



## List of Reference Technical Documentation

Combat Air Activities (CACTA), 1965-1970, Translation File  
NN3-218-76-023  
Records of the U.S. Joint Chiefs of Staff (Record Group 218)

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\* Best available copy

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Electronic and Special Media Records Services Division (NWME)  
February 1, 2011



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## USER NOTE

RE: Combat Activities File (CACTA), 1965-1970

NARA staff have learned from a researcher that the agency documentation transferred to the National Archives and Records Administration (NARA) for the CACTA files contains inconsistencies and lacks some code tables. For example, the code table CB02S does not correspond to the Launch Unit Identifier (LAUIC) data element as the documentation claims. The researcher also notified us that he figured out that the LAUIC codes actually correspond to squadron data. Furthermore, the same researcher also notified us that the code table for the Sortie Launch Base or Hull Number (LBASE) data element is missing from the documentation.

William P. Fischer, Archives Specialist  
April 3, 2001

**USER NOTE****System and/or File Title:** **Combat Air Activities (CACTA), 1965 - 1970****I. Introduction**

The initial Combat Air Activities (CACTA) file was created in October, 1965 by the Office of the Joint Chiefs of Staff (OJCS), J-3 (Operations) and maintained through December, 1970, to provide information on combat air activities in Southeast Asia. Information in CACTA covers the operations of the United States Air Force, Navy, and Marine Corps and the Vietnamese Air Force. To a lesser extent CACTA also covers Army and Marine Corps helicopter data. It was forwarded to OJCS by the Commander-in-Chief, Pacific (CINCPAC) and by the Commander-in-Chief, Strategic Air Command (CINCSAC) who compiled the forwarded data from daily field squadron debriefing reports.

More than twenty monthly or as-required reports were generated from the CACTA data base and included "SAC Air Mission Summary," "Sorties and Losses by Aircraft Type and Service for Each Route Package," "Total Sortie and Total Tons of Ordnance Expended," and "Combat Losses Over North Vietnam by Sortie Function, Aircraft Type, Service, Route Package and Overall."

Information from CACTA were received by CINCPAC; CINCSAC; OJCS, J-3; National Military Commands System Division; Military Assistance Command Vietnam (MACV); the Office of the Secretary of Defense (OSD), Systems Analyst (OSD/SA); OSD Comptroller (OSD / COMPT); The Defense Intelligence Agency; and the Central Intelligence Agency.

IN late 1970, OJCS replaced CACTA with the Southeast Asia Data Base (SEADAB). SEADAB contains similar information concerning air combat missions in Southeast Asia and has been accessioned by NARA NWME. Also included in NWME's holdings is the Combat Air Summary File (OPREA) which contains information concerning combat and non-combat air missions flown over Southeast Asia between 1962 – 1973.

**II. Related Vietnam War Air Combat Operations Series**

As stated in the paragraph above, OJCS had multiple sets of data files about combat air operations in the Southeast Asia. As of the date of this User Note, NWME has processed and described the following accessions related to combat air operations during the Vietnam War. The accessions are listed in the table below:

Acronym	Series Title	Command	Accession #	ARC ID #
CACTA	Combat Air Activities Files (CACTA)	Joint Chiefs of Staff	NN3-218-76-023	634496
CACTA	Combat Air Activities Files (CACTA)	Pacific Command	NN3-218-92-011	2123846

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NARA's web site is <http://www.nara.gov>

<b>Acronym</b>	<b>Series Title</b>	<b>Command</b>	<b>Accession #</b>	<b>ARC ID #</b>
SEADAB	Records About Air Sorties Flown in Southeast Asia	Joint Chiefs of Staff	NN3-218-76-027	602566
SACCOACT	Strategic Air Command Combat Activities Report (SACCOACT) Files	Joint Chiefs of Staff	NN3-218-76-026	2367339
OPREA	Combat Air Summary Files (OPREA)	Joint Chiefs of Staff	NN3-218-76-025	625084

### **III. National Military Command System Information Processing System (NIPS)**

Overview. The National Military Command System Information Processing System 360 Formatted File System, commonly referred to as NIPS or NIPS 360 FFS, was developed in the 1960's under contract with the International Business Machines Corporation (IBM). It was a data management system which was operational on IBM System / 360 and System / 370 computers. NIPS provided data management support to structure files, generate and maintain files, revise and update files and data, select and retrieve data, and generate reports. NIPS used an IBM generalized file management system known at IBM as the Formatted File System (FFS). Originally implemented on the IBM 1410 computer, NIPS was primarily run on the IBM System 360 and was used for a variety of data related to the Vietnam War. The Combat Air Activities (CACTA) files were transferred to the National Archives and Records Administration (NARA) in the NIPS format. The CACTA files in the NIPS format will be maintained as permanent based upon a decision of the Director, Electronic and Special Media Records Services Division (NWME) on April 2, 2002.

NIPS Format. Each NIPS file is organized into variable-length records, blocked and spanned. Although the bulk of the file is data, the beginning of the file consists of supporting information used during file maintenance, data retrieval, and output processing, such as the security classification record, data file control records, element format (field definitions) records, and file maintenance logic statement records. The sixth character of each logical record (following the four-character logical record length indicator and a system character) in the data file is used as a code indicating the type of information in that record (B = classification record, C = data file control record, F = element format record, L = file maintenance logic statement record, and R = data records).

NIPS Documentation. A single set of the NIPS documentation is located in Stack 530 in the documentation for accession NN3-218-76-025, Combat Air Summary File (OPREA), 1962-73 (AKA Air Operations File). The table below lists the titles of the NIPS documentation.

<b>Title</b>	<b>Date</b>
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume I, Introduction to File Concepts	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume II, File Structuring (FS)	1-Jul-71

<b>Title</b>	<b>Date</b>
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume III, File Maintenance (FM)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume IV, Retrieval and Sort Processor (RASP)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume V, Output Processor (OP)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume VI, Terminal Processing (TP)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume VII, Utility Support (UT)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume VIII, Job Preparation Manual	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume IX, Error Codes	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), Technical Report TR 80-72, NIPS Processing Handbook	1-Feb-73
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), General Description	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume V, Output Processor (OP)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume VI, Terminal Processing (TP)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume VII, Utility Support	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume VIII (Revised) Job Preparation	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume IV, Retrieval & Sort Processor (RASP)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume I, Introduction to File Concepts	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume II, File Structuring (FS)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume III, File Maintenance (FM)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume IX, Error Codes	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Installation of NIPS 360 FFS	1-Sep-78

#### **IV. File Translation Process**

Background. The Machine-Readable Archives Division (NNR) of the National Archives and Records Service (NARS) received the original 32 Combat Air Activities (CACTA) files in the NIPS format. Because the NIPS application was not widely available and IBM's support for

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NIPS was declining, NNR made a decision in the late 1970's that the files should be maintained in a software-independent format. Using the accompanying paper documentation and the File Format Table (FFT) at the beginning of each NIPS data file, an output record layout was created using the NIPS Output Processor (OP). Using the NIPS application, a second set of data files with a new format were created by NNR. This process of creating the files in the new format as an output from the NIPS application was known within NNR (and later NWME) as "de-NIPS-ing" and the resulting data files were known as "de-NIPS'd" files. The "de-NIPS-ing" process deleted all of the file content information at the beginning of each NIPS file and copied only the actual data records into a fixed-length format. The first fixed-length record of each "de-NIPS'd" record contains the control set, the fixed set, and the first occurrence of each of the periodic sets. Additional "de-NIPS'd" records were written for instances where there were multiple occurrences of the periodic sets. The additional records did not contain the data from the control set or fixed set. The records are linked by the control set which contains one or more fields which as a set are unique for each record. A total of 29 "de-NIPS'd" files were created using the NIPS application. The table below lists the "de-NIPS'd" CACTA files created by NNR listing the XMIS number and sorted by the file / dataset name. The XMIS number is a unique number assigned to each file.

<b>"De-NIPS" Files</b>	
<b>XMIS #</b>	<b>File Name</b>
010652	RG218.CACTA.E6601
010651	RG218.CACTA.E6603
003618	RG218.CACTA.E6605
003619	RG218.CACTA.E6607
003641	RG218.CACTA.E6609
003620	RG218.CACTA.E6611
003642	RG218.CACTA.E6701
003621	RG218.CACTA.E6703
003623	RG218.CACTA.E6707
003624	RG218.CACTA.E6709
003625	RG218.CACTA.E6712
003626	RG218.CACTA.E6801
003627	RG218.CACTA.E6803
003628	RG218.CACTA.E6805
003643	RG218.CACTA.E6806
003644	RG218.CACTA.E6807
003629	RG218.CACTA.E6809
003630	RG218.CACTA.E6811
003631	RG218.CACTA.E6901
003632	RG218.CACTA.E6905
003633	RG218.CACTA.E6907
003634	RG218.CACTA.E6909
003645	RG218.CACTA.E6910
003635	RG218.CACTA.E7001
003636	RG218.CACTA.E7003
003637	RG218.CACTA.E7005
003638	RG218.CACTA.E7007
003639	RG218.CACTA.E7009

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“De-NIPS” Files	
XMIS #	File Name
003640	RG218.CACTA.E7011

Vietnam NIPS Files Translation Project. Two issues were addressed starting in 2002. The first issue was that a number of the NIPS files in different series had not been “de-NIPS’d” in the late 1970’s. The second issue involved the “de-NIPS’d” files containing additional records with the multiple occurrences of the periodic sets. Any re-ordering of the sequence of the records in that file caused those records without control and fixed set data to lose their linkage or relationship to the first record containing the control and fixed set data. A decision was made by NWME to create a second set of files for selected series with a fixed-length format similar to the “de-NIPS’d” files. Because the NIPS application was no longer available, translation programs would be written using a programming language that would create a file with a fixed length format from the original NIPS file.

File Identification. The CACTA NIPS files were identified using the Archival Preservation System (APS) catalog database. A search query was formulated to provide all catalog records for data files in Record Group 218. CACTA is assigned to Record Group 218. The output report provided information for Record Group 218 that included the following: short title, file name, and accession number. This information is derived from data found in 5 fields in the File Master table in the APS catalog database. The short title is the field “stitle” in the File Master table. The file name is the field “fid” in the File Master table. The accession number is a combination of 3 fields “rgnum,” “accyear,” and “accitem” in the File Master table. The accession number for CACTA, 1965 – 1970 is NN3-218-76-023. The CACTA NIPS files had the following data in the previously described fields: an accession number of 218-1976-023, the alphabetic character string of “CACTA” and “NIPS” in the short title, and the alphabetic character string of “CACTA.N” in the file name. Additionally each file has a unique number in the APS catalog database known as an XMIS number which is the field “fxno” in the File Master table. The following is a list of the 32 CACTA NIPS files identified from the APS catalog.

XMIS #	Accession Number	Short Title	File Name
003587	218-1976-023	CACTA_660102_NIPS	RG218.CACTA.N6601
003588	218-1976-023	CACTA_660304_NIPS	RG218.CACTA.N6603
003589	218-1976-023	CACTA_660506_NIPS	RG218.CACTA.N6605
003590	218-1976-023	CACTA_660708_NIPS	RG218.CACTA.N6607
003591	218-1976-023	CACTA_660910_NIPS	RG218.CACTA.N6609
003592	218-1976-023	CACTA_661112_NIPS	RG218.CACTA.N6611
003593	218-1976-023	CACTA_670102_NIPS	RG218.CACTA.N6701
003594	218-1976-023	CACTA_670304_NIPS	RG218.CACTA.N6703
003595	218-1976-023	CACTA_670506_NIPS	RG218.CACTA.N6705
003596	218-1976-023	CACTA_670708_NIPS	RG218.CACTA.N6707
003597	218-1976-023	CACTA_670910_NIPS	RG218.CACTA.N6709
003598	218-1976-023	CACTA_6712_NIPS	RG218.CACTA.N6712
003599	218-1976-023	CACTA_680102_NIPS	RG218.CACTA.N6801
003600	218-1976-023	CACTA_680304_NIPS	RG218.CACTA.N6803
003601	218-1976-023	CACTA_6805_NIPS	RG218.CACTA.N6805

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<b>XMIS #</b>	<b>Accession Number</b>	<b>Short Title</b>	<b>File Name</b>
003602	218-1976-023	CACTA_6806_NIPS	RG218.CACTA.N6806
003603	218-1976-023	CACTA_680708_NIPS	RG218.CACTA.N6807
003604	218-1976-023	CACTA_680910_NIPS	RG218.CACTA.N6809
003605	218-1976-023	CACTA_681112_NIPS	RG218.CACTA.N6811
003607	218-1976-023	CACTA_690304_NIPS	RG218.CACTA.N6903
003608	218-1976-023	CACTA_690506_NIPS	RG218.CACTA.N6905
003609	218-1976-023	CACTA_690708_NIPS	RG218.CACTA.N6907
003610	218-1976-023	CACTA_690910_NIPS	RG218.CACTA.N6909
003611	218-1976-023	CACTA_700102_NIPS	RG218.CACTA.N7001
003612	218-1976-023	CACTA_700304_NIPS	RG218.CACTA.N7003
003613	218-1976-023	CACTA_700506_NIPS	RG218.CACTA.N7005
003614	218-1976-023	CACTA_700708_NIPS	RG218.CACTA.N7007
003615	218-1976-023	CACTA_700910_NIPS	RG218.CACTA.N7009
003616	218-1976-023	CACTA_701112_NIPS	RG218.CACTA.N7011
012136	218-1976-023	CACTA_690102_NIPS	RG218.CACTA.N6901
012137	218-1976-023	CACTA_691012_NIPS	RG218.CACTA.N6910
012732	218-1976-023	CACTA_651011_NIPS	RG218.CACTA.N6510

Reference Request. A copy of the 32 CACTA NIPS files were requested on compact disk (CD) with a specification that the records be padded to the longest record length. The CACTA NIPS files had been preservation copied as spanned records with a logical record size of 1000 and a block size of 7004 on 3480 magnetic tape cartridges. The character set was Extended Binary Coded Decimal Interchange Code (EBCDIC).

The following is the process used to copy the CACTA NIPS files.

1. The files were tape mapped to determine the longest record length which was determined to be either 304 or 604 record positions.
2. The APS (version 5.17.8.3) smart copy function was used to re-block and copy the files onto the reference workstation's hard drive. The workstation had Microsoft Windows 2000 as an operating system.
3. The record format for the input had to be changed from S (spanned) to D (variable) because APS is unable to copy a spanned file to an unlabeled output (in this case, random access memory). The character set and file identifiers remained the same. The files were copied as fixed blocks, padded to the longest record length (F\304\304\1 or F\604\604\1), without delimiters.
4. APS is unable to compare a variable blocked file (input) to a file copied onto random access memory or hard drive (output) and for that reason the files were not compared.
5. The files were then copied from the work station hard drive to recordable compact disks (CDRs) using Adaptec CD Easy CD Creator (version 4).
6. Using APS again, directories of the CDRs were printed and the first file on each CDR was dumped.

Translation Programs. The NIPS files were converted into the new fixed length format by using nine programs written in Common Business-Oriented Language (COBOL). The COBOL programs were created using MERTANT Micro Focus Personal COBOL for Windows 3.1 V 1.1 (PCS). The program CACTA-01 (Folder 4, Main Program Text File) is

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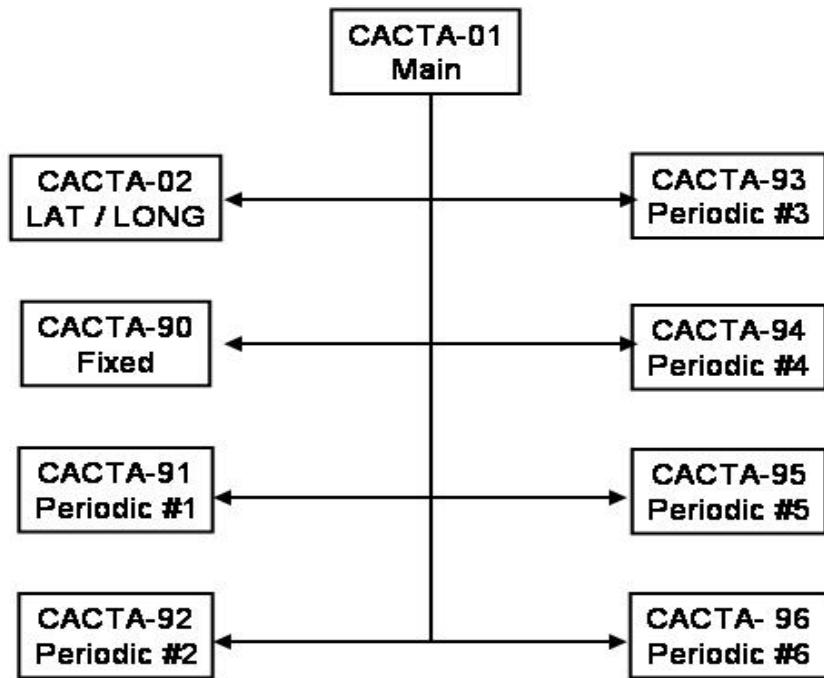
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the main program and it calls the other eight programs (See the schematic diagram below). CACTA-02 (Folder 5, Latitude Longitude Conversion Program Test File) is the sub-program that translates the six Latitude/Longitude fields. CACTA-90 (Folder 6, ASCII Conversion Sub-Program Text File) is the sub-program that translates the EBCDIC characters in the fixed set into Extended ASCII characters. CACTA-91 (Folder 7, Periodic Set 1 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #1 into Extended ASCII characters. CACTA-92 (Folder 8, Periodic Set 2 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #2 into Extended ASCII characters. CACTA-93 (Folder 9, Periodic Set 3 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #3 into Extended ASCII characters. CACTA-94 (Folder 10, Periodic Set 4 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #4 into Extended ASCII characters. CACTA-95 (Folder 11, Periodic Set 5 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #5 into Extended ASCII characters. CACTA-96 (Folder 12, Periodic Set 6 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #6 into Extended ASCII characters.

Schematic.

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### Record Format.

Because each NIPS 360 FFS system contained records of various sizes, the files all used variable length records in variable length blocks. This was a standard IBM method used to write records on magnetic tape files when not all the records were the same size. In CACTA, there were seven different record types (one fixed type and six periodic types) and each record type had its own distinct length.

In NIPS, as in all FFS systems, the meta-data was written onto the magnetic tape. The meta-data contained information about the names of the fields, their size, their location, etc. The CACTA files had either one of two different record layouts depending on the date the file was created. When the files were converted all were given the same record layout.

The terminology used in this file management system is somewhat unique. Data is organized into "Data Records" each of which contains one "Fixed Set" followed by none or more "Periodic Sets". There are six different types of Periodic Sets in CACTA. To illustrate this, here are four hypothetical Data Records:

Data Record 1 = Fixed Set A + Periodic Set #2 A + Periodic Set #5 A1 + Periodic Set #5 A2  
 Data Record 2 = Fixed Set B  
 Data Record 3 = Fixed Set C + Periodic Set #1 C1 + Periodic Set #1 C2  
 Data Record 4 = Fixed Set D + Periodic Set #1 D + Periodic Set #3 D + Periodic Set #6 D

If the four hypothetical Data Records shown above were the complete NIPS file, then that NIPS file would contain twelve records. The first Data Record (A) would have four records, the second Data Record (B) would have only one record, the third Data Record (C) would have three records, and the fourth Data Record (D) would have four records.

For the translated files, each record has a fixed length of 527 record positions. Each record includes the record positions for the fixed set and each of the 6 periodic sets. The data for the fixed set is always present within each translated record and specific fields within the fixed set serve as the unique identifier for each record. The first instances of each period set are found in the translated record. Additional instances of the periodic set data are written to additional records but with the same fixed set data as the first instance. Using the hypothetical NIPS file shown above, the twelve NIPS records would become six translated records. The new arrangement would be:

Fixed Set A + Periodic Set #2 A + Periodic Set #5 A1  
Fixed Set A + Periodic Set#5 A2  
Fixed Set B  
Fixed Set C + Periodic Set #1 C1  
Fixed Set C + Periodic Set #1 C2  
Fixed Set D + Periodic Set #1 D + Periodic Set #3 D + Periodic Set#6 D

#### Original Data Editing and Verification.

During the Vietnam conflict subject matter specialists transcribed the CACTA data onto keypunch coding sheets. Then keypunch operators used these coding sheets to produce the CACTA punch cards. The computer used the punch cards, together with the FFS programs to create the CACTA files for NIPS.

In examining the information currently on the CACTA files, it appears that editing and verification of the CACTA data was somewhat lax when these file were originally created. The contents of some fields on some files are obviously incorrect, for example a latitude/longitude of 1700N10810E1900 or an aircraft carrier with a plus zero in the middle of its name. These types of errors, created in the original records, have been maintained in the converted files.

#### Geographic Coordinates.

The CORDA, CORDB, CORDC, CORDD, ACORD, and ECORD fields presented a special problem. These were latitude/longitude fields, each one of which was coded into a 64-bit double word, also known as 8-bytes or two full binary words. The layout of each of these fields is as shown below.

aabbffff bbcccccc cccccccc cccccccc deffffff ffgggggg gggggggg gggggggg

**aa** – Two zero bits, unused.

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**bbbbbbbb** – An 8-bit unsigned binary number indicating the degrees of latitude measured from the south pole. If the binary number is greater than ninety, then ninety is subtracted from the binary number and the remainder is the latitude in the Northern Hemisphere. If the binary number is less than ninety, then binary number is subtracted from ninety and the remainder is the latitude in the Southern Hemisphere. If the binary number is equal to ninety, then latitude is zero (the equator).

**cccccccccccccccccccccc** – This is a 22-bit binary number, coded in powers-of-a-half notation, that represents the minutes and seconds of the latitude as a fraction of a degree.

**d** – This is the longitude hemisphere flag.

**e** – One zero bit.

**fffffff** – The longitude measured in degrees from 0 degrees (Greenwich). This is represented as an 8-bit unsigned binary number.

**ggggggggggggggggggggg** – This is a 22-bit binary number, coded in powers-of-a-half notation, that represents the minutes and seconds of the longitude as a fraction of a degree.

Latitude/Longitude on the converted files is shown as **ddtttxDDDTTTX**, in which:

**dd** is the 2-digit Latitude

**ttt** is the thousands of a degree representing the minutes and seconds of Latitude

**x** equals either North or South

**DDD** is the 3-digit Longitude

**TTT** is the thousands of a degree representing the minutes and seconds of Longitude

**X** equals either East or West.

A latitude of 49500N would mean 49 and one half degree North. The 49 is the degrees of Latitude and the 500 is really decimal point 500 or 50% and that, as a percentage of a degree, is 30 minutes, no seconds.

A Longitude of 103250N would mean 103 and one quarter degree North. The 103 is the degrees of Longitude and the 250 is really decimal point 250 or 25% and that, as a percentage of a degree, is 15 minutes, no seconds.

In order to find the minutes and second, use the following mathematics. Take the three digit number and multiple it by 0.001 and then multiply that answer by 60. The sum may consist of both a whole number and a fraction. The whole number is the minutes. Take the fraction, multiply it by 60, and that is the seconds.

For example, if the three digit number is 125 that would become 0.125 when 0.001 is multiplied by it. When that is multiplied by 60 (the number of minutes in a degree), the number would be 7.5 minutes, or seven minutes. When the 0.5 is multiplied by 60 (the number of seconds in a minute), the number would be 30 seconds. Therefore, 125 equals 7 minutes and 30 seconds.

### Periodic Set #3 File Layouts.

In the CACTA files under NIPS, there were two different file layouts for Periodic Set #3. In one layout, there was a full binary word (four bytes) in which was held a ten-digit number identified as LQUAN (or Load Quantity). In the other layout, there were three separate fields: DQUAN (or Quantity Delivered), JQUAN (or Quantity Jettisoned), and RQUAN (or Quantity Returned). DQUAN was held as a four-byte packed decimal field, JQUAN was held as a three-byte packed decimal field, and RQUAN was held as a three-byte packed decimal field.

In the layout in which there was one 10-digit number, that number would often show that it represented three separate fields. If for example, the number were 0012003001, the CACTA subject matter specialists would know that the Quantity Delivered was 12, that the Quantity Jettisoned was 3, and that the Quantity Returned was 1. In the converted file, there is only one layout. The data in columns 352 through 361 can be viewed as either one 10-digit number or as one 4-digit number plus two 3-digit numbers.

Non-Graphic Characters. Each non-graphic character, found in the CACTA files under NIPS, was changed to the caret (^) graphic character in the converted files.

NIPS File		Translated File	
Hexadecimal	EBCDIC	Hexadecimal	ASCII
00	Null	5E	Caret (^)
37	End of Transmission	5E	Caret (^)
C0	Opening Brace ( { )	5E	Caret (^)
D0	Closing Brace ( } )	5E	Caret (^)

ASCII Conversion. Some changes were made to the translated files. The original CACTA NIPS files were coded in the 8-bit Extended Binary Coded Decimal Interchange Code

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(EBCDIC) and the translated files are all coded in the 8-bit American National Standard Code for Information Interchange – Extended (Extended ASCII). The contents of the binary fields in the NIPS files were changed to ASCII numbers in the translated files.

Test File Translation. An initial test CACTA NIPS file was used to check and refine the translation programs. The file RG218.CACTA.N6603 (XMIS # 3588) was used as the test file because this file has been successfully “de-NIPS’d” and had been loaded on the Access to Archival Databases (AAD) website.

File Translation Production. A total of 32 CACTA NIPS files were translated and copied to CDRs. The table below lists the original CACTA NIPS files (with their respective XMIS numbers and number of records per file) and the resulting translated file (with their respective XMIS number and number records).

NIPS Files			Translation Files		
XMIS #	File Name	# of Records	XMIS #	File Name	# of Records
12732	RG218.CACTA.N6510	172,159	081966	CACTA.TR.6510	109,092
3587	RG218.CACTA.N6601	98,886	081967	CACTA.TR.6601	49,796
3588	RG218.CACTA.N6603	149,092	081968	CACTA.TR.6603	67,370
3589	RG218.CACTA.N6605	139,220	081969	CACTA.TR.6605	60,725
3590	RG218.CACTA.N6607	193,408	081970	CACTA.TR.6607	84,457
3591	RG218.CACTA.N6609	155,387	081971	CACTA.TR.6609	79,772
3592	RG218.CACTA.N6611	170,615	081972	CACTA.TR.6611	81,773
3593	RG218.CACTA.N6701	164,150	081973	CACTA.TR.6701	76,248
3594	RG218.CACTA.N6703	237,181	081974	CACTA.TR.6703	106,996
3595	RG218.CACTA.N6705	286,780	081975	CACTA.TR.6705	116,661
3596	RG218.CACTA.N6707	294,305	081976	CACTA.TR.6707	115,499
3597	RG218.CACTA.N6709	268,940	081977	CACTA.TR.6709	106,367
3598	RG218.CACTA.N6712	141,158	081978	CACTA.TR.6712	58,453
3599	RG218.CACTA.N6801	309,741	081979	CACTA.TR.6801	130,822
3600	RG218.CACTA.N6803	301,896	081980	CACTA.TR.6803	127,336
3601	RG218.CACTA.N6805	185,939	081981	CACTA.TR.6805	79,194
3602	RG218.CACTA.N6806	175,674	081982	CACTA.TR.6806	74,734
3603	RG218.CACTA.N6807	140,758	081983	CACTA.TR.6807	60,100
3604	RG218.CACTA.N6809	341,618	081984	CACTA.TR.6809	142,248
3605	RG218.CACTA.N6811	257,863	081985	CACTA.TR.6811	110,821
12136	RG218.CACTA.N6901	270,457	081986	CACTA.TR.6901	116,626
3607	RG218.CACTA.N6903	147,512	081987	CACTA.TR.6903	62,817
3608	RG218.CACTA.N6905	273,516	081988	CACTA.TR.6905	114,802
3609	RG218.CACTA.N6907	272,872	081989	CACTA.TR.6907	62,169
3610	RG218.CACTA.N6909	217,424	081990	CACTA.TR.6909	95,772
12137	RG218.CACTA.N6910	238,505	081991	CACTA.TR.6910	104,110
3611	RG218.CACTA.N7001	241,830	081992	CACTA.TR.7001	106,437
3612	RG218.CACTA.N7003	213,937	081993	CACTA.TR.7003	94,793
3613	RG218.CACTA.N7005	189,271	081994	CACTA.TR.7005	84,644
3614	RG218.CACTA.N7007	149,473	081995	CACTA.TR.7007	67,799
3615	RG218.CACTA.N7009	106,703	081996	CACTA.TR.7009	47,681
3616	RG218.CACTA.N7011	97,479	081997	CACTA.TR.7011	41,862

Initial Verification. The translated files were verified on the Archival Electronic Records Inspection and Control (AERIC) system before being submitted for preservation copying. After the initial verification, the currently established NWME procedures were used to preservation copy and verify the 32 CACTA translated files. The 32 CACTA NIPS files were not verified in AERIC because of the file structure previously described.

## **V. Agency Documentation**

Acidic Paper. The paper of the agency documentation for the Preliminary File Description, 10 Jul 70 was determined to be slightly acidic by NWTD. A copy of the documentation was made on non-acidic paper and is filed immediately before the original agency documentation.

Record Layouts. There are two NARA created record layouts for the Combat Air Activities (CACTA) files. These layouts were created from the information found in the original agency documentation. As described in the Period Set #3 File Layouts above, the difference in the record layouts is the 10 record positions from Record Positions 344 – 353. In one record layout the 10 record positions are for a single column. In the other record layout the 10 record positions are divided into three columns of four, three, and three record positions respectively. The single column layout (Folder 2, Translation File Record Layout, January 1966 – December 1969) in Record Positions 344 – 353 was used during the January 1966 – December 1969 timeframe and has been preservation copied as a text file with the file name of CACTA.TR.LAY.6669. The single column name in CACTA.TR.LAY.6669 is LQUAN with a title / description of Load Quantity. The three column layout (Folder 3, Translation File Record Layout, October – November 1965 and January – December 1970) in Record Positions 344 – 353 was used during the October – November 1965 and January 1970 – December 1970 time frames and has been preservation copied as a text file with the file name of CACTA.TR.LAY.6570. The three column names in CACTA.TR.LAY.6570 are DQUAN, JQUAN, and RQUAN respectively. DQUAN has a title / description of Delivered Quantity, has 4 Record Positions and is located in Record Positions 344 – 347. JQUAN has a title / description of Jettisoned Quantity, has 3 record positions, and is located in Record Positions 348 – 350. RQUAN has a title / description of Returned Quantity, has 3 record positions, and is located in Record Positions 351-353. The table below depicts the appropriate record layout for each translated data file.

