACFT
001	EQUIPMENT MAD (TRANSFORM)								
002	YEARS ACFT HAVE BEEN ON BASE								
003	AVG MISSION MIX								
004	AIRCRAFT GROUNDED TIME								
005	AVG TAKE-OFF SPEED	257	100	710	254				
006	MEDIAN TAKE-OFF DISTANCE								
007	PERCENT OF MAX TAKE-OFF WT								
008	AVG. CLIMB RATE								
009	AVG CRUISE SPEED	254							
010	AVG CRUISE ALTITUDE								
011	AVG DESCENT RATE								
012	AVG LANDING SPEED								
013	MINIMUM LANDING DISTANCE	952							
014	AVG LANDING WT								
015	TOTAL FLYING HOURS PER ACFT								
016	TRAINING FLYING HOURS PER ACFT								
017	OPERATIONS FLYING HOURS PER ACFT								
018	MISC FLYING HOURS PER ACFT								
019	TOTAL LANDINGS PER ACFT		275	100					
020	TRAINING LANDINGS PER ACFT								
021	OPERATIONS LANDINGS PER ACFT								
022	MISC LANDINGS PER ACFT								
023	AVG NO OF ACFT ON ALERT								
024	AVG NO OF DEPLOYED ACFT								
025	TOTAL SORTIES PER ACFT	255	970						105
026	TRAINING SORTIES PER ACFT								
027	OPERATIONS SORTIES PER ACFT								
028	MISC SORTIES PER ACFT								
029	AVG POSSESSED ACFT								
030	MAXIMUM ACFT SPEED	250							
031	MAXIMUM ACFT CEILING								
032	ACFT CREW SIZE								
033	AVG SORTIE LENGTH								
034	ACCIDENTS MAJOR MINOR PER ACFT	200	100	100	200				200
035	INCIDENTS PER ACFT								

TABLE B-38 WUC 71A - INERTIAL NAVIGATION SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY (ENVIRONMENTAL VS MRD'S)		MRD'S							
ENVIRONMENTAL PARAMETERS		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MAINT PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNIS PER ACFT
E01	EQUIPMENT MAINT (TRANSFORM)								
E02	BASE ALTITUDE								
E03	RUNWAY DIRECTION								
E04	DISTANCE TO MOUNTAINS								
E05	DIRECTION TO MOUNTAINS								
E06	NO OF SNOW DAYS								
E07	TOTAL SNOW FALL								10.8
E08	MEAN SNOW DEPTH								
E09	NO OF RAIN DAYS								
E10	TOTAL RAIN FALL								
E11	NO OF HAIL DAYS								
E12	RELATIVE HUMIDITY								
E13	NO OF THUNDER DAYS								
E14	NO OF SLEET DAYS	760							
E15	NO OF FOG DAYS								
E16	PREDOMINATE WIND DIRECTION	159			1000				
E17	MAX CROSSWINDS LESS THAN 10 MPH		775						
E18	MAX CROSSWINDS 10-19 MPH								
E19	MAX CROSSWINDS 20-29 MPH								
E20	MAX CROSSWINDS 30-39 MPH								
E21	MAX CROSSWINDS 40-49 MPH	453	770		1000				
E22	MAX CROSSWINDS GREATER THAN 50 MPH								
E23	MEAN TEMP								
E24	MEAN MIN TEMP								
E25	MEAN MAX TEMP								
E26	DAYS MAX TEMP WAS ABOVE 80°F								
E27	DAYS MIN TEMP WAS BELOW 32°F								
E28	TOTAL OBSTRUCTIONS TO VISION								
E29	PREDOMINATE TYPE OF OBSTRUCTIONS								
E30	AVG OBSTRUCTION TYPE								
E31	AVG OBSTRUCTION SEVERITY								

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY (AIRCRAFT GENERAL VS MRD'S)		MRD'S							
AIRCRAFT GENERAL PARAMETERS		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND AIDRTS PER ACFT	A26 EQUIP AIR AIDRTS PER ACFT	A27 EQUIP CARDS PER ACFT
301	EQUIPMENT MAG. TRANSFORM								
302	YEARS SINCE AIRCRAFT WAS PRODUCED								
303	AIRCRAFT EMPTY WEIGHT								
304	MAX GROSS WT TAKE-OFF								
305	AIRCRAFT WING AREA								
306	AIRCRAFT ASPECT RATIO								
307	TOTAL FUEL CAPACITY								
308	AVG AIRCRAFT WING LOAD								
309	YEARS SINCE ENGINE PRODUCTION								
310	ENGINES PER AIRCRAFT								
311	AIRCRAFT TOTAL ENGINE WT								
312	TOTAL THRUST PER ACFT								
313	CLIMB RATE								
314	GENERATORS PER ACFT								
315	MAINT MHRS PER FLT HR								
316	YEARS SINCE FIRST FLIGHT								

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-42 WUC 71C - INSTRUMENT LANDING SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S						
		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT
001	EQUIPMENT MAD (TRANSFORM)							
002	YEARS ACFT HAVE BEEN ON BASE							
003	AVG MISSION MIX							
004	AIRCRAFT GROUNDED TIME							
005	AVG TAKE-OFF SPEED							
006	MEDIAN TAKE-OFF DISTANCE							
007	PERCENT OF MAX TAKE-OFF WT							
008	AVG CLIMB RATE							
009	AVG CRUISE SPEED							
010	AVG CRUISE ALTITUDE							
011	AVG DESCENT RATE							
012	AVG LANDING SPEED							
013	MINIMUM LANDING DISTANCE							
014	AVG LANDING WT							
015	TOTAL FLYING HOURS PER ACFT	016	017	018				
016	TRAINING FLYING HOURS PER ACFT							
017	OPERATIONS FLYING HOURS PER ACFT							
018	MISC FLYING HOURS PER ACFT							
019	TOTAL LANDINGS PER ACFT							
020	TRAINING LANDINGS PER ACFT							
021	OPERATIONS LANDINGS PER ACFT							
022	MISC LANDINGS PER ACFT							
023	AVG NO OF ACFT ON ALERT							
024	AVG NO OF DEPLOYED ACFT							
025	TOTAL SORTIES PER ACFT	026						
026	TRAINING SORTIES PER ACFT							
027	OPERATIONS SORTIES PER ACFT	028						
028	MISC SORTIES PER ACFT							
029	AVG POSSESSED ACFT							
030	MAXIMUM ACFT SPEED							
031	MAXIMUM ACFT CEILING							
032	ACFT CREW SIZE	033	034	035				
033	AVG SORTIE LENGTH							
034	ACCIDENTS MAJOR/MINOR PER ACFT							
035	INCIDENTS PER ACFT							

