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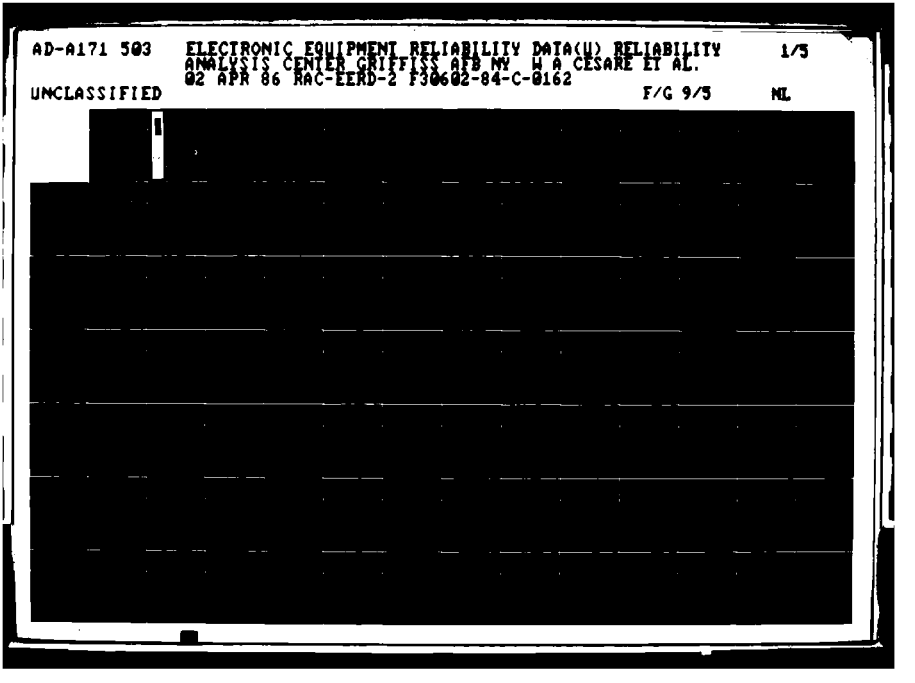

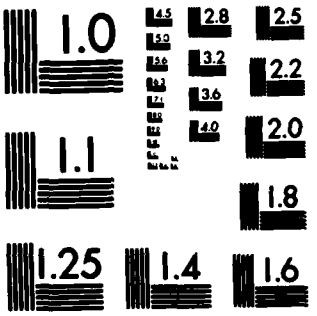

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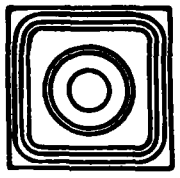

Reliability Analysis Center

A DoD Information Analysis Center

ELECTRONIC EQUIPMENT RELIABILITY DATA

Prepared by:

William A. Cesare and Susan B. Stockman
IIT Research Institute

Under Contract to:

Rome Air Development Center
Griffiss AFB, NY 13441-5700

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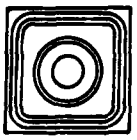

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In addition, a System/Equipment Reliability Corporate Memory (RCM) is also operating under the auspices of the RAC and serves as the focal point for the collection and analysis of all reliability-related information and data on operating and planned military systems and equipment.

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Reliability data documents covering most of the device types mentioned above are available annually from RAC. Also, RAC provides reliability consulting and technical and bibliographic inquiry services which are fully discussed at the end of this document.

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19. ABSTRACT (Continue on reverse if necessary and identify by block number)

This equipment-level reliability compendium provides reliability data on military electronic equipments at the set, group, and unit levels. The data provided in this publication is taken from Systems Reliability, Availability and Maintainability (Systems RAM), an electronic equipment-level data base, which provides contractual and technical descriptions of a variety of equipments. This data book stands as a compendium of data analyzed to provide key attributes relating to reliability. EERD-2 is a complete replacement of EERD-1. The data contained herein are the sum of reliability prediction, demonstration testing and field experience which has been collected over the past 15 years. The field data has been collected predominately in the time period of 1983 through 1985.

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PREFACE

This is the second of a series of reliability data publications at the system/equipment level. A complementary series of documents is concerned with system/equipment maintainability data (Electronic Equipment Maintainability Data (EEMD-1)). Other volumes prepared by the Reliability Analysis Center consider reliability of digital microcircuits, discrete semiconductors (including optoelectronic and microwave devices), hybrids, linear and interface devices, memory/LSI devices, and nonelectronic parts.

The data presented in these reliability publications are intended to complement such documents as MIL-HDBK-217, MIL-STD-883 and MIL-HDBK-472. EERD-2 is presented as a total replacement to the document EERD-1. The report reflects an approximate increase of 50 percent in the quantity of data presented and the equipment IDs have been revised in this edition. This change in specific equipment references therefore, precludes the interchange of material between publications.

The user is cautioned, however, that the data contained herein may not be used in lieu of contractually cited references.

The principal investigator of this publication was William Cesare, with Susan Stockman providing the analysis.

The authors would like to express sincere appreciation to all those who contributed their time and effort to the preparation of this document, with very special thanks to the following individuals:

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INTRODUCTION

This equipment-level reliability compendium provides reliability data on military electronic equipments at the set, group and unit levels. Each equipment has been assigned an Equipment Identification number (EQUIP ID). This EQUIP ID is unique to an equipment, and it is used consistently throughout the publication. The equipment IDs used in this report are not the same as those IDs used in EERD-1.

The data provided in this publication is taken from the RAC Systems Reliability, Availability and Maintainability (Systems RAM) data base. This is an electronic equipment-level data base which provides contractual and technical descriptions of numerous equipments. The data base also provides information on reliability, maintainability and availability of the equipment at all phases of its life cycle. The contractual description consists of the goals and criteria imposed upon the contractor (for example, the appropriate military standard and revision for reliability predictions and demonstrations is cited). The technical description consists of the design approaches, technologies, major parameters and complexity of a particular equipment.

The Systems RAM data base provides a comprehensive data bank to generate EERD and EEMD data books, to respond to technical inquiries, and to provide information for special projects and reports. The data books stand as compendia of data analyzed to provide key attributes relating to reliability and maintainability. The data permits more accurate formulation of design and development techniques to improve operational reliability, maintainability prediction and life cycle cost.

The data from the Systems RAM data base helps to refine, revise and develop reliability and maintainability prediction, allocation and demonstration techniques with regard to the environment and equipment type.

The major goal of the document is to evaluate common reliability practices and to investigate the relationships between those parameters designed to assist in the development of reliable equipments. The results of statistical and graphical analyses are presented in the text to provide unbiased examination of current reliability indicators. The objective of the study was to determine the relative effectiveness of those indicators and to help enhance the capabilities of reliability forecasting.

The reliability data are obtained essentially from observed field usage and from contractually deliverable documentation associated with development and production of military electronic systems and equipment. Compilations and/or automated data retrieval systems such as the Air Force Maintenance and Operational Data Access System (MODAS) and the Navy Maintenance, Material and Management (3-M) data collection system are sources for this data. The documentation researched included reliability allocation, assessment and analysis reports, reliability demonstration test reports, simulated operation test reports, production verification test reports (for reliability data), operating and maintenance manuals (T.O.'s), equipment specifications and contract documents (for technical design and program requirement data). In many cases, the documentation, or the data within the documentation, was incomplete and the equipment manufacturer was queried to obtain the needed information. A continuous concentrated effort was made to fill in the missing technical data and to obtain more field data for comparison with requirements, predictions, and test results.

The information contained in this report is an up-to-date listing of the Reliability Analysis Center's System RAM dedicated data base. The data contained herein are the sum of reliability prediction, demonstration testing and field experience which has been collected over the past 15 years. The field data has been collected predominately in the time period of 1983 through 1985.

The report is structured as described in the following paragraphs:

Section 1 - Definition of Terms, lists the definitions of terms used in the Reliability Data Analysis (Section 2) and in the Equipment Reliability Data Detailed Listings (Section 3). These definitions are oriented toward their usage in the report and are based on the definitions contained in AFR/800-18, IEC 271, MIL-STD-781C, and MIL-STD-721C, which were utilized to the extent feasible to accomodate all services.

Section 2 - Data Analysis, describes the analyses, summaries, and comparisons of the reliability data contained in Section 3 of the report. Every attempt has been made to present summaries which will be useful and meaningful to program managers and reliability analysts. Further detailed and specific information is contained in the Section 2 introduction and the narratives to the tables and graphs.

Section 3 - Equipment Reliability Data, contains detailed listings of reliability data contained in the Systems RAM automated data base. Included are specified, allocated and predicted reliability numerics. Also included are reliability numerics experienced during field operation, simulated operation, production reliability verification and demonstration tests. The formats were devised for ease of reading within the constraints of the data base. Computer codes and cross-referencing were utilized to present the data in an efficient and concise manner. The reliability data is organized first by category, then by equipment types, equipment identification number and data source. The data are organized in this manner so that the reader may readily compare all reliability numerics for each equipment. The reliability data listing is preceded by a usage guide, which explains each data column and provides the definitions of the coded entries in the column.

Section 4 - Equipment Characterization Data, contains detailed listings of equipment characterization data contained in the Systems RAM automated data base. The data included in this section relates to equipment design factors which influence reliability and maintainability. A complete description of the types of data included is contained in the introduction to Section 4. Entries in this section are organized by equipment ID number.

Section 5 - Program/Contract Characterization Data, contains detailed listings of program and contract related data contained in the Systems RAM automated data base. Included are procurement and contract data, application environment data and program requirements. A complete description of the types of data included is contained in the introduction to Section 5. Entries in this section are organized by program ID number.

DEFINITION OF TERMS

DEFINITION OF TERMS

INTRODUCTION

For the convenience of the user, the terms and statistical methods used within this document are presented in this section. The definitions provided by AFR/800-18, IEC 271, MIL-STD-781C, and MIL-STD-721C were reviewed for standard R&M definitions and are utilized to the extent possible to accommodate all services. It should be noted that various significant differences exist among several of the definitions in the above documents. It is further noted that this report and the definitions herein were based on the general consensus of terminology. In areas where a consensus opinion could not be determined, a composite definition was determined and used.

GENERAL DEFINITIONS

Active Elements: Denotes the total quantity of electron tubes, discrete semiconductors, and microcircuits (hybrids, digitals, linear/interface, memory/LSIs and microprocessors) in the applicable equipment.

Category: Denotes the general functional purpose of the overall equipment. It is usually defined at the set/equipment level. The categories included in this document are:

Computer
Controls/Displays
Electronic Countermeasures/
Electronic Warfare
Guidance/Navigation
Test Equipment
Radar
Weapons
Communications

Data Source: The source of the reliability data. The following data types are included for the equipments listed in the publication:

Contract/Spec. Requirements
Allocation
Prediction
Reliability Demonstration
Production Reliability Verification (PRVT, RET, etc.)
Simulated Operation (CAT I, DOT&E, IOT&E, SEDS, OTI, etc.)
Field Data

Dependent Variable: The variable (designated by Y) which is influenced by the independent variable(s) (designated by the X_i). For this study, the dependent variable was typically a reliability measure which depends on various independent variables such as environment, procurement, etc..

Equipment ID: Each equipment in the detailed listing was assigned a number for easy reference. These numbers are assigned sequentially as the data is entered into the data base. The number is unique for an equipment and consistent throughout the publication.

Equipment Type: Denotes the specific function of the equipment. It is usually defined at the Group or Unit equipment level. The equipment types included in this document are:

Power Supply	Multiplexer/Demultiplexer
Transmitter	Interconnection/Distribution
Receiver	Converter, D/A or A/D
Transceiver	Filter
Antenna	Inertial Reference
Amplifier, Audio	Stellar Reference
Amplifier, RF	Frequency/Timing Generator
Amplifier, Video	Cooling/Pressurizing

Computer	Test Circuitry
Memory	Alarm
I/O Device	Signal/Data Processor
Indicator/Control	Miscellaneous
Modulator/Demodulator	Transducer
Coder/Decoder	

Failure, Non-Relevant: A failure either (1) caused by a condition external to the equipment under test which is not a test requirement and which is not expected to be encountered in field service or (2) induced by operator or maintenance personnel.

Failure, Relevant: Any failure that can be expected to occur in subsequent field service and is due to the inherent failure characteristics of the system/equipment.

Failure Rate: The total number of failures within an item population divided by the total number of life (time) units expended by that population during a particular measurement interval under stated conditions. This definition assumes that the exponential reliability distribution is applicable for systems/equipments. Failure rate is expressed in units of failures per 10^6 operating hours.

Independent Variable: A variable (designated by X) whose value can be measured without error which may potentially influence the reliability measure (dependent variable). Independent variables may be categorical (e.g., environment) or continuous (e.g., temperature).

Mean-Time-Between-Failures (MTBF): The mean of the distribution of time intervals between failures, during which time the item performs as specified.

Mean-Time-Between-Failures (MTBF) Observed: The total measured operating time of a population of equipments divided by the total number of failures within the population during the measured period of time. MTBF values or MTBF lower bounds were computed as indicated for the following three cases:

(a) Series (Logistic) MTBF:

$$MTBF = T/R$$

where:

R = sum of all failures
T = sum of equipment operating hours

(b) Functional MTBF:

$$MTBF = T/R$$

where:

R = sum of relevant failures resulting in system failure. (This sum differs from case (a) where redundancy exists or where graceful degradation or degraded modes of operation can be tolerated.)

T = sum of system operating hours

(c) Zero Failures: If no failures have occurred, the lower 50% confidence limit ($MTBF_{LL}$) for a time-truncated test was used to provide lower bound on MTBF, and is given by:

$$MTBF_{LL} = \frac{2T}{\chi^2(0.25:2(r+1)}$$

where:

T = operating hours

r = number of failures

$\chi^2(0.25,\ 2(r+1))$ = the appropriate value of the Chi-square distribution with 2r degrees of freedom at a significance of 0.25 (α=25%).

When r = 0,

$$MTBF_{LL} = \frac{2T}{\chi^2(0.25:2)}$$

Mean-Time-Between-Failures (MTBF) Predicted: The predicted MTBF (series or logistic) of the item's predicted failure rate. The predicted failure rate of an item is computed from the observed or assessed failure rates of its parts, taking into account the design of the item, and the stated conditions of use. The failure rate prediction is generally performed in accordance with the applicable version of MIL-HDBK-217.

Mean-Time-Between-Maintenance (MTBM): A measure of reliability taking into account all maintenance policies and actions. The total number of life units expended by a given time divided by the total number of maintenance events (scheduled and unscheduled) due to that item.

Mean-Time-Between-Maintenance-Actions (MTBMA): The total time in hours divided by the total number of maintenance (Base Level) events due to inherent malfunctions, induced malfunctions and no defect events. When so specified, maintenance events due to preventive maintenance may also be included in the calculation.

Mean-Time-Between-Preventive-Maintenance (MTBPM): The mean of the distributions of the time intervals between preventive maintenance events.

Multiple Linear Regression Analysis: Regression analysis is an important statistical tool used to determine the relationship between the dependent variable and the independent variable(s). Related methods of covariance analysis are used to deal with discrete (categorical) independent variables. The subject of regression analysis is thoroughly explained by Draper and Smith, in "Applied Regression Analyses" Wiley 1966.

Program Phase (PP): The phase of the equipment life cycle to which the data apply. The program phases are:

Development
Production
Operation

Reliability: The probability that a given system/equipment will perform its specified functions when used in the manner and for purpose intended, for a specified performance period (which may be expressed in time, cycles, etc., as appropriate).

Reliability Parameter (RP): The reliability parameters delineated in this document are:

Series (Logistic) MTBF
Functional MTBF
Mean-Time-Between-Maintenance Actions (MTBMA)
Mean-Time-Between-Preventive Maintenance (MTBPM)
Mean-Time-Between-Maintenance (MTBM)

R-Squared Coefficient: When using a linear model, such as regression analysis, to analyze the data, the R^2 coefficent (or multiple coefficient of determination) is equal to the ratio of the sum of squares of the variance explained by the regression to the sum of the squares of the total variance of the observed data. The R^2 value is used as a means to determine the "goodness-of-fit" of a regression model. The coefficient ranges from 0 to 1.0. A coefficient value of 1.0 indicates a perfect fit between the model and observed data, zero indicates no fit. $100R^2$ is the percent variability explained by the regression model.

Sample Size: Quantity of equipments under test or in field operation inventory.

Test Operate Hours: The summation of equipment on-time for all equipments under test or in inventory.

Test Non-Operate Hours: The summation of equipment off-time for all equipments under test or in inventory.

STATISTICAL

AND

GRAPHICAL ANALYSIS

DATA ANALYSIS

The data analysis to support this system reliability data compilation consisted of the three following tasks:

(1) Graphical analyses to assess the credibility of the reliability prediction

(2) Graphical analyses to identify prediction biases

(3) Regression analyses to investigate system/equipment level reliability prediction models

The first data analysis task was to plot the system/equipment field MTBF against the predicted MTBF. This allows for an objective evaluation of reliability prediction capabilities for a variety of equipment functional groups and environments. This analysis procedure was then repeated for observed reliability during reliability demonstration testing.

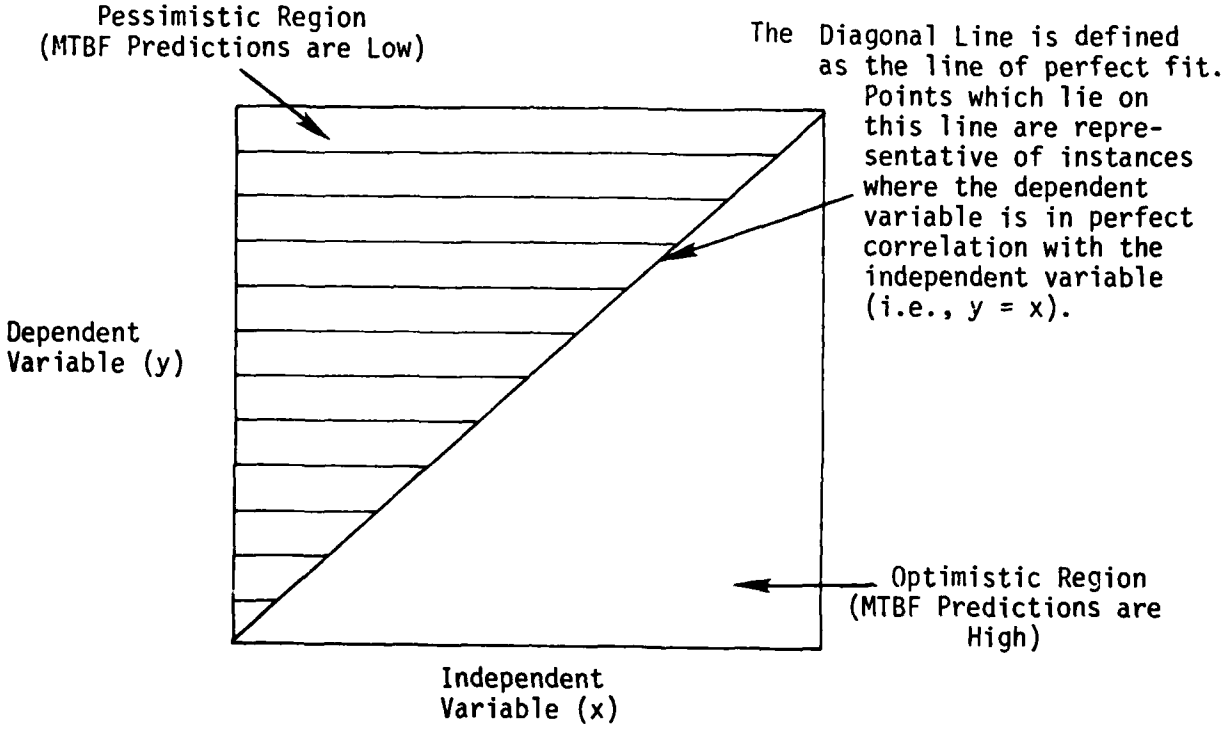
The second analysis task was to graph the ratio of field MTBF to predicted MTBF versus a third variable. Any trends observed would then indicate failure rate prediction biases. In this analysis, the MTBF ratio was plotted against the number of active elements and against the application environment.

The third analysis task was to perform regression analyses on the data base to detect and model those (independent) variables which affect reliability. Regression solutions were found using least squares to define reliability expressions relating the observed field or reliability demonstration MTBF to several independent variables including the predicted MTBF, the number of active elements, the application environment and the equipment functional category. The regression solutions are presented in this analysis section together with an indication of "goodness-of-fit."

GRAPHICAL ANALYSIS

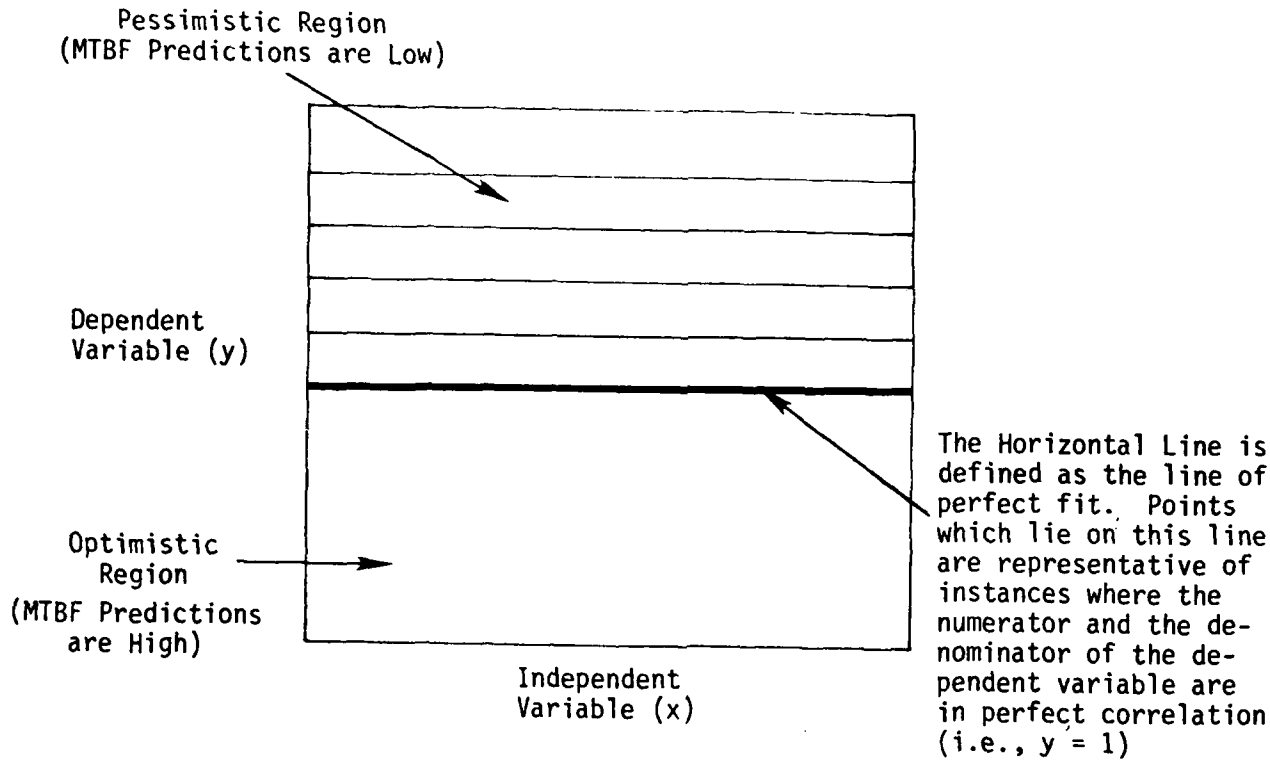
The plots presented in this section are constructed in two basic forms and the following examples are given as a reference for the analysis which follows:

EXAMPLE 1:



In Example 1, data points which appear to the left of the diagonal in the shaded area are examples of points which had higher x values relative to their corresponding y values (pessimistic region); conversely, the data points which appear to the right of the diagonal are examples of points which had higher y values in reference to their corresponding x values (optimistic region).

EXAMPLE 2:



In Example 2, data points which appear above the line of perfect fit (in the shaded area) are examples of points which had lower denominator values relative to their corresponding numerator values (pessimistic region); conversely, the data points which appear below the line of perfect fit are examples of points which had higher denominator values in reference to their corresponding numerator values (optimistic region).

Table 1, "Graphical Analysis Matrix," serves as an index to the graphs which follow. The matrix includes the figure numbers, the figure example number (either 1 or 2 as previously depicted), the dependent variable, the independent variable and the equation which defines the line of perfect fit.

Since Figures 1 through 12 are defined with a common x value (reliability prediction MTBF) certain inferences are similar for all plots. For instance, points which appear in the shaded area (all points with greater y values than x values) represent data with higher predicted MTBFs in relation to observed MTBFs. This condition represents reliability predictions that are pessimistic relative to the observed reliability. The converse is also true. Reliability predictions which are determined to be less than the corresponding observed reliability (all points with greater x values than y values) are considered optimistic, and points representing this condition are found to the right of the diagonal.

The ratio denominator values (predicted MTBF), common for Figures 13 through 36, can also be illustrated as being either optimistic or pessimistic. Points in the shaded region are considered to have pessimistic predictions, those points with higher predicted MTBFs than observed MTBFs. Points in the unshaded region are considered to have optimistic predictions, those points with lower predicted MTBFs than observed MTBFs.

TABLE 1:

GRAPHICAL ANALYSIS MATRIX

FIGURE NUMBERS	FIGURE EXAMPLE NUMBER	DEPENDENT VARIABLE (Y)	INDEPENDENT VARIABLE (X)	LINE OF PERFECT FIT
1-6	1	$MTBF_{FIELD}$	$MTBF_{PRED}$	$MTBF_{FIELD} = MTBF_{PRED}$
7-12	1	$MTBF_{REL-DEMO}$	$MTBF_{PRED}$	$MTBF_{REL-DEMO} = MTBF_{PRED}$
13-18	2	$\frac{MTBF_{FIELD}}{MTBF_{PRED}}$	Environment	$MTBF_{FIELD} = MTBF_{PRED}$
19-24	2	$\frac{MTBF_{FIELD}}{MTBF_{PRED}}$	# Active Elements	$MTBF_{FIELD} = MTBF_{PRED}$
25-30	2	$\frac{MTBF_{REL-DEMO}}{MTBF_{PRED}}$	Environment	$MTBF_{REL-DEMO} = MTBF_{PRED}$
31-36	2	$\frac{MTBF_{REL-DEMO}}{MTBF_{PRED}}$	# Active Elements	$MTBF_{REL-DEMO} = MTBF_{PRED}$

GRAPHICAL RELIABILITY PREDICTION EVALUATIONS

The figures presented on the following pages are graphical representations of the data contained in the report. Each plot provides data on a specific equipment category (e.g., Electronic Warfare, Controls/Displays, etc.) which operates under varying environmental conditions. Plotting the data in this manner allows objective decisions to be made regarding the significance of environmental impact on equipment reliability.

The data is comprised of both set-level and LRU (Line Replaceable Unit) information which often has very high predicted and field MTBF values. This, therefore, explains the seemingly obtrusive limits dipicted in many of the plots. Log scales are utilized for each of the plots to facilitate visual continuity and improve the interpretive value. The intervals defined for the areas which lie to either side of the line where the ratio is equal to one represent similar distances; that is, the difference between positive and negative values are equal in magnitude and will appear equal distance about the line of perfect fit.

The analysis begins with a set of plots which show the relationship between equipment-level field MTBF and predicted MTBF. The plots exhibit the degree of correlation which exists between these two parameters and invites unbiased evaluation. This method also enables the user to determine whether the predicted MTBF is optimistic or pessimistic (if not in perfect agreement) when compared to the observed field reliability. The process is repeated to examine the relationship between reliability demonstration test data and predicted data.

Figures 1 through 6 display the first set of plots where the y-axis, field MTBF, is plotted against the x-axis, predicted MTBF. The diagonals transposed on the plots represent the line where field MTBF equals predicted MTBF and a point on this line therefore indicates perfect agreement. It is thus expected that the points would be

centered around this line closely if formal MIL-HDBK-217 reliability prediction is an accurate means of predicting the failure characteristics of equipment operating in the field. A number of the plots indicate that the field reliability is less than the corresponding predicted reliability. Figures 1, 2, 3 and 5 displays this trend where the majority of points lie to the right of the diagonal; this is particularly true for equipments operating in the air environment. Conversely, the points representing ground and naval environmental data are generally dispersed either symmetrically about the line or above it, indicating that the predictions are generally accurate or pessimistic in relation to the observed reliability. This is best represented in Figures 2, 4 and 5.

The dispersion of the individual data points in each of these six plots is relatively high. This can be attributed to the use of field data in the analyses since data collected from the field is subject to a variety of different mission profiles, each with unique environmental stress levels. The data does establish a trend, however, whereby an increase in the predicted MTBF corresponds to an increase in the field MTBF indicating that a fairly good relationship between the two does exist.

Figures 7 through 12 are similar to the previous set (1-6) except that the y-axis variable reflects reliability demonstration MTBF. Consequently, the variability of the data is reduced substantially due to the better control of the independent variable, and the degree of correlation between the reliability demonstration data and the predicted is better than that of the field data. Reliability demonstration test data may not be a true indicator of reliability, however, since operational and environmental testing conditions are tightly controlled. This must be considered when evaluating the results.

The reliability demonstration plots also show the optimistic effects of the predicted values associated with the air environment, already noted from the field data (Figures 1 through 6). This is depicted in Figures 7, 8, 9, 10 and 11. Figure 9 particularly highlights this phenomenon and also indicates that the demonstrated reliability values associated with the naval data are in close agreement with the reliability predictions.

The dispersion of the individual data points presented in each of the plots (Figures 1 through 12) is relatively high for both cases of field and reliability demonstrated data. Even though there is a large degree of variability in the data there is also a trend which appears throughout the plots. This trend is characterized by point values which increase in the x-axis direction corresponding to increases in the y-axis direction. The increase translates visually to a general shift in the data points from the lower left to the upper right-hand corner of the plots. This is to be expected since an equipment calculated to have a large predicted MTBF should be accompanied by a relatively similar reliability demonstrated or field MTBF.

It is interesting to note Figures 3 and 9. Figure 3 shows the plot of field MTBF versus predicted MTBF for Guidance/Navigation equipment operating in air, ground and naval environments. The observation indicates that the ground-operating equipments were pessimistically predicted and the points are found primarily to the left of the diagonal.

Figure 9, on the other hand, representing reliability demonstrated versus predicted data, shows that the performance of ground-operating equipment under demonstration testing falls in the optimistically predicted region of the plot (to the right of the diagonal). The air and the naval data points seem to be unaffected by the source of the data and ultimately represent a better correlation between the predicted, the reliability demonstrated and the field MTBFs of Guidance/Navigation equipment operating in either air or naval environments.

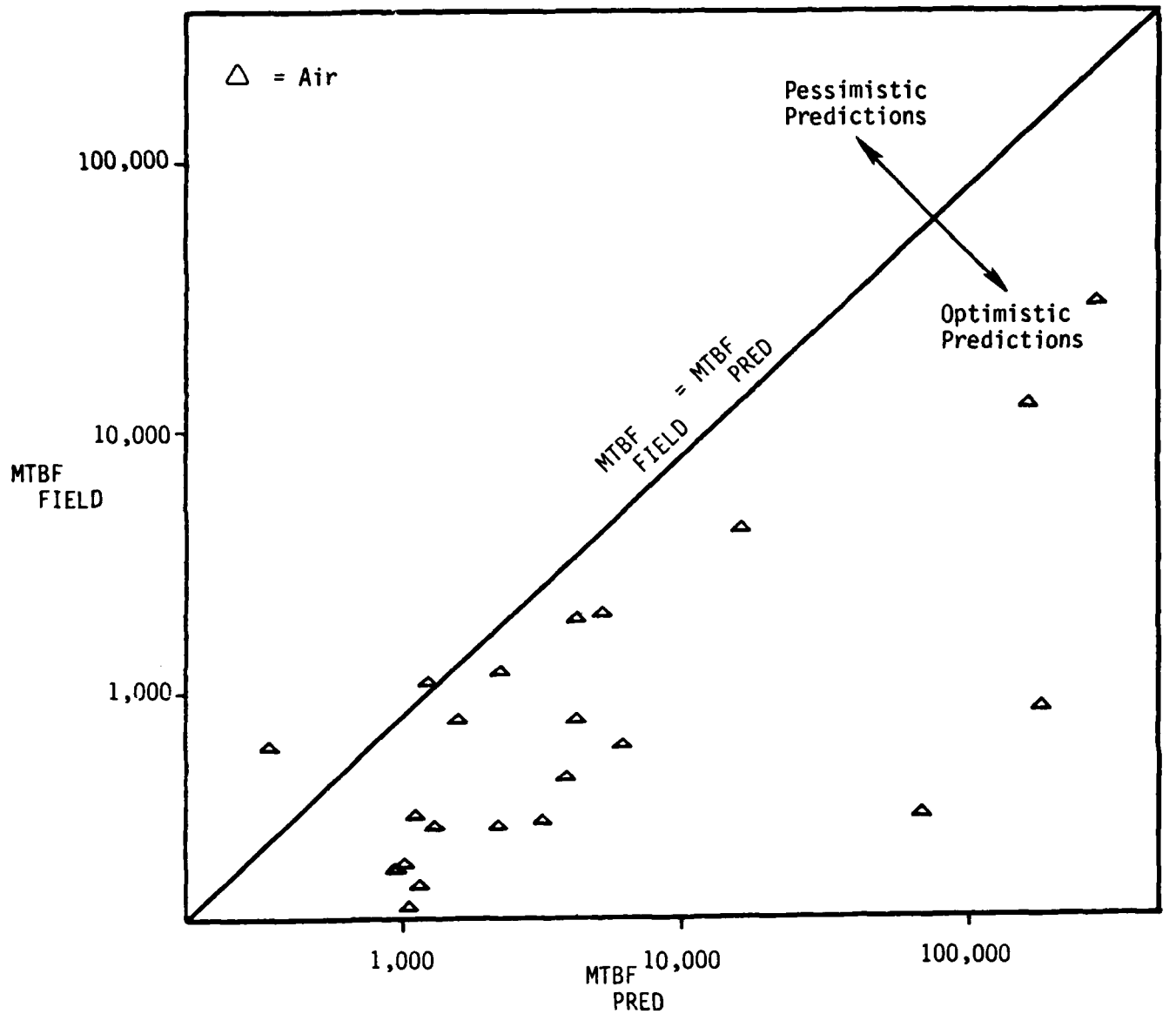


FIGURE 1: CONTROLS/DISPLAYS FIELD MTBF VERSUS PREDICTED MTBF

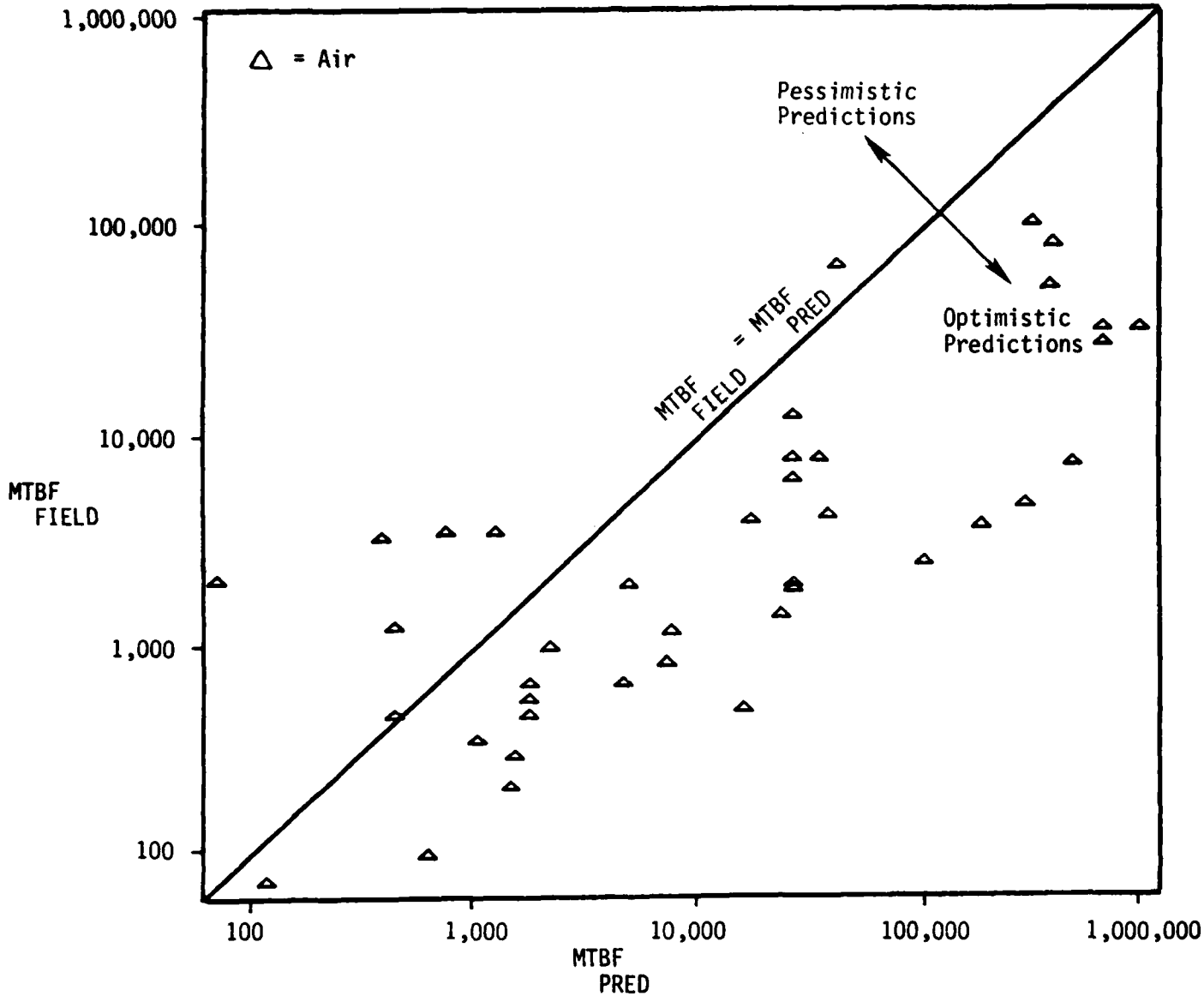


FIGURE 2: ELECTRONIC WARFARE FIELD MTBF VERSUS PREDICTED MTBF

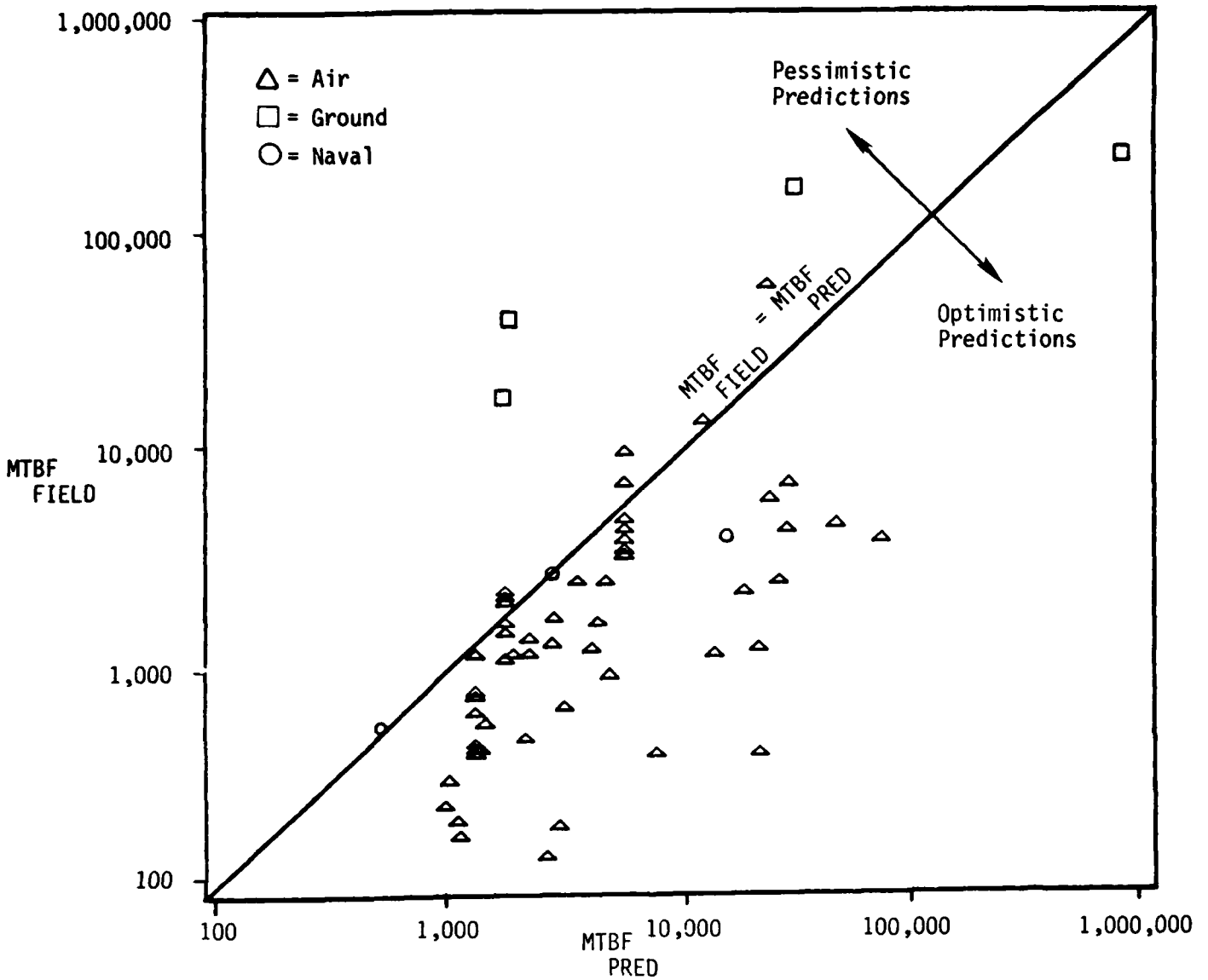


FIGURE 3: GUIDANCE/NAVIGATION FIELD MTBF VERSUS PREDICTED MTBF

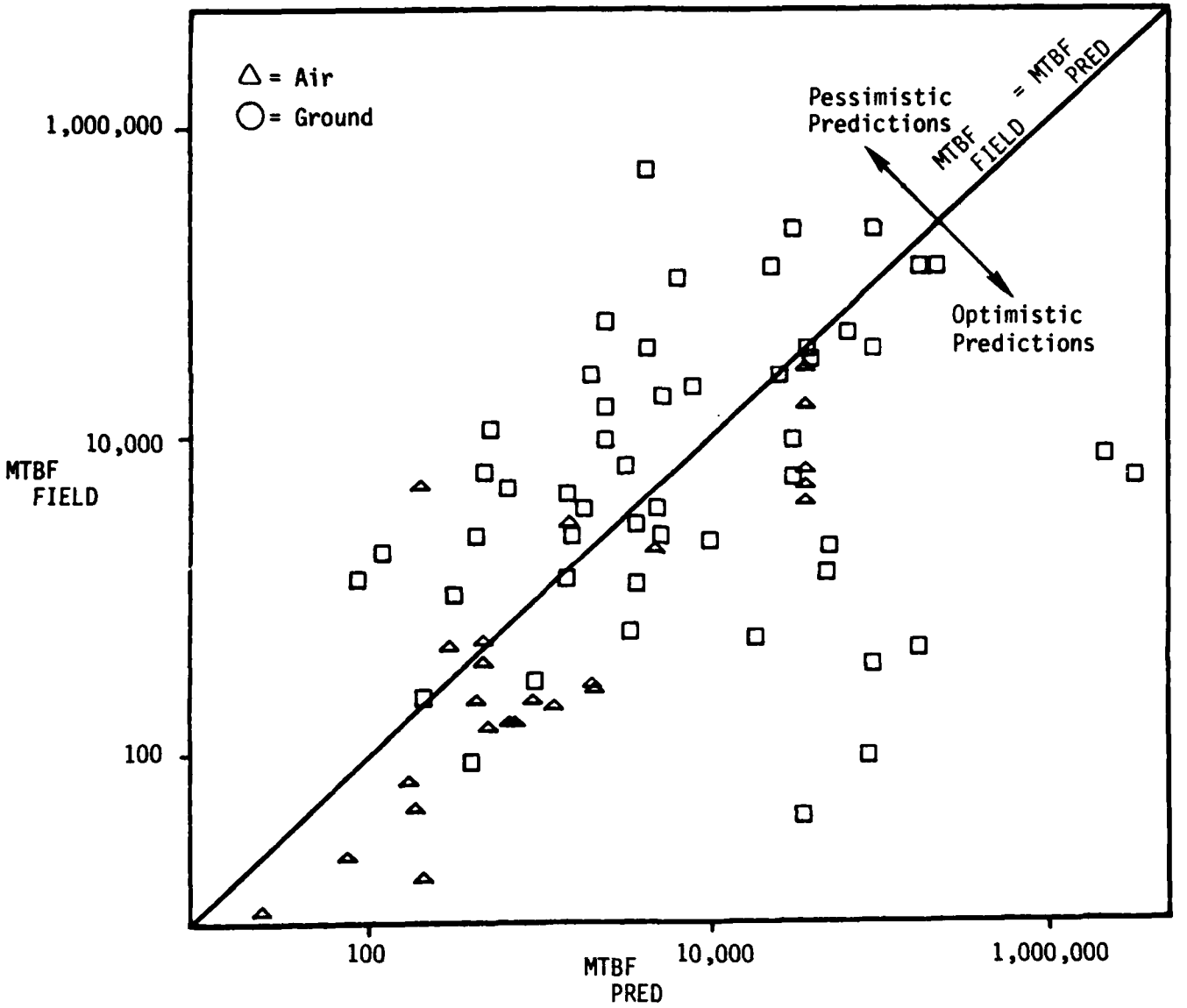


FIGURE 4: RADAR FIELD MTBF VERSUS PREDICTED MTBF

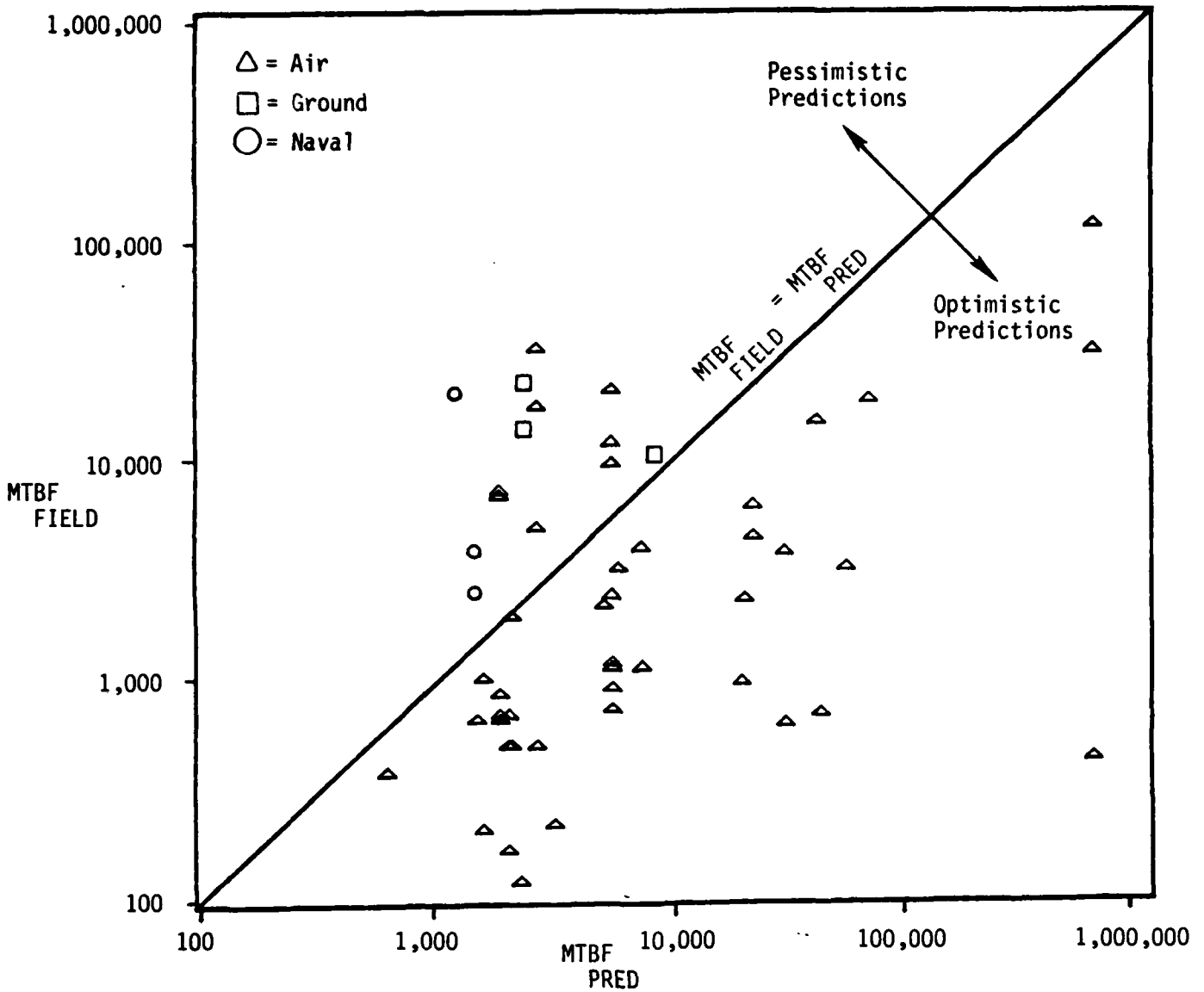


FIGURE 5: COMMUNICATIONS FIELD MTBF VERSUS PREDICTED MTBF

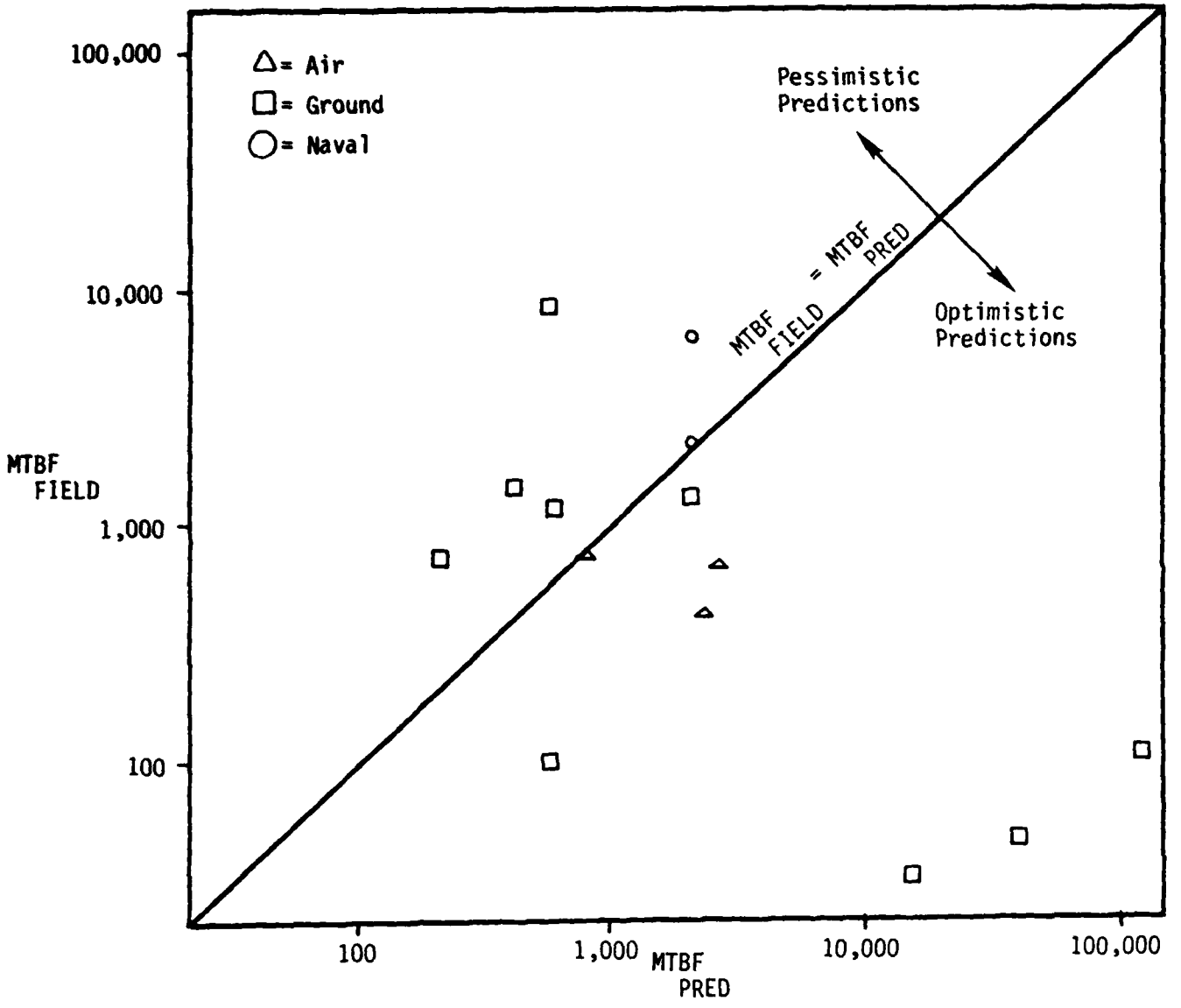


FIGURE 6: COMPUTER FIELD MTBF VERSUS PREDICTED MTBF

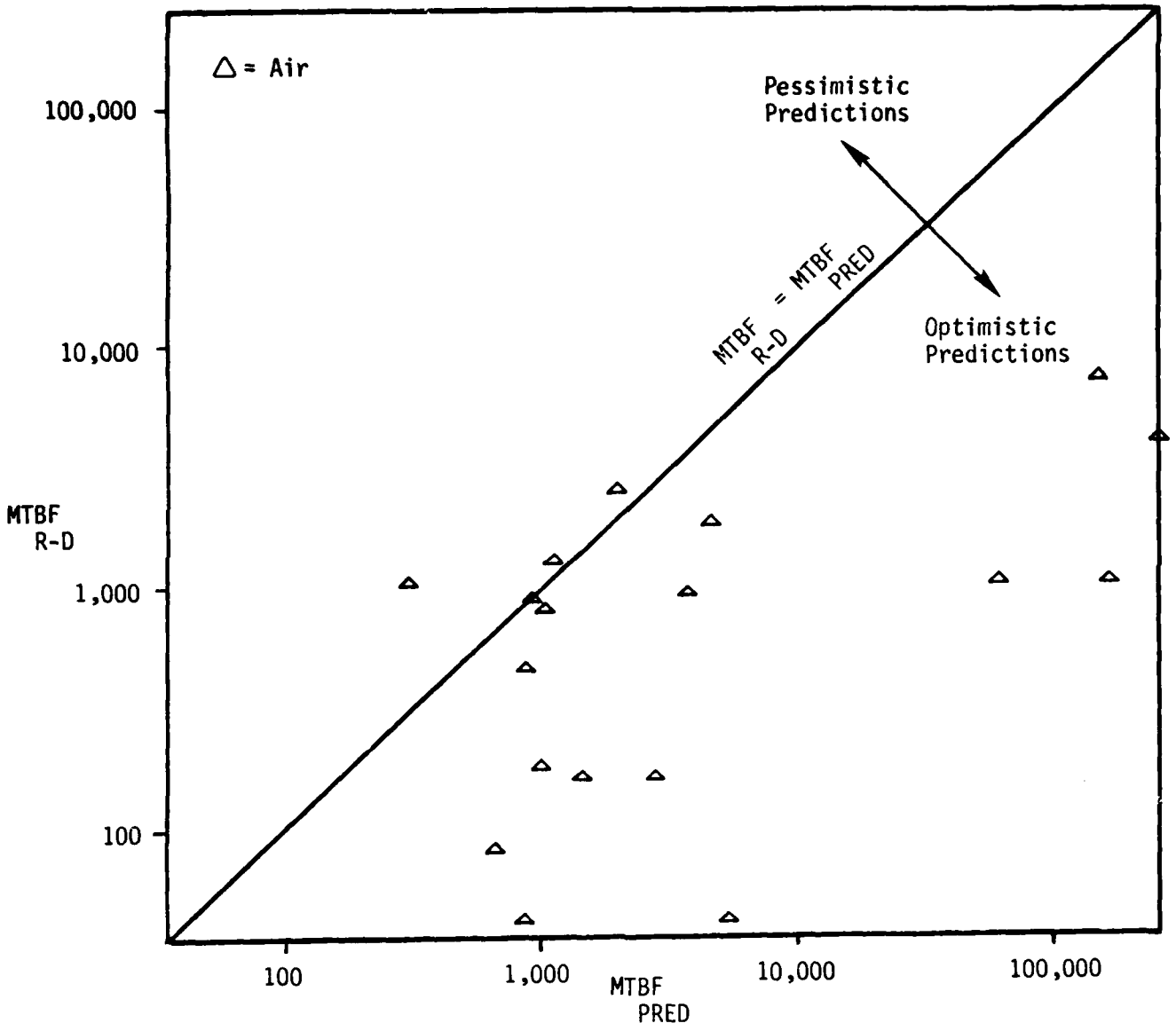


FIGURE 7: CONTROLS/DISPLAYS RELIABILITY DEMONSTRATION MTBF VERSUS PREDICTED MTBF

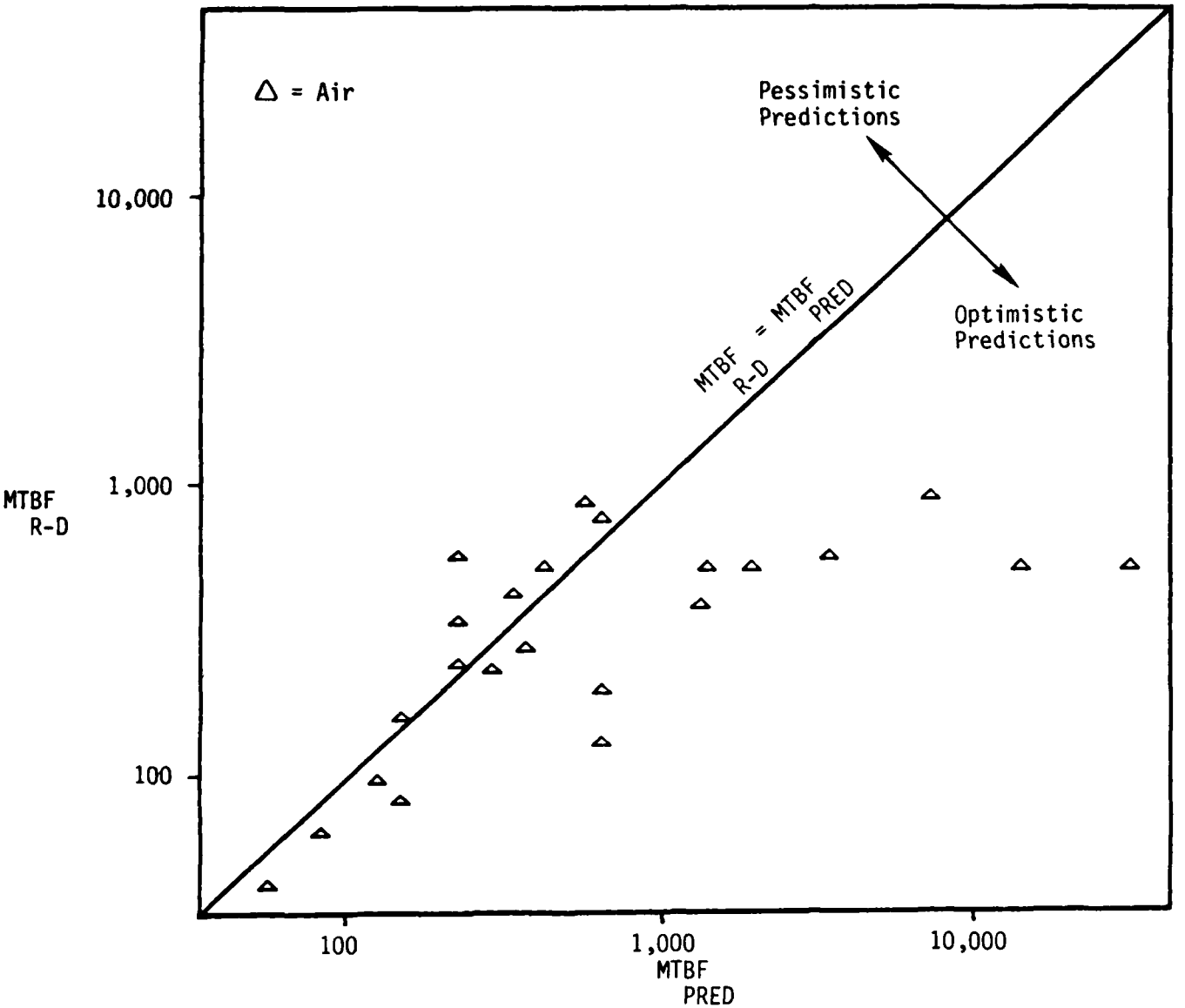


FIGURE 8: ELECTRONIC WARFARE RELIABILITY DEMONSTRATION MTBF VERSUS PREDICTED MTBF

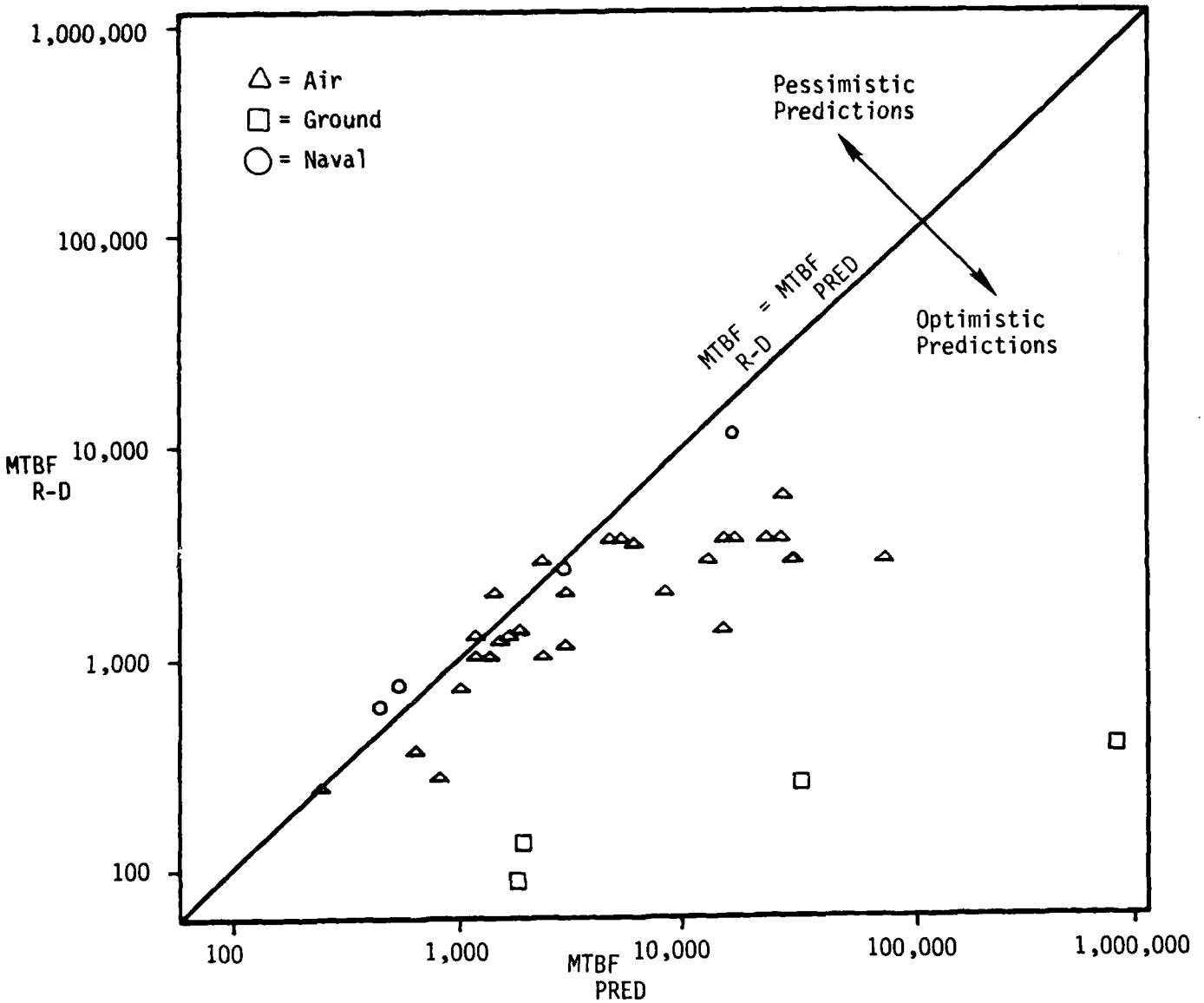


FIGURE 9: GUIDANCE/NAVIGATION RELIABILITY DEMONSTRATION MTBF VERSUS PREDICTED MTBF

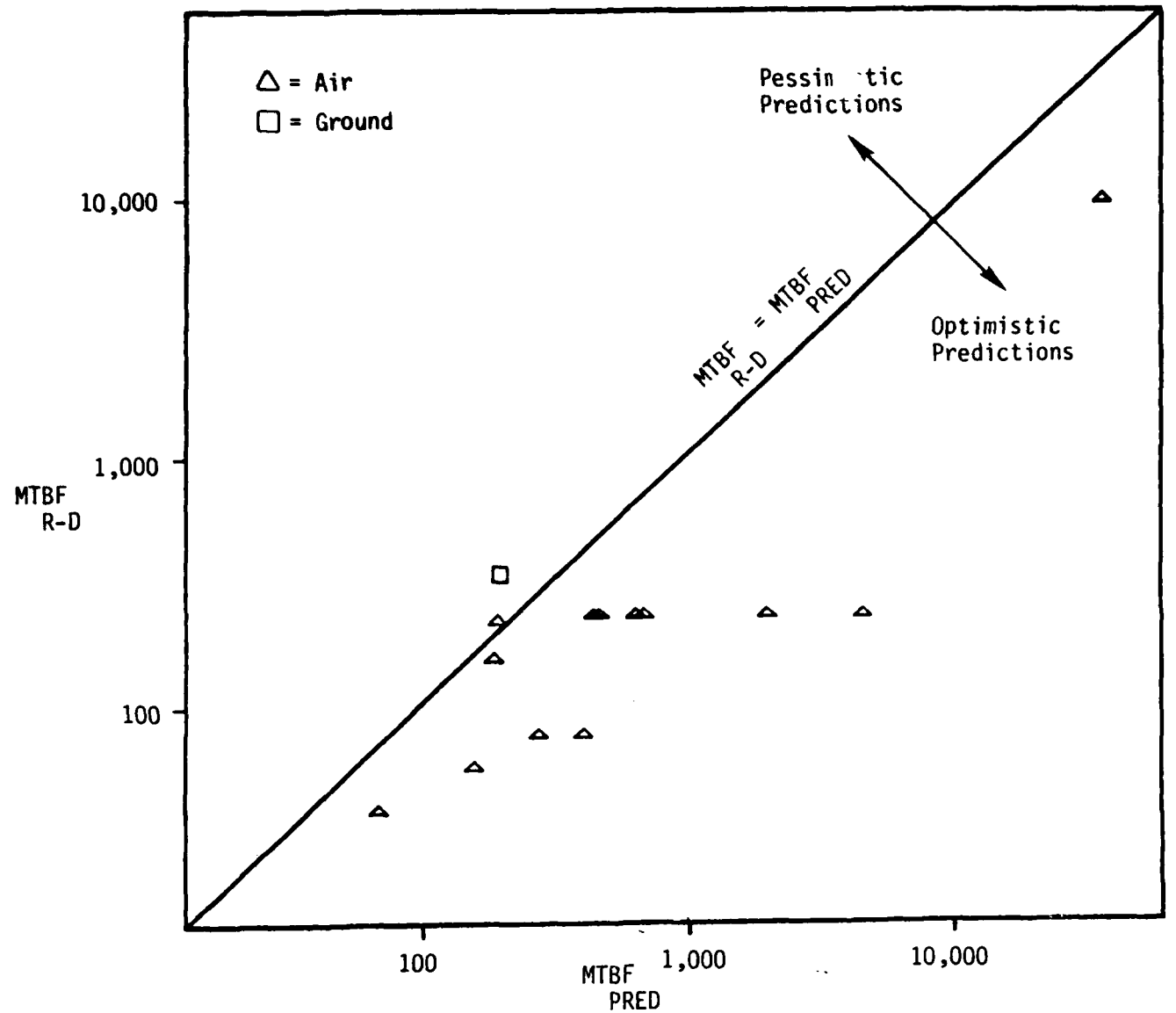


FIGURE 10: RADAR RELIABILITY DEMONSTRATION MTBF VERSUS PREDICTED MTBF

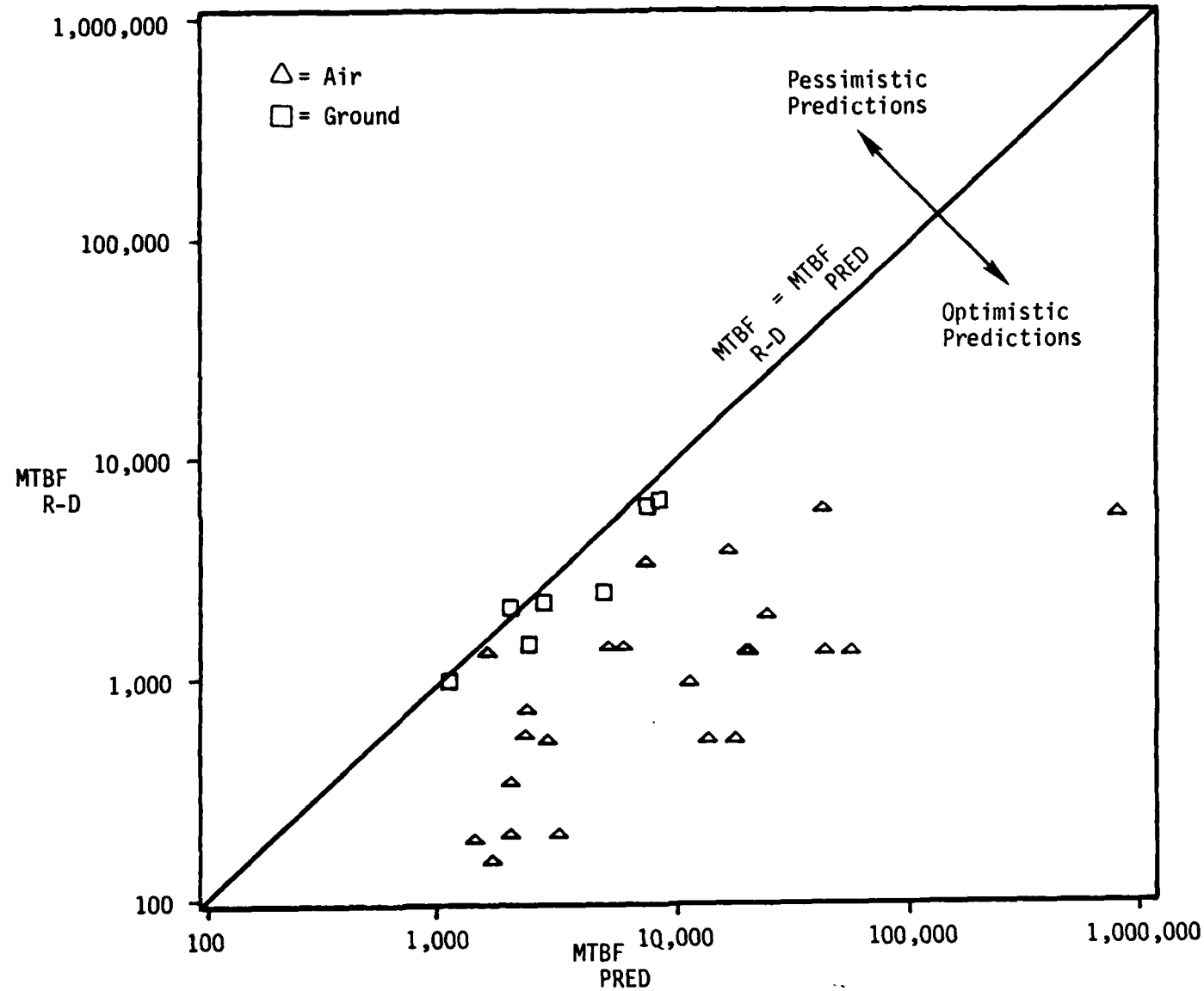


FIGURE 11: COMMUNICATIONS RELIABILITY DEMONSTRATION MTBF VERSUS PREDICTED MTBF

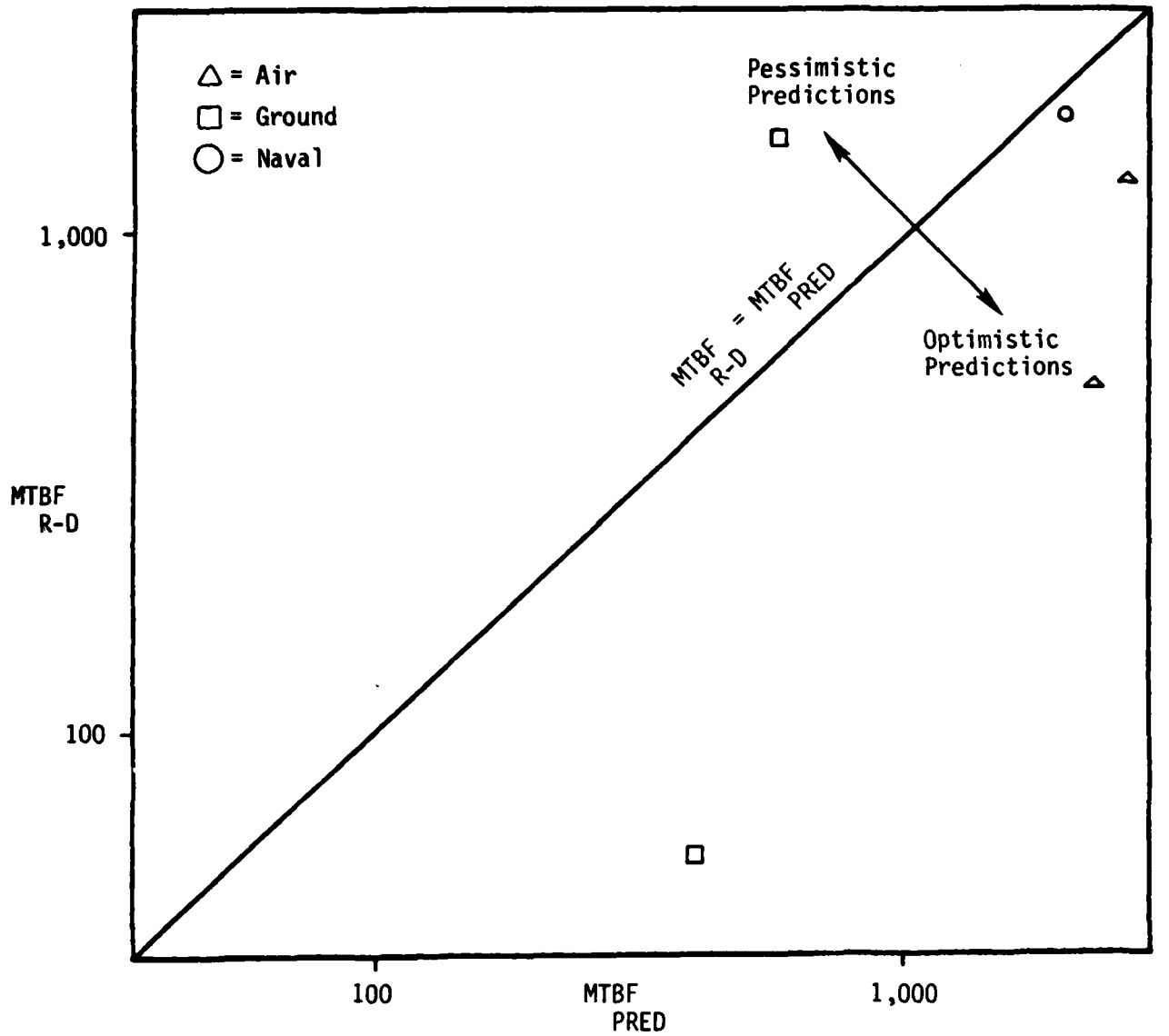


FIGURE 12: COMPUTER RELIABILITY DEMONSTRATION
MTBF VERSUS PREDICTED MTBF

GRAPHICAL PREDICTION BIAS EVALUATIONS

The analysis changes its scope to investigate the occurrences of failure rate prediction biases present in the data. Of particular interest is how the number of active elements and the application environment impart an influence over equipment reliability.

Figures 13 through 18 are plotted with the y-axis showing the ratio of field MTBF to predicted MTBF and the x-axis showing operating environments. The ideal relationship between the field and predicted MTBFs would be represented by a plot of the points centered on the line where $y = 1$. We will refer to this as the line of perfect fit. This would indicate that, on average, the predictions were equal to the field observations and thus the prediction models precisely forecast the reliability of equipment operating under field conditions. This is, of course, the ultimate goal of the models, but in reality perfect correlation rarely (if ever) exists.

Figures 19 through 24 are constructed similarly, in that they share a common y-axis (the ratio of field MTBF to predicted MTBF); however, the x-axis environmental points are replaced with the number of active elements contained in the various equipments examined.

The data presented in each of these plots is found to be distributed log-normally. Examinations of each of the plots generally indicate that the mean of the distributions for air data is less than one. This trend indicates that failure rate predictions are generally optimistic toward air-environment equipments, here represented by the abundance of points in the plotting region where field MTBF is lower than predicted MTBF. Figures 13, 15 and 16 are particularly good examples of this phenomenon where the air environment data points are almost exclusively shown below the line of perfect fit.

Figure 16 shows that the data specific to radar operating in the air environment is consistent with the trend where the predictions were calculated to give an optimistic value when compared to their associated field performance. The ground operating radars are shown to have a distribution where the mean is close to one (i.e., $\overline{MTBF_{PRED}}$ equals $\overline{MTBF_{FIELD}}$). Even though the dispersion between the individual data points is high, it can be seen that the field MTBF is in closer agreement with the predicted MTBF for these ground points than for the air. Figures 17 and 18 display data for ground and naval-operating equipments where the points are distributed about the line of perfect fit or above it. The values calculated from the failure rate prediction models draw a pessimistic picture for ground and naval operating equipments. In reality, they perform better than expected in the field.

The large amount of scatter in the plots can be attributed to several factors relating to the use of field data in this segment of the analysis. The high degree of variability in field data can be explained by the inordinate number of unknown, indeterminable or highly variable parameters which impact equipment reliability in the field which are otherwise impossible to account for. Additionally, field data is subject to more error than other types of reliability data. Erroneous maintenance actions, operator-induced failures and inappropriate reporting procedures are primary causes of inconsistencies found in the data. Another reason for the variability in the ratio plots is that different revisions of MIL-HDBK-217 were used to compute the MTBF predictions. In general, the more recent revisions result in higher MTBF predictions. The appropriate revision of MIL-HDBK-217 is reported in the section titled "Program/Contract Characterization Data."

The next set of plots, Figures 25 through 30, show the relationship between the ratio of reliability demonstrated MTBFs and predicted MTBFs against a third factor representing operating environment. The demonstrated reliability data is generally less variable than the field data since the conditions for demonstration testing are more controlled than in field operation. Figures 31 through 36 are constructed similarly to Figures 25-30; however, the x-axis variable corresponds to the number of active elements contained in the equipment.

Observations made on this data set indicate that on the average the predicted MTBFs relate well to the reliability demonstrated MTBFs, even though many of the individual points deviate in either direction from the mean.

Figures 25 through 30 show a trend of increasing MTBF prediction accuracy as the number of active elements increases. The prediction is seemingly always optimistic for small numbers of active elements, consistently improving with increasing elements.

This type of phenomenon is often found in reliability data at the component level when plotted against total test time. Again, the accuracy of the component MTTF estimate increases as test time increases. This empirical phenomenon is supported (at the component level) by the relevant mathematical expressions for confidence intervals on the estimated component MTTF (or failure rate).

At the system level (Figures 26 through 30) the cause could be similar, with accuracy improving with the increasing number of active elements. It is not clear, however, whether the prediction accuracy improves or whether the MTBF estimate improves with the increasing number of elements. It is also possible that a third variable may have intervened (such as a coincidental correlation of test times with the number of active elements). Intuitively, it would be expected that the statistical characteristics and stability of MTBF estimates and predictions for large systems would be superior to those for smaller systems.

Figures 31 through 36 display an apparent trend in the data whereby the data shifts from the lower left-hand corner to the upper right hand corner. This shift represents an increasing correlation between the reliability demonstration data to the predicted data. Correspondingly, the relationship strengthens as a function of the number of active elements. Figures 32 and 33 representing Electronic Warfare and Guidance/Navigation equipments operating under air environmental

conditions are good examples of this reliability prediction bias. Even though this trend is clearly evident in several of the figures, more data under controlled circumstances (e.g., identical revisions of MIL-HDBK-217) is required to substantiate this finding.

The results of the graphical analysis indicate that reliability predictions calculated for equipments operating under air environmental conditions are generally proved to be optimistic with regard to their observed field reliability. Conversely, the predictions performed on ground or naval-operating equipments generally are shown to be calculated with an accurate or a pessimistic MTBF in relation to their observed field reliability. Additionally, a possible trend was identified whereby the prediction accuracy increases as the number of active elements increases. More research is required with a larger and more controlled data set to further study this issue.

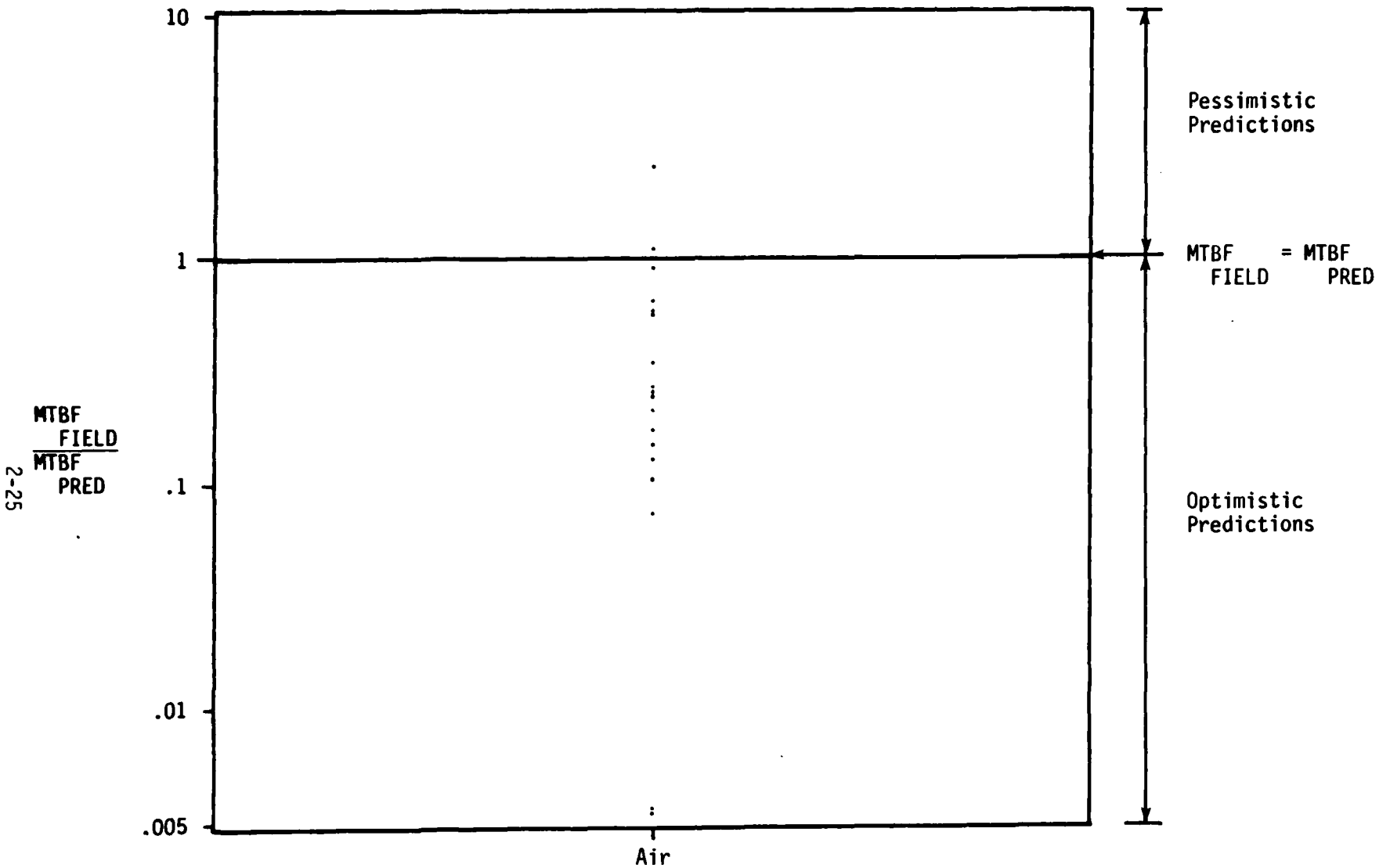


FIGURE 13: CONTROLS/DISPLAYS MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

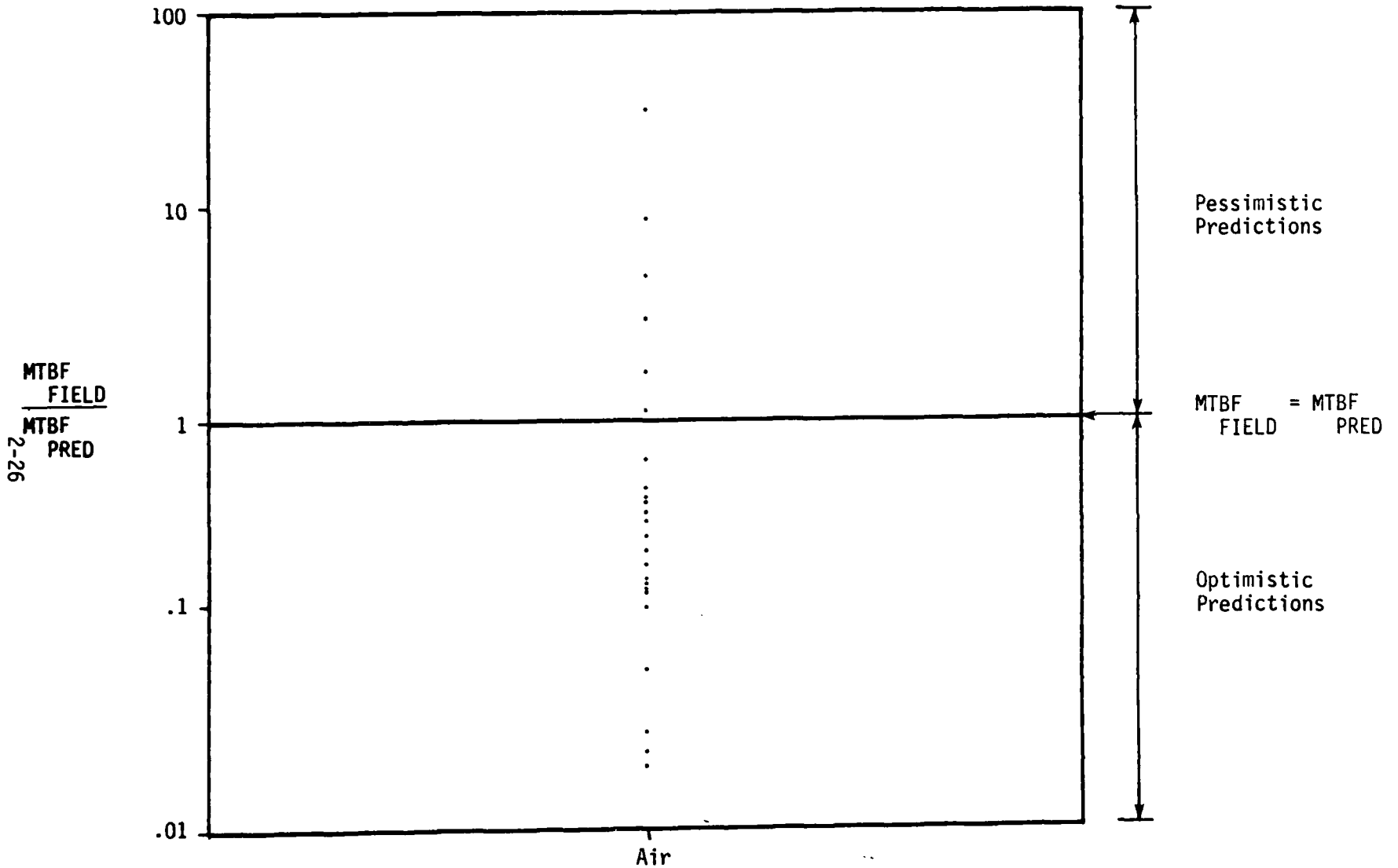


FIGURE 14: ELECTRONIC WARFARE MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

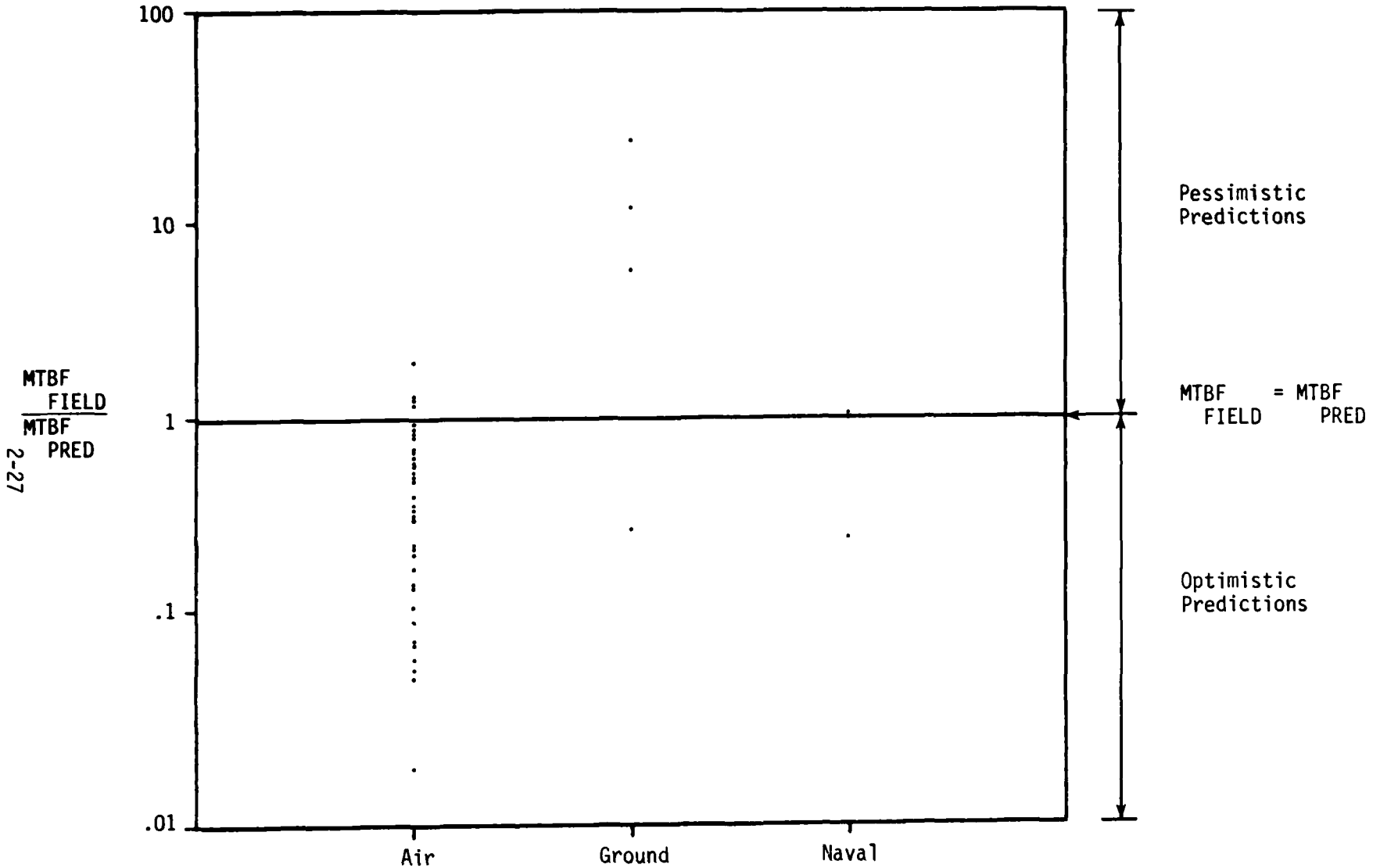


FIGURE 15: GUIDANCE/NAVIGATION MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