Translated Data File Name	Record Layout CACTA.TR.LAY.6669 LQUAN	Record Layout CACTA.TR.LAY.6570 DQUAN, JQUAN, RQUAN
CACTA.TR.6510		X
CACTA.TR.6601	X	
CACTA.TR.6603	X	
CACTA.TR.6605	X	
CACTA.TR.6607	X	
CACTA.TR.6609	X	

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Translated Data File Name	Record Layout CACTA.TR.LAY.6669 LQUAN	Record Layout CACTA.TR.LAY.6570 DQUAN, JQUAN, RQUAN
CACTA.TR.6611	X	
CACTA.TR.6701	X	
CACTA.TR.6703	X	
CACTA.TR.6705	X	
CACTA.TR.6707	X	
CACTA.TR.6709	X	
CACTA.TR.6712	X	
CACTA.TR.6801	X	
CACTA.TR.6803	X	
CACTA.TR.6805	X	
CACTA.TR.6806	X	
CACTA.TR.6807	X	
CACTA.TR.6809	X	
CACTA.TR.6811	X	
CACTA.TR.6901	X	
CACTA.TR.6903	X	
CACTA.TR.6905	X	
CACTA.TR.6907	X	
CACTA.TR.6909	X	
CACTA.TR.6910	X	
CACTA.TR.7001		X
CACTA.TR.7003		X
CACTA.TR.7005		X
CACTA.TR.7007		X
CACTA.TR.7009		X
CACTA.TR.7011		X

Table CB33S, Missle Attack Codes. The codes for the data element MIATK, Missle Attack Data, are referenced to be Table CB33S, which would be expected to be between Tables CB32S (page 76) and CB34S (page 78). Table CB33S (page 77) is missing from the agency documentation.

## VI. Date Ranges of Records in the Series

Summary. The dates of the records in the Combat Air Activities (CACTA), 1965 – 1970 range from October 1, 1965 – December 31, 1970. There are several gaps of dates within the data. Within the records there is a single instance of a date overlap between files and a single instance in which leap day, February 29, is listed in a year which is not a leap year. The following are the date ranges of the records in the translated files listed in chronological order by file name:

File Name	Start Date	End Date
CACTA.TR.6510	October 1, 1965	November 30, 1965
CACTA.TR.6601	January 1, 1966	February 28, 1966
CACTA.TR.6603	March 1, 1966	April 30, 1966

<b>File Name</b>	<b>Start Date</b>	<b>End Date</b>
CACTA.TR.6605	May 1, 1966	June 30, 1966
CACTA.TR.6607	July 1, 1966	August 31, 1966
CACTA.TR.6609	September 1, 1966	October 31, 1966
CACTA.TR.6611	November 1, 1966	December 31, 1966
CACTA.TR.6701	January 1, 1967	February 19, 1967
CACTA.TR.6703	March 1, 1967	April 30, 1967
CACTA.TR.6705	May 1, 1967	June 30, 1967
CACTA.TR.6707	July 1, 1967	August 31, 1967
CACTA.TR.6709	September 1, 1967	October 31, 1967
CACTA.TR.6712	December 1, 1967	December 31, 1967
CACTA.TR.6801	January 1, 1968	February 29, 1968
CACTA.TR.6803	March 1, 1968	April 24, 1968
CACTA.TR.6805	May 1, 1968	May 31, 1968
CACTA.TR.6806	June 1, 1968	June 30, 1968
CACTA.TR.6807	July 1, 1968	July 26, 1968
CACTA.TR.6809	September 1, 1968	October 31, 1968
CACTA.TR.6811	November 1, 1968	December 31, 1968
CACTA.TR.6901	January 1, 1969	February 28, 1969
CACTA.TR.6903	March 1, 1969	April 24, 1969
CACTA.TR.6905	May 1, 1969	June 30, 1969
CACTA.TR.6907	July 1, 1969	August 5, 1969
CACTA.TR.6909	September 1, 1969	October 31, 1969
CACTA.TR.6910	October 30, 1969	December 31, 1969
CACTA.TR.7001	January 1, 1970	February 29, 1970
CACTA.TR.7003	March 1, 1970	April 30, 1970
CACTA.TR.7005	May 1, 1970	June 30, 1970
CACTA.TR.7007	July 1, 1970	August 31, 1970
CACTA.TR.7009	September 1, 1970	October 31, 1970
CACTA.TR.7011	November 1, 1970	December 31, 1970

Date Gaps / Ranges Not Present in the Files. From the documentation in the work files, files for the time periods December, 1965 and November, 1967 were not transferred by the agency. Additionally there are 5 instances in which files do not contain records with dates at the end of the second month of the file. There is a single instance in which a file does not contain records with dates in the middle of a month. The following are the gaps in dates listed in chronological order:

<b>Gap Start Date</b>	<b>Gap End Date</b>
December 1, 1965	December 31, 1965
February 20, 1967	February 28, 1967
November 1, 1967	November 30, 1967
April 25, 1968	April 30, 1968
July 27, 1968	August 31, 1968
March 4, 1969	March 25, 1969
April 25, 1969	April 30, 1969
August 6, 1969	August 31, 1969

Date Overlaps. There is a single instance of the overlap of dates between files, in which both have records containing the last two days of October, 1969. The following are the two files with the date overlap:

File Name	Start Date	End Date
CACTA.TR.6909	September 1, 1969	October 31, 1969
CACTA.TR.6910	October 30, 1969	December 31, 1969

Erroneous Leap Days. There is a single instance of a file containing records for leap day, February 29, in which that is not a leap year. The following is the file containing records with the date of February 29 in a non-leap year:

File Name	Records in a Non-Leap Year
CACTA.TR.7001	February 29, 1970

## VII. AERIC Verification.

The CACTA Translation File, CACTA.TR.6712 (XMIS # 081978), was preservation copied onto two 3480 magnetic tape cartridges (Master Volume Identification Numbers: 022189 and 022891). The Archival Electronic Records Inspection and Control (AERIC) System was unable to copy the two segments of the file as a single file for verification and the two segments of the file were verified separately. A review of the sum of the byte sizes and numbers of records of the two segments was equal to the complete file's byte size and record count.

## VIII. Data and Documentation.

Minor discrepancies between the data and documentation were discovered during the data verification process. The discrepancies are characters within the data that were not within the expected values listed in the documentation. The explanations of the differences are listed by Data Field Name and are described below.

### Combat Air Activities (CACTA) Translation File, October 1 – November 30, 1965 (CACTA.TR.6510)

Cloud Cover (Target Weather). The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TCOVS for data element CLCOV in Record Position 233. A small number of records contain the values of 0, E, G, N, P, R, and V that are not listed in the agency documentation.

Comments: The Preliminary File Description, July 1970, states that the data element COMNT in Record Positions 474 – 526 is a narrative field which may or may not contain "...comments or amplification of information submitted relative to

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each mission." Some records contain data such as recurring strings of characters such as .<L.<L.<L.<L.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F4, and F8 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the value of 5S that is not listed in the agency documentation.

Period of Day. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB15S for data element TODAY in Record Position 105. A small number of records contain the value of 0 that is not listed in the agency documentation.

Province Code. The Preliminary File Description, July 1970, lists the expected numeric values in Table PROVS for data element PROVC in Record Positions 117 - 118. A small number of records contain the values of 4, 5, and VN that are not listed in the agency documentation.

Sortie Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element SFUNC in Record Positions 22 – 23. A small number of records contain the values of 3K and 3U that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of 3S and FT that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the values of 0, D, F, H, O, and R that are not listed in the agency documentation.

Target Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTRY in Record Positions 114 - 115. A small number of records contain the values of V, 00, 01, 33, 44, NV, and RT that are not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 1, 6, 9, B, D, E, H, L, N, and P that are not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, January 1 – February 28, 1966 (CACTA.TR.6601)

Cloud Cover (Target Weather). The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TCOVS for data element CLCOV in

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Record Position 233. A small number of records contain the values of 0, 2, B, D, E, G, H, N, P, Q, R, and V that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, and F8 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the values of 1, 2F, 3F, 3S, 5S, 6, and 6B that are not listed in the agency documentation.

Period of Day. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB15S for data element TODAY in Record Position 105. A small number of records contain the values of 0, 1, 3, 4, 5, 8, 9, C, H, O, P, R, and W that are not listed in the agency documentation.

Province Code. The Preliminary File Description, July 1970, lists the expected numeric values in Table PROVS for data element PROVC in Record Positions 117 - 118. A small number of records contain the values of 1, 3, 6, 2F, and LA that are not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 0 that is not listed in the agency documentation.

Sortie Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element SFUNC in Record Positions 22 – 23. A small number of records contain the values of 3 and 3S that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of 2J, 3, 7, and FT that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the values of 0, 1, 9, D, F, O, and R that are not listed in the agency documentation.

Target Corps Area / Route Area Package. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB38S for data element RTCOR in Record Position 116. A small number of records contain the values of I and U that are not listed in the agency documentation.

Target Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTRY in Record Positions 114 - 115. A small number of records contain the values of V, 12, BS, and V5 that are not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record

Position 226. A small number of records contain the values of 0, 2, 9, A, B, D, E, G, H, L, N, and P that are not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, March 1 – April 30, 1966 (CACTA.TR.6603)

Cloud Cover (Target Weather). The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TCOVS for data element CLCOV in Record Position 233. A small number of records contain the values of 0, 3, 6, E, G, H, N, P, and V that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the values of 1, 1M, 3B, and 6B that are not listed in the agency documentation.

Period of Day. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB15S for data element TODAY in Record Position 105. A small number of records contain the values of 0, 7, 9, B, C, O, Q, and R that are not listed in the agency documentation.

Province Code. The Preliminary File Description, July 1970, lists the expected numeric values in Table PROVS for data element PROVC in Record Positions 117 - 118. A small number of records contain the values of 0 - 9 that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of 7 and FT that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the values of an ampersand ( & ), dash ( - ), 0, 7, D, F, and O that are not listed in the agency documentation.

Target Corps Area / Route Area Package. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB38S for data element RTCOR in Record Position 116. A small number of records contain the values of U and V that are not listed in the agency documentation.

Target Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTRY in Record Positions 114 - 115. A small number of records contain the values of L, V, and SL that are not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 0, 3, 4, 7, 9, A, B, D, E, H, L, N, and O that are not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, May 1 – June 30, 1966 (CACTA.TR.6605)

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Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, and F6 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the values of 1, 2, and 4 that are not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 0 that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of 8A and FT that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of O that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, July 1 – August 31, 1966  
(CACTA.TR.6607)

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of 00, 01, 02, 03, 05, 07, 24, F1, F3, F4, and F6 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the values of 3 and 4 that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of 6\* that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, September 1 – October 31, 1966  
(CACTA.TR.6609)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A number of records contain the value of R that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, F6, and F8 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the values of 2D and 3R that are not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A number of records contain the values of 0, 3 – 9, P, and S that are not listed in the agency documentation.

Province Code. The Preliminary File Description, July 1970, lists the expected numeric values in Table PROVS for data element PROVC in Record Positions 117 - 118. A small number of records contain the values of 1, 3, 9, and P that are not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A number of records contain the value of 6 that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A single record contains the value of I that is not listed in the agency documentation.

Sortie Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element SFUNC in Record Positions 22 – 23. A small number of records contain the values of 1B, 1S, 1T, 2N, 2O, and 4N that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of O that is not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 0 – 9 and N that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, November 1 – December 31, 1966  
(CACTA.TR.6611)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, F6, and F8 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the value of 2 that is not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A number of records contain the values of 0 and 3 – 9 that are not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 6 that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J and O that are not listed in the agency documentation.

Sortie Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element SFUNC in Record Positions 22 – 23. A small number of records contain the values of 1T that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 0 – 9 and N that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, January 1 – February 19, 1967  
(CACTA.TR.6701)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, F6, and F8 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the value of 4F that is not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A number of records contain the values of 0 and 3 – 9 that are not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A number of records contain the value of 6 that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contains the values of E and J that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 0 - 9 and N that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, March 1 – April 30, 1967  
(CACTA.TR.6703)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, F6, F8, and F9 that are not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the values of 5, 6, 3F, and 5H that are not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A number of records contain the values of 0 and 3 – 9 that are not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 6 that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of E, H, J, and O that are not listed in the agency documentation.

Sortie Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element SFUNC in Record Positions 22 – 23. A small number of records contain the values of 1, 2I, 2O, 3F, 5J, and 6L that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the values of J and O that are not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 0 – 9 and N that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, May 1 – June 30, 1967 (CACTA.TR.6705)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, 5, and R that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A large number of records contain the values of 00, 01 – 11, 13, 15, 17, 19, 20, 38, F1, F3, F4, F5, F6, and F8 that are not listed in the agency documentation that are not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A number of records contain the values of 0 and 3 – 9 that are not listed in the agency documentation.

Reporting Commander-in-Chief. The Preliminary File Description, July 1970, does not list the expected values for data element RCINC in Record Position 253. A large number of records contain a machine character that has been replaced in the translation file with a caret (^).

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 6 that is not listed in the agency documentation.

- Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of B, J, and O that are not listed in the agency documentation.
- Sortie Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element SFUNC in Record Positions 22 – 23. A small number of records contain the values of 1, 1U, and 2 that are not listed in the agency documentation.
- Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.
- Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 0 – 9 and N that are not listed in the agency documentation.
- Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, July 1 – August 31, 1967  
(CACTA.TR.6707)

- ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, and R that are not listed in the agency documentation.
- Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A single record contains the value of RE that is not listed in the agency documentation.
- Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of 00, 01, 02, 03, 05, 06, 07, 09, 10, 11, 15, 20, 22, 40, 60, 90, 96, F1, F3, F4, F6, and F9 that are not listed in the agency documentation.
- Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A large number of records contain the values of 0 and 3 – 9 that are not listed in the agency documentation.
- Reporting Commander-in-Chief. The Preliminary File Description, July 1970, does not list the expected values for data element RCINC in Record Position 253. A large number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of E, F, I, J, and O that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A large number of records contain the values of 0 – 9 and N that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, September 1 – October 31, 1967  
(CACTA.TR.6709)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, and R that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A large number of records contain the values of 00, 01 – 07, 10, 11, 12, 15, 19, 20, 22, 30, 40, 50, 60, 80, F1, F3, F4, F5, F6, F8, and G0 that are not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A large number of records contain the values of 0 and 3 – 9 that are not listed in the agency documentation.

Reporting Commander-in-Chief. The Preliminary File Description, July 1970, does not list the expected values for data element RCINC in Record Position 253. A large number of records contain a machine character that has been replaced in the translation file with a caret (^).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of I, J, and O that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

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Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A large number of records contain the values of 0 – 9 and N that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, December 1 – 31, 1967 (CACTA.TR.6712)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation..

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A single record contains the value of I that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, F5, F6, and F8 that are not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A number of records contain the values of 0 and 3 – 9 that are not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of O that is not listed in the agency documentation.

Target Terrain Type. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table TERRS for data element TERRA in Record Position 226. A small number of records contain the values of 0 – 9 and N that are not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, January 1 – February 29, 1968  
(CACTA.TR.6801)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, and R that are not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A small number of records contain the value of I that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A large number of records contain the values of 00, 01, 02, 03, 07, and G0 that are not listed in the agency documentation.

Reporting Commander-in-Chief. The Preliminary File Description, July 1970, does not list the expected values for data element RCINC in Record Position 253. A large number of records contain a machine character that has been replaced in the translation file with a caret (^).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the value of J that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, March 1– April 24, 1968 (CACTA.TR.6803)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A large number of records contain a machine character that has been replaced in the translation file with a caret (^).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record

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Positions 471 - 472. A large number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of G0 and O6 that are not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of I and J that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, May 1 – 31, 1968 (CACTA.TR.6805)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of 0, 1, and R that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A large number of records contain the values of 00, 01, 02, 03, 04, 05, 07, 10, 15, 19, 20, 38, 40, 60, and G0 that are not listed in the agency documentation.

Reporting Commander-in-Chief. The Preliminary File Description, July 1970, does not list the expected values for data element RCINC in Record Position 253. A large number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of I and J that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, June 1 – 30, 1968 (CACTA.TR.6806)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A large number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A large number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of I and J that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, July 1 – 26, 1968 (CACTA.TR.6807)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the value of O that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, September 1 – October 31, 1968 (CACTA.TR.6809)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, and R that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record

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Positions 358 - 359. A number of records contain the values of 00, 01, 02, 03, 04, 06, 07, 08, 10, 19, 30, 40, 60, 70, 80, 90, and EB that are not listed in the agency documentation.

Reporting Commander-in-Chief. The Preliminary File Description, July 1970, does not list the expected values for data element RCINC in Record Position 253. A large number of records contain a machine character that has been replaced in the translation file with a caret (^).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the value of J that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A large number of records contain the values of I and O that are not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, November 1 – December 31, 1968  
(CACTA.TR.6811)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the value of J that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of O that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, January 1 – February 28, 1969  
(CACTA.TR.6901)

Aircraft Incident Type. The Preliminary File Description, July 1970, lists the expected alphabetic values of A, B, and L for data element ATYPE in Record Position 410. A single record contains the value of O that is not listed in the agency documentation.

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions

70 – 71. A small number of records contain the values of 00 and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Electronic Warfare Sortie Effectiveness. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB13S for data element RECEF in Record Position 107. A small number of records contain the value of I that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of F1, F3, F4, and F8 that are not listed in the agency documentation.

Primary / Secondary Target. The Preliminary File Description, July 1970, lists the expected numeric values for data element PRSEC in Record Position 225. A number of records contain the values of 0, 3 – 9, P, and S that are not listed in the agency documentation.

Province Code. The Preliminary File Description, July 1970, lists the expected numeric values in Table PROVS for data element PROVC in Record Positions 117 - 118. A small number of records contain the value of IO that is not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 0 that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A small number of records contain the value of O that is not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A number of records contain the value of N that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, March 1 – April 24, 1969 (CACTA.TR.6903)

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A number of records contain the values of RK and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

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Province Code. The Preliminary File Description, July 1970, lists the expected numeric values in Table PROVS for data element PROVC in Record Positions 117 - 118. A small number of records contain the values of /K, /L, IO, and U9 that are not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the value of J that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A small number of records contain the value of O that is not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the values of F and N that are not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, May 1 – June 30, 1969 (CACTA.TR.6905)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, and R that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of 00, 01, 02, 03, 04, 05, 06, 07, 10, 13, 40, and 50 that are not listed in the agency documentation.

Reporting Commander-in-Chief. The Preliminary File Description, July 1970, does not list the expected values for data element RCINC in Record Position 253. A large number of records contain a machine character that has been replaced in the translation file with a caret (^).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A small number of records contain the value of O that is not listed in the agency documentation.

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Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, July 1 – August 5, 1969 (CACTA.TR.6907)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Province Code. The Preliminary File Description, July 1970, lists the expected numeric values in Table PROVS for data element PROVC in Record Positions 117 - 118. A small number of records contain the value of O that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J and O that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the value of TR that is not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A small number of records contain the value of O that is not listed in the agency documentation.

Target Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTRY in Record Positions 114 - 115. A small number of records contain the values of V that is not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, September 1 – October 31, 1969  
(CACTA.TR.6909)

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A number of records contain the values of NV, SV, and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A large number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A large number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A single record contains the value of G0 that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A small number of records contain the value of O that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of FT and TR that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A small number of records contain the value of O that is not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, October 30 – December 31, 1969  
(CACTA.TR.6910)

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A number of records contain the values of 52, RK, and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A single record contains the value of G0 that is not listed in the agency documentation.

Mission Primary Function. The Preliminary File Description, July 1970, lists the expected numeric values in Table CB03S for data element MFUNC in Record Positions 20 – 21. A small number of records contain the value of JB that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J and O that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of FR, FT, and TR that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of O that is not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, January 1 – February 29, 1970  
(CACTA.TR.7001)

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A number of records contain the values of 00 , RK, and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A small number of records contain a machine character that has been replaced in the translation file with a caret ( ^ ).

Incident Country. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CTRYS for data element CNTCD in Record Positions 471 - 472. A number of records contain two machine characters that have been replaced in the translation file with two carets ( ^^ ).

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A single record contains the value of G0 that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J and O that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of FR and TR that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of O that is not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, March 1 – April 30, 1970 (CACTA.TR.7003)

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in

Record Position 35. A large number of records contain the value of J that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A small number of records contain the values of FR, FT, and TR that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the value of R that is not listed in the agency documentation.

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A small number of records contain the values of N, T&, and TW that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A number of records contain the value of O that is not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A single record contains the value of G0 that is not listed in the agency documentation.

#### Combat Air Activities (CACTA) Translation File, May 1 – June 30, 1970 (CACTA.TR.7005)

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A number of records contain the values of RK and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, 2, 4, 5, 7, K, N, and R that are not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A small number of records contain the values of V and W that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of 0, 09, 0C, 16, 17, 30, 44, 5E, 8C, G0, O1, and O3 that are not listed in the agency documentation. A small number of records contain two machine characters that have been replaced in the translation file with two carets ( ^ ).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in

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Record Position 35. A large number of records contain the values of J and O that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of BU, FR, GP, KL, SL, TC, and TR that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A small number of records contain the value of O that is not listed in the agency documentation.

Target Corps Area / Route Area Package. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB38S for data element RTCOR in Record Position 116. A number of records contain the values of V and W that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, July 1 – August 31, 1970  
(CACTA.TR.7007)

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A number of records contain the values of RK and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 1, 4, 5, C, H, K, N, and R that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A small number of records contain the values of 0, 00, 0C, 14, 16, 17, and 6E that are not listed in the agency documentation. A small number of records contain two machine characters that have been replaced in the translation file with two carets (^).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the values of J and O that are not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A large number of records contain the values of BU, FR, GP, KL, SL, TC, and TR that are not listed in the agency documentation.

Target Control. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB18S for data element CONTL in Record Position 106. A small number of records contain the value of O that is not listed in the agency documentation.

Target Corps Area / Route Area Package. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB38S for data element RTCOR in Record Position 116. A number of records contain the values of V and W that are not listed in the agency documentation.

Type of Sortie Identifier. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element STYPE in Record Position 110. A small number of records contain the value of N that is not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, September 1 – October 31, 1970  
(CACTA.TR.7009)

Country of Origin. The Preliminary File Description, July 1970, lists the expected numeric values in Table CTRYS for data element CNTOR in Record Positions 70 – 71. A small number of records contain the values of RK and TW that are not listed in the agency documentation.

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A number of records contain the values of 0, 1, 4, 6, C, H, K, N, and R that are not listed in the agency documentation.

Incident (Route Package). The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB38S for data element RPTKG in Record Position 473. A number of records contain the values of S and Y that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of 00, 0E, 17, 44, 73, and G0 that are not listed in the agency documentation. A small number of records contain a machine character that has been replaced in the translation file with a caret (^).

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 0 that is not listed in the agency documentation.

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the value of J that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in

Record Positions 112 - 113. A number of records contain the values of BU, GP, KL, SL, and TR that are not listed in the agency documentation.

Target Corps Area / Route Area Package. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB38S for data element RTCOR in Record Position 116. A number of records contain the values of V and W that are not listed in the agency documentation.

Combat Air Activities (CACTA) Translation File, November 1 – December 31, 1970  
(CACTA.TR.7011)

ECM / Ordnance Load Type. The Preliminary File Description, July 1970, lists the expected alphabetic values for data element LCDID in Record Position 335. A large number of records contain the values of 0, 4, C, K, and R that are not listed in the agency documentation.

Load Class. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table LCASS for data element LCLAS in Record Positions 358 - 359. A number of records contain the values of 00 and 44 that are not listed in the agency documentation. A small number of records contain two machine characters that have been replaced in the translation file with two carets ( ^ ).

Service Supported Designator. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB34S for data element SRVCE in Record Position 35. A large number of records contain the value of J that is not listed in the agency documentation.

Target / Objective Type Code. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB06S for data element TGOBJ in Record Positions 112 - 113. A number of records contain the values of BU, FR, FT, GP, KL, PR, SL, and TL that are not listed in the agency documentation.

Target Corps Area / Route Area Package. The Preliminary File Description, July 1970, lists the expected alphabetic values in Table CB38S for data element RTCOR in Record Position 116. A number of records contain the values of V and W that are not listed in the agency documentation.

Results Reporting Source. The Preliminary File Description, July 1970, lists the expected alphanumeric values in Table CB10S for data element RSRCE in Record Position 380. A small number of records contain the value of 0 that is not listed in the agency documentation.

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SET	COLUMN NAME	TITLE / DESCRIPTION	DATA TYPE	START POSITION	END POSITION	WIDTH	COMMENTS
Control	MSNDT	MISSION DATE	VARCHAR2	1	6	6	See Table MONTs
Control	MSNID	MISSION IDENTIFIER	VARCHAR2	7	11	5	See Agency Documentation
Control	TGTID	TARGET SEQUENCE IDENTIFIER	VARCHAR2	12	12	1	See Agency Documentation
Control	SRTID	SORTIE SEQUENCE ID	VARCHAR2	13	13	1	See Agency Documentation
Control	LAUIC	LAUNCH UNIT IDENTIFIER	VARCHAR2	14	19	6	See Table CB02S
Fixed	MFUNC	MISSION PRIMARY FUNCTION	VARCHAR2	20	21	2	See Table CB03S
Fixed	SFUNC	SORTIE FUNCTION	VARCHAR2	22	23	2	See Table CB03S
Fixed	SECUR	SECURITY CLASSIFICATION	VARCHAR2	24	24	1	See Agency Documentation
Fixed	CCODE	CORRECTION CODE IDENTIFIER	VARCHAR2	25	25	1	See Agency Documentation
Fixed	MSNNR	MISSION ABBREVIATION NUMBER	VARCHAR2	26	34	9	See Table CB35S
Fixed	SRVCE	SERVICE SUPPORTED DESIGNATOR	VARCHAR2	35	35	1	See Table CB34S
Fixed	SCHED	MISSION ORIGINALLY SCHEDULED	VARCHAR2	36	40	5	See Agency Documentation
Fixed	NICKN	MISSION NICKNAME	VARCHAR2	41	54	14	See Agency Documentation
Fixed	OPSUP	OPERATION SUPPORTED	VARCHAR2	55	69	15	See Agency Documentation
Fixed	CNTOR	COUNTRY OF ORIGIN	VARCHAR2	70	71	2	See Table CTRYS
Fixed	LBASE	SORTIE LAUNCH BASE OR HULL NO	VARCHAR2	72	81	10	See Agency Documentation
Fixed	ACRFT	TYPE/MODEL/SERIES AIRCRAFT	VARCHAR2	82	89	8	See Agency Documentation
Fixed	SNRAC	NUMBER OF SORTIE AIRCRAFT	VARCHAR2	90	92	3	See Agency Documentation
Fixed	FLYHR	SORTIE FLYING HOURS	VARCHAR2	93	96	4	See Agency Documentation
Fixed	TIMOT	TARGET TIME	VARCHAR2	97	104	8	See Agency Documentation
Fixed	TODAY	PERIOD OF DAY	VARCHAR2	105	105	1	See Table CB15S
Fixed	CONTL	TARGET CONTROL	VARCHAR2	106	106	1	See Table CB18S
Fixed	RECEF	ELECTRONIC WARFARE SORTIE EFFECTIVENESS	VARCHAR2	107	107	1	See Table CB13S
Fixed	REFUL	REFUEL INDICATOR	VARCHAR2	108	109	2	See Agency Documentation
Fixed	STYPE	TYPE OF SORTIE IDENTIFIER	VARCHAR2	110	110	1	See Agency Documentation
Fixed	MTIND	MULTI-TARGET/FUNCTION DESIGNATOR	VARCHAR2	111	111	1	See Agency Documentation
Fixed	TGOBJ	TARGET/OBJECTIVE TYPE CODE	VARCHAR2	112	113	2	See Table CB06S
Fixed	CNTRY	TARGET COUNTRY	VARCHAR2	114	115	2	See Table CTRYS
Fixed	RTCOR	TARGET CORPS AREA/ROUTE AREA PACKAGE	VARCHAR2	116	116	1	See Table CB38S
Fixed	PROVC	PROVINCE CODE	VARCHAR2	117	118	2	See Table PROVS
Fixed	PTSEG	POINT/SEGMENT/AREA TARGET	VARCHAR2	119	119	1	See Agency Documentation
Fixed	TYPCO	TYPE OF COORDINATES REPORTED	VARCHAR2	120	120	1	See Agency Documentation
Fixed	POSTA	TARGET LOCATION COORDINATES (BEGIN)	VARCHAR2	121	135	15	See Agency Documentation
Fixed	CORDA	POSTA FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	136	148	13	See Agency Documentation
Fixed	POSTB	RECONNAISSANCE TERM/TURN POSITION	VARCHAR2	149	163	15	See Agency Documentation
Fixed	CORDB	POSTB FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	164	176	13	See Agency Documentation
Fixed	POSTC	RECONNAISSANCE TERM/TURN POSITION	VARCHAR2	177	187	11	See Agency Documentation
Fixed	CORDC	POSTC FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	188	200	13	See Agency Documentation