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

0194-10089-2

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

D194-10089-2

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

D194-10089-2

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

0194-10089-2

TABLE B-47 WUC 71D - TACAN SET MIER
SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S							
		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANN'S PER ACFT
001	EQUIPMENT MAD (TRANSFORM)								
002	YEARS ACFT HAVE BEEN ON BASE								
003	AVG MISSION MIX								
004	AIRCRAFT GROUNDED TIME								
005	AVG TAKE-OFF SPEED								
006	MEDIAN TAKE-OFF DISTANCE								
007	PERCENT OF MAX TAKE-OFF WT								
008	AVG CLIMB RATE		1.54	20	124				
009	AVG CRUISE SPEED								
010	AVG CRUISE ALTITUDE								
011	AVG DESCENT RATE								
012	AVG LANDING SPEED								
013	MINIMUM LANDING DISTANCE								
014	AVG LANDING WT								
015	TOTAL FLYING HOURS PER ACFT		2.1	1.6	1.7	2.1			
016	TRAINING FLYING HOURS PER ACFT								
017	OPERATIONS FLYING HOURS PER ACFT								
018	MISC FLYING HOURS PER ACFT								
019	TOTAL LANDINGS PER ACFT								
020	TRAINING LANDINGS PER ACFT								
021	OPERATIONS LANDINGS PER ACFT								
022	MISC LANDINGS PER ACFT								
023	AVG NO OF ACFT ON ALERT								
024	AVG NO OF DEPLOYED ACFT								
025	TOTAL SORTIES PER ACFT		1.0						
026	TRAINING SORTIES PER ACFT								
027	OPERATIONS SORTIES PER ACFT		1.1	1.1	1.9	1.2			
028	MISC SORTIES PER ACFT								
029	AVG POSSESSED ACFT								
030	MAXIMUM ACFT SPEED								
031	MAXIMUM ACFT CEILING								
032	ACFT CREW SIZE		1.13	1.53	1.6	1.2			
033	AVG SORTIE LENGTH								
034	ACCIDENTS (MAJOR/MINOR) PER ACFT								
035	INCIDENTS PER ACFT								1.1

TABLE B-48 WUC 71D - TACAN SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

ENVIRONMENTAL PARAMETERS		MRD'S	A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MMR PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNIS PLR ACFT
E01	EQUIPMENT MAD (TRANSFORM)									
E02	BASE ALTITUDE									
E03	RUNWAY DIRECTION									
E04	DISTANCE TO MOUNTAINS									
E05	DIRECTION TO MOUNTAINS									
E06	NO OF SNOW DAYS									
E07	TOTAL SNOW FALL									
E08	MEAN SNOW DEPTH									
E09	NO OF RAIN DAYS									
E10	TOTAL RAIN FALL									
E11	NO OF HAIL DAYS									
E12	RELATIVE HUMIDITY									
E13	NO OF THUNDER DAYS		131	23	25	27				
E14	NO OF SLEET DAYS									
E15	NO OF FOG DAYS									
E16	PREDOMINATE WIND DIRECTION									
E17	MAX CROSSWINDS LESS THAN 10 MPH									
E18	MAX CROSSWINDS 10-19 MPH		130	62	72	124				
E19	MAX CROSSWINDS 20-29 MPH		12	64	46	103				
E20	MAX CROSSWINDS 30-39 MPH		13	61	9	103				
E21	MAX CROSSWINDS 40-49 MPH									
E22	MAX CROSSWINDS GREATER THAN 50 MPH									
E23	MEAN TEMP									
E24	MEAN MIN TEMP									
E25	MEAN MAX TEMP									
E26	DAYS MAX TEMP WAS ABOVE 80°F									
E27	DAYS MIN TEMP WAS BELOW 32°F									
E28	TOTAL OBSTRUCTIONS TO VISION									
E29	PREDOMINATE TYPE OF OBSTRUCTIONS									
E30	AVG OBSTRUCTION TYPE									1.12
E31	AVG OBSTRUCTION SEVERITY									1.05

TABLE B-49 WUC 71D - TACAN SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

MAINTENANCE PARAMETERS		MRD'S							
		A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANRS PER ACFT
M01	EQUIPMENT MAD (TRANSFORM)								
M02	AVG OR RATE								
M03	AVG NORM RATE								
M04	AVG NORS RATE								
M05	TOTAL MAINT PERSONNEL AUTHORIZED								
M06	TOTAL MAINT PERSONNEL ASSIGNED								
M07	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED	145	75	100					
M08	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED	145	112	97					
M09	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED	145	79	67					
M10	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED	145	112	100					
M11	TOTAL MAINT PERSONNEL AUTHORIZED (AMS)	145	175	224					
M12	TOTAL MAINT PERSONNEL ASSIGNED (AMS)	145	175	224					
M13	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	145	175	224					
M14	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED (AMS)	145	175	224					
M15	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED (AMS)								
M16	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED (AMS)								
M17	TOTAL MAINT MANHOURS EXPENDED PER ACFT	145	119	216					
M18	AMS MAINT MANHOURS EXPENDED PER ACFT								
M19	MAINT CONCEPT								
M20	AVG TURN AROUND TIME MAINT								
M21	ACFT EQD (ALL CAUSES)								
M22	TOT GEN SUPPORT (01-09) MHRS PER ACFT	145	75	100					
M23	GEN SUPPORT 01 MHRS PER ACFT	14	25	101					
M24	GEN SUPPORT 02 MHRS PER ACFT	145	112	97					
M25	GEN SUPPORT 03 MHRS PER ACFT	145	79	67					
M26	GEN SUPPORT 04 MHRS PER ACFT								
M27	GEN SUPPORT 05 MHRS PER ACFT								
M28	GEN SUPPORT 06 MHRS PER ACFT	145		100					
M29	GEN SUPPORT 07 MHRS PER ACFT								
M30	GEN SUPPORT 09 MHRS PER ACFT			100					

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)[illegible]

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

[illegible]

TABLE B-52 WUC 71F - ATTITUDE HEADING REFERENCE SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S	A01 MAINT ACTION DEMAND PER ACFT	A21 EQUIP TOT MHRS PER ACFT	A22 EQUIP TOT REMOVALS PER ACFT	A23 EQUIP UNSCHED REMOVALS PER ACFT	A24 EQUIP SCHED REMOVALS PER ACFT	A25 EQUIP GROUND ABORTS PER ACFT	A26 EQUIP AIR ABORTS PER ACFT	A27 EQUIP CANNIS PER ACFT
001	EQUIPMENT MAD (TRANSFORM)									
002	YEARS ACFT HAVE BEEN ON BASE									
003	AVG MISSION MIX									
004	AIRCRAFT GROUNDED TIME									
005	AVG TAKE-OFF SPEED			150	155	150				
006	MEDIAN TAKE-OFF DISTANCE									
007	PERCENT OF MAX TAKE-OFF WT									
008	AVG. CLIMB RATE									
009	AVG CRUISE SPEED		1240							
010	AVG CRUISE ALTITUDE									
011	AVG DESCENT RATE									
012	AVG LANDING SPEED		1240							
013	MINIMUM LANDING DISTANCE		1240							
014	AVG LANDING WT									
015	TOTAL FLYING HOURS PER ACFT									
016	TRAINING FLYING HOURS PER ACFT									
017	OPERATIONS FLYING HOURS PER ACFT									
018	MISC FLYING HOURS PER ACFT									
019	TOTAL LANDINGS PER ACFT									
020	TRAINING LANDINGS PER ACFT									
021	OPERATIONS LANDINGS PER ACFT									
022	MISC LANDINGS PER ACFT									
023	AVG NO OF ACFT ON ALERT									
024	AVG NO OF DEPLOYED ACFT									
025	TOTAL SORTIES PER ACFT									
026	TRAINING SORTIES PER ACFT									
027	OPERATIONS SORTIES PER ACFT				150	155				
028	MISC SORTIES PER ACFT									
029	AVG POSSESSED ACFT									
030	MAXIMUM ACFT SPEED									
031	MAXIMUM ACFT CEILING									
032	ACFT CREW SIZE									200
033	AVG SORTIE LENGTH									
034	ACCIDENTS (MAJOR/MINOR) PER ACFT									
035	INCIDENTS PER ACFT									