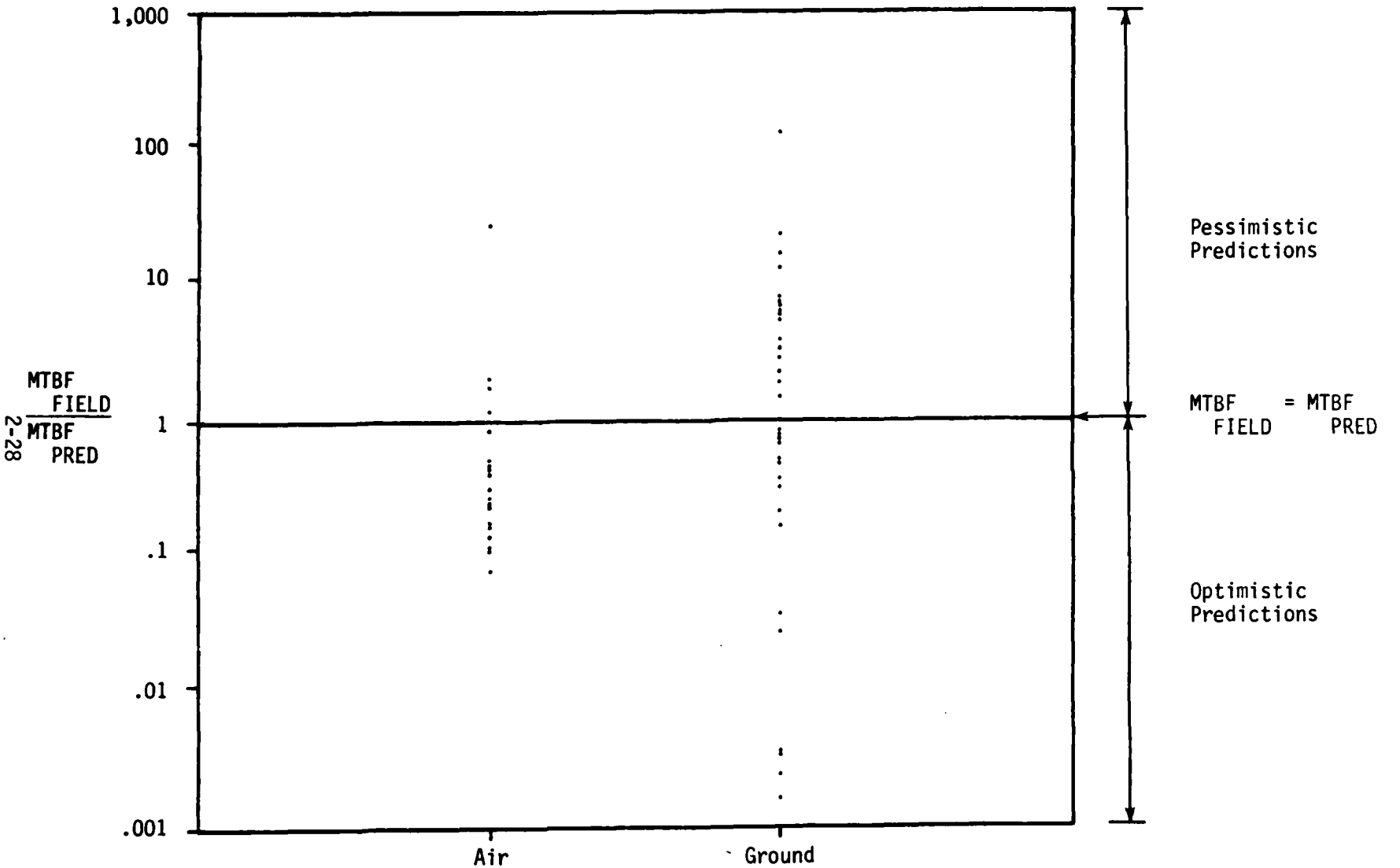


FIGURE 16: RADAR MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

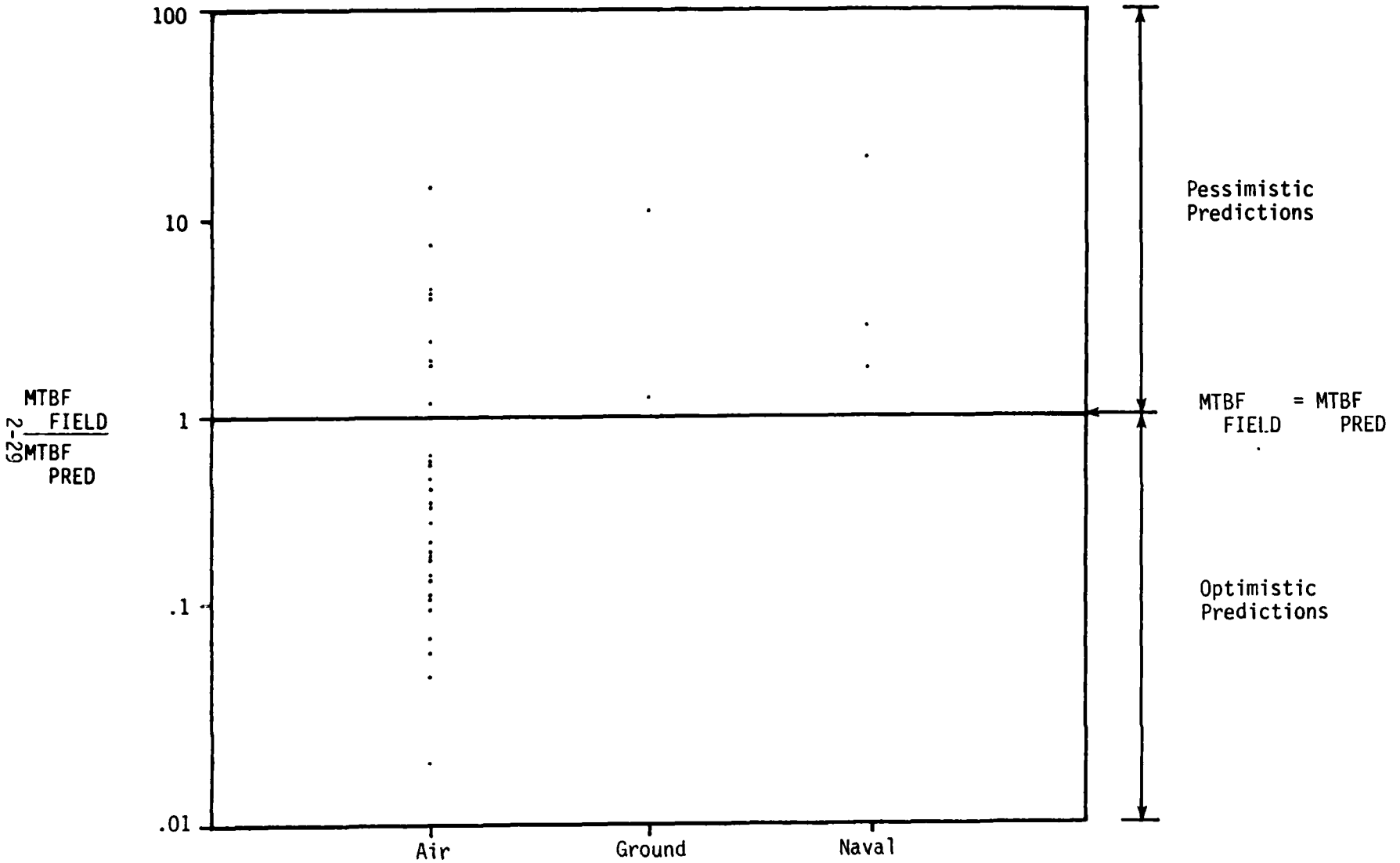


FIGURE 17: COMMUNICATIONS MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

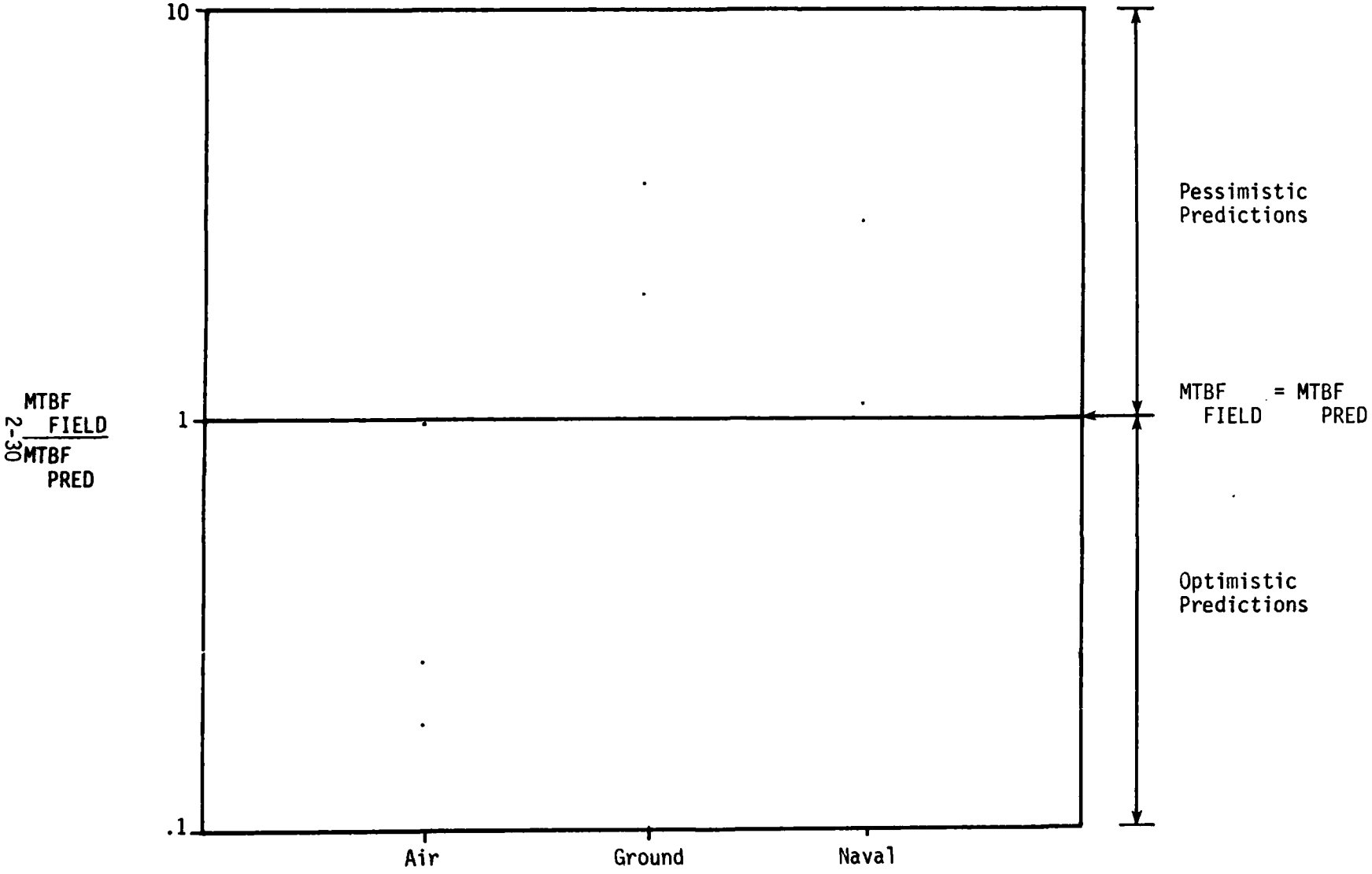


FIGURE 18: COMPUTER MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

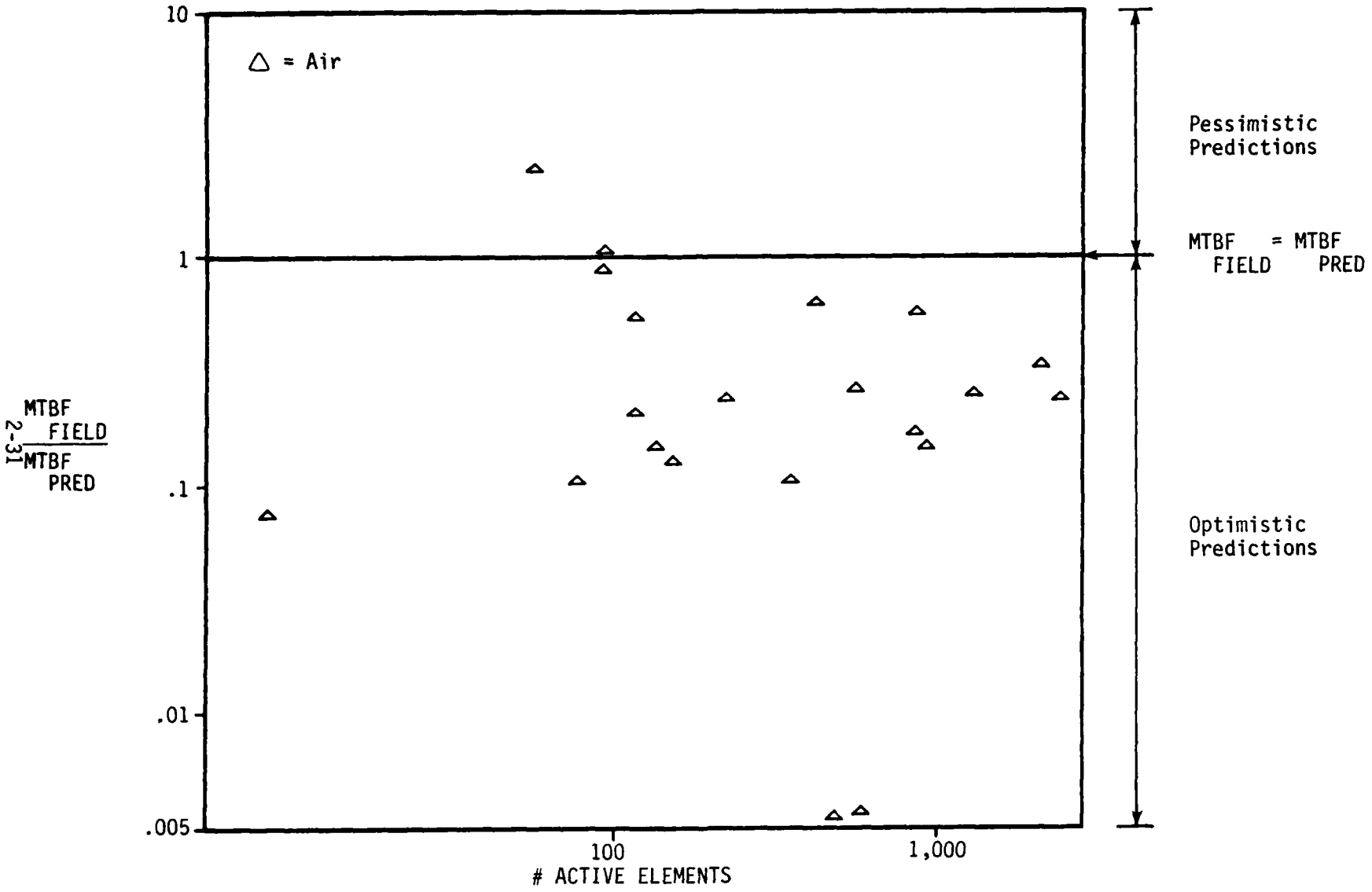


FIGURE 19: CONTROLS/DISPLAYS MTBF RATIOS VERSUS # ACTIVE ELEMENTS

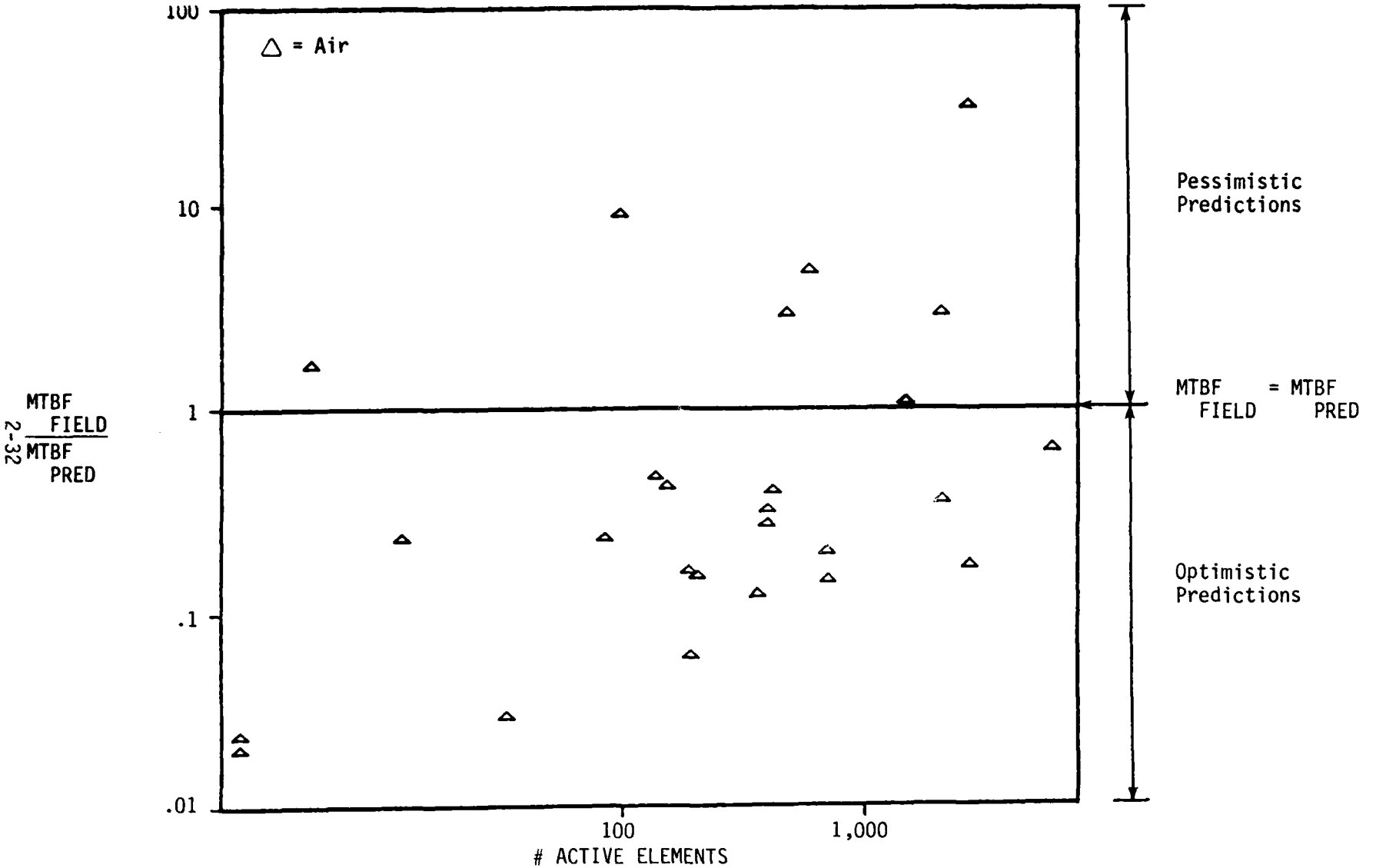


FIGURE 20: ELECTRONIC WARFARE MTBF RATIOS VERSUS # ACTIVE ELEMENTS

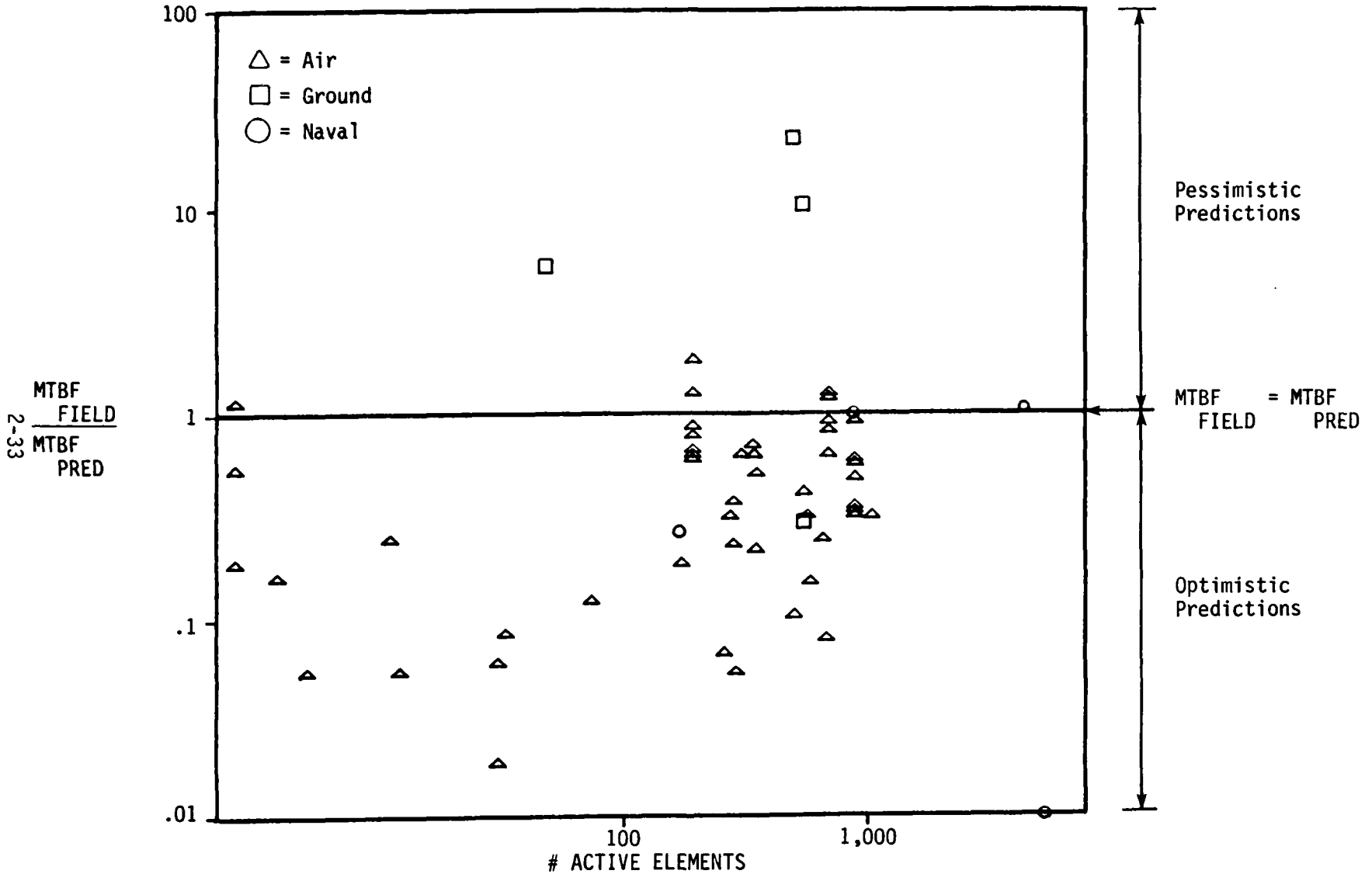


FIGURE 21: GUIDANCE/NAVIGATION MTBF RATIOS VERSUS # ACTIVE ELEMENTS

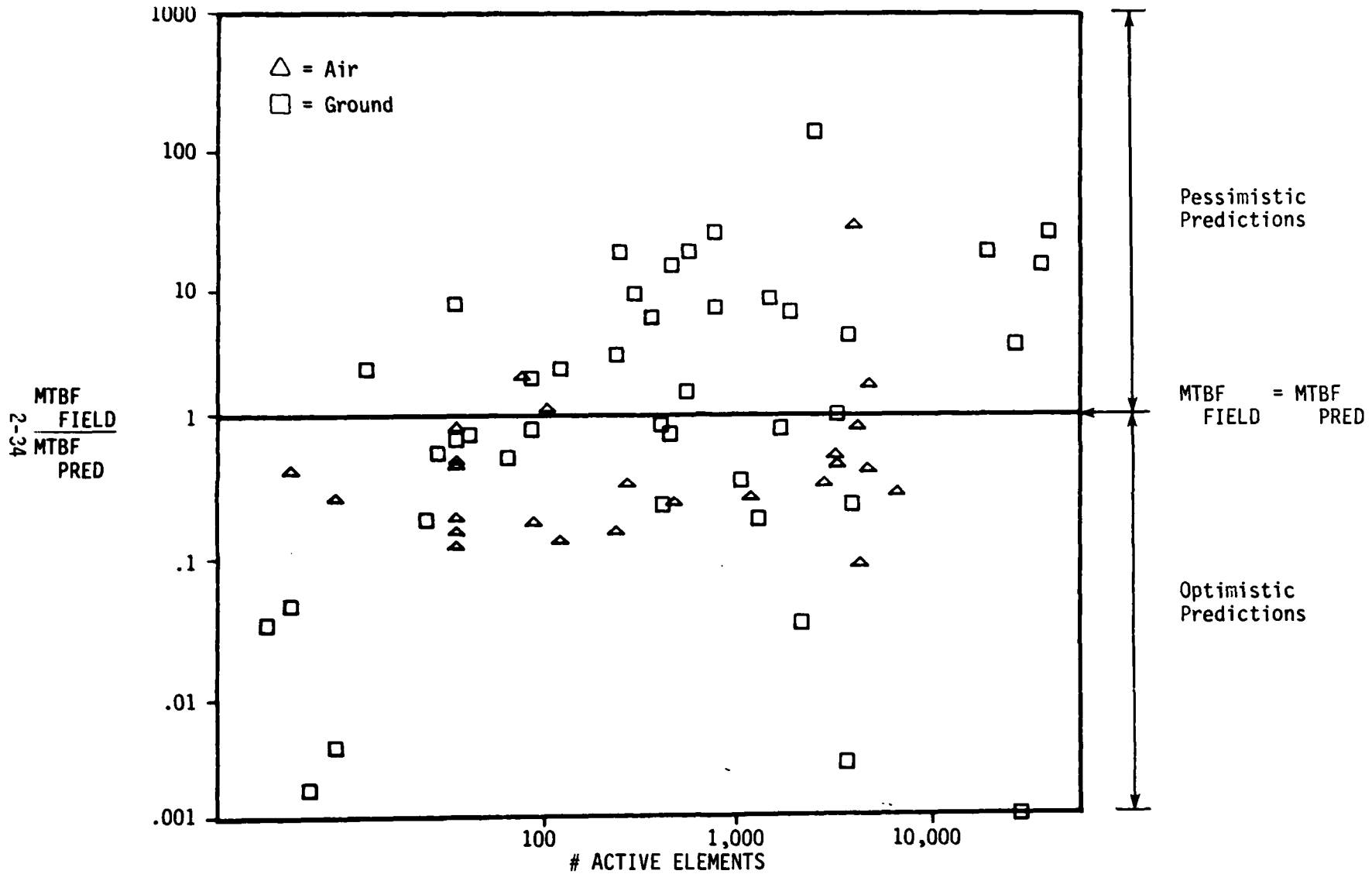


FIGURE 22: RADAR MTBF RATIOS VERSUS # ACTIVE ELEMENTS

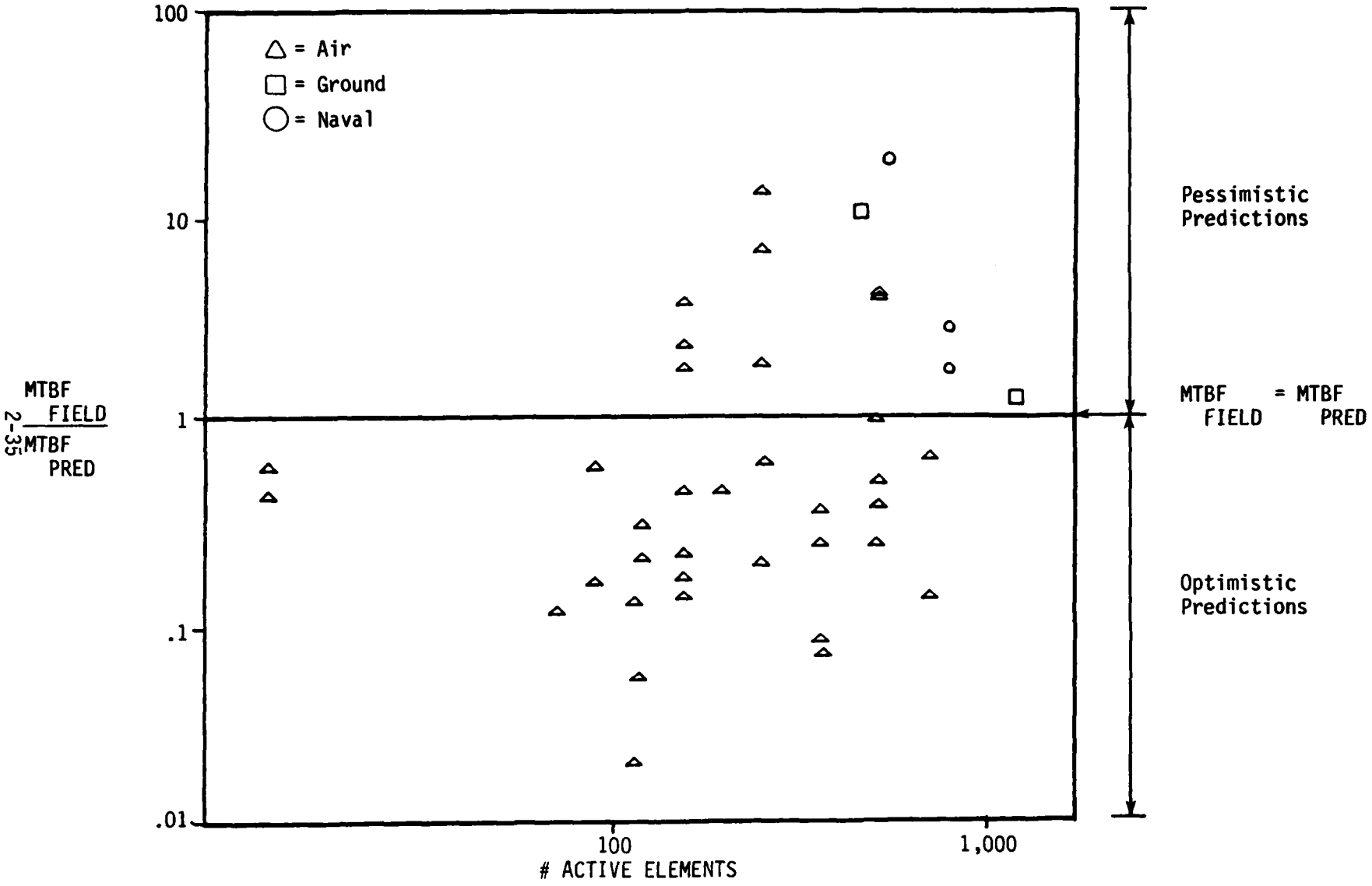


FIGURE 23: COMMUNICATIONS MTBF RATIOS VERSUS # ACTIVE ELEMENTS

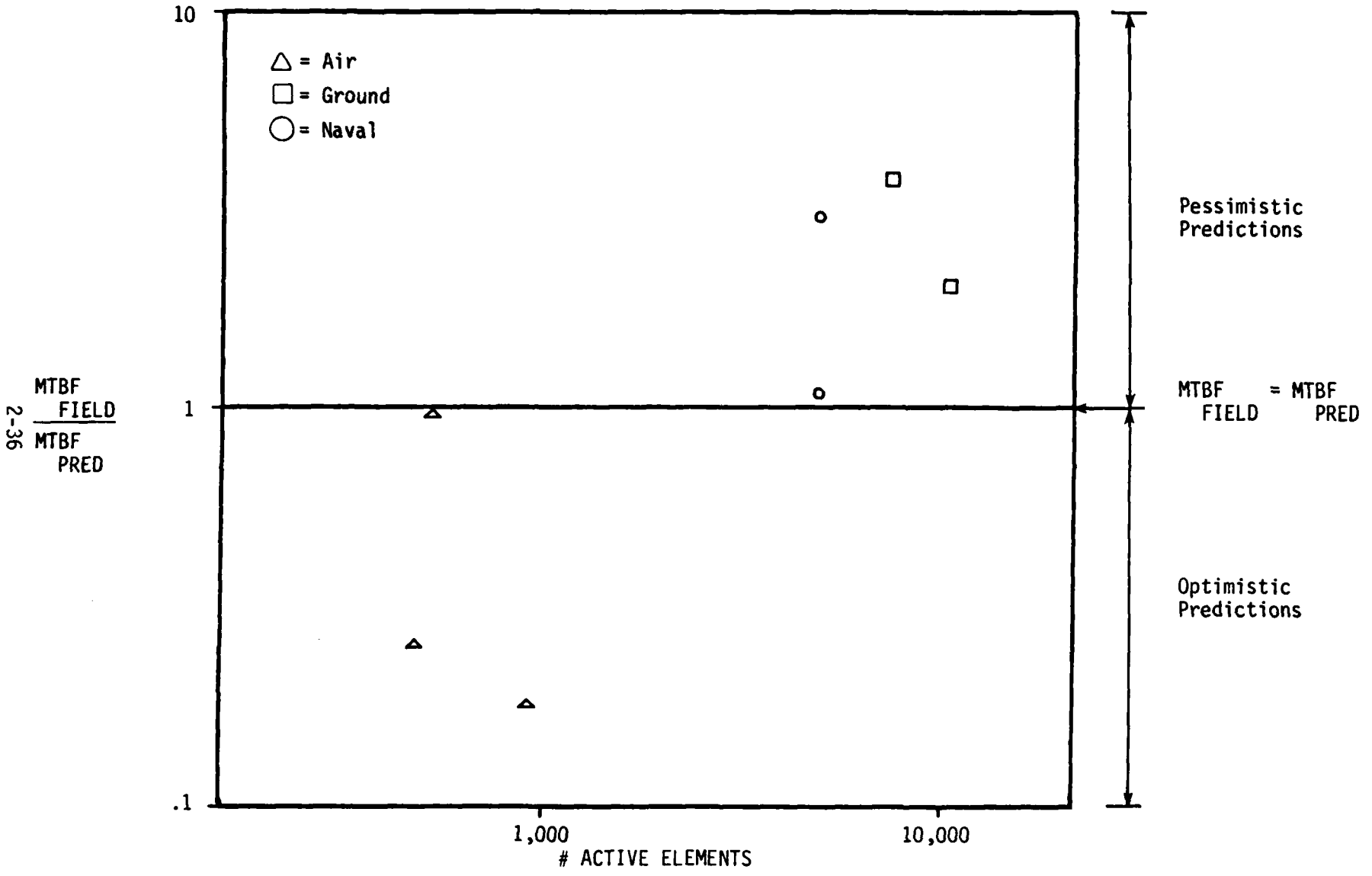


FIGURE 24: COMPUTER MTBF RATIOS VERSUS # ACTIVE ELEMENTS

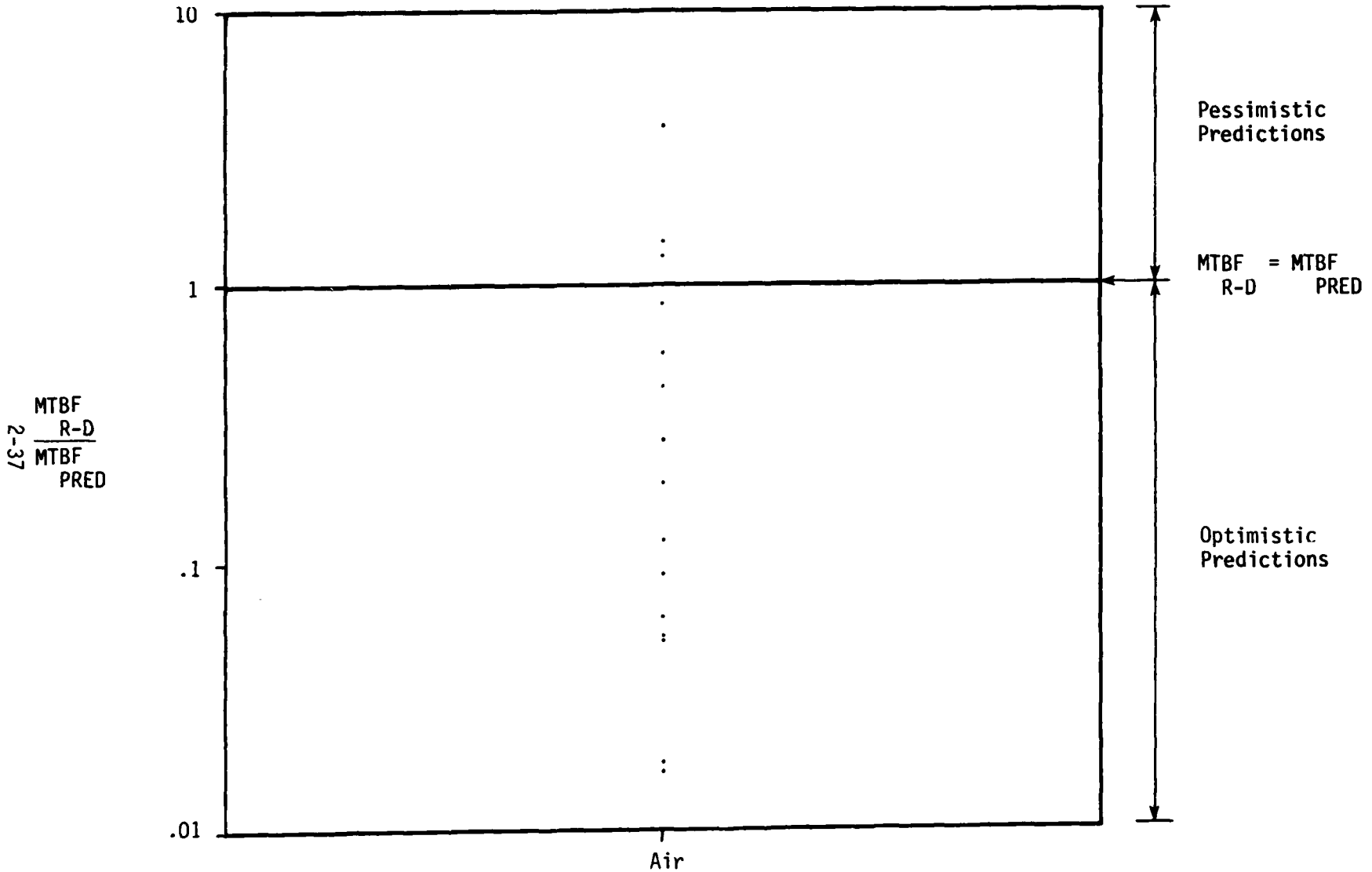


FIGURE 25: CONTROLS/DISPLAYS MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

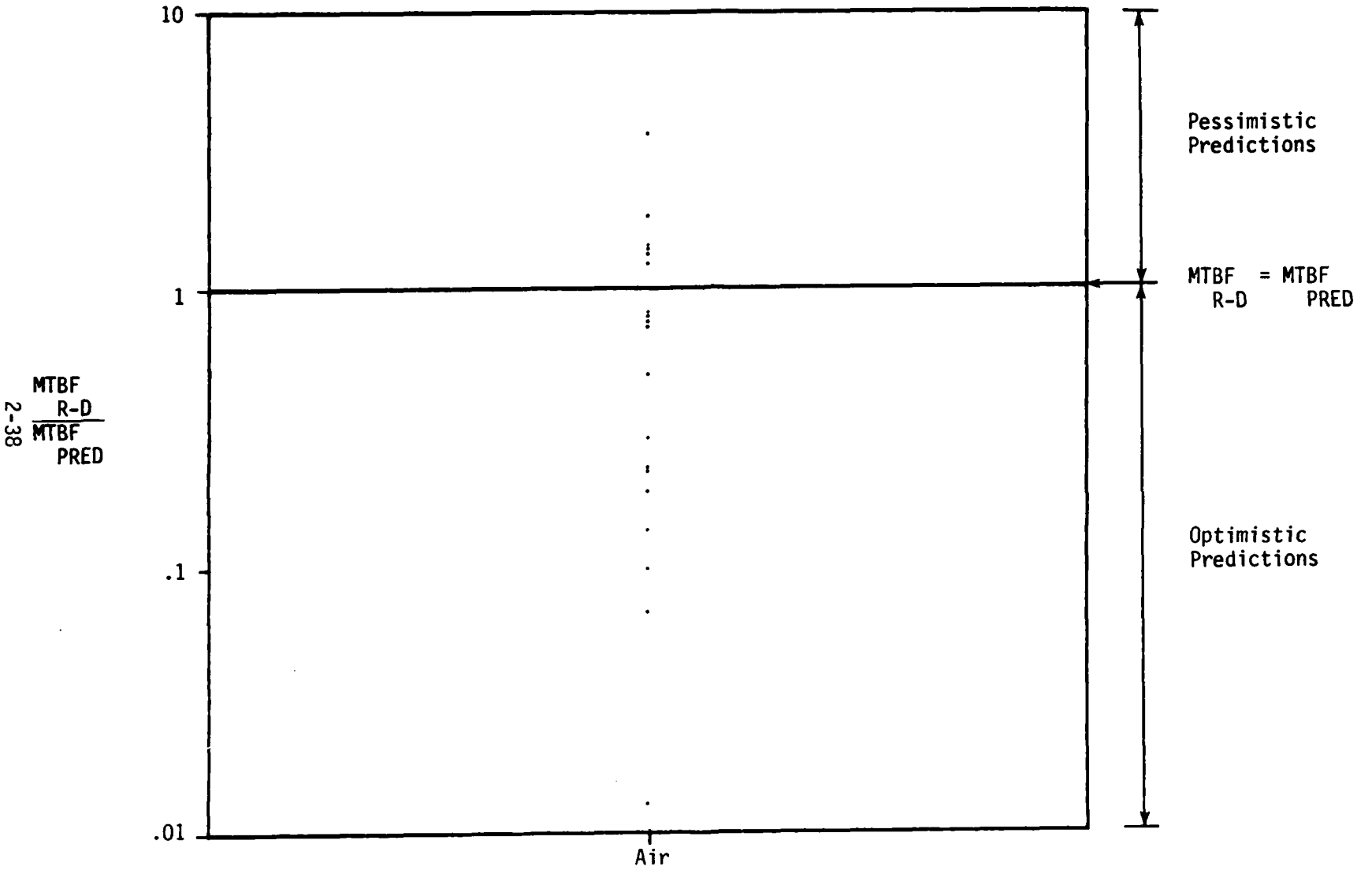


FIGURE 26: ELECTRONIC WARFARE MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

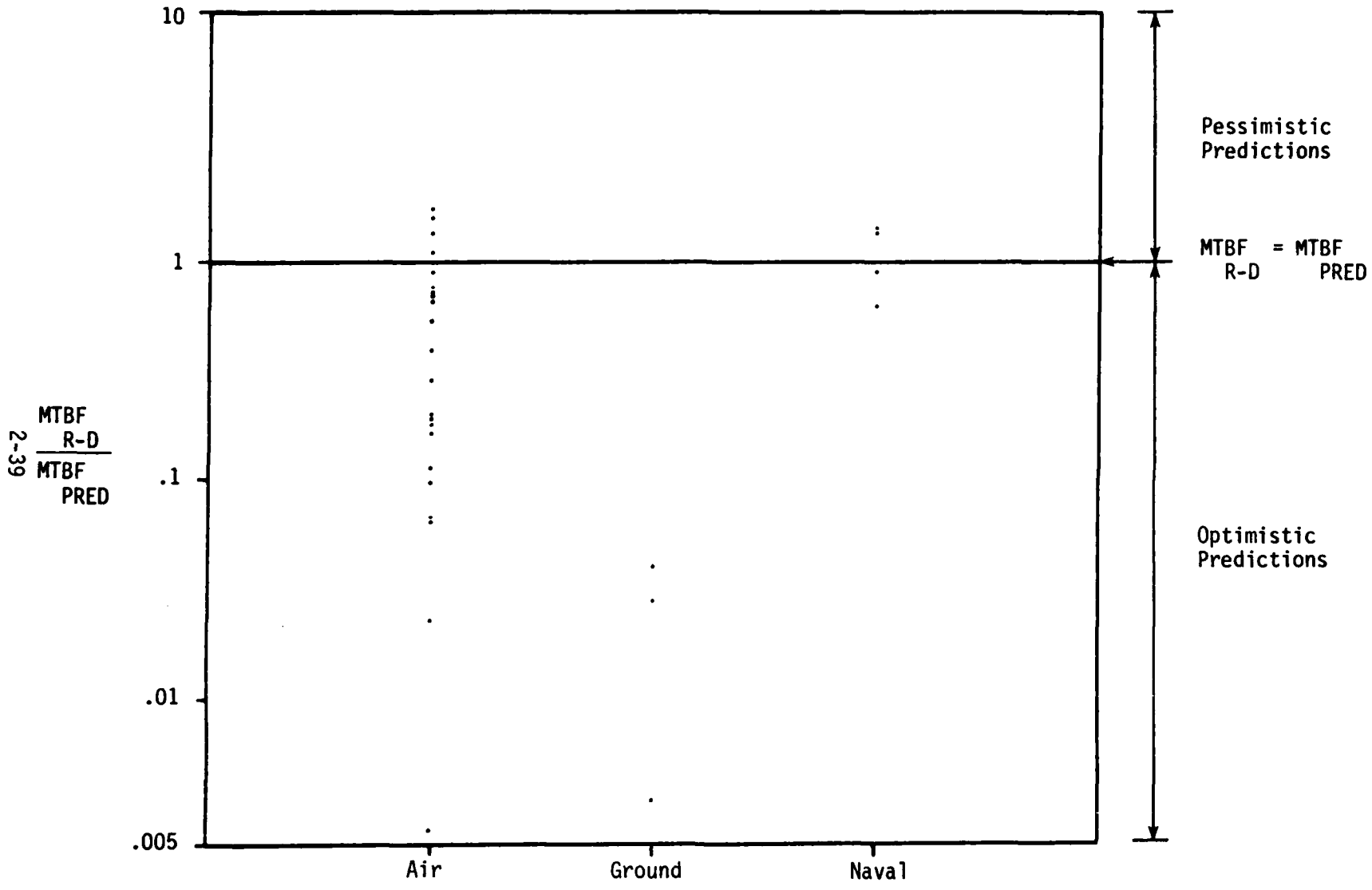


FIGURE 27: GUIDANCE/NAVIGATION MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

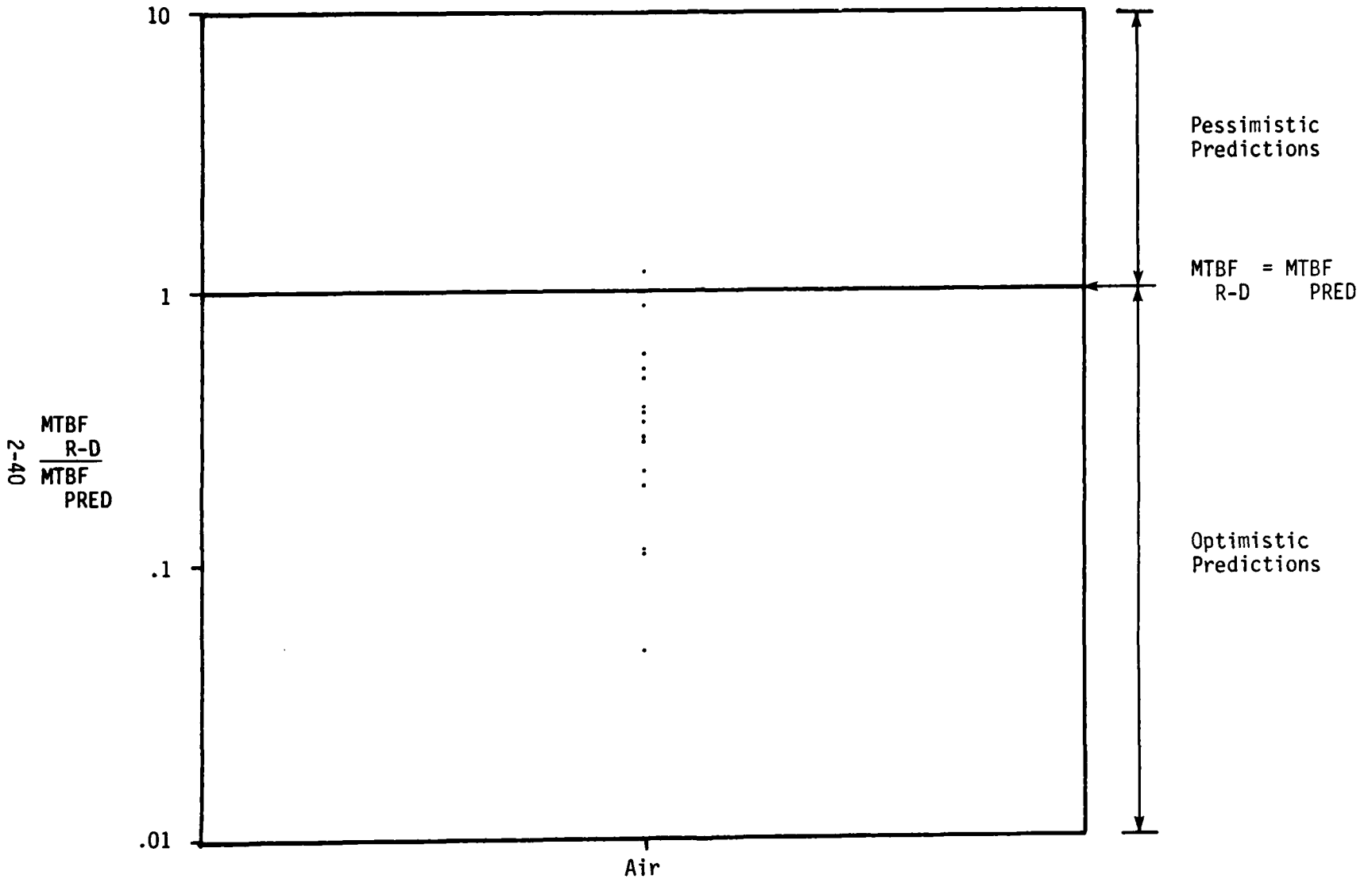


FIGURE 28: RADAR MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

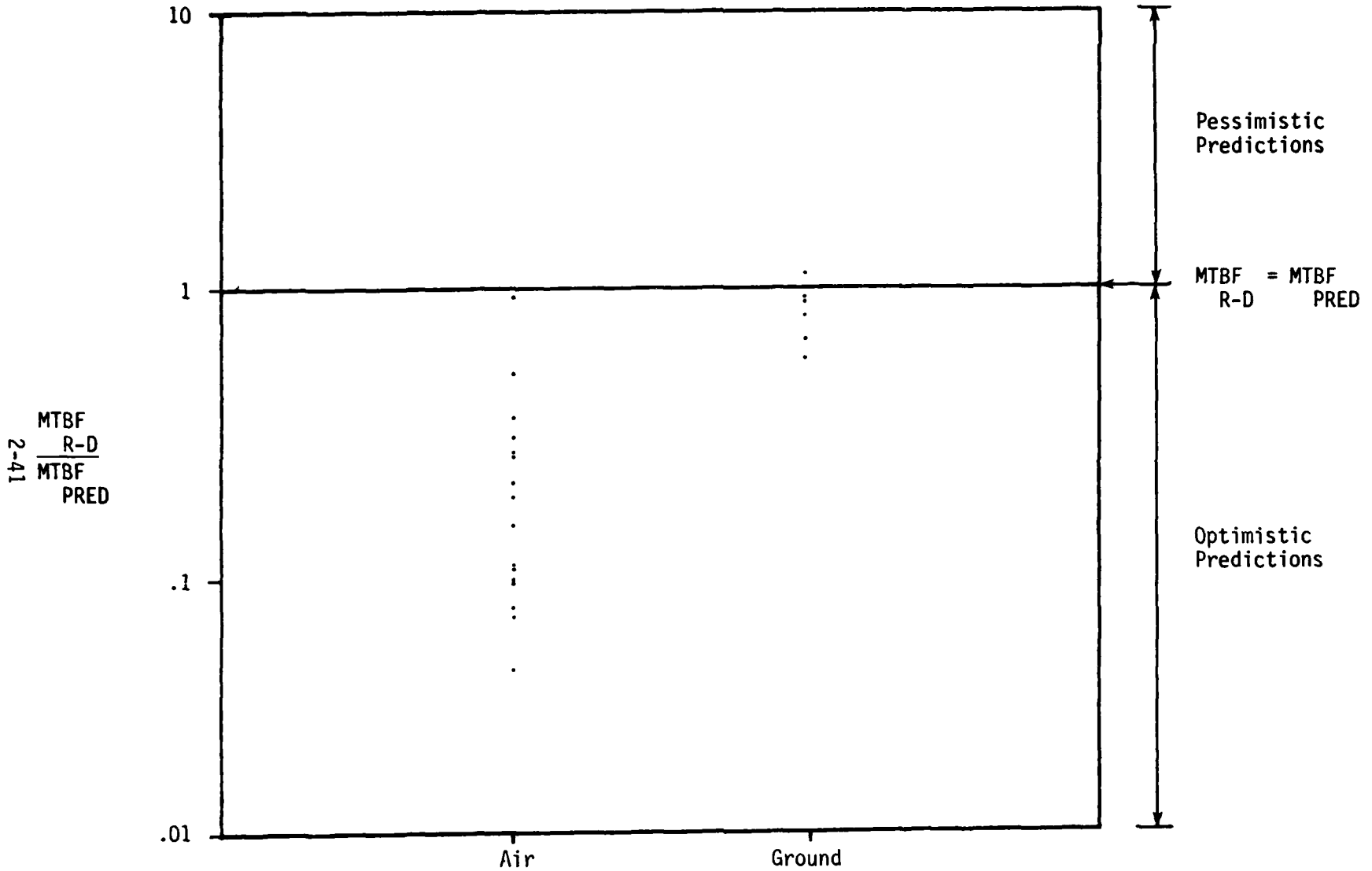


FIGURE 29: COMMUNICATIONS MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

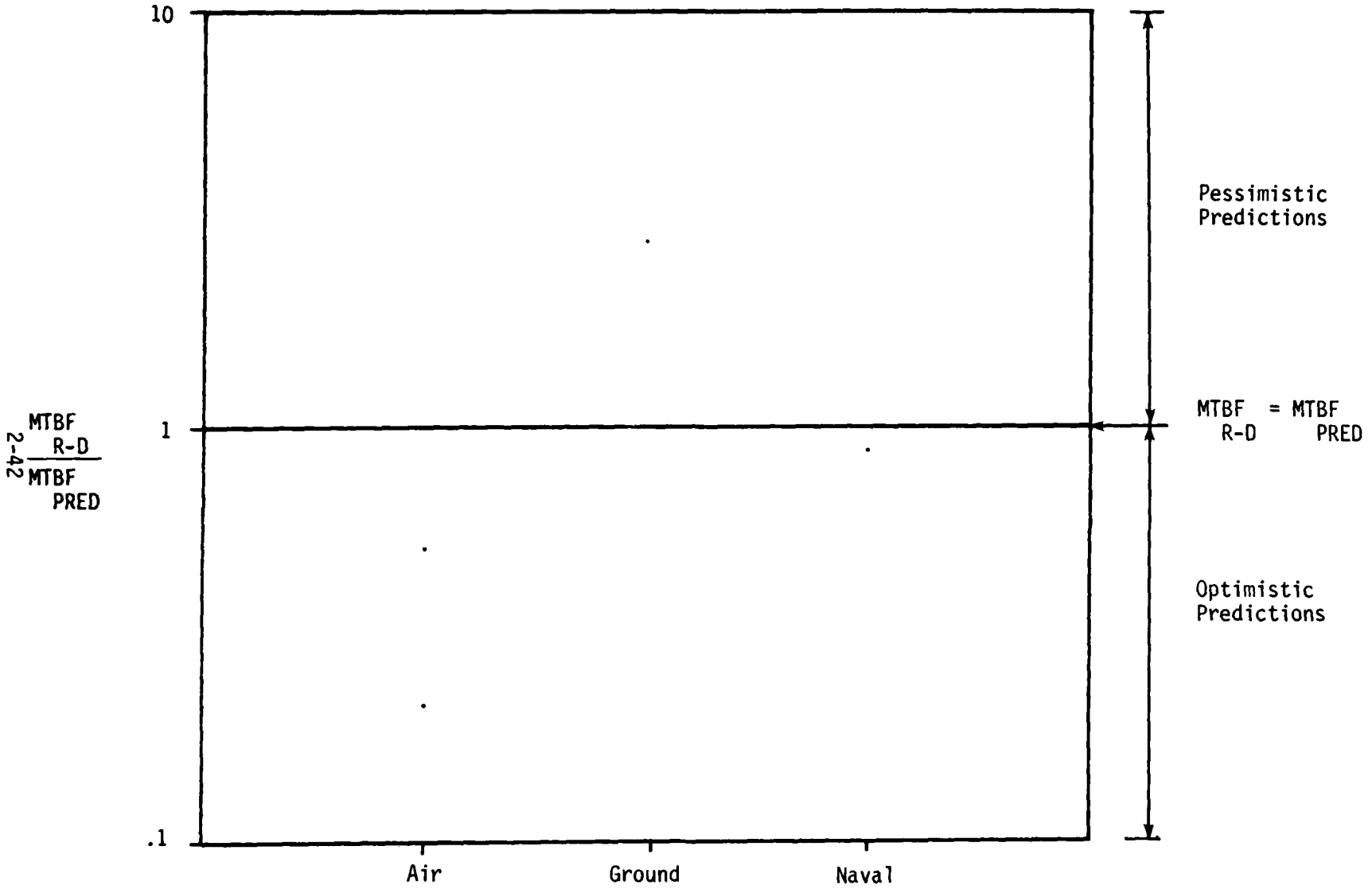


FIGURE 30: COMPUTER MTBF RATIO DISTRIBUTIONS VERSUS ENVIRONMENT

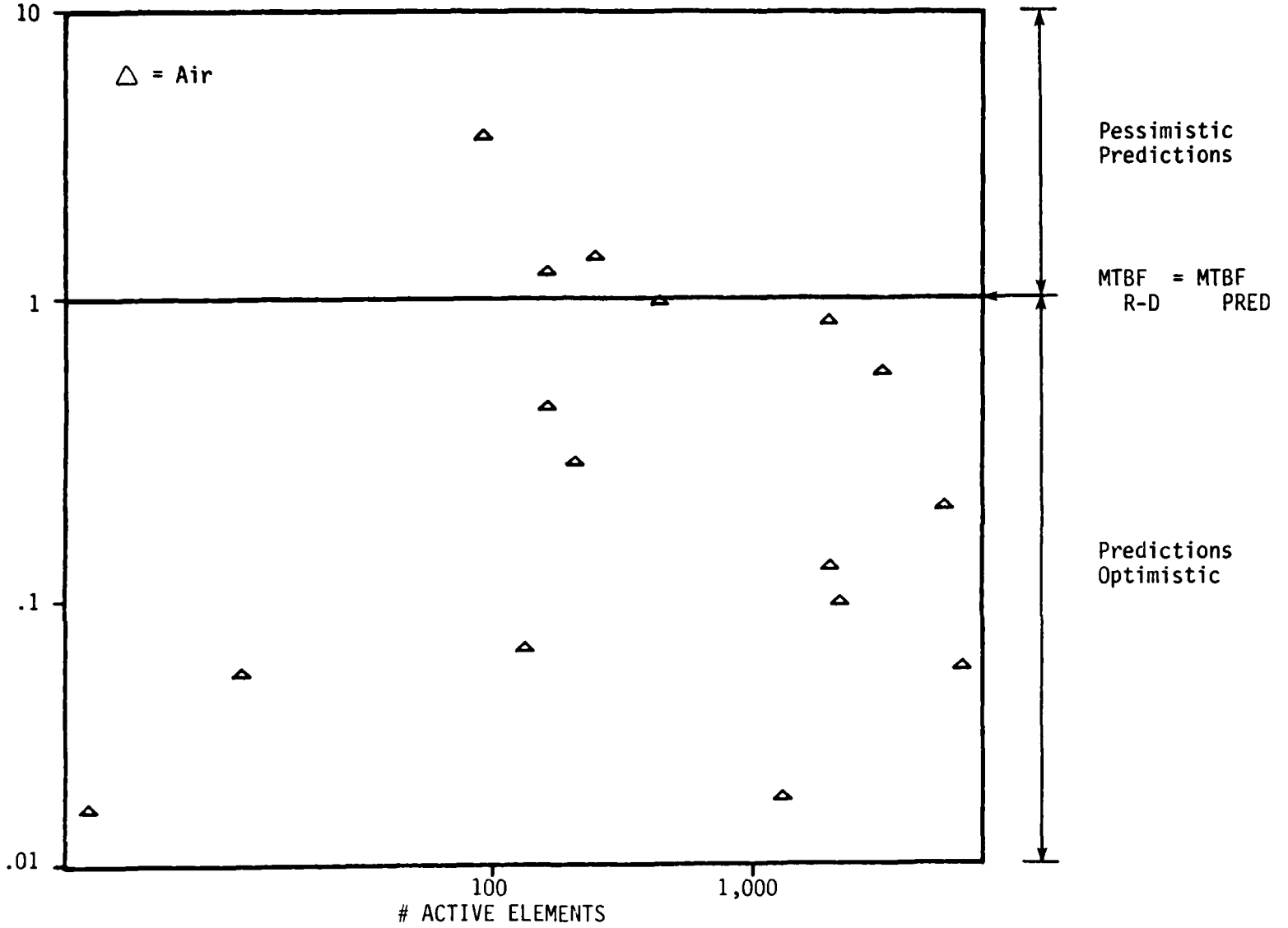


FIGURE 31: CONTROLS/DISPLAYS MTBF RATIOS VERSUS # ACTIVE ELEMENTS

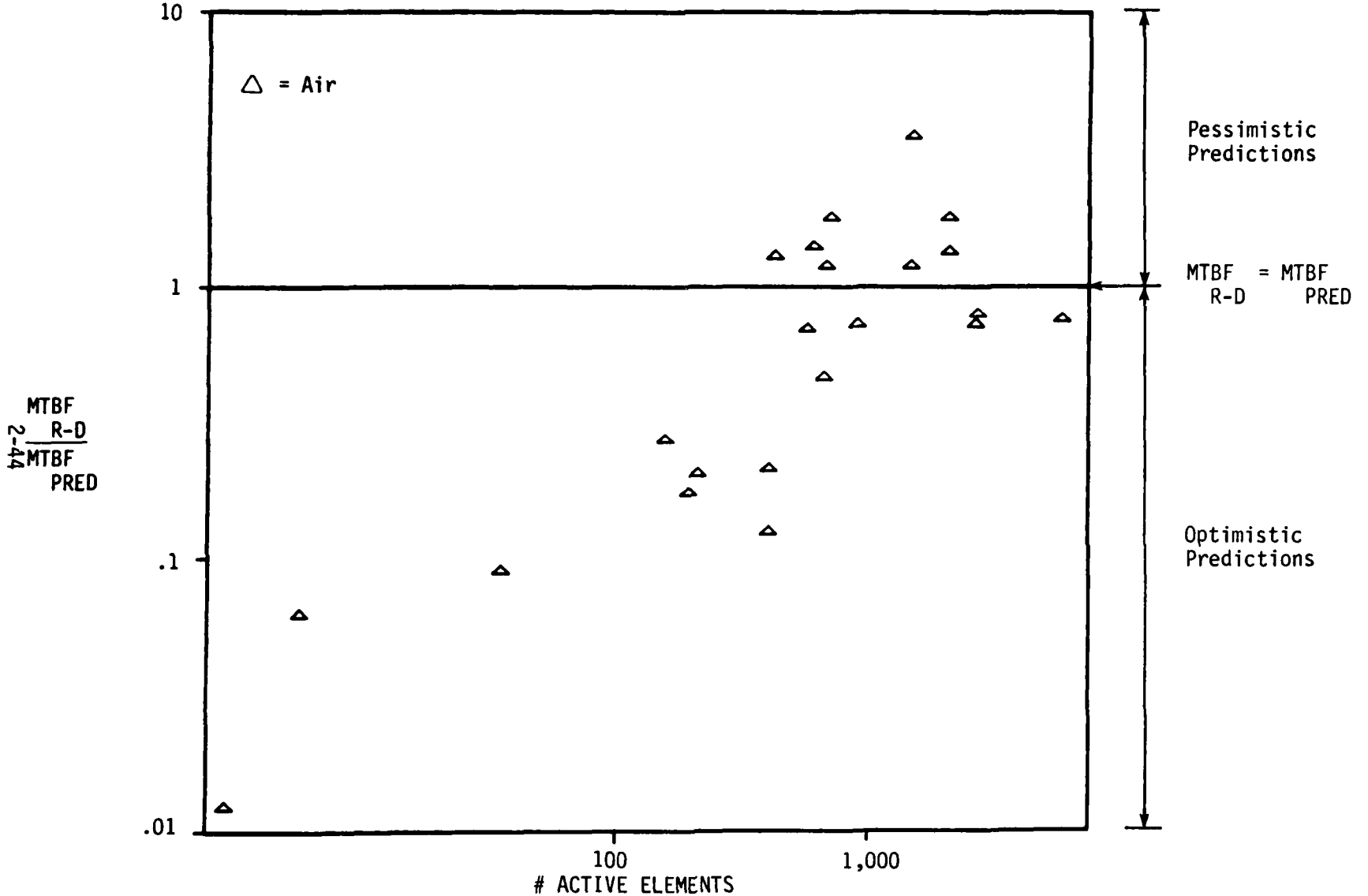


FIGURE 32: ELECTRONIC WARFARE MTBF RATIOS VERSUS # ACTIVE ELEMENTS

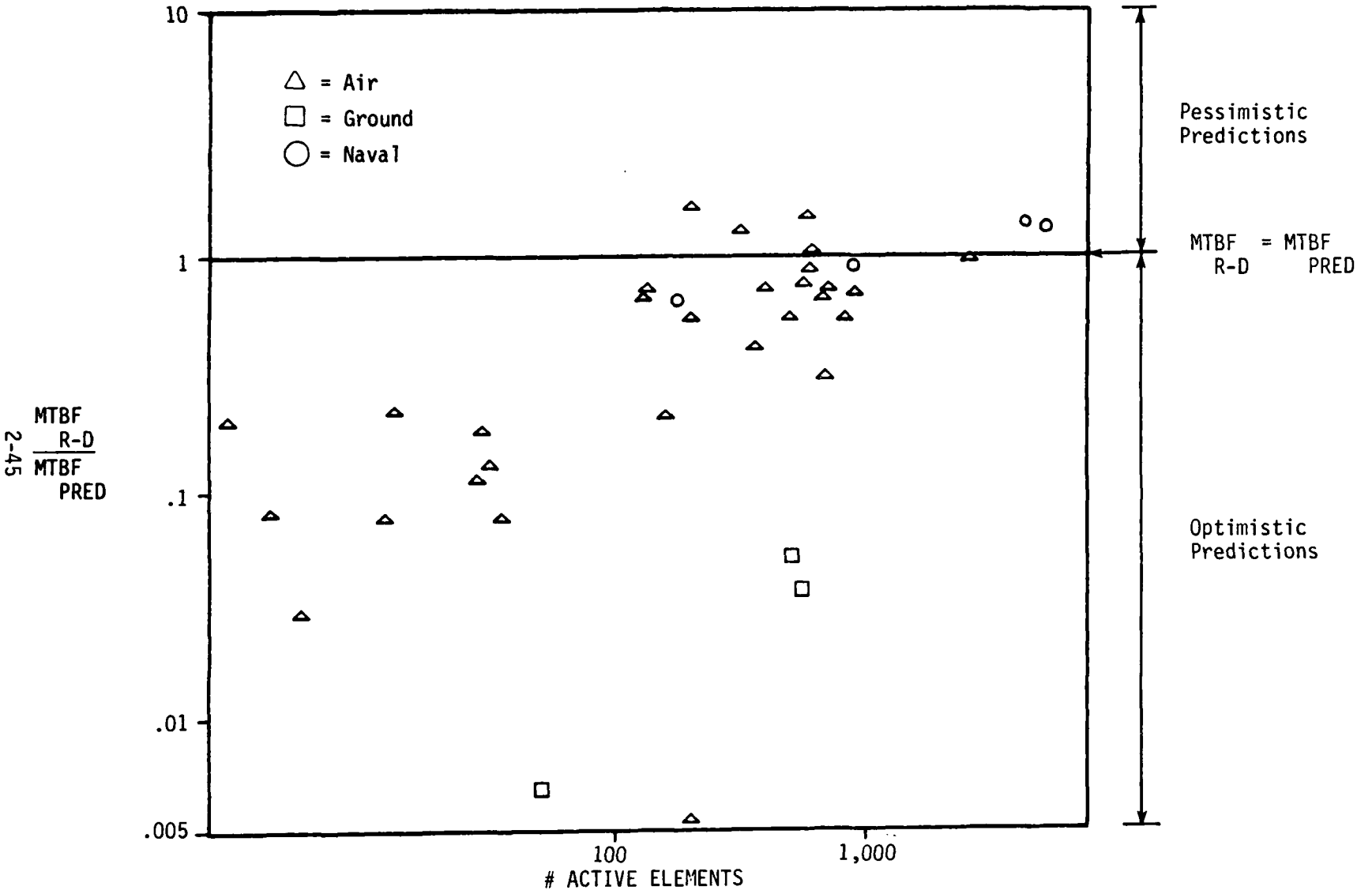


FIGURE 33: GUIDANCE/NAVIGATION MTBF RATIOS VERSUS # ACTIVE ELEMENTS

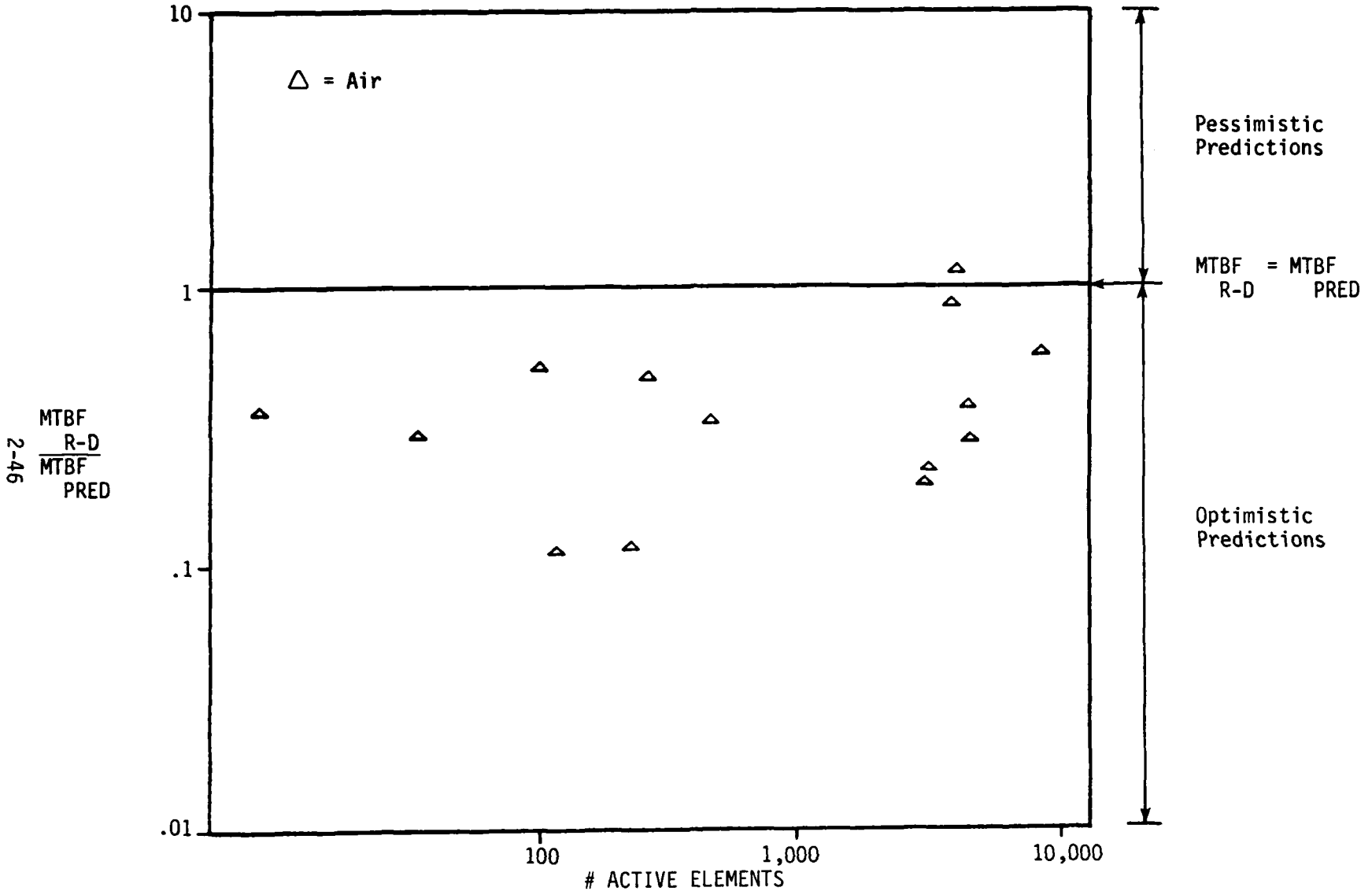


FIGURE 34: RADAR MTBF RATIOS VERSUS # ACTIVE ELEMENTS

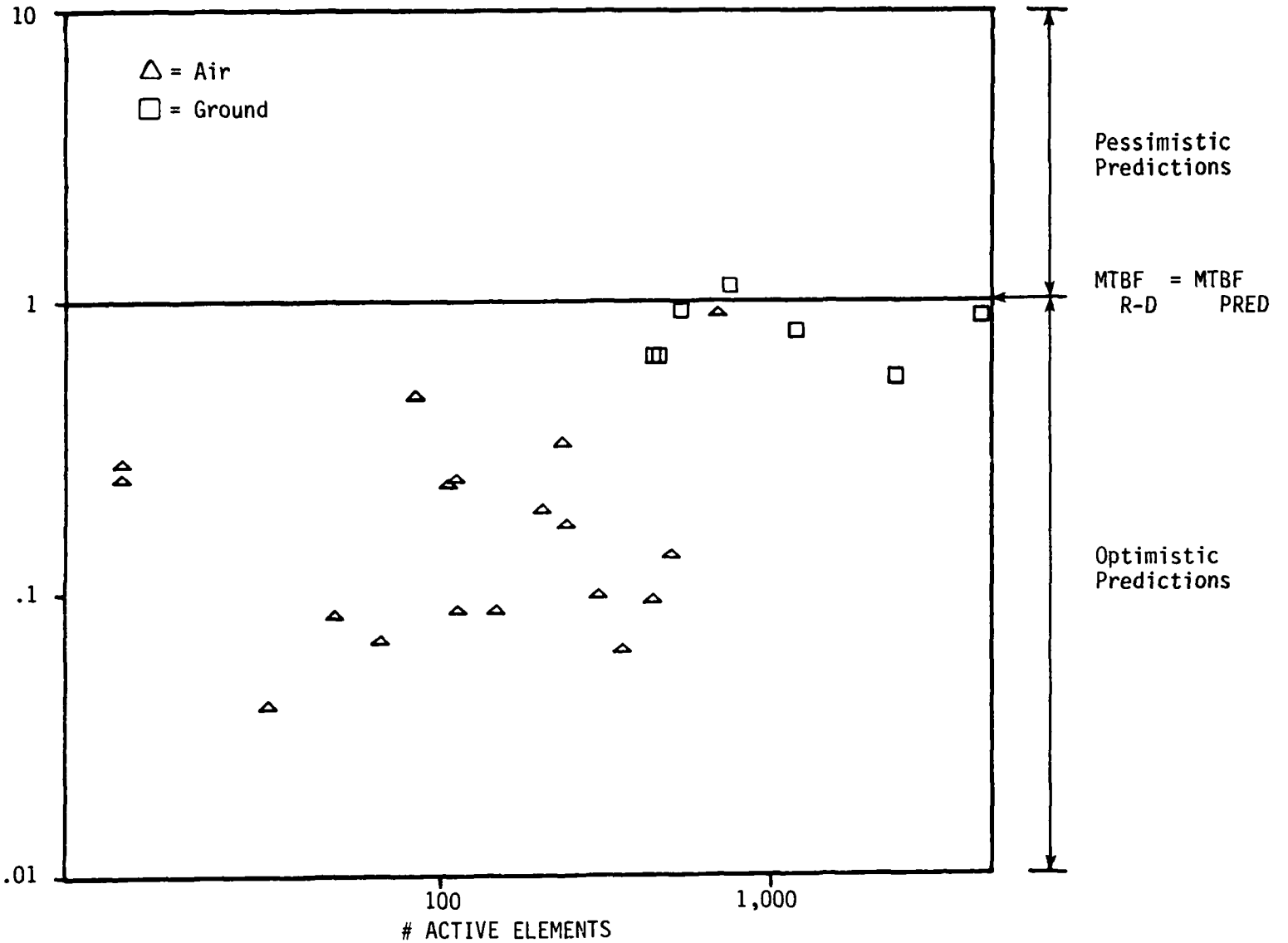


FIGURE 35: COMMUNICATIONS MTBF RATIOS VERSUS # ACTIVE ELEMENTS

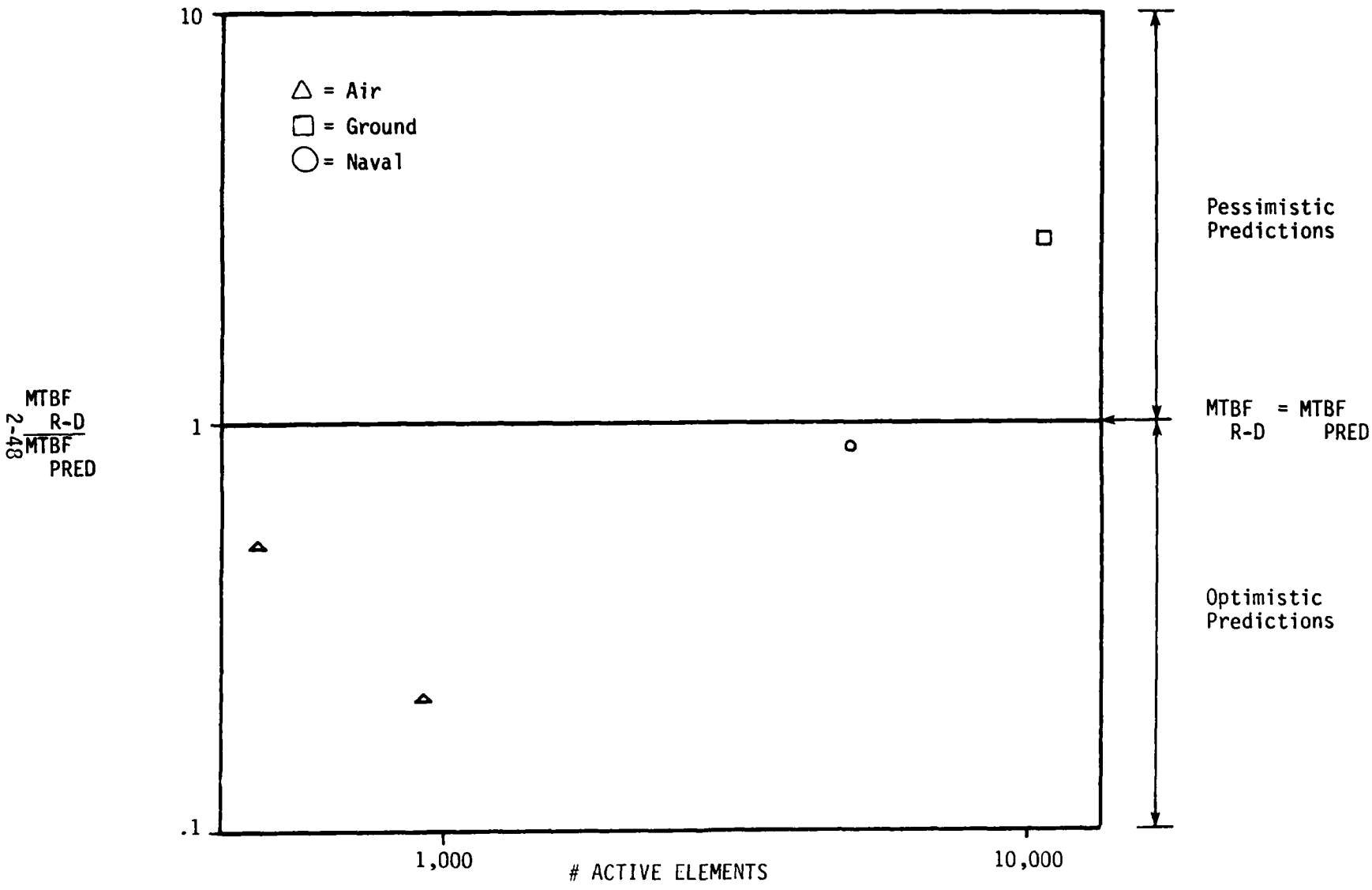


FIGURE 36: COMPUTER MTBF RATIOS VERSUS # ACTIVE ELEMENTS

REGRESSION ANALYSIS

The observations presented here have been made on a subset of the original (entire) data set. The data chosen for review are a compilation of records which were separated from the rest of the data by virtue of being complete records; that is, there is an entry in every field. The original set of data contains records which are complete and those which are lacking pertinent information in various fields due to unavailability. It should be noted that even though the original data set contains many more records, the increase in volume does not reflect higher-quality data due to the corresponding increase in missing data items. The analysis revealed, as expected, that the larger data set more often resulted in inconsistencies and regression solutions which were inconclusive; consequently, those results were eliminated from the report.

Objectives

The objectives of the regression analysis were to identify and quantify observed trends relating the reliability numerics to each other and to significant design and/or application stress variables. Specifically, the objectives of the regression analysis were to:

(1) Relate the observed field MTBF to the predicted MTBF

(2) Develop a relationship to predict field MTBF as a function of equipment-level design and application variables (and independent of predicted MTBF)

(3) Relate the observed reliability demonstration MTBF to the predicted MTBF

(4) Develop a relationship to predict reliability demonstration MTBF as a function of equipment-level design and application variables (and independent of predicted MTBF)

(5) Relate the observed field MTBMA to the observed field MTBF

(6) Develop a relationship to forecast the MIL-HDBK-217 predicted MTBF as a function of design and application variables to investigate the sensitivity of the MIL-HDBK-217 prediction and to develop a simple model useful for "quick" failure rate predictions

The tables and explanations in the following paragraphs present the results of the regression analyses and describe the implications of the regression results.

The equations formulated from the regression analysis are presented in Tables 2 through 6, as well as throughout the text. The tables present the dependent variable, the regression solution and the R^2 value (as defined in Section 1). Several of the regression equations were found to account for relatively small percentages of the overall variability (evidenced by low R^2 in some cases). This is believed to have been caused by the complexity of the relations between reliability and its related factors; and by noise in the data. These phenomena tend to preclude the existence of simple yet accurate equipment level models. It is also likely that some subtle reliability influences are not detectable in this data, which further adds to the unexplained variability ($1-R^2$). As an overall caveat, these results should be regarded as tentative where the R^2 values are lower than standard statistical practice.

Observed Field MTBF vs. Predicted MTBF

The analysis begins with the investigation of field failure data and the role that prediction models play in forecasting the reliability of a system under actual operating conditions. A basic linear equation was developed to examine the relationship between MTBF values derived from formal prediction methods and those from field observations. The initial equation was then modified using mathematical transformations (i.e., logarithms, reciprocals) to provide some comparison alternatives and to establish an expression with the most powerful interpretive value for this study. Table 2 is composed of the resultant equations which show the regression solutions when field MTBF is evaluated in relation to predicted MTBF.

TABLE 2:

FIELD MTBF VERSUS PREDICTED MTBF

REGRESSION NUMBER	DEPENDENT VARIABLE	EQUATION	R^2
1	$MTBF_{FIELD}$	$2331 + 0.2391(MTBF_{PRED})$	.53
2	λ_{FIELD}	$796.7 + 2.023(\lambda_{PRED})$	.70
3	$MTBF_{FIELD}$	$7.597(MTBF_{PRED})^{0.6196}$	.46

The equation given in the form of field failure rate (λ_{FIELD}) (i.e., the reciprocal of field MTBF) versus predicted failure rate (λ_{PRED}) provided a line representative of the best fit to the data with an R^2 value of 70 percent. The actual equation indicates that the field failure rate is expected to be greater than the predicted failure rate by roughly a factor of two. To emphasize the significance of this finding, consider the use of this result as an adjustment factor to arrive at a more accurate field reliability prediction.

The expression is as follows:

$$\lambda_{FIELD} = 796.7 + 2.023(\lambda_{PRED})$$

Additional variables were then introduced into the simple two-dimensional model to determine whether meaningful improvements in model accuracy could be made. Initially, the analysis considered the effects of system function on failure rate. The system function for this study has been defined as equipment category-type. Five different categories were investigated, i.e., Communications, Radar, Electronic Warfare, Controls/Displays and Guidance/Navigation. The impact that the category (system function) had on field reliability was found to be minimal. The best model to describe this effect is given by the equation of field failure rate (λ_{FIELD}) as a function of category and predicted failure rate (λ_{PRED}). The incorporation of equipment function as the second independent variable revealed only a marginal increase of three percent in the correlation characteristic (R^2 coefficient) of the model. The results indicate that equipment category-type is not a leading indicator or predictor of field performance.

Similar results were found throughout the analysis to indicate that equipment function has no appreciable effect on field reliability. This was not considered unusual, however, due to several factors. First, there was a large variability in the equipments reviewed. The wide range of equipment complexities prevented the determination of meaningful "functional factors" (i.e., multiplicative or additive adjustment factors to account for equipment function) because the distribution of complexities was not similar for the functional category groups. Second, the predicted MTBF accounts for many of the characteristics of specific functional applications which are thought to influence reliability. For example, the MIL-HDBK-217 factors for derating, part application, complexities and environment are mathematical tools used to assess much of the difference between functional groups. Therefore, after predicted MTBF has been introduced into the regression as a significant factor, much of the anticipated effect of functional category had already been accounted for.

Observed Field MTBF vs. Design/Application Variables

Table 3 presents regression solutions which were developed independent of the MIL-HDBK-217 reliability prediction to specifically examine the influence that other variables impose on field reliability. The results of this investigation were equipment-level reliability prediction models. As expected, the accuracy of these models was much less than those models which included the predicted MTBF as an input variable (Table 2).

TABLE 3:

FIELD MTBF RELATIONSHIPS (INDEPENDENT OF PREDICTED MTBF)

REGRESSION NUMBER	DEPENDENT VARIABLE	EQUATION	R^2
1	λ_{FIELD}	$-220.9 + 5.820(\#\ \text{Active Elements})$	.23
2	$MTBF_{FIELD}$	$3432(\#\ \text{Active Elements})^{-0.1830}$	.12
3	$MTBF_{FIELD}$	$25397 \begin{cases} 1 & \text{Ground} \\ 0.0451 & \text{Air} \end{cases}$	.21
4	$MTBF_{FIELD}$	$103207 \begin{cases} 1 & \text{Ground} \\ 0.0305 & \text{Air} \end{cases} (\#\ \text{Active Elements})^{-0.2197}$	.39
5	λ_{FIELD}	$1833 + \begin{cases} 0 & \text{Communications} \\ 17491 & \text{Radar} \\ 727.9 & \text{Electronic Warfare} \\ 374.9 & \text{Controls/Displays} \\ -348.7 & \text{Guidance/Navigation} \end{cases}$	.17

The reliability of a system or equipment is dependent upon the number of active elements contained within that system/equipment. Since each component has an inherent reliability unique to itself, it should follow that the greater the number of operational components the greater the impact on reliability. The equations formulated to determine the correlation characteristics attributable to the effects of active elements were evaluated with and without the use of natural log transformations. Equations 1 and 2 in Table 3 present these results. The linear failure rate model is, however, limited in its interpretations to large values of the active element count in order for the results to be meaningful. At low values of active elements the equation assumes negative values, which is, of course, incorrect. This apparent inconsistency is not unusual for observed empirical relationships. Empirical relationships are only valid for the range of values found in the data, and it is invalid to extrapolate beyond that range. An advantage of using log transformations is that the dependent variable will never assume a negative value.

The best fit regression equation relating the number of active elements to field reliability is of the following form:

$$\lambda_{FIELD} = -220.9 + 5.820(\#\ \text{Active Elements})$$

Application environment was the next variable introduced into the analysis. The environment is a factor which is often investigated to determine its degree of impact on reliability. As expected, the results obtained from this study indicate that environment affects field reliability. Interpretation of the regression results establishes field MTBFs for ground equipment as being 22 times higher than airborne MTBFs. Equation 3 in Table 3 presents the regression solution with environment acting alone as the independent variable. Equation 4 presents the results of a multivariate regression with both environment and active element count as significant variables affecting field MTBF. Although the collected System RAM Data Base includes other environments (e.g., naval), there was an insufficient quantity of complete data records to yield meaningful results.

This effort to examine the alternative relationships which exist among the various elements associated with field reliability indicates that, clearly, the greatest correlation to the data can be explained by the presence of the predicted MTBF variable. The number of active elements was identified as the next most significant factor which influences field reliability. A combination of these two independent variables (active elements and predicted failure rate) were evaluated simultaneously to determine if the previous independent effects might be affected by the merger of the two. The evaluations performed on each of the variables independent of one another established that the weight of the predicted data was greater than the number of active components as a determinant of the failure rate. The combination of both of these factors in one equation does not appreciably affect the degree of correlation attributable to that of just the predicted values. This is the expected result and seems to justify the practice of formally predicting the reliability of equipment using a part stress analysis.

Demonstrated MTBF vs. Predicted MTBF

The next stage of the data analysis was to study reliability demonstration test data and investigate the correlation results when compared with predicted data. The analysis provided the most significant correlation (R^2 of .90) with a failure rate equation. These findings are similar to those reported for the observed field reliability, where the optimum expression was also found to be in the form of a linear failure rate model. Reliability demonstration test data are derived from more tightly controlled operational and environmental conditions than are field data; consequently, the variability in this data set is considerably reduced as compared to the field data set. Similarities indicated in the results, however, establish a confidence in performing formal predictions and demonstration tests to effectively assess the corresponding field reliability. Table 4 contains the expressions derived illustrating the correlation between reliability demonstration MTBF and predicted MTBF.

TABLE 4:
RELIABILITY DEMONSTRATION MTBF
VERSUS PREDICTED MTBF

REGRESSION NUMBER	DEPENDENT VARIABLE	EQUATION	R^2
1	$MTBF_{R-D}$	$2066.3 + 0.0015(MTBF_{PRED})$	$< .01$
2	$MTBF_{R-D}$	$34.65(MTBF_{PRED})^{0.4194}$	.33
3	λ_{R-D}	$-1211.52 + 4.186(\lambda_{PRED})$	.90

Demonstrated MTBF vs. Design/Application Variables

The investigation of demonstrated MTBF versus design and application variables was conducted in two phases. First, additional variables were introduced into the simple linear model (of demonstrated MTBF versus predicted MTBF) to determine whether meaningful improvements could be made in prediction accuracy. Second, demonstrated MTBF was modeled as a function of design and application variables independent of predicted MTBF.

Table 5 provides the expressions developed to evaluate the impact of additional variables on demonstrated reliabilities. Using a stepwise regression process additional independent variables were introduced into the two-dimensional model (i.e., Reliability Demonstration MTBF vs. Predicted MTBF) to determine their impact on the demonstration test results. Small deviations in the R^2 coefficient were experienced with the introduction of the independent variables, such as active elements or equipment function; however, the predicted MTBF consistently yielded the greatest influence on the degree of correlation in any of the models.

The strong predicted and demonstrated reliability relationship is further emphasized when the correlation characteristics between reliability demonstration data and active elements, equipment category and environments are examined independent of the predicted data. Conclusions drawn from the equations given in Table 6 indicate that a relatively smaller impact on demonstrated equipment reliability is accounted for by any one or all of these independent variables.

Field MTBMA vs. Field MTBF

The scope of the analysis deviates from the previous discussion by examining the trends associated with the two types of field data contained in the report. Analytical investigations were performed on

TABLE 5:
ADDITIONAL VARIABLE IMPACT ON
RELIABILITY DEMONSTRATION MTBF

REGRESSION NUMBER	DEPENDENT VARIABLE	EQUATION	R^2
1	$MTBF_{R-D}$	$2436 + 0.0078(MTBF_{PRED}) - 0.4568(\#\ \text{Active Elements})$	.07
2	$MTBF_{R-D}$	$171.06(MTBF_{PRED})^{0.3217}(\#\ \text{Active Elements})^{-0.1529}$	.36
3	λ_{R-D}	$89.72 + 4.38(\lambda_{PRED})^{-1.98}(\#\ \text{Active Elements})$	.91
4	$MTBF_{R-D}$	$12.78(MTBF_{PRED})^{0.5478}$ { 1 Communications; 1.136 Radar; 0.9935 Electronic Warfare; 0.5073 Controls/Displays; 1.584 Guidance/Navigation }	.57

TABLE 6:

RELIABILITY DEMONSTRATION MTBF RELATIONSHIPS

(INDEPENDENT OF PREDICTED MTBF)

REGRESSION NUMBER	DEPENDENT VARIABLE	EQUATION	R^2
1	$MTBF_{R-D}$	$2330(\#\ \text{Active Elements})^{-0.1607}$	.16
2	λ_{R-D}	$-22.69 + \begin{cases} 0 & \text{Communications} \\ 16567 & \text{Radar} \\ -4233 & \text{Electronic Warfare} \\ 1120 & \text{Controls/Displays} \\ 1877 & \text{Guidance/Navigation} \end{cases} + 6.200(\#\ *AE)$	.17
3	$MTBF_{R-D}$	$1675 \begin{cases} 1 & \text{Ground} \\ 1.403 & \text{Air} \end{cases} (\#\ \text{Active Elements})^{-0.1572}$	.17

*Active Elements

field maintenance data ($MTBMA_{FIELD}$) and observed field failure data ($MTBF_{FIELD}$), both terms are fully defined in Section 1. Since these two sources of field failure information often share a common data collection basis, a high degree of correlation was expected to exist. The optimum expression is presented in a log transformation as:

$$MTBMA_{FIELD} = 0.5336(MTBF_{FIELD})^{0.9754}$$

The $MTBF_{FIELD}$ exponent of 0.9754 (almost one) represents a near proportional relationship between $MTBMA_{FIELD}$ and $MTBF_{FIELD}$ data. The computed correlation factor (R^2 value) verifies the significance of this relationship with a value of 94 percent. Literal interpretation of the regression results is that there is a two-to-one relationship between the number of maintenance actions and the number of failures.

Predicted MTBF vs. Design/Application Variables

The next phase of the data analysis was to develop a model relating the predicted MTBF to the number of active elements and the application environment. The objectives of this data analysis task were two-fold. First, the relative sensitivity of the predicted MTBF could be evaluated in regard to these two variables. The second objective was to determine a very simple reliability prediction model for quick analyses to determine "ballpark" reliability predictions.

The log-transformed equation for the dependent $MTBF_{PRED}$ shows an intermediate degree of correlation to the number of active elements. The R^2 value associated with the following expression is 43 percent.

$$MTBF_{PRED} = 20467 \text{ (\# Active Elements)}^{-0.3574}$$

This result is as expected, however, due to the fact that the number of active elements designed into a system is taken into account in the prediction models as a factor which does impact reliability. A high

percentage of correlation associated with the predicted MTBF and active element count would be very intriguing. If it is determined that the predicted MTBF can be accurately estimated using only a count of the number of active components, then preliminary MTBF predictions can be determined quickly using this relationship.

The introduction of operating environment into the equation yields a result which is not appreciably different than what was revealed in the original equation. The results indicate the predicted MTBF for airborne equipments is lower by a factor of approximately 3.5. It is interesting to compare this ratio to the value obtained when $MTBF_{FIELD}$ was used (as the dependent variables opposed to $MTBF_{PRED}$). In that case (Table 3), the ratio was 22 to 1. The best fit regression solution for $MTBF_{PRED}$ versus environment and active element count is given by:

$$MTBF_{PRED} = 6769 \begin{Bmatrix} 1 \text{ Ground} \\ 0.2929 \text{ Air} \end{Bmatrix} (\#\text{ Active Elements})^{-0.3703}$$

This model does indicate that there exists some disparity between equipments which operate in an air environment versus a ground environment; however, the influence generated by the number of active elements appears to be more significant. This conclusion is a result of an increase in the R^2 value from the original expression of only 3 percent.

Analysis Conclusions

The analysis conclusions turns its focus to the role that reliability predictions play in forecasting the reliability of a system under actual operating conditions. Reliability predictions are theoretical assessments of the equipment's inherent reliability based on design and application characteristics. The results derived from the relationships between predictions and other parameters can be used to induce refinements in equipment design and procurement practices. The values obtained for the dependent variables of field, reliability

demonstration and field maintenance were all determined to have a relatively high degree of correlation to the independent, predicted MTBF data. This is an encouraging observation which can be used as justification for the reliability prediction practice.

The results of the regression analysis indicates that a high degree of correlation exists between the field and reliability demonstration data when examined in relation to the predicted data and to each other. The close agreement associated with these data types lends credibility to the practice of performing formal predictions and demonstration tests to estimate equipment field reliability.

DETAILED LISTINGS

BY CATEGORY

AND

EQUIPMENT TYPE

DETAILED LISTINGS BY CATEGORY AND EQUIPMENT TYPE

This section contains detailed listings of reliability data contained in the System RAM automated data base. Included are reliability numerics experienced during field operation, simulated operation, production reliability verification, and reliability demonstration tests. Also included are specified, allocated and predicted reliability numerics. Types of data comprising each reliability record include:

Category
Equipment Type
Equip. ID (Equipment Identification Number)
Data Source
App. Env. (Application Environment)
Failures, Relevant
Failures, Non-Rel.
Test Hours, Operate
Test Hours, Non-op.
Sample Size
Numeric Parameter
Program Phase
Test Date Start
Test Date End

Entries in this section are organized first by Category, then by Equipment Type, Equipment Identification Number, and Data Source. The data are organized in this manner so that the reader may readily compare all reliability numerics for each equipment.

A complete explanation of the terms and abbreviations used in the detailed listings may be found in the User's Guide on the following pages.

USER'S GUIDE

The description below applies to the computer listings of this section. A few minutes spent familiarizing oneself with the information supplied below will aid user interpretation of the data contained herein.

Category:

Denotes the general functional purpose of the overall equipment as usually defined at the Set Equipment Level.

Equipment Type:

Denotes the specific function purpose of the equipment as usually defined at the Group or Unit Equipment Level.

Equip. ID:

The unique numerical identifier assigned to an equipment.

Data Source:

The source of the reliability data. The applicable Data Sources are:

Contract/Spec. Requirements
Allocation
Prediction
Reliability Demonstration
Production Reliability Verification
Simulated Operation (CAT I, SEDS, DT&E, FOT&E, etc.)
Field Data

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App. Env.

These environments encompass the major areas of equipment use. Some equipment will experience more than one environment during normal use. For example, equipment in spacecraft are exposed to a composite of environmental stresses. In such a case, the reliability analysis should be segmented, namely missile launch (ML) conditions during boost into and return from orbit and space flight (SF) while in orbit.

AI	Airborne Inhabited
AIA	Airborne Inhabited Attack
AIB	Airborne Inhabited Bomber
AIC	Airborne Inhabited Cargo
AIF	Airborne Inhabited Fighter
AIT	Airborne Inhabited Trainer
AIU	Airborne Inhabited/Uninhabited
ARW	Airborne Rotary Wing
AU	Airborne Uninhabited
AUA	Airborne Uninhabited Attack
AUB	Airborne Uninhabited Bomber
AUC	Airborne Uninhabited Cargo
AUF	Airborne Uninhabited Fighter
AUT	Airborne Uninhabited Trainer
CL	Cannon Launch
GBC	Ground Benign (Commercial)
GB	Ground Benign (Military)
GF	Ground Fixed
GM	Ground Mobile (Inhabited)
GMU	Ground Mobile (Uninhabited)
GP	Ground Portable
GT	Ground Transportable
MP	Manpack
MFF	Missile Free Flight
MSG	Missile Ground Benign
ML	Missile Launch

MFA	Missile Flight Airbreathing
NH	Naval Hydrofoil
NSS	Naval Sub/Surface Sheltered
NUS	Naval Sub/Surface Unsheltered
NS	Naval Surface Sheltered
NU	Naval Surface Unsheltered
NSB	Naval Undersea Sheltered
NUU	Naval Undersea Unsheltered
NR	Not Reported
SF	Space Flight
USL	Undersea Launch

Failures, Relevant:

The number of failures that occurred during the period that were classified as relevant. If no classifications were provided in the source documentation, all failures were classified as relevant. This is a "worst-case" scenario which results in pessimistic reliability measurements.

Failures, Non-Rel:

The number of failures that occurred during the period that were classified as non-relevant.

Test Hours, Operate:

The summation of equipment "on-hours" during the test or period.

Test Hours, Non-Op:

The summation of equipment "off-hours" during the test or period.

Sample Size:

The quantity of items under test or in operation.

Numeric Parameter:

The reliability numeric calculated using Test Hours, Operate and Relevant Failures. The parameters measured are:

MTBF Series
MTBF Functional
MTBMA
MTBPM
MTBM

Program Phase:

The applicable Program Phases are:

Development
Production
Operational

Test Date Start:

Start date of test or period of concern (MM/YY).

Test Date End:

End date of test or period of concern. If the start and end dates of the test are unknown, then both fields were left blank.

Communications,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
139	Contract Spec/Requirement	AUF	0	0	0	0	0	1,000.00 MTBF Series	Development		
139	Analysis & Prediction Report	AU	0	0	0	0	0	5,208.00 MTBF Series	Development		
139	Demonstration Test Report	AUF	3	2	4,301	2,357	0	1,433.66 MTBF Series	Development	01/73	06/73
139	Simulated Operation	AUF	3	3	646	0	0	215.33 MTBF Series	Development	07/72	11/74
139	Field Data and Operating Time	AUF	3	0	18,044	0	161	6,014.66 MTBM	Operational	01/77	06/77
139	Field Data and Operating Time	AUF	7	0	24,470	0	203	3,495.71 MTBM	Operational	07/77	12/77
139	Field Data and Operating Time	AUF	1	0	30,705	0	269	30,705.00 MTBM	Operational	01/78	06/78
139	Field Data and Operating Time	AUF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
139	Field Data and Operating Time	AUF	94	218	178,344	0	0	1,897.27 MTBF Functional	Operational	05/83	04/85
139	Field Data and Operating Time	AUF	312	0	178,344	0	0	571.61 MTBMA	Operational	05/83	04/85
139	Field Data and Operating Time	AUF	227	0	173,620	0	0	764.84 MTBMA	Operational	05/83	04/85
139	Field Data and Operating Time	AUF	67	160	173,620	0	0	2,591.34 MTBF Functional	Operational	05/83	04/85
151	Analysis & Prediction Report	AI	0	0	0	0	0	1,470.00 MTBF Series	Development		
151	Analysis & Prediction Report	AI	0	0	0	0	0	1,322.00 MTBF Series	Development		
151	Analysis & Prediction Report	AI	0	0	0	0	0	1,632.00 MTBF Series	Development	12/73	
151	Demonstration Test Report	AI	27	72	4,031	2,919	0	149.29 MTBF Series	Development	09/73	12/73
155	Analysis & Prediction Report	AI	0	0	0	0	0	2,300.00 MTBF Series	Development	01/73	
155	Analysis & Prediction Report	AI	0	0	0	0	0	2,331.00 MTBF Series	Development	01/74	
155	Demonstration Test Report	AI	2	0	133	0	0	66.50 MTBF Series	Development	09/73	10/73
155	Demonstration Test Report	AI	5	12	899	0	0	179.80 MTBF Series	Development	10/73	10/73
155	Demonstration Test Report	AI	4	26	3,083	0	0	770.75 MTBF Series	Development	10/73	12/73
159	Contract Spec/Requirement	AI	0	0	0	0	0	1,000.00 MTBF Series	Development		
159	Analysis & Prediction Report	AI	0	0	0	0	0	1,387.00 MTBF Series	Development		
159	Demonstration Test Report	AI	22	8	4,028	1,342	0	183.09 MTBF Series	Development	10/73	12/73
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,683.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,685.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	2,008.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,686.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,226.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,214.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	908.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,790.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,817.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,821.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	2,007.00 MTBF Series	Production		

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,659.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,661.00 MTBF Series	Production		
160	Analysis & Prediction Report	AI	0	0	0	0	0	1,845.00 MTBF Series	Production		
160	Field Data and Operating Time	AI	11	0	8,468	0	15	769.81 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AI	10	1	5,957	0	15	595.70 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIA	22	0	14,622	0	0	664.63 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIA	17	0	12,297	0	0	723.35 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIC	5	1	24,985	0	20	4,997.00 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIC	1	0	17,898	0	20	17,898.00 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIC	45	0	55,693	0	0	1,237.62 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIC	23	0	184,380	0	0	8,016.52 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIF	0	0	1,655	0	0	2,388.16 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIF	10	0	4,967	0	15	496.70 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIF	29	0	12,725	0	0	438.79 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIF	49	0	36,723	0	0	749.44 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIF	48	0	32,092	0	0	668.58 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIF	23	0	13,857	0	0	602.47 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIT	49	0	33,925	0	0	692.34 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AIT	11	0	7,907	0	0	718.81 MTBF Functional	Operational	05/76	12/77
160	Field Data and Operating Time	AUB	24	19	131,750	0	0	5,489.58 MTBF Functional	Operational	09/83	08/85
160	Field Data and Operating Time	AUB	43	0	131,750	0	0	3,063.95 MTBMA	Operational	09/83	08/85
160	Field Data and Operating Time	AUB	7	8	67,909	0	0	9,701.28 MTBF Functional	Operational	09/83	08/85
160	Field Data and Operating Time	AUB	15	0	67,909	0	0	4,527.26 MTBMA	Operational	09/83	08/85
197	Contract Spec/Requirement	GF	0	0	0	0	0	5,000.00 MTBF Series	Development		
197	Analysis & Prediction Report	GF	0	0	0	0	0	1,787.00 MTBF Series	Development		
197	Analysis & Prediction Report	GF	0	0	0	0	0	2,375.00 MTBF Series	Development		
197	Demonstration Test Report	GF	2	7	2,980	0	0	1,490.00 MTBF Series	Development	12/74	02/75
197	Field Data and Operating Time	GF	53	0	364,260	0	150	6,872.83 MTBMA	Operational	01/78	06/78
197	Field Data and Operating Time	GF	38	0	364,260	0	150	9,585.78 MTBMA	Operational	07/78	12/78
197	Field Data and Operating Time	GF	36	0	363,180	0	142	10,088.33 MTBMA	Operational	01/79	06/79
197	Field Data and Operating Time	GF	40	0	339,060	0	90	8,476.50 MTBMA	Operational	07/79	12/79
197	Field Data and Operating Time	GF	32	0	339,060	0	90	10,595.62 MTBMA	Operational	01/80	06/80
197	Field Data and Operating Time	GF	91	0	642,510	0	119	7,060.54 MTBMA	Operational	09/81	07/82
197	Field Data and Operating Time	GF	5,754	0	29,236,500	0	1,670	5,081.07 MTBM	Operational	07/83	06/85
197	Field Data and Operating Time	GF	4,767	0	29,236,500	0	1,670	6,133.10 MTBMA	Operational	07/83	06/85

Communications,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
197	Field Data and Operating Time	GF	2,007	2,760	29,236,500	0	1,670	14,567.26 MTBF Functional	Operational	07/83	06/85
229	Contract Spec/Requirement	MP	0	0	0	0	0	1,000.00 MTBF Series	Development		
229	Analysis & Prediction Report	MP	0	0	0	0	0	1,079.00 MTBF Series	Development		
229	Demonstration Test Report	MP	8	2	7,898	0	0	987.25 MTBF Series	Development		
229	Simulated Operation	MP	2	1	906	0	0	453.00 MTBF Series	Development	09/75	03/76
229	Simulated Operation	MP	4	7	579	0	0	144.75 MTBF Series	Development	08/75	12/75
277	Contract Spec/Requirement	GF	0	0	0	0	0	2,200.00 MTBF Series	Development	08/70	02/72
277	Analysis & Prediction Report	GF	0	0	0	0	0	2,671.00 MTBF Series	Development	11/71	02/72
277	Analysis & Prediction Report	GF	0	0	0	0	0	2,698.00 MTBF Series	Development	09/72	12/72
277	Analysis & Prediction Report	GF	0	0	0	0	0	2,602.00 MTBF Series	Development	12/72	03/73
277	Demonstration Test Report	GF	2	0	225	0	0	112.50 MTBF Series	Development	05/73	05/73
277	Demonstration Test Report	GF	2	0	675	0	0	337.50 MTBF Series	Development	06/73	06/73
277	Demonstration Test Report	GF	4	0	9,229	0	0	2,307.25 MTBF Series	Development	05/73	09/73
280	Contract Spec/Requirement	GF	0	0	0	0	0	3,500.00 MTBF Series	Production		
280	Analysis & Prediction Report	GF	0	0	0	0	0	4,945.00 MTBF Series	Production	09/74	01/75
280	Demonstration Test Report	GF	2	9	5,250	0	0	2,625.00 MTBF Series	Production	01/76	03/76
302	Contract Spec/Requirement	NSS	0	0	0	0	0	1,500.00 MTBF Series	Development		
302	Contract Spec/Requirement	NSS	0	0	0	0	0	3,000.00 MTBF Series	Development		
302	Analysis & Prediction Report	NSS	0	0	0	0	0	2,186.00 MTBF Series	Development		
302	Analysis & Prediction Report	NSS	0	0	0	0	0	3,720.00 MTBF Series	Development		
302	Analysis & Prediction Report	NSS	0	0	0	0	0	3,861.00 MTBF Series	Development		
302	Analysis & Prediction Report	NSS	0	0	0	0	0	3,381.00 MTBF Series	Development		
302	Analysis & Prediction Report	NSS	0	0	0	0	0	3,070.00 MTBF Series	Development		
302	Analysis & Prediction Report	NSS	0	0	0	0	0	3,480.00 MTBF Series	Development		
302	Analysis & Prediction Report	NSS	0	0	0	0	0	2,678.00 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	500	0	0	721.50 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	500	0	0	721.50 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	500	0	0	721.50 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	500	0	0	721.50 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	1,000	0	0	1,443.00 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	1,000	0	0	1,443.00 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	1,000	0	0	1,443.00 MTBF Series	Operational		
302	Analysis & Prediction Report	NSS	0	0	1,000	0	0	1,443.00 MTBF Series	Operational		
302	Field Data and Operating Time	NS	30	0	119,281	0	28	3,976.03 MTBF Functional	Operational	05/76	04/77
302	Field Data and Operating Time	NS	3	0	4,035	0	0	1,345.00 MTBMA	Operational	03/79	09/79

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
302	Field Data and Operating Time	NS	1	2	4,035	0	0	4,035.00 MTBF Functional	Operational	03/79	09/79
302	Field Data and Operating Time	NSB	5	0	12,683	0	0	2,536.60 MTBF Functional	Operational	05/76	04/77
336	Contract Spec/Requirement	NS	0	0	0	0	0	1,000.00 MTBF Series	Operational		
336	Analysis & Prediction Report	NS	0	0	0	0	0	1,200.00 MTBF Series	Operational		
336	Field Data and Operating Time	NS	7	2	153,454	50,570	17	21,922.00 MTBF Functional	Operational	06/76	04/77
380	Contract Spec/Requirement	AUC	0	0	0	0	0	1,000.00 MTBF Series	Development		
380	Analysis & Prediction Report	AUC	0	0	0	0	0	1,560.00 MTBF Series	Development		
380	Demonstration Test Report	AUC	3	18	4,283	0	2	1,427.66 MTBF Series	Development	10/80	02/81
380	Field Data and Operating Time	AIC	1,557	1,410	356,310	0	0	228.84 MTBF Functional	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	2,967	0	356,310	0	0	120.09 MTBMA	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	135	65	70,893	0	0	525.13 MTBF Functional	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	200	0	70,893	0	0	354.46 MTBMA	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	10	11	2,305	0	0	230.50 MTBF Functional	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	21	0	2,305	0	0	109.76 MTBMA	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	3	2	10,368	0	0	3,456.00 MTBF Functional	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	5	0	10,368	0	0	2,073.60 MTBMA	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	85	136	60,921	0	0	716.71 MTBF Functional	Operational	07/83	06/85
380	Field Data and Operating Time	AIC	221	0	60,921	0	0	275.66 MTBMA	Operational	07/83	06/85
380	Field Data and Operating Time	AUB	662	785	136,257	0	0	205.82 MTBF Functional	Operational	07/83	06/85
380	Field Data and Operating Time	AUB	1,447	0	136,257	0	0	94.16 MTBMA	Operational	07/83	06/85
380	Field Data and Operating Time	AUB	343	473	70,915	0	0	206.74 MTBF Functional	Operational	07/83	06/85
380	Field Data and Operating Time	AUB	314	0	70,915	0	0	225.84 MTBMA	Operational	07/83	06/85
384	Analysis & Prediction Report	AUF	0	0	0	0	0	600.00 MTBF Series	Development		
384	Field Data and Operating Time	AUF	20	5	24,207	0	0	1,210.35 MTBF Functional	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	25	0	24,207	0	0	968.28 MTBMA	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	518	664	39,513	0	0	76.27 MTBF Functional	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	1,182	0	39,513	0	0	33.42 MTBMA	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	18	6	13,740	0	0	763.33 MTBF Functional	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	24	0	13,740	0	0	572.50 MTBMA	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	626	321	38,558	0	0	61.59 MTBF Functional	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	947	0	38,558	0	0	40.71 MTBMA	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	521	288	39,991	0	0	76.75 MTBF Functional	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	807	0	39,991	0	0	49.55 MTBMA	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	624	340	43,935	0	0	70.40 MTBF Functional	Operational	06/83	05/85
384	Field Data and Operating Time	AUF	964	0	43,935	0	0	45.57 MTBMA	Operational	06/83	05/85

Communications, Amplifier, RF

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
146	Analysis & Prediction Report	AU	0	0	0	0	0	5,914.00 MTBF Series	Development		
146	Demonstration Test Report	AUF	3	2	4,301	2,357	0	1,433.66 MTBF Series	Development	01/73	06/73
146	Simulated Operation	AUF	3	3	646	0	0	215.33 MTBF Series	Development	07/72	11/74
146	Simulated Operation	AUF	1	0	441	0	0	441.00 MTBF Series	Development	04/74	06/75
146	Field Data and Operating Time	AUF	54	92	178,344	0	0	3,302.66 MTBF Functional	Operational	05/83	04/85
146	Field Data and Operating Time	AUF	146	0	178,344	0	0	1,221.53 MTBMA	Operational	05/83	04/85
146	Field Data and Operating Time	AUF	47	77	173,620	0	0	3,694.04 MTBF Functional	Operational	05/83	04/85
146	Field Data and Operating Time	AUF	124	0	173,620	0	0	1,400.16 MTBMA	Operational	05/83	04/85

Communications, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
147	Analysis & Prediction Report	AU	0	0	0	0	0	43,631.00 MTBF Series	Development		
147	Demonstration Test Report	AUF	0	0	4,301	2,357	0	6,206.34 MTBF Series	Development	01/73	06/73
147	Simulated Operation	AUF	0	0	646	0	0	932.17 MTBF Series	Development	07/72	11/74
147	Field Data and Operating Time	AUF	10	23	178,344	0	0	17,834.40 MTBF Functional	Operational	05/83	04/85
147	Field Data and Operating Time	AUF	33	0	178,344	0	0	5,404.36 MTBMA	Operational	05/83	04/85
147	Field Data and Operating Time	AUF	12	16	173,620	0	0	14,468.33 MTBF Functional	Operational	05/83	04/85
147	Field Data and Operating Time	AUF	18	0	173,620	0	0	9,645.55 MTBMA	Operational	05/83	04/85

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
36	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
36	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
36	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
36	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
36	Field Data and Operating Time	AIF	286	115	204,853	0	0	716.26 MTBF Functional	Operational	05/83	04/85
36	Field Data and Operating Time	AIF	501	0	204,853	0	0	408.88 MTBMA	Operational	05/83	04/85
36	Field Data and Operating Time	AIF	480	345	198,726	0	0	414.01 MTBF Functional	Operational	05/83	04/85
36	Field Data and Operating Time	AIF	825	0	198,726	0	0	240.88 MTBMA	Operational	05/83	04/85
37	Contract Spec/Requirement	AIF	0	0	0	0	0	2,590.00 MTBF Series	Development		
37	Analysis & Prediction Report	AI	0	0	0	0	0	3,126.00 MTBF Series	Development		

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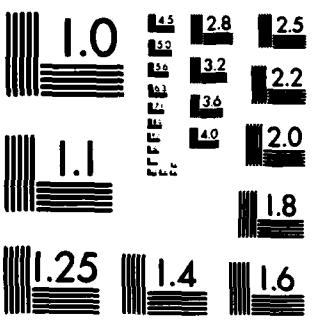

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NATIONAL BUREAU OF STANDARDS-1963-A

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
37	Demonstration Test Report	AIF	3	9	7,355	4,903	0	2,451.66 MTBF Series	Development	03/74	03/75
37	Demonstration Test Report	AIF	5	4	975	650	0	195.00 MTBF Series	Development	08/73	11/73
37	Demonstration Test Report	AIF	3	17	969	646	0	323.00 MTBF Series	Development	03/73	06/73
37	Production Sample Verification	AIF	1	5	3,544	2,364	0	3,544.00 MTBF Series	Production	06/75	09/75
37	Production Sample Verification	AIF	1	1	2,864	1,908	0	2,864.00 MTBF Series	Production	01/76	04/76
37	Production Sample Verification	AIF	1	0	2,843	1,895	0	2,843.00 MTBF Series	Production	01/77	04/77
37	Simulated Operation	AIF	5	0	9,472	0	0	1,894.40 MTBF Series	Development	07/72	11/74
37	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
37	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
37	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
37	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
37	Field Data and Operating Time	AIF	937	854	204,853	0	0	218.62 MTBF Functional	Operational	05/83	04/85
37	Field Data and Operating Time	AIF	1,791	0	204,853	0	0	114.37 MTBMA	Operational	05/83	04/85
37	Field Data and Operating Time	AIF	937	854	198,726	0	0	212.08 MTBF Functional	Operational	05/83	04/85
37	Field Data and Operating Time	AIF	1,791	0	198,726	0	0	110.95 MTBMA	Operational	05/83	04/85
38	Contract Spec/Requirement	AIF	0	0	0	0	0	10,040.00 MTBF Series	Development		
38	Analysis & Prediction Report	AI	0	0	0	0	0	21,050.00 MTBF Series	Development		
38	Demonstration Test Report	AIF	1	4	7,355	4,903	0	7,355.00 MTBF Series	Development	03/74	03/75
38	Demonstration Test Report	AIF	0	0	975	650	0	1,406.92 MTBF Series	Development	08/73	11/73
38	Demonstration Test Report	AIF	0	1	969	646	0	1,398.26 MTBF Series	Development	03/73	06/73
38	Production Sample Verification	AIF	0	0	3,544	2,364	0	5,113.99 MTBF Series	Production	06/75	09/75
38	Production Sample Verification	AIF	0	1	2,864	1,908	0	4,132.75 MTBF Series	Production	01/76	04/76
38	Production Sample Verification	AIF	0	0	2,843	1,895	0	4,102.45 MTBF Series	Production	01/77	04/77
38	Simulated Operation	AIF	0	0	9,472	0	0	13,668.10 MTBF Series	Development	07/72	11/74
38	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
38	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
38	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
38	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
38	Field Data and Operating Time	AIF	91	56	178,344	0	0	1,959.82 MTBF Functional	Operational	05/83	04/85
38	Field Data and Operating Time	AIF	147	0	178,344	0	0	1,213.22 MTBMA	Operational	05/83	04/85
38	Field Data and Operating Time	AIF	62	40	173,620	0	0	2,800.32 MTBF Functional	Operational	05/83	04/85
38	Field Data and Operating Time	AIF	102	0	173,620	0	0	1,702.15 MTBMA	Operational	05/83	04/85
39	Contract Spec/Requirement	AIF	0	0	0	0	0	24,150.00 MTBF Series	Development		
39	Analysis & Prediction Report	AI	0	0	0	0	0	57,800.00 MTBF Series	Development		
39	Demonstration Test Report	AIF	0	0	7,355	4,903	0	10,613.27 MTBF Series	Development	03/74	03/75

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
39	Demonstration Test Report	AIF	0	1	975	650	0	1,406.92 MTBF Series	Development	08/73	11/73
39	Demonstration Test Report	AIF	0	0	969	646	0	1,398.26 MTBF Series	Development	03/73	06/73
39	Production Sample Verification	AIF	0	0	3,544	2,364	0	5,113.99 MTBF Series	Production	06/75	09/75
39	Production Sample Verification	AIF	0	0	2,864	1,908	0	4,132.75 MTBF Series	Production	01/76	04/76
39	Production Sample Verification	AIF	0	0	2,843	1,895	0	4,102.45 MTBF Series	Production	01/77	04/77
39	Simulated Operation	AIF	0	0	1,088	0	0	1,569.98 MTBF Series	Development	07/72	11/74
39	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
39	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
39	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
39	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
39	Field Data and Operating Time	AIF	58	41	178,344	0	0	3,074.89 MTBF Functional	Operational	05/83	04/85
39	Field Data and Operating Time	AIF	99	0	178,344	0	0	1,801.45 MTBMA	Operational	05/83	04/85
39	Field Data and Operating Time	AIF	45	18	173,620	0	0	3,858.22 MTBF Functional	Operational	05/83	04/85
39	Field Data and Operating Time	AIF	63	0	173,620	0	0	2,755.87 MTBMA	Operational	05/83	04/85
41	Contract Spec/Requirement	AIF	0	0	0	0	0	12,500.00 MTBF Series	Development		
41	Analysis & Prediction Report	AI	0	0	0	0	0	20,300.00 MTBF Series	Development		
41	Demonstration Test Report	AIF	0	1	7,355	4,903	0	10,613.27 MTBF Series	Development	03/74	03/75
41	Demonstration Test Report	AIF	0	0	975	650	0	1,406.92 MTBF Series	Development	08/73	11/73
41	Demonstration Test Report	AIF	0	1	969	646	0	1,398.26 MTBF Series	Development	03/73	06/73
41	Production Sample Verification	AIF	0	1	3,544	2,364	0	5,113.99 MTBF Series	Production	06/75	09/75
41	Production Sample Verification	AIF	0	0	2,864	1,908	0	4,132.75 MTBF Series	Production	01/76	04/76
41	Production Sample Verification	AIF	0	0	2,843	1,895	0	4,102.45 MTBF Series	Production	01/77	04/77
41	Simulated Operation	AIF	0	0	9,472	0	0	13,668.10 MTBF Series	Development	07/72	11/74
41	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
41	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
41	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
41	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
41	Field Data and Operating Time	AIF	427	267	204,853	0	0	479.74 MTBF Functional	Operational	05/83	04/85
41	Field Data and Operating Time	AIF	694	0	204,853	0	0	295.17 MTBMA	Operational	05/83	04/85
41	Field Data and Operating Time	AIF	136	111	198,726	0	0	1,461.22 MTBF Functional	Operational	05/83	04/85
41	Field Data and Operating Time	AIF	247	0	198,726	0	0	804.55 MTBMA	Operational	05/83	04/85
42	Contract Spec/Requirement	AIF	0	0	0	0	0	73,500.00 MTBF Series	Development		
42	Analysis & Prediction Report	AI	0	0	0	0	0	44,700.00 MTBF Series	Development		
42	Demonstration Test Report	AIF	0	0	7,355	4,903	0	10,613.27 MTBF Series	Development	03/74	03/75
42	Demonstration Test Report	AIF	0	1	975	650	0	1,406.92 MTBF Series	Development	08/73	11/73

