



List of Scanned Technical Documentation

Records About Air Sorties Flown in Southeast Asia, created, 1/1970-6/1975, documenting the period 1/1970-6/1975 (Southeast Asia Database (SEADAB) of Air Sorties)
NN3-218-76-027

Records of the U.S. Joint Chiefs of Staff (Record Group 218)

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NARA Processing Materials

Available Upon Request

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Supplementary User Note

Records About Air Sorties Flown in Southeast Asia, 1/1970 – 6/1975
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Records of the U.S. Joint Chiefs of Staff (Record Group 218)

The documentation that accompanied the data to NARA is dated May 12, 1975. Thus the codes in the documentation are of that date. The meanings of some of these codes may have evolved during the preceding five years when the system was operational.

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USER NOTE

System and/or File Title: **Southeast Asia Database (SEADAB) of Air Sorties, January 1970 – June 1975**

I. Introduction

The Southeast Asia Database (SEADAB) of Air Sorties data series was created in 1970 by the Office of the Joint Chiefs of Staff (OJCS), J-3 (Operations) and maintained through 1975 to provide information on air combat activities in Southeast Asia. Information for the data series was created from the 7th Air Force squadron debriefing reports from units in the theater. Included are United States Air Force, Army, Navy, and Marine Corps air operations, as well as operations in which the South Vietnamese, Royal Laotian, Cambodian and Royal Australian Air Forces took part.

There is one record for each mission scheduled. However, some missions may have one or more records. Each record contains the "frag" data (service, aircraft type, number, unit, date, and target); "flown" data (number flown, flying hours, target country area, launch base, and service); "deviation" data (cause, type, and number of aircraft); "load" data (type of ordnance and quantity); "target results" data (target type, status, number affected, and location); and "loss / damage" data (location, cause, and new status). Within each record these data are organized by a Control Set (mission, date, and number), Fixed Set (frag and flown data), Periodic Set 1 (deviation data), Periodic Set 2 (target / load data), and Periodic Set 3 (loss / damage data).

The Office of the Secretary of Defense (OSD), Regional Programs (REPRO), the Office of the Assistant Secretary of Defense Comptroller (OASD/COMPT), and OJCS, J-3, Operations Statistics Section, received information from SEADAB. Additionally, the data in SEADAB were used to produce twenty-six daily, weekly, monthly, and as-required reports including "Summarized Tables of Combat Sorties and Losses in Southeast Asia," "Helicopter Sorties and Losses in Southeast Asia," "Detailed Report of Missions with Results in North Vietnam," and "U.S. Combat Sorties in North Vietnam and the Gulf of Tonkin."

SEADAB is the successor file to the Combat Activities (CACTA) data series. CACTA contains similar but not identical data for the period October, 1965 through January, 1971. The Combat Air Summaries (OPREA) data series, 1962 – 1973, also contains information on air combat missions over South Vietnam, Laos, Cambodia, and the South China Sea. Additionally, OPREA contains information concerning non-combat air missions over the same area.

II. 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 files of the Southeast Asia Database (SEADAB) of Air Sorties data series were transferred to the National Archives and Records Administration (NARA) in the NIPS format. The SEADAB 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.

Title	Date
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
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

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Title	Date
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

III. File Translation Process

Background. The Machine-Readable Archives Division (NNR) of the National Archives and Records Service (NARS) received the original 23 files of the Southeast Asia Database (SEADAB) of Air Sorties data series in the NIPS format. Because the NIPS application was not widely available and IBM's support for 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

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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 23 "de-NIPS'd" files were created using the NIPS application. The table below lists the "de-NIPS'd" SEADAB files created by NNR listing the XMIS number, short title, file / dataset name, and sorted by the short title. The XMIS number is a unique number assigned to each file.

"De-NIPS" Files		
XMIS #	Short Title	File Name
003650	SEADAB_700102	SEADAB_Y700102
008484	SEADAB_700304_VAR	RG218.SEADB.E7003
003651	SEADAB_700506	RG218.SEADB.E7005
008485	SEADAB_700708_VAR	RG128.SEADB.E7007
003652	SEADAB_700910	RG218.SEADB.E7009
003653	SEADAB_701112	RG218.SEADB.E7011
003654	SEADAB_710102	-000005
003655	SEADAB_710304	RG218.SEADB.E7103
003656	SEADAB_710506	RG218.SEADB.E7105
003657	SEADAB_710708	RG218.SEADB.E7107
003658	SEADAB_710910	RG218.SEADB.E7109
003659	SEADAB_711112	RG218.SEADB.E7111
003660	SEADAB_720102	RG218.SEADB.E7201
003661	SEADAB_720304	RG218.SEADB.E7203
003662	SEADAB_720506	RG218.SEADB.E7205
003663	SEADAB_720708	RG218.SEADB.E7207
003664	SEADAB_720910	RG218.SEADB.E7209
003665	SEADAB_721112	RG218.SEADB.E7211
003666	SEADAB_730103	RG218.SEADB.E7301
003667	SEADAB_730408	RG218.SEADB.E7304
003670	SEADAB_730812	SEADAB 8-12/73
003668	SEADAB_740112	RG218.SEADB.E7401
003669	SEADAB_750106	RG218.SEADB.E7501

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.

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File Identification. The SEADAB 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. SEADAB 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 SEADAB, 1970 – 1975 is NN3-218-76-027. The SEADAB NIPS files had the following data in the previously described fields: an accession number of 218-1976-027, the alphabetic character string of "SEADAB" and "NIPS" in the short title, and the alphabetic character string of "SEADAB.N" in the file name. Additionally each file has a unique number in the APS catalog database know as an XMIS number which is the field "fxno" in the File Master table. The following is a lists of the 23 SEADAB NIPS files identified from the APS catalog.

XMIS #	Accession Number	Short Title	File Name
008167	218-1976-027	SEADAB_700102_NIPS	RG218.SEADB.N7001
008168	218-1976-027	SEADAB_700304_NIPS	RG218.SEADB.N7003
008169	218-1976-027	SEADAB_700506_NIPS	RG218.SEADB.N7005
008170	218-1976-027	SEADAB_700708_NIPS	RG218.SEADB.N7007
008171	218-1976-027	SEADAB_700910_NIPS	RG218.SEADB.N7009
012779	218-1976-027	SEADAB_701112_NIPS	RG218.SEADB.N7011
008172	218-1976-027	SEADAB_710102_NIPS	RG218.SEADB.N7101
008173	218-1976-027	SEADAB_710304_NIPS	RG218.SEADB.N7103
008174	218-1976-027	SEADAB_710506_NIPS	RG218.SEADB.N7105
015221	218-1976-027	SEADAB_710708_NIPS	SEADABS
008175	218-1976-027	SEADAB_710910_NIPS	RG218.SEADB.N7109
008176	218-1976-027	SEADAB_711112_NIPS	RG218.SEADB.N7111
008177	218-1976-027	SEADAB_720102_NIPS	RG218.SEADB.N7201
008178	218-1976-027	SEADAB_720304_NIPS	RG218.SEADB.N7203
008179	218-1976-027	SEADAB_720506_NIPS	RG218.SEADB.N7205
008541	218-1976-027	SEADAB_720708_NIPS	RG218.SEADB.N7207
008542	218-1976-027	SEADAB_720910_NIPS	RG218.SEADB.N7209
008543	218-1976-027	SEADAB_721112_NIPS	RG218.SEADB.N7211
008544	218-1976-027	SEADAB_730103_NIPS	RG218.SEADB.N7301
008545	218-1976-027	SEADAB_730408_NIPS	RG218.SEADB.N7304
008804	218-1976-027	SEADAB_730812_NIPS	RG218.SEADB.N7308
008805	218-1976-027	SEADAB_740112_NIPS	RG218.SEADB.N7401
010653	218-1976-027	SEADAB_750106_NIPS	RG218.SEADB.N7501

Reference Request. A copy of the 23 SEADAB NIPS files were requested on compact disk (CD) with a specification that the records be padded to the longest record length. The SEADAB NIPS files had been preservation copied 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 NIPS file with the short title of SEADAB_710708_NIPS, the file name of SEADABS and XMIS number 015221 could not

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be found. The de-NIPS file with the short title of SEADAB_710708, file name RG218.SEADB.E7107, and XMIS number 003657 was requested on CD as a substitution.

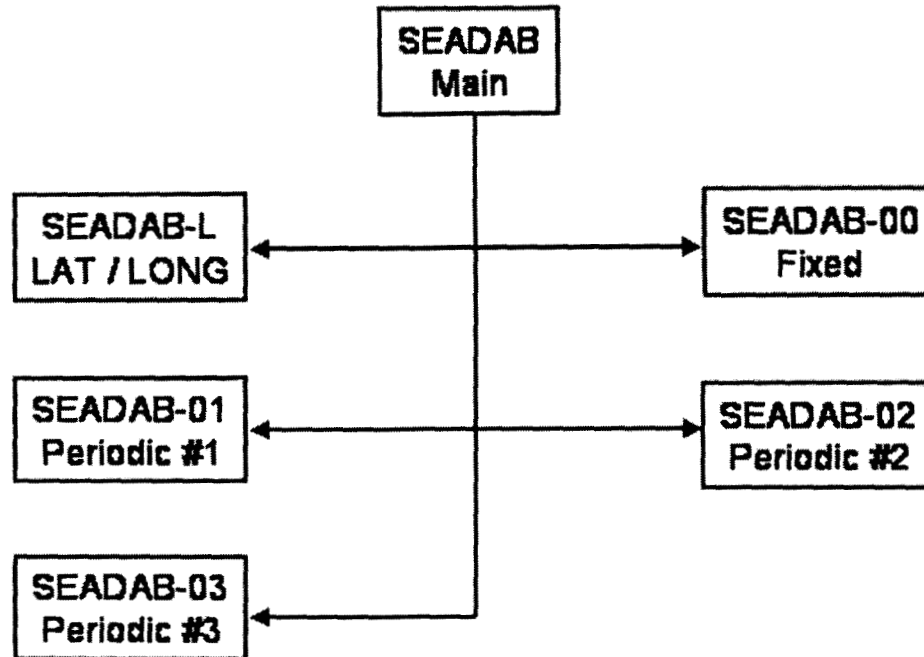
The following is the process used to copy the SEADAB NIPS files.

1. The files were tape mapped to determine the longest record length which was determined to be 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 files were copied as fixed blocks, padded to the longest record length, 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.

NIPS Files. The NIPS files were converted into the new fixed length format by using six programs written in Common Business-Oriented Language (COBOL). The COBOL programs were created using MERANT Micro Focus Personal COBOL for Windows 3.1 V 1.1 (PCS). The program SEADAB (Folder 3, Main Program Text File) is the main program and it calls the other five programs. SEADAB-L (Folder 4, Latitude Longitude Conversion Program Test File) is the sub-program that translates the six Latitude/Longitude fields. SEADAB-00 (Folder 5, ASCII Conversion Sub-Program Text File) is the sub-program that translates the EBCDIC characters in the fixed set into Extended ASCII characters. SEADAB-01 (Folder 6, Periodic Set 1 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #1 into Extended ASCII characters. SEADAB-02 (Folder 7, Periodic Set 2 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #2 into Extended ASCII characters. SEADAB-03 (Folder 8, Periodic Set 3 Sub-Program Text File) is the sub-program that translates the EBCDIC characters in Periodic Set #3 into Extended ASCII characters.

NIPS Translation Program Schematic.



De-NIPS File. A single De-NIPS file was translated as a substitution for the missing NIPS file. The de-NIPS file was RG218.SEADB.E7107 (file name). This file has the short title of SEADAB_710708 and XMIS number of 003657. A single COBOL program was developed to convert the data from the De-NIPS file into the same fixed length format as the other translation files. The translation program was not preservation copied as an electronic text file. A textual copy of the translation program is in Folder 9.

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 SEADAB, there were four different record types (one fixed type and three 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 SEADAB 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

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more "Periodic Sets". There are three different types of Periodic Sets in SEADAB. To illustrate this, here are four hypothetical Data Records:

Data Record 1 = Fixed Set A + Periodic Set #1 A1 + Periodic Set #2 A2 + Periodic Set#3 A3
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 D1 + Periodic Set #2 D2 + Periodic Set#2 D3

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 274 record positions. Each record includes the record positions for the fixed set and each of the 3 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 #1 A1 + Periodic Set #2 A2 + Periodic Set #3 A3
Fixed Set B
Fixed Set C + Periodic Set #1 C1
Fixed Set C + Periodic Set #1 C2
Fixed Set D + Periodic Set #1 D1 + Periodic Set #2 D2
Fixed Set D + Periodic Set#2 D3

Original Data Editing and Verification.

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

In examining the information currently on the SEADAB files, it appears that editing and verification of the SEADAB 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.

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The LATLONG field presented a special problem. This was a latitude/longitude field, 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.

aa – Two zero bits, unused.

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.

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

ggggggggggggggggggggggggg – 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 **ddtttDDDtttX**, 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

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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.

Non-Graphic Characters. Each non-graphic character, found in the SEADAB NIPS files, was changed to the caret (^) graphic character in the converted files. The following is a lists of the EBCDIC characters changed to a caret (^).

NIPS File		Translated File	
Hexadecimal	EBCDIC	Hexadecimal	ASCII
00	Null	5E	Caret (^)
02	Start of Text	5E	Caret (^)
12	Device Control 2	5E	Caret (^)
15	New Line	5E	Caret (^)
16	Backspace	5E	Caret (^)
1A	Cursor Control	5E	Caret (^)
23	No meaning	5E	Caret (^)
31	No meaning	5E	Caret (^)
35	Reader Stop	5E	Caret (^)
37	End of Transmission	5E	Caret (^)
4A	Cent Sign	5E	Caret (^)
4F	No meaning	5E	Caret (^)
55	No meaning	5E	Caret (^)
5F	Logical NOT	5E	Caret (^)
9C	No meaning	5E	Caret (^)
B3	No meaning	5E	Caret (^)
B7	No meaning	5E	Caret (^)
BB	No meaning	5E	Caret (^)
CB	No meaning	5E	Caret (^)
FF	No meaning	5E	Caret (^)

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ASCII Conversion. Some changes were made to the translated files. The original SEADAB NIPS files were coded in the 8-bit Extended Binary Coded Decimal Interchange Code (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. A SEADAB NIPS file was used as an initial test file to check and refine the translation programs. The file RG218.SEADB.N7105 (XMIS # 008174) 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 22 SEADAB NIPS files and 1 SEADAB De-NIPS file were translated and copied to CDRs. The first table below lists the original SEADAB 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). The second table below lists the original SEADAB De-NIPS file (with the respective XMIS number and number of records per file) and the resulting translated file (with the respective XMIS number and number records).

NIPS Files			Translation Files		
XMIS #	File Name	# of Records	XMIS #	File Name	# of Records
008167	RG218.SEADB.N7001	115,774	083599	SEADAB.TR.7001	80,411
008168	RG218.SEADB.N7003	131,932	083600	SEADAB.TR.7003	89,256
008169	RG218.SEADB.N7005	119,119	083601	SEADAB.TR.7005	78,697
008170	RG218.SEADB.N7007	94,073	083602	SEADAB.TR.7007	63,195
008171	RG218.SEADB.N7009	87,108	083603	SEADAB.TR.7009	60,184
012779	RG218.SEADB.N7011	104,053	083604	SEADAB.TR.7011	72,808
008172	RG218.SEADB.N7101	124,730	083605	SEADAB.TR.7101	90,834
008173	RG218.SEADB.N7103	148,395	083606	SEADAB.TR.7103	106,454
008174	RG218.SEADB.N7105	116,046	083607	SEADAB.TR.7105	82,246
008175	RG218.SEADB.N7109	91,203	083608	SEADAB.TR.7109	62,700
008176	RG218.SEADB.N7111	108,814	083609	SEADAB.TR.7111	77,050
008177	RG218.SEADB.N7201	118,539	083610	SEADAB.TR.7201	84,254
008178	RG218.SEADB.N7203	137,466	083611	SEADAB.TR.7203	93,071
008179	RG218.SEADB.N7205	177,032	083612	SEADAB.TR.7205	117,717
008541	RG218.SEADB.N7207	168,810	083613	SEADAB.TR.7207	111,849
008542	RG218.SEADB.N7209	140,081	083614	SEADAB.TR.7209	96,332
008543	RG218.SEADB.N7211	134,907	083615	SEADAB.TR.7211	92,008
008544	RG218.SEADB.N7301	136,284	083616	SEADAB.TR.7301	93,453
008545	RG218.SEADB.N7304	148,660	083617	SEADAB.TR.7304	105,641
008804	RG218.SEADB.N7308	53,741	083618	SEADAB.TR.7308	42,124
008805	RG218.SEADB.N7401	132,099	083619	SEADAB.TR.7401	104,716
010653	RG218.SEADB.N7501	37,248	083620	SEADAB.TR.7501	28,338

De-NIPS Files			Translation Files		
XMIS #	File Name	# of Records	XMIS #	File Name	# of Records
003657	RG218.SEADB.E7107	62,248	091387	SEADAB.TR.7107	62,248

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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 23 SEADAB translated files. The 22 SEADAB NIPS files were not verified in AERIC because of the file structure previously described.

IV. Agency Documentation

Acidic Paper. The paper of the agency documentation for the Application File Description, March 1975 was determined to be slightly acidic. A copy of the documentation was made on non-acidic paper and is filed immediately before the original agency documentation.

Record Layout. There is a NARA created record layout for the Southeast Asia Database (SEADAB) of Air Sorties files. This layout was created from the information found in the original agency documentation. The record layout has been preservation copied as a text file with the file name of SEADAB.TR.LAY.