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SET	COLUMN NAME	TITLE / DESCRIPTION	DATA TYPE	START POSITION	END POSITION	WIDTH	COMMENTS
Fixed	POSTD	RECONNAISSANCE TARGET NAME/DESCRIPTION	VARCHAR2	201	211	11	See Agency Documentation
Fixed	CORDD	POSTD FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	212	224	13	See Agency Documentation
Fixed	PRSEC	PRIMARY/SECONDARY TARGET	VARCHAR2	225	225	1	See Agency Documentation
Fixed	TERRA	TARGET TERRAIN TYPE	VARCHAR2	226	226	1	See Table TERRS
Fixed	WEATH	TARGET WEATHER	VARCHAR2	227	232	6	See Agency Documentation & Table s TOBSS & CB27S
Fixed	CLCOV	CLOUD COVER (TARGET WEATHER)	VARCHAR2	233	233	1	See Table TCOVS
Fixed	RECID	RECORD ID	VARCHAR2	234	234	1	See Agency Documentation
Fixed	DEKNR	DECK NUMBER	VARCHAR2	235	237	3	See Agency Documentation
Fixed	CREAT	CREATION DATE	VARCHAR2	238	243	6	See Agency Documentation
Fixed	CDATE	CHANGE DATE	VARCHAR2	244	249	6	See Agency Documentation
Fixed	JCSNR	DECK NUMBER FORWARDED TO JCS	VARCHAR2	250	252	3	See Agency Documentation
Fixed	RCINC	REPORTING COMMANDER-IN-CHIEF	VARCHAR2	253	253	1	See Agency Documentation
1	ECDNR	DEFENSE CARD NUMBER	VARCHAR2	254	254	1	See Agency Documentation
1	EPOST	ENROUTE DEFENSE COORDINATES	VARCHAR2	255	265	11	See Agency Documentation
1	ECORD	EPOST IN DEGREES AND THOUSANDTHS	VARCHAR2	266	278	13	See Agency Documentation
1	ALTUD	MISSION ALTITUDES	VARCHAR2	279	283	5	See Agency Documentation
1	EDATA	ENEMY DEFENSE DATA	VARCHAR2	284	298	15	See Agency Documentation & Tables CB19S, CB20S, CB21S, CB28S, CB31S, CB32S
2	BCDNR	RELATED DEFENSE CARD NUMBER	VARCHAR2	299	299	1	See Agency Documentation
2	BNRAC	NUMBER OF TACTICAL UNIT AIRCRAFT	VARCHAR2	300	300	1	See Agency Documentation
2	GRPFN	TACTICAL UNIT/GROUP FORMATION	VARCHAR2	301	306	6	See Agency Layout & Table CB01S
2	MIATK	MISSILE ATTACK DATA	VARCHAR2	307	310	4	See Agency Layout & Table CB33S
2	POSMI	MISSILE POSITION	VARCHAR2	311	321	11	See Agency Documentation
2	POSAA	MISSILE LAUNCH AIRCRAFT POSITION	VARCHAR2	322	327	6	See Agency Documentation
2	MANTI	MISSILE ATTACK TIME	VARCHAR2	328	333	6	See Agency Documentation
2	VICTR	VISUAL MISSILE CONTROL	VARCHAR2	334	334	1	See Agency Documentation
3	LCDID	ECM/ORDNANCE LOAD TYPE	VARCHAR2	335	335	1	See Agency Documentation
3	LCDNR	LOAD CARD NUMBER	VARCHAR2	336	336	1	See Agency Documentation
3	LTYPE	ORDNANCE LOAD/GUN TYPE AND ECM EQUIPMENT	VARCHAR2	337	343	7	See Agency Documentation & Tables CB05S & CB30S
3	DQUAN	DELIVERED QUANTITY	VARCHAR2	344	347	4	See Agency Documentation
3	JQUAN	JETTISONED QUANTITY	VARCHAR2	348	350	3	See Agency Documentation
3	RQUAN	RETURNED QUANTITY	VARCHAR2	351	353	3	See Agency Documentation
3	LWGHT	LOAD WEIGHT	VARCHAR2	354	357	4	See Agency Documentation
3	LCLAS	LOAD CLASS	VARCHAR2	358	359	2	See Tables LCASS & Subroutine LDTNS
3	LTONS	LOAD TONNAGE	VARCHAR2	360	368	9	See Subroutine DLTNS

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SET	COLUMN NAME	TITLE / DESCRIPTION	DATA TYPE	START POSITION	END POSITION	WIDTH	COMMENTS
3	LDECM	ECM LOAD FREQUENCIES	VARCHAR2	369	378	10	See Agency Documentation & Tables CB04S & CB40S
4	RCDID	RESULTS CARD TYPE	VARCHAR2	379	379	1	See Agency Documentation
4	RSRCE	RESULTS REPORTING SOURCE	VARCHAR2	380	380	1	See Table CB10S
4	RDATA	ECM/ORDNANCE DATA	VARCHAR2	381	405	25	See Agency Documentation & Tables CB06S, CB11S, CB12S, CB22S, CB23S
4	NRELM	ORD-NUMBER OF ELEMENTS AFFECTED	VARCHAR2	406	407	2	See Agency Documentation
4	RCDNR	RESULTS CARD NUMBER	VARCHAR2	408	408	1	See Agency Documentation
5	ACDNR	AIR INCIDENT CARD SEQUENCE NUMBER	VARCHAR2	409	409	1	See Agency Documentation
5	ATYPE	AIRCRAFT INCIDENT TYPE	VARCHAR2	410	410	1	See Agency Documentation
5	SRTEF	OBJECTIVE ACCOMPLISHED/FORCE AFFECTED	VARCHAR2	411	412	2	See Agency Documentation
5	ALDAD	AIRCRAFT LOST	VARCHAR2	413	416	4	See Agency Documentation & Tables CB08S, CB25S, CB26S
5	SVTIM	AIRCRAFT SURVIVAL TIME	VARCHAR2	417	417	1	See Table CB09S
5	AENAC	ENEMY AIRCRAFT TYPE (TMS)	VARCHAR2	418	423	6	See Agency Documentation
5	ANRAC	NUMBER OF AIRCRAFT AFFECTED	VARCHAR2	424	425	2	See Agency Documentation
5	APOST	INCIDENT POSITION DATA (APOST)	VARCHAR2	426	436	11	See Agency Documentation
5	ACORD	APOST IN DEGREES AND THOUSANDTHS	VARCHAR2	437	449	13	See Agency Documentation
5	ALTSP	INCIDENT ALTITUDE AND SPEED DATA	VARCHAR2	450	451	2	See Agency Documentation
5	CRWST	CREW STATUS	VARCHAR2	452	455	4	See Agency Documentation
5	ATIME	INCIDENT TIME	VARCHAR2	456	461	6	See Agency Documentation
5	TACTI	MISSION STAGING TIME	VARCHAR2	462	464	3	See Agency Documentation & Tables CB07S & CB11S
5	SERNR	AFFECTED AIRCRAFT SERIAL NUMBER	VARCHAR2	465	470	6	See Agency Documentation
5	CNTCD	INCIDENT COUNTRY	VARCHAR2	471	472	2	See Agency Documentation
5	RPTKG	INCIDENT (ROUTE PACKAGE)	VARCHAR2	473	473	1	See Agency Documentation
6	COMNT	COMMENTS	VARCHAR2	474	526	53	See Agency Documentation
6	CCDNR	COMMENTS CARD NUMBER	VARCHAR2	527	527	1	See Agency Documentation

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SET	COLUMN NAME	TITLE / DESCRIPTION	DATA TYPE	START POSITION	END POSITION	WIDTH	COMMENTS
Control	MSNDT	MISSION DATE	VARCHAR2	1	6	6	See Table MONTs
Control	MSNID	MISSION IDENTIFIER	VARCHAR2	7	11	5	See Agency Documentation
Control	TGTID	TARGET SEQUENCE IDENTIFIER	VARCHAR2	12	12	1	See Agency Documentation
Control	SRTID	SORTIE SEQUENCE ID	VARCHAR2	13	13	1	See Agency Documentation
Control	LAUIC	LAUNCH UNIT IDENTIFIER	VARCHAR2	14	19	6	See Table CB02S
Fixed	MFUNC	MISSION PRIMARY FUNCTION	VARCHAR2	20	21	2	See Table CB03S
Fixed	SFUNC	SORTIE FUNCTION	VARCHAR2	22	23	2	See Table CB03S
Fixed	SECUR	SECURITY CLASSIFICATION	VARCHAR2	24	24	1	See Agency Documentation
Fixed	CCODE	CORRECTION CODE IDENTIFIER	VARCHAR2	25	25	1	See Agency Documentation
Fixed	MSNRR	MISSION ABBREVIATION NUMBER	VARCHAR2	26	34	9	See Table CB35S
Fixed	SRVCE	SERVICE SUPPORTED DESIGNATOR	VARCHAR2	35	35	1	See Table CB34S
Fixed	SCHED	MISSION ORIGINALLY SCHEDULED	VARCHAR2	36	40	5	See Agency Documentation
Fixed	NICKN	MISSION NICKNAME	VARCHAR2	41	54	14	See Agency Documentation
Fixed	OPSUP	OPERATION SUPPORTED	VARCHAR2	55	69	15	See Agency Documentation
Fixed	CNTOR	COUNTRY OF ORIGIN	VARCHAR2	70	71	2	See Table CTRYS
Fixed	LBASE	SORTIE LAUNCH BASE OR HULL NO	VARCHAR2	72	81	10	See Agency Documentation
Fixed	ACRFT	TYPE/MODEL/SERIES AIRCRAFT	VARCHAR2	82	89	8	See Agency Documentation
Fixed	SNRAC	NUMBER OF SORTIE AIRCRAFT	VARCHAR2	90	92	3	See Agency Documentation
Fixed	FLYHR	SORTIE FLYING HOURS	VARCHAR2	93	96	4	See Agency Documentation
Fixed	TIMOT	TARGET TIME	VARCHAR2	97	104	8	See Agency Documentation
Fixed	TODAY	PERIOD OF DAY	VARCHAR2	105	105	1	See Table CB15S
Fixed	CONTL	TARGET CONTROL	VARCHAR2	106	106	1	See Table CB18S
Fixed	RECEF	ELECTRONIC WARFARE SORTIE EFFECTIVENESS	VARCHAR2	107	107	1	See Table CB13S
Fixed	REFUL	REFUEL INDICATOR	VARCHAR2	108	109	2	See Agency Documentation
Fixed	STYPE	TYPE OF SORTIE IDENTIFIER	VARCHAR2	110	110	1	See Agency Documentation
Fixed	MTIND	MULTI-TARGET/FUNCTION DESIGNATOR	VARCHAR2	111	111	1	See Agency Documentation
Fixed	TGOBJ	TARGET/OBJECTIVE TYPE CODE	VARCHAR2	112	113	2	See Table CB06S
Fixed	CNTRY	TARGET COUNTRY	VARCHAR2	114	115	2	See Table CTRYS
Fixed	RTCOR	TARGET CORPS AREA/ROUTE AREA PACKAGE	VARCHAR2	116	116	1	See Table CB38S
Fixed	PROVC	PROVINCE CODE	VARCHAR2	117	118	2	See Table PROVS
Fixed	PTSEG	POINT SEGMENT/AREA TARGET	VARCHAR2	119	119	1	See Agency Documentation
Fixed	TYPCO	TYPE OF COORDINATES REPORTED	VARCHAR2	120	120	1	See Agency Documentation
Fixed	POSTA	TARGET LOCATION COORDINATES (BEGIN)	VARCHAR2	121	135	15	See Agency Documentation
Fixed	CORDA	POSTA FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	136	148	13	See Agency Documentation
Fixed	POSTB	RECONNAISSANCE TERM/TURN POSITION	VARCHAR2	149	163	15	See Agency Documentation
Fixed	CORDB	POSTB FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	164	176	13	See Agency Documentation
Fixed	POSTC	RECONNAISSANCE TERM/TURN POSITION	VARCHAR2	177	187	11	See Agency Documentation

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SET	COLUMN NAME	TITLE / DESCRIPTION	DATA TYPE	START POSITION	END POSITION	WIDTH	COMMENTS
Fixed	CORDC	POSTC FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	188	200	13	See Agency Documentation
Fixed	POSTD	RECONNAISSANCE TARGET NAME/DESCRIPTION, CR AREA DEFINED POSITION (END)	VARCHAR2	201	211	11	See Agency Documentation
Fixed	CORDD	POSTD FIELD IN DEGREES AND THOUSANDTHS	VARCHAR2	212	224	13	See Agency Documentation
Fixed	PRSEC	PRIMARY/SECONDARY TARGET	VARCHAR2	225	225	1	See Agency Documentation
Fixed	TERRA	TARGET TERRAIN TYPE	VARCHAR2	226	226	1	See Table TERRS
Fixed	WEATH	TARGET WEATHER	VARCHAR2	227	232	6	See Agency Documentation & Table s TOBSS & CB27S
Fixed	CLCOV	CLOUD COVER (TARGET WEATHER)	VARCHAR2	233	233	1	See Table TCOVS
Fixed	RECID	RECORD ID	VARCHAR2	234	234	1	See Agency Documentation
Fixed	DEKNR	DECK NUMBER	VARCHAR2	235	237	3	See Agency Documentation
Fixed	CREAT	CREATION DATE	VARCHAR2	238	243	6	See Agency Documentation
Fixed	CDATE	CHANGE DATE	VARCHAR2	244	249	6	See Agency Documentation
Fixed	JCSNR	DECK NUMBER FORWARDED TO JCS	VARCHAR2	250	252	3	See Agency Documentation
Fixed	RCINC	REPORTING COMMANDER-IN-CHIEF	VARCHAR2	253	253	1	See Agency Documentation
1	ECDNR	DEFENSE CARD NUMBER	VARCHAR2	254	254	1	See Agency Documentation
1	EPOST	ENROUTE DEFENSE COORDINATES	VARCHAR2	255	265	11	See Agency Documentation
1	ECORD	EPOST IN DEGREES AND THOUSANDTHS	VARCHAR2	266	278	13	See Agency Documentation
1	ALTUD	MISSION ALTITUDES	VARCHAR2	279	283	5	See Agency Documentation
1	EDATA	ENEMY DEFENSE DATA	VARCHAR2	284	298	15	See Agency Documentation & Tables CB19S, CB20S, CB21S, CB28S, CB31S, CB32S
2	BCDNR	RELATED DEFENSE CARD NUMBER	VARCHAR2	299	299	1	See Agency Documentation
2	BNRAC	NUMBER OF TACTICAL UNIT AIRCRAFT	VARCHAR2	300	300	1	See Agency Documentation
2	GRPFN	TACTICAL UNIT/GROUP FORMATION	VARCHAR2	301	306	6	See Agency Layout & Table CB01S
2	MIATK	MISSILE ATTACK DATA	VARCHAR2	307	310	4	See Agency Layout & Table CB33S
2	POSMI	MISSILE POSITION	VARCHAR2	311	321	11	See Agency Documentation
2	POSAA	MISSILE LAUNCH AIRCRAFT POSITION	VARCHAR2	322	327	6	See Agency Documentation
2	MANTI	MISSILE ATTACK TIME	VARCHAR2	328	333	6	See Agency Documentation
2	VICTR	VISUAL MISSILE CONTROL	VARCHAR2	334	334	1	See Agency Documentation
3	LCDID	ECM/ORDNANCE LOAD TYPE	VARCHAR2	335	335	1	See Agency Documentation
3	LCDNR	LOAD CARD NUMBER	VARCHAR2	336	336	1	See Agency Documentation
3	LTYPE	ORDNANCE LOAD/GUN TYPE AND ECM EQUIPMENT CLASS/TYPE	VARCHAR2	337	343	7	See Agency Documentation & Tables CB05S & CB30S
3	LQUAN	LOAD QUANTITY	VARCHAR2	344	353	10	See Agency Documentation
3	LWGHT	LOAD WEIGHT	VARCHAR2	354	357	4	See Agency Documentation
3	LCLAS	LOAD CLASS	VARCHAR2	358	359	2	See Tables LCASS & Subroutine LDTNS

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SET	COLUMN NAME	TITLE / DESCRIPTION	DATA TYPE	START POSITION	END POSITION	WIDTH	COMMENTS
3	LTONS	LOAD TONNAGE	VARCHAR2	360	368	9	See Subroutine DLTNS
3	LDECM	FCM LOAD FREQUENCIES	VARCHAR2	369	378	10	See Agency Documentation & Tables CB04S & CB40S
4	RCDID	RESULTS CARD TYPE	VARCHAR2	379	379	1	See Agency Documentation
4	RSRCE	RESULTS REPORTING SOURCE	VARCHAR2	380	380	1	See Table CB10S
4	RDATA	ECM/ORDNANCE DATA	VARCHAR2	381	405	25	See Agency Documentation & Tables CB06S, CB11S, CB12S, CB22S, CB23S
4	NRELM	ORD-NUMBER OF ELEMENTS AFFECTED	VARCHAR2	406	407	2	See Agency Documentation
4	RCDNR	RESULTS CARD NUMBER	VARCHAR2	408	408	1	See Agency Documentation
5	ACDNR	AIR INCIDENT CARD SEQUENCE NUMBER	VARCHAR2	409	409	1	See Agency Documentation
5	ATYPE	AIRCRAFT INCIDENT TYPE	VARCHAR2	410	410	1	See Agency Documentation
5	SRTEF	OBJECTIVE ACCOMPLISHED/FORCE AFFECTED	VARCHAR2	411	412	2	See Agency Documentation
5	ALDAD	AIRCRAFT LOST	VARCHAR2	413	416	4	See Agency Documenation & Tables CB08S, CB25S, CB26S
5	SVTIM	AIRCRAFT SURVIVAL TIME	VARCHAR2	417	417	1	See Table CB09S
5	AENAC	ENEMY AIRCRAFT TYPE (TMS)	VARCHAR2	418	423	6	See Agency Documentation
5	ANRAC	NUMBER OF AIRCRAFT AFFECTED	VARCHAR2	424	425	2	See Agency Documentation
5	APOST	INCIDENT POSITION DATA (APOST)	VARCHAR2	426	436	11	See Agency Documentation
5	ACORD	APOST IN DEGREES AND THOUSANDTHS	VARCHAR2	437	449	13	See Agency Documentation
5	ALTSP	INCIDENT ALTITUDE AND SPEED DATA	VARCHAR2	450	451	2	See Agency Documentation
5	CRWST	CREW STATUS	VARCHAR2	452	455	4	See Agency Documentation
5	ATIME	INCIDENT TIME	VARCHAR2	456	461	6	See Agency Documentation
5	TACTI	MISSION STAGING TIME	VARCHAR2	462	464	3	See Agency Documentation & Tables CB07S & CB11S
5	SERNR	AFFECTED AIRCRAFT SERIAL NUMBER	VARCHAR2	465	470	6	See Agency Documentation
5	CNTCD	INCIDENT COUNTRY	VARCHAR2	471	472	2	See Agency Documentation
5	RPTKG	INCIDENT (ROUTE PACKAGE)	VARCHAR2	473	473	1	See Agency Documentation
6	COMNT	COMMENTS	VARCHAR2	474	526	53	See Agency Documentation
6	CCDNR	COMMENTS CARD NUMBER	VARCHAR2	527	527	1	See Agency Documentation

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PRELIMINARY FILE DOCUMENTATION

FILE NAME- COMBAT AIR ACTIVITIES FILE (CACTA, FORMALLY COMBA)

FILE DATE- JULY 1970 (REVISION 3)

FILE ANALYST- OPERATIONS STATISTICS SECTION J-3, PHONE OX59101

FILE PROGRAMMER- MR. N. EOGELL, IBM, PHONE OX7-3928

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ACKNOWLEDGEMENT

THIS PRELIMINARY FILE DOCUMENTATION HAS BEEN PREPARED BY THE INTERNATIONAL BUSINESS MACHINES CORP. 1601 N. KENT STREET, ARLINGTON, VIRGINIA FOR THE NATIONAL MILITARY COMMAND SYSTEMS SUPPORT CENTER, UNDER DCA CONTRACT NUMBER 100-70-C-0014. INFORMATION CORRESPONDS TO RELEASE 18.5 OF THE IBM 360 OPERATING SYSTEM.

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FILE DESCRIPTION

A. NARRATIVE.

1. THE PURPOSE OF THE CACTA (FORMERLY COMBA) FILE IS TO MAINTAIN A CURRENT AND HISTORICAL DATA BASE OF COMBAT AIR ACTIVITIES IN ORDER TO SUPPORT THE JOINT CHIEFS OF STAFF AND OTHER AGENCIES OF THE DEPARTMENT OF DEFENSE.
2. THE CACTA FILE IS DESIGNED TO PROVIDE INFORMATION PERTAINING TO COMBAT... FOR EXAMPLE - (COMBAT SUPPORT AND RECONNAISSANCE AIR ACTIVITIES FROM WHICH SPECIFIC INFORMATION ON INDIVIDUAL SORTIES OR STATISTICAL SUMMARIES FOR ANALYSIS MAY BE PRODUCED). EACH MISSION, TARGET, AND SORTIE TYPE IS UNIQUE AND CONTAINS INFORMATION ON FIXED MISSION DATA AND PERIODIC DATA.
3. INFORMATION FOR THE CACTA FILE IS RECEIVED FROM CINCPAC AND CINCSAC. A SMALL VOLUME OF HELICOPTER DATA TRANSACTIONS ARE ALSO RECEIVED FROM U.S. ARMY AND U.S. MARINE SOURCES.  
INPUT DATA IS REPORTED DAILY THROUGH THE COACT III REPORTING SYSTEM. ALTHOUGH CURRENT INPUT IS ONLY ON AIR ACTIVITIES IN SOUTHEAST ASIA (SEA) AS RECEIVED FROM CINCPAC AND CINCSAC, THE SYSTEM IS CAPABLE OF HANDLING INPUT FROM OTHER CINCs.  
~~THE PRIMARY INPUT IS RECEIVED MONTHLY IN THE FORM OF A MAGNETIC TAPE DATA BASE. CUT-OFF DATE AT CINCPAC IS THE 18TH OF EACH MONTH FOR THE PRIOR MONTH'S DATA. CINCSAC AND ARMY HELICOPTER TRANSACTION DATA CARDS ARE HELD IN SUSPENSE AT THE NMOSSC, PENDING ARRIVAL OF THE CINCPAC CACTA DATA BASE.~~

APPLICABLE REPORTING INSTRUCTIONS ARE

4. JBM 1299-65, 12 AUGUST 1966, AS AMENDED.
5. CINCPAC INSTRUCTION 2480.2 (J35), COMBAT ACTIVITIES REPORT III (COACT III). REVISED JAN 1970.
6. CINCSAC ADHERES TO THE COACT III REPORTING SYSTEM, AS REQUIRED BY ITEM B ABOVE.

NOTE THE DATA FIELDS WHICH COMprise THE CACTA FILE ARE SPECIFICALLY DEFINED IN THE FILE FORMAT TABLE (FFT), WHEREAS THE FORMATTED, PUNCH CARD REPORTS RECEIVED FROM CINCSAC ARE DESCRIBED IN THE COMBAT ACTIVITIES REPORT III (COACT III). ARMY AND MARINES HELICOPTER DATA IS REPORTED VIA THE OREP-5 TELETYPE (TWX) REPORTING SYSTEM.

4. THE FOLLOWING ACTIVITIES RECEIVE INFORMATION FROM THE CACTA FILE

- A. J-3 OPERATIONS DIRECTORATE (OSD)

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B. NMCS DIVISION

C. MACV/DMA - MILITARY ASSISTANCE COMMAND, VIETNAM  
DATA MANAGEMENT AGENCY

D. OSD/SA - OFFICE OF SECRETARY OF DEFENSE/SYSTEMS ANALYSIS

E. OSD - OFFICE OF THE SECRETARY OF DEFENCE CONTROLLER,  
STATISTICAL BRANCH

F. DIA - DEFENSE INTELLIGENCE AGENCY

G. CIA - CENTRAL INTELLIGENCE AGENCY

5. THE CATEGORIES OF DATA CONTAINED IN EACH SET OF THE CACTA FILE ARE:

A. CONTROL SET - MISSION INFORMATION DATA - SEQUENCE OF MISSION,  
HEADQUARTERS, TARGET, SORTIE AND UNIT IDENTIFICATION

B. FIXED SET - MISSION FUNCTION - CLASSIFICATION, NICKNAME, TARGET  
INFORMATION, COORDINATE OF TARGET, TERRAIN, WEATHER AND COVER

C. PERIODIC SET 1 - ENEMY DEFENSE - POSITION, NUMBER, RESPONSE TIME  
AND TYPE FIRE

D. PERIODIC SET 2 - MISSILE ENCOUNTER DATA - TACTICAL UNIT, MISSILE  
POSITION, MANEUVER TIME AND VISIBILITY

E. PERIODIC SET 3 - LOAD DATA - DELIVERY INFORMATION

F. PERIODIC SET 4 - RESULTS DATA - MEASURE OF RESULT

G. PERIODIC SET 5 - AIR INCIDENT - FRIENDLY OR ENEMY, LOSS, DAMAGE,  
ABORT, DIVERSION, TIME AND TACTIC

H. PERIODIC SET 6 - COMMENTS RELATED TO THE RECORD

6. THE CACTA FILE WAS REVISED IN MAY 1970 FOR ALL DATA FROM JANUARY  
1970 TO THE PRESENT. THIS REVISION WAS NECESSITATED BY CHANGES MADE BY  
CINCPAC WHEN CONVERTING TO S/360 NIPS. CHANGES TO THE FET ARE DOCUMENTED  
IN BOTH THE FILE FORMAT TABLE LISTING AND THE FILE DETAIL SECTION.  
AS A RESULT OF THESE CHANGES IT BECAME NECESSARY TO MAINTAIN TWO  
FILE LIBRARIES. THE FIRST IS THE ACTIVE LIBRARY NAMED CACTAL ON DISK  
PACK NO0193. THE SECOND IS THE HISTORICAL LIBRARY NAMED CACTAH ON  
DISK PACK NO0212. THE HISTORICAL LIBRARY IS TO BE USED WITH ALL  
REQUIREMENTS FOR DATA PRIOR TO JANUARY 1970 AND THE ACTIVE LIBRARY WILL  
BE USED FOR ALL REQUIREMENTS FOR JANUARY 1970 ON.

7. THE COMBA FILE WAS RENAMED CACTA AND REVISED 7 FEBRUARY 1969 TO  
GENERALLY CONFORM TO THE CINCPAC FILE STRUCTURE. COMBA DATA FIELDS  
UNIQUE TO THE JOINT STAFF AND J-3 REPORTING REQUIREMENTS WERE RETAINED.  
ADDITIONALLY, PROCESSING AND FILE MAINTENANCE WERE CONVERTED FROM THE

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IRM 1410 NIPS TO THE S/360 NIPS TO PROVIDE A MORE TIMELY DATA BASE BY REDUCING THE AVAILABILITY OF MACHINE TIME BY 30 HOURS A MONTH AND TO PROVIDE FOR EARLIER RECEIPT OF PRINTED REPORTS TO USERS OF THE SYSTEM.

8. THE CACTA FILE WAS CONVERTED FROM THE COMBA FILE WITH MOST OF THE DATA FIELDS REMAINING UNCHANGED. HOWEVER, SOME CHANGES IN DATA ELEMENTS AND FORMAT WERE MADE DURING THE REVISION TO PROVIDE AN INTERFACE WITH THE CINCPAC SYSTEM. DETAILS OF THE PRESENT FILE DATA ELEMENTS CAN BE FOUND IN THE FILE DETAIL SECTION OF THIS DOCUMENT.

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2. DATA TRANSACTIONS ARE RECEIVED, PROCESSED AND DISTRIBUTED AS INDICATED BELOW-

SAC TRANSACTION CARDS--FOR B52 TYPE AIRCRAFT ONLY--ARE RECEIVED DAILY, 24 HOURS AFTER OCCURRENCE VIA INTERIM DATA TRANSMISSION NETWORK (IDTN) OR AUTODIN TRANSCEIVER TERMINAL/NETWORK. THE CARDS ARE RETAINED IN A SUSPENSE FILE FOR ONE CALENDAR MONTH, PENDING RECEIPT OF THE CINCPAC CACTA DATA BASE TAPE. HELICOPTER TRANSACTION DATA IS RECEIVED IN THE FORM OF OPREP-5 WEEKLY TELETYPE REPORTS FOR ARMY AND MARINE UNITS. NUMBER OF SORTIES FLOWN AND ORDNANCE TONNAGE IS OF PRIMARY INTEREST. COPIES OF THE OPREP-5 REPORTS ARE GIVEN TO THE NMOSSC RAM SECTION FOR KEYPUNCHING INTO COACT III FORMAT.

3. A BRIEF DESCRIPTION OF EACH OUTPUT, PRODUCT, FREQUENCY SCHEDULE AND DISTRIBUTION FOLLOWS

BIT	DESCRIPTION	REQUESTED	DISTRIBUTION
CB01R	SAC AIR MISSION SUMMARY AS REQUIRED		
CB02R	SORTIES BY SERVICE AND AS REQUIRED BY SORTIE FUNCTION		
CB03R	SECONDARY FIRES/EXPLO- SIONS AND TRUCKS DAMAGED/DESTROYED	MONTHLY	DIA
CB04R	ATTACK AND NON-ATTACK SORTIES BY INTENSITY OF ENEMY FIRE	MONTHLY	DIA
CB05R	SECONDARY FIRES/EXPLO- SIONS AGAINST VEHICLES	AS REQUIRED	
CB06R	SORTIES AND LOSSES BY TYPE A/C AND SERVICE FOR EACH ROUTE PACKAGE	AS REQUIRED	
CB07R	SORTIE BY A/C AND FUNC- TION BY LAUNCH BASE	AS REQUIRED	
CB08R	TOTAL SORTIE AND TOTAL TONS ORDNANCE EXPENDED	AS REQUIRED	
CB09R	STRIKE RESULTS BY TARGET TYPE BY COUNTRY	AS REQUIRED	
CB10R	COMBAT LOSSES OVER N. VIETNAM BY SORTIE FUNC- TION, BY ACFT TYPE, BY	AS REQUIRED	

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SERVICE, BY RTE PKG  
AND OVERALL.

CB21R AIR ACTIVITIES BY CORPS AS REQUIRED  
AREA IN VS.

CB22R ORDNANCE DELIVERED AND MONTHLY  
TARGET RESULTS, BY ROUTE  
PACKAGE.

CBX1R ACFT-DELIVERED MONTHLY OSD  
MUNITIONS BY ACFT TYPE  
FOR USN, USMC.

CBX2R ACFT-DELIVERED MONTHLY OSD  
MUNITIONS BY ACFT TYPE  
FOR USAF, VNAF, USA.

CBX3R SUMMARY OF ACFT-  
DELIVERED MUNITIONS BY  
ACFT TYPE AND BY  
MUNITIONS FOR USN AND  
USMC

CBX4R SUMMARY OF ACFT-  
DELIVERED MUNITIONS BY  
ACFT TYPE AND BY  
MUNITIONS FOR USAF VNAF  
AND USA

CBY1R ACFT-DELIVERED MONTHLY OSD  
MUNITIONS CONSUMPTION  
BY AREA AND SERVICE.

CBY2R ACFT-DELIVERED MONTHLY OSD  
MUNITIONS CONSUMPTION  
BY AREA, SERVICE, AND  
TYPE MUNITION

CB1YR ACFT-DELIVERED MONTHLY OSD  
MUNITIONS  
CONSUMPTION BY  
AREA AND SERVICE  
FOR B-52  
SORTIES ONLY

SORTIES SORTIE  
SUMMARY BY  
SORTIE  
FUNCTION

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FILE FORMAT TABLE

FSJOB CREATE, CACTA  
CLASS 'SECRET'

CHANGES MADE TO THE FFT IN MAY OF 1970 AFFECTING ALL DATA FROM  
JAN. 1970 ON. CHANGE LQUAN TO A GROUP CONSISTING OF THREE NEW  
FIELDS-QUAN, JQUAN, RQUAN.

CORDA COORD 15  
COPDB COORD 15  
CORDC COORD 15  
CORDD COORD 15  
ACORD COORD 11  
ECORD COORD 11

THE FOLLOWING ARE IN THE FIXED SET.