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
42	Demonstration Test Report	AIF	1	0	969	646	0	969.00 MTBF Series	Development	03/73	06/73
42	Production Sample Verification	AIF	0	0	3,544	2,364	0	5,113.99 MTBF Series	Production	06/75	09/75
42	Production Sample Verification	AIF	0	0	2,864	1,908	0	4,132.75 MTBF Series	Production	01/76	04/76
42	Production Sample Verification	AIF	0	0	2,843	1,895	0	4,102.45 MTBF Series	Production	01/77	04/77
42	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
42	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
42	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
42	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
42	Field Data and Operating Time	AIF	1,751	0	55,926	0	0	31.93 MTBMA	Operational	05/83	04/85
42	Field Data and Operating Time	AIF	934	817	55,926	0	0	59.87 MTBF Functional	Operational	05/83	04/85
42	Field Data and Operating Time	AIF	39	17	53,788	0	0	1,379.17 MTBF Functional	Operational	05/83	04/85
42	Field Data and Operating Time	AIF	56	0	53,788	0	0	960.50 MTBMA	Operational	05/83	04/85
152	Analysis & Prediction Report	AI	0	0	0	0	0	31,427.00 MTBF Series	Development		
152	Analysis & Prediction Report	AI	0	0	0	0	0	12,060.00 MTBF Series	Development		
152	Analysis & Prediction Report	AI	0	0	0	0	0	17,150.00 MTBF Series	Development		
152	Demonstration Test Report	AI	1	0	4,031	2,919	0	4,031.00 MTBF Series	Development		
153	Analysis & Prediction Report	AI	0	0	0	0	0	16,116.00 MTBF Series	Development		
153	Analysis & Prediction Report	AI	0	0	0	0	0	18,200.00 MTBF Series	Development		
153	Analysis & Prediction Report	AI	0	0	0	0	0	24,709.00 MTBF Series	Development		
153	Demonstration Test Report	AI	2	0	4,031	2,919	0	2,015.50 MTBF Series	Development		
156	Analysis & Prediction Report	AI	0	0	0	0	0	17,223.00 MTBF Series	Development		
156	Analysis & Prediction Report	AI	0	0	0	0	0	13,842.00 MTBF Series	Development		
156	Demonstration Test Report	AI	1	0	133	0	0	133.00 MTBF Series	Development	09/73	10/73
156	Demonstration Test Report	AI	0	0	899	0	0	1,297.25 MTBF Series	Development	10/73	10/73
156	Demonstration Test Report	AI	0	0	3,083	0	0	4,448.77 MTBF Series	Development	10/73	12/73
156	Demonstration Test Report	AI	0	1	376	0	0	542.56 MTBF Series	Development	11/73	12/73
157	Analysis & Prediction Report	AI	0	0	0	0	0	6,186.00 MTBF Series	Development		
157	Analysis & Prediction Report	AI	0	0	0	0	0	18,410.00 MTBF Series	Development		
157	Demonstration Test Report	AI	0	0	133	0	0	191.91 MTBF Series	Development	09/73	10/73
157	Demonstration Test Report	AI	0	0	988	0	0	1,425.68 MTBF Series	Development	10/73	10/73
157	Demonstration Test Report	AI	1	0	3,083	0	0	3,083.00 MTBF Series	Development	10/73	12/73
157	Demonstration Test Report	AI	0	1	376	0	0	542.56 MTBF Series	Development	11/73	12/73
161	Analysis & Prediction Report	AI	0	0	0	0	0	7,968.00 MTBF Series	Development		
161	Demonstration Test Report	AI	6	1	4,028	1,342	0	671.33 MTBF Series	Development	10/73	12/73
162	Analysis & Prediction Report	AI	0	0	0	0	0	5,633.00 MTBF Series	Production		

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
162	Production Sample Verification	AI	0	0	133	66	0	191.91 MTBF Series	Production	08/75	08/75
162	Production Sample Verification	AI	4	1	987	493	14	246.75 MTBF Series	Production	09/75	09/75
162	Production Sample Verification	AI	0	0	611	305	11	881.67 MTBF Series	Production	10/75	10/75
162	Production Sample Verification	AI	1	0	740	370	12	740.00 MTBF Series	Production	11/75	11/75
162	Production Sample Verification	AI	2	0	5,430	2,715	76	2,715.00 MTBF Series	Production	12/75	12/75
162	Production Sample Verification	AI	5	1	4,713	2,357	64	942.60 MTBF Series	Production	01/76	01/76
162	Production Sample Verification	AI	8	2	7,722	3,861	105	965.25 MTBF Series	Production	02/76	02/76
162	Production Sample Verification	AI	8	0	3,921	1,960	48	490.12 MTBF Series	Production	03/76	03/76
162	Production Sample Verification	AI	3	0	4,494	2,247	63	1,498.00 MTBF Series	Production	04/76	04/76
162	Production Sample Verification	AI	5	0	908	454	14	181.60 MTBF Series	Production	05/76	05/76
162	Production Sample Verification	AI	3	0	3,610	1,805	62	1,203.33 MTBF Series	Production	06/76	06/76
162	Production Sample Verification	AI	12	1	4,209	2,104	60	350.75 MTBF Series	Production	07/76	07/76
162	Production Sample Verification	AI	7	1	10,050	5,025	161	1,435.71 MTBF Series	Production	08/76	08/76
162	Production Sample Verification	AI	3	3	5,174	2,587	82	1,724.66 MTBF Series	Production	09/76	09/76
162	Production Sample Verification	AI	4	0	5,463	2,731	86	1,365.75 MTBF Series	Production	10/76	10/76
162	Production Sample Verification	AI	70	10	6,578	3,289	113	93.97 MTBF Series	Production	11/76	11/76
162	Production Sample Verification	AI	4	0	5,393	2,696	90	1,348.25 MTBF Series	Production	12/76	12/76
162	Production Sample Verification	AI	4	1	5,632	2,816	93	1,408.00 MTBF Series	Production	01/77	01/77
162	Production Sample Verification	AI	2	1	2,207	1,104	36	1,103.50 MTBF Series	Production	02/77	02/77
162	Production Sample Verification	AI	1	0	1,481	740	27	1,481.00 MTBF Series	Production	03/77	03/77
162	Production Sample Verification	AI	1	0	63	31	0	63.00 MTBF Series	Production	04/77	04/77
162	Production Sample Verification	AI	2	0	937	469	33	468.50 MTBF Series	Production	05/77	05/77
162	Production Sample Verification	AI	0	0	300	150	12	432.90 MTBF Series	Production	07/77	07/77
162	Production Sample Verification	AI	0	0	973	486	39	1,404.04 MTBF Series	Production	08/77	08/77
162	Production Sample Verification	AI	1	0	2,312	1,156	89	2,312.00 MTBF Series	Production	09/77	09/77
162	Production Sample Verification	AI	2	0	1,983	991	74	991.50 MTBF Series	Production	10/77	10/77
162	Production Sample Verification	AI	0	0	2,009	1,004	58	2,898.98 MTBF Series	Production	11/77	11/77
162	Production Sample Verification	AI	0	0	1,670	835	55	2,409.81 MTBF Series	Production	12/77	12/77
162	Production Sample Verification	AI	3	0	1,764	882	59	588.00 MTBF Series	Production	01/78	01/78
162	Production Sample Verification	AI	1	0	1,563	782	58	1,563.00 MTBF Series	Production	02/78	02/78
162	Production Sample Verification	AI	0	0	281	141	11	405.48 MTBF Series	Production	03/77	03/77
162	Production Sample Verification	AI	0	0	520	260	20	750.36 MTBF Series	Production	04/77	04/77
162	Field Data and Operating Time	AI	0	0	8,468	0	15	12,219.33 MTBF Functional	Operational	05/76	12/77
162	Field Data and Operating Time	AI	0	0	5,957	0	15	8,595.95 MTBF Functional	Operational	05/76	12/77
162	Field Data and Operating Time	AIF	44	18	53,220	0	0	1,209.54 MTBF Functional	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
162	Field Data and Operating Time	AIF	62	0	53,220	0	0	858.38 MTBMA	Operational	05/83	04/85
162	Field Data and Operating Time	AIT	47	8	62,765	0	0	1,335.42 MTBF Functional	Operational	08/83	07/85
162	Field Data and Operating Time	AIT	55	0	62,765	0	0	1,141.18 MTBMA	Operational	08/83	07/85
162	Field Data and Operating Time	AIT	317	49	62,765	0	0	197.99 MTBF Functional	Operational	08/83	07/85
162	Field Data and Operating Time	AIT	366	0	62,765	0	0	171.48 MTBMA	Operational	08/83	07/85
163	Analysis & Prediction Report	AI	0	0	0	0	0	5,645.00 MTBF Series	Production		
163	Production Sample Verification	AI	1	0	1,314	657	22	1,314.00 MTBF Series	Production	08/75	08/75
163	Production Sample Verification	AI	1	0	2,462	1,231	17	2,462.00 MTBF Series	Production	09/75	09/75
163	Production Sample Verification	AI	3	0	1,275	633	21	425.00 MTBF Series	Production	10/75	10/75
163	Production Sample Verification	AI	0	0	1,285	643	19	1,854.25 MTBF Series	Production	11/75	11/75
163	Production Sample Verification	AI	0	0	1,447	724	21	2,088.02 MTBF Series	Production	12/75	12/75
163	Production Sample Verification	AI	2	1	1,985	992	29	992.50 MTBF Series	Production	01/76	01/76
163	Production Sample Verification	AI	0	0	294	147	0	424.24 MTBF Series	Production	2/76	02/76
163	Production Sample Verification	AI	0	0	3,326	1,663	48	4,799.42 MTBF Series	Production	03/76	03/76
163	Production Sample Verification	AI	4	2	3,675	1,838	51	918.75 MTBF Series	Production	04/76	04/76
163	Production Sample Verification	AI	3	0	3,679	1,840	61	1,226.33 MTBF Series	Production	05/76	05/76
163	Production Sample Verification	AI	8	1	7,766	3,883	122	970.75 MTBF Series	Production	06/76	06/76
163	Production Sample Verification	AI	14	0	11,106	5,553	174	793.28 MTBF Series	Production	07/76	07/76
163	Production Sample Verification	AI	6	2	11,706	5,853	193	1,951.00 MTBF Series	Production	08/76	08/76
163	Production Sample Verification	AI	7	3	7,791	3,895	118	1,113.00 MTBF Series	Production	09/76	09/76
163	Production Sample Verification	AI	0	0	8,217	4,108	138	11,857.14 MTBF Series	Production	10/76	10/76
163	Production Sample Verification	AI	5	1	9,257	4,628	158	1,851.40 MTBF Series	Production	11/76	11/76
163	Production Sample Verification	AI	4	0	9,005	4,502	147	2,251.25 MTBF Series	Production	12/76	12/76
163	Production Sample Verification	AI	1	0	9,526	4,763	165	9,526.00 MTBF Series	Production	01/77	01/77
163	Production Sample Verification	AI	5	1	12,978	6,489	210	2,595.60 MTBF Series	Production	02/77	02/77
163	Production Sample Verification	AI	5	0	12,461	6,231	222	2,492.20 MTBF Series	Production	03/77	03/77
163	Production Sample Verification	AI	1	0	1,845	922	69	1,845.00 MTBF Series	Production	04/77	04/77
163	Production Sample Verification	AI	6	0	5,959	2,979	224	993.16 MTBF Series	Production	05/77	05/77
163	Production Sample Verification	AI	8	0	8,171	4,081	316	1,021.37 MTBF Series	Production	06/77	06/77
163	Production Sample Verification	AI	3	0	2,271	1,136	86	757.00 MTBF Series	Production	07/77	07/77
163	Production Sample Verification	AI	8	0	9,500	4,750	324	1,187.50 MTBF Series	Production	08/77	08/77
163	Production Sample Verification	AI	6	1	4,647	2,324	169	774.50 MTBF Series	Production	09/77	09/77
163	Production Sample Verification	AI	1	0	4,573	2,286	176	4,573.00 MTBF Series	Production	10/77	10/77
163	Production Sample Verification	AI	2	0	6,242	3,121	226	3,121.00 MTBF Series	Production	11/77	11/77
163	Production Sample Verification	AI	1	0	5,483	2,741	166	5,483.00 MTBF Series	Production	12/77	12/77

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
163	Production Sample Verification	AI	2	0	4,924	2,462	169	2,462.00 MTBF Series	Production	01/78	01/78
163	Production Sample Verification	AI	2	0	4,368	2,184	137	2,184.00 MTBF Series	Production	02/78	02/78
163	Production Sample Verification	AI	0	0	1,123	562	31	1,620.49 MTBF Series	Production	03/77	03/77
163	Field Data and Operating Time	AIB	4	0	131,750	0	0	32,937.50 MTBF Functional	Operational	09/83	08/85
163	Field Data and Operating Time	AIB	4	0	131,750	0	0	32,937.50 MTBMA	Operational	09/83	08/85
163	Field Data and Operating Time	AIB	6	0	67,909	0	0	11,318.16 MTBF Functional	Operational	09/83	08/85
163	Field Data and Operating Time	AIB	6	0	67,909	0	0	11,318.16 MTBMA	Operational	09/83	08/85
163	Field Data and Operating Time	AIC	3	0	24,985	0	20	8,328.33 MTBF Functional	Operational	05/76	12/77
163	Field Data and Operating Time	AIC	1	0	17,898	0	20	17,898.00 MTBF Functional	Operational	05/76	12/77
163	Field Data and Operating Time	AIF	9	0	8,278	0	25	919.77 MTBF Functional	Operational	05/76	12/77
163	Field Data and Operating Time	AIT	162	13	101,203	0	0	624.70 MTBF Functional	Operational	06/83	05/85
163	Field Data and Operating Time	AIT	175	0	101,203	0	0	578.30 MTBMA	Operational	06/83	05/85
163	Field Data and Operating Time	AIT	69	12	128,203	0	0	1,858.01 MTBF Functional	Operational	06/83	05/85
163	Field Data and Operating Time	AIT	81	0	128,203	0	0	1,582.75 MTBMA	Operational	06/83	05/85
164	Analysis & Prediction Report	AI	0	0	0	0	0	5,655.00 MTBF Series	Production		
164	Production Sample Verification	AI	0	0	1,155	578	20	1,666.66 MTBF Series	Production	02/77	02/77
164	Production Sample Verification	AI	2	0	8,299	4,150	32	4,149.50 MTBF Series	Production	03/77	03/77
164	Production Sample Verification	AI	0	0	322	161	12	464.64 MTBF Series	Production	04/77	04/77
164	Production Sample Verification	AI	0	0	451	226	18	650.79 MTBF Series	Production	05/77	05/77
164	Production Sample Verification	AI	1	0	703	351	28	703.00 MTBF Series	Production	07/77	07/77
164	Production Sample Verification	AI	0	0	26	13	0	37.51 MTBF Series	Production	08/77	08/77
164	Production Sample Verification	AI	0	0	511	255	19	737.37 MTBF Series	Production	09/77	09/77
164	Production Sample Verification	AI	1	0	500	250	18	500.00 MTBF Series	Production	10/77	10/77
164	Production Sample Verification	AI	1	0	862	431	25	862.00 MTBF Series	Production	11/77	11/77
164	Production Sample Verification	AI	0	0	735	366	28	1,060.60 MTBF Series	Production	12/77	12/77
164	Production Sample Verification	AI	0	0	62	31	0	89.46 MTBF Series	Production	01/78	01/78
164	Production Sample Verification	AI	0	0	26	13	0	37.51 MTBF Series	Production	03/77	03/77
164	Field Data and Operating Time	AIT	40	6	101,203	0	0	2,530.07 MTBF Functional	Operational	06/83	05/85
164	Field Data and Operating Time	AIT	46	0	101,203	0	0	2,200.06 MTBMA	Operational	06/83	05/85
165	Production Sample Verification	AI	0	0	326	163	13	470.41 MTBF Series	Production	06/77	06/77
165	Production Sample Verification	AI	0	0	24	12	0	34.63 MTBF Series	Production	07/77	07/77
165	Production Sample Verification	AI	0	0	199	99	0	287.15 MTBF Series	Production	08/77	08/77
165	Production Sample Verification	AI	0	0	774	384	31	1,116.88 MTBF Series	Production	09/77	09/77
165	Production Sample Verification	AI	3	0	1,737	868	59	579.00 MTBF Series	Production	12/77	12/77
165	Production Sample Verification	AI	1	0	1,068	534	32	1,068.00 MTBF Series	Production	01/78	01/78

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
165	Production Sample Verification	AI	0	0	670	335	21	966.81 MTBF Series	Production	02/78	02/78
166	Analysis & Prediction Report	AI	0	0	0	0	0	11,546.00 MTBF Series	Development		
166	Demonstration Test Report	AI	4	1	4,028	1,342	0	1,007.00 MTBF Series	Development	10/73	12/73
167	Analysis & Prediction Report	AI	0	0	0	0	0	22,740.00 MTBF Series	Production		
167	Production Sample Verification	AI	2	0	2,555	1,278	39	1,277.50 MTBF Series	Production	08/75	08/75
167	Production Sample Verification	AI	2	0	3,253	1,627	50	1,626.50 MTBF Series	Production	09/75	09/75
167	Production Sample Verification	AI	13	1	5,741	2,870	86	441.61 MTBF Series	Production	10/75	10/75
167	Production Sample Verification	AI	5	0	6,929	3,465	110	1,385.80 MTBF Series	Production	11/75	11/75
167	Production Sample Verification	AI	3	0	4,399	2,199	59	1,466.33 MTBF Series	Production	12/75	12/75
167	Production Sample Verification	AI	9	1	2,686	1,343	41	298.44 MTBF Series	Production	01/76	01/76
167	Production Sample Verification	AI	0	0	4,597	2,298	80	6,633.47 MTBF Series	Production	02/76	02/76
167	Production Sample Verification	AI	2	0	3,060	1,530	35	1,530.00 MTBF Series	Production	03/76	03/76
167	Production Sample Verification	AI	2	0	5,892	2,946	79	2,946.00 MTBF Series	Production	04/76	04/76
167	Production Sample Verification	AI	1	0	3,881	1,940	63	3,881.00 MTBF Series	Production	05/76	05/76
167	Production Sample Verification	AI	4	0	7,538	3,769	110	1,884.50 MTBF Series	Production	06/76	06/76
167	Production Sample Verification	AI	6	0	4,932	2,466	69	822.00 MTBF Series	Production	07/76	07/76
167	Production Sample Verification	AI	6	0	7,066	3,533	104	1,177.66 MTBF Series	Production	08/76	08/76
167	Production Sample Verification	AI	9	0	5,193	2,597	73	577.00 MTBF Series	Production	09/76	09/76
167	Production Sample Verification	AI	8	0	4,283	2,141	75	535.37 MTBF Series	Production	10/76	10/76
167	Production Sample Verification	AI	3	0	4,850	2,425	65	1,616.66 MTBF Series	Production	11/76	11/76
167	Production Sample Verification	AI	0	0	2,083	1,041	34	3,005.77 MTBF Series	Production	12/76	12/76
167	Production Sample Verification	AI	0	0	4,007	2,003	70	5,782.10 MTBF Series	Production	01/77	01/77
167	Production Sample Verification	AI	0	0	1,301	651	23	1,877.34 MTBF Series	Production	02/77	02/77
167	Production Sample Verification	AI	3	0	4,009	2,005	58	1,336.33 MTBF Series	Production	03/77	03/77
167	Production Sample Verification	AI	2	0	233	116	0	116.50 MTBF Series	Production	04/77	04/77
167	Production Sample Verification	AI	2	0	2,164	1,082	72	1,082.00 MTBF Series	Production	05/77	05/77
167	Production Sample Verification	AI	3	0	1,412	706	56	470.66 MTBF Series	Production	06/77	06/77
167	Production Sample Verification	AI	0	0	265	133	11	382.39 MTBF Series	Production	07/77	07/77
167	Production Sample Verification	AI	2	1	2,075	1,037	83	1,037.50 MTBF Series	Production	08/77	08/77
167	Production Sample Verification	AI	1	0	1,231	616	48	1,231.00 MTBF Series	Production	09/77	09/77
167	Production Sample Verification	AI	5	0	2,551	1,275	95	510.20 MTBF Series	Production	10/77	10/77
167	Production Sample Verification	AI	1	0	2,165	1,082	79	2,165.00 MTBF Series	Production	11/77	11/77
167	Production Sample Verification	AI	5	0	1,200	600	41	240.00 MTBF Series	Production	12/77	12/77
167	Production Sample Verification	AI	1	0	1,465	733	42	1,465.00 MTBF Series	Production	01/78	01/78
167	Production Sample Verification	AI	0	0	1,188	594	44	1,714.28 MTBF Series	Production	02/78	02/78

Communications, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
167	Production Sample Verification	AI	2	0	2,317	1,158	95	1,158.50 MTBF Series	Production	04/77	04/77
167	Production Sample Verification	AI	0	0	275	137	0	396.82 MTBF Series	Production	05/77	05/77
167	Field Data and Operating Time	AIA	66	76	450,653	0	0	6,828.07 MTBF Functional	Operational	06/83	05/85
167	Field Data and Operating Time	AIA	142	0	450,653	0	0	3,173.61 MTBMA	Operational	06/83	05/85
167	Field Data and Operating Time	AIF	0	0	4,191	0	10	6,047.61 MTBF Functional	Operational	05/76	12/77
167	Field Data and Operating Time	AIF	0	0	2,431	0	10	3,507.93 MTBF Functional	Operational	05/76	12/77
198	Demonstration Test Report	GF	0	0	2,980	0	0	4,300.14 MTBF Series	Development	12/74	02/75
198	Field Data and Operating Time	GF	19	0	19,172	0	150	1,009.05 MTBMA	Operational	01/78	06/78
198	Field Data and Operating Time	GF	10	0	364,260	0	150	36,426.00 MTBMA	Operational	07/78	12/78
198	Field Data and Operating Time	GF	5	0	363,180	0	142	72,636.00 MTBMA	Operational	01/79	06/79
198	Field Data and Operating Time	GF	5	0	339,060	0	90	67,812.00 MTBMA	Operational	07/79	12/79
198	Field Data and Operating Time	GF	3	0	339,060	0	90	113,020.00 MTBMA	Operational	01/80	06/80
198	Field Data and Operating Time	GF	2	0	642,510	0	119	321,255.00 MTBMA	Operational	09/81	07/82
198	Field Data and Operating Time	GF	446	0	29,236,500	0	119	65,552.69 MTBM	Operational	09/81	07/82
198	Field Data and Operating Time	GF	233	164	29,236,500	0	119	125,478.54 MTBF Functional	Operational	09/81	07/82
198	Field Data and Operating Time	GF	397	0	29,236,500	0	119	73,643.57 MTBMA	Operational	09/81	07/82
382	Analysis & Prediction Report	AIC	0	0	0	0	0	31,500.00 MTBF Series	Development		
382	Field Data and Operating Time	AIB	245	55	136,257	0	0	556.15 MTBF Functional	Operational	07/83	06/85
382	Field Data and Operating Time	AIB	300	0	136,257	0	0	454.19 MTBMA	Operational	07/83	06/85
382	Field Data and Operating Time	AIB	103	52	70,915	0	0	688.49 MTBF Functional	Operational	07/83	06/85
382	Field Data and Operating Time	AIB	155	0	70,915	0	0	457.51 MTBMA	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	583	179	356,310	0	0	611.16 MTBF Functional	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	762	0	356,310	0	0	467.59 MTBMA	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	30	7	70,893	0	0	2,363.10 MTBF Functional	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	37	0	70,893	0	0	1,916.02 MTBMA	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	7	1	2,304	0	0	329.14 MTBF Functional	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	8	0	2,304	0	0	288.00 MTBMA	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	1	0	10,368	0	0	10,368.00 MTBF Functional	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	1	0	10,368	0	0	10,368.00 MTBMA	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	9	2	60,921	0	0	6,769.00 MTBF Functional	Operational	07/83	06/85
382	Field Data and Operating Time	AIC	11	0	60,921	0	0	5,538.27 MTBMA	Operational	07/83	06/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
168	Analysis & Prediction Report	AU	0	0	0	0	0	822,233.00 MTBF Series	Development		
168	Demonstration Test Report	AU	0	0	4,028	1,342	0	5,812.40 MTBF Series	Development	10/73	12/73
169	Analysis & Prediction Report	AU	0	0	0	0	0	678,104.00 MTBF Series	Production	00000	00000
169	Field Data and Operating Time	AUB	0	2	131,750	0	0	190,115.44 MTBF Functional	Operational	09/83	05/85
169	Field Data and Operating Time	AUB	2	0	131,750	0	0	65,875.00 MTBMA	Operational	09/83	05/85
169	Field Data and Operating Time	AUB	1	1	67,909	0	0	67,909.00 MTBF Functional	Operational	09/83	05/85
169	Field Data and Operating Time	AUB	2	0	67,909	0	0	33,954.50 MTBMA	Operational	09/83	05/85
169	Field Data and Operating Time	AUF	10	0	4,191	0	10	419.10 MTBF Functional	Operational	05/76	12/77
169	Field Data and Operating Time	AUT	3	1	101,203	0	0	33,734.33 MTBF Functional	Operational	06/83	05/85
169	Field Data and Operating Time	AUT	4	0	101,203	0	0	25,300.75 MTBMA	Operational	06/83	05/85
169	Field Data and Operating Time	AUT	4	2	128,203	0	0	32,050.75 MTBF Functional	Operational	06/83	05/85
169	Field Data and Operating Time	AUT	6	0	128,203	0	0	21,367.16 MTBMA	Operational	06/83	05/85
170	Analysis & Prediction Report	AU	0	0	0	0	0	72,902.00 MTBF Series	Production		
170	Field Data and Operating Time	AUT	5	3	101,203	0	0	20,240.60 MTBF Functional	Operational	06/83	05/85
170	Field Data and Operating Time	AUT	8	0	101,203	0	0	12,650.37 MTBMA	Operational	06/83	05/85
383	Contract Spec/Requirement	AUC	0	0	0	0	0	2,000.00 MTBF Series	Development		
383	Analysis & Prediction Report	AUC	0	0	0	0	0	7,500.00 MTBF Series	Development		
383	Demonstration Test Report	AUC	2	2	7,217	0	4	3,608.50 MTBF Series	Development	10/80	03/81
383	Field Data and Operating Time	AIC	379	117	356,310	0	0	940.13 MTBF Functional	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	496	0	356,310	0	0	718.36 MTBMA	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	50	9	70,893	0	0	1,417.86 MTBF Functional	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	59	0	70,893	0	0	1,201.57 MTBMA	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	1	3	2,304	0	0	2,304.00 MTBF Functional	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	4	0	2,304	0	0	576.00 MTBMA	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	0	1	10,368	0	0	14,961.03 MTBF Functional	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	1	0	10,368	0	0	10,368.00 MTBMA	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	28	21	60,921	0	0	2,175.75 MTBF Functional	Operational	07/83	06/85
383	Field Data and Operating Time	AIC	49	0	60,921	0	0	1,243.28 MTBMA	Operational	07/83	06/85
383	Field Data and Operating Time	AUB	95	43	136,257	0	0	1,434.28 MTBF Functional	Operational	07/83	06/85
383	Field Data and Operating Time	AUB	138	0	136,257	0	0	987.36 MTBMA	Operational	07/83	06/85
383	Field Data and Operating Time	AUB	72	25	70,915	0	0	984.93 MTBF Functional	Operational	07/83	06/85
383	Field Data and Operating Time	AUB	97	0	70,915	0	0	731.08 MTBMA	Operational	07/83	06/85

Communications, Modulator/Demodulator

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
29	Contract Spec/Requirement	GF	0	0	0	0	0	5,000.00 MTBF Series	Development	08/73	10/73
29	Analysis & Prediction Report	GF	0	0	0	0	0	8,659.00 MTBF Series	Development	08/73	10/73
29	Demonstration Test Report	GF	0	0	4,536	0	0	6,545.45 MTBF Series	Development	10/73	11/73
29	Field Data and Operating Time	GF	18	0	197,532	0	10	10,974.00 MTBF Functional	Operational	04/73	04/77
29	Field Data and Operating Time	GF	50	0	279,072	0	17	5,581.44 MTBMA	Operational	07/85	08/85
29	Field Data and Operating Time	GF	72	0	279,072	0	17	3,876.00 MTBM	Operational	07/85	08/85
29	Field Data and Operating Time	GF	26	24	279,072	0	17	10,733.53 MTBF Functional	Operational	07/85	08/85
246	Contract Spec/Requirement	GB	0	0	0	0	0	1,923.00 MTBF Series	Development		
246	Analysis & Prediction Report	GB	0	0	0	0	0	1,976.00 MTBF Series	Development		
246	Demonstration Test Report	GB	2	0	4,327	0	0	2,163.50 MTBF Series	Development		
263	Contract Spec/Requirement	GF	0	0	0	0	0	5,000.00 MTBF Series	Development		
263	Analysis & Prediction Report	GF	0	0	0	0	0	7,732.00 MTBF Series	Development		
263	Demonstration Test Report	GF	0	0	4,450	0	0	6,421.35 MTBF Series	Development		

Communications, Power Supply

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
171	Analysis & Prediction Report	AU	0	0	0	0	0	20,205.00 MTBF Series	Production		

Communications, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
114	Contract Spec/Requirement	AUF	0	0	0	0	0	600.00 MTBF Series	Development		
114	Analysis & Prediction Report	AU	0	0	0	0	0	2,270.00 MTBF Series	Development		
114	Demonstration Test Report	AUF	9	15	5,069	3,620	0	563.22 MTBF Series	Development	11/72	11/73
114	Production Sample Verification	AUF	3	8	3,877	2,770	0	1,292.33 MTBF Series	Production	11/74	03/75
114	Production Sample Verification	AUF	5	8	3,430	2,450	0	686.00 MTBF Series	Production	01/76	08/76
114	Production Sample Verification	AUF	1	1	1,754	1,255	0	1,754.00 MTBF Series	Production	10/76	12/76
114	Simulated Operation	AUF	2	4	2,368	0	0	1,184.00 MTBF Series	Development	07/72	11/74
114	Simulated Operation	AUF	1	0	2,073	0	0	2,073.00 MTBF Series	Development	04/74	06/75
114	Field Data and Operating Time	AUF	1,497	740	178,344	0	0	119.13 MTBF Functional	Operational	05/83	04/85
114	Field Data and Operating Time	AUF	2,237	0	178,344	0	0	79.72 MTBMA	Operational	05/83	04/85

Communications, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
110	Simulated Operation	AUF	0	0	908	0	0	1,310.24 MTBF Series	Development	07/72	11/74
110	Simulated Operation	AUF	0	0	1,124	0	0	1,621.93 MTBF Series	Development	04/74	06/75
110	Field Data and Operating Time	AUF	555	568	178,344	0	0	321.34 MTBF Functional	Operational	05/83	04/85
110	Field Data and Operating Time	AUF	1,123	0	178,344	0	0	158.81 MTBMA	Operational	05/83	04/85
110	Field Data and Operating Time	AUF	365	349	173,620	0	0	475.67 MTBF Functional	Operational	05/83	04/85
110	Field Data and Operating Time	AUF	714	0	173,620	0	0	243.16 MTBMA	Operational	05/83	04/85

Communications, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
111	Simulated Operation	AUF	5	0	887	0	0	177.40 MTBF Series	Development	07/72	11/74
111	Simulated Operation	AUF	5	0	1,101	0	0	220.20 MTBF Series	Development	04/74	06/75
111	Field Data and Operating Time	AUF	1,342	593	178,344	0	0	132.89 MTBF Functional	Operational	05/83	04/85
111	Field Data and Operating Time	AUF	1,935	0	178,344	0	0	92.16 MTBMA	Operational	05/83	04/85
111	Field Data and Operating Time	AUF	1,001	325	173,620	0	0	173.44 MTBF Functional	Operational	05/83	04/85
111	Field Data and Operating Time	AUF	1,326	0	173,620	0	0	130.93 MTBMA	Operational	05/83	04/85
112	Simulated Operation	AUF	3	0	3,767	0	0	1,255.66 MTBF Series	Development	07/72	11/74
112	Simulated Operation	AUF	2	0	2,465	0	0	1,232.50 MTBF Series	Development	04/74	06/75
112	Field Data and Operating Time	AUF	1,057	908	178,344	0	0	168.72 MTBF Functional	Operational	05/83	04/85
112	Field Data and Operating Time	AUF	1,965	0	178,344	0	0	90.76 MTBMA	Operational	05/83	04/85
112	Field Data and Operating Time	AUF	896	606	173,620	0	0	193.77 MTBF Functional	Operational	05/83	04/85
112	Field Data and Operating Time	AUF	1,502	0	173,620	0	0	115.59 MTBMA	Operational	05/83	04/85
112	Field Data and Operating Time	AUF	667	383	303,981	0	0	455.74 MTBF Functional	Operational	05/83	04/85
112	Field Data and Operating Time	AUF	1,050	0	303,981	0	0	289.50 MTBMA	Operational	05/83	04/85
112	Field Data and Operating Time	AUF	152	132	53,220	0	0	350.13 MTBF Functional	Operational	05/83	04/85
112	Field Data and Operating Time	AUF	284	0	53,220	0	0	187.39 MTBMA	Operational	05/83	04/85
115	Contract Spec/Requirement	AUF	0	0	0	0	0	450.00 MTBF Series	Production		
115	Analysis & Prediction Report	AU	0	0	0	0	0	1,467.00 MTBF Series	Production	07/71	09/74
115	Analysis & Prediction Report	AU	0	0	0	0	0	1,734.00 MTBF Series	Production	09/74	
115	Production Sample Verification	AUF	6	8	4,013	2,866	12	668.83 MTBF Series	Production	12/74	06/75
115	Production Sample Verification	AUF	2	3	2,174	1,555	0	1,087.00 MTBF Series	Production	01/76	03/76
115	Production Sample Verification	AUF	0	0	1,292	945	0	1,864.35 MTBF Series	Production	11/76	11/76
115	Simulated Operation	AUF	3	0	2,368	0	0	789.33 MTBF Series	Development	07/72	11/74
115	Simulated Operation	AUF	4	0	2,129	0	0	532.25 MTBF Series	Development	04/74	06/75

Communications, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
115	Field Data and Operating Time	AUF	271	223	178,344	0	0	658.09 MTBF Functional	Operational	05/83	04/85
115	Field Data and Operating Time	AUF	494	0	178,344	0	0	361.02 MTBMA	Operational	05/83	04/85
154	Analysis & Prediction Report	AU	0	0	0	0	0	1,705.00 MTBF Series	Development		
154	Analysis & Prediction Report	AU	0	0	0	0	0	1,619.00 MTBF Series	Development		
154	Analysis & Prediction Report	AU	0	0	0	0	0	1,946.00 MTBF Series	Development		
154	Demonstration Test Report	AU	21	48	4,031	2,919	0	191.95 MTBF Series	Development		
158	Analysis & Prediction Report	AU	0	0	0	0	0	2,696.00 MTBF Series	Development		
158	Analysis & Prediction Report	AU	0	0	0	0	0	2,857.00 MTBF Series	Development		
158	Demonstration Test Report	AU	2	0	133	0	0	66.50 MTBF Series	Development	09/73	10/73
158	Demonstration Test Report	AU	5	13	899	0	0	179.80 MTBF Series	Development	10/73	10/73
158	Demonstration Test Report	AU	3	27	3,083	0	0	1,027.66 MTBF Series	Development	10/73	12/73
158	Demonstration Test Report	AU	0	3	376	0	0	542.56 MTBF Series	Development		12/73
172	Analysis & Prediction Report	AU	0	0	0	0	0	1,970.00 MTBF Series	Development		
172	Demonstration Test Report	AU	12	6	4,028	1,342	0	335.66 MTBF Series	Development	10/73	12/73
173	Analysis & Prediction Report	AU	0	0	0	0	0	2,690.00 MTBF Series	Production		
173	Production Sample Verification	AU	0	0	162	81	0	233.76 MTBF Series	Production	07/75	07/75
173	Production Sample Verification	AU	5	0	1,271	636	20	254.20 MTBF Series	Production	08/75	08/75
173	Production Sample Verification	AU	6	0	1,121	560	17	186.83 MTBF Series	Production	09/75	09/75
173	Production Sample Verification	AU	3	0	1,146	573	19	382.00 MTBF Series	Production	10/75	10/75
173	Production Sample Verification	AU	10	1	2,600	1,300	42	260.00 MTBF Series	Production	11/75	11/75
173	Production Sample Verification	AU	9	1	2,451	1,225	33	272.33 MTBF Series	Production	12/75	12/75
173	Production Sample Verification	AU	11	2	2,746	1,373	43	249.63 MTBF Series	Production	01/76	01/76
173	Production Sample Verification	AU	6	2	3,418	1,709	56	569.66 MTBF Series	Production	02/76	02/76
173	Production Sample Verification	AU	30	3	5,742	2,871	85	191.40 MTBF Series	Production	03/76	03/76
173	Production Sample Verification	AU	8	0	7,394	3,697	125	924.25 MTBF Series	Production	04/76	04/76
173	Production Sample Verification	AU	22	0	8,518	4,257	139	387.18 MTBF Series	Production	05/76	05/76
173	Production Sample Verification	AU	62	10	12,641	6,320	202	203.88 MTBF Series	Production	06/76	06/76
173	Production Sample Verification	AU	27	4	7,737	3,869	115	286.55 MTBF Series	Production	07/76	07/76
173	Production Sample Verification	AU	70	3	15,804	7,902	261	225.77 MTBF Series	Production	08/76	08/76
173	Production Sample Verification	AU	49	3	14,981	7,491	252	305.73 MTBF Series	Production	09/76	09/76
173	Production Sample Verification	AU	60	1	10,961	5,480	180	182.68 MTBF Series	Production	10/76	10/76
173	Production Sample Verification	AU	16	1	9,818	4,909	177	613.62 MTBF Series	Production	11/76	11/76
173	Production Sample Verification	AU	37	1	9,565	4,782	168	258.51 MTBF Series	Production	12/76	12/76
173	Production Sample Verification	AU	20	1	7,041	3,521	123	352.05 MTBF Series	Production	01/77	01/77
173	Production Sample Verification	AU	31	1	12,941	6,470	233	417.45 MTBF Series	Production	02/77	02/77

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
173	Production Sample Verification	AU	34	3	7,433	3,716	133	218.61 MTBF Series	Production	03/77	03/77
173	Production Sample Verification	AU	8	0	375	188	0	46.87 MTBF Series	Production	04/77	04/77
173	Production Sample Verification	AU	28	0	6,292	3,146	225	224.71 MTBF Series	Production	05/77	05/77
173	Production Sample Verification	AU	31	0	5,906	2,953	223	190.51 MTBF Series	Production	06/77	06/77
173	Production Sample Verification	AU	10	0	2,652	1,326	102	265.20 MTBF Series	Production	07/77	07/77
173	Production Sample Verification	AU	22	0	5,900	2,950	206	268.18 MTBF Series	Production	08/77	08/77
173	Production Sample Verification	AU	16	0	6,838	3,419	250	427.37 MTBF Series	Production	09/77	09/77
173	Production Sample Verification	AU	15	0	5,286	2,643	202	352.40 MTBF Series	Production	10/77	10/77
173	Production Sample Verification	AU	19	0	8,537	4,268	302	449.31 MTBF Series	Production	11/77	11/77
173	Production Sample Verification	AU	24	0	5,849	2,925	205	243.70 MTBF Series	Production	12/77	12/77
173	Production Sample Verification	AU	14	0	7,118	3,559	224	508.42 MTBF Series	Production	01/78	01/78
173	Production Sample Verification	AU	26	0	6,882	3,441	244	264.69 MTBF Series	Production	02/78	02/78
173	Production Sample Verification	AU	8	0	3,687	1,843	146	460.87 MTBF Series	Production	03/77	03/77
173	Production Sample Verification	AU	25	0	7,124	3,562	267	284.96 MTBF Series	Production	04/77	04/77
173	Field Data and Operating Time	AUB	11	4	131,750	0	0	11,977.27 MTBF Functional	Operational	09/83	08/85
173	Field Data and Operating Time	AUB	15	0	131,750	0	0	8,783.33 MTBMA	Operational	09/83	08/85
173	Field Data and Operating Time	AUB	2	0	131,750	0	0	65,875.00 MTBF Functional	Operational	09/83	08/85
173	Field Data and Operating Time	AUB	2	0	131,750	0	0	65,875.00 MTBMA	Operational	09/83	08/85
173	Field Data and Operating Time	AUB	0	0	0	0	0	0.00 MTBF Functional	Operational	09/83	08/85
173	Field Data and Operating Time	AUB	0	0	0	0	0	0.00 MTBMA	Operational	09/83	08/85
173	Field Data and Operating Time	AUB	1	0	67,909	0	0	67,909.00 MTBF Functional	Operational	09/83	08/85
173	Field Data and Operating Time	AUB	1	0	67,909	0	0	67,909.00 MTBMA	Operational	09/83	08/85
173	Field Data and Operating Time	AUC	2	1	24,985	0	20	12,492.50 MTBF Functional	Operational	05/76	12/77
173	Field Data and Operating Time	AUC	0	0	17,898	0	20	25,826.83 MTBF Functional	Operational	05/76	12/77
173	Field Data and Operating Time	AUF	3	0	4,191	0	10	1,397.00 MTBF Functional	Operational	05/76	12/77
173	Field Data and Operating Time	AUF	1	0	2,431	0	10	2,431.00 MTBF Functional	Operational	05/76	12/77
173	Field Data and Operating Time	AUF	354	0	356,688	0	0	1,007.59 MTBMA	Operational	05/83	04/85
173	Field Data and Operating Time	AUF	203	151	356,688	0	0	1,757.08 MTBF Functional	Operational	05/83	04/85
173	Field Data and Operating Time	AUF	618	438	356,688	0	0	577.16 MTBF Functional	Operational	05/83	04/85
173	Field Data and Operating Time	AUF	1,056	0	356,688	0	0	337.77 MTBMA	Operational	05/83	04/85
173	Field Data and Operating Time	AUF	80	72	24,207	0	0	302.58 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	152	0	24,207	0	0	159.25 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	86	46	43,935	0	0	510.87 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	132	0	43,935	0	0	332.84 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	202	112	39,991	0	0	197.97 MTBF Functional	Operational	06/83	05/85

Communications, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
173	Field Data and Operating Time	AUF	314	0	39,991	0	0	127.35 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	34	21	38,558	0	0	1,134.05 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	55	0	38,558	0	0	701.05 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	287	150	39,513	0	0	137.67 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	437	0	39,513	0	0	90.41 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	25	27	13,740	0	0	549.60 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	52	0	13,740	0	0	264.23 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	211	152	24,207	0	0	114.72 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	363	0	24,207	0	0	66.68 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	4	1	24,207	0	0	6,051.75 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	5	0	24,207	0	0	4,841.40 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	2	1	43,935	0	0	21,967.50 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	3	0	43,935	0	0	14,645.00 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	2	1	39,991	0	0	19,995.50 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	3	0	39,991	0	0	13,330.33 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	3	2	38,558	0	0	12,852.66 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	5	0	38,558	0	0	7,711.60 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUF	1	0	13,740	0	0	13,740.00 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUT	304	59	101,203	0	0	332.90 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUT	363	0	101,203	0	0	278.79 MTBMA	Operational	06/83	05/85
173	Field Data and Operating Time	AUT	184	40	128,203	0	0	696.75 MTBF Functional	Operational	06/83	05/85
173	Field Data and Operating Time	AUT	224	0	128,203	0	0	572.33 MTBMA	Operational	06/83	05/85
174	Analysis & Prediction Report	AI	0	0	0	0	0	2,007.00 MTBF Series	Production		
174	Production Sample Verification	AI	4	1	858	429	12	214.50 MTBF Series	Production	12/75	12/75
174	Production Sample Verification	AI	2	0	453	226	0	226.50 MTBF Series	Production	01/76	01/76
174	Production Sample Verification	AI	1	2	271	135	0	271.00 MTBF Series	Production	02/76	02/76
174	Production Sample Verification	AI	5	0	615	307	10	123.00 MTBF Series	Production	03/76	03/76
174	Production Sample Verification	AI	3	0	950	475	17	316.66 MTBF Series	Production	04/76	04/76
174	Production Sample Verification	AI	6	1	633	317	0	105.50 MTBF Series	Production	05/76	05/76
174	Production Sample Verification	AI	6	0	1,890	945	31	315.00 MTBF Series	Production	06/76	06/76
174	Production Sample Verification	AI	10	4	1,378	689	23	137.80 MTBF Series	Production	07/76	07/76
174	Production Sample Verification	AI	14	1	1,928	964	33	137.71 MTBF Series	Production	08/76	08/76
174	Production Sample Verification	AI	9	8	2,417	1,209	41	268.55 MTBF Series	Production	09/76	09/76
174	Production Sample Verification	AI	15	2	1,466	733	23	97.73 MTBF Series	Production	10/76	10/76
174	Production Sample Verification	AI	3	0	1,805	902	30	601.66 MTBF Series	Production	11/76	11/76

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Communications, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
174	Production Sample Verification	AI	6	0	1,616	808	29	269.33 MTBF Series	Production	12/76	12/76
174	Production Sample Verification	AI	7	0	1,813	907	36	259.00 MTBF Series	Production	01/77	01/77
174	Production Sample Verification	AI	7	0	1,977	989	36	282.42 MTBF Series	Production	02/77	02/77
174	Production Sample Verification	AI	6	0	2,504	1,252	19	417.33 MTBF Series	Production	03/77	03/77
174	Production Sample Verification	AI	9	0	1,656	828	64	184.00 MTBF Series	Production	04/77	04/77
174	Production Sample Verification	AI	7	0	1,771	885	59	253.00 MTBF Series	Production	05/77	05/77
174	Production Sample Verification	AI	6	1	641	320	21	106.83 MTBF Series	Production	06/77	06/77
174	Production Sample Verification	AI	4	0	873	436	33	218.25 MTBF Series	Production	07/77	07/77
174	Production Sample Verification	AI	10	1	2,278	1,139	74	227.80 MTBF Series	Production	08/77	08/77
174	Production Sample Verification	AI	3	0	2,005	1,003	75	668.33 MTBF Series	Production	09/77	09/77
174	Production Sample Verification	AI	4	0	2,007	1,003	75	501.75 MTBF Series	Production	10/77	10/77
174	Production Sample Verification	AI	3	0	1,663	831	57	554.33 MTBF Series	Production	11/77	11/77
174	Production Sample Verification	AI	4	0	930	465	33	232.50 MTBF Series	Production	12/77	12/77
174	Production Sample Verification	AI	5	0	2,129	1,065	74	425.80 MTBF Series	Production	01/78	01/78
174	Production Sample Verification	AI	6	0	1,601	801	56	266.83 MTBF Series	Production	02/78	02/78
174	Production Sample Verification	AI	0	0	278	139	11	401.15 MTBF Series	Production	03/77	03/77
175	Analysis & Prediction Report	AI	0	0	0	0	0	2,008.00 MTBF Series	Production		
175	Production Sample Verification	AI	0	0	328	164	0	473.30 MTBF Series	Production	08/75	08/75
175	Production Sample Verification	AI	11	2	2,140	1,070	33	194.54 MTBF Series	Production	09/75	09/75
175	Production Sample Verification	AI	17	7	3,172	1,586	51	186.58 MTBF Series	Production	10/75	10/75
175	Production Sample Verification	AI	10	3	2,550	1,275	39	255.00 MTBF Series	Production	11/75	11/75
175	Production Sample Verification	AI	26	7	2,295	1,147	31	88.26 MTBF Series	Production	12/75	12/75
175	Production Sample Verification	AI	6	0	752	376	10	125.33 MTBF Series	Production	01/76	01/76
175	Production Sample Verification	AI	5	0	1,839	920	29	367.80 MTBF Series	Production	02/76	02/76
175	Production Sample Verification	AI	16	3	5,705	2,852	78	356.56 MTBF Series	Production	03/76	03/76
175	Production Sample Verification	AI	21	7	5,676	2,838	87	270.28 MTBF Series	Production	04/76	04/76
175	Production Sample Verification	AI	10	0	2,572	1,286	43	257.20 MTBF Series	Production	05/76	05/76
175	Production Sample Verification	AI	18	5	5,422	2,711	90	301.22 MTBF Series	Production	06/76	06/76
175	Production Sample Verification	AI	8	3	4,772	2,386	76	596.50 MTBF Series	Production	07/76	07/76
175	Production Sample Verification	AI	37	5	5,413	2,706	86	146.29 MTBF Series	Production	08/76	08/76
175	Production Sample Verification	AI	17	1	6,638	3,319	113	390.47 MTBF Series	Production	09/76	09/76
175	Production Sample Verification	AI	31	0	4,871	2,435	72	157.12 MTBF Series	Production	10/76	10/76
175	Production Sample Verification	AI	32	2	9,605	4,802	169	300.15 MTBF Series	Production	11/76	11/76
175	Production Sample Verification	AI	29	0	7,367	3,683	132	254.03 MTBF Series	Production	12/76	12/76
175	Production Sample Verification	AI	29	1	8,492	4,246	148	292.82 MTBF Series	Production	01/77	01/77

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EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
175	Production Sample Verification	AI	45	3	9,605	4,802	159	213.44 MTBF Series	Production	02/77	02/77
175	Production Sample Verification	AI	28	1	5,913	2,956	108	211.17 MTBF Series	Production	03/77	03/77
175	Production Sample Verification	AI	11	0	2,522	1,261	98	229.27 MTBF Series	Production	04/77	04/77
175	Production Sample Verification	AI	14	0	3,576	1,788	128	255.42 MTBF Series	Production	05/77	05/77
175	Production Sample Verification	AI	20	0	4,804	2,402	180	240.20 MTBF Series	Production	06/77	06/77
175	Production Sample Verification	AI	7	0	1,610	805	61	230.00 MTBF Series	Production	07/77	07/77
175	Production Sample Verification	AI	14	0	4,928	2,464	171	352.00 MTBF Series	Production	08/77	08/77
175	Production Sample Verification	AI	15	0	3,944	1,472	145	262.93 MTBF Series	Production	09/77	09/77
175	Production Sample Verification	AI	21	0	5,012	2,506	185	238.66 MTBF Series	Production	10/77	10/77
175	Production Sample Verification	AI	17	0	3,719	1,859	132	218.76 MTBF Series	Production	11/77	11/77
175	Production Sample Verification	AI	12	0	3,684	1,842	131	307.00 MTBF Series	Production	12/77	12/77
175	Production Sample Verification	AI	8	0	3,292	1,646	94	411.50 MTBF Series	Production	01/78	01/78
175	Production Sample Verification	AI	17	0	4,624	2,312	155	272.00 MTBF Series	Production	02/78	02/78
175	Production Sample Verification	AI	6	0	1,890	945	74	315.00 MTBF Series	Production	03/77	03/77
175	Field Data and Operating Time	AIA	905	626	450,653	0	0	497.95 MTBF Functional	Operational	06/83	05/85
175	Field Data and Operating Time	AIA	1,531	0	450,653	0	0	294.35 MTBMA	Operational	06/83	05/85
175	Field Data and Operating Time	AIF	1,517	1,286	303,981	0	0	200.38 MTBF Functional	Operational	05/83	04/85
175	Field Data and Operating Time	AIF	2,803	0	303,981	0	0	108.44 MTBF Functional	Operational	05/83	04/85
175	Field Data and Operating Time	AIF	295	182	53,220	0	0	180.40 MTBF Functional	Operational	05/83	04/85
175	Field Data and Operating Time	AIF	477	0	53,220	0	0	111.57 MTBMA	Operational	05/83	04/85
175	Field Data and Operating Time	AIT	23	1	10,227	0	15	444.65 MTBF Functional	Operational	05/76	12/77
175	Field Data and Operating Time	AIT	3	0	6,012	0	15	2,004.00 MTBF Functional	Operational	05/76	12/77
175	Field Data and Operating Time	AIT	11	0	8,468	0	15	769.81 MTBF Functional	Operational	05/76	12/77
175	Field Data and Operating Time	AIT	10	1	5,957	0	15	595.70 MTBF Functional	Operational	05/76	12/77
175	Field Data and Operating Time	AIT	1,604	332	681,673	0	0	424.98 MTBF Functional	Operational	08/83	07/85
175	Field Data and Operating Time	AIT	1,936	0	681,673	0	0	352.10 MTBMA	Operational	08/83	07/85
175	Field Data and Operating Time	AIT	511	140	62,765	0	0	122.82 MTBF Functional	Operational	08/83	07/85
175	Field Data and Operating Time	AIT	651	0	62,765	0	0	96.41 MTBMA	Operational	08/83	07/85
199	Analysis & Prediction Report	GF	0	0	0	0	0	1,787.00 MTBF Series	Development		
199	Analysis & Prediction Report	GF	0	0	0	0	0	2,375.00 MTBF Series	Development		
199	Demonstration Test Report	GF	2	7	2,980	0	0	1,490.00 MTBF Series	Development	12/74	02/75
199	Production Sample Verification	GF	3	4	14,554	0	25	4,851.33 MTBF Series	Production	07/75	07/75
199	Production Sample Verification	GF	1	1	4,997	0	25	4,997.00 MTBF Series	Production	08/75	09/75
199	Production Sample Verification	GF	0	2	2,752	0	10	3,971.13 MTBF Series	Production	09/75	10/75
199	Production Sample Verification	GF	2	0	6,277	0	20	3,138.50 MTBF Series	Production	11/75	11/75

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

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199	Production Sample Verification	GF	0	0	2,764	0	10	3,988.45 MTBF Series	Production	12/75	12/75
199	Production Sample Verification	GF	0	0	2,927	0	25	4,223.66 MTBF Series	Production	01/76	01/76
199	Production Sample Verification	GF	0	1	2,774	0	25	4,002.88 MTBF Series	Production	02/76	02/76
199	Production Sample Verification	GF	3	3	6,334	0	40	2,111.33 MTBF Series	Production	03/76	04/76
199	Production Sample Verification	GF	0	1	2,794	0	24	4,031.74 MTBF Series	Production	04/76	04/76
199	Production Sample Verification	GF	3	0	6,329	0	25	2,109.66 MTBF Series	Production	05/76	05/76
199	Production Sample Verification	GF	0	1	2,768	0	25	3,994.22 MTBF Series	Production	07/76	07/76
199	Simulated Operation	GF	4	0	62,941	0	10	15,735.25 MTBF Series	Development	09/75	06/76
199	Simulated Operation	GF	5	0	60,177	0	10	12,035.40 MTBF Series	Development	10/75	06/76
199	Simulated Operation	GF	1	0	49,853	0	10	49,853.00 MTBF Series	Development	11/75	06/76
199	Field Data and Operating Time	GF	33	0	64,260	0	150	1,947.27 MTBMA	Operational	01/78	06/78
199	Field Data and Operating Time	GF	27	0	364,260	0	150	13,491.11 MTBMA	Operational	07/78	12/78
199	Field Data and Operating Time	GF	19	0	363,180	0	142	19,114.73 MTBMA	Operational	01/79	06/79
199	Field Data and Operating Time	GF	34	0	339,060	0	90	9,972.35 MTBMA	Operational	07/79	12/79
199	Field Data and Operating Time	GF	24	0	339,060	0	90	14,127.50 MTBMA	Operational	01/80	06/80
199	Field Data and Operating Time	GF	84	0	642,510	0	119	7,648.92 MTBMA	Operational	09/81	07/82
199	Field Data and Operating Time	GF	2,592	0	29,236,500	0	1,670	11,279.51 MTBM	Operational	07/83	06/85
199	Field Data and Operating Time	GF	1,959	0	29,236,500	0	1,670	14,924.19 MTBMA	Operational	07/83	06/85
199	Field Data and Operating Time	GF	1,223	736	29,236,500	0	1,670	23,905.56 MTBF Functional	Operational	07/83	06/85
301	Simulated Operation	AIA	3	4	1,325	0	0	441.66 MTBF Series	Development	03/75	06/76
301	Field Data and Operating Time	AIA	976	499	450,653	0	0	461.73 MTBF Functional	Operational	06/83	05/85
301	Field Data and Operating Time	AIA	1,475	0	450,653	0	0	305.52 MTBMA	Operational	06/83	05/85
381	Analysis & Prediction Report	AUC	0	0	0	0	0	2,100.00 MTBF Series	Development		
381	Field Data and Operating Time	AIC	445	218	356,310	0	0	800.69 MTBF Functional	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	663	0	356,310	0	0	537.42 MTBMA	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	45	10	70,893	0	0	1,575.40 MTBF Functional	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	55	0	70,893	0	0	1,288.96 MTBMA	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	2	2	2,305	0	0	1,152.50 MTBF Functional	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	4	0	2,305	0	0	576.25 MTBMA	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	2	0	10,368	0	0	5,184.00 MTBF Functional	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	2	0	10,368	0	0	5,184.00 MTBMA	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	33	38	60,921	0	0	1,846.09 MTBF Functional	Operational	07/83	06/85
381	Field Data and Operating Time	AIC	71	0	60,921	0	0	858.04 MTBMA	Operational	07/83	06/85
381	Field Data and Operating Time	AUB	254	128	136,257	0	0	536.44 MTBF Functional	Operational	07/83	06/85
381	Field Data and Operating Time	AUB	382	0	136,257	0	0	356.69 MTBMA	Operational	07/83	06/85

Communications, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
381	Field Data and Operating Time	AUB	144	106	70,915	0	0	492.46 MTBF Functional	Operational	07/83	06/85
381	Field Data and Operating Time	AUB	250	0	70,915	0	0	283.66 MTBMA	Operational	07/83	06/85

Computer,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
2	Analysis & Prediction Report	GB	0	0	0	0	0	385.00 MTBF Functional	Development	01/74	
2	Analysis & Prediction Report	GB	0	0	0	0	0	399.00 MTBF Functional	Development	02/76	08/76
2	Demonstration Test Report	GB	6	0	319	0	0	53.16 MTBF Functional	Operational	12/76	12/76
2	Field Data and Operating Time	GB	12	0	17,520	0	0	1,460.00 MTBF Functional	Operational	08/83	07/85
2	Field Data and Operating Time	GB	12	0	17,520	0	0	1,460.00 MTBMA	Operational	08/83	07/85
2	Field Data and Operating Time	GB	13	0	17,520	0	0	1,347.69 MTBM	Operational	08/83	07/85
43	Contract Spec/Requirement	AUF	0	0	0	0	0	1,500.00 MTBF Series	Development		
43	Analysis & Prediction Report	AU	0	0	0	0	0	2,705.00 MTBF Series	Development		02/73
43	Demonstration Test Report	AUF	7	10	9,536	7,417	0	1,362.28 MTBF Series	Development	02/73	04/74
43	Production Sample Verification	AUF	4	6	4,973	3,867	0	1,243.25 MTBF Series	Production	11/74	06/75
43	Simulated Operation	AUF	4	0	10,656	0	10	2,664.00 MTBF Series	Development	07/72	11/74
43	Simulated Operation	AUF	2	9	5,282	0	0	2,641.00 MTBF Series	Development	04/74	06/75
43	Field Data and Operating Time	AUF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
43	Field Data and Operating Time	AUF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
43	Field Data and Operating Time	AUF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
43	Field Data and Operating Time	AUF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
43	Field Data and Operating Time	AUF	1,594	0	356,688	0	0	223.76 MTBMA	Operational	05/83	04/85
43	Field Data and Operating Time	AUF	480	1,114	356,688	0	0	743.10 MTBF Functional	Operational	05/83	04/85
43	Field Data and Operating Time	AUF	526	844	347,240	0	0	660.15 MTBF Functional	Operational	05/83	04/85
43	Field Data and Operating Time	AUF	1,370	0	347,240	0	0	253.45 MTBMA	Operational	05/83	04/85
116	Demonstration Test Report	AUF	7	11	5,665	3,399	0	809.28 MTBF Series	Development	01/73	09/73
116	Simulated Operation	AUF	1	14	2,677	0	0	2,677.00 MTBF Series	Development	04/74	06/75
116	Simulated Operation	AUF	2	0	5,382	0	0	2,691.00 MTBF Series	Development	07/72	11/74
116	Field Data and Operating Time	AUF	19	0	18,044	0	161	949.68 MTBM	Operational	01/77	06/77
116	Field Data and Operating Time	AUF	33	0	24,470	0	203	741.51 MTBM	Operational	07/77	12/77
116	Field Data and Operating Time	AUF	1	0	30,705	0	269	30,705.00 MTBM	Operational	01/78	06/78
116	Field Data and Operating Time	AUF	4	0	37,453	0	296	9,363.25 MTBM	Operational	07/78	12/78
116	Field Data and Operating Time	AUF	185	364	178,344	0	0	964.02 MTBF Functional	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Computer,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
116	Field Data and Operating Time	AUF	549	0	178,344	0	0	324.85 MTBMA	Operational	05/83	04/85
116	Field Data and Operating Time	AUF	460	672	173,620	0	0	377.43 MTBF Functional	Operational	05/83	04/85
116	Field Data and Operating Time	AUF	1,132	0	173,620	0	0	153.37 MTBMA	Operational	05/83	04/85
230	Contract Spec/Requirement	GB	0	0	0	0	0	545.00 MTBF Series	Development		
230	Analysis & Prediction Report	GB	0	0	0	0	0	537.00 MTBF Series	Development		
230	Analysis & Prediction Report	GB	0	0	0	0	0	579.00 MTBF Functional	Development		
230	Demonstration Test Report	GB	0	0	1,198	0	0	1,728.71 MTBF Functional	Development		
230	Demonstration Test Report	GB	0	0	1,195	0	0	1,724.38 MTBF Functional	Development		
230	Demonstration Test Report	GB	1	8	1,656	0	0	1,656.00 MTBF Functional	Development	12/70	02/71
230	Demonstration Test Report	GB	1	1	1,637	0	0	1,637.00 MTBF Functional	Development	12/70	02/71
230	Field Data and Operating Time	GB	245	79	169,687	0	31	692.60 MTBF Functional	Operational	01/77	12/77
230	Field Data and Operating Time	GB	324	0	169,687	0	31	523.72 MTBMA	Operational	01/77	12/77
230	Field Data and Operating Time	GB	344	0	169,687	0	31	493.27 MTBM	Operational	01/77	12/77
230	Field Data and Operating Time	GB	20	0	169,687	0	31	8,484.35 MTBPM	Operational	01/77	12/77
230	Field Data and Operating Time	GB	319	0	224,840	0	14	704.82 MTBMA	Operational	09/83	08/85
230	Field Data and Operating Time	GB	138	181	224,840	0	14	1,629.27 MTBF Functional	Operational	09/83	08/85
244	Contract Spec/Requirement	NSS	0	0	0	0	0	2,000.00 MTBF Series	Development	01/76	09/77
244	Analysis & Prediction Report	NSS	0	0	0	0	0	2,066.00 MTBF Series	Development		11/76
244	Analysis & Prediction Report	NSS	0	0	0	0	0	304.00 MTBF Series	Development		
244	Demonstration Test Report	NSS	8	0	14,305	0	0	1,788.12 MTBF Series	Development	12/75	06/76
244	Field Data and Operating Time	NS	0	1	7,647	0	0	11,034.63 MTBF Functional	Operational	03/79	09/79
244	Field Data and Operating Time	NS	1	0	7,647	0	0	7,647.00 MTBMA	Operational	03/79	09/79
244	Field Data and Operating Time	NS	18	0	29,952	0	11	1,664.00 MTBF Functional	Operational	06/76	03/77
244	Field Data and Operating Time	NSB	2	0	4,475	0	0	2,237.50 MTBF Functional	Operational	06/76	03/77
261	Contract Spec/Requirement	GB	0	0	0	0	0	8,650.00 MTBF Functional	Development		
261	Allocation/Apportion	GB	0	0	0	0	0	84.00 MTBF Series	Development		
261	Analysis & Prediction Report	GB	0	0	0	0	0	62.50 MTBF Series	Development		
261	Analysis & Prediction Report	GB	0	0	0	0	0	15,944.00 MTBF Functional	Development		
261	Field Data and Operating Time	GB	2,741	0	35,040	0	2	12.78 MTBMA	Operational	08/83	07/85
261	Field Data and Operating Time	GB	1,161	1,580	35,040	0	2	30.18 MTBF Functional	Operational	08/83	07/85
303	Analysis & Prediction Report	GBC	0	0	0	0	0	370.00 MTBF Series	Operational		
303	Field Data and Operating Time	GBC	26	0	17,370	0	0	668.07 MTBMA	Operational	08/73	10/75
341	Contract Spec/Requirement	AUF	0	0	0	0	0	720.00 MTBF Series	Development		
341	Analysis & Prediction Report	AUF	0	0	0	0	0	2,350.00 MTBF Series	Development		
341	Demonstration Test Report	AUF	0	0	0	0	0	504.00 MTBF Series	Development		

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Computer,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
341	Field Data and Operating Time	AUF	712	2,141	303,981	0	0	426.93 MTBF Functional	Operational	05/83	04/85
341	Field Data and Operating Time	AUF	2,853	0	303,981	0	0	106.54 MTBMA	Operational	05/83	04/85
341	Field Data and Operating Time	AUF	123	315	53,220	0	0	432.68 MTBF Functional	Operational	05/83	04/85
341	Field Data and Operating Time	AUF	438	0	53,220	0	0	121.50 MTBMA	Operational	05/83	04/85
342	Contract Spec/Requirement	AIF	0	0	0	0	0	1,350.00 MTBF Series	Development		
342	Analysis & Prediction Report	AIF	0	0	0	0	0	3,961.00 MTBF Series	Development		
342	Analysis & Prediction Report	AIF	0	0	0	0	0	2,757.00 MTBF Series	Development		
342	Analysis & Prediction Report	AIF	0	0	0	0	0	788.00 MTBF Series	Development		
342	Field Data and Operating Time	AIF	397	450	303,981	0	0	765.69 MTBF Functional	Operational	05/83	04/85
342	Field Data and Operating Time	AIF	847	0	303,981	0	0	358.89 MTBMA	Operational	05/83	04/85
342	Field Data and Operating Time	AIF	71	101	53,220	0	0	749.57 MTBF Functional	Operational	05/83	04/85
342	Field Data and Operating Time	AIF	172	0	53,220	0	0	309.41 MTBMA	Operational	05/83	04/85

Computer, Computer (CPU)

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
35	Contract Spec/Requirement	AUF	0	0	0	0	0	1,345.00 MTBF Series	Development		11/74
35	Demonstration Test Report	AUF	3	57	3,002	1,365	0	1,000.66 MTBF Series	Development	11/72	12/73
35	Demonstration Test Report	AUF	0	21	1,277	580	0	1,842.71 MTBF Series	Development	04/74	06/74
35	Simulated Operation	AUF	4	0	4,306	0	0	1,076.50 MTBF Series	Development	07/72	11/74
35	Simulated Operation	AUF	0	73	2,726	0	0	3,933.62 MTBF Series	Development	04/74	06/75
35	Field Data and Operating Time	AUF	88	0	18,044	0	161	205.04 MTBM	Operational	01/77	06/77
35	Field Data and Operating Time	AUF	134	0	24,470	0	203	182.61 MTBM	Operational	07/77	12/77
35	Field Data and Operating Time	AUF	4	0	30,705	0	269	7,676.25 MTBM	Operational	01/78	06/78
35	Field Data and Operating Time	AUF	6	0	37,453	0	296	6,242.16 MTBM	Operational	07/78	12/78
35	Field Data and Operating Time	AUF	469	1,678	178,344	0	0	380.26 MTBF Functional	Operational	05/83	04/85
35	Field Data and Operating Time	AUF	2,147	0	178,344	0	0	83.06 MTBMA	Operational	05/83	04/85
35	Field Data and Operating Time	AUF	475	1,106	173,620	0	0	365.51 MTBF Functional	Operational	05/83	04/85
35	Field Data and Operating Time	AUF	1,581	0	173,620	0	0	109.81 MTBMA	Operational	05/83	04/85
257	Allocation/Apportion	GF	0	0	0	0	0	489.00 MTBF Functional	Development		
257	Analysis & Prediction Report	GF	0	0	0	0	0	119.00 MTBF Series	Development		
257	Analysis & Prediction Report	GF	0	0	0	0	0	559.00 MTBF Functional	Development		
257	Field Data and Operating Time	GF	879	0	35,040	0	2	39.86 MTBMA	Operational	08/83	07/85
257	Field Data and Operating Time	GF	352	527	35,040	0	2	99.54 MTBF Functional	Operational	08/83	07/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Computer, Computer (CPU)

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
262	Analysis & Prediction Report	GB	0	0	0	0	0	2,083.00 MTBF Series	Development		
262	Field Data and Operating Time	GB	92	0	35,040	0	2	380.86 MTBMA	Operational	08/83	07/85
262	Field Data and Operating Time	GB	27	65	35,040	0	2	1,297.77 MTBF Functional	Operational	08/83	07/85
265	Allocation/Apportion	GB	0	0	0	0	0	10,924.00 MTBF Functional	Development		
265	Analysis & Prediction Report	GB	0	0	0	0	0	92.00 MTBF Series	Development		
265	Analysis & Prediction Report	GB	0	0	0	0	0	42,927.00 MTBF Functional	Development		
265	Field Data and Operating Time	GB	1,709	0	35,040	0	2	20.50 MTBMA	Operational	08/83	07/85
265	Field Data and Operating Time	GB	791	918	35,040	0	2	44.29 MTBF Functional	Operational	08/83	07/85
306	Field Data and Operating Time	GBC	2	0	17,370	0	0	8,685.00 MTBMA	Operational	08/73	10/75

Computer, I/O Device

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
1	Analysis & Prediction Report	GB	0	0	0	0	0	546.00 MTBF Series	Development		
1	Field Data and Operating Time	GB	2	0	17,520	0	0	8,760.00 MTBF Functional	Operational	08/83	07/85
1	Field Data and Operating Time	GB	2	0	17,520	0	0	8,760.00 MTBMA	Operational	08/83	07/85
1	Field Data and Operating Time	GB	2	0	17,520	0	0	8,760.00 MTBM	Operational	08/83	07/85
308	Field Data and Operating Time	GBC	1	0	17,370	0	0	17,370.00 MTBMA	Operational	08/73	10/75

Computer, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
264	Allocation/Apportion	GB	0	0	0	0	0	42,735.00 MTBF Functional	Development		
264	Analysis & Prediction Report	GB	0	0	0	0	0	216.00 MTBF Series	Development		
264	Analysis & Prediction Report	GB	0	0	0	0	0	134,770.00 MTBF Functional	Development		
264	Field Data and Operating Time	GB	342	596	35,040	0	2	102.45 MTBF Functional	Operational	08/83	07/85
264	Field Data and Operating Time	GB	938	0	35,040	0	2	37.35 MTBMA	Operational	08/83	07/85
305	Field Data and Operating Time	GBC	1	0	17,370	0	0	17,370.00 MTBMA	Operational	08/73	10/75

Computer, Memory

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
304	Field Data and Operating Time	GBC	11	0	69,480	0	0	6,316.36 MTBMA	Operational	08/73	10/75

Computer, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
4	Analysis & Prediction Report	GB	0	0	0	0	0	202.00 MTBF Series	Development		
4	Field Data and Operating Time	GB	4	17	3,542	0	0	885.50 MTBF Functional	Operational	02/76	08/76
4	Field Data and Operating Time	GB	21	63	6,044	0	0	287.80 MTBF Functional	Operational	01/74	10/74
4	Field Data and Operating Time	GB	65	20	6,044	0	0	92.98 MTBF Functional	Operational	01/74	10/74
4	Field Data and Operating Time	GB	10	0	17,520	0	0	1,752.00 MTBF Functional	Operational	08/83	07/85
4	Field Data and Operating Time	GB	10	0	17,520	0	0	1,752.00 MTBMA	Operational	08/83	07/85
4	Field Data and Operating Time	GB	11	0	17,520	0	0	1,592.72 MTBM	Operational	08/83	07/85
307	Field Data and Operating Time	GBC	3	0	17,370	0	0	5,790.00 MTBMA	Operational	08/73	10/75
309	Field Data and Operating Time	GBC	8	0	17,370	0	0	2,171.25 MTBMA	Operational	08/73	10/75

Controls/Displays,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
132	Contract Spec/Requirement	AIF	0	0	0	0	0	225.00 MTBF Series	Development		
132	Demonstration Test Report	AIF	6	30	1,428	3,164	0	238.00 MTBF Series	Development	08/75	03/76
132	Simulated Operation	AIF	28	0	2,623	0	0	93.67 MTBF Series	Development	07/72	11/74
132	Simulated Operation	AIF	14	0	1,929	0	0	137.78 MTBF Series	Development	04/74	06/75
132	Field Data and Operating Time	AIF	185	0	18,044	0	161	97.53 MTBM	Operational	01/77	06/77
132	Field Data and Operating Time	AIF	244	0	24,470	0	203	100.28 MTBM	Operational	07/77	12/77
132	Field Data and Operating Time	AIF	10	0	30,705	0	269	3,070.50 MTBM	Operational	01/78	06/78
132	Field Data and Operating Time	AIF	23	0	37,453	0	296	1,628.39 MTBM	Operational	07/78	12/78
132	Field Data and Operating Time	AIF	2,734	6,116	178,344	0	0	65.23 MTBF Functional	Operational	05/83	04/85
132	Field Data and Operating Time	AIF	8,850	0	178,344	0	0	20.15 MTBMA	Operational	05/83	04/85
132	Field Data and Operating Time	AIF	1,691	2,964	173,620	0	0	102.67 MTBF Functional	Operational	05/83	04/85
132	Field Data and Operating Time	AIF	4,655	0	173,620	0	0	37.29 MTBMA	Operational	05/83	04/85
136	Contract Spec/Requirement	AIF	0	0	0	0	0	795.00 MTBF Series	Development		10/74
136	Contract Spec/Requirement	AIF	0	0	0	0	0	300.00 MTBF Series	Development		09/76
136	Analysis & Prediction Report	AI	0	0	0	0	0	836.00 MTBF Series	Development		10/72

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
136	Demonstration Test Report	AIF	3	2	125	74	0	41.66 MTBF Series	Development	10/74	10/74
136	Demonstration Test Report	AIF	4	17	401	236	0	100.25 MTBF Series	Development	12/74	03/75
136	Demonstration Test Report	AIF	6	27	1,952	1,148	0	325.33 MTBF Series	Development	10/75	04/76
136	Simulated Operation	AIF	2	0	727	0	0	363.50 MTBF Series	Development	07/72	11/74
136	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
136	Field Data and Operating Time	AIF	0	0	24,470	0	161	35,310.24 MTBM	Operational	07/77	12/77
136	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
136	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
136	Field Data and Operating Time	AIF	893	2,626	178,344	0	0	199.71 MTBF Functional	Operational	05/83	04/85
136	Field Data and Operating Time	AIF	3,519	0	178,344	0	0	50.68 MTBMA	Operational	05/83	04/85
136	Field Data and Operating Time	AIF	651	2,273	173,620	0	0	266.69 MTBF Functional	Operational	05/83	04/85
136	Field Data and Operating Time	AIF	2,924	0	173,620	0	0	59.37 MTBMA	Operational	05/83	04/85
148	Contract Spec/Requirement	AIF	0	0	0	0	0	745.00 MTBF Series	Development		
148	Contract Spec/Requirement	AIF	0	0	0	0	0	500.00 MTBF Series	Development		
148	Analysis & Prediction Report	AI	0	0	0	0	0	937.00 MTBF Series	Development	02/74	02/74
148	Demonstration Test Report	AIF	6	22	491	430	0	81.83 MTBF Series	Development	04/73	08/73
148	Demonstration Test Report	AIF	5	23	2,846	2,304	0	569.20 MTBF Series	Development	02/74	01/75
148	Simulated Operation	AIF	14	4	3,105	0	0	221.78 MTBF Series	Development	07/72	11/74
148	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
148	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
148	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
148	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
148	Field Data and Operating Time	AIF	1,002	2,088	178,344	0	0	177.98 MTBF Functional	Operational	05/83	04/85
148	Field Data and Operating Time	AIF	3,090	0	178,344	0	0	57.71 MTBMA	Operational	05/83	04/85
148	Field Data and Operating Time	AIF	733	1,177	173,620	0	0	236.86 MTBF Functional	Operational	05/83	04/85
148	Field Data and Operating Time	AIF	1,910	0	173,620	0	0	90.90 MTBF Functional	Operational	05/83	04/85
216	Contract Spec/Requirement	AIF	0	0	0	0	0	620.00 MTBF Series	Development		
216	Analysis & Prediction Report	AI	0	0	0	0	0	907.00 MTBF Series	Development		06/72
216	Demonstration Test Report	AIF	9	4	312	187	0	34.66 MTBF Series	Development	10/73	01/74
216	Demonstration Test Report	AIF	4	18	586	352	0	146.50 MTBF Series	Development	01/74	05/74
216	Demonstration Test Report	AIF	3	15	2,727	1,636	0	909.00 MTBF Series	Development	12/74	08/75
216	Simulated Operation	AIF	6	0	6,136	0	0	1,022.66 MTBF Series	Development	07/72	11/74
216	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
216	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
216	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78

Controls/Displays,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
216	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
216	Field Data and Operating Time	AIF	640	1,448	178,344	0	0	278.66 MTBF Functional	Operational	05/83	04/85
216	Field Data and Operating Time	AIF	2,088	0	178,344	0	0	85.41 MTBMA	Operational	05/83	04/85
216	Field Data and Operating Time	AIF	763	1,476	173,620	0	0	227.54 MTBF Functional	Operational	05/83	04/85
216	Field Data and Operating Time	AIF	2,239	0	173,620	0	0	77.54 MTBMA	Operational	05/83	04/85
225	Contract Spec/Requirement	AIA	0	0	0	0	0	1,500.00 MTBF Series	Development		
225	Demonstration Test Report	AIA	6	1	0	0	0	0.00 MTBF Series	Development	06/75	06/75
225	Demonstration Test Report	AIA	5	3	0	0	0	0.00 MTBF Series	Development	01/77	02/77
225	Demonstration Test Report	AIA	6	7	7,305	4,383	0	1,217.50 MTBF Series	Development	02/77	10/77
225	Simulated Operation	AIA	4	6	1,325	0	0	331.25 MTBF Series	Development	03/75	06/76
225	Field Data and Operating Time	AIA	1,265	1,074	450,653	0	0	356.24 MTBF Functional	Operational	06/83	05/85
225	Field Data and Operating Time	AIA	2,339	0	450,653	0	0	192.66 MTBF Functional	Operational	06/83	05/85
271	Contract Spec/Requirement	AIA	0	0	0	0	0	500.00 MTBF Series	Development		
271	Analysis & Prediction Report	AIA	0	0	0	0	0	827.00 MTBF Series	Development		
271	Analysis & Prediction Report	AIA	0	0	0	0	0	94,711.00 MTBF Functional	Development		
271	Analysis & Prediction Report	AIA	0	0	0	0	0	63,141.00 MTBF Series	Development		
271	Demonstration Test Report	AIA	0	2	758	456	0	1,093.79 MTBF Series	Development	07/76	09/76
271	Simulated Operation	AIA	3	0	1,325	0	0	441.66 MTBF Series	Development	03/75	06/76
271	Field Data and Operating Time	AIA	1,196	1,087	450,653	0	0	376.80 MTBF Functional	Operational	06/83	05/85
271	Field Data and Operating Time	AIA	2,283	0	450,653	0	0	197.39 MTBMA	Operational	06/83	05/85
276	Contract Spec/Requirement	AIA	0	0	0	0	0	1,000.00 MTBF Series	Development		
276	Analysis & Prediction Report	AIA	0	0	0	0	0	1,150.00 MTBF Series	Development		
276	Simulated Operation	AIA	2	56	1,325	0	0	662.50 MTBF Series	Development	03/75	06/76
276	Field Data and Operating Time	AIA	1,310	1,876	450,653	0	0	344.00 MTBF Functional	Operational	06/83	05/85
276	Field Data and Operating Time	AIA	3,186	0	450,653	0	0	141.44 MTBMA	Operational	06/83	05/85
323	Contract Spec/Requirement	AIF	0	0	0	0	0	500.00 MTBF Series	Development		
323	Analysis & Prediction Report	AIF	0	0	0	0	0	846.00 MTBF Series	Development		
323	Demonstration Test Report	AIF	0	0	0	0	0	476.00 MTBF Series	Development		
323	Field Data and Operating Time	AIF	53	0	6,320	1,649,320	189	119.24 MTBF Functional	Operational	01/79	12/79
323	Field Data and Operating Time	AIF	70	0	6,320	2,017,240	189	90.28 MTBMA	Operational	01/79	12/79
323	Field Data and Operating Time	AIF	36	0	12,189	2,081,451	239	338.58 MTBF Functional	Operational	01/80	06/80
323	Field Data and Operating Time	AIF	73	0	12,189	2,081,451	239	166.97 MTBMA	Operational	01/80	06/80
323	Field Data and Operating Time	AIF	55	0	20,304	2,905,536	334	369.16 MTBF Functional	Operational	07/80	12/80
323	Field Data and Operating Time	AIF	135	0	20,304	2,905,536	334	150.40 MTBMA	Operational	07/80	12/80
323	Field Data and Operating Time	AIF	1,368	2,556	303,981	0	0	222.20 MTBF Functional	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
323	Field Data and Operating Time	AIF	3,924	0	303,981	0	0	77.46 MTBMA	Operational	05/83	04/85
323	Field Data and Operating Time	AIF	336	626	53,220	0	0	158.39 MTBF Functional	Operational	05/83	04/85
323	Field Data and Operating Time	AIF	962	0	53,220	0	0	55.32 MTBMA	Operational	05/83	04/85
331	Field Data and Operating Time	GBC	1	0	5,200	0	0	5,200.00 MTBF Functional	Operational	01/81	01/81
331	Field Data and Operating Time	GBC	7	0	14,520	0	0	2,074.28 MTBF Functional	Operational	02/81	02/81
331	Field Data and Operating Time	GBC	9	0	26,280	0	0	2,920.00 MTBF Functional	Operational	03/81	03/81
331	Field Data and Operating Time	GBC	5	0	40,840	0	0	8,168.00 MTBF Functional	Operational	03/81	04/81
331	Field Data and Operating Time	GBC	9	0	56,120	0	0	6,235.55 MTBF Functional	Operational	04/81	05/81
331	Field Data and Operating Time	GBC	3	0	70,760	0	0	23,586.66 MTBF Functional	Operational	05/83	06/83
331	Field Data and Operating Time	GBC	8	0	94,720	0	0	11,840.00 MTBF Functional	Operational	06/81	07/81
331	Field Data and Operating Time	GBC	11	0	109,360	0	0	9,941.81 MTBF Functional	Operational	07/81	08/81
331	Field Data and Operating Time	GBC	12	0	123,560	0	0	10,296.66 MTBF Functional	Operational	08/81	09/81
331	Field Data and Operating Time	GBC	15	0	151,120	0	0	10,074.66 MTBF Functional	Operational	09/81	10/81
331	Field Data and Operating Time	GBC	9	0	182,480	0	0	20,275.55 MTBF Functional	Operational	10/81	11/81
331	Field Data and Operating Time	GBC	17	0	207,280	0	0	12,192.94 MTBF Functional	Operational	11/81	12/81
331	Field Data and Operating Time	GBC	11	0	228,160	0	0	20,741.81 MTBF Functional	Operational	12/81	01/82
331	Field Data and Operating Time	GBC	15	0	244,240	0	0	16,282.66 MTBF Functional	Operational	01/82	01/82
331	Field Data and Operating Time	GBC	19	0	263,680	0	0	13,877.89 MTBF Functional	Operational	01/82	02/82
331	Field Data and Operating Time	GBC	18	0	295,320	0	0	16,406.66 MTBF Functional	Operational	02/82	03/82
331	Field Data and Operating Time	GBC	8	0	325,400	0	0	40,675.00 MTBF Functional	Operational	03/82	04/82
331	Field Data and Operating Time	GBC	16	0	349,520	0	0	21,845.00 MTBF Functional	Operational	04/82	05/82
331	Field Data and Operating Time	GBC	10	0	389,840	0	0	38,984.00 MTBF Functional	Operational	05/82	06/82
331	Field Data and Operating Time	GBC	19	0	433,840	0	0	22,833.68 MTBF Functional	Operational	06/82	07/82
331	Field Data and Operating Time	GBC	20	0	458,120	0	0	22,906.00 MTBF Functional	Operational	07/82	08/82
331	Field Data and Operating Time	GBC	27	0	448,440	0	0	16,608.88 MTBF Functional	Operational	08/82	09/82
331	Field Data and Operating Time	GBC	72	0	518,160	0	0	7,196.66 MTBF Functional	Operational	09/82	10/82
331	Field Data and Operating Time	GBC	98	0	553,640	0	0	5,649.38 MTBF Functional	Operational	10/82	11/82
331	Field Data and Operating Time	GBC	36	0	588,880	0	0	16,357.77 MTBF Functional	Operational	11/82	12/82
331	Field Data and Operating Time	GBC	59	0	633,320	0	0	10,734.23 MTBF Functional	Operational	12/82	01/83
331	Field Data and Operating Time	GBC	62	0	661,520	0	0	10,669.67 MTBF Functional	Operational	01/83	01/83
331	Field Data and Operating Time	GBC	81	0	694,000	0	0	8,567.90 MTBF Functional	Operational	01/83	02/83
331	Field Data and Operating Time	GBC	66	0	726,040	0	0	11,000.60 MTBF Functional	Operational	02/83	03/83
331	Field Data and Operating Time	GBC	45	0	763,200	0	0	16,960.00 MTBF Functional	Operational	03/83	04/83
331	Field Data and Operating Time	GBC	34	0	789,280	0	0	23,214.11 MTBF Functional	Operational	04/83	05/83
331	Field Data and Operating Time	GBC	48	0	825,360	0	0	17,195.00 MTBF Functional	Operational	05/83	06/83

Controls/Displays,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
331	Field Data and Operating Time	GBC	40	0	855,680	0	0	21,392.00 MTBF Functional	Operational	06/83	07/83
331	Field Data and Operating Time	GBC	19	0	34,709	0	0	1,826.78 MTBF Functional	Operational	07/83	08/83
352	Contract Spec/Requirement	AIF	0	0	0	0	0	475.00 MTBF Series	Development		
352	Analysis & Prediction Report	AIF	0	0	0	0	0	1,020.00 MTBF Series	Development		
352	Demonstration Test Report	AIF	0	0	0	0	0	856.00 MTBF Series	Development		
352	Field Data and Operating Time	AIF	1,112	1,678	313,026	0	0	281.49 MTBF Functional	Operational	07/83	06/85
352	Field Data and Operating Time	AIF	2,790	0	313,026	0	0	112.19 MTBMA	Operational	07/83	06/85
352	Field Data and Operating Time	AIF	443	491	58,583	0	0	132.24 MTBF Functional	Operational	07/83	06/85
352	Field Data and Operating Time	AIF	934	0	58,583	0	0	62.72 MTBMA	Operational	07/83	11/84

Controls/Displays, Amplifier, Video

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
324	Field Data and Operating Time	AIF	19	0	6,320	1,649,320	189	332.63 MTBF Functional	Operational	01/79	12/79
324	Field Data and Operating Time	AIF	25	0	6,320	2,017,240	189	252.80 MTBMA	Operational	01/79	12/79
324	Field Data and Operating Time	AIF	17	0	12,189	2,081,451	239	717.00 MTBF Functional	Operational	01/80	06/80
324	Field Data and Operating Time	AIF	43	0	12,189	2,081,451	239	283.46 MTBMA	Operational	01/80	06/80
324	Field Data and Operating Time	AIF	34	0	20,304	2,905,536	334	597.17 MTBF Functional	Operational	07/80	12/80
324	Field Data and Operating Time	AIF	68	0	20,304	2,905,536	334	298.58 MTBMA	Operational	07/80	12/80
324	Field Data and Operating Time	AIF	334	634	303,981	0	0	910.12 MTBF Functional	Operational	05/83	04/85
324	Field Data and Operating Time	AIF	968	0	303,981	0	0	314.02 MTBMA	Operational	05/83	04/85
324	Field Data and Operating Time	AIF	73	109	53,220	0	0	729.04 MTBF Functional	Operational	05/83	04/85
324	Field Data and Operating Time	AIF	182	0	53,220	0	0	292.41 MTBMA	Operational	05/83	04/85

Controls/Displays, Converter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
138	Contract Spec/Requirement	AIF	0	0	0	0	0	939.00 MTBF Series	Development		10/74
138	Analysis & Prediction Report	AI	0	0	0	0	0	988.00 MTBF Series	Development		10/72
138	Demonstration Test Report	AIF	0	1	125	74	0	180.37 MTBF Series	Development	10/74	10/74
138	Demonstration Test Report	AIF	1	6	401	236	0	401.00 MTBF Series	Development	12/74	03/75
138	Demonstration Test Report	AIF	4	12	1,952	1,148	0	488.00 MTBF Series	Development	10/75	04/76
138	Simulated Operation	AIF	1	0	727	0	0	727.00 MTBF Series	Development	07/72	11/74

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays, Converter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
138	Field Data and Operating Time	AIF	529	1,568	178,344	0	0	337.13 MTBF Functional	Operational	05/83	04/85
138	Field Data and Operating Time	AIF	2,096	0	178,344	0	0	85.08 MTBMA	Operational	05/83	04/85
138	Field Data and Operating Time	AIF	418	1,056	173,620	0	0	415.35 MTBF Functional	Operational	05/83	04/85
138	Field Data and Operating Time	AIF	1,474	0	173,620	0	0	117.78 MTBMA	Operational	05/83	04/85
189	Simulated Operation	AUF	3	0	1,046	0	0	348.66 MTBF Series	Development	07/76	08/76
189	Field Data and Operating Time	AIF	428	260	49,969	0	0	116.75 MTBF Functional	Operational	07/83	06/85
189	Field Data and Operating Time	AIF	688	0	49,969	0	0	72.62 MTBMA	Operational	07/83	06/85

Controls/Displays, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
30	Simulated Operation	AIF	1	0	1,606	0	0	1,606.00 MTBF Series	Development	07/72	11/74
30	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
30	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
30	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
30	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
31	Simulated Operation	AIF	1	0	1,606	0	0	1,606.00 MTBF Series	Development	07/72	11/74
31	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
31	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
31	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
31	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
32	Simulated Operation	AIF	5	0	5,813	0	0	1,162.60 MTBF Series	Development	07/72	11/74
32	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
32	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
32	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
32	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
32	Field Data and Operating Time	AIF	363	427	178,344	0	0	491.30 MTBF Functional	Operational	05/83	04/85
32	Field Data and Operating Time	AIF	790	0	178,344	0	0	225.75 MTBMA	Operational	05/83	04/85
32	Field Data and Operating Time	AIF	274	305	173,620	0	0	633.64 MTBF Functional	Operational	05/83	04/85
32	Field Data and Operating Time	AIF	579	0	173,620	0	0	299.86 MTBMA	Operational	05/83	04/85
33	Simulated Operation	AIF	5	0	1,606	0	0	321.20 MTBF Series	Development	07/72	11/74
33	Field Data and Operating Time	AIF	14	0	18,044	0	161	1,288.85 MTBM	Operational	01/77	06/77
33	Field Data and Operating Time	AIF	16	0	24,470	0	203	1,529.37 MTBM	Operational	07/77	12/77
33	Field Data and Operating Time	AIF	1	0	30,705	0	269	30,705.00 MTBM	Operational	01/78	06/78

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
33	Field Data and Operating Time	AIF	1	0	37,453	0	296	37,453.00 MTBM	Operational	07/78	12/78
44	Contract Spec/Requirement	AIF	0	0	0	0	0	1,000.00 MTBF Series	Development		
44	Contract Spec/Requirement	AUF	0	0	0	0	0	1,000.00 MTBF Series	Development		
44	Analysis & Prediction Report	AI	0	0	0	0	0	4,626.00 MTBF Series	Development		
44	Analysis & Prediction Report	AI	0	0	0	0	0	4,602.00 MTBF Series	Development		
44	Demonstration Test Report	AIF	2	1	3,820	1,910	0	1,910.00 MTBF Series	Development	01/73	06/73
44	Simulated Operation	AIF	5	0	1,606	0	0	321.20 MTBF Series	Development	07/72	11/74
44	Field Data and Operating Time	AIF	21	0	18,044	0	161	859.23 MTBM	Operational	01/77	06/77
44	Field Data and Operating Time	AIF	19	0	24,470	0	203	1,287.89 MTBM	Operational	07/77	12/77
44	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
44	Field Data and Operating Time	AIF	2	0	37,453	0	296	18,726.50 MTBM	Operational	07/78	12/78
44	Field Data and Operating Time	AIF	108	110	178,344	0	0	1,651.33 MTBF Functional	Operational	05/83	04/85
44	Field Data and Operating Time	AIF	218	0	178,344	0	0	818.09 MTBMA	Operational	05/83	04/85
44	Field Data and Operating Time	AIF	58	35	173,620	0	0	2,993.44 MTBF Functional	Operational	05/83	04/85
44	Field Data and Operating Time	AIF	93	0	173,620	0	0	1,866.88 MTBMA	Operational	05/83	04/85
134	Demonstration Test Report	AIF	4	15	1,428	3,164	0	357.00 MTBF Series	Development	08/75	03/76
134	Simulated Operation	AIF	14	3	2,623	0	0	187.35 MTBF Series	Development	07/72	11/74
134	Simulated Operation	AIF	7	0	1,929	0	0	275.57 MTBF Series	Development	04/74	06/75
134	Field Data and Operating Time	AIF	1,067	1,377	178,344	0	0	167.14 MTBF Functional	Operational	05/83	04/85
134	Field Data and Operating Time	AIF	2,444	0	178,344	0	0	72.97 MTBMA	Operational	05/83	04/85
134	Field Data and Operating Time	AIF	766	673	173,620	0	0	226.65 MTBF Functional	Operational	05/83	04/85
134	Field Data and Operating Time	AIF	1,439	0	173,620	0	0	120.65 MTBMA	Operational	05/83	04/85
137	Contract Spec/Requirement	AIF	0	0	0	0	0	5,163.00 MTBF Series	Development		10/74
137	Analysis & Prediction Report	AI	0	0	0	0	0	5,430.00 MTBF Series	Development		10/72
137	Demonstration Test Report	AIF	3	0	125	74	0	41.66 MTBF Series	Development	10/74	10/74
137	Demonstration Test Report	AIF	3	5	401	236	0	133.66 MTBF Series	Development	12/74	03/75
137	Demonstration Test Report	AIF	1	9	1,952	1,148	0	1,952.00 MTBF Series	Development	10/75	04/76
137	Simulated Operation	AIF	0	0	727	0	0	1,049.06 MTBF Series	Development	07/72	11/74
137	Field Data and Operating Time	AIF	342	965	178,344	0	0	521.47 MTBF Functional	Operational	05/83	04/85
137	Field Data and Operating Time	AIF	1,307	0	178,344	0	0	136.45 MTBMA	Operational	05/83	04/85
137	Field Data and Operating Time	AIF	191	518	173,620	0	0	909.00 MTBF Functional	Operational	05/83	04/85
137	Field Data and Operating Time	AIF	709	0	173,620	0	0	244.88 MTBMA	Operational	05/83	04/85
150	Analysis & Prediction Report	AI	0	0	0	0	0	2,787.00 MTBF Series	Development		
150	Demonstration Test Report	AIF	3	8	491	430	0	163.66 MTBF Series	Development	04/73	08/73
150	Demonstration Test Report	AIF	3	18	2,846	2,304	0	948.66 MTBF Series	Development	02/74	01/75

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
150	Simulated Operation	AIF	11	0	3,105	0	0	282.27 MTBF Series	Development	07/72	11/74
150	Field Data and Operating Time	AIF	661	964	178,344	0	0	269.80 MTBF Functional	Operational	05/83	04/85
150	Field Data and Operating Time	AIF	1,625	0	178,344	0	0	109.75 MTBMA	Operational	05/83	04/85
150	Field Data and Operating Time	AIF	377	329	173,620	0	0	460.53 MTBF Functional	Operational	05/83	04/85
150	Field Data and Operating Time	AIF	706	0	173,620	0	0	245.92 MTBMA	Operational	05/83	04/85
187	Contract Spec/Requirement	AIF	0	0	0	0	0	177.00 MTBF Series	Production		
187	Contract Spec/Requirement	AIF	0	0	0	0	0	142.00 MTBF Series	Production		
188	Simulated Operation	AIF	1	0	1,037	0	0	1,037.00 MTBF Series	Development	07/76	08/76
188	Field Data and Operating Time	AIF	269	67	49,969	0	0	185.75 MTBF Functional	Operational	07/83	06/85
188	Field Data and Operating Time	AIF	336	0	49,969	0	0	148.71 MTBMA	Operational	07/83	06/85
190	Simulated Operation	AIF	1	0	1,012	0	0	1,012.00 MTBF Series	Development	07/76	08/76
190	Field Data and Operating Time	AIF	327	0	49,969	0	0	152.81 MTBMA	Operational	07/83	06/85
190	Field Data and Operating Time	AIF	244	83	49,969	0	0	204.79 MTBF Functional	Operational	07/83	06/85
191	Simulated Operation	AIF	7	0	1,060	0	0	151.42 MTBF Series	Development	07/76	08/76
191	Field Data and Operating Time	AIF	1,408	0	49,969	0	0	35.48 MTBMA	Operational	07/83	06/85
191	Field Data and Operating Time	AIF	804	604	49,969	0	0	62.15 MTBF Functional	Operational	07/83	06/85
192	Simulated Operation	AIF	10	0	1,047	0	0	104.70 MTBF Series	Development	07/76	08/76
192	Field Data and Operating Time	AIF	5,155	0	49,969	0	0	9.69 MTBMA	Operational	07/83	06/85
192	Field Data and Operating Time	AIF	945	4,210	49,969	0	0	52.87 MTBF Functional	Operational	07/83	06/85
193	Simulated Operation	AIF	3	0	524	0	0	174.66 MTBF Series	Development	07/76	08/76
193	Field Data and Operating Time	AIF	282	352	49,969	0	0	177.19 MTBF Functional	Operational	07/83	06/85
193	Field Data and Operating Time	AIF	634	0	49,969	0	0	78.81 MTBMA	Operational	07/83	06/85
217	Analysis & Prediction Report	AI	0	0	0	0	0	1,941.00 MTBF Series	Development		06/72
217	Demonstration Test Report	AIF	4	7	312	187	0	78.00 MTBF Series	Development	10/73	01/74
217	Demonstration Test Report	AIF	4	18	586	352	0	146.50 MTBF Series	Development	01/74	04/74
217	Demonstration Test Report	AIF	1	11	2,727	1,636	0	2,727.00 MTBF Series	Development	12/74	08/75
217	Simulated Operation	AIF	5	0	6,136	0	0	1,227.20 MTBF Series	Development	07/72	11/74
217	Simulated Operation	AIF	12	0	2,795	0	0	232.91 MTBF Series	Development	04/74	06/75
217	Field Data and Operating Time	AIF	452	849	178,344	0	0	394.56 MTBF Functional	Operational	05/83	04/85
217	Field Data and Operating Time	AIF	1,301	0	178,344	0	0	137.08 MTBMA	Operational	05/83	04/85
217	Field Data and Operating Time	AIF	584	980	173,620	0	0	297.29 MTBF Functional	Operational	05/83	04/85
217	Field Data and Operating Time	AIF	1,564	0	173,620	0	0	111.01 MTBMA	Operational	05/83	04/85
222	Analysis & Prediction Report	AIA	0	0	0	0	0	3,401.00 MTBF Series	Development		
222	Simulated Operation	AIA	0	26	1,325	0	0	1,911.97 MTBF Series	Development	03/75	06/76
222	Field Data and Operating Time	AIA	834	1,153	450,653	0	0	540.35 MTBF Functional	Operational	06/83	05/85

Controls/Displays, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
222	Field Data and Operating Time	AIA	1,987	0	450,653	0	0	226.80 MTBMA	Operational	06/83	05/85
224	Analysis & Prediction Report	AIA	0	0	0	0	0	14,492.00 MTBF Series	Development		
224	Simulated Operation	AIA	0	2	1,325	0	0	1,911.97 MTBF Series	Development	03/75	06/76
224	Field Data and Operating Time	AIA	95	115	450,653	0	0	4,743.71 MTBF Functional	Operational	06/83	05/85
224	Field Data and Operating Time	AIA	210	0	450,653	0	0	2,145.96 MTBMA	Operational	06/83	05/85
226	Demonstration Test Report	AIA	6	1	0	0	0	0.00 MTBF Series	Development	06/75	06/75
226	Demonstration Test Report	AIA	5	2	0	0	0	0.00 MTBF Series	Development	01/77	02/77
226	Demonstration Test Report	AIA	5	5	7,305	4,383	0	1,461.00 MTBF Series	Development	02/77	10/77
226	Simulated Operation	AIA	2	3	1,325	0	0	662.50 MTBF Series	Development	03/75	06/76
226	Field Data and Operating Time	AIA	405	243	450,653	0	0	1,112.72 MTBF Functional	Operational	06/83	05/85
226	Field Data and Operating Time	AIA	648	0	450,653	0	0	695.45 MTBMA	Operational	06/83	05/85
227	Demonstration Test Report	AIA	0	0	0	0	0	0.00 MTBF Series	Development	06/75	06/75
227	Demonstration Test Report	AIA	0	1	0	0	0	0.00 MTBF Series	Development	01/77	02/77
227	Demonstration Test Report	AIA	1	1	3,705	4,383	0	3,705.00 MTBF Series	Development	02/77	10/77
227	Simulated Operation	AIA	2	2	1,325	0	0	662.50 MTBF Series	Development	03/75	06/76
227	Field Data and Operating Time	AIA	130	38	450,653	0	0	3,466.56 MTBF Functional	Operational	06/83	05/85
227	Field Data and Operating Time	AIA	168	0	450,653	0	0	2,682.45 MTBMA	Operational	06/83	05/85
272	Analysis & Prediction Report	AIA	0	0	0	0	0	296.00 MTBF Series	Development		
272	Demonstration Test Report	AIA	0	0	758	456	0	1,093.79 MTBF Series	Development	07/76	09/76
272	Simulated Operation	AIA	0	3	1,325	0	0	1,911.97 MTBF Series	Development	03/75	06/76
272	Field Data and Operating Time	AIA	634	331	450,653	0	0	710.80 MTBF Functional	Operational	06/83	05/85
272	Field Data and Operating Time	AIA	965	0	450,653	0	0	466.99 MTBMA	Operational	06/83	05/85
273	Analysis & Prediction Report	AIA	0	0	0	0	0	77.00 MTBF Series	Development		
273	Analysis & Prediction Report	AIA	0	0	0	0	0	263,899.00 MTBF Functional	Development		
273	Analysis & Prediction Report	AIA	0	0	0	0	0	171,292.00 MTBF Series	Development		
273	Demonstration Test Report	AIA	0	0	758	456	0	1,093.79 MTBF Series	Development	07/76	09/76
273	Simulated Operation	AIA	3	14	1,325	0	0	441.66 MTBF Series	Development	03/75	06/76
273	Field Data and Operating Time	AIA	463	502	450,653	0	0	973.33 MTBF Functional	Operational	06/83	05/85
273	Field Data and Operating Time	AIA	965	0	450,653	0	0	466.99 MTBMA	Operational	06/83	05/85
274	Analysis & Prediction Report	AIA	0	0	0	0	0	2,520.00 MTBF Series	Development		
274	Analysis & Prediction Report	AIA	0	0	0	0	0	232,162.00 MTBF Functional	Development		
274	Analysis & Prediction Report	AIA	0	0	0	0	0	154,775.00 MTBF Series	Development		
274	Demonstration Test Report	AIA	0	2	5,306	3,192	0	7,656.56 MTBF Series	Development	07/76	09/76
274	Simulated Operation	AIA	0	3	9,275	0	0	13,383.83 MTBF Series	Development	03/75	06/76
274	Field Data and Operating Time	AIA	31	22	450,653	0	0	14,537.19 MTBF Functional	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
274	Field Data and Operating Time	AIA	53	0	450,653	0	0	8,502.88 MTBMA	Operational	06/83	05/85
275	Analysis & Prediction Report	AIA	0	0	0	0	0	4,370.00 MTBF Series	Development		
275	Analysis & Prediction Report	AIA	0	0	0	0	0	406,284.00 MTBF Functional	Development		
275	Analysis & Prediction Report	AIA	0	0	0	0	0	270,856.00 MTBF Series	Development		
275	Demonstration Test Report	AIA	0	0	3,032	1,824	0	4,375.18 MTBF Series	Development	07/76	09/76
275	Simulated Operation	AIA	0	0	5,300	0	0	7,647.90 MTBF Series	Development	03/75	06/76
275	Field Data and Operating Time	AIA	13	11	450,653	0	0	34,665.61 MTBF Functional	Operational	06/83	05/85
275	Field Data and Operating Time	AIA	24	0	450,653	0	0	18,777.20 MTBMA	Operational	06/83	05/85
325	Field Data and Operating Time	AIF	34	0	6,320	2,017,240	231	185.88 MTBF Functional	Operational	01/79	12/79
325	Field Data and Operating Time	AIF	45	0	6,320	2,017,240	231	140.44 MTBMA	Operational	01/79	12/79
325	Field Data and Operating Time	AIF	19	0	12,189	2,335,491	268	641.52 MTBF Functional	Operational	01/80	06/80
325	Field Data and Operating Time	AIF	30	0	12,189	2,335,491	268	406.30 MTBMA	Operational	01/80	06/80
325	Field Data and Operating Time	AIF	21	0	20,304	2,905,536	391	966.85 MTBF Functional	Operational	07/80	12/80
325	Field Data and Operating Time	AIF	67	0	20,304	3,404,856	391	303.04 MTBMA	Operational	07/80	12/80
325	Field Data and Operating Time	AIF	668	437	303,981	0	0	455.06 MTBF Functional	Operational	05/83	04/85
325	Field Data and Operating Time	AIF	1,105	0	303,981	0	0	275.09 MTBMA	Operational	05/83	04/85
325	Field Data and Operating Time	AIF	153	106	53,220	0	0	347.84 MTBF Functional	Operational	05/83	04/85
325	Field Data and Operating Time	AIF	259	0	53,220	0	0	205.48 MTBMA	Operational	05/83	04/85
332	Field Data and Operating Time	GBC	0	0	5,200	0	0	7,503.60 MTBF Functional	Operational	01/81	01/81
332	Field Data and Operating Time	GBC	2	0	14,520	0	0	7,260.00 MTBF Functional	Operational	02/81	02/81
332	Field Data and Operating Time	GBC	5	0	26,280	0	0	5,256.00 MTBF Functional	Operational	03/81	03/81
332	Field Data and Operating Time	GBC	3	0	40,840	0	0	13,613.33 MTBF Functional	Operational	03/81	04/81
332	Field Data and Operating Time	GBC	5	0	56,120	0	0	11,224.00 MTBF Functional	Operational	04/81	05/81
332	Field Data and Operating Time	GBC	3	0	70,760	0	0	23,586.66 MTBF Functional	Operational	05/81	06/81
332	Field Data and Operating Time	GBC	4	0	94,720	0	0	23,680.00 MTBF Functional	Operational	06/81	07/81
332	Field Data and Operating Time	GBC	7	0	109,360	0	0	15,622.85 MTBF Functional	Operational	07/81	08/81
332	Field Data and Operating Time	GBC	7	0	123,560	0	0	17,651.42 MTBF Functional	Operational	08/81	09/81
332	Field Data and Operating Time	GBC	11	0	151,120	0	0	13,738.18 MTBF Functional	Operational	09/81	10/81
332	Field Data and Operating Time	GBC	6	0	182,480	0	0	30,413.33 MTBF Functional	Operational	10/81	11/81
332	Field Data and Operating Time	GBC	11	0	207,280	0	0	18,843.63 MTBF Functional	Operational	11/81	12/81
332	Field Data and Operating Time	GBC	5	0	228,160	0	0	45,632.00 MTBF Functional	Operational	12/81	01/82
332	Field Data and Operating Time	GBC	9	0	244,240	0	0	27,137.77 MTBF Functional	Operational	01/82	01/82
332	Field Data and Operating Time	GBC	13	0	263,680	0	0	20,283.07 MTBF Functional	Operational	01/82	02/82
332	Field Data and Operating Time	GBC	14	0	295,320	0	0	21,094.28 MTBF Functional	Operational	02/82	03/82
332	Field Data and Operating Time	GBC	4	0	325,400	0	0	81,350.00 MTBF Functional	Operational	03/82	04/82