V. Date Ranges of Records in the Series

Summary. The dates of the records in the Southeast Asia Database (SEADAB) of Air Sorties range from January 1, 1970 – June 30, 1975. 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
SEADAB.TR.7001	January 1, 1970	February 28, 1970
SEADAB.TR.7003	March 1, 1970	April 30, 1970
SEADAB.TR.7005	May 1, 1970	June 30, 1970
SEADAB.TR.7007	July 1, 1970	August 31, 1970
SEADAB.TR.7009	September 1, 1970	October 31, 1970
SEADAB.TR.7011	November 1, 1970	December 31, 1970
SEADAB.TR.7101	January 1, 1971	February 28, 1971
SEADAB.TR.7103	March 1, 1971	April 30, 1971
SEADAB.TR.7105	May 1, 1971	June 30, 1971
SEADAB.TR.7107	July 1, 1971	August 31, 1971
SEADAB.TR.7109	September 1, 1971	October 31, 1971
SEADAB.TR.7111	November 1, 1971	December 31, 1971
SEADAB.TR.7201	January 1, 1972	February 29, 1972
SEADAB.TR.7203	March 1, 1972	April 30, 1972
SEADAB.TR.7205	May 1, 1972	June 30, 1972
SEADAB.TR.7207	July 1, 1972	August 30, 1972
SEADAB.TR.7209	September 1, 1972	October 31, 1972
SEADAB.TR.7211	November 1, 1972	December 31, 1972
SEADAB.TR.7301	January 1, 1973	March 31, 1973
SEADAB.TR.7304	April 1, 1973	August 15, 1973
SEADAB.TR.7308	August 16, 1973	December 31, 1973
SEADAB.TR.7401	January 1, 1974	December 31, 1974

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

File Name	Start Date	End Date
SEADAB.TR.7501	January 1, 1975	June 30, 1975

VI. 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 grouped by data file, listed alphabetically by Data Field Name, and are described below.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, January 1 – February 28, 1970 (SEADAB.TR.7001)

- Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A number of records contain the values of 4 – 8.
- Crew Status – Part One: The Application File Description, March 1975, lists the expected alphabetic values found in the Status of Crew Table (CREWTAB) for the data element LCRWSTA in Record Position 245. A single record contains the value of 1.
- Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A small number of records contain the values of 5, P, & a caret (^).
- Direction of Target Movement: The Application File Description, March 1975, lists the expected alphabetic values found in the Target Movement Table (MOVES) for the data element ARRCMOV in Record Position 129. The records do not contain the expected values but contain the values of 0 – 9, A, B, and D.
- Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A number of records contain the values of 6 – 9.
- Fragged In – Out Country Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of I and O for the data element FIOCTRY in Record Position 17. A small number of records contain the value of U.
- Mission Function: The Application File Description, March 1975, lists the expected alphanumeric values found in the Mission Function Table (MFTAB) for the data element LMFUNC in Record Position 231. A single record contains the values of UU.
- Reason for Deviation: The Application File Description, March 1975, lists the expected alphanumeric values found in the Deviation and Reason and Reason Description Table (DEVRSTB) for the data element REASDEV in

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Record Positions 113 – 114. A number of records contain the values of 1 – 4, BE, BR, BW, SE, and SL.

Service Incurring Loss or Damage: The Application File Description, March 1975, lists the expected alphabetic values found in the Service Code (SERVS) for the data element LSERVE in Record Position 213. A single record contains the value of I.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A number of records contain the values of 70, R, BS, and UU.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of FW, G, OW, RR, SO, TA, TF, TR, and W.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, March 1 – April 30, 1970 (SEADAB.TR.7003)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A number of records contain the values of 4 – 8.

Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the values of 3 and 5.

Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A small number of records contain the values of 5 and P.

Direction of Target Movement: The Application File Description, March 1975, lists the expected alphabetic values found in the Target Movement Table (MOVES) for the data element ARRCMOV in Record Position 129. The records do not contain the expected values but contain the values of 0 – 9, A – C, and E.

Equipment Used for Attacking the Target: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCSTK in Record Position 128. A number of records contain the values of 0 and 6 – 9.

Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A number of records contain the values of 0 and 6 – 9.

Fragged Service: The Application File Description, March 1975, lists the expected alphabetic values of A, K, L, M, N, R, and V for the data element FSERVE in Record Position 18. A single record contains the value of J.

Reason for Deviation: The Application File Description, March 1975, lists the expected alphanumeric values found in the Deviation and Reason and

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Reason Description Table (DEVRSTB) for the data element REASDEV in Record Positions 113 – 114. A number of records contain the values of 1 – 4, BE, BR, BW, SE, SL, and UU.

Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LDRTPKG in Record Positions 238 - 239. A single record contains the value of 65.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A number of records contain the values of 00, 63, and 68.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of G, O1, OW, RG, RR, SO, TA, TF, TR, and W.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, May 1 – June 30, 1970 (SEADAB.TR.7005)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A number of records contain the values of 4 – 8.

Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the value of 5.

Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A single record contains the value of 7.

Fragged Flight Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFFOL in Record Position 60. A single record contains the value of 5.

Reason for Deviation: The Application File Description, March 1975, lists the expected alphanumeric values found in the Deviation and Reason and Reason Description Table (DEVRSTB) for the data element REASDEV in Record Positions 113 – 114. A number of records contain the value of UU.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area

Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A number of records contain the values of 0, 70, 88, 94, and 96.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of AR, EW, FS, G, OW, TA, TF, TR, W and W5.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, July 1 – August 31, 1970 (SEADAB.TR.7007)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A number of records contain the values of 4 – 8.

Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the values of 3 and 5.

Direction of Target Movement: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Movement Table (MOVES) for the data element ARRCMOV in Record Position 129. A number of records contain the value of 0.

Equipment Used for Attacking the Target: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCSTK in Record Position 128. A number of records contain the value of 0.

Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A number of records contain the value of 0.

Route Package Where Hit: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 - 237. A single record contains the value of 9.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A number of records contain the values of 60, 74, and 85.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for

the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of FW, G, OW, TA, TF, TR, and W.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, September 1 – October 31, 1970 (SEADAB.TR.7009)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A number of records contain the values of 4 – 8.

Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the values of 3 and 5.

Direction of Target Movement: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Movement Table (MOVES) for the data element ARRCMOV in Record Position 129. A number of records contain the value of 0.

Equipment Used for Attacking the Target: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCSTK in Record Position 128. A number of records contain the value of 0.

Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A number of records contain the value of 0.

Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the value of 0.

Fragged Flight Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFFOL in Record Position 60. A small number of records contain the value of a caret (^), indicating a non-graphic character.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of FW, G, OW, RR, TA, TF, TR, and W.

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Southeast Asia Database of Air Sorties (SEADAB) Translation File, November 1 – October 31, 1970 (SEADAB.TR.7011)

- Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A number of records contain the values of 4 – 8.
- Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the values of 3 and 5.
- Crew Status – Part One: The Application File Description, March 1975, lists the expected alphabetic values found in the Status of Crew Table (CREWTAB) for the data element LCRWSTA in Record Position 245. A single record contains the value of L.
- Direction of Target Movement: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Movement Table (MOVES) for the data element ARRCMOV in Record Position 129. A number of records contain the value of 0.
- Equipment Used for Attacking the Target: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCSTK in Record Position 128. A number of records contain the value of 0.
- Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A number of records contain the value of 0.
- Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the value of 0.
- Route Package Where Hit: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 - 237. A single record contains the value of S.
- Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the value of S.
- Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.
- Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB)

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for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of FW, G, OW, RR, TA, TF, TR, TS, TW, and W.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, January 1 – February 28, 1971 (SEADAB.TR.7101)

- Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the values of 3 and 5.
- Crew Status – Part One: The Application File Description, March 1975, lists the expected alphabetic values found in the Status of Crew Table (CREWTAB) for the data element LCRWSTA in Record Position 245. A small number of records contain the value of 2.
- Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A small number of records contain the value of 0.
- Direction of Target Movement: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Movement Table (MOVES) for the data element ARRCMOV in Record Position 129. A number of records contain the value of 0.
- Equipment Used for Attacking the Target: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCSTK in Record Position 128. A number of records contain the value of 0.
- Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A number of records contain the value of 0.
- Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the value of 5.
- Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.
- Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of FW, G, OW, RR, TA, TF, TR, TS, and W.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, March 1 – April 30, 1971 (SEADAB.TR.7103)

- Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data

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- element LWINING in Record Position 221. A number of records contain the values of 0 and 4 – 8.
- Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the values of 3 and 5.
- Crew Status – Part One: The Application File Description, March 1975, lists the expected alphabetic values found in the Status of Crew Table (CREWTAB) for the data element LCRWSTA in Record Position 245. A small number of records contain the value of 2.
- Direction of Target Movement: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Movement Table (MOVES) for the data element ARRCMOV in Record Position 129. A number of records contain the value of 0.
- Equipment Used for Attacking the Target: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCSTK in Record Position 128. A number of records contain the value of 0.
- Equipment Used for Target Acquisition: The Application File Description, March 1975, lists the expected alphanumeric values found in the Target Acquisition and Weapon Delivery Codes (SDO5AS) for the data element ARRCACQ in Record Position 127. A number of records contain the value of 0.
- Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the value of 5.
- Route Package Where Hit: The Application File Description, March 1975, lists the expected alphabetic values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 -237. A small number of records contain the values of 9M and D.
- Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the values of 71 and 73.
- Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.
- Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of AS, E, FW, G, OW, RR, TA, TF, TR, and W.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, May 1 – June 30, 1971 (SEADAB.TR.7105)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A number of records contain the values of 4 – 8.

Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A small number of records contain the values of 3 and 5.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A number of records contain the values of FW, G, OW, RR, TA, TF, TR, and W.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, July 1 – August 31, 1971 (SEADAB.TR.7107)

Type of Defense Observed: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LDEFTYP in Record Position 226. A single record contains the value of 3.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A single record contains the value of UU.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, September 1 – October 31, 1971 (SEADAB.TR.7109)

Mission Function Flown: The Application File Description, March 1975, lists the expected alphanumeric values found in the Mission Function Table (MFTAB) for the data element MFUNC in Record Positions 71 - 72. A small number of records contain the value of 0.

Stage of Flight: The Application File Description, March 1975, lists the expected alphabetic values found in the Stage of Flight Tactic Table (STAGE) for the data element LSTAGE in Record Position 230. A single record contains the value of 6.

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Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, November 1 – December 31, 1971 (SEADAB.TR.7111)

Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A single record contains the value of 5.

Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the value of 0.

Fragged Target Objective: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element FTGTOBJ in Record Positions 61 – 62. A small number of records contain the values of C, D, H, L, T, and X.

Reason for Deviation: The Application File Description, March 1975, lists the expected alphanumeric values found in the Deviation Reason and Description Table (DEVSTB) for the data element REASDEV in Record Positions 113 - 114. A single record contains the value of AU.

Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LDRTPKG in Record Positions 238 - 239. A small number of records contain the value of 0.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the values of H0 and H3.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, January 1 – February 29, 1972 (SEADAB.TR.7201)

Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A small number of records contain the value of 0.

Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0 and 2.

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Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the value of 0.

Fragged Target Objective: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element FTGTOBJ in Record Positions 61 – 62. A small number of records contain the values of 0, E, X, and Y.

Special Code Flown: The Application File Description, March 1975, lists the expected alphanumeric values found in the Special Operations Table (SPECTAB) for the data element SPECOD in Record Position 84. A small number of records contain the value of 0.

Target Status: The Application File Description, March 1975, lists the expected alphanumeric values found in the Bomb Damage Assessment Table (TSTAB) for the data element STABDA in Record Position 170. A small number of records contain the value of 0.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, March 1 – April 30, 1972 (SEADAB.TR.7203)

Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A single record contains the value of B.

Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0 - 8.

Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the value of 5.

Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the value of 0.

Fragged Target Objective: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element FTGTOBJ in Record Positions 61 – 62. A small number of records contain the value of 8.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area

Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the values of 0, CK, and CW.

Target Status: The Application File Description, March 1975, lists the expected alphanumeric values found in the Bomb Damage Assessment Table (TSTAB) for the data element STABDA in Record Position 170. A single record contains the value of 0.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, May 1 – June 30, 1972 (SEADAB.TR.7205)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A single record contains the value of 0.

Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A single record contains the value of P.

Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0, 5, and C.

Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the value of 0.

Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LDRTPKG in Record Positions 238 - 239. A small number of records contain the value of 4A.

Route Package Where Hit: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 - 237. A small number of records contain the value of 4A.

Target Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element TCALSGN in Record Position 171. A single record contains the value of 0.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the values of 1B and 6.

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Target Status: The Application File Description, March 1975, lists the expected alphanumeric values found in the Bomb Damage Assessment Table (TSTAB) for the data element STABDA in Record Position 170. A single record contains the value of 0.

Target Type: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element TYPBDA in Record Position 170. A small number of records contain the values of 66, 67, 69, and 70.

Type of Defense Observed: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LDEFTYP in Record Position 226. A single record contains the value of 5.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, July 1 – August 30, 1972 (SEADAB.TR.7207)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A small number of records contain the values of 4 and 6.

Crew Status – Part One: The Application File Description, March 1975, lists the expected alphabetic values found in the Status of Crew Table (CREWTAB) for the data element LCRWSTA in Record Position 245. A small number of records contain the value of 1.

Crew Status – Part Two: The Application File Description, March 1975, lists the expected alphabetic values found in the Status of Crew Table (CREWTAB) for the data element LCRWSTBA in Record Position 247. A small number of records contain the value of 1.

Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A single record contains the value of 0.

Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0, 1, 5, and 8.

Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the value of 0.

Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table

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- (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the values of 0 and 8.
- Fragged Target Objective: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element FTGTOBJ in Record Positions 61 – 62. A small number of records contain the values of 0, 1, and 8.
- Mission Function: The Application File Description, March 1975, lists the expected alphanumeric values found in the Mission Function Table (MFTAB) for the data element LMFUNC in Record Position 231. A small number of records contain the values of O4 and O5.
- Route Package Where Hit: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 - 237. A small number of records contain the values of 1B and 6.
- Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the values of 7, 9, 68, E, K0, L0, O1, and PF.
- Target Type: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element TYPBDA in Record Position 170. A small number of records contain the values of 66, 68, 69, and 88.
- Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the values of CL and OD.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, September 1 – October 31, 1972 (SEADAB.TR.7209)

- Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A small number of records contain the value of 4.
- Cause of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Cause of Loss / Damage Table (CAUTAB) for the data element LCAUSE in Record Position 229. A single record contains the value of 4.
- Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A small number of records contain the value of 0.
- Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0, 2, 4, 5, 7, and 8.

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- Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the values of 0 and 5.
- Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the values of 0 and 8.
- Fragged Flight Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFFOL in Record Position 60. A small number of records contain the values of 0 and 9.
- Fragged Target Objective: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element FTGT OBJ in Record Positions 61 – 62. A small number of records contain the values of 0 and 8.
- Mission Function: The Application File Description, March 1975, lists the expected alphanumeric values found in the Mission Function Table (MFTAB) for the data element LMFUNC in Record Position 231. A single record contains the value of V.
- Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LDRTPKG in Record Positions 238 - 239. A small number of records contain the values of M1, M2, and M4.
- Route Package Where Hit: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 - 237. A small number of records contain the value of M4.
- Service Incurring Loss or Damage: The Application File Description, March 1975, lists the expected alphabetic values found in the Service Code (SERVS) for the data element LSERVE in Record Position 213. A small number of records contain the value of U.
- Special Code Flown: The Application File Description, March 1975, lists the expected alphanumeric values found in the Special Operations Table (SPECTAB) for the data element SPECOD in Record Position 84. A small number of records contain the value of 0.
- Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the values of 5B, 6, 68, C0, E, GA, L0, and U0.
- Target Type: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element TYPBDA in Record Position 170. A small number of records contain the values of 66 and 69.

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Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the values of CL and LX.

Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A single record contains the value of 0.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, November 1 – December 31, 1972 (SEADAB.TR.7211)

Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A small number of records contain the values of 4 and 7.

Bombing Encyclopedia Dash: The Application File Description, March 1975, lists the expected special character of a dash (-) for the data element BEDASH in Record Position 193. A single record contains the value of L.

Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A small number of records contain the value of 3.

Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0, 1, 5, 7, 8, 9, C, and Q.

Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the value of 8.

Fragged Target Objective: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element FTGTOBJ in Record Positions 61 – 62. A small number of records contain the values of 8 and S.

Load Status: The Application File Description, March 1975, lists the expected alphabetic values of E, J, R, and T for the data element LSTAT in Record Position 140. A small number of records contain the value of V.

Mission Function: The Application File Description, March 1975, lists the expected alphanumeric values found in the Mission Function Table (MFTAB) for the data element LMFUNC in Record Position 231. A small number of records contain the values of 5 and Z.

Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LD RTPKG in Record Positions 238 - 239. A small number of records contain the values of E1 and M1.

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- Target Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element TCALSGN in Record Position 171. A single record contains the value of 9.
- Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A single record contains the value of O1.
- Target Type: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element TYPBDA in Record Position 170. A small number of records contain the value of 66.
- Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the values of CL and UU.
- Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A single record contains the value of J.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, January 1 – March 31, 1973 (SEADAB.TR.7301)

- Assigned Wing: The Application File Description, March 1975, lists the expected alphanumeric values found in the Active Air Wing table (SD17S) for the data element LWING in Record Position 221. A small number of records contain the value of 4.
- Bombing Encyclopedia Dash: The Application File Description, March 1975, lists the expected special character of a dash (-) for the data element BEDASH in Record Position 193. A single record contains the value of L.
- Crew Status – Part One: The Application File Description, March 1975, lists the expected alphabetic values found in the Status of Crew Table (CREWTAB) for the data element LCRWSTA in Record Position 245. A single record contains the value of L.
- Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0, 2, 5, 8, and 9.
- Flight Flown Following: The Application File Description, March 1975, lists the expected alphanumeric values found in the Flight Following Table (FOLTAB) for the data element FFOL in Record Position 85. A small number of records contain the value of 0.
- Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table

(CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the value of 0.

Fragged Target Objective: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element FTGTOBJ in Record Positions 61 – 62. A small number of records contain the value of 8.

Load Status: The Application File Description, March 1975, lists the expected alphabetic values of E, J, R, and T for the data element LSTAT in Record Position 140. A small number of records contain the value of V.

Mission Function: The Application File Description, March 1975, lists the expected alphanumeric values found in the Mission Function Table (MFTAB) for the data element LMFUNC in Record Position 231. A small number of records contain the values of 5 and Z.

Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LDRTPKG in Record Positions 238 - 239. A small number of records contain the values of E1 and M1.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the values of O1, S0, S2, and SS.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, April 1 – August 15, 1973 (SEADAB.TR.7304)

Duplicate Target Indicator: The Application File Description, March 1975, lists the expected alphanumeric values found in the TFA and DUP Codes (TFACDS) for the data element TTFA in Record Positions 161 - 162. A small number of records contain the values of 0, 2, and 5.

Flown Aircraft Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element CALSGN in Record Position 97. A small number of records contain the value of 0.

Fragged Launch Base: The Application File Description, March 1975, lists the expected alphanumeric values found in the Launch Base Table (LBSTAB) for the data element FLBASE in Record Position 19. A small number of records contain the value of a dash (-).

Launch Base: The Application File Description, March 1975, lists the expected alphanumeric values found in the Launch Base Table (LBSTAB) for the data element LBASE in Record Position 67. A small number of records contain the value of a dash (-).

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Load Status: The Application File Description, March 1975, lists the expected alphabetic values of E, J, R, and T for the data element LSTAT in Record Position 140. A small number of records contain the value of V.

Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LDRTPKG in Record Positions 238 - 239. A small number of records contain the value of M0.

Route Package Where Hit: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 - 237. A single record contains the value of CS.

Service Flying: The Application File Description, March 1975, lists the expected alphabetic values of A, F, K, L, M, N, R, or V for the data element SERVE in Record Positions 65 - 66. A small number of records contain the value of O.

Special Code Flown: The Application File Description, March 1975, lists the expected alphanumeric values found in the Special Operations Table (SPECTAB) for the data element SPECOD in Record Position 84. A small number of records contain the value of 7.

Target Callsign: The Application File Description, March 1975, lists the expected alphanumeric values found in the Calls Converts Callsigns Table (CALLS) for the data element TCALSGN in Record Position 171. A single record contains the value of 0.

Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A single record contains the value of M1.

Target Type: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element TYPBDA in Record Position 170. A single record contains the value of 66.

Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, January 1 - December 31, 1974 (SEADAB.TR.7401)

Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A single record contains the value of 3.

Southeast Asia Database of Air Sorties (SEADAB) Translation File, January 1 – June 30, 1975 (SEADAB.TR.7501)

- Day / Night Indicator: The Application File Description, March 1975, lists the two expected alphabetic values of D and N for the data element DAYNITE in Record Position 83. A single record contains the value of 4.
- Load Status: The Application File Description, March 1975, lists the expected alphabetic values of E, J, R, and T for the data element LSTAT in Record Position 140. A small number of records contain the value of V.
- Route Package Where Downed: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LDRTPKG in Record Positions 238 - 239. A small number of records contain the value of GS.
- Route Package Where Hit: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element LHRTPKG in Record Positions 236 - 237. A small number of records contain the value of GS.
- Target Route Package / Corps: The Application File Description, March 1975, lists the expected alphanumeric values found in the In and Out Country Area Codes (AREAS) for the data element ROUTE in Record Positions 131 - 132. A small number of records contain the value of GS.
- Target Type: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element TYPBDA in Record Position 170. A single record contains the value of 68.
- Type of Loss or Damage: The Application File Description, March 1975, lists the expected alphanumeric values found in the Loss Damage Table (LTAB) for the data element LOSSDAM in Record Positions 227 - 228. A small number of records contain the value of CL.
- Type of Target Attacked: The Application File Description, March 1975, lists the expected alphanumeric values found in the Type Target Struck Table (TTAB) for the data element LTGTTYP in Record Positions 224 - 225. A small number of records contain the value of 68.

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Southeast Asia Database (SEADAB) of Air Sorties
January 1970 - June 1975

Set	Column Name	Title	Data Type	Start Position	End Position	Width	Comments
	RECID	RECORD IDENTIFICATION (GROUP)		1	10	10	See Agency Documentation
	DATE	DATE OF MISSION (SUB-GROUP)		1	6	6	See Agency Documentation
Control	YEAR	Year of Mission	Alphanumeric	1	2	2	See Agency Documentation
Control	MONTH	Month of Mission	Alphanumeric	3	4	2	See Agency Documentation
Control	DAY	Day of Mission	Alphanumeric	5	6	2	See Agency Documentation
	MISID	MISSION IDENTIFICATION (SUB-GROUP)		7	10	4	See Agency Documentation
Control	PREFIX	Mission Prefix Code	Alphanumeric	7	7	1	See Agency Documentation
Control	MISSNO	Mission Identification Number	Alphanumeric	8	10	3	See Agency Documentation
	DATEH	HOTEL DATE OF MISSION (GROUP)		11	16	6	See Agency Documentation
Fixed Fragged	YRH	Hotel Year of Mission	Alphanumeric	11	12	2	See Agency Documentation
Fixed Fragged	MOH	Hotel Month of Mission	Alphanumeric	13	14	2	See Agency Documentation
Fixed Fragged	DAYH	Hotel Day of Mission	Alphanumeric	15	16	2	See Agency Documentation
Fixed Fragged	FIOCTRY	Fragged In / Out Country Indicator	Alphanumeric	17	17	1	See Agency Documentation
Fixed Fragged	FSERVE	Fragged Service	Alphanumeric	18	18	1	See Agency Documentation
Fixed Fragged	FLBASE	Fragged Launch Base	Alphanumeric	19	19	1	See Table LBASTAB
Fixed Fragged	FUNIT	Fragged Unit	Alphanumeric	20	25	6	See Agency Documentation
	FCALSGN	FRAGGED CALLSIGN (GROUP)		26	33	8	See Agency Documentation
Fixed Fragged	FHELICAL	Fragged Helo Callsign	Alphanumeric	26	31	6	See Table CALLS
Fixed Fragged	FHELTSK	Fragged Number of Helo Tasks	Alphanumeric	32	33	2	See Agency Documentation
	FACRFT	FRAGGED AIRCRAFT (GROUP)		34	39	6	See Agency Documentation
Fixed Fragged	FACRTYP	Fragged Aircraft Type / Model	Alphanumeric	34	38	5	See Agency Documentation
Fixed Fragged	FACRSER	Fragged Aircraft Series	Alphanumeric	39	39	1	See Agency Documentation
Fixed Fragged	FNRAC	Number of Aircraft Fragged	Numeric	40	42	3	See Agency Documentation
Fixed Fragged	FMFUNC	Fragged Mission Function	Alphanumeric	43	44	2	See Table MFTAB
	FRTPKG	FRAGGED ROUTE / CORPS TARGET AREA (GROUP)		45	46	2	See Table AREAS
Fixed Fragged	FRTPKA	Fragged Route / Corps 'A'	Alphanumeric	45	45	1	See Agency Documentation
Fixed Fragged	FRTPKB	Fragged Route / Corps 'B'	Alphanumeric	46	46	1	See Agency Documentation
Fixed Fragged	FTIMOT	Fragged Time Over Target	Alphanumeric	47	50	4	See Agency Documentation

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	FFACTGT	FRAGGED OUT-COUNTRY FORWARD AIR CONTROLLER TARGET (GROUP)		51	58	8	See Agency Documentation
Fixed Fragged	FINTBOX	Fragged Out-Country Interdiction Box	Alphanumeric	51	51	1	See Agency Documentation
Fixed Fragged	FTGTPNO	Fragged Out-Country Target / ID Point Number	Alphanumeric	52	56	5	See Agency Documentation
Fixed Fragged	FOPCODE	Fragged Out-Country Operation Code	Alphanumeric	57	58	2	See Agency Documentation
Fixed Fragged	FSPECOD	Fragged Special Code	Alphanumeric	59	59	1	See Agency Documentation
Fixed Fragged	FFFOL	Fragged Flight Following	Alphanumeric	60	60	1	See Table FOLTAB
Fixed Fragged	FTGTBJ	Fragged Target Objective	Alphanumeric	61	62	2	See Table TTAB
Fixed Fragged	FCNTRY	Fragged Target Country	Alphanumeric	63	64	2	See Table CTRY
Fixed Flown	IOCTRY	In / Out Country Flown Indicator	Alphanumeric	65	65	1	See Agency Documentation
Fixed Flown	SERVE	Service Flying	Alphanumeric	66	66	1	See Agency Documentation
Fixed Flown	LBASE	Launch Base	Alphanumeric	67	67	1	See Table LBASTAB
Fixed Flown	NRAC	Number of Aircraft Flown	Numeric	68	70	3	
Fixed Flown	MFUNC	Mission Function Flown	Alphanumeric	71	72	2	See Table MFTAB
	RTPKG	FLOWN ROUTE / CORPS TARGET AREA (GROUP)		73	74	2	See Table AREAS
Fixed Flown	RTPKA	Route / Corps 'A' Flown	Alphanumeric	73	73	1	See Agency Documentation
Fixed Flown	RTPKB	Route / Corps 'B' Flown	Alphanumeric	74	74	1	See Agency Documentation
Fixed Flown	FLYHR	Flying Hours Flown	Alphanumeric	75	78	4	See Agency Documentation
Fixed Flown	TIMOT	Time Over Target	Alphanumeric	79	82	4	See Agency Documentation
Fixed Flown	DAYNITE	Day / Night Indicator	Alphanumeric	83	83	1	See Agency Documentation
Fixed Flown	SPECOD	Special Code Flown	Alphanumeric	84	84	1	See Agency Documentation
Fixed Flown	FFOL	Flight Flown Following	Alphanumeric	85	85	1	See Table FOLTAB
Fixed Flown	AABRTIM	Air Abort Time	Alphanumeric	86	88	3	See Agency Documentation
Fixed Flown	VNOVFLT	Number of North Vietnam Overflights	Alphanumeric	89	90	2	See Agency Documentation
	ACRFT	AIRCRAFT T / M / S FLOWN (GROUP)		91	96	6	See Agency Documentation
Fixed Flown	ACRTYP	Aircraft Type / Model Flown	Alphanumeric	91	95	5	See Agency Documentation
Fixed Flown	ACRSER	Aircraft Series Flown	Alphanumeric	96	96	1	See Agency Documentation
Fixed Flown	CALSGN	Flown Aircraft Callsign	Alphanumeric	97	97	1	See Table CALLS
Fixed Flown	OPSUP	Operation Supported	Alphanumeric	98	103	6	See Agency Documentation
Fixed Flown	BUFZONE	Buffer Zone Indicator	Alphanumeric	104	104	1	See Agency Documentation
Fixed Flown	CNTRY	Flown Target Country	Alphanumeric	105	106	2	See Table CTRY
Fixed Flown	AIRCD	Flown Aircraft Code	Alphanumeric	107	107	1	See Table AEROS
Fixed Flown	CFCLS	Flown Function Classification Code	Alphanumeric	108	108	1	See Agency Documentation
Fixed Flown	CBCLS	Flown Function Group Code	Alphanumeric	109	109	1	See Agency Documentation
Periodic 1	NRDEV	Number of Aircraft Deviated	Numeric	110	111	2	See Agency Documentation

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Periodic 1	TYPDEV	Type of Deviation	Alphanumeric	112	112	1	See Table DEVCDTB
Periodic 1	REASDEV	Reason for Deviation	Alphanumeric	113	114	2	See Table DEVRSTB
	UTMCO	TARGET UTM COORDINATE (GROUP)		115	124	10	See Agency Documentation
Periodic 2	GRID	UTM Grid	Alphanumeric	115	116	2	See Agency Documentation
Periodic 2	XCOORD	UTM Easting	Alphanumeric	117	120	4	See Agency Documentation
Periodic 2	YCOORD	UTM Northing	Alphanumeric	121	124	4	See Agency Documentation
	ARMDREC	ARMED RECONNAISSANCE MISSION DESCRIPTION (GROUP)		125	130	6	See Agency Documentation
Periodic 2	ARRCSEC	VR Sector in Laos	Alphanumeric	125	126	2	See Agency Documentation
Periodic 2	ARRCACQ	Equipment Used for Target Acquisition	Alphanumeric	127	127	1	See Table SD05AS
Periodic 2	ARRCSTK	Equipment Used for Attacking the Target	Alphanumeric	128	128	1	See Table SD05AS
Periodic 2	ARRCMOV	Direction of Target Movement	Alphanumeric	129	129	1	See Table MOVES
Periodic 2	ARRCNHT	Reason Moving Target Not Struck	Alphanumeric	130	130	1	See Table SD19S
Periodic 2	ROUTE	Target Route Package / Corps	Alphanumeric	131	132	2	See Table AREAS
Periodic 2	LCODE	Load Type	Alphanumeric	133	135	3	See Table ORDTAB
Periodic 2	LQTY	Load Quantity	Numeric	136	139	4	See Agency Documentation
Periodic 2	LSTAT	Load Status	Alphanumeric	140	140	1	See Agency Documentation
Periodic 2	LCLASS	Load Class	Alphanumeric	141	142	2	See Table LCASS
Periodic 2	LBS	Load Weight	Numeric	143	151	9	See Agency Documentation
Periodic 2	TRTSEQ	Target Route Segment	Alphanumeric	152	156	5	See Agency Documentation
Periodic 2	TTIMOT	Time on Target	Alphanumeric	157	160	4	See Agency Documentation
Periodic 2	TTFA	Duplicate Target Indicator	Alphanumeric	161	161	1	See Table TFACDS
Periodic 2	NRMOVR	Number of Movers Sighted	Numeric	162	163	2	See Agency Documentation
Periodic 2	TYPMOVR	Type of Movers Sighted	Alphanumeric	164	165	2	See Table TTAB
Periodic 2	NRBDA	Number of Target Elements Affected	Numeric	166	167	2	See Agency Documentation
Periodic 2	TYPBDA	Target Type	Alphanumeric	168	169	2	See Tables TTAB & SD34S
Periodic 2	STABDA	Target Status	Alphanumeric	170	170	1	See Table TSTAB
Periodic 2	TCALSGN	Target Callsign	Alphanumeric	171	171	1	See Table CALLS
	TCRD CD	TARGET CARD CODE (GROUP)		172	188	17	See Agency Documentation
Periodic 2	TCRD CDL	Target Card Letter	Alphanumeric	172	172	1	See Agency Documentation
Periodic 2	TCRD CDN	Target Card Number	Alphanumeric	173	173	1	See Agency Documentation
Periodic 2	LATLONG	Target Geographic Coordinate	Alphanumeric	174	188	15	See Agency Documentation
	BENR	BOMBING ENCYCLOPEDIA NUMBER (GROUP)		189	198	10	See Agency Documentation
Periodic 2	WACNR	World Area Code Number	Alphanumeric	189	192	4	See Agency Documentation

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Periodic 2	BEDASH	Bombing Encyclopedia Dash	Alphanumeric	193	193	1	See Agency Documentation
Periodic 2	INSTLNR	Installation Number	Alphanumeric	194	198	5	See Agency Documentation
	LACRFT	LOST OR DAMAGED AIRCRAFT T / M / S (GROUP)		199	204	6	See Agency Documentation
Periodic 3	LACRTYP	Lost or Damaged Aircraft Type / Model	Alphanumeric	199	203	5	See Agency Documentation
Periodic 3	LACRSER	Lost or Damaged Aircraft Series	Alphanumeric	204	204	1	See Agency Documentation
Periodic 3	LSENO	Lost or Damaged Aircraft Serial Number	Alphanumeric	205	212	8	See Agency Documentation
Periodic 3	LSEVE	Service Incurring Loss or Damage	Alphanumeric	213	213	1	See Table SERVS
Periodic 3	LLBASE	Launch Base of Aircraft Lost or Damaged	Alphanumeric	214	214	1	See Table LBASTAB
Periodic 3	LSQDN	Assigned Squadron	Alphanumeric	215	220	6	See Agency Documentation
Periodic 3	LWING	Assigned Wing	Alphanumeric	221	221	1	See Table SD17S
Periodic 3	LAIRSPD	Airspeed in Tens of Knots	Alphanumeric	222	223	2	See Agency Documentation
Periodic 3	LTGTYP	Type of Target Attacked	Alphanumeric	224	225	2	See Table TTAB
Periodic 3	LDEFTYP	Type of Defense Observed	Alphanumeric	226	226	1	See Table CAUTAB
Periodic 3	LOSSDAM	Type of Loss or Damage	Alphanumeric	227	228	2	See Table LTAB
Periodic 3	LCAUSE	Cause of Loss or Damage	Alphanumeric	229	229	1	See Table CAUTAB
Periodic 3	LSTAGE	Stage of Flight	Alphanumeric	230	230	1	See Table STAGE
Periodic 3	LMFUNC	Mission Function	Alphanumeric	231	232	2	See Table MFTAB
Periodic 3	LALTUD	Altitude	Alphanumeric	233	235	3	See Agency Documentation
Periodic 3	LHRTPKG	Route Package Where Hit	Alphanumeric	236	237	2	See Table AREAS
Periodic 3	LDRTPKG	Route Package Where Downed	Alphanumeric	238	239	2	See Table AREAS
Periodic 3	LDWNTIM	Down Time	Alphanumeric	240	243	4	See Agency Documentation
Periodic 3	LCRWNOA	Crew Affected-Part One	Numeric	244	244	1	See Agency Documentation
Periodic 3	LCRWSTA	Crew Status-Part One	Alphanumeric	245	245	1	See Table CREWTAB
Periodic 3	LCRWNOB	Crew Affected-Part Two	Numeric	246	246	1	See Agency Documentation
Periodic 3	LCRWSTB	Crew Status-Part Two	Alphanumeric	247	247	1	See Table CREWTAB
Periodic 3	LCRWNOA	Crew Affected-Part Three	Numeric	248	248	1	See Agency Documentation
Periodic 3	LCRWSTC	Crew Status-Part Three	Alphanumeric	249	249	1	See Table CREWTAB
Periodic 3	LHITLOC	Location Where Hit	Alphanumeric	250	260	11	See Agency Documentation
Periodic 3	LDWNLOC	Location Where Downed	Alphanumeric	261	271	11	See Agency Documentation
Periodic 3	LAIRCD	Aircraft Code	Alphanumeric	272	272	1	See Table AEROS
Periodic 3	LCFCLS	Function Classification Code	Alphanumeric	273	273	1	See Agency Documentation
Periodic 3	LCBCLS	Function Group Code	Alphanumeric	274	274	1	See Agency Documentation

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APPLICATION FILE DESCRIPTION

FILE - SOUTHEAST ASIA DATA BASE (SEADAB)

AFD DATE - MARCH 1975

TECHNICAL TEAM LEADER --- J-3 FILE ANALYST
PHONE 695-0367

FILE PROGRAMMER ----- PERRY LYLES
NMCSSC CODE B313
PHONE 697-6991

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ACKNOWLEDGEMENT

THIS APPLICATION FILE DESCRIPTION HAS BEEN PREPARED BY THE
INTERNATIONAL BUSINESS MACHINES CORPORATION, 1601 N. KENT
STREET, ARLINGTON, VIRGINIA FOR THE NATIONAL MILITARY COMMAND
SYSTEM SUPPORT CENTER, UNDER DCA CONTRACT NUMBER 100-72-C-0014.
INFORMATION CORRESPONDS TO RELEASE 21.6 OF THE IBM OPERATION
SYSTEM.