MSNDT FIELD 006,C, ,\$,ALPHA,\* , 'DATE' MISSION DATE  
CHAR 1/2 YEAR  
MSNDT 2/3 CONVERTED MONTHS OUTPUT SIZE 03  
CHAR 2-3 MONTH  
CHAR 4-5 DAY  
MSNID FIELD 005,C, ,\$,ALPHA,\* , 'MISSION SEQ NO./SCHED PG'  
MSNID 1/1 CONVERTED VICES OUTPUT SIZE 15  
CHAR 1 SCHEDULING HEADQUARTERS  
CHAR 2 FOR NON-NAVY LAUNCH BASE  
CHAR 2 FOR LAND LAUNCHED NAVY  
CHAR 2-5 FOR CVA LAUNCHED SEQUENCE NUMBER  
CHAR 3-5 FOR LAND LAUNCHED SEQUENCE NUMBER  
TGTID FIELD 001,C, ,\$,ALPHA,\* , 'TARGET ID' TARGET ID  
SRTID FIELD 001,C, ,\$,ALPHA,\* , 'SORTIE ID' SORTIE ID  
LAUIC FIELD 006,C, ,\$,ALPHA,\* , 'UIC' UNIT ID CODE  
LAUIC 1/1 CONVERTED CB34S OUTPUT SIZE 12  
CHAR 1 SERVICE  
CHAR 2-6 UIC  
CONTR GROUP MSNDT, TGTID, SRTID, LAUIC, !\$,ALPHA,\* , 'CONTR GROUP'  
MFUNC FIELD 002,X, ,\$,ALPHA,\* , 'MISSION FUNCTION'  
MFUNC CONVERTED CB33S OUTPUT SIZE 20  
SFUNC FIELD 002,X, ,\$,ALPHA,\* , 'SORTIE FUNCTION'  
SFUNC CONVERTED CB33S OUTPUT SIZE 20  
SECUR FIELD 001,X, ,\$,ALPHA,\* , 'CLASS' SECURITY CLASSIFICATION  
U UNCLASSIFIED  
C CONFIDENTIAL  
S SECRET  
T TOP SECRET  
CCODE FIELD 001,X, ,\$,ALPHA,\* , 'CORRECTION CODE'  
BLANK ORIGINAL DATA  
C CHANGE PREV REPORTED DATA  
D DELETE PREV REPORTED DATA  
MSNNR FIELD 009,X, ,\$,ALPHA,\* , 'MISSION NUMBER'  
MSNNR 1/2 CONVERTED MAPS OUTPUT SIZE 14  
CHAR 1-2 PROGRAM IDENTIFICATION

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CHAR 3-9 PROGRAM NUMBER  
 SRVCE FIELD 001,X, ,\$,ALPHA," , " SERVICE SUPPORTED  
 SRVCE CONVERTEO VICES OUTPUT SIZE 15  
 SCHED FIELD 005,X, ,\$,ALPHA," , " MISSION ORIGINALLY SCHEDULED  
 SCHED 1/2 CONVERTED MAPGS OUTPUT SIZE 14  
 CHAR 1-2 MAJOR PROGRAM  
 CHAR 3-4 MISSION NUMBER  
 CHAR 5 LETTER IDENTIFICATION  
 NICKN FIELD 014,X, ,\$,ALPHA," , " MISSION NICKNAME  
 OPSUP FIELD 015,X, ,\$,ALPHA," , " OP SUPPORTED OPERATION SUPPORTED  
 CNTOR FIELD 002,X, ,\$,ALPHA," , " ORIGIN COUNTRY OF ORIGIN  
 LBASE FIELD 010,X, ,\$,ALPHA," , " LAUNCHED LAUNCH BASE  
 CONSIST OF A ONE LETTER CODE TCAO/HULL NO., OR THE  
 LAUNCH BASE OR CVA SPELLED OUT  
 ACRFT FIELD 008,X, ,\$,ALPHA," , " AIRCRAFT TYPE/MODEL/SERIES  
 CHAR 1-7 TYPE/MODEL  
 CHAR 8 SERIES  
 SNRAC FIELD 003,X, ,\$,NUMBER," , " NO ACFT NUMBER OF AIRCRAFT  
 FLYHR FIELD 004,X, ,\$,NUMBER," , " FLYING HOURS (TENTH)  
 TMOVT FIELD 008,X, ,\$,NUMBER," , " OVER TARGET TIME OVER TARGET  
 CHAR 1-4 FIRST TIME OVER TARGET  
 CHAR 5-8 LAST TIME OVER TARGET  
 TODAY FIELD 001,X, ,\$,ALPHA," , " PERIOD OF DAY  
 TODAY CONVERTEO PDDYS OUTPUT SIZE 05  
 M = DAWN D = DAY E = DUSK N = NIGHT  
 CNTL FIELD 001,X, ,\$,ALPHA," , " TARGET CONTROL  
 CNTL CONVERTEO CR1BS OUTPUT SIZE 15  
 A ABN FWD AIR CNTL (CPTCKT) N NONE  
 B ABN FWD AIR CNTL (TIGER HOUND) I GCI  
 S SHIP L LOPAN  
 C ARN FWD AIR CNTL M MSG  
 Z COMBAT RESCUE CTP R PREBRIEFED TOT  
 G GRND FWD AIR CNTL T TPR-10  
 O TGT OF OPPORTUNITY U UNKNOWN  
 REECE FIELD 001,X, ,\$,ALPHA," , "EFFECT RECON EFFECTIVENESS  
 REECE CONVERTEO CR1BS OUTPUT SIZE 03  
 1 10 PERCENT 7 70 PERCENT  
 2 20 PERCENT 8 80 PERCENT  
 3 30 PERCENT 9 90 PERCENT  
 4 40 PERCENT 0 100 PERCENT  
 5 50 PERCENT II UNKNOWN  
 6 60 PERCENT X NO COVERAGE (ZERO PERCENT)  
 REFUL FIELD 002,X, ,\$,NUMBER," , " REFUEL INDICATOR  
 THE NO. OF REFULS BY THE TANKERS INDICATED IN SNRAC  
 STYPE FIELD 001,X, ,\$,ALPHA," , " SCRTIE CARD ID (TYPE)  
 S SCRTIE SUMMARY T TARGET ASSOCIATED  
 MTIND FIELD 001,Y, ,\$,ALPHA," , "MULTI-TARGET" MULTITARGET IND.  
 M FOR ALL SCRTIE CARDS EXCEPT THE FIRST FOR MULTIPLES.  
 TGDBJ FIELD 002,X, ,\$,ALPHA," , "OBJECTIVE" TARGET OBJ TYPE  
 TGDBJ CONVERTEO CG06S OUTPUT SIZE 20  
 CNTRY FIELD 002,X, ,\$,ALPHA," , " COUNTRY CODE  
 CNTRY CONVERTEO CTRYS OUTPUT SIZE 15

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VN NORTH VIETNAM VS SOUTH VIETNAM CR CAMBODIA  
LA LAOS CH CHINA TH THAILAND  
GU GUAM PI PHILLIPINES RK OKINAWA  
UN KNOWN XI WESTPAC WATERS  
RTCOR FIELD 001.X, ,-\$,ALPHA,\* , AREA! CORPS/RTE PKG AREA  
\*\* IN-COUNTRY MISSIONS \*\*

O UNKNOWN 3 CORPS AREA III  
1 CORPS AREA I 4 CORPS AREA IV  
2 CORPS AREA II

\*\* OUT-OF-COUNTRY MISSIONS \*\*  
RTCOR CONVERTED RFKGS

O UNKNOWN 2 RTE AREA 2 3 RTE AREA 3  
1 RTE AREA 1 4 RTE AREA 4 5 RTE AREA 5  
6 RTE AREA 6A 7 RTE AREA 6B A RTE AREA A  
B RTE AREA B C RTE AREA C D RTE AREA C  
E RTE AREA E F RTE AREA F G RTE AREA G

PROVC FIELD 002.X, ,-\$,ALPHA,\* , PROVINCE CODE  
PROVC CONVERTED PROVS OUTPUT SIZE 10  
PTSEG FIELD 001.X, ,-\$,ALPHA,\* , POINT/SEGMENT TARGET ID  
A AREA TARGET  
S ARMED RECONNAISSANCE ROUTE  
P A POINT TARGET REF BY A SINGLE SET OF COORDS  
TYPCO FIELD 001.X, ,-\$,ALPHA,\* , RTE/PKG,UTM

L LAT/LONG  
U UTM

POSTA FIELD 015.X, ,-\$,ALPHA,\* , BEGIN! BEGIN POSITION

CHAR 1-10! UTM COORDINATES

CHAR 1-5 LATITUDE - RECCE TARGETS

CHAR 1-7 LATITUDE - POINT/ROUTE TARGETS

CHAR 6-11 LONGITUDE - RECCE TARGETS

CHAR 8-15 LONGITUDE - POINT/ROUTE TARGETS

CORDA FIELD 013.X, ,-\$,ALPHA,\* , POSTA IN DEGREES AND THOUSANDS!

POSTB FIELD 015.X, ,-\$,ALPHA,\* , RECCE TERM/TURN POSITION

CHAR 1-12 TARGET B.E. NUMBER

(ALL OTHER CHAR POSITIONS ARE THE SAME AS POSTA)

CORDB FIELD 013.X, ,-\$,ALPHA,\* , POSTA IN DEGREES AND THOUSANDS!

POSTC FIELD 011.X, ,-\$,ALPHA,\* , RECCE TERM/TURN POSITION

CHAR 1-10 UTM COORDINATES

CHAR 1-5 LATITUDE

CHAR 6-11 LONGITUDE

CORDC FIELD 013.X, ,-\$,ALPHA,\* , POSTC IN DEGREES AND THOUSANDS!

POSTD FIELD 011.X, ,-\$,ALPHA,\* , END! END POSITION/TARGET DESCRIPT

CHAR 1-9 TARGET DESCRIPTION

ALL OTHER CHAR POSITIONS ARE THE SAME AS POSTC

CHAR 12-24 LAT/LONG IN DEGREES AND THOUSANDS

CORDD FIELD 013.X, ,-\$,ALPHA,\* , POSTO IN DEGREES AND THOUSANDS!

PRSEC FIELD 001.X, ,-\$,ALPHA,\* , PRIMARY/SECONDARY TARGET ID

1 - PRIMARY 2 - SECONDARY

TERRA FIELD 001.X, ,-\$,ALPHA,\* , TERRAIN TARGET TERRAIN

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TERRA            CONVERTED TERRS    OUTPUT SIZE 07  
F FLAT            V RIVER            K KARST  
R ROLLING        C COASTAL        I ISLAND  
M MOUNTAINS      W WATER         U UNKNOWN  
WEATH FIELD 006,X, ,\$,ALPHA,\*, 'WEATHER' TARGET WEATHER  
CHAR 1-3 CLOUD BASE (HUNDREDS OF FEET)  
CHAR 4 VISIBILITY (STATUTE MILES, GE 0 - 9, LE 1 - 1  
WEATH S/S        CONVERTED TORSS    OUTPUT SIZE 05  
CHAR 5 TYPE OF WEATHER  
N NONE            C CLOUDS        T THUNDERSTORMS  
F FOG            L BRIZZLE        Z DARKNESS  
R RAIN            E SLEET         R CLP AIR TURBULANCE  
S SNOW            A HAIL         U UNKNOWN  
H HAZE            D DUST  
K SMOKE          X TREES  
WEATH 6/6        CONVERTED CR27S    OUTPUT SIZE 04  
CHAR 6 DEGREE OF WEATHER  
L LIGHT            M MODERATE      F FEW  
S SCATTERED        H HEAVY        N NUMEROUS  
U UNKNOWN  
CLCOV FIELD 001,X, ,\$,ALPHA,\*, 'C-COVER' CLOUD COVER  
CLCOV            CONVERTED TCOVS    OUTPUT SIZE 05  
C CLEAR            O OVERCAST      L BTWEN LAYRS  
S SCATTERED        U UNDERCAST  
B BROKEN          I IN CLOUDS  
REC'D FIELD 001,X, ,\$,ALPHA,\*, 'REC STAT' PARTIAL RECORD ID  
C COMPLETE MISSION  
P PARTIAL MISSION  
I INCOMPLETE RECORD  
DEKNR FIELD 003,X, ,\$,ALPHA,\*, 'DECK NO.' DECK NUMBER  
CFFAT FIELD 006,X, ,\$,ALPHA,\*, 'CREATE DATE' DATE RECORD CREATED  
COATE FIELD 006,X, ,\$,ALPHA,\*, 'CHANGE DATE' DATE RECORD CHANGED  
JCSNR FIELD 003,X, ,\$,ALPHA,\*, 'DECK NR FORWARDED TO JCS'  
RCINC FIELD 001,X, ,\$,ALPHA,\*, 'REPORTING CTINC'  
  
THE FOLLOWING ARE IN PERIODIC SET 1.  
  
PERIODIC SET ONE IS CONCERNED WITH ENEMY DEFENSE INFORMATION  
ECDNR FIELD 001,1,\$,\*,NUMER,A        'ENEMY DEFENSE CARD NUMBER'  
EPOST FIELD 011,1,\$,\*,ALPHA,\*,        'UTM OR LAT/LONG POSITION'  
CHAR 1-10 UTM COORDINATES  
CHAR 1-5 LATITUDE  
CHAR 6-11 LONGITUDE  
ECOND FIELD 013,1,\$,\*,ALPHA,\*, 'EPOST IN DEGREES AND THOUSANDS'  
ALTUD FIELD 005,1,\$,\*,ALPHA,\*, 'VARIED ALTITUDE DATA'  
CHAR 1 ALTITUDE TO TARGET  
CHAR 2 ALTITUDE IN TARGET  
CHAR 3 BEG STRIKE ALTITUDE  
CHAR 4 ESCAPE ALTITUDE

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CHAR 5 ALTITUDE FROM TARGET  
(ALTITUDE CODES ARE DESCRIBED UNDER CHAR 7 OF RDATA)  
EDATA FIELD 015,1,S,-\$,ALPHA,\*, \*\* ENEMY DEFENSE DATA  
(2 SETS OF 15 CHARS)  
EDATA 1/2 CONVERTED CB19S OUTPUT SIZE 16  
CHAR 1-2 DEFENSE CLASS/TYPE  
CHAR 3-5 NUMBER OBSERVED  
CHAR 6 OBSERVATION ALTITUDE (CHAR 7 OF RDATA)  
EDATA 7/7 CONVERTED RSPNS OUTPUT SIZE 11  
EDATA 7/7 CONVERTED CB21S OUTPUT SIZE 02  
CHAR 7 RESPONSE TIME (IN MINUTES)  
0 LT 1 2 3-5 4 7-9 6 11-13 8 15-17  
1 1-3 3 5-7 5 9-11 7 13-15 9 17 OR GREATER  
EDATA 8/8 CONVERTED CB28S OUTPUT SIZE 03  
CHAR 8 TYPE FIRE  
B BARRAGE T TRACKING R RANDOM U UNKNOWN  
EDATA 9/9 CONVERTED FFIRS OUTPUT SIZE 04  
EDATA 9/9 CONVERTED TROLS OUTPUT SIZE 06  
CHAR 9 INTENSTY OF FIRE  
N NONE U UNKNOWN L LIGHT M MEDIUM H HEAVY  
CHAR 10 ALTITUDE OF BURST (CHAR 7 OF RDATA)  
CHAR 11-12 DISTANCE TO BURST (HUNDREDS OF FEET)  
EDATA 13/13 CONVERTED RCTCS OUTPUT SIZE 08  
CHAR 13 COLOR OF BURST  
W WHITE O OTHER A FIREBALL Y YELLOW/ORANGE  
B BLACK R RED T TRACERS F BRIGHT FLASH  
G GRAY N BROWN H UNKNOWN  
EDATA 14/14 CONVERTED CB31S OUTPUT SIZE 11  
CHAR 14 EVASIVE MANEUVERS  
1 JINKED 5 SIGNIF SPEED CHG  
2 DRIVE 6 TURNED ON DECEPTION JAMMER  
3 SPLIT S 7 CONDUCTED ACTIVE JAMMING  
4 CLIMB 8 HIGH G TURN W/MISSILE  
C SPIRAL B SPLIT S PLUS FOLLOW ON MANEUVER  
0 NONE E HORIZONTAL WEAVE  
1 UNKNOWN F VERTICAL WEAVE  
A HARD TURN D ROLL AHEAD  
CHAR 15 CHAFF INDICATOR  
N NO CHAFF USED M MED 100-500 LBS  
L HVY OVER 500 LBS L LGT LESS THAN 100 LBS

THE FOLLOWING ARE IN PERIODIC SET 2.

PERIODIC SET TWO IS CONCERNED WITH MISSLE ENCOUNTER DATA  
BCDRN FIELD 001,2,S,-\$,ALPHA,\*, \*\* DEFENSE CARD NUMBER  
BNRAC FIELD 001,2,S,-\$,NUMBER,\* \*\* NUMBER OF AIRCRAFT  
GRPEM FIELD 006,2,S,-\$,ALPHA,\*, \*\* TACTICAL UNIT/GROUP FORMATION  
GRPEM 1/1 CONVERTED TUNES OUTPUT SIZE 15  
CHAR 1 UNIT FORMATION

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CHAR 2-3 FORMATION SPACING  
GRPFM 4/4 CONVERTED TUNES OUTPUT SIZE 15  
CHAR 4 UNIT FORMATION  
CHAR 5-6 UNIT SPACING  
MJATK FIELD 004,2,S,-\$,ALPHA,\* ,\*\* MISSILE ATTACK DATA  
MJATK 1/1 CONVERTED MWNNS OUTPUT SIZE 15  
CHAR 1 MISSILE WARNING  
A BROADCAST WARNING D VISUAL SIGHTING  
B ON-BOARD PRE-LAUNCH WARNING E OTHER  
C ON-BOARD POST-LAUNCH WARNING  
CHAR 2 EVASIVE MANEUVERS (CHAR 14 OF RDATA)  
CHAR 3 FORMATION INTEGRITY N MAINTAINED, S SEPARATED  
CHAR 4 END MANEUVER ALTITUDE (CHAR 7 OF RDATA)  
POSMI FIELD 011,2,S,-\$,ALPHA,\* ,\*\* MISSILE POSITION  
CHAR 1-3 CLOSEST POINT OF APPROACH IN SEC  
CHAR 4-9 MISSILE POSITION  
CHAR 10-11 CLOSEST POINT OF APPROACH IN FT  
POSAA FIELD 006,2,S,-\$,ALPHA,\* ,\*\* AIRCRAFT POSITION  
CHAR 1-2 CLOCK  
CHAR 3 LEVEL INDICATOR  
CHAR 4-6 DISTANCE (TENTHS)  
MANTR FIELD 006,2,S,-\$,NUMBER,\* ,\*\* MANEUVER TIME (SEC)  
VICTR FIELD 001,2,S,-\$,ALPHA,\* ,\*\* VISUAL VISUAL CONTROL EXISTS  
Y YES  
N NO

THE FOLLOWING ARE IN PERIODIC SET 3.

PERIODIC SET THREE IS CONCERNED WITH LOAD DATA

LCDID FIELD 001,3,S,-\$,ALPHA,\* ,\*\* LOAD CARD ID  
W=INDICATES ORD DEL ON OR CT TARGET R=INDICATES ECM  
LCDNR FIELD 001,3,S,-\$,ALPHA,\* ,\*\* LOAD CARD NUMBER  
LTYPE FIELD 007,3,S,-\$,ALPHA,\* ,\*\* ECM/ORDNANCE TYPE  
LCDIO EQ W 3 SETS OF ORD DATA  
CHAR 1 BLANK  
LTYPE 2/4 CONVERTED CB30S OUTPUT SIZE 05  
CHAR 2-4 ORD-MACH GUN/CANNON TYPE  
001 M3 004 M61A1 007 SUU16A 010 MK-4 GUN PCD  
002 M24A1 005 M39A2 008 MK-12  
003 M51 006 SUU11A 009 MK-11  
CHAR 5-7 ODP-ORDNANCE TYPE  
LCDIO EQ R 3 SETS OF ECM DATA  
LTYPE 1/1 CONVERTED CB30S  
CHAR 1 ECM-EQUIPMENT CLASS T  
CHAR 2-4 BLANK  
CHAR 5-7 ECM-EQUIPMENT TYPE  
DQUAN FIELD 004,3,S,-\$,NUMBER,\* ,\*\* QUAN DELIVERED  
DQUAN WAS ADDED AS OF 1 JAN 1970 TO REFLECT CHANGES MADE BY

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CINCPAC. DQUAN WAS FORMERLY LQUAN 1/4  
 JQUAN FIELD 003,3,S,\*,\$,NUMER,\* , 'QUAN JETTISONED'  
 JQUAN WAS ADDED AS OF 1 JAN 1970 TO REFLECT CHANGES MADE BY  
 CINCPAC. JQUAN WAS FORMERLY LQUAN 5/7  
 RQUAN FIELD 003,3,S,\*,\$,NUMER,\* , 'QUAN RETURNED'  
 RQUAN WAS ADDED AS OF 1 JAN 1970 TO REFLECT CHANGES MADE BY  
 CINCPAC. RQUAN WAS FORMERLY LQUAN 8/10  
 LQUAN GROUP DQUAN,JQUAN,RQUAN,\*,\$,NUMER,\* , 'LOAD QUAN'  
 LQUAN WAS CHANGED FROM A 10 POSITION FIELD TO A GROUP  
 CONTAINING THREE FIELDS. THESE THREE FIELDS ARE DQUAN, JQUAN,  
 AND RQUAN. THE TOTAL LENGTH OF THIS GROUP IS 10 AS WAS  
 THE OLD FIELD. THIS CHANGE TAKES EFFECT WITH THE JAN, 1970  
 DATA.  
 LWGHT FIELD 004,3,S,\*,\$,NUMER,\* , 'ORD WEIGHT'  
 LCLAS FIELD 002,3,S,\*,\$,ALPHA,\* , 'LOAD CLASS'  
 LTONS FIELD 009,3,S,\*,\$,NUMER,\* , 'LOAD TONS'  
 3 SETS OF 14 CHARS  
 CHAR 1-4 ORD-QUANTITY DELIVERED  
 CHAR 5-7 ORD-QUANTITY JETTISONED  
 CHAR 8-10 ORD-QUANTITY RETURNED  
 CHAR 11-14 ORD WEIGHT  
 CHAR 15-16 LCLAS  
 CHAR 17-25 LTONS  
 LDECM FIELD 010,3,S,\*,\$,ALPHA,\* , 'ECM DATA'  
 3 SETS OF 10 CHARS  
 LDECM 1/3 CONVERTED ECMDS OUTPUT SIZE 08  
 CHAR 1-3 ECM-EQUIPMENT MODE  
 CHAR 4-6 ECM-MAX RADIO FREQUENCY (HUNDRED OF MCS)  
 CHAR 7-9 ECM-MIN RADIO FREQUENCY (HUNDRED OF MCS)  
 LDECM10/10 CONVERTED RFQDS OUTPUT SIZE 12  
 CHAR 10 ECM-BAND WIDTH  
 A 0-250 MC F 2001-3000 MC I 8001-10000 MC  
 B 251-500 MC F 3001-4000 MC J 10001-20000 MC  
 C 501-1000 MC G 4001-6000 MC K 20001-40000 MC  
 D 1001-2000 MC H 6001-8000 MC L 40001-60000 MC  
 M 60001-100000 MC

THE FOLLOWING ARE IN PERIODIC SET 4.

PERIODIC SET FOUR IS CONCERNED WITH RESULTS DATA

RCDID FIELD 001,4,S,\*,\$,ALPHA,\* , 'RESULTS CARD ID (O OR E)  
 RSRCE FIELD 001,4,S,\*,\$,ALPHA,\* , 'SOURCE' REPORT SOURCE  
 SRSC - CONVERTED SRCS OUTPUT SIZE 07  
 1 AIR CREW 3. PHOTO ANALYSIS 5 OTHER  
 2 AIRBORNE OBSERVER 4 GROUND OBSERVER U UNKNOWN  
 RDATA FIELD 025,4,S,\*,\$,ALPHA,\* , 'ECM/ORDNANCE DATA'  
 (IF O, 3 SETS OF 14 COLS  
 IF E, 2 SETS OF 25 COLS BASED ON RCDID

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RDATA 1/1 CONVERTED CHIS OUTPUT SIZE 09  
CHAR 1 ORD-TACTIC  
0 LEVEL DELIV 4 40-50 ANGLE 8 80-90 ANGLE  
1 10-20 ANGLE 5 50-60 ANGLE I ORBIT  
2 20-30 ANGLE 6 60-70 ANGLE L TFO/MSO  
3 30-40 ANGLE 7 70-80 ANGLE T TOSS BOMB DEL  
U UNKNOWN  
CHAR 2-3 ORD-NR. OF PASSES  
CHAR 4-5 ORD-STRIKE INTERVAL (HUNDREDS OF YARDS)  
CHAR 6 ORD-STRIKE GROUPING  
S FOR SIMULTANEOUSLY, 1-9 FOR THE NO. ACFT IN INCREMENT  
RDATA 7/7 CONVERTED CR22S OUTPUT SIZE 05  
RDATA 7/7 CONVERTED ALTOS OUTPUT SIZE 11  
CHAR 7 ORD-RELEASE ALTITUDE  
0 BELOW 100 FT 5 2001-3000 FT A 15001-20000 FT  
1 100-500 FT 6 3001-4000 FT B 20001-30000 FT  
2 501-1000 FT 7 4001-5000 FT C ABOVE 30001 FT  
3 1001-1500 FT 8 5001-10000 FT U UNKNOWN  
4 1501-2000 FT 9 10001-15000 FT  
CHAR 8 ORD-MINIMUM ALTITUDE  
SAME AS CHAR 7  
RDATA 9/9 CONVERTED AIRSS OUTPUT SIZE 07  
CHAR 9 ORD-MAXIMUM SPEED  
0 BELOW 100 KNOTS 4 251-300 KNOTS 8 451-500 KNOTS  
1 100-150 KNOTS 5 301-350 KNOTS 9 501-550 KNOTS  
2 151-200 KNOTS 6 351-400 KNOTS A OVER 551 KNOTS  
3 201-250 KNOTS 7 401-450 KNOTS U UNKNOWN  
CHAR 10-13 ORD-TARGET ELEMENT CODE  
RDATA 14/14 CONVERTED CR12S OUTPUT SIZE 09  
CHAR 14 ORD-DAMAGE INDICATOR  
1 DESTROYED U UNKNOWN O ORDNANCE MALFUNCTION  
2 DAMAGED 7 NO DAMG C SEEDED AREA  
3 CRATERED 8 DAMAGE (LT) D ORD ON TGT/NO RFA  
4 CUT 9 NOT OBSERVED E SECONDARY FIRES  
5 KILLED A SEC EXPLOSION  
6 WOUNDED B MISSED TARGET  
F SILENCED (FLAK/SAM SITE)  
CHAR 1-8 ECM-ELECTRONIC ACTIVITY  
CHAR 1-2 TARGET OBJ TYPE  
CHAR 3-4 S = SEARCH, T = TRACKING (GROUNDS LAYING RADAR)  
CHAR 5-6 A = ACQUISITION MODE, G = GUIDANCE MODE (SAM)  
CHAR 7-8 S = SEARCH, T = TRACKING (AIRCBORE SOURCE)  
CHAR 9-12 ECM-COUNTER MEASURES  
CHAR 1 4 = ACTIVE NOISE JAMMER  
CHAR 2 9 = DECEPTIVE JAMMER  
CHAR 3 C = CHAFF  
CHAR 4 0 = OTHER N = LISTENING ONLY  
CHAR 13-16 ECM-TIME OF INTERCEPT (ZULU TIME)  
CHAR 17-20 ECM-TIME COUNTER MEASURES - ON (ZULU TIME)  
CHAR 21-24 ECM-TIME COUNTER MEASURES - OFF (ZULU TIME)  
CHAR 25 ALTITUDE (SAME AS CHAR 7 ORD-RELEASE ALTITUDE)  
NRML FIELD 002,3,4,5,6,NUMBERS, \*# OF ELEMENTS

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RCDNR FIELD 001,4,S,BB,ALPHA," , " RESULTS CARD NUMBER

ACDNR FIELD 001,5,S,BB,ALPHA," , " A CARD NUMBER

ATYPE FIELD 001,5,S,BB,ALPHA," , " INCIDENT CARD TYPE

SRTEF FIELD 002,5,S,BB,ALPHA," , " OBJECTIVE ACCOMPLISHED  
CHAR 1 FRIENDLY OR ENEMY

CHAR 2 OBJECTIVE ACCOMPLISHED

Y YES

N NO

U UNKNOWN

ALDAD FIELD 004,5,S,BB,ALPHA," , " LOSS/DAMAGE/ABORT/DIVERSION  
ALDAD 1/1 CONVERTED CB25S OUTPUT SIZE 09

CHAR 1  
L COMBAT LOSS G OPERATIONAL DAMAGE  
D COMBAT DAMAGE A AIR ABORT  
S GROUND LOSS (FRIENDLY) V DIVERSION  
H GROUND DAMAGE (FRIENDLY) R RECALL  
O OPERATIONAL LOSS I INCOMPLETE SORTIE  
ALDAD 2/3 CONVERTED CB26S OUTPUT SIZE 15

CHAR 2-3 CAUSE OF L/D/A/D  
ALDAD 4/4 CONVERTED LOSSES OUTPUT SIZE 15

CHAR 4 LOSS CAUSE  
1 FUEL LOSS 7 INADVERTENT EJECTION  
2 FIRE 8 STRUCTURAL FAILURE  
3 FLIGHT CONTROLS 9 PILOT INCAPACITATED  
4 ENGINE FAILURE 6 HYDRAULIC FAILURE  
5 ELECTRICAL FAILURE U UNKNOWN  
6 HUNG ORDNANCE E EXPLOSION

SVTIM FIELD 001,5,S,BB,ALPHA," , " AIRCRAFT SURVIVAL TIME  
SVTIM CONVERTED SVTS OUTPUT SIZE 15

K IMMEDIATE TO 30 SEC  
A 30 SEC TO 5 MINUTES F LANDING LOSS DUE CRT DMG  
B 5 MINUTES TO 20 MINUTES U UNKNOWN

AENAC FIELD 006,5,S,BB,ALPHA," , " ENEMY AIRCRAFT TYPE

ANRAC FIELD 002,5,S,BB,NUMBER," , " NO ACFT NUMBER OF AIRCRAFT

APOST FIELD 011,5,S,BB,ALPHA," , " POSITION UTM OR LAT/LONG POSITION  
CHAR 1-10 UTM COORDINATES

CHAR 1-5 LATITUDE

CHAR 6-11 LONGITUDE

ACORD FIELD 013,5,S,BB,ALPHA," , " APOST IN DEGREES AND THOUSANDS'

ALTSP FIELD 002,5,S,BB,ALPHA," , " ALT/KNOTS' ALTITUDE AND SPEED

CHAR 1 ALTITUDE (CHAR 7 RDATA)

CHAR 2 SPEED (CHAR 9 RDATA)

CPWST FIELD 004,5,S,BB,NUMBER," , " CREW STATUS

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CHAR 1 NUMBER KILLED  
 CHAR 2 NUMBER MISSING  
 CHAR 3 NUMBER CAPTURED  
 CHAR 4 NUMBER RECOVERED  
 ATIME FIELD 006,5,S,\$,ALPHA,? , 'INCIDENT TIME'  
 MISSILE ATTACK TIME  
 CHAR 1-4 TIME OF INCIDENT  
 CHAR 5-6 ELAPSED TIME  
 TACTI FIELD 003,5,S,\$,ALPHA,? , 'INC TACTIC' INCIDENT TACTICS  
 TACTI 1/1 CONVERTED MSNS OUTPUT SIZE 08  
 CHAR 1 MISSION STAGE  
 0 ENROUTE TO TARGET 6 PULLOUT  
 1 WITHDRAWAL FROM TARGET 7 ON STATION (CAP)  
 2 SEARCHING ROUTE 8 AVOIDING WEATHER  
 3 IN DIVE 9 UNKNOWN  
 4 OVER TARGET  
 TACTI 2/2 CONVERTED CB11S OUTPUT SIZE 09  
 CHAR 2 INCIDENT TACTIC  
 0 LEVEL DELIVERY 7 70-80 ANGLE  
 1 10-20 ANGLE 8 80-90 ANGLE  
 2 20-30 ANGLE I ORBIT  
 3 30-40 ANGLE L TPC/MSQ  
 4 40-50 ANGLE T TOSS BOMB DELIVERY  
 5 50-60 ANGLE U UNKNOWN  
 6 60-70 ANGLE  
 CHAR 3 PASS NUMBER  
 SERRN FIELD 006,5,S,\$,ALPHA,? , 'SPECIAL/BUREAU NUMBER'  
 CNTCD FIELD 002,5,S,\$,ALPHA,? , 'COUNTRY' INCIDENT COUNTRY CODE  
 RTPKG FIELD 001,5,S,\$,ALPHA,? , 'RTE PKG' ROUTE PACKAGE AREA

REFER TO RTCOR FOR CODES

THE FOLLOWING ARE IN PERIODIC SET 6

PERIODIC SET SIX CONTAINS ALL COMMENTS FROM THE MESSAGES

COMNT FIELD 053,6,S,\$,ALPHA,? , 'COMMENTS'  
 CCNRP FIELD 001,6,S,\$,ALPHA,? , 'COMMENTS CARD NUMBER'  
 ENDS

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FILE DETAIL

A. THE FOLLOWING LISTS THE FIELDS/GROUP IN THE FILE FORMAT TABLE.

1. ~~MISSION DATE~~

FIELD/ GROUP				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	TABLE
---	F	6	MNTHS	SEE APPENDIX A

THIS FIELD CONTAINS DATE OF MISSION (YYMMDD).