Controls/Displays, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
332	Field Data and Operating Time	GBC	12	0	349,520	0	0	29,126.66 MTBF Functional	Operational	04/82	05/82
332	Field Data and Operating Time	GBC	8	0	389,840	0	0	48,730.00 MTBF Functional	Operational	05/82	06/82
332	Field Data and Operating Time	GBC	8	0	433,840	0	0	54,230.00 MTBF Functional	Operational	06/82	07/82
332	Field Data and Operating Time	GBC	9	0	458,120	0	0	50,902.22 MTBF Functional	Operational	07/82	08/82
332	Field Data and Operating Time	GBC	15	0	488,440	0	0	32,562.66 MTBF Functional	Operational	08/82	09/82
332	Field Data and Operating Time	GBC	34	0	518,160	0	0	15,240.00 MTBF Functional	Operational	09/82	10/82
332	Field Data and Operating Time	GBC	48	0	553,640	0	0	11,534.16 MTBF Functional	Operational	10/82	11/82
332	Field Data and Operating Time	GBC	19	0	588,880	0	0	30,993.68 MTBF Functional	Operational	11/82	12/82
332	Field Data and Operating Time	GBC	13	0	63,320	0	0	4,870.76 MTBF Functional	Operational	12/82	01/83
332	Field Data and Operating Time	GBC	17	0	661,520	0	0	38,912.94 MTBF Functional	Operational	01/83	01/83
332	Field Data and Operating Time	GBC	17	0	694,000	0	0	40,823.52 MTBF Functional	Operational	01/83	02/83
332	Field Data and Operating Time	GBC	19	0	726,040	0	0	38,212.63 MTBF Functional	Operational	02/83	03/83
332	Field Data and Operating Time	GBC	11	0	763,200	0	0	69,381.81 MTBF Functional	Operational	03/83	04/83
332	Field Data and Operating Time	GBC	13	0	789,280	0	0	60,713.84 MTBF Functional	Operational	04/83	05/83
332	Field Data and Operating Time	GBC	18	0	825,360	0	0	45,853.33 MTBF Functional	Operational	05/83	06/83
332	Field Data and Operating Time	GBC	10	0	855,680	0	0	85,568.00 MTBF Functional	Operational	06/83	07/83
332	Field Data and Operating Time	GBC	4	0	659,480	0	0	164,870.00 MTBF Functional	Operational	07/83	08/83
333	Field Data and Operating Time	GBC	1	0	5,200	0	0	5,200.00 MTBF Functional	Operational	01/81	01/81
333	Field Data and Operating Time	GBC	5	0	14,520	0	0	2,904.00 MTBF Functional	Operational	02/81	02/81
333	Field Data and Operating Time	GBC	4	0	26,280	0	0	6,570.00 MTBF Functional	Operational	03/81	03/81
333	Field Data and Operating Time	GBC	2	0	40,840	0	0	20,420.00 MTBF Functional	Operational	03/81	04/81
333	Field Data and Operating Time	GBC	4	0	56,120	0	0	14,030.00 MTBF Functional	Operational	04/81	05/81
333	Field Data and Operating Time	GBC	0	0	70,760	0	0	102,106.78 MTBF Functional	Operational	05/81	06/81
333	Field Data and Operating Time	GBC	4	0	94,720	0	0	23,680.00 MTBF Functional	Operational	06/81	07/81
333	Field Data and Operating Time	GBC	4	0	109,360	0	0	27,340.00 MTBF Functional	Operational	07/81	08/81
333	Field Data and Operating Time	GBC	5	0	24,712	0	0	4,942.40 MTBF Functional	Operational	08/81	09/81
333	Field Data and Operating Time	GBC	4	0	151,120	0	0	37,780.00 MTBF Functional	Operational	09/81	10/81
333	Field Data and Operating Time	GBC	3	0	182,480	0	0	60,826.66 MTBF Functional	Operational	10/81	11/81
333	Field Data and Operating Time	GBC	6	0	207,280	0	0	34,546.66 MTBF Functional	Operational	11/81	12/81
333	Field Data and Operating Time	GBC	6	0	228,160	0	0	38,026.66 MTBF Functional	Operational	12/81	01/82
333	Field Data and Operating Time	GBC	6	0	244,240	0	0	40,706.66 MTBF Functional	Operational	01/82	01/82
333	Field Data and Operating Time	GBC	6	0	263,680	0	0	43,946.66 MTBF Functional	Operational	01/82	02/82
333	Field Data and Operating Time	GBC	4	0	295,320	0	0	73,830.00 MTBF Functional	Operational	02/82	03/82
333	Field Data and Operating Time	GBC	4	0	325,400	0	0	81,350.00 MTBF Functional	Operational	03/82	04/82
333	Field Data and Operating Time	GBC	4	0	349,520	0	0	87,380.00 MTBF Functional	Operational	04/82	05/82

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
333	Field Data and Operating Time	GBC	2	0	389,840	0	0	194,920.00 MTBF Functional	Operational	05/82	06/82
333	Field Data and Operating Time	GBC	11	0	433,840	0	0	39,440.00 MTBF Functional	Operational	06/82	07/82
333	Field Data and Operating Time	GBC	11	0	458,120	0	0	41,647.27 MTBF Functional	Operational	07/82	08/82
333	Field Data and Operating Time	GBC	12	0	488,440	0	0	40,703.33 MTBF Functional	Operational	08/82	09/82
333	Field Data and Operating Time	GBC	38	0	518,160	0	0	13,635.78 MTBF Functional	Operational	09/89	10/82
333	Field Data and Operating Time	GBC	49	0	553,640	0	0	11,298.77 MTBF Functional	Operational	10/82	11/82
333	Field Data and Operating Time	GBC	17	0	588,880	0	0	34,640.00 MTBF Functional	Operational	11/82	12/82
333	Field Data and Operating Time	GBC	46	0	633,320	0	0	13,767.82 MTBF Functional	Operational	12/82	01/83
333	Field Data and Operating Time	GBC	45	0	661,520	0	0	14,700.44 MTBF Functional	Operational	01/83	01/83
333	Field Data and Operating Time	GBC	64	0	694,000	0	0	10,843.75 MTBF Functional	Operational	01/83	02/83
333	Field Data and Operating Time	GBC	47	0	726,040	0	0	15,447.65 MTBF Functional	Operational	02/83	03/83
333	Field Data and Operating Time	GBC	34	0	763,200	0	0	22,447.05 MTBF Functional	Operational	03/83	04/83
333	Field Data and Operating Time	GBC	21	0	789,280	0	0	37,584.76 MTBF Functional	Operational	04/83	05/83
333	Field Data and Operating Time	GBC	30	0	825,360	0	0	27,512.00 MTBF Functional	Operational	05/83	06/83
333	Field Data and Operating Time	GBC	30	0	855,680	0	0	28,522.66 MTBF Functional	Operational	06/83	07/83
333	Field Data and Operating Time	GBC	15	0	659,480	0	0	43,965.33 MTBF Functional	Operational	07/83	08/83
353	Field Data and Operating Time	AIF	624	400	313,026	0	0	501.64 MTBF Functional	Operational	07/83	06/85
353	Field Data and Operating Time	AIF	1,024	0	313,026	0	0	305.68 MTBMA	Operational	07/83	06/85
353	Field Data and Operating Time	AIF	263	127	58,583	0	0	222.74 MTBF Functional	Operational	07/83	06/85
353	Field Data and Operating Time	AIF	390	0	58,583	0	0	150.21 MTBMA	Operational	07/83	06/85
385	Contract Spec/Requirement	AUA	0	0	0	0	0	500.00 MTBF Series	Development		
385	Analysis & Prediction Report	AU	0	0	0	0	0	3,713.00 MTBF Series	Development		
385	Demonstration Test Report	AU	4	0	3,903	0	8	975.75 MTBF Series	Development	05/79	06/79
385	Field Data and Operating Time	AUA	203	379	450,653	0	0	2,219.96 MTBF Functional	Operational	06/83	05/85
385	Field Data and Operating Time	AUA	582	0	450,653	0	0	774.31 MTBMA	Operational	06/83	05/85
385	Field Data and Operating Time	AUF	91	184	53,220	0	0	584.83 MTBF Functional	Operational	05/85	04/85
385	Field Data and Operating Time	AUF	275	0	53,220	0	0	193.52 MTBMA	Operational	05/85	04/85
385	Field Data and Operating Time	AUF	256	944	303,981	0	0	1,187.42 MTBF Functional	Operational	05/85	04/85
385	Field Data and Operating Time	AUF	1,200	0	303,981	0	0	253.31 MTBMA	Operational	05/85	04/85

Controls/Displays, Miscellaneous

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
355	Field Data and Operating Time	AIF	4	2	313,026	0	0	78,256.50 MTBF Functional	Operational	07/83	06/85
355	Field Data and Operating Time	AIF	6	0	313,026	0	0	52,171.00 MTBMA	Operational	07/83	06/85
355	Field Data and Operating Time	AIF	1	1	58,583	0	0	58,583.00 MTBF Functional	Operational	07/83	06/85
355	Field Data and Operating Time	AIF	2	0	58,583	0	0	29,291.50 MTBMA	Operational	07/83	06/85

Controls/Displays, Power Supply

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
194	Simulated Operation	AIF	1	0	1,007	0	0	1,007.00 MTBF Series	Development	07/76	08/76
194	Field Data and Operating Time	AUF	32	10	49,969	0	0	1,561.53 MTBF Functional	Operational	07/83	06/85
194	Field Data and Operating Time	AUF	42	0	49,969	0	0	1,189.73 MTBMA	Operational	07/83	06/85
194	Field Data and Operating Time	AUF	100	79	49,969	0	0	499.69 MTBF Functional	Operational	07/83	06/85
194	Field Data and Operating Time	AUF	179	0	49,969	0	0	279.15 MTBMA	Operational	07/83	06/85

Controls/Displays, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
133	Demonstration Test Report	AIF	2	13	1,428	3,164	0	714.00 MTBF Series	Development	08/75	03/76
133	Demonstration Test Report	AIF	15	0	0	0	0	0.00 MTBF Series	Development	01/73	04/75
133	Simulated Operation	AIF	3	0	2,603	0	0	867.66 MTBF Series	Development	07/72	11/74
133	Simulated Operation	AIF	7	0	1,923	0	0	274.71 MTBF Series	Development	04/74	06/75
133	Field Data and Operating Time	AIF	639	919	178,344	0	0	279.09 MTBF Functional	Operational	05/83	04/85
133	Field Data and Operating Time	AIF	1,558	0	178,344	0	0	114.46 MTBMA	Operational	05/83	04/85
133	Field Data and Operating Time	AIF	408	353	173,620	0	0	425.53 MTBF Functional	Operational	05/83	04/85
133	Field Data and Operating Time	AIF	761	0	173,620	0	0	228.14 MTBMA	Operational	05/83	04/85
149	Analysis & Prediction Report	AI	0	0	0	0	0	1,412.00 MTBF Series	Development	11/71	05/75
149	Demonstration Test Report	AIF	3	8	491	430	0	163.66 MTBF Series	Development	04/73	08/73
149	Demonstration Test Report	AIF	2	5	2,846	2,304	0	1,423.00 MTBF Series	Development	02/74	01/75
149	Simulated Operation	AIF	2	0	2,983	0	0	1,491.50 MTBF Series	Development	07/72	11/74
149	Simulated Operation	AIF	2	0	2,127	0	0	1,063.50 MTBF Series	Production	04/74	06/75
149	Field Data and Operating Time	AIF	244	455	178,344	0	0	730.91 MTBF Functional	Operational	05/83	04/85
149	Field Data and Operating Time	AIF	699	0	178,344	0	0	255.14 MTBMA	Operational	05/83	04/85
149	Field Data and Operating Time	AIF	168	223	173,620	0	0	1,033.45 MTBF Functional	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Controls/Displays, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
149	Field Data and Operating Time	AIF	391	0	173,620	0	0	444.04 MTBMA	Operational	05/83	04/85
218	Analysis & Prediction Report	AI	0	0	0	0	0	1,102.00 MTBF Series	Development		06/72
218	Demonstration Test Report	AIF	0	2	312	187	0	450.21 MTBF Series	Development	10/73	01/74
218	Demonstration Test Report	AIF	0	0	586	352	0	845.59 MTBF Series	Development	01/74	05/74
218	Demonstration Test Report	AIF	2	5	2,727	1,636	0	1,363.50 MTBF Series	Development	12/74	08/75
218	Simulated Operation	AIF	1	0	5,920	0	0	5,920.00 MTBF Series	Development	07/72	11/74
218	Field Data and Operating Time	AIF	148	274	178,344	0	0	1,205.02 MTBF Functional	Operational	05/83	04/85
218	Field Data and Operating Time	AIF	422	0	178,344	0	0	422.61 MTBMA	Operational	05/83	04/85
218	Field Data and Operating Time	AIF	133	148	173,620	0	0	1,305.41 MTBF Functional	Operational	05/83	04/85
218	Field Data and Operating Time	AIF	281	0	173,620	0	0	617.86 MTBMA	Operational	05/83	04/85
223	Analysis & Prediction Report	AIA	0	0	0	0	0	1,976.00 MTBF Series	Development		
223	Simulated Operation	AIA	2	28	1,325	0	0	662.50 MTBF Series	Development	03/75	06/76
223	Field Data and Operating Time	AIA	327	208	450,653	0	0	1,378.14 MTBF Functional	Operational	06/83	05/85
223	Field Data and Operating Time	AIA	535	0	450,653	0	0	842.34 MTBMA	Operational	06/83	05/85
354	Field Data and Operating Time	AIF	363	316	313,026	0	0	862.33 MTBF Functional	Operational	07/83	06/85
354	Field Data and Operating Time	AIF	679	0	313,026	0	0	461.01 MTBMA	Operational	07/83	06/85
354	Field Data and Operating Time	AIF	117	107	58,583	0	0	500.70 MTBF Functional	Operational	07/83	06/85
354	Field Data and Operating Time	AIF	224	0	58,583	0	0	261.53 MTBMA	Operational	07/83	06/85

Electronic Warfare,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
48	Analysis & Prediction Report	AU	0	0	0	0	0	1,354.00 MTBF Series	Development		03/73
48	Simulated Operation	AUF	1	0	310	0	0	310.00 MTBF Series	Development	07/72	11/74
48	Field Data and Operating Time	AUF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
48	Field Data and Operating Time	AUF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
48	Field Data and Operating Time	AUF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
48	Field Data and Operating Time	AUF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
48	Field Data and Operating Time	AUF	674	960	178,344	0	0	264.60 MTBF Functional	Operational	05/83	04/85
48	Field Data and Operating Time	AUF	1,634	0	178,344	0	0	109.14 MTBMA	Operational	05/83	04/85
48	Field Data and Operating Time	AUF	5,293	0	173,620	0	0	32.80 MTBMA	Operational	05/83	04/85
48	Field Data and Operating Time	AUF	1,404	3,889	173,620	0	0	123.66 MTBF Functional	Operational	05/83	04/85
62	Contract Spec/Requirement	AIF	0	0	0	0	0	131.00 MTBF Series	Development		
62	Demonstration Test Report	AIF	4	13	0	0	0	0.00 MTBF Series	Development	02/75	03/75

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
62	Demonstration Test Report	AIF	3	5	0	0	0	0.00 MTBF Series	Development	03/75	03/75
62	Demonstration Test Report	AIF	4	13	925	661	0	231.25 MTBF Series	Development	03/75	06/75
62	Simulated Operation	AIF	9	0	210	0	0	23.33 MTBF Series	Development	07/72	11/74
62	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
62	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
62	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
62	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
62	Field Data and Operating Time	AIF	1,684	1,703	148,927	0	0	88.43 MTBF Functional	Operational	05/83	04/85
62	Field Data and Operating Time	AIF	3,387	0	148,927	0	0	43.97 MTBMA	Operational	05/83	04/85
62	Field Data and Operating Time	AIF	11,830	0	144,398	0	0	12.20 MTBMA	Operational	05/83	04/85
62	Field Data and Operating Time	AIF	3,962	7,868	144,398	0	0	36.44 MTBF Functional	Operational	05/83	04/85
72	Contract Spec/Requirement	AU	0	0	0	0	0	255.00 MTBF Series	Production		
72	Analysis & Prediction Report	AU	0	0	0	0	0	570.00 MTBF Series	Production		12/78
72	Demonstration Test Report	AU	2	17	916	549	2	458.00 MTBF Series	Production	08/78	01/79
72	Production Sample Verification	AU	2	9	956	573	2	478.00 MTBF Series	Production	04/79	10/79
72	Simulated Operation	AUF	16	0	687	0	0	42.93 MTBF Series	Development	07/72	11/74
72	Field Data and Operating Time	AU	56	0	9,275	0	0	165.62 MTBMA	Operational	04/77	02/78
72	Field Data and Operating Time	AUF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
72	Field Data and Operating Time	AUF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
72	Field Data and Operating Time	AUF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
72	Field Data and Operating Time	AUF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
72	Field Data and Operating Time	AUF	1,590	1,534	178,344	0	0	112.16 MTBF Functional	Operational	05/83	04/85
72	Field Data and Operating Time	AUF	3,124	0	178,344	0	0	57.08 MTBMA	Operational	05/83	04/85
72	Field Data and Operating Time	AUF	2,251	2,730	173,620	0	0	77.13 MTBF Functional	Operational	05/83	04/85
72	Field Data and Operating Time	AUF	4,981	0	173,620	0	0	34.85 MTBMA	Operational	05/83	04/85
282	Contract Spec/Requirement	AU	0	0	0	0	0	60.00 MTBF Series	Development		
282	Analysis & Prediction Report	AU	0	0	0	0	0	107.00 MTBF Series	Development		
282	Demonstration Test Report	AU	18	18	1,491	0	3	82.83 MTBF Series	Development	09/69	03/70
282	Production Sample Verification	AUF	28	17	932	0	16	33.28 MTBF Series	Production	09/70	02/71
282	Production Sample Verification	AUF	29	23	931	0	20	32.10 MTBF Series	Production	03/71	05/71
282	Production Sample Verification	AUF	31	37	911	0	19	29.38 MTBF Series	Production	04/71	09/71
282	Field Data and Operating Time	AUF	248	167	24,207	0	0	97.60 MTBF Functional	Operational	06/83	05/85
282	Field Data and Operating Time	AUF	415	0	24,207	0	0	58.33 MTBMA	Operational	06/83	05/85
282	Field Data and Operating Time	AUF	552	492	38,558	0	0	69.85 MTBF Functional	Operational	06/83	05/85
282	Field Data and Operating Time	AUF	1,044	0	38,558	0	0	36.93 MTBMA	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
282	Field Data and Operating Time	AUF	612	1,151	39,991	0	0	65.34 MTBF Functional	Operational	06/83	05/85
282	Field Data and Operating Time	AUF	1,763	0	39,991	0	0	22.68 MTBMA	Operational	06/83	05/85
282	Field Data and Operating Time	AUF	994	834	43,935	0	0	44.20 MTBF Functional	Operational	06/83	05/85
282	Field Data and Operating Time	AUF	1,830	0	43,935	0	0	24.00 MTBMA	Operational	06/83	05/85
290	Contract Spec/Requirement	AU	0	0	0	0	0	17.00 MTBF Series	Development		
290	Analysis & Prediction Report	AU	0	0	0	0	0	54.00 MTBF Series	Development		
290	Analysis & Prediction Report	AU	0	0	0	0	0	64.00 MTBF Series	Development		
290	Demonstration Test Report	AU	12	13	560	400	0	46.66 MTBF Series	Development	06/78	10/78
290	Field Data and Operating Time	AUF	184	396	303,981	0	0	1,652.07 MTBF Functional	Operational	05/83	04/85
290	Field Data and Operating Time	AUF	583	0	303,981	0	0	521.40 MTBMA	Operational	05/83	04/85
290	Field Data and Operating Time	AUF	10	33	53,220	0	0	5,322.00 MTBF Functional	Operational	05/83	04/85
290	Field Data and Operating Time	AUF	43	0	53,220	0	0	1,237.67 MTBMA	Operational	05/83	04/85
290	Field Data and Operating Time	AUF	48	435	154,753	0	0	3,224.02 MTBF Functional	Operational	07/83	06/85
290	Field Data and Operating Time	AUF	483	0	49,969	0	0	103.45 MTBMA	Operational	07/83	06/85
290	Field Data and Operating Time	AUF	650	2,319	235,870	0	0	362.87 MTBF Functional	Operational	07/83	06/85
290	Field Data and Operating Time	AUF	2,969	0	235,870	0	0	79.44 MTBMA	Operational	07/83	06/85
290	Field Data and Operating Time	AUF	253	840	49,969	0	0	197.50 MTBF Functional	Operational	07/83	06/85
290	Field Data and Operating Time	AUF	1,093	0	49,969	0	0	45.71 MTBMA	Operational	07/83	06/85
395	Field Data and Operating Time	AUF	0	0	0	0	0	175.00 MTBF Functional	Operational		
395	Field Data and Operating Time	AUF	4	12	13,740	0	0	3,435.00 MTBF Functional	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	16	0	13,740	0	0	858.75 MTBMA	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	978	807	39,991	0	0	40.89 MTBF Functional	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	1,785	0	39,991	0	0	22.40 MTBMA	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	912	613	38,558	0	0	42.27 MTBF Functional	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	1,525	0	38,558	0	0	25.28 MTBMA	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	679	488	24,207	0	0	35.65 MTBF Functional	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	1,167	0	24,207	0	0	20.74 MTBMA	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	1,184	1,016	43,935	0	0	37.10 MTBF Functional	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	2,200	0	43,935	0	0	19.97 MTBMA	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	939	840	39,513	0	0	42.07 MTBF Functional	Operational	06/83	05/85
395	Field Data and Operating Time	AUF	1,779	0	39,513	0	0	22.21 MTBMA	Operational	06/83	05/85

Electronic Warfare, Amplifier, RF

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
66	Demonstration Test Report	AIF	1	8	0	0	0	0.00 MTBF Series	Development	02/75	03/75
66	Demonstration Test Report	AIF	1	0	0	0	0	0.00 MTBF Series	Development	03/75	03/75
66	Demonstration Test Report	AIF	0	8	925	661	0	1,334.77 MTBF Series	Development	03/75	06/75
66	Simulated Operation	AIF	3	0	208	0	0	69.33 MTBF Series	Development	07/72	11/74
66	Field Data and Operating Time	AIF	214	75	148,927	0	0	695.92 MTBF Functional	Operational	05/83	04/85
66	Field Data and Operating Time	AIF	289	0	148,927	0	0	515.31 MTBF Functional	Operational	05/83	04/85
66	Field Data and Operating Time	AIF	840	0	144,398	0	0	171.90 MTBMA	Operational	05/83	04/85
66	Field Data and Operating Time	AIF	521	319	144,398	0	0	277.15 MTBF Functional	Operational	05/83	04/85
68	Demonstration Test Report	AIF	2	1	0	0	0	0.00 MTBF Series	Development	02/75	03/75
68	Demonstration Test Report	AIF	0	2	0	0	0	0.00 MTBF Series	Development	03/75	03/75
68	Demonstration Test Report	AIF	3	3	925	661	0	308.33 MTBF Series	Development	03/75	06/75
68	Simulated Operation	AIF	2	0	64	0	0	32.00 MTBF Series	Development	07/72	11/74
68	Field Data and Operating Time	AIF	400	189	148,927	0	0	372.31 MTBF Functional	Operational	05/83	04/85
68	Field Data and Operating Time	AIF	589	0	148,927	0	0	252.84 MTBMA	Operational	05/83	04/85
68	Field Data and Operating Time	AIF	1,031	733	144,398	0	0	140.05 MTBF Functional	Operational	05/83	04/85
68	Field Data and Operating Time	AIF	1,764	0	144,398	0	0	81.85 MTBMA	Operational	05/83	04/85
286	Analysis & Prediction Report	AUF	0	0	0	0	0	1,678.00 MTBF Series	Development		
286	Demonstration Test Report	AUF	0	3	1,490	0	0	2,150.07 MTBF Series	Development	09/69	03/70
286	Production Sample Verification	AUF	4	1	935	0	16	233.75 MTBF Series	Production	09/70	02/71
286	Production Sample Verification	AUF	4	2	929	0	20	232.25 MTBF Series	Production	03/71	04/71
286	Production Sample Verification	AUF	2	3	907	0	19	453.50 MTBF Series	Production	05/71	09/71
286	Field Data and Operating Time	AUF	32	23	24,207	0	0	756.46 MTBF Functional	Operational	06/83	05/85
286	Field Data and Operating Time	AUF	55	0	24,207	0	0	440.12 MTBMA	Operational	06/83	05/85
286	Field Data and Operating Time	AUF	52	55	38,558	0	0	741.50 MTBF Functional	Operational	06/83	05/85
286	Field Data and Operating Time	AUF	107	0	38,558	0	0	360.35 MTBMA	Operational	06/83	05/85
286	Field Data and Operating Time	AUF	60	85	39,991	0	0	666.51 MTBF Functional	Operational	06/83	05/85
286	Field Data and Operating Time	AUF	145	0	39,991	0	0	275.80 MTBMA	Operational	06/83	05/85
286	Field Data and Operating Time	AUF	96	103	43,935	0	0	457.65 MTBF Functional	Operational	06/83	05/85
286	Field Data and Operating Time	AUF	199	0	43,935	0	0	220.77 MTBMA	Operational	06/83	05/85
287	Analysis & Prediction Report	AUF	0	0	0	0	0	1,678.00 MTBF Series	Development		
287	Demonstration Test Report	AUF	7	4	1,490	0	0	212.85 MTBF Series	Development	09/69	03/70
287	Production Sample Verification	AUF	5	5	931	0	16	186.20 MTBF Series	Production	09/70	02/71
287	Production Sample Verification	AUF	8	5	934	0	20	116.75 MTBF Series	Production	03/71	04/71
287	Production Sample Verification	AUF	4	5	909	0	19	227.25 MTBF Series	Production	05/71	09/71
287	Field Data and Operating Time	AUF	36	22	24,207	0	0	672.41 MTBF Functional	Operational	06/83	05/85

Electronic Warfare, Amplifier, RF

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
287	Field Data and Operating Time	AUF	58	0	24,207	0	0	417.36 MTBMA	Operational	06/83	05/85
287	Field Data and Operating Time	AUF	93	55	38,558	0	0	414.60 MTBF Functional	Operational	06/83	05/85
287	Field Data and Operating Time	AUF	148	0	38,558	0	0	260.52 MTBMA	Operational	06/83	05/85
287	Field Data and Operating Time	AUF	94	99	39,991	0	0	425.43 MTBF Functional	Operational	06/83	05/85
287	Field Data and Operating Time	AUF	193	0	39,991	0	0	207.20 MTBMA	Operational	06/83	05/85
287	Field Data and Operating Time	AUF	155	112	43,935	0	0	283.45 MTBF Functional	Operational	06/83	05/85
287	Field Data and Operating Time	AUF	267	0	43,935	0	0	164.55 MTBMA	Operational	06/83	05/85
288	Analysis & Prediction Report	AUF	0	0	0	0	0	1,678.00 MTBF Series	Development		
288	Demonstration Test Report	AUF	4	5	1,492	0	0	373.00 MTBF Series	Development	09/69	03/70
288	Production Sample Verification	AUF	5	2	931	0	16	186.20 MTBF Series	Production	09/70	02/71
288	Production Sample Verification	AUF	5	3	931	0	20	186.20 MTBF Series	Production	03/71	04/71
288	Production Sample Verification	AUF	8	6	917	0	19	114.62 MTBF Series	Production	05/71	09/71
288	Field Data and Operating Time	AUF	32	21	24,207	0	0	756.46 MTBF Functional	Operational	06/83	05/85
288	Field Data and Operating Time	AUF	53	0	24,207	0	0	456.73 MTBMA	Operational	06/83	05/85
288	Field Data and Operating Time	AUF	96	71	38,558	0	0	401.64 MTBF Functional	Operational	06/83	05/85
288	Field Data and Operating Time	AUF	167	0	38,558	0	0	230.88 MTBMA	Operational	06/83	05/85
288	Field Data and Operating Time	AUF	67	110	39,991	0	0	596.88 MTBF Functional	Operational	06/83	05/85
288	Field Data and Operating Time	AUF	177	0	39,991	0	0	225.93 MTBMA	Operational	06/83	05/85
288	Field Data and Operating Time	AUF	122	122	43,935	0	0	360.12 MTBF Functional	Operational	06/83	05/85
288	Field Data and Operating Time	AUF	244	0	43,935	0	0	180.06 MTBMA	Operational	06/83	05/85

Electronic Warfare, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
51	Analysis & Prediction Report	AU	0	0	0	0	0	666,666.00 MTBF Series	Development		
51	Simulated Operation	AUF	0	0	310	0	0	447.33 MTBF Series	Development	07/72	11/74
51	Field Data and Operating Time	AUF	3	3	178,344	0	0	59,448.00 MTBF Functional	Operational	05/83	04/85
51	Field Data and Operating Time	AUF	6	0	178,344	0	0	29,724.00 MTBMA	Operational	05/83	04/85
51	Field Data and Operating Time	AUF	14	4	173,620	0	0	12,401.42 MTBF Functional	Operational	05/83	04/85
51	Field Data and Operating Time	AUF	18	0	173,620	0	0	9,645.55 MTBMA	Operational	05/83	04/85
52	Analysis & Prediction Report	AU	0	0	0	0	0	666,666.00 MTBF Series	Development		
52	Simulated Operation	AUF	0	0	310	0	0	447.33 MTBF Series	Development	07/72	11/74
52	Field Data and Operating Time	AUF	4	2	178,344	0	0	44,586.00 MTBF Functional	Operational	05/83	04/85
52	Field Data and Operating Time	AUF	6	0	178,344	0	0	29,724.00 MTBMA	Operational	05/83	04/85

Electronic Warfare, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
52	Field Data and Operating Time	AUF	29	0	173,620	0	0	5,986.89 MTBMA	Operational	05/83	04/85
52	Field Data and Operating Time	AUF	12	17	173,620	0	0	14,468.33 MTBF Functional	Operational	05/83	04/85
54	Analysis & Prediction Report	AU	0	0	0	0	0	500,000.00 MTBF Series	Development		
54	Simulated Operation	AUF	0	0	310	0	0	447.33 MTBF Series	Development	07/72	11/74
54	Field Data and Operating Time	AUF	25	44	178,344	0	0	7,133.76 MTBF Functional	Operational	05/83	04/85
54	Field Data and Operating Time	AUF	69	0	178,344	0	0	2,584.69 MTBMA	Operational	05/83	04/85
54	Field Data and Operating Time	AUF	21	39	173,620	0	0	8,267.61 MTBF Functional	Operational	05/83	04/85
54	Field Data and Operating Time	AUF	60	0	173,620	0	0	2,893.66 MTBMA	Operational	05/83	04/85
73	Contract Spec/Requirement	AUF	5	11	173,620	0	0	34,724.00 MTBM	Development	05/83	04/85
73	Analysis & Prediction Report	AU	0	0	0	0	0	26,525.00 MTBF Series	Production		12/78
73	Simulated Operation	AUF	1	0	4,106	0	0	4,106.00 MTBF Series	Development	07/72	11/74
73	Field Data and Operating Time	AUF	14	7	178,344	0	0	12,738.85 MTBF Functional	Operational	05/83	04/85
73	Field Data and Operating Time	AUF	21	0	178,344	0	0	8,492.57 MTBMA	Operational	05/83	04/85
73	Field Data and Operating Time	AUF	16	0	173,620	0	0	10,851.25 MTBMA	Operational	05/83	04/85
77	Analysis & Prediction Report	AU	0	0	0	0	0	26,385.00 MTBF Series	Production		12/78
77	Simulated Operation	AUF	1	0	651	0	0	651.00 MTBF Series	Development	07/72	11/74
77	Field Data and Operating Time	AUF	82	23	178,344	0	0	2,174.92 MTBF Functional	Operational	05/83	04/85
77	Field Data and Operating Time	AUF	105	0	178,344	0	0	1,698.51 MTBMA	Operational	05/83	04/85
77	Field Data and Operating Time	AUF	110	35	173,620	0	0	1,578.36 MTBF Functional	Operational	05/83	04/85
77	Field Data and Operating Time	AUF	145	0	173,620	0	0	1,197.37 MTBMA	Operational	05/83	04/85
78	Analysis & Prediction Report	AU	0	0	0	0	0	26,525.00 MTBF Series	Production		12/78
78	Simulated Operation	AUF	1	0	651	0	0	651.00 MTBF Series	Development	07/72	11/74
78	Field Data and Operating Time	AUF	107	0	178,344	0	0	1,666.76 MTBMA	Operational	05/83	04/85
78	Field Data and Operating Time	AUF	83	24	178,344	0	0	2,148.72 MTBF Functional	Operational	05/83	04/85
78	Field Data and Operating Time	AUF	91	36	173,620	0	0	1,907.91 MTBF Functional	Operational	05/83	04/85
78	Field Data and Operating Time	AUF	127	0	173,620	0	0	1,367.08 MTBMA	Operational	05/83	04/85
79	Analysis & Prediction Report	AU	0	0	0	0	0	26,525.00 MTBF Series	Production		12/78
79	Simulated Operation	AUF	0	0	651	0	0	939.39 MTBF Series	Development	07/72	11/74
79	Field Data and Operating Time	AUF	20	23	178,344	0	0	8,917.20 MTBF Functional	Operational	05/83	04/85
79	Field Data and Operating Time	AUF	43	0	178,344	0	0	4,147.53 MTBMA	Operational	05/83	04/85
79	Field Data and Operating Time	AUF	45	0	173,620	0	0	3,858.22 MTBF Functional	Operational	05/83	04/85
79	Field Data and Operating Time	AUF	27	18	173,620	0	0	6,430.37 MTBF Functional	Operational	05/83	04/85
80	Analysis & Prediction Report	AU	0	0	0	0	0	26,525.00 MTBF Series	Production		12/78
80	Simulated Operation	AUF	0	0	651	0	0	939.39 MTBF Series	Development	07/72	11/74
80	Field Data and Operating Time	AUF	60	0	178,344	0	0	2,972.40 MTBMA	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
80	Field Data and Operating Time	AUF	21	39	178,344	0	0	8,492.57 MTBF Functional	Operational	05/83	04/85
80	Field Data and Operating Time	AUF	23	52	173,620	0	0	7,548.69 MTBF Functional	Operational	05/83	04/85
80	Field Data and Operating Time	AUF	75	0	173,620	0	0	2,314.93 MTBMA	Operational	05/83	04/85
294	Analysis & Prediction Report	AU	0	0	0	0	0	4,606.00 MTBF Series	Development		
295	Analysis & Prediction Report	AU	0	0	0	0	0	4,343.00 MTBF Series	Development		
296	Analysis & Prediction Report	AU	0	0	0	0	0	16,220.00 MTBF Series	Development		
405	Analysis & Prediction Report	AUF	0	0	0	0	0	190,840.00 MTBF Series	Development		
405	Field Data and Operating Time	AUF	25	50	79,982	0	0	3,199.28 MTBF Functional	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	75	0	79,982	0	0	1,066.42 MTBMA	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	17	15	77,116	0	0	4,536.23 MTBF Functional	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	32	0	77,116	0	0	2,409.87 MTBMA	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	17	11	48,414	0	0	2,847.88 MTBF Functional	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	28	0	48,414	0	0	1,729.07 MTBMA	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	34	22	87,870	0	0	2,584.41 MTBF Functional	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	56	0	87,870	0	0	1,569.10 MTBMA	Operational	06/83	05/85
405	Field Data and Operating Time	AUF	14	26	79,026	0	0	5,644.71 MTBF Functional	Operational	06/83	05/85
406	Analysis & Prediction Report	AUF	0	0	0	0	0	34,868.00 MTBF Series	Development		
406	Field Data and Operating Time	AUF	4	1	39,991	0	0	9,997.75 MTBF Functional	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	5	0	39,991	0	0	7,998.20 MTBMA	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	10	1	38,558	0	0	3,855.80 MTBF Functional	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	11	0	38,558	0	0	3,505.27 MTBMA	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	3	2	24,207	0	0	8,069.00 MTBF Functional	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	5	0	24,207	0	0	4,841.40 MTBMA	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	4	1	43,935	0	0	10,983.75 MTBF Functional	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	5	0	43,935	0	0	8,787.00 MTBMA	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	6	10	39,513	0	0	6,585.50 MTBF Functional	Operational	06/83	05/85
406	Field Data and Operating Time	AUF	16	0	39,513	0	0	2,469.56 MTBMA	Operational	06/83	05/85

Electronic Warfare, Cooling/Press./Vacuum

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
299	Analysis & Prediction Report	AU	0	0	0	0	0	50,000.00 MTBF Series	Development		
300	Analysis & Prediction Report	AU	0	0	0	0	0	50,000.00 MTBF Series	Development		

Electronic Warfare, Filter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
45	Contract Spec/Requirement	AUF	0	0	0	0	0	1,000.00 MTBF Series	Production		
45	Contract Spec/Requirement	AUF	0	0	0	0	0	1,000.00 MTBF Series	Development		
45	Analysis & Prediction Report	AU	0	0	0	0	0	4,714.00 MTBF Series	Development		
45	Demonstration Test Report	AUF	6	17	7,881	3,940	0	1,313.50 MTBF Series	Development	12/72	09/73
45	Production Sample Verification	AUF	3	6	5,031	1,260	0	1,677.00 MTBF Series	Production	04/75	08/75
45	Production Sample Verification	AUF	3	4	4,286	2,143	0	1,428.66 MTBF Series	Production	06/76	01/77
45	Production Sample Verification	AUF	0	2	2,219	1,110	0	3,202.02 MTBF Series	Production	01/77	03/77
45	Production Sample Verification	AUF	0	1	2,210	1,105	0	3,189.03 MTBF Series	Production	03/77	06/77
45	Simulated Operation	AUF	1	0	4,106	0	0	4,106.00 MTBF Series	Development	07/72	11/74
45	Simulated Operation	AUF	1	0	2,450	0	0	2,450.00 MTBF Series	Development	04/74	06/75
45	Field Data and Operating Time	AUF	11	0	24,470	0	203	2,224.54 MTBM	Operational	07/77	12/77
45	Field Data and Operating Time	AUF	1	0	30,705	0	269	30,705.00 MTBM	Operational	01/78	06/78
45	Field Data and Operating Time	AUF	1	0	37,453	0	296	37,453.00 MTBM	Operational	07/78	12/78
45	Field Data and Operating Time	AUF	5	0	18,044	0	161	3,608.80 MTBM	Operational	01/77	06/77
45	Field Data and Operating Time	AUF	270	0	178,344	0	0	660.53 MTBMA	Operational	05/83	04/85
45	Field Data and Operating Time	AUF	111	159	178,344	0	0	1,606.70 MTBF Functional	Operational	05/83	04/85
45	Field Data and Operating Time	AUF	76	125	173,620	0	0	2,284.47 MTBF Functional	Operational	05/83	04/85
45	Field Data and Operating Time	AUF	201	0	173,620	0	0	863.78 MTBMA	Operational	05/83	04/85
356	Contract Spec/Requirement	AUF	0	0	0	0	0	1,500.00 MTBF Series	Development		
356	Analysis & Prediction Report	AUF	0	0	0	0	0	23,068.00 MTBF Series	Development		
356	Field Data and Operating Time	AUF	188	185	303,981	0	0	1,616.92 MTBF Functional	Operational	05/83	04/85
356	Field Data and Operating Time	AUF	373	0	303,981	0	0	814.96 MTBMA	Operational	05/83	04/85
356	Field Data and Operating Time	AUF	47	38	53,220	0	0	1,132.34 MTBF Functional	Operational	05/83	04/85
356	Field Data and Operating Time	AUF	85	0	53,220	0	0	626.11 MTBMA	Operational	05/83	04/85
402	Analysis & Prediction Report	AUF	0	0	0	0	0	999,999.00 MTBF Series	Development		
402	Field Data and Operating Time	AUF	0	0	38,558	0	0	55,639.24 MTBF Functional	Operational	06/83	05/85
402	Field Data and Operating Time	AUF	0	0	38,558	0	0	55,639.24 MTBMA	Operational	06/83	05/85
402	Field Data and Operating Time	AUF	3	0	39,991	0	0	13,330.33 MTBF Functional	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare, Filter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
402	Field Data and Operating Time	AUF	3	0	39,991	0	0	13,330.33 MTBMA	Operational	06/83	05/85

Electronic Warfare, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
60	Analysis & Prediction Report	AU	0	0	0	0	0	41,913.00 MTBF Series	Development		03/73
60	Demonstration Test Report	AUF	0	0	1,856	1,290	0	2,678.21 MTBF Series	Development	01/74	05/74
60	Simulated Operation	AUF	0	0	310	0	0	447.33 MTBF Series	Development	07/72	11/74
60	Field Data and Operating Time	AUF	3	2	178,344	0	0	59,448.00 MTBF Functional	Operational	05/83	04/85
60	Field Data and Operating Time	AUF	5	0	178,344	0	0	35,668.80 MTBMA	Operational	05/83	04/85
60	Field Data and Operating Time	AUF	7	0	173,620	0	0	24,802.85 MTBMA	Operational	05/83	04/85
60	Field Data and Operating Time	AUF	2	5	173,620	0	0	86,810.00 MTBF Functional	Operational	05/83	04/85
74	Analysis & Prediction Report	AI	0	0	0	0	0	103,093.00 MTBF Series	Production		12/78
74	Demonstration Test Report	AI	0	0	916	549	2	1,321.78 MTBF Series	Production	08/78	01/79
74	Production Sample Verification	AI	0	0	956	573	2	1,379.50 MTBF Series	Production	04/79	10/79
74	Simulated Operation	AIF	1	0	651	0	0	651.00 MTBF Series	Development	07/72	11/74
74	Field Data and Operating Time	AIF	75	16	178,344	0	0	2,377.92 MTBF Functional	Operational	05/83	04/85
74	Field Data and Operating Time	AIF	91	0	178,344	0	0	1,959.82 MTBMA	Operational	05/83	04/85
74	Field Data and Operating Time	AIF	68	25	173,620	0	0	2,553.23 MTBF Functional	Operational	05/83	04/85
74	Field Data and Operating Time	AIF	93	0	173,620	0	0	1,866.88 MTBMA	Operational	05/83	04/85
75	Analysis & Prediction Report	AI	0	0	0	0	0	303,030.00 MTBF Series	Production		12/78
75	Demonstration Test Report	AI	0	0	916	549	2	1,321.78 MTBF Series	Production	08/78	01/79
75	Production Sample Verification	AI	0	0	956	573	0	1,379.50 MTBF Series	Production	04/79	10/79
75	Simulated Operation	AIF	0	0	651	0	0	939.39 MTBF Series	Development	07/72	11/74
75	Field Data and Operating Time	AIF	22	17	178,344	0	0	8,106.54 MTBF Functional	Operational	05/83	04/85
75	Field Data and Operating Time	AIF	39	0	178,344	0	0	4,572.92 MTBMA	Operational	05/83	04/85
75	Field Data and Operating Time	AIF	123	88	173,620	0	0	1,411.54 MTBF Functional	Operational	05/83	04/85
75	Field Data and Operating Time	AIF	211	0	173,620	0	0	822.84 MTBMA	Operational	05/83	04/85
76	Analysis & Prediction Report	AI	0	0	0	0	0	7,318.00 MTBF Series	Production		12/78
76	Demonstration Test Report	AI	0	0	916	549	2	1,321.78 MTBF Series	Production	08/78	01/79
76	Production Sample Verification	AI	0	0	956	573	2	1,379.50 MTBF Series	Production	04/79	10/79
76	Simulated Operation	AIF	1	0	574	0	0	574.00 MTBF Series	Development	07/72	11/74
76	Field Data and Operating Time	AIF	144	77	178,344	0	0	1,238.50 MTBF Functional	Operational	05/83	04/85
76	Field Data and Operating Time	AIF	221	0	178,344	0	0	806.98 MTBMA	Operational	05/83	04/85

Electronic Warfare, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
76	Field Data and Operating Time	AIF	163	86	173,620	0	0	1,065.15 MTBF Functional	Operational	05/83	04/85
76	Field Data and Operating Time	AIF	249	0	173,620	0	0	697.26 MTBMA	Operational	05/83	04/85
289	Analysis & Prediction Report	AIF	0	0	0	0	0	15,752.00 MTBF Series	Development		
289	Demonstration Test Report	AIF	1	0	1,491	0	0	1,491.00 MTBF Series	Development	09/69	03/70
289	Production Sample Verification	AIF	0	1	932	0	16	1,344.87 MTBF Series	Production	09/70	02/71
289	Production Sample Verification	AIF	0	0	931	0	20	1,343.43 MTBF Series	Production	03/71	04/71
289	Production Sample Verification	AIF	0	0	911	0	19	1,314.57 MTBF Series	Production	05/71	09/71
289	Field Data and Operating Time	AIF	37	19	24,207	0	0	654.24 MTBF Functional	Operational	06/83	05/85
289	Field Data and Operating Time	AIF	56	0	24,207	0	0	432.26 MTBMA	Operational	06/83	05/85
289	Field Data and Operating Time	AIF	65	55	38,558	0	0	593.20 MTBF Functional	Operational	06/83	05/85
289	Field Data and Operating Time	AIF	120	0	38,558	0	0	321.31 MTBMA	Operational	06/83	05/85
289	Field Data and Operating Time	AIF	110	102	39,991	0	0	363.55 MTBF Functional	Operational	06/83	05/85
289	Field Data and Operating Time	AIF	212	0	39,991	0	0	188.63 MTBMA	Operational	06/83	05/85
289	Field Data and Operating Time	AIF	153	110	43,935	0	0	287.15 MTBF Functional	Operational	06/83	05/85
289	Field Data and Operating Time	AIF	263	0	43,935	0	0	167.05 MTBMA	Operational	06/83	05/85
297	Analysis & Prediction Report	AI	0	0	0	0	0	800.00 MTBF Series	Development		
297	Demonstration Test Report	AI	1	5	560	400	0	560.00 MTBF Series	Development	06/78	10/78
396	Analysis & Prediction Report	AIF	0	0	0	0	0	2,080.00 MTBF Series	Development		
396	Field Data and Operating Time	AIF	3	4	13,740	0	0	4,580.00 MTBF Functional	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	7	0	13,740	0	0	1,962.85 MTBMA	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	268	57	39,991	0	0	149.22 MTBF Functional	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	325	0	39,991	0	0	123.04 MTBMA	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	171	40	38,558	0	0	225.48 MTBF Functional	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	211	0	38,558	0	0	182.73 MTBMA	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	93	25	24,207	0	0	260.29 MTBF Functional	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	118	0	24,207	0	0	205.14 MTBMA	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	161	52	43,935	0	0	272.88 MTBF Functional	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	213	0	43,935	0	0	206.26 MTBMA	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	146	56	39,513	0	0	270.63 MTBF Functional	Operational	06/83	05/85
396	Field Data and Operating Time	AIF	202	0	39,513	0	0	195.60 MTBMA	Operational	06/83	05/85
397	Analysis & Prediction Report	AIF	0	0	0	0	0	17,062.00 MTBF Series	Development		
397	Field Data and Operating Time	AIF	0	1	13,740	0	0	19,826.83 MTBF Functional	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	1	0	13,740	0	0	13,740.00 MTBMA	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	43	13	39,991	0	0	930.02 MTBF Functional	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	56	0	39,991	0	0	714.12 MTBMA	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
397	Field Data and Operating Time	AIF	51	26	38,558	0	0	756.03 MTBF Functional	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	77	0	38,558	0	0	500.75 MTBMA	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	36	18	24,207	0	0	672.41 MTBF Functional	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	54	0	24,207	0	0	448.27 MTBMA	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	53	15	43,935	0	0	828.96 MTBF Functional	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	68	0	43,935	0	0	646.10 MTBMA	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	72	26	39,513	0	0	548.79 MTBF Functional	Operational	06/83	05/85
397	Field Data and Operating Time	AIF	98	0	39,513	0	0	403.19 MTBMA	Operational	06/83	05/85

Electronic Warfare, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
298	Analysis & Prediction Report	AU	0	0	0	0	0	50,000.00 MTBF Series	Development		
400	Analysis & Prediction Report	AUF	0	0	0	0	0	387,597.00 MTBF Series	Development		
400	Field Data and Operating Time	AUF	0	0	39,991	0	0	57,707.07 MTBF Functional	Operational	06/83	05/85
400	Field Data and Operating Time	AUF	0	0	39,991	0	0	57,707.07 MTBMA	Operational	06/83	05/85
401	Analysis & Prediction Report	AUF	0	0	0	0	0	324,675.00 MTBF Series	Development		
401	Field Data and Operating Time	AUF	0	0	79,982	0	0	115,414.14 MTBF Functional	Operational	06/83	05/85
401	Field Data and Operating Time	AUF	0	0	79,982	0	0	115,414.14 MTBMA	Operational	06/83	05/85

Electronic Warfare, Miscellaneous

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
404	Analysis & Prediction Report	AUF	0	0	0	0	0	37,930.00 MTBF Series	Development		
404	Field Data and Operating Time	AUF	0	0	13,740	0	0	19,826.83 MTBF Functional	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	0	0	13,740	0	0	19,826.83 MTBMA	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	18	14	39,991	0	0	2,221.72 MTBF Functional	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	32	0	39,991	0	0	1,249.71 MTBMA	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	18	31	38,558	0	0	2,142.11 MTBF Functional	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	49	0	38,558	0	0	786.89 MTBF Functional	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	16	13	24,207	0	0	1,512.93 MTBF Functional	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	29	0	24,207	0	0	834.72 MTBMA	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	18	19	43,935	0	0	2,440.83 MTBF Functional	Operational	06/83	05/85

Electronic Warfare, Miscellaneous

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
404	Field Data and Operating Time	AUF	37	0	43,935	0	0	1,187.43 MTBMA	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	27	20	39,513	0	0	1,463.44 MTBF Functional	Operational	06/83	05/85
404	Field Data and Operating Time	AUF	47	0	39,513	0	0	840.70 MTBMA	Operational	06/83	05/85

Electronic Warfare, Mux/Demux

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
56	Analysis & Prediction Report	AI	0	0	0	0	0	400,000.00 MTBF Series	Development		
56	Simulated Operation	AIF	0	0	310	0	0	447.33 MTBF Series	Development	07/72	11/74
56	Field Data and Operating Time	AIF	2	3	178,344	0	0	89,172.00 MTBF Functional	Operational	05/83	04/85
56	Field Data and Operating Time	AIF	5	0	178,344	0	0	35,668.80 MTBMA	Operational	05/83	04/85
56	Field Data and Operating Time	AIF	7	0	173,620	0	0	24,802.85 MTBMA	Operational	05/83	04/85
56	Field Data and Operating Time	AIF	2	5	173,620	0	0	86,810.00 MTBF Functional	Operational	05/83	04/85

Electronic Warfare, Power Supply

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
81	Analysis & Prediction Report	AU	0	0	0	0	0	6,943.00 MTBF Series	Production		12/78
81	Simulated Operation	AUF	0	0	651	0	0	939.39 MTBF Series	Development	07/72	11/74
81	Field Data and Operating Time	AUF	204	87	178,344	0	0	874.23 MTBF Functional	Operational	05/83	04/85
81	Field Data and Operating Time	AUF	291	0	178,344	0	0	612.86 MTBMA	Operational	05/83	04/85
81	Field Data and Operating Time	AUF	229	92	173,620	0	0	758.16 MTBF Functional	Operational	05/83	04/85
81	Field Data and Operating Time	AUF	321	0	173,620	0	0	540.87 MTBMA	Operational	05/83	04/85

Electronic Warfare, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
82	Analysis & Prediction Report	AU	0	0	0	0	0	959.00 MTBF Series	Production		12/78
82	Demonstration Test Report	AU	0	12	916	549	2	1,321.78 MTBF Series	Production	08/78	01/79
82	Production Sample Verification	AU	2	0	956	573	2	478.00 MTBF Series	Production	04/79	10/79
82	Simulated Operation	AUF	7	0	651	0	0	93.00 MTBF Series	Development	07/72	11/74
82	Field Data and Operating Time	AUF	499	277	178,344	0	0	357.40 MTBF Functional	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
82	Field Data and Operating Time	AUF	776	0	178,344	0	0	229.82 MTBMA	Operational	05/83	04/85
82	Field Data and Operating Time	AUF	513	360	173,620	0	0	338.44 MTBF Functional	Operational	05/83	04/85
82	Field Data and Operating Time	AUF	873	0	173,620	0	0	198.87 MTBMA	Operational	05/83	04/85
83	Analysis & Prediction Report	AU	0	0	0	0	0	4,417.00 MTBF Series	Production		12/78
83	Demonstration Test Report	AU	1	1	916	549	2	916.00 MTBF Series	Production	08/78	01/79
83	Production Sample Verification	AU	0	3	956	573	2	1,379.50 MTBF Series	Production	04/79	10/79
83	Simulated Operation	AUF	3	0	687	0	0	229.00 MTBF Series	Development	07/72	11/74
83	Field Data and Operating Time	AUF	205	76	178,344	0	0	869.97 MTBF Functional	Operational	05/83	04/85
83	Field Data and Operating Time	AUF	281	0	178,344	0	0	634.67 MTBMA	Operational	05/83	04/85
83	Field Data and Operating Time	AUF	407	153	173,620	0	0	426.58 MTBF Functional	Operational	05/83	04/85
83	Field Data and Operating Time	AUF	560	0	173,620	0	0	310.03 MTBMA	Operational	05/83	04/85
283	Analysis & Prediction Report	AUF	0	0	0	0	0	408.00 MTBF Series	Development	06/69	04/70
283	Demonstration Test Report	AUF	2	1	1,490	0	0	745.00 MTBF Series	Development	09/69	03/70
283	Production Sample Verification	AUF	6	6	935	0	16	155.83 MTBF Series	Production	09/70	02/71
283	Production Sample Verification	AUF	2	4	929	0	20	464.50 MTBF Series	Production	03/71	05/71
283	Production Sample Verification	AUF	10	10	907	0	19	90.70 MTBF Series	Production	04/71	09/71
283	Field Data and Operating Time	AUF	24	4	24,207	0	0	1,008.62 MTBF Functional	Operational	06/83	05/85
283	Field Data and Operating Time	AUF	28	0	24,207	0	0	864.53 MTBMA	Operational	06/83	05/85
283	Field Data and Operating Time	AUF	27	11	38,558	0	0	1,428.07 MTBF Functional	Operational	06/83	05/85
283	Field Data and Operating Time	AUF	38	0	38,558	0	0	1,014.68 MTBMA	Operational	06/83	05/85
283	Field Data and Operating Time	AUF	38	12	39,991	0	0	1,052.39 MTBF Functional	Operational	06/83	05/85
233	Field Data and Operating Time	AUF	50	0	39,991	0	0	799.82 MTBMA	Operational	06/83	05/85
283	Field Data and Operating Time	AUF	29	23	43,935	0	0	1,515.00 MTBF Functional	Operational	06/83	05/85
283	Field Data and Operating Time	AUF	31	0	43,935	0	0	1,417.25 MTBMA	Operational	06/83	05/85
284	Analysis & Prediction Report	AUF	0	0	0	0	0	408.00 MTBF Series	Development	06/69	04/70
284	Demonstration Test Report	AUF	3	4	1,490	0	0	496.66 MTBF Series	Development	09.69	03/70
284	Production Sample Verification	AUF	4	3	931	0	16	232.75 MTBF Series	Production	09/70	02/71
284	Production Sample Verification	AUF	7	7	934	0	20	133.42 MTBF Series	Production	03/71	05/71
284	Production Sample Verification	AUF	3	6	909	0	19	303.00 MTBF Series	Production	04/71	09/71
284	Field Data and Operating Time	AUF	31	20	24,207	0	0	780.87 MTBF Functional	Operational	06/83	05/85
284	Field Data and Operating Time	AUF	51	0	24,207	0	0	474.64 MTBMA	Operational	06/83	05/85
284	Field Data and Operating Time	AUF	87	100	38,558	0	0	443.19 MTBF Functional	Operational	06/83	05/85
284	Field Data and Operating Time	AUF	187	0	38,558	0	0	206.19 MTBMA	Operational	06/83	05/85
284	Field Data and Operating Time	AUF	114	103	39,991	0	0	350.79 MTBF Functional	Operational	06/83	05/85
284	Field Data and Operating Time	AUF	217	0	39,991	0	0	184.29 MTBMA	Operational	06/83	05/85

Electronic Warfare, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
284	Field Data and Operating Time	AUF	181	128	43,935	0	0	242.73 MTBF Functional	Operational	06/83	05/85
284	Field Data and Operating Time	AUF	309	0	43,935	0	0	142.18 MTBMA	Operational	06/83	05/85
285	Analysis & Prediction Report	AUF	0	0	0	0	0	408.00 MTBF Series	Development	06/69	04/70
285	Demonstration Test Report	AUF	1	1	1,492	0	0	1,492.00 MTBF Series	Development	09/69	03/70
285	Production Sample Verification	AUF	4	0	931	0	16	232.75 MTBF Series	Production	09/70	02/71
285	Production Sample Verification	AUF	3	2	931	0	20	310.33 MTBF Series	Production	03/71	05/71
285	Production Sample Verification	AUF	4	7	917	0	19	229.25 MTBF Series	Production	04/71	09/71
285	Field Data and Operating Time	AUF	31	25	24,207	0	0	780.87 MTBF Functional	Operational	06/83	05/85
285	Field Data and Operating Time	AUF	56	0	24,207	0	0	432.26 MTBMA	Operational	06/83	05/85
285	Field Data and Operating Time	AUF	94	98	38,558	0	0	410.19 MTBF Functional	Operational	06/83	05/85
285	Field Data and Operating Time	AUF	192	0	38,558	0	0	200.82 MTBMA	Operational	06/83	05/85
285	Field Data and Operating Time	AUF	97	120	39,991	0	0	412.27 MTBF Functional	Operational	06/83	05/85
285	Field Data and Operating Time	AUF	217	0	39,991	0	0	184.29 MTBMA	Operational	06/83	05/85
285	Field Data and Operating Time	AUF	170	138	43,935	0	0	258.44 MTBF Functional	Operational	06/83	05/85
285	Field Data and Operating Time	AUF	308	0	43,935	0	0	142.64 MTBMA	Operational	06/83	05/85
398	Analysis & Prediction Report	AUF	0	0	0	0	0	1,164.00 MTBF Series	Development		
398	Field Data and Operating Time	AUF	0	0	13,740	0	0	19,826.83 MTBF Functional	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	0	0	13,740	0	0	19,826.83 MTBMA	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	93	78	39,991	0	0	430.01 MTBF Functional	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	171	0	39,991	0	0	233.86 MTBMA	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	87	35	38,558	0	0	443.19 MTBF Functional	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	122	0	38,558	0	0	316.04 MTBMA	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	82	44	24,207	0	0	295.20 MTBF Functional	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	126	0	24,207	0	0	192.11 MTBMA	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	147	97	43,925	0	0	298.80 MTBF Functional	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	244	0	43,925	0	0	180.02 MTBMA	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	117	63	39,513	0	0	337.71 MTBF Functional	Operational	06/83	05/85
398	Field Data and Operating Time	AUF	180	0	39,513	0	0	219.51 MTBMA	Operational	06/83	05/85
399	Analysis & Prediction Report	AUF	0	0	0	0	0	354.00 MTBF Series	Development		
399	Field Data and Operating Time	AUF	0	1	13,740	0	0	19,826.83 MTBF Functional	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	1	0	13,740	0	0	13,740.00 MTBMA	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	280	217	39,991	0	0	142.82 MTBF Functional	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	497	0	39,991	0	0	80.46 MTBMA	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	278	137	38,558	0	0	138.69 MTBF Functional	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	415	0	38,558	0	0	92.91 MTBMA	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
399	Field Data and Operating Time	AUF	185	80	24,207	0	0	130.84 MTBF Functional	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	265	0	24,207	0	0	91.34 MTBMA	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	345	280	43,935	0	0	127.34 MTBF Functional	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	625	0	43,935	0	0	70.29 MTBMA	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	283	169	39,513	0	0	139.62 MTBF Functional	Operational	06/83	05/85
399	Field Data and Operating Time	AUF	452	0	39,513	0	0	87.41 MTBMA	Operational	06/83	05/85

Electronic Warfare, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
69	Demonstration Test Report	AIF	0	6	0	0	0	0.00 MTBF Series	Development	02/75	03/75
69	Demonstration Test Report	AIF	2	1	0	0	0	0.00 MTBF Series	Development	03/75	03/75
69	Demonstration Test Report	AIF	4	12	925	661	0	231.25 MTBF Series	Development	03/75	06/75
69	Simulated Operation	AIF	2	0	210	0	0	105.00 MTBF Series	Development	07/72	11/74
69	Field Data and Operating Time	AIF	231	83	148,927	0	0	644.70 MTBF Functional	Operational	05/83	04/85
69	Field Data and Operating Time	AIF	314	0	148,927	0	0	474.28 MTBMA	Operational	05/83	04/85
69	Field Data and Operating Time	AIF	540	320	144,398	0	0	267.40 MTBF Functional	Operational	05/83	04/85
69	Field Data and Operating Time	AIF	860	0	144,398	0	0	167.90 MTBMA	Operational	05/83	04/85
71	Demonstration Test Report	AIF	1	1	0	0	0	0.00 MTBF Series	Development	02/75	03/75
71	Demonstration Test Report	AIF	0	0	0	0	0	0.00 MTBF Series	Development	03/75	03/75
71	Demonstration Test Report	AIF	2	8	925	661	0	462.50 MTBF Series	Development	03/75	06/75
71	Simulated Operation	AIF	2	0	64	0	0	32.00 MTBF Series	Development	07/72	11/74
71	Field Data and Operating Time	AIF	713	0	148,927	0	0	208.87 MTBMA	Operational	05/83	04/85
71	Field Data and Operating Time	AIF	557	156	148,927	0	0	267.37 MTBF Functional	Operational	05/83	04/85
71	Field Data and Operating Time	AIF	1,276	685	144,398	0	0	113.16 MTBF Functional	Operational	05/83	04/85
71	Field Data and Operating Time	AIF	1,961	0	144,398	0	0	73.63 MTBMA	Operational	05/83	04/85
403	Contract Spec/Requirement	AUF	0	0	0	0	0	345.00 MTBF Series	Development		
403	Analysis & Prediction Report	AUF	0	0	0	0	0	701.00 MTBF Series	Development		
403	Demonstration Test Report	AUF	1	0	1,012	0	0	1,012.00 MTBF Series	Development		
403	Field Data and Operating Time	AUF	0	0	13,740	0	0	19,826.83 MTBF Functional	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	0	0	13,740	0	0	19,826.83 MTBMA	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	137	185	39,991	0	0	291.90 MTBF Functional	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	321	0	39,991	0	0	124.58 MTBMA	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	88	85	38,558	0	0	438.15 MTBF Functional	Operational	06/83	05/85

Electronic Warfare, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
403	Field Data and Operating Time	AUF	173	0	38,558	0	0	222.87 MTBMA	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	98	87	24,207	0	0	247.01 MTBF Functional	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	185	0	24,207	0	0	130.84 MTBMA	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	194	268	43,935	0	0	226.46 MTBF Functional	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	462	0	43,935	0	0	95.09 MTBMA	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	171	234	39,513	0	0	231.07 MTBF Functional	Operational	06/83	05/85
403	Field Data and Operating Time	AUF	405	0	39,513	0	0	97.56 MTBMA	Operational	06/83	05/85

Electronic Warfare, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
58	Analysis & Prediction Report	AU	0	0	0	0	0	1,415.00 MTBF Series	Development		09/72
58	Demonstration Test Report	AUF	0	4	1,806	1,255	0	2,606.06 MTBF Series	Development	01/74	05/74
58	Simulated Operation	AUF	1	0	310	0	0	310.00 MTBF Series	Development	07/72	11/74
58	Field Data and Operating Time	AUF	506	267	178,344	0	0	352.45 MTBF Functional	Operational	05/83	04/85
58	Field Data and Operating Time	AUF	773	0	178,344	0	0	230.71 MTBMA	Operational	05/83	04/85
58	Field Data and Operating Time	AUF	1,923	0	173,620	0	0	90.28 MTBMA	Operational	05/83	04/85
58	Field Data and Operating Time	AUF	843	1,080	173,620	0	0	205.95 MTBF Functional	Operational	05/83	04/85
268	Contract Spec/Requirement	AUF	0	0	0	0	0	150.00 MTBF Series	Production		
268	Allocation/Apportion	AUF	0	0	0	0	0	200.00 MTBF Series	Production		
268	Analysis & Prediction Report	AUF	0	0	0	0	0	204.00 MTBF Series	Production		
268	Production Sample Verification	AUF	6	7	450	104	0	75.00 MTBF Series	Production	11/73	12/73
268	Production Sample Verification	AUF	4	0	750	173	15	187.50 MTBF Series	Production	05/74	06/74
268	Production Sample Verification	AUF	2	1	300	69	0	150.00 MTBF Series	Production	07/74	09/74
268	Production Sample Verification	AUF	4	4	850	196	17	212.50 MTBF Series	Production	09/74	11/74
268	Production Sample Verification	AUF	10	12	1,200	277	24	120.00 MTBF Series	Production	12/74	12/74
268	Production Sample Verification	AUF	5	3	750	173	15	150.00 MTBF Series	Production	01/75	01/75
268	Production Sample Verification	AUF	0	0	250	58	0	360.75 MTBF Series	Production	02/75	02/75
268	Production Sample Verification	AUF	6	12	1,250	288	25	208.33 MTBF Series	Production	03/75	04/75
268	Production Sample Verification	AUF	6	11	1,250	288	25	208.33 MTBF Series	Production	04/75	04/75
268	Production Sample Verification	AUF	12	4	1,050	242	21	87.50 MTBF Series	Production	05/75	05/75
268	Production Sample Verification	AUF	8	8	1,300	300	26	162.50 MTBF Series	Production	06/75	06/75
268	Production Sample Verification	AUF	14	16	1,600	369	32	114.28 MTBF Series	Production	07/75	07/75
268	Production Sample Verification	AUF	6	11	850	196	17	141.66 MTBF Series	Production	09/75	09/75

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Electronic Warfare, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
268	Production Sample Verification	AUF	9	27	1,000	231	20	111.11 MTBF Series	Production	10/75	10/75
268	Production Sample Verification	AUF	1	0	450	104	0	450.00 MTBF Series	Production	06/74	07/74
268	Production Sample Verification	AUF	2	4	500	115	10	250.00 MTBF Series	Production	11/75	11/75
268	Production Sample Verification	AUF	6	9	850	196	17	141.66 MTBF Series	Production	12/75	12/75
268	Production Sample Verification	AUF	2	1	200	46	0	100.00 MTBF Series	Production	01/76	01/76
268	Production Sample Verification	AUF	2	6	350	81	0	175.00 MTBF Series	Production	02/76	02/76
268	Production Sample Verification	AUF	0	7	300	69	0	432.90 MTBF Series	Production	03/76	03/76
268	Production Sample Verification	AUF	4	3	550	127	11	137.50 MTBF Series	Production	04/76	04/76
268	Production Sample Verification	AUF	8	9	950	219	19	118.75 MTBF Series	Production	05/76	05/76
268	Production Sample Verification	AUF	8	21	1,250	288	25	156.25 MTBF Series	Production	09/73	11/73
281	Production Sample Verification	AUF	1	2	250	58	0	250.00 MTBF Series	Production	08/76	08/76
281	Production Sample Verification	AUF	3	8	600	138	12	200.00 MTBF Series	Production	09/76	09/76
281	Production Sample Verification	AUF	10	7	1,100	254	22	110.00 MTBF Series	Production	10/76	10/76
281	Production Sample Verification	AUF	5	11	1,150	265	23	230.00 MTBF Series	Production	11/76	11/76
281	Production Sample Verification	AUF	4	7	950	219	19	237.50 MTBF Series	Production	12/76	12/76
281	Production Sample Verification	AUF	8	14	1,200	277	24	150.00 MTBF Series	Production	01/77	01/77
281	Production Sample Verification	AUF	8	4	1,300	300	26	162.50 MTBF Series	Production	02/77	02/77
281	Production Sample Verification	AUF	9	4	1,250	288	25	138.88 MTBF Series	Production	03/77	03/77
281	Production Sample Verification	AUF	9	12	1,550	358	31	172.22 MTBF Series	Production	04/77	04/77

Electronic Warfare, Transmitter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
291	Analysis & Prediction Report	AU	0	0	0	0	0	238.00 MTBF Series	Development		
291	Demonstration Test Report	AU	5	3	560	400	0	112.00 MTBF Series	Development	06/78	10/78
292	Analysis & Prediction Report	AU	0	0	0	0	0	186.00 MTBF Series	Development		
292	Demonstration Test Report	AU	4	4	560	400	0	140.00 MTBF Series	Development	06/78	10/78
293	Analysis & Prediction Report	AU	0	0	0	0	0	237.00 MTBF Series	Development		
293	Demonstration Test Report	AU	2	1	560	400	0	280.00 MTBF Series	Development	06/78	10/78

Guidance/Navigation,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
25	Contract Spec/Requirement	AU	0	0	0	0	0	500.00 MTBF Series	Development		
25	Analysis & Prediction Report	AU	0	0	0	0	0	1,336.00 MTBF Series	Development		
25	Demonstration Test Report	AU	7	10	7,127	4,287	10	1,018.14 MTBF Series	Development	01/76	03/76
25	Simulated Operation	AU	5	0	3,024	0	19	604.80 MTBF Series	Development	01/76	04/76
25	Simulated Operation	AU	42	0	2,439	0	19	58.07 MTBMA	Development	01/76	04/76
25	Field Data and Operating Time	AIC	159	165	98,190	0	0	617.54 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AIC	324	0	98,190	0	0	303.05 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AIC	899	923	1,022,625	0	0	1,137.51 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AIC	1,822	0	1,022,625	0	0	561.26 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AIC	136	124	97,060	0	0	713.67 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AIC	260	0	97,060	0	0	373.30 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AIC	141	64	96,394	0	0	683.64 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AIC	205	0	96,394	0	0	470.21 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	ARW	34	24	18,981	0	0	558.26 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	ARW	58	0	18,981	0	0	327.25 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	ARW	23	24	24,700	0	0	1,073.91 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	ARW	47	0	24,700	0	0	525.53 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	ARW	81	72	47,614	0	0	587.82 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	ARW	153	0	47,614	0	0	311.20 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	ARW	107	112	51,206	0	0	478.56 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	ARW	219	0	51,206	0	0	233.81 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUA	363	224	152,192	0	0	419.26 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	46	33	17,122	0	0	372.21 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	587	0	152,192	0	0	259.27 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	79	0	17,122	0	0	216.73 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	692	731	450,653	0	0	651.23 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	1,423	0	450,653	0	0	316.69 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	154	240	49,331	0	0	320.33 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	394	0	49,331	0	0	125.20 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	93	190	60,059	0	0	645.79 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUA	283	0	60,059	0	0	212.22 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUB	302	292	136,060	0	0	450.52 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUB	594	0	136,060	0	0	229.05 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUB	172	144	71,056	0	0	413.11 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUB	316	0	71,056	0	0	224.86 MTBMA	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
25	Field Data and Operating Time	AUC	852	1,945	684,686	0	0	803.62 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	2,797	0	684,686	0	0	244.79 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	231	289	62,103	0	0	268.84 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	520	0	62,103	0	0	119.42 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	150	165	128,203	0	0	854.68 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	315	0	128,203	0	0	406.99 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	289	208	101,203	0	0	350.18 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	497	0	101,203	0	0	203.62 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	46	19	55,107	0	0	1,197.97 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	65	0	55,107	0	0	847.80 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	2	2	1,459	0	0	729.50 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	AUC	4	0	1,459	0	0	364.75 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUC	13	8	21,009	0	0	1,616.07 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	21	0	21,009	0	0	1,000.42 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	875	856	359,519	0	0	410.87 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	1,731	0	359,519	0	0	207.69 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	71	64	68,798	0	0	968.98 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	135	0	68,798	0	0	509.61 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	255	205	61,082	0	0	239.53 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	460	0	61,082	0	0	132.78 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	23	56	18,305	0	0	795.86 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	79	0	18,305	0	0	231.70 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	1	0	5,187	0	0	5,187.00 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	1	0	5,187	0	0	5,187.00 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	13	12	14,128	0	0	1,086.76 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	AUC	25	0	14,128	0	0	565.12 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUC	1,062	1,453	561,700	0	0	528.90 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	AUC	2,515	0	561,700	0	0	223.33 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUC	15	33	59,209	0	0	3,947.26 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUC	48	0	59,209	0	0	1,233.52 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	629	865	324,229	0	0	515.46 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	1,494	0	324,229	0	0	217.02 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	146	1,339	57,556	0	0	394.21 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	1,485	0	57,556	0	0	38.75 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	237	227	94,292	0	0	397.85 MTBF Functional	Operational	07/83	06/85

Guidance/Navigation,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
25	Field Data and Operating Time	AUF	464	0	94,292	0	0	203.21 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	699	758	154,753	0	0	221.39 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	1,457	0	154,753	0	0	106.21 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	773	1,012	162,383	0	0	210.06 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	1,785	0	162,383	0	0	90.97 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	1,641	1,777	235,870	0	0	143.73 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	3,418	0	235,870	0	0	69.00 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	259	175	49,969	0	0	192.93 MTBF Functional	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	434	0	49,969	0	0	115.13 MTBMA	Operational	07/83	06/85
25	Field Data and Operating Time	AUF	73	86	24,207	0	0	331.60 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	159	0	24,207	0	0	152.24 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	40	42	13,740	0	0	343.50 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	82	0	13,740	0	0	167.56 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	26	118	39,513	0	0	1,519.73 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	144	0	39,513	0	0	274.39 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	196	140	38,558	0	0	196.72 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	341	0	38,558	0	0	113.07 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	80	63	39,991	0	0	499.88 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	143	0	39,991	0	0	279.65 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	73	149	43,935	0	0	601.84 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	223	0	43,935	0	0	197.01 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	4	15	3,620	0	0	905.00 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	19	0	3,620	0	0	190.52 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	114	121	50,729	0	0	444.99 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUF	235	0	50,729	0	0	215.86 MTBMA	Operational	06/83	05/85
25	Field Data and Operating Time	AUT	67	85	55,483	0	0	828.10 MTBF Functional	Operational	06/83	05/85
25	Field Data and Operating Time	AUT	152	0	55,483	0	0	365.01 MTBMA	Operational	06/83	05/85
117	Contract Spec/Requirement	AUF	0	0	0	0	0	1,125.00 MTBF Series	Development		
117	Analysis & Prediction Report	AU	0	0	0	0	0	1,150.00 MTBF Series	Development		
117	Demonstration Test Report	AUF	4	31	4,244	3,733	0	1,061.00 MTBF Series	Development	04/73	07/75
117	Simulated Operation	AUF	5	2	5,167	0	0	1,033.40 MTBF Series	Development	07/72	11/74
117	Field Data and Operating Time	AUF	71	0	18,044	0	161	254.14 MTBM	Operational	01/77	06/77
117	Field Data and Operating Time	AUF	118	0	24,470	0	203	207.37 MTBM	Operational	07/77	12/77
117	Field Data and Operating Time	AUF	6	0	30,705	0	269	5,117.50 MTBM	Operational	01/78	06/78
117	Field Data and Operating Time	AUF	15	0	37,453	0	296	2,496.86 MTBM	Operational	07/78	12/78

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
117	Field Data and Operating Time	AUF	1,079	1,873	178,344	0	0	165.28 MTBF Functional	Operational	05/83	04/85
117	Field Data and Operating Time	AUF	2,952	0	178,344	0	0	60.41 MTBMA	Operational	05/83	04/85
117	Field Data and Operating Time	AUF	926	1,256	173,620	0	0	187.49 MTBF Functional	Operational	05/83	04/85
117	Field Data and Operating Time	AUF	2,183	0	173,620	0	0	79.53 MTBMA	Operational	05/83	04/85
121	Simulated Operation	AUF	29	1	8,504	0	0	293.24 MTBF Series	Development	07/72	11/74
121	Field Data and Operating Time	AUF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
121	Field Data and Operating Time	AUF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
121	Field Data and Operating Time	AUF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
121	Field Data and Operating Time	AUF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
121	Field Data and Operating Time	AUF	7,774	0	178,344	0	0	22.94 MTBMA	Operational	05/83	04/85
121	Field Data and Operating Time	AUF	2,829	4,945	178,344	0	0	63.04 MTBF Functional	Operational	05/83	04/85
121	Field Data and Operating Time	AUF	2,376	3,708	173,620	0	0	73.07 MTBF Functional	Operational	05/83	04/85
121	Field Data and Operating Time	AUF	6,084	0	173,620	0	0	28.53 MTBMA	Operational	05/83	04/85
124	Contract Spec/Requirement	AUF	0	0	0	0	0	680.00 MTBF Series	Development	05/73	
124	Contract Spec/Requirement	AUF	0	0	0	0	0	715.00 MTBF Series	Production	10/75	
124	Analysis & Prediction Report	AU	0	0	0	0	0	737.00 MTBF Series	Development	05/73	
124	Analysis & Prediction Report	AU	0	0	0	0	0	985.00 MTBF Series	Production	10/75	
124	Demonstration Test Report	AUF	3	31	2,123	1,274	0	707.66 MTBF Series	Development	05/73	10/74
124	Production Sample Verification	AUF	4	14	2,364	1,419	0	591.00 MTBF Series	Production	10/75	05/76
124	Simulated Operation	AUF	2	0	3,983	0	0	1,991.50 MTBF Series	Development	07/72	11/74
124	Simulated Operation	AUF	4	0	2,655	0	0	663.75 MTBF Series	Production	04/74	06/75
124	Field Data and Operating Time	AUF	108	0	18,044	0	161	167.07 MTBM	Operational	01/77	06/77
124	Field Data and Operating Time	AUF	213	0	24,470	0	203	114.88 MTBM	Operational	07/77	12/77
124	Field Data and Operating Time	AUF	13	0	30,705	0	269	2,361.92 MTBM	Operational	01/78	06/78
124	Field Data and Operating Time	AUF	24	0	37,453	0	296	1,560.54 MTBM	Operational	07/78	12/78
124	Field Data and Operating Time	AUF	858	2,456	178,344	0	0	207.86 MTBF Functional	Operational	05/83	04/85
124	Field Data and Operating Time	AUF	3,314	0	178,344	0	0	53.81 MTBMA	Operational	05/83	04/85
124	Field Data and Operating Time	AUF	629	1,543	173,620	0	0	276.02 MTBF Functional	Operational	05/83	04/85
124	Field Data and Operating Time	AUF	2,172	0	173,620	0	0	79.93 MTBMA	Operational	05/83	04/85
212	Contract Spec/Requirement	NSB	0	0	0	0	0	500.00 MTBF Series	Development		
212	Contract Spec/Requirement	NSB	0	0	0	0	0	400.00 MTBPM	Development		
212	Analysis & Prediction Report	NSB	0	0	0	0	0	430.00 MTBF Series	Development		
212	Demonstration Test Report	NSB	14	56	8,002	167	0	571.57 MTBF Series	Development	07/74	12/74
212	Production Sample Verification	NSB	163	110	1,448	0	37	8.88 MTBF Series	Production	01/74	03/75
212	Production Sample Verification	NSB	34	23	1,328	0	37	39.05 MTBF Series	Production	02/74	02/75

Guidance/Navigation,

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212	Production Sample Verification	NSB	14	27	3,982	0	37	284.42 MTBF Series	Production	02/74	02/75
212	Production Sample Verification	NSB	95	126	5,211	0	37	54.85 MTBF Series	Production	02/74	03/75
212	Field Data and Operating Time	NSB	214	90	89,094	0	28	416.32 MTBF Functional	Operational	05/74	04/76
228	Contract Spec/Requirement	AUF	0	0	0	0	0	225.00 MTBF Series	Development		
228	Contract Spec/Requirement	AUF	0	0	0	0	0	270.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	213.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	245.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	256.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	221.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	394.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	318.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	380.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	234.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	375.00 MTBF Series	Development		
228	Analysis & Prediction Report	AU	0	0	0	0	0	232.00 MTBF Series	Development		
228	Demonstration Test Report	AUF	4	5	216	89	0	54.00 MTBF Series	Development	02/75	03/75
228	Demonstration Test Report	AUF	4	7	247	102	0	61.75 MTBF Series	Development	03/75	04/75
228	Demonstration Test Report	AUF	11	28	2,563	1,055	0	233.00 MTBF Series	Development	04/75	06/75
231	Contract Spec/Requirement	GT	0	0	0	0	0	1,500.00 MTBF Series	Development		
231	Analysis & Prediction Report	GT	0	0	0	0	0	1,738.00 MTBF Series	Development		
231	Analysis & Prediction Report	GT	0	0	0	0	0	1,780.00 MTBF Series	Development		
231	Demonstration Test Report	GT	2	1	215	0	0	107.50 MTBF Series	Development	06/77	06/77
231	Demonstration Test Report	GT	3	2	944	0	0	314.66 MTBF Series	Development	06/77	07/77
231	Demonstration Test Report	GT	3	0	793	0	0	264.33 MTBF Series	Development	07/77	08/77
231	Demonstration Test Report	GT	3	0	244	0	0	81.33 MTBF Series	Development	09/77	09/77
231	Demonstration Test Report	GT	0	0	1,290	0	0	1,861.47 MTBF Series	Development	12/77	01/78
231	Simulated Operation	GT	2	0	100	0	0	50.00 MTBF Series	Development		
231	Field Data and Operating Time	GT	9	15	177,120	0	63	19,680.00 MTBF Functional	Operational	08/83	07/85
231	Field Data and Operating Time	GT	24	0	177,120	0	63	7,380.00 MTBMA	Operational	08/83	07/85
231	Field Data and Operating Time	GT	53	0	177,120	0	63	3,341.88 MTBM	Operational	08/83	07/85
269	Field Data and Operating Time	AUC	350	167	96,394	0	0	275.41 MTBF Functional	Operational	06/83	05/85
269	Field Data and Operating Time	AUC	517	0	96,394	0	0	186.44 MTBMA	Operational	06/83	05/85
269	Field Data and Operating Time	AUC	297	0	97,060	0	0	326.80 MTBF Functional	Operational	06/83	05/85
269	Field Data and Operating Time	AUC	501	0	97,060	0	0	193.73 MTBMA	Operational	06/83	05/85
269	Field Data and Operating Time	AUC	1,801	0	511,313	0	0	283.90 MTBF Functional	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation,

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269	Field Data and Operating Time	AUC	2,927	0	511,313	0	0	174.68 MTBMA	Operational	06/83	05/85
269	Field Data and Operating Time	AUC	261	0	49,085	0	0	188.06 MTBF Functional	Operational	06/83	05/85
269	Field Data and Operating Time	AUC	359	0	49,085	0	0	136.72 MTBMA	Operational	06/83	05/85
312	Contract Spec/Requirement	AF	0	0	0	0	0	1,000.00 MTBF Series	Development		
312	Demonstration Test Report	AF	4	0	4,970	0	11	1,242.50 MTBF Series	Development	10/76	11/76
312	Field Data and Operating Time	AA	326	150	60,059	0	0	184.23 MTBF Functional	Operational	06/83	05/85
312	Field Data and Operating Time	AA	334	0	60,059	0	0	179.81 MTBMA	Operational	06/83	05/85
312	Field Data and Operating Time	AF	253	253	19,969	0	0	78.92 MTBF Functional	Operational	07/83	06/85
312	Field Data and Operating Time	AF	506	0	19,969	0	0	39.46 MTBMA	Operational	07/83	06/85
312	Field Data and Operating Time	AF	556	818	154,753	0	0	278.33 MTBF Functional	Operational	07/83	06/85
312	Field Data and Operating Time	AF	1,474	0	154,753	0	0	104.98 MTBMA	Operational	07/83	06/85
312	Field Data and Operating Time	AF	296	587	94,292	0	0	318.55 MTBF Functional	Operational	07/83	06/85
312	Field Data and Operating Time	AF	883	0	94,292	0	0	106.78 MTBMA	Operational	07/83	06/85
312	Field Data and Operating Time	AF	667	1,379	162,383	0	0	243.45 MTBF Functional	Operational	07/83	06/85
312	Field Data and Operating Time	AF	2,046	0	162,383	0	0	79.36 MTBMA	Operational	07/83	06/85
312	Field Data and Operating Time	AF	922	1,620	235,870	0	0	255.82 MTBF Functional	Operational	07/83	06/85
312	Field Data and Operating Time	AF	2,542	0	235,870	0	0	92.78 MTBMA	Operational	07/83	06/85
312	Field Data and Operating Time	AT	108	107	55,483	0	0	513.73 MTBF Functional	Operational	06/83	05/85
312	Field Data and Operating Time	AT	215	0	55,483	0	0	258.06 MTBMA	Operational	06/83	05/85
326	Contract Spec/Requirement	AUF	0	0	0	0	0	150.00 MTBF Series	Development		
326	Analysis & Prediction Report	AUF	0	0	0	0	0	790.00 MTBF Series	Development		
326	Demonstration Test Report	AUF	0	0	0	0	0	272.00 MTBF Series	Development		
326	Field Data and Operating Time	AUF	4,470	5,797	303,981	0	0	68.00 MTBF Functional	Operational	05/83	04/85
326	Field Data and Operating Time	AUF	10,267	0	303,981	0	0	29.60 MTBMA	Operational	05/83	04/85
326	Field Data and Operating Time	AUF	948	1,127	53,220	0	0	56.13 MTBF Functional	Operational	05/83	04/85
326	Field Data and Operating Time	AUF	2,075	0	53,220	0	0	25.64 MTBMA	Operational	05/83	04/85
327	Contract Spec/Requirement	AIC	0	0	0	0	0	750.00 MTBF Series	Development		
327	Analysis & Prediction Report	AIC	0	0	0	0	0	1,941.00 MTBF Series	Development		
327	Field Data and Operating Time	AIC	0	0	1,114	0	0	1,607.50 MTBF Functional	Operational	10/76	03/77
327	Field Data and Operating Time	AIC	25	0	29,328	0	0	1,173.12 MTBF Functional	Operational	04/77	09/77
327	Field Data and Operating Time	AIC	42	0	46,403	0	0	1,104.83 MTBF Functional	Operational	10/77	03/78
327	Field Data and Operating Time	AIC	96	0	106,914	0	0	1,113.68 MTBF Functional	Operational	04/78	09/78
327	Field Data and Operating Time	AIC	186	0	277,362	0	0	1,491.19 MTBF Functional	Operational	04/79	09/79
327	Field Data and Operating Time	AIC	128	0	141,140	0	0	1,102.65 MTBF Functional	Operational	10/78	03/79
337	Analysis & Prediction Report	AUA	0	0	0	0	0	2,707.00 MTBF Series	Development		

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation,

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337	Field Data and Operating Time	AUA	1,100	257	152,192	0	0	138.35 MTBF Functional	Operational	06/83	05/85
337	Field Data and Operating Time	AUA	1,357	0	152,192	0	0	112.15 MTBMA	Operational	06/83	05/85
337	Field Data and Operating Time	AUA	119	36	17,122	0	0	143.88 MTBF Functional	Operational	06/83	05/85
337	Field Data and Operating Time	AUA	155	0	17,122	0	0	110.46 MTBMA	Operational	06/83	05/85
340	Contract Spec/Requirement	AUA	0	0	0	0	0	1,500.00 MTBF Series	Development		
340	Analysis & Prediction Report	AUA	0	0	0	0	0	2,208.00 MTBF Series	Development		
340	Simulated Operation	AUA	0	3,200	0	0	0	4,618.00 MTBF Series	Development		
340	Field Data and Operating Time	AUA	868	922	450,653	0	0	519.18 MTBF Functional	Operational	06/83	05/85
340	Field Data and Operating Time	AUA	1,790	0	450,653	0	0	251.76 MTBMA	Operational	06/83	05/85
378	Contract Spec/Requirement	AUF	0	0	0	0	0	125.00 MTBF Series	Development		
378	Demonstration Test Report	AUF	0	0	0	0	0	142.00 MTBF Series	Development		
378	Field Data and Operating Time	AUF	11,406	0	235,873	0	0	20.67 MTBMA	Operational	07/83	06/85
378	Field Data and Operating Time	AUF	1,415	9,991	235,870	0	0	166.69 MTBF Functional	Operational	07/83	06/85
378	Field Data and Operating Time	AUF	2,435	0	162,383	0	0	66.68 MTBMA	Operational	07/83	06/85
378	Field Data and Operating Time	AUF	573	1,862	162,383	0	0	283.39 MTBF Functional	Operational	07/83	06/85
386	Allocation/Apportion	AUB	0	0	0	0	0	1,878.00 MTBF Series	Development		
386	Analysis & Prediction Report	AUB	0	0	0	0	0	3,297.00 MTBF Series	Development		
386	Field Data and Operating Time	AUB	199	390	136,060	0	0	683.71 MTBF Functional	Operational	06/83	05/85
386	Field Data and Operating Time	AUB	589	0	136,060	0	0	231.00 MTBMA	Operational	06/83	05/85
386	Field Data and Operating Time	AUB	98	224	71,056	0	0	725.06 MTBF Functional	Operational	06/83	05/85
386	Field Data and Operating Time	AUB	322	0	71,056	0	0	220.67 MTBMA	Operational	06/83	05/85
390	Contract Spec/Requirement	ARW	0	0	0	0	0	1,000.00 MTBF Series	Development		
390	Demonstration Test Report	ARW	3	0	1,840	0	0	613.33 MTBF Series	Development		
390	Field Data and Operating Time	ARW	43	43	7,208	0	0	167.62 MTBF Functional	Operational	06/83	05/85
390	Field Data and Operating Time	ARW	86	0	7,208	0	0	83.81 MTBMA	Operational	06/83	05/85
392	Analysis & Prediction Report	AUF	0	0	0	0	0	500.00 MTBF Series	Development		
392	Field Data and Operating Time	AUF	606	298	24,207	0	0	39.94 MTBF Functional	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	904	0	24,207	0	0	26.77 MTBMA	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	733	200	38,558	0	0	52.60 MTBF Functional	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	1,433	0	38,558	0	0	26.90 MTBMA	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	670	457	39,991	0	0	59.68 MTBF Functional	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	1,127	0	39,991	0	0	35.48 MTBMA	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	794	440	43,935	0	0	55.33 MTBF Functional	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	1,234	0	43,935	0	0	35.60 MTBMA	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	273	337	13,740	0	0	50.32 MTBF Functional	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
392	Field Data and Operating Time	AUF	610	0	13,740	0	0	22.52 MTBMA	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	818	790	39,513	0	0	48.30 MTBF Functional	Operational	06/83	05/85
392	Field Data and Operating Time	AUF	1,618	0	39,513	0	0	24.42 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Amplifier, Audio

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
241	Analysis & Prediction Report	AUF	0	0	0	0	0	3,004.00 MTBF Series	Development		
241	Analysis & Prediction Report	AUF	0	0	0	0	0	6,157.00 MTBF Series	Development		
241	Demonstration Test Report	AUF	0	0	216	89	0	311.68 MTBF Series	Development	02/75	03/75
241	Demonstration Test Report	AUF	0	0	247	102	0	356.42 MTBF Series	Development	03/75	04/75
241	Demonstration Test Report	AUF	0	0	2,563	1,055	0	3,698.41 MTBF Series	Development	04/75	06/75

Guidance/Navigation, Amplifier, RF

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
118	Analysis & Prediction Report	AU	0	0	0	0	0	1,409.00 MTBF Series	Development		
118	Demonstration Test Report	AUF	2	12	4,244	3,733	0	2,122.00 MTBF Series	Development	04/73	07/75
118	Simulated Operation	AUF	5	0	5,167	0	0	1,033.40 MTBF Series	Development	07/72	11/74
118	Simulated Operation	AUF	5	0	2,638	0	0	527.60 MTBF Series	Development	04/74	06/75
118	Field Data and Operating Time	AUF	435	473	178,344	0	0	409.98 MTBF Functional	Operational	05/83	04/85
118	Field Data and Operating Time	AUF	908	0	178,344	0	0	196.41 MTBMA	Operational	05/83	04/85
118	Field Data and Operating Time	AUF	362	318	173,620	0	0	479.61 MTBF Functional	Operational	05/83	04/85
118	Field Data and Operating Time	AUF	680	0	173,620	0	0	255.32 MTBMA	Operational	05/83	04/85

Guidance/Navigation, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
213	Analysis & Prediction Report	NUU	0	0	0	0	0	16,692.00 MTBF Series	Development		
213	Demonstration Test Report	NUU	0	0	8,002	167	0	11,546.89 MTBF Series	Development	07/74	12/74
213	Production Sample Verification	NUU	0	0	1,448	0	37	2,089.46 MTBF Series	Production	01/74	03/75
213	Production Sample Verification	NUU	0	0	1,328	0	37	1,916.30 MTBF Series	Production	02/74	02/75

Guidance/Navigation, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
213	Production Sample Verification	NUU	0	0	3,982	0	37	5,746.03 MTBF Series	Production	02/74	02/75
213	Production Sample Verification	NUU	1	0	5,211	0	37	5,211.00 MTBF Series	Production	02/74	03/75
213	Field Data and Operating Time	NUU	21	4	89,094	0	28	4,242.57 MTBF Functional	Operational	05/74	04/76
232	Analysis & Prediction Report	GT	0	0	0	0	0	38,871.00 MTBF Series	Development		
232	Analysis & Prediction Report	GT	0	0	0	0	0	33,204.00 MTBF Series	Development		
232	Demonstration Test Report	GT	0	1	215	0	0	310.24 MTBF Series	Development	06/77	06/77
232	Demonstration Test Report	GT	1	0	944	0	0	944.00 MTBF Series	Development	06/77	07/77
232	Demonstration Test Report	GT	1	0	793	0	0	793.00 MTBF Series	Development	07/77	08/77
232	Demonstration Test Report	GT	1	0	244	0	0	244.00 MTBF Series	Development	09/77	09/77
232	Demonstration Test Report	GT	0	1	1,290	0	0	1,861.47 MTBF Series	Development	12/77	01/78
232	Simulated Operation	GT	0	0	100	0	0	144.30 MTBF Series	Development		
232	Field Data and Operating Time	GT	1	4	177,120	0	63	177,120.00 MTBF Functional	Operational	08/83	07/85
232	Field Data and Operating Time	GT	5	0	177,120	0	63	35,424.00 MTBMA	Operational	08/83	07/85
232	Field Data and Operating Time	GT	15	0	177,120	0	63	11,808.00 MTBM	Operational	08/83	07/85
388	Allocation/Apportion	AUB	0	0	0	0	0	50,000.00 MTBF Series	Development		
388	Analysis & Prediction Report	AUB	0	0	0	0	0	50,000.00 MTBF Series	Development		
388	Field Data and Operating Time	AUB	33	39	136,060	0	0	4,123.03 MTBF Functional	Operational	06/83	05/85
388	Field Data and Operating Time	AUB	72	0	136,060	0	0	1,889.72 MTBMA	Operational	06/83	05/85
388	Field Data and Operating Time	AUB	12	19	71,056	0	0	5,921.33 MTBF Functional	Operational	06/83	05/85
388	Field Data and Operating Time	AUB	31	0	71,056	0	0	2,292.12 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Computer (CPU)

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
125	Analysis & Prediction Report	AU	0	0	0	0	0	2,294.00 MTBF Series	Development	05/73	10/74
125	Analysis & Prediction Report	AU	0	0	0	0	0	3,513.00 MTBF Series	Development	11/74	06/75
125	Analysis & Prediction Report	AU	0	0	0	0	0	3,949.00 MTBF Series	Development	06/75	08/76
125	Demonstration Test Report	AUF	0	7	2,123	1,274	0	3,063.49 MTBF Series	Development	05/73	10/74
125	Production Sample Verification	AUF	1	3	2,364	1,419	0	2,364.00 MTBF Series	Development	10/75	05/76
125	Simulated Operation	AUF	0	0	3,983	0	0	5,747.47 MTBF Functional	Development	07/72	11/74
125	Simulated Operation	AUF	3	0	2,655	0	0	885.00 MTBF Functional	Development	04/74	06/75
125	Field Data and Operating Time	AUF	132	351	178,344	0	0	1,351.09 MTBF Functional	Operational	05/83	04/85
125	Field Data and Operating Time	AUF	483	0	178,344	0	0	369.24 MTBMA	Operational	05/83	04/85
125	Field Data and Operating Time	AUF	105	211	173,620	0	0	1,653.52 MTBF Functional	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Computer (CPU)

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
125	Field Data and Operating Time	AUF	316	0	173,620	0	0	549.43 MTBMA	Operational	05/83	04/85
126	Analysis & Prediction Report	AU	0	0	0	0	0	2,288.00 MTBF Series	Development	05/73	10/74
126	Analysis & Prediction Report	AU	0	0	0	0	0	3,513.00 MTBF Series	Development	11/74	06/75
126	Analysis & Prediction Report	AU	0	0	0	0	0	3,774.00 MTBF Series	Development	10/75	05/76
126	Demonstration Test Report	AUF	2	6	2,123	1,274	0	1,061.50 MTBF Series	Development	05/73	10/74
126	Production Sample Verification	AUF	0	4	2,364	1,419	0	3,411.25 MTBF Series	Development	10/75	05/76
126	Simulated Operation	AUF	2	0	3,983	0	0	1,991.50 MTBF Functional	Development	07/72	11/74
126	Simulated Operation	AUF	0	0	2,712	0	0	3,913.41 MTBF Functional	Development	04/74	06/75
126	Field Data and Operating Time	AUF	171	287	178,344	0	0	1,042.94 MTBF Functional	Operational	05/83	04/85
126	Field Data and Operating Time	AUF	458	0	178,344	0	0	389.39 MTBMA	Operational	05/83	04/85
126	Field Data and Operating Time	AUF	125	236	173,620	0	0	1,388.96 MTBF Functional	Operational	05/83	04/85
126	Field Data and Operating Time	AUF	361	0	173,620	0	0	480.94 MTBMA	Operational	05/83	04/85
234	Analysis & Prediction Report	AU	0	0	0	0	0	680.00 MTBF Series	Development		
234	Analysis & Prediction Report	AU	0	0	0	0	0	690.00 MTBF Series	Development		
234	Analysis & Prediction Report	AU	0	0	0	0	0	1,362.00 MTBF Series	Development		
234	Analysis & Prediction Report	AU	0	0	0	0	0	1,248.00 MTBF Series	Development		
234	Analysis & Prediction Report	AU	0	0	0	0	0	625.00 MTBF Series	Development		
234	Demonstration Test Report	AUF	1	0	216	89	0	216.00 MTBF Series	Development	02/75	03/75
234	Demonstration Test Report	AUF	0	0	247	102	0	356.42 MTBF Series	Development	03/75	04/75
234	Demonstration Test Report	AUF	7	10	2,563	1,055	0	366.14 MTBF Series	Development	04/75	06/75
330	Analysis & Prediction Report	AIC	0	0	0	0	0	3,683.00 MTBF Series	Development		
330	Field Data and Operating Time	AIC	0	0	1,114	0	0	1,607.50 MTBF Functional	Operational	10/76	03/77
330	Field Data and Operating Time	AIC	20	0	29,328	0	0	1,466.40 MTBF Functional	Operational	04/77	09/77
330	Field Data and Operating Time	AIC	25	0	46,403	0	0	1,856.12 MTBF Functional	Operational	10/77	03/78
330	Field Data and Operating Time	AIC	39	0	106,914	0	0	2,741.38 MTBF Functional	Operational	04/78	09/78
330	Field Data and Operating Time	AIC	35	0	141,140	0	0	4,032.57 MTBF Functional	Operational	10/78	03/79
330	Field Data and Operating Time	AIC	61	0	277,362	0	0	4,546.91 MTBF Functional	Operational	04/79	09/79
343	Analysis & Prediction Report	AUA	0	0	0	0	0	4,535.00 MTBF Series	Development		
343	Field Data and Operating Time	AUA	263	148	450,653	0	0	1,713.50 MTBF Functional	Operational	06/83	05/85
343	Field Data and Operating Time	AUA	411	0	450,653	0	0	1,096.47 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Converter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
235	Analysis & Prediction Report	AU	0	0	0	0	0	1,210.00 MTBF Series	Development		
235	Analysis & Prediction Report	AU	0	0	0	0	0	1,319.00 MTBF Series	Development		
235	Analysis & Prediction Report	AU	0	0	0	0	0	2,410.00 MTBF Series	Development		
235	Analysis & Prediction Report	AU	0	0	0	0	0	2,266.00 MTBF Series	Development		
235	Analysis & Prediction Report	AU	0	0	0	0	0	1,136.00 MTBF Series	Development		
235	Demonstration Test Report	AUF	1	0	216	89	0	216.00 MTBF Series	Development	02/75	03/75
235	Demonstration Test Report	AUF	2	2	247	102	0	123.50 MTBF Series	Development	03/75	04/75
235	Demonstration Test Report	AUF	2	2	2,563	1,055	0	1,281.50 MTBF Series	Development	04/75	06/75
236	Analysis & Prediction Report	AU	0	0	0	0	0	2,108.00 MTBF Series	Development		
236	Analysis & Prediction Report	AU	0	0	0	0	0	1,096.00 MTBF Series	Development		

Guidance/Navigation, Filter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
245	Analysis & Prediction Report	GT	0	0	0	0	0	870,716.00 MTBF Series	Development	09/75	
245	Demonstration Test Report	GT	0	0	215	0	0	310.24 MTBF Series	Development	06/77	06/77
245	Demonstration Test Report	GT	0	0	944	0	0	1,362.19 MTBF Series	Development	06/77	07/77
245	Demonstration Test Report	GT	0	0	793	0	0	1,144.30 MTBF Series	Development	07/77	08/77
245	Demonstration Test Report	GT	0	0	244	0	0	352.09 MTBF Series	Development	09/77	09/77
245	Demonstration Test Report	GT	0	0	1,290	0	0	1,861.47 MTBF Series	Development	12/77	01/78
245	Field Data and Operating Time	GT	0	0	177,120	0	63	255,584.41 MTBF Functional	Operational	08/83	07/85
245	Field Data and Operating Time	GT	0	0	177,120	0	63	255,584.41 MTBMA	Operational	08/83	07/85
245	Field Data and Operating Time	GT	0	0	177,120	0	63	255,584.41 MTBM	Operational	08/83	07/85

Guidance/Navigation, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
40	Contract Spec/Requirement	AIF	0	0	0	0	0	17,060.00 MTBF Series	Development		
40	Analysis & Prediction Report	AI	0	0	0	0	0	14,900.00 MTBF Series	Development		
40	Demonstration Test Report	AIF	0	0	7,355	4,903	0	10,613.27 MTBF Series	Development	03/74	03/75
40	Demonstration Test Report	AIF	0	1	975	650	0	1,406.92 MTBF Series	Development	08/73	11/73
40	Demonstration Test Report	AIF	1	1	969	646	0	969.00 MTBF Series	Development	03/73	06/73
40	Production Sample Verification	AIF	1	1	3,544	2,364	0	3,544.00 MTBF Series	Production	06/75	09/75

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
40	Production Sample Verification	AIF	0	0	2,864	1,908	0	4,132.75 MTBF Series	Production	01/76	04/76
40	Production Sample Verification	AIF	0	0	2,843	1,895	0	4,102.45 MTBF Series	Production	01/77	04/77
40	Simulated Operation	AIF	1	0	9,472	0	0	9,472.00 MTBF Series	Development	07/72	11/74
40	Field Data and Operating Time	AIF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
40	Field Data and Operating Time	AIF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
40	Field Data and Operating Time	AIF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
40	Field Data and Operating Time	AIF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
40	Field Data and Operating Time	AIF	144	75	204,853	0	0	1,422.59 MTBF Functional	Operational	05/83	04/85
40	Field Data and Operating Time	AIF	219	0	204,853	0	0	935.40 MTBMA	Operational	05/83	04/85
40	Field Data and Operating Time	AIF	189	63	198,726	0	0	1,051.46 MTBF Functional	Operational	05/83	04/85
40	Field Data and Operating Time	AIF	252	0	198,726	0	0	788.59 MTBMA	Operational	05/83	04/85
120	Analysis & Prediction Report	AI	0	0	0	0	0	28,167.00 MTBF Series	Development		
120	Demonstration Test Report	AIF	0	1	4,244	3,733	0	6,124.09 MTBF Series	Development	04/73	07/75
120	Simulated Operation	AIF	0	0	5,167	0	0	7,455.98 MTBF Series	Development	07/72	11/74
120	Field Data and Operating Time	AIF	71	43	178,344	0	0	2,511.88 MTBF Functional	Operational	05/83	04/85
120	Field Data and Operating Time	AIF	114	0	178,344	0	0	1,564.42 MTBMA	Operational	05/83	04/85
120	Field Data and Operating Time	AIF	59	33	173,620	0	0	2,942.71 MTBF Functional	Operational	05/83	04/85
120	Field Data and Operating Time	AIF	92	0	173,620	0	0	1,887.17 MTBMA	Operational	05/83	04/85
123	Simulated Operation	AIF	4	1	8,504	0	0	2,126.00 MTBF Series	Development	07/72	11/74
127	Analysis & Prediction Report	AI	0	0	0	0	0	44,839.00 MTBF Series	Development	05/73	
127	Analysis & Prediction Report	AI	0	0	0	0	0	30,867.00 MTBF Series	Production	10/75	
127	Demonstration Test Report	AIF	0	1	2,123	1,274	0	3,063.49 MTBF Series	Development	05/73	10/74
127	Production Sample Verification	AIF	0	2	2,364	1,419	0	3,411.25 MTBF Series	Production	10/75	05/76
127	Simulated Operation	AIF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
127	Field Data and Operating Time	AIF	49	69	178,344	0	0	3,639.67 MTBF Functional	Operational	05/83	04/85
127	Field Data and Operating Time	AIF	118	0	178,344	0	0	1,511.38 MTBMA	Operational	05/83	04/85
127	Field Data and Operating Time	AIF	29	47	173,620	0	0	5,986.89 MTBF Functional	Operational	05/83	04/85
127	Field Data and Operating Time	AIF	76	0	173,620	0	0	2,284.47 MTBMA	Operational	05/83	04/85
130	Analysis & Prediction Report	AI	0	0	0	0	0	79,707.00 MTBF Series	Development	05/73	
130	Demonstration Test Report	AIF	0	2	2,123	1,274	0	3,063.49 MTBF Series	Development	05/73	10/74
130	Production Sample Verification	AIF	1	1	2,364	1,419	0	2,364.00 MTBF Series	Production	10/75	05/76
130	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
130	Field Data and Operating Time	AIF	37	42	178,344	0	0	4,820.10 MTBF Functional	Operational	05/83	04/85
130	Field Data and Operating Time	AIF	79	0	178,344	0	0	2,257.51 MTBMA	Operational	05/83	04/85
130	Field Data and Operating Time	AIF	45	57	173,620	0	0	3,858.22 MTBF Functional	Operational	05/83	04/85