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FILE DESCRIPTION

A. NARRATIVE

1. THE PURPOSE OF THE SEADAB FILE IS TO PROVIDE INFORMATION ON COMBAT AIR ACTIVITIES IN SOUTHEAST ASIA.

2. THE SEADAB FILE IS DESIGNED TO INCLUDE THE FOLLOWING INFORMATION FOR EACH MISSION SCHEDULED.

A. FRAG DATA - SERVICE, AIRCRAFT TYPE, NUMBER, LAUNCH BASE, UNIT, DATE, TARGET COUNTRY, FUNCTION, ETC.

B. FLOWN DATA - NUMBER FLOWN, FLYING HOURS, TARGET COUNTRY AREA, LAUNCH BASE, SERVICE, FUNCTION, ETC.

C. DEVIATION DATA - CAUSE, TYPE, NUMBER OF AIRCRAFT

D. LOAD DATA - TYPE, QUANTITY, STATUS, ETC.

E. TARGET RESULTS DATA - TARGET TYPE, STATUS, NUMBER AFFECTED, LOCATION, ETC.

F. LOSS/DAMAGE DATA - LOCATION, CAUSE, CREW STATUS, ETC.

3. INFORMATION FOR THE DAILY UPDATED JCS SEADAB FILE IS OBTAINED FROM THE DAILY SEATRAN CARD SHIPMENT FROM 7TH AIR FORCE. THE SEATRAN CARDS PROVIDE DATA PERTAINING TO ALL USAF (INCLUDING B-52), USMC, USN, VNAF, RLAF, AND KAF MISSIONS.

4. THE FOLLOWING ACTIVITIES RECEIVE DATA FROM THE SEADAB FILE.

A. JOINT CHIEFS OF STAFF - J-3 DIRECTORATE-DATA PROCESSING BRANCH-OPERATIONS STATISTICS SECTION

B. OFFICE OF THE SECRETARY OF DEFENSE - REGIONAL PROGRAMS (OSD/REPRO)

C. OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE (OASD/COMPT)

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

CONTROL SET - UNIQUELY IDENTIFIES EACH RECORD. THE RECORD-ID CONSISTS OF A. MISSION DATE AND B. MISSION NUMBER.

FIXED SET - CONTAINS FRAGGED AND FLOWN DATA AS DETAILED UNDER ITEMS 2-A AND 2-B IN THE FILE DESCRIPTION.

PERIODIC SET 1 - CONTAINS DEVIATION DATA.

PERIODIC SET 2 - CONTAINS TARGET/LOAD DATA.

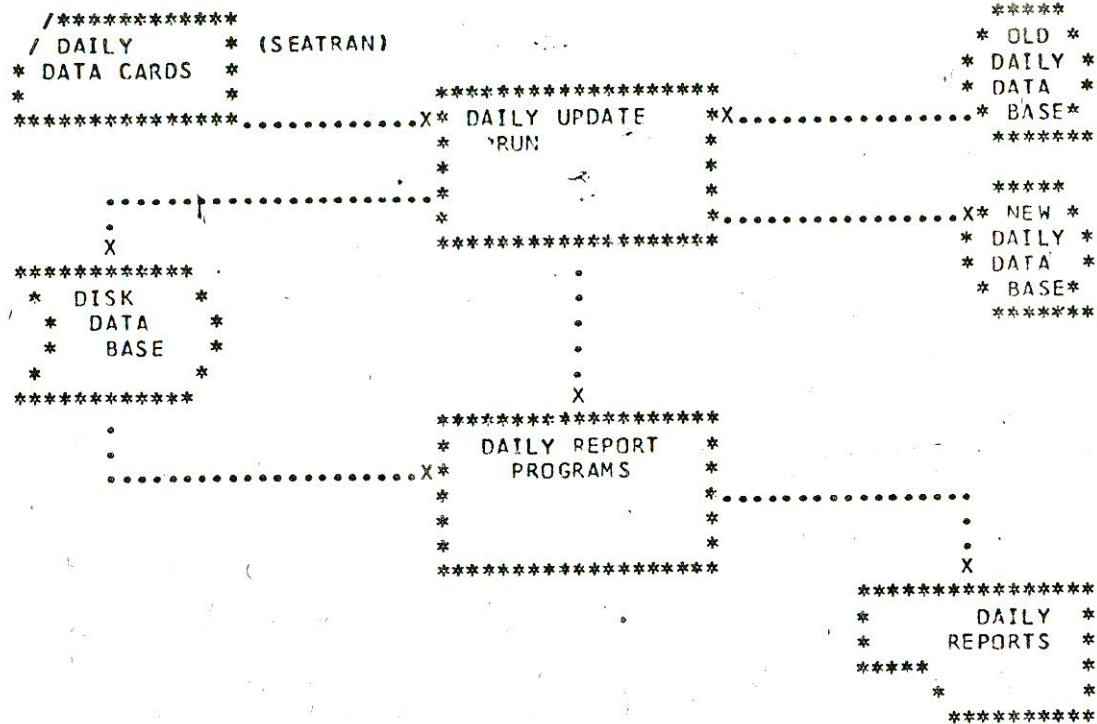
PERIODIC SET 3 - CONTAINS LOSS/DAMAGE DATA.

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6. THE SEADAB FILE CONTAINS DATA ON USAF(NON-B52), VNAF, AND RLAF/MIS-
7. THE EXPECTED GROWTH OF THE FILE IS 300 RECORDS PER DAY. 0

1. SYSTEM FLOWCHART

**** DAILY UPDATE FLOW ****



**** MONTHLY UPDATE FLOW ****

* *
* DAILY *
* DATA *
* BASE *

* LAST *
* MONTH *
* DATA *
* BASE *

.....X* MONTHLY UPDATE *X.....
* PROGRAMS *
* *
* *
* *
* *
.....

X

* DISK *
* DATA *
* BASE *
* *

X

* NEW *
* MONTH *
* DATA *
* BASE *

2. THE STANDARD SEADAB REPORTS ARE

REPORT	DESCRIPTION	SCHEDULE	DISTRIBUTION	COPIES
SD01A1	VEHICLES DESTROYED & DAMAGED IN NORTH VIETNAM	AS REQUIRED	J-3	1
SDDUMP	QUIP RECORD PRINTOUT	AS REQUIRED	J-3	1
SDMINE	US MINE LAYING MISSIONS IN NORTH VIETNAM	AS REQUIRED	J-3	1
SDORD	ORDNANCE EXPENDED BY NAVY AND MARINES BY DAY	AS REQUIRED	J-3	1
SDPLY1	US AND VNAF ATTACK SORTIES WHICH EXPENDED ORDNANCE IN SOUTH VIETNAM COORD AREA	AS REQUIRED	J-3	1
SDPRT1X	QUIP RECORD PRINTOUT - STAND-ALONE VERSION	AS REQUIRED	J-3	1
SD01T	FILE RECORD COUNT BY DAY BY MONTH	AS REQUIRED	J-3	1
SD09T	AIR GUNFIRE AGAINST TARGETS IN NORTH VIETNAM BY ROUTE PACKAGE AND TARGET CATEGORY	AS REQUIRED	J-3	1
SD20R	SUMMARIZED TABLES OF COMBAT SORTIES AND LOSSES IN SOUTH-EAST ASIA (SOUTH VIETNAM, NORTH VIETNAM, LAOS AND CAMBODIA)	AS REQUIRED	J-3	1
SD21R	HELO SORTIES AND LOSSES IN SOUTH VIETNAM	AS REQUIRED	J-3	1
SD31T	DETAILED REPORT OF MISSIONS WITH RESULTS AT OR NEAR EIGHT LOCATIONS	AS REQUIRED	J-3	1
SD32T	DETAILED REPORT OF MISSIONS WITH RESULTS IN NORTH VIETNAM	AS REQUIRED	J-3	1
SD33T	SUMMARY OF RESULTS IN NORTH VIETNAM.	MONTHLY	J-3	1
SD34R	SUMMARY OF ENEMY MATERIAL LOSSES, DAILY AND CUMULATIVE, IN NORTH VIETNAM	AS REQUIRED	J-3	1
SD34T	SUMMARY OF ENEMY MATERIAL	AS REQUIRED	J-3	1

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LOSSES, DAILY AND CUMULATIVE,
IN NORTH VIETNAM
(QUIP BACK-UP OF SD34R)

SD35R	SUMMARY OF SORTIES BY COUNTRY, AREA, SERVICE AIRCRAFT AND FUNCTION	AS REQUIRED	J-3	1
SD37R	SUMMARY OF SORTIES AND PDE BY COUNTRY, AREA AND SERVICE	AS REQUIRED	J-3	1
SD38T	SUMMARY OF ATTACK AND COMBAT AIR PATROL SORTIES (MINUS GUNSHIPS AND B52) BY COUNTRY AND SERVICE	AS REQUIRED	J-3	1 0
SD40T	AIR OPERATIONS FLOWN BY SERVICE, COUNTRY AND AIRCRAFT TYPE (LESS B52)	WEEKLY	J-3	1
SD41T	US AND VNAF COMBAT SORTIES IN SOUTH VIETNAM	WEEKLY	J-3	1
SD42T	US COMBAT SORTIES OVER NORTH VIETNAM	AS REQUIRED	J-3	1
SD43T	US COMBAT SUPPORT SORTIES IN NORTH VIETNAM	AS REQUIRED	J-3	1
SD44T	US ATTACK SORTIES (LESS B-52) IN NORTH VIETNAM	AS REQUIRED	J-3	1
SD45T	US COMBAT SORTIES IN NORTH VIETNAM AND GULF OF TONKIN	AS REQUIRED	J-3	1
SD46T	US COMBAT SUPPORT SORTIES IN NORTH VIETNAM AND GULF OF TONKIN	AS REQUIRED	J-3	1
SD304T	SUMMARY OF ATTACK SORTIES IN SOUTH EAST ASIA BY COUNTRY, SERVICE, CFCLS, AIRCODE, AND AIRCRAFT TYPE	DAILY	J-3	1 0

FILE FORMAT TABLE

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STRUCTURE SEADAB.
CLASS SECRET.
EDIT EDIT3 0.
EDIT EDIT4 0.
EDIT EDIT9 0.
NOTE RECORD CONTROL FIELDS.
FIELD YEAR 2 C ALPHA.
FIELD MONTH 2 C ALPHA.
FIELD DAY 2 C ALPHA.
GROUP DATE YEAR MONTH DAY 'MISSION DATE'.
NOTE DATE IS THE ZULU MISSION DATE.
FIELD PREFIX 1 C ALPHA.
FIELD MISSNO 3 C ALPHA.
GROUP MISID PREFIX MISSNO 'MISSION NBR'.
GROUP RECID DATE MISID.
NOTE *****
NOTE FIXED SET - FRAGGED DATA.
FIELD YRH 2 X ALPHA.
FIELD MOH 2 X ALPHA.
FIELD DAYH 2 X ALPHA.
GROUP DATEH YRH MOH DAYH 'HOTEL DATE'.
FIELD FIOCTRY 1 X ALPHA.
FIELD FSERVE 1 X ALPHA.
FIELD FLBASE 1 X ALPHA.
FIELD FUNIT 6 X ALPHA.
FIELD FHELCAL 6 X ALPHA.
FIELD FHELTSK 2 X ALPHA.
GROUP FCALSGN FHELCAL FHELTSK.
FIELD FACRTYP 5 X ALPHA.
FIELD FACRSER 1 X ALPHA.
GROUP FACRFT FACRTYP FACRSER 'FRAG ACFT'.
FIELD FNRAC 3 X NUMER 'NBR FRAG'.
FIELD FMFUNC 2 X ALPHA.
FIELD FRTPKA 1 X ALPHA.
FIELD FRTPKB 1 X ALPHA.
GROUP FRTPKG FRTPKA FRTPKB 'FRAG RT/CORPS'.
FIELD FTIMOT 4 X ALPHA.
FIELD FINTBOX 1 X ALPHA.
FIELD FTGTPNO 5 X ALPHA.
NOTE FTGTPNO - FRAG TGT/ID POINT NUMBER.
FIELD FOPCODE 2 X ALPHA.
GROUP FFACTGT FINTBOX FTGTPNO FOPCODE.
FIELD FSPECOD 1 X ALPHA.
FIELD FFFOL 1 X ALPHA.
FIELD FTGTBJ 2 X ALPHA.
FIELD FCNTRY 2 X ALPHA.
NOTE *****
NOTE FIXED SET - FLOWN DATA.
FIELD IOCTRY 1 X ALPHA.
FIELD SERVE 1 X ALPHA.

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FIELD LBASE 1 X ALPHA.
FIELD NRAC 3 X NUMBER 'NBR FLOWN'.
FIELD MFUNC 2 X ALPHA.
FIELD RTPKA 1 X ALPHA.
FIELD RTPKB 1 X ALPHA.
GROUP RTPKG RTPKA RTPKB.
FIELD FLYHR 4 X NUMBER EDIT4.
FIELD TIMOT 4 X ALPHA.
FIELD DAYNITE 1 X ALPHA.
FIELD SPECOD 1 X ALPHA.
FIELD FFOL 1 X ALPHA.
FIELD AABRTIM 3 X NUMBER EDIT3.
FIELD VNOVFLT 2 X NUMBER.
FIELD ACRTYP 5 X ALPHA.
FIELD ACRSER 1 X ALPHA.
GROUP ACRT ACRTYP ACRSER.
FIELD CALSGN 1 X ALPHA.
FIELD OPSUP 6 X ALPHA.
FIELD BUFZONE 1 X ALPHA.
FIELD CNTRY 2 X ALPHA.
FIELD AIRCD 1 X ALPHA 'AIRCRAFT CODE'.
FIELD CFCLS 1 X ALPHA 'FUNC CLASS'.
FIELD CBCLS 1 X ALPHA 'FUNC GROUP'.
NOTE *****
NOTE SET 1 - DEVIATION DATA.
FIELD NRDEV 2 1 NUMBER.
FIELD TYPDEV 1 1.
FIELD REASDEV 2 1.
NOTE *****
NOTE SET 2 - TARGET/LOAD DATA.
FIELD GRID 2 2.
FIELD XCOORD 4 2.
FIELD YCOORD 4 2.
GROUP UTMCO GRID XCOORD YCOORD.
FIELD ARRCSEC 2 2 'VR SECTOR'.
NOTE ARRCSEC - VR SECTOR IN LOAS.
FIELD ARRCACQ 1 2 'ACQ EQUIP'.
NOTE ARRCACQ - EQUIPMENT USED FOR TARGET ACQUISITION.
FIELD ARRCSTK 1 2 'ATK EQUIP'.
NOTE ARRCSTK - EQUIPMENT USED FOR ATTACKING THE TARGET.
FIELD ARRCMOV 1 2 'MOVE DIR'.
NOTE ARRCMOV - DIRECTION OF TARGET MOVEMENT.
FIELD ARRCNHT 1 2 'RSN NOT HIT'.
NOTE ARRCNHT - REASON MOVING TARGET NOT STRUCK.
GROUP ARMDREC ARRCSEC ARRCACQ ARRCSTK ARRCMOV
ARCNHT.
FIELD ROUTE 2 2.
FIELD LCODE 3 2.
FIELD LQTY 4 2 NUMBER.
FIELD LSTAT 1 2.
FIELD LCLASS 2 2.
FIELD LBS 9 2 NUMBER EDIT9.
FIELD TPTSEQ 5 2.

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FIELD TTIMOT 4 2.
 FIELD TTFA 1 2.
 NOTE TTFA - VALID CODES.
 NOTE H - HEADSHED.
 NOTE B - BATCAT.
 NOTE D - DUP SIGHTING.
 NOTE T - DUP TARGET *DUP BDA DATA*.
 NOTE S - DUP STRIKE *DUP BDA DATA*.
 NOTE F - FIXED TARGET ADVISORES.
 FIELD NRMOVR 2 2 NUMER 'MOVRS SITED'.
 FIELD TYPMOVR 2 2.
 FIELD NRBD 2 2 NUMER.
 FIELD TYPBDA 2 2.
 FIELD STABDA 1 2.
 FIELD TCALSGN 1 2.
 FIELD TCRDCDL 1 2.
 FIELD TCRDCDN 1 2.
 GROUP TCRDCD TCRDCDL TCRDCDN.
 FIELD LATLONG 15 2 COORD.
 FIELD WACNR 4 2.
 FIELD BEDASH 1 2.
 FIELD INSTLNR 5 2.
 GROUP BENR WACNR BEDASH INSTLNR 'BE NUMBER'.
 NOTE *****.
 NOTE SET 3 - LOSS/DAMAGE DATA.
 FIELD LACRTYP 5 3.
 FIELD LACRSER 1 3.
 GROUP LACRFT LACRTYP LACRSER.
 FIELD LSRHO 8 3.
 FIELD LSERVE 1 3.
 FIELD LLBASE 1 3.
 FIELD LSQDN 6 3.
 FIELD LWING 1 3.
 FIELD LAIRSPD 2 3.
 FIELD LTGTTYP 2 3.
 FIELD LDEFTYP 1 3.
 FIELD LOSSDAM 2 3.
 FIELD LCAUSE 1 3.
 FIELD LSTAGE 1 3.
 FIELD LMFUNC 2 3.
 FIELD LALTUD 3 3 NUMER.
 FIELD LHRTPKG 2 3.
 FIELD LDRTPKG 2 3.
 FIELD LDWNTIM 4 3.
 FIELD LCRWNOA 1 3 NUMER 'CREW NBR'.
 FIELD LCRWSTA 1 3 'STATUS'.
 FIELD LCRWNOB 1 3 NUMER 'CREW NBR'.
 FIELD LCRWSTB 1 3 'STATUS'.
 FIELD LCRWNOC 1 3 NUMER 'CREW NBR'.
 FIELD LCRWSTC 1 3 'STATUS'.
 FIELD LHITLOC 11 3 COORD.
 FIELD LDWNLOC 11 3 COORD.
 FIELD LAIRCD 1 3 'LOSS AIRCRAFT CODE'.

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FIELD	LCFCLS	1	3	'LOSS FUNC CLASS'.
FIELD	LCBCLS	1	3	'LOSS FUNC GROUP'.
ENDFS.				

FILE DETAIL

 * CONTROL SET *

1. YEAR OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
YEAR	F	02		ALPHA/NUMERIC

CONTAINS THE ZULU TIME TWO DIGIT YEAR OF THE MISSION (I.E. 1972 = 72).

2. MONTH OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
MONTH	F	02		ALPHA/NUMERIC

CONTAINS THE ZULU TIME TWO DIGIT MONTH OF THE MISSION (I.E. JAN = 01).
 THE FIELD MAY BE TRANSLATED WITH TABLE *MUNTS*.

3. DAY OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
DAY	F	02		ALPHA/NUMERIC

CONTAINS THE ZULU TIME TWO DIGIT DAY OF THE MISSION.

4. DATE OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
DATE	G	06		ALPHA/NUMERIC

CONTAINS THE ZULU DATE OF THE MISSION COMPRISED OF THE FIELDS YEAR, MONTH, AND DAY.