2. ~~MISSION ID~~

FIELD/ GROUP				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	---
MISSION ID	F	5		ALPHA

THIS FIELD CONTAINS A UNIQUE MISSION ID ASSIGNED DAILY.

3. ~~SEQUENCE IDENTIFIER~~

FIELD/ GROUP				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	---
SEQUENCE IDENTIFIER	F	1	A-Z 1-9	ALPHA

THIS FIELD CONTAINS THE TARGET IDENTIFIER ASSIGNED AND NUMBERED SEQUENTIALLY BY THE LAUNCH UNIT FOR A MISSION.

4. ~~SORTIE SEQUENCE IDENTIFIER~~

FIELD/ GROUP				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	---
SORTIE SEQUENCE IDENTIFIER	F	1	A-Z 1-9	ALPHA

THIS FIELD CONTAINS A SORTIE SEQUENCE IDENTIFIER FOR EACH SORTIE-TYPE.

5. ~~LAUNCH UNIT IDENTIFIER~~

FIELD/ GROUP				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	---
LAUNCH UNIT IDENTIFIER	F	6	CB025	SEE APPENDIX A

THIS FIELD CONTAINS THE UNIT IDENTIFICATION CODE OF THE LAUNCH UNIT FOR SORTIE TYPE.

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6. ~~MESSAGE GROUP~~

FIELD/		CODE	DATA VALUES
ID	GROUP		
<del>MSNDT</del>	G	12	ALPHA

THIS GROUP CONTAINS THE FOLLOWING FIELDS: MSNDT, MSGID, TGTID, SRTID, LAUIC.

7. ~~MISSION PRIMARY FUNCTION~~

FIELD/		CODE	DATA VALUES
ID	GROUP		
<del>MSNF</del>	F	2	TABLE CB03S SEE APPENDIX A

THIS FIELD CONTAINS A TWO-DIGIT CODE DESCRIBING THE PRIMARY PURPOSE OF THE MISSION.

8. ~~MISSION SORTIE~~

FIELD/		CODE	DATA VALUES
ID	GROUP		
<del>MSNS</del>	F	2	TABLE CB03S SEE APPENDIX A

THIS FIELD CONTAINS A TWO-DIGIT CODE DESCRIBING THE PRIMARY PURPOSE OF THE SORTIE.

9. ~~TRANSACTION CLASSIFICATION~~

FIELD/		CODE	DATA VALUES
ID	GROUP		
<del>TRNC</del>	F	1	ALPHA S SECRET C CONFIDENTIAL

THIS FIELD CONTAINS THE CLASSIFICATION OF THE TRANSACTION CONTENTS.

10. ~~TRANSACTION CODE IDENTIFIER~~

FIELD/		CODE	DATA VALUES
ID	GROUP		
<del>TCID</del>	F	1	ALPHA C CORRECTION D DELETION BLANK NEW TRANSACTION

THIS FIELD CONTAINS THE TYPE OF TRANSACTION.

11. ~~MISSIONS ABBREVIATION NUMBER~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	TABLE
<del>MSNBR</del>	F	9	CB355	SEE APPENDIX A

THIS FIELD CONTAINS THE MISSION NUMBER.

12. ~~SERVICE SUPPORTED DESIGNATOR~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	TABLE
<del>SVGF</del>	F	1	CB345	SEE APPENDIX A

THIS FIELD CONTAINS THE CODE FOR BRANCH OF SERVICE.

13. ~~MISSION ORIGINALLY SCHEDULED~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	TABLE
<del>SCHED</del>	F	5	CB355	SEE APPENDIX A

THIS FIELD CONTAINS THE FOLLOWING DATA - CHARS. 1 = MAJOR PROGRAM, CONVERTED BY TABLE CB355, OUTPUT SIZE 14, 2 SEE APPENDIX A, CHARS. 3-4 = MISSION NUMBER CHAR. 5 = LETTER IDENTIFICATION.

14. ~~MISSION NICKNAME~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	---
<del>NICKNA</del>	F	14		ALPHA

THIS FIELD CONTAINS THE MISSION NICKNAME OR NAME OF THE COUNTRY TO WHICH THE MISSION IS DIRECTED.

15. ~~OPERATION SUPPORTED~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
---	---	---	---	---
<del>OPREP</del>	F	15		ALPHA

THIS FIELD CONTAINS THE NAME OF THE AIR, GROUND, SEA OR AMPHIBIOUS OPERATION SUPPORTED.

16. ~~COUNTRY OF ORIGIN~~

FIELD/ GROUP					LENGTH	CODE	DATA VALUES
					2	TABLE CTRYS	SEE APPENDIX 4

THIS FIELD CONTAINS THE MISSION/SORTIE COUNTRY ORIGIN CODE.

17. ~~SORTIES LAUNCH BASE/HULL NUMBER~~

FIELD/ GROUP					LENGTH	CODE	DATA VALUES
					10		ALPHA

THIS FIELD CONTAINS THE ICAN/HULL NUMBER, SORTIES LAUNCH BASE OR THE CARRIER LAUNCH BASE HULL NUMBER.

18. ~~TYPES OF AIRCRAFT~~

FIELD/ GROUP					LENGTH	CODE	DATA VALUES
					8		ALPHA

THIS FIELD CONTAINS THE TYPE OF THE SORTIE T/M/S AIRCRAFT.

19. ~~NUMBER OF AIRCRAFT~~

FIELD/ GROUP					LENGTH	CODE	DATA VALUES
					3		NUMERIC

THIS FIELD CONTAINS THE NUMBER OF AIRCRAFT FLYING THE SORTIE.

20. ~~TOTAL FLYING HOURS~~

FIELD/ GROUP					LENGTH	CODE	DATA VALUES
					4		NUMERIC

THIS FIELD CONTAINS TOTAL FLYING HOURS OF ALL AIRCRAFT IN A PARTICULAR SORTIE.

21. ~~MISSION TIME~~

FIELD/ GROUP					LENGTH	CODE	DATA VALUES
					8		NUMERIC

THIS FIELD CONTAINS TOTAL MISSION TIME. THE FIRST FOUR(4) CHARACTERS CONTAIN THE FIRST TIME OVER TARGET. THE SECOND FOUR(4) CHARACTERS CONTAIN THE LAST TIME OVER TARGET. THEY ARE REPORTED IN ZULU TIME.

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22.

~~TIME OF DAY~~  
FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~DAY~~ F 1 CB1SS SEE APPENDIX A

THIS FIELD CONTAINS THE ABOVE CODES TO SIGNIFY THE TIME OF DAY THAT THE SORTIE WAS FLOWN.

23. ~~TARGET CONTROL~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~CTRL~~ F 1 CB1SS SEE APPENDIX A

THIS FIELD CONTAINS THE CODE WHICH DESCRIBES THE TYPE OF CONTROL IN THE TARGET AREA USED TO DIRECT THE ATTACKING AIRCRAFT TO THE TARGET.

24. ~~ELECTRONIC WARFARE/RECONNAISSANCE EFFECTIVENESS~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~RECFF~~ F 1 CB1SS SEE APPENDIX A

THIS FIELD CONTAINS THE CODE WHICH INDICATES THE EFFECTIVENESS OF AN ELECTRONIC WARFARE/RECONNAISSANCE SORTIE.

25. ~~REFUELINGS COMPLETED~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~REFUE~~ F 2 NUMERIC

THIS FIELD CONTAINS THE NUMBER OF REFUELINGS COMPLETED BY TANKER AIRCRAFT.

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26. ~~SORTIE IDENTIFIER~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
-----	-----	-----	-----	-----
TYPE	F	1	S	ALPHA
			T	SORTIE SUMMARY
				TARGET ASSOCIATED

THIS FIELD CONTAINS THE CODE WHICH INDICATES IF THE SORTIE WAS TARGET ASSOCIATED OR NON-TARGET ASSOCIATED.

27. ~~SORTIE JUNCTION DESIGNATOR~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
-----	-----	-----	-----	-----
JND	F	1	S	ALPHA

THIS FIELD CONTAINS DATA FOR A PARTICULAR SORTIE-TYPE REPEATING DATA FOR THE SAME AIRCRAFT WHICH IS ON ANOTHER SORTIE UNDER THE SAME MISSION.

28. ~~OBJECTIVE TYPE CODE~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
-----	-----	-----	-----	-----
OBJT	F	2	CB06S	SEE APPENDIX A

THIS FIELD CONTAINS THE CODE FOR THE TARGET OBJECTIVE OR TYPE OF TARGET.

29. ~~TARGET COUNTRY~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
-----	-----	-----	-----	-----
CTRY	F	2	CTRYS	SEE APPENDIX A

THIS FIELD CONTAINS THE TARGET COUNTRY OR AREA CODE.

30. ~~IN-COUNTRY AREA/ROUTE AREA PACKAGE~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
-----	-----	-----	-----	-----
CRSP	F	1	CR36S	SEE APPENDIX A

THIS FIELD CONTAINS THE CODE FOR THE LOCATION OF A MAJOR PORTION OF A TARGET. IT CONSISTS OF IN-COUNTRY MISSIONS AND OUT-OF-COUNTRY MISSIONS.

31. ~~PROVENCECODE~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
				TABLE
<del>PROVC</del>	F	2	PROVS	SEE APPENDIX A

THIS FIELD CONTAINS INFORMATION APPLICABLE ONLY TO IN-COUNTRY TARGETS.

32. ~~POINT/SEGMENT/AREA TARGET~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>PTSEG</del>	F	1	A	ALPHA
			S	AREA TARGET
			P	ARMED RECCOE ROUTE
				POINT TARGET

THIS FIELD CONTAINS THE CONSIDERED TARGET INDICATOR AS GIVEN ABOVE.

33. ~~TYPE COORDINATES REPORTED~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>TYPECO</del>	F	1	L	ALPHA
			U	LAT/LONG
				UTM

THIS FIELD CONTAINS THE INDICATOR RELATING THE TYPE OF COORDINATES REPORTED.

34. ~~TARGET LOCATION COORDINATES (BEGIN)~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>POSTA</del>	F	15		COORDINATE

THIS FIELD CONTAINS THE TARGET COORDINATES AS GIVEN BELOW-

CHARS. 1-10 UTM COORDINATES, OR  
 CHARs. 1-5 LATITUDE-RECCOE TARGETS, AND  
 CHARs. 6-11 LONGITUDE-RECCOE TARGETS, OR  
 CHARs. 1-7 LATITUDE-POINT/ROUTE TARGETS, AND  
 CHARs. 8-15 LONGITUDE-POINT/ROUTE TARGETS

35. ~~COORDINATES DEGREES AND THOUSANDTHS~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>CORDA</del>	F	13		COORDINATE

THIS FIELD CONTAINS INFORMATION SIMILAR TO FIELD POSTA, EXCEPT COORDINATES ARE EXPRESSED IN DEGREES AND THOUSANDTHS.

36. ~~DEFENSE SIGHTING TERM/TURN POSITION~~

FIELD				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>POSTB</del>	F	15		COORDINATE

THIS FIELD CONTAINS THE TARGET BOMBING ENCYCLOPEDIA NUMBER IN CHARACTERS 1-12. REMAINING CHARACTER POSITIONS ARE THE SAME AS FIELD POSTB.

37. ~~DEFENSE SIGHTING DEGREES AND THOUSANDTHS~~

FIELD				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>POSTB</del>	F	13		COORDINATE

THIS FIELD CONTAINS INFORMATION SIMILAR TO FIELD POSTB, EXCEPT COORDINATES ARE EXPRESSED IN DEGREES AND THOUSANDTHS.

38. ~~DEFENSE SIGHTING TERM/TURN POSITION~~

FIELD				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>POSTC</del>	F	11		COORDINATE

THIS FIELD CONTAINS THE COORDINATES OF THE LOCATION OF ENEMY DEFENSE TYPE OBSERVED WHEN THE DEFENSE IS ENCOUNTERED ENROUTE TO OR FROM THE TARGET.

THE FOLLOWING INFORMATION IS GIVEN  
 CHARS. 1-11 UTM COORDINATES, OR  
 CHARS. 1-5 LATITUDE, AND  
 CHARS. 6-11 LONGITUDE

39. ~~DEFENSE SIGHTING DEGREES AND THOUSANDTHS~~

FIELD				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>POSTC</del>	F	13		COORDINATE

THIS FIELD CONTAINS INFORMATION SIMILAR TO FIELD POSTC, EXCEPT COORDINATES ARE EXPRESSED IN DEGREES AND THOUSANDTHS.

40. ~~DEFENSE SIGHTING TARGET NAME/DESCRIPTION/REF AREA/DEFINE POSITION (END)~~

FIELD				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>POSTD</del>	F	11		COORDINATE

THIS FIELD CONTAINS THE TARGET DESCRIPTION LOCATION.  
 CHARS. 1-11 UTM COORDINATES, OR  
 CHARS. 1-5 LATITUDE, AND  
 CHARS. 6-11 LONGITUDE

41. ~~POSTD IN DEGREES AND THOUSANDS~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~COORD~~ F 13 COORDINATE

THIS FIELD CONTAINS INFORMATION SIMILAR TO FIELD POSTD, EXCEPT COORDINATES ARE EXPRESSED IN DEGREES AND THOUSANDTHS.

42. ~~PRIMARY/SECONDARY TARGET~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~PRSEC~~ F 1  
1  
2 ALPHA PRIMARY SECONDARY

THIS FIELD CONTAINS THE PRIMARY/SECONDARY TARGET INDICATOR.

43. ~~TARGET TERRAIN TYPE~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~TERRA~~ F 1 TABLE TERRS SEE APPENDIX A

THIS FIELD CONTAINS THE CODE FOR TARGET TERRAIN TYPE. THE ENTRY MAY BE OMITTED IF UNKNOWN. CONVERSION OF CODE TO NAME MAY BE ACCOMPLISHED BY TABLE TERRS.

44. ~~WEATHER~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
~~WEATH~~ F 6 TABLE TORSS CR27S SEE APPENDIX A

THIS FIELD CONTAINS WEATHER INFORMATION.  
THE FIRST THREE (3) CHARACTERS RELATE CLOUD BASE IN HUNDREDS OF FEET.  
THE FOURTH(4) CHARACTER RELATES VISIBILITY IN MILES (STATUTE).  
THE FIFTH(5) CHARACTER, WEATH 5/5, RELATES THE TYPE OF WEATHER. IT MAY BE CONVERTED BY TABLE TORSS, OUTPUT SIZE 12. SEE APPENDIX A.  
THE SIXTH (6) CHARACTER RELATES THE DEGREE OF TARGET WEATHER. IT MAY BE CONVERTED BY TABLE CR27S, OUTPUT SIZE 4.

45. ~~CLOUD COVER TARGET WEATHER~~

FIELD/  
ID GROUP LENGTH CODE DATA VALUE  
--- --- --- ---  
~~CLWD~~ F 6 TABLE

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~~CLOUD~~ F 1 TCOVS SEE APPENDIX A

THIS FIELD CONTAINS THE DEGREE OF AREA CLOUD COVER. IT IS CONVERTED BY TABLE TCOVS OUTPUT SIZE 9.

46. ~~MISSION~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
				-----
	F	1	C	ALPHA
			T	COMPLETE MISSION
			I	INCOMPLETE RECORD
			P	PARTIAL MISSION

THIS FIELD CONTAINS THE RECORD STATUS CODE.

47. ~~CK-NUMBER~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
				-----
	F	3		ALPHA

THIS FIELD CONTAINS A THREE (3) DIGIT CARD DECK NUMBER OF THE REPORT SUBMITTED BY A REPORTING UNIT. CARD DECKS ARE NUMBERED SEQUENTIALLY STARTING WITH 001 FOR THE FIRST DECK CONTAINING DATA FOR EACH CALENDAR MONTH (ZULU).

48. ~~CREATE-DATE~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
				-----
	F	6		ALPHA

THIS FIELD CONTAINS THE CREATION DATE.

49. ~~JCS-NUMBER-RECORDED-TO-JCS~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
				-----
	F	3		ALPHA

THIS FIELD CONTAINS THE JCS DECK NUMBER.

50. ~~CHANGE-DATE~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
				-----
	F	6		ALPHA

THIS FIELD CONTAINS A RECORD DELETION CODE.

## 51. REPORTING CINC

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
[REDACTED] F 1 [REDACTED] ALPHA

THIS FIELD CONTAINS THE REPORTING CINC'S ABBREVIATION.

## 52. DEFENSE CARD NUMBER

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
[REDACTED] F 1 [REDACTED] NUMERIC

THIS FIELD CONTAINS THE SEQUENTIAL DEFENSE CARD NUMBER THAT IS ASSOCIATED WITH THE PARTICULAR TARGET/SORTIE COMBINATION.

## 53. ENROUTE DEFENSE COORDINATES

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
[REDACTED] F 11 [REDACTED] COORDINATE

THIS FIELD CONTAINS THE COORDINATES OF ENROUTE ENEMY DEFENSES ENCOUNTERED. IT IS EXPRESSED IN UTM COORDINATES OR LAT/LONG POSITION.

## 54. POST IN DEGREES AND THOUSANDTHS

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
[REDACTED] F 13 [REDACTED] COORDINATE

THIS FIELD CONTAINS INFORMATION SIMILAR TO FIELD POSTA, EXCEPT COORDINATES ARE EXPRESSED IN DEGREES AND THOUSANDTHS.

## 55. MISSION ALTITUDES

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
[REDACTED] F 5 [REDACTED] ALPHA

THIS FIELD CONTAINS INDICATORS DESCRIBING THE MISSION ALTITUDES. THE FIRST CHARACTER RELATES THE ALTITUDE MAINTAINED ENROUTE TO THE TARGET. THE SECOND CHARACTER RELATES THE ALTITUDE MAINTAINED IN THE TARGET AREA. THE THIRD CHARACTER RELATES THE BEGIN STRIKE ALTITUDE. THE FOURTH CHARACTER RELATES THE ESCAPE ALTITUDE, AND THE FIFTH CHARACTER RELATES THE ALTITUDE MAINTAINED FROM THE TARGET AREA.  
ALTITUDE CODES ARE DESCRIBED UNDER CHARACTER 7 OF FIELD RDATA.

NOTE - ANY CHARACTER IN THIS FIELD CAN USE C022S IF NEEDED.

## 56. ENEMY DEFENSE DATA

FIELD/  
ID GROUP LENGTH CODE DATA VALUES  
--- --- --- ---  
[REDACTED] F 1 [REDACTED] ALPHA

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ID	GROUP	LENGTH	CODE	DATA VALUES
			TABLE	
<del>RDATA</del>	F	16	(CB19S CB20S CB21S CB28S CB31S CB32S)	SEE APPENDIX A

THIS FIELD CONTAINS THE CODES RELATING THE CLASSIFICATION OR TYPE OF ENEMY DEFENSES ENCOUNTERED OR OBSERVED, NUMBER OF SPECIFIC TYPES OF DEFENSES OBSERVED OR ENCOUNTERED, AND CODE RELATING TO ENEMY DEFENSE FIRING DATA.

- CHARS. 1-2 DEFENSE CLASS/TYPE. IT IS CONVERTED BY TABLE CB19S, OUTPUT SIZE 16.  
 CHAR. 3-5 NUMBER DEFENSES OBSERVED.  
 CHAR. 6 OBSERVATION ALTITUDE (CHAR. 7 OF RDATA FIELD).  
 CHAR. 7 RESPONSE TIME (IN MINUTES) CB21S  
 CHAR. 8 TYPE FIRE. CB28S  
 CHAR. 9 INTENSITY OF FIRE. TABLE CBFIRS  
 CHAR. 10 ALTITUDE OF BURST (CHAR. 7 OF RDATA).  
 CHAR. 11-12 DISTANCE TO BURST (HUNDREDS OF FEET).  
 CHAR. 13 COLOR OF BURST. IT MAY BE CONVERTED BY TABLE CB32S, OUTPUT SIZE 8.  
 CHAR. 14 EVASIVE MANEUVERS. IT MAY BE CONVERTED BY TABLE CB31S.  
 CHAR. 15 CHAFF INDICATION

	CODE	DATA VALUE
	H	HEAVY OVER 500 LBS.
	L	LIGHT LESS THAN 100 LBS
	M	MEDIUM 100-500 LBS.
	N	NO CHAFF USED

57. ~~RELATED DEFENSE CARD NO.~~

ID	GROUP	LENGTH	CODE	DATA VALUES
	F	1		NUMERIC

THIS FIELD CONTAINS THE DEFENSE CARD NUMBER RELATING IT TO A PARTICULAR ENEMY DEFENSE CARD. IF NO RELATION IS NECESSARY, THIS FIELD WILL BE PLANK.

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## 58. NO. OF AIRCRAFT IN TACTICAL UNIT/AIRCRAFT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
SN	F	1		NUMERIC

THIS FIELD CONTAINS THE NUMBER OF AIRCRAFT COMPRISING THE TACTICAL UNIT REPORTING THE MISSILE ATTACK.

## 59. TACTICAL UNIT/GROUP FORMATION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TT				TABLE
GR	F	6	CBOIS	SEE APPENDIX A

THIS FIELD CONTAINS THE TACTICAL UNIT/GROUP INFORMATION. THE FIRST CHARACTER RELATES THE TACTICAL UNIT FORMATION. CODE CONVERSION THROUGH TABLE CBOIS, OUTPUT SIZE 15. THE SECOND CHARACTER RELATES THE HORIZONTAL SPACING IN THE FORMATION IN HUNDREDS OF FEET. THE THIRD CHARACTER RELATES THE VERTICAL SPACING IN THE FORMATION IN HUNDREDS OF FEET. THE FOURTH CHARACTER RELATES THE FORMATION OF THE TACTICAL UNIT. CODE CONVERSION THROUGH TABLE CBOIS, OUTPUT SIZE 15. THE FIFTH CHARACTER RELATES THE HORIZONTAL SPACING OF THE TACTICAL UNITS IN THOUSANDS OF FEET. THE SIXTH CHARACTER RELATES THE VERTICAL SPACING OF THE TACTICAL UNITS IN THOUSANDS OF FEET.

## 60. MISSILE ATTACK DATA

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
				TABLE
MADK	F	6	C833S	SEE APPENDIX A

THIS FIELD CONTAINS THE MISSILE ATTACK DATA AS FOLLOWS--THE FIRST CHARACTER RELATES THE MEANS BY WHICH THE AIRCRAFT WAS INITIALLY WARNED OF THE ATTACKING MISSILE AND INITIATED EVASIVE MANEUVERS. CODE CONVERSION THROUGH TABLE C833S, OUTPUT SIZE 15. THE SECOND CHARACTER RELATES THE EVASIVE MANEUVER EXECUTED BY THE AIRCRAFT TO AVOID THE ATTACKING MISSILES (CHAR 14 OF FIELD RDATA). THE THIRD CHARACTER INDICATES THE MAINTENANCE OF THE INTEGRITY OF THE FORMATION THAT WAS MAINTAINED, 'S' FOR SEPARATED. THE FOURTH CHARACTER RELATES THE END OF EVASIVE MANEUVER ALTITUDE (CHAR. 7 OF FIELD RDATA).

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61. ~~MISSED APPROXIMATE TIME~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>RECORD</del>	F	11		ALPHA

THIS FIELD CONTAINS IN CODED FORM THE TIME IN SECONDS FROM INITIAL WARNING OF MISSILE ATTACK TO THE CLOSEST POINT OF APPROACH TO THE AIRCRAFT, THE RELATIVE POSITION OF THE MISSILE TO THE AIRCRAFT, AND THE CLOSEST POINT OF APPROACH TO THE AIRCRAFT IN FEET, AS GIVEN BELOW-

CHARS. 1-3 CLOSEST POINT OF APPROACH IN SECOND.

CHARS. 4-9 MISSILE POSITION (CLOCK POSITIONS, RELATIVE POSITION OF MISSILE, E.G. A-ABOVE, B-BELOW, L-LEVEL) AND DISTANCE IN TENTHS OF MILES).

CHARS. 10-11 CLOSEST POINT OF APPROACH IN HUNDREDS OF FEET.

62. ~~MISSED APPROXIMATE AIRCRAFT POSITION~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>RECORD</del>	F	6		ALPHA

THIS FIELD CONTAINS A DESCRIPTION OF THE POSITION OF AN ATTACKING AIRCRAFT TO THE REPORTING AIRCRAFT. THE FIRST TWO (2) CHARACTERS CONTAIN THE CLOCK CODE. THE THIRD(3) CHARACTER CONTAINS THE RELATIVE CLOCK POSITION OF THE ATTACKING AIRCRAFT A-ABOVE, B-BELOW, L-LEVEL. THE FOURTH, FIFTH AND SIXTH (4-6) CHARACTERS RELATE THE DISTANCE IN TENTHS OF MILES.

63. ~~MISSILE APPROXIMATE TIME~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>RECORD</del>	F	6		NUMERIC

THIS FIELD CONTAINS THE MISSILE ATTACK TIME. THE FIRST THREE (1-3) CHARACTERS RELATING THE TIME IN SECONDS REQUIRE FOR THE AIRCRAFT TO COMPLETE ITS EVASIVE MANEUVER. THE LAST THREE (4-6) CHARACTERS RELATE THE TIME IN SECONDS FROM THE COMMENCEMENT OF THE EVASIVE MANEUVER TO THE CLOSEST POINT OF MISSILE APPROACH.

64. ~~VISUAL MISSILE CONTROL~~

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>RECORD</del>	F	1		ALPHA
			Y	YES
			N	NO

THIS FIELD CONTAINS AN INDICATOR AS TO WHETHER THERE EXISTED AN OBSTRUCTION TO VISIBILITY, SUCH AS CLOUDS, WHICH PRECLUDED VISUAL MISSILE FIRE CONTROL.

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65. ~~PERFORMANCE LOAD TYPE~~

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
<del>LCDID</del>	F	1	N	ALPHA
			P	EXPLANATION FOLLOWS
				EXPLANATION FOLLOWS

ARNDL  
3

THIS FIELD CONTAINS THE LOAD TYPE IDENTIFIER.

- W. IF THE LOAD DESCRIBED IS ASSOCIATED WITH ORDNANCE AGAINST A TARGET.
- R. IF THE SORTIE DESCRIBED IS FOR RECONNAISSANCE, ECM OR OTHER NON-ORDNANCE AIRCRAFT.
- C. IF THE LOAD DESCRIBED IS ASSOCIATED WITH AN AIRLIFTET (CARGO OR PASSENGER).

66. ~~LOAD SEQUENTIAL NUMBER~~

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
<del>LSN</del>	F	1		ALPHA

THIS FIELD CONTAINS A SEQUENTIAL NUMBER IN RELATION TO THE LAST ONE USED IN REPORTING ORDNANCE LOAD.

67. ~~ORDNANCE LOAD/CANNON/ECM EQUIPMENT CLASS/TYPE~~

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
<del>OTYPE</del>	F	7	CROSS	SEE APPENDIX A
			CB305	

THIS FIELD CONTAINS THE CODED IDENTIFICATION FOR THE TYPE OF MACHINEGUN/CANNON DELIVERING THE LOAD TYPE, THE CLASS OF ECM EQUIPMENT USED BY THE SORTIE-TYPE, AND THE PARTICULAR TYPE OF ORDNANCE EXPENDED OR EQUIPPED EMPLOYED BY ALL AIRCRAFT OF THE SORTIE TYPE, AS GIVEN BELOW ALSO, REFER TO FIELD LCDID.

ORDNANCE- (CHAR 'W', LCDID FIELD)

CHAR. 1 BLANK

CHARS. 2-4 ORDNANCE-MACHINE GUN/CANNON TYPE  
IT IS CONVERTED BY TABLE CB305.

CHARS. 5-7 ORDNANCE TYPE

ECM EQUIPMENT- (CHAR 'R', LCDID FIELD)

CHAR. 1 ECM EQUIPMENT CLASS IS CONVERTED BY TABLE CROSS, OUTPUT SIZE 20.

CHARS. 2-4 BLANK

CHARS. 5-7 ECM-EQUIPMENT TYPE

IT IS CONVERTED BY TABLE CB295.

CARGO -

CHAR. 1 CAR-LOAD CATEGORY (CHAR 'C', LCDID FIELD).

CHARS. 2-7 BLANK

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## ✓ 68. QTY DELIVERED

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
QQUAN	F	4		NUMERIC

THIS FIELD CONTAINS THE QUANTITY OF ORDNANCE DELIVERED FOR LCDID EQ W.  
 IF LCDID EQ C THE FIELD CONTAINS QUANTITY OF CARGO DELIVERED IN SHORT  
 TONS. OTHERWISE THE FIELD IS ZERO. ADDED BY CINCPAC JAN 1970.  
 THIS FIELD IS NOT PRESENT PRIOR TO JAN 1970.