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

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TABLE B-57 WDC 74F - RADAR SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

OPERATIONS PARAMETERS		MRD'S					
		ALL MAINT ACTS PER ACFT	ALL EQUIP TOT PER ACFT	ALL EQUIP TOT REMOVALS PER ACFT	ALL EQUIP UNRECD REMOVALS PER ACFT	ALL EQUIP SCHED REMOVALS PER ACFT	ALL EQUIP GROUND ABANDS PER ACFT
		ALL EQUIP AIR ABANDS PER ACFT	ALL EQUIP AIR ABANDS PER ACFT	ALL EQUIP LANDS PER ACFT			
001	ACFTMENT MAINT TRANSFER						
002	YEARS ACFT HAVE BEEN IN BASE						
003	AVG MISSION MAX						
004	AIRCRAFT GROUND TIME						
005	AVG TAKE-OFF SPEED						
006	MEDIAN TAKE-OFF DISTANCE						
007	PERCENT OF MAX TAKE-OFF WT						
008	AVG CLIMB RATE						
009	AVG CRUISE SPEED						
010	AVG CRUISE ALTITUDE						
011	AVG DESCENT RATE						
012	AVG LANDING SPEED						
013	MINIMUM LANDING DISTANCE						
014	AVG LANDING WT						
015	TOTAL FLYING HOURS PER ACFT						
016	TRAINING FLYING HOURS PER ACFT						
017	OPERATIONS FLYING HOURS PER ACFT						
018	MISC FLYING HOURS PER ACFT						
019	TOTAL LANDINGS PER ACFT						
020	TRAINING LANDINGS PER ACFT						
021	OPERATIONS LANDINGS PER ACFT						
022	MISC LANDINGS PER ACFT						
023	AVG NO OF ACFT ON ALERT						
024	AVG NO OF DEPLOYED ACFT						
025	TOTAL SORTIES PER ACFT						
026	TRAINING SORTIES PER ACFT						
027	OPERATIONS SORTIES PER ACFT						
028	MISC SORTIES PER ACFT						
029	AVG POSSESSED ACFT						
030	MAXIMUM ACFT SPEED						
031	MAXIMUM ACFT CEILING						
032	ACFT CREW SIZE						
033	AVG SORTIE LENGTH						
034	ACCIDENTS MAJOR MINOR PER ACFT						
035	INCIDENTS PER ACFT						

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENTAL VS MRD'S)

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TABLE B-59 WUC 74F - RADAR SET MIER

SCATTERPLOT IDENTIFICATION ARRAY
MAINTENANCE VS MKD'S)

MAINTENANCE PARAMETERS		MKD'S							
		A01 MAINT ACTION REMOVED PER ALCT	A01 EQUIP TOT PER ALCT	A22 EQUIP TOT REMOVEDS PER ALCT	A03 EQUIP UNSCHED REMOVEDS PER ALCT	A04 EQUIP SCHED REMOVEDS PER ALCT	A05 EQUIP GROUND ABORTS PER ALCT	A06 EQUIP AIR ABORTS PER ALCT	A07 EQUIP CARRS PER ALCT
M01	MAINT AND TRANSFORM								
M02	A01 RATE								
M03	A02 RATE								
M04	A03 RATE								
M05	A04 RATE								
M06	A05 RATE								
M07	A06 RATE								
M08	A07 RATE								
M09	TOTAL MAINT PERSONNEL ASSIGNED								
M10	TOTAL MAINT PERSONNEL ASSIGNED								
M11	TOTAL MAINT PERSONNEL ASSIGNED								
M12	TOTAL MAINT PERSONNEL ASSIGNED								
M13	TOTAL MAINT PERSONNEL ASSIGNED								
M14	TOTAL MAINT PERSONNEL ASSIGNED								
M15	TOTAL MAINT PERSONNEL ASSIGNED								
M16	TOTAL MAINT PERSONNEL ASSIGNED								
M17	TOTAL MAINT PERSONNEL ASSIGNED								
M18	TOTAL MAINT PERSONNEL ASSIGNED								
M19	TOTAL MAINT PERSONNEL ASSIGNED								
M20	TOTAL MAINT PERSONNEL ASSIGNED								
M21	TOTAL MAINT PERSONNEL ASSIGNED								
M22	TOTAL MAINT PERSONNEL ASSIGNED								
M23	TOTAL MAINT PERSONNEL ASSIGNED								
M24	TOTAL MAINT PERSONNEL ASSIGNED								
M25	TOTAL MAINT PERSONNEL ASSIGNED								
M26	TOTAL MAINT PERSONNEL ASSIGNED								
M27	TOTAL MAINT PERSONNEL ASSIGNED								
M28	TOTAL MAINT PERSONNEL ASSIGNED								
M29	TOTAL MAINT PERSONNEL ASSIGNED								
M30	TOTAL MAINT PERSONNEL ASSIGNED								
M31	TOTAL MAINT PERSONNEL ASSIGNED								
M32	TOTAL MAINT PERSONNEL ASSIGNED								
M33	TOTAL MAINT PERSONNEL ASSIGNED								
M34	TOTAL MAINT PERSONNEL ASSIGNED								
M35	TOTAL MAINT PERSONNEL ASSIGNED								
M36	TOTAL MAINT PERSONNEL ASSIGNED								
M37	TOTAL MAINT PERSONNEL ASSIGNED								
M38	TOTAL MAINT PERSONNEL ASSIGNED								
M39	TOTAL MAINT PERSONNEL ASSIGNED								
M40	TOTAL MAINT PERSONNEL ASSIGNED								
M41	TOTAL MAINT PERSONNEL ASSIGNED								
M42	TOTAL MAINT PERSONNEL ASSIGNED								
M43	TOTAL MAINT PERSONNEL ASSIGNED								
M44	TOTAL MAINT PERSONNEL ASSIGNED								
M45	TOTAL MAINT PERSONNEL ASSIGNED								
M46	TOTAL MAINT PERSONNEL ASSIGNED								
M47	TOTAL MAINT PERSONNEL ASSIGNED								
M48	TOTAL MAINT PERSONNEL ASSIGNED								
M49	TOTAL MAINT PERSONNEL ASSIGNED								
M50	TOTAL MAINT PERSONNEL ASSIGNED								
M51	TOTAL MAINT PERSONNEL ASSIGNED								
M52	TOTAL MAINT PERSONNEL ASSIGNED								
M53	TOTAL MAINT PERSONNEL ASSIGNED								
M54	TOTAL MAINT PERSONNEL ASSIGNED								
M55	TOTAL MAINT PERSONNEL ASSIGNED								
M56	TOTAL MAINT PERSONNEL ASSIGNED								
M57	TOTAL MAINT PERSONNEL ASSIGNED								
M58	TOTAL MAINT PERSONNEL ASSIGNED								
M59	TOTAL MAINT PERSONNEL ASSIGNED								
M60	TOTAL MAINT PERSONNEL ASSIGNED								
M61	TOTAL MAINT PERSONNEL ASSIGNED								
M62	TOTAL MAINT PERSONNEL ASSIGNED								
M63	TOTAL MAINT PERSONNEL ASSIGNED								
M64	TOTAL MAINT PERSONNEL ASSIGNED								
M65	TOTAL MAINT PERSONNEL ASSIGNED								
M66	TOTAL MAINT PERSONNEL ASSIGNED								
M67	TOTAL MAINT PERSONNEL ASSIGNED								
M68	TOTAL MAINT PERSONNEL ASSIGNED								
M69	TOTAL MAINT PERSONNEL ASSIGNED								
M70	TOTAL MAINT PERSONNEL ASSIGNED								
M71	TOTAL MAINT PERSONNEL ASSIGNED								
M72	TOTAL MAINT PERSONNEL ASSIGNED								
M73	TOTAL MAINT PERSONNEL ASSIGNED								
M74	TOTAL MAINT PERSONNEL ASSIGNED								
M75	TOTAL MAINT PERSONNEL ASSIGNED								
M76	TOTAL MAINT PERSONNEL ASSIGNED								
M77	TOTAL MAINT PERSONNEL ASSIGNED								
M78	TOTAL MAINT PERSONNEL ASSIGNED								
M79	TOTAL MAINT PERSONNEL ASSIGNED								
M80	TOTAL MAINT PERSONNEL ASSIGNED								
M81	TOTAL MAINT PERSONNEL ASSIGNED								
M82	TOTAL MAINT PERSONNEL ASSIGNED								
M83	TOTAL MAINT PERSONNEL ASSIGNED								
M84	TOTAL MAINT PERSONNEL ASSIGNED								
M85	TOTAL MAINT PERSONNEL ASSIGNED								
M86	TOTAL MAINT PERSONNEL ASSIGNED								
M87	TOTAL MAINT PERSONNEL ASSIGNED								
M88	TOTAL MAINT PERSONNEL ASSIGNED								
M89	TOTAL MAINT PERSONNEL ASSIGNED								
M90	TOTAL MAINT PERSONNEL ASSIGNED								
M91	TOTAL MAINT PERSONNEL ASSIGNED								
M92	TOTAL MAINT PERSONNEL ASSIGNED								
M93	TOTAL MAINT PERSONNEL ASSIGNED								
M94	TOTAL MAINT PERSONNEL ASSIGNED								
M95	TOTAL MAINT PERSONNEL ASSIGNED								
M96	TOTAL MAINT PERSONNEL ASSIGNED								
M97	TOTAL MAINT PERSONNEL ASSIGNED								
M98	TOTAL MAINT PERSONNEL ASSIGNED								
M99	TOTAL MAINT PERSONNEL ASSIGNED								
M00	TOTAL MAINT PERSONNEL ASSIGNED								