5. MISSION PREFIX CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
PREFIX	F	01		ALPHA/NUMERIC

CONTAINS THE MISSION PREFIX CODE ASSIGNED BY 7TH AIR FORCE.

6. MISSION NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
MISSNO	F	03		ALPHA/NUMERIC

CONTAINS THE MISSION NUMBER ASSIGNED BY 7TH AIR FORCE.

7. MISSION IDENTIFICATION NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
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 MISID G 04 ALPHA/NUMERIC
 CONTAINS THE MISSION IDENTIFICATION NUMBER COMPRISED OF THE FIELDS
 PREFIX AND MISSNO.

8. RECORD IDENTIFICATION GROUP

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
RECID	G	10		ALPHA/NUMERIC

CONTAINS ALL THE FIELDS IN THE CONTROL SET.

 * FIXED SET -- FRAGGED DATA *

1. HOTEL YEAR OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
YRH	F	02		ALPHA/NUMERIC

CONTAINS THE HOTEL TIME TWO DIGIT YEAR OF THE MISSION (I.E. 1972 = 72).

2. HOTEL MONTH OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
MOH	F	02		ALPHA/NUMERIC

CONTAINS THE HOTEL TIME TWO DIGIT MONTH OF THE MISSION (I.E. JAN = 01).
 THIS FIELD MAY BE TRANSLATED WITH TABLE *MONTS*.

3. HOTEL DAY OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
DAYH	F	02		ALPHA/NUMERIC

CONTAINS THE HOTEL TIME TWO DIGIT DAY OF THE MISSION.

4. HOTEL DATE OF MISSION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
DATEH	G	06		ALPHA/NUMERIC

CONTAINS THE HOTEL DATE OF THE MISSION COMPRISED OF THE FIELDS YRH,
 MOH, AND DAYH.

5. FRAGGED IN/OUT COUNTRY INDICATOR

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FIQCTRY	F	01	I O	IN-COUNTRY OUT-COUNTRY

CONTAINS A CODE INDICATING IF FRAGGED IN-COUNTRY OR OUT-COUNTRY.

6. FRAGGED SERVICE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FSERVE	F	01	A K F L M N R	ARMY KAF USAF RLAF MARINE NAVY RAAF

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CONTAINS A CODE FOR THE SERVICE FRAGGED. TABLE *SERVS*.

7. FRAGGED LAUNCH BASE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FLBASE	F	01		ALPHA/NUMERIC

CONTAINS A CODE FOR THE FRAGGED LAUNCH BASE. TABLE *LBASTAB*.

8. FRAGGED UNIT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FUNIT	F	06		ALPHA/NUMERIC

CONTAINS AN ABBREVIATED FORM OF THE FRAGGED UNIT.

9. FRAGGED HELO CALLSIGN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FHELCAL	F	06		ALPHA/NUMERIC

CONTAINS AN ABBREVIATED FORM OF THE MISSION CALLSIGN OF A HELO MISSION. TABLE *CALLS*.

10. FRAGGED NUMBER OF HELO TASKS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FHELTSK	F	02		ALPHA/NUMERIC

CONTAINS THE NUMBER OF TASKS ASSIGNED TO A HELO MISSION.

11. FRAGGED CALLSIGN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FCALSGN	G	08		ALPHA/NUMERIC

CONTAINS AN ABBREVIATED FORM OF THE MISSION CALLSIGN FOR ALL MISSIONS EXCEPT HELO. THE USE OF FIELDS FHELCAL AND FHELTSK IS MUTUALLY EXCLUSIVE FROM THE USE OF THIS GROUP.

12. FRAGGED AIRCRAFT TYPE/MODEL

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FACPTYP	F	05		ALPHA/NUMERIC

CONTAINS THE FRAGGED AIRCRAFT TYPE AND MODEL.

13. FRAGGED AIRCRAFT SERIES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FACRSER	F	01		ALPHA/NUMERIC

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CONTAINS THE FRAGGED AIRCRAFT SERIES.

14. FRAGGED AIRCRAFT T/M/S

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--- FACRFT	--- G	--- 06	---	--- ALPHA/NUMERIC

CONTAINS THE FRAGGED AIRCRAFT TYPE/MODEL/SERIES COMPRISED OF THE FIELDS FACRTYP AND FACRSER.

15. NUMBER OF AIRCRAFT FRAGGED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--- FNPAC	--- F	--- 03	---	--- NUMERIC

CONTAINS THE NUMBER OF AIRCRAFT FRAGGED FOR THE MISSION.

16. FRAGGED MISSION FUNCTION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--- FMFUNC	--- F	--- 02	---	--- ALPHA/NUMERIC

CONTAINS A TWO DIGIT CODE FOR THE FRAGGED MISSION FUNCTION.
TABLE *MFTAB*.

17. FRAGGED ROUTE/CORPS 'A'

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--- FRTPKA	--- F	--- 01	---	--- ALPHA/NUMERIC

CONTAINS THE FIRST CHARACTER OF THE TWO CHARACTER FRAGGED ROUTE/CORPS CODE. SEE GROUP FRTPKG.

18. FRAGGED ROUTE/CORPS 'B'

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--- FRTPKB	--- F	--- 01	---	--- ALPHA/NUMERIC

CONTAINS THE SECOND CHARACTER OF THE TWO CHARACTER FRAGGED ROUTE/CORPS CODE. SEE GROUP FRTPKG.

19. FRAGGED ROUTE/CORPS TARGET AREA

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--- FRTPKG	--- G	--- 02	---	--- ALPHA/NUMERIC

CONTAINS THE FRAGGED CORPS OR ROUTE PACKAGE AREA. THE FIELDS FRTPKA AND FRTPKB COMPRISING THIS GROUP ARE FOR SORTING PURPOSES ONLY. TABLE *AREAS*.

20. FRAGGED TIME OVER TARGET

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
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-- FIELD/ --
 FTIMOT F 04 ALPHA/NUMERIC
 CONTAINS THE FRAGGED TIME (ZULU) OVER TARGET.

21. FRAGGED OUT-COUNTRY INTERDICTION BOX

ID FIELD/ LENGTH CODE DATA VALUES
 -- GROUP --
 FINTBOX F 01 ALPHA/NUMERIC
 CONTAINS APPLICABLE INTERDICTION BOX ID, OUT-COUNTRY MISSIONS ONLY.

22. FRAGGED OUT-COUNTRY TARGET/ID POINT NUMBER

ID FIELD/ LENGTH CODE DATA VALUES
 -- GROUP --
 FTGTPNO F 05 ALPHA/NUMERIC
 CONTAINS APPLICABLE TARGET/ID POINT NUMBER, OUT-COUNTRY MISSIONS ONLY.

23. FRAGGED OUT-COUNTRY OPERATION CODE

ID FIELD/ LENGTH CODE DATA VALUES
 -- GROUP --
 FOPCODE F 02 ALPHA/NUMERIC
 CONTAINS APPLICABLE OPERATION CODE, OUT-COUNTRY MISSIONS ONLY.

24. FRAGGED OUT-COUNTRY FORWARD AIR CONTROLLER TARGET

ID FIELD/ LENGTH CODE DATA VALUES
 -- GROUP --
 FFACTGT G 08 ALPHA/NUMERIC
 CONTAINS THE FORWARD AIR CONTROLLER TARGET ID COMPRISED OF THE
 FIELDS FINTBOX, FTGTPNO, AND FOPCODE. OUT-COUNTRY MISSIONS ONLY.

25. FRAGGED SPECIAL CODE

ID FIELD/ LENGTH CODE DATA VALUES
 -- GROUP --
 FSPECCD F 01 ALPHA/NUMERIC
 CONTAINS THE FRAGGED SPECIAL CODE ASSIGNED BY 7TH AIR FORCE.

26. FRAGGED FLIGHT FOLLOWING

ID FIELD/ LENGTH CODE DATA VALUES
 -- GROUP --
 FFFCL F 01 ALPHA/NUMERIC
 TABLE *FOLTAB*.

27. FRAGGED TARGET OBJECTIVE

ID FIELD/ LENGTH CODE DATA VALUES
 -- GROUP --
 FTGTBJ F 02 ALPHA/NUMERIC
 CONTAINS THE FRAGGED TARGET OBJECTIVE CODE. TABLE *TTAB*.

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28. FRAGGED TARGET COUNTRY

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FCNTRY	F	02	CB	CAMBODIA
			LA	LAOS
			TH	THAILAND
			VN	NORTH VIETNAM
			VS	SOUTH VIETNAM
			ZZ	AT SEA

CONTAINS A CODE FOR THE FRAGGED TARGET COUNTRY. TABLE *CTRY*.

 * FIXED SET -- FLOWN DATA *

29. IN/OUT COUNTRY FLOWN INDICATOR

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
IOCTRY	F	01	I O	IN-COUNTRY OUT-COUNTRY

INDICATES IF MISSION FLOWN IN OR OUT-COUNTRY.

30. SERVICE FLYING

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
SERVE	F	01	A F K L M N R V	ARMY USAF KAF RLAF MARINE NAVY RAAF VNAF

CONTAINS A CODE FOR THE SERVICE FLYING. TABLE *SERVS*.

31. LAUNCH BASE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LBASE	F	01		ALPHA/NUMERIC

CONTAINS A CODE FOR THE LAUNCH BASE USED. TABLE *LBASTAB*.

32. NUMBER OF AIRCRAFT FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
NRAC	F	03		NUMERIC

33. MISSION FUNCTION FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
MFUNC	F	02		ALPHA/NUMERIC

CONTAINS A CODE FOR THE MISSION FUNCTION FLOWN. TABLE *MFTAB*.

34. ROUTE/CORPS 'A' FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
RTPKA	F	01		ALPHA/NUMERIC

CONTAINS THE FIRST CHARACTER OF THE TWO CHARACTER ROUTE/CORPS CODE WHERE MISSION WAS FLOWN. SEE GROUP RTPKG.

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35. ROUTE/CORPS 'B' FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
RTPKB	F	01		ALPHA/NUMERIC

CONTAINS THE SECOND CHARACTER OF THE TWO CHARACTER ROUTE/CORPS CODE WHERE MISSION WAS FLOWN. SEE GROUP RTPKG.

36. FLOWN ROUTE/CORPS TARGET AREA

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
RTPKG	G	02		ALPHA/NUMERIC

CONTAINS THE CORPS OR ROUTE PACKAGE AREA WHERE MISSION WAS FLOWN. THE TWO FIELDS RTPKA AND RTPKB COMPRISING THIS GROUP ARE FOR SORTING PURPOSES ONLY. TABLE *AREAS*.

37. FLYING HOURS FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FLYHR	F	04		NUMERIC

TOTAL FLYING HOURS TO NEAREST TENTH.

38. TIME OVER TARGET

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TIMOT	F	04		ALPHA/NUMERIC

CONTAINS THE TIME (ZULU) FLOWN OVER TARGET.

39. DAY/NIGHT INDICATOR

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
DAYNITE	F	01	D N	DAY NIGHT

40. SPECIAL CODE FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
SPECOD	F	01		ALPHA/NUMERIC

CONTAINS A FLOWN SPECIAL CODE ASSIGNED BY 7TH AIR FORCE.

41. FLIGHT FLOWN FOLLOWING

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
FFOL	F	01		ALPHA/NUMERIC

CONTAINS A CODE FOR THE FLIGHT FLOWN FOLLOWING. TABLE *FOLTAB*.

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42. AIR ABORT TIME

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
AABRTIM	F	03		NUMERIC

CONTAINS THE NUMBER OF HOURS FLOWN, TO THE NEAREST TENTH, UP TO THE TIME THE MISSION WAS ABORTED.

43. NUMBER OF NORTH VIETNAM OVERFLIGHTS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
VNOVFLT	F	02		NUMERIC

CONTAINS THE NUMBER OF AIRCRAFT FLOWN THAT FLEW OVER OR FIRED INTO THE NORTH VIETNAM LAND MASS.

44. AIRCRAFT TYPE/MODEL FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ACRTYP	F	05		ALPHA/NUMERIC

CONTAINS THE AIRCRAFT TYPE/MODEL FLOWN.

45. AIRCRAFT SERIES FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ACRSER	F	01		ALPHA/NUMERIC

CONTAINS THE AIRCRAFT SERIES FLOWN.

46. AIRCRAFT T/M/S FLOWN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ACRFT	G	06		ALPHA/NUMERIC

CONTAINS THE AIRCRAFT TYPE/MODEL/SERIES FLOWN COMPRISED OF THE FIELDS ACRTYP AND ACRSER.

47. FLOWN AIRCRAFT CALLSIGN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
CALSGN	F	01		ALPHA/NUMERIC

CONTAINS AN ABBREVIATED FORM OF THE FLOWN AIRCRAFT CALLSIGN. TABLE *CALLS*.

48. OPERATION SUPPORTED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
OPSUP	F	06		ALPHA/NUMERIC

CONTAINS AN ABBREVIATED FORM OF THE NAME OF THE OPERATION SUPPORTED.

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49. BUFFER ZONE INDICATOR

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
BUFZONE	F	01		ALPHA/NUMERIC

CONTAINS THE BUFFER ZONE INDICATOR FOR THE OPERATION SUPPORTED.

50. FLOWN TARGET COUNTRY

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
CNTRY	F	02	CB	CAMBODIA
			LA	LAOS
			TH	THAILAND
			VN	NORTH VIETNAM
			VS	SOUTH VIETNAM
			ZZ	AT SEA

CONTAINS A CODE FOR THE TARGET COUNTRY WHERE FLOWN. TABLE *CTRY*.

51. FLOWN AIRCRAFT CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
AIRCD	F	01		ALPHA/NUMERIC

CONTAINS THE FLOWN AIRCRAFT MISSION GROUPING CODE. TABLE *AEROS*.

52. FLOWN FUNCTION CLASSIFICATION CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
CFCLS	F	01		ALPHA/NUMERIC

CONTAINS THE MISSION FUNCTION CLASSIFICATION CODE.

53. FLOWN FUNCTION GROUP CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
CBCLS	F	01		ALPHA/NUMERIC

CONTAINS THE MISSION FUNCTION GROUP CODE.

 * PERIODIC SET ONE -- DEVIATION DATA *

1. NUMBER OF AIRCRAFT DEVIATED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
NRDEV	F	02		NUMERIC

2. TYPE OF DEVIATION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TYPDEV	F	01		ALPHA/NUMERIC

CONTAINS THE TYPE OF DEVIATION FROM THE FRAGGED MISSION.
 TABLE *DEVCDTB*.

3. REASON FOR DEVIATION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
REASDEV	F	02		ALPHA/NUMERIC

CONTAINS THE REASON FOR DEVIATION FROM THE FRAGGED MISSION.
 TABLE *DEVIRSTB*.

 * PERIODIC SET 2 -- TARGET/LOAD DATA *

1. UTM GRID

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
GRID	F	02		ALPHA

CONTAINS THE UTM GRID IDENTIFIER.

2. UTM EASTING

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
XCOORD	F	04		ALPHA/NUMERIC

CONTAINS THE UTM EASTING COORDINATE IDENTIFIER.

3. UTM NORTHING

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
YCOORD	F	04		ALPHA/NUMERIC

CONTAINS THE UTM NORTHING COORDINATE IDENTIFIER.

4. TARGET UTM COORDINATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
UTMCO	G	10		ALPHA/NUMERIC

CONTAINS THE TARGET UTM COORDINATE IDENTIFIER COMPRISING THE FIELDS UTM, XCOORD, AND YCOORD.

5. VR SECTOR IN LAOS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ARRCSEC	F	02		ALPHA/NUMERIC

CONTAINS THE VR SECTOR CODE (LAOS ONLY).

6. EQUIPMENT USED FOR TARGET ACQUISITION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ARRCACQ	F	01		ALPHA/NUMERIC

CONTAINS THE TARGET ACQUISITION EQUIPMENT CODE. TABLE *SD05AS*.

7. EQUIPMENT USED FOR ATTACKING THE TARGET

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ARPCSTK	F	01		ALPHA/NUMERIC

CONTAINS THE TARGET ATTACK EQUIPMENT CODE. TABLE *SD05AS*.

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8. DIRECTION OF TARGET MOVEMENT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ARRCMOV	F	01		ALPHA/NUMERIC

CONTAINS THE TARGET MOVEMENT DIRECTION CODE. TABLE *MOVES*.

9. REASON MOVING TARGET NOT STRUCK

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ARRCNHT	F	01		ALPHA/NUMERIC

CONTAINS THE REASON MOVING TARGET NOT STRUCK CODE. TABLE *SD19S*.

10. ARMED RECONNAISSANCE MISSION DESCRIPTION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ARMDREC	G	06		ALPHA/NUMERIC

CONTAINS AN ARMED RECON MISSION DESCRIPTION COMPRISING THE FIELDS ARRCSEC, ARRCACQ, ARRCSTK, ARRCMOV, AND ARRCNHT.

11. TARGET ROUTE PACKAGE/CORPS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ROUTE	F	02		ALPHA/NUMERIC

CONTAINS THE CORPS OR ROUTE PACKAGE OF TARGET AREA. TABLE *AREAS*.

12. LOAD TYPE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCODE	F	03		ALPHA/NUMERIC

CONTAINS THE TYPE OF LOAD USED IN THE MISSION. TABLE *ORDTAB*.

13. LOAD QUANTITY

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LQTY	F	04		NUMERIC

CONTAINS THE QUANTITY OF THE LOAD ONBOARD.

14. LOAD STATUS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LSTAT	F	01	E	EXPENDED
			J	JETTISONED
			R	RETURNED
			T	TRANSPORTED

CONTAINS THE STATUS OF THE LOAD ONBOARD.

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15. LOAD CLASSIFICATION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCLASS	F	02		ALPHA/NUMERIC

CONTAINS THE CLASS OF THE LOAD ONBOARD. TABLE *LCASS*.

16. LOAD WEIGHT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LBS	F	09		NUMERIC

CONTAINS THE WEIGHT OF THE LOAD ONBOARD IN POUNDS TO THE NEAREST TENTH.

17. TARGET ROUTE SEGMENT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TRTSEQ	F	05		ALPHA/NUMERIC

CONTAINS THE TARGET ROUTE SEGMENT CODE ASSIGNED BY 7TH AIR FORCE.

18. TIME ON TARGET

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TTIMOT	F	04		ALPHA/NUMERIC

CONTAINS THE TIME (ZULU) TARGET ATTACKED.

19. DUPLICATE TARGET INDICATOR

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TTFA	F	01		ALPHA/NUMERIC

CONTAINS THE DUPLICATE BDA INDICATOR CODES. TABLE *TFACDS*.