## ✓ 69. QTY JETTISONED

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
QJETAN	F	3		NUMERIC

THIS FIELD CONTAINS THE QUANTITY OF ORDNANCE JETTISONED WHEN LCDID EQ W.  
 IF LCDID IS OTHER THAN W OR C THE FIELD IS ZERO. FOR THE CASE WHEN  
 LCDID EQUAL C SEE DISCUSSION OF LQUAN. ADDED BY CINCPAC JAN 1970.  
 THIS FIELD IS NOT PRESENT PRIOR TO JAN 1970.

## ✓ 70. QTY RETURNED

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
QRDAN	F	3		NUMERIC

THIS FIELD CONTAINS THE QUANTITY OF ORDNANCE RETURNED WHEN LCDID EQ W.  
 LCDID EQUAL C SEE DISCUSSION OF LQUAN. ADDED BY CINCPAC JAN 1970.  
 IF LCDID IS OTHER THAN W OR C THE FIELD IS ZERO. FOR THE CASE WHEN  
 THIS FIELD IS NOT PRESENT PRIOR TO JAN 1970.

## ✓ 71. LOADS

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
LQUAN	G	10		NUMERIC

THIS GROUP CONTAINS THE PRECEDING THREE FIELDS. WHEN LCDID EQ C POS-  
 ITIONS 5-10 CONTAIN TON/PASSENGER MILES. CHANGED BY CINCPAC JAN 1970.  
 THIS GROUP IS A FIELD PRIOR TO JAN 1970.

## ✓ 72. ORDNANCE WEIGHT

FIELD/		LENGTH	CODE	DATA VALUES
ID	GROUP			
LWTAN	F	4		NUMERIC

THIS FIELD CONTAINS THE WEIGHT IN POUNDS OF A INDIVIDUAL ITEM OF  
 ORDNANCE AS REPORTED IN CHARS. 5-7 LTYPF FIELD.

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73. ~~LOAD CLASS~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
<del>LCLSS</del>	F	2	LDTNS	SEE APPENDIX A

THIS FIELD CONTAINS OUTPUT FROM THE SUBROUTINE LDTNS - LOAD CLASS.

74. ~~LOAD TONNAGE~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
<del>LCLSS</del>	F	9	LDTNS	SEE APPENDIX A

THIS FIELD CONTAINS OUTPUT FROM THE SUBROUTINE LDTNS - LOAD TONNAGE.

75. ~~ECM EQUIPMENT FREQUENCIES~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
<del>LCLSS</del>	F	10	C804S	SEE APPENDIX A
			C840S	

THIS FIELD CONTAINS THE EQUIPMENT MODE, MINIMUM, MAXIMUM FREQUENCIES, AND THE BANDWIDTH OF THE ECM LOAD FREQUENCIES.

CHARS. 1-3 ECM-EQUIPMENT MODE, CONVERTED BY TABLE C804S, OUTPUT SIZE 12 SEE APPENDIX 'A'

CHARS. 4-6 ECM-MAX RADIO FREQUENCY (HUNDREDS OF MCS)

CHARS. 7-9 ECM-MIN RADIO FREQUENCY (HUNDREDS OF MCS)

CHAR. 10 ECM-BAND WIDTH, CONVERTED BY TABLE C840S, OUTPUT SIZE 12. SEE APPENDIX 'A'

76. ~~PERIODIC CARD TYPE~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
<del>RCLSS</del>	F	1	A	ALPHA
			B	CRONANCE
			E	ECM ACTIVITY

Periodic

4

THIS FIELD CONTAINS THE CODES WHICH INDICATE THE TYPE OF DATA THAT IS IN PERIODIC SET FOUR (4).

77. ~~REPORTING SOURCE~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
<del>RCLSS</del>	F	1	C810S	SEE APPENDIX A
			TABLE	

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THIS FIELD CONTAINS THE RESULTS REPORTING SOURCE. IT IS CONVERTED BY TABLE CB10S, OUTPUT SIZE 7, AS SHOWN ABOVE.

78. ~~ECM INFORMATION~~

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	---	---	TABLE	
			CB04S	
			CB11S	SEE APPENDIX A
			CB12S	
			CB22S	
			CB23S	

THIS FIELD CONTAINS A CODED DESCRIPTION OF THE TACTICS USED TO ACHIEVE THE DESCRIBED RESULT. IF 'C', THREE SETS OF 14 COLUMNS OF DATA ARE USED. IF 'E', TWO SETS OF 25 COLUMNS OF DATA ARE USED BASED ON RCDID. CHAR. 1 ORD-TACTIC USED TO ACHIEVE DESIRED RESULTS BY TABLE CB11S, OUTPUT SIZE 9. SEE APPENDIX 'A'.  
 CHARS. 4-5 ORD-STRIKE INTERVAL IN HUNDREDS OF YARDS.  
 CHAR. 6 STRIKE GROUPING S FOR SIMULTANEOUSLY, 1-9 FOR THE NUMBER OF AIRCRAFT IN AN INCREMENT.  
 CHAR. 7 ORD-WEAPONS RELEASE ALTITUDE OF THE STRIKE AIRCRAFT. IT IS CONVERTED BY TABLE CB22S, OUTPUT SIZE 5, SEE APPENDIX 'A'.  
 CHAR. 8 ORD-MINIMUM ALTITUDE ABOVE GROUND LEVEL ACHIEVED WHILE EXECUTING A TACTIC. IT IS THE SAME TYPE INFORMATION AS CHAR. 7.  
 CHAR. 9 ORD-MAXIMUM SPEED RELATES THE MAXIMUM SPEED ATTAINED BY THE ATTACKING AIRCRAFT WHILE EXECUTING THE TACTIC. IT IS CONVERTED BY TABLE CB23S, OUTPUT SIZE 7. SEE APPENDIX 'A'.  
 CHARS. 10-13 ORD-TARGET ELEMENT INDICATES THE SPECIFIC TARGET ELEMENT BEING REPORTED. THE FIRST TWO CHARACTERS (10-11) CONTAIN THE MAJOR TARGET TYPE CODE. THE LAST TWO CHARACTERS (12-13) CONTAIN THE DETAILED DESCRIPTION CODE OF THE ELEMENT. IF NO DETAILED DESCRIPTION IS AVAILABLE THE LAST TWO POSITIONS (12-13) WILL BE BLANK. TO RELATE TARGET ELEMENT CODE (10-13) TO NAME USE TABLE CB06S, OUTPUT SIZE 20. SEE APPENDIX 'A'.  
 CHAR. 14 ORD-BOMB DAMAGE ASSESSMENT CB12S.  
 CHARS. 1-8 ECM-ELECTRONIC ACTIVITY CONTAINS A DESCRIPTION OF THE UNUSUAL OR ACTIVE ELECTRONIC ACTIVITY ENCOUNTERED BY THE SORTIE TYPE. THE FIRST TWO CHARACTERS (1-2) CONTAIN THE CODED IDENTIFIER OF THE SPECIFIC TARGET OBJECTIVE TYPE. CONVERSION TO NAME MAY BE ACCOMPLISHED THROUGH TABLE CB06S, OUTPUT SIZE 20. THE THIRD AND FOURTH CHARACTERS (3-4), IF PRESENT, INDICATE AN ENCOUNTER WITH GROUND GUN-LAYING RADAR. 'S' IN THE THIRD CHARACTER IF THE RADAR, WHEN ENCOUNTERED, WAS IN THE SEARCHING MODE. 'T' IN THE FOURTH CHARACTER IF THE RADAR WAS IN THE TRACKING MODE, AND 'ST' IN THE THIRD AND FOURTH CHARACTER IF, WHEN ENCOUNTERED, THE RADAR WAS IN SEARCHING MODE AND LATER SWITCHED TO TRACKING MODE. THE FIFTH AND SIXTH CHARACTERS (5-6), IF PRESENT, INDICATE AN ENCOUNTER WITH A SURFACE-TO-AIR MISSILE SYSTEM. 'A' IN THE FIFTH CHARACTER IF THE MISSILE SYSTEM WAS IN THE ACQUISITION MODE. 'G' IN THE SIXTH CHARACTER IF THE MISSILE SYSTEM WAS IN GUIDANCE MODE, AND

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'AG' IN THE FIFTH AND SIXTH POSITION IF THE MISSILE SYSTEM WAS IN THE ACQUISITION MODE AND LATER SWITCHED TO THE GUIDANCE MODE. THE SEVENTH AND EIGHTH CHARACTERS (7-8), IF PRESENT, INDICATE AN INTERCEPT OF ELECTRONIC ACTIVITY EMITTED FROM AN AIRBORNE SOURCE. 'S' IN THE SEVENTH CHARACTER IF THE ELECTRONIC ACTIVITY ENCOUNTERED WAS IN THE SEARCHING MODE. 'T' IN THE EIGHTH CHARACTER IF THE ELECTRONIC ACTIVITY WAS IN THE TRACKING MODE, AND 'ST' IN THE SEVENTH AND EIGHTH CHARACTERS (7-8) IF THE ELECTRONIC ACTIVITY, WHEN ENCOUNTERED, WAS IN THE SEARCHING MODE AND LATER SWITCHED TO THE TRACKING MODE.

CHARS. 9-12 ECM-COUNTERMEASURES CONTAINS AN INDICATION OF THE COUNTERMEASURES THAT WERE UTILIZED IN RESPONSE TO THE ENEMY ELECTRONIC ACTIVITY. THE FIRST CHARACTER, IF PRESENT, IS 'A' FOR ACTIVE NOISE JAMMERS. THE SECOND CHARACTER, IF PRESENT, IS 'D' FOR DECEPTIVE JAMMERS. THE THIRD CHARACTER, IF PRESENT, IS 'C' FOR CHAFF UTILIZED, AND THE FOURTH CHARACTER, IF PRESENT, IS 'O' FOR OTHER TYPES OF COUNTERMEASURES USED.

CHARS. 13-16 ECM-TIME OF INTERCEPT IN ZULU TIME,

CHARS. 17-20 ECM-TIME COUNTERMEASURES ON IN ZULU TIME,

CHARS. 21-24 ECM-TIME COUNTERMEASURES OFF IN ZULU TIME.

CHAR. 25 ALTITUDE IS THE SAME AS CHAR. 7 QFD-RELEASE ALTITUDE.

79. DATA NUMBER OF ELEMENTS AFFECTED

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>NUMBER</del>	F	2		NUMERIC

THIS FIELD CONTAINS THE NUMBER OF TARGET ELEMENTS AFFECTED.

80. RESULTS CARD NUMBERS

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>RESULTS</del>	F	1		ALPHA

THIS FIELD CONTAINS INFORMATION WHICH ALLOWS FOR ADDITIONAL REPORTING OF RESULTS ON TWO OTHER TARGET ELEMENT TYPES. IF MORE THAN A TOTAL OF THREE ELEMENT TYPES ARE ATTACKED AT A TARGET ADDITIONAL RESULTS CARDS ARE SUBMITTED, AND THEY MUST BE NUMBERED CONSECUTIVELY.

81. AIR INCIDENT CARD SEQUENCE NUMBER

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES
<del>AIRONR</del>	F	1		ALPHA

THIS FIELD CONTAINS A CODE IF MORE THAN ONE AIR INCIDENT CARD IS SUBMITTED PER TARGET CARD.

82. AIRCRAFT INCIDENT TYPE

FIELD/				
ID	GROUP	LENGTH	CODE	DATA VALUES

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	F	1		
A				ALPHA
S				INITIAL
S				SUBSEQUENT
L				ACRF LOST DUE TO ENEMY ACTION

THIS FIELD CONTAINS INFORMATION INDICATING THE TYPE OF INCIDENT.

83. 08 [REDACTED] FORCE ACCOMPLISHED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]	F	2	F	ALPHA
			S	FRIENDLY
			E	ENEMY
			Y	YES
			N	NO
			U	UNKNOWN

THIS FIELD CONTAINS THE FORCE EFFECTED AND THE OBJECTIVE ACCOMPLISHED.

84. [REDACTED]

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]				TABLE
DAD	F	4	CB000	SEE APPENDIX A
			CB255	
			CB265	

THIS FIELD CONTAINS THE CODES RELATING THE TYPE OF INCIDENT OCCURRING TO FRIENDLY AIRCRAFT WHETHER AIRBORNE OR ON THE GROUND, THE CAUSE OF THE INCIDENT OCCURRING TO FRIENDLY AIRCRAFT LOST, DAMAGED, ABORTED, DIVERTED, AND THE LOSS CAUSE, AS GIVEN BELOW-

CHAR. 1 L/D/A/D CODE IS CONVERTED BY TABLE CB255, OUTPUT SIZE 4.

CHARS. 2-3 CAUSE OF L/D/A/D. IT IS CONVERTED BY TABLE CB255, OUTPUT SIZE 15.  
SEE APPENDIX A

CHAR. 4 LOSS CAUSE- THE FINAL CAUSE THAT RESULTS IN THE LOSS OF AN AIRCRAFT. IT IS CONVERTED BY TABLE CB000, OUTPUT SIZE 15.

85. [REDACTED] SURVIVAL TIME

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]				TABLE
	F	1	CB000	SEE APPENDIX A

THIS FIELD CONTAINS CODES RELATING AIRCRAFT SURVIVAL TIME. IT INDICATES THE LENGTH OF TIME THAT ELAPSES BETWEEN A LOST AIRCRAFT BEING HIT AND THE AIRCRAFT ENTERING INTO UNCONTROLLABLE FLIGHT. CODE CONVERSION

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THROUGH TABLE CROSSES, OUTPUT SIZE 15.

86. ~~ENEMY AIRCRAFT TYPE~~

ID	GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]	F	6		ALPHA

THIS FIELD CONTAINS THE TYPE/MODEL SERIES OF ENEMY AIRCRAFT AFFECTED.

87. ~~NUMBER AIRCRAFT AFFECTED~~

ID	GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]	F	2		NUMERIC

THIS FIELD CONTAINS THE TOTAL NUMBER OF AIRCRAFT LOST, DAMAGED, ABORTED OR DIVERTED BY THE INCIDENT DESCRIBED.

88. ~~INCIDENT POSITION~~

ID	GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]	F	11		COORDINATE

THIS FIELD CONTAINS THE COORDINATES OF THE LOCATION OF THE INCIDENT, IF THE INCIDENT DESCRIBED INVOLVES LOSS OR DAMAGE.

CHARS. 1-11 UTM COORDINATES, OR

CHARS. 1-5 LATITUDE, AND

CHARS. 6-11 LONGITUDE

89. ~~ALTITUDE IN DEGREES AND THOUSANDS~~

ID	GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]	F	11		COORDINATE

THIS FIELD CONTAINS COORDINATES THAT ARE CONVERTED INTERNALLY BY THE COMPUTER SYSTEM TO DEGREES AND THOUSANDS IN ORDER TO FACILITATE AD-HOC QUERIES AGAINST CIRCLE SEARCHES AND OVERLAP SEARCHES.

90. ~~ALTIMETER READ AND SPEED DATA~~

ID	GROUP	LENGTH	CODE	DATA VALUES
[REDACTED]	F	2		ALPHA

THIS FIELD CONTAINS THE CODED ALTITUDE AND AIRSPEED OF THE AIRCRAFT AT THE TIME OF THE INCIDENT. THE FIRST CHARACTER (1) RELATES ALTITUDE WITH CHAR. 7 OF RDATA. THE SECOND CHARACTER (2) RELATES AIRSPEED WITH CHAR. 9 OF RDATA.

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## 91. CREW STATUS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
CB010	F	4		NUMERIC

THIS FIELD CONTAINS THE STATUS OF THE CREW OF THE AIRCRAFT AFFECTED BY THE INCIDENT.

- CHAR. 1 NUMBER KILLED
- CHAR. 2 NUMBER MISSING
- CHAR. 3 NUMBER CAPTURED
- CHAR. 4 NUMBER RECOVERED

## 92. INCIDENT TIME

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
	F	5		NUMERIC

THIS FIELD CONTAINS THE MISSILE ATTACK TIME OF INCIDENT AND THE ELAPSED TIME OVER ENEMY DEFENSE. THE FIRST FOUR CHARACTERS (1-4) RELATE THE INCIDENT TIME. THE LAST TWO CHARACTERS (5-6) RELATE THE TIME IN SECONDS, SPENT OVER THE ENEMY DEFENSE, IF THE INCIDENT IS A COMBAT LOSS OR DAMAGE.

## 93. MISSION STAGE/TACTIC

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
			TABLE	
TACT	F	3	CB07S CB11S	SEE APPENDIX A

THIS FIELD CONTAINS CODED DATA TO RELATE THE MISSION STAGE INCIDENT TACTIC AND ALSO THE PASS NUMBER. THE FIRST CHARACTER RELATES THE MISSION STAGE. CODE CONVERSION THROUGH TABLE CB07S, OUTPUT SIZE 10. THE SECOND CHARACTER (2) RELATES THE TACTIC IN WHICH THE AIRCRAFT WAS ENGAGED AT THE TIME OF THE INCIDENT. CODE CONVERSION THROUGH CB11S, OUTPUT SIZE 9. SEE APPENDIX 'A'.

THE THIRD CHARACTER POSITION(3) INDICATES THE NUMBER OF THE PASS ON THE TARGET WHICH WAS BEING MADE BY THE AIRCRAFT AT THE TIME OF INCIDENT.

## 94. AF [REDACTED] AIRCRAFT SERIAL NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
S/N/R	F	5		ALPHA

THIS FIELD CONTAINS THE SERIAL/BUREAU NUMBER OF A FRIENDLY AIRCRAFT THAT HAS INCURRED COMBAT OR OPERATIONAL LOSS OR DAMAGE.

## 95. INCIDENT COUNT

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ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
0100	F	2		ALPHA

THIS FIELD RELATES THE INCIDENT COUNTRY.

96. ~~ROUTE~~ (ROUTE PACKAGE)  

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
0100				TABLE
RTLOCN	F	1	CHRS	SEE APPENDIX A

THIS FIELD CONTAINS INCIDENT LOCATION. REFER TO RTLOC FOR CODES.

97. ~~COMMENTS~~  
*Periodic b*  

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
0100	F	53		ALPHA

THIS FIELD CONTAINS COMMENTS OR AMPLIFICATION OF INFORMATION SUBMITTED  
RELATIVE TO EACH MISSION. COMMENTS ARE GIVEN IN NARRATIVE FASHION.  
THIS DATA MAY BE OMITTED.

98. ~~COMMENTS CARD NUMBER~~  

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
0100	F	1		ALPHA

THIS FIELD CONTAINS THE COMMENTS CARD NUMBER, NUMBERED CONSECUTIVELY  
FROM 1 THRU 6. WHEN COMMENTS ARE NOT APPLICABLE THIS DATA IS OMITTED.  
ALSO REFER TO COMNT.

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CACTA TABLES

TABLE 'CB018' CONVERTS A ONE CHARACTER CODE TO A FIFTEEN CHARACTER  
UNIT FORMATION.

TABLE C0018  
TUNES - TACTICAL UNIT FORMATION CODE  
FIELD - GRPM 1/1, 4/4

A	NORMAL SECTION
B	NORMAL DIVISION
C	OPEN DIVISION
D	DIAMOND
E	SPECIAL NR 1
F	SPECIAL NR 2
G	COLUMN
H	ABREAST
I	ECHELON
J	UNKNOWN

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TABLE "CBG2S" CONVERTS A ONE CHARACTER CODE TO A TWENTY CHARACTER HEADQUARTERS.

TABLE

CBG2S

SCHUS - SCHEDULING HQTRS CODE

FIELD - MSNID 1/1, LAUIC 1/1

A	AMERICA
B	BON HOMME RICHARD
C	CONSTELLATION
D	F D ROOSEVELT
E	ENTERPRISE
F	FORRESTAL
G	SHANGRI LA
H	HANCOCK
I	INTREPID
J	USAF
K	KITTYHAWK
L	CORAL SEA
M	USMC
N	USN
P	INDEPENDENCE
R	RANGER
S	SARATOGA
T	TICONDEROGA
V	VNAF
W	USA
Z	MIDWAY

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TABLE 'CB03S' CONVERTS A TWO CHARACTER CODE TO A TWENTY CHARACTER MISSION/SORTIE FUNCTION.

TABLE	CB03S
	CB03S - MISSION/SORTIE FUNCTION CODE
	FIELD - MFUNC+SFUNC
01	STRIKE
02	FLAK SUPPRESSION
03	AIR INTERDICTION
04	ARMED RECCE
05	CLOSE AIR SUPPORT
06	DIRECT AIR SUPPORT
07	MIG CMBT AIR PATROL
08	SHTP CMST AIR PATROL
09	SAR CMBT AIR PATROL
10	DEF CMBT AIR PATROL
11	RES CMBT AIR PATROL
12	BAR CMBT AIR PATROL
13	TAR CMBT AIR PATROL
14	ELINT
15	ECONINT
16	INFRA-RED RECCE
17	SLAR RECCE
18	VISUAL RECCE
19	RADAR RECCE
20	PHOTO RECCE
21	WEATHER RECCE
22	HANDHELD PHOTO RECCE
23	HYDRO ACCUST RECCE
24	OPTICAL RECCE
25	LATE-LIGHT RECCE
26	RADIOMETER RECCE
27	SPECTROMETER RECCE
28	TELEPLIGHT RECCE
29	TELEVISION RECCE
30	TELEMETRY RECCE
31	ULTRA-VIOLET RECCE
32	FLFET AREA RECCE
33	MOTION PICTURE RECCE
34	RADIC DIRECT FINDER
35	ESCORT/COVER
36	FAC/TAC
37	FLARE DROP
38	PSYCHOLOGIC WARFARE
39	ECM
40	ECCM
41	AEW
42	SEARCH/RESCUE
43	AIR REFUELING
44	ARMED HELICOPTER
45	COMMAND/CONTROL
46	COMBAT TROOP CARRYING

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47 COMBT CARGO CARRYING  
48 LOG TROOP CARRYING  
49 LOG CARGO CARRYING  
50 ADMINISTRATIVE  
51 LIASON  
52 TRAINING  
53 MAINTENANCE  
54 AIRBORNE ALERT  
55 RADIO RELAY  
56 DEFOL/DEFOL SURVEY  
57 ARTILLERY ADJUST  
58 AIR EVAC/NONTACTIC  
59 ACTIVE AIR DEFENSE  
60 COMBT TROOP AIR DROP  
61 COMBT CARGO AIR DROP  
62 COMBT TROOP AIR LAND  
63 COMBT CARGO AIR LAND  
64 ESCORT-RECON  
65 CASUALTY EVACUATION  
66 PATH FINDER  
67 SMOKE SCREEN  
68 HELC ESCORT  
69 COMBAT OBSERVATION  
70 POSITIONING  
71 DE-POSITIONING  
72 EXTRACTION (PLADS)  
73 EXTRACTION (LAPES)  
74 EXTRACTION (GPES)  
75 WEATHER EVACUATION  
76 LANDING ZONE PREP  
77 LANDING ZONE CONST  
78 AIRLIFT  
79 AERIAL MINING  
80 MUDY  
81 SEDY  
82 LLLTV STRIKE  
83 LLLTV RECCF  
84 TARCON  
85 SEMO  
86 FRIENDLY A/C TO/L  
87 FRIENDLY A/CD TO/L  
88 OTHER  
89 FRIENDLY A/C DAM GND  
90 FRIENDLY A/C DES GND

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TABLE 'CB04S' CONVERTS A ONE CHARACTER CODE TO AN EIGHT CHARACTER  
ECM MODE.

TABLE CB04S  
ECMDS - ECM MODE CODE  
FIELD - LDECM 1/3

0	OFF
1	ON
2	WARNING
3	HOMING
4	RFC ONLY
5	TRANSMIT
6	SPOT
7	BARRAGE
8	TX STBY
9	EQ Malf
A	REPEAT
B	INTERRG

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TABLE "CB05S" CONVERTS A ONE CHARACTER CODE TO A TWENTY CHARACTER  
ECM LOAD CLASS.

TABLE CB05S  
CB05S - ECM LOAD CLASS CODE  
FIELD - LCLAS

C	CHAFF
D	COUNTERMEASURES POD
H	PASS REC/HOMING OPT
I	ACFT IDENT EQUIP
K	CAMERAS
M	MODULATOR
N	ACT RAD DEV - NOISE
P	PASSIVE RECEIVER
T	NOISE/DECEPT TRANS
W	ACT RAD DEV-PULSE/CW

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TABLE 'CBO6S' CONVERTS A TWO CHARACTER CODE TO A TWENTY-THREE CHARACTER TARGET OBJECTIVE FOR USE WITH FIELD 'TGOBJ', AND A FOUR CHARACTER CODE TO A TWENTY-THREE CHARACTER TARGET ELEMENT FOR USE WITH FIELD 'RDATA'.

TABLE	CBO6S
	CBO6S - FIXED TARGET CODES
	FIELD TGOBJ 1/2, RDATA 10/13
AA	AA/AAA SITE
AAAW	AUTOMATIC WEAPONS
AAFC	COAST GUN EMPLACEMENTS
AAFL	FLAK TRAP
AAGD	ARTILLERY GROUND
AASA	SURFACE - AIR MISSLE
AASM	SMALL ARMS
AASP	SAM SUPPORT FACILITY
AASS	SUSPECTED SAM SITE
AAS1	S41
AAS2	S42
AAS3	S43
AACO	100MM
AA23	22MM
AA37	37MM
AA57	57MM
AA85	85MM
AC	AIRCRAFT
ACBM	BOMBER
ACDU	DUMMY
ACFF	FIGHTER
ACHE	HELICOPTER
ACNA	NON-US/NON ALLIED ACFT
ACTB	TRAINER
ACTC	TRANSPORT
AC15	MIG-15
AC17	MIG-17
AC19	MIG-19
AC21	MIG-21
AF	AIR FIELD
AN	ANCHORAGE
AR	AREA/DEPOT
ARCM	COMMUNICATIONS
ARFO	FORTIFIED
ARHQ	HEADQUARTERS
ARMI	MILITARY
ARMO	MORTAR AREA
AROR	ORDNANCE
ARPO	POL/TANK FARM
ARSG	STAGING
ARSP	SUPPLY
ARST	STORAGE SUPPLY
ARVL	VULNERABLE
ARWA	WAREHOUSE AREA

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AT	ANTENNA
BF	BUNKER FACILITY (POL)
BL	BUILDING
BLAM	AMMO
BLBA	BARRACKS
BLBO	BOILER HOUSE
BLBU	BUNKER
BLCM	COMMUNICATIONS
BLCO	CONTROL
BLGE	GENERATOR
BLHA	HANGER
BLHQ	HEADQUARTERS
BLHT	HUT
BLPU	PUMP HOUSE
BLPW	POWER HOUSE
BLPA	RADAR
BLST	STORAGE
BLWA	WAREHOUSE
BR	BRIDGE
BRAP	BRIDGE APPROACH
BRBP	BRIDGE BYPASS
BRCW	CAUSEWAY
BRFT	FOOT BRIDGE
BRHI	HIGHWAY
BRPN	PONTOON
BRRH	RAILROAD AND HIGHWAY
BRRR	RAILROAD
BRSH	HIGHWAY BRIDGE SECTION
BRSR	RAILROAD BRIDGE SECT
BRUW	UNDERWATER
BS	BASE
BSAB	AIR FORCE
BSAY	ARMY
BSNA	NAVY/NAVAL
BV	BIVOUAC
BVWS	WAY STATION
CG	CLOUDING TOWERS
CP	COMMAND POST
CS	CONSTRUCTION SITE
CSLZ	CONST SITE LANDING ZONE
CV	CAVE
CVSA	CAVE STORAGE AREA
CX	CHOKE POINT
DA	DAM
DO	DRY DOCK
DK	DIKE
DR	DRUM (PCL)
EC	CAMP
EL	LAUNCHER (MISSILE)
FD	FORD
FH	FOX HOLES
FRAC	DOWNED/ABAND FR AIRC

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FRHE	DOWNDN/ABAND FR HELICO
FRSE	FRIENDLY SUPPLIES/EQ
FY	FERRY
FYAP	FERRY APPROACH
FYLA	FERRY LANDING
FYSL	FERRY SLIP
LK	LOCK
IS	ISLAND
LT	LIGHTS ON ROAD
LV	LEVEE
ML	MINEFIELD LAND
MN	MINEABLE AREA
MP	MOUNTAIN PASS
MR	MARINE RAILWAY
MV	MOTOR VEHICLE
MVBZ	BUS
MVCJ	CAR
MVK	VEHICLE CONVOY
MVDU	DUMMY
MVEQ	CONSTRUCTION EQUIP
MVET	TRANSPORTER
MVMI	MILITARY VEHICLE
MVTN	TANK TRUCK (FOL)
MVTX	TRUCK
MVTY	TANK
MVVA	VAN
MW	MINEFIELD WATER
NF	NAVAL SUPPORT FACILITY
NT	NO TARGET ACQUIRED
PA	PACK ANIMALS
PF	PORT FACILITY
PL	PLANT
PLCE	CHEMICAL
PLCL	COAL
PLCM	CEMENT PLANT
PLEX	EXPLOSIVES
PP	Pipeline
PR	PIER
PW	POWER
PWES	STATION
PWHY	HYDRO POWER PLANT
PWLN	LINES
PWTH	THERMAL POWER PLANT
PWTM	TRANSFORMER
RA	RADAR
RABL	BARLOCK
RACS	CROSS SLOT
RACU	CROSSUP
RAED	SURFACE SEARCH
RAFF	FAN SONG
RAEF	SPoon REST
RAEW	EARLY WARNING

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RAFC FIRE CONTROL  
RAFF FLAT FACE  
RAGC GCI  
RAHF HEIGHT FINDING  
PAIF 660IFF  
RAKR KNIFEREST  
RALB L BAND RADAR  
RAMC MOONCONE  
RAMF MOONFACE RADAR  
RADE ONE EYE  
RARS ROCK/STONECAKE  
RASB S-BAND RADAR  
RASH SKINHEAD  
RASN SIDENET  
RASR SRD-2  
RAWH WHIFF  
RAXB X BAND RADAR  
RD ROAD  
RDIN ROAD INTERSECTION  
RDIR INFILTRATION ROUTE  
RDSP SUPPLY ROUTE  
RDTR TRAIL  
RF REFINERY (POL)  
RM REVERMENT  
RO RADIO  
RR RAILROAD  
RCY CLASSIFICATION YARD  
RRES STATION  
RRMA MAIN LINE  
RRRS REPAIR SHOP  
PRSD SIDING  
RRSR SPUR LINE  
RRTK TRACK  
FRYD YARD  
PV RAILROAD VEHICLES  
RVBO BOXCAR/FREIGHT CAR  
RVCF CRANE CAR  
PVFC FLAT CAR  
RVLM LOCOMOTIVE  
RYMV MOTOR VEH REPAIR YD  
RTI TRAIN  
RTJ TRAIN PASSENGER  
RTN TANK CAR (POL)  
RTQ TRAIN FREIGHT  
RVWC WORK CARS  
RW RUNWAY  
RY REPAIR YARD(UNIDENT)  
RYWV WATER VEH. REPAIR YD  
SC SEARCHLIGHT  
SF SENSOR FIELD  
SG SEGMENT/TRANS ROUTE  
SGCT COASTAL SEG'MENT

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SGRO	ROAD/HIGHWAY SEGMENT
SGWT	WATER SEGMENT
SI	SILO
SP	SUPPLIES (MISCELL.)
SY	SHIPYARD
TH	TRENCHES
TN	TANK (POL)
TP	TRUCK PARK/STOP
TR	TRANSHIPMENT POINT
TS	TROOPS
TSBT	BATTALION
TSCO	COMPANY
TSDV	DIVISION
TSPT	PLATOON
TSRG	REGIMENT
TU	TUNNEL
TW	TOWER
UN	UNKNOWN/UNIDENTIFIED
VL	VILLAGE
WF	WHARF
WP	WATER INTERDICT PT
WV	WATER VEHICLES
WVAC	CARGO BARGE
WVBG	BARGE
WVBG	POL BARGE
WVPT	BOAT
WVCC	WATERBORNE CONST CRAFT
WVCL	LOGISTICS CRAFT
WVDG	DREDGE
WVER	FREIGHTER
WVFY	FERRY
WVGB	GUNBOAT
WVJC	CARGO JUNK
WVJK	JUNK
WVLC	LANDING CRAFT/SHIP
WVLR	LIGHTER
WVPC	PATROL CRAFT
WVPN	PONTOONS
WVRT	TORPEDO BOAT (PT)
WVRT	RAFT
WVSK	SAMPAN
WVSS	SHIP
WVSZ	SWATOW
WVTN	TANKER
WVUB	SUBMARINE
WVUD	TUG
WVYP	PATROL BOAT

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TABLE 'CB07S' CONVERTS A ONE CHARACTER CODE TO A TEN CHARACTER INCIDENT TACTIC.