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-61 WUC 11A01 - RADOME

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S					
		R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACT	R03 EQUIP TOT REMOVALS PER ACT	R04 EQUIP GROUND ABORTS PER ACT	R05 EQUIP AIR ABORTS PER ACT	R06 EQUIP CANNS PER ACT
R01	MAINT ACTION DEMAND PER ACFT						
R02	EQUIPMENT TOTAL MMHRS PER ACFT						
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	1	30				
R04	EQUIPMENT GROUND ABORTS PER ACFT						
R05	EQUIPMENT AIR ABORTS PER ACFT						
R06	EQUIPMENT CANNS PER ACFT						
F01	LOCATION OF EQUIPMENT ON ACFT						
F02	PRIM MATERIAL - COMP TECH LEVEL						
F03	EQUIPMENT WEIGHT		32				
F04	EQUIPMENT VOLUME						
F05	OPERATING TEMPERATURE						
F06	SUPPORT EQUIPMENT COMPLEXITY						
F07	SUPPORT EQUIPMENT RELIABILITY						
F08	TYPE OF FAILURE PROBLEMS	2		64			
F09	INFLIGHT SQUAWK VERIFICATION RATE						
F10	ON/OFF CYCLES PER SORTIE						
F11	GROUND TO FLIGHT OPERATING RATIO						
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE						
F13	REMOVALS TO ACCESS OTHER EQUIPMENT						
F14	SEVERITY OF FOD						
F15	PRINCIPLE FAILURE CAUSE						
F16	EQUIPMENT PROTECTION METHODOLOGY						
F17	EQUIPMENT PRESSURIZATION LEVEL						
F18	RAIN REMOVAL TECH (WINDSHIELD)						
F19	MOUNTING POSITION						
F20	POWER RATING (GENERATORS)						
F21	NO OF TIRE PLY'S (TIRES)						
F22	LANDINGS PER TIRE (TIRES)						
F23	AVG TIRE COST (TIRES)						
F24	SECURING METHOD TECH		31	65			

(OPERATIONS IS MRD'S)

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ENVIRONMENTAL PARAMETERS

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(MAINTENANCE VS MRD'S)

[illegible]

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-66 WUC 11A02 - WINDSHIELDS

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHRS PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT
R01	MAINT ACTION DEMAND PER ACFT							
R02	EQUIPMENT TOTAL MMHRS PER ACFT	92						
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	93	118					
R04	EQUIPMENT GROUND ABORTS PER ACFT							
R05	EQUIPMENT AIR ABORTS PER ACFT							
R06	EQUIPMENT CANNIS PER ACFT							
F01	LOCATION OF EQUIPMENT ON ACFT							
F02	PRIM MATERIAL - COMP TECH LEVEL							
F03	EQUIPMENT WEIGHT	95	119	151				
F04	EQUIPMENT VOLUME	96	120	150				
F05	OPERATING TEMPERATURE							
F06	SUPPORT EQUIPMENT COMPLEXITY							
F07	SUPPORT EQUIPMENT RELIABILITY	94	121	152				
F08	TYPE OF FAILURE PROBLEMS							
F09	INFLIGHT SQUAWK VERIFICATION RATE							
F10	ON/OFF CYCLES PER SORTIE							
F11	GROUND TO FLIGHT OPERATING RATIO							
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE							
F13	REMOVALS TO ACCESS OTHER EQUIPMENT							
F14	SEVERITY OF FOD							
F15	PRINCIPLE FAILURE CAUSE							
F16	EQUIPMENT PROTECTION METHODOLOGY	122	153					
F17	EQUIPMENT PRESSURIZATION LEVEL							
F18	RAIN REMOVAL TECH (WINDSHIELD)							
F19	MOUNTING POSITION							
F20	POWER RATING (GENERATORS)							
F21	NO OF TIRE PLY'S (TIRES)							
F22	LANDINGS PER TIRE (TIRES)							
F23	AVG TIRE COST (TIRES)							
F24	SECURING METHOD TECH							