Guidance/Navigation, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
130	Field Data and Operating Time	AIF	102	0	173,620	0	0	1,702.15 MTBMA	Operational	05/83	04/85
214	Analysis & Prediction Report	NSB	0	0	0	0	0	2,881.00 MTBF Series	Development		
214	Demonstration Test Report	NSB	3	51	8,002	167	0	2,667.33 MTBF Series	Development	07/74	12/74
214	Production Sample Verification	NSB	43	15	1,448	0	37	33.67 MTBF Series	Production	01/74	03/75
214	Production Sample Verification	NSB	8	4	1,328	0	37	166.00 MTBF Series	Production	02/74	02/75
214	Production Sample Verification	NSB	4	2	3,982	0	37	995.50 MTBF Series	Production	02/74	02/75
214	Production Sample Verification	NSB	23	15	5,211	0	37	226.56 MTBF Series	Production	02/74	03/75
214	Field Data and Operating Time	NSB	31	23	89,094	0	28	2,874.00 MTBF Functional	Operational	05/74	04/76
237	Analysis & Prediction Report	AI	0	0	0	0	0	4,986.00 MTBF Series	Development		
237	Analysis & Prediction Report	AI	0	0	0	0	0	5,258.00 MTBF Series	Development		
237	Demonstration Test Report	AIF	0	0	216	89	0	311.68 MTBF Series	Development	02/75	03/75
237	Demonstration Test Report	AIF	0	0	247	102	0	356.42 MTBF Series	Development	03/75	04/75
237	Demonstration Test Report	AIF	0	0	2,563	1,055	0	3,698.41 MTBF Series	Development	04/75	06/75
238	Analysis & Prediction Report	AIF	0	0	0	0	0	26,542.00 MTBF Series	Development		
238	Analysis & Prediction Report	AIF	0	0	0	0	0	27,215.00 MTBF Series	Development		
238	Demonstration Test Report	AIF	0	0	216	89	0	311.68 MTBF Series	Development	02/75	03/75
238	Demonstration Test Report	AIF	0	0	247	102	0	356.42 MTBF Series	Development	03/75	04/75
238	Demonstration Test Report	AIF	0	0	2,563	1,055	0	3,698.41 MTBF Series	Development	04/75	06/75
239	Analysis & Prediction Report	AIF	0	0	0	0	0	4,422.00 MTBF Series	Development		
239	Analysis & Prediction Report	AIF	0	0	0	0	0	4,637.00 MTBF Series	Development		
239	Demonstration Test Report	AIF	0	0	216	89	0	311.68 MTBF Series	Development	02/75	03/75
239	Demonstration Test Report	AIF	1	0	247	102	0	247.00 MTBF Series	Development	03/75	04/75
239	Demonstration Test Report	AIF	0	2	2,563	1,055	0	3,698.41 MTBF Series	Development	04/75	06/75
240	Analysis & Prediction Report	AIF	0	0	0	0	0	16,546.00 MTBF Series	Development		
240	Analysis & Prediction Report	AIF	0	0	0	0	0	17,202.00 MTBF Series	Development		
240	Demonstration Test Report	AIF	0	0	216	89	0	311.68 MTBF Series	Development	02/75	03/75
240	Demonstration Test Report	AIF	0	0	247	102	0	356.42 MTBF Series	Development	03/75	04/75
240	Demonstration Test Report	AIF	0	0	2,563	1,055	0	3,698.41 MTBF Series	Development	04/75	06/75
270	Field Data and Operating Time	AIC	191	39	96,394	0	0	504.68 MTBF Functional	Operational	06/83	05/85
270	Field Data and Operating Time	AIC	230	0	96,394	0	0	419.10 MTBMA	Operational	06/83	05/85
270	Field Data and Operating Time	AIC	206	13	97,060	0	0	471.16 MTBF Functional	Operational	06/83	05/85
270	Field Data and Operating Time	AIC	219	0	97,060	0	0	443.19 MTBMA	Operational	06/83	05/85
270	Field Data and Operating Time	AIC	1,034	201	511,313	0	0	494.50 MTBF Functional	Operational	06/83	05/85
270	Field Data and Operating Time	AIC	1,235	0	511,313	0	0	414.01 MTBMA	Operational	06/83	05/85
270	Field Data and Operating Time	AIC	167	16	49,085	0	0	293.92 MTBF Functional	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
270	Field Data and Operating Time	AIC	183	0	49,085	0	0	268.22 MTBMA	Operational	06/83	05/85
314	Demonstration Test Report	AIF	0	0	4,970	0	11	7,171.71 MTBF Series	Development	10/76	11/76
314	Field Data and Operating Time	AIA	24	11	60,059	0	0	2,502.45 MTBF Functional	Operational	06/83	05/85
314	Field Data and Operating Time	AIA	35	0	60,059	0	0	1,715.97 MTBMA	Operational	06/83	05/85
314	Field Data and Operating Time	AIF	83	22	49,969	0	0	602.03 MTBF Functional	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	105	0	49,969	0	0	475.89 MTBMA	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	181	42	154,753	0	0	854.98 MTBF Functional	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	223	0	154,753	0	0	693.95 MTBMA	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	56	16	94,292	0	0	1,683.78 MTBF Functional	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	72	0	94,292	0	0	1,309.61 MTBMA	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	192	45	162,383	0	0	845.74 MTBF Functional	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	239	0	162,383	0	0	679.42 MTBMA	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	343	77	235,870	0	0	687.66 MTBF Functional	Operational	07/83	06/85
314	Field Data and Operating Time	AIF	420	0	235,870	0	0	561.59 MTBMA	Operational	07/83	06/85
314	Field Data and Operating Time	AIT	13	1	55,483	0	0	4,267.92 MTBF Functional	Operational	06/83	05/85
314	Field Data and Operating Time	AUT	14	0	55,483	0	0	3,963.07 MTBMA	Operational	06/83	05/85
329	Analysis & Prediction Report	AIC	0	0	0	0	0	24,722.00 MTBF Series	Development		
329	Field Data and Operating Time	AIC	0	0	1,114	0	0	1,607.50 MTBF Functional	Operational	10/76	03/77
329	Field Data and Operating Time	AIC	0	0	29,328	0	0	42,320.34 MTBF Functional	Operational	04/77	09/77
329	Field Data and Operating Time	AIC	0	0	46,403	0	0	66,959.59 MTBF Functional	Operational	10/77	03/78
329	Field Data and Operating Time	AIC	0	0	106,914	0	0	154,277.05 MTBF Functional	Operational	04/78	09/78
329	Field Data and Operating Time	AIC	3	0	141,140	0	0	47,046.66 MTBF Functional	Operational	10/78	03/79
329	Field Data and Operating Time	AIC	3	0	277,362	0	0	92,454.00 MTBF Functional	Operational	04/79	09/79
339	Contract Spec/Requirement	AIA	0	0	0	0	0	6,000.00 MTBF Series	Development		
339	Analysis & Prediction Report	AUA	0	0	0	0	0	22,676.00 MTBF Series	Development		
339	Field Data and Operating Time	AIA	40	6	17,122	0	0	428.05 MTBF Functional	Operational	06/83	05/85
339	Field Data and Operating Time	AIA	46	0	17,122	0	0	372.21 MTBMA	Operational	06/83	05/85
339	Field Data and Operating Time	AIF	114	9	152,192	0	0	1,335.01 MTBF Functional	Operational	06/83	05/85
339	Field Data and Operating Time	AIF	123	0	152,192	0	0	1,237.33 MTBMA	Operational	06/83	05/85
345	Analysis & Prediction Report	AIA	0	0	0	0	0	25,740.00 MTBF Series	Development		
345	Field Data and Operating Time	AIA	66	53	450,653	0	0	6,828.07 MTBF Functional	Operational	06/83	05/85
345	Field Data and Operating Time	AIA	119	0	450,653	0	0	3,787.00 MTBMA	Operational	06/83	05/85
389	Allocation/Apportion	AIB	0	0	0	0	0	3,897.00 MTBF Series	Development		
389	Analysis & Prediction Report	AIB	0	0	0	0	0	19,873.00 MTBF Series	Development		
389	Field Data and Operating Time	AIB	52	35	136,060	0	0	2,616.53 MTBF Functional	Operational	06/83	05/85

Guidance/Navigation, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
389	Field Data and Operating Time	AIB	35	0	136,060	0	0	3,887.42 MTBMA	Operational	06/83	05/85
389	Field Data and Operating Time	AIB	33	52	71,056	0	0	2,153.21 MTBF Functional	Operational	06/83	05/85
389	Field Data and Operating Time	AIB	85	0	71,056	0	0	835.95 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Inertial Reference

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
34	Contract Spec/Requirement	AUF	0	0	0	0	0	1,500.00 MTBF Series	Production		
34	Contract Spec/Requirement	AUF	0	0	0	0	0	1,000.00 MTBF Series	Production		
34	Contract Spec/Requirement	AUF	0	0	0	0	0	800.00 MTBF Functional	Development		
34	Analysis & Prediction Report	AU	0	0	0	0	0	1,493.00 MTBF Series	Production		
34	Demonstration Test Report	AUF	3	20	3,619	2,714	0	1,206.33 MTBF Functional	Development	06/74	09/75
34	Production Sample Verification	AUF	2	5	3,645	2,025	0	1,822.50 MTBF Functional	Production	12/76	05/77
34	Simulated Operation	AUF	2	0	2,397	0	0	1,198.50 MTBF Series	Development	07/72	11/74
34	Simulated Operation	AUF	10	0	1,793	0	0	179.30 MTBF Series	Development	04/74	06/75
34	Field Data and Operating Time	AUF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
34	Field Data and Operating Time	AUF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
34	Field Data and Operating Time	AUF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
34	Field Data and Operating Time	AUF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
34	Field Data and Operating Time	AUF	307	574	178,344	0	0	580.92 MTBF Functional	Operational	05/83	04/85
34	Field Data and Operating Time	AUF	881	0	178,344	0	0	202.43 MTBMA	Operational	05/83	04/85
34	Field Data and Operating Time	AUF	267	363	173,620	0	0	650.26 MTBF Functional	Operational	05/83	04/85
34	Field Data and Operating Time	AUF	630	0	173,620	0	0	275.58 MTBMA	Operational	05/83	04/85
119	Analysis & Prediction Report	AU	0	0	0	0	0	8,182.00 MTBF Series	Development		
119	Demonstration Test Report	AUF	2	18	4,244	3,733	0	2,122.00 MTBF Series	Development	04/73	07/75
119	Simulated Operation	AUF	0	1	5,167	0	0	7,455.98 MTBF Series	Development	07/72	11/74
119	Simulated Operation	AUF	6	0	2,639	0	0	439.83 MTBF Series	Development	04/74	06/75
119	Field Data and Operating Time	AUF	440	559	178,344	0	0	405.32 MTBF Functional	Operational	05/83	04/85
119	Field Data and Operating Time	AUF	999	0	178,344	0	0	178.52 MTBMA	Operational	05/83	04/85
119	Field Data and Operating Time	AUF	362	256	173,620	0	0	479.61 MTBF Functional	Operational	05/83	04/85
119	Field Data and Operating Time	AUF	618	0	173,620	0	0	280.93 MTBMA	Operational	05/83	04/85
122	Simulated Operation	AUF	25	0	2,476	0	0	99.04 MTBF Series	Development	07/72	11/74
122	Simulated Operation	AUF	26	0	1,927	0	0	74.11 MTBF Series	Development	04/74	06/75
129	Analysis & Prediction Report	AU	0	0	0	0	0	2,933.00 MTBF Series	Development	05/73	

Guidance/Navigation, Inertial Reference

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
129	Demonstration Test Report	AUF	1	6	2,123	1,274	0	2,123.00 MTBF Series	Development	05/73	10/74
129	Production Sample Verification	AUF	1	2	2,364	1,419	0	2,364.00 MTBF Series	Production	10/75	05/76
129	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
129	Field Data and Operating Time	AUF	82	76	178,344	0	0	2,174.92 MTBF Functional	Operational	05/83	04/85
129	Field Data and Operating Time	AUF	158	0	178,344	0	0	1,128.75 MTBMA	Operational	05/83	04/85
129	Field Data and Operating Time	AUF	118	58	173,620	0	0	1,471.35 MTBF Functional	Operational	05/83	04/85
129	Field Data and Operating Time	AUF	176	0	173,620	0	0	986.47 MTBMA	Operational	05/83	04/85
328	Analysis & Prediction Report	AIC	0	0	0	0	0	4,924.00 MTBF Series	Development		
328	Field Data and Operating Time	AIC	0	0	1,114	0	0	1,607.50 MTBF Functional	Operational	10/76	03/77
328	Field Data and Operating Time	AIC	5	0	29,328	0	0	5,865.60 MTBF Functional	Operational	04/77	09/77
328	Field Data and Operating Time	AIC	17	0	46,403	0	0	2,729.58 MTBF Functional	Operational	10/77	03/78
328	Field Data and Operating Time	AIC	57	0	106,914	0	0	1,875.68 MTBF Functional	Operational	04/78	09/78
328	Field Data and Operating Time	AIC	90	0	141,140	0	0	1,568.22 MTBF Functional	Operational	10/78	03/79
328	Field Data and Operating Time	AIC	121	0	277,362	0	0	2,292.24 MTBF Functional	Operational	04/79	09/79
344	Analysis & Prediction Report	AUA	0	0	0	0	0	5,169.00 MTBF Series	Development		
344	Field Data and Operating Time	AUA	456	223	450,653	0	0	988.27 MTBF Functional	Operational	06/83	05/85
344	Field Data and Operating Time	AUA	689	0	450,653	0	0	654.06 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
27	Analysis & Prediction Report	AU	0	0	0	0	0	5,969.00 MTBF Series	Development		
27	Demonstration Test Report	AU	2	1	7,127	4,287	10	3,563.50 MTBF Series	Development	01/76	03/76
27	Simulated Operation	AU	0	0	3,024	0	19	4,363.63 MTBF Series	Development	01/76	04/76
27	Field Data and Operating Time	AIC	202	0	1,022,625	0	0	5,062.50 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AIC	318	0	1,022,625	0	0	3,215.80 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AIC	37	12	97,060	0	0	2,623.24 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AIC	49	0	97,060	0	0	1,980.81 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	ARW	8	1	18,981	0	0	2,372.62 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	ARW	9	0	18,981	0	0	2,109.00 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	ARW	4	1	24,700	0	0	6,175.00 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	ARW	5	0	24,700	0	0	4,940.00 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	ARW	14	4	47,614	0	0	3,401.00 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	ARW	18	0	47,614	0	0	2,645.22 MTBMA	Operational	07/83	06/85

Guidance/Navigation, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
27	Field Data and Operating Time	ARW	22	6	51,206	0	0	2,327.54 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	ARW	28	0	51,206	0	0	1,828.78 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUA	2	7	18,222	0	66	9,111.00 MTBF Functional	Operational	04/77	10/77
27	Field Data and Operating Time	AUA	6	3	62,174	0	264	10,362.33 MTBF Functional	Operational	10/77	04/78
27	Field Data and Operating Time	AUA	64	42	152,192	0	0	2,378.00 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	6	5	17,122	0	0	2,853.66 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	106	0	152,192	0	0	1,435.77 MTBM	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	11	0	17,122	0	0	1,556.54 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	106	46	450,653	0	0	4,251.44 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	152	0	450,653	0	0	2,964.82 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	39	17	49,331	0	0	1,264.89 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	56	0	49,331	0	0	880.91 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	15	14	60,059	0	0	4,003.93 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUA	29	0	60,059	0	0	2,071.00 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUB	1	1	34,083	0	61	34,083.00 MTBF Functional	Operational	04/77	10/77
27	Field Data and Operating Time	AUB	12	3	95,807	0	266	7,983.91 MTBF Functional	Operational	10/77	04/78
27	Field Data and Operating Time	AUB	88	50	136,060	0	0	1,546.13 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUB	138	0	136,060	0	0	985.94 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUB	58	24	71,056	0	0	1,225.10 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUB	82	0	71,056	0	0	866.53 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	8	4	102,249	0	183	12,781.12 MTBF Functional	Operational	04/77	10/77
27	Field Data and Operating Time	AUC	35	7	136,868	0	380	3,910.51 MTBF Functional	Operational	10/77	04/78
27	Field Data and Operating Time	AUC	40	11	98,190	0	0	2,454.75 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	51	0	98,190	0	0	1,925.29 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	31	12	96,394	0	0	3,109.48 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	111	73	684,686	0	0	6,168.34 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	184	0	684,686	0	0	3,721.11 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	45	11	62,103	0	0	1,380.06 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	56	0	62,103	0	0	1,108.98 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	52	14	128,203	0	0	2,465.44 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	66	0	128,203	0	0	1,942.46 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	59	17	101,203	0	0	1,715.30 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	76	0	101,203	0	0	1,331.61 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	4	1	55,107	0	0	13,776.75 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	5	0	55,107	0	0	11,021.40 MTBMA	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
27	Field Data and Operating Time	AUC	0	0	1,459	0	0	2,105.33 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUC	0	0	1,459	0	0	2,105.33 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUC	3	2	21,009	0	0	7,003.00 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	5	0	21,009	0	0	4,201.80 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	267	107	359,519	0	0	1,346.51 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	374	0	359,519	0	0	961.28 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	8	2	68,798	0	0	8,599.75 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	10	0	68,798	0	0	6,879.80 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	82	24	61,082	0	0	744.90 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	106	0	61,082	0	0	576.24 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	5	3	18,305	0	0	3,661.00 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	8	0	18,305	0	0	2,288.12 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	0	0	0	0	0	3,595.00 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	0	0	0	0	0	3,595.00 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	3	4	14,128	0	0	4,709.33 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUC	7	0	14,128	0	0	2,018.28 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUC	306	126	561,700	0	0	1,835.62 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUC	432	0	561,700	0	0	1,300.23 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUC	3	2	59,209	0	0	19,736.33 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUC	5	0	59,209	0	0	11,841.80 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	17	1	59,912	0	217	3,524.23 MTBF Functional	Operational	04/77	10/77
27	Field Data and Operating Time	AUF	7	6	61,939	0	263	8,848.42 MTBF Functional	Operational	10/77	04/78
27	Field Data and Operating Time	AUF	10	15	178,344	0	0	17,834.40 MTBF Functional	Operational	05/83	04/85
27	Field Data and Operating Time	AUF	25	0	178,344	0	0	7,133.76 MTBMA	Operational	05/83	04/85
27	Field Data and Operating Time	AUF	47	34	173,620	0	0	3,694.04 MTBF Functional	Operational	05/83	04/85
27	Field Data and Operating Time	AUF	81	0	173,620	0	0	2,143.45 MTBMA	Operational	05/83	04/85
27	Field Data and Operating Time	AUF	74	57	324,229	0	0	4,381.47 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	131	0	324,229	0	0	2,475.03 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	9	592	57,556	0	0	6,395.11 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	601	0	57,556	0	0	95.76 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	89	0	94,292	0	0	1,059.46 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	41	48	94,292	0	0	2,299.80 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	93	71	154,753	0	0	1,664.01 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	164	0	154,753	0	0	943.61 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	249	0	162,383	0	0	652.14 MTBMA	Operational	07/83	06/85

Guidance/Navigation, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
27	Field Data and Operating Time	AUF	116	133	162,383	0	0	1,399.85 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	195	86	23,570	0	0	120.87 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	281	0	23,570	0	0	83.87 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	29	8	49,969	0	0	1,723.06 MTBF Functional	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	37	0	49,969	0	0	1,350.51 MTBMA	Operational	07/83	06/85
27	Field Data and Operating Time	AUF	17	12	24,207	0	0	1,423.94 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	29	0	24,207	0	0	834.72 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	6	1	13,740	0	0	2,290.00 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	7	0	13,740	0	0	1,962.85 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	3	35	39,513	0	0	13,171.00 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	38	0	39,513	0	0	1,039.81 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	24	10	38,558	0	0	1,606.58 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	34	0	38,558	0	0	1,134.05 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	18	5	39,991	0	0	2,221.72 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	23	0	39,991	0	0	1,738.73 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	14	19	43,935	0	0	3,138.21 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	33	0	43,935	0	0	1,331.36 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	0	0	3,620	0	0	5,223.66 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	0	0	3,620	0	0	5,223.66 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	22	5	3,620	0	0	164.54 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUF	27	0	3,620	0	0	134.07 MTBMA	Operational	06/83	05/85
27	Field Data and Operating Time	AUT	22	3	155,933	0	565	7,087.86 MTBF Functional	Operational	04/77	10/77
27	Field Data and Operating Time	AUT	12	2	162,972	0	692	13,581.00 MTBF Functional	Operational	10/77	04/78
27	Field Data and Operating Time	AUT	18	3	55,483	0	0	3,082.38 MTBF Functional	Operational	06/83	05/85
27	Field Data and Operating Time	AUT	21	0	55,483	0	0	2,642.04 MTBMA	Operational	06/83	05/85
243	Analysis & Prediction Report	AUF	0	0	0	0	0	20,010.00 MTBF Series	Development		
243	Analysis & Prediction Report	AUF	0	0	0	0	0	23,486.00 MTBF Series	Development		
243	Demonstration Test Report	AUF	0	0	216	89	0	311.68 MTBF Series	Development	02/75	03/75
243	Demonstration Test Report	AUF	0	0	247	102	0	356.42 MTBF Series	Development	03/75	04/75
243	Demonstration Test Report	AUF	0	0	2,563	1,055	0	3,698.41 MTBF Series	Development	04/75	06/75
279	Field Data and Operating Time	AUC	52	22	96,394	0	0	1,853.73 MTBF Functional	Operational	06/83	05/85
279	Field Data and Operating Time	AUC	74	0	96,394	0	0	1,302.62 MTBMA	Operational	06/83	05/85
279	Field Data and Operating Time	AUC	51	26	97,060	0	0	1,903.13 MTBF Functional	Operational	06/83	05/85
279	Field Data and Operating Time	AUC	77	0	97,060	0	0	1,260.51 MTBMA	Operational	06/83	05/85
279	Field Data and Operating Time	AUC	217	172	511,313	0	0	2,356.28 MTBF Functional	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
279	Field Data and Operating Time	AUC	389	0	511,313	0	0	1,314.42 MTBMA	Operational	06/83	05/85
279	Field Data and Operating Time	AUC	16	16	49,085	0	0	3,067.81 MTBF Functional	Operational	06/83	05/85
279	Field Data and Operating Time	AUC	32	0	49,085	0	0	1,533.90 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Memory

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
135	Demonstration Test Report	AIF	0	2	1,428	3,164	0	2,060.60 MTBF Series	Development	08/75	03/76
135	Simulated Operation	AIF	12	0	2,255	0	0	187.91 MTBF Series	Development	07/72	11/74
135	Field Data and Operating Time	AUF	742	1,659	178,344	0	0	240.35 MTBF Functional	Operational	05/83	04/85
135	Field Data and Operating Time	AUF	2,401	0	178,344	0	0	74.27 MTBMA	Operational	05/83	04/85
135	Field Data and Operating Time	AUF	274	380	173,620	0	0	633.64 MTBF Functional	Operational	05/83	04/85
135	Field Data and Operating Time	AUF	654	0	173,620	0	0	265.47 MTBMA	Operational	05/83	04/85

Guidance/Navigation, Power Supply

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
258	Analysis & Prediction Report	AU	0	0	0	0	0	7,129.00 MTBF Series	Development		
258	Analysis & Prediction Report	AU	0	0	0	0	0	15,334.00 MTBF Series	Development		
258	Demonstration Test Report	AUF	0	0	216	89	0	311.68 MTBF Series	Development	02/75	03/75
258	Demonstration Test Report	AUF	0	0	247	102	0	356.42 MTBF Series	Development	03/75	04/75
258	Demonstration Test Report	AUF	0	0	2,563	1,055	0	3,698.41 MTBF Series	Development	04/75	06/75

Guidance/Navigation, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
215	Analysis & Prediction Report	NSB	0	0	0	0	0	521.00 MTBF Series	Development		
215	Demonstration Test Report	NSB	11	5	8,002	167	0	727.45 MTBF Series	Development	07/74	12/74
215	Production Sample Verification	NSB	120	77	1,448	0	37	12.06 MTBF Series	Production	01/74	03/75
215	Production Sample Verification	NSB	37	13	1,328	0	37	35.89 MTBF Series	Production	02/74	02/75
215	Production Sample Verification	NSB	21	16	3,982	0	37	189.61 MTBF Series	Production	02/74	02/75
215	Production Sample Verification	NSB	111	65	5,211	0	37	46.94 MTBF Series	Production	02/74	03/75

Guidance/Navigation, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
215	Field Data and Operating Time	NSB	158	60	89,094	0	28	563.88 MTBF Functional	Operational	05/74	04/76
242	Analysis & Prediction Report	AUF	0	0	0	0	0	1,345.00 MTBF Series	Development		
242	Analysis & Prediction Report	AUF	0	0	0	0	0	1,517.00 MTBF Series	Development		
242	Analysis & Prediction Report	AUF	0	0	0	0	0	1,620.00 MTBF Series	Development		
242	Demonstration Test Report	AUF	2	0	216	89	0	108.00 MTBF Series	Development	02/75	03/75
242	Demonstration Test Report	AUF	1	0	247	102	0	247.00 MTBF Series	Development	03/75	04/75
242	Demonstration Test Report	AUF	2	0	2,563	1,055	0	1,281.50 MTBF Series	Development	04/75	06/75
313	Demonstration Test Report	AUF	4	0	4,970	0	11	1,242.50 MTBF Series	Development	10/76	11/76
313	Field Data and Operating Time	AT	111	0	55,483	0	0	499.84 MTBMA	Operational	06/83	05/85
313	Field Data and Operating Time	AUA	148	46	60,059	0	0	405.80 MTBF Functional	Operational	06/83	05/85
313	Field Data and Operating Time	AUA	194	0	60,059	0	0	309.58 MTBMA	Operational	06/83	05/85
313	Field Data and Operating Time	AUA	149	70	49,331	0	0	331.08 MTBF Functional	Operational	06/83	05/85
313	Field Data and Operating Time	AUA	219	0	49,331	0	0	225.25 MTBMA	Operational	06/83	05/85
313	Field Data and Operating Time	AUF	139	85	49,969	0	0	359.48 MTBF Functional	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	224	0	49,969	0	0	223.07 MTBMA	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	350	95	154,753	0	0	442.15 MTBF Functional	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	445	0	154,753	0	0	347.75 MTBMA	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	203	442	94,292	0	0	464.49 MTBF Functional	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	645	0	94,292	0	0	146.18 MTBMA	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	363	604	162,383	0	0	447.33 MTBF Functional	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	967	0	162,383	0	0	167.92 MTBMA	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	476	363	235,870	0	0	495.52 MTBF Functional	Operational	07/83	06/85
313	Field Data and Operating Time	AUF	839	0	235,870	0	0	281.13 MTBMA	Operational	07/83	06/85
313	Field Data and Operating Time	AUT	89	22	55,483	0	0	623.40 MTBF Functional	Operational	06/83	05/85
315	Contract Spec/Requirement	AUF	0	0	0	0	0	1,000.00 MTBF Series	Development		
315	Analysis & Prediction Report	AU	0	0	0	0	0	2,922.00 MTBF Series	Development		
315	Demonstration Test Report	AUF	0	0	0	0	0	1,135.00 MTBF Series	Development		
315	Field Data and Operating Time	AUF	130	99	178,344	0	0	1,371.87 MTBF Functional	Operational	05/83	04/85
315	Field Data and Operating Time	AUF	229	0	178,344	0	0	778.79 MTBMA	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
278	Field Data and Operating Time	AUC	95	24	96,394	0	0	1,014.67 MTBF Functional	Operational	06/83	05/85
278	Field Data and Operating Time	AUC	119	0	96,394	0	0	810.03 MTBMA	Operational	06/83	05/85
278	Field Data and Operating Time	AUC	61	11	97,060	0	0	1,591.14 MTBF Functional	Operational	06/83	05/85
278	Field Data and Operating Time	AUC	72	0	97,060	0	0	1,348.05 MTBMA	Operational	06/83	05/85
278	Field Data and Operating Time	AUC	370	148	511,313	0	0	1,381.92 MTBF Functional	Operational	06/83	05/85
278	Field Data and Operating Time	AUC	518	0	511,313	0	0	987.09 MTBMA	Operational	06/83	05/85
278	Field Data and Operating Time	AUC	65	12	49,085	0	0	755.15 MTBF Functional	Operational	06/83	05/85
278	Field Data and Operating Time	AUC	77	0	49,085	0	0	637.46 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Stellar Reference

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
394	Demonstration Test Report	AUF	0	0	0	0	0	400.00 MTBF Series	Development		
394	Field Data and Operating Time	AUF	535	543	39,513	0	0	73.85 MTBF Functional	Operational	06/83	05/85
394	Field Data and Operating Time	AUF	1,078	0	39,513	0	0	36.65 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
28	Analysis & Prediction Report	AU	0	0	0	0	0	1,809.00 MTBF Series	Development		
28	Demonstration Test Report	AU	5	9	7,127	4,287	10	1,425.40 MTBF Series	Development	01/76	03/76
28	Simulated Operation	AU	5	0	3,024	0	19	604.80 MTBF Series	Development	01/76	04/76
28	Field Data and Operating Time	AIC	72	21	98,190	0	0	1,363.75 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AIC	475	218	1,022,625	0	0	2,152.89 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AIC	93	0	98,190	0	0	1,055.80 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AIC	710	0	1,022,625	0	0	1,440.31 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AIC	61	23	97,060	0	0	1,591.14 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AIC	84	0	97,060	0	0	1,155.47 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	2	10	18,222	0	66	9,111.00 MTBF Functional	Operational	04/77	10/77
28	Field Data and Operating Time	AUA	23	15	62,174	0	264	2,703.21 MTBF Functional	Operational	10/77	04/78
28	Field Data and Operating Time	AUA	159	74	152,192	0	0	957.18 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	20	10	17,122	0	0	856.10 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	233	0	152,192	0	0	653.18 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
28	Field Data and Operating Time	AUA	30	0	17,122	0	0	570.73 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	328	216	450,653	0	0	1,373.94 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	544	0	450,653	0	0	828.40 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	75	36	49,331	0	0	657.74 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	111	0	49,331	0	0	444.42 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	64	65	60,059	0	0	938.42 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUA	466	0	60,059	0	0	128.88 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUB	14	1	34,083	0	61	2,434.50 MTBF Functional	Operational	04/77	10/77
28	Field Data and Operating Time	AUB	22	10	95,807	0	266	4,354.86 MTBF Functional	Operational	10/77	04/78
28	Field Data and Operating Time	AUB	152	92	136,060	0	0	895.13 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUB	244	0	136,060	0	0	557.62 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUB	86	54	71,056	0	0	826.23 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUB	140	0	71,056	0	0	507.54 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUB	21	8	18,981	0	0	903.85 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUB	29	0	18,981	0	0	654.51 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUB	11	5	24,700	0	0	2,245.45 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUB	16	0	24,700	0	0	1,543.75 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUB	41	12	47,614	0	0	1,161.31 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUB	53	0	47,614	0	0	898.37 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUB	47	28	51,206	0	0	1,089.48 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUB	75	0	51,206	0	0	682.74 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUC	18	9	102,249	0	183	5,680.50 MTBF Functional	Operational	04/77	10/77
28	Field Data and Operating Time	AUC	44	12	136,868	0	380	3,110.63 MTBF Functional	Operational	10/77	04/78
28	Field Data and Operating Time	AUC	85	15	96,394	0	0	1,134.04 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	100	0	96,394	0	0	963.94 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	460	386	684,686	0	0	1,488.44 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	846	0	684,686	0	0	809.32 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	146	83	62,103	0	0	425.36 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	229	0	62,103	0	0	271.19 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	83	32	128,203	0	0	1,544.61 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	115	0	128,203	0	0	1,114.80 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	121	51	101,203	0	0	836.38 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	172	0	101,203	0	0	588.38 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	24	7	55,107	0	0	2,296.12 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	31	0	55,107	0	0	1,777.64 MTBMA	Operational	06/83	05/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
28	Field Data and Operating Time	AUC	1	0	1,459	0	0	1,459.00 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUC	1	0	1,459	0	0	1,459.00 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUC	8	3	21,009	0	0	2,626.12 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	11	0	21,009	0	0	1,909.90 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	531	250	359,519	0	0	677.06 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	781	0	359,519	0	0	460.33 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	53	21	68,798	0	0	1,298.07 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	74	0	68,798	0	0	929.70 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	119	41	61,082	0	0	513.29 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	160	0	61,082	0	0	381.76 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	13	9	18,305	0	0	1,408.07 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	22	0	18,305	0	0	832.04 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	1	0	5,187	0	0	5,187.00 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	1	0	5,187	0	0	5,187.00 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	4	5	14,128	0	0	3,532.00 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUC	9	0	14,128	0	0	1,569.77 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUC	476	206	561,700	0	0	1,180.04 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUC	682	0	561,700	0	0	823.60 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUC	9	10	59,209	0	0	6,578.77 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUC	19	0	59,209	0	0	3,116.26 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	26	7	59,912	0	217	2,304.30 MTBF Functional	Operational	04/77	10/77
28	Field Data and Operating Time	AUF	22	11	61,939	0	263	2,815.40 MTBF Functional	Operational	10/77	04/78
28	Field Data and Operating Time	AUF	72	35	178,344	0	0	2,477.00 MTBF Functional	Operational	05/83	04/85
28	Field Data and Operating Time	AUF	107	0	178,344	0	0	1,666.76 MTBMA	Operational	05/83	04/85
28	Field Data and Operating Time	AUF	203	109	173,620	0	0	855.27 MTBF Functional	Operational	05/83	04/85
28	Field Data and Operating Time	AUF	312	0	173,620	0	0	556.47 MTBMA	Operational	05/83	04/85
28	Field Data and Operating Time	AUF	240	175	324,229	0	0	1,350.95 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	415	0	324,229	0	0	781.27 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	43	396	57,556	0	0	1,338.51 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	439	0	57,556	0	0	131.10 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	171	0	94,292	0	0	551.41 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	119	0	94,292	0	0	792.36 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	282	136	154,753	0	0	548.76 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	418	0	154,753	0	0	370.22 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	320	222	162,382	0	0	507.44 MTBF Functional	Operational	07/83	06/85

Guidance/Navigation, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
28	Field Data and Operating Time	AUF	542	0	152,382	0	0	299.59 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	782	265	235,870	0	0	301.62 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	1,047	0	235,870	0	0	225.28 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	118	35	49,969	0	0	423.46 MTBF Functional	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	153	0	49,969	0	0	326.59 MTBMA	Operational	07/83	06/85
28	Field Data and Operating Time	AUF	30	25	24,207	0	0	806.90 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	55	0	24,207	0	0	440.12 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	16	10	13,740	0	0	858.75 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	26	0	13,740	0	0	528.46 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	18	42	39,513	0	0	2,195.16 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	60	0	39,513	0	0	658.55 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	78	55	38,558	0	0	494.33 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	133	0	38,558	0	0	289.90 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	38	22	39,991	0	0	1,052.39 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	60	0	39,991	0	0	666.51 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	41	51	43,935	0	0	1,071.58 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	92	0	43,935	0	0	477.55 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	3	5	3,620	0	0	1,206.66 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	8	0	3,620	0	0	452.50 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	59	27	50,729	0	0	859.81 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUF	86	0	50,729	0	0	589.87 MTBMA	Operational	06/83	05/85
28	Field Data and Operating Time	AUT	63	10	155,993	0	565	2,476.07 MTBF Functional	Operational	04/77	10/77
28	Field Data and Operating Time	AUT	54	10	162,972	0	692	3,018.00 MTBF Functional	Operational	10/77	04/78
28	Field Data and Operating Time	AUT	38	20	55,483	0	0	1,460.07 MTBF Functional	Operational	06/83	05/85
28	Field Data and Operating Time	AUT	58	0	55,483	0	0	956.60 MTBMA	Operational	06/83	05/85
46	Analysis & Prediction Report	AU	0	0	0	0	0	1,036.00 MTBF Series	Development		
46	Production Sample Verification	AUF	9	13	1,776	1,776	0	197.33 MTBF Series	Development	10/74	06/75
46	Production Sample Verification	AUF	3	3	2,144	2,144	0	714.66 MTBF Series	Development	02/76	03/76
46	Production Sample Verification	AUF	7	9	3,544	3,544	0	506.28 MTBF Series	Development	07/76	08/76
46	Production Sample Verification	AUF	1	1	1,521	1,521	0	1,521.00 MTBF Series	Development	11/76	12/76
46	Simulated Operation	AUF	8	0	1,615	0	0	201.87 MTBF Series	Development	07/72	11/74
46	Simulated Operation	AUF	3	0	1,518	0	0	506.00 MTBF Series	Development	04/74	06/75
46	Field Data and Operating Time	AUF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
46	Field Data and Operating Time	AUF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
46	Field Data and Operating Time	AUF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Guidance/Navigation, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
46	Field Data and Operating Time	AUF	0	0	37,453	0	296	54,044.73 MTBM	Operational	07/78	12/78
46	Field Data and Operating Time	AUF	538	596	178,344	0	0	331.49 MTBF Functional	Operational	05/83	04/85
46	Field Data and Operating Time	AUF	1,134	0	178,344	0	0	157.26 MTBMA	Operational	05/83	04/85
233	Analysis & Prediction Report	GT	0	0	0	0	0	1,819.00 MTBF Series	Development		
233	Analysis & Prediction Report	GT	0	0	0	0	0	1,880.00 MTBF Series	Development		
233	Demonstration Test Report	GT	0	0	215	0	0	310.24 MTBF Series	Development	06/77	06/77
233	Demonstration Test Report	GT	2	0	944	0	0	472.00 MTBF Series	Development	06/77	07/77
233	Demonstration Test Report	GT	2	0	793	0	0	396.50 MTBF Series	Development	07/77	08/77
233	Demonstration Test Report	GT	2	0	244	0	0	122.00 MTBF Series	Development	09/77	09/77
233	Demonstration Test Report	GT	0	0	1,290	0	0	1,861.47 MTBF Series	Development	12/77	01/78
233	Simulated Operation	GT	2	0	100	0	0	50.00 MTBF Series	Development		
233	Field Data and Operating Time	GT	4	4	177,120	0	63	44,280.00 MTBF Functional	Operational	08/83	07/85
233	Field Data and Operating Time	GT	8	0	177,120	0	63	22,140.00 MTBMA	Operational	08/83	07/85
233	Field Data and Operating Time	GT	10	0	177,120	0	63	17,712.00 MTBM	Operational	08/83	07/85
338	Contract Spec/Requirement	AUA	0	0	0	0	0	2,500.00 MTBF Series	Development		
338	Analysis & Prediction Report	AUA	0	0	0	0	0	3,074.00 MTBF Series	Development		
338	Field Data and Operating Time	AUA	966	99	152,192	0	0	157.54 MTBF Functional	Operational	06/83	05/85
338	Field Data and Operating Time	AUA	1,065	0	152,192	0	0	142.90 MTBMA	Operational	06/83	05/85
338	Field Data and Operating Time	AUA	71	8	17,122	0	0	241.15 MTBF Functional	Operational	06/83	05/85
338	Field Data and Operating Time	AUA	79	0	17,122	0	0	216.73 MTBMA	Operational	06/83	05/85
387	Allocation/Apportion	AUB	0	0	0	0	0	3,900.00 MTBF Series	Development		
387	Analysis & Prediction Report	AUB	0	0	0	0	0	4,291.00 MTBF Series	Development		
387	Field Data and Operating Time	AUB	110	197	136,060	0	0	1,236.90 MTBF Functional	Operational	06/83	05/85
387	Field Data and Operating Time	AUB	307	0	136,060	0	0	443.19 MTBMA	Operational	06/83	05/85
387	Field Data and Operating Time	AUB	49	111	71,056	0	0	1,450.12 MTBF Functional	Operational	06/83	05/85
387	Field Data and Operating Time	AUB	160	0	71,056	0	0	444.10 MTBMA	Operational	06/83	05/85

Guidance/Navigation, Transducer

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
128	Analysis & Prediction Report	AU	0	0	0	0	0	31,368.00 MTBF Series	Development	05/73	
128	Demonstration Test Report	AUF	0	6	2,123	1,274	0	3,063.49 MTBF Series	Development	05/73	10/74
128	Production Sample Verification	AUF	0	0	2,364	1,419	0	3,411.25 MTBF Series	Production	10/75	05/76
128	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74

Guidance/Navigation, Transducer

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
128	Field Data and Operating Time	AUF	21	22	178,344	0	0	8,492.57 MTBF Functional	Operational	05/83	04/85
128	Field Data and Operating Time	AUF	43	0	178,344	0	0	4,147.53 MTBMA	Operational	05/83	04/85
128	Field Data and Operating Time	AUF	25	9	173,620	0	0	6,944.80 MTBF Functional	Operational	05/83	04/85
128	Field Data and Operating Time	AUF	34	0	173,620	0	0	5,106.47 MTBMA	Operational	05/83	04/85
131	Analysis & Prediction Report	AU	0	0	0	0	0	12,979.00 MTBF Series	Development	05/73	
131	Demonstration Test Report	AUF	0	4	2,123	1,274	0	3,063.49 MTBF Series	Development	05/73	10/74
131	Production Sample Verification	AUF	1	2	2,364	1,419	0	2,364.00 MTBF Series	Production	10/75	05/76
131	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
131	Field Data and Operating Time	AUF	35	0	178,344	0	0	5,095.54 MTBMA	Operational	05/83	04/85
131	Field Data and Operating Time	AUF	11	24	178,344	0	0	16,213.09 MTBF Functional	Operational	05/83	04/85
131	Field Data and Operating Time	AUF	12	14	173,620	0	0	14,468.33 MTBF Functional	Operational	05/83	04/85
131	Field Data and Operating Time	AUF	26	0	173,620	0	0	6,677.69 MTBMA	Operational	05/83	04/85

Guidance/Navigation, Transmitter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
347	Contract Spec/Requirement	AUF	0	0	0	0	0	700.00 MTBF Series	Development		
347	Analysis & Prediction Report	AU	0	0	0	0	0	1,128.00 MTBF Series	Development		
347	Field Data and Operating Time	AUF	14	0	2,887	0	0	206.21 MTBF Functional	Operational	01/82	06/82

Radar,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
5	Analysis & Prediction Report	GF	0	0	0	0	0	155.00 MTBF Functional	Development	01/74	
5	Analysis & Prediction Report	GF	0	0	0	0	0	187.00 MTBF Functional	Development	02/76	08/76
5	Demonstration Test Report	GF	1	0	319	0	0	319.00 MTBF Functional	Operational	12/76	12/76
5	Field Data and Operating Time	GF	85	9	17,520	0	0	206.11 MTBF Functional	Operational	08/83	07/85
5	Field Data and Operating Time	GF	94	0	17,520	0	0	186.38 MTBMA	Operational	08/83	07/85
5	Field Data and Operating Time	GF	283	0	17,520	0	0	61.90 MTBM	Operational	08/83	07/85
84	Contract Spec/Requirement	AUF	0	0	0	0	0	60.00 MTBF Series	Production		
84	Allocation/Apportion	AUF	0	0	0	0	0	60.00 MTBF Series	Development		
84	Analysis & Prediction Report	AU	0	0	0	0	0	64.00 MTBF Series	Development		
84	Production Sample Verification	AUF	3	24	257	0	0	85.66 MTBF Series	Production	10/76	01/77

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
84	Simulated Operation	AUF	78	11	2,121	0	0	27.19 MTBF Series	Development	07/72	11/74
84	Simulated Operation	AUF	36	0	1,863	0	0	51.75 MTBF Series	Development	04/74	06/75
84	Field Data and Operating Time	AUF	688	0	18,044	0	161	26.22 MTBM	Operational	01/77	06/77
84	Field Data and Operating Time	AUF	652	0	10,784	0	203	16.53 MTBM	Operational	07/77	09/77
84	Field Data and Operating Time	AUF	425	0	13,686	0	202	32.20 MTBM	Operational	10/77	12/77
84	Field Data and Operating Time	AUF	56	0	30,705	0	269	548.30 MTBM	Operational	01/78	06/78
84	Field Data and Operating Time	AUF	109	0	37,453	0	296	343.60 MTBM	Operational	07/78	12/78
84	Field Data and Operating Time	AUF	9,521	23,658	178,344	0	0	18.73 MTBF Functional	Operational	05/83	04/85
84	Field Data and Operating Time	AUF	28,179	0	178,344	0	0	6.32 MTBMA	Operational	05/83	04/85
84	Field Data and Operating Time	AUF	7,797	15,177	173,620	0	0	22.26 MTBF Functional	Operational	05/83	04/85
84	Field Data and Operating Time	AUF	22,974	0	173,620	0	0	7.55 MTBMA	Operational	05/83	04/85
100	Contract Spec/Requirement	AUF	0	0	0	0	0	30.00 MTBF Series	Development	11/73	09/74
100	Analysis & Prediction Report	AU	0	0	0	0	0	65.00 MTBF Series	Development	11/73	09/74
100	Demonstration Test Report	AUF	4	45	150	115	0	37.50 MTBF Series	Development	11/73	09/74
200	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	05/74	05/74
200	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	06/74	06/74
200	Production Sample Verification	AIC	5	2	296	148	0	59.20 MTBF Series	Production	07/74	07/74
200	Production Sample Verification	AIC	7	0	144	72	0	20.57 MTBF Series	Production	08/74	08/74
200	Production Sample Verification	AIC	4	0	144	72	0	36.00 MTBF Series	Production	09/74	09/74
200	Production Sample Verification	AIC	5	0	144	72	0	28.80 MTBF Series	Production	10/74	10/74
200	Production Sample Verification	AIC	4	0	144	72	0	36.00 MTBF Series	Production	11/74	11/74
200	Production Sample Verification	AIC	5	0	216	108	0	43.20 MTBF Series	Production	12/74	12/74
200	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	01/75	01/75
247	Allocation/Apportion	GF	0	0	0	0	0	377.00 MTBF Functional	Development		
247	Analysis & Prediction Report	GF	0	0	0	0	0	16.70 MTBF Series	Development		
247	Analysis & Prediction Report	GF	0	0	0	0	0	18,125.00 MTBF Functional	Development		
247	Demonstration Test Report	AU	1	2	916	549	2	916.00 MTBF Series	Production	08/78	01/79
247	Production Sample Verification	AU	0	5	956	573	2	1,379.50 MTBF Series	Production	04/79	10/79
247	Field Data and Operating Time	GF	72	43	35,040	0	2	486.66 MTBF Functional	Operational	08/83	07/85
247	Field Data and Operating Time	GF	115	0	35,040	0	2	304.69 MTBMA	Operational	08/83	07/85
254	Contract Spec/Requirement	GF	0	0	0	0	0	11,906.00 MTBF Functional	Development		
254	Analysis & Prediction Report	GF	0	0	0	0	0	50.30 MTBF Series	Development		
254	Analysis & Prediction Report	GF	0	0	0	0	0	35,244.00 MTBF Functional	Development		
254	Field Data and Operating Time	GF	977	986	35,040	0	2	35.86 MTBF Functional	Operational	08/83	07/85
254	Field Data and Operating Time	GF	1,963	0	35,040	0	2	17.85 MTBMA	Operational	08/83	07/85

Radar,

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267	Contract Spec/Requirement	AUF	0	0	0	0	0	106.00 MTBF Series	Development		
267	Analysis & Prediction Report	AU	0	0	0	0	0	164.00 MTBF Series	Development		
267	Simulated Operation	AUF	0	0	100	0	1	144.30 MTBF Series	Production	11/80	11/80
267	Field Data and Operating Time	AUF	178	0	4,275	0	0	24.01 MTBF Functional	Operational	09/82	02/83
267	Field Data and Operating Time	AUF	82	0	4,853	0	0	59.18 MTBF Functional	Operational	07/82	12/82
267	Field Data and Operating Time	AUF	60	0	2,887	0	0	48.11 MTBF Functional	Operational	01/82	06/82
267	Field Data and Operating Time	AUF	26	0	1,106	0	0	42.53 MTBF Functional	Operational	02/81	12/81
316	Contract Spec/Requirement	AUF	0	0	0	0	0	100.00 MTBF Series	Production		
316	Contract Spec/Requirement	AUF	0	0	0	0	0	60.00 MTBF Series	Development	03/78	06/78
316	Analysis & Prediction Report	AUF	0	0	0	0	0	150.00 MTBF Series	Development		
316	Demonstration Test Report	AUF	13	0	721	0	0	55.46 MTBF Series	Development	04/78	06/78
316	Production Sample Verification	AUF	2	9	12	49	2	6.00 MTBF Series	Production	07/81	07/81
316	Production Sample Verification	AUF	5	18	75	161	4	15.00 MTBF Series	Production	11/80	01/81
316	Production Sample Verification	AUF	5	25	335	85	8	67.00 MTBF Series	Production	11/81	10/82
316	Production Sample Verification	AUF	2	0	271	129	5	135.50 MTBF Series	Production		
316	Production Sample Verification	AUF	6	0	229	135	5	38.16 MTBF Series	Production		
316	Production Sample Verification	AUF	4	0	80	112	5	20.00 MTBF Series	Production		
316	Field Data and Operating Time	AUF	4,597	9,994	303,981	0	0	66.12 MTBF Functional	Operational	05/83	04/85
316	Field Data and Operating Time	AUF	14,587	0	303,981	0	0	20.83 MTBMA	Operational	05/83	04/85
316	Field Data and Operating Time	AUF	883	1,892	53,220	0	0	60.27 MTBF Functional	Operational	05/83	04/85
316	Field Data and Operating Time	AUF	2,775	0	53,220	0	0	19.17 MTBMA	Operational	05/83	04/85
358	Contract Spec/Requirement	GF	0	0	0	0	0	300.00 MTBF Series	Development		
358	Analysis & Prediction Report	GF	0	0	0	0	0	357.00 MTBF Series	Development		
358	Field Data and Operating Time	GF	4,433	2,989	349,440	0	0	78.82 MTBF Functional	Operational	05/83	06/85
358	Field Data and Operating Time	GF	7,422	0	349,440	0	0	47.08 MTBMA	Operational	05/83	06/85
358	Field Data and Operating Time	GF	9,155	0	349,440	0	0	38.16 MTBM	Operational	05/83	06/85
379	Contract Spec/Requirement	AUF	0	0	0	0	0	9.00 MTBF Series	Development		
379	Analysis & Prediction Report	AUF	0	0	0	0	0	20.00 MTBF Series	Development		
379	Demonstration Test Report	AUF	0	0	0	0	0	4.30 MTBF Series	Development		
379	Field Data and Operating Time	AUF	26,078	46,980	235,870	0	0	9.04 MTBF Functional	Operational	07/83	06/85
379	Field Data and Operating Time	AUF	73,058	0	235,870	0	0	3.22 MTBMA	Operational	07/83	06/85
379	Field Data and Operating Time	AUF	5,348	15,767	49,970	0	0	9.34 MTBF Functional	Operational	07/83	06/85
379	Field Data and Operating Time	AUF	16,022	0	49,970	0	0	3.11 MTBMA	Operational	07/83	06/85
391	Contract Spec/Requirement	AUF	0	0	0	0	0	137.00 MTBF Series	Development		
391	Analysis & Prediction Report	AUF	0	0	0	0	0	178.00 MTBF Series	Development		

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
391	Demonstration Test Report	AUF	0	0	0	0	0	152.00 MTBF Series	Development		
391	Field Data and Operating Time	AUF	2	3	39,513	0	0	19,756.50 MTBF Functional	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	5	0	39,513	0	0	7,902.60 MTBMA	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	468	0	13,740	0	0	29.35 MTBF Functional	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	1,165	0	13,740	0	0	11.79 MTBMA	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	1,668	1,112	39,991	0	0	23.97 MTBF Functional	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	2,880	0	39,991	0	0	13.88 MTBMA	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	8	10	38,558	0	0	4,819.75 MTBF Functional	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	18	0	38,558	0	0	2,142.11 MTBMA	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	1,455	838	24,207	0	0	16.63 MTBF Functional	Operational	06/83	05/85
391	Field Data and Operating Time	AUF	2,293	0	24,207	0	0	10.55 MTBMA	Operational	06/83	05/85
393	Contract Spec/Requirement	AUF	0	0	0	0	0	137.00 MTBF Series	Development		
393	Analysis & Prediction Report	AUF	0	0	0	0	0	185.00 MTBF Series	Development		
393	Demonstration Test Report	AUF	0	0	0	0	0	212.00 MTBF Series	Development		
393	Field Data and Operating Time	AUF	2,675	3,202	39,513	0	0	14.77 MTBF Functional	Operational	06/83	05/85
393	Field Data and Operating Time	AUF	5,877	0	39,513	0	0	6.72 MTBMA	Operational	06/83	05/85

Radar, Amplifier, Audio

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
201	Production Sample Verification	AIC	4	0	216	108	0	54.00 MTBF Series	Production	03/75	03/75
201	Production Sample Verification	AIC	1	0	72	36	0	72.00 MTBF Series	Production	04/75	04/75
201	Production Sample Verification	AIC	3	0	144	72	0	48.00 MTBF Series	Production	05/75	05/75
201	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	06/75	06/75
201	Production Sample Verification	AIC	2	0	72	36	0	36.00 MTBF Series	Production	07/75	07/75
201	Production Sample Verification	AIC	8	0	268	134	0	33.50 MTBF Series	Production	09/75	09/75
201	Production Sample Verification	AIC	4	0	84	42	0	21.00 MTBF Series	Production	10/75	10/75
201	Production Sample Verification	AIC	2	2	79	40	0	39.50 MTBF Series	Production	11/75	11/75
201	Production Sample Verification	AIC	7	0	83	42	0	11.85 MTBF Series	Production	12/75	12/75
201	Production Sample Verification	AIC	5	1	78	39	0	15.60 MTBF Series	Production	01/76	01/76
201	Production Sample Verification	AIC	4	2	81	40	0	20.25 MTBF Series	Production	03/76	03/76
201	Production Sample Verification	AIC	10	0	91	45	0	9.10 MTBF Series	Production	04/76	04/76

Radar, Amplifier, RF

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
13	Analysis & Prediction Report	GF	0	0	0	0	0	373.00 MTBF Series	Development		
13	Field Data and Operating Time	GF	8	6	17,520	0	0	2,190.00 MTBF Functional	Operational	08/83	07/85
13	Field Data and Operating Time	GF	14	0	17,520	0	0	1,251.42 MTBMA	Operational	08/83	07/85
13	Field Data and Operating Time	GF	21	0	17,520	0	0	834.28 MTBM	Operational	08/83	07/85
14	Analysis & Prediction Report	GF	0	0	0	0	0	420.00 MTBF Series	Development		
14	Field Data and Operating Time	GF	3	0	17,520	0	0	5,840.00 MTBF Functional	Operational	08/83	07/85
14	Field Data and Operating Time	GF	3	0	17,520	0	0	5,840.00 MTBMA	Operational	08/83	07/85
14	Field Data and Operating Time	GF	10	0	17,520	0	0	1,752.00 MTBM	Operational	08/83	07/85
17	Analysis & Prediction Report	GF	0	0	0	0	0	2,943.00 MTBF Series	Development	01/74	
17	Field Data and Operating Time	GF	33	2	210,240	0	0	6,370.90 MTBF Functional	Operational	08/83	07/85
17	Field Data and Operating Time	GF	35	0	210,240	0	0	6,006.85 MTBMA	Operational	08/83	07/85
17	Field Data and Operating Time	GF	35	0	210,240	0	0	6,006.85 MTBM	Operational	08/83	07/85
249	Analysis & Prediction Report	GF	0	0	0	0	0	175,901.00 MTBF Series	Development		
249	Field Data and Operating Time	GF	3	0	350,400	0	20	116,800.00 MTBMA	Operational	08/83	07/85
249	Field Data and Operating Time	GF	3	0	350,400	0	20	116,800.00 MTBF Functional	Operational	08/83	07/85

Radar, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
12	Allocation/Apportion	GF	0	0	0	0	0	7.78 MTBF Series	Development		
12	Allocation/Apportion	GF	0	0	0	0	0	4,561.00 MTBF Functional	Development		
12	Analysis & Prediction Report	GF	0	0	0	0	0	7.86 MTBF Series	Development		
12	Analysis & Prediction Report	GF	0	0	0	0	0	3,971.00 MTBF Functional	Development		
12	Field Data and Operating Time	GF	0	184	349,944	0	0	504,969.69 MTBF Functional	Operational	02/76	08/76
12	Field Data and Operating Time	GF	29	0	17,520	0	0	604.13 MTBMA	Operational	08/83	07/85
91	Allocation/Apportion	AUF	0	0	0	0	0	556.00 MTBF Series	Development		
91	Analysis & Prediction Report	AU	0	0	0	0	0	612.00 MTBF Series	Development		
91	Production Sample Verification	AUF	1	3	257	0	0	257.00 MTBF Series	Production	10/76	01/77
91	Simulated Operation	AUF	12	0	1,957	0	0	163.08 MTBF Series	Development	07/72	11/74
91	Field Data and Operating Time	AUF	1,261	1,205	178,344	0	0	141.43 MTBF Functional	Operational	05/83	04/85
91	Field Data and Operating Time	AUF	2,466	0	178,344	0	0	72.32 MTBMA	Operational	05/83	04/85
91	Field Data and Operating Time	AUF	1,029	903	173,620	0	0	168.72 MTBF Functional	Operational	05/83	04/85
91	Field Data and Operating Time	AUF	1,932	0	173,620	0	0	89.86 MTBMA	Operational	05/83	04/85
101	Analysis & Prediction Report	AU	0	0	0	0	0	612.00 MTBF Series	Development	11/73	09/74

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
101	Demonstration Test Report	AUF	0	2	150	115	0	216.45 MTBF Series	Development	11/73	09/74
202	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	05/74	05/74
202	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	06/74	06/74
202	Production Sample Verification	AUC	0	0	296	148	0	427.12 MTBF Series	Production	07/74	07/74
202	Production Sample Verification	AUC	0	0	432	216	0	623.37 MTBF Series	Production	08/74	08/74
202	Production Sample Verification	AUC	0	0	288	144	0	415.58 MTBF Series	Production	09/74	09/74
202	Production Sample Verification	AUC	1	0	288	144	0	288.00 MTBF Series	Production	10/74	10/74
202	Production Sample Verification	AUC	0	0	432	216	0	623.37 MTBF Series	Production	11/74	11/74
202	Production Sample Verification	AUC	1	0	576	288	0	576.00 MTBF Series	Production	12/74	12/74
202	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	01/75	01/75
203	Production Sample Verification	AUC	1	0	432	216	0	432.00 MTBF Series	Production	03/75	03/75
203	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	04/75	04/75
203	Production Sample Verification	AUC	0	0	288	144	0	415.58 MTBF Series	Production	05/75	05/75
203	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	06/75	06/75
203	Production Sample Verification	AUC	0	0	148	74	0	213.56 MTBF Series	Production	07/75	07/75
203	Production Sample Verification	AUC	0	0	456	228	0	658.00 MTBF Series	Production	09/75	09/75
203	Production Sample Verification	AUC	2	0	163	81	0	81.50 MTBF Series	Production	10/75	10/75
203	Production Sample Verification	AUC	0	0	158	79	0	227.99 MTBF Series	Production	11/75	11/75
203	Production Sample Verification	AUC	0	0	166	83	0	239.53 MTBF Series	Production	12/75	12/75
203	Production Sample Verification	AUC	0	1	156	78	0	225.10 MTBF Series	Production	01/76	01/76
203	Production Sample Verification	AUC	0	0	162	81	0	233.76 MTBF Series	Production	03/76	03/76
203	Production Sample Verification	AUC	1	0	182	91	0	182.00 MTBF Series	Production	04/76	04/76
317	Field Data and Operating Time	AUF	636	421	303,981	0	0	477.95 MTBF Functional	Operational	05/83	04/85
317	Field Data and Operating Time	AUF	1,057	0	303,981	0	0	287.58 MTBMA	Operational	05/83	04/85
317	Field Data and Operating Time	AUF	92	104	53,220	0	0	578.47 MTBF Functional	Operational	05/83	04/85
317	Field Data and Operating Time	AUF	196	0	53,220	0	0	271.53 MTBMA	Operational	05/83	04/85
346	Contract Spec/Requirement	AUF	0	0	0	0	0	700.00 MTBF Series	Development		
346	Analysis & Prediction Report	AU	0	0	0	0	0	1,370.00 MTBF Series	Development		
346	Field Data and Operating Time	AUF	0	0	0	0	0	2,887.00 MTBF Functional	Operational	01/82	06/82
357	Analysis & Prediction Report	GF	0	0	0	0	0	104.00 MTBF Series	Development		
357	Field Data and Operating Time	GF	10	0	17,520	0	0	1,752.00 MTBF Functional	Operational	08/83	07/85
357	Field Data and Operating Time	GF	10	0	17,520	0	0	1,752.00 MTBMA	Operational	08/83	07/85
357	Field Data and Operating Time	GF	55	0	17,520	0	0	318.54 MTBM	Operational	08/83	07/85
359	Analysis & Prediction Report	GF	0	0	0	0	0	49,920.00 MTBF Series	Development		
359	Field Data and Operating Time	GF	302	0	349,440	0	0	1,157.08 MTBMA	Operational	05/83	06/85

Radar, Antenna

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
359	Field Data and Operating Time	GF	184	118	349,440	0	0	1,899.13 MTBF Functional	Operational	05/83	06/85
359	Field Data and Operating Time	GF	400	0	349,440	0	0	873.60 MTBM	Operational	05/83	06/85
360	Analysis & Prediction Report	GF	0	0	0	0	0	47,547.00 MTBF Series	Development		
360	Field Data and Operating Time	GF	263	218	349,440	0	0	1,328.66 MTBF Functional	Operational	05/83	06/85
360	Field Data and Operating Time	GF	481	0	349,440	0	0	726.48 MTBMA	Operational	05/83	06/85
360	Field Data and Operating Time	GF	621	0	349,440	0	0	562.70 MTBM	Operational	05/83	06/85

Radar, Computer (CPU)

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
6	Allocation/Apportion	GF	0	0	0	0	0	400.00 MTBF Series	Development		
6	Allocation/Apportion	GF	0	0	0	0	0	1,250.00 MTBF Functional	Development		
6	Analysis & Prediction Report	GF	0	0	0	0	0	459.00 MTBF Series	Development		
6	Field Data and Operating Time	GF	0	1	3,614	0	0	5,215.00 MTBF Functional	Operational	02/76	08/76
6	Field Data and Operating Time	GF	1	0	17,520	0	0	17,520.00 MTBF Functional	Operational	08/83	07/85
6	Field Data and Operating Time	GF	1	0	17,520	0	0	17,520.00 MTBMA	Operational	08/83	07/85
6	Field Data and Operating Time	GF	1	0	17,520	0	0	17,520.00 MTBM	Operational	08/83	07/85
195	Contract Spec/Requirement	AUF	0	0	0	0	0	416.00 MTBF Series	Development		
195	Production Sample Verification	AUF	0	1	150	75	0	216.45 MTBF Series	Production	07/77	07/77
195	Production Sample Verification	AUF	0	1	150	75	0	216.45 MTBF Series	Production	08/77	08/77
195	Production Sample Verification	AUF	0	4	70	35	0	101.01 MTBF Series	Production	09/77	09/77
195	Production Sample Verification	AUF	0	2	196	98	0	282.82 MTBF Series	Production	10/77	10/77
195	Production Sample Verification	AUF	2	2	348	174	0	174.00 MTBF Series	Production	11/77	11/77
195	Production Sample Verification	AUF	0	1	246	123	0	354.97 MTBF Series	Production	12/77	12/77
195	Production Sample Verification	AUF	1	3	194	97	0	194.00 MTBF Series	Production	01/78	01/78
195	Production Sample Verification	AUF	0	0	96	48	0	138.52 MTBF Series	Production	02/78	02/78
195	Production Sample Verification	AUF	0	3	103	52	0	148.62 MTBF Series	Production	03/78	03/78
195	Production Sample Verification	AUF	1	1	247	124	0	247.00 MTBF Series	Production	04/78	04/78
195	Production Sample Verification	AUF	1	0	350	175	0	350.00 MTBF Series	Production	05/78	05/78
195	Production Sample Verification	AUF	1	4	350	175	0	350.00 MTBF Series	Production	06/78	06/78
195	Production Sample Verification	AUF	1	2	450	225	0	450.00 MTBF Series	Production	07/78	07/78
195	Production Sample Verification	AUF	0	1	250	125	0	360.75 MTBF Series	Production	08/78	08/78
195	Simulated Operation	AUF	6	0	1,070	0	0	178.33 MTBF Series	Development	07/76	08/76
195	Field Data and Operating Time	AUF	535	397	44,969	0	0	84.05 MTBF Functional	Operational	07/83	06/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Computer (CPU)

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
195	Field Data and Operating Time	AUF	932	0	49,969	0	0	53.61 MTBMA	Operational	07/83	06/85
256	Analysis & Prediction Report	GF	0	0	0	0	0	850.00 MTBF Series	Development		
256	Field Data and Operating Time	GF	134	262	35,040	0	2	261.49 MTBF Functional	Operational	08/83	07/85
256	Field Data and Operating Time	GF	396	0	35,040	0	2	88.48 MTBMA	Operational	08/83	07/85
259	Contract Spec/Requirement	GF	0	0	0	0	0	432.00 MTBF Series	Development		
259	Analysis & Prediction Report	GF	0	0	0	0	0	3,411.00 MTBF Series	Development		
259	Field Data and Operating Time	GF	13	9	35,040	0	2	2,695.38 MTBF Functional	Operational	08/83	07/85
259	Field Data and Operating Time	GF	22	0	35,040	0	2	1,592.72 MTBMA	Operational	08/83	07/85
260	Contract Spec/Requirement	GF	0	0	0	0	0	41,754.00 MTBF Functional	Development		
260	Allocation/Apportion	GF	0	0	0	0	0	125.00 MTBF Series	Development		
260	Analysis & Prediction Report	GF	0	0	0	0	0	169.00 MTBF Series	Development		
260	Analysis & Prediction Report	GF	0	0	0	0	0	87,000.00 MTBF Functional	Development		
260	Field Data and Operating Time	GF	678	0	35,040	0	2	51.68 MTBMA	Operational	08/83	07/85
260	Field Data and Operating Time	GF	413	265	35,040	0	2	84.84 MTBF Functional	Operational	08/83	07/85
321	Field Data and Operating Time	AUF	449	623	303,981	0	0	677.01 MTBF Functional	Operational	05/83	04/85
321	Field Data and Operating Time	AUF	1,072	0	303,981	0	0	283.56 MTBMA	Operational	05/83	04/85
321	Field Data and Operating Time	AUF	79	129	53,220	0	0	673.67 MTBF Functional	Operational	05/83	04/85
321	Field Data and Operating Time	AUF	208	0	53,220	0	0	255.86 MTBMA	Operational	05/83	04/85
350	Contract Spec/Requirement	AUF	0	0	0	0	0	300.00 MTBF Series	Development		
350	Analysis & Prediction Report	AU	0	0	0	0	0	426.00 MTBF Series	Development		
350	Field Data and Operating Time	AUF	8	0	2,887	0	0	360.87 MTBF Functional	Operational	01/82	06/82

Radar, Converter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
11	Allocation/Apportion	GF	0	0	0	0	0	588.00 MTBF Series	Development		
11	Allocation/Apportion	GF	0	0	0	0	0	588.00 MTBF Functional	Development		
11	Analysis & Prediction Report	GF	0	0	0	0	0	588.00 MTBF Series	Development		
11	Field Data and Operating Time	GF	7	2	3,254	0	0	464.85 MTBF Functional	Operational	02/76	08/76
11	Field Data and Operating Time	GF	2	0	17,520	0	0	8,760.00 MTBF Functional	Operational	08/83	07/85
11	Field Data and Operating Time	GF	2	0	17,520	0	0	8,760.00 MTBMA	Operational	08/83	07/85
11	Field Data and Operating Time	GF	2	0	17,520	0	0	8,760.00 MTBM	Operational	08/83	07/85
361	Analysis & Prediction Report	GF	0	0	0	0	0	9,475.00 MTBF Series	Development		
361	Field Data and Operating Time	GF	170	117	349,440	0	0	2,055.52 MTBF Functional	Operational	05/83	06/85

Radar, Converter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
361	Field Data and Operating Time	GF	287	0	349,440	0	0	1,217.56 MTBMA	Operational	05/83	06/85
361	Field Data and Operating Time	GF	340	0	349,440	0	0	1,027.76 MTBM	Operational	05/83	06/85
376	Analysis & Prediction Report	GF	0	0	0	0	0	1,704.00 MTBF Series	Development		
376	Field Data and Operating Time	GF	106	83	349,440	0	0	3,296.60 MTBF Functional	Operational	05/83	06/85
376	Field Data and Operating Time	GF	189	0	349,440	0	0	1,848.88 MTBMA	Operational	05/83	06/85
376	Field Data and Operating Time	GF	269	0	349,440	0	0	1,299.03 MTBM	Operational	05/83	06/85

Radar, Frequency/Timing Gen.

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
8	Analysis & Prediction Report	GF	0	0	0	0	0	5,000.00 MTBF Series	Development		
8	Field Data and Operating Time	GF	1	0	17,520	0	0	17,520.00 MTBF Functional	Operational	08/83	07/85
8	Field Data and Operating Time	GF	1	0	17,520	0	0	17,520.00 MTBMA	Operational	08/83	07/85
8	Field Data and Operating Time	GF	1	0	17,520	0	0	17,520.00 MTBM	Operational	08/83	07/85
96	Allocation/Apportion	AUF	0	0	0	0	0	390.00 MTBF Series	Development		
96	Analysis & Prediction Report	AU	0	0	0	0	0	422.00 MTBF Series	Development		
96	Production Sample Verification	AUF	0	3	257	0	0	370.85 MTBF Series	Production	10/76	01/77
96	Simulated Operation	AUF	7	0	1,891	0	0	270.14 MTBF Series	Development	07/72	11/74
96	Simulated Operation	AUF	5	0	1,775	0	0	355.00 MTBF Series	Development	04/74	06/75
96	Field Data and Operating Time	AUF	393	369	178,344	0	0	453.80 MTBF Functional	Operational	05/83	04/85
96	Field Data and Operating Time	AUF	762	0	178,344	0	0	234.04 MTBMA	Operational	05/83	04/85
96	Field Data and Operating Time	AUF	303	186	173,620	0	0	573.00 MTBF Functional	Operational	05/83	04/85
96	Field Data and Operating Time	AUF	489	0	173,620	0	0	355.05 MTBMA	Operational	05/83	04/85
106	Analysis & Prediction Report	AU	0	0	0	0	0	422.00 MTBF Series	Development	11/73	09/74
106	Demonstration Test Report	AUF	0	0	150	115	0	216.45 MTBF Series	Development	11/73	09/74
106	Simulated Operation	AUF	4	0	0	0	0	0.00 MTBF Series	Development	07/72	11/74
181	Production Sample Verification	AUF	0	0	360	0	12	519.48 MTBF Series	Production	01/78	04/78
181	Simulated Operation	AUF	5	0	939	0	0	187.80 MTBF Series	Development	07/76	08/76
181	Field Data and Operating Time	AUF	562	297	49,969	0	0	88.91 MTBF Functional	Operational	07/83	06/85
181	Field Data and Operating Time	AUF	861	0	49,969	0	0	58.03 MTBMA	Operational	07/83	06/85
266	Allocation/Apportion	GF	0	0	0	0	0	407.00 MTBF Series	Development		
266	Analysis & Prediction Report	GF	0	0	0	0	0	1,350.00 MTBF Series	Development		
266	Field Data and Operating Time	GF	28	0	70,080	0	4	2,502.85 MTBMA	Operational	08/83	07/85
266	Field Data and Operating Time	GF	17	11	70,080	0	4	4,122.35 MTBF Functional	Operational	08/83	07/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
18	Analysis & Prediction Report	GF	0	0	0	0	0	7,556.00 MTBF Series	Development	01/74	
18	Field Data and Operating Time	GF	10	0	210,240	0	0	21,024.00 MTBF Functional	Operational	08/83	07/85
18	Field Data and Operating Time	GF	10	0	210,240	0	0	21,024.00 MTBMA	Operational	08/83	07/85
18	Field Data and Operating Time	GF	10	0	210,240	0	0	21,024.00 MTBM	Operational	08/83	07/85
22	Analysis & Prediction Report	GF	0	0	0	0	0	4,540.00 MTBF Series	Development	01/74	
22	Field Data and Operating Time	GF	22	7	17,520	0	0	796.36 MTBF Functional	Operational	08/83	07/85
22	Field Data and Operating Time	GF	3	0	17,520	0	0	5,840.00 MTBF Functional	Operational	08/83	07/85
22	Field Data and Operating Time	GF	3	0	17,520	0	0	5,840.00 MTBMA	Operational	08/83	07/85
22	Field Data and Operating Time	GF	4	0	17,520	0	0	4,380.00 MTBM	Operational	08/83	07/85
24	Analysis & Prediction Report	GF	0	0	0	0	0	90,909.00 MTBF Series	Development	01/74	
24	Field Data and Operating Time	GF	1	0	210,240	0	0	210,240.00 MTBF Functional	Operational	08/83	07/85
24	Field Data and Operating Time	GF	1	0	210,240	0	0	210,240.00 MTBMA	Operational	08/83	07/85
24	Field Data and Operating Time	GF	1	0	210,240	0	0	210,240.00 MTBM	Operational	08/83	07/85
26	Analysis & Prediction Report	AI	0	0	0	0	0	35,587.00 MTBF Series	Development		
26	Demonstration Test Report	AI	0	0	7,127	4,287	10	10,284.27 MTBF Series	Development	01/76	03/76
26	Simulated Operation	AI	0	0	3,024	0	19	4,363.63 MTBF Series	Development	01/76	04/76
26	Field Data and Operating Time	AIA	1	13	18,222	0	66	18,222.00 MTBF Functional	Operational	04/77	10/77
26	Field Data and Operating Time	AIA	6	26	62,174	0	264	10,362.33 MTBF Functional	Operational	10/77	04/78
26	Field Data and Operating Time	AIA	118	24	152,192	0	0	1,289.76 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	18	7	17,122	0	0	951.22 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	142	0	152,192	0	0	1,071.77 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	25	0	17,122	0	0	684.88 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	222	89	450,653	0	0	2,029.96 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	311	0	450,653	0	0	1,449.04 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	20	2	49,331	0	0	2,466.55 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	27	0	49,331	0	0	1,827.07 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	6	6	60,059	0	0	10,009.83 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIA	12	0	60,059	0	0	5,004.91 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIB	1	1	34,083	0	61	34,083.00 MTBF Functional	Operational	04/77	10/77
26	Field Data and Operating Time	AIB	4	10	95,807	0	266	23,951.75 MTBF Functional	Operational	10/77	04/78
26	Field Data and Operating Time	AIB	41	19	136,060	0	0	3,318.53 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIB	60	0	136,060	0	0	2,267.66 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIB	20	16	71,056	0	0	3,552.80 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIB	36	0	71,056	0	0	1,973.77 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	0	5	102,249	0	183	147,545.45 MTBF Functional	Operational	04/77	10/77

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
26	Field Data and Operating Time	AIC	7	14	136,868	0	380	19,552.57 MTBF Functional	Operational	10/77	04/78
26	Field Data and Operating Time	AIC	28	8	98,190	0	0	3,506.78 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	36	0	98,190	0	0	2,727.50 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	154	84	1,022,625	0	0	6,640.42 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	238	0	1,022,625	0	0	4,296.74 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	27	5	97,060	0	0	3,594.81 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	32	0	97,060	0	0	3,033.12 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	15	5	96,394	0	0	6,426.26 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	20	0	96,394	0	0	4,819.70 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	200	62	684,686	0	0	3,423.43 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	262	0	684,686	0	0	2,613.30 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	32	5	62,103	0	0	1,940.71 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	37	0	62,103	0	0	1,678.45 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	6	5	128,203	0	0	21,367.16 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	11	0	128,203	0	0	11,654.81 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	73	16	101,203	0	0	1,386.34 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	89	0	101,203	0	0	1,137.11 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	13	3	55,107	0	0	4,239.00 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	16	0	55,107	0	0	3,444.18 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	1	0	1,459	0	0	1,459.00 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIC	1	0	1,459	0	0	1,459.00 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	AIC	2	1	21,009	0	0	10,504.50 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	3	0	21,009	0	0	7,003.00 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	84	30	359,519	0	0	4,279.98 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	114	0	359,519	0	0	3,153.67 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	7	3	68,798	0	0	9,828.28 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	10	0	68,798	0	0	6,879.80 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	30	7	61,082	0	0	2,036.06 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	37	0	61,082	0	0	1,650.86 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	2	1	18,305	0	0	9,152.50 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	3	0	18,305	0	0	6,101.66 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	0	0	0	0	0	3,595.00 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	0	0	0	0	0	3,595.00 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	4	0	14,128	0	0	3,532.00 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIC	4	0	14,128	0	0	3,532.00 MTBMA	Operational	07/83	06/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
26	Field Data and Operating Time	AIC	227	70	561,700	0	0	2,474.44 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIC	297	0	561,700	0	0	1,891.24 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	AIC	0	0	59,209	0	0	85,438.67 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIC	0	0	59,209	0	0	85,438.67 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	3	11	59,912	0	217	19,970.66 MTBF Functional	Operational	04/77	10/77
26	Field Data and Operating Time	AIF	6	9	61,939	0	263	10,323.16 MTBF Functional	Operational	10/77	04/78
26	Field Data and Operating Time	AIF	213	105	324,229	0	0	1,522.20 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	328	0	324,229	0	0	988.50 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	57	38	57,556	0	0	1,009.75 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	95	0	57,556	0	0	605.85 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	84	0	94,292	0	0	1,122.52 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	58	26	94,292	0	0	1,625.72 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	271	46	154,753	0	0	571.04 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	317	0	154,753	0	0	488.17 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	250	72	162,383	0	0	649.53 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	322	0	162,383	0	0	504.29 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	545	115	235,870	0	0	432.78 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	660	0	235,870	0	0	357.37 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	98	8	49,969	0	0	509.88 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	106	0	49,969	0	0	471.40 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	AIF	10	3	24,207	0	0	2,420.70 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	13	0	24,207	0	0	1,862.07 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	8	5	13,740	0	0	1,717.50 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	13	0	13,740	0	0	1,056.92 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	2	14	39,513	0	0	19,756.50 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	16	0	39,513	0	0	2,469.56 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	34	11	38,558	0	0	1,134.05 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	45	0	38,558	0	0	856.84 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	14	4	39,991	0	0	2,856.50 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	18	0	39,991	0	0	2,221.72 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	3	8	43,935	0	0	14,645.00 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	11	0	43,935	0	0	3,994.09 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	1	0	3,620	0	0	3,620.00 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	1	0	3,620	0	0	3,620.00 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIF	21	5	50,729	0	0	2,415.66 MTBF Functional	Operational	06/83	05/85

Radar, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
26	Field Data and Operating Time	AIF	26	0	50,729	0	0	1,951.11 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	AIT	10	19	341,434	0	1,128	34,143.40 MTBF Functional	Operational	04/77	10/77
26	Field Data and Operating Time	AIT	7	18	319,349	0	1,356	45,621.28 MTBF Functional	Operational	10/77	04/78
26	Field Data and Operating Time	AIT	6	2	55,483	0	0	9,247.16 MTBF Functional	Operational	06/83	05/85
26	Field Data and Operating Time	AIT	8	0	55,483	0	0	6,935.37 MTBMA	Operational	06/83	05/85
26	Field Data and Operating Time	ARW	3	1	18,981	0	0	6,327.00 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	ARW	4	0	18,981	0	0	4,745.25 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	ARW	6	1	24,700	0	0	4,116.66 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	ARW	7	0	24,700	0	0	3,528.57 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	ARW	14	3	47,614	0	0	3,401.00 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	ARW	17	0	47,614	0	0	2,800.82 MTBMA	Operational	07/83	06/85
26	Field Data and Operating Time	ARW	21	14	51,206	0	0	2,438.38 MTBF Functional	Operational	07/83	06/85
26	Field Data and Operating Time	ARW	35	0	51,206	0	0	1,463.02 MTBMA	Operational	07/83	06/85
92	Analysis & Prediction Report	AI	0	0	0	0	0	4,425.00 MTBF Series	Development	11/73	09/74
92	Analysis & Prediction Report	AI	0	0	0	0	0	4,100.00 MTBF Series	Development		
92	Production Sample Verification	AIF	0	2	257	0	0	370.85 MTBF Series	Production	10/76	01/77
92	Simulated Operation	AIF	0	0	1,864	0	0	2,689.75 MTBF Series	Development	07/72	11/74
92	Field Data and Operating Time	AIF	99	114	178,344	0	0	1,801.45 MTBF Functional	Operational	05/83	04/85
92	Field Data and Operating Time	AIF	213	0	178,344	0	0	837.29 MTBMA	Operational	05/83	04/85
92	Field Data and Operating Time	AIF	92	156	173,620	0	0	1,887.17 MTBF Functional	Operational	05/83	04/85
92	Field Data and Operating Time	AIF	248	0	173,620	0	0	700.08 MTBMA	Operational	05/83	04/85
102	Analysis & Prediction Report	AI	0	0	0	0	0	4,100.00 MTBF Series	Development		
102	Analysis & Prediction Report	AI	0	0	0	0	0	4,425.00 MTBF Series	Development	11/73	09/74
102	Demonstration Test Report	AIF	0	1	150	115	0	216.45 MTBF Series	Development	11/73	09/74
186	Production Sample Verification	AUF	0	0	720	0	24	1,038.96 MTBF Series	Production	01/78	04/78
186	Simulated Operation	AUF	0	0	1,344	0	0	1,939.39 MTBF Series	Development	07/76	08/76
186	Field Data and Operating Time	AUF	151	86	49,969	0	0	330.92 MTBF Functional	Operational	07/83	06/85
186	Field Data and Operating Time	AUF	237	0	49,969	0	0	210.83 MTBMA	Operational	07/83	06/85
204	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	05/74	05/74
204	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	06/74	06/74
204	Production Sample Verification	AIC	0	0	148	74	0	213.56 MTBF Series	Production	07/74	07/74
204	Production Sample Verification	AIC	0	0	216	108	0	311.68 MTBF Series	Production	08/74	08/74
204	Production Sample Verification	AIC	0	0	144	72	0	207.79 MTBF Series	Production	09/74	09/74
204	Production Sample Verification	AIC	0	0	144	72	0	207.79 MTBF Series	Production	10/74	10/74
204	Production Sample Verification	AIC	0	0	216	108	0	311.68 MTBF Series	Production	11/74	11/74

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
204	Production Sample Verification	AIC	0	0	216	108	0	311.68 MTBF Series	Production	12/74	12/74
204	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	01/75	01/75
205	Production Sample Verification	AIC	0	0	216	108	0	311.68 MTBF Series	Production	03/75	03/75
205	Production Sample Verification	AIC	0	0	216	108	0	311.68 MTBF Series	Production	04/75	04/75
205	Production Sample Verification	AIC	0	0	216	108	0	311.68 MTBF Series	Production	05/75	05/75
205	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	06/75	06/75
205	Production Sample Verification	AIC	0	0	74	37	0	106.78 MTBF Series	Production	07/75	07/75
205	Production Sample Verification	AIC	0	0	268	134	0	386.72 MTBF Series	Production	09/75	09/75
205	Production Sample Verification	AIC	0	0	86	43	0	124.09 MTBF Series	Production	10/75	10/75
205	Production Sample Verification	AIC	0	0	79	40	0	113.99 MTBF Series	Production	11/75	11/75
205	Production Sample Verification	AIC	0	0	83	41	0	119.76 MTBF Series	Production	12/75	12/75
205	Production Sample Verification	AIC	0	0	78	39	0	112.55 MTBF Series	Production	01/76	01/76
205	Production Sample Verification	AIC	0	0	81	40	0	116.88 MTBF Series	Production	03/76	03/76
205	Production Sample Verification	AIC	0	0	91	45	0	131.31 MTBF Series	Production	04/76	04/76
206	Production Sample Verification	AIC	0	0	144	72	0	207.79 MTBF Series	Production	05/74	05/74
206	Production Sample Verification	AIC	0	0	144	72	0	207.79 MTBF Series	Production	06/74	06/74
206	Production Sample Verification	AIC	0	0	296	148	0	427.12 MTBF Series	Production	07/74	07/74
206	Production Sample Verification	AIC	1	0	432	216	0	432.00 MTBF Series	Production	08/74	08/74
206	Production Sample Verification	AIC	0	0	576	288	0	831.16 MTBF Series	Production	09/74	09/74
206	Production Sample Verification	AIC	0	0	288	144	0	415.58 MTBF Series	Production	10/74	10/74
206	Production Sample Verification	AIC	1	0	432	216	0	432.00 MTBF Series	Production	11/74	11/74
206	Production Sample Verification	AIC	0	0	360	180	0	519.48 MTBF Series	Production	12/74	12/74
206	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	01/75	01/75
207	Production Sample Verification	AIC	0	0	432	216	0	623.37 MTBF Series	Production	03/75	03/75
207	Production Sample Verification	AIC	0	0	144	72	0	207.79 MTBF Series	Production	04/75	04/75
207	Production Sample Verification	AIC	1	0	288	144	0	288.00 MTBF Series	Production	05/75	05/75
207	Production Sample Verification	AIC	0	0	144	72	0	207.79 MTBF Series	Production	06/75	06/75
207	Production Sample Verification	AIC	0	0	148	74	0	213.56 MTBF Series	Production	07/75	07/75
207	Production Sample Verification	AIC	0	0	456	228	0	658.00 MTBF Series	Production	09/75	09/75
207	Production Sample Verification	AIC	1	0	163	81	0	163.00 MTBF Series	Production	10/75	10/75
207	Production Sample Verification	AIC	0	0	158	79	0	227.99 MTBF Series	Production	11/75	11/75
207	Production Sample Verification	AIC	0	0	166	83	0	239.53 MTBF Series	Production	12/75	12/75
207	Production Sample Verification	AIC	1	0	156	78	0	156.00 MTBF Series	Production	01/76	01/76
207	Production Sample Verification	AIC	0	0	162	81	0	233.76 MTBF Series	Production	03/76	03/76
207	Production Sample Verification	AIC	0	0	182	91	0	262.62 MTBF Series	Production	04/76	04/76

Radar, Indicator/Control

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208	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	05/74	05/74
208	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	06/74	06/74
208	Production Sample Verification	AIC	4	0	155	78	0	38.75 MTBF Series	Production	07/74	07/74
208	Production Sample Verification	AIC	0	0	144	72	0	207.79 MTBF Series	Production	08/74	08/74
208	Production Sample Verification	AIC	2	0	158	79	0	79.00 MTBF Series	Production	09/74	09/74
208	Production Sample Verification	AIC	2	0	161	80	0	80.50 MTBF Series	Production	10/74	10/74
208	Production Sample Verification	AIC	0	0	146	73	0	210.67 MTBF Series	Production	11/74	11/74
208	Production Sample Verification	AIC	0	0	312	156	0	450.21 MTBF Series	Production	12/74	12/74
208	Production Sample Verification	AIC	0	0	76	38	0	109.66 MTBF Series	Production	01/75	01/75
209	Production Sample Verification	AIC	0	0	223	111	0	321.78 MTBF Series	Production	03/75	03/75
209	Production Sample Verification	AIC	0	0	75	38	0	108.22 MTBF Series	Production	04/75	04/75
209	Production Sample Verification	AIC	0	0	165	82	0	238.09 MTBF Series	Production	05/75	05/75
209	Production Sample Verification	AIC	0	0	72	36	0	103.89 MTBF Series	Production	06/75	06/75
209	Production Sample Verification	AIC	0	0	74	37	0	106.78 MTBF Series	Production	07/75	07/75
209	Production Sample Verification	AIC	2	0	268	134	0	134.00 MTBF Series	Production	09/75	09/75
209	Production Sample Verification	AIC	1	0	84	42	0	84.00 MTBF Series	Production	10/75	10/75
209	Production Sample Verification	AIC	0	0	79	40	0	113.99 MTBF Series	Production	11/75	11/75
209	Production Sample Verification	AIC	3	0	83	41	0	27.66 MTBF Series	Production	12/75	12/75
209	Production Sample Verification	AIC	0	0	78	39	0	112.55 MTBF Series	Production	01/76	01/76
209	Production Sample Verification	AIC	0	0	81	40	0	116.88 MTBF Series	Production	03/76	03/76
209	Production Sample Verification	AIC	1	0	91	46	0	91.00 MTBF Series	Production	04/76	04/76
322	Field Data and Operating Time	AUF	152	177	303,981	0	0	1,999.87 MTBF Functional	Operational	05/83	04/85
322	Field Data and Operating Time	AUF	329	0	303,981	0	0	923.95 MTBMA	Operational	05/83	04/85
322	Field Data and Operating Time	AUF	19	47	53,220	0	0	2,801.05 MTBF Functional	Operational	05/83	04/85
322	Field Data and Operating Time	AUF	66	0	53,220	0	0	806.36 MTBMA	Operational	05/83	04/85
365	Analysis & Prediction Report	GF	0	0	0	0	0	30,038.00 MTBF Series	Development		
365	Field Data and Operating Time	GF	67	48	349,440	0	0	5,215.52 MTBF Functional	Operational	05/83	06/85
365	Field Data and Operating Time	GF	115	0	349,440	0	0	3,038.60 MTBMA	Operational	05/83	06/85
365	Field Data and Operating Time	GF	123	0	349,440	0	0	2,840.97 MTBM	Operational	05/83	06/85
366	Analysis & Prediction Report	GF	0	0	0	0	0	39,183.00 MTBF Series	Development		
366	Field Data and Operating Time	GF	22	10	698,880	0	0	31,767.27 MTBF Functional	Operational	05/83	06/85
366	Field Data and Operating Time	GF	32	0	698,880	0	0	21,840.00 MTBMA	Operational	05/83	06/85
366	Field Data and Operating Time	GF	35	0	698,880	0	0	19,968.00 MTBM	Operational	05/83	06/85
372	Analysis & Prediction Report	GF	0	0	0	0	0	29,658.00 MTBF Series	Development		
372	Field Data and Operating Time	GF	36	28	349,440	0	0	9,706.66 MTBF Functional	Operational	05/83	06/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
372	Field Data and Operating Time	GF	64	0	349,440	0	0	5,460.00 MTBMA	Operational	05/83	06/85
372	Field Data and Operating Time	GF	74	0	349,440	0	0	4,722.16 MTBM	Operational	05/83	06/85
373	Analysis & Prediction Report	GF	0	0	0	0	0	63,682.00 MTBF Series	Development		
373	Field Data and Operating Time	GF	15	15	698,880	0	0	46,592.00 MTBF Functional	Operational	05/83	06/85
373	Field Data and Operating Time	GF	30	0	698,880	0	0	23,296.00 MTBMA	Operational	05/83	06/85
373	Field Data and Operating Time	GF	40	0	698,880	0	0	17,472.00 MTBM	Operational	05/83	06/85
374	Analysis & Prediction Report	GF	0	0	0	0	0	1,334.00 MTBF Series	Development		
374	Field Data and Operating Time	GF	607	437	698,880	0	0	1,151.36 MTBF Functional	Operational	05/83	06/85
374	Field Data and Operating Time	GF	1,044	0	698,880	0	0	669.42 MTBMA	Operational	05/83	06/85
374	Field Data and Operating Time	GF	1,243	0	698,880	0	0	562.25 MTBM	Operational	05/83	06/85

Radar, Interconnect/Distribute

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
85	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
86	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
87	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
88	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
89	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
90	Simulated Operation	AUF	0	0	1,606	0	0	2,317.46 MTBF Series	Development	07/72	11/74
364	Analysis & Prediction Report	GF	0	0	0	0	0	========== MTBF Series	Development		
364	Field Data and Operating Time	GF	63	47	349,440	0	0	5,546.66 MTBF Functional	Operational	05/83	06/85
364	Field Data and Operating Time	GF	110	0	349,440	0	0	3,176.72 MTBMA	Operational	05/83	06/85
364	Field Data and Operating Time	GF	127	0	349,440	0	0	2,751.49 MTBM	Operational	05/83	06/85
367	Analysis & Prediction Report	GF	0	0	0	0	0	91,844.00 MTBF Series	Development		
367	Field Data and Operating Time	GF	10	2	349,440	0	0	34,944.00 MTBF Functional	Operational	05/83	09/85
367	Field Data and Operating Time	GF	12	0	349,440	0	0	29,120.00 MTBMA	Operational	05/83	09/85
367	Field Data and Operating Time	GF	33	0	349,440	0	0	10,589.09 MTBM	Operational	05/83	09/85
369	Analysis & Prediction Report	GF	0	0	0	0	0	========== MTBF Series	Development		
369	Field Data and Operating Time	GF	48	25	349,440	0	0	7,280.00 MTBF Functional	Operational	05/83	06/85
369	Field Data and Operating Time	GF	73	0	349,440	0	0	4,786.84 MTBMA	Operational	05/83	06/85
369	Field Data and Operating Time	GF	82	0	349,440	0	0	4,261.46 MTBM	Operational	05/83	06/85

Radar, Memory

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
7	Analysis & Prediction Report	GF	0	0	0	0	0	2,877.00 MTBF Series	Development	01/74	
7	Analysis & Prediction Report	GF	0	0	17,520	0	0	25,281.38 MTBM	Operational	08/83	07/85
7	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBF Functional	Operational	08/83	07/85
7	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBMA	Operational	08/83	07/85

Radar, Miscellaneous

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
351	Contract Spec/Requirement	AUF	0	0	0	0	0	8,000.00 MTBF Series	Development		
351	Analysis & Prediction Report	AU	0	0	0	0	0	438.00 MTBF Series	Development		
377	Analysis & Prediction Report	GF	0	0	0	0	0	90,992.00 MTBF Series	Development		
377	Field Data and Operating Time	GF	1,037	616	349,440	0	0	336.97 MTBF Functional	Operational	05/83	06/85
377	Field Data and Operating Time	GF	1,653	0	349,440	0	0	211.39 MTBMA	Operational	05/83	06/85
377	Field Data and Operating Time	GF	1,880	0	349,440	0	0	185.87 MTBM	Operational	05/83	06/85

Radar, Modulator/Demodulator

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
19	Analysis & Prediction Report	GF	0	0	0	0	0	2,266.00 MTBF Series	Development	01/74	
19	Field Data and Operating Time	GF	2	0	105,120	0	0	52,560.00 MTBF Functional	Operational	08/83	07/85
19	Field Data and Operating Time	GF	2	0	105,120	0	0	52,560.00 MTBMA	Operational	08/83	07/85
19	Field Data and Operating Time	GF	2	0	105,120	0	0	52,560.00 MTBM	Operational	08/83	07/85
20	Analysis & Prediction Report	GF	0	0	0	0	0	6,202.00 MTBF Series	Development	01/74	
20	Field Data and Operating Time	GF	2	0	210,240	0	0	105,120.00 MTBF Functional	Operational	08/83	07/85
20	Field Data and Operating Time	GF	2	0	210,240	0	0	105,120.00 MTBMA	Operational	08/83	07/85
20	Field Data and Operating Time	GF	2	0	210,240	0	0	105,120.00 MTBM	Operational	08/83	07/85
21	Analysis & Prediction Report	GF	0	0	0	0	0	2,266.00 MTBF Series	Development	01/74	
21	Field Data and Operating Time	GF	7	0	105,120	0	0	15,017.14 MTBF Functional	Operational	08/83	07/85
21	Field Data and Operating Time	GF	7	0	105,120	0	0	15,017.14 MTBMA	Operational	08/83	07/85
21	Field Data and Operating Time	GF	12	0	105,120	0	0	8,760.00 MTBM	Operational	08/83	07/85

Radar, Mux/Demux

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
363	Analysis & Prediction Report	GF	0	0	0	0	0	3,490.00 MTBF Series	Development		
363	Field Data and Operating Time	GF	613	481	698,880	0	0	1,140.09 MTBF Functional	Operational	05/83	06/85
363	Field Data and Operating Time	GF	1,094	0	698,880	0	0	638.82 MTBMA	Operational	05/83	06/85
363	Field Data and Operating Time	GF	1,182	0	698,880	0	0	591.26 MTBM	Operational	05/83	06/85
371	Analysis & Prediction Report	GF	0	0	0	0	0	3,151.00 MTBF Series	Development		
371	Field Data and Operating Time	GF	204	132	349,440	0	0	1,712.94 MTBF Functional	Operational	05/83	06/85
371	Field Data and Operating Time	GF	336	0	349,440	0	0	1,040.00 MTBMA	Operational	05/83	06/85
371	Field Data and Operating Time	GF	370	0	349,440	0	0	944.43 MTBM	Operational	05/83	06/85

Radar, Power Supply

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
23	Analysis & Prediction Report	GF	0	0	0	0	0	29,870.00 MTBF Series	Development	01/74	
23	Field Data and Operating Time	GF	1	0	210,240	0	0	210,240.00 MTBF Functional	Operational	08/83	07/85
23	Field Data and Operating Time	GF	1	0	210,240	0	0	210,240.00 MTBMA	Operational	08/83	07/85
23	Field Data and Operating Time	GF	1	0	210,240	0	0	210,240.00 MTBM	Operational	08/83	07/85
97	Allocation/Apportion	AUF	0	0	0	0	0	1,810.00 MTBF Series	Development		
97	Analysis & Prediction Report	AU	0	0	0	0	0	1,923.00 MTBF Series	Development		
97	Production Sample Verification	AUF	1	0	257	0	0	257.00 MTBF Series	Production	10/76	01/77
97	Simulated Operation	AUF	6	0	1,943	0	0	323.83 MTBF Series	Development	07/72	11/74
97	Simulated Operation	AUF	3	0	1,716	0	0	572.00 MTBF Series	Development	04/74	06/75
97	Field Data and Operating Time	AUF	947	1,517	178,344	0	0	188.32 MTBF Functional	Operational	05/83	04/85
97	Field Data and Operating Time	AUF	2,464	0	178,344	0	0	72.37 MTBMA	Operational	05/83	04/85
97	Field Data and Operating Time	AUF	509	819	173,620	0	0	341.10 MTBF Functional	Operational	05/83	04/85
97	Field Data and Operating Time	AUF	1,328	0	173,620	0	0	130.73 MTBMA	Operational	05/83	04/85
107	Analysis & Prediction Report	AU	0	0	0	0	0	1,923.00 MTBF Series	Development	11/73	09/74
107	Demonstration Test Report	AUF	0	0	150	115	0	216.45 MTBF Series	Development	11/73	09/74
182	Production Sample Verification	AUF	0	0	360	0	12	519.48 MTBF Series	Production	01/78	04/78
182	Simulated Operation	AUF	0	0	938	0	0	1,353.53 MTBF Series	Development	07/76	08/76
251	Analysis & Prediction Report	GF	0	0	0	0	0	22,211.00 MTBF Series	Development		
251	Field Data and Operating Time	GF	47	0	3,924,480	0	224	83,499.57 MTBMA	Operational	08/83	07/85
251	Field Data and Operating Time	GF	32	15	3,924,480	0	224	122,640.00 MTBF Functional	Operational	08/83	07/85
368	Analysis & Prediction Report	GF	0	0	0	0	0	36,610.00 MTBF Series	Development		
368	Field Data and Operating Time	GF	10	13	349,440	0	0	34,944.00 MTBF Functional	Operational	05/83	06/85

Radar, Power Supply

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
368	Field Data and Operating Time	GF	23	0	349,440	0	0	15,193.04 MTBMA	Operational	05/83	06/85
368	Field Data and Operating Time	GF	36	0	349,440	0	0	9,706.66 MTBM	Operational	05/83	06/85
370	Analysis & Prediction Report	GF	0	0	0	0	0	222,618.00 MTBF Series	Development		
370	Field Data and Operating Time	GF	6	4	698,880	0	0	116,480.00 MTBF Functional	Operational	05/83	06/85
370	Field Data and Operating Time	GF	10	0	698,880	0	0	69,888.00 MTBMA	Operational	05/83	06/85
370	Field Data and Operating Time	GF	14	0	698,880	0	0	49,920.00 MTBM	Operational	05/83	06/85

Radar, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
98	Allocation/Apportion	AUF	0	0	0	0	0	1,809.00 MTBF Series	Development		
98	Analysis & Prediction Report	AU	0	0	0	0	0	1,938.00 MTBF Series	Development		
98	Production Sample Verification	AUF	0	1	257	0	0	370.85 MTBF Series	Production	10/76	01/77
98	Simulated Operation	AUF	4	0	1,885	0	0	471.25 MTBF Series	Development	07/72	11/74
98	Simulated Operation	AUF	1	0	1,676	0	0	1,676.00 MTBF Series	Development	04/74	06/75
98	Field Data and Operating Time	AUF	795	1,720	178,344	0	0	224.33 MTBF Functional	Operational	05/83	04/85
98	Field Data and Operating Time	AUF	2,515	0	178,344	0	0	70.91 MTBMA	Operational	05/83	04/85
98	Field Data and Operating Time	AUF	673	913	173,620	0	0	257.97 MTBF Functional	Operational	05/83	04/85
98	Field Data and Operating Time	AUF	1,586	0	173,620	0	0	109.47 MTBMA	Operational	05/83	04/85
108	Analysis & Prediction Report	AU	0	0	0	0	0	1,938.00 MTBF Series	Development	11/73	09/74
108	Demonstration Test Report	AUF	0	0	150	115	0	216.45 MTBF Series	Development	11/73	09/74
176	Field Data and Operating Time	AUF	19,585	0	49,969	0	0	2.55 MTBMA	Operational	07/83	06/85
176	Field Data and Operating Time	AUF	7,866	11,719	49,969	0	0	6.35 MTBF Functional	Operational	07/83	06/85
183	Production Sample Verification	AUF	0	0	360	0	12	519.48 MTBF Series	Production	01/78	04/78
183	Simulated Operation	AUF	0	0	1,004	0	0	1,448.77 MTBF Series	Development	07/76	08/76
183	Field Data and Operating Time	AUF	347	351	49,969	0	0	144.00 MTBF Functional	Operational	07/83	06/85
183	Field Data and Operating Time	AUF	698	0	49,969	0	0	71.58 MTBMA	Operational	07/83	06/85
184	Production Sample Verification	AUF	0	0	720	0	24	1,038.96 MTBF Series	Production	01/78	04/78
184	Simulated Operation	AUF	2	0	1,987	0	0	993.50 MTBF Series	Development	07/76	08/76
184	Field Data and Operating Time	AUF	262	242	49,969	0	0	190.72 MTBF Functional	Operational	07/83	06/85
184	Field Data and Operating Time	AUF	504	0	49,969	0	0	99.14 MTBMA	Operational	07/83	06/85
185	Production Sample Verification	AUF	0	0	360	0	12	519.48 MTBF Series	Production	01/78	04/78
185	Simulated Operation	AUF	7	0	764	0	0	109.14 MTBF Series	Development	07/76	08/76
185	Field Data and Operating Time	AUF	457	223	44,969	0	0	98.40 MTBF Functional	Operational	07/83	06/85

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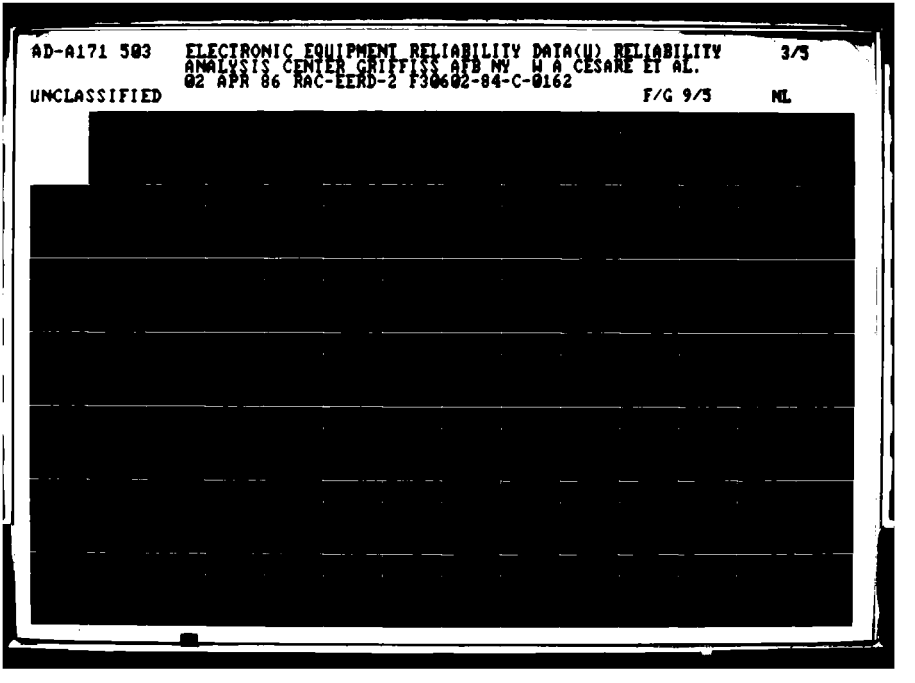

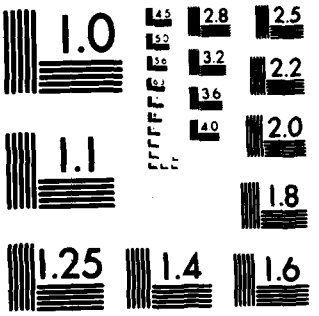

'CROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Receiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
185	Field Data and Operating Time	AUF	680	0	49,969	0	0	73.48 MTBMA	Operational	07/83	06/85
196	Demonstration Test Report	AUF	0	4	1,625	1,023	32	2,344.87 MTBF Series	Production	10/77	08/78
196	Demonstration Test Report	AUF	1	1	750	420	15	750.00 MTBF Series	Production	08/78	09/78
196	Simulated Operation	AUF	0	0	950	0	0	1,370.85 MTBF Series	Development	07/76	08/76
196	Field Data and Operating Time	AUF	25	29	49,969	0	0	1,998.76 MTBF Functional	Operational	07/83	06/85
196	Field Data and Operating Time	AUF	54	0	49,969	0	0	925.35 MTBMA	Operational	07/83	06/85
253	Analysis & Prediction Report	GF	0	0	0	0	0	1,412.00 MTBF Series	Development		
253	Field Data and Operating Time	GF	23	0	35,040	0	2	1,523.47 MTBMA	Operational	08/83	07/85
253	Field Data and Operating Time	GF	16	7	35,040	0	2	2,190.00 MTBF Functional	Operational	08/83	07/85
318	Field Data and Operating Time	AUF	1,499	1,436	303,981	0	0	202.78 MTBF Functional	Operational	05/83	04/85
318	Field Data and Operating Time	AUF	2,935	0	303,981	0	0	103.57 MTBMA	Operational	05/83	04/85
318	Field Data and Operating Time	AUF	252	345	53,220	0	0	211.19 MTBF Functional	Operational	05/83	04/85
318	Field Data and Operating Time	AUF	597	0	53,220	0	0	89.14 MTBMA	Operational	05/83	04/85
348	Contract Spec/Requirement	AUF	0	0	0	0	0	800.00 MTBF Series	Development		
348	Analysis & Prediction Report	AU	0	0	0	0	0	1,110.00 MTBF Series	Development		
348	Field Data and Operating Time	AUF	15	0	2,887	0	0	192.46 MTBF Functional	Operational	01/82	06/82
362	Analysis & Prediction Report	GF	0	0	0	0	0	3,211.00 MTBF Series	Development		
362	Field Data and Operating Time	GF	1,010	0	349,440	0	0	345.98 MTBMA	Operational	05/83	06/85
362	Field Data and Operating Time	GF	663	347	349,440	0	0	527.05 MTBF Functional	Operational	05/83	06/85
362	Field Data and Operating Time	GF	1,231	0	349,440	0	0	283.86 MTBM	Operational	05/83	06/85

Radar, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
9	Analysis & Prediction Report	GF	0	0	0	0	0	1,833.00 MTBF Series	Development	01/74	
9	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBF Functional	Operational	08/83	07/85
9	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBMA	Operational	08/83	07/85
9	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBM	Operational	08/83	07/85
10	Analysis & Prediction Report	GF	0	0	0	0	0	278.00 MTBF Series	Development	01/74	
10	Field Data and Operating Time	GF	5	19	3,254	0	0	650.80 MTBF Functional	Operational	02/76	08/76
10	Field Data and Operating Time	GF	6	24	3,254	0	0	542.33 MTBF Functional	Operational	02/76	08/76
10	Field Data and Operating Time	GF	11	3	17,520	0	0	1,592.72 MTBF Functional	Operational	08/83	07/85
10	Field Data and Operating Time	GF	14	0	17,520	0	0	1,251.42 MTBMA	Operational	08/83	07/85
10	Field Data and Operating Time	GF	19	0	17,520	0	0	922.10 MTBM	Operational	08/83	07/85