TABLE	CB07S
	MSNSS - MISSION STAGEING CODE
	FIELD - TACTI 1/1
0	ENROUTE
1	WITHDRAWAL
2	SEARCHING
3	IN DIVE
4	OVER TARGT
6	PULLOUT
7	ON STATION
8	AVOID WX
U	UNKNOWN

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TABLE "CB08S" CONVERTS A ONE CHARACTER CODE TO A FIFTEEN CHARACTER LOSS CAUSE.

TABLE CROSSES  
LOSSES = LOSE CAUSE CODE  
FIELD = ALDAD 4/4

0	HYDRAULIC FAIL.
1	FUEL LOSS
2	FIRE
3	FLIGHT CONTROLS
4	ENGINE FAILURE
5	ELECT. FAILURE
6	HUNG ORDNANCE
7	INADV. EJECTION
8	STRUCT. FAILURE
9	PILOT INCAPAC.
E	EXPLOSION
U	UNKNOWN

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TABLE 'CB09S' CONVERTS A ONE CHARACTER CODE TO A FIFTEEN CHARACTER SURVIVAL TIME.

TABLE CB09S  
SURTS = SURVIVAL TIME CODE FOR DAMAGED/LOST AIRCRAFT  
FIELD - SVTIM

A	30 SEC TO 5 MIN
B	5 MIN TO 20 MIN
C	20 MIN TO BASE
E	LND. LOSS C DMG
K	IMM. TO 30 SEC
U	UNKNOWN

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047

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TABLE 'CB10S' CONVERTS A ONE CHARACTER CODE TO A SEVEN CHARACTER REPORT SOURCE.

TABLE CB10S  
SOPCS - REPORT SOURCE CODE  
FIELD - RSRC

1	AIRCREW
2	ABN OBS
3	PH ANAL
4	GND OBS
5	OTHER
U	UNKNOWN

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075

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TABLE 'CB11S' CONVERTS A ONE CHARACTER CODE TO A NINE CHARACTER  
TACTIC TYPE.

TABLE CB11S  
CB11S - TACTIC TYPE CODE  
FIELD - RDATA 1/1, TACTI 2/2

0	LEVEL DEL
1	10-20 DEG
2	20-30 DEG
3	30-40 DEG
4	40-50 DEG
5	50-60 DEG
6	60-70 DEG
7	70-80 DEG
8	80-90 DEG
I	ORBIT
L	TPQ/MSQ
T	TOSS BOMBS
U	UNKNOWN

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TABLE 'CB12S' CONVERTS A ONE CHARACTER CODE TO A TWELVE CHARACTER RESULTS DESCRIPTION.

TABLE	CB12S
*	CB12S - RESULTS DESCRIPTION CODE
*	FIELD - RDATA 14/14
1	DESTROYED
2	HEAVY/MOD
3	CRATERED
4	CUT
5	KILLED
6	WOUNDED
7	NO DAMAGE
8	LIGHT/SLTGHT
9	UNOBSERVED
0	ORD MALFUNCT
A	SEC EXPLOSE
B	MISSED TARGT
C	SEEDED AREA
D	ONTGT/NO BOA
E	SECONDARY FIR
F	SILENCED
G	PROR DESTROY
H	PROR DAMAGED

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047

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TABLE 'CB13S' CONVERTS A ONE CHARACTER CODE TO A THREE CHARACTER RFCON  
EFFECTIVENESS DEGREE.

TABLE	CB13S
*	CB13S - RFCON EFFECTIVENESS
*	FIELD - RECEF
1	010
2	020
3	030
4	040
5	050
6	060
7	070
8	080
9	090
0	100
U	UNK
X	000

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TABLE 'CB15S' CONVERTS A ONE CHARACTER CODE TO A FIVE CHARACTER PERIOD OF DAY.

TABLE CB15S  
CB15S ~ PERIOD OF DAY  
FIELD = TODAY

D	DAY
E	DUSK
M	DAWN
N	NIGHT

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~~049~~

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TABLE 'CB18S' CONVERTS A ONE CHARACTER CODE TO A SIXTEEN CHARACTER  
TARGET CONTROL.

TABLE	CB18S
	CB18S - TARGET CONTROL CODE
	FIELD - CONTL
A	CRICKET
B	TIGER HOUND
C	ABN FAC
G	GND FAC
I	GCI
L	LORAN
M	MSQ
N	NONE
P	PRE-BRIEFED TAR
O	TGT OF OPPORTUN
S	SHIP
T	TPQ-10
U	UNKNOWN
Z	CMBT RESCUE CTR

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TABLE 'CB19S' CONVERTS A TWO CHARACTER CODE TO A SIXTEEN CHARACTER  
ENEMY DEFENSE CLASS/TYPE.

TABLE	CB19S
	CB19S = DEFENSE CLASS/TYPE CODE
	FIELD = FDATA 1/2
00	UNK CLASS/TYPE
10	AUTOWEP UNK TYPE
11	AUTOWEP 12.7 MM
12	AUTOWEP 14.5 VIS
13	AUTOWEP 14.5 RAD
14	AUTOWEP 14.5 UNK
20	LGT AA UNK TYPE
21	LGT AA 37 MM
22	LGT AA 57VIS
23	LGT AA 57RAD
24	LGT AA 57UNK
25	LGT AA 23MM
30	MED AA UNK TYPE
31	MED AA 85MM
40	HVY AA UNK TYPE
41	HVY AA 100 MM
42	ROCKETS(GRD LAU)
50	SAM UNK TYPE
51	SAM SA-1
52	SAM SA-2
53	SAM SA-3
60	ACFT TYPE UNK
61	ACFT MIG-15
62	ACFT MIG-17
63	ACFT MIG-19
64	ACFT MIG-21
65	ACFT IL-28
66	OTHER ACFT
70	SMALL ARMS
80	GND FIRE
99	NONE
AC	AIR ACCIDENT
AD	ABN DIVERSION
AF	AIRREFAME
AP	ATM PT NOT ACQD
AR	INS ATR REFL LD
AS	ACFT SYSTEM
CF	RADIO/COM FAILU
CM	CONTROL MALFUNC
EL	ELECTRIC MALFUN
FN	ENG MALFUNCTION
FD	FUEL DEPLETION
NP	NO PHOTO ACFT
NE	NO ESCORT
GA	GROUND ACCIDENT
GB	ENEMY AIR ACTION

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CE  
GN  
GS  
IT  
LA  
LM  
MM  
NF  
NT  
OA  
OD  
OT  
PF  
RE  
RF  
RS  
SF  
TA  
TO  
WS  
WX  
UN

ENEMY GROUND AC  
NON-ENEMY ACT  
SABOTAGE  
INABL TO ACQUTR TGT  
LANDING ACCIDNT  
LORAN MALFUNCTI  
MSQ MALFUNCTION  
NO FACS AVAILAB  
NO TARGET  
ORD 'IM SYS LD  
ORD DELIVY SYS  
OTHER  
PILOT ERROR  
RECAP DIVERSION  
RADAR FAILURE  
RECONNAISSANCE  
STRUCT FAILURE  
TGT ALREADY DES  
TAKEOFF ABORT  
WEAPON SYSTEM  
WEATHER  
UNKNOWN

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~~052~~

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TABLE 'CB20S' CONVERTS A ONE CHARACTER CODE TO A SIX CHARACTER  
INTENSITY OF ENEMY FIRE.

TABLE CB20S  
TROLS → INTENSITY OF ENEMY FIRE CODE  
FIELD - EDATA 9/9

H	HEAVY
L	LIGHT
M	MEDIUM
N	NONE
U	UNK

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033

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TABLE 'CB21S' CONVERTS A ONE CHARACTER CODE TO A TWO CHARACTER  
RESPONSE TIME.

TABLE CB21S  
RSPNS - RESPONSE TIME CODE  
FIELD - EDATA 7/7

0	-1
1	1
2	3
3	5
4	7
5	9
6	11
7	13
8	15
9	17

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054

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TABLE 'CB22S' CONVERTS A ONE CHARACTER CODE TO A FIVE CHARACTER ALTITUDE.

TABLE CB22S  
ALTD\$ - ALTITUDE CODE  
FIELD - RDATA 7/7

0	100
1	500
2	1000
3	1500
4	2000
5	3000
6	4000
7	5000
8	10000
9	15000
A	20000
B	30000
C	40000

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TABLE 'CB23S' CONVERTS A ONE CHARACTER CODE TO A SEVEN CHARACTER  
AIR SPEED.

TABLE CR23S  
AIRSS - AIRSPEED CODE  
FIELD - RDATA 9/9

0	LS 100
1	100-150
2	151-200
3	201-250
4	251-300
5	301-350
6	351-400
7	401-450
8	451-500
9	501-550
A	GR 551
U	UNK

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051

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TABLE 'CB25S' CONVERTS A ONE CHARACTER CODE TO A NINE CHARACTER LOSS/DAMAGE/ABORT/DIVERSION OR CLAIM.

TABLE	CB25S
	CB25S - LOSS/DAMAGE/ABORT/DIVERSION OR CLAIM CODE
	FIELD - ALDAD 1/1
L	CMBT LOSS
D	CMBT DAMG
S	GRND LUSS
M	GRND DAMG
O	OPNL LOSS
G	OPNL DAMG
A	AIR ABORT
V	DIVERSION
R	RECALL
I	INC SORT

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058

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TABLE 'CB26S' CONVERTS A TWO CHARACTER CODE TO A FIFTEEN CHARACTER  
CAUSE OF ABORT/DIVERSION

TABLE CR26S  
CB26S - CAUSE OF ABORT/DIVERSION CODE  
FIELD - ALDAD 2/3

AC	AIR ACCIDENT
AD	AIRBORNE DIVERS
AF	AIRFRAME
AP	AIM PT NOT ACQD
AR	INSU AIR REF LD
AS	ACFT SYSTEM
CF	RADIO/COM FAIL
CM	CONTROL MALFUNC
EL	ELEC FAILURE
EN	ENGINE
FD	FUEL DEPLETION
GA	GROUND ACCIDENT
GB	ENEMY ACTION AIR
GE	ENEMY ACTION
GN	NON-ENEMY ACTN
GS	SABOTAGE
HF	HYDROLYC FAIL
IT	INABIL ACC TGT
LA	LANDING ACCIDEN
LM	LORAN MALFUNCT
MM	MSQ MALFUNCTION
NF	NO ESCORT
NF	NO FACS AVAIL
NP	NO PHOTO ACFT
NT	NO TGT ACQUIRED
NT	NO TGT ACC
OA	ORD AIMING SYS
OD	ORD DELVY SYS
OT	OTHER
PE	PILOT ERROR
RE	RESCAP DIV/SAR
RF	RADAR FAILURE
RS	RECCE SYSTEM
SF	STRUCT FAILURE
TA	TGT PREV DEST
TO	TAKEDOFF ABORT
UN	UNKNOWN
WS	WEAPON SYSTEM
WX	WEATHER

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TABLE 'CB27S' CONVERTS A ONE CHARACTER CODE TO A FOUR CHARACTER  
DEGREE OF WEATHER.

TABLE	CB27S
*	CB27S - DEGREE OF WEATHER CODE
*	FIFLD - WEATH 6/6
F	FEW
H	HVY
L	LT
M	MOD
N	NUM
S	SCAT
U	UNKN

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060

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TABLE 'CB28S' CONVERTS A ONE CHARACTER CODE TO A THREE CHARACTER  
TYPE OF FIRE ENCOUNTERED.

TABLE CB28S  
CB28S - TYPE OF FIRE ENCOUNTERED CODE  
FIELD - EDATA 8/8

B	BAR
R	RDM
T	TRK
U	UNK

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061

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TABLE 'CB29S' CONVERTS A ONE CHARACTER CODE TO A TWELVE CHARACTER LOAD CATEGORY.

TABLE CB29S  
CB29S → LOAD CATEGORY CODE  
FIELD - LTYPE 1/1

1	PASSENGERS
2	R / R TROOPS
3	AMB. PATIENTS
4	LIT. PATIENTS
A	A/C ENGINES
E	EXPL. ORD
F	FUELS
R	RATIONS
X	GEN CARGO
Y	CHEM/HERB

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TABLE "CB30S" CONVERTS A THREE CHARACTER CODE TO A SIX CHARACTER LOAD GUN TYPE.

TABLE	CB30S
	CB30S → LOAD GUN TYPE CODE
	FIELD - LTYPE 2/4
001	M3
002	M24A1
003	M61
004	M61A1
005	M39A2
006	SUUIIA
007	SUUIEA
008	MK12
009	MK11
011	SUU23A
010	MK-4

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TABLE 'CB31S' CONVERTS A ONE CHARACTER CODE TO AN ELEVEN CHARACTER  
EVASIVE MANEUVER.

TABLE	CB31S
*	CB31S - EVASIVE MANEUVERS CODE
*	FIELD - FDATA 14/14
1	JINKED
2	DIVE
3	SPLIT S
4	CLIMB
5	SPD CHANGE
6	DECEPT JAM
7	ACTIVE JAM
8	HIGH G TURN
9	NONE
A	BREAK LT/RT
B	SPIRAL S
C	SPIRAL
D	ROLL AHEAD
E	HORIZ. WEAVE
F	VERT. WEAVE
U	UNKNOWN

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~~667~~

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TABLE "CB32S" CONVERTS A ONE CHARACTER CODE TO AN EIGHT CHARACTER  
BURST COLOR.

TABLE CB32S  
BSTS - BURST COLOR CODE  
FIELD - EDATA 13/13

A	FIREBALL
B	BLACK
F	BR FLASH
G	GRAY
N	BROWN
O	OTHER
R	RED
T	TRACERS
U	UNKNOWN
W	WHITE
Y	YFL/CRNG

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~~065~~

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TABLE \*CB34S\* CONVERTS A ONE CHARACTER CODE TO A TWELVE CHARACTER  
SERVICE/OPERATOR/USER

TABLE CB34S  
CB34S - SERVICE/OPERATOR/USER CODE  
FIELD - SRVCE

A	ARVN
C	US CIVIL OPS
D	US AID MSNS
F	FREE CHINESE
H	DOO
K	USAF
L	ROK
M	LAOTIAN
N	USMC
P	USN
R	PHILIPPINE
S	RCAF
T	AUSTRALIAN
U	THAILAND
V	JCMD
W	VNAF
X	USA
Y	OTHER NON-US
Z	OTHER US
	NEW ZEALAND

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TABLE "CB35S" CONVERTS A TWO CHARACTER CODE TO A FOURTEEN CHARACTER  
MAJOR PROGRAM.

TABLE

CB35S

\* MAPGS - MAJOR PROGRAMS CODE  
\* FIELD - MSNNR 1/2

AL	ARC LIGHT
RA	BANGO
BE	BIG EYE
BL	BIG LOOK
BP	BURNING PIPE
BR	BARREL ROLL
BS	BURNING SUN
RT	BOX TOP
BT	BLUE TREE
BB	BURNING BOLT
CA	COMBAT APPLE
CC	COTTON CANDY
CR	CRICKET
DT	DAGGER THRUST
EW	ELECTRONIC WAR
FB	FOG BOUND
FF	FLYING FISH
FS	FACT SHEET
IH	IRON HAND
KC	KING COBRA
MS	IGLOO WHITE
MW	COMMAND CLINCH
NA	NOT APPLICABLE
NO	NIGHT OWL
RH	RANCH HAND
RD	RIVET TOP
RT	ROLLING THUN
SD	COMMAND LANCE
SE	SEA DRAGON
SL	STEEL TIGER
TH	TIGER HOUND
VS	IN COUNTRY
WH	WHIPLASH
YT	YANKEE TEAM
WW	WILD WEASEL
TA	TALLY-HO
TC	TIGER CUB
EW	ELECTRONIC WARP
OD	OPEN DOOR

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067

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TABLE 'CB38S' CONVERTS A ONE CHARACTER CODE TO A SIX-CHARACTER  
NORTH VIETNAM ROUTE PKG.

TABLE CB38S  
\* RPKGS → NORTH VIETNAM ROUTE PKG CODE  
\* FIELD = RTCOR, RTPKG

0	UNK
1	1
2	2
3	3
4	4
5	5
6	6A
7	6B
8	UK
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
J	J
K	K
L	L
M	M
N	BR/N
O	BR/W
P	BR/E
Q	BR/EBZ
R	ST/W
S	ST/E

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TABLE 'CB40S' CONVERTS A ONE CHARACTER CODE TO A TWELVE CHARACTER  
BAND WIDTH FREQUENCY.

TABLE CB40S  
BWFQS - BANDWIDTH FREQUENCY CODE  
FIELD - LDECM 10/10

A	0-250
B	251-500
C	501-1000
D	1001-2000
E	2001-3000
F	3001-4000
G	4001-6000
H	6001-8000
I	8001-10000
J	10001-20000
K	20001-40000
L	40001-60000
M	60001-100000

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569

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TABLE 'TCOVS' CONVERTS A ONE CHARACTER CODE TO A NINE CHARACTER  
TARGET COVER.

TABLE TCOVS  
FIELD - CLCOV

A	NOT OBS
B	BROKEN
C	CLEAR
I	IN CLOUDS
L	BET LAYER
O	OVERCAST
S	SCATTERED
U	UNDERCAST

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GPO

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TABLE 'MONT'S' CONVERTS A TWO CHARACTER CODE TO A THREE CHARACTER MONTH.

TABLE	MONT'S
	MONT'S - MONTH CODE
	FIELD - MSNDT 3/4
01	JAN
02	FEB
03	MAR
04	APR
05	MAY
06	JUN
07	JUL
08	AUG
09	SEP
10	OCT
11	NOV
12	DEC

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TABLE "PROVS" CONVERTS A TWO CHARACTER CODE TO A TWELVE CHARACTER PROVINCE NAME.

TABLE	PROVS
	PROVS - PROVINCE CODES
	FIELD - PROVC
00	UNKNOWN
01	QUANG TRI
02	THUA THIEN
03	QUANG NAM
04	QUANG TIN
05	QUANG NGAI
06	KONTUM
07	BINH DINH
08	PLEIKU
09	PHU YEN
10	DARLAC
11	KHANH HOA
12	TUYEN DUC
13	QUANG DUC
14	PHUOC LONG
15	LAM DONG
16	NINH THUAN
17	BINH THUAN
18	BINH TUY
19	LONG KHANH
20	PHUOC THANH
21	BINH LONG
22	TAY NINH
23	RINH DUONG
24	GIA DINH
25	BIEN HOA
26	PHUOC TUY
27	LONG AN
28	KIEN TUONG
29	KIEN PHONG
30	DINH TUONG
31	AN GIANG
32	VINH LONG
33	KIEN HOA
34	VINH BINH
35	PHOMG DINH
36	KIEN GIANG
37	CHUONG THIEN
38	BA XUYEN
39	AN XUYEN
40	CON SON
41	PHU BON
42	HAU NGHIA
43	GO CONG
44	BAC LIEU
45	CHAU DOC

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46 SA DEC  
47 NOT USED  
48 NOT USED  
49 PHU QUOC ISL  
50 DMZ  
51 BUFFER ZONE  
52 RUNG SAT(SP)  
60 MUD RIVER  
61 DUMP TRUCK

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TABLE "TERRS" CONVERTS A ONE CHARACTER CODE TO A SEVEN CHARACTER  
TARGET TERRAIN TYPE.

TABLE TERRS  
TERRS - TARGET TERRAIN TYPE CODE  
FIELD - TERRA

C	COASTAL
F	FLAT
I	ISLANDS
K	KARST
M	MOUNTNS
R	ROLLING
U	UNKNOWN
V	RIVER
W	WATER

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TABLE 'TOBSS' CONVERTS A ONE CHARACTER CODE TO A TWELVE CHARACTER  
TARGET OBSTRUCTION TO VISIBILITY.

TABLE TOBSS

\* TOBSS → TARGET OBSTRUCTION TO VISIBILITY  
\* FIELD = WEATH 5/5

A	HAIL
B	CLF AIR TURB
C	CLOUDS
D	DUST
E	SLEET
F	FOG
H	HAZE
M	SMOKE
K	SMOKE
L	DRIZZLE
N	NONE
R	RAIN
S	SNOW
T	THUNDERSTORM
U	UNKNOWN
X	TREES
Z	DARKNESS

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075

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TABLE "CTRYS" CONVERTS A TWO CHARACTER CODE TO A FIFTEEN CHARACTER COUNTRY.

TABLE CTRYS

A GU = GUAM AND PI = PHILLIPINES, THROUGH 31 DEC 1969.  
B FROM 1 JAN 1970 ON, GQ = GUAM AND RP = PHILLIPINES.  
C FIELD - CNTRY  
D FIELD - CNTOR

CB	CAMBODIA
CH	CHINA
GQ	GUAM
GU	GUAM
LA	LAOS
PI	PHILLIPINES
PK	OKINAWA
RP	PHILLIPINES
TH	THAILAND
UN	UNKNOWN
VN	NORTH VIETNAM
VS	SOUTH VIETNAM
X1	WESTPAC WATERS

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076

TABLE 'VICES' CONVERTS A ONE CHARACTER CODE TO A TWELVE CHARACTER SERVICE CODE.

TABLE VICES  
\* VICES → SERVICE CODE  
\* FIELD = SERVE  
\* FIELD = UIC 1/1

A	77.3 NAVY
B	77.4 NAVY
C	77.5 NAVY
D	77.6 NAVY
E	77.7 NAVY
F	77.8 NAVY
G	77.9 NAVY
H	DDG
I	76.5 MARINE
J	USAF
M	MARINE CORPS
N	USN
R	RCAF
U	JOINT COMOS
V	VNAF
W	APMY
X	VQ-1
Z	RLAF

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TABLE 'LOADS' CONVERTS A THREE CHARACTER LOAD TO A TWENTY-FIVE  
CHARACTER LOAD TYPE.

## TABLE

## LOADS

★ LOADS - LOAD TYPE CODE  
FIELD - LTYPE

000	UNKNOWN
001	100 LB GP
002	250 LB GP HIGH DRAG
003	500 LB GP HIGH DRAG
004	750 LB GP M-117
005	1000 LB GP HIGH DRAG
006	2000 LB GP HIGH DRAG
007	250 LB MK-81 SNAKEYE
008	500 LB MK-82 SNAKEYE
009	120 LB FRAG CLUSTER
010	CBU-2A BLU-3
011	CBU-14 BLU-3
012	MIA2 CLUST FRAG
013	220/260 LB CLUS FRAG
014	ADU 253/B AC D
015	M-35 PHOSPHORUS CLUS
016	M-36 THERMITE CLUSTER
017	CBU-2A/A BLU-3
018	CBU-14/A BLU-3
019	CBU-2A1B BLU-3
020	BLU-1B M116 750LB NAP
021	BLU-1B/23 500LB NAP
022	MK-77 70 GAL FB
023	MK-79 112 GAL FB
024	WHITE PHOS 100 LB
025	FLARES
026	BLU-1G 250 LB NAPALM
027	CBU-12A BLU-3
028	500LB NAP BLU-118
029	2.75 FLESHETTS
030	HVAR 5 IN
031	ZUNI 5 IN ALR HE
032	2.75 IN ALR HE
033	2.75 IN ALR HEAT
034	AGM-12B BULPUP 25CLB
035	AIM-4C/D FALCON
036	AIM-7D/E SPARROW III
037	AIM-9B Sidewinder 1A
038	AGM-4FA SHRIKE
039	2.75 IN ALP HEATFRAG
040	3.5 IN ALP WP
041	2.75 IN ALP PWP
042	AGM-12C BULLP 100CLB
043	ZUNI 5 IN ALP HEAT
044	ZUNI 5 IN ALR SMOKE
045	PHOTO FLASH M120

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046 PHOTO FLASH M123  
047 PHOTO FLASH M112  
048 750 INGND CLUST M35  
049 CBU-12 BLU-3  
050 MK-36 SEA MINE  
051 MK-50 SEA MINE  
052 MK-44 TORPEDO  
053 MK-36 DESTRUCTOR  
054 CBU-3 DISP MUNITIONS  
055 ADU 272/B DISP MUNIT  
056 MK52 SEA MINE  
057 MK 25 MOD 0 SEA MINE  
058 MK 36 MOD 1 SEA MINE  
059 MK 36 MOD 2 SEA MINE  
060 MLU-10/B LAND MINE  
061 MK 50 MOD 0 SEA MINE  
062 250= FR B M-57/81/88  
063 ROCKET LAUNCH LAU-56  
064 ROCKET LAUNCH LAU-59  
065 BLU-268  
066 XM-47 CART(HUNDREDS)  
067 20 MM MK-11 (100THS)  
068 20MM M-3 (HUNDRES)  
069 20MM M-39 (HUNDREDS)  
070 20MM M-61 (HUNDREDS)  
071 20MM MK-12(HUNDREDS)  
072 40MM HE XM384(HDRDS)  
073 50 CAL.(HUNDREDS)  
074 30 CAL.(HUNDREDS)  
075 7.62MM(HUNDREDS)  
076 5.56MM(HUNDREDS)  
077 ROCKT LAUNCHR LAU-3A  
078 ROCKT LAUNCHR LAU-3Z  
079 ROCKT LAUNCHR LAU-10  
080 ROCKT LAUNCHR AERO 7-D  
081 ROCKT LAUNCH, LAU-33  
082 LEAFLETS(1000)M DROP  
083 M129 BOMB LEAFLET  
084 100 LB M-28 BOMB  
085 250 LB GP MK-81 LD  
086 500 LB GP MK-82 LD  
087 1000 LB SAP  
088 1000 LB MK-83  
089 2000 LB MK-84  
090 3000 LB M-118  
091 1000LB GPB M65 A-1  
092 500LB GPB M64 A-1  
093 DRONE AQM-37A  
094 100 LB DELAY GPB  
095 200 LB DELAY GPB  
096 500 LB DELAY GPB  
097 750 LB DELAY GPB

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105 1000 LB DELAY GPB  
106 2000 LB DFLAY GPB  
107 CRU-2A BLU-3  
108 750LB NAP BLU-27  
109 HERBICIDE  
110 CRU-24 SADYE  
111 HILL GENIE  
112 CBU-22/A  
113 CBU-14/25  
114 AGM-62A WALLEYE  
115 CBU-19  
116 CBU-28  
117 CBU-24/29  
118 CBU-33  
119 CBU-34  
120 CS-1 (BULK DTSP)  
121 ADU-285  
123 BLU-31  
124 AGM-78  
125 AIM-26  
126 BLU-34  
127 CBU-24/29  
128 RKT LAUCH LAU-60  
129 MK-6 SMOKE LIGHT  
130 LAU-54  
131 RKT LAU AEROTE  
132 SUU-4CA  
137 AIM-9D SIDEWINDER  
140 100LB SMOKE/INCEND  
142 500LB INCEND M31  
143 500LB INCEND M32  
144 MK-20 MCD 9(CS)  
145 M-117 342A/B  
146 MK-84 351/B  
149 BLU-72  
150 BLU-32  
151 BLU-33  
152 BLU-42  
153 BLU-43  
154 BLU-52  
155 CBU-11  
156 CBU-13  
157 CBU-18  
158 CBU-30  
159 CBU-37  
160 CPU-1C  
161 CBU-12 W/BLU-17  
162 CBU-23  
163 CBU-1  
164 CBU-7  
165 ROCKEYE 500 LB BOMB  
166 CBU-39

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167 CBU-40  
168 CBU-42  
169 CBU-46  
170 AIM-4A/E/F  
171 AIM-9C  
172 AIM-9D  
180 AGM-12B 500=BUMLPUPB  
181 AGM-12E BULP B BLU26  
182 PADEYE  
200 TROOPS  
300 CARGO  
401 SLR PACKAGE  
402 ANAUD-2  
407 KA-57/A  
408 KA-58A  
409 KA-62A  
410 KA-1  
411 KA-45  
412 KA-55  
413 KA-56  
414 KS-72  
415 APQ-102  
416 AAS-18  
417 KA-50A  
418 KA-51A  
419 KS-6B  
420 KS-69  
421 CAX-12  
422 KB-10A  
423 KR-40A  
424 KA-45A  
425 KA-46A  
426 KA-32A  
427 CA-32  
428 CA-32B  
429 KA-36A  
430 KA-47A  
431 T-11  
432 KS-72A  
433 DBM 44  
434 LA26  
435 LA 27  
436 LA 28  
437 LA 29  
438 KA 53A  
439 KF 9  
440 KA 40  
441 CA 13  
442 K 223  
443 RECONDEXNR 4  
444 ELPAC  
445 RECONDEXNR 6

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446 KA 2  
447 KA 7  
448 HRB-1  
449 AF-1  
450 F-477  
451 RECONOFAX NR 7  
452 K-17  
453 K-38  
454 KS-74  
455 KD-2  
457 KS-97  
501 APR-9  
502 APR-13  
503 ALR-15  
504 ALR-18  
505 LITTLE EARS  
506 TAR  
507 SINGER MOD 1  
508 SINGER MOD 2  
509 APR-27 MOD 1  
510 APR-27 MOD 2  
511 TEASER  
512 ALD-2  
513 APR-23  
514 APR-24  
515 APR-28  
516 APR-29  
517 APR-30  
518 APR-26  
519 APR-25/26  
520 APR-25/IR 133  
521 APR-25/ER 142  
522 BIG LOCK  
523 ALT-2  
524 ALT-7  
525 ALT-68  
526 ALT-13  
527 ALT-15  
528 ALT-16  
529 ALT-19  
530 ALT-21  
531 ALT-22  
532 ALT-27  
533 ALT-76 A MODE  
534 ALT-76 B MODE  
535 ALT-76 C MODE  
536 ALT-76 D MODE  
537 APS-17  
538 ALQ-35  
539 ALQ-41  
540 ALQ-51  
541 ALQ-51 MOD 1

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542 ALQ-51 MOD 2  
543 ALQ-100  
544 ALQ-55  
545 ALQ-59  
546 ALQ-81  
547 ALQ-84  
548 ALQ-88  
549 ALQ-31  
550 QRC-95L  
551 QRC-114  
552 QRC-160/ALQ-71  
553 QRC-160/ALQ-72  
554 QRC-160-4  
555 QRC-160-5  
556 QRC-160-8  
557 QRC-218/318  
558 QRC-279  
559 QRC-288  
560 QRC-304  
561 715B  
562 P BAND CHAFF  
563 L BAND CHAFF  
564 S BAND CHAFF  
565 C BAND CHAFF  
566 X BAND CHAFF  
567 DIANE  
568 ALQ-6  
569 ALR-8  
570 CMR-312  
571 BRIGAND  
572 ALE-8  
573 ALE-18  
574 QRC-160-1  
575 ALQ-71  
576 ALQ-87  
577 QRC-335A  
578 QRC-321  
579 APA-74  
580 AS-654  
581 AS-655  
582 AS-656  
583 AS-657  
584 ALA-5  
585 ALE-29 SIDEDISPCHAFF  
586 APS-54  
587 ALT-15H  
588 QRC-306  
589 QRC-15  
590 APR-14  
591 QRC-292  
592 TN-128  
593 TN-129

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594 TN-130  
595 TN-131  
596 ALA-6  
597 ALT-15L  
598 QRC-65  
599 QRC-312A-1/ALT-15L  
600 QRC-312A-1/ALT-15H  
601 ALP-3  
602 APD-7  
603 ALQ-91  
604 ARR-52A  
605 ALR-27  
607 ALR-28  
608 ALR-29  
609 ALR-30  
610 ALR-32  
614 ALQ-76  
615 ALQ-86  
MA1 XM45E1 UNIT CANISTERS  
MA2 XM40E UNIT-CANISTERS  
MA3 BUTTON-NOISELESS CAN  
MB1 XM41 UNITS-CANISTER  
MB2 30 DAY  
MB3 XM41E1 UNITS-CANISTER  
MB4 CBU 42/BLU54B  
MB5 XM65 MINE ANTI-PERS  
MB6 XM43A MINE PERS  
MC1 XM44 UNITS-CANISTER  
MD1 CBU 33/BLU 45  
ME1 CBU 29/BLU 43B  
ME2 CBU 37/BLU 44  
MF2 XM145  
MF3 XM146  
MF4 M117/NK75KIT  
MF5 BLU 52B CS2  
SA1 ADSID  
SA2 FASTID  
SA3 AIR DELIV SEISMIC MD F  
SA4 GSQ-117  
SA5 LSD  
SB1 SPIKE  
SB2 DUMMY  
SB3 IGNID  
SB4 GSQ-126 PHASE II  
SB5 GSQ-127 PHASE II  
SC1 MAGID  
SD1 IRID  
SE1 UVID  
SF1 PIRID

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084

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TABLE EFIRS CONVERTS A ONE CHARACTER CODE TO A FOUR CHARACTER  
INTENSITY OF ENEMY FIRE.