20. NUMBER OF MOVERS SIGHTED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
NRMOVR	F	02		NUMERIC

CONTAINS THE NUMBER OF MOVING OBJECTS SIGHTED.

21. TYPE OF MOVERS SIGHTED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TYPMOVR	F	02		ALPHA/NUMERIC

CONTAINS THE TYPE OF MOVING OBJECTS SIGHTED. TABLE *TTAB*.

22. NUMBER OF TARGET ELEMENTS AFFECTED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
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ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
NRBDA	F	02		NUMERIC

CONTAINS THE NUMBER OF TARGETS ATTACKED.

23. TARGET TYPE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TYPBDA	F	02		ALPHA/NUMERIC

CONTAINS THE TYPE OF TARGET ATTACKED. TABLES *TTAB*, *SD34S*.

24. TARGET STATUS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
STABDA	F	01		ALPHA/NUMERIC

CONTAINS THE TYPE OF RESULTS OBTAINED ON THE TARGET ATTACKED.
STATUS OF 'C' INDICATES ONLY GENERAL TARGET STRUCK. TABLE *TSTAB*.

25. TARGET CALLSIGN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TCALSGN	F	01		ALPHA/NUMERIC

CONTAINS THE TARGET CALLSIGN CODE. TABLE *CALLS*.

26. TARGET CARD LETTER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TCRDCDL	F	01		ALPHA/NUMERIC

CONTAINS THE LETTER CODE OF THE TRANSACTION CARD REPORTING
THE TARGET STRIKE DATA.

27. TARGET CARD NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TCRDCDN	F	01		ALPHA/NUMERIC

CONTAINS THE NUMBER CODE OF THE TRANSACTION CARD REPORTING
THE TARGET STRIKE DATA.

28. TARGET CARD CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
TCRDCD	G	02		ALPHA/NUMERIC

CONTAINS THE CODE OF THE TRANSACTION CARD REPORTING THE TARGET STRIKE
DATA, COMPRISED OF THE FIELDS TCRDCDL AND TCRDCDN.

29. TARGET GEOGRAPHIC COORDINATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
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 LATLONG F 15 COORD
 CONTAINS THE LATITUDE AND LONGITUDE, GENERATED FROM FIELD UTMCO,
 OF THE TARGET ATTACKED.

30. WORLD AREA CODE NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
WACNR	F	04		ALPHA/NUMERIC

CONTAINS THE APPLICABLE WAC NUMBER OF THE TARGET ATTACKED.

31. BOMBING ENCYCLOPEDIA DASH

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
BEDASH	F	01	-	(MINUS SIGN)

32. INSTALLATION NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
INSTLNR	F	05		ALPHA/NUMERIC

CONTAINS THE APPLICABLE INSTALLATION NUMBER OF THE TARGET ATTACKED.

33. BOMBING ENCYCLOPEDIA NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
BENR	G	10		ALPHA/NUMERIC

CONTAINS THE APPLICABLE BOMBING ENCYCLOPEDIA NUMBER OF THE TARGET
 ATTACKED, COMPRISING FIELDS WACNR, BEDASH, AND INSTLNR.

 * PERIODIC SET 3 -- LOSS/DAMAGE DATA *

1. LOST OR DAMAGED AIRCRAFT TYPE/MODEL

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LACRTYP	F	05		ALPHA/NUMERIC

CONTAINS THE AIRCRAFT TYPE AND MODEL LOST OR DAMAGED.

2. LOST OR DAMAGED AIRCRAFT SERIES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LACRSER	F	01		ALPHA/NUMERIC

CONTAINS THE AIRCRAFT SERIES LOST OR DAMAGED.

3. LOST OR DAMAGED AIRCRAFT T/M/S

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LACRFT	G	06		ALPHA/NUMERIC

CONTAINS THE AIRCRAFT TYPE/MODEL/SERIES LOST OR DAMAGED COMPRISING THE FIELDS LACRTYP AND LACRSER.

4. LOST OR DAMAGED AIRCRAFT SERIAL NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LSERNO	F	08		ALPHA/NUMERIC

CONTAINS THE SERIAL NUMBER OF THE AIRCRAFT LOST OR DAMAGED.

5. SERVICE INCURRING LOSS OR DAMAGE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LSERVE	F	01		ALPHA/NUMERIC

CONTAINS THE SERVICE TO WHICH THE AIRCRAFT LOST OR DAMAGED WAS ASSIGNED.
 TABLE *SERVS*.

6. LAUNCH BASE OF AIRCRAFT LOST OR DAMAGED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LLBASE	F	01		ALPHA/NUMERIC

CONTAINS THE LAUNCH BASE OF THE AIRCRAFT LOST OR DAMAGED.
 TABLE *LBASTAB*.

7. ASSIGNED SQUADRON

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES

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LSQDN F 06 ALPHA/NUMERIC
CONTAINS THE SQUADRON TO WHICH THE AIRCRAFT LOST OR DAMAGED
WAS ASSIGNED.

8. ASSIGNED WING

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LWING	F	01		ALPHA/NUMERIC

CONTAINS THE WING TO WHICH THE AIRCRAFT LOST OR DAMAGED WAS ASSIGNED.
TABLE *SD17S*.

9. AIRSPEED IN TENS OF KNOTS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LAIRSPD	F	02		ALPHA/NUMERIC

CONTAINS THE AIRSPEED OF THE AIRCRAFT LOST OR DAMAGED TO NEAREST
TEN KNOTS.

10. TYPE OF TARGET ATTACKED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LTGTYP	F	02		ALPHA/NUMERIC

CONTAINS THE TYPE OF TARGET BEING ATTACKED WHEN AIRCRAFT WAS LOST
OR DAMAGED. TABLE *TTAB*.

11. TYPE OF DEFENSE OBSERVED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LDEFTYP	F	01		ALPHA/NUMERIC

CONTAINS THE TYPE OF DEFENSE BEING OBSERVED WHEN AIRCRAFT WAS LOST
OR DAMAGED. TABLE *CAUTAB*.

12. TYPE OF LOSS OR DAMAGE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LOSSDAM	F	02		ALPHA/NUMERIC

CONTAINS THE TYPE OF LOSS OR DAMAGE. TABLE *LTAB*.

13. CAUSE OF LOSS OR DAMAGE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCAUSE	F	01		ALPHA/NUMERIC

CONTAINS THE CAUSE OF LOSS OR DAMAGE. TABLE *CAUTAB*.

14. STAGE OF FLIGHT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
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 LSTAGE F 01 ALPHA/NUMERIC
 CONTAINS THE STAGE OF FLIGHT WHEN THE LOSS OR DAMAGE OCCURRED.
 TABLE *STAGE*.

15. MISSION FUNCTION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LMFUNC	F	02		ALPHA/NUMERIC

CONTAINS THE MISSION FUNCTION BEING PERFORMED WHEN THE LOSS OR
 DAMAGED OCCURRED. TABLE *MTAB*.

16. ALTITUDE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LALTUD	F	03		NUMERIC

CONTAINS THE ALTITUDE OF THE AIRCRAFT, TO THE NEAREST 100 FEET, WHEN
 THE LOSS OR DAMAGE OCCURRED.

17. ROUTE PACKAGE WHERE HIT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LHRTPKG	F	02		ALPHA/NUMERIC

CONTAINS THE ROUTE PACKAGE WHERE THE LOSS OR DAMAGE WAS INFLICTED.
 TABLE *AREAS*.

18. ROUTE PACKAGE WHERE DOWNED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LDRTPKG	F	02		ALPHA/NUMERIC

CONTAINS THE ROUTE PACKAGE WHERE THE LOSS OR DAMAGE DOWNED THE AIRCRAFT.
 TABLE *AREAS*.

19. DOWN TIME

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LDWNTIM	F	04		ALPHA/NUMERIC

CONTAINS THE ZULU TIME THE AIRCRAFT WAS DOWNED.

20. CREW AFFECTED-PART ONE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCRWNOA	F	01		NUMERIC

CONTAINS THE NUMBER OF CREWMEN AFFECTED BY THE LOSS OR DAMAGE--PART ONE.

21. CREW STATUS-PART ONE

FIELD/

UNCLASSIFIED

ID	GROUP	LENGTH	CODE	DATA VALUES
LCRWSTA	F	01		ALPHA/NUMERIC

CONTAINS HOW THE CREWMEN--PART ONE--WERE AFFECTED. TABLE *CREWTAB*.

22. CREW AFFECTED--PART TWO

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCRWNOB	F	01		NUMERIC

CONTAINS THE NUMBER OF CREWMEN AFFECTED BY THE LOSS OR DAMAGE--PART TWO.

23. CREW STATUS--PART TWO

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCRWSTB	F	01		ALPHA/NUMERIC

CONTAINS HOW THE CREWMEN--PART TWO--WERE AFFECTED. TABLE *CREWTAB*.

24. CREW AFFECTED--PART THREE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCRWNOB	F	01		NUMERIC

CONTAINS THE NUMBER OF CREWMEN AFFECTED BY THE LOSS OR DAMAGE--PART THREE

25. CREW STATUS--PART THREE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LCRWSTC	F	01		ALPHA/NUMERIC

CONTAINS HOW THE CREWMEN--PART THREE--WERE AFFECTED. TABLE *CREWTAB*.

26. LOCATION WHERE HIT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LHITLOC	F	11		COORD

CONTAINS THE GEOGRAPHIC COORDINATE WHERE THE LOSS OR DAMAGE WAS INFLICTED.

27. LOCATION WHERE DOWNED

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LDOWNLOC	F	11		COORD

CONTAINS THE GEOGRAPHIC COORDINATE WHERE THE LOSS OR DAMAGE DOWNED THE AIRCRAFT.

28. AIRCRAFT CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES

UNCLASSIFIED

LAIROD F 01 ALPHA/NUMERIC
CONTAINS THE LOST OR DAMAGED AIRCRAFT MISSION GROUPING CODE.
TABLE *AEROS*.

29. FUNCTION CLASSIFICATION CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
LCFCLS	F	01		ALPHA/NUMERIC

CONTAINS THE LOST OR DAMAGED AIRCRAFT'S MISSION FUNCTION CLASSIFICATION CODE.

30. FUNCTION GROUP CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
LCBCLS	F	01		ALPHA/NUMERIC

CONTAINS THE LOST OR DAMAGED AIRCRAFT'S MISSION FUNCTION GROUP CODE.

APPENDIX A

SEADAB TABLES

TABLE=AEROS ARG=(9/13,ONE,F) FUNC=(16/16,TWO,F)
* AIRCRAFT TYPE TO AIRCRAFT CODE CONVERSION TABLE

A1	A
A26	A
A3	A
A37	A
A4	A
A6	A
A7	A
AC119	A
AC123	A
AC130	A
AC137	A
AC47	A
AP2	A
B26	A
B52	A
B57	A
B66	A
F100	A
F102	A
F104	A
F105	A
F111	A
F4	A
F5	A
F8	A
FC47	A
TA4	A
TF102	A
TF9	A
T28	A
T29	A
AH1	B
CH21	B
CH3	B
CH34	B
CH37	B
CH46	B
CH47	B
CH53	B
CH54	B
H34	B
H43	B
HH3	B
HH43	B
HH53	B
CH13	B

UNCLASSIFIED

OH23	B
OH58	B
OH6	B
SH2	B
SH3	B
UH1	B
UH2	B
UH34	B
CV2	C
Q1	C
Q2	C
QV1	C
QV10	C
T41	C
TO1	C
Y03	C
DC6	D
E1	D
E2	D
EA1	D
EA3	D
EA6	D
EB66	D
EB66B	D
EB66C	D
EB66E	D
EC121	D
EC130	D
EC47	D
EF10	D
EP3	D
JC47	D
JP2	D
P3	D
QU22	D
RA3	D
RA5	D
RB26	D
RB57	D
RB66	D
RC130	D
RC135	D
RC47	D
RF101	D
RF4	D
RF5	D
RF8	D
RT28	D
S2	D
SP2	D
U2	D
YQU22	D
AU24	E

UNCLASSIFIED

C1	E
C2	E
C117	E
C118	E
C119	E
C123	E
C124	E
C130	E
C141	E
C45	E
C47	E
C54	E
C7	E
DC4	E
DC8	E
EKA3	E
HC130	E
HC47	E
HC54	E
HU16	E
KA3	E
KA4	E
KA6	E
KA7	E
KB50	E
KC130	E
KC135	E
JP2	E
SC47	E
T39	E
U1	E
U10	E
U17	E
U21	E
U3	E
U6	E
U8	E
UC47	E
UC123	E
US2	E
VC123	E
VC47	E
VC54	E
WC130	E

TABLE	CREWTAB	09 09	16 24	B	SEADAB
*	STATUS OF CREW TABLE				
	C	CAPTURED			
	I	INJURED			
	K	KILLED			
	M	MISSING			
	R	RECOVERED			
	W	WOUNDED			
	U	UNKNOWN			

12 M 75

UNCL IFIED

09 09 16 25

B SEADAB

TABLE
* DEVCOTB
FRAG ORDER DEVIATION TABLE

A	AIR ABORT
B	GRND ABRT
C	CANCELLED
D	DIVERTD
E	ADDED
L	ACFT LS
N	CHG MSN
R	EARLY RTN
S	SCRBLD
X	DUAL FUNC
Z	ORD NT EXP

035

TABLE #	DEVRSTB	09 10	16 23	B	SEADAB
DEVIATION REASON AND DESCRIPTION TABLE					
AA	ANTI-AIR				
A1	ACFT NDL				
A2	ACFT MAL				
A3	LORAN				
A4	MSQ-77				
A5	NCINTDEF				
A6	NOEXTDEF				
D1	=1 DAMGD				
D2	=2 DAMGD				
D3	=3 DAMGD				
D4	=4 DAMGD				
D5	=5 DAMGD				
D6	=6 DAMGD				
F1	FUEL DPL				
J1	UNIT DIR				
J2	MCLUCTGT				
J3	SUP-SAP				
J4	ESC STK				
J5	PRECREQ				
J6	FRAG CHG				
J7	SP AC NR				
K1	7AF DIR				
K2	TACC DIR				
K3	DASC DIR				
K4	SPAR ACF				
K5	FAC DIR				
K6	IN-OUT				
K7	ABCC DIP				
K8	SYMPHTIC				
K9	IMMD REQ				
L1	QFD N/D				
L2	QFD N/AV				
L3	QFD WGTP				
L4	QFD MAL				
L5	WGHT LIM				
MG	MIG				
M1	=1 LOST				
M2	=2 LOST				
M3	=3 LOST				
M4	=4 LOST				
M5	=5 LOST				
M6	=6 LOST				
P1	PILOT ER				
P2	CRW SICS				
SM	SAM				
T1	NO TGT				
T2	TGT DEST				
T3	NO REQ				
T4	AD/RQ AR				
T5	AD/RQ CR				
T6	FRN TGT				

UNCLASSIFIED

UNCL IIFIED

12 M 75

UU	UNKNOWN
W1	WTHR BAS
W2	WTHR ENP
W3	WTHR TGT
W6	WX M-OUT
Y1	GND CNTL
Y2	NO FAC
Y3	VFAC LNG
97	OTHER

TABLE	LBASTAB	09 09	16 27	B	SEADAB
*	LAUNCH BASE TABLE				
+	BATTAMBANG				
E	CAN THO				
\$	CLARK AB				
*	PONCHENTONG				
=	CU POINT, NAS				
A	BIEN HOA				
B	BINH THUY				
C	CAM RANH BAY				
D	TUY HOA				
E	CHU LAI				
F	HUE PHU BAI				
G	DANANG				
H	PHU CAT				
I	KORAT				
J	NAKHON PHANO				
K	NHA TRANG				
L	PHAN RANG				
M	PLEIKU				
N	LOUANG PHAP				
O	SO CHINA SEA				
P	TAN SON NHUT				
Q	VIENTIANE				
R	TAKHLI				
S	UDORN				
T	TONKIN GULF				
U	PAKSE				
V	UBON				
W	SAVANAKHET				
X	LONG TIEN				
Y	NAM PHONG				
Z	PLAF				
1	BAN ME THUOT				
2	CHUNG CHAN KG				
3	SEC TRANG				
4	VUNG TAU				
5	TAN CHAU				
6	KADENA				
7	ANDERSEN				
8	UTAPAU				
9	DCN NUANG				

TABLE
*

LYAB	DAMAGE TABLE
CA	CMBT DAM MAJ
CB	CMBT DAM MIN
CL	CMBT LOSS
DA	OPNL DAM MAJ
DB	OPNL DAM MIN
DL	OPNL LOSS
GL	GRND LOSS
GD	GRND DAM
AB	AIR ABORT
DV	DIVERSION
PC	RECALL
IS	INC SORT
UL	UNKNOWN LOSS
UD	UNKNOWN DAM

09 10

16 27

B

SEADAB

UNCL SIFIED

TABLE	MFTAB	09 10	16 41	B	SEADAB
*	MISSION FUNCTION TABLE				
	AD	AIR DAMAGE			
	GD	GROUND DAMAGE			
	GL	GROUND LOSS			
	01	STRIKE			
	02	FLAK SUPPRESSION			
	03	AIR INTERDICTION			
	04	ARMED RECON			
	05	CLOSE AIR SUPPORT			
	06	DIP AIR SUPPORT			
	07	MIG CAP			
	08	SHIP CAP			
	09	SAR CAP			
	10	DEF CAP			
	11	RES CAP			
	12	BAR CAP			
	13	TAR CAP			
	14	ELINT			
	15	ECCMINT			
	16	IP RECON			
	17	SLAR RECON			
	18	VISUAL RECON			
	19	RADAR RECON			
	20	PHOTO RECON			
	21	WEATHER RECON			
	22	HH PHOTO RECON			
	23	HYDROACOUSTRECON			
	24	OPTICAL RECON			
	25	LATE-LIGHT RECCE			
	26	RADIOMETER RECCE			
	27	SPECTROMETER RECCE			
	28	TELELIGHT RECCE			
	29	TELEVISION RECCE			
	30	TELEMETRY RECCE			
	31	ULTRA-VIOLET RECCE			
	32	FLEET AREA RECCE			
	33	MOTION PICTURE RECCE			
	34	RADIO 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	COMBAND/CONTROL			
	46	COMBAT TROOP CARRYING			
	47	COMBAT CARGO CARRYING			
	48	LOG TROOP CARRYING			