Radar, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
15	Analysis & Prediction Report	GF	0	0	0	0	0	2,255.00 MTBF Series	Development	01/74	
15	Field Data and Operating Time	GF	3	3	3,254	0	0	1,084.66 MTBF Functional	Operational	02/76	08/76
15	Field Data and Operating Time	GF	3	3	3,254	0	0	1,084.66 MTBF Functional	Operational	02/76	08/76
15	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBF Functional	Operational	08/83	07/85
15	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBMA	Operational	08/83	07/85
15	Field Data and Operating Time	GF	0	0	17,520	0	0	25,281.38 MTBM	Operational	08/83	07/85
93	Allocation/Apportion	AUF	0	0	0	0	0	245.00 MTBF Series	Development		
93	Analysis & Prediction Report	AU	0	0	0	0	0	263.00 MTBF Series	Development		
93	Production Sample Verification	AUF	0	1	257	0	0	370.85 MTBF Series	Production	10/76	01/77
93	Simulated Operation	AUF	11	0	1,952	0	0	177.45 MTBF Series	Development	07/72	11/74
93	Simulated Operation	AUF	5	0	1,863	0	0	372.60 MTBF Series	Development	04/74	06/75
93	Field Data and Operating Time	AUF	556	989	178,344	0	0	320.76 MTBF Functional	Operational	05/83	04/85
93	Field Data and Operating Time	AUF	1,545	0	178,344	0	0	115.43 MTBMA	Operational	05/83	04/85
93	Field Data and Operating Time	AUF	287	251	173,620	0	0	604.94 MTBF Functional	Operational	05/83	04/85
93	Field Data and Operating Time	AUF	638	0	173,620	0	0	272.13 MTBMA	Operational	05/83	04/85
94	Allocation/Apportion	AUF	0	0	0	0	0	365.00 MTBF Series	Development		
94	Analysis & Prediction Report	AU	0	0	0	0	0	391.00 MTBF Series	Development		
94	Simulated Operation	AUF	10	0	2,121	0	0	212.10 MTBF Series	Development	07/72	11/74
94	Simulated Operation	AUF	7	0	1,795	0	0	256.42 MTBF Series	Development	04/74	06/75
94	Field Data and Operating Time	AUF	1,153	2,084	178,344	0	0	154.67 MTBF Functional	Operational	05/83	04/85
94	Field Data and Operating Time	AUF	3,237	0	178,344	0	0	55.09 MTBMA	Operational	05/83	04/85
94	Field Data and Operating Time	AUF	698	1,005	173,620	0	0	248.73 MTBF Functional	Operational	05/83	04/85
94	Field Data and Operating Time	AUF	1,703	0	173,620	0	0	101.94 MTBMA	Operational	05/83	04/85
95	Allocation/Apportion	AUF	0	0	0	0	0	418.00 MTBF Series	Development		
95	Analysis & Prediction Report	AU	0	0	0	0	0	451.00 MTBF Series	Development		
95	Production Sample Verification	AUF	0	2	257	0	0	370.85 MTBF Series	Production	10/76	01/77
95	Simulated Operation	AUF	10	0	1,888	0	0	188.80 MTBF Series	Development	07/72	11/74
95	Simulated Operation	AUF	3	0	1,744	0	0	581.33 MTBF Series	Development	04/74	06/75
95	Field Data and Operating Time	AUF	1,332	1,599	178,344	0	0	133.89 MTBF Functional	Operational	05/83	04/85
95	Field Data and Operating Time	AUF	2,931	0	178,344	0	0	60.84 MTBMA	Operational	05/83	04/85
95	Field Data and Operating Time	AUF	1,166	1,297	173,620	0	0	148.90 MTBF Functional	Operational	05/83	04/85
95	Field Data and Operating Time	AUF	2,463	0	173,620	0	0	70.49 MTBMA	Operational	05/83	04/85
103	Analysis & Prediction Report	AU	0	0	0	0	0	264.00 MTBF Series	Development	11/73	09/74
103	Demonstration Test Report	AUF	2	27	150	115	0	75.00 MTBF Series	Development	11/73	09/74
104	Analysis & Prediction Report	AU	0	0	0	0	0	390.00 MTBF Series	Development	11/73	09/74

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
104	Demonstration Test Report	AUF	2	9	150	115	0	75.00 MTBF Series	Development	11/73	09/74
105	Analysis & Prediction Report	AU	0	0	0	0	0	451.00 MTBF Series	Development	11/73	09/74
105	Demonstration Test Report	AUF	0	0	150	115	0	216.45 MTBF Series	Development	11/73	09/74
177	Production Sample Verification	AUF	1	1	360	0	12	360.00 MTBF Series	Production	01/78	04/78
177	Simulated Operation	AUF	2	0	1,010	0	0	505.00 MTBF Series	Development	07/76	08/76
177	Field Data and Operating Time	AUF	646	362	49,969	0	0	77.35 MTBF Functional	Operational	07/83	06/85
177	Field Data and Operating Time	AUF	1,008	0	49,969	0	0	49.57 MTBMA	Operational	07/83	06/85
178	Production Sample Verification	AUF	0	0	360	0	12	519.48 MTBF Series	Production	01/78	04/78
178	Simulated Operation	AUF	0	0	1,003	0	0	1,447.33 MTBF Series	Development	07/76	08/76
178	Field Data and Operating Time	AUF	394	166	49,969	0	0	126.82 MTBF Functional	Operational	07/83	06/85
178	Field Data and Operating Time	AUF	560	0	49,969	0	0	89.23 MTBMA	Operational	07/83	06/85
179	Production Sample Verification	AUF	0	0	360	0	12	519.48 MTBF Series	Production	01/78	04/78
179	Simulated Operation	AUF	0	0	974	0	0	1,405.48 MTBF Series	Development	07/76	08/76
179	Field Data and Operating Time	AUF	250	168	49,969	0	0	199.87 MTBF Functional	Operational	07/83	06/85
179	Field Data and Operating Time	AUF	418	0	49,969	0	0	119.54 MTBMA	Operational	07/83	06/85
180	Production Sample Verification	AUF	0	1	1,080	0	36	1,558.44 MTBF Series	Production	01/78	04/78
180	Simulated Operation	AUF	6	0	2,595	0	0	432.50 MTBF Series	Development	07/76	08/76
180	Field Data and Operating Time	AUF	686	341	49,969	0	0	72.84 MTBF Functional	Operational	07/83	06/85
180	Field Data and Operating Time	AUF	1,027	0	44,969	0	0	43.78 MTBMA	Operational	07/83	06/85
320	Field Data and Operating Time	AUF	416	638	303,981	0	0	730.72 MTBF Functional	Operational	05/83	04/85
320	Field Data and Operating Time	AUF	1,054	0	303,981	0	0	288.40 MTBMA	Operational	05/83	04/85
320	Field Data and Operating Time	AUF	71	136	53,220	0	0	749.57 MTBF Functional	Operational	05/83	04/85
320	Field Data and Operating Time	AUF	207	0	53,220	0	0	257.10 MTBMA	Operational	05/83	04/85
349	Contract Spec/Requirement	AUF	0	0	0	0	0	600.00 MTBF Series	Development		
349	Analysis & Prediction Report	AU	0	0	0	0	0	832.00 MTBF Series	Development		
349	Field Data and Operating Time	AUF	14	0	2,887	0	0	206.21 MTBF Functional	Operational	01/82	06/82

Radar, Test Circuitry

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
252	Analysis & Prediction Report	GF	0	0	0	0	0	4,100.00 MTBF Series	Development		
252	Field Data and Operating Time	GF	2	0	70,080	0	4	35,040.00 MTBMA	Operational	08/83	07/85
252	Field Data and Operating Time	GF	2	0	70,080	0	4	35,040.00 MTBF Functional	Operational	08/83	07/85

Radar, Transceiver

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
210	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	05/74	05/74
210	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	06/74	06/74
210	Production Sample Verification	AUC	1	0	149	74	0	149.00 MTBF Series	Production	07/74	07/74
210	Production Sample Verification	AUC	6	0	456	228	0	76.00 MTBF Series	Production	08/74	08/74
210	Production Sample Verification	AUC	2	0	315	157	0	157.50 MTBF Series	Production	09/74	09/74
210	Production Sample Verification	AUC	2	0	323	161	0	161.50 MTBF Series	Production	10/74	10/74
210	Production Sample Verification	AUC	3	0	461	230	0	153.66 MTBF Series	Production	11/74	11/74
210	Production Sample Verification	AUC	5	0	401	200	0	80.20 MTBF Series	Production	12/74	12/74
210	Production Sample Verification	AUC	1	0	150	75	0	150.00 MTBF Series	Production	01/75	01/75
211	Production Sample Verification	AUC	3	0	440	220	0	146.66 MTBF Series	Production	03/75	03/75
211	Production Sample Verification	AUC	1	0	230	15	0	230.00 MTBF Series	Production	04/75	04/75
211	Production Sample Verification	AUC	2	0	314	157	0	157.00 MTBF Series	Production	05/75	05/75
211	Production Sample Verification	AUC	0	0	144	72	0	207.79 MTBF Series	Production	06/75	06/75
211	Production Sample Verification	AUC	2	0	148	74	0	74.00 MTBF Series	Production	07/75	07/75
211	Production Sample Verification	AUC	6	0	456	228	0	76.00 MTBF Series	Production	09/75	09/75
211	Production Sample Verification	AUC	0	0	163	81	0	235.20 MTBF Series	Production	10/75	10/75
211	Production Sample Verification	AUC	2	1	158	79	0	79.00 MTBF Series	Production	11/75	11/75
211	Production Sample Verification	AUC	4	0	166	83	0	41.50 MTBF Series	Production	12/75	12/75
211	Production Sample Verification	AUC	4	0	156	78	0	39.00 MTBF Series	Production	01/76	01/76
211	Production Sample Verification	AUC	5	1	161	80	0	32.20 MTBF Series	Production	03/76	03/76
211	Production Sample Verification	AUC	8	0	181	90	0	22.62 MTBF Series	Production	04/76	04/76

Radar, Transmitter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
16	Analysis & Prediction Report	GF	0	0	0	0	0	74.80 MTBF Series	Development	01/74	
16	Field Data and Operating Time	GF	1	55	3,352	0	0	3,352.00 MTBF Functional	Operational	02/76	08/76
16	Field Data and Operating Time	GF	52	4	3,352	0	0	64.46 MTBF Functional	Operational	02/76	08/76
16	Field Data and Operating Time	GF	60	2	17,520	0	0	292.00 MTBF Functional	Operational	08/83	07/85
16	Field Data and Operating Time	GF	62	0	17,520	0	0	282.58 MTBMA	Operational	08/83	07/85
16	Field Data and Operating Time	GF	68	0	17,520	0	0	257.64 MTBM	Operational	08/83	07/85
99	Allocation/Apportion	AUF	0	0	0	0	0	556.00 MTBF Series	Development		
99	Analysis & Prediction Report	AU	0	0	0	0	0	661.00 MTBF Series	Development		
99	Production Sample Verification	AUF	[illegible]	7	257	0	0	257.00 MTBF Series	Production	10/76	01/77

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Radar, Transmitter

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
99	Simulated Operation	AUF	16	0	1,836	0	0	114.75 MTBF Series	Development	07/72	11/74
99	Simulated Operation	AUF	12	0	1,732	0	0	144.33 MTBF Series	Development	04/74	06/75
99	Field Data and Operating Time	AUF	1,317	1,307	178,344	0	0	135.41 MTBF Functional	Operational	05/83	04/85
99	Field Data and Operating Time	AUF	2,624	0	178,344	0	0	67.96 MTBMA	Operational	05/83	04/85
99	Field Data and Operating Time	AUF	999	841	173,620	0	0	173.79 MTBF Functional	Operational	05/83	04/85
99	Field Data and Operating Time	AUF	1,840	0	173,620	0	0	94.35 MTBMA	Operational	05/83	04/85
109	Analysis & Prediction Report	AU	0	0	0	0	0	661.00 MTBF Series	Development	11/73	09/74
109	Demonstration Test Report	AUF	0	6	150	115	0	216.45 MTBF Series	Development	11/73	09/74
109	Simulated Operation	AUF	5	0	0	0	0	0.00 MTBF Series	Development	07/72	11/74
255	Allocation/Apportion	GF	0	0	0	0	0	535.00 MTBF Series	Development		
255	Allocation/Apportion	GF	0	0	0	0	0	110,742.00 MTBF Functional	Development		
255	Analysis & Prediction Report	GF	0	0	0	0	0	290.00 MTBF Series	Development		
255	Analysis & Prediction Report	GF	0	0	0	0	0	174,550.00 MTBF Functional	Development		
255	Field Data and Operating Time	GF	134	0	35,040	0	2	261.49 MTBMA	Operational	08/83	07/85
255	Field Data and Operating Time	GF	81	53	35,040	0	2	432.59 MTBF Functional	Operational	08/83	07/85
319	Field Data and Operating Time	AUF	601	425	303,981	0	0	505.79 MTBF Functional	Operational	05/83	04/85
319	Field Data and Operating Time	AUF	1,026	0	303,981	0	0	296.27 MTBMA	Operational	05/83	04/85
319	Field Data and Operating Time	AUF	118	84	53,220	0	0	451.01 MTBF Functional	Operational	05/83	04/85
319	Field Data and Operating Time	AUF	202	0	53,220	0	0	263.46 MTBMA	Operational	05/83	04/85
375	Analysis & Prediction Report	GF	0	0	0	0	0	4,887.00 MTBF Series	Development		
375	Field Data and Operating Time	GF	309	248	698,880	0	0	2,261.74 MTBF Functional	Operational	05/83	06/85
375	Field Data and Operating Time	GF	557	0	698,880	0	0	1,254.72 MTBMA	Operational	05/83	06/85
375	Field Data and Operating Time	GF	725	0	698,880	0	0	963.97 MTBM	Operational	05/83	06/85

Sonar,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
334	Contract Spec/Requirement	GF	0	0	0	0	0	600.00 MTBF Functional	Development		
334	Contract Spec/Requirement	GF	0	0	0	0	0	200.00 MTBF Series	Development		
334	Analysis & Prediction Report	GF	0	0	0	0	0	125.00 MTBF Series	Development		
334	Analysis & Prediction Report	GF	0	0	0	0	0	816.00 MTBF Functional	Development		
334	Analysis & Prediction Report	NS	0	0	0	0	0	375.00 MTBF Functional	Development		
334	Analysis & Prediction Report	NS	0	0	0	0	0	125.00 MTBF Series	Development		
334	Demonstration Test Report	NS	6	4	3,816	0	2	636.00 MTBF Functional	Development	10/77	02/78

Sonar,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
334	Demonstration Test Report	NS	33	159	3,816	0	2	115.63 MTBF Series	Development	10/77	02/78
334	Field Data and Operating Time	NS	2	25	3,231	0	0	1,615.50 MTBF Functional	Operational	03/78	10/78
334	Field Data and Operating Time	NS	27	0	3,231	0	0	119.66 MTBMA	Operational	03/78	10/78
334	Field Data and Operating Time	NS	15	0	2,512	0	0	167.46 MTBMA	Operational	03/79	09/79
334	Field Data and Operating Time	NS	4	11	2,512	0	0	628.00 MTBF Functional	Operational	03/79	09/79
335	Analysis & Prediction Report	GF	0	0	0	0	0	479.00 MTBF Series	Production		11/79
335	Analysis & Prediction Report	GF	0	0	0	0	0	993.00 MTBF Functional	Production		11/79
335	Analysis & Prediction Report	NS	0	0	0	0	0	200.00 MTBF Series	Production		11/79
335	Analysis & Prediction Report	NS	0	0	0	0	0	536.00 MTBF Functional	Production		11/79

Test Equipment,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
140	Contract Spec/Requirement	GF	0	0	0	0	0	79.00 MTBF Series	Development		
140	Demonstration Test Report	GF	1	1	82	55	0	82.00 MTBF Series	Development	06/75	07/75
140	Field Data and Operating Time	GF	645	790	14,976	0	16	23.21 MTBF Functional	Operational	08/83	07/85
140	Field Data and Operating Time	GF	1,435	0	14,976	0	16	10.43 MTBMA	Operational	08/83	07/85
141	Contract Spec/Requirement	GF	0	0	0	0	0	315.00 MTBF Series	Development		
141	Demonstration Test Report	GF	0	0	220	146	0	317.46 MTBF Series	Development	04/75	05/75
141	Field Data and Operating Time	GF	507	454	14,976	0	16	29.53 MTBF Functional	Operational	08/83	07/85
141	Field Data and Operating Time	GF	961	0	14,976	0	16	15.58 MTBMA	Operational	08/83	07/85
142	Contract Spec/Requirement	GF	0	0	0	0	0	136.00 MTBF Series	Development		
142	Demonstration Test Report	GF	0	1	102	68	0	147.18 MTBF Series	Development	08/74	09/74
142	Field Data and Operating Time	GF	261	230	14,976	0	16	57.37 MTBF Functional	Operational	08/83	07/85
142	Field Data and Operating Time	GF	491	0	14,976	0	16	30.50 MTBMA	Operational	08/83	07/85
143	Simulated Operation	AUF	0	0	3,778	0	0	5,451.65 MTBF Series	Development	07/72	11/74
143	Field Data and Operating Time	AUF	0	0	18,044	0	161	26,037.51 MTBM	Operational	01/77	06/77
143	Field Data and Operating Time	AUF	0	0	24,470	0	203	35,310.24 MTBM	Operational	07/77	12/77
143	Field Data and Operating Time	AUF	0	0	30,705	0	269	44,307.35 MTBM	Operational	01/78	06/78
143	Field Data and Operating Time	AUF	0	0	37,467	0	296	54,064.93 MTBM	Operational	07/78	12/78
143	Field Data and Operating Time	AUF	72	159	178,344	0	0	2 477.00 MTBF Functional	Operational	05/83	04/85
143	Field Data and Operating Time	AUF	231	0	178,344	0	0	772.05 MTBMA	Operational	05/83	04/85
143	Field Data and Operating Time	AUF	104	194	173,620	0	0	1,669.42 MTBF Functional	Operational	05/83	04/85
143	Field Data and Operating Time	AUF	298	0	173,620	0	0	582.61 MTBMA	Operational	05/83	04/85

RELIABILITY DATA BY CATEGORY, EQUIPMENT TYPE

Test Equipment,

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
219	Contract Spec/Requirement	AUF	0	0	0	0	0	850.00 MTBF Series	Development		
219	Contract Spec/Requirement	AUF	0	0	0	0	0	570.00 MTBF Series	Production		
219	Analysis & Prediction Report	AU	0	0	0	0	0	1,494.00 MTBF Series	Development		
219	Demonstration Test Report	AUF	1	2	2,468	2,468	0	2,468.00 MTBF Series	Development	09/73	01/74
219	Production Sample Verification	AUF	1	0	1,666	1,666	0	1,666.00 MTBF Series	Production	11/75	02/76
219	Simulated Operation	AUF	1	1	610	0	0	610.00 MTBF Series	Development	07/72	11/74
219	Field Data and Operating Time	AUF	43	0	18,044	0	161	419.62 MTBM	Operational	01/77	06/77
219	Field Data and Operating Time	AUF	51	0	24,470	0	203	479.80 MTBM	Operational	07/77	12/77
219	Field Data and Operating Time	AUF	5	0	30,705	0	269	6,141.00 MTBM	Operational	01/78	06/78
219	Field Data and Operating Time	AUF	4	0	37,453	0	296	9,363.25 MTBM	Operational	07/78	12/78
219	Field Data and Operating Time	AUF	300	687	178,344	0	0	594.48 MTBF Functional	Operational	05/83	04/85
219	Field Data and Operating Time	AUF	987	0	178,344	0	0	180.69 MTBMA	Operational	05/83	04/85
219	Field Data and Operating Time	AUF	211	342	173,620	0	0	822.84 MTBF Functional	Operational	05/83	04/85
219	Field Data and Operating Time	AUF	553	0	173,620	0	0	313.96 MTBMA	Operational	05/83	04/85

Test Equipment, Indicator/Control

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
144	Simulated Operation	AUF	0	0	3,778	0	0	5,451.65 MTBF Series	Development	07/72	11/74

Test Equipment, Memory

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
221	Demonstration Test Report	AUF	0	0	1,811	3,125	0	2,613.27 MTBF Series	Development	09/73	01/74
221	Production Sample Verification	AUF	0	0	1,764	1,568	0	2,545.45 MTBF Series	Production	11/75	02/76
221	Simulated Operation	AUF	0	1	610	0	0	880.23 MTBF Series	Development	07/72	11/74
221	Field Data and Operating Time	AUF	115	295	178,344	0	0	1,550.81 MTBF Functional	Operational	05/83	04/85
221	Field Data and Operating Time	AUF	410	0	178,344	0	0	434.98 MTBMA	Operational	05/83	04/85
221	Field Data and Operating Time	AUF	83	144	173,620	0	0	2,091.80 MTBF Functional	Operational	05/83	04/85
221	Field Data and Operating Time	AUF	228	0	173,620	0	0	761.49 MTBMA	Operational	05/83	04/85

Test Equipment, Signal/Data

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVANT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
220	Demonstration Test Report	AUF	1	12	2,468	2,468	0	2,468.00 MTBF Series	Development	09/73	01/74
220	Production Sample Verification	AUF	1	0	1,666	1,666	0	1,666.00 MTBF Series	Production	11/75	02/76
220	Simulated Operation	AUF	1	0	610	0	0	610.00 MTBF Series	Development	07/72	11/74
220	Field Data and Operating Time	AUF	134	214	178,344	0	0	1,330.92 MTBF Functional	Operational	05/83	04/85
220	Field Data and Operating Time	AUF	348	0	178,344	0	0	512.48 MTBMA	Operational	05/83	04/85
220	Field Data and Operating Time	AUF	109	117	173,620	0	0	1,592.84 MTBF Functional	Operational	05/83	04/85
220	Field Data and Operating Time	AUF	226	0	173,622	0	0	768.23 MTBMA	Operational	05/83	04/85

Test Equipment, Transducer

EQUIP ID	DATA SOURCE	APP ENV	FAILURES RELEVENT	FAILURES NON-REL	TEST HOURS OPERATE	TEST HOURS NON-OP	SAMPLE SIZE	NUMERIC PARAMETER	PROGRAM PHASE	TEST DATE START	TEST DATE END
145	Simulated Operation	AUF	0	0	3,778	0	0	5,451.65 MTBF Series	Development	07/72	11/74

EQUIPMENT CHARACTERIZATION DATA

EQUIPMENT CHARACTERIZATION DATA

The following section contains detailed listings of equipment characterization data contained in the System RAM automated data base. Included are the following types of data, when known:

Equipment ID Number
Program ID Number
Category
Equipment Type
Derating Guidelines
Self Test Capability
Replacement Level
Design Approach/Technology
Implementation
Equipment Active Element Count
Fault Control
Cooling
Fault Tolerance
Screen Class
Major Parameters

Each type of data presented above is described in further detail in the following pages.

The format used in presenting the detailed data for this section provides for two records per page organized by Equipment Identification Number. The phrase "Not Reported" is used to illustrate data types that are not known at this time. For data types with more than one possible description, an "X" is used to designate appropriate choices.

USER'S GUIDE

The description below applies to the computer listings in this section. The data presented are the types of data that are considered when characterizing an equipment.

Equipment ID:

Indicates the equipment identification number.

Program ID:

Indicates the reference number assigned to the contract.

Category:

Denotes the general functional purpose of an equipment as usually defined at the Set Equipment Level. The categories considered are:

Computer
Controls/Displays
Electronic Countermeasures/Electronic Warfare
Guidance/Navigation
Test Equipment
Radar
Weapons
Communications

Equipment Type:

Denotes the specific functional purpose of the type of equipment as usually defined at the Group or Unit Equipment Level. The equipment types considered are:

Power Supply	Multiplexer/Demultiplexer
Transmitter	Interconnection/Distribution
Receiver	Converter D/A or A/D
Transceiver	Filter
Antenna	Inertial Reference
Amplifier, Audio	Stellar Reference
Amplifier, RF	Frequency/Timing Generator
Amplifier, Video	Cooling/Pressurizing
Computer	Test Circuitry
Memory	Alarm
I/O Device	Signal/Data Processor
Indicator/Control	Miscellaneous
Modulator/Demodulator	Transducer
Coder/Decoder	

Derating Guidelines:

Indicates the level of stress derating employed in the equipment design. The levels considered are:

High Reliability

Intermediate: "stress" derating practices less stringent than those employed on high-reliability designs but more stringent than commercial design practices.

Commercial Design Standards

Self Test Capability:

The highest applicable level of self test technology employed in the design is listed. The levels considered are:

Automated BIT
Semiautomated BIT
Manual BIT
None

Replacement Level:

Lists the lowest functional level to which a failure or malfunction is capable of being diagnosed and the defective item replaced. The levels considered are:

Equipment
Unit (LRU/PRU)
Assembly (SRU)
Piece Part

Design Approach/Technology:

Design approaches and technologies consist of significant design approaches and special technological features used to describe the equipment.

Implementation

Indicates the hardware techniques employed in the implementation of self test in the design. The techniques considered are:

General Purpose Computer
BIT Microprocessor
Software Controlled
Hardware Controlled
Automated Printout
Manual Read Panel

Screen Class

All levels of quality assurance provisions applicable to part procurements for this design are indicated. The levels considered are:

JANTXV: JANTXV-grade semiconductors and JAN 38510 ICs

JANTX: JANTX-grade semiconductors and MIL-STD-883 screened ICs

JAN: JAN-grade semiconductors and hermetically sealed ICs

Commercial: Commercial-grade semiconductors and plastic encapsulated ICs

Major Parameters:

The applicable parameters of a design are entered. Each category has its unique set of parameters.

Active Element Count:

A measure of the complexity of the equipment. Quantities of the following categories are presented:

Number of Hybrid Microcircuits
Number of Monolithic Linear/Interface ICs
Number of SSI/MSI Digital ICs
Number of LSI/Memory ICs
Number of Microprocessors
Number of Total ICs (including Hybrids)
Number of Tubes
Number of Discrete Semiconductors
Total Number of Active Elements

Fault Control:

Indicates each of the recovery techniques used to initiate fault control in the equipment and the methodology used in implementing each of the techniques. The techniques considered are:

Automated On Line
Automated Off Line
Manual

Cooling:

Lists the type of cooling employed in the design. The types of cooling considered are:

Ambient Air (Normal Convection)
Forced Air (Fan)
Liquid

Fault Tolerance:

Indicates the methodologies employed to alleviate the consequences of failure. The fault tolerance methods considered are:

Redundant Channels (or Equipment)
Graceful Degrading
Degraded Modes
None

	IMPLEMENTATION	FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID 1	General Purpose Computer	Automated ON line	Weight
PROGRAM ID	BIT Microprocessor	Automated OFF line	Volume
CATEGORY Computer	Software Controlled	Manual	Height
EQUIPMENT TYPE I/O Device	Hardware Controlled	COOLING	Width
DERATING GUIDELINES Not Reported	Automated Print Out	Ambient Air	Depth
SELF TEST CAPABILITY Not Reported	Manual Read Panel	Forced Air	Power
REPLACEMENT LEVEL Not Reported		Liquid	Modules
			Input Rate
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Output Rate
Keyboard Entry	Hybrid 0	Redundant Channels	# of Keys 79
Light Pen	Linear/Interface 0	Graceful Degrading X	# of Controls
Non-Interactive	Digital SSI/MSI 0	Degraded Modes X	Resolution
Printer	Digital LSI & Memory 0	None	# of Lines
	Microprocessor 0	SCREEN CLASS	# of Characters/Line
	Total IC'S 0	JAN TXV	Display Area
	Tubes 0	JAN TX	Display Diagonal
	Discretes 0	JAN Grade X	# of Annunciators
	TOTAL ELEMENTS Not Reported	Commercial Grade X	Input Volts

	IMPLEMENTATION	FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID 2	General Purpose Computer	Automated ON line	Weight
PROGRAM ID	BIT Microprocessor	Automated OFF line	Volume
CATEGORY Computer	Software Controlled	Manual	Height
EQUIPMENT TYPE	Hardware Controlled	COOLING	Width
DERATING GUIDELINES Not Reported	Automated Print Out	Ambient Air	Depth
SELF TEST CAPABILITY Not Reported	Manual Read Panel	Forced Air	Power
REPLACEMENT LEVEL Not Reported		Liquid	Modules
			Clock Frequency
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Word Length 60
Digital	Hybrid 0	Redundant Channels	Memory Size 1.3E5
General Purpose	Linear/Interface 0	Graceful Degrading X	Interrupt Levels
Magnetic Core	Digital SSI/MSI 0	Degraded Modes X	# of Busses
Magnetic Disk Pack	Digital LSI & Memory 0	None	Memory I/O Rate
Other Magnetic Tape	Microprocessor 0	SCREEN CLASS	# of Registers
	Total IC'S 0	JAN TXV	# of Accumulators
	Tubes 0	JAN TX	# of Input Ports 5
	Discretes 0	JAN Grade X	# of Output Ports 2
	TOTAL ELEMENTS Not Reported	Commercial Grade X	

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		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	4	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	60
Digital		Hybrid	207	Redundant Channels		Memory Size	1.3E5
General Purpose		Linear/Interface	0	Graceful Degrading	X	Interrupt Levels	
Int Processor Mag Core Memory		Digital SSI/MSI	0	Degraded Modes	X	Memory I/O Rate	
Magnetic Disk Pack		Digital LSI & Memory	0	None		# of Busses	
Other Magnetic Tape		Microprocessor	0	SCREEN CLASS		# of Registers	
		Total IC'S	3,865	JAN TXV		# of Accumulators	
		Tubes	11	JAN TX		# of Input Ports	5
		Discretes	3,630	JAN Grade	X	# of Output Ports	2
		TOTAL ELEMENTS	7,506	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	5	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						Frequency Band	L
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	999.9
Doppler		Hybrid	0	Redundant Channels		Peak RF Power	1.5E7
Electronically Steerable		Linear/Interface	0	Graceful Degrading	X	Average RF Power	9.2E5
Pulse Compression		Digital SSI/MSI	0	Degraded Modes	X	PRF	400
Surveillance/Search		Digital LSI & Memory	0	None		AZ Coverage/Angle	120.0
Tracking		Microprocessor	0	SCREEN CLASS		Scan Rate	
Traveling Wave Tube		Total IC'S	0	JAN TXV	X	Polarization	V
		Tubes	0	JAN TX	X	Beam Width	0.6
		Discretes	0	JAN Grade	X	Elev. Coverage/Angle	80.0
		TOTAL ELEMENTS	Not Reported	Commercial Grade	X	Target Size	0.1
						Antenna Gain	48.2

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	6	General Purpose Computer		Automated ON line		Weight	2711
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.2E2
CATEGORY	Radar	Software Controlled		Manual		Height	78
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	168
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	29
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	7.5E3
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	379
						Clock Frequency	5.0E6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	24
Dedicated		Hybrid	411	Redundant Channels		Memory Size	3.1E2
Digital		Linear/Interface	1,186	Graceful Degrading		Interrupt Levels	
Internal Semiconductor Memory		Digital SSI/MSI	5,741	Degraded Modes		Memory I/O Rate	
Surveillance/Search		Digital LSI & Memory	48	None		# of Busses	
Tracking		Microprocessor	0	SCREEN CLASS		# of Registers	
Traveling Wave Tube		Total IC'S	7,386	JAN TXV		# of Accumulators	
		Tubes	0	JAN TX		# of Input Ports	
		Discretes	33,167	JAN Grade	X	# of Output Ports	
		TOTAL ELEMENTS	40,553	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	7	General Purpose Computer		Automated ON line		Weight	888
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	7.9E1
CATEGORY	Radar	Software Controlled		Manual		Height	78
EQUIPMENT TYPE	Memory	Hardware Controlled		COOLING		Width	60
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	29
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	1.5E3
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	308
						Clock Frequency	5.0E6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Retrieval Time	65
Non Volatile		Hybrid	316	Redundant Channels		Word Length	24
Semiconductor		Linear/Interface	123	Graceful Degrading		Memory Size	3.1E2
Serial		Digital SSI/MSI	2,379	Degraded Modes		I/O Rate	
Surveillance/Search		Digital LSI & Memory	48	None			
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	2,866	JAN TXV			
		Tubes	0	JAN TX			
		Discretes	253	JAN Grade	X		
		TOTAL ELEMENTS	3,119	Commercial Grade			

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID 8	General Purpose Computer	Automated ON line	Weight	
PROGRAM ID	BIT Microprocessor	Automated OFF line	Volume	
CATEGORY Radar	Software Controlled	Manual	Height	
EQUIPMENT TYPE Frequency/Timing Gen.	Hardware Controlled	COOLING	Width	
DERATING GUIDELINES Not Reported	Automated Print Out	Ambient Air	Depth	
SELF TEST CAPABILITY Not Reported	Manual Read Panel	Forced Air	Power	
REPLACEMENT LEVEL Not Reported		Liquid	Modules	
			Referency Frequency	
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Frequency Drift	
Not Reported	Hybrid 0	Redundant Channels	Output Frequency	
Semiconductor	Linear/Interface 0	Graceful Degrading	Output Voltage	
Serial	Digital SSI/MSI 0	Degraded Modes	Output Impedance	
Surveillance/Search	Digital LSI & Memory 0	None		
Tracking	Microprocessor 0	SCREEN CLASS		
Traveling Wave Tube	Total IC'S 0	JAN TXV		
	Tubes 0	JAN TX		
	Discretes 0	JAN Grade X		
	TOTAL ELEMENTS Not Reported	Commercial Grade X		

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID 9	General Purpose Computer	Automated ON line	Weight	1823
PROGRAM ID	BIT Microprocessor	Automated OFF line	Volume	1.4E2
CATEGORY Radar	Software Controlled	Manual	Height	78
EQUIPMENT TYPE Signal/Data	Hardware Controlled	COOLING	Width	108
DERATING GUIDELINES Not Reported	Automated Print Out	Ambient Air	Depth	29
SELF TEST CAPABILITY Not Reported	Manual Read Panel	Forced Air X	Power	6.0E3
REPLACEMENT LEVEL Assembly (SRU)		Liquid	Modules	71
			Clock Frequency	
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Word Length	18
Dedicated	Hybrid 95	Redundant Channels	Memory Size	
Digital	Linear/Interface 1,063	Graceful Degrading	Interrupt Levels	
Internal Semiconductor Memory	Digital SSI/MSI 3,362	Degraded Modes	Memory I/O Rate	
Surveillance/Search	Digital LSI & Memory 0	None	# of Busses	
Tracking	Microprocessor 0	SCREEN CLASS	# of Registers	
Traveling Wave Tube	Total IC'S 4,520	JAN TXV	# of Accumulators	
	Tubes 0	JAN TX	# of Input Ports	
	Discretes 32,914	JAN Grade X	# of Output Ports	
	TOTAL ELEMENTS 37,434	Commercial Grade X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	10	General Purpose Computer	X	Automated ON line		Weight	2481
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled	X	Manual		Height	
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air	X	Power	1.9E4
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	442
						Clock Frequency	1.0E7
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	150
Dedicated		Hybrid	317	Redundant Channels		Memory Size	1.0E3
Digital		Linear/Interface	64	Graceful Degrading		Interrupt Levels	
Int Processor Mag Core Memory		Digital SSI/MSI	21,047	Degraded Modes		Memory I/O Rate	
Surveillance/Search		Digital LSI & Memory	5,377	None		# of Busses	9
Tracking		Microprocessor	0	SCREEN CLASS		# of Registers	2
Traveling Wave Tube		Total IC'S	26,805	JAN TXV		# of Accumulators	
		Tubes	0	JAN TX		# of Input Ports	2
		Discretes	619	JAN Grade	X	# of Output Ports	3
		TOTAL ELEMENTS	27,424	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	11	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E2
CATEGORY	Radar	Software Controlled		Manual		Height	78
EQUIPMENT TYPE	Converter	Hardware Controlled		COOLING		Width	72
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	32
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						# of Bits	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	6.0E6
Discrete Components		Hybrid	236	Redundant Channels		Freq. Band Input	L
Frequency Converter		Linear/Interface	141	Graceful Degrading		Freq. Band Output	VHF
Hybrid		Digital SSI/MSI	900	Degraded Modes			
Monolithic		Digital LSI & Memory	2	None			
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	1,279	JAN TXV			
		Tubes	0	JAN TX			
		Discretes	77	JAN Grade	X		
		TOTAL ELEMENTS	1,356	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	12	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	1134
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	2278
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	30720
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	L
Fixed		Hybrid	971	Redundant Channels		Polarization	V
Frequency Converter		Linear/Interface	237	Graceful Degrading	X	Gain	48.2
Hybrid		Digital SSI/MSI	520	Degraded Modes	X	Effective Area	
Monolithic		Digital LSI & Memory	0	None		Beam Width	0.6
Tracking		Microprocessor	0	SCREEN CLASS		Azimuth Scan Rate	
Traveling Wave Tube		Total IC'S	1,728	JAN TXV		Elevation Scan Rate	
		Tubes	0	JAN TX		Scan Sector Width	
		Discretes	650	JAN Grade	X		
		TOTAL ELEMENTS	2,378	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	13	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	L
Pulse		Hybrid	555	Redundant Channels		Gain	48.2
Tube		Linear/Interface	225	Graceful Degrading		Peak Power Out	1.5E7
Hybrid		Digital SSI/MSI	471	Degraded Modes		Average Power Out	1.0E6
Monolithic		Digital LSI & Memory	0	None		Duty Cycle	
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	1,251	JAN TXV			
		Tubes	0	JAN TX			
		Discretes	488	JAN Grade	X		
		TOTAL ELEMENTS	1,739	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	14	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	L
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Tube		Hybrid	321	Redundant Channels		Peak Power Out	
Tube		Linear/Interface	8	Graceful Degrading		Average Power Out	
Hybrid		Digital SSI/MSI	16	Degraded Modes		Duty Cycle	
Monolithic		Digital LSI & Memory	0	None			
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	345	JAN TXV			
		Tubes	0	JAN TX			
		Discretes	73	JAN Grade	X		
		TOTAL ELEMENTS	418	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	15	General Purpose Computer	X	Automated ON line		Weight	1024
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	7.9E1
CATEGORY	Radar	Software Controlled	X	Manual		Height	78
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	60
DERATING GUIDELINES	Not Reported	Automated Print Out	X	Ambient Air		Depth	29
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	1.5E3
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	74
						Clock Frequency	2.0E7
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	18
Dedicated		Hybrid	264	Redundant Channels		Memory Size	
Digital		Linear/Interface	121	Graceful Degrading		Interrupt Levels	
Int Processor Mag Core Memory		Digital SSI/MSI	2,941	Degraded Modes		Memory I/O Rate	
Synchronous		Digital LSI & Memory	0	None		# of Busses	
Tracking		Microprocessor	0	SCREEN CLASS		# of Registers	
Traveling Wave Tube		Total IC'S	3,326	JAN TXV		# of Accumulators	
		Tubes	0	JAN TX		# of Input Ports	3
		Discretes	261	JAN Grade	X	# of Output Ports	4
		TOTAL ELEMENTS	3,587	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	16	General Purpose Computer		Automated ON line		Weight	99999
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.3E4
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Transmitter	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	9.2E5
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	986
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	L
Radar		Hybrid	79	Redundant Channels		Peak Power Out	1.5E7
Solid State		Linear/Interface	156	Graceful Degrading	X	Average Power Out	9.2E5
Traveling Wave Tube		Digital SSI/MSI	147	Degraded Modes	X	# of Simultaneous Channels	
Tube		Digital LSI & Memory	0	None		Channel Width	
Tracking		Microprocessor	0	SCREEN CLASS		Pulse Repetition Frequency	30
Traveling Wave Tube		Total IC'S	382	JAN TXV	X	Digital Data Rate	
		Tubes	108	JAN TX	X	# of Selectable Frequencies	
		Discretes	18,722	JAN Grade	X	Frequency Stability	
		TOTAL ELEMENTS	19,212	Commercial Grade		Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	17	General Purpose Computer		Automated ON line		Weight	12000
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.3E2
CATEGORY	Radar	Software Controlled		Manual		Height	90
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	60
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	40
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	7
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	L
Nonlinear		Hybrid	1	Redundant Channels		Gain	
Pulse		Linear/Interface	0	Graceful Degrading	X	Peak Power Out	
Tube		Digital SSI/MSI	0	Degraded Modes	X	Average Power Out	1.6E5
Tube		Digital LSI & Memory	0	None		Duty Cycle	
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	1	JAN TXV			
		Tubes	8	JAN TX			
		Discretes	97	JAN Grade	X		
		TOTAL ELEMENTS	106	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	18	General Purpose Computer		Automated ON line		Weight	450
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.4E2
CATEGORY	Radar	Software Controlled		Manual		Height	90
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	62
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	42
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	14
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	2	Redundant Channels		# of Keys	
Manual		Linear/Interface	0	Graceful Degrading		# of Controls	14
Meter		Digital SSI/MSI	0	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None		# of Lines	
Tracking		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Traveling Wave Tube		Total IC'S	2	JAN TXV		Display Area	
		Tubes	0	JAN TX	X	Display Diagonal	
		Discretes	205	JAN Grade	X	# of Annunciators	6
		TOTAL ELEMENTS	207	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	19	General Purpose Computer		Automated ON line		Weight	9000
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.6E2
CATEGORY	Radar	Software Controlled		Manual		Height	108
EQUIPMENT TYPE	Modulator/Demodulator	Hardware Controlled		COOLING		Width	96
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	44
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	27
						Carrier Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Modulation Rate	
Radio Frequency		Hybrid	1	Redundant Channels		Modulation Baud Rate	
Tube		Linear/Interface	8	Graceful Degrading		PRF	
Meter		Digital SSI/MSI	0	Degraded Modes		Peak Volts Output	
Visual		Digital LSI & Memory	0	None		# of Combined Signal	
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	9	JAN TXV			
		Tubes	1	JAN TX			
		Discretes	691	JAN Grade	X		
		TOTAL ELEMENTS	701	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	20	General Purpose Computer		Automated ON line		Weight	6000
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.4E2
CATEGORY	Radar	Software Controlled		Manual		Height	90
EQUIPMENT TYPE	Modulator/Demodulator	Hardware Controlled		COOLING		Width	64
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	42
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	22
						Carrier Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Modulation Rate	
Radio Frequency		Hybrid	2	Redundant Channels		Modulation Baud Rate	
Tube		Linear/Interface	0	Graceful Degrading		PRF	
Meter		Digital SSI/MSI	0	Degraded Modes		Peak Volts Output	
Visual		Digital LSI & Memory	0	None		# of Combined Signal	
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	2	JAN TXV			
		Tubes	0	JAN TX			
		Discretes	512	JAN Grade	X		
		TOTAL ELEMENTS	514	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	21	General Purpose Computer		Automated ON line		Weight	9000
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.6E2
CATEGORY	Radar	Software Controlled		Manual		Height	108
EQUIPMENT TYPE	Modulator/Demodulator	Hardware Controlled		COOLING		Width	96
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	44
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	44
						Carrier Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Modulation Rate	
Radio Frequency		Hybrid	1	Redundant Channels		Modulation Baud Rate	
Tube		Linear/Interface	8	Graceful Degrading		PRF	
Meter		Digital SSI/MSI	0	Degraded Modes		Peak Volts Outout	
Visual		Digital LSI & Memory	0	None		# of Combined Signal	
Tracking		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	9	JAN TXV			
		Tubes	1	JAN TX			
		Discretes	691	JAN Grade	X		
		TOTAL ELEMENTS	701	Commercial Grade			

EQUIPMENT ID		General Purpose Computer	Automated ON line	Weight	850
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	7.0E3
CATEGORY	Radar	Software Controlled	Manual	Height	90
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	COOLING	Width	33
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	30
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air X	Power	
REPLACEMENT LEVEL	Assembly (SRU)		Liquid	Modules	8
				Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Output Rate	
Electromechanical		Hybrid 7	Redundant Channels	# of Keys	
Manual		Linear/Interface 60	Graceful Degrading	# of Controls	6
Meter		Digital SSI/MSI 147	Degraded Modes	Resolution	
Multicolor		Digital LSI & Memory 0	None	# of Lines	
Visual		Microprocessor 0	SCREEN CLASS	# of Characters/Line	
Traveling Wave Tube		Total IC'S 214	JAN TXV	Display Area	
		Tubes 0	JAN TX	Display Diagonal	
		Discretes 194	JAN Grade X	# of Annunciators	162
		TOTAL ELEMENTS 408	Commercial Grade X	Input Volts	

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	23	General Purpose Computer	Automated ON line		Weight	850
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	7.0E3
CATEGORY	Radar	Software Controlled	Manual		Height	90
EQUIPMENT TYPE	Power Supply	Hardware Controlled	COOLING		Width	32
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air		Depth	42
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air		Power	
REPLACEMENT LEVEL	Not Reported		Liquid X		Modules	2
					# of Outputs	3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Voltage Out # 1	9100
AC Input		Hybrid 0	Redundant Channels		Voltage Out # 2	2900
DC Output		Linear/Interface 0	Graceful Degrading		Voltage Out # 3	4000
Fixed Voltage Output		Digital SSI/MSI 0	Degraded Modes		Current Out # 1	
Over 150 Volts		Digital LSI & Memory 0	None		Current Out # 2	
Solid State		Microprocessor 0	SCREEN CLASS		Current Out # 3	
Traveling Wave Tube		Total IC'S 0	JAN TXV X		Percent Regulation 1	
		Tubes 0	JAN TX X		Percent Regulation 2	
		Discretes 29	JAN Grade		Percent Regulation 3	
		TOTAL ELEMENTS 29	Commercial Grade		Input Frequency	60
					Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETEPS	
EQUIPMENT ID	24	General Purpose Computer		Automated ON line		Weight	~50
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	3.5E1
CATEGORY	Radar	Software Controlled		Manual		Height	72
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	28
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	30
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	0	Graceful Degrading		# of Controls	5
Fixed Voltage Output		Digital SSI/MSI	0	Degraded Modes		Resolution	
Over 150 Volts		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Traveling Wave Tube		Total IC'S	0	JAN TXV		Display Area	
		Tubes	0	JAN TX	X	Display Diagonal	
		Discretes	10	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	10	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	25	General Purpose Computer		Automated ON line		Weight	47
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.9E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	29
						Position Accuracy	1.8E3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	3.9E2
Infrared		Hybrid	0	Redundant Channels		Way Points	
Radio		Linear/Interface	114	Graceful Degrading		Destinations	
Fixed Voltage Output		Digital SSI/MSI	309	Degraded Modes		Velocity Accuracy	
Over 150 Volts		Digital LSI & Memory	0	None		Height Accuracy	
Solid State		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Traveling Wave Tube		Total IC'S	423	JAN TXV		Frequency Band	UHF
		Tubes	3	JAN TX	X		
		Discretes	433	JAN Grade			
		TOTAL ELEMENTS	859	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	26	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	[illegible]
CATEGORY	Radar	Software Controlled		Manual		Height	[illegible]
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	[illegible]
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	[illegible]
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	[illegible]
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	2	Graceful Degrading		# of Controls	[illegible]
Fixed Voltage Output		Digital SSI/MSI	5	Degraded Modes		Resolution	
Over 150 Volts		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Traveling Wave Tube		Total IC'S	7	JAN TXV		Display Area	
		Tubes	0	JAN TX	X	Display Diagonal	
		Discretes	23	JAN Grade		# of Annunciators	
		TOTAL ELEMENTS	30	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	27	General Purpose Computer		Automated ON line		Weight	[illegible]
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	[illegible]
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	[illegible]
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	[illegible]
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	[illegible]
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	[illegible]
						# of Signals	[illegible]
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Active		Hybrid	0	Redundant Channels		Power Level	
Bite		Linear/Interface	58	Graceful Degrading			
Power		Digital SSI/MSI	19	Degraded Modes			
Signal		Digital LSI & Memory	0	None			
Solid State		Microprocessor	0	SCREEN CLASS			
Traveling Wave Tube		Total IC'S	77	JAN TXV			
		Tubes	0	JAN TX	X		
		Discretes	98	JAN Grade			
		TOTAL ELEMENTS	175	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	28	General Purpose Computer		Automated ON line		Weight	27
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	15
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	18
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Digital Data		Hybrid	0	Redundant Channels		Average Power Out	
Pulse Code Modulated		Linear/Interface	54	Graceful Degrading		# of Selectable Frequencies	252
Solid State		Digital SSI/MSI	285	Degraded Modes		Frequency Stability	
Transponder		Digital LSI & Memory	0	None		Digital Data Rate	
Tube		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Variable Frequency		Total IC'S	339	JAN TXV		Pulse Repetition Frequency	1.1E3
		Tubes	3	JAN TX	X		
		Discretes	312	JAN Grade			
		TOTAL ELEMENTS	654	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	29	General Purpose Computer		Automated ON line		Weight	90
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.4E0
CATEGORY	Communications	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Modulator/Demodulator	Hardware Controlled		COOLING		Width	19
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	22
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	29
						Carrier Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Modulation Rate	1.5E5
Digital		Hybrid	25	Redundant Channels		Modulation Baud Rate	
Frequency Division Multiplex		Linear/Interface	64	Graceful Degrading		PRF	
Radio Frequency		Digital SSI/MSI	620	Degraded Modes		Peak Volts Output	
Secure		Digital LSI & Memory	65	None		# of Combined Signal	7
Solid State		Microprocessor	0	SCREEN CLASS			
Variable Frequency		Total IC'S	774	JAN TXV	X		
		Tubes	0	JAN TX	X		
		Discretes	482	JAN Grade			
		TOTAL ELEMENTS	1,256	Commercial Grade			

		IMPLEMENTATION	FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	30	General Purpose Computer	Automated ON line	Weight	1
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled	Manual	Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	COOLING	Width	2
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power	1.3E1
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	4
				Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Output Rate	
Keyboard Entry		Hybrid 0	Redundant Channels	# of Keys	
Visual		Linear/Interface 1	Graceful Degrading	# of Controls	
Radio Frequency		Digital SSI/MSI 0	Degraded Modes	Resolution	
Secure		Digital LSI & Memory 0	None	# of Lines	
Solid State		Microprocessor 0	SCREEN CLASS	# of Characters/Line	
Variable Frequency		Total IC'S 1	JAN TXV	Display Area	
		Tubes 0	JAN TX	Display Diagonal	
		Discretes 26	JAN Grade X	# of Annunciators	
		TOTAL ELEMENTS 27	Commercial Grade	Input Volts	

		IMPLEMENTATION	FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	31	General Purpose Computer	Automated ON line	Weight	2
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled	Manual	Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	COOLING	Width	2
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power	2.0E1
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	6
				Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Output Rate	
Alphanumeric		Hybrid 0	Redundant Channels	# of Keys	
Automatic		Linear/Interface 6	Graceful Degrading	# of Controls	
Electromechanical		Digital SSI/MSI 0	Degraded Modes	Resolution	
Meter		Digital LSI & Memory 0	None	# of Lines	
Servo		Microprocessor 0	SCREEN CLASS	# of Characters/Line	
Visual		Total IC'S 6	JAN TXV	Display Area	
		Tubes 0	JAN TX	Display Diagonal	
		Discretes 50	JAN Grade X	# of Annunciators	4
		TOTAL ELEMENTS 56	Commercial Grade	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	32	General Purpose Computer		Automated ON line		Weight	6
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	9.0E0
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	7	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	0	Graceful Degrading		# of Controls	2
Graphic		Digital SSI/MSI	0	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	0	None		# of Lines	
Servo		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	7	JAN TXV		Display Area	
		Tubes	0	JAN TX		Display Diagonal	
		Discretes	1	JAN Grade	X	# of Annunciators	3
		TOTAL ELEMENTS	8	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	33	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.9E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Automatic		Linear/Interface	4	Graceful Degrading		# of Controls	1
Electromechanical		Digital SSI/MSI	0	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	0	None		# of Lines	
Servo		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	4	JAN TXV		Display Area	8
		Tubes	0	JAN TX	X	Display Diagonal	3
		Discretes	48	JAN Grade		# of Annunciators	4
		TOTAL ELEMENTS	52	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	34	General Purpose Computer		Automated ON line		Weight	18
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Inertial Reference	Hardware Controlled		COOLING		Width	9
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	10
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	2.6E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	15
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Velocity Accuracy	
Analog		Hybrid	38	Redundant Channels		Heading Accuracy	
Digital		Linear/Interface	53	Graceful Degrading	X	Range	
Electrically Driven Gyro		Digital SSI/MSI	232	Degraded Modes		Drift Rate	
Electrolytic Accelerometer		Digital LSI & Memory	0	None		# of Gimbals	2
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Gyros	1
Visual		Total IC'S	323	JAN TXV		# of Accelerometers	1
		Tubes	0	JAN TX			
		Discretes	198	JAN Grade	X		
		TOTAL ELEMENTS	521	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	35	General Purpose Computer		Automated ON line		Weight	40
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.9E0
CATEGORY	Computer	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	13
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	16
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	3.0E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	13
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	34
Digital		Hybrid	8	Redundant Channels		Memory Size	2.4E4
General Purpose		Linear/Interface	358	Graceful Degrading		Interrupt Levels	16
Int Processor Mag Core Memory		Digital SSI/MSI	921	Degraded Modes		Memory I/O Rate	
Parallel		Digital LSI & Memory	12	None		# of Busses	4
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Registers	
Visual		Total IC'S	1,299	JAN TXV		# of Accumulators	16
		Tubes	0	JAN TX	X	# of Input Ports	16
		Discretes	147	JAN Grade		# of Output Ports	4
		TOTAL ELEMENTS	1,446	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	36	General Purpose Computer		Automated ON line		Weight	12
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual	Fault Detection	Height	7
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	5.2E1
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	10
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	15	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	29	Graceful Degrading		# of Controls	17
Manual		Digital SSI/MSI	96	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	10	None	X	# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	150	JAN TXV	X	Display Area	
		Tubes	0	JAN TX	X	Display Diagonal	
		Discretes	200	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	350	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	37	General Purpose Computer		Automated ON line		Weight	12
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual	Fault Detection	Height	7
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	5.0E1
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	10
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	15	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	39	Graceful Degrading		# of Controls	17
Manual		Digital SSI/MSI	89	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	0	None	X	# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	143	JAN TXV	X	Display Area	
		Tubes	0	JAN TX	X	Display Diagonal	
		Discretes	227	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	370	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	38	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual	Fault Detection	Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	1.5E1
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	4
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	1	Graceful Degrading		# of Controls	9
Manual		Digital SSI/MSI	11	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	0	None	X	# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	12	JAN TXV	X	Display Area	
		Tubes	0	JAN TX	X	Display Diagonal	
		Discretes	56	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	68	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	39	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual	Fault Detection	Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	6.0E0
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	2
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	0	Graceful Degrading		# of Controls	6
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	0	None	X	# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	0	JAN TXV		Display Area	
		Tubes	0	JAN TX		Display Diagonal	
		Discretes	0	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	40	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	1.1E1
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	3
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	1	Graceful Degrading		# of Controls	5
Manual		Digital SSI/MSI	6	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	0	None	X	# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	7	JAN TXV	X	Display Area	
		Tubes	0	JAN TX	X	Display Diagonal	
		Discretes	21	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	28	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	41	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual	Fault Detection	Height	4
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	2
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	2.1E1
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	2
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	0	Graceful Degrading		# of Controls	13
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	0	None	X	# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	0	JAN TXV		Display Area	
		Tubes	0	JAN TX		Display Diagonal	
		Discretes	0	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	42	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual	Fault Detection	Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.3E1
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	2
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	0	Graceful Degrading		# of Controls	3
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	0	None	X	# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	0	JAN TXV		Display Area	
		Tubes	0	JAN TX		Display Diagonal	
		Discretes	0	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	43	General Purpose Computer		Automated ON line		Weight	15
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	0.3E0
CATEGORY	Computer	Software Controlled	X	Manual	Reconfiguration	Height	11
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	8
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	8.0E1
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	16
						Clock Frequency	2.0E6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	16
Analog		Hybrid	0	Redundant Channels		Memory Size	1.1E3
Dedicated		Linear/Interface	42	Graceful Degrading		Interrupt Levels	2
Digital		Digital SSI/MSI	217	Degraded Modes		# of Busses	2
Error Correction		Digital LSI & Memory	18	None	X	Memory I/O Rate	
Parallel		Microprocessor	0	SCREEN CLASS		# of Registers	6
Parity Checking		Total IC'S	277	JAN TXV		# of Accumulators	2
Semiconductor		Tubes	0	JAN TX		# of Input Ports	16
Serial		Discretes	188	JAN Grade	X	# of Output Ports	16
		TOTAL ELEMENTS	465	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	44	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	9
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.8E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	8	Graceful Degrading		# of Controls	1
Meter		Digital SSI/MSI	37	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	5	None		# of Lines	
Parallel		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Parity Checking		Total IC'S	50	JAN TXV		Display Area	
Semiconductor		Tubes	0	JAN TX		Display Diagonal	
Serial		Discretes	35	JAN Grade	X	# of Annunciators	
		TOTAL ELEMENTS	85	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	45	General Purpose Computer		Automated ON line		Weight	7
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Filter	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	11
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	6.5E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
						Insertion Loss	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Max Attenuation	
Not Reported		Hybrid	0	Redundant Channels		Pass Band Width	
Electromechanical		Linear/Interface	14	Graceful Degrading		Attenuate Band Width	
Meter		Digital SSI/MSI	45	Degraded Modes		Phase Shift	
Visual		Digital LSI & Memory	0	None		Time Delay	
Parallel		Microprocessor	0	SCREEN CLASS		Frequency Band	
Parity Checking		Total IC'S	0	JAN TXV			
Semiconductor		Tubes	0	JAN TX	X		
Serial		Discretes	136	JAN Grade	X		
		TOTAL ELEMENTS	136	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	46	General Purpose Computer		Automated ON line		Weight	29
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	17
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.6E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	UHF
Digital Data		Hybrid	1	Redundant Channels		Peak Power Out	4.0E3
Pulse Code Modulated		Linear/Interface	91	Graceful Degrading		Average Power Out	2.7E3
Solid State		Digital SSI/MSI	522	Degraded Modes		# of Selectable Frequencies	126
Tube		Digital LSI & Memory	0	None		Frequency Stability	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Parity Checking		Total IC'S	614	JAN TXV		Receiver Sensitivity	
Semiconductor		Tubes	4	JAN TX	X	Pulse Repetition Frequency	
Serial		Discretes	387	JAN Grade			
		TOTAL ELEMENTS	1,005	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	48	General Purpose Computer		Automated ON line		Weight	56
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.7E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	38
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band Range	
Not Reported		Hybrid	8	Redundant Channels		Peak RF Power	
Pulse Code Modulated		Linear/Interface	81	Graceful Degrading		Average RF Power	
Solid State		Digital SSI/MSI	433	Degraded Modes			
Tube		Digital LSI & Memory	6	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Parity Checking		Total IC'S	528	JAN TXV	X		
Semiconductor		Tubes	1	JAN TX	X		
Serial		Discretes	155	JAN Grade			
		TOTAL ELEMENTS	684	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	51	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	14
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	1
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Not Reported		Hybrid	0	Redundant Channels		Gain	
Pulse Code Modulated		Linear/Interface	0	Graceful Degrading		Effective Area	
Solid State		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Tube		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Parity Checking		Total IC'S	0	JAN TXV		Scan Sector Width	
Semiconductor		Tubes	0	JAN TX			
Serial		Discretes	0	JAN Grade			
		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	52	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	14
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	1
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Not Reported		Hybrid	0	Redundant Channels		Gain	
Pulse Code Modulated		Linear/Interface	0	Graceful Degrading		Effective Area	
Solid State		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Tube		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Parity Checking		Total IC'S	0	JAN TXV		Scan Sector Width	
Semiconductor		Tubes	0	JAN TX			
Serial		Discretes	0	JAN Grade			
		TOTAL ELEMENTS	0	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	54	General Purpose Computer	Automated ON line	Weight	3
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled	Manual	Height	6
EQUIPMENT TYPE	Antenna	Hardware Controlled	COOLING	Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	16
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power	
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Frequency Band	
Not Reported		Hybrid 0	Redundant Channels	Polarization	
Pulse Code Modulated		Linear/Interface 0	Graceful Degrading	Gain	
Solid State		Digital SSI/MSI 0	Degraded Modes	Effective Area	
Tube		Digital LSI & Memory 0	None	Beam Width	
Variable Frequency		Microprocessor 0	SCREEN CLASS	Azimuth Scan Rate	
Parity Checking		Total IC'S 0	JAN TXV	Elevation Scan Rate	
Semiconductor		Tubes 0	JAN TX	Scan Sector Width	
Serial		Discretes 0	JAN Grade		
		TOTAL ELEMENTS 0	Commercial Grade		

IMPLEMENTATION			FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	56	General Purpose Computer	Automated ON line	Weight	4
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled	Manual	Height	4
EQUIPMENT TYPE	Mux/Demux	Hardware Controlled	COOLING	Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	9
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power	
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Carrier Frequency	
Not Reported		Hybrid 0	Redundant Channels	Modulation Rate	
Pulse Code Modulated		Linear/Interface 0	Graceful Degrading	Modulation Baud Rate	
Solid State		Digital SSI/MSI 0	Degraded Modes	PRF	
Tube		Digital LSI & Memory 0	None	Peak Volts Output	
Variable Frequency		Microprocessor 0	SCREEN CLASS	# of Combined Signal	
Parity Checking		Total IC'S 0	JAN TXV		
Semiconductor		Tubes 0	JAN TX		
Serial		Discretes 0	JAN Grade		
		TOTAL ELEMENTS 0	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	58	General Purpose Computer		Automated ON line		Weight	31
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	17
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	33
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	4	Redundant Channels		Peak Power Out	
Pulse Code Modulated		Linear/Interface	81	Graceful Degrading		Average Power Out	
Solid State		Digital SSI/MSI	433	Degraded Modes		# of Selectable Frequencies	
Tube		Digital LSI & Memory	6	None		Frequency Stability	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Parity Checking		Total IC'S	524	JAN TXV	X	Receiver Sensitivity	
Semiconductor		Tubes	1	JAN TX	X	Pulse Repetition Frequency	
Serial		Discretes	151	JAN Grade			
		TOTAL ELEMENTS	676	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	60	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Input Rate	
Not Reported		Hybrid	4	Redundant Channels		Output Rate	
Pulse Code Modulated		Linear/Interface	0	Graceful Degrading		# of Keys	
Solid State		Digital SSI/MSI	0	Degraded Modes		# of Controls	
Tube		Digital LSI & Memory	0	None		Resolution	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Lines	
Parity Checking		Total IC'S	4	JAN TXV		# of Characters/Line	
Semiconductor		Tubes	0	JAN TX	X	Display Area	
Serial		Discretes	0	JAN Grade		Display Diagonal	
		TOTAL ELEMENTS	4	Commercial Grade		# of Annunciators	
						Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	62	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	6.5E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	7.2E3
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	45
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Multichannel/Multifrequency		Hybrid	0	Redundant Channels		Peak RF Power	
Multimode Capability		Linear/Interface	640	Graceful Degrading		Average RF Power	
Pulsed		Digital SSI/MSI	967	Degraded Modes			
Traveling Wave Tube		Digital LSI & Memory	21	None			
Variable Frequency		Microprocessor	9	SCREEN CLASS			
Parity Checking		Total IC'S	1,637	JAN TXV	X		
Semiconductor		Tubes	4	JAN TX	X		
Serial		Discretes	2,844	JAN Grade			
		TOTAL ELEMENTS	4,485	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	66	General Purpose Computer		Automated ON line		Weight	62
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.5E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	13
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	25
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	12
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Tube		Hybrid	0	Redundant Channels		Peak Power Out	
Multimode Capability		Linear/Interface	62	Graceful Degrading		Average Power Out	
Pulsed		Digital SSI/MSI	74	Degraded Modes		Duty Cycle	
Traveling Wave Tube		Digital LSI & Memory	0	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Parity Checking		Total IC'S	0	JAN TXV	X		
Semiconductor		Tubes	2	JAN TX	X		
Serial		Discretes	526	JAN Grade			
		TOTAL ELEMENTS	528	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	68	General Purpose Computer		Automated ON line		Weight	54
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.5E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	13
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	25
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	12
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Tube		Hybrid	0	Redundant Channels		Peak Power Out	
Multimode Capability		Linear/Interface	124	Graceful Degrading		Average Power Out	
Pulsed		Digital SSI/MSI	148	Degraded Modes		Duty Cycle	
Traveling Wave Tube		Digital LSI & Memory	0	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Parity Checking		Total IC'S	272	JAN TXV	X		
Semiconductor		Tubes	2	JAN TX	X		
Serial		Discretes	1,052	JAN Grade			
		TOTAL ELEMENTS	1,326	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	69	General Purpose Computer		Automated ON line		Weight	50
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.5E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	13
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	25
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	7
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Not Reported		Hybrid	0	Redundant Channels		Memory Size	
Multimode Capability		Linear/Interface	180	Graceful Degrading		Interrupt Levels	
Pulsed		Digital SSI/MSI	276	Degraded Modes		Memory I/O Rate	
Traveling Wave Tube		Digital LSI & Memory	8	None		# of Busses	
Variable Frequency		Microprocessor	3	SCREEN CLASS		# of Registers	
Parity Checking		Total IC'S	467	JAN TXV	X	# of Accumulators	
Semiconductor		Tubes	0	JAN TX	X	# of Input Ports	
Serial		Discretes	458	JAN Grade		# of Output Ports	
		TOTAL ELEMENTS	925	Commercial Grade			

EQUIPMENT ID	71
PROGRAM ID	
CATEGORY	Electronic Warfare
EQUIPMENT TYPE	Signal/Data
DERATING GUIDELINES	Not Reported
SELF TEST CAPABILITY	Not Reported
REPLACEMENT LEVEL	Not Reported

DESIGN APPROACH/TECHNOLOGY

- Not Reported
- Multimode Capability
- Pulsed
- Traveling Wave Tube
- Variable Frequency
- Parity Checking
- Semiconductor
- Serial

IMPLEMENTATION

- General Purpose Computer
- BIT Microprocessor
- Software Controlled
- Hardware Controlled
- Automated Print Out
- Manual Read Panel

ACTIVE ELEMENT COUNT

Hybrid	0
Linear/Interface	274
Digital SSI/MSI	469
Digital LSI & Memory	13
Microprocessor	6
Total IC'S	762
Tubes	0
Discretes	808
TOTAL ELEMENTS	1,570

FAULT CONTROL

- Automated ON line
- Automated OFF line
- Manual

COOLING

- Ambient Air
- Forced Air
- Liquid

FAULT TOLERANCE

- Redundant Channels
- Graceful Degrading
- Degraded Modes
- None

SCREEN CLASS

JAN TXV	X
JAN TX	X
JAN Grade	
Commercial Grade	

MAJOR PARAMETERS

Weight	54
Volume	1.5E0
Height	13
Width	8
Depth	25
Power	
Modules	7
Clock Frequency	
Word Length	
Memory Size	
Interrupt Levels	
Memory I/O Rate	
# of Busses	
# of Registers	
# of Accumulators	
# of Input Ports	
# of Output Ports	

EQUIPMENT ID	72
PROGRAM ID	
CATEGORY	Electronic Warfare
EQUIPMENT TYPE	
DERATING GUIDELINES	Not Reported
SELF TEST CAPABILITY	Not Reported
REPLACEMENT LEVEL	Not Reported

DESIGN APPROACH/TECHNOLOGY

- Active
- Frequency Scaning
- Multichannel/Multifrequency
- Multimode Capability
- Solid State
- Parity Checking
- Semiconductor
- Serial

IMPLEMENTATION

- General Purpose Computer
- BIT Microprocessor
- Software Controlled
- Hardware Controlled
- Automated Print Out
- Manual Read Panel

ACTIVE ELEMENT COUNT

Hybrid	113
Linear/Interface	222
Digital SSI/MSI	935
Digital LSI & Memory	29
Microprocessor	0
Total IC'S	1,299
Tubes	1
Discretes	1,511
TOTAL ELEMENTS	2,811

FAULT CONTROL

- Automated ON line
- Automated OFF line
- Manual

COOLING

Ambient Air	X
Forced Air	
Liquid	

FAULT TOLERANCE

- Redundant Channels
- Graceful Degrading
- Degraded Modes
- None

SCREEN CLASS

JAN TXV	X
JAN TX	X
JAN Grade	
Commercial Grade	

MAJOR PARAMETERS

Weight	142
Volume	2.4E0
Height	
Width	
Depth	
Power	5.4E2
Modules	101
Frequency Band	
Range	
Peak RF Power	
Average RF Power	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	73	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Fixed		Hybrid	0	Redundant Channels		Polarization	V
Non Directional		Linear/Interface	0	Graceful Degrading		Gain	
Multichannel/Multifrequency		Digital SSI/MSI	0	Degraded Modes		Effective Area	
Multimode Capability		Digital LSI & Memory	0	None		Beam Width	
Solid State		Microprocessor	0	SCREEN CLASS		Azimuth Scan Rate	
Parity Checking		Total IC'S	0	JAN TXV		Elevation Scan Rate	
Semiconductor		Tubes	0	JAN TX		Scan Sector Width	
Serial		Discretes	0	JAN Grade			
		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	74	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Input Rate	
Audible		Hybrid	0	Redundant Channels		Output Rate	
Automatic		Linear/Interface	0	Graceful Degrading		# of Keys	
Keyboard Entry		Digital SSI/MSI	0	Degraded Modes		# of Controls	7
Meter		Digital LSI & Memory	0	None		Resolution	
Solid State		Microprocessor	0	SCREEN CLASS		# of Lines	
Parity Checking		Total IC'S	0	JAN TXV		# of Characters/Line	
Semiconductor		Tubes	0	JAN TX	X	Display Area	
Serial		Discretes	2	JAN Grade		Display Diagonal	
		TOTAL ELEMENTS	2	Commercial Grade		# of Annunciators	3
						Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	75	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	1
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	0	Redundant Channels		# of Keys	
Keyboard Entry		Linear/Interface	0	Graceful Degrading		# of Controls	3
Keyboard Entry		Digital SSI/MSI	0	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Parity Checking		Total IC'S	0	JAN TXV		Display Area	
Semiconductor		Tubes	0	JAN TX		Display Diagonal	
Serial		Discretes	0	JAN Grade		# of Annunciators	
		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	76	General Purpose Computer		Automated ON line		Weight	11
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	16
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	3.5E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	11
						Input Rate	1.0E1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	1	Redundant Channels		# of Keys	
Manual		Linear/Interface	32	Graceful Degrading		# of Controls	
Mechanical		Digital SSI/MSI	30	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	2	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Parity Checking		Total IC'S	65	JAN TXV		Display Area	39
Semiconductor		Tubes	1	JAN TX	X	Display Diagonal	4
Serial		Discretes	104	JAN Grade		# of Annunciators	
		TOTAL ELEMENTS	170	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	77	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	C
Azimuth Scanning		Hybrid	0	Redundant Channels		Gain	3.0
Elevation Scanning		Linear/Interface	0	Graceful Degrading		Effective Area	
Fixed		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Non Directional		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Solid State		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Parity Checking		Total IC'S	0	JAN TXV		Scan Sector Width	
Semiconductor		Tubes	0	JAN TX			
Serial		Discretes	0	JAN Grade			
		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	78	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	C
Azimuth Scanning		Hybrid	0	Redundant Channels		Gain	3.0
Fixed		Linear/Interface	0	Graceful Degrading		Effective Area	
Helical		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Non Directional		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Solid State		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Parity Checking		Total IC'S	0	JAN TXV		Scan Sector Width	
Semiconductor		Tubes	0	JAN TX			
Serial		Discretes	0	JAN Grade			
		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	79	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	C
Azimuth Scanning		Hybrid	0	Redundant Channels		Gain	3.0
Fixed		Linear/Interface	0	Graceful Degrading		Effective Area	
Helical		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Non Directional		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Solid State		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Parity Checking		Total IC'S	0	JAN TXV		Scan Sector Width	
Semiconductor		Tubes	0	JAN TX			
Serial		Discretes	0	JAN Grade			
		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	80	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	C
Azimuth Scanning		Hybrid	0	Redundant Channels		Gain	3.0
Fixed		Linear/Interface	0	Graceful Degrading		Effective Area	
Helical		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Non Directional		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Solid State		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Parity Checking		Total IC'S	0	JAN TXV		Scan Sector Width	
Semiconductor		Tubes	0	JAN TX			
Serial		Discretes	0	JAN Grade			
		TOTAL ELEMENTS	0	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	81	General Purpose Computer	Automated ON line		Weight	31
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	9.7E0
CATEGORY	Electronic Warfare	Software Controlled	Manual		Height	6
EQUIPMENT TYPE	Power Supply	Hardware Controlled	COOLING		Width	18
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	X	Depth	11
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	Forced Air		Power	2.2E2
REPLACEMENT LEVEL	Assembly (SRU)		Liquid		Modules	15
					# of Outputs	8
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Voltage Out # 1	-5
AC Input		Hybrid 0	Redundant Channels		Voltage Out # 2	-28
Between 50-150 Volts		Linear/Interface 24	Graceful Degrading		Voltage Out # 3	-100
DC Input		Digital SSI/MSI 34	Degraded Modes		Current Out # 1	1350
DC Output		Digital LSI & Memory 3	None		Current Out # 2	400
Fixed Voltage Output		Microprocessor 0	SCREEN CLASS		Current Out # 3	40
Over Voltage Protection		Total IC'S 61	JAN TXV		Percent Regulation 1	2
Solid State		Tubes 0	JAN TX	X	Percent Regulation 2	1
Switching Regulated		Discretes 276	JAN Grade		Percent Regulation 3	3
Under 50 Volts		TOTAL ELEMENTS 337	Commercial Grade		Input Frequency	400
					Convert or Output Frequency	

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	82	General Purpose Computer	Automated ON line		Weight	52
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	1.3E0
CATEGORY	Electronic Warfare	Software Controlled	Manual		Height	7
EQUIPMENT TYPE	Receiver	Hardware Controlled	COOLING		Width	18
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air		Depth	18
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air		Power	2.0E2
REPLACEMENT LEVEL	Not Reported		Liquid		Modules	48
					Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		# of Simultaneous Channels	1
Amplitude Modulation		Hybrid 102	Redundant Channels		Channel Width	
Digital Data		Linear/Interface 130	Graceful Degrading		Digital Data Rate	
ECM-EW		Digital SSI/MSI 815	Degraded Modes		# of Selectable Frequencies	
Solid State		Digital LSI & Memory 24	None		Frequency Band	
Variable Frequency		Microprocessor 0	SCREEN CLASS			
Over Voltage Protection		Total IC'S 1,071	JAN TXV	X		
Solid State		Tubes 0	JAN TX	X		
Switching Regulated		Discretes 1,043	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS 2,114	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	83	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	9
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	8.0E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	20
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	2
Amplitude Modulation		Hybrid	10	Redundant Channels		Channel Width	
Digital Data		Linear/Interface	36	Graceful Degrading		Digital Data Rate	
ECM-EW		Digital SSI/MSI	56	Degraded Modes		# of Selectable Frequencies	
Over Voltage Protection		Digital LSI & Memory	0	None		Frequency Band	
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	102	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	86	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	188	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	84	General Purpose Computer		Automated ON line		Weight	495
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	9.0E0
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.1E4
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	134
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Doppler		Hybrid	207	Redundant Channels		Peak RF Power	
Fire Control		Linear/Interface	466	Graceful Degrading		Average RF Power	
Traveling Wave Tube		Digital SSI/MSI	413	Degraded Modes		PRF	
Over Voltage Protection		Digital LSI & Memory	122	None		AZ Coverage/Angle	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Scan Rate	
Over Voltage Protection		Total IC'S	1,208	JAN TXV	X	Polarization	
Solid State		Tubes	3	JAN TX	X	Beam Width	
Switching Regulated		Discretes	1,444	JAN Grade	X	Elev. Coverage/Angle	
Under 50 Volts		TOTAL ELEMENTS	2,655	Commercial Grade		Target Size	
						Antenna Gain	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	85	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	0	Redundant Channels		Power Level	
Fire Control		Linear/Interface	0	Graceful Degrading			
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes			
Over Voltage Protection		Digital LSI & Memory	0	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	0	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	86	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	0	Redundant Channels		Power Level	
Fire Control		Linear/Interface	0	Graceful Degrading			
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes			
Over Voltage Protection		Digital LSI & Memory	0	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	0	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	87	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	0	Redundant Channels		Power Level	
Fire Control		Linear/Interface	0	Graceful Degrading			
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes			
Over Voltage Protection		Digital LSI & Memory	0	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	0	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	88	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	0	Redundant Channels		Power Level	
Fire Control		Linear/Interface	0	Graceful Degrading			
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes			
Over Voltage Protection		Digital LSI & Memory	0	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	0	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	89	General Purpose Computer		Automated ON line	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Volume	
CATEGORY	Radar	Software Controlled		Manual	Height	
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING	Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	Power	
REPLACEMENT LEVEL	Not Reported			Liquid	Modules	1
					# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	Frequency Band	
Not Reported		Hybrid	0	Redundant Channels	Power Level	
Fire Control		Linear/Interface	0	Graceful Degrading		
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes		
Over Voltage Protection		Digital LSI & Memory	0	None		
Variable Frequency		Microprocessor	0	SCREEN CLASS		
Over Voltage Protection		Total IC'S	0	JAN TXV		
Solid State		Tubes	0	JAN TX		
Switching Regulated		Discretes	0	JAN Grade		
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	90	General Purpose Computer		Automated ON line	Weight	10
PROGRAM ID		BIT Microprocessor		Automated OFF line	Volume	
CATEGORY	Radar	Software Controlled		Manual	Height	
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING	Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	Power	
REPLACEMENT LEVEL	Not Reported			Liquid	Modules	1
					# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	Frequency Band	
Not Reported		Hybrid	0	Redundant Channels	Power Level	
Fire Control		Linear/Interface	0	Graceful Degrading		
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes		
Over Voltage Protection		Digital LSI & Memory	0	None		
Variable Frequency		Microprocessor	0	SCREEN CLASS		
Over Voltage Protection		Total IC'S	0	JAN TXV		
Solid State		Tubes	0	JAN TX		
Switching Regulated		Discretes	0	JAN Grade		
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	91	General Purpose Computer		Automated ON line		Weight	107
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.1E1
CATEGORY	Radar	Software Controlled		Manual		Height	28
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	36
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	36
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	4.0E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	3
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Not Reported		Hybrid	1	Redundant Channels		Gain	
Fire Control		Linear/Interface	0	Graceful Degrading		Effective Area	
Traveling Wave Tube		Digital SSI/MSI	3	Degraded Modes		Beam Width	
Over Voltage Protection		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Over Voltage Protection		Total IC'S	4	JAN TXV		Scan Sector Width	
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	3	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	7	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	92	General Purpose Computer		Automated ON line		Weight	3
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.7E0
CATEGORY	Radar	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	4
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Not Reported		Hybrid	0	Redundant Channels		# of Keys	
Fire Control		Linear/Interface	2	Graceful Degrading		# of Controls	
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes		Resolution	
Over Voltage Protection		Digital LSI & Memory	0	None		# of Lines	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Over Voltage Protection		Total IC'S	2	JAN TXV		Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	2	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	4	Commercial Grade		Input Volts	

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	93	General Purpose Computer	Automated ON line	Weight 41
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume 1.2E0
CATEGORY	Radar	Software Controlled	Manual	Height 7
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	COOLING	Width 16
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth 19
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power
REPLACEMENT LEVEL	Not Reported		Liquid	Modules 42
				Clock Frequency
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Word Length
Not Reported		Hybrid 9	Redundant Channels	Memory Size
Fire Control		Linear/Interface 32	Graceful Degrading	Interrupt Levels
Traveling Wave Tube		Digital SSI/MSI 4,258	Degraded Modes	Memory I/O Rate
Over Voltage Protection		Digital LSI & Memory 116	None	# of Busses
Variable Frequency		Microprocessor 0	SCREEN CLASS	# of Registers
Over Voltage Protection		Total IC'S 4,415	JAN TXV X	# of Accumulators
Solid State		Tubes 0	JAN TX X	# of Input Ports
Switching Regulated		Discretes 159	JAN Grade X	# of Output Ports
Under 50 Volts		TOTAL ELEMENTS 4,574	Commercial Grade	

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	94	General Purpose Computer	Automated ON line	Weight 40
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume 1.0E0
CATEGORY	Radar	Software Controlled	Manual	Height 7
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	COOLING	Width 16
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth 17
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power
REPLACEMENT LEVEL	Not Reported		Liquid	Modules 49
				Clock Frequency
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Word Length
Not Reported		Hybrid 26	Redundant Channels	Memory Size
Fire Control		Linear/Interface 369	Graceful Degrading	Interrupt Levels
Traveling Wave Tube		Digital SSI/MSI 2,011	Degraded Modes	Memory I/O Rate
Over Voltage Protection		Digital LSI & Memory 6	None	# of Busses
Variable Frequency		Microprocessor 0	SCREEN CLASS	# of Registers
Over Voltage Protection		Total IC'S 2,412	JAN TXV X	# of Accumulators
Solid State		Tubes 0	JAN TX X	# of Input Ports
Switching Regulated		Discretes 590	JAN Grade X	# of Output Ports
Under 50 Volts		TOTAL ELEMENTS 3,002	Commercial Grade	

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	95	Automated ON line	Weight	26
PROGRAM ID		Automated OFF line	Volume	0.9E0
CATEGORY	Radar	Manual	Height	10
EQUIPMENT TYPE	Signal/Data	COOLING	Width	11
DERATING GUIDELINES	Not Reported	Ambient Air	Depth	13
SELF TEST CAPABILITY	Not Reported	Forced Air	Power	
REPLACEMENT LEVEL	Not Reported	Liquid	Modules	6
			Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		FAULT TOLERANCE	Word Length	
Not Reported		Redundant Channels	Memory Size	
Fire Control		Graceful Degrading	Interrupt Levels	
Traveling Wave Tube		Degraded Modes	Memory I/O Rate	
Over Voltage Protection		None	# of Busses	
Variable Frequency		SCREEN CLASS	# of Registers	
Over Voltage Protection		JAN TXV X	# of Accumulators	
Solid State		JAN TX X	# of Input Ports	
Switching Regulated		JAN Grade X	# of Output Ports	
Under 50 Volts		Commercial Grade		

ACTIVE ELEMENT COUNT	
Hybrid	68
Linear/Interface	12
Digital SSI/MSI	33
Digital LSI & Memory	0
Microprocessor	0
Total IC'S	113
Tubes	0
Discretes	128
TOTAL ELEMENTS	241

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	96	Automated ON line	Weight	26
PROGRAM ID		Automated OFF line	Volume	1.0E0
CATEGORY	Radar	Manual	Height	7
EQUIPMENT TYPE	Frequency/Timing Gen.	COOLING	Width	23
DERATING GUIDELINES	Not Reported	Ambient Air	Depth	11
SELF TEST CAPABILITY	Not Reported	Forced Air	Power	
REPLACEMENT LEVEL	Not Reported	Liquid	Modules	5
			Referency Frequency	
DESIGN APPROACH/TECHNOLOGY		FAULT TOLERANCE	Frequency Drift	
Not Reported		Redundant Channels	Output Frequency	
Fire Control		Graceful Degrading	Output Voltage	
Traveling Wave Tube		Degraded Modes	Output Impedance	
Over Voltage Protection		None		
Variable Frequency		SCREEN CLASS		
Over Voltage Protection		JAN TXV X		
Solid State		JAN TX X		
Switching Regulated		JAN Grade X		
Under 50 Volts		Commercial Grade		

ACTIVE ELEMENT COUNT	
Hybrid	10
Linear/Interface	6
Digital SSI/MSI	0
Digital LSI & Memory	0
Microprocessor	0
Total IC'S	16
Tubes	0
Discretes	74
TOTAL ELEMENTS	90

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	97	General Purpose Computer		Automated ON line		Weight	41
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.1E0
CATEGORY	Radar	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Power Supply	Hardware Controlled		COOLING		Width	11
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	16
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						# of Outputs	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Voltage Out # 1	
Not Reported		Hybrid	25	Redundant Channels		Voltage Out # 2	
Fire Control		Linear/Interface	26	Graceful Degrading		Voltage Out # 3	
Traveling Wave Tube		Digital SSI/MSI	5	Degraded Modes		Current Out # 1	
Over Voltage Protection		Digital LSI & Memory	0	None		Current Out # 2	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Current Out # 3	
Over Voltage Protection		Total IC'S	56	JAN TXV	X	Percent Regulation 1	
Solid State		Tubes	0	JAN TX	X	Percent Regulation 2	
Switching Regulated		Discretes	151	JAN Grade	X	Percent Regulation 3	
Under 50 Volts		TOTAL ELEMENTS	207	Commercial Grade		Input Frequency	
						Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	98	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.7E0
CATEGORY	Radar	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	16
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	11
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	8
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Radar		Hybrid	0	Redundant Channels		Channel Width	
Fire Control		Linear/Interface	7	Graceful Degrading		Digital Data Rate	
Traveling Wave Tube		Digital SSI/MSI	2	Degraded Modes		# of Selectable Frequencies	
Over Voltage Protection		Digital LSI & Memory	0	None		Frequency Band	
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	9	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	96	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	105	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	99	General Purpose Computer		Automated ON line		Weight	173
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	3.1E0
CATEGORY	Radar	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Transmitter	Hardware Controlled		COOLING		Width	31
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	17
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	9
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Radar		Hybrid	68	Redundant Channels		Average Power Out	
Fire Control		Linear/Interface	12	Graceful Degrading		# of Simultaneous Channels	
Traveling Wave Tube		Digital SSI/MSI	101	Degraded Modes		Channel Width	
Over Voltage Protection		Digital LSI & Memory	0	None		Pulse Repetition Frequency	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Over Voltage Protection		Total IC'S	181	JAN TXV	X	# of Selectable Frequencies	
Solid State		Tubes	3	JAN TX	X	Frequency Stability	
Switching Regulated		Discretes	241	JAN Grade	X	Duty Cycle	
Under 50 Volts		TOTAL ELEMENTS	425	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	100	General Purpose Computer		Automated ON line		Weight	495
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	9.0E0
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.1E4
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	134
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Doppler		Hybrid	207	Redundant Channels		Peak RF Power	
Fire Control		Linear/Interface	466	Graceful Degrading		Average RF Power	
Traveling Wave Tube		Digital SSI/MSI	6,413	Degraded Modes		PRF	
Over Voltage Protection		Digital LSI & Memory	122	None		AZ Coverage/Angle	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Scan Rate	
Over Voltage Protection		Total IC'S	7,208	JAN TXV		Polarization	
Solid State		Tubes	3	JAN TX		Beam Width	
Switching Regulated		Discretes	1,444	JAN Grade	X	Elev. Coverage/Angle	
Under 50 Volts		TOTAL ELEMENTS	8,655	Commercial Grade		Target Size	
						Antenna Gain	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	101	General Purpose Computer		Automated ON line		Weight	107
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.1E1
CATEGORY	Radar	Software Controlled		Manual		Height	28
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	36
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	36
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	4.0E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	3
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Not Reported		Hybrid	1	Redundant Channels		Gain	
Fire Control		Linear/Interface	0	Graceful Degrading		Effective Area	
Traveling Wave Tube		Digital SSI/MSI	3	Degraded Modes		Beam Width	
Over Voltage Protection		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Over Voltage Protection		Total IC'S	4	JAN TXV		Scan Sector Width	
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	3	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	7	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	102	General Purpose Computer		Automated ON line		Weight	3
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.7E0
CATEGORY	Radar	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	4
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Not Reported		Hybrid	0	Redundant Channels		# of Keys	
Fire Control		Linear/Interface	2	Graceful Degrading		# of Controls	
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes		Resolution	
Over Voltage Protection		Digital LSI & Memory	0	None		# of Lines	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Over Voltage Protection		Total IC'S	2	JAN TXV		Display Area	
Solid State		Tubes	0	JAN TX		Display Diagonal	
Switching Regulated		Discretes	2	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	4	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	103	General Purpose Computer		Automated ON line		Weight	41
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.2E0
CATEGORY	Radar	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	16
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	19
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	42
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Not Reported		Hybrid	9	Redundant Channels		Memory Size	
Fire Control		Linear/Interface	32	Graceful Degrading		Interrupt Levels	
Traveling Wave Tube		Digital SSI/MSI	4,258	Degraded Modes		Memory I/O Rate	
Over Voltage Protection		Digital LSI & Memory	116	None		# of Busses	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Registers	
Over Voltage Protection		Total IC'S	4,415	JAN TXV		# of Accumulators	
Solid State		Tubes	0	JAN TX		# of Input Ports	
Switching Regulated		Discretes	159	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	4,574	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	104	General Purpose Computer		Automated ON line		Weight	40
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E0
CATEGORY	Radar	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	16
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	17
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	49
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Not Reported		Hybrid	26	Redundant Channels		Memory Size	
Fire Control		Linear/Interface	369	Graceful Degrading		Interrupt Levels	
Traveling Wave Tube		Digital SSI/MSI	2,011	Degraded Modes		Memory I/O Rate	
Over Voltage Protection		Digital LSI & Memory	6	None		# of Busses	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Registers	
Over Voltage Protection		Total IC'S	2,412	JAN TXV		# of Accumulators	
Solid State		Tubes	0	JAN TX		# of Input Ports	
Switching Regulated		Discretes	590	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	3,002	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	105	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.9E0
CATEGORY	Radar	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	11
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	13
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	6
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Not Reported		Hybrid	68	Redundant Channels		Memory Size	
Fire Control		Linear/Interface	12	Graceful Degrading		Interrupt Levels	
Traveling Wave Tube		Digital SSI/MSI	33	Degraded Modes		Memory I/O Rate	
Over Voltage Protection		Digital LSI & Memory	0	None		# of Busses	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Registers	
Over Voltage Protection		Total IC'S	113	JAN TXV		# of Accumulators	
Solid State		Tubes	0	JAN TX		# of Input Ports	
Switching Regulated		Discretes	128	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	241	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	106	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E0
CATEGORY	Radar	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Frequency/Timing Gen.	Hardware Controlled		COOLING		Width	23
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	11
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						Referency Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Drift	
Not Reported		Hybrid	10	Redundant Channels		Output Frequency	
Fire Control		Linear/Interface	6	Graceful Degrading		Output Voltage	
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes		Output Impedance	
Over Voltage Protection		Digital LSI & Memory	0	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	16	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	74	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	90	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	107	General Purpose Computer		Automated ON line		Weight	41
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.1E0
CATEGORY	Radar	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Power Supply	Hardware Controlled		COOLING		Width	11
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	16
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						# of Outputs	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Voltage Out # 1	
Not Reported		Hybrid	25	Redundant Channels		Voltage Out # 2	
Fire Control		Linear/Interface	26	Graceful Degrading		Voltage Out # 3	
Traveling Wave Tube		Digital SSI/MSI	5	Degraded Modes		Current Out # 1	
Over Voltage Protection		Digital LSI & Memory	0	None		Current Out # 2	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Current Out # 3	
Over Voltage Protection		Total IC'S	56	JAN TXV		Percent Regulation 1	
Solid State		Tubes	0	JAN TX		Percent Regulation 2	
Switching Regulated		Discretes	151	JAN Grade	X	Percent Regulation 3	
Under 50 Volts		TOTAL ELEMENTS	207	Commercial Grade		Input Frequency	
						Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	108	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.7E0
CATEGORY	Radar	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	16
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	11
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	8
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Radar		Hybrid	0	Redundant Channels		Channel Width	
Fire Control		Linear/Interface	7	Graceful Degrading		Digital Data Rate	
Traveling Wave Tube		Digital SSI/MSI	2	Degraded Modes		# of Selectable Frequencies	
Over Voltage Protection		Digital LSI & Memory	0	None		Frequency Band	
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	9	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	96	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	105	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	109	General Purpose Computer	Automated ON line		Weight	173
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	3.1E0
CATEGORY	Radar	Software Controlled	Manual		Height	10
EQUIPMENT TYPE	Transmitter	Hardware Controlled	COOLING		Width	31
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air		Depth	17
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air		Power	
REPLACEMENT LEVEL	Not Reported		Liquid	X	Modules	9
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Frequency Band	
Radar		Hybrid	68	Redundant Channels	Peak Power Out	
Fire Control		Linear/Interface	12	Graceful Degrading	Average Power Out	
Traveling Wave Tube		Digital SSI/MSI	101	Degraded Modes	# of Simultaneous Channels	
Over Voltage Protection		Digital LSI & Memory	0	None	Channel Width	
Variable Frequency		Microprocessor	0	SCREEN CLASS	Pulse Repetition Frequency	
Over Voltage Protection		Total IC'S	181	JAN TXV	Digital Data Rate	
Solid State		Tubes	3	JAN TX	# of Selectable Frequencies	
Switching Regulated		Discretes	241	JAN Grade X	Frequency Stability	
Under 50 Volts		TOTAL ELEMENTS	425	Commercial Grade	Duty Cycle	

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	110	General Purpose Computer	Automated ON line		Weight	18
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	0.2E0
CATEGORY	Communications	Software Controlled	Manual		Height	8
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air X		Depth	18
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air		Power	
REPLACEMENT LEVEL	Not Reported		Liquid		Modules	7
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Clock Frequency	1.0E6
Digital		Hybrid	0	Redundant Channels	Word Length	26
Internal Semiconductor Memory		Linear/Interface	11	Graceful Degrading	Memory Size	
Serial		Digital SSI/MSI	484	Degraded Modes	Interrupt Levels	
Synchronous		Digital LSI & Memory	76	None	Memory I/O Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS	# of Busses	
Over Voltage Protection		Total IC'S	571	JAN TXV	# of Registers	
Solid State		Tubes	0	JAN TX	# of Accumulators	
Switching Regulated		Discretes	163	JAN Grade X	# of Input Ports	
Under 50 Volts		TOTAL ELEMENTS	734	Commercial Grade	# of Output Ports	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	111	General Purpose Computer		Automated ON line		Weight	18
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Communications	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	18
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	6
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Fixed Frequency		Hybrid	10	Redundant Channels		Average Power Out	
Radar		Linear/Interface	23	Graceful Degrading		# of Selectable	
Solid State		Digital SSI/MSI	41	Degraded Modes		Frequencies	
Transponder		Digital LSI & Memory	0	None		Frequency Stability	
Tube		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Over Voltage Protection		Total IC'S	74	JAN TXV		Receiver Sensitivity	
Solid State		Tubes	1	JAN TX	X	Pulse Repetition	
Switching Regulated		Discretes	159	JAN Grade		Frequency	
Under 50 Volts		TOTAL ELEMENTS	234	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	112	General Purpose Computer		Automated ON line		Weight	14
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Communications	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	11
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	6.4E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	16
						Frequency Band	L
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	5.0E2
Fixed Frequency		Hybrid	19	Redundant Channels		Average Power Out	
Pulse Code Modulated		Linear/Interface	25	Graceful Degrading		# of Selectable	1
Radar		Digital SSI/MSI	24	Degraded Modes		Frequencies	
Solid State		Digital LSI & Memory	0	None		Frequency Stability	
Transponder		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Over Voltage Protection		Total IC'S	68	JAN TXV		Receiver Sensitivity	
Solid State		Tubes	0	JAN TX	X	Pulse Repetition	
Switching Regulated		Discretes	183	JAN Grade	X	Frequency	
Under 50 Volts		TOTAL ELEMENTS	251	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	113	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Filter	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	2
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Insertion Loss	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Max Attenuation	
Active		Hybrid	0	Redundant Channels		Pass Band Width	
Band Pass		Linear/Interface	1	Graceful Degrading		Attenuate Band Width	
Signal		Digital SSI/MSI	0	Degraded Modes		Phase Shift	
Solid State		Digital LSI & Memory	0	None		Time Delay	
Transponder		Microprocessor	0	SCREEN CLASS		Frequency Band	
Over Voltage Protection		Total IC'S	1	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	7	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	8	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	114	General Purpose Computer		Automated ON line		Weight	13
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Communications	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	10
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	2.7E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	6
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Amplitude Modulation		Hybrid	14	Redundant Channels		Channel Width	
Over Voltage Protection		Linear/Interface	0	Graceful Degrading		Digital Data Rate	
Secure		Digital SSI/MSI	0	Degraded Modes		# of Selectable Frequencies	
Voice		Digital LSI & Memory	0	None		Frequency Band	UHF
Transponder		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	14	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	101	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	115	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	115	General Purpose Computer		Automated ON line		Weight	29
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Communications	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	9
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	15
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	2.3E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	14	Redundant Channels		Average Power Out	3.7E2
Secure		Linear/Interface	0	Graceful Degrading		# of Selectable Frequencies	20
Solid State		Digital SSI/MSI	0	Degraded Modes		Frequency Stability	2000
Tube		Digital LSI & Memory	0	None		Digital Data Rate	
Voice		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	6.0E0
Over Voltage Protection		Total IC'S	14	JAN TXV	X	Pulse Repetition Frequency	
Solid State		Tubes	1	JAN TX	X		
Switching Regulated		Discretes	179	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	194	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	116	General Purpose Computer		Automated ON line		Weight	16
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Computer	Software Controlled		Manual		Height	7
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	13
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air		Power	7.0E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	9	Redundant Channels		Memory Size	
General Purpose		Linear/Interface	55	Graceful Degrading		Interrupt Levels	
Magnetic Bubble		Digital SSI/MSI	307	Degraded Modes		# of Busses	
Serial		Digital LSI & Memory	25	None		Memory I/O Rate	
Voice		Microprocessor	0	SCREEN CLASS		# of Registers	
Over Voltage Protection		Total IC'S	396	JAN TXV		# of Accumulators	
Solid State		Tubes	0	JAN TX	X	# of Input Ports	
Switching Regulated		Discretes	96	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	492	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	117	General Purpose Computer		Automated ON line		Weight	27
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	7
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	9
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.3E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Position Accuracy	
Attitude		Hybrid	9	Redundant Channels		Range	
Gimbaled		Linear/Interface	79	Graceful Degrading		Way Points	
Inertial		Digital SSI/MSI	166	Degraded Modes		Destinations	
Serial		Digital LSI & Memory	45	None		Velocity Accuracy	
Voice		Microprocessor	0	SCREEN CLASS		Height Accuracy	
Over Voltage Protection		Total IC'S	299	JAN TXV		Heading Accuracy	
Solid State		Tubes	0	JAN TX		Frequency Band	
Switching Regulated		Discretes	254	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	553	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	118	General Purpose Computer		Automated ON line		Weight	14
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	10
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	12
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Linear		Hybrid	9	Redundant Channels		Gain	
Magnetic		Linear/Interface	77	Graceful Degrading		Peak Power Out	
Pulse		Digital SSI/MSI	166	Degraded Modes		Average Power Out	
Serial		Digital LSI & Memory	45	None		Duty Cycle	
Voice		Microprocessor	0	SCREEN CLASS			
Over Voltage Protection		Total IC'S	297	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	246	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	543	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	119	General Purpose Computer		Automated ON line		Weight	13
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Inertial Reference	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	9
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Velocity Accuracy	
Gimbaled		Hybrid	0	Redundant Channels		Heading Accuracy	
Magnetic		Linear/Interface	2	Graceful Degrading		Range	
Pulse		Digital SSI/MSI	0	Degraded Modes		Drift Rate	
Serial		Digital LSI & Memory	0	None		# of Gimbals	3
Voice		Microprocessor	0	SCREEN CLASS		# of Gyros	2
Over Voltage Protection		Total IC'S	2	JAN TXV		# of Accelerometers	
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	8	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	10	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	120	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	2
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Flat Panel		Hybrid	0	Redundant Channels		# of Keys	
Graphic		Linear/Interface	0	Graceful Degrading		# of Controls	5
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	0	None		# of Lines	
Voice		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Over Voltage Protection		Total IC'S	0	JAN TXV		Display Area	
Solid State		Tubes	0	JAN TX		Display Diagonal	
Switching Regulated		Discretes	0	JAN Grade		# of Annunciators	1
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	121	General Purpose Computer	Automated ON line	Reconfiguration	Weight	51
PROGRAM ID		BIT Microprocessor	Automated OFF line	Reconfiguration	Volume	1.0E0
CATEGORY	Guidance/Navigation	Software Controlled X	Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air X		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air X		Power	2.9E2
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	29
					Position Accuracy	7.0E3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Range	
Dead Reckoning		Hybrid 57	Redundant Channels		Way Points	16
Geographic Position		Linear/Interface 36	Graceful Degrading		Destinations	16
Gimbaled		Digital SSI/MSI 716	Degraded Modes X		Velocity Accuracy	4
Inertial		Digital LSI & Memory 0	None		Height Accuracy	150
Voice		Microprocessor 0	SCREEN CLASS		Heading Accuracy	0.20
Over Voltage Protection		Total IC'S 809	JAN TXV		Frequency Band	
Solid State		Tubes 0	JAN TX X			
Switching Regulated		Discretes 409	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS 1,218	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	122	General Purpose Computer	Automated ON line	Reconfiguration	Weight	40
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	0.8E0
CATEGORY	Guidance/Navigation	Software Controlled X	Manual	Reconfiguration	Height	8
EQUIPMENT TYPE	Inertial Reference	Hardware Controlled X	COOLING		Width	13
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air		Depth	14
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air X		Power	2.0E2
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	27
					Position Accuracy	7.0E3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Velocity Accuracy	4
Digital		Hybrid 33	Redundant Channels		Heading Accuracy	3
Electrically Driven Gyro		Linear/Interface 32	Graceful Degrading		Range	
Electrolytic Accelerometer		Digital SSI/MSI 541	Degraded Modes X		Drift Rate	
Gimbaled		Digital LSI & Memory 0	None		# of Gimbals	1
Voice		Microprocessor 0	SCREEN CLASS		# of Gyros	2
Over Voltage Protection		Total IC'S 606	JAN TXV		# of Accelerometers	3
Solid State		Tubes 0	JAN TX X			
Switching Regulated		Discretes 384	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS 990	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	123	General Purpose Computer		Automated ON line	Reconfiguration	Weight	8
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled	X	Manual		Height	7
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	5
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	5.0E1
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	6
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	24	Redundant Channels		# of Keys	19
Automatic		Linear/Interface	4	Graceful Degrading		# of Controls	3
Electromechanical		Digital SSI/MSI	175	Degraded Modes	X	Resolution	
Flat Panel		Digital LSI & Memory	0	None		# of Lines	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Manual		Total IC'S	203	JAN TXV		Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	25	JAN Grade		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	228	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	124	General Purpose Computer		Automated ON line		Weight	40
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.8E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	2.1E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Autopilot		Hybrid	61	Redundant Channels	X	Way Points	
Dead Reckoning		Linear/Interface	116	Graceful Degrading		Destinations	
Gimbaled		Digital SSI/MSI	122	Degraded Modes		Velocity Accuracy	
Inertial		Digital LSI & Memory	0	None		Height Accuracy	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Manual		Total IC'S	299	JAN TXV		Frequency Band	
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	327	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	626	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	125	General Purpose Computer		Automated ON line	Fault Detection	Weight	12
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.4E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	6
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	17
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	1.0E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	14
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	18	Redundant Channels	X	Memory Size	
Dedicated		Linear/Interface	60	Graceful Degrading		Interrupt Levels	
Gimbaled		Digital SSI/MSI	58	Degraded Modes		Memory I/O Rate	
Inertial		Digital LSI & Memory	0	None		# of Busses	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS		# of Registers	
Manual		Total IC'S	136	JAN TXV		# of Accumulators	
Solid State		Tubes	0	JAN TX		# of Input Ports	
Switching Regulated		Discretes	144	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	280	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	126	General Purpose Computer		Automated ON line	Fault Detection	Weight	12
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.4E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	6
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	17
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	8.6E1
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	17
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	35	Redundant Channels	X	Memory Size	
Dedicated		Linear/Interface	50	Graceful Degrading		Interrupt Levels	
Gimbaled		Digital SSI/MSI	64	Degraded Modes		Memory I/O Rate	
Inertial		Digital LSI & Memory	0	None		# of Busses	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS		# of Registers	
Manual		Total IC'S	149	JAN TXV		# of Accumulators	
Solid State		Tubes	0	JAN TX		# of Input Ports	
Switching Regulated		Discretes	178	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	327	Commercial Grade	X		

IMPLEMENTATION				FAULT CONTROL				MAJOR PARAMETERS	
EQUIPMENT ID	127	General Purpose Computer		Automated ON line				Weight	3
PROGRAM ID		BIT Microprocessor		Automated OFF line		Fault Detection		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Fault Detection		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING				Width	6
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X			Depth	6
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air				Power	
REPLACEMENT LEVEL	Piece Part			Liquid				Modules	1
								Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE				Output Rate	
Electromechanical		Hybrid	0	Redundant Channels				# of Keys	
Manual		Linear/Interface	0	Graceful Degrading	X			# of Controls	6
Gimbaled		Digital SSI/MSI	0	Degraded Modes				Resolution	
Inertial		Digital LSI & Memory	0	None				# of Lines	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS				# of Characters/Line	
Manual		Total IC'S	0	JAN TXV				Display Area	
Solid State		Tubes	0	JAN TX	X			Display Diagonal	
Switching Regulated		Discretes	3	JAN Grade	X			# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	3	Commercial Grade				Input Volts	

IMPLEMENTATION				FAULT CONTROL				MAJOR PARAMETERS	
EQUIPMENT ID	128	General Purpose Computer		Automated ON line				Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Fault Detection		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Fault Detection		Height	2
EQUIPMENT TYPE	Transducer	Hardware Controlled	X	COOLING				Width	4
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X			Depth	4
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air				Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid				Modules	1
								Voltage Output	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE				Current Output	
Acceleration		Hybrid	8	Redundant Channels	X			Power Output	
Current Output		Linear/Interface	0	Graceful Degrading				Frequency Output	
Gimbaled		Digital SSI/MSI	0	Degraded Modes				Pressure Output	
Inertial		Digital LSI & Memory	0	None				Sound Level	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS					
Manual		Total IC'S	8	JAN TXV					
Solid State		Tubes	0	JAN TX					
Switching Regulated		Discretes	1	JAN Grade					
Under 50 Volts		TOTAL ELEMENTS	9	Commercial Grade	X				

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	129	General Purpose Computer		Automated ON line		Weight	7
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	5
EQUIPMENT TYPE	Inertial Reference	Hardware Controlled	X	COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	1
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Velocity Accuracy	
Strapdown		Hybrid	0	Redundant Channels	X	Heading Accuracy	
Current Output		Linear/Interface	0	Graceful Degrading		Range	
Gimbaled		Digital SSI/MSI	0	Degraded Modes		Drift Rate	
Inertial		Digital LSI & Memory	0	None		# of Gimbals	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS		# of Gyros	2
Manual		Total IC'S	0	JAN TXV		# of Accelerometers	
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	1	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	1	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	130	General Purpose Computer		Automated ON line		Weight	3
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	2
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	4	Graceful Degrading		# of Controls	1
Servo		Digital SSI/MSI	0	Degraded Modes		Resolution	
Inertial		Digital LSI & Memory	0	None		# of Lines	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Manual		Total IC'S	4	JAN TXV		Display Area	
Solid State		Tubes	0	JAN TX		Display Diagonal	
Switching Regulated		Discretes	0	JAN Grade		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	4	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	131	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	3
EQUIPMENT TYPE	Transducer	Hardware Controlled	X	COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	1
						Voltage Output	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Current Output	
Pressure		Hybrid	0	Redundant Channels	X	Power Output	
Manual		Linear/Interface	2	Graceful Degrading		Frequency Output	
Servo		Digital SSI/MSI	0	Degraded Modes		Pressure Output	
Inertial		Digital LSI & Memory	0	None		Sound Level	
Internal Semiconductor Memory		Microprocessor	0	SCREEN CLASS			
Manual		Total IC'S	2	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	2	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	132	General Purpose Computer		Automated ON line	Fault Detection	Weight	68
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	1.1E0
CATEGORY	Controls/Displays	Software Controlled	X	Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	3.2E2
REPLACEMENT LEVEL	Equipment			Liquid		Modules	42
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
Alphanumeric		Hybrid	53	Redundant Channels		Refresh	
CRT		Linear/Interface	0	Graceful Degrading		Operating Speed	
Graphic		Digital SSI/MSI	0	Degraded Modes		Number of Keys	
Head Up		Digital LSI & Memory	0	None	X	Display Area	
Projection		Microprocessor	0	SCREEN CLASS			
Manual		Total IC'S	53	JAN TXV	X	# of Characters/Line	
Solid State		Tubes	0	JAN TX	X	# of Controls	
Switching Regulated		Discretes	218	JAN Grade	X	Accuracy	
Under 50 Volts		TOTAL ELEMENTS	271	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	133	General Purpose Computer	Automated ON line	Fault Detection	Weight	16
PROGRAM ID		BIT Microprocessor	Automated OFF line	Fault Detection	Volume	0.4E0
CATEGORY	Controls/Displays	Software Controlled X	Manual	Fault Isolation	Height	6
EQUIPMENT TYPE	Signal/Data	Hardware Controlled X	COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air		Depth	15
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air X		Power	2.0E2
REPLACEMENT LEVEL	Equipment		Liquid		Modules	16
					Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Word Length	20
Analog		Hybrid 30	Redundant Channels		Memory Size	2.0E3
Dedicated		Linear/Interface 37	Graceful Degrading		Interrupt Levels	
Digital		Digital SSI/MSI 566	Degraded Modes		Memory I/O Rate	
Internal Semiconductor Memory		Digital LSI & Memory 30	None X		# of Busses	
Projection		Microprocessor 0	SCREEN CLASS		# of Registers	
Manual		Total IC'S 663	JAN TXV X		# of Accumulators	
Solid State		Tubes 0	JAN TX X		# of Input Ports	4
Switching Regulated		Discretes 92	JAN Grade X		# of Output Ports	4
Under 50 Volts		TOTAL ELEMENTS 755	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	134	General Purpose Computer	Automated ON line	Fault Detection	Weight	46
PROGRAM ID		BIT Microprocessor	Automated OFF line	Fault Detection	Volume	0.7E0
CATEGORY	Controls/Displays	Software Controlled X	Manual	Fault Isolation	Height	8
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled X	COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air		Depth	21
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air X		Power	1.2E2
REPLACEMENT LEVEL	Equipment		Liquid		Modules	9
					Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid 23	Redundant Channels		# of Keys	
CRT		Linear/Interface 36	Graceful Degrading		# of Controls	8
Electromechanical		Digital SSI/MSI 42	Degraded Modes		Resolution	
Manual		Digital LSI & Memory 0	None X		# of Lines	
Projection		Microprocessor 0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S 101	JAN TXV X		Display Area	38
Solid State		Tubes 1	JAN TX X		Display Diagonal	
Switching Regulated		Discretes 126	JAN Grade X		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS 228	Commercial Grade		Input Volts	115