TABLE EFIRS  
EFIRS - INTENSITY OF ENEMY FIRE CODE  
FIELD - EDATA 9/9

H	HVY
L	LT
M	MED
N	NONE
U	UNK

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TABLE 'LCAUS' CONVERTS A ONE CHARACTER CODE TO A NINE CHARACTER LOSS CAUSE.

TABLE LCAUS  
LCAUS = LOSS CAUSE CODE  
FIELD - LCLAS

A	ACCIDENT
E	ENEMY ACT
U	UNKNOWN

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TABLE 'LCASS' CONVERTS A TWO CHARACTER CODE TO A TWENTY CHARACTER  
LOAD CLASS.

TABLE	LCASS
	LCASS → LOAD CLASS CODE
	FIELD → LCLAS
A1	100LB GP M-30
A2	100LB PWP M-47
A3	100LB M-28
A4	100LB FR M-1A2
B1	200/260 M81/88
B2	250LB M-57
B3	250LB MK-81
C1	500LB GP M-64
C2	500LB GP MK-82
C3	750LB GP M-117
C4	750LB M-35 PHS
C5	900LB M-36 THR
C6	500LB IND M-31
C7	500LB INCNDM32
D1	1000LB GP M-65
D2	1000LB SAP M59
D3	1000LB MK-83
D4	2000LB M-65
D5	2000LB MK-84
D6	3000LB M-118
E1	BLU52B/CS2
E2	250LB BLU-1P
E3	500BLU11/23/32
E4	750LB BLU-1/27
E5	3000 LB BLU-34
E6	BLU-33
E7	BLU-42
E8	BLU-42
E9	BLU-52
F1	CBU-19
F2	CBU-28
F3	CBU-30
F4	CBU-33
F5	CBU-34
F6	CBU-40A
F7	L.S-1 BULK DISP
F8	CBU-285
F9	CBU-10
F10	CBU-25
F11	CBU 42/BLU48
F12	CBU33/BLU 45
F13	CBU28/BLU438
F14	CBU37/BLU44
F15	CBU-1
F16	CBU-7
F17	CBU 40

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FR CBU 46  
FS CS-1 BULK DISP  
FT CBU-18  
FU CBU-39  
FV CBU-11  
FW CBU-13  
FO ROKEY500LBOMB  
F1 CBU-2  
F2 CBU-3  
F3 CBU-12  
F4 CBU-14/25  
F5 CBU-22  
F6 CBU-24/29  
F8 ADU-253  
F9 ADU-272  
GA LAU-54  
GO RKT LAUCHLAU-60  
G1 LAU-3A/AERO7  
G2 LAU-32/AERO 6A  
G3 LAU-56  
G4 LAU-59  
G5 2.75IN HE RKT  
G6 2.75IN HEAT RKT  
G7 2.75IN PWP RKT  
G8 2.75IN FLECHET  
G9 LAU-33  
H1 LAU-10A  
H2 5.0IN HE RKT  
H3 5.0IN HEAT RKT  
H4 5.0IN HVLR RKT  
I1 M-3  
I2 MK-11/MK-12  
I3 M-39  
I4 M-61  
I5 MK20M000(CS)  
J1 40MM HF XM384  
J2 5.56MM  
J3 30 CAL  
J4 50 CAL  
J5 7.62MM  
K1 BULLPUP A/B  
K2 BULLPUP B  
K3 SHRIKE  
K4 WALLEYE  
K5 STD/ARM AGM-78  
L1 FALCON  
L2 SPARROW  
L3 SIDEWINDER  
L4 FALCON AIM-26  
M1 MK-24  
M2 PH FLASH M112  
M3 PH FLASH M120

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M4 PH FLASH M123  
N1 MLU-1CB  
N2 XM40E5  
N3 BUTNOTSLESCAN  
N4 XM41UNITS-CAN  
N5 XM41E1  
N6 BLU31  
N7 XM65 MINE ANTI-PERS  
N8 XM43A CHEM MINE PERS  
O4 MK-36 DESTRUCT  
O7 XM145  
OP XM166  
YB 30 DAY CAN  
Y1 LEAFLET BOMB  
Y2 LEAFLET MANUAL  
Y3 DRONE AGM-372  
Y4 HERPICIDE  
Y5 HILL GENIF  
Z1 TROOPS  
Z2 CARGO  
Z3 PHOTO EQUIP  
Z4 ALQ-91  
Z5 ALR-27  
Z6 ALT-25  
Z7 ARR-52A  
Z8 AIR DELIV SFISMIC MD  
Z9 GSQ-26 PHASE II  
ZC GSQ-127 PHASE II  
ZZ UNKNOWN

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TABLE 'TOBJS' CONVERTS A TWO CHARACTER CODE TO A TWENTY CHARACTER  
TARGET TYPE

TABLE      TOBJS  
\*      TOBJS - TARGET TYPE  
\*      FIELD ~ TGOBJ

AA	ANTI-AIRCRAFT
AC	AIRCRAFT(UNIDENT)
AF	AIRFIELD
AN	ANCHORAGE
AR	AREA/DEPOT
AT	ANTENNA
BF	BUNKER POL
BS	BASE
BL	BUILDINGS
BR	BRIDGE
CG	COOLING TWRs
CP	COMMAND POST
CS	CONST. SITE
CV	CAVE
CX	CHOKE POINT
DA	DAM
DD	DRY DOCK
DR	DRUM - PCL
DK	DIKE
EC	CAMP
EL	LCHR (MISSILE)
FY	FERRY
FD	FORD
LK	LOCK
LV	LEVEE
MR	MARINE RR
ML	MINEFIELD(LAND)
MN	MINEABLE AREA
MV	MOTOR VEHICLE
MW	MINEFIELD(SEA)
NT	NO TARGET ACQUIRED
PL	PLANT
PF	PORT FAC.
PP	PIPELINE
PR	PIER
PW	FLFC. PWR. FAC.
RD	ROAD
RF	REFINERY
RM	REVESTMENT
RV	RAILROAD VEHCL
RW	PUNWAY
RA	RADAR
RR	RAILROAD
RO	RADIO
SC	SEARCHLIGHT
SG	SEGMENT TRANS ROUTE

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SI	SILO
SY	SHTPYARD
TS	TROOPS UND. NR.
TW	TOWER
TP	TRUCK PARK
TN	TANK (POL)
TU	TUNNEL
TH	TRENCHES
TR	TRANSFER POINT
UN	UNKNOWN
WF	WHARF
WP	WATER INTERDIET PT
WV	WATER VEHICLE
FH	FOX HOLES
LT	LIGHTS ON ROAD
PA	PACK ANIMALS
RY	REPAIR YARD UND.
SF	SENSOR FIELD
IS	ISLAND
VL	VILLAGE
NF	NAVAL SUR FAC
MP	MOUNTAIN PASS
SP	SUPPLIES MISC.

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TABLE 'NTRGS' CONVERTS A TWO CHARACTER CODE TO FOURTEEN CHARACTER  
TARGET GROUPS

NTRGS - CONVERTS OUTPUT OF TGDS TO READABLE FORM  
USED FOR CB22R ONLY

01	ANTI ACRF
02	AREA DEPOT
03	BRIDGES
04	BUILDINGS
05	LAND VEHICLES
06	RADAR
07	ROADS
08	TROOPS
09	TRUCK PARK
10	WATER CROSSING
11	WATER VEHICLES

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# National Archives and Records Administration

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## NATIONAL ARCHIVES PRODUCED FILE LISTING

The U.S. Joint Chiefs of Staff (JCS), Department of Defense, transferred the Combat Air Activities (CACTA), October 1 – November 30, 1965, data file in the National Military Command and Control System Information Processing System (NIPS) format to the National Archives and Records Administration (NARA). The Archival Services staff in the Electronic and Special Media Records Services Division (NWME) translated the data from the NIPS file into a file containing fixed length records. The technical specifications of the data in the translated file were in an ASCII character set and ANSI labels. The Technical Services staff of NWME copied the data file to one 18-track 3480 tape cartridge, 37,871 bpi, with ANS3 standard labels, using an ASCII character set. The data file was blocked at 12,121 characters per block. The NARA staff then produced the following printout from the NARA-created copy; this printout is a character representation of the first few records.

Accession No: NN3-218-76-023  
Prepared by: J. Powell, Archives Specialist  
Date: November 29, 2005

NARA's web site is <http://www.nara.gov>

CACTA. TR 6510

FILE #1 BLOCK # 0 RECORD # 0

0000 36 35 31 30 30 31 4A 30 39 30 31 41 41 4A 41 45 651001J0901AAJAE  
0010 54 47 30 30 31 30 31 53 20 56 53 20 20 20 20 20 TG00101S VS  
0020 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0030 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0040 20 20 20 20 20 56 4E 54 41 4E 20 53 4F 4E 20 4E VNTAN SON N  
0050 48 46 2D 31 30 32 20 20 20 30 30 32 30 30 32 30 HF-102 0020020  
0060 31 30 30 31 30 30 32 4D 41 20 30 30 30 54 20 46 10001002MA 00T F  
0070 54 56 4E 20 20 20 53 55 58 53 31 39 39 34 30 38 TVN SUXS199408  
0080 20 20 20 20 20 20 30 30 30 30 30 30 53 30 30 30 00000S000  
0090 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 20 000E  
00A0 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
00B0 20 20 20 20 20 20 20 20 20 30 30 30 30 30 30 30 00000  
00C0 53 30 30 30 30 30 30 45 20 20 20 20 20 20 20 20 S000000E  
00D0 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
00E0 20 46 30 32 30 37 4E 20 42 43 20 20 20 36 30 30 F0207N BC 600  
00F0 30 30 30 20 20 20 20 20 20 20 20 20 20 5E 20 20 20 000  
0100 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 W  
0110 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 0320009000  
0120 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 0018G5000002025  
0130 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 03202  
0140 20 20 20 20 20 20 20 20 20 20 20 20 20 20 57 20 S 25UN 2  
0150 20 20 20 20 30 33 32 30 30 30 39 30 30 30 30 20 20 02  
0160 20 30 30 31 38 47 35 30 30 30 30 30 32 30 32 35  
0170 20 20 20 20 20 20 20 20 20 20 4F 33 32 30 32 20  
0180 20 53 20 32 35 55 4E 20 20 32 20 20 20 20 20 20 20  
0190 20 20 20 20 30 32 20 20 20 20 20 20 20 20 20 20 20  
01A0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
01B0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
01C0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
01D0 20 20 20 20 20 20 20 20 20 20 2E 3C 20 4C 2E 3C 20 .< L.<  
01E0 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<  
01F0 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<  
0200 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<

FILE #1 BLOCK # 0 RECORD # 1

020F 36 35 31 30 30 31 4A 30 39 30 31 41 41 4A 41 45 651001J0901AAJAE  
021F 54 47 30 30 31 30 31 53 20 56 53 20 20 20 20 20 TG00101S VS  
022F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
023F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
024F 20 20 20 20 56 4E 54 41 4E 20 53 4F 4E 20 4E VNTAN SON N  
025F 48 46 2D 31 30 32 20 20 20 30 30 32 30 30 32 30 HF-102 0020020  
026F 31 30 30 30 31 30 30 32 4D 41 20 30 30 54 20 46 10001002MA 00T F  
027F 54 56 4E 20 20 20 53 55 58 53 31 39 39 34 30 38 TVN SUXS199408  
028F 20 20 20 20 20 20 30 30 30 30 30 30 53 30 30 30 00000S000  
029F 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 20 000E  
02AF 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
02BF 20 20 20 20 20 20 20 20 20 20 30 30 30 30 30 30 00000  
02CF 53 30 30 30 30 30 30 45 20 20 20 20 20 20 20 20 S000000E  
02DF 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
02EF 20 46 30 32 30 37 4E 20 42 43 20 20 20 36 30 30 F0207N BC 600  
02FF 30 30 30 20 20 20 20 20 20 20 20 20 20 5E 20 20 20 000  
030F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
031F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
032F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
033F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
034F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
035F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
036F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
037F 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20

\*\*\* APS RECORD DUMP \*\*\* Date: 5/04/2005 Time: 12:06  
VID: 022189 VALOC: 018960

038F	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
039F	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
03AF	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
03BF	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
03CF	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
03DF	20	20	20	20	20	20	20	20	20	2E	3C	20	4C	2E	3C	20		
03EF	4C	2E	3C	20														
03FF	4C	2E	3C	20														
040F	4C	2E	3C	20	4C	2E	3C	20	4C	2E	3C	20	4C	2E	3C			

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FILE #1 BLOCK # 0 RECORD # 2  
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 042E 54 47 30 30 31 30 31 53 20 56 53 20 20 20 20 20  
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 046E 48 46 2D 31 30 32 20 20 20 30 30 32 30 30 32 30  
 047E 31 30 30 30 31 30 30 32 4D 41 20 30 30 54 20 46  
 048E 54 56 4E 20 20 20 53 55 58 53 31 39 39 34 30 38  
 049E 20 20 20 20 20 20 30 30 30 30 30 30 53 30 30 30  
 04AE 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 20  
 04BE 20 20 20 30 30 30 30 30 53 30 30 30 30 30 30 30 45  
 04CE 20 20 20 20 20 20 20 20 20 20 20 20 30 30 30 30 30  
 04DE 53 30 30 30 30 30 30 45 20 20 20 20 20 20 20 20 20  
 04EE 20 20 20 30 30 30 30 30 53 30 30 30 30 30 30 30 45  
 04FE 20 46 30 32 30 37 4E 20 42 43 20 20 20 36 30 30  
 050E 30 30 30 20 20 20 20 20 20 20 20 20 20 5E 20 20 20  
 051E 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
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 058E 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
 059E 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
 05AE 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
 05BE 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
 05CE 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
 05DE 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
 05EE 20 20 20 20 20 20 20 20 20 30 30 30 20 20 20 20 20  
 05FE 20 30 30 30 20 20 20 20 20 30 37 32 30 38 30 30 000  
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 061E 4C 2E 3C 20 L.< L.< L.< L.<

\*\*\* APS RECORD DUMP \*\*\* Date: 5/04/2005 Time: 12:06  
VID: 022189 VALOC: 018960

071D 30 30 30 20 20 20 20 20 20 20 20 20 20 20 5E 20 20 20 000 ^  
072D 20  
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07AD 20  
07BD 20  
07CD 20  
07DD 20  
07ED 20  
07FD 20 20 20 20 20 20 20 20 20 30 30 30 30 20 20 20 20 20 20 000  
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FILE #1 BLOCK # 0 RECORD # 4

083C 36 35 31 30 30 31 4A 30 39 30 31 41 41 41 4A 41 45 651001J0901AAJAE  
084C 54 47 30 30 31 30 31 53 20 56 53 20 20 20 20 20 TG00101S VS  
085C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
086C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
087C 20 20 20 20 56 4E 54 41 4E 20 53 4F 4E 20 4E VNTAN SON N  
088C 48 46 2D 31 30 32 20 20 20 30 30 32 30 30 32 30 HF-102 0020020  
089C 31 30 30 31 30 30 32 4D 41 20 30 30 30 54 20 46 10001002MA 00T F  
08AC 54 56 4E 20 20 20 53 55 58 53 31 39 39 34 30 38 TVN SUXS199408  
08BC 20 20 20 20 20 20 30 30 30 30 30 53 30 30 30 30 00000S000  
08CC 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 20 000E 00000S0000000E  
08DC 20 20 20 30 30 30 30 30 53 30 30 30 30 30 30 30 00000 00000  
08EC 20 20 20 20 20 20 20 20 20 20 20 30 30 30 30 30 08FC 53 30 30 30 30 30 45 20 20 20 20 20 20 20 20 20 0000000E  
090C 20 20 20 30 30 30 30 30 53 30 30 30 30 30 30 30 0007N BC 600  
091C 20 46 30 32 30 37 4E 20 42 43 20 20 20 36 30 30 000  
092C 30 30 30 20 20 20 20 20 20 20 20 20 20 5E 20 20 20 093C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
094C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 095C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
096C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 097C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
098C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 099C 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
09AC 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 09BC 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
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0A0C 20 20 20 20 20 20 20 20 30 30 30 20 20 20 20 20 0A1C 20 30 37 31 30 30 33 32 30 30 30 30 20 20 20 20 000  
0A2C 20 30 30 30 20 20 20 20 30 37 31 30 30 32 30 0A3C 30 30 30 20 20 20 20 30 37 31 30 30 32 0000 071002  
0A4C 20 20 20 20 20 20 20 20 30 30 30 20 20 20 20 20 0A5B 36 35 31 30 30 31 4A 33 36 33 34 41 41 41 4A 41 4A 651001J3634AAJAJ  
0A5B 4B 46 30 30 34 30 34 53 20 42 52 20 20 20 20 20 KF00404S BR  
0A6B 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 0A7B 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
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0A9B 20 46 2D 31 30 35 20 20 20 30 30 34 30 30 39 30 F-105 0040090

FILE #1 BLOCK # 0 RECORD # 5

0A4B 36 35 31 30 30 31 4A 33 36 33 34 41 41 41 4A 41 4A 651001J3634AAJAJ  
0A5B 4B 46 30 30 34 30 34 53 20 42 52 20 20 20 20 20 KF00404S BR  
0A6B 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 0A7B 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0A8B 20 20 20 20 20 4C 41 54 41 4B 48 4C 49 20 20 20 LATAKHLI  
0A9B 20 46 2D 31 30 35 20 20 20 30 30 34 30 30 39 30 F-105 0040090

\*\*\* AFS RECORD DUMP \*\*\* Date: 5/04/2005 Time: 12:06  
VID: O2189 VALOC: 018960

0AAB 31 36 31 35 31 36 32 35 44 50 20 30 30 54 20 52 16151625DP 00T R  
0ABB 41 4C 41 20 20 20 53 4C 32 30 34 33 30 30 4E 31 ALA SL204300N1  
0ACB 30 34 32 39 30 30 45 30 30 30 30 53 30 30 30 042900E00000S000  
0ADB 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 000E  
0AEB 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
0AFB 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 00000  
0B0B 53 30 30 30 30 30 30 45 20 20 20 20 20 20 20 20 00000  
0B1B 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 S000000E  
0B2B 20 4D 32 35 30 39 4E 20 4F 43 20 20 20 36 30 30 00000S000000E  
0B3B 30 30 30 20 20 20 20 20 20 20 20 20 5E 30 20 20 M2509N OC 600  
0B4B 20 20 20 20 20 20 20 20 20 30 30 30 30 30 53 30 000  
0B5B 30 30 30 30 45 20 20 20 20 20 20 32 31 30 30 37 0000E 21007  
0B6B 20 33 20 48 20 20 20 20 20 20 20 20 20 20 20 20 3 H  
0B7B 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0B8B 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 57 20 W  
0B9B 20 20 20 20 30 30 34 30 30 32 34 30 30 30 30 20 20 0040024000  
0BAB 20 30 37 39 39 43 33 30 30 30 31 39 36 38 30 30 0799C3000196800  
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0BCB 20 53 20 36 41 55 4E 20 20 31 20 20 20 20 20 20 000  
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0C1B 20 20 20 20 20 20 20 20 20 2E 3C 20 4C 2E 3C 20 .< L.<  
0C2B 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<  
0C3B 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<  
0C4B 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<

FILE #1 BLOCK # 0 RECORD # 6  
0C5A 36 35 31 30 30 31 4A 33 36 33 34 41 41 41 4A 41 4A  
0C6A 4B 46 30 30 34 30 34 53 20 42 52 20 20 20 20 20 20  
0C7A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0C8A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0C9A 20 20 20 20 4C 41 54 41 4B 48 4C 49 20 20 20 000  
0CAA 20 46 2D 31 30 35 20 20 20 30 30 34 30 30 39 30 000  
0CBA 31 36 31 35 31 36 32 35 44 50 20 30 30 54 20 52 000  
0CCA 41 4C 41 20 20 20 53 4C 32 30 34 33 30 30 4E 31 000  
0CDA 30 34 32 39 30 30 45 30 30 30 30 30 53 30 30 30 000  
0CEA 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 20 000  
0CFA 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
0DOA 20 20 20 20 20 20 20 20 20 20 20 30 30 30 30 30 00000  
0D1A 53 30 30 30 30 30 45 20 20 20 20 20 20 20 20 20 000  
0D2A 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
0D3A 20 4D 32 35 30 39 4E 20 4F 43 20 20 20 36 30 30 M2509N OC 600  
0D4A 30 30 30 20 20 20 20 20 20 20 20 20 5E 20 20 20 000  
0D5A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0D6A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0D7A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0D8A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0D9A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0DAA 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0DEA 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0DFA 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0EOA 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0E1A 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 000  
0E2A 20 20 20 20 20 20 20 20 20 2E 3C 20 4C 2E 3C 20 .< L.<  
0E3A 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<  
0E4A 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<

651001J3634AAJAJ  
KF00404S BR

LATAKHLI  
F-105 0040090  
16151625DP 00T R  
ALA SL204300N1  
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000E  
00000S000000E  
00000  
S000000E  
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M2509N OC 600  
000

\*\*\* APS RECORD DUMP \*\*\* Date: 5/04/2005 Time: 12:06  
VID: 022189 VALOC: 018960

0E5A 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C L.< L.< L.< L.<

FILE #1 BLOCK # 0 RECORD # 7

0E69 36 35 31 30 30 31 4A 33 36 33 34 41 41 4A 41 4A 651001J3634AAJAJ  
0E79 4B 46 30 30 34 30 34 53 20 42 52 20 20 20 20 20 KF00404S BR  
0E89 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0E99 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0EA9 20 20 20 20 4C 41 54 41 4B 48 4C 49 20 20 20 20 LATAKHLI  
0EB9 20 46 2D 31 30 35 20 20 20 30 30 34 30 30 39 30 F-105 0040090  
0EC9 31 36 31 35 31 36 32 35 44 50 20 30 30 54 20 52 16151625DP 00T R  
0ED9 41 4C 41 20 20 20 53 4C 32 30 34 33 30 30 4E 31 ALA SL204300N1  
0EE9 30 34 32 39 30 30 45 30 30 30 30 53 30 30 30 30 042900E00000S000  
0EF9 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 20 000E  
0F09 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
0F19 20 20 20 20 20 20 20 20 20 20 30 30 30 30 30 30 00000  
0F29 53 30 30 30 30 30 30 45 20 20 20 20 20 20 20 20 S000000E  
0F39 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
0F49 20 4D 32 35 30 39 4E 20 4F 43 20 20 20 36 30 30 M2509N OC 600  
0F59 30 30 30 20 20 20 20 20 20 20 20 5E 20 20 20 20 000  
0F69 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0F79 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0F89 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0F99 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0FA9 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0FB9 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0FC9 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0FD9 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0FE9 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
0FF9 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
1009 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
1019 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
1029 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
1039 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 .< L.<  
1049 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<  
1059 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 4C 2E 3C 20 L.< L.< L.< L.<  
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FILE #1 BLOCK # 0 RECORD # 8

1078 36 35 31 30 30 31 4A 33 36 33 34 41 41 4A 41 4A 651001J3634AAJAJ  
1088 4B 46 30 30 34 30 34 53 20 42 52 20 20 20 20 20 KF00404S BR  
1098 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
10A8 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
10B8 20 20 20 20 4C 41 54 41 4B 48 4C 49 20 20 20 LATAKHLI  
10C8 20 46 2D 31 30 35 20 20 20 30 30 34 30 30 39 30 F-105 0040090  
10D8 31 36 31 35 31 36 32 35 44 50 20 30 30 54 20 52 16151625DP 00T R  
10E8 41 4C 41 20 20 20 53 4C 32 30 34 33 30 30 4E 31 ALA SL204300N1  
10F8 30 34 32 39 30 30 45 30 30 30 30 53 30 30 30 30 042900E00000S000  
1108 30 30 30 45 20 20 20 20 20 20 20 20 20 20 20 20 000E  
1118 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
1128 20 20 20 20 20 20 20 20 20 20 20 30 30 30 30 30 00000  
1138 53 30 30 30 30 30 30 45 20 20 20 20 20 20 20 20 S000000E  
1148 20 20 20 30 30 30 30 53 30 30 30 30 30 30 30 45 00000S000000E  
1158 20 4D 32 35 30 39 4E 20 4F 43 20 20 20 36 30 30 M2509N OC 600  
1168 30 30 30 20 20 20 20 20 20 20 20 5E 20 20 20 20 000  
1178 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
1188 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
1198 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
11A8 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
11B8 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
11C8 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  
11D8 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20

\*\*\* APS RECORD DUMP \*\*\* Date: 5/04/2005 Time: 12:06  
VID: 02189 VALOC: 018960

11E8	≥0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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1208	≥0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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1228	≥0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1238	≥0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1248	≥0	20	20	20	20	20	20	20	2E	3C	20	4C	2E	3C	20		< L. <
1258	4C	2E	3C	20	L. < L. < L. < L. <												
1268	4C	2E	3C	20	L. < L. < L. < L. <												
1278	4C	2E	3C	20	4C	2E	3C	20	4C	2E	3C	20	4C	2E	3C		L. < L. < L. < L. <

FILE #1 BLOCK # 0 RECORD # 9

1287	3	6	35	31	30	30	31	4A	33	36	33	34	41	41	4A	41	4A	651001J3634AAJAJ
1297	4	B	46	30	30	34	30	34	53	20	42	52	20	20	20	20	20	KF00404S BR
12A7	2	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
12B7	2	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
12C7	2	0	20	20	20	20	4C	41	54	41	4B	48	4C	49	20	20	20	LATAKHLI
12D7	2	0	46	2D	31	30	35	20	20	20	30	30	34	30	30	39	30	F-105 0040090
12E7	3	1	36	31	35	31	36	32	35	44	50	20	30	30	54	20	52	16151625DP 00T R
12F7	4	1	4C	41	20	20	20	53	4C	32	30	34	33	30	30	30	31	ALA SL204300N1
1307	3	0	34	32	39	30	30	45	30	30	30	30	30	53	30	30	30	042900E00000S000
1317	3	0	30	30	45	20	20	20	20	20	20	20	20	20	20	20	20	000E
1327	2	0	20	20	30	30	30	30	30	53	30	30	30	30	30	30	45	00000S000000E
1337	2	0	20	20	20	20	20	20	20	20	20	20	30	30	30	30	30	00000
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1357	2	0	20	20	20	30	30	30	30	30	53	30	30	30	30	30	45	00000S000000E
1367	2	0	4D	32	35	30	39	4E	20	4F	43	20	20	20	36	30	30	M2509N OC 600
1377	3	0	30	30	30	20	20	20	20	20	20	20	20	5E	20	20	20	000
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13C7	2	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
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1457	2	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
1467	2	0	31	33	32	30	31	32	31	20	30	30	34	30	30	32	34	1320121 0040024
1477	3	0	30	30	30	20	20	20	20	30	37	32	32	30	30	30	30	0000 0722000
1487	3	0	30	30	30	20	20	20	20	20	2E	3C	20	4C	2E	3C	0000 .< L.<	