TABLE B-67 WUC 11A02 - WINDSHIELDS

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

[illegible]

ENVIRONMENTAL PARAMETERS

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(MAINTENANCE VS MRD'S)

MAINTENANCE PARAMETERS

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

[illegible]

TABLE B-71 WUC 11K - WINGS
SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS WRO'S)

EQUIPMENT PARAMETERS		WRO'S					
		R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNS PER ACFT
R01	MAINT ACTION DEMAND PER ACFT						
R02	EQUIPMENT TOTAL MMHRS PER ACFT	38					
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	39	224				
R04	EQUIPMENT GROUND ABORTS PER ACFT						
R05	EQUIPMENT AIR ABORTS PER ACFT						
R06	EQUIPMENT CANNS PER ACFT						
F01	LOCATION OF EQUIPMENT ON ACFT						
F02	PRIM MATERIAL - COMP TECH LEVEL						
F03	EQUIPMENT WEIGHT						
F04	EQUIPMENT VOLUME	40	225	253			
F05	OPERATING TEMPERATURE						
F06	SUPPORT EQUIPMENT COMPLEXITY						
F07	SUPPORT EQUIPMENT RELIABILITY	191	226	250	273		
F08	TYPE OF FAILURE PROBLEMS						
F09	INFLIGHT SQUAWK VERIFICATION RATE						
F10	ON/OFF CYCLES PER SORTIE						
F11	GROUND TO FLIGHT OPERATING RATIO						
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE						
F13	REMOVALS TO ACCESS OTHER EQUIPMENT						
F14	SEVERITY OF F00						
F15	PRINCIPLE FAILURE CAUSE						
F16	EQUIPMENT PROTECTION METHODOLOGY						
F17	EQUIPMENT PRESSURIZATION LEVEL						
F18	RAIN REMOVAL TECH (WINDSHIELD)						
F19	MOUNTING POSITION						
F20	POWER RATING (GENERATORS)						
F21	NO OF TIRE PLY'S (TIRES)						
F22	LANDINGS PER TIRE (TIRES)						
F23	AVG TIRE COST (TIRES)						
F24	SECURING METHOD TECH						

TABLE B-7C AUC 11K - WINGS

SCATTERPLOT IDENTIFICATION ARRAY

(OPERATIONS VS WORDS)

TABLE B-70		AFC 11K - WINGS	
SCATTERPLOT IDENTIFICATION ARRAY			
(OPERATIONS VS WRO'S)			
OPERATIONS PARAMETERS		WRO'S	
		R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT HOURS PER ACFT
		R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ACCIDENTS PER ACFT
		R05 EQUIP AIR ACCIDENTS PER ACFT	R06 EQUIP CANNS PER ACFT
001	YEARS ACFT HAVE BEEN ON BASE	201	
002	AVG MISSION MIX		
003	AVG TAKE-OFF SPEED		20
004	MEDIAN TAKE-OFF DISTANCE		206
005	PERCENT OF MAX TAKE-OFF AT		
006	AVG CLIMB RATE	196	235
007	AVG CRUISE SPEED		276
008	AVG CRUISE ALTITUDE		278
009	AVG DESCENT RATE	202	
010	AVG LANDING SPEED	199	232
011	MINIMUM LANDING DISTANCE	195	231
012	AVG LANDING AT	200	236
013	TOTAL FLYING HOURS PER ACFT	193	227
014	TRAINING FLYING HOURS PER ACFT		261
015	OPERATIONS FLYING HOURS PER ACFT	194	229
016	TOTAL LANDINGS PER ACFT		262
017	TRAINING LANDINGS PER ACFT		
018	OPERATIONS LANDINGS PER ACFT	92	239
019	TOTAL SORTIES PER ACFT	233	260
020	TRAINING SORTIES PER ACFT		289
021	OPERATIONS SORTIES PER ACFT	197	230
022	AVG POSSESSED ACFT		263
023	MAXIMUM ACFT SPEED		275
024	MAXIMUM ACFT CEILING		284
025	ACFT CREW SIZE	198	234
026	AVG SORTIE LENGTH		290
027	ACCIDENTS (MAJOR/MINOR) PER ACFT		
028	INCIDENTS PER ACFT		

[illegible]

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TABLE 3-13. 400 LBS. WING
SCATTERPLOT IDENTIFICATION ARRAY
MAINTENANCE IS REQUIRED

TABLE 5-1 SCATTERPLOT IDENTIFICATION ARRAY		MAINTENANCE IS AND C							
MAINTENANCE PARAMETERS		MRD'S	RO1 MAINT ACTION DEMAND PER ACT	RO2 EQUIP TOT MAINT PER ACT	RO3 EQUIP TOT REMOVALS PER ACT	RO4 EQUIP GROUND ADJUSTS PER ACT	RO5 EQUIP AIR ADJUSTS PER ACT	RO6 EQUIP CAUSIS PER ACT	
401	405 R RATE								
402	405 RPN RATE								
403	405 RORS RATE								
404	TOTAL MAINT PERSONNEL AUTHORIZED			251				208	
405	TOTAL MAINT PERSONNEL ASSIGNED								
406	TOTAL 1 LEVEL MAINT PERSONNEL ASSIGNED		207	240	273			207	
407	TOTAL 2 LEVEL MAINT PERSONNEL ASSIGNED		208	245	272			206	
408	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED		206	254	270				
409	TOTAL 4 LEVEL MAINT PERSONNEL ASSIGNED		202	247	270			209	
410	TOTAL MAINT PERSONNEL AUTHORIZED AMS								
411	TOTAL MAINT PERSONNEL ASSIGNED AMS								
412	TOTAL 1 LEVEL MAINT PERSONNEL ASSIGNED AMS								
413	TOTAL 2 LEVEL MAINT PERSONNEL ASSIGNED AMS								
414	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED AMS								
415	TOTAL 4 LEVEL MAINT PERSONNEL ASSIGNED AMS								
416	TOTAL MAINT MANHOURS EXPENDED PER ACFT		200	246	275				
417	405 TURN AROUND TIME MAINT								
418	405T FID ALL CAUSED								
419	GEN SUPPORT 01 MAINT PER ACFT		202	247	273				
420	GEN SUPPORT 02 MAINT PER ACFT		201	245	270				
421	GEN SUPPORT 03 MAINT PER ACFT		200	244	274				
422	GEN SUPPORT 04 MAINT PER ACFT		200	243	273				
423	GEN SUPPORT 05 MAINT PER ACFT								
424	GEN SUPPORT 06 MAINT PER ACFT								
425	GEN SUPPORT 07 MAINT PER ACFT		205						
426	GEN SUPPORT 08 MAINT PER ACFT								
427	GEN SUPPORT 09 MAINT PER ACFT								