UNCLASSIFIED

49 LOG CARGO CARRYING
50 ADMIN LIAISON
51 VNAF FAC TG SUP
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 MALARIA CONTROL
61 HEAVY BOMBARD
62 AIRBORNE INCOPT CNTRL
64 ESCORT PCOON
65 CASUALTY EVACUATION
66 PATH FINDER
67 SMOKE SCREEN
68 HELD ESCORT
69 COMBAT OBSERVATION
70 AIRCRAFT MOVEMENT
71 DE-POSITIONING
72 COMBAT AIR PATROL
73 EGRESS-INGRESS PEOPLE/SUPL
74 AIR ABORT FLOWN
75 TEST PROJECT
76 PHOTO MAPPING
77 TAC ACFT RECOVERY
78 RECCE
79 SPECIAL FORCES
80 MUDY
81 SEDY
82 TARCON
83 SEMO
84 ARMED FAC
85 FAC-OTHER COMBOP
86 ILLUMINATOR
87 LASER DESIGNATOR
88 PLANE GUARD
89 ADD ON MISSION
90 CARGO & PASSENGERS
91 PASSIVE ECM
92 MSURV (MINE FIELD SURVEY)
93 PMS (POCKET MONEY SURVEY)
94 SAR ORBIT
95 ADVERSE WEATHER AIR DROPS
96 OTHER NONOPERTL
97 OTHER OPERTL
98 GROUND ALERT

TABLE	ORDTAB	00 11	16 36	B	SEADAB
*	ORDNANCE TABLE				
001	MK-20 AN TANK/MTL				
002	GMU1 GUIDED MK20				
003	12.7 MM AMMO				
010	MK81 GP BOMB(250)				
011	MK36DST MOD1				
012	MK36DST MOD2				
013	MK36DST MOD3				
014	MK36DST MOD4				
015	MK82 GP BOMB(500) LD				
016	MK82 GP BOMB(500) LD				
017	MK82 GP BOMB(500)				
018	MK82 GP BOMB(500) LD				
019	MK82(LGB) LASER G/8MB				
020	MK82 GP BOMB(500) HD				
021	MK82 GP BOMB(M346 FS)				
025	M117 GP BOMB(750)LD				
026	KMU342B(M117 LGB-750)				
027	M117 GP BOMB(750)LD				
028	M117 GP BOMB(750)LD				
030	M117 GP BOMB(750)HD				
032	2.75 INL ROCKET				
035	M65 GP BOMB(1000)				
036	MK10 GP BOMB(100)				
040	M66 GP BOMB(2000)				
044	MK84(EOGB)				
045	MK84 GP BOMB(2000)				
046	MK84 W/FMU72 DENWFM				
047	MK84 GP BOMB(KMU351)				
048	MK84 GP BOMB(KMU353)				
049	MK84 FE GP BOMB(2000)				
050	M118 DEVEL BOMB(3000)				
051	M118 DEVEL BOMB FUSE				
052	M118 LASER GUIDED BOMB				
055	MK36 GP BOMB				
056	MK36 GP BOMB HD				
057	MK36 DEST FUSED MK82				
058	MK40 DST FUSED MK83				
060	MK82 GP BOMB 35FUS HD				
061	MK40DST MOD1				
062	MK40DST MOD2				
063	MK40DST MOD3				
064	MK40DST MOD4				
065	M117 GP BOMB HD-FMU35				
070	MK82 GP BOMB HD-FMU30				
075	M117 GP BOMB HD-FMU30				
076	M117 DESTRUCTOR				
078	5.59 MM AMMO(HNORDS)				
080	MK83 GP BOMB(1000)				
081	MK83 GP BOMB(M346 FS)				
083	MK83 LASER G/BOMB				
085	MK83 GP BOMB(210)				

UNCLASSIFIED

086 MK40 2.75 IN. RKT MTR
088 XM54 MICROCRAVEL BOMB
089 XM42(XM12) GRAVL BOMB
090 MK13 GP BOMB(500)
091 MK4 GP BOMB(500)
092 MK3 GP BOMB(500)
093 M1 GP BOMB(1000)
094 M2 GP BOMB(1000)
095 M3 GP BOMB(1000)
096 M4 GP BOMB(1000)
097 MK7 GP BOMB(500)
098 MK11 GP BOMB(1000)
099 MK346(MK32 W/VECH TL)
100 M23 FRAG BOMB CLUSTER
103 2.75 IN ANTI-TANK RKT
105 M1A4 FRAG BOMB CLUSTER
110 MK32
115 MK52 WATER MINE
118 M118
120 MK63
130 MK120
200 MLU106 AIR LAND MINE
250 MK84 LASER G/MINE
300 M47S SMOKE BOMB(100)
305 M47I INCEN BOMB (100)
310 BLU108 FIRE BOMB(250)
315 BLU238 FIRE BOMB(500)
320 BLU328 FIRE BOMB(500)
325 BLU18 FIRE BOMB(750)
330 BLU27 FIRE BOMB(750)
331 BLU738 ANTIPERS-CBU55
332 BLU768 ANTIPERS-PACPN
335 M35/M32 INCEN BMB CLS
340 M36/M32 INCEN BMB CLS
342 M36E2 HIGH SPD M36
345 M31 INCEN BOMB CLUSTER
346 M41A1/2
350 BLU52, BLU62 IG/F BOMB
354 ADU-253 DISPENSER
355 ADU-273 DISPENSER
360 BLU52B LZ CLR DEVICE
400 CBU2 ANTI-MTL MUNIT
405 CBU3 AN TANK(BLU7)
410 CBU12 INCEN SMOKE
415 CBU15 ANTI-MATERIAL
420 CBU19 RIOT CONTROL
425 CBU22 INCEN SMOKE
430 CBU24 AN PR/MT(BLU20)
435 CBU25 AN PR/MT(BLU24)
438 CBU38 AN MTL(BLU49)
440 CBU28 AN PR MINE
441 CBU46 AN PR/MT(BLU66)
443 CBU46 ANTI-REF

UNCLASSIFIED

444 CBU49 AN PR MINE
 445 CBU29 AN PR/MT(BLU36)
 446 MK77 MAPALM
 450 CBU34 AN PR/MT(BLU42)
 452 CBU52 AN MTL(BLU61)
 453 CBU55 AN PR BOMB(FAB)
 455 CBU33 AVLM (BLU45)
 458 CBU58 AN PR BOMB
 460 CDU10 MICRO GRAVEL
 465 CDU14 GRAVEL
 466 CDU22 AN PR CLUS BOMB
 500 LAU3/MA RKT LCHR(19)
 505 LAU59 RKT LCHR(7)
 510 HVAR 5 IN. ROCKET
 515 LAU32 RKT LCHR(7)
 520 LAU54 ROCKET POD
 525 LAU60 RKT LCHR(7)
 530 WDU AN PR 2.75 ROCKET
 600 AGM-12C BULLPUP-P
 605 AGM-45A SHRIKE-3
 606 AGM-62A SHRIKE-3A
 610 AGM-62A WALLEYE
 611 AGM-62A WALLEYE 1
 612 AGM-62B WALLEYE 2
 613 AGM-62 WALLEYE 3
 615 AIM-9C,D,F SIDEWINDER
 616 AGM-87 A-TD-G FOC MSL
 620 AIM-7D,F,E SPARROW
 625 AIM-4A,E,G FALCON
 626 AIM-26B A-TD-A MISSILE
 628 AGM-65A MAVERICK
 630 AGM-72 STD AR MISSILE
 635 AEPD-70 RKT LAUNCHER
 640 LAU 10A (ZUNI LCHR)
 700 7.62 AMMO
 710 20 MM AMMO(HYDRDS)
 715 50 CALIBAR AMMO
 716 XM384 40MM AMMO
 717 40MM MISC METAL
 718 105HE HOWITZER AMMO
 719 105 HOWITZER AMMO
 729 105WP HOWITZER AMMO
 800 FLARES-MK24,MK6,LUU18
 801 FLARES--MLU-32/BPS
 802 LUU2 FLARE
 820 SA01 -CV- 1 ADSID
 821 SA02 HANDSID
 822 SA03 HELOSID
 823 SA04 FADSID
 824 SB01 -GSQ-117-ACQUBUY
 825 SB02 -LSQ- ACQUBUY
 826 SB03 SPIKE -CV3-
 827 SB04 DUMMY

UNCLASSIFIED

044

828 SD05 IGNID
829 SC01 MAGID
830 SD01 IRID
831 SE01 UVID
832 SF01 PIRID
833 MA01 MICRO GRAVEL
834 CBU40 (10 COUS'S)
835 MA03 NFB
836 MB01 GRAVEL BOMB
837 MR02 GRAVEL BOMB
838 CBU37 GRAVEL BOMB
839 CBU42 WAAPM (BLU54)
840 MB05 WAAPM30 (BLU54)
841 MC01 FAID
842 MC02 DAE
843 MD01 ALVM(CBU34/45)
844 MD02 (CBU39/45)
845 ME01 RTADSID(BLU439)
846 ME02 RTHDSID-CBU37/44
847 MF03 BIA
848 AVLMM-BLU45-CBU33A
849 AVLMM-BLU31(NEW BLU14)
850 MF02 RTHIDF45
851 MF03 RTHIDF146
852 MF04 M117(MOD MK75)
853 MF05 AETS (BLU529)
854 BLU31 LAND MINE(AG01)
861 SC01 ADSID III SENSOR
868 SC08 ACBUSID III SNR
869 COMMIKE III SENSOR
896 SA06 SENSOR
897 SA08 SENSOR
898 CBU30 RIOT CTL(BLU39)
899 ROCKEYE II
900 M129E1 LEAFLETS(1K)
910 HERBICIDE (GALLONS)
915 PASSENGERS
920 CARGO (TONS)
925 SPEAKER HOURS(TENTHS)
930 BATTLEFIELD CASUALTYS
935 RADIOS
950 SUU41 OSP F-CBU39/40
955 M129E1 CHAFF DISP
956 M129E2 CHAFF DISP
970 EXP01 EXP. WEAPON
971 EXP02 EXP. WEAPON
972 EXP03 EXP. WEAPON
973 EXP04 EXP. WEAPON
974 EXP05 EXP. WEAPON

TABLE=SD04C ARG=(1/1) FUNC=(3/3) USE=B SEADAB
* TABLE TO CONVERT OLD L/D CODES TO CURRENT CODES

A .
B H
C Q
D R
F S
G N
H I
I I
J Z
K V
L V
M K
N K
O V
P U
Q)
R X
S J
T J
U P
V V
W W
X V
Y V
Z V
1 -
2 (
3 Y
4 *
5 O

TABLE	STAGE	09 09	16 29	B	SEADAB
*	STAGE OF FLIGHT TACTIC TABLE				
A	AEROBATICS				
B	BOMB RUN				
C	CLIMB OUT				
D	DOWN WIND				
E	EGRESS				
F	FINAL				
G	GROUND				
H	GROUND REF				
I	INGRESS				
J	JINKING				
K	CRUISE				
L	LANDING ROLL				
M	EVAS MAN				
O	REC OREP				
P	JET PENT				
Q	RECIP LETDOWN				
R	AIR REFUEL				
S	STRAFING				
T	ROCKET FIRE				
U	UNKNOWN				
V	PREFLIGHT				
W	WEATHER				
X	DIVE				
Y	YO-YO				
Z	TAKE-OFF ROLL				
1	HOVERING				
2	LANDING PATTRN				
3	ENROUTE				
4	DROP				
5	TGT ATTACK				

TABLE	TSTAB	09 09	16 29	B	SEADAB
*	BOMB DAMAGE ASSESSMENT TABLE				
A	DESTROYED				
B	DAMAGED				
C	TARGET				
D	SILENCED				
E	SEC EXPLOSION				
F	SECONDARY FIRE				
G	RND-DLY RM/FU				
H	SUSTAINED FIRE				
I	WOUNDED BY AIR				
J	RND EXCESS DEF				
K	CUT				
L	RND DARK				
M	RND SMOKE				
N	RND FOLIAGE				
O	RND EVASIVE				
P	RND NONVISUAL				
Q	RND *****				
R	RND WEATHER				
S	OBSERVED				
T	SLIDES				
U	CRATERED				
V	RND FAC W/PASS				
W	KILLED BY AIR				
X	GRASS FIRE				
Y	+SEC EXPLOS				
Z	NODAMAGE MISS				
1	TIC BROKEN				
2	PROB KILL DEST				

TABLE	TTAB	09 10	16 33	B	SEADAB
*	TYPE TARGET STRUCK TABLE				
00	UNKNOWN				
01	BUNKERS				
02	STRUCTURES				
03	BUILDINGS				
04	FORTIFICATIONS				
05	REVEITEMENTS				
06	COMMAND POST				
07	DOCKS/HARBORS				
08	PACK ANIMALS				
09	PIPE LINE				
10	COMMUNICATIONS				
11	SAMPANS				
12	BOATS/HARCES				
13	100MM GUN SITE				
14	12.7 GUN SITE				
15	ARTILLERY				
16	AAA/37MM OR MORE				
17	SA SITE				
18	AA SITE				
19	AAA SITE UNK CAL				
20	ROCKET SITE				
21	MORTAR SITE				
22	SNIPER				
23	23MM GUN SITE				
24	85MM GUN SITE				
25	SAM SITE				
26	SAM LAUNCHER/EQMT				
27	TRUCKS				
28	TRUCK PARK				
29	MILITARY VEHICLES				
30	CONSTRUCTION VEHICLES				
31	ROADS/HIGHWAYS				
32	TRAILS				
33	RAIL LINES/ANY				
34	57MM GUN SITE				
35	TROOPS IN CONTACT				
36	LOCOMOT, RAIL VEH				
37	14.5MM GUN SITE				
38	TRELLIS-CAMOUFLAGE				
39	OX-CART				
40	PERSONNEL/ANY				
41	CONFIRM ENEMY LOC				
42	SUSP ENEMY LOC				
43	130 MM GUN SITE				
44	MISSILE TRANSPORTER				
45	STORAGE AREA				
46	AMMO STORAGE/DUMP				
47	POL STORAGE				
48	SUPPLIES/PICE/WEAPONS				
49	MISSILE				
50	SAM CANISTER				

UNCLASSIFIED

51 TUNNELS
52 CAVES
53 TRENCH
54 FOX HOLES
55 WAREHOUSE
56 RAILROAD BRIDGE
57 PONTON BRIDGE
58 FORDS/SUBSURFACE BRIDGE
59 CANAL
60 FOOT BRIDGE
61 FIREBASE
62 FACTORY/ANY
63 DOWNED AIRCRAFT
64 AIRCRAFT ON GROUND
65 AIRFIELD/ANY TYPE
66 RUNWAY
67 SHIP
68 GUNBOAT
69 FACTORY INDUSTRIAL
70 DECOY MOVER PLUS ANY
A1 BOMBER
A2 FIGHTER
A3 HELICOPTER/PORT/PAD
A4 TRANSPORT
A5 LANDING ZONE PREP
A6 BRIDGE/ANY
A7 AIRCRAFT TRANSPORT
A8 ACFT TRANSPORT ON GND
A9 ROAD/HIGHWAY/APPROACH
B1 POL BARRELS
B2 RADIO COMM ANY/ANT
B3 CAUSEWAY/DAM
B4 INTERDICTION POINT
B5 FERRY CROSSING
B6 FLOATING BAGS/BOXES
B8 PUMPING STATION
B9 POL TANKS
C0 WATERWAY
C1 TRAIN CAR ANY
C2 RAILROAD SIDING
C3 RAILROAD STA/TERM
C4 RAILROAD TRACK
C5 RAILROAD CROSSING
C6 RAILROAD YARDS
C7 MOVERS/ANY
C8 ARMORED VEHICLE
C9 RR TUNNEL
D0 BICYCLE/SCOOTER
D1 BULLDOZER
D2 DIKES
D3 FERRY
D4 JUNK
D5 HELICOPTER

UNCLASSIFIED

UNCLASSIFIED

12 1 75

D8	ROLLING STOCK
E0	TANK
E1	TRANSPORT/TRK/TRLR
E3	TRACKED VEHICLE
E4	VAN
E5	WATERCRAFT
E6	AGRICULTURAL AREA
E7	COMD CONTROL CENTR
E8	ANTENNA/RADIO
F0	COMMUNICATIONS/ANY
F1	BASE CAMP AREA
F2	CIV POPULATN CENTR
F3	RADIO COMMUNICATN
F4	BIVOUAC AREA
F5	HQ COMPLEX
F6	RADAR SRCH INTERCP
F7	RADAR SITE
F8	RADAR VAN
G1	AREA COMPLEX
G3	STRONG POINT
G4	MACHINE GUN (ANY)
G5	ROCKT LNCHR (R40, ETC)
G6	ROAD CONST MATERIAL
G7	LOGISTICS/ANY
G9	BIVOUAC/STORE AREA
H0	CAVE STORAGE
H1	CRATE/STORAGE CENT
H4	STAGING AREA
H5	OPEN STORAGE/DUMP
H6	SUPPLY STORAGE/DUMPS
H7	TRK/PRK/STORE AREA
H8	TRANSSHIP POINT
H9	WAY STA/BEST AREA
I2	CIV/COMMUN STORAGE
I3	DEFENSE STRUCTURE
I4	MTL BKKS/ADMIN SGT
I6	WEAPONS/ANY
I9	AUTO WEAPONS/ZPU
J0	NBR OF AAA PIECES
J5	SSH
J6	TOWER/OUTPOST/LKOUT
J7	AIRFLD/ACFT/ETC
J8	BRIDGES
J9	CCC/HQ/RADAR/ETC
K0	BNKR/TRENCH/ETC
K1	AMP/POL/SUP/CRT
K2	MILITARY COMPLEX
K3	PATLRCAD COMPLEX
K4	CIV/DEF/STOR
K5	AAA/SAM/SSH/ETC
K6	MULTIPLEX TGT
K7	MEAN PT OF IMPACT
L0	FLOATING BAGS/BOXES

UNCLASSIFIED

051

L1 LANDING ZONE CONST
L2 PRE-STRIKE
L3 INFILTRATION ROUTE
L4 RPTD ENEMY LOC
L5 TFA TARGET
M0 MIG17
M1 MIG19
M2 MIG21
M3 MIG23
M4 MIG17 ON GND
M5 MIG19 ON GND
M6 MIG21 ON GND
M7 MIG23 ON GND
N0 THERMAL POWER PLANT
N1 POWER SUB-STATION
R0 REFINERY, ANY
R1 REFINERY, METALS
R2 REFINERY, OIL/GAS
R3 HANGER/REVEINENTS
R4 TANK PARK
R5 NAVAL BASE
R6 COMMUNICATIONS VAN
R7 HH SAM SA/7
R8 SAM OXIDIZER
R9 MERCURY GRASS SITE
S1 CAUSEWAY
S2 DAM
S3 SA/3 SITE
S4 105MM GUN SITE
S5 122MM GUN SITE
S6 155MM GUN SITE
S7 175MM GUN SITE
S8 COASTAL DEFENSE SITE
S9 HYDROELEC PWR PLT