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	135	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Memory	Hardware Controlled		COOLING		Width	1
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Equipment			Liquid		Modules	4
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Retrieval Time	
Magnetic Disk		Hybrid	9	Redundant Channels		Word Length	
Non Volatile		Linear/Interface	0	Graceful Degrading		Memory Size	
Parallel		Digital SSI/MSI	0	Degraded Modes		I/O Rate	
Photographic		Digital LSI & Memory	0	None	X		
Projection		Microprocessor	0	SCREEN CLASS			
Visual		Total IC'S	9	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	9	Commercial Grade			

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	136	General Purpose Computer		Automated ON line		Weight	49
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.2E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	2.4E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	53
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
Alphanumeric		Hybrid	2	Redundant Channels		Refresh	
Control		Linear/Interface	128	Graceful Degrading		Operating Speed	
Display		Digital SSI/MSI	341	Degraded Modes		Number of Keys	
Electromechanical		Digital LSI & Memory	8	None		Display Area	
Manual		Microprocessor	0	SCREEN CLASS			
Meter		Total IC'S	479	JAN TXV		# of Characters/Line	
Optoelectronic		Tubes	0	JAN TX	X	# of Controls	22
Switching Regulated		Discretes	2,062	JAN Grade	X	Accuracy	
Under 50 Volts		TOTAL ELEMENTS	2,541	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	137	General Purpose Computer		Automated ON line		Weight	11
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	10
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	7
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	19	Graceful Degrading		# of Controls	22
Manual		Digital SSI/MSI	47	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	0	None		# of Lines	
Passive		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	66	JAN TXV		Display Area	
Optoelectronic		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	279	JAN Grade	X	# of Annunciators	20
Under 50 Volts		TOTAL ELEMENTS	345	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	138	General Purpose Computer		Automated ON line		Weight	37
PROGRAM ID		*BIT Microprocessor*		Automated OFF line		Volume	1.0E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Converter	Hardware Controlled		COOLING		Width	30
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	10
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	46
						# of Bits	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
A-D Converter		Hybrid	2	Redundant Channels		Freq. Band Input	
Audio/Voice		Linear/Interface	109	Graceful Degrading		Freq. Band Output	
Digital Data		Digital SSI/MSI	294	Degraded Modes			
Direction Finder		Digital LSI & Memory	8	None			
Monolithic		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	413	JAN TXV			
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	1,783	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	2,196	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	139	General Purpose Computer		Automated ON line		Weight	11
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.6E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
A-D Converter		Hybrid	11	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	0	Graceful Degrading		Average RF Power	
Digital Data		Digital SSI/MSI	0	Degraded Modes		Simultaneous Channel	
Direction Finder		Digital LSI & Memory	0	None		Channel Width	
Monolithic		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	5.0E0
Radio		Total IC'S	11	JAN TXV		Maximum Baud Rate	
Solid State		Tubes	0	JAN TX	X	Minimum Baud Rate	
Switching Regulated		Discretes	0	JAN Grade	X	# of Selectable Freq	
Under 50 Volts		TOTAL ELEMENTS	11	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	140	General Purpose Computer		Automated ON line		Weight	3210
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.3E2
CATEGORY	Test Equipment	Software Controlled		Manual		Height	75
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	105
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	50
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Accuracy	
Dedicated		Hybrid	0	Redundant Channels		# of Tests	
General Purpose		Linear/Interface	99	Graceful Degrading			
Manual		Digital SSI/MSI	72	Degraded Modes			
Direction Finder		Digital LSI & Memory	0	None			
Monolithic		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	171	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	946	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	1,117	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	141	General Purpose Computer		Automated ON line		Weight	3201
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.2E2
CATEGORY	Test Equipment	Software Controlled		Manual		Height	75
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	100
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	50
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	46
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Controls/Displays		Hybrid	0	Redundant Channels		Frequency Accuracy	
Dedicated		Linear/Interface	65	Graceful Degrading		# of Tests	
Manual		Digital SSI/MSI	53	Degraded Modes			
Direction Finder		Digital LSI & Memory	0	None			
Monolithic		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	118	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	1,402	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	1,520	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	142	General Purpose Computer		Automated ON line		Weight	3201
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.2E2
CATEGORY	Test Equipment	Software Controlled		Manual		Height	100
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	50
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	75
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Communication		Hybrid	0	Redundant Channels		Frequency Accuracy	
Dedicated		Linear/Interface	0	Graceful Degrading		# of Tests	
Guidance/Navigation		Digital SSI/MSI	0	Degraded Modes			
Manual		Digital LSI & Memory	0	None			
Radar		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	0	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	380	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	380	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	143	General Purpose Computer	Automated ON line		Weight	6
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	0.1E0
CATEGORY	Test Equipment	Software Controlled	Manual		Height	
EQUIPMENT TYPE		Hardware Controlled	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air		Power	2.0E1
REPLACEMENT LEVEL	Not Reported		Liquid		Modules	6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Frequency Band	
Automated		Hybrid 1	Redundant Channels		Frequency Accuracy	
Dedicated		Linear/Interface 21	Graceful Degrading		# of Tests	8
Guidance/Navigation		Digital SSI/MSI 27	Degraded Modes			
Manual		Digital LSI & Memory 0	None			
Radar		Microprocessor 0	SCREEN CLASS			
Radio		Total IC'S 49	JAN TXV			
Solid State		Tubes 0	JAN TX			
Switching Regulated		Discretes 79	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS 128	Commercial Grade	X		

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	144	General Purpose Computer	Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	0.1E0
CATEGORY	Test Equipment	Software Controlled	Manual		Height	5
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air		Power	
REPLACEMENT LEVEL	Not Reported		Liquid		Modules	5
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Input Rate	
Audible		Hybrid 0	Redundant Channels		Output Rate	
Dedicated		Linear/Interface 21	Graceful Degrading		# of Keys	
Guidance/Navigation		Digital SSI/MSI 27	Degraded Modes		# of Controls	
Manual		Digital LSI & Memory 0	None		Resolution	
Radar		Microprocessor 0	SCREEN CLASS		# of Lines	
Radio		Total IC'S 48	JAN TXV		# of Characters/Line	
Solid State		Tubes 0	JAN TX		Display Area	
Switching Regulated		Discretes 79	JAN Grade	X	Display Diagonal	
Under 50 Volts		TOTAL ELEMENTS 127	Commercial Grade		# of Annunciators	9
					Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	145	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Test Equipment	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Transducer	Hardware Controlled		COOLING		Width	2
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	3
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Voltage Output	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Current Output	
Acceleration		Hybrid	0	Redundant Channels		Power Output	
Voltage Output		Linear/Interface	1	Graceful Degrading		Frequency Output	
Guidance/Navigation		Digital SSI/MSI	0	Degraded Modes		Pressure Output	
Manual		Digital LSI & Memory	0	None		Sound Level	
Radar		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	1	JAN TXV			
Solid State		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	1	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	146	General Purpose Computer		Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	7
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	9
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Nonlinear		Hybrid	11	Redundant Channels		Peak Power Out	
Solid State		Linear/Interface	0	Graceful Degrading		Average Power Out	
Video Monitor		Digital SSI/MSI	0	Degraded Modes		Duty Cycle	
Manual		Digital LSI & Memory	0	None			
Radar		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	11	JAN TXV			
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	0	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	11	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	147	General Purpose Computer		Automated ON line		Weight	6
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Communications	Software Controlled		Manual		Height	11
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	11
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Directional		Hybrid	0	Redundant Channels		Gain	
Fixed		Linear/Interface	0	Graceful Degrading		Effective Area	
Helical		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Manual		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Radar		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Radio		Total IC'S	0	JAN TXV		Scan Sector Width	
Solid State		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	148	General Purpose Computer		Automated ON line	Fault Detection	Weight	42
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.7E0
CATEGORY	Controls/Displays	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	3.0E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	33
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
Graphic		Hybrid	36	Redundant Channels		Refresh	
Non-Interactive		Linear/Interface	64	Graceful Degrading		Operating Speed	
Helical		Digital SSI/MSI	398	Degraded Modes		Number of Keys	
Manual		Digital LSI & Memory	21	None		Display Area	16
Radar		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	519	JAN TXV		# of Characters/Line	
Solid State		Tubes	1	JAN TX		# of Controls	4
Switching Regulated		Discretes	424	JAN Grade	X	Accuracy	
Under 50 Volts		TOTAL ELEMENTS	944	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	149	General Purpose Computer		Automated ON line	Fault Detection	Weight	21
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	X	COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	14
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	16
						Clock Frequency	2.4E7
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	9	Redundant Channels		Memory Size	
Dedicated		Linear/Interface	61	Graceful Degrading		Interrupt Levels	
Digital		Digital SSI/MSI	394	Degraded Modes		Memory I/O Rate	
Internal Semiconductor Memory		Digital LSI & Memory	21	None		# of Busses	4
Serial		Microprocessor	0	SCREEN CLASS		# of Registers	
Stored Program		Total IC'S	485	JAN TXV		# of Accumulators	
Synchronous		Tubes	0	JAN TX		# of Input Ports	4
Switching Regulated		Discretes	388	JAN Grade	X	# of Output Ports	8
Under 50 Volts		TOTAL ELEMENTS	873	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	150	General Purpose Computer		Automated ON line		Weight	21
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Controls/Displays	Software Controlled		Manual	Reconfiguration	Height	5
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	15
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	17
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	27	Redundant Channels		# of Keys	
Manual		Linear/Interface	3	Graceful Degrading		# of Controls	4
Mechanical		Digital SSI/MSI	4	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	0	None		# of Lines	
Serial		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Stored Program		Total IC'S	34	JAN TXV		Display Area	16
Synchronous		Tubes	1	JAN TX		Display Diagonal	
Switching Regulated		Discretes	36	JAN Grade	X	# of Annunciators	1
Under 50 Volts		TOTAL ELEMENTS	71	Commercial Grade		Input Volts	115

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	151	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	9	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	38	Graceful Degrading		Average RF Power	1.0E1
Continuous Wave		Digital SSI/MSI	51	Degraded Modes		Simultaneous Channel	1
Half Duplex		Digital LSI & Memory	0	None		Channel Width	2.5E4
Radio		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Solid State		Total IC'S	98	JAN TXV		Maximum Baud Rate	
Transceiver		Tubes	0	JAN TX	X	Minimum Baud Rate	
Switching Regulated		Discretes	362	JAN Grade	X	# of Selectable Freq	20
Under 50 Volts		TOTAL ELEMENTS	460	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	152	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	5	Graceful Degrading		# of Controls	5
Continuous Wave		Digital SSI/MSI	15	Degraded Modes		Resolution	
Half Duplex		Digital LSI & Memory	0	None		# of Lines	
Radio		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Solid State		Total IC'S	20	JAN TXV		Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	89	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	109	Commercial Grade		Input Volts	

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	153	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	7	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	3	Graceful Degrading		# of Controls	
Flat Panel		Digital SSI/MSI	11	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None		# of Lines	
Radio		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Solid State		Total IC'S	21	JAN TXV		Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	28	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	49	Commercial Grade		Input Volts	

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	154	General Purpose Computer		Automated ON line		Weight	6
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	2	Redundant Channels		Average Power Out	1.0E0
Continuous Wave		Linear/Interface	30	Graceful Degrading		# of Selectable Frequencies	20
Tube		Digital SSI/MSI	35	Degraded Modes			
Voice		Digital LSI & Memory	0	None		Frequency Stability	
Radio		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Solid State		Total IC'S	67	JAN TXV		Receiver Sensitivity	4.0E0
Transceiver		Tubes	0	JAN TX	X	Pulse Repetition Frequency	
Switching Regulated		Discretes	245	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	312	Commercial Grade			

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	155	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	5	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	27	Graceful Degrading		Average RF Power	1.0E1
Continuous Wave		Digital SSI/MSI	42	Degraded Modes		Simultaneous Channel	1
Half Duplex		Digital LSI & Memory	0	None		Channel Width	2.5E4
Radio		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Solid State		Total IC'S	74	JAN TXV		Maximum Baud Rate	
Transceiver		Tubes	0	JAN TX		Minimum Baud Rate	
Switching Regulated		Discretes	169	JAN Grade	X	# of Selectable Freq	20
Under 50 Volts		TOTAL ELEMENTS	243	Commercial Grade		Frequency Stability	
						Duty Cycle	

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	156	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	6	Graceful Degrading		# of Controls	
Continuous Wave		Digital SSI/MSI	18	Degraded Modes		Resolution	
Half Duplex		Digital LSI & Memory	0	None		# of Lines	
Radio		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Solid State		Total IC'S	24	JAN TXV		Display Area	
Transceiver		Tubes	0	JAN TX		Display Diagonal	
Switching Regulated		Discretes	7	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	31	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	157	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	0	Graceful Degrading		# of Controls	
Flat Panel		Digital SSI/MSI	0	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None		# of Lines	
Radio		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Solid State		Total IC'S	0	JAN TXV		Display Area	
Transceiver		Tubes	0	JAN TX		Display Diagonal	
Switching Regulated		Discretes	0	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	158	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	5	Redundant Channels		Average Power Out	1.0E0
Ballistic		Linear/Interface	21	Graceful Degrading		# of Selectable Frequencies	20
Continuous Wave		Digital SSI/MSI	24	Degraded Modes		Frequency Stability	
Tube		Digital LSI & Memory	0	None		Digital Data Rate	
Radio		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Solid State		Total IC'S	50	JAN TXV		Pulse Repetition Frequency	
Transceiver		Tubes	0	JAN TX			
Switching Regulated		Discretes	162	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	212	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	159	General Purpose Computer		Automated ON line		Weight	17
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.9E0
CATEGORY	Communications	Software Controlled		Manual		Height	10
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	30
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.1E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	8
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	0	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	69	Graceful Degrading		Average RF Power	1.0E1
Continuous Wave		Digital SSI/MSI	63	Degraded Modes		Simultaneous Channel	2
Half Duplex		Digital LSI & Memory	0	None	X	Channel Width	2.5E4
Solid State		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Testability		Total IC'S	132	JAN TXV	X	Maximum Baud Rate	
Transceiver		Tubes	0	JAN TX	X	Minimum Baud Rate	
Switching Regulated		Discretes	388	JAN Grade	X	# of Selectable Freq	20
Under 50 Volts		TOTAL ELEMENTS	520	Commercial Grade	X	Frequency Stability	
						Duty Cycle	17.0

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	160	General Purpose Computer		Automated ON line		Weight	17
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.9E0
CATEGORY	Communications	Software Controlled		Manual		Height	10
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	30
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.1E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	8
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	0	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	69	Graceful Degrading		Average RF Power	1.0E1
Continuous Wave		Digital SSI/MSI	63	Degraded Modes		Simultaneous Channel	2
Half Duplex		Digital LSI & Memory	0	None	X	Channel Width	2.5E4
Solid State		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Testability		Total IC'S	132	JAN TXV	X	Maximum Baud Rate	
Transceiver		Tubes	0	JAN TX	X	Minimum Baud Rate	
Switching Regulated		Discretes	388	JAN Grade	X	# of Selectable Freq	20
Under 50 Volts		TOTAL ELEMENTS	520	Commercial Grade	X	Frequency Stability	
						Duty Cycle	17.0

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	161	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.0E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	9
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	16	Graceful Degrading		# of Controls	13
Manual		Digital SSI/MSI	8	Degraded Modes		Resolution	
Half Duplex		Digital LSI & Memory	0	None	X	# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Testability		Total IC'S	24	JAN TXV	X	Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	129	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	153	Commercial Grade	X	Input Volts	28

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	162	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		*Automated OFF line*		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.0E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	9
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	16	Graceful Degrading		# of Controls	13
Manual		Digital SSI/MSI	8	Degraded Modes		Resolution	
Half Duplex		Digital LSI & Memory	0	None	X	# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Testability		Total IC'S	24	JAN TXV	X	Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	129	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	153	Commercial Grade	X	Input Volts	28

IMPLEMENTATION				FAULT CONTROL				MAJOR PARAMETERS	
EQUIPMENT ID	163	General Purpose Computer		Automated ON line				Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line				Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual				Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING				Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X			Depth	5
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air				Power	1.0E1
REPLACEMENT LEVEL	Not Reported			Liquid				Modules	9
								Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE				Output Rate	
Audible		Hybrid	0	Redundant Channels				# of Keys	
Electromechanical		Linear/Interface	16	Graceful Degrading				# of Controls	13
Manual		Digital SSI/MSI	8	Degraded Modes				Resolution	
Half Duplex		Digital LSI & Memory	0	None	X			# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS				# of Characters/Line	
Testability		Total IC'S	24	JAN TXV	X			Display Area	
Transceiver		Tubes	0	JAN TX	X			Display Diagonal	
Switching Regulated		Discretes	129	JAN Grade	X			# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	153	Commercial Grade	X			Input Volts	28

IMPLEMENTATION				FAULT CONTROL				MAJOR PARAMETERS	
EQUIPMENT ID	164	General Purpose Computer		Automated ON line				Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line				Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual				Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING				Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X			Depth	5
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air				Power	1.0E1
REPLACEMENT LEVEL	Not Reported			Liquid				Modules	9
								Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE				Output Rate	
Audible		Hybrid	0	Redundant Channels				# of Keys	
Electromechanical		Linear/Interface	16	Graceful Degrading				# of Controls	13
Manual		Digital SSI/MSI	8	Degraded Modes				Resolution	
Half Duplex		Digital LSI & Memory	0	None	X			# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS				# of Characters/Line	
Testability		Total IC'S	24	JAN TXV	X			Display Area	
Transceiver		Tubes	0	JAN TX	X			Display Diagonal	
Switching Regulated		Discretes	129	JAN Grade	X			# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	153	Commercial Grade	X			Input Volts	28

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	165	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.0E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	9
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	16	Graceful Degrading		# of Controls	13
Manual		Digital SSI/MSI	8	Degraded Modes		Resolution	
Half Duplex		Digital LSI & Memory	0	None	X	# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Testability		Total IC'S	24	JAN TXV	X	Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	129	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	153	Commercial Grade	X	Input Volts	28

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	166	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	2
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	4
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	12	Graceful Degrading		# of Controls	
Flat Panel		Digital SSI/MSI	16	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None	X	# of Lines	1
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	5
Testability		Total IC'S	28	JAN TXV	X	Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	89	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	117	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	167	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	2
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	4
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	12	Graceful Degrading		# of Controls	
Flat Panel		Digital SSI/MSI	16	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None	X	# of Lines	1
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	5
Testability		Total IC'S	28	JAN TXV	X	Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	89	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	117	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	168	General Purpose Computer		Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Communications	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	20
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	UHF
Passive		Hybrid	0	Redundant Channels		Power Level	
Power		Linear/Interface	0	Graceful Degrading			
Signal		Digital SSI/MSI	0	Degraded Modes			
Visual		Digital LSI & Memory	0	None	X		
Solid State		Microprocessor	0	SCREEN CLASS			
Testability		Total IC'S	0	JAN TXV			
Transceiver		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	169	General Purpose Computer		Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Communications	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	20
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	UHF
Passive		Hybrid	0	Redundant Channels		Power Level	
Power		Linear/Interface	0	Graceful Degrading			
Signal		Digital SSI/MSI	0	Degraded Modes			
Visual		Digital LSI & Memory	0	None	X		
Solid State		Microprocessor	0	SCREEN CLASS			
Testability		Total IC'S	0	JAN TXV			
Transceiver		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	170	General Purpose Computer		Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.5E0
CATEGORY	Communications	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	11
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	23
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	UHF
Passive		Hybrid	0	Redundant Channels		Power Level	
Power		Linear/Interface	0	Graceful Degrading			
Signal		Digital SSI/MSI	0	Degraded Modes			
Visual		Digital LSI & Memory	0	None	X		
Solid State		Microprocessor	0	SCREEN CLASS			
Testability		Total IC'S	0	JAN TXV			
Transceiver		Tubes	0	JAN TX			
Switching Regulated		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	171	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Power Supply	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Outputs	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Voltage Out # 1	230
DC Output		Hybrid	0	Redundant Channels		Voltage Out # 2	
Fixed Voltage Output		Linear/Interface	1	Graceful Degrading		Voltage Out # 3	
Over 150 Volts		Digital SSI/MSI	0	Degraded Modes		Current Out # 1	
Solid State		Digital LSI & Memory	0	None	X	Current Out # 2	
Solid State		Microprocessor	0	SCREEN CLASS		Current Out # 3	
Testability		Total IC'S	1	JAN TXV		Percent Regulation 1	
Trarsceiver		Tubes	0	JAN TX	X	Percent Regulation 2	
Switching Regulated		Discretes	12	JAN Grade		Percent Regulation 3	
Under 50 Volts		TOTAL ELEMENTS	13	Commercial Grade		Input Frequency	
						Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	172	General Purpose Computer		Automated ON line		Weight	8
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.1E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	0	Redundant Channels		Average Power Out	6.0E0
Continuous Wave		Linear/Interface	41	Graceful Degrading		# of Selectable Frequencies	20
Secure		Digital SSI/MSI	39	Degraded Modes		Frequency Stability	
Solid State		Digital LSI & Memory	0	None	X	Digital Data Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Voice		Total IC'S	80	JAN TXV	X	Pulse Repetition Frequency	
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	170	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	250	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	173	General Purpose Computer		Automated ON line		Weight	8
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.1E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	0	Redundant Channels		Average Power Out	6.0E0
Continuous Wave		Linear/Interface	41	Graceful Degrading		# of Selectable Frequencies	20
Secure		Digital SSI/MSI	39	Degraded Modes		Frequency Stability	
Solid State		Digital LSI & Memory	0	None	X	Digital Data Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Voice		Total IC'S	80	JAN TXV	X	Pulse Repetition Frequency	
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	170	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	250	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	174	General Purpose Computer		Automated ON line		Weight	9
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	9
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.1E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	0	Redundant Channels		Average Power Out	6.0E0
Continuous Wave		Linear/Interface	48	Graceful Degrading		# of Selectable Frequencies	20
Secure		Digital SSI/MSI	36	Degraded Modes		Frequency Stability	
Solid State		Digital LSI & Memory	0	None	X	Digital Data Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Voice		Total IC'S	84	JAN TXV	X	Pulse Repetition Frequency	
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	275	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	359	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	175	General Purpose Computer		Automated ON line		Weight	9
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air	X	Depth	9
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	1.1E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	0	Redundant Channels		Average Power Out	6.0E0
Continuous Wave		Linear/Interface	48	Graceful Degrading		# of Selectable Frequencies	20
Secure		Digital SSI/MSI	36	Degraded Modes		Frequency Stability	
Solid State		Digital LSI & Memory	0	None	X	Digital Data Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	4.0E0
Voice		Total IC'S	84	JAN TXV	X	Pulse Repetition Frequency	
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	275	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	359	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	176	General Purpose Computer		Automated ON line	Fault Detection	Weight	319
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	5.4E0
CATEGORY	Radar	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	35
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Digital Data		Hybrid	168	Redundant Channels		Channel Width	
Digital Signal Processing		Linear/Interface	556	Graceful Degrading		Digital Data Rate	
Radar		Digital SSI/MSI	1,294	Degraded Modes		# of Selectable Frequencies	
Solid State		Digital LSI & Memory	4	None		Frequency Band	
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Voice		Total IC'S	2,022	JAN TXV			
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	1,829	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	3,851	Commercial Grade	X		

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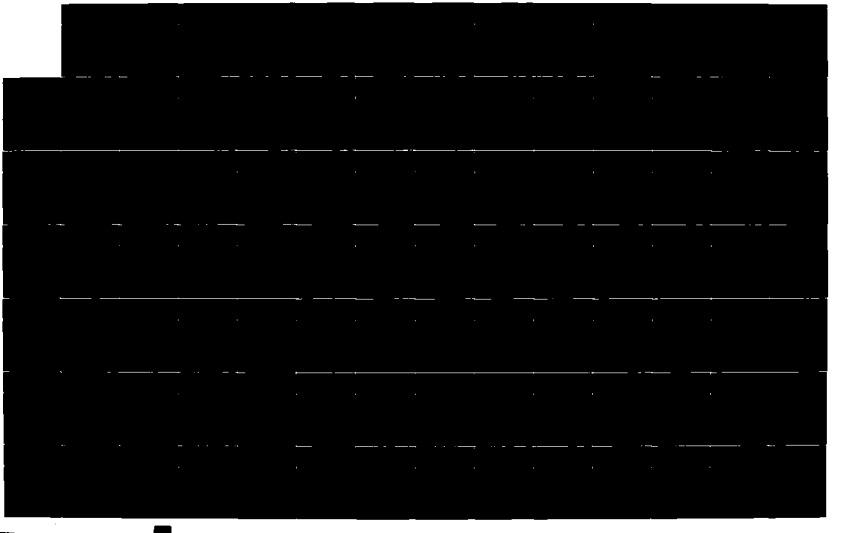

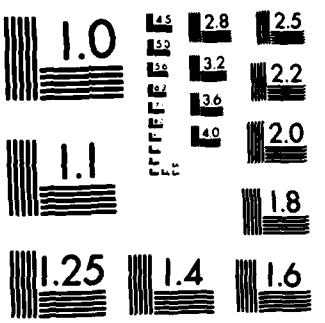

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		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	177	General Purpose Computer		Automated ON line	Fault Detection	Weight	22
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.7E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
Digital		Hybrid	24	Redundant Channels		Word Length	
Digital Signal Processing		Linear/Interface	237	Graceful Degrading		Memory Size	
Radar		Digital SSI/MSI	899	Degraded Modes		Interrupt Levels	
Solid State		Digital LSI & Memory	0	None		Memory I/O Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Busses	
Voice		Total IC'S	1,160	JAN TXV		# of Registers	
Transceiver		Tubes	0	JAN TX	X	# of Accumulators	
Switching Regulated		Discretes	104	JAN Grade	X	# of Input Ports	
Under 50 Volts		TOTAL ELEMENTS	1,264	Commercial Grade		# of Output Ports	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	178	General Purpose Computer		Automated ON line	Fault Detection	Weight	19
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.4E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
Analog		Hybrid	12	Redundant Channels		Word Length	
Digital		Linear/Interface	66	Graceful Degrading		Memory Size	
Radar		Digital SSI/MSI	260	Degraded Modes		Interrupt Levels	
Solid State		Digital LSI & Memory	0	None		Memory I/O Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Busses	
Voice		Total IC'S	338	JAN TXV		# of Registers	
Transceiver		Tubes	0	JAN TX	X	# of Accumulators	
Switching Regulated		Discretes	114	JAN Grade	X	# of Input Ports	
Under 50 Volts		TOTAL ELEMENTS	452	Commercial Grade		# of Output Ports	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	179	General Purpose Computer		Automated ON line	Fault Detection	Weight	21
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.3E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	10
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	16
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	5.5E1
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	12
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	13	Redundant Channels		Memory Size	
Dedicated		Linear/Interface	21	Graceful Degrading		Interrupt Levels	
Digital		Digital SSI/MSI	7	Degraded Modes		Memory I/O Rate	
Solid State		Digital LSI & Memory	0	None		# of Busses	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Registers	
Voice		Total IC'S	41	JAN TXV		# of Accumulators	
Transceiver		Tubes	0	JAN TX	X	# of Input Ports	
Switching Regulated		Discretes	251	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	292	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	180	General Purpose Computer		Automated ON line	Fault Detection	Weight	13
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.2E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	10
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	3.5E1
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	11
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Dedicated		Hybrid	4	Redundant Channels		Memory Size	
Digital		Linear/Interface	12	Graceful Degrading		Interrupt Levels	
Digital		Digital SSI/MSI	7	Degraded Modes		Memory I/O Rate	
Solid State		Digital LSI & Memory	0	None		# of Busses	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Registers	
Voice		Total IC'S	23	JAN TXV		# of Accumulators	
Transceiver		Tubes	0	JAN TX	X	# of Input Ports	
Switching Regulated		Discretes	69	JAN Grade	X	# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	92	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	181	General Purpose Computer		Automated ON line	Fault Detection	Weight	33
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	1.1E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	10
EQUIPMENT TYPE	Frequency/Timing Gen.	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	23
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	1.4E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	17
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Referency Frequency	1.6E8
Analog		Hybrid	32	Redundant Channels		Frequency Drift	
Digital		Linear/Interface	52	Graceful Degrading		Output Frequency	
Digital		Digital SSI/MSI	80	Degraded Modes		Output Voltage	
Solid State		Digital LSI & Memory	0	None		Output Impedance	
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Voice		Total IC'S	164	JAN TXV			
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	126	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	290	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	182	General Purpose Computer		Automated ON line	Fault Detection	Weight	49
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.7E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	10
EQUIPMENT TYPE	Power Supply	Hardware Controlled		COOLING		Width	21
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	7
SFLF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	3.3E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	6
						# of Outputs	16
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Voltage Out # 1	5
AC Input		Hybrid	0	Redundant Channels		Voltage Out # 2	24
Between 50-150 Volts		Linear/Interface	56	Graceful Degrading		Voltage Out # 3	75
DC Output		Digital SSI/MSI	12	Degraded Modes		Current Out # 1	
Fixed Voltage Output		Digital LSI & Memory	0	None		Current Out # 2	
Solid State		Microprocessor	0	SCREEN CLASS		Current Out # 3	
Under 50 Volts		Total IC'S	68	JAN TXV		Percent Regulation 1	
Transceiver		Tubes	0	JAN TX	X	Percent Regulation 2	
Switching Regulated		Discretes	840	JAN Grade	X	Percent Regulation 3	
Under 50 Volts		TOTAL ELEMENTS	908	Commercial Grade		Input Frequency	
						Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	183	General Purpose Computer		Automated ON line	Fault Detection	Weight	39
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.6E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	21
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	9
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	13
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	2.8E1
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Sensitivity	
Digital Data		Hybrid	35	Redundant Channels		# of Simultaneous Channels	
Digital Signal Processing		Linear/Interface	20	Graceful Degrading		Channel Width	
Radar		Digital SSI/MSI	6	Degraded Modes		Digital Data Rate	
Solid State		Digital LSI & Memory	2	None		# of Selectable Frequencies	
Solid State		Microprocessor	0	SCREEN CLASS		Frequency Band	
Under 50 Volts		Total IC'S	63	JAN TXV			
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	60	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	123	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	184	General Purpose Computer		Automated ON line	Fault Detection	Weight	20
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.2E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	17
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	2.5E1
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Sensitivity	
Digital Data		Hybrid	31	Redundant Channels		# of Simultaneous Channels	
Digital Signal Processing		Linear/Interface	13	Graceful Degrading		Channel Width	
Radar		Digital SSI/MSI	4	Degraded Modes		Digital Data Rate	
Solid State		Digital LSI & Memory	2	None		# of Selectable Frequencies	
Solid State		Microprocessor	0	SCREEN CLASS		Frequency Band	
Under 50 Volts		Total IC'S	50	JAN TXV			
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	41	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	91	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	185	General Purpose Computer		Automated ON line	Fault Detection	Weight	30
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.4E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	7
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	15
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	4.4E1
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	6
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Digital Data		Hybrid	7	Redundant Channels		Channel Width	
Digital Signal Processing		Linear/Interface	75	Graceful Degrading		Digital Data Rate	
Radar		Digital SSI/MSI	14	Degraded Modes		# of Selectable Frequencies	
Solid State		Digital LSI & Memory	0	None		Frequency Band	
Solid State		Microprocessor	0	SCREEN CLASS			
Under 50 Volts		Total IC'S	96	JAN TXV			
Transceiver		Tubes	0	JAN TX	X		
Switching Regulated		Discretes	212	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	308	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	186	General Purpose Computer		Automated ON line	Fault Detection	Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.1E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	1
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	2.0E0
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	2
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	10	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	4	Graceful Degrading		# of Controls	
Radar		Digital SSI/MSI	5	Degraded Modes		Resolution	
Solid State		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Under 50 Volts		Total IC'S	19	JAN TXV		Display Area	
Transceiver		Tubes	0	JAN TX	X	Display Diagonal	
Switching Regulated		Discretes	12	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	31	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	187	General Purpose Computer		Automated ON line		Weight	98
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.0E0
CATEGORY	Controls/Displays	Software Controlled	X	Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air	X	Power	7.3E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	71
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	196	Redundant Channels		# of Keys	11
Automatic		Linear/Interface	165	Graceful Degrading		# of Controls	59
CRT		Digital SSI/MSI	38	Degraded Modes		Resolution	
Flat Panel		Digital LSI & Memory	7	None		# of Lines	
Graphic		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Internal Semiconductor Memory		Total IC'S	406	JAN TXV		Display Area	
Manual		Tubes	4	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	466	JAN Grade	X	# of Annunciators	67
Under 50 Volts		TOTAL ELEMENTS	876	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	188	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled	X	Manual	Reconfiguration	Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	6
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	7	Redundant Channels		# of Keys	11
Flat Panel		Linear/Interface	7	Graceful Degrading		# of Controls	5
Graphic		Digital SSI/MSI	1	Degraded Modes		Resolution	
Internal Semiconductor Memory		Digital LSI & Memory	0	None		# of Lines	
Manual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Optoelectronic		Total IC'S	15	JAN TXV		Display Area	
Manual		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	2	JAN Grade	X	# of Annunciators	11
Under 50 Volts		TOTAL ELEMENTS	17	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	189	General Purpose Computer		Automated ON line		Weight	34
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.6E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Converter	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	23
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		*Modules*	17
						# of Bits	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
Discrete Components		Hybrid	55	Redundant Channels		Freq. Band Input	
Hybrid		Linear/Interface	56	Graceful Degrading		Freq. Band Output	
Monolithic		Digital SSI/MSI	10	Degraded Modes			
Parallel		Digital LSI & Memory	7	None			
Manual		Microprocessor	0	SCREEN CLASS			
Optoelectronic		Total IC'S	128	JAN TXV			
Manual		Tubes	0	JAN TX	X		
Optoelectronic		Discretes	104	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	232	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	190	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	*0.1E0*
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	3
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	3	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	9	Graceful Degrading		# of Controls	3
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Optoelectronic		Digital LSI & Memory	0	None		# of Lines	
Manual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Optoelectronic		Total IC'S	12	JAN TXV		Display Area	
Manual		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	0	JAN Grade	X	# of Annunciators	11
Under 50 Volts		TOTAL ELEMENTS	12	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	191	General Purpose Computer		Automated ON line		Weight	23
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.6E0
CATEGORY	Controls/Displays	Software Controlled	X	Manual	Reconfiguration	Height	10
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	11
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	16
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	45	Redundant Channels		# of Keys	
CRT		Linear/Interface	36	Graceful Degrading		# of Controls	17
Flat Panel		Digital SSI/MSI	12	Degraded Modes		Resolution	
Graphic		Digital LSI & Memory	0	None		# of Lines	
Manual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Optoelectronic		Total IC'S	93	JAN TXV		Display Area	36
Manual		Tubes	1	JAN TX	X	Display Diagonal	6
Optoelectronic		Discretes	149	JAN Grade	X	# of Annunciators	13
Under 50 Volts		TOTAL ELEMENTS	243	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	192	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Controls/Displays	Software Controlled	X	Manual	Reconfiguration	Height	9
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	10
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	21
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	74	Redundant Channels		# of Keys	
CRT		Linear/Interface	54	Graceful Degrading		# of Controls	34
Flat Panel		Digital SSI/MSI	15	Degraded Modes		Resolution	
Graphic		Digital LSI & Memory	0	None		# of Lines	
Manual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Optoelectronic		Total IC'S	143	JAN TXV		Display Area	12
Manual		Tubes	2	JAN TX	X	Display Diagonal	3
Optoelectronic		Discretes	153	JAN Grade	X	# of Annunciators	31
Under 50 Volts		TOTAL ELEMENTS	298	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	193	General Purpose Computer		Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled	X	Manual	Reconfiguration	Height	4
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	7
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	12	Redundant Channels		# of Keys	
Automatic		Linear/Interface	6	Graceful Degrading		# of Controls	
CRT		Digital SSI/MSI	0	Degraded Modes		Resolution	
Graphic		Digital LSI & Memory	0	None		# of Lines	
Manual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Optoelectronic		Total IC'S	18	JAN TXV		Display Area	36
Manual		Tubes	1	JAN TX	X	Display Diagonal	6
Optoelectronic		Discretes	39	JAN Grade	X	# of Annunciators	1
Under 50 Volts		TOTAL ELEMENTS	58	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	194	General Purpose Computer		Automated ON line		Weight	6
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Power Supply	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						# of Outputs	2
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Voltage Out # 1	14
AC Input		Hybrid	0	Redundant Channels		Voltage Out # 2	28
DC Output		Linear/Interface	0	Graceful Degrading		Voltage Out # 3	
Over Voltage Protection		Digital SSI/MSI	0	Degraded Modes		Current Out # 1	
Solid State		Digital LSI & Memory	0	None		Current Out # 2	
Under 50 Volts		Microprocessor	0	SCREEN CLASS		Current Out # 3	
Variable Frequency		Total IC'S	0	JAN TXV		Percent Regulation 1	
Manual		Tubes	0	JAN TX	X	Percent Regulation 2	
Optoelectronic		Discretes	19	JAN Grade	X	Percent Regulation 3	
Under 50 Volts		TOTAL ELEMENTS	19	Commercial Grade	X	Input Frequency	
						Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	195	General Purpose Computer	X	Automated ON line		Weight	54
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	1.1E0
CATEGORY	Radar	Software Controlled	X	Manual	Reconfiguration	Height	18
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	14
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air	X	Power	2.8E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	18
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	1.0E6
Digital		Hybrid	84	Redundant Channels		Word Length	16
General Purpose		Linear/Interface	201	Graceful Degrading		Memory Size	6.6E4
Int Processor Mag Core Memory		Digital SSI/MSI	1,127	Degraded Modes		Interrupt Levels	24
Parallel		Digital LSI & Memory	33	None		Memory I/O Rate	
Under 50 Volts		Microprocessor	0	SCREEN CLASS		# of Busses	1
Variable Frequency		Total IC'S	1,445	JAN TXV	X	# of Registers	10
Manual		Tubes	0	JAN TX		# of Accumulators	
Optoelectronic		Discretes	1,179	JAN Grade		# of Input Ports	2
Under 50 Volts		TOTAL ELEMENTS	2,624	Commercial Grade		# of Output Ports	2

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	196	General Purpose Computer		Automated ON line	Fault Detection	Weight	14
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	0.1E0
CATEGORY	Radar	Software Controlled	X	Manual	Fault Isolation	Height	9
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	3.2E1
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Sensitivity	
Digital Data		Hybrid	35	Redundant Channels		# of Simultaneous Channels	
Digital Signal Processing		Linear/Interface	0	Graceful Degrading		Channel Width	
Radar		Digital SSI/MSI	0	Degraded Modes		Digital Data Rate	
Solid State		Digital LSI & Memory	0	None		# of Selectable Frequencies	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Frequency Band	
Variable Frequency		Total IC'S	35	JAN TXV			
Manual		Tubes	0	JAN TX	X		
Optoelectronic		Discretes	6	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	41	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	197	General Purpose Computer		Automated ON line		Weight	76
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.2E0
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	4.5E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	1	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	42	Graceful Degrading		Average RF Power	2.0E1
Radio		Digital SSI/MSI	30	Degraded Modes		Simultaneous Channel	1
Secure Communication/Vocode		Digital LSI & Memory	0	None		Channel Width	2.5E4
Solid State		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	3.0E0
Transceiver		Total IC'S	73	JAN TXV		Maximum Baud Rate	
Wide Band		Tubes	0	JAN TX	X	Minimum Baud Rate	90.0
Optoelectronic		Discretes	405	JAN Grade	X	# of Selectable Freq	
Under 50 Volts		TOTAL ELEMENTS	478	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	198	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	0	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	0	Graceful Degrading		# of Controls	9
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Servo		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Transceiver		Total IC'S	0	JAN TXV		Display Area	
Wide Band		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	16	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	16	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	199	General Purpose Computer		Automated ON line		Weight	75
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.1E0
CATEGORY	Communications	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	19
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	21
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	4.5E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	11
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	UHF
Amplitude Modulation		Hybrid	1	Redundant Channels		Peak Power Out	
Secure		Linear/Interface	42	Graceful Degrading		Average Power Out	2.0E1
Variable Frequency		Digital SSI/MSI	30	Degraded Modes		# of Selectable Frequencies	
Voice		Digital LSI & Memory	0	None		Frequency Stability	
Solid State		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Transceiver		Total IC'S	73	JAN TXV		Receiver Sensitivity	3.0E0
Wide Band		Tubes	0	JAN TX	X	Pulse Repetition Frequency	
Optoelectronic		Discretes	389	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	462	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	200	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	6.0E3
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	X
Magnetron		Hybrid	0	Redundant Channels		Detection Range	50.0
Multichannel/Multifrequency		Linear/Interface	192	Graceful Degrading		Peak RF Power	1.4E5
Oscillating		Digital SSI/MSI	0	Degraded Modes		Average RF Power	1.1E2
Surveillance/Search		Digital LSI & Memory	0	None		PRF	1600
Solid State		Microprocessor	0	SCREEN CLASS		AZ Coverage/Angle	360.0
Transceiver		Total IC'S	192	JAN TXV	X	Scan Rate	12.0
Wide Band		Tubes	3	JAN TX	X	Polarization	H
Optoelectronic		Discretes	917	JAN Grade	X	Beam Width	2.5
Under 50 Volts		TOTAL ELEMENTS	1,112	Commercial Grade		Elev. Coverage/Angle	30.0
						Target Size	
						Antenna Gain	34.0

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	201	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Amplifier, Audio	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	6.0E3
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	50.0
Multichannel/Multifrequency		Hybrid	0	Redundant Channels		Peak Power Out	1.4E5
Nonlinear		Linear/Interface	192	Graceful Degrading		Average Power Out	1.1E2
Oscillating		Digital SSI/MSI	0	Degraded Modes		Duty Cycle	1600
Surveillance/Search		Digital LSI & Memory	0	None			360.0
Solid State		Microprocessor	0	SCREEN CLASS			12.0
Transceiver		Total IC'S	192	JAN TXV	X		H
Wide Band		Tubes	3	JAN TX	X		2.5
Optoelectronic		Discretes	917	JAN Grade	X		30.0
Under 50 Volts		TOTAL ELEMENTS	1,112	Commercial Grade			34.0

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	202	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	2
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	H
Azimuth Scanning		Hybrid	0	Redundant Channels		Gain	34.0
Directional		Linear/Interface	0	Graceful Degrading		Effective Area	
Horizontally Stabilized		Digital SSI/MSI	0	Degraded Modes		Beam Width	2.5
Surveillance/Search		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Solid State		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Transceiver		Total IC'S	0	JAN TXV	X	Scan Sector Width	
Wide Band		Tubes	0	JAN TX			
Optoelectronic		Discretes	3	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	3	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	203	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	2
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	H
Azimuth Scanning		Hybrid	0	Redundant Channels		Gain	34.0
Directional		Linear/Interface	0	Graceful Degrading		Effective Area	
Horizontally Stabilized		Digital SSI/MSI	0	Degraded Modes		Beam Width	2.5
Surveillance/Search		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Solid State		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Transceiver		Total IC'S	0	JAN TXV	X	Scan Sector Width	
Wide Band		Tubes	0	JAN TX			
Optoelectronic		Discretes	3	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	3	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	204	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	0	Graceful Degrading		# of Controls	6
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Surveillance/Search		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Transceiver		Total IC'S	0	JAN TXV		Display Area	
Wide Band		Tubes	0	JAN TX		Display Diagonal	
Optoelectronic		Discretes	1	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	1	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	205	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	0	Graceful Degrading		# of Controls	6
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Surveillance/Search		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Transceiver		Total IC'S	0	JAN TXV		Display Area	
Wide Band		Tubes	0	JAN TX		Display Diagonal	
Optoelectronic		Discretes	1	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	1	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	206	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	3	Graceful Degrading		# of Controls	14
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Surveillance/Search		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Transceiver		Total IC'S	3	JAN TXV	X	Display Area	
Wide Band		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	9	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	12	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	207	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	3	Graceful Degrading		# of Controls	14
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Surveillance/Search		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Transceiver		Total IC'S	3	JAN TXV	X	Display Area	
Wide Band		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	9	JAN Grade	X	# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	12	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	208	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Cit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	13
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	170	Graceful Degrading		# of Controls	14
Meter		Digital SSI/MSI	0	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None		# of Lines	
Solid State		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Transceiver		Total IC'S	170	JAN TXV	X	Display Area	
Wide Band		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	462	JAN Grade	X	# of Annunciators	2
Under 50 Volts		TOTAL ELEMENTS	632	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	209	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	13
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Input Rate	
Electromechanical		Hybrid	0	Redundant Channels		Output Rate	
Manual		Linear/Interface	170	Graceful Degrading		# of Keys	
Meter		Digital SSI/MSI	0	Degraded Modes		# of Controls	14
Visual		Digital LSI & Memory	0	None		Resolution	
Solid State		Microprocessor	0	SCREEN CLASS		# of Lines	
Transceiver		Total IC'S	170	JAN TXV	X	# of Characters/Line	
Wide Band		Tubes	0	JAN TX	X	Display Area	
Optoelectronic		Discretes	462	JAN Grade	X	Display Diagonal	
Under 50 Volts		TOTAL ELEMENTS	632	Commercial Grade		# of Annunciators	2
						Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	210	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Transceiver	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	1.5E3
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	17
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	X
Radar		Hybrid	0	Redundant Channels		Peak Power Out	1.4E5
Tube		Linear/Interface	19	Graceful Degrading		Average Power Out	1.1E2
Variable Frequency		Digital SSI/MSI	0	Degraded Modes		# of Selectable Frequencies	
Visual		Digital LSI & Memory	0	None		Frequency Stability	
Solid State		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Transceiver		Total IC'S	19	JAN TXV	X	Receiver Sensitivity	
Wide Band		Tubes	3	JAN TX	X	Pulse Repetition Frequency	1.6E3
Optoelectronic		Discretes	442	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	464	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	211	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Transceiver	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	1.5E3
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	17
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	X
Radar		Hybrid	0	Redundant Channels		Peak Power Out	1.4E5
Tube		Linear/Interface	19	Graceful Degrading		Average Power Out	1.1E2
Variable Frequency		Digital SSI/MSI	0	Degraded Modes		# of Selectable Frequencies	
Visual		Digital LSI & Memory	0	None		Frequency Stability	
Solid State		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Transceiver		Total IC'S	19	JAN TXV	X	Receiver Sensitivity	
Wide Band		Tubes	3	JAN TX	X	Pulse Repetition Frequency	1.6E3
Optoelectronic		Discretes	442	JAN Grade	X		
Under 50 Volts		TOTAL ELEMENTS	464	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	212	General Purpose Computer		Automated ON line		Weight	998
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	4.3E1
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	357
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Position Accuracy	
Geographic Position		Hybrid	257	Redundant Channels		Range	
Radio		Linear/Interface	340	Graceful Degrading		Way Points	
Radio		Digital SSI/MSI	1,973	Degraded Modes		Destinations	
Visual		Digital LSI & Memory	312	None		Velocity Accuracy	
Solid State		Microprocessor	0	SCREEN CLASS		Height Accuracy	
Transceiver		Total IC'S	2,882	JAN TXV	X	Heading Accuracy	
Wide Band		Tubes	1	JAN TX	X	Frequency Band	
Optoelectronic		Discretes	2,545	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	5,428	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	213	General Purpose Computer		Automated ON line		Weight	320
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.1E1
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	77
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	18
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	18
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Directional		Hybrid	0	Redundant Channels		Polarization	
Radio		Linear/Interface	0	Graceful Degrading		Gain	
Radio		Digital SSI/MSI	0	Degraded Modes		Effective Area	
Visual		Digital LSI & Memory	0	None		Beam Width	
Solid State		Microprocessor	0	SCREEN CLASS		Azimuth Scan Rate	
Transceiver		Total IC'S	0	JAN TXV	X	Elevation Scan Rate	
Wide Band		Tubes	0	JAN TX	X	Scan Sector Width	
Optoelectronic		Discretes	154	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	154	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	214	General Purpose Computer		Automated ON line		Weight	318
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.3E1
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	29
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	22
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	35
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	45
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Input Rate	
Alphanumeric		Hybrid	1	Redundant Channels		Output Rate	
Audible		Linear/Interface	23	Graceful Degrading		# of Keys	
CRT		Digital SSI/MSI	277	Degraded Modes		# of Controls	44
Flat Panel		Digital LSI & Memory	0	None		Resolution	
Manual		Microprocessor	0	SCREEN CLASS		# of Lines	
Mechanical		Total IC'S	301	JAN TXV	X	# of Characters/Line	
Meter		Tubes	1	JAN TX	X	Display Area	
Visual		Discretes	536	JAN Grade		Display Diagonal	
Under 50 Volts		TOTAL ELEMENTS	838	Commercial Grade		# of Annunciators	31
						Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	215	General Purpose Computer		Automated ON line		Weight	360
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.9E1
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	50
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	21
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	31
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	311
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Radar		Hybrid	256	Redundant Channels		Channel Width	
Solid State		Linear/Interface	317	Graceful Degrading		Digital Data Rate	
Variable Frequency		Digital SSI/MSI	1,696	Degraded Modes		# of Selectable Frequencies	
Flat Panel		Digital LSI & Memory	312	None		Frequency Band	
Manual		Microprocessor	0	SCREEN CLASS			
Mechanical		Total IC'S	2,581	JAN TXV	X		
Meter		Tubes	0	JAN TX	X		
Visual		Discretes	1,855	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	4,436	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	216	General Purpose Computer		Automated ON line		Weight	15
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	3.6E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	15
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
Alphanumeric		Hybrid	8	Redundant Channels		Refresh	
Closed Loop		Linear/Interface	8	Graceful Degrading		Operating Speed	
Control		Digital SSI/MSI	62	Degraded Modes		Number of Keys	
Display		Digital LSI & Memory	13	None		Display Area	
Electromechanical		Microprocessor	0	SCREEN CLASS			
Graphic		Total IC'S	91	JAN TXV		# of Characters/Line	
Interactive		Tubes	0	JAN TX	X	# of Controls	
Servo		Discretes	122	JAN Grade		Accuracy	
Under 50 Volts		TOTAL ELEMENTS	213	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	217	General Purpose Computer		Automated ON line		Weight	6
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	5
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	6	Redundant Channels		# of Keys	
Electromechanical		Linear/Interface	3	Graceful Degrading		# of Controls	2
Graphic		Digital SSI/MSI	23	Degraded Modes		Resolution	
Servo		Digital LSI & Memory	9	None		# of Lines	
Electromechanical		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Graphic		Total IC'S	41	JAN TXV		Display Area	20
Interactive		Tubes	0	JAN TX	X	Display Diagonal	
Servo		Discretes	86	JAN Grade		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	127	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	218	General Purpose Computer		Automated ON line		Weight	9
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	12
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
						Clock Frequency	1.0E5
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	16
Dedicated		Hybrid	2	Redundant Channels		Memory Size	1.6E1
Digital		Linear/Interface	5	Graceful Degrading		Interrupt Levels	
External Program		Digital SSI/MSI	39	Degraded Modes		Memory I/O Rate	
Servo		Digital LSI & Memory	4	None		# of Busses	
Electromechanical		Microprocessor	0	SCREEN CLASS		# of Registers	
Graphic		Total IC'S	50	JAN TXV		# of Accumulators	
Interactive		Tubes	0	JAN TX	X	# of Input Ports	9
Servo		Discretes	36	JAN Grade		# of Output Ports	6
Under 50 Volts		TOTAL ELEMENTS	86	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	219	General Purpose Computer		Automated ON line		Weight	34
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.7E0
CATEGORY	Test Equipment	Software Controlled		Manual		Height	6
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	21
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.5E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	25
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Accuracy	
Analog		Hybrid	11	Redundant Channels		# of Tests	
Automated		Linear/Interface	31	Graceful Degrading			
Digital		Digital SSI/MSI	154	Degraded Modes			
Guidance/Navigation		Digital LSI & Memory	8	None			
Electromechanical		Microprocessor	0	SCREEN CLASS			
Graphic		Total IC'S	204	JAN TXV	X		
Interactive		Tubes	0	JAN TX	X		
Servo		Discretes	38	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	242	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	220	General Purpose Computer		Automated ON line		Weight	34
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.7E0
CATEGORY	Test Equipment	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	21
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	21
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	11	Redundant Channels		Memory Size	
Digital		Linear/Interface	31	Graceful Degrading		Interrupt Levels	
General Purpose		Digital SSI/MSI	154	Degraded Modes		Memory I/O Rate	
Guidance/Navigation		Digital LSI & Memory	8	None		# of Busses	
Electromechanical		Microprocessor	0	SCREEN CLASS		# of Registers	
Graphic		Total IC'S	204	JAN TXV	X	# of Accumulators	
Interactive		Tubes	0	JAN TX	X	# of Input Ports	8
Servo		Discretes	383	JAN Grade		# of Output Ports	2
Under 50 Volts		TOTAL ELEMENTS	587	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	221	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Test Equipment	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Memory	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Retrieval Time	
Magnetic Cassette Tape		Hybrid	0	Redundant Channels		Word Length	
Non Volatile		Linear/Interface	0	Graceful Degrading		Memory Size	
General Purpose		Digital SSI/MSI	0	Degraded Modes		I/O Rate	
Guidance/Navigation		Digital LSI & Memory	0	None			
Electromechanical		Microprocessor	0	SCREEN CLASS			
Graphic		Total IC'S	0	JAN TXV			
Interactive		Tubes	0	JAN TX			
Servo		Discretes	0	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	222	General Purpose Computer		Automated ON line		Weight	45
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.8E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	31
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	14
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	11
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	7.2E1
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	5
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	9	Redundant Channels		# of Keys	
CRT		Linear/Interface	9	Graceful Degrading		# of Controls	
Graphic		Digital SSI/MSI	3	Degraded Modes		Resolution	
Projection		Digital LSI & Memory	0	None		# of Lines	
Visual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Graphic		Total IC'S	21	JAN TXV	X	Display Area	
Interactive		Tubes	1	JAN TX	X	Display Diagonal	
Servo		Discretes	122	JAN Grade		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	144	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	223	General Purpose Computer		Automated ON line		Weight	18
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	12
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	11
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	7
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	10
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Dedicated		Hybrid	20	Redundant Channels		Memory Size	3.5E4
Digital		Linear/Interface	39	Graceful Degrading		Interrupt Levels	
Internal Semiconductor Memory		Digital SSI/MSI	238	Degraded Modes		Memory I/O Rate	
Parity Checking		Digital LSI & Memory	49	None		# of Busses	
Stored Program		Microprocessor	0	SCREEN CLASS		# of Registers	
Synchronous		Total IC'S	346	JAN TXV	X	# of Accumulators	
Interactive		Tubes	0	JAN TX	X	# of Input Ports	
Servo		Discretes	70	JAN Grade		# of Output Ports	
Under 50 Volts		TOTAL ELEMENTS	416	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	224	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	0	Redundant Channels		# of Keys	
Digital		Linear/Interface	0	Graceful Degrading		# of Controls	5
Internal Semiconductor Memory		Digital SSI/MSI	0	Degraded Modes		Resolution	
Parity Checking		Digital LSI & Memory	0	None		# of Lines	
Stored Program		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Synchronous		Total IC'S	0	JAN TXV		Display Area	
Interactive		Tubes	0	JAN TX	X	Display Diagonal	
Servo		Discretes	0	JAN Grade		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	225	General Purpose Computer		Automated ON line		Weight	17
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	7
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	13
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	1.4E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	14
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
CRT		Hybrid	0	Redundant Channels		Refresh	
Control		Linear/Interface	20	Graceful Degrading		Operating Speed	
Display		Digital SSI/MSI	7	Degraded Modes		Number of Keys	
Manual		Digital LSI & Memory	0	None		Display Area	25
Meter		Microprocessor	0	SCREEN CLASS			
Synchronous		Total IC'S	27	JAN TXV	X	# of Characters/Line	
Interactive		Tubes	1	JAN TX	X	# of Controls	4
Servo		Discretes	174	JAN Grade		Accuracy	
Under 50 Volts		TOTAL ELEMENTS	202	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	226	General Purpose Computer		Automated ON line		Weight	16
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	13
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	1.3E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	12
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
CRT		Hybrid	0	Redundant Channels		# of Keys	
Meter		Linear/Interface	20	Graceful Degrading		# of Controls	
Visual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Manual		Digital LSI & Memory	0	None		# of Lines	
Meter		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Synchronous		Total IC'S	20	JAN TXV	X	Display Area	25
Interactive		Tubes	1	JAN TX	X	Display Diagonal	14
Servo		Discretes	145	JAN Grade		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	166	Commercial Grade		Input Volts	115

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	227	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	1
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	2.0E0
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	2
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Manual		Hybrid	0	Redundant Channels		# of Keys	
Meter		Linear/Interface	0	Graceful Degrading		# of Controls	4
Visual		Digital SSI/MSI	7	Degraded Modes		Resolution	
Manual		Digital LSI & Memory	0	None		# of Lines	
Meter		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Synchronous		Total IC'S	7	JAN TXV	X	Display Area	
Interactive		Tubes	0	JAN TX	X	Display Diagonal	
Servo		Discretes	29	JAN Grade		# of Annunciators	
Under 50 Volts		TOTAL ELEMENTS	36	Commercial Grade		Input Volts	115

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	228	General Purpose Computer		Automated ON line		Weight	161
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	4.4E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	1.1E3
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Position Accuracy	1.2E4
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	1.0E3
Dead Reckoning		Hybrid	155	Redundant Channels		Way Points	
Geographic Position		Linear/Interface	241	Graceful Degrading	X	Destinations	20
Gimbaled		Digital SSI/MSI	1,147	Degraded Modes		Velocity Accuracy	17
Inertial		Digital LSI & Memory	35	None		Height Accuracy	
Loran or Omega		Microprocessor	0	SCREEN CLASS		Heading Accuracy	1.00
Radio		Total IC'S	1,578	JAN TXV		Frequency Band	LF
Interactive		Tubes	0	JAN TX	X		
Servo		Discretes	1,002	JAN Grade			
Under 50 Volts		TOTAL ELEMENTS	2,580	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	229	General Purpose Computer	X	Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Communications	Software Controlled		Manual		Height	4
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	15
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	15
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	29
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	VHF
Amplitude Modulation		Hybrid	24	Redundant Channels		Range	
Audio/Voice		Linear/Interface	25	Graceful Degrading		Peak RF Power	3.0E1
Continuous Wave		Digital SSI/MSI	58	Degraded Modes		Average RF Power	7.5E0
Frequency Modulated		Digital LSI & Memory	0	None		Simultaneous Channel	
Frequency/Pulse Shift Keying		Microprocessor	0	SCREEN CLASS		Channel Width	
Radio		Total IC'S	107	JAN TXV	X	Receiver Sensitivity	
Secure Communication/Vocode		Tubes	6	JAN TX	X	Maximum Baud Rate	
Single Side Band		Discretes	448	JAN Grade	X	Minimum Baud Rate	
Solid State		TOTAL ELEMENTS	561	Commercial Grade		# of Selectable Freq	
						Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		*FAULT CONTROL*		MAJOR PARAMETERS	
EQUIPMENT ID	230	General Purpose Computer		Automated ON line	Fault Detection	Weight	3005
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	1.4E1
CATEGORY	Computer	Software Controlled		Manual	Fault Detection	Height	252
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	126
DERATING GUIDELINES	High Reliability	Automated Print Out	X	Ambient Air	X	Depth	132
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	3.4E4
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	835
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
Analog		Hybrid	8	Redundant Channels	X	Word Length	60
Digital		Linear/Interface	447	Graceful Degrading		Memory Size	2.0E3
Landing System		Digital SSI/MSI	8,132	Degraded Modes	X	Interrupt Levels	
Magnetic Core		Digital LSI & Memory	0	None		# of Busses	
Frequency/Pulse Shift Keying		Microprocessor	0	SCREEN CLASS		Memory I/O Rate	
Radio		Total IC'S	8,587	JAN TXV		# of Registers	9
Secure Communication/Vocode		Tubes	1	JAN TX	X	# of Accumulators	
Single Side Band		Discretes	2,054	JAN Grade		# of Input Ports	
Solid State		TOTAL ELEMENTS	10,642	Commercial Grade		# of Output Ports	7

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	231	General Purpose Computer		Automated ON line		Weight	80
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.7E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	9.1E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	7.5E1
Geographic Position		Hybrid	35	Redundant Channels		Way Points	
Radio		Linear/Interface	60	Graceful Degrading		Destinations	
Radio		Digital SSI/MSI	256	Degraded Modes		Velocity Accuracy	
Tacan		Digital LSI & Memory	0	None		Height Accuracy	
Frequency/Pulse Shift Keying		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Radio		Total IC'S	351	JAN TXV		Frequency Band	UHF
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Single Side Band		Discretes	156	JAN Grade	X		
Solid State		TOTAL ELEMENTS	507	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	232	General Purpose Computer		Automated ON line		Weight	32
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	23
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	23
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Phased Array		Hybrid	0	Redundant Channels		Gain	
Radio		Linear/Interface	12	Graceful Degrading		Effective Area	
Radio		Digital SSI/MSI	7	Degraded Modes		Beam Width	
Tacan		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Frequency/Pulse Shift Keying		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Radio		Total IC'S	19	JAN TXV		Scan Sector Width	
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Single Side Band		Discretes	22	JAN Grade	X		
Solid State		TOTAL ELEMENTS	41	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	233	General Purpose Computer		Automated ON line		Weight	37
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	15
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	15
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	9.1E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Solid State		Hybrid	35	Redundant Channels		Average Power Out	
Transponder		Linear/Interface	48	Graceful Degrading		# of Selectable	
Variable Frequency		Digital SSI/MSI	249	Degraded Modes		Frequencies	
Tacan		Digital LSI & Memory	0	None		Frequency Stability	
Frequency/Pulse Shift Keying		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Radio		Total IC'S	332	JAN TXV		Receiver Sensitivity	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Pulse Repetition	
Single Side Band		Discretes	134	JAN Grade	X	Frequency	
Solid State		TOTAL ELEMENTS	466	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	234	General Purpose Computer		Automated ON line		Weight	39
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.6E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	11
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	14
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	3.2E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	1.0E6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	16
DMA Channel		Hybrid	44	Redundant Channels		Memory Size	4.8E4
Dedicated		Linear/Interface	77	Graceful Degrading		Interrupt Levels	
Digital		Digital SSI/MSI	475	Degraded Modes		Memory I/O Rate	
Int Processor Mag Core Memory		Digital LSI & Memory	10	None		# of Busses	
Parallel		Microprocessor	0	SCREEN CLASS		# of Registers	16
Radio		Total IC'S	606	JAN TXV		# of Accumulators	
Secure Communication/Vocode		Tubes	0	JAN TX	X	# of Input Ports	5
Single Side Band		Discretes	172	JAN Grade		# of Output Ports	5
Solid State		TOTAL ELEMENTS	778	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	235	General Purpose Computer		Automated ON line		Weight	20
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Converter	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	9
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	1.4E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
						# of Bits	16
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	4.0E6
A-D Converter		Hybrid	81	Redundant Channels		Freq. Band Input	
D-A Converter		Linear/Interface	71	Graceful Degrading		Freq. Band Output	
Frequency Converter		Digital SSI/MSI	219	Degraded Modes			
Parallel		Digital LSI & Memory	0	None			
Serial		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	371	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Single Side Band		Discretes	188	JAN Grade	X		
Solid State		TOTAL ELEMENTS	559	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	236	General Purpose Computer		Automated ON line		Weight	20
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Converter	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	9
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	1.4E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	10
						# of Bits	16
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	4.0E6
A-D Converter		Hybrid	81	Redundant Channels		Freq. Band Input	
D-A Converter		Linear/Interface	71	Graceful Degrading		Freq. Band Output	
Frequency Converter		Digital SSI/MSI	219	Degraded Modes			
Parallel		Digital LSI & Memory	0	None			
Serial		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	371	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Single Side Band		Discretes	188	JAN Grade	X		
Solid State		TOTAL ELEMENTS	559	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	237	General Purpose Computer		Automated ON line		Weight	8
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	7.7E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	3	Redundant Channels		# of Keys	36
Electromechanical		Linear/Interface	17	Graceful Degrading		# of Controls	7
Flat Panel		Digital SSI/MSI	82	Degraded Modes		Resolution	
Keyboard Entry		Digital LSI & Memory	3	None		# of Lines	1
Mechanical		Microprocessor	0	SCREEN CLASS		# of Characters/Line	6
Radio		Total IC'S	105	JAN TXV		Display Area	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Display Diagonal	
Single Side Band		Discretes	5	JAN Grade	X	# of Annunciators	
Solid State		TOTAL ELEMENTS	110	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	238	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E1
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	1.6E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	2	Graceful Degrading		# of Controls	5
Manual		Digital SSI/MSI	8	Degraded Modes		Resolution	
Keyboard Entry		Digital LSI & Memory	0	None		# of Lines	
Mechanical		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Radio		Total IC'S	10	JAN TXV		Display Area	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Display Diagonal	
Single Side Band		Discretes	12	JAN Grade	X	# of Annunciators	
Solid State		TOTAL ELEMENTS	22	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	239	General Purpose Computer		Automated ON line		Weight	3
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	4.5E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	4
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	1	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	0	Graceful Degrading		# of Controls	3
Manual		Digital SSI/MSI	92	Degraded Modes		Resolution	
Keyboard Entry		Digital LSI & Memory	2	None		# of Lines	3
Mechanical		Microprocessor	0	SCREEN CLASS		# of Characters/Line	9
Radio		Total IC'S	95	JAN TXV		Display Area	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Display Diagonal	
Single Side Band		Discretes	18	JAN Grade	X	# of Annunciators	
Solid State		TOTAL ELEMENTS	113	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	240	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	2
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	8.5E0
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	4
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	1	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	0	Graceful Degrading		# of Controls	2
Manual		Digital SSI/MSI	11	Degraded Modes		Resolution	
Keyboard Entry		Digital LSI & Memory	0	None		# of Lines	2
Mechanical		Microprocessor	0	SCREEN CLASS		# of Characters/Line	4
Radio		Total IC'S	12	JAN TXV		Display Area	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Display Diagonal	
Single Side Band		Discretes	11	JAN Grade	X	# of Annunciators	
Solid State		TOTAL ELEMENTS	23	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	241	General Purpose Computer		Automated ON line		Weight	13
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Amplifier, Audio	Hardware Controlled		COOLING		Width	9
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	7
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	7.0E0
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	8
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Linear		Hybrid	0	Redundant Channels		Peak Power Out	
Solid State		Linear/Interface	36	Graceful Degrading		Average Power Out	
Manual		Digital SSI/MSI	2	Degraded Modes		Duty Cycle	
Keyboard Entry		Digital LSI & Memory	0	None			
Mechanical		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	38	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Single Side Band		Discretes	419	JAN Grade	X		
Solid State		TOTAL ELEMENTS	457	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	242	General Purpose Computer		Automated ON line		Weight	13
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	13
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	1.2E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	12
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	1
Analog Signal Processing		Hybrid	25	Redundant Channels		Channel Width	
Pulse Code Modulated		Linear/Interface	21	Graceful Degrading		Digital Data Rate	
Radar		Digital SSI/MSI	246	Degraded Modes		# of Selectable Frequencies	
Solid State		Digital LSI & Memory	20	None		Frequency Band	LF
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	312	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Single Side Band		Discretes	44	JAN Grade	X		
Solid State		TOTAL ELEMENTS	356	Commercial Grade			

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	243	General Purpose Computer	Automated ON line	Weight	2
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled	Manual	Height	3
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled	COOLING	Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power	3.0E0
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	
				# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	
Active		Hybrid	0	Redundant Channels	
Bite		Linear/Interface	8	Graceful Degrading	
Passive		Digital SSI/MSI	6	Degraded Modes	
Power		Digital LSI & Memory	0	None	
Signal		Microprocessor	0	SCREEN CLASS	
Radio		Total IC'S	14	JAN TXV	
Secure Communication/Vocode		Tubes	0	JAN TX	X
Single Side Band		Discretes	11	JAN Grade	X
Solid State		TOTAL ELEMENTS	25	Commercial Grade	
				Frequency Band	
				Power Level	

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	244	General Purpose Computer	Automated ON line	Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	
CATEGORY	Computer	Software Controlled	Manual	Height	
EQUIPMENT TYPE		Hardware Controlled	COOLING	Width	
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air X	Power	
REPLACEMENT LEVEL	Piece Part		Liquid	Modules	
				Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	
DMA Channel		Hybrid	136	Redundant Channels	
Digital		Linear/Interface	1,315	Graceful Degrading	
General Purpose		Digital SSI/MSI	1,918	Degraded Modes	
Magnetic Core		Digital LSI & Memory	57	None	
Parallel		Microprocessor	0	SCREEN CLASS	
Semiconductor		Total IC'S	3,426	JAN TXV	X
Secure Communication/Vocode		Tubes	0	JAN TX	X
Single Side Band		Discretes	1,522	JAN Grade	
Solid State		TOTAL ELEMENTS	4,948	Commercial Grade	
				Word Length	16
				Memory Size	6.4E4
				Interrupt Levels	
				# of Busses	
				Memory I/O Rate	
				# of Registers	
				# of Accumulators	
				# of Input Ports	16
				# of Output Ports	16

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	245	General Purpose Computer		Automated ON line		Weight	3
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Filter	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	3
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Insertion Loss	
Power		Hybrid	0	Redundant Channels		Max Attenuation	
Digital		Linear/Interface	0	Graceful Degrading		Pass Band Width	
General Purpose		Digital SSI/MSI	0	Degraded Modes		Attenuate Band Width	
Magnetic Core		Digital LSI & Memory	0	None		Phase Shift	
Parallel		Microprocessor	0	SCREEN CLASS		Time Delay	
Semiconductor		Total IC'S	0	JAN TXV		Frequency Band	
Secure Communication/Vocode		Tubes	0	JAN TX			
Single Side Band		Discretes	0	JAN Grade			
Solid State		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	246	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	
CATEGORY	Communications	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Modulator/Demodulator	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Carrier Frequency	7.0E7
Digital		Hybrid	36	Redundant Channels		Modulation Rate	
Frequency Modulated		Linear/Interface	48	Graceful Degrading		Modulation Baud Rate	1.0E7
Phase Shift Keying		Digital SSI/MSI	304	Degraded Modes		PRF	
Radio Frequency		Digital LSI & Memory	0	None		Peek Volts Output	
Solid State		Microprocessor	0	SCREEN CLASS		# of Combined Signal	
Semiconductor		Total IC'S	388	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX			
Single Side Band		Discretes	403	JAN Grade	X		
Solid State		TOTAL ELEMENTS	791	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	247	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	1.0E6
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	1360
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	1360
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	962
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	2.0E6
REPLACEMENT LEVEL	Assembly (SRU)			Liquid	X	Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	999.9
Doppler		Hybrid	94	Redundant Channels		Peak RF Power	5.9E5
Electronically Steerable		Linear/Interface	219	Graceful Degrading	X	Average RF Power	1.5E5
Solid State		Digital SSI/MSI	207	Degraded Modes	X	PRF	
Surveillance/Search		Digital LSI & Memory	0	None		AZ Coverage/Angle	240.0
Tracking		Microprocessor	0	SCREEN CLASS		Scan Rate	
Semiconductor		Total IC'S	520	JAN TXV	X	Polarization	85.0
Secure Communication/Vocode		Tubes	1	JAN TX	X	Beam Width	10.0
Single Side Band		Discretes	1,490	JAN Grade	X	Elev. Coverage/Angle	
Solid State		TOTAL ELEMENTS	2,011	Commercial Grade	X	Target Size	
						Antenna Gain	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	249	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid	X	Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Solid State		Hybrid	3	Redundant Channels		Peak Power Out	
Electronically Steerable		Linear/Interface	1	Graceful Degrading	X	Average Power Out	
Solid State		Digital SSI/MSI	6	Degraded Modes		Duty Cycle	
Surveillance/Search		Digital LSI & Memory	0	None			
Tracking		Microprocessor	0	SCREEN CLASS			
Semiconductor		Total IC'S	10	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX			
Single Side Band		Discretes	20	JAN Grade	X		
Solid State		TOTAL ELEMENTS	30	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	251	General Purpose Computer		Automated ON line		Weight	400
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.2E1
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	45
EQUIPMENT TYPE	Power Supply	Hardware Controlled		COOLING		Width	20
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	23
SELF TEST CAPABILITY	None	Manual Read Panel	X	Forced Air		Power Modules	
REPLACEMENT LEVEL	Piece Part			Liquid		# of Outputs	2
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Voltage Out # 1	5
AC Input		Hybrid	0	Redundant Channels		Voltage Out # 2	32
DC Output		Linear/Interface	2	Graceful Degrading	X	Voltage Out # 3	
Fixed Voltage Output		Digital SSI/MSI	0	Degraded Modes		Current Out # 1	
Under 50 Volts		Digital LSI & Memory	0	None		Current Out # 2	
Tracking		Microprocessor	0	SCREEN CLASS		Current Out # 3	
Semiconductor		Total IC'S	2	JAN TXV	X	Percent Regulation 1	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Percent Regulation 2	
Single Side Band		Discretes	324	JAN Grade		Percent Regulation 3	
Solid State		TOTAL ELEMENTS	326	Commercial Grade		Input Frequency	
						Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	252	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Test Circuitry	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power Modules	
REPLACEMENT LEVEL	Not Reported			Liquid		# of Signals	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Accuracy	
Automatic		Hybrid	0	Redundant Channels		Frequency Band	UHF
Built-In-Test Equipment		Linear/Interface	3	Graceful Degrading		# of Annunciators	
Continuous Monitor		Digital SSI/MSI	3	Degraded Modes			
Dedicated		Digital LSI & Memory	0	None	X		
Tracking		Microprocessor	0	SCREEN CLASS			
Semiconductor		Total IC'S	6	JAN TXV	X		
Secure Communication/Vocode		Tubes	1	JAN TX	X		
Single Side Band		Discretes	256	JAN Grade	X		
Solid State		TOTAL ELEMENTS	263	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	253	General Purpose Computer		Automated ON line	Reconfiguration	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Reconfiguration	Volume	
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Not Reported		Hybrid	65	Redundant Channels	X	Channel Width	
Built-In-Test Equipment		Linear/Interface	173	Graceful Degrading		Digital Data Rate	
Continuous Monitor		Digital SSI/MSI	109	Degraded Modes		# of Selectable Frequencies	
Dedicated		Digital LSI & Memory	0	None		Frequency Band	
Tracking		Microprocessor	0	SCREEN CLASS			
Semiconductor		Total IC'S	347	JAN TXV	X		
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Single Side Band		Discretes	150	JAN Grade	X		
Solid State		TOTAL ELEMENTS	497	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	254	General Purpose Computer		Automated ON line	Fault Detection	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	1.0E6
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	1360
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	1360
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	962
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air	X	Power	2.0E6
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	999.9
Doppler		Hybrid	0	Redundant Channels	X	Peak RF Power	5.9E5
Electronically Steerable		Linear/Interface	0	Graceful Degrading	X	Average RF Power	1.5E5
Solid State		Digital SSI/MSI	0	Degraded Modes	X	PRF	
Surveillance/Search		Digital LSI & Memory	0	None		AZ Coverage/Angle	240.0
Tracking		Microprocessor	0	SCREEN CLASS		Scan Rate	
Semiconductor		Total IC'S	0	JAN TXV	X	Polarization	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Beam Width	
Single Side Band		Discretes	0	JAN Grade	X	Elev. Coverage/Angle	85.0
Solid State		TOTAL ELEMENTS	0	Commercial Grade		Target Size	10.0
						Antenna Gain	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	255	General Purpose Computer		Automated ON line	Fault Detection	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE	Transmitter	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	L
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Continuous Wave		Hybrid	0	Redundant Channels		Average Power Out	
Radar		Linear/Interface	433	Graceful Degrading	X	# of Simultaneous Channels	5
Single Side Band		Digital SSI/MSI	1,079	Degraded Modes	X		
Solid State		Digital LSI & Memory	0	None		Channel Width	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Pulse Repetition Frequency	
Semiconductor		Total IC'S	1,512	JAN TXV		Digital Data Rate	
Secure Communication/Vocode		Tubes	0	JAN TX		# of Selectable Frequencies	
Single Side Band		Discretes	1,953	JAN Grade	X	Frequency Stability	
Solid State		TOTAL ELEMENTS	3,465	Commercial Grade	X	Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	256	General Purpose Computer		Automated ON line	Fault Detection	Weight	1020
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Isolation	Height	63
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	56
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	30
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	6.0E3
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	16
Digital		Hybrid	0	Redundant Channels	X	Memory Size	1.2E5
General Purpose		Linear/Interface	0	Graceful Degrading		Interrupt Levels	16
Internal Semiconductor Memory		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
Internal Semiconductor Memory		Digital LSI & Memory	0	None		# of Busses	
Over Voltage Protection		Microprocessor	0	SCREEN CLASS		# of Registers	112
Parallel		Total IC'S	0	JAN TXV		# of Accumulators	240
Secure Communication/Vocode		Tubes	0	JAN TX		# of Input Ports	
Single Side Band		Discretes	0	JAN Grade	X	# of Output Ports	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X		

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	257	General Purpose Computer	Automated ON line Fault Detection	Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	
CATEGORY	Computer	Software Controlled	Manual Fault Isolation	Height	
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled	COOLING	Width	
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	Forced Air X	Power	
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	
				Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	
Digital		Hybrid	0	Redundant Channels X	
General Purpose		Linear/Interface	0	Graceful Degrading	
Magnetic Disk Pack		Digital SSI/MSI	0	Degraded Modes	
Magnetic Disk Pack		Digital LSI & Memory	0	None	
Parallel		Microprocessor	0	SCREEN CLASS	
Parity Checking		Total IC'S	0	JAN TXV	
Semiconductor		Tubes	0	JAN TX	
Semiconductor		Discretes	0	JAN Grade X	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade X	
				Word Length	16
				Memory Size	1.2E5
				Interrupt Levels	
				Memory I/O Rate	
				# of Busses	1.6E6
				# of Registers	112
				# of Accumulators	240
				# of Input Ports	
				# of Output Ports	

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	258	General Purpose Computer	Automated ON line	Weight	18
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	
CATEGORY	Guidance/Navigation	Software Controlled	Manual	Height	7
EQUIPMENT TYPE	Power Supply	Hardware Controlled	COOLING	Width	8
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air X	Power	0.3E0
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	3
				# of Outputs	16
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	
AC Input		Hybrid	0	Redundant Channels	
AC Output		Linear/Interface	9	Graceful Degrading	
Between 50-150 Volts		Digital SSI/MSI	6	Degraded Modes	
DC Output		Digital LSI & Memory	0	None	
Fixed Current Output		Microprocessor	0	SCREEN CLASS	
Fixed Voltage Output		Total IC'S	15	JAN TXV	
Over Current Protection		Tubes	0	JAN TX X	
Over Voltage Protection		Discretes	122	JAN Grade X	
Solid State		TOTAL ELEMENTS	137	Commercial Grade	
				Voltage Out # 1	5.2
				Voltage Out # 2	-19.1
				Voltage Out # 3	115
				Current Out # 1	6.25
				Current Out # 2	0.75
				Current Out # 3	0.16
				Percent Regulation 1	
				Percent Regulation 2	
				Percent Regulation 3	
				Input Frequency	400
				Convert or Output Frequency	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	259	General Purpose Computer		Automated ON line		Weight	850
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	5.4E1
CATEGORY	Radar	Software Controlled		Manual		Height	78
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	36
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	33
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	10
Digital		Hybrid	0	Redundant Channels		Memory Size	
AC Output		Linear/Interface	434	Graceful Degrading		Interrupt Levels	
Between 50-150 Volts		Digital SSI/MSI	1,029	Degraded Modes		Memory I/O Rate	
DC Output		Digital LSI & Memory	24	None		# of Busses	
Fixed Current Output		Microprocessor	0	SCREEN CLASS		# of Registers	
Fixed Voltage Output		Total IC'S	1,487	JAN TXV	X	# of Accumulators	
Over Current Protection		Tubes	0	JAN TX	X	# of Input Ports	
Over Voltage Protection		Discretes	62	JAN Grade	X	# of Output Ports	
Solid State		TOTAL ELEMENTS	1,549	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	260	General Purpose Computer		Automated ON line	Fault Detection	Weight	2800
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.8E2
CATEGORY	Radar	Software Controlled		Manual		Height	80
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	122
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	33
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Digital		Hybrid	0	Redundant Channels	X	Memory Size	
Serial		Linear/Interface	332	Graceful Degrading		Interrupt Levels	
Between 50-150 Volts		Digital SSI/MSI	17,648	Degraded Modes		Memory I/O Rate	
DC Output		Digital LSI & Memory	10,744	None		# of Busses	
Fixed Current Output		Microprocessor	0	SCREEN CLASS		# of Registers	
Fixed Voltage Output		Total IC'S	28,724	JAN TXV	X	# of Accumulators	
Over Current Protection		Tubes	0	JAN TX		# of Input Ports	
Over Voltage Protection		Discretes	0	JAN Grade		# of Output Ports	
Solid State		TOTAL ELEMENTS	28,724	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	261	General Purpose Computer		Automated ON line	Reconfiguration	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Isolation	Volume	
CATEGORY	Computer	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	60
Digital		Hybrid	0	Redundant Channels	X	Memory Size	2.0E5
External Program		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
General Purpose		Digital SSI/MSI	0	Degraded Modes		# of Busses	
Stored Program		Digital LSI & Memory	0	None		Memory I/O Rate	
Fixed Current Output		Microprocessor	0	SCREEN CLASS		# of Registers	
Fixed Voltage Output		Total IC'S	0	JAN TXV		# of Accumulators	
Over Current Protection		Tubes	0	JAN TX		# of Input Ports	
Over Voltage Protection		Discretes	0	JAN Grade	X	# of Output Ports	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	262	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Digital		Hybrid	0	Redundant Channels		Memory Size	
External Program		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
General Purpose		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
Stored Program		Digital LSI & Memory	0	None		# of Busses	
Fixed Current Output		Microprocessor	0	SCREEN CLASS		# of Registers	
Fixed Voltage Output		Total IC'S	0	JAN TXV		# of Accumulators	
Over Current Protection		Tubes	0	JAN TX		# of Input Ports	
Over Voltage Protection		Discretes	0	JAN Grade	X	# of Output Ports	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	263	General Purpose Computer		Automated ON line		Weight	90
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.4E0
CATEGORY	Communications	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Modulator/Demodulator	Hardware Controlled		COOLING		Width	19
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	22
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	29
						Carrier Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Modulation Rate	1.3E5
Digital		Hybrid	0	Redundant Channels		Modulation Baud Rate	
Frequency Division Multiplex		Linear/Interface	0	Graceful Degrading		PRF	
Radio Frequency		Digital SSI/MSI	0	Degraded Modes		Peak Volts Output	
Secure		Digital LSI & Memory	0	None		# of Combined Signal	7
Solid State		Microprocessor	0	SCREEN CLASS			
Fixed Voltage Output		Total IC'S	0	JAN TXV			
Over Current Protection		Tubes	0	JAN TX	X		
Over Voltage Protection		Discretes	0	JAN Grade			
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	264	General Purpose Computer		Automated ON line	Fault Detection	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels	X	# of Keys	
CRT		Linear/Interface	0	Graceful Degrading		# of Controls	
Display		Digital SSI/MSI	0	Degraded Modes		Resolution	
Graphic		Digital LSI & Memory	0	None		# of Lines	
Interactive		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Keyboard Entry		Total IC'S	0	JAN TXV		Display Area	380
Light Pen		Tubes	0	JAN TX		Display Diagonal	
Over Voltage Protection		Discretes	0	JAN Grade	X	# of Annunciators	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	265	General Purpose Computer		Automated ON line	Reconfiguration	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	60
Digital		Hybrid	0	Redundant Channels	X	Memory Size	2.0E5
General Purpose		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Magnetic Disk Pack		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
Other Magnetic Tape		Digital LSI & Memory	0	None		# of Busses	
Interactive		Microprocessor	0	SCREEN CLASS		# of Registers	
Keyboard Entry		Total IC'S	0	JAN TXV		# of Accumulators	
Light Pen		Tubes	0	JAN TX		# of Input Ports	
Over Voltage Protection		Discretes	0	JAN Grade	X	# of Output Ports	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	266	General Purpose Computer		Automated ON line	Fault Detection	Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Frequency/Timing Gen.	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Commercial Design Stand.	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Referency Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Drift	
Crystal Referenced		Hybrid	0	Redundant Channels	X	Output Frequency	
Digital		Linear/Interface	0	Graceful Degrading		Output Voltage	
Square Wave		Digital SSI/MSI	0	Degraded Modes		Output Impedance	
Temperature Controlled		Digital LSI & Memory	0	None			
Interactive		Microprocessor	0	SCREEN CLASS			
Keyboard Entry		Total IC'S	0	JAN TXV			
Light Pen		Tubes	0	JAN TX			
Over Voltage Protection		Discretes	0	JAN Grade			
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	267	General Purpose Computer		Automated ON line	Fault Detection	Weight	340
PROGRAM ID		BIT Microprocessor	X	Automated OFF line	Fault Isolation	Volume	4.4E1
CATEGORY	Radar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	7.6E3
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid	X	Modules	5
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Doppler		Hybrid	76	Redundant Channels		Peak RF Power	
ECCM		Linear/Interface	730	Graceful Degrading		Average RF Power	
Fire Control		Digital SSI/MSI	4,200	Degraded Modes		PRF	
Multichannel/Multifrequency		Digital LSI & Memory	360	None	X	AZ Coverage/Angle	
Oscillating		Microprocessor	2	SCREEN CLASS		Scan Rate	
Pulse Compression		Total IC'S	5,368	JAN TXV	X	Polarization	
Surveillance/Search		Tubes	1	JAN TX	X	Beam Width	
Terrain Following/Avoidance		Discretes	1,070	JAN Grade		Elev. Coverage/Angle	
Tracking		TOTAL ELEMENTS	6,439	Commercial Grade		Target Size	
						Antenna Gain	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	268	General Purpose Computer		Automated ON line		Weight	186
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	2.3E0
CATEGORY	Electronic Warfare	Software Controlled		Manual	Fault Isolation	Height	11
EQUIPMENT TYPE	Transceiver	Hardware Controlled	X	COOLING		Width	18
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air		Depth	25
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	8.5E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	2
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
ECM-EW		Hybrid	34	Redundant Channels		Average Power Out	
Tube		Linear/Interface	100	Graceful Degrading		# of Selectable	
Variable Frequency		Digital SSI/MSI	267	Degraded Modes	X	Frequencies	
Multichannel/Multifrequency		Digital LSI & Memory	0	None		Frequency Stability	
Oscillating		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Pulse Compression		Total IC'S	401	JAN TXV		Receiver Sensitivity	
Surveillance/Search		Tubes	14	JAN TX	X	Pulse Repetition	
Terrain Following/Avoidance		Discretes	347	JAN Grade		Frequency	
Tracking		TOTAL ELEMENTS	762	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	269	General Purpose Computer		Automated ON line	Fault Detection	Weight	32
PROGRAM ID		BIT Microprocessor	X	Automated OFF line	Fault Isolation	Volume	1.0E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	16
						Position Accuracy	2.4E4
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	8.0E3
Dead Reckoning		Hybrid	3	Redundant Channels		Way Points	9
Geographic Position		Linear/Interface	13	Graceful Degrading		Destinations	8
Loran or Omega		Digital SSI/MSI	99	Degraded Modes		Velocity Accuracy	
Radio		Digital LSI & Memory	133	None	X	Height Accuracy	
Radio		Microprocessor	1	SCREEN CLASS		Heading Accuracy	
Pulse Compression		Total IC'S	249	JAN TXV	X	Frequency Band	VLF
Surveillance/Search		Tubes	0	JAN TX	X		
Terrain Following/Avoidance		Discretes	73	JAN Grade			
Tracking		TOTAL ELEMENTS	322	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	270	General Purpose Computer		Automated ON line	Fault Detection	Weight	4
PROGRAM ID		BIT Microprocessor	X	Automated OFF line	Fault Isolation	Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	5
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	14
Keyboard Entry		Linear/Interface	0	Graceful Degrading		# of Controls	5
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Radio		Digital LSI & Memory	27	None	X	# of Lines	
Radio		Microprocessor	30	SCREEN CLASS		# of Characters/Line	
Pulse Compression		Total IC'S	57	JAN TXV	X	Display Area	6
Surveillance/Search		Tubes	0	JAN TX	X	Display Diagonal	
Terrain Following/Avoidance		Discretes	0	JAN Grade		# of Annunciators	
Tracking		TOTAL ELEMENTS	57	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	271	General Purpose Computer		Automated ON line		Weight	59
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.6E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	29
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
Automatic Control		Hybrid	3	Redundant Channels	X	Refresh	
Control		Linear/Interface	49	Graceful Degrading		Operating Speed	
Display		Digital SSI/MSI	152	Degraded Modes		Number of Keys	
Flat Panel		Digital LSI & Memory	0	None		Display Area	
Manual		Microprocessor	0	SCREEN CLASS			
Mechanical		Total IC'S	204	JAN TXV	X	# of Characters/Line	
Meter		Tubes	0	JAN TX	X	# of Controls	36
Optoelectronic		Discretes	379	JAN Grade		Accuracy	
Tracking		TOTAL ELEMENTS	583	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	272	General Purpose Computer		Automated ON line		Weight	9
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	9
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	2
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Flat Panel		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	9	Graceful Degrading		# of Controls	34
Meter		Digital SSI/MSI	32	Degraded Modes		Resolution	
Optoelectronic		Digital LSI & Memory	0	None	X	# of Lines	
Visual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Mechanical		Total IC'S	41	JAN TXV	X	Display Area	
Meter		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	10	JAN Grade		# of Annunciators	
Tracking		TOTAL ELEMENTS	51	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	273	General Purpose Computer		Automated ON line		Weight	30
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.8E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	16
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	9
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	16
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Manual		Hybrid	3	Redundant Channels	X	# of Keys	
Mechanical		Linear/Interface	40	Graceful Degrading		# of Controls	2
Meter		Digital SSI/MSI	120	Degraded Modes		Resolution	
Optoelectronic		Digital LSI & Memory	0	None		# of Lines	
Visual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Mechanical		Total IC'S	163	JAN TXV	X	Display Area	
Meter		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	312	JAN Grade		# of Annunciators	
Tracking		TOTAL ELEMENTS	475	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	274	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	0	Redundant Channels	X	# of Keys	
Mechanical		Linear/Interface	0	Graceful Degrading		# of Controls	
Meter		Digital SSI/MSI	0	Degraded Modes		Resolution	
Optoelectronic		Digital LSI & Memory	0	None		# of Lines	
Visual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Mechanical		Total IC'S	0	JAN TXV		Display Area	
Meter		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	7	JAN Grade		# of Annunciators	
Tracking		TOTAL ELEMENTS	7	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	275	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	4
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	3
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	6
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	0	Redundant Channels		# of Keys	
Mechanical		Linear/Interface	0	Graceful Degrading		# of Controls	
Meter		Digital SSI/MSI	0	Degraded Modes		Resolution	
Optoelectronic		Digital LSI & Memory	0	None		# of Lines	
Visual		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Mechanical		Total IC'S	0	JAN TXV		Display Area	
Meter		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	2	JAN Grade		# of Annunciators	
Tracking		TOTAL ELEMENTS	2	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	276	General Purpose Computer		Automated ON line		Weight	67
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	1.8E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
CRT		Hybrid	29	Redundant Channels		Refresh	
Control		Linear/Interface	48	Graceful Degrading		Operating Speed	
Display		Digital SSI/MSI	241	Degraded Modes		Number of Keys	
Electromechanical		Digital LSI & Memory	49	None		Display Area	
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	367	JAN TXV	X	# of Characters/Line	
Projection		Tubes	1	JAN TX	X	# of Controls	
Optoelectronic		Discretes	192	JAN Grade		Accuracy	
Tracking		TOTAL ELEMENTS	560	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	277	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	9.7E0
CATEGORY	Communications	Software Controlled		Manual		Height	52
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	17
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	19
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	9.7E2
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	45
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Audio/Voice		Hybrid	128	Redundant Channels		Peak RF Power	
Digital Data		Linear/Interface	42	Graceful Degrading		Average RF Power	
Solid State		Digital SSI/MSI	3,833	Degraded Modes		Simultaneous Channel	15
Electromechanical		Digital LSI & Memory	0	None		Channel Width	
Graphic		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Head Up		Total IC'S	4,003	JAN TXV		Maximum Baud Rate	1.0E7
Projection		Tubes	0	JAN TX		Minimum Baud Rate	1.6E2
Optoelectronic		Discretes	628	JAN Grade	X	# of Selectable Freq	
Tracking		TOTAL ELEMENTS	4,631	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	278	General Purpose Computer		Automated ON line	Fault Detection	Weight	25
PROGRAM ID		BIT Microprocessor	X	Automated OFF line	Fault Isolation	Volume	0.6E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	8
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	X	COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	20
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	10
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Dedicated		Hybrid	3	Redundant Channels		Memory Size	
Digital		Linear/Interface	13	Graceful Degrading		Interrupt Levels	
Solid State		Digital SSI/MSI	72	Degraded Modes		Memory I/O Rate	
Electromechanical		Digital LSI & Memory	103	None	X	# of Busses	
Graphic		Microprocessor	1	SCREEN CLASS		# of Registers	
Head Up		Total IC'S	192	JAN TXV	X	# of Accumulators	
Projection		Tubes	0	JAN TX	X	# of Input Ports	6
Optoelectronic		Discretes	51	JAN Grade		# of Output Ports	10
Tracking		TOTAL ELEMENTS	243	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	279	General Purpose Computer	Automated ON line	Fault Detection	Weight	3
PROGRAM ID		BIT Microprocessor X	Automated OFF line	Fault Isolation	Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled	Manual	Fault Isolation	Height	2
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled X	COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air X		Depth	6
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	1
					# of Signals	3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Frequency Band	VLF
Active		Hybrid 0	Redundant Channels		Power Level	
Signal		Linear/Interface 0	Graceful Degrading			
Solid State		Digital SSI/MSI 0	Degraded Modes			
Electromechanical		Digital LSI & Memory 0	None X			
Graphic		Microprocessor 0	SCREEN CLASS			
Head Up		Total IC'S 0	JAN TXV X			
Projection		Tubes 0	JAN TX X			
Optoelectronic		Discretes 21	JAN Grade			
Tracking		TOTAL ELEMENTS 21	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	280	General Purpose Computer	Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line	Reconfiguration	Volume	4.7E0
CATEGORY	Communications	Software Controlled	Manual	Reconfiguration	Height	25
EQUIPMENT TYPE		Hardware Controlled X	COOLING		Width	17
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air		Depth	19
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air X		Power	
REPLACEMENT LEVEL	Assembly (SRU)		Liquid		Modules	46
					Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Range	
Audio/Voice		Hybrid 0	Redundant Channels		Peak RF Power	
Digital Data		Linear/Interface 61	Graceful Degrading		Average RF Power	
Solid State		Digital SSI/MSI 1,609	Degraded Modes		Simultaneous Channel	15
Electromechanical		Digital LSI & Memory 76	None		Channel Width	
Graphic		Microprocessor 0	SCREEN CLASS		Receiver Sensitivity	
Head Up		Total IC'S 1,746	JAN TXV		Maximum Baud Rate	1.0E7
Projection		Tubes 0	JAN TX		Minimum Baud Rate	1.6E2
Optoelectronic		Discretes 812	JAN Grade X		# of Selectable Freq	
Tracking		TOTAL ELEMENTS 2,558	Commercial Grade		Frequency Stability	
					Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	281	General Purpose Computer		Automated ON line		Weight	186
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	2.3E0
CATEGORY	Electronic Warfare	Software Controlled		Manual	Fault Isolation	Height	11
EQUIPMENT TYPE	Transceiver	Hardware Controlled	X	COOLING		Width	18
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	25
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	8.5E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	2
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
ECM-EW		Hybrid	34	Redundant Channels		Peak Power Out	
Tube		Linear/Interface	10	Graceful Degrading		Average Power Out	
Variable Frequency		Digital SSI/MSI	267	Degraded Modes	X	# of Selectable Frequencies	
Electromechanical		Digital LSI & Memory	0	None		Frequency Stability	
Graphic		Microprocessor	0	SCREEN CLASS		Digital Data Rate	
Head Up		Total IC'S	311	JAN TXV		Receiver Sensitivity	
Projection		Tubes	14	JAN TX	X	Pulse Repetition Frequency	
Optoelectronic		Discretes	347	JAN Grade			
Tracking		TOTAL ELEMENTS	672	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	282	General Purpose Computer		Automated ON line		Weight	412
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	7.7E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	4.7E3
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	SHF
Active		Hybrid	12	Redundant Channels		Range	
Multichannel/Multifrequency		Linear/Interface	436	Graceful Degrading		Peak RF Power	
Multimode Capability		Digital SSI/MSI	719	Degraded Modes		Average RF Power	
Traveling Wave Tube		Digital LSI & Memory	0	None			
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	1,167	JAN TXV	X		
Projection		Tubes	24	JAN TX	X		
Optoelectronic		Discretes	5,057	JAN Grade			
Tracking		TOTAL ELEMENTS	6,248	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	283	General Purpose Computer		Automated ON line		Weight	70
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.2E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	3.1E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	25
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
ECM-EW		Hybrid	1	Redundant Channels		Channel Width	1.9E9
Tube		Linear/Interface	183	Graceful Degrading		Digital Data Rate	
Variable Frequency		Digital SSI/MSI	309	Degraded Modes		# of Selectable Frequencies	
Traveling Wave Tube		Digital LSI & Memory	0	None		Frequency Band	SHF
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	493	JAN TXV			
Projection		Tubes	4	JAN TX	X		
Optoelectronic		Discretes	1,629	JAN Grade			
Tracking		TOTAL ELEMENTS	2,126	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	284	General Purpose Computer		Automated ON line		Weight	61
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.2E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	2.1E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
ECM-EW		Hybrid	1	Redundant Channels		Channel Width	
Tube		Linear/Interface	117	Graceful Degrading		Digital Data Rate	
Variable Frequency		Digital SSI/MSI	194	Degraded Modes		# of Selectable Frequencies	
Traveling Wave Tube		Digital LSI & Memory	0	None		Frequency Band	
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	312	JAN TXV			
Projection		Tubes	4	JAN TX	X		
Optoelectronic		Discretes	1,157	JAN Grade			
Tracking		TOTAL ELEMENTS	1,473	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	285	General Purpose Computer		Automated ON line		Weight	59
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	2.3E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Sensitivity	
ECM-EW		Hybrid	1	Redundant Channels		# of Simultaneous Channels	
Tube		Linear/Interface	117	Graceful Degrading		Channel Width	
Variable Frequency		Digital SSI/MSI	194	Degraded Modes		Digital Data Rate	
Traveling Wave Tube		Digital LSI & Memory	0	None		# of Selectable Frequencies	
Graphic		Microprocessor	0	SCREEN CLASS		Frequency Band	
Head Up		Total IC'S	312	JAN TXV			
Projection		Tubes	4	JAN TX	X		
Optoelectronic		Discretes	1,169	JAN Grade			
Tracking		TOTAL ELEMENTS	1,485	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	286	General Purpose Computer		Automated ON line		Weight	68
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	7.2E2
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Tube		Hybrid	3	Redundant Channels		Gain	
Tube		Linear/Interface	5	Graceful Degrading		Peak Power Out	
Variable Frequency		Digital SSI/MSI	6	Degraded Modes		Average Power Out	
Traveling Wave Tube		Digital LSI & Memory	0	None		Duty Cycle	
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	14	JAN TXV	X		
Projection		Tubes	4	JAN TX	X		
Optoelectronic		Discretes	374	JAN Grade			
Tracking		TOTAL ELEMENTS	392	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	287	General Purpose Computer		Automated ON line		Weight	67
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	1.7E3
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Tube		Hybrid	3	Redundant Channels		Peak Power Out	
Tube		Linear/Interface	7	Graceful Degrading		Average Power Out	
Variable Frequency		Digital SSI/MSI	8	Degraded Modes		Duty Cycle	
Traveling Wave Tube		Digital LSI & Memory	0	None			
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	18	JAN TXV	X		
Projection		Tubes	4	JAN TX	X		
Optoelectronic		Discretes	350	JAN Grade			
Tracking		TOTAL ELEMENTS	372	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	288	General Purpose Computer		Automated ON line		Weight	68
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Amplifier, RF	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Intermediate Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	1.5E3
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Tube		Hybrid	3	Redundant Channels		Peak Power Out	
Tube		Linear/Interface	7	Graceful Degrading		Average Power Out	
Variable Frequency		Digital SSI/MSI	8	Degraded Modes		Duty Cycle	
Traveling Wave Tube		Digital LSI & Memory	0	None			
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	18	JAN TXV	X		
Projection		Tubes	4	JAN TX	X		
Optoelectronic		Discretes	350	JAN Grade			
Tracking		TOTAL ELEMENTS	372	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	289	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	3.3E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Not Reported		Hybrid	0	Redundant Channels		# of Keys	
Tube		Linear/Interface	0	Graceful Degrading		# of Controls	
Variable Frequency		Digital SSI/MSI	0	Degraded Modes		Resolution	
Traveling Wave Tube		Digital LSI & Memory	0	None		# of Lines	
Graphic		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Head Up		Total IC'S	0	JAN TXV	X	Display Area	
Projection		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	28	JAN Grade		# of Annunciators	
Tracking		TOTAL ELEMENTS	28	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	290	General Purpose Computer		Automated ON line		Weight	670
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Not Reported		Hybrid	169	Redundant Channels		Peak RF Power	
Tube		Linear/Interface	238	Graceful Degrading		Average RF Power	
Variable Frequency		Digital SSI/MSI	1,384	Degraded Modes			
Traveling Wave Tube		Digital LSI & Memory	199	None			
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	1,990	JAN TXV			
Projection		Tubes	6	JAN TX	X		
Optoelectronic		Discretes	729	JAN Grade	X		
Tracking		TOTAL ELEMENTS	2,725	Commercial Grade			

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID 291	General Purpose Computer	Automated ON line	Weight	96
PROGRAM ID	BIT Microprocessor	Automated OFF line	Volume	6.4E0
CATEGORY Electronic Warfare	Software Controlled	Manual	Height	20
EQUIPMENT TYPE Transmitter	Hardware Controlled	COOLING	Width	12
DERATING GUIDELINES Not Reported	Automated Print Out	Ambient Air	Depth	46
SELF TEST CAPABILITY Not Reported	Manual Read Panel	Forced Air	Power	
REPLACEMENT LEVEL Not Reported		Liquid X	Modules	
			Frequency Band	
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Peak Power Out	
Not Reported	Hybrid 38	Redundant Channels	Average Power Out	
Tube	Linear/Interface 64	Graceful Degrading	# of Simultaneous Channels	
Variable Frequency	Digital SSI/MSI 322	Degraded Modes	Channel Width	
Traveling Wave Tube	Digital LSI & Memory 37	None	Pulse Repetition Frequency	
Graphic	Microprocessor 0	SCREEN CLASS	Digital Data Rate	
Head Up	Total IC'S 461	JAN TXV	# of Selectable Frequencies	
Projection	Tubes 2	JAN TX X	Frequency Stability	
Optoelectronic	Discretes 167	JAN Grade X	Duty Cycle	
Tracking	TOTAL ELEMENTS 630	Commercial Grade		