AIRCRAFT GENERAL PARAMETERS

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TABLE B-76 WUC 12B - COCKPIT FURNISHINGS - SEATS

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRO'S)

		MRO'S					
		R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACT	R05 EQUIP AIR ABORTS PER ACT	R06 EQUIP CANNIS PER ACT
EQUIPMENT PARAMETERS							
R01	MAINT ACTION DEMAND PER ACFT						
R02	EQUIPMENT TOTAL MMHRS PER ACFT	3/2					
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	3/1	341				
R04	EQUIPMENT GROUND ABORTS PER ACFT						
R05	EQUIPMENT AIR ABORTS PER ACFT	3/3		364			
R06	EQUIPMENT CANNIS PER ACFT						
F01	LOCATION OF EQUIPMENT ON ACFT						
F02	PRIM MATERIAL - COMP TECH LEVEL						
F03	EQUIPMENT WEIGHT						
F04	EQUIPMENT VOLUME						
F05	OPERATING TEMPERATURE						
F06	SUPPORT EQUIPMENT COMPLEXITY	3/6		363			
F07	SUPPORT EQUIPMENT RELIABILITY	3/5		366			
F08	TYPE OF FAILURE PROBLEMS	3/7		367			
F09	INFLIGHT SQUAWK VERIFICATION RATE						
F10	ON/OFF CYCLES PER SORTIE						
F11	GROUND TO FLIGHT OPERATING RATIO	3/4	343	365		391	
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE						
F13	REMOVALS TO ACCESS OTHER EQUIPMENT		362				
F14	SEVERITY OF F00						
F15	PRINCIPLE FAILURE CAUSE						
F16	EQUIPMENT PROTECTION METH-COOLING						
F17	EQUIPMENT PRESSURIZATION LEVEL						
F18	PAIN REMOVAL TECH (WINDSHIELD)						
F19	MOUNTING POSITION						
F20	POWER RATING (GENERATORS)						
F21	NO OF TIRE PLY'S (TIRES)						
F22	LANDINGS PER TIRE (TIRES)						
F23	AVG TIRE COST (TIRES)						
F24	SECURING METHOD TECH						

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-81 WUC 13A - MAIN LANDING GEAR

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRO'S)

EQUIPMENT PARAMETERS		MRO'S											
		R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNS PER ACFT						
R01	MAINT ACTION DEMAND PER ACFT												
R02	EQUIPMENT TOTAL MMHRS PER ACFT	392											
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	393											
R04	EQUIPMENT GROUND ABORTS PER ACFT												
R05	EQUIPMENT AIR ABORTS PER ACFT												
R06	EQUIPMENT CANNS PER ACFT												
F01	LOCATION OF EQUIPMENT ON ACFT												
F02	PRIM MATERIAL - COMP TECH LEVEL												
F03	EQUIPMENT WEIGHT	398	439										
F04	EQUIPMENT VOLUME	399	437										
F05	OPERATING TEMPERATURE												
F06	SUPPORT EQUIPMENT COMPLEXITY	400	475										
F07	SUPPORT EQUIPMENT RELIABILITY												
F08	TYPE OF FAILURE PROBLEMS	395	473										
F09	INFLIGHT SQUAWK VERIFICATION RATE												
F10	ON/OFF CYCLES PER SORTIE												
F11	GROUND TO FLIGHT OPERATING RATIO												
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE												
F13	REMOVALS TO ACCESS OTHER EQUIPMENT	394	440	477									
F14	SEVERITY OF FOD												
F15	PRINCIPLE FAILURE CAUSE												
F16	EQUIPMENT PROTECTION METHODOLOGY	396	474										
F17	EQUIPMENT PRESSURIZATION LEVEL		476										
F18	RAIN REMOVAL TECH (WINDSHIELD)												
F19	MOUNTING POSITION												
F20	POWER RATING (GENERATORS)												
F21	NO OF TIRE PLY'S (TIRES)												
F22	LANDINGS PER TIRE (TIRES)	397	439										
F23	AVG TIRE COST (TIRES)												
F24	SECURING METHOD TECH												

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY

(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE 8-86 WUC 130 - BRAKES
SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT	491								
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	492	525							
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNS PER ACFT		506							
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL		507	525						
F03	EQUIPMENT WEIGHT					549				
F04	EQUIPMENT VOLUME				500		571			
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY									
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS		570							
F09	INFLIGHT SQUAWK VERIFICATION RATE	473								
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO		509	529	557					
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT		508		598		570			
F14	SEVERITY OF F00									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

OPERATIONS PARAMETERS

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SCATTERPLOT IDENTIFICATION ARRAY

(ENVIRONMENT VS MRO'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS WRD'S)

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TABLE B-91 WUC 14C - STABILATOR
SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNS PLR ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT		577							
R03	EQUIPMENT TOTAL REMOVALS PER ACFT		579	614						
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNS PER ACFT			615	622					
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL			613						
F03	EQUIPMENT WEIGHT		590	617	624					
F04	EQUIPMENT VOLUME									
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY		591							
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS									
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO									
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF F03									
F15	PRINCIPLE FAILURE CAUSE			616						
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-96 WUC 140 - RUDDER
SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT		452							
R03	EQUIPMENT TOTAL REMOVALS PER ACFT		53	1.70						
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNS PER ACFT									
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT									
F04	EQUIPMENT VOLUME									
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY									
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS									
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO									
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF FOD									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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TABLE 8-99 WUC 140 - RUDDER
SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

SCATTERPLOT IDENTIFICATION ARRAY		MRD'S					
(MAINTENANCE VS MRD'S)		R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MHHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT
MAINTENANCE PARAMETERS							
*01	AVG OR RATE			722			
*02	AVG NORM RATE			725			
*03	AVG NORS RATE						
*04	TOTAL MAINT PERSONNEL AUTHORIZED	678	679	724			
*05	TOTAL MAINT PERSONNEL ASSIGNED			722			
*06	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED	675	678	719			
*07	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED	672	677	720			
*08	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED						
*09	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED	673					
*10	TOTAL MAINT PERSONNEL AUTHORIZED (AMS)						
*11	TOTAL MAINT PERSONNEL ASSIGNED (AMS)						
*12	TOTAL 3 LEVEL MAINT PERSONNEL ASSIGNED (AMS)						
*13	TOTAL 5 LEVEL MAINT PERSONNEL ASSIGNED (AMS)						
*14	TOTAL 7 LEVEL MAINT PERSONNEL ASSIGNED (AMS)						
*15	TOTAL 9 LEVEL MAINT PERSONNEL ASSIGNED (AMS)						
*16	TOTAL MAINT MANHOURS EXPENDED PER ACFT	670					
*17	AVG TURN AROUND TIME MAINT						
*18	ACFT FOD (ALL CAUSES)						
*19	TOT GEN SUPPORT (01-09) MHRS PER ACFT	676					
*20	GEN SUPPORT 01 MHRS PER ACFT	677					
*21	GEN SUPPORT 02 MHRS PER ACFT	670	676	721			
*22	GEN SUPPORT 03 MHRS PER ACFT	671					
*23	GEN SUPPORT 04 MHRS PER ACFT						
*24	GEN SUPPORT 05 MHRS PER ACFT						
*25	GEN SUPPORT 06 MHRS PER ACFT						
*26	GEN SUPPORT 07 MHRS PER ACFT						
*27	GEN SUPPORT 09 MHRS PER ACFT						