SUBROUTINES

TABLE=CALLS ARG=(1/1) FUNC=(11/30) USE=B SEADAB

* CALLS CONVERTS CALLSIGNS

* FIELDS CALSGN, TCALSGN

A	ABCCC
B	SUNDOG
C	RUSTIC
D	FAC SUP FW IN
E	SELF-FAC
F	SPIKE
G	GROUND FAC
H	FAC SUP US IN
I	TFA TRAFFIC ADV
J	TFA ATPHON PT TGT
K	SPARKY C-BOLT
L	LAREDO
M	MIKE(OUT-CTPY)
N	NAIL
O	OTHER(OUT)
P	PPETZEL
Q	TFA ATA TGTS
R	RAVEN
S	STORMY
T	FAC SUP ARVN IN
U	UNKNOWN
V	COVEY
W	WOLF
X	TIGER
Y	SPECTRE
Z	STINGER
1	MILKY-ABCCC
2	BRONCO-ABCCC
3	MACON-ABCCC
4	BROMO-ABCCC
5	LID-ABCCC
6	OWL

TABLE=CAUTAB ARG=(1/1) FUNC=(11/27) USE=B SEADAB

* CAUSE OF LOSS/DAMAGE

* FIELD - LCAUSE, LDEFTYP

A	AUTO WPN 12.7MM
B	AUTO WPN 14.5MM
C	ANTI-AC 23MM
D	ANTI-AC 37MM
E	ANTI-AC 57MM
F	ANTI-AC 85MM
G	ANTI-AC 100MM
H	SMALL ARMS FIRE
I	MORTAR FIRE
J	SAM
K	AC (MIG)
L	AUTO WPN-UNK
M	ANTI-AC UNK
N	GND FIRE-UNK
O	OTHER
P	UNKNOWN
Q	CONTAMINATED FUEL
R	ENGINE FAIL
S	FUEL DEPLETION
T	SABOTAGE
U	PILOT ERROR
V	AC SYS FAIL
W	WEATHER
X	MID-AIR COLLISON
Y	GND CREW ERROR
Z	ROCKET ATK
2	SAM SA-2
7	SAM SA-7
.	ANTI-AC 37/57MM
)	STRUCT FAIL
-	RECKLESS RIFLE
(SELF INFLICTED
*	JETTISONED/HELO

12 M 75

UNCL SIFIED

01 02

11 23

R

SEADAB

TABLE

*

CB

LA

TH

VN

VS

ZZ

CTRY
COUNTRY CONVERSION TABLE

CAMBODIA

LACS

THAILAND

NORTH VIETNAM

SOUTH VIETNAM

AT SEA

055

TABLE	FOLTAB	09 09	16 29	B	SEADAB
*	FLIGHT FOLLOWING TABLE				
A	SEED PACKAGE				
B	FLAC SUPPRESS				
C	TGT				
D	COMMANDO BOLT				
E	FREE DEAL EXT				
F	QK REACT FORCE				
G	ALL BR-IDP				
H	ALL SLIDP				
I	TGLCD WHITE				
J	ABCCC				
K	ARMED RECON				
L	Q26				
M	MU GIA				
N	NUMBER EXPEND				
O	GUNSHIP				
P	SANDY STRIKE				
Q	WEST OF DMZ				
R	CAMBODIA WEST				
S	FREE DEAL ALF				
T	FREEDOM DEAL				
U	110				
V	NITE CWL				
W	GNSHP ESCORT				
X	OTHER				
Y	SPECTAL OPS				
Z	RAVENS				
1	A BOX				
2	B BOX				
3	C BOX				
4	D BOX				
7	LAMSON 719				
8	UNK				

TABLE	LCASS	01 02	30 50	B	SEADAB
*	LCASS - LOAD CLASS	CODE			
A1		100LB GP M-30			
A2		100LB PWP M-47			
A3		100LB M-28			
A4		100LB FR M-142			
A5		OTHER			
B1		200/260 N81/38			
B2		250LB M-57			
B3		250LB MK-81			
B4		OTHER			
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 INCONDM32			
C8		OTHER			
C9		MK36DST MK82LD			
DX		BLU82B LZ CLR DEVICE			
D0		MK40DST MKP3LD			
D1		1000LB GP M-65			
D2		1000LB SAP M59			
D3		1000LB MK-83			
D4		2000LB M-66			
D5		2000LB MK-84			
D6		3000LB M-11P			
D7		OTHER			
EA		BLU52B/CS2			
EB		OTHER			
E1		250LB BLU-10			
E2		500BLU11/23/32			
E3		750LB BLU-1/27			
E4		MK77/MK79			
E5		3000 LB BLU-34			
F6		BLU-30			
E7		BLU-42			
E8		BLU-43			
E9		BLU-52			
FA		CBU-19			
FB		CBU-20			
FC		CBU-30			
FD		CBU-33			
FE		CBU-34			
FF		SCU-40A			
FF		CS-1 BULK DISP			
FG		ADU-285			
FI		CBU-10			
FJ		CBU-23			
FK		CBU 42/BLU548			
FL		CBU33/BLU 45			
FM		CBU28/BLU438			

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FN	CBU37/BLU44
FJ	CBU-1
FD	CBU-7
FQ	CBU 40
FR	CBU 46
FS	CS-1 BULK DISP
FT	CBU-18
FU	CBU-30
FV	CBU-11
FW	CBU-13
FX	CBU 49
FY	GMU1 GUIDED MK20
FZ	MK-20
FO	ROCKEYE 500LB BOMB
F1	CBU-2
F2	CBU-3
F3	CBU-12
F4	CBU-14/15/25
F5	CBU-22
F6	CBU-24/29
F7	CBU 25
F8	ADU-253
F9	ADU-273
GA	LAU-54
GB	OTHER
GC	2.75 IN ANTI-TANK RKT
GO	PKT LAUCH LAU-60
G1	LAU-3A/AER07
G2	LAU-32/AER0-6A
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 HVAR RKT
I1	M-3
I2	MK-11/MK-12
I3	M-37
I4	M-61
I5	MK20MDDC(CS)
I6	OTHER
J1	40MM HE XM384
J2	5.56MM
J3	30 CAL
J4	50 CAL
J5	7.62MM
J6	OTHER
J7	12.7 MM AMMO

UNCLASSIFIED

K1	BULLPUP A/B
K2	BULLPUP B
K3	SHRIKE
K4	WALLEYE
K5	STD/ARM AGM-78
K6	AGM-87
K7	AGM-65A MAVERICK
L1	FALCON
L2	SPARRROW
L3	SIDEWINDER
L4	FALCON AIM-26
M1	MK-24
M2	PH FLASH M112
M3	PH FLASH M120
M4	PH FLASH M123
M5	MLU22/B99 FLARE
M6	LUU2 FLARE
N1	MLU-100
N2	XN40E5
N3	BUTANOTISLESCAN
N4	XN41UNITS-CAN
N5	XN41F1
N6	BLU71
N7	XN65 MINE ANTI-PERS
N8	XN43A CHEM MINE PERS
N9	OTHER
O2	MK 36
O4	MK-36 DESTRUCT
O5	MK40 DESTRUCTOR
O6	MK-52
O7	XN145
O8	XN146
O9	OTHER
Y8	30 DAY CAN
Y1	LEAFLET BOMB
Y2	LEAFLET MANUAL
Y3	DRONE AGM-37A
Y4	HERBICIDE
Y5	HILL GENIE
Y9	OTHER
Z0	OTHER
Z1	TROOPS
Z2	CARGO
Z3	PHOTO EQUIP
Z4	ALQ-91
Z5	ALP-27
Z5	ALT-28
Z6	ATR-52A
Z7	RADIOS
ZA	ATP DELIV SEISMIC MO
ZB	GSQ-26 PHASE II
ZC	GSQ-127 PHASE II
ZD	MICRO GRAVEL

UNCLASSIFIED

12 75

UNCLASSIFIED

E 65

ZE
ZF
ZG
ZH
ZZ

GRAVEL
SENSOR
DISPENSER
CHAFF
UNKNOWN

12 1 75

UNC SIFIED

E 66

TABLE
01 JAN
02 FEB
03 MAR
04 APR
05 MAY
06 JUN
07 JUL
08 AUG
09 SEP
10 OCT
11 NOV
12 DEC

MONTS

02

03

BF SEADAB

12 75

UNCL SIFTED

TABLE=MOVES ARG=(1/1) FUNC=(11/17) USE=B SEADAB

* TARGET MOVEMENT TABLE

* FIELD - AFRCMOV

N	NORTH
S	SOUTH
E	EAST
W	WEST
X	PARKED
U	UNKNOWN

TABLE=SD05AS ARG=(1/1) FUNC=(11/31) USE=B SEADAB

* TGT ACQSTN AND WPN DLVRY CODES

* FIELDS - AFRACCC, ARROSTK

* E = COMMANDO RING PRIOR 1 NOV 71

* N = VNAF PRIOR 25 AUG 71

* S = LASER/ALL PRIOR 1 NOV 71

* J = SUPRISE PACKAGE PRIOR 1 NOV 71

* R = COMMANDO NAIL PRIOR 1 NOV 71

* M = MK36 EXPENDED PRIOR 1 NOV 71

* T = TRPS-IN-CONTACT PRIOR 1 NOV 71

B ANTI

C COMBAT SKYSPOT

D RADAR/STRT PATH BRAVO

E PAVE KNIFE

F VISUAL

G SLCA/TACAN

J PAVE SWORD

K STRT PTH C

L LORAN

M PAVE MACE

N PAVE NAIL

O I/R

P PAVE WAY

Q STRT PTH D

R BLACK CROW

S LASOR (AC130)

T TISSED

U STRT PTH E

V TV/NOO

X STRT PTH F

1 STRT PTH G

2 STRT PTH H

3 STRT PTH I

4 STRT PTH M

5 STRT PTH N

TABLE	SD175	09 09	16 21	B	SEADAB
*	ACTIVE AIR WING				
*	WING FIELD 1/1 AS OF 6 JULY 71				
A	366TFW				
B	388TFW				
C	8TFW				
D	35TFW				
E	12TFW				
F	432TRW				
G	460TRW				
H	362TEW				
I	361TEW				
J	360TEW				
K	483TAW				
L	42TEW				
M	56SCW				
N	834ARD				
O	374TAW				
P	307SW				
Q	23WG				
R	43WG				
S	74WG				
T	41WG				
U	62WG				
V	72WG				
W	33WG				
X	77CTF				
Y	315TAW				
Z	34PRGP				
1	504TSG				
2	377ABW				
3	49TFW				

TABLE=SD19S ARG=(1/1) FUNC=(11/30) USE=B SEADAB

*	REASON MOVERS NOT ATTACKED
*	FIELD - ARCONHT
A	NO STK AC AVALBL
B	BATTLE DMG
C	CMTD ATK DIF TGT
D	DIV MORE LUCRATIVE
E	DARKNESS
F	FOLIAGE
G	NO FAC AVALBL
H	HDQ DIRECTED
I	CMTD ATK HP PRTY TGT
J	LOST SITE OF TGT
K	RET TO BASE
L	BOMB LINE
M	MALFUNCTION (WPN/AC)
N	ORDNANCE
O	OTHER
P	STK IN PROGRESS
Q	TGT OBSCURED
R	RULES OF ENGAGMNT
S	SPECIAL
T	FRNDLY TRPS IN AREA
U	NO REASON GIVEN
V	BINGO FUEL
W	TGT WX
X	ENEMY DEF EXCESSIVE

TABLE=SD34S ARG=(1/2) FUNC=(4/20) USE=B SEADAB

* TABLE TO GROUP TARGETS FOR SD34T

D1 2 BLDZR/CNST VEH
30 2 BLDZR/CNST VEH
36 3 RR VEH/LOCOMTIVS
D8 4 RR ROLL STOCK
C1 4 RR ROLL STOCK
E0 5 TANKS
27 6 TRUCKS
11 1 WBLC
12 1 WBLC
67 1 WBLC
D3 1 WBLC
D4 1 WBLC
E5 1 WBLC

12 75

TABLE
*

SERVS	SERVICE CODE
V	VNAF
R	RAAF
M	MARINE
N	NAVY
A	ARMY
L	RLAF
F	USAF
K	KAF
O	OTHER

UNC SIFIED

09 09

16 21

8

SEADAB

067

TABLE	SPECTAB	09 09	16 29	B	SEADAB
#	SPECIAL OPERATIONS TABLE				
A	WHEEL CL				
B	AMTI				
C	CMBT SKYSPOT				
D	PADAR				
E	COMMANDO RING				
F	FLEET TARGET				
G	LOA/TACAN				
H	LZ PREP				
I	IRON HAND				
J	SURPRISE PACK				
K	STRT PATH C				
L	LOPAN DEL SYS				
M	MK36 EXPENDED				
N	VNAF				
O	IR				
P	PAVE WAY				
Q	STRT PATH D				
R	COMMANDO NAIL				
S	LASEP				
T	TRPS IN CONT				
U	STRT PATH E				
V	TV/NOD				
W	VNAF FAC TG SU				
X	STRT PATH F				
Y	SUC RECCE MSN				
Z	UNSC RECE MSN				
1	STRT PATH G				
2	STRT PATH H				
3	STRT PATH I				
4	STRT PATH M				
5	STRT PATH N				

TABLE=TFACDS ARG=(1/1) FUNC=(11/21) USE=8 SEADAB
* TFA AND DUP CODES
* FIELD - TTFA
B BATCAT
D DUP SITING
F FXD TGT ADV
H HEADSHED
T DUP TGT
S DUP STK

TITLE 'AREAS - IN AND OUT-COUNTRY AREA CODES'

2 CHARACTERS IN 19 OUT

*

AREAS

TBLQ	89,2,19	.
DC	C'1 NVN	.
DC	C'1TNVN	.
DC	C'2 NVN	.
DC	C'3 NVN	.
DC	C'4 NVN	.
DC	C'5 NVN	.
DC	C'6ANVN	.
DC	C'6BNVN	.
DC	C'RTNVN	.
DC	C'T THAILAND	.
DC	C'GTTONKIN GULF	.
DC	C'BWBARREL ROLL W	.
DC	C'BNBARREL ROLL N	.
DC	C'BEBARREL ROLL E	.
DC	C'BZBARREL ROLL BZ	.
DC	C'SESTEEL TIGER E	.
DC	C'SWSTEEL TIGER W	.
DC	C'BTNVN	.
DC	C'BRBARREL ROLL	.
DC	C'SLSOUTH LAOS	.
DC	C'CBCCOMMAND BASKET	.
DC	C' 1I CORPS	.
DC	C' 2II CORPS	.
DC	C' 3III CORPS	.
DC	C' 4IV CORPS	.
DC	C'R1I RLAF SECTOR	.
DC	C'R2II RLAF SECTOR	.
DC	C'R3III RLAF SECTOR	.
DC	C'R4IV RLAF SECTOR	.
DC	C'R5V RLAF SECTOR	.
DC	C'H RATAKIRI P	.
DC	C'J MONDULKIRI P	.
DC	C'K KRATIE, KOMPONG CHAM	.
DC	C'L SVAYRIENG, PREYSPOE	.
DC	C'M KANDAL, TAKEO, KAMPOT	.
DC	C'U KACHKONG, KAMPONGSPOE	.
DC	C'V STONG TRENG P	.
DC	C'W PREAHVEHAR, KOMPONGTH	.
DC	C'X KOMPONGCHHNG, PUSSAT	.
DC	C'Y ODRMNCH, SREP, BTMBNG	.
DC	C'00UNKNOWN	.
DC	C'01QUANG TRI	.
DC	C'02THUA THIEN	.
DC	C'03QUANG NAM	.
DC	C'04QUANG TIN	.
DC	C'05QUANG NGAI	.
DC	C'06KONTUM	.
DC	C'07BINH DINH	.
DC	C'08PLEIKU	.
DC	C'09PHU YEN	.

UNCLASSIFIED

DC C'10DARLAC
DC C'11KHANH HOA
DC C'12TUYEN DUC
DC C'13QUANG DUC
DC C'14PHUOC LONG
DC C'15LAM DUNG
DC C'16MINH THUAN
DC C'17BINH THUAN
DC C'18BINH TUY
DC C'19LONG KHANH
DC C'20PHUOC THANH
DC C'21BINH LONG
DC C'22TAY NINH
DC C'23BINH DUONG
DC C'24GIA DINH
DC C'25BIEN HOA
DC C'26PHUOC TUY
DC C'27LONG AN
DC C'28KIEN TUONG
DC C'29KIEN PHONG
DC C'30DINH TONG
DC C'31AN GIANG
DC C'32VINH LONG
DC C'33KIEN HOA
DC C'34VINH BINH
DC C'35 PHONG DINH
DC C'36KIEN GIANG
DC C'37CHUONG THIEN
DC C'38BA XUYEN
DC C'39AN XUYEN
DC C'40CON SON
DC C'41PHU BON
DC C'42HAU NGHIA
DC C'43GO CONG
DC C'44BAC LIEU
DC C'45CHAU DOC
DC C'46SA DEC
DC C'49PHU QUOC
DC C'50DMZ
END



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 Southeast Asia Database of Air Sorties File (SEADAB), January – February 1970, 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 ANSI standard labels, using an ASCII character set. The data file was blocked at 12,056 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: NN3-218-76-027
Prepared by: J. Powell, Archives Specialist
Date: December 1, 2004

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

SEADAB.TR. 7001

Dump
M20902
DS#1
(1st 10 k)

FILE #1 BLOCK # 0 RECORD # 0

0000 37 30 30 31 30 31 30 30 34 30 20 20 20 20 20 20	7001010040
0010 49 46 41 31 32 53 4F 53 20 20 20 20 20 20 20 20	IFA12SOS
0020 20 55 43 31 32 33 4B 30 30 30 30 30 30 30 30	UC123K0000000000
0030 30 30 30 30 30 20 20 20 20 20 20 20 20 20 56 53	00000 VS
0040 20 20 20 30 30 30 20 20 20 20 30 30 30 30 20 20	000 0000
0050 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20	00000
0060 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	
0070 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	
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00A0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	
00B0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	
00C0 20 20 20 20 20 20 55 43 31 32 33 4B 35 37 36 32	UC123K5762
00D0 39 31 20 20 46 41 31 32 53 4F 53 20 33 31 35 53	91 FA12SOS 315S
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