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID 292	General Purpose Computer	Automated ON line	Weight	100
PROGRAM ID	BIT Microprocessor	Automated OFF line	Volume	6.4E0
CATEGORY Electronic Warfare	Software Controlled	Manual	Height	20
EQUIPMENT TYPE Transmitter	Hardware Controlled	COOLING	Width	12
DERATING GUIDELINES Not Reported	Automated Print Out	Ambient Air	Depth	46
SELF TEST CAPABILITY Not Reported	Manual Read Panel	Forced Air	Power	
REPLACEMENT LEVEL Not Reported		Liquid X	Modules	
			Frequency Band	
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Peak Power Out	
Not Reported	Hybrid 54	Redundant Channels	Average Power Out	
Tube	Linear/Interface 70	Graceful Degrading	# of Simultaneous Channels	
Variable Frequency	Digital SSI/MSI 399	Degraded Modes	Channel Width	
Traveling Wave Tube	Digital LSI & Memory 81	None	Pulse Repetition Frequency	
Graphic	Microprocessor 0	SCREEN CLASS	Digital Data Rate	
Head Up	Total IC'S 604	JAN TXV	# of Selectable Frequencies	
Projection	Tubes 2	JAN TX X	Frequency Stability	
Optoelectronic	Discretes 260	JAN Grade X	Duty Cycle	
Tracking	TOTAL ELEMENTS 866	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	293	General Purpose Computer		Automated ON line		Weight	82
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	3.5E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	20
EQUIPMENT TYPE	Transmitter	Hardware Controlled		COOLING		Width	12
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	25
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Not Reported		Hybrid	41	Redundant Channels		Average Power Out	
Tube		Linear/Interface	54	Graceful Degrading		# of Simultaneous	
Variable Frequency		Digital SSI/MSI	314	Degraded Modes		Channels	
Traveling Wave Tube		Digital LSI & Memory	37	None		Channel Width	
Graphic		Microprocessor	0	SCREEN CLASS		Pulse Repetition	
Head Up		Total IC'S	446	JAN TXV		Frequency	
Projection		Tubes	2	JAN TX	X	Digital Data Rate	
Optoelectronic		Discretes	202	JAN Grade	X	# of Selectable	
Tracking		TOTAL ELEMENTS	650	Commercial Grade		Frequencies	
						Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	294	General Purpose Computer		Automated ON line		Weight	19
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.8E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	10
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	18
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Not Reported		Hybrid	0	Redundant Channels		Gain	
Tube		Linear/Interface	7	Graceful Degrading		Effective Area	
Variable Frequency		Digital SSI/MSI	1	Degraded Modes		Beam Width	
Traveling Wave Tube		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Graphic		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Head Up		Total IC'S	8	JAN TXV		Scan Sector Width	
Projection		Tubes	0	JAN TX	X		
Optoelectronic		Discretes	7	JAN Grade	X		
Tracking		TOTAL ELEMENTS	15	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	295	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.0E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	15
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	15
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	15
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	0	Redundant Channels		Polarization	
Tube		Linear/Interface	7	Graceful Degrading		Gain	
Variable Frequency		Digital SSI/MSI	1	Degraded Modes		Effective Area	
Traveling Wave Tube		Digital LSI & Memory	0	None		Beam Width	
Graphic		Microprocessor	0	SCREEN CLASS		Azimuth Scan Rate	
Head Up		Total IC'S	8	JAN TXV		Elevation Scan Rate	
Projection		Tubes	0	JAN TX	X	Scan Sector Width	
Optoelectronic		Discretes	10	JAN Grade	X		
Tracking		TOTAL ELEMENTS	18	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	296	General Purpose Computer		Automated ON line		Weight	8
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	5
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	19
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	1	Redundant Channels		Polarization	
Tube		Linear/Interface	0	Graceful Degrading		Gain	
Variable Frequency		Digital SSI/MSI	0	Degraded Modes		Effective Area	
Traveling Wave Tube		Digital LSI & Memory	0	None		Beam Width	
Graphic		Microprocessor	0	SCREEN CLASS		Azimuth Scan Rate	
Head Up		Total IC'S	1	JAN TXV		Elevation Scan Rate	
Projection		Tubes	0	JAN TX	X	Scan Sector Width	
Optoelectronic		Discretes	6	JAN Grade	X		
Tracking		TOTAL ELEMENTS	7	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	297	General Purpose Computer		Automated ON line		Weight	32
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	6.4E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	20
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	12
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	46
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Not Reported		Hybrid	33	Redundant Channels		# of Keys	
Tube		Linear/Interface	36	Graceful Degrading		# of Controls	
Variable Frequency		Digital SSI/MSI	349	Degraded Modes		Resolution	
Traveling Wave Tube		Digital LSI & Memory	44	None		# of Lines	
Graphic		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Head Up		Total IC'S	462	JAN TXV		Display Area	
Projection		Tubes	0	JAN TX	X	Display Diagonal	
Optoelectronic		Discretes	75	JAN Grade	X	# of Annunciators	
Tracking		TOTAL ELEMENTS	537	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	298	General Purpose Computer		Automated ON line		Weight	26
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.1E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	20
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	12
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	8
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Not Reported		Hybrid	0	Redundant Channels		Power Level	
Tube		Linear/Interface	0	Graceful Degrading			
Variable Frequency		Digital SSI/MSI	0	Degraded Modes			
Traveling Wave Tube		Digital LSI & Memory	0	None			
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	0	JAN TXV			
Projection		Tubes	0	JAN TX	X		
Optoelectronic		Discretes	2	JAN Grade			
Tracking		TOTAL ELEMENTS	2	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	299	General Purpose Computer		Automated ON line		Weight	153
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	6.4E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	20
EQUIPMENT TYPE	Cooling/Press./Vacuum	Hardware Controlled		COOLING		Width	12
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	46
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						Operate Temperature	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Operate Pressure	
Conduction		Hybrid	1	Redundant Channels		Temp. Tolerance	
Freon		Linear/Interface	0	Graceful Degrading		Pressure Tolerance	
Gaseous Medium		Digital SSI/MSI	0	Degraded Modes		# of Fans	
Traveling Wave Tube		Digital LSI & Memory	0	None		# of Pumps	
Graphic		Microprocessor	0	SCREEN CLASS		# of Compressors	
Head Up		Total IC'S	1	JAN TXV			
Projection		Tubes	0	JAN TX			
Optoelectronic		Discretes	0	JAN Grade	X		
Tracking		TOTAL ELEMENTS	1	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	300	General Purpose Computer		Automated ON line		Weight	77
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	3.0E0
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	20
EQUIPMENT TYPE	Cooling/Press./Vacuum	Hardware Controlled		COOLING		Width	12
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	25
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid	X	Modules	
						Operate Temperature	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Operate Pressure	
Conduction		Hybrid	1	Redundant Channels		Temp. Tolerance	
Freon		Linear/Interface	0	Graceful Degrading		Pressure Tolerance	
Gaseous Medium		Digital SSI/MSI	0	Degraded Modes		# of Fans	
Traveling Wave Tube		Digital LSI & Memory	0	None		# of Pumps	
Graphic		Microprocessor	0	SCREEN CLASS		# of Compressors	
Head Up		Total IC'S	1	JAN TXV			
Projection		Tubes	0	JAN TX			
Optoelectronic		Discretes	0	JAN Grade	X		
Tracking		TOTAL ELEMENTS	1	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	301	General Purpose Computer		Automated ON line		Weight	14
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Communications	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	11
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	6.4E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	16
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
ECM-EW		Hybrid	18	Redundant Channels		Average Power Out	
Freon		Linear/Interface	25	Graceful Degrading		# of Selectable Frequencies	
Gaseous Medium		Digital SSI/MSI	24	Degraded Modes		Frequency Stability	
Traveling Wave Tube		Digital LSI & Memory	0	None		Digital Data Rate	
Graphic		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Head Up		Total IC'S	67	JAN TXV		Pulse Repetition Frequency	
Projection		Tubes	0	JAN TX	X		
Optoelectronic		Discretes	183	JAN Grade	X		
Tracking		TOTAL ELEMENTS	250	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	302	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	3.0E0
CATEGORY	Communications	Software Controlled		Manual	Fault Isolation	Height	12
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	19
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	23
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	10	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	83	Graceful Degrading		Average RF Power	100
Frequency Modulated		Digital SSI/MSI	142	Degraded Modes		Simultaneous Channel	20
Frequency/Pulse Shift Keying		Digital LSI & Memory	0	None		Channel Width	2.5E4
Narrow Band		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Radio		Total IC'S	235	JAN TXV		Maximum Baud Rate	3.0E2
Secure Communication/Vocode		Tubes	0	JAN TX	X	Minimum Baud Rate	9.6E3
Simplex		Discretes	580	JAN Grade	X	# of Selectable Freq	7000
Solid State		TOTAL ELEMENTS	815	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	303	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	1.1E4
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
General Purpose		Hybrid	0	Redundant Channels		Memory Size	6.6E4
Magnetic Core		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Magnetic Disk Pack		Digital SSI/MSI	0	Degraded Modes		# of Busses	
Multiprocessor		Digital LSI & Memory	0	None		Memory I/O Rate	1.0E3
Parallel		Microprocessor	0	SCREEN CLASS		# of Registers	
Radio		Total IC'S	0	JAN TXV		# of Accumulators	
Secure Communication/Vocode		Tubes	0	JAN TX		# of Input Ports	
Simplex		Discretes	0	JAN Grade		# of Output Ports	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	304	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Memory	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Retrieval Time	0.15
Magnetic Disk		Hybrid	0	Redundant Channels		Word Length	256
Parallel		Linear/Interface	0	Graceful Degrading		Memory Size	256
Semiconductor		Digital SSI/MSI	0	Degraded Modes		I/O Rate	
Multiprocessor		Digital LSI & Memory	0	None			
Parallel		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	0	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX			
Simplex		Discretes	0	JAN Grade			
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	305	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Not Reported		Hybrid	0	Redundant Channels		# of Keys	
Parallel		Linear/Interface	0	Graceful Degrading		# of Controls	
Semiconductor		Digital SSI/MSI	0	Degraded Modes		Resolution	
Multiprocessor		Digital LSI & Memory	0	None		# of Lines	
Parallel		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Radio		Total IC'S	0	JAN TXV		Display Area	
Secure Communication/Vocode		Tubes	0	JAN TX		Display Diagonal	
Simplex		Discretes	0	JAN Grade		# of Annunciators	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	306	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Digital		Hybrid	0	Redundant Channels		Memory Size	
Error Correcting		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
External Program		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
General Purpose		Digital LSI & Memory	0	None		# of Busses	
Parallel		Microprocessor	0	SCREEN CLASS		# of Registers	
Radio		Total IC'S	0	JAN TXV		# of Accumulators	
Secure Communication/Vocode		Tubes	0	JAN TX		# of Input Ports	
Simplex		Discretes	0	JAN Grade		# of Output Ports	
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X		

IMPLEMENTATION			FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	307	General Purpose Computer	Automated ON line	Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	
CATEGORY	Computer	Software Controlled	Manual	Height	
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	COOLING	Width	
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air X	Power	
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	
				Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Word Length	32
DMA Channel		Hybrid 0	Redundant Channels	Memory Size	1.0E3
General Purpose		Linear/Interface 0	Graceful Degrading	Interrupt Levels	
Internal Semiconductor Memory		Digital SSI/MSI 0	Degraded Modes	Memory I/O Rate	
Parallel		Digital LSI & Memory 0	None	# of Busses	
Stored Program		Microprocessor 0	SCREEN CLASS	# of Registers	
Radio		Total IC'S 0	JAN TXV	# of Accumulators	
Secure Communication/Vocode		Tubes 0	JAN TX	# of Input Ports	
Simplex		Discretes 0	JAN Grade	# of Output Ports	
Solid State		TOTAL ELEMENTS Not Reported	Commercial Grade X		

IMPLEMENTATION			FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	308	General Purpose Computer	Automated ON line	Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	
CATEGORY	Computer	Software Controlled	Manual	Height	
EQUIPMENT TYPE	I/O Device	Hardware Controlled	COOLING	Width	
DERATING GUIDELINES	Not Reported	Automated Print Out	Ambient Air	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air X	Power	
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	
				Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Output Rate	
CRT		Hybrid 0	Redundant Channels	# of Keys	
Interactive		Linear/Interface 0	Graceful Degrading	# of Controls	
Keyboard		Digital SSI/MSI 0	Degraded Modes	Resolution	
Manual Control		Digital LSI & Memory 0	None	# of Lines	
Visual		Microprocessor 0	SCREEN CLASS	# of Characters/Line	
Radio		Total IC'S 0	JAN TXV	Display Area	
Secure Communication/Vocode		Tubes 0	JAN TX	Display Diagonal	
Simplex		Discretes 0	JAN Grade	# of Annunciators	
Solid State		TOTAL ELEMENTS Not Reported	Commercial Grade X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	309	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Computer	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	256
Dedicated		Hybrid	0	Redundant Channels		Memory Size	
Digital		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Internal Semiconductor Memory		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
Parallel		Digital LSI & Memory	0	None		# of Busses	
Stored Program		Microprocessor	0	SCREEN CLASS		# of Registers	32
Radio		Total IC'S	0	JAN TXV		# of Accumulators	
Secure Communication/Vocode		Tubes	0	JAN TX		# of Input Ports	8
Simplex		Discretes	0	JAN Grade		# of Output Ports	8
Solid State		TOTAL ELEMENTS	Not Reported	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	312	General Purpose Computer		Automated ON line		Weight	12
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Multichannel/Multifrequency		Hybrid	0	Redundant Channels		Way Points	
Omnidirectional		Linear/Interface	29	Graceful Degrading		Destinations	
VOR/DME		Digital SSI/MSI	28	Degraded Modes		Velocity Accuracy	
Parallel		Digital LSI & Memory	0	None	X	Height Accuracy	
Stored Program		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Radio		Total IC'S	57	JAN TXV		Frequency Band	
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Simplex		Discretes	141	JAN Grade	X		
Solid State		TOTAL ELEMENTS	198	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	313	General Purpose Computer		Automated ON line		Weight	10
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	5
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	13
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Sensitivity	
Multichannel/Multifrequency		Hybrid	0	Redundant Channels		# of Simultaneous Channels	
Solid State		Linear/Interface	29	Graceful Degrading		Channel Width	
VOR/DME		Digital SSI/MSI	28	Degraded Modes		Digital Data Rate	
Parallel		Digital LSI & Memory	0	None	X	# of Selectable Frequencies	
Stored Program		Microprocessor	0	SCREEN CLASS		Frequency Band	
Radio		Total IC'S	57	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Simplex		Discretes	141	JAN Grade	X		
Solid State		TOTAL ELEMENTS	198	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	314	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Input Rate	
Manual		Hybrid	0	Redundant Channels		Output Rate	
Visual		Linear/Interface	0	Graceful Degrading		# of Keys	
VOR/DME		Digital SSI/MSI	0	Degraded Modes		# of Controls	
Parallel		Digital LSI & Memory	0	None	X	Resolution	
Stored Program		Microprocessor	0	SCREEN CLASS		# of Lines	
Radio		Total IC'S	0	JAN TXV		# of Characters/Line	
Secure Communication/Vocode		Tubes	0	JAN TX		Display Area	
Simplex		Discretes	0	JAN Grade		Display Diagonal	
Solid State		TOTAL ELEMENTS	0	Commercial Grade		# of Annunciators	
						Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	315	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous	
Fixed Frequency		Hybrid	0	Redundant Channels		Channels	
Radar		Linear/Interface	0	Graceful Degrading		Channel Width	
VOR/DME		Digital SSI/MSI	0	Degraded Modes		Digital Data Rate	
Parallel		Digital LSI & Memory	0	None	X	# of Selectable	
Stored Program		Microprocessor	0	SCREEN CLASS		Frequencies	
Radio		Total IC'S	0	JAN TXV		Frequency Band	
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Simplex		Discretes	0	JAN Grade			
Solid State		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	316	General Purpose Computer		Automated ON line	Reconfiguration	Weight	286
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	4.1E1
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Doppler		Hybrid	0	Redundant Channels		Peak RF Power	
Fire Control		Linear/Interface	0	Graceful Degrading		Average RF Power	
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes		PRF	
Parallel		Digital LSI & Memory	0	None	X	AZ Coverage/Angle	
Stored Program		Microprocessor	0	SCREEN CLASS		Scan Rate	
Radio		Total IC'S	3,787	JAN TXV		Polarization	
Secure Communication/Vocode		Tubes	1	JAN TX	X	Beam Width	
Simplex		Discretes	714	JAN Grade	X	Elev. Coverage/Angle	
Solid State		TOTAL ELEMENTS	4,502	Commercial Grade		Target Size	
						Antenna Gain	

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	317	General Purpose Computer		Automated ON line	Reconfiguration	Weight	61
PROGRAM ID		BIT Microprocessor		Automated OFF li		Volume	3.5E0
CATEGORY	Radar	Software Controlled		Manual		Height	20
EQUIPMENT TYPE	Antenna	Hardware Controlled	X	COOLING		Width	17
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	18
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	5
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Azimuth Scanning		Hybrid	0	Redundant Channels		Gain	
Elevation Scanning		Linear/Interface	0	Graceful Degrading		Effective Area	
Traveling Wave Tube		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Parallel		Digital LSI & Memory	0	None	X	Azimuth Scan Rate	
Stored Program		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Radio		Total IC'S	94	JAN TXV		Scan Sector Width	60.0
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Simplex		Discretes	95	JAN Grade	X		
Solid State		TOTAL ELEMENTS	189	Commercial Grade			

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	318	General Purpose Computer		Automated ON line		Weight	48
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.1E0
CATEGORY	Radar	Software Controlled		Manual		Height	12
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	22
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	12
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	
Analog Signal Processing		Hybrid	0	Redundant Channels		Channel Width	
Digital Signal Processing		Linear/Interface	0	Graceful Degrading		Digital Data Rate	
Radar		Digital SSI/MSI	0	Degraded Modes		# of Selectable Frequencies	
Parallel		Digital LSI & Memory	0	None	X	Frequency Band	
Stored Program		Microprocessor	0	SCREEN CLASS			
Radio		Total IC'S	337	JAN TXV			
Secure Communication/Vocode		Tubes	0	JAN TX	X		
Simplex		Discretes	182	JAN Grade	X		
Solid State		TOTAL ELEMENTS	519	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	319	General Purpose Computer		Automated ON line	Reconfiguration	Weight	69
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.5E0
CATEGORY	Radar	Software Controlled		Manual		Height	12
EQUIPMENT TYPE	Transmitter	Hardware Controlled	X	COOLING		Width	11
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	19
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	12
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Radar		Hybrid	0	Redundant Channels		Peak Power Out	
Traveling Wave Tube		Linear/Interface	0	Graceful Degrading		Average Power Out	
Radar		Digital SSI/MSI	0	Degraded Modes		# of Simultaneous Channels	
Parallel		Digital LSI & Memory	0	None	X	Channel Width	
Stored Program		Microprocessor	0	SCREEN CLASS		Pulse Repetition Frequency	
Radio		Total IC'S	51	JAN TXV		Digital Data Rate	
Secure Communication/Vocode		Tubes	1	JAN TX	X	# of Selectable Frequencies	
Simplex		Discretes	197	JAN Grade	X	Frequency Stability	
Solid State		TOTAL ELEMENTS	249	Commercial Grade		Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	320	General Purpose Computer		Automated ON line		Weight	63
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E0
CATEGORY	Radar	Software Controlled		Manual		Height	11
EQUIPMENT TYPE	Signal/Data	Hardware Controlled	X	COOLING		Width	7
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	23
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	36
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
Dedicated		Hybrid	0	Redundant Channels		Word Length	
Digital		Linear/Interface	0	Graceful Degrading		Memory Size	
Radar		Digital SSI/MSI	0	Degraded Modes		Interrupt Levels	
Parallel		Digital LSI & Memory	0	None	X	Memory I/O Rate	
Stored Program		Microprocessor	0	SCREEN CLASS		# of Busses	
Radio		Total IC'S	2,340	JAN TXV		# of Registers	
Secure Communication/Vocode		Tubes	0	JAN TX	X	# of Accumulators	
Simplex		Discretes	112	JAN Grade	X	# of Input Ports	
Solid State		TOTAL ELEMENTS	2,452	Commercial Grade		# of Output Ports	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	321	General Purpose Computer		Automated ON line	Reconfiguration	Weight	31
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Radar	Software Controlled		Manual		Height	11
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled	X	COOLING		Width	4
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	21
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	12
						Clock Frequency	5.6E4
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	16
DMA Channel		Hybrid	0	Redundant Channels		Memory Size	3.7E4
General Purpose		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Stored Program		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
Parallel		Digital LSI & Memory	0	None	X	# of Busses	
Stored Program		Microprocessor	0	SCREEN CLASS		# of Registers	
Radio		Total IC'S	935	JAN TXV		# of Accumulators	
Secure Communication/Vocode		Tubes	0	JAN TX	X	# of Input Ports	8
Simplex		Discretes	122	JAN Grade	X	# of Output Ports	8
Solid State		TOTAL ELEMENTS	1,057	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	322	General Purpose Computer		Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Radar	Software Controlled		Manual		Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	7
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	6
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Manual		Hybrid	0	Redundant Channels		# of Keys	
Visual		Linear/Interface	0	Graceful Degrading		# of Controls	
Stored Program		Digital SSI/MSI	0	Degraded Modes		Resolution	
Parallel		Digital LSI & Memory	0	None	X	# of Lines	
Stored Program		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Radio		Total IC'S	36	JAN TXV		Display Area	
Secure Communication/Vocode		Tubes	0	JAN TX	X	Display Diagonal	
Simplex		Discretes	6	JAN Grade	X	# of Annunciators	
Solid State		TOTAL ELEMENTS	42	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	323	General Purpose Computer		Automated ON line		Weight	56
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.9E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	X	Forced Air		Power	3.5E2
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	27
						Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
Alphanumeric		Hybrid	13	Redundant Channels		Refresh	
CRT		Linear/Interface	64	Graceful Degrading		Operating Speed	
Display		Digital SSI/MSI	848	Degraded Modes		Number of Keys	
Flat Panel		Digital LSI & Memory	44	None	X	Display Area	
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	969	JAN TXV	X	# of Characters/Line	
Projection		Tubes	1	JAN TX	X	# of Controls	12
Simplex		Discretes	366	JAN Grade		Accuracy	
Solid State		TOTAL ELEMENTS	1,336	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	324	General Purpose Computer		Automated ON line		Weight	23
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.6E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	8
EQUIPMENT TYPE	Amplifier, Video	Hardware Controlled		COOLING		Width	8
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	18
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	X	Forced Air		Power	2.5E2
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	18
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Gain	
Linear		Hybrid	13	Redundant Channels		Peak Power Out	
Solid State		Linear/Interface	52	Graceful Degrading		Average Power Out	
Display		Digital SSI/MSI	848	Degraded Modes		Duty Cycle	
Flat Panel		Digital LSI & Memory	44	None	X		
Graphic		Microprocessor	0	SCREEN CLASS			
Head Up		Total IC'S	957	JAN TXV	X		
Projection		Tubes	0	JAN TX	X		
Simplex		Discretes	247	JAN Grade			
Solid State		TOTAL ELEMENTS	1,204	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	325	General Purpose Computer		Automated ON line		Weight	33
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.3E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	15
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	22
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	X	Forced Air		Power	1.0E2
REPLACEMENT LEVEL	Piece Part			Liquid		Modules	9
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Alphanumeric		Hybrid	0	Redundant Channels		# of Keys	
CRT		Linear/Interface	12	Graceful Degrading		# of Controls	12
Flat Panel		Digital SSI/MSI	0	Degraded Modes		Resolution	
Graphic		Digital LSI & Memory	0	None	X	# of Lines	
Projection		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Visual		Total IC'S	12	JAN TXV	X	Display Area	
Projection		Tubes	1	JAN TX	X	Display Diagonal	
Simplex		Discretes	119	JAN Grade		# of Annunciators	3
Solid State		TOTAL ELEMENTS	132	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	326	General Purpose Computer		Automated ON line	Fault Detection	Weight	35
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.8E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	9
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	8
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	18
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	16
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Attitude		Hybrid	537	Redundant Channels		Way Points	
Gimbaled		Linear/Interface	0	Graceful Degrading		Destinations	
Inertial		Digital SSI/MSI	0	Degraded Modes		Velocity Accuracy	
Graphic		Digital LSI & Memory	0	None	X	Height Accuracy	
Projection		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Visual		Total IC'S	537	JAN TXV	X	Frequency Band	
Projection		Tubes	0	JAN TX	X		
Simplex		Discretes	111	JAN Grade			
Solid State		TOTAL ELEMENTS	648	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	327	General Purpose Computer		Automated ON line		Weight	40
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	1.3E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air		Power	5.5E1
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Attitude		Hybrid	0	Redundant Channels		Way Points	
Gimbaled		Linear/Interface	21	Graceful Degrading		Destinations	
Inertial		Digital SSI/MSI	13	Degraded Modes		Velocity Accuracy	
Graphic		Digital LSI & Memory	0	None		Height Accuracy	
Projection		Microprocessor	0	SCREEN CLASS		Heading Accuracy	0.50
Visual		Total IC'S	34	JAN TXV	X	Frequency Band	
Projection		Tubes	0	JAN TX	X		
Simplex		Discretes	285	JAN Grade	X		
Solid State		TOTAL ELEMENTS	319	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	328	General Purpose Computer		Automated ON line		Weight	14
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Inertial Reference	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	10
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Velocity Accuracy	
Analog		Hybrid	0	Redundant Channels		Heading Accuracy	9
Electrically Driven Gyro		Linear/Interface	0	Graceful Degrading		Range	
Electrolytic Accelerometer		Digital SSI/MSI	0	Degraded Modes		Drift Rate	17
Free Gyro		Digital LSI & Memory	0	None		# of Gimbals	6
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Gyros	2
Rate Gyro		Total IC'S	0	JAN TXV		# of Accelerometers	2
Projection		Tubes	0	JAN TX			
Simplex		Discretes	2	JAN Grade	X		
Solid State		TOTAL ELEMENTS	2	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	329	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Not Reported		Hybrid	0	Redundant Channels		# of Keys	
Electrically Driven Gyro		Linear/Interface	0	Graceful Degrading		# of Controls	7
Electrolytic Accelerometer		Digital SSI/MSI	0	Degraded Modes		Resolution	
Free Gyro		Digital LSI & Memory	0	None		# of Lines	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Rate Gyro		Total IC'S	0	JAN TXV		Display Area	
Projection		Tubes	0	JAN TX		Display Diagonal	
Simplex		Discretes	0	JAN Grade		# of Annunciators	1
Solid State		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	330	General Purpose Computer		Automated ON line		Weight	16
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	10
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	4.0E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	8
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	0	Redundant Channels		Memory Size	
Dedicated		Linear/Interface	21	Graceful Degrading		Interrupt Levels	
Synchronous		Digital SSI/MSI	13	Degraded Modes		Memory I/O Rate	
Free Gyro		Digital LSI & Memory	0	None		# of Busses	
Gimbaled		Microprocessor	0	SCREEN CLASS		# of Registers	
Rate Gyro		Total IC'S	34	JAN TXV	X	# of Accumulators	
Projection		Tubes	0	JAN TX	X	# of Input Ports	
Simplex		Discretes	283	JAN Grade	X	# of Output Ports	
Solid State		TOTAL ELEMENTS	317	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	331	General Purpose Computer	Automated ON line	Weight	45
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	2.5E0
CATEGORY	Controls/Displays	Software Controlled	Manual	Height	14
EQUIPMENT TYPE		Hardware Controlled	COOLING	Width	20
DERATING GUIDELINES	Commercial Design Stand.	Automated Print Out	Ambient Air X	Depth	23
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power	4.0E1
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	4
				Resolution	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	# of Character Lines	60
Alphanumeric		Hybrid 0	Redundant Channels	Refresh	
CRT		Linear/Interface 9	Graceful Degrading	Operating Speed	
Control		Digital SSI/MSI 49	Degraded Modes	Number of Keys	93
Display		Digital LSI & Memory 16	None	Display Area	143
Electromechanical		Microprocessor 1	SCREEN CLASS		
Graphic		Total IC'S 75	JAN TXV	# of Characters/Line	80
Keyboard Entry		Tubes 1	JAN TX	# of Controls	98
Simplex		Discretes 70	JAN Grade	Accuracy	
Solid State		TOTAL ELEMENTS 146	Commercial Grade X		

IMPLEMENTATION			FAULT CONTROL	MAJOR PARAMETERS	
EQUIPMENT ID	332	General Purpose Computer	Automated ON line	Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line	Volume	0.2E0
CATEGORY	Controls/Displays	Software Controlled	Manual	Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	COOLING	Width	20
DERATING GUIDELINES	Commercial Design Stand.	Automated Print Out	Ambient Air X	Depth	7
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air	Power	
REPLACEMENT LEVEL	Not Reported		Liquid	Modules	3
				Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Output Rate	
Alphanumeric		Hybrid 0	Redundant Channels	# of Keys	93
Flat Panel		Linear/Interface 5	Graceful Degrading	# of Controls	98
Keyboard Entry		Digital SSI/MSI 49	Degraded Modes	Resolution	
Manual		Digital LSI & Memory 16	None	# of Lines	
Electromechanical		Microprocessor 1	SCREEN CLASS	# of Characters/Line	
Graphic		Total IC'S 71	JAN TXV	Display Area	
Keyboard Entry		Tubes 0	JAN TX	Display Diagonal	
Simplex		Discretes 17	JAN Grade	# of Annunciators	
Solid State		TOTAL ELEMENTS 88	Commercial Grade X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	333	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.3E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	14
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	20
DERATING GUIDELINES	Commercial Design Stand.	Automated Print Out		Ambient Air	X	Depth	14
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
CRT		Hybrid	0	Redundant Channels		# of Keys	
Graphic		Linear/Interface	4	Graceful Degrading		# of Controls	
Multicolor		Digital SSI/MSI	0	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None		# of Lines	60
Electromechanical		Microprocessor	0	SCREEN CLASS		# of Characters/Line	80
Graphic		Total IC'S	4	JAN TXV		Display Area	143
Keyboard Entry		Tubes	1	JAN TX		Display Diagonal	15
Simplex		Discretes	53	JAN Grade		# of Annunciators	
Solid State		TOTAL ELEMENTS	58	Commercial Grade	X	Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	334	General Purpose Computer		Automated ON line	Fault Detection	Weight	12977
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	6.2E2
CATEGORY	Sonar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	9.0E4
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Frequency Band	8.4E3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Active		Hybrid	1,587	Redundant Channels		Transmitter Power	1.0E3
Audio Monitor		Linear/Interface	879	Graceful Degrading		PRF	
Continuous Wave		Digital SSI/MSI	3,685	Degraded Modes		AZ Coverage/Angle	360
Detect		Digital LSI & Memory	253	None		Vertical Beam Width	12.50
Directional		Microprocessor	0	SCREEN CLASS		Horz. Beam Width	12.00
Doppler		Total IC'S	6,404	JAN TXV		Pulse Length	1.6E2
Frequency Modulated		Tubes	2	JAN TX	X	# of Transducers	288
Localize		Discretes	5,720	JAN Grade	X	Duty Cycle	15.00
Omnidirectional		TOTAL ELEMENTS	12,126	Commercial Grade			

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	335	General Purpose Computer		Automated ON line	Fault Detection	Weight	12977
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	6.2E2
CATEGORY	Sonar	Software Controlled		Manual	Reconfiguration	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	9.0E4
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Frequency Band	8.4E3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Active		Hybrid	1,587	Redundant Channels		Transmitter Power	1.0E3
Audio Monitor		Linear/Interface	879	Graceful Degrading		PRF	
Continuous Wave		Digital SSI/MSI	3,685	Degraded Modes		AZ Coverage/Angle	360
Detect		Digital LSI & Memory	253	None		Vertical Beam Width	12.50
Directional		Microprocessor	0	SCREEN CLASS		Horz. Beam Width	12.00
Doppler		Total IC'S	6,404	JAN TXV		Pulse Length	1.6E2
Frequency Modulated		Tubes	2	JAN TX	X	# of Transducers	288
Localize		Discretes	5,720	JAN Grade	X	Duty Cycle	15.00
Omnidirectional		TOTAL ELEMENTS	12,126	Commercial Grade			

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	336	General Purpose Computer		Automated ON line		Weight	256
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	8.7E1
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	8.3E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	26
						Frequency Band	UHF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Audio/Voice		Hybrid	8	Redundant Channels		Peak RF Power	
Digital Data		Linear/Interface	53	Graceful Degrading		Average RF Power	
Frequency Modulated		Digital SSI/MSI	63	Degraded Modes		Simultaneous Channel	15
Frequency/Pulse Shift Keying		Digital LSI & Memory	0	None		Channel Width	
Radio		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Receiver		Total IC'S	124	JAN TXV	X	Maximum Baud Rate	75
Solid State		Tubes	0	JAN TX	X	Minimum Baud Rate	
Localize		Discretes	430	JAN Grade	X	# of Selectable Freq	
Omnidirectional		TOTAL ELEMENTS	554	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	337	General Purpose Computer		Automated ON line		Weight	5
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	4.0E1
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	5
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Dead Reckoning		Hybrid	0	Redundant Channels		Way Points	
Digital Data		Linear/Interface	15	Graceful Degrading		Destinations	
Frequency Modulated		Digital SSI/MSI	10	Degraded Modes		Velocity Accuracy	
Frequency/Pulse Shift Keying		Digital LSI & Memory	0	None	X	Height Accuracy	
Radio		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Receiver		Total IC'S	25	JAN TXV	X	Frequency Band	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	240	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	265	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	338	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	8
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	4
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	3
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	4.0E1
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	S
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	2.0E2
Radar		Hybrid	0	Redundant Channels		Average Power Out	
Digital Data		Linear/Interface	11	Graceful Degrading		# of Selectable Frequencies	
Frequency Modulated		Digital SSI/MSI	10	Degraded Modes		Frequency Stability	
Frequency/Pulse Shift Keying		Digital LSI & Memory	0	None	X	Digital Data Rate	
Radio		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Receiver		Total IC'S	21	JAN TXV	X	Pulse Repetition Frequency	1.0E4
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	218	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	239	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	339	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Meter		Hybrid	0	Redundant Channels		# of Keys	
Visual		Linear/Interface	4	Graceful Degrading		# of Controls	2
Frequency Modulated		Digital SSI/MSI	0	Degraded Modes		Resolution	
Frequency/Pulse Shift Keying		Digital LSI & Memory	0	None	X	# of Lines	
Radio		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Receiver		Total IC'S	4	JAN TXV	X	Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	22	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	26	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	340	General Purpose Computer		Automated ON line	Fault Detection	Weight	3
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Attitude		Hybrid	0	Redundant Channels		Way Points	
Gimbaled		Linear/Interface	0	Graceful Degrading		Destinations	
Inertial		Digital SSI/MSI	0	Degraded Modes		Velocity Accuracy	
Frequency/Pulse Shift Keying		Digital LSI & Memory	0	None	X	Height Accuracy	
Radio		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Receiver		Total IC'S	42	JAN TXV	X	Frequency Band	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	222	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	264	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	341	General Purpose Computer		Automated ON line	Fault Detection	Weight	29
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.5E0
CATEGORY	Computer	Software Controlled	X	Manual		Height	8
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	5
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	21
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	13
						Clock Frequency	4.0E3
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	16
DMA Channel		Hybrid	0	Redundant Channels		Memory Size	3.3E4
General Purpose		Linear/Interface	0	Graceful Degrading		Interrupt Levels	16
Magnetic Core		Digital SSI/MSI	0	Degraded Modes		# of Busses	
Frequency/Pulse Shift Keying		Digital LSI & Memory	0	None	X	Memory I/O Rate	
Radio		Microprocessor	0	SCREEN CLASS		# of Registers	16
Receiver		Total IC'S	785	JAN TXV	X	# of Accumulators	
Solid State		Tubes	0	JAN TX	X	# of Input Ports	
Localize		Discretes	116	JAN Grade		# of Output Ports	
Omnidirectional		TOTAL ELEMENTS	901	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	342	General Purpose Computer		Automated ON line	Fault Detection	Weight	17
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.4E0
CATEGORY	Computer	Software Controlled	X	Manual		Height	7
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	15
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	17
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	0	Redundant Channels		Memory Size	2.6E3
Digital		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Parallel		Digital SSI/MSI	0	Degraded Modes		# of Busses	
Serial		Digital LSI & Memory	0	None	X	Memory I/O Rate	
Radio		Microprocessor	0	SCREEN CLASS		# of Registers	
Receiver		Total IC'S	438	JAN TXV	X	# of Accumulators	
Solid State		Tubes	0	JAN TX	X	# of Input Ports	
Localize		Discretes	73	JAN Grade		# of Output Ports	
Omnidirectional		TOTAL ELEMENTS	511	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	343	General Purpose Computer		Automated ON line	Fault Detection	Weight	11
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	7
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	10
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	7
						Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	0	Redundant Channels		Memory Size	
Dedicated		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Stored Program		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
Synchronous		Digital LSI & Memory	0	None	X	# of Busses	
Radio		Microprocessor	0	SCREEN CLASS		# of Registers	
Receiver		Total IC'S	42	JAN TXV	X	# of Accumulators	
Solid State		Tubes	0	JAN TX	X	# of Input Ports	
Localize		Discretes	220	JAN Grade		# of Output Ports	
Omnidirectional		TOTAL ELEMENTS	262	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	344	General Purpose Computer		Automated ON line	Fault Detection	Weight	14
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.2E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Inertial Reference	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	10
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	1
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Velocity Accuracy	
Electrolytic Accelerometer		Hybrid	0	Redundant Channels		Heading Accuracy	
Gimbaled		Linear/Interface	0	Graceful Degrading		Range	
Over 1 Hr Mission		Digital SSI/MSI	0	Degraded Modes		Drift Rate	
Synchronous		Digital LSI & Memory	0	None	X	# of Gimbals	
Radio		Microprocessor	0	SCREEN CLASS		# of Gyros	
Receiver		Total IC'S	0	JAN TXV	X	# of Accelerometers	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	2	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	2	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	345	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	2
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	4
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	1
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Electromechanical		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	0	Graceful Degrading		# of Controls	
Meter		Digital SSI/MSI	0	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None	X	# of Lines	
Radio		Microprocessor	0	SCREEN CLASS		# of Characters/Line	5
Receiver		Total IC'S	0	JAN TXV	X	Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	0	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	346	General Purpose Computer		Automated ON line	Fault Detection	Weight	84
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	1.7E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Azimuth Rotation		Hybrid	0	Redundant Channels		Gain	
Horn		Linear/Interface	0	Graceful Degrading		Effective Area	
Tracking		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Visual		Digital LSI & Memory	0	None	X	Azimuth Scan Rate	
Radio		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Receiver		Total IC'S	67	JAN TXV	X	Scan Sector Width	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	0	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	67	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	347	General Purpose Computer		Automated ON line	Fault Detection	Weight	113
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Transmitter	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	4.8E3
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid	X	Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Radar		Hybrid	0	Redundant Channels		Peak Power Out	
Traveling Wave Tube		Linear/Interface	0	Graceful Degrading		Average Power Out	
Tracking		Digital SSI/MSI	0	Degraded Modes		# of Simultaneous Channels	
Visual		Digital LSI & Memory	0	None	X	Channel Width	
Radio		Microprocessor	0	SCREEN CLASS		Pulse Repetition Frequency	
Receiver		Total IC'S	154	JAN TXV	X	Digital Data Rate	
Solid State		Tubes	1	JAN TX	X	# of Selectable Frequencies	
Localize		Discretes	0	JAN Grade		Frequency Stability	
Omnidirectional		TOTAL ELEMENTS	155	Commercial Grade		Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	348	General Purpose Computer		Automated ON line	Fault Detection	Weight	46
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.9E0
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	3.9E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Sensitivity	
Digital Signal Processing		Hybrid	76	Redundant Channels		# of Simultaneous Channels	2
Radar		Linear/Interface	0	Graceful Degrading		Channel Width	
Tracking		Digital SSI/MSI	0	Degraded Modes		Digital Data Rate	
Visual		Digital LSI & Memory	0	None	X	# of Selectable Frequencies	
Radio		Microprocessor	0	SCREEN CLASS		Frequency Band	
Receiver		Total IC'S	76	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	0	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	76	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	349	General Purpose Computer		Automated ON line	Fault Detection	Weight	45
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.9E0
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	6.3E2
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Clock Frequency	7.2E6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Analog		Hybrid	0	Redundant Channels		Memory Size	
DMA Channel		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Digital		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
External Program		Digital LSI & Memory	0	None	X	# of Busses	
General Purpose		Microprocessor	0	SCREEN CLASS		# of Registers	
Synchronous		Total IC'S	1,089	JAN TXV	X	# of Accumulators	
Solid State		Tubes	0	JAN TX	X	# of Input Ports	
Localize		Discretes	0	JAN Grade		# of Output Ports	
Omnidirectional		TOTAL ELEMENTS	1,089	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	350	General Purpose Computer		Automated ON line	Fault Detection	Weight	55
PROGRAM ID		BIT Microprocessor	X	Automated OFF line		Volume	0.9E0
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Computer (CPU)	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	1.6E3
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Clock Frequency	1.0E6
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length	
Digital		Hybrid	0	Redundant Channels		Memory Size	
Stored Program		Linear/Interface	0	Graceful Degrading		Interrupt Levels	
Digital		Digital SSI/MSI	0	Degraded Modes		Memory I/O Rate	
External Program		Digital LSI & Memory	0	None	X	# of Busses	
General Purpose		Microprocessor	0	SCREEN CLASS		# of Registers	
Synchronous		Total IC'S	3,982	JAN TXV	X	# of Accumulators	
Solid State		Tubes	0	JAN TX	X	# of Input Ports	
Localize		Discretes	0	JAN Grade		# of Output Ports	
Omnidirectional		TOTAL ELEMENTS	3,982	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	352	General Purpose Computer	X	Automated ON line	Fault Detection	Weight	36
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.8E0
CATEGORY	Controls/Displays	Software Controlled	X	Manual		Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	20
						Resolution	101
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Character Lines	
CRT		Hybrid	0	Redundant Channels		Refresh	
Display		Linear/Interface	0	Graceful Degrading		Operating Speed	
Interactive		Digital SSI/MSI	0	Degraded Modes		Number of Keys	
Meter		Digital LSI & Memory	0	None		Display Area	4
General Purpose		Microprocessor	0	SCREEN CLASS			
Synchronous		Total IC'S	589	JAN TXV	X	# of Characters/Line	
Solid State		Tubes	1	JAN TX	X	# of Controls	6
Localize		Discretes	270	JAN Grade		Accuracy	
Omnidirectional		TOTAL ELEMENTS	860	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	353	General Purpose Computer		Automated ON line		Weight	10
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.3E0
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	6
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	7
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	12
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	8
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	0	Redundant Channels		# of Keys	
CRT		Linear/Interface	0	Graceful Degrading		# of Controls	5
Visual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Meter		Digital LSI & Memory	0	None	X	# of Lines	101
General Purpose		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Synchronous		Total IC'S	35	JAN TXV	X	Display Area	4
Solid State		Tubes	1	JAN TX	X	Display Diagonal	6
Localize		Discretes	128	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	164	Commercial Grade		Input Volts	

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	354	General Purpose Computer X	Automated ON line	Fault Isolation	Weight	23
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	0.4E0
CATEGORY	Controls/Displays	Software Controlled	Manual		Height	8
EQUIPMENT TYPE	Signal/Data	Hardware Controlled X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air		Depth	15
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	Forced Air	X	Power	2.3E2
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	12
					Clock Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Word Length	20
External Program		Hybrid 0	Redundant Channels		Memory Size	3.2E1
Serial		Linear/Interface 0	Graceful Degrading		Interrupt Levels	
Stored Program		Digital SSI/MSI 0	Degraded Modes		Memory I/O Rate	
Synchronous		Digital LSI & Memory 0	None	X	# of Busses	2
General Purpose		Microprocessor 0	SCREEN CLASS		# of Registers	
Synchronous		Total IC'S 554	JAN TXV	X	# of Accumulators	
Solid State		Tubes 0	JAN TX	X	# of Input Ports	3
Localize		Discretes 142	JAN Grade		# of Output Ports	6
Omnidirectional		TOTAL ELEMENTS 696	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	356	General Purpose Computer	Automated ON line	Fault Detection	Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	
CATEGORY	Electronic Warfare	Software Controlled	Manual		Height	
EQUIPMENT TYPE	Filter	Hardware Controlled X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	
					Insertion Loss	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Max Attenuation	
Active		Hybrid 0	Redundant Channels		Pass Band Width	
Band Stop		Linear/Interface 0	Graceful Degrading		Attenuate Band Width	
Complex Filter Pattern		Digital SSI/MSI 8	Degraded Modes		Phase Shift	
Signal		Digital LSI & Memory 0	None	X	Time Delay	
General Purpose		Microprocessor 0	SCREEN CLASS		Frequency Band	
Synchronous		Total IC'S 8	JAN TXV	X		
Solid State		Tubes 0	JAN TX			
Localize		Discretes 165	JAN Grade			
Omnidirectional		TOTAL ELEMENTS 173	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	357	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	V
Azimuth Scanning		Hybrid	95	Redundant Channels		Gain	48.2
Complex Radiation Pattern		Linear/Interface	4	Graceful Degrading		Effective Area	999.9
Elevation Scanning		Digital SSI/MSI	33	Degraded Modes		Beam Width	0.6
Fixed		Digital LSI & Memory	0	None		Azimuth Scan Rate	
Horn		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Phased Array		Total IC'S	132	JAN TXV		Scan Sector Width	
Solid State		Tubes	0	JAN TX			
Localize		Discretes	89	JAN Grade	X		
Omnidirectional		TOTAL ELEMENTS	221	Commercial Grade	X		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	358	General Purpose Computer		Automated ON line		Weight	15000
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	9.6E2
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	87
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	94
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	202
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid	X	Modules	
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Magnetron		Hybrid	21	Redundant Channels	X	Peak RF Power	
Multichannel/Multifrequency		Linear/Interface	611	Graceful Degrading		Average RF Power	6.5E4
Precision Approach		Digital SSI/MSI	717	Degraded Modes		PRF	3.8E1
Telegraph/Telex		Digital LSI & Memory	0	None		AZ Coverage/Angle	20.0
Tracking		Microprocessor	0	SCREEN CLASS		Scan Rate	240.0
Phased Array		Total IC'S	1,349	JAN TXV	X	Polarization	
Solid State		Tubes	2	JAN TX	X	Beam Width	
Localize		Discretes	2,362	JAN Grade		Elev. Coverage/Angle	8.0
Omnidirectional		TOTAL ELEMENTS	3,713	Commercial Grade		Target Size	
						Antenna Gain	39.0

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	359	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Antenna	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Complex Radiation Pattern		Hybrid	1	Redundant Channels		Gain	
Directional		Linear/Interface	2	Graceful Degrading		Effective Area	
Elevation Scanning		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Telegraph/Telex		Digital LSI & Memory	0	None	X	Azimuth Scan Rate	
Tracking		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Phased Array		Total IC'S	3	JAN TXV	X	Scan Sector Width	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	1	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	4	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	360	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE	Antenna	Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Azimuth Scanning		Hybrid	1	Redundant Channels		Gain	
Complex Radiation Pattern		Linear/Interface	2	Graceful Degrading		Effective Area	
Directional		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Telegraph/Telex		Digital LSI & Memory	0	None	X	Azimuth Scan Rate	
Tracking		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Phased Array		Total IC'S	3	JAN TXV	X	Scan Sector Width	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	0	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	3	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	361	General Purpose Computer		Automated ON line		Weight	163
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	9.8E0
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	32
EQUIPMENT TYPE	Converter	Hardware Controlled	X	COOLING		Width	23
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	23
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						# of Bits	12
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
Discrete Components		Hybrid	1	Redundant Channels		Freq. Band Input	
Hybrid		Linear/Interface	10	Graceful Degrading		Freq. Band Output	
Serial		Digital SSI/MSI	243	Degraded Modes			
Telegraph/Telex		Digital LSI & Memory	0	None	X		
Tracking		Microprocessor	0	SCREEN CLASS			
Phased Array		Total IC'S	254	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	112	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	366	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	362	General Purpose Computer		Automated ON line		Weight	458
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	2.3E1
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	69
EQUIPMENT TYPE	Receiver	Hardware Controlled	X	COOLING		Width	23
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	25
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Sensitivity	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		# of Simultaneous Channels	1
Radar		Hybrid	16	Redundant Channels		Channel Width	4.0E3
Solid State		Linear/Interface	110	Graceful Degrading		Digital Data Rate	
Serial		Digital SSI/MSI	292	Degraded Modes		# of Selectable Frequencies	
Telegraph/Telex		Digital LSI & Memory	0	None	X	Frequency Band	X
Tracking		Microprocessor	0	SCREEN CLASS			
Phased Array		Total IC'S	418	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	766	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	1,184	Commercial Grade			

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID 363	General Purpose Computer	Automated ON line	Weight
PROGRAM ID	BIT Microprocessor	Automated OFF line Fault Detection	Volume
CATEGORY Radar	Software Controlled	Manual Fault Detection	Height
EQUIPMENT TYPE Mux/Demux	Hardware Controlled	COOLING	Width
DERATING GUIDELINES High Reliability	Automated Print Out	Ambient Air X	Depth
SELF TEST CAPABILITY Automated Bit	Manual Read Panel X	Forced Air	Power
REPLACEMENT LEVEL Unit (LRU/SRU)		Liquid	Modules
			Carrier Frequency
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Modulation Rate
Digital	Hybrid 0	Redundant Channels	Modulation Baud Rate
Solid State	Linear/Interface 280	Graceful Degrading	PRF
Serial	Digital SSI/MSI 73	Degraded Modes	Peak Volts Output
Telegraph/Telex	Digital LSI & Memory 0	None X	# of Combined Signal 14
Tracking	Microprocessor 0	SCREEN CLASS	
Phased Array	Total IC'S 353	JAN TXV X	
Solid State	Tubes 0	JAN TX X	
Localize	Discretes 618	JAN Grade	
Omnidirectional	TOTAL ELEMENTS 971	Commercial Grade	

IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID 364	General Purpose Computer	Automated ON line	Weight 12
PROGRAM ID	BIT Microprocessor	Automated OFF line Fault Detection	Volume 0.7E0
CATEGORY Radar	Software Controlled	Manual Fault Detection	Height 5
EQUIPMENT TYPE Interconnect/Distribute	Hardware Controlled	COOLING	Width 21
DERATING GUIDELINES High Reliability	Automated Print Out	Ambient Air X	Depth 11
SELF TEST CAPABILITY Automated Bit	Manual Read Panel X	Forced Air	Power
REPLACEMENT LEVEL Unit (LRU/SRU)		Liquid	Modules
			# of Signals
DESIGN APPROACH/TECHNOLOGY	ACTIVE ELEMENT COUNT	FAULT TOLERANCE	Frequency Band
Passive	Hybrid 0	Redundant Channels	Power Level
Signal	Linear/Interface 0	Graceful Degrading	
Serial	Digital SSI/MSI 0	Degraded Modes	
Telegraph/Telex	Digital LSI & Memory 0	None X	
Tracking	Microprocessor 0	SCREEN CLASS	
Phased Array	Total IC'S 0	JAN TXV X	
Solid State	Tubes 0	JAN TX X	
Localize	Discretes 5	JAN Grade	
Omnidirectional	TOTAL ELEMENTS 5	Commercial Grade	

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	365	General Purpose Computer	Automated ON line		Weight
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume
CATEGORY	Radar	Software Controlled	Manual	Fault Detection	Height
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air	X	Depth
SELF TEST CAPABILITY	None	Manual Read Panel	Forced Air		Power
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules
					Input Rate
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Output Rate
Audible		Hybrid 0	Redundant Channels		# of Keys
Flat Panel		Linear/Interface 0	Graceful Degrading		# of Controls
Manual		Digital SSI/MSI 0	Degraded Modes		Resolution
Visual		Digital LSI & Memory 0	None	X	# of Lines
Tracking		Microprocessor 0	SCREEN CLASS		# of Characters/Line
Phased Array		Total IC'S 0	JAN TXV	X	Display Area
Solid State		Tubes 0	JAN TX	X	Display Diagonal
Localize		Discretes 21	JAN Grade		# of Annunciators
Omnidirectional		TOTAL ELEMENTS 21	Commercial Grade		Input Volts

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	366	General Purpose Computer	Automated ON line		Weight
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume
CATEGORY	Radar	Software Controlled	Manual	Fault Detection	Height
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air	X	Depth
SELF TEST CAPABILITY	None	Manual Read Panel	Forced Air		Power
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules
					Input Rate
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Output Rate
Automatic		Hybrid 0	Redundant Channels		# of Keys
Flat Panel		Linear/Interface 0	Graceful Degrading		# of Controls
Manual		Digital SSI/MSI 0	Degraded Modes		Resolution
Visual		Digital LSI & Memory 0	None	X	# of Lines
Tracking		Microprocessor 0	SCREEN CLASS		# of Characters/Line
Phased Array		Total IC'S 0	JAN TXV	X	Display Area
Solid State		Tubes 0	JAN TX	X	Display Diagonal
Localize		Discretes 74	JAN Grade		# of Annunciators
Omnidirectional		TOTAL ELEMENTS 74	Commercial Grade		Input Volts

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	367	General Purpose Computer	Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled	Manual	Fault Detection	Height	
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air	X	Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	
					# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Frequency Band	
Passive		Hybrid 0	Redundant Channels		Power Level	
Power		Linear/Interface 0	Graceful Degrading			
Manual		Digital SSI/MSI 0	Degraded Modes			
Visual		Digital LSI & Memory 0	None	X		
Tracking		Microprocessor 0	SCREEN CLASS			
Phased Array		Total IC'S 0	JAN TXV	X		
Solid State		Tubes 0	JAN TX	X		
Localize		Discretes 1	JAN Grade			
Omnidirectional		TOTAL ELEMENTS 1	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	368	General Purpose Computer	Automated ON line		Weight	525
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	1.4E1
CATEGORY	Radar	Software Controlled	Manual	Fault Detection	Height	13
EQUIPMENT TYPE	Power Supply	Hardware Controlled	COOLING		Width	114
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air	X	Depth	16
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	
					# of Outputs	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Voltage Out # 1	120
AC Input		Hybrid 0	Redundant Channels		Voltage Out # 2	
Between 50-150 Volts		Linear/Interface 0	Graceful Degrading		Voltage Out # 3	
Switching Regulated		Digital SSI/MSI 0	Degraded Modes		Current Out # 1	
Visual		Digital LSI & Memory 0	None	X	Current Out # 2	
Tracking		Microprocessor 0	SCREEN CLASS		Current Out # 3	
Phased Array		Total IC'S 0	JAN TXV	X	Percent Regulation 1	
Solid State		Tubes 0	JAN TX	X	Percent Regulation 2	
Localize		Discretes 0	JAN Grade		Percent Regulation 3	
Omnidirectional		TOTAL ELEMENTS 0	Commercial Grade		Input Frequency	60
					Convert or Output Frequency	60

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	369	General Purpose Computer		Automated ON line		Weight	20
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.6E0
CATEGORY	Radar	Software Controlled		Manual		Height	15
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	7
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						# of Signals	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	
Audible		Hybrid	0	Redundant Channels		Power Level	
Power		Linear/Interface	0	Graceful Degrading			
Switching Regulated		Digital SSI/MSI	0	Degraded Modes			
Visual		Digital LSI & Memory	0	None	X		
Tracking		Microprocessor	0	SCREEN CLASS			
Phased Array		Total IC'S	0	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	7	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	7	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	370	General Purpose Computer		Automated ON line		Weight	70
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	1.0E0
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	5
EQUIPMENT TYPE	Power Supply	Hardware Controlled	X	COOLING		Width	4
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	8
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						# of Outputs	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Voltage Out # 1	28
Digital		Hybrid	0	Redundant Channels		Voltage Out # 2	
Solid State		Linear/Interface	0	Graceful Degrading		Voltage Out # 3	
Switching Regulated		Digital SSI/MSI	0	Degraded Modes		Current Out # 1	15000
Visual		Digital LSI & Memory	0	None	X	Current Out # 2	
Tracking		Microprocessor	0	SCREEN CLASS		Current Out # 3	
Phased Array		Total IC'S	0	JAN TXV	X	Percent Regulation 1	
Solid State		Tubes	0	JAN TX	X	Percent Regulation 2	
Localize		Discretes	24	JAN Grade		Percent Regulation 3	
Omnidirectional		TOTAL ELEMENTS	24	Commercial Grade		Input Frequency	60
						Convert or Output Frequency	

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	371	General Purpose Computer		Automated ON line		Weight	63
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	2.8E0
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	11
EQUIPMENT TYPE	Mux/Demux	Hardware Controlled		COOLING		Width	21
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	21
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Carrier Frequency	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Modulation Rate	
Digital		Hybrid	0	Redundant Channels		Modulation Baud Rate	
Solid State		Linear/Interface	143	Graceful Degrading		PRF	
Switching Regulated		Digital SSI/MSI	39	Degraded Modes		Peak Volts Output	
Visual		Digital LSI & Memory	0	None	X	# of Combined Signal	14
Tracking		Microprocessor	0	SCREEN CLASS			
Phased Array		Total IC'S	182	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	305	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	487	Commercial Grade			

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	372	General Purpose Computer		Automated ON line		Weight	20
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.2E0
CATEGORY	Radar	Software Controlled		Manual		Height	9
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	21
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	20
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	0	Redundant Channels		# of Keys	
Flat Panel		Linear/Interface	0	Graceful Degrading		# of Controls	7
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None	X	# of Lines	
Tracking		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Phased Array		Total IC'S	0	JAN TXV	X	Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	0	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	0	Commercial Grade		Input Volts	

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	373	General Purpose Computer		Automated ON line		Weight	21
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.9E0
CATEGORY	Radar	Software Controlled		Manual		Height	12
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	21
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	20
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Flat Panel		Hybrid	0	Redundant Channels		# of Keys	
Manual		Linear/Interface	0	Graceful Degrading		# of Controls	6
Manual		Digital SSI/MSI	0	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None	X	# of Lines	
Tracking		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Phased Array		Total IC'S	0	JAN TXV	X	Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	35	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	35	Commercial Grade		Input Volts	

IMPLEMENTATION				FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	374	General Purpose Computer		Automated ON line		Weight	471
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	2.2E1
CATEGORY	Radar	Software Controlled		Manual		Height	55
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	22
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	31
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
CRT		Hybrid	0	Redundant Channels		# of Keys	
Visual		Linear/Interface	62	Graceful Degrading		# of Controls	
Manual		Digital SSI/MSI	68	Degraded Modes		Resolution	
Visual		Digital LSI & Memory	0	None	X	# of Lines	
Tracking		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Phased Array		Total IC'S	130	JAN TXV	X	Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	231	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	361	Commercial Grade		Input Volts	

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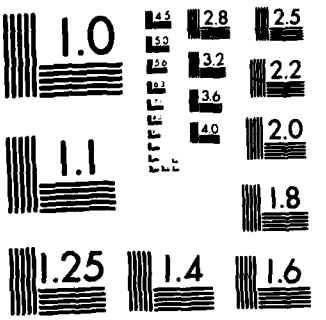

CROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	375	General Purpose Computer		Automated ON line		Weight	656
PROGRAM ID		BIT Microprocessor		Automated OFF line	Fault Detection	Volume	1.9E1
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	32
EQUIPMENT TYPE	Transmitter	Hardware Controlled	X	COOLING		Width	45
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	23
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Assembly (SRU)			Liquid		Modules	
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	6.5E4
Magnetron		Hybrid	0	Redundant Channels		Average Power Out	3.9E1
Radar		Linear/Interface	0	Graceful Degrading		# of Simultaneous	
Manual		Digital SSI/MSI	0	Degraded Modes		Channels	
Visual		Digital LSI & Memory	0	None	X	Channel Width	
Tracking		Microprocessor	0	SCREEN CLASS		Pulse Repetition	3300
Phased Array		Total IC'S	0	JAN TXV	X	Frequency	
Solid State		Tubes	2	JAN TX	X	Digital Data Rate	
Localize		Discretes	54	JAN Grade		# of Selectable	
Omnidirectional		TOTAL ELEMENTS	56	Commercial Grade		Frequencies	
						Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	376	General Purpose Computer		Automated ON line		Weight	275
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	8.0E0
CATEGORY	Radar	Software Controlled		Manual	Fault Detection	Height	30
EQUIPMENT TYPE	Converter	Hardware Controlled	X	COOLING		Width	23
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	20
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						# of Bits	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Clock Frequency	
Discrete Components		Hybrid	0	Redundant Channels		Freq. Band Input	X
Frequency Converter		Linear/Interface	2	Graceful Degrading		Freq. Band Output	
Manual		Digital SSI/MSI	2	Degraded Modes			
Visual		Digital LSI & Memory	0	None	X		
Tracking		Microprocessor	0	SCREEN CLASS			
Phased Array		Total IC'S	4	JAN TXV	X		
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	70	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	74	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	378	General Purpose Computer		Automated ON line		Weight	428
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	6.6E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Detection	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid	X	Modules	4
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Gimbaled		Hybrid	0	Redundant Channels		Way Points	
Inertial		Linear/Interface	0	Graceful Degrading		Destinations	
Laser		Digital SSI/MSI	0	Degraded Modes		Velocity Accuracy	
Visual		Digital LSI & Memory	0	None	X	Height Accuracy	
Tracking		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Phased Array		Total IC'S	568	JAN TXV		Frequency Band	
Solid State		Tubes	4	JAN TX	X		
Localize		Discretes	604	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	1,176	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	379	General Purpose Computer		Automated ON line		Weight	637
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	19
						Frequency Band	K
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Magnetron		Hybrid	0	Redundant Channels		Peak RF Power	
Surveillance/Search		Linear/Interface	0	Graceful Degrading		Average RF Power	
Terrain Following/Avoidance		Digital SSI/MSI	0	Degraded Modes		PRF	
Tracking		Digital LSI & Memory	0	None	X	AZ Coverage/Angle	
Tracking		Microprocessor	0	SCREEN CLASS		Scan Rate	
Phased Array		Total IC'S	172	JAN TXV	X	Polarization	
Solid State		Tubes	24	JAN TX	X	Beam Width	
Localize		Discretes	2,920	JAN Grade		Elev. Coverage/Angle	
Omnidirectional		TOTAL ELEMENTS	3,116	Commercial Grade		Target Size	
						Antenna Gain	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	380	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor	X	Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air	X	Power	2.6E3
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	3
						Frequency Band	HF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	0	Redundant Channels		Peak RF Power	
Audio/Voice		Linear/Interface	0	Graceful Degrading		Average RF Power	4.0E2
Continuous Wave		Digital SSI/MSI	0	Degraded Modes		Simultaneous Channel	1
Digital Data		Digital LSI & Memory	0	None	X	Channel Width	1.0E2
Radio		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Single Side Band		Total IC'S	204	JAN TXV		Maximum Baud Rate	
Solid State		Tubes	0	JAN TX	X	Minimum Baud Rate	
Localize		Discretes	514	JAN Grade		# of Selectable Freq	30
Omnidirectional		TOTAL ELEMENTS	718	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	381	General Purpose Computer		Automated ON line		Weight	50
PROGRAM ID		BIT Microprocessor	X	Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled	X	Manual	Fault Detection	Height	8
EQUIPMENT TYPE	Transceiver	Hardware Controlled		COOLING		Width	10
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	19
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	21
						Frequency Band	HF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	
Amplitude Modulation		Hybrid	0	Redundant Channels		Average Power Out	4.0E2
Continuous Wave		Linear/Interface	0	Graceful Degrading		# of Selectable Frequencies	
Digital Data		Digital SSI/MSI	0	Degraded Modes		Frequency Stability	
Single Side Band		Digital LSI & Memory	0	None	X	Digital Data Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Voice		Total IC'S	133	JAN TXV		Pulse Repetition Frequency	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	386	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	519	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	382	General Purpose Computer		Automated ON line		Weight	2
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled	X	Manual	Fault Detection	Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	6
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	5
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Audible		Hybrid	0	Redundant Channels		# of Keys	
Visual		Linear/Interface	0	Graceful Degrading		# of Controls	
Digital Data		Digital SSI/MSI	0	Degraded Modes		Resolution	
Single Side Band		Digital LSI & Memory	0	None	X	# of Lines	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Voice		Total IC'S	23	JAN TXV		Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	89	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	112	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	383	General Purpose Computer		Automated ON line		Weight	24
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled	X	Manual	Fault Detection	Height	7
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled	X	COOLING		Width	8
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	21
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	30
						# of Signals	1
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band	HF
Active		Hybrid	0	Redundant Channels		Power Level	
Signal		Linear/Interface	0	Graceful Degrading			
Digital Data		Digital SSI/MSI	0	Degraded Modes			
Single Side Band		Digital LSI & Memory	0	None	X		
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Voice		Total IC'S	48	JAN TXV			
Solid State		Tubes	39	JAN TX	X		
Localize		Discretes	0	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	87	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	384	General Purpose Computer		Automated ON line		Weight	49
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Communications	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	None	Manual Read Panel		Forced Air		Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	3
						Frequency Band	HF
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Amplitude Modulation		Hybrid	0	Redundant Channels		Peak RF Power	4.0E2
Single Side Band		Linear/Interface	0	Graceful Degrading		Average RF Power	2.0E2
Voice		Digital SSI/MSI	0	Degraded Modes		Simultaneous Channel	
Single Side Band		Digital LSI & Memory	0	None	X	Channel Width	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Voice		Total IC'S	33	JAN TXV		Maximum Baud Rate	
Solid State		Tubes	0	JAN TX	X	Minimum Baud Rate	
Localize		Discretes	222	JAN Grade		# of Selectable Freq	
Omnidirectional		TOTAL ELEMENTS	255	Commercial Grade		Frequency Stability	
						Duty Cycle	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	385	General Purpose Computer		Automated ON line	Fault Detection	Weight	3
PROGRAM ID		BIT Microprocessor	X	Automated OFF line		Volume	
CATEGORY	Controls/Displays	Software Controlled		Manual		Height	
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Automated Bit	Manual Read Panel		Forced Air	X	Power	2.0E1
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	8
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Automatic		Hybrid	0	Redundant Channels		# of Keys	
Visual		Linear/Interface	0	Graceful Degrading		# of Controls	
Voice		Digital SSI/MSI	0	Degraded Modes		Resolution	
Single Side Band		Digital LSI & Memory	0	None	X	# of Lines	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Voice		Total IC'S	44	JAN TXV	X	Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	64	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	108	Commercial Grade		Input Volts	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	386	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled	X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Acoustic		Hybrid	0	Redundant Channels		Way Points	10.5
Radio		Linear/Interface	25	Graceful Degrading		Destinations	
Voice		Digital SSI/MSI	27	Degraded Modes		Velocity Accuracy	2.0E2
Single Side Band		Digital LSI & Memory	0	None	X	Height Accuracy	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Voice		Total IC'S	52	JAN TXV	X	Frequency Band	
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	276	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	328	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	387	General Purpose Computer		Automated ON line		Weight	4
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	0.1E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	5
EQUIPMENT TYPE	Transceiver	Hardware Controlled	X	COOLING		Width	3
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	8
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	2.5E1
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	4
						Frequency Band	X
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Peak Power Out	4.5E0
Fixed Frequency		Hybrid	0	Redundant Channels		Average Power Out	
Radar		Linear/Interface	13	Graceful Degrading		# of Selectable Frequencies	
Voice		Digital SSI/MSI	27	Degraded Modes		Frequency Stability	
Single Side Band		Digital LSI & Memory	0	None	X	Digital Data Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Receiver Sensitivity	
Voice		Total IC'S	40	JAN TXV	X	Pulse Repetition Frequency	1.7E4
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	212	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	252	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	388	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Polarization	
Directional		Hybrid	0	Redundant Channels		Gain	
Fixed		Linear/Interface	0	Graceful Degrading		Effective Area	
Voice		Digital SSI/MSI	0	Degraded Modes		Beam Width	
Single Side Band		Digital LSI & Memory	0	None	X	Azimuth Scan Rate	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Elevation Scan Rate	
Voice		Total IC'S	0	JAN TXV		Scan Sector Width	
Solid State		Tubes	0	JAN TX			
Localize		Discretes	0	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	0	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	389	General Purpose Computer		Automated ON line		Weight	1
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	3
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled	X	COOLING		Width	3
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	5
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air		Power	8.0E0
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	
						Input Rate	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate	
Meter		Hybrid	0	Redundant Channels		# of Keys	
Visual		Linear/Interface	0	Graceful Degrading		# of Controls	
Voice		Digital SSI/MSI	0	Degraded Modes		Resolution	
Single Side Band		Digital LSI & Memory	0	None	X	# of Lines	
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Characters/Line	
Voice		Total IC'S	0	JAN TXV	X	Display Area	
Solid State		Tubes	0	JAN TX	X	Display Diagonal	
Localize		Discretes	64	JAN Grade		# of Annunciators	
Omnidirectional		TOTAL ELEMENTS	64	Commercial Grade		Input Volts	

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	390	General Purpose Computer	Automated ON line	Fault Isolation	Weight	28
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	0.7E0
CATEGORY	Guidance/Navigation	Software Controlled	Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled X	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out X	Ambient Air X		Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel	Forced Air		Power	
REPLACEMENT LEVEL	Not Reported		Liquid		Modules	3
					Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Range	
Doppler		Hybrid 0	Redundant Channels		Way Points	
Geographic Position		Linear/Interface 0	Graceful Degrading		Destinations	
Velocity		Digital SSI/MSI 0	Degraded Modes		Velocity Accuracy	
Single Side Band		Digital LSI & Memory 0	None X		Height Accuracy	
Variable Frequency		Microprocessor 0	SCREEN CLASS		Heading Accuracy	
Voice		Total IC'S 0	JAN TXV X		Frequency Band	
Solid State		Tubes 0	JAN TX X			
Localize		Discretes 0	JAN Grade			
Omnidirectional		TOTAL ELEMENTS Not Reported	Commercial Grade			

IMPLEMENTATION			FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	391	General Purpose Computer	*Automated ON line*		Weight	370
PROGRAM ID		BIT Microprocessor	Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled	Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled	COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out	Ambient Air X		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	Forced Air X		Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)		Liquid		Modules	8
					Frequency Band	K
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT	FAULT TOLERANCE		Detection Range	
Magnetron		Hybrid 0	Redundant Channels		Peak RF Power	
Surveillance/Search		Linear/Interface 0	Graceful Degrading		Average RF Power	
Terrain Following/Avoidance		Digital SSI/MSI 0	Degraded Modes		PRF	
Tracking		Digital LSI & Memory 0	None X		AZ Coverage/Angle	
Variable Frequency		Microprocessor 0	SCREEN CLASS		Scan Rate	
Voice		Total IC'S 960	JAN TXV X		Polarization	
Solid State		Tubes 19	JAN TX X		Beam Width	
Localize		Discretes 2,838	JAN Grade		Elev. Coverage/Angle	
Omnidirectional		TOTAL ELEMENTS 3,817	Commercial Grade		Target Size	
					Antenna Gain	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	392	General Purpose Computer		Automated ON line		Weight	18
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.0E4
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Manual Bite	Manual Read Panel	X	Forced Air	X	Power	1.0E4
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	6
						Position Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Fixed Frequency		Hybrid	0	Redundant Channels		Way Points	
Radar		Linear/Interface	0	Graceful Degrading		Destinations	
Terrain Following/Avoidance		Digital SSI/MSI	0	Degraded Modes		Velocity Accuracy	
Tracking		Digital LSI & Memory	0	None		Height Accuracy	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Heading Accuracy	
Voice		Total IC'S	0	JAN TXV		Frequency Band	X
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	475	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	475	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	393	General Purpose Computer		Automated ON line		Weight	370
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Radar	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid		Modules	8
						Frequency Band	K
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Detection Range	
Magnetron		Hybrid	0	Redundant Channels		Peak RF Power	
Surveillance/Search		Linear/Interface	0	Graceful Degrading		Average RF Power	
Terrain Following/Avoidance		Digital SSI/MSI	0	Degraded Modes		PRF	
Tracking		Digital LSI & Memory	0	None	X	AZ Coverage/Angle	
Variable Frequency		Microprocessor	0	SCREEN CLASS		Scan Rate	
Voice		Total IC'S	1,092	JAN TXV	X	Polarization	
Solid State		Tubes	19	JAN TX	X	Beam Width	
Localize		Discretes	2,921	JAN Grade		Elev. Coverage/Angle	
Omnidirectional		TOTAL ELEMENTS	4,032	Commercial Grade		Target Size	
						Antenna Gain	

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	394	General Purpose Computer	X	Automated ON line		Weight	93
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	1.6E0
CATEGORY	Guidance/Navigation	Software Controlled		Manual	Fault Isolation	Height	
EQUIPMENT TYPE	Stellar Reference	Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth	
SELF TEST CAPABILITY	Semi Automated Bit	Manual Read Panel	X	Forced Air	X	Power	
REPLACEMENT LEVEL	Unit (LRU/SRU)			Liquid	X	Modules	2
						Ascension Accuracy	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Declination Accuracy	
Analog		Hybrid	0	Redundant Channels		# of Gimbals	
Automatic Capture		Linear/Interface	0	Graceful Degrading		Min. Magnitude Star	
Continuous Tracking		Digital SSI/MSI	0	Degraded Modes		Drift Rate	
Digital		Digital LSI & Memory	0	None	X		
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Voice		Total IC'S	622	JAN TXV			
Solid State		Tubes	0	JAN TX	X		
Localize		Discretes	71	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	693	Commercial Grade			

IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS	
EQUIPMENT ID	395	General Purpose Computer		Automated ON line		Weight	
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume	
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height	
EQUIPMENT TYPE		Hardware Controlled		COOLING		Width	
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth	
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power	
REPLACEMENT LEVEL	Not Reported			Liquid		Modules	23
						Frequency Band	
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Range	
Continuous Wave		Hybrid	91	Redundant Channels		Peak RF Power	
Traveling Wave Tube		Linear/Interface	89	Graceful Degrading		Average RF Power	
Continuous Tracking		Digital SSI/MSI	402	Degraded Modes			
Digital		Digital LSI & Memory	109	None			
Variable Frequency		Microprocessor	0	SCREEN CLASS			
Voice		Total IC'S	691	JAN TXV	X		
Solid State		Tubes	15	JAN TX	X		
Localize		Discretes	595	JAN Grade			
Omnidirectional		TOTAL ELEMENTS	1,301	Commercial Grade			

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	396	General Purpose Computer		Automated ON line		Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power
REPLACEMENT LEVEL	Not Reported			Liquid		Modules
						Input Rate
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate
Not Reported		Hybrid	14	Redundant Channels		# of Keys
Traveling Wave Tube		Linear/Interface	23	Graceful Degrading		# of Controls
Continuous Tracking		Digital SSI/MSI	26	Degraded Modes		Resolution
Digital		Digital LSI & Memory	5	None		# of Lines
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Characters/Line
Voice		Total IC'S	68	JAN TXV	X	Display Area
Solid State		Tubes	1	JAN TX	X	Display Diagonal
Localize		Discretes	53	JAN Grade		# of Annunciators
Omnidirectional		TOTAL ELEMENTS	122	Commercial Grade		Input Volts

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	397	General Purpose Computer		Automated ON line		Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height
EQUIPMENT TYPE	Indicator/Control	Hardware Controlled		COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power
REPLACEMENT LEVEL	Not Reported			Liquid		Modules
						Input Rate
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Output Rate
Not Reported		Hybrid	10	Redundant Channels		# of Keys
Traveling Wave Tube		Linear/Interface	0	Graceful Degrading		# of Controls
Continuous Tracking		Digital SSI/MSI	0	Degraded Modes		Resolution
Digital		Digital LSI & Memory	0	None		# of Lines
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Characters/Line
Voice		Total IC'S	10	JAN TXV		Display Area
Solid State		Tubes	0	JAN TX	X	Display Diagonal
Localize		Discretes	65	JAN Grade		# of Annunciators
Omnidirectional		TOTAL ELEMENTS	75	Commercial Grade		Input Volts

		IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID	398	General Purpose Computer		Automated ON line	Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line	Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual	Height
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING	Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air X	Power
REPLACEMENT LEVEL	Not Reported			Liquid	Modules
					Sensitivity
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	# of Simultaneous
ECM-EW		Hybrid	52	Redundant Channels	Channels
Radar		Linear/Interface	22	Graceful Degrading	Channel Width
Solid State		Digital SSI/MSI	63	Degraded Modes	Digital Data Rate
Tube		Digital LSI & Memory	0	None	# of Selectable
Variable Frequency		Microprocessor	0	SCREEN CLASS	Frequencies
Voice		Total IC'S	137	JAN TXV	Frequency Band
Solid State		Tubes	10	JAN TX X	
Localize		Discretes	306	JAN Grade	
Omnidirectional		TOTAL ELEMENTS	453	Commercial Grade	

		IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID	399	General Purpose Computer		Automated ON line	Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line	Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual	Height
EQUIPMENT TYPE	Receiver	Hardware Controlled		COOLING	Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air X	Power
REPLACEMENT LEVEL	Not Reported			Liquid	Modules
					Sensitivity
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	# of Simultaneous
ECM-EW		Hybrid	6	Redundant Channels	Channels
Radar		Linear/Interface	2	Graceful Degrading	Channel Width
Solid State		Digital SSI/MSI	8	Degraded Modes	Digital Data Rate
Tube		Digital LSI & Memory	0	None	# of Selectable
Variable Frequency		Microprocessor	0	SCREEN CLASS	Frequencies
Voice		Total IC'S	16	JAN TXV	Frequency Band
Solid State		Tubes	4	JAN TX X	
Localize		Discretes	66	JAN Grade	
Omnidirectional		TOTAL ELEMENTS	86	Commercial Grade	

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	400	General Purpose Computer		Automated ON line		Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power
REPLACEMENT LEVEL	Not Reported			Liquid		Modules
						# of Signals
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band
Passive		Hybrid	0	Redundant Channels		Power Level
Signal		Linear/Interface	0	Graceful Degrading		
Solid State		Digital SSI/MSI	0	Degraded Modes		
Tube		Digital LSI & Memory	0	None		
Variable Frequency		Microprocessor	0	SCREEN CLASS		
Voice		Total IC'S	0	JAN TXV		
Solid State		Tubes	0	JAN TX		
Localize		Discretes	0	JAN Grade		
Omnidirectional		TOTAL ELEMENTS	0	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	401	General Purpose Computer		Automated ON line		Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height
EQUIPMENT TYPE	Interconnect/Distribute	Hardware Controlled		COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power
REPLACEMENT LEVEL	Not Reported			Liquid		Modules
						# of Signals
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Frequency Band
Passive		Hybrid	0	Redundant Channels		Power Level
Signal		Linear/Interface	0	Graceful Degrading		
Solid State		Digital SSI/MSI	0	Degraded Modes		
Tube		Digital LSI & Memory	0	None		
Variable Frequency		Microprocessor	0	SCREEN CLASS		
Voice		Total IC'S	0	JAN TXV		
Solid State		Tubes	0	JAN TX		
Localize		Discretes	0	JAN Grade		
Omnidirectional		TOTAL ELEMENTS	0	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	402	General Purpose Computer		Automated ON line		Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height
EQUIPMENT TYPE	Filter	Hardware Controlled		COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air	X	Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air		Power
REPLACEMENT LEVEL	Not Reported			Liquid		Modules
						Insertion Loss
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Max Attenuation
Band Pass		Hybrid	0	Redundant Channels		Pass Band Width
Passive		Linear/Interface	0	Graceful Degrading		Attenuate Band Width
Signal		Digital SSI/MSI	0	Degraded Modes		Phase Shift
Tube		Digital LSI & Memory	0	None		Time Delay
Variable Frequency		Microprocessor	0	SCREEN CLASS		Frequency Band
Voice		Total IC'S	0	JAN TXV		
Solid State		Tubes	0	JAN TX		
Localize		Discretes	0	JAN Grade		
Omnidirectional		TOTAL ELEMENTS	0	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL		MAJOR PARAMETERS
EQUIPMENT ID	403	General Purpose Computer		Automated ON line		Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line		Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual		Height
EQUIPMENT TYPE	Signal/Data	Hardware Controlled		COOLING		Width
DERATING GUIDELINES	High Reliability	Automated Print Out		Ambient Air		Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	X	Power
REPLACEMENT LEVEL	Not Reported			Liquid		Modules
						Clock Frequency
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE		Word Length
Digital		Hybrid	8	Redundant Channels		Memory Size
Passive		Linear/Interface	42	Graceful Degrading		Interrupt Levels
Signal		Digital SSI/MSI	305	Degraded Modes		Memory I/O Rate
Tube		Digital LSI & Memory	104	None		# of Busses
Variable Frequency		Microprocessor	0	SCREEN CLASS		# of Registers
Voice		Total IC'S	459	JAN TXV	X	# of Accumulators
Solid State		Tubes	0	JAN TX	X	# of Input Ports
Localize		Discretes	105	JAN Grade		# of Output Ports
Omnidirectional		TOTAL ELEMENTS	564	Commercial Grade		

		IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID	405	General Purpose Computer		Automated ON line	Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line	Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual	Height
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING	Width
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	Power
REPLACEMENT LEVEL	Not Reported			Liquid	Modules
					Frequency Band
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	Polarization
Directional		Hybrid	2	Redundant Channels	Gain
Fixed		Linear/Interface	0	Graceful Degrading	Effective Area
Signal		Digital SSI/MSI	0	Degraded Modes	Beam Width
Tube		Digital LSI & Memory	0	None	Azimuth Scan Rate
Variable Frequency		Microprocessor	0	SCREEN CLASS	Elevation Scan Rate
Voice		Total IC'S	2	JAN TXV	Scan Sector Width
Solid State		Tubes	0	JAN TX X	
Localize		Discretes	0	JAN Grade	
Omnidirectional		TOTAL ELEMENTS	2	Commercial Grade	

		IMPLEMENTATION		FAULT CONTROL	MAJOR PARAMETERS
EQUIPMENT ID	406	General Purpose Computer		Automated ON line	Weight
PROGRAM ID		BIT Microprocessor		Automated OFF line	Volume
CATEGORY	Electronic Warfare	Software Controlled		Manual	Height
EQUIPMENT TYPE	Antenna	Hardware Controlled		COOLING	Width
DERATING GUIDELINES	Not Reported	Automated Print Out		Ambient Air	Depth
SELF TEST CAPABILITY	Not Reported	Manual Read Panel		Forced Air	Power
REPLACEMENT LEVEL	Not Reported			Liquid	Modules
					Frequency Band
DESIGN APPROACH/TECHNOLOGY		ACTIVE ELEMENT COUNT		FAULT TOLERANCE	Polarization
Azimuth Scanning		Hybrid	10	Redundant Channels	Gain
Fixed		Linear/Interface	0	Graceful Degrading	Effective Area
Helical		Digital SSI/MSI	0	Degraded Modes	Beam Width
Non Directional		Digital LSI & Memory	0	None	Azimuth Scan Rate
Variable Frequency		Microprocessor	0	SCREEN CLASS	Elevation Scan Rate
Voice		Total IC'S	10	JAN TXV	Scan Sector Width
Solid State		Tubes	0	JAN TX X	
Localize		Discretes	0	JAN Grade	
Omnidirectional		TOTAL ELEMENTS	10	Commercial Grade	

PROGRAM/CONTRACT CHARACTERIZATION DATA

PROGRAM/CONTRACT CHARACTERIZATION DATA

The following section contains detailed listings of both program and contract-related data incorporated in the System RAM Data Base. Types of data comprising each program/contract record include:

- Program ID Number
- Procuring Agency
- Using Command
- Design Year
- Procurement Level
- Application
- Mission Length
- Procurement Type
- Procurement Approach
- Contract Type
- Financial Posture
- Design Review
- Demonstration
- Analysis/Prediction
- Numerics
- Program Elements
- Design Analysis
- Development Tests
- Production Inspection
- Equipment ID Number

Each type of data presented above is described in further detail in the following pages.

The format used in presenting the detailed data for this section provides for two records per page organized by Program Identification Number. The phrase "Not Reported" is used to illustrate data types that are not known at this time. For data types with more than one possible description, an "X" is used to designate correct choices.

USER'S GUIDE

The descriptions supplied below refer to the types of data included in each program/contract record comprising the detailed section.

Program ID Number:

Indicates the reference number assigned to the contract.

Procuring Agency:

Indicates the agency that awarded the contract.

Using Command:

Indicates the command wherein the equipment will be deployed.

Design Year:

Indicates the year the equipment was designed.

Procurement Level:

Lists the appropriate level of the equipment hardware delivered under the contract. The levels considered are:

System
Subsystem
Set
Group
Unit

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Application:

The type of operational application environment. The applications considered are:

Space
Aircraft
Ground
Shipboard
Various

Mission Length:

The normal equipment operational mission length. The mission lengths considered are:

Continuous
> Than 8 Hours: Greater than eight hours
Between 1 & 8 Hours: Between one and eight hours
< Than 1 Hour: Less than one hour

Procurement Type:

Lists the principal type of procurement being made. The types considered are:

Existing Design
Modified Design
New Design
Equipment Maintenance

Procurement Approach:

Indicates the approach used in procuring the equipment. The approaches include:

Low Bidder
Minimum LCC: Minimum Total Life Cycle Cost
Minimum Support
Technical Consideration
Sole Source

Contract Type:

Lists the basic financial structure of the contract. The structures considered are:

Design to Cost
Warranty
Cost Plus Fixed Fee
Cost Plus Incentive: Cost Plus Incentive Fee
Firm Fixed Price
Fixed Price Plus Incentive Fee
Off the Shelf

Financial Posture:

Lists the financial posture for the equipment. The areas considered are:

Incentive Award
Reliability Effort is >5% of Total Budget
Reliability Effort is <5% of Total Budget
Not Determined

Design Reviews:

Lists the frequency and formality of required design reviews. The types considered are:

>=2 Formal: 2 or more formal design review required

1 Formal: One formal design review required

Informal: Informal design review required

No Requirement

Demonstration:

Indicates the demonstration requirements. The requirements considered are:

MIL-STD-781: Formal demonstration test requirements in accordance with MIL-STD-781. Also includes the applicable test plan and level

Not MIL-STD-781: Other demonstration test requirements

No Requirement

Analysis/Prediction:

Indicates the analysis performed. The types of analyses considered are:

MIL-STD-756: Analysis and prediction per MIL-STD-756/Parts Stress Analysis

Not MIL-STD-756: Analysis and prediction based upon documentation other than MIL-STD-756/Parts Count

Informal: Informal analysis and prediction based upon similarity or function. Limited documentation requirements

No Requirement: No analysis or prediction required

Numerics:

Indicates the applicability of the numerics. The levels considered are:

Contractual Rel.: Contractual Reliability
Reliability: Reliability stated as design goal only
No Requirement: No reliability required

Program Elements:

Identifies each required specification, its applicable revision letter, and the extent to which it is specified. The specifications considered are:

MIL-STD-756
MIL-STD-781
MIL-STD-785
MIL-HDBK-217
RADC Notebook: RADC Notebook, Volume II

The applicable compliance codes considered are:

Contract: Full contract compliance required to each and every detail of the document

Limited: Specific deviations from the document are stated and allowed

Guide: Specific compliance is not required; however, actions are to be patterned after the document

Design Analysis:

Indicates all of the applicable types of design analyses specifically required by the contract. The analyses considered are:

FMEA/FMECA
Fault Tree: Fault Tree Analysis
Worst Case: Worst-Case Electrical Design Analysis
Other

Development Tests:

Indicates all of the tests required during the development phase. The tests considered are:

Design Qualification: Design Qualification Test
Env. Qualification: Environmental Qualification Test
Growth Tests: Reliability Growth Tests
Competitive Fly Off

Production Inspection:

Indicates all contractually specified inspection methodologies. The methodologies considered are:

Sampling: Sample Incoming Inspection
100% Acceptance: 100 Percent Acceptance Test
Process Screening: Process Screening
MIL-STD-781 Verify: Reliability Verification Per MIL-STD-781

Equipment ID Numbers:

Indicates the number of each equipment corresponding to this contract.

PROGRAM ID. NUMBER	1	2
PROCURING AGENCY		
USING COMMAND	TAC/SAC	
DESIGN YEAR	69	71
PROCUREMENT LEVEL	System	Set
APPLICATION	Aircraft	Ground
MISSION LENGTH	Between 1 & 8 Hr	Between 1 & 8 Hr
PROCUREMENT TYPE	New Design	New Design
PROCUREMENT APPROACH	Not Reported	Low Bidder
CONTRACT TYPE	Not Reported	Fixed Price
FINANCIAL POSTURE	Not Reported	Incentive Award
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	MIL-STD-781 Plan 3 Level C
ANALYSIS/PREDICTION	MIL-STD-756	Not Reported
NUMERICS	Reliability	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756	Contract	
MIL-STD-781		Contract Rev B
MIL-STD-785		
MIL-HDBK-217	Contract Rev A	
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		X
ENV. QUALIFICATION		
GROWTH TESTS		X
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING	X	
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY	X	
EQUIPMENT ID. NUMBERS	282-289 391-394	229

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	3	4
PROCURING AGENCY	USAF	ELCOM
USING COMMAND	RADC/IS	SCA
DESIGN YEAR		76
PROCUREMENT LEVEL	Set	Unit
APPLICATION	Ground	Ground
MISSION LENGTH	Continuous	Continuous
PROCUREMENT TYPE	Equip Maintenance	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Off The Shelf	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	No Requirement	MIL-STD-781 Plan 8 Level A
ANALYSIS/PREDICTION	No Requirement	MIL-STD-756
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		Contract Rev A
MIL-STD-781		
MIL-STD-785		
MIL-HDBK-217		Limited Rev B
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	303-309	246

PROGRAM ID. NUMBER	5	6
PROCURING AGENCY	ESD	
USING COMMAND		
DESIGN YEAR	73	73
PROCUREMENT LEVEL	System	Set
APPLICATION	Ground	Aircraft
MISSION LENGTH	Continuous	Between 1 & 8 Hr
PROCUREMENT TYPE	New Design	New Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Cost Plus Incentive
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	>=2 Formal	>=2 Formal
DEMONSTRATION	Not Reported	MIL-STD-781 Plan 2 Level F
ANALYSIS/PREDICTION	MIL-STD-756	MIL-STD-756
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781	Contract	Contract Rev B
MIL-STD-785	Contract	Guide Rev A
MIL-HDBK-217		
RADC NOTEBOOK	Contract	Limited
DESIGN ANALYSIS		
FMEA/FMECA		X
FAULT TREE		
WORST CASE		
THERMAL		X
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		X
ENV. QUALIFICATION		X
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	1- 2 4- 24 357	228 234-243 258

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	7	8
PROCURING AGENCY		AFSC
USING COMMAND		MAC
DESIGN YEAR	75	75
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Ground
MISSION LENGTH	Not Reported	Not Reported
PROCUREMENT TYPE	Equip Maintenance	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Warranty	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781	MIL-STD-781
	Plan 3 Level F	Plan 8 Level E
ANALYSIS/PREDICTION	MIL-STD-756	MIL-STD-756
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		Contract Rev A
MIL-STD-781	Contract Rev B	Contract Rev B
MIL-STD-785		
MIL-HDBK-217		Guide Rev B
RADC NOTEBOOK	Contract	Guide
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		X
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	25- 28	231-233 245

PROGRAM ID. NUMBER	9	10
PROCURING AGENCY		RADC
USING COMMAND	ADCOM	
DESIGN YEAR	76	70
PROCUREMENT LEVEL	System	Set
APPLICATION	Ground	Ground
MISSION LENGTH	Continuous	Not Reported
PROCUREMENT TYPE	New Design	New Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	>=2 Formal	>=2 Formal
DEMONSTRATION	Not MIL-STD-781	Not Reported
ANALYSIS/PREDICTION	MIL-STD-756	MIL-STD-756
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756	Contract Rev A	Contract Rev A
MIL-STD-781	Limited Rev B	Contract Rev B
MIL-STD-785	Limited Rev A	
MIL-HDBK-217	Limited Rev B	
RADC NOTEBOOK		Contract
DESIGN ANALYSIS		
FMEA/FMECA	X	
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		X
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE	X	
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	247 249 251-257 259-262 264-266	277

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	11	12
PROCURING AGENCY	RADC	RADC
USING COMMAND		
DESIGN YEAR	71	70
PROCUREMENT LEVEL	Set	Set
APPLICATION	Ground	Ground
MISSION LENGTH	Continuous	> Than 8 Hours
PROCUREMENT TYPE	Not Reported	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	>=2 Formal
DEMONSTRATION	Not Reported	Not Reported
ANALYSIS/PREDICTION	Not Reported	MIL-STD-756
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		Contract Rev A
MIL-STD-781	Contract Rev A	Contract Rev B
MIL-STD-785		
MIL-HDBK-217		Contract Rev B
RADC NOTEBOOK	Guide	
DESIGN ANALYSIS		
FMEA/FMECA	X	
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	29	280

PROGRAM ID. NUMBER	13	14
PROCURING AGENCY	RADC	USAF
USING COMMAND		TAC
DESIGN YEAR	76	70
PROCUREMENT LEVEL	Set	System
APPLICATION	Ground	Aircraft
MISSION LENGTH	Continuous	Not Reported
PROCUREMENT TYPE	Modified Design	New Design
PROCUREMENT APPROACH	Not Reported	Tech. Consideration
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	>=2 Formal	>=2 Formal
DEMONSTRATION	MIL-STD-781 Plan 4 Level A	Not Reported
ANALYSIS/PREDICTION	MIL-STD-756	Informal
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756	Contract	Guide
MIL-STD-781	Contract Rev B	Contract Rev B
MIL-STD-785		Contract
MIL-HDBK-217	Contract Rev B	Guide
RADC NOTEBOOK		Guide
DESIGN ANALYSIS		
FMEA/FMECA		X
FAULT TREE		
WORST CASE		
THERMAL		X
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION	X	X
ENV. QUALIFICATION	X	
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	263	30- 46 84-148 150 216-221 315

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	15	16
PROCURING AGENCY	USAF	USAF
USING COMMAND	TAC	TAC
DESIGN YEAR	72	72
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Not Reported	Not Reported
PROCUREMENT TYPE	Not Reported	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	MIL-STD-781 Plan 3 Level F
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		Limited Rev B
MIL-STD-785		Limited Rev A
MIL-HDBK-217		Limited Rev A
RADC NOTEBOOK		Limited
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		X
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		X
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	62 66 68- 69 71	48 51- 52 54 56 58 60

PROGRAM ID. NUMBER	17	18
PROCURING AGENCY		ASD
USING COMMAND		VARIOUS
DESIGN YEAR	72	72
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Not Reported	Between 1 & 8 Hr
PROCUREMENT TYPE	Not Reported	New Design
PROCUREMENT APPROACH	Not Reported	Minimum LCC
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	MIL-STD-781 Plan 26 Level E
ANALYSIS/PREDICTION	Not Reported	MIL-STD-756
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		Contract Rev B
MIL-STD-785		
MIL-HDBK-217	Guide Rev B	
RADC NOTEBOOK		Contract
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		X
ENV. QUALIFICATION		X
GROWTH TESTS		X
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	290-300	151-154

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	19	20
PROCURING AGENCY	ASD	ASD
USING COMMAND	VARIOUS	VARIOUS
DESIGN YEAR	72	72
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Between 1 & 8 Hr	Between 1 & 8 Hr
PROCUREMENT TYPE	New Design	New Design
PROCUREMENT APPROACH	Minimum LCC	Minimum LCC
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781 Plan 26 Level E	MIL-STD-781 Plan 26 Level E
ANALYSIS/PREDICTION	MIL-STD-756	MIL-STD-756
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781	Contract Rev B	
MIL-STD-785		
MIL-HDBK-217		
RADC NOTEBOOK	Contract	
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION	X	X
ENV. QUALIFICATION	X	X
GROWTH TESTS	X	X
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	159 161 166 168 172	155-158

PROGRAM ID. NUMBER	21	22
PROCURING AGENCY	USAF	ASD
USING COMMAND	TAC	VARIOUS
DESIGN YEAR	73	72
PROCUREMENT LEVEL	System	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Between 1 & 8 Hr	Between 1 & 8 Hr
PROCUREMENT TYPE	New Design	New Design
PROCUREMENT APPROACH	Not Reported	Minimum LCC
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	Not Reported
ANALYSIS/PREDICTION	Not Reported	MIL-STD-756
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		
MIL-STD-785		Contract
MIL-HDBK-217		
RADC NOTEBOOK		Contract
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		X
GROWTH TESTS		X
COMPETITIVE FLY OFF		X
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	222-227	160
	271-276	162-165
	301	167
	340	169-171
	343-345	173-175

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	23	24
PROCURING AGENCY	AFLC	AFLC
USING COMMAND		
DESIGN YEAR	74	74
PROCUREMENT LEVEL	Unit	Unit
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Not Reported	Not Reported
PROCUREMENT TYPE	Not Reported	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781	MIL-STD-781
ANALYSIS/PREDICTION	Plan 29 Level E	Plan 29 Level E
NUMERICS	Not Reported	Not Reported
	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781	Contract Rev B	Contract Rev B
MIL-STD-785		
MIL-HDBK-217		
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY	X	
EQUIPMENT ID. NUMBERS	176-186	187-194

PROGRAM ID. NUMBER	25	26
PROCURING AGENCY	AFLC	AFLC
USING COMMAND		
DESIGN YEAR	76	74
PROCUREMENT LEVEL	Unit	Unit
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Between [illegible] & 8 Hr	Between 1 & 8 Hr
PROCUREMENT TYPE	Not Reported	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781	MIL-STD-781
	Plan 29 Level E	Plan 29 Level E
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781	Contract Rev B	Contract Rev B
MIL-STD-785		
MIL-HDBK-217		
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	195	196

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	27	28
PROCURING AGENCY	USAF	
USING COMMAND	AFSC/ASD	
DESIGN YEAR	76	73
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Ground
MISSION LENGTH	> Than 8 Hours	Continuous
PROCUREMENT TYPE	New Design	Not Reported
PROCUREMENT APPROACH	Tech. Consideration	Not Reported
CONTRACT TYPE	Warranty	Not Reported
FINANCIAL POSTURE	Incentive Award	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	MIL-STD-781 Plan 25 Level A
ANALYSIS/PREDICTION	MIL-STD-756	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		Contract Rev B
MIL-STD-785		
MIL-HDBK-217	Contract Rev B	Contract Rev B
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF	X	
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	269-270 278-279	197-199

PROGRAM ID. NUMBER	29	32
PROCURING AGENCY	FAA	NAVAR
USING COMMAND	ADC	NAVSYSCM
DESIGN YEAR	67	70
PROCUREMENT LEVEL	Set	Unit
APPLICATION	Ground	Aircraft
MISSION LENGTH	Continuous	< Than 1 Hour
PROCUREMENT TYPE	Not Reported	Existing Design
PROCUREMENT APPROACH	Not Reported	Sole Source
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Reliability Effort
DESIGN REVIEW	Not Reported	No Requirement
DEMONSTRATION	MIL-STD-781	MIL-STD-781
	Plan 5 Level	Plan 0 Level
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		Guide
MIL-STD-781		Limited Rev B
MIL-STD-785	Contract	Guide
MIL-HDBK-217		Guide Rev B
RADC NOTEBOOK	Contract	
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	230	268

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	34	35
PROCURING AGENCY	NAVY	NAVY
USING COMMAND	NAVAIR	NAVAIR
DESIGN YEAR	68	68
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Not Reported	Not Reported
PROCUREMENT TYPE	Existing Design	Existing Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781 Plan 0 Level	MIL-STD-781 Plan 0 Level
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781	Contract Rev B	Contract Rev B
MIL-STD-785		
MIL-HDBK-217		
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY	X	
EQUIPMENT ID. NUMBERS	200 202 204 206 208 210	201 203 205 207 209 211

PROGRAM ID. NUMBER	36	37
PROCURING AGENCY	NAVAR	
USING COMMAND	NAVSYSCM	NAVAIR
DESIGN YEAR	70	76
PROCUREMENT LEVEL	Unit	System
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Not Reported	Continuous
PROCUREMENT TYPE	Existing Design	New Design
PROCUREMENT APPROACH	Sole Source	Not Reported
CONTRACT TYPE	Cost Plus Incentive	Not Reported
FINANCIAL POSTURE	Reliability Effort	Not Reported
DESIGN REVIEW	No Requirement	Not Reported
DEMONSTRATION	Not MIL-STD-781	MIL-STD-781 Plan 0 Level
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Not Reported
PROGRAMMING ELEMENTS		
MIL-STD-756	Guide	Guide
MIL-STD-781	Limited Rev B	Guide Rev B
MIL-STD-785	Guide	Guide Rev B
MIL-HDBK-217	Guide Rev B	Guide Rev B
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING	X	
100% ACCEPTANCE	X	
PROCESS SCREENING	X	
MIL-STD-781 VERIFY	X	
EQUIPMENT ID. NUMBERS	281	267 346-351

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	38	39
PROCURING AGENCY	NAVY	NAVY
USING COMMAND	NAVELEX	NAVSEA
DESIGN YEAR	72	72
PROCUREMENT LEVEL	Set	Set
APPLICATION	Various	Shipboard
MISSION LENGTH	Not Reported	Not Reported
PROCUREMENT TYPE	Not Reported	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	MIL-STD-781 Plan 0 Level
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		Contract Rev B
MIL-STD-785		
MIL-HDBK-217	Contract Rev A	
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	302	212-215

PROGRAM ID. NUMBER	40	41
PROCURING AGENCY		
USING COMMAND		
DESIGN YEAR	73	76
PROCUREMENT LEVEL	Set	Set
APPLICATION	Shipboard	Aircraft
MISSION LENGTH	Not Reported	Not Reported
PROCUREMENT TYPE	New Design	Not Reported
PROCUREMENT APPROACH	Tech. Consideration	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	Not Reported
ANALYSIS/PREDICTION	MIL-STD-756	Not Reported
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756	Contract Rev A	
MIL-STD-781		
MIL-STD-785		
MIL-HDBK-217		
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	244	312-314

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	42	43
PROCURING AGENCY		USAF
USING COMMAND		TAC
DESIGN YEAR	70	77
PROCUREMENT LEVEL	System	Unit
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Not Reported	Between 1 & 8 Hr
PROCUREMENT TYPE	Modified Design	New Design
PROCUREMENT APPROACH	Not Reported	Low Bidder
CONTRACT TYPE	Not Reported	Warranty
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	MIL-STD-781
ANALYSIS/PREDICTION	Not Reported	Plan 0 Level
NUMERICS	Not Reported	Informal
		Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		Guide Rev B
MIL-STD-785		
MIL-HDBK-217	Contract Rev B	Guide Rev B
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	337-339	316-326

PROGRAM ID. NUMBER	44	45
PROCURING AGENCY	ASD	AFSC
USING COMMAND	TAC	MAC
DESIGN YEAR	75	75
PROCUREMENT LEVEL	System	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Between 1 & 8 Hr	Not Reported
PROCUREMENT TYPE	New Design	Modified Design
PROCUREMENT APPROACH	Not Reported	Tech. Consideration
CONTRACT TYPE	Not Reported	Warranty
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	1 Formal
DEMONSTRATION	MIL-STD-781 Plan 0 Level	MIL-STD-781 Plan 3 Level E
ANALYSIS/PREDICTION NUMERICS	MIL-STD-756 Contractual Rel.	MIL-STD-756 Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		Contract
MIL-STD-781	Contract Rev B	Contract Rev B
MIL-STD-785		Contract
MIL-HDBK-217	Contract Rev B	Contract Rev B
RADC NOTEBOOK		Guide
DESIGN ANALYSIS		
FMEA/FMECA	X	X
FAULT TREE		
WORST CASE		
THERMAL		X
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION	X	
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	341-342 352-356	327-330

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	46	47
PROCURING AGENCY	0	
USING COMMAND	0	NAVSEA
DESIGN YEAR	80	76
PROCUREMENT LEVEL	Set	Set
APPLICATION	Ground	Shipboard
MISSION LENGTH	Between 1 & 8 Hr	Not Reported
PROCUREMENT TYPE	New Design	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Off The Shelf	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	No Requirement	Not Reported
DEMONSTRATION	No Requirement	MIL-STD-781 Plan 3 Level A
ANALYSIS/PREDICTION	No Requirement	MIL-STD-756
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		Contract Rev B
MIL-STD-785		Contract Rev A
MIL-HDBK-217		Contract Rev B
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		X
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		X
ENV. QUALIFICATION		
GROWTH TESTS		X
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	331-333	334

PROGRAM ID. NUMBER	48	49
PROCURING AGENCY		NAVY
USING COMMAND	NAVSEA	NAVELEX
DESIGN YEAR	76	74
PROCUREMENT LEVEL	Set	Set
APPLICATION	Shipboard	Shipboard
MISSION LENGTH	Not Reported	Continuous
PROCUREMENT TYPE	Modified Design	New Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781 Plan 3 Level A	Not Reported
ANALYSIS/PREDICTION	MIL-STD-756	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756	Contract Rev A	
MIL-STD-781	Contract Rev B	
MIL-STD-785	Contract Rev A	
MIL-HDBK-217	Contract Rev C	Contract Rev B
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA	X	
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION	X	
ENV. QUALIFICATION		
GROWTH TESTS	X	
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	335	336

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	50	51
PROCURING AGENCY		
USING COMMAND		
DESIGN YEAR	73	67
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Between 1 & 8 Hr	Between 1 & 8 Hr
PROCUREMENT TYPE	New Design	Modified Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781	MIL-STD-781
	Plan 26 Level B	Plan 0 Level A
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781	Contract Rev B	Limited Rev A
MIL-STD-785		
MIL-HDBK-217		Limited Rev A
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	378	379

PROGRAM ID. NUMBER	52	53
PROCURING AGENCY		
USING COMMAND		
DESIGN YEAR	75	75
PROCUREMENT LEVEL	Set	Set
APPLICATION	Ground	Aircraft
MISSION LENGTH	> Than 8 Hours	Between 1 & 8 Hr
PROCUREMENT TYPE	Modified Design	Modified Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	Not Reported
ANALYSIS/PREDICTION	Not Reported	Not MIL-STD-756
NUMERICS	Contractual Rel.	Reliability
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		
MIL-STD-785		
MIL-HDBK-217		
RADC NOTEBOOK	Limited	Limited
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	358-377	395-406

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	54	55
PROCURING AGENCY		
USING COMMAND		
DESIGN YEAR	74	79
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH .	Between 1 & 8 Hr	Between 1 & 8 Hr
PROCUREMENT TYPE	New Design	New Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Cost Plus Incentive	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	MIL-STD-781	MIL-STD-781
	Plan 21 Level B	Plan 14 Level C
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781	Limited Rev B	Limited Rev C
MIL-STD-785		
MIL-HDBK-217		
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	390	385

PROGRAM ID. NUMBER	57	58
PROCURING AGENCY		
USING COMMAND		
DESIGN YEAR	79	67
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Not Reported	Between 1 & 8 Hr
PROCUREMENT TYPE	New Design	Not Reported
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	Not Reported
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Contractual Rel.	Reliability
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		
MIL-STD-785		
MIL-HDBK-217	Limited Rev C	
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	380-383	384

EERD-2 EQUIPMENT RELIABILITY

PROGRAM ID. NUMBER	59	60
PROCURING AGENCY		AFSC
USING COMMAND		TAC
DESIGN YEAR	79	75
PROCUREMENT LEVEL	Set	Set
APPLICATION	Aircraft	Aircraft
MISSION LENGTH	Between 1 & 8 Hr	Between 1 & 8 Hr
PROCUREMENT TYPE	Not Reported	New Design
PROCUREMENT APPROACH	Not Reported	Not Reported
CONTRACT TYPE	Not Reported	Not Reported
FINANCIAL POSTURE	Not Reported	Not Reported
DESIGN REVIEW	Not Reported	Not Reported
DEMONSTRATION	Not Reported	MIL-STD-781 Plan 3 Level F
ANALYSIS/PREDICTION	Not Reported	Not Reported
NUMERICS	Not Reported	Contractual Rel.
PROGRAMMING ELEMENTS		
MIL-STD-756		
MIL-STD-781		
MIL-STD-785		
MIL-HDBK-217	Contract Rev B	Contract Rev B
RADC NOTEBOOK		
DESIGN ANALYSIS		
FMEA/FMECA		
FAULT TREE		
WORST CASE		
THERMAL		
OTHER		
DEVELOPMENT TESTS		
DESIGN QUALIFICATION		
ENV. QUALIFICATION		
GROWTH TESTS		
COMPETITIVE FLY OFF		
PRODUCTION INSPECTION		
SAMPLING		
100% ACCEPTANCE		
PROCESS SCREENING		
MIL-STD-781 VERIFY		
EQUIPMENT ID. NUMBERS	386-389	72- 73 75- 83

ADDITIONAL RAC SERVICES

ADDITIONAL RAC SERVICES

Search Services

Retrospective Searches are conducted at a flat fee of $200 per search. If no references are identified, a $50 service charge will be made in lieu of the above. For best results, please call or write for assistance in formulating your search question. An extra charge, based on engineering time and costs, will be made for evaluating, extracting or summarizing information from the cited references.

Consulting Services

Consulting Service fees are determined by the costs incurred in the conduct of the designed work, including staff time and overhead, materials and other expenses. Work will be initiated upon receipt of a signed purchase order. We will be pleased to prepare firm cost proposals.

Full Service Participating Plan

The Plan may be opened in two ways:

- Pre-deposit of a minimum amount of $500 U.S., $575 non-U.S., the maximum to be determined by the requestor
- A purchase order for not less than the above amounts with a "not-to-exceed" amount indicated. IITRI/RAC will bill for services and publications on a quarterly basis.

Services provided to a participating member are:

- Automatic receipt of one (1) copy of each RAC publication issued during the participation period
- Availability of additional copies of each of the above publications (except video tapes) at 20% off list price
- Discount on registration fees for RAC-sponsored training courses, seminars, workshops, etc.

In addition, the participating member may access RAC resources as needed without issuing purchase orders. RAC will maintain the account record of funds expended and furnish an account statement every 6 months or at the customer's request.

Blanket Purchase Order

The Blanket Purchase Order option enables you to write a single Purchase Order for a stipulated maximum dollar amount (depending on your needs) and active time duration (a one-year period is suggested), but you pay only for services rendered or documents purchased.

Military Agencies: Blanket Purchase Agreement, DD Form 1155, may be useful for ordering RAC reports and/or services. Please stipulate maximum dollar amount authorized and cutoff date on your order. Also specify services (e.g., publications, search services, etc.) to be provided. Identify vendor as IIT Research Institute (Reliability Analysis Center).

Ordering Information

Place orders or obtain additional information directly from the Reliability Analysis Center. Clearly specify the publications and services desired. Except for blanket purchase orders, prepayment is required. All foreign orders must be accompanied by a check drawn on a U.S. bank. Please make checks payable to IITRI/RAC.

SERVICE FEE SCHEDULE AND ORDERING INFORMATION
May 1986

			Price Per Copy Domestic	Foreign
Component Reliability Databooks				
( )	MDR-14	Hybrid Circuit Data-1980	$60.00	$70.00*
( )	MDR-15	Digital Evaluation and Generic Failure Analysis Data - Vols. I and II-1980	60.00	70.00**
( )	MDR-18	Memory/LSI Data-1982	60.00	70.00**
( )	MDR-19	Digital SSI/MSI Data-1984	60.00	70.00**
( )	MDR-20	Linear/Interface Data-1984	60.00	70.00**
( )	DSR-3	Transistor/Diode Data-1980	60.00	70.00**
		Complete Set: $310 ($360 non-U.S.)		
	NPRD-3	Nonelectronic Parts Reliability Data-1985		
( )		Printed Copy	80.00	90.00*
( )		Floppy Disk Copy (IBM Compatible)	125.00	135.00*
( )	VZAP-1	Electrostatic Discharge Susceptibility Data-1983	95.00	105.00**
( )	MDR-21	Trend Analysis Databook-1985	95.00	105.00**
( )	MDR-21A	Field Experience Databook-1985	125.00	135.00**
		Set: $200 ($220 non-U.S.)		
Equipment Databooks				
( )	EERD-2	Electronic Equipment Reliability Data-1986	80.00	90.00**
( )	EEMD-1	Electronic Equipment Maintainability Data-1980	60.00	70.00*
Handbooks				
( )	RDH-376	Reliability Design Handbook-1976	36.00	46.00**
( )	MFAT-1	Microelectronics Failure Analysis Techniques Procedural Guide-1981	125.00	135.00***
( )	NPS-1	Analysis Techniques For Mechanical Reliability-1985	56.00	66.00*
State-of-the-Art Reports				
( )	SOAR-1	ESD Protective Materials and Equipment: A Critical Review	36.00	46.00*
( )	SOAR-2	Practical Statistical Analysis for the Reliability Engineer	36.00	46.00*
( )	SOAR-3	IC Quality Grades: Impact on System Reliability and Life Cycle Costs	46.00	56.00*
( )	SOAR-4	Confidence Bounds for System Reliability	46.00	56.00*
( )	SOAR-5	Surface Mount Technology: A Reliability Review	56.00	66.00

***For air mail shipment to points outside North and Central America, add $10.00 per item**
****For air mail shipment to points outside North and Central America, add $15.00 per item**
*****For air mail shipment to points outside North and Central America, add $35.00 per item**

(ORDER FORM AND ADDITIONAL DATABOOKS ON THE FOLLOWING PAGE)

METHODS OF PAYMENT

RAC Full Service Plan

The Full Service Plan option enables you to either predeposit a minimum of $500 U.S. ($575 non-U.S.) or write a single Purchase Order for a stipulated maximum dollar amount (depending on your needs) and active time duration and RAC will bill for services and publications on a quarterly basis.

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