(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-101 WUC 14H - FLAPS
SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT	727								
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	726	727							
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNIS PER ACFT	728	726							
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT	730	727	723						
F04	EQUIPMENT VOLUME	732	740	735						
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY	733						726		
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS	731	759	774						
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE	729	728					707		
F11	GROUND TO FLIGHT OPERATING RATIO									
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF F00									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

SCATTERPLOT IDENTIFICATION ARRAY

(OPERATIONS VS WRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY

(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-106 WUC 41A - WATER SEPARATOR

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT	2.5								
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	2.2	327							
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNIS PER ACFT	2.20	328							
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT									
F04	EQUIPMENT VOLUME									
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY									
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS	3.21	329							
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO									
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF F00									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY							350		
F17	EQUIPMENT PRESSURIZATION LEVEL		370	350						
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS WRO'S)

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TABLE B-111 WUC 42A - GENERATOR ASSY.

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT			
R01	MAINT ACTION DEMAND PER ACFT										
R02	EQUIPMENT TOTAL MMHRS PER ACFT		371								
R03	EQUIPMENT TOTAL REMOVALS PER ACFT			207							
R04	EQUIPMENT GROUND ABORTS PER ACFT		372	200							
R05	EQUIPMENT AIR ABORTS PER ACFT										
R06	EQUIPMENT CANNIS PER ACFT										
F01	LOCATION OF EQUIPMENT ON ACFT										
F02	PRIM MATERIAL - COMP TECH LEVEL										
F03	EQUIPMENT WEIGHT										
F04	EQUIPMENT VOLUME										
F05	OPERATING TEMPERATURE			208	227	254		268			
F06	SUPPORT EQUIPMENT COMPLEXITY				226						
F07	SUPPORT EQUIPMENT RELIABILITY		374	214							
F08	TYPE OF FAILURE PROBLEMS										
F09	INFLIGHT SQUAWK VERIFICATION RATE		374	209	228						
F10	ON/OFF CYCLES PER SORTIE		375								
F11	GROUND TO FLIGHT OPERATING RATIO										
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE										
F13	REMOVALS TO ACCESS OTHER EQUIPMENT		372								
F14	SEVERITY OF FOD										
F15	PRINCIPLE FAILURE CAUSE										
F16	EQUIPMENT PROTECTION METHODOLOGY							267			
F17	EQUIPMENT PRESSURIZATION LEVEL										
F18	RAIN REMOVAL TECH (WINDSHIELD)										
F19	MOUNTING POSITION										
F20	POWER RATING (GENERATORS)										
F21	NO OF TIRE PLY'S (TIRES)										
F22	LANDINGS PER TIRE (TIRES)										
F23	AVG TIRE COST (TIRES)										
F24	SECURING METHOD TECH										

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRO'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-116 WUC 44A01 - ANTI COLLISION LIGHTS

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MHRS PER ACFT	R03 EQUIP F01 REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MHRS PER ACFT		781							
R03	EQUIPMENT TOTAL REMOVALS PER ACFT		780	1010						
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNIS PER ACFT			1011	1037					
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT		982	1012	1038					
F04	EQUIPMENT VOLUME		984	1014	1040					
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY		985	1015	1041					
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS		986	1016	1042					
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO		983	1013	1039					
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF F00									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

TABLE B-117 WUC 44A01 - ANTI COLLISION LIGHTS

[illegible]

TABLE B-118 WUC 44A01 - ANTI COLLISION LIGHTS

SCATTERPLOT IDENTIFICATION ARRAY

(ENVIRONMENT VS. MIND'S)

SCATTERPLOT IDENTIFICATION ARRAY		MRD'S					
(ENVIRONMENT VS MRD'S)		RO1 MAINT ACTION DEMAND PER ACFT	RO2 EQUIP TOT PER ACFT	RO3 EQUIP TOT REMOVALS PER ACFT	RO4 EQUIP GROUND ABORTS PER ACFT	RO5 EQUIP AIR ABORTS PER ACFT	RO6 EQUIP CANN'S PER ACFT
ENVIRONMENTAL PARAMETERS							
E01	BASE ALTITUDE	997	0257	1051			
E02	RUNWAY DIRECTION	995	1027	1052			
E03	DISTANCE TO MOUNTAINS						
E04	NO OF SNOW DAYS						
E05	TOTAL SNOW FALL						0657
E06	MEAN SNOW DEPTH						
E07	NO OF RAIN DAYS						
E08	TOTAL RAIN FALL						
E09	NO OF HAIL DAYS						
E10	RELATIVE HUMIDITY						
E11	NO OF THUNDER DAYS						
E12	NO OF SLEET DAYS						
E13	NO OF FOG DAYS						
E14	PREDOMINATE WIND DIRECTION	998	0261				0641
E15	MAX CROSSWINDS LESS THAN 10 MPH						
E16	MAX CROSSWINDS 10-19 MPH	993	0223	0408			
E17	MAX CROSSWINDS 20-29 MPH	996	0231	0409			0647
E18	MAX CROSSWINDS 30-39 MPH	994	0241	0500			
E19	MAX CROSSWINDS 40-49 MPH						0642
E20	MEAN TEMP						
E21	MEAN MIN TEMP						0643
E22	MEAN MAX TEMP						
E23	DAYS MAX TEMP WAS ABOVE 30° F						
E24	DAYS MIN TEMP WAS BELOW 32° F						0644
E25	TOTAL OBSTRUCTIONS TO VISION						
E26	AVG OBSTRUCTION TYPE	999					
E27	AVG OBSTRUCTION SEVERITY						

AD-A097 692 BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER-ETC F/B 1/3
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS-ETC (U)
OCT 80 D K HINDS; G A WALKER; D H WILSON F33615-77-C-0075
UNCLASSIFIED D194-10089-2 ML

BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER--ETC F/B 1/3
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS--ETC (U)
OCT 80 D K HINDS; G A WALKER; D H WILSON F33615-77-C-0075
D194-10089-2 ML

AD-A097 692 BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER-ETC F/B 1/3
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS-ETC (U)
OCT 80 D K HINDS; G A WALKER; D H WILSON F33615-77-C-0075
UNCLASSIFIED D194-10089-2 ML

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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TABLE B-120 WUC 44A01 - ANTI COLLISION LIGHTS

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

[illegible]

TABLE B-121 WUC 44A02 - LANDING/TAXI LIGHTS

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT	1071								
R03	EQUIPMENT TOTAL REMOVALS PER ACFT	1072	1095							
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNS PER ACFT									
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT	1075	1100							
F04	EQUIPMENT VOLUME	1074	1079							
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY									
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS			1124						
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO									
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT	1073								
F14	SEVERITY OF FOD									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

TABLE B-122 WUC 44A02 - LANDING/TAXI LIGHTS

[illegible]

TABLE B-123 WUC 44A02 - LANDING/TAXI LIGHTS

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

[illegible]

[illegible]

TABLE B-125 WUC 44A02 - LANDING/TAXI LIGHTS

[illegible]

TABLE 9-126 WUC 45A - HYDRAULIC PUMPS

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT		1145							
R03	EQUIPMENT TOTAL REMOVALS PER ACFT		1144	1177						
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNIS PER ACFT									
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT									
F04	EQUIPMENT VOLUME		1147		1215					
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY									
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS									
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO		1146	1178	1214					
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF F00									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE 8-131 WUC 46A - FUEL TANKS

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

		MRD'S							
EQUIPMENT PARAMETERS		R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT								
R02	EQUIPMENT TOTAL MMHRS PER ACFT	1250							
R03	EQUIPMENT TOTAL REMOVALS PER ACFT								
R04	EQUIPMENT GROUND ABORTS PER ACFT								
R05	EQUIPMENT AIR ABORTS PER ACFT								
R06	EQUIPMENT CANNIS PER ACFT								
F01	LOCATION OF EQUIPMENT ON ACFT								
F02	PRIM MATERIAL - COMP TECH LEVEL								
F03	EQUIPMENT WEIGHT								
F04	EQUIPMENT VOLUME			1297					
F05	OPERATING TEMPERATURE								
F06	SUPPORT EQUIPMENT COMPLEXITY								
F07	SUPPORT EQUIPMENT RELIABILITY								
F08	TYPE OF FAILURE PROBLEMS								
F09	INFLIGHT SQUAWK VERIFICATION RATE								
F10	ON/OFF CYCLES PER SORTIE								
F11	GROUND TO FLIGHT OPERATING RATIO								
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE								
F13	REMOVALS TO ACCESS OTHER EQUIPMENT								
F14	SEVERITY OF F00								
F15	PRINCIPLE FAILURE CAUSE								
F16	EQUIPMENT PROTECTION METHODOLOGY	1251							
F17	EQUIPMENT PRESSURIZATION LEVEL								
F18	RAIN REMOVAL TECH (WINDSHIELD)								
F19	MOUNTING POSITION								
F20	POWER RATING (GENERATORS)								
F21	NO OF TIRE PLY'S (TIRES)								
F22	LANDINGS PER TIRE (TIRES)								
F23	AVG TIRE COST (TIRES)								
F24	SECURING METHOD TECH								

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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TABLE B-136 WUC 47A01 - OXYGEN REGULATOR

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT									
R03	EQUIPMENT TOTAL REMOVALS PER ACFT		1329							
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNIS PER ACFT		1330							
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT		1331							
F04	EQUIPMENT VOLUME			3697						
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY									
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS									
F09	INFLIGHT SQUAWK VERIFICATION RATE		1347	3694						
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO		1461	3621						
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF F03									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLAYS (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

TABLE B-137 WUC 47A01 - OXYGEN REGULATOR

[illegible]

TABLE B-138 WUC 47A01 - OXYGEN REGULATOR

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

[illegible]

TABLE B-139 WUC 47A01 - OXYGEN REGULATOR

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

[illegible]

TABLE B-140 WUC 47A01 - OXYGEN REGULATOR

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

MRD'S

AIRCRAFT GENERAL PARAMETERS

[illegible]

TABLE B-141 WUC 47A02 - LOX CONVERTER

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PER ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT		1392							
R03	EQUIPMENT TOTAL REMOVALS PER ACFT		1391	1428						
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNIS PER ACFT									
F01	LOCATION OF EQUIPMENT ON ACFT							1488		
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT							1489		
F04	EQUIPMENT VOLUME		1394	1439	1471					
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY									
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS		1393	1430	1470					
F09	INFLIGHT SQUAWK VERIFICATION RATE			1431						
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO									
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF F00									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL		1395					1470		
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

TABLE B-142 WUC 47A02 - LOX CONVERTER

[illegible]

TABLE B-143 WUC 47A02 - LOX CONVERTER

SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

[illegible]

TABLE B-144 WUC 47A02 - LOX CONVERTER

SCATTERPLOT IDENTIFICATION ARRAY
(MAINTENANCE VS MRD'S)

[illegible]

TABLE B-145 WUC 47A02 - LOX CONVERTER

SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

S. O. J.

AIRCRAFT GENERAL PARAMETERS

[illegible]

TABLE B-146 WUC 49A - ENGINE FIRE DETECTION

SCATTERPLOT IDENTIFICATION ARRAY
(EQUIPMENT VS MRD'S)

EQUIPMENT PARAMETERS		MRD'S	R01 MAINT ACTION DEMAND PER ACFT	R02 EQUIP TOT MMHR PER ACFT	R03 EQUIP TOT REMOVALS PER ACFT	R04 EQUIP GROUND ABORTS PER ACFT	R05 EQUIP AIR ABORTS PER ACFT	R06 EQUIP CANNIS PLR ACFT		
R01	MAINT ACTION DEMAND PER ACFT									
R02	EQUIPMENT TOTAL MMHRS PER ACFT		1571							
R03	EQUIPMENT TOTAL REMOVALS PER ACFT		1500	1510						
R04	EQUIPMENT GROUND ABORTS PER ACFT									
R05	EQUIPMENT AIR ABORTS PER ACFT									
R06	EQUIPMENT CANNIS PER ACFT									
F01	LOCATION OF EQUIPMENT ON ACFT									
F02	PRIM MATERIAL - COMP TECH LEVEL									
F03	EQUIPMENT WEIGHT		1500							
F04	EQUIPMENT VOLUME		1502	1519						
F05	OPERATING TEMPERATURE									
F06	SUPPORT EQUIPMENT COMPLEXITY			1520						
F07	SUPPORT EQUIPMENT RELIABILITY									
F08	TYPE OF FAILURE PROBLEMS		1503							
F09	INFLIGHT SQUAWK VERIFICATION RATE									
F10	ON/OFF CYCLES PER SORTIE									
F11	GROUND TO FLIGHT OPERATING RATIO									
F12	RELATIVE RELIABILITY OF EQUIP DRIVE FORCE									
F13	REMOVALS TO ACCESS OTHER EQUIPMENT									
F14	SEVERITY OF FOD									
F15	PRINCIPLE FAILURE CAUSE									
F16	EQUIPMENT PROTECTION METHODOLOGY									
F17	EQUIPMENT PRESSURIZATION LEVEL									
F18	RAIN REMOVAL TECH (WINDSHIELD)									
F19	MOUNTING POSITION									
F20	POWER RATING (GENERATORS)									
F21	NO OF TIRE PLY'S (TIRES)									
F22	LANDINGS PER TIRE (TIRES)									
F23	AVG TIRE COST (TIRES)									
F24	SECURING METHOD TECH									

SCATTERPLOT IDENTIFICATION ARRAY
(OPERATIONS VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY
(ENVIRONMENT VS MRD'S)

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SCATTERPLOT IDENTIFICATION ARRAY

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SCATTERPLOT IDENTIFICATION ARRAY
(AIRCRAFT GENERAL VS MRD'S)

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