

Earth 569 Sc

NIMBUS 7
LIMS RADIANCE ARCHIVE TAPE
78-098A-01B

ESAC-00032

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

REQ. AGENT
BER

RAND NO.
V0048

ACQ. AGENT
YPS

NIMBUS 7

LIMS RADIANCE ARCHIVE TAPE (RAT)

78-098A-01B

ESAC-00032

THIS DATA SET CATALOG CONSISTS OF 205 MAGNETIC TAPES. THE TAPES ARE 9-TRACK, 1600 BPI, AND CREATED ON A 360/91 COMPUTER. THE TAPES ARE MULTI-FILED, THE FIRST IS AN EBCDIC HEADER FILE WRITTEN TWICE, THE REMAINING FILES ARE BINARY. THE D TAPES HAVE BEEN ARCHIVED AT THE FEDERAL RECORDS CENTER. DOCUMENTATION FOR THIS DATA SET CAN BE FOUND IN ROOM 123, IN THE FILING CABINET. THE D AND C NUMBERS, ALONG WITH THE TIME SPANS ARE AS FOLLOWS:

<u>D#</u>	<u>C#</u>	<u>FRC BOX #</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-54233		5493	14	10/25/78 - 10/26/78
D-53955		5484	12	10/26/78 - 10/27/78
D-53954		5484	12	10/27/78 - 10/28/78
D-54238		5493	14	10/28/78 - 10/29/78
D-54237		5493	13	10/29/78 - 10/30/78
D-54264		5495	14	10/30/78 - 10/31/78
D-54239		5494	15	10/31/78 - 11/01/78
D-53922		5481	15	11/01/78 - 11/02/78
D-56955			15	11/02/78 - 11/03/78
D-53951		5498	15	11/03/78 - 11/04/78
D-55005	C-22937		15	11/04/78 - 11/05/78
D-53880		5479	14	11/05/78 - 11/06/78
D-53846		5476	15	11/06/78 - 11/07/78
D-53881		5478	15	11/07/78 - 11/08/78
D-53882		5478	15	11/08/78 - 11/09/78
D-53848		5476	15	11/09/78 - 11/10/78
D-53847		5476	15	11/10/78 - 11/11/78
D-53852		5476	14	11/11/78 - 11/12/78
D-53851		5476	15	11/12/78 - 11/13/78
D-55011	C-22943		15	11/13/87 - 11/14/78
D-53849		5476	15	11/14/78 - 11/15/78
D-53936		5483	15	11/15/78 - 11/16/78
D-54222		5492	15	11/16/78 - 11/17/78
D-53944		5483	13	11/17/78 - 11/18/78
D-53850		5476	14	11/18/78 - 11/19/78
D-53908		5480	15	11/19/78 - 11/20/78
D-53902		5480	14	11/20/78 - 11/21/78
D-53904		5480	14	11/21/78 - 11/22/78
D-55002	C-22934		15	11/22/78 - 11/23/78
D-54275		5496	14	11/23/78 - 11/24/78

78-098A-01B

D#	C#	FRC BOX	FILES	TIME SPAN
D-54267		5496	15	11/24/78 - 11/25/78
D-53907		5480	3	11/25/78 - 11/26/78
D-53910		5480	16	11/26/78 - 11/27/78
D-53906		5480	15	11/27/78 - 11/28/78
D-54276		5496	9	11/28/78 - 11/29/78
D-54250		5494	14	11/29/78 - 11/30/78
D-53905		5480	14	11/30/78 - 12/01/78
D-53929		5482	15	12/01/78 - 12/02/78
D-53937		5483	15	12/02/78 - 12/03/78
D-53939		5483	15	12/03/78 - 12/04/78
D-53938		5483	14	12/04/78 - 12/05/78
D-53943		5483	14	12/05/78 - 12/06/78
D-53935		5482	14	12/06/78 - 12/07/78
D-53854		5476	13	12/08/78 - 12/09/78
D-53927		5482	15	12/09/78 - 12/10/78
D-53941		5483	15	12/10/78 - 12/11/78
D-54262		5495	15	12/11/78 - 12/12/78
D-53940		5483	14	12/12/78 - 12/13/78
D-53926		5482	15	12/13/78 - 12/14/78
D-54249		5494	15	12/14/78 - 12/15/78
D-54997	C-22929		15	12/15/78 - 12/16/78
D-54284		5494	14	12/16/78 - 12/17/78
D-54270		5496	14	12/17/78 - 12/18/78
D-54278		5497	15	12/18/78 - 12/19/78
D-54283		5497	15	12/20/78 - 12/21/78
D-54254		5495	6	12/21/78 - 12/22/78
D-54998	C-22930		15	12/22/78 - 12/23/78
D-55008	C-22940		15	12/24/78 - 12/25/78
D-53934		5482	12	12/25/78 - 12/26/78
D-53915		5481	15	12/26/78 - 12/27/78
D-53914		5481	15	12/27/78 - 12/28/78
D-53916		5481	15	12/28/78 - 12/29/78
D-53919		5481	14	12/29/78 - 12/30/78
D-53917		5481	15	12/30/78 - 12/31/78
D-54266		5496	16	01/01/79 - 01/02/79
D-54252		5495	15	01/02/79 - 01/03/79
D-54218		5492	14	01/03/79 - 01/04/79
D-53654		5465	15	01/04/79 - 01/05/79
D-53931		5482	15	01/05/79 - 01/06/79
D-53920		5481	15	01/06/79 - 01/07/79
D-54221		5492	15	01/07/79 - 01/08/79
D-53860		5477	15	01/08/79 - 01/09/79
D-53932		5482	14	01/09/79 - 01/10/79
D-53930		5482	15	01/10/79 - 01/11/79
D-53861		5477	15	01/11/79 - 01/12/79
D-53918		5481	16	01/13/79 - 01/14/79
D-53921		5481	14	01/14/79 - 01/15/79
D-53956		5484	14	01/15/79 - 01/16/79
D-54248		5494	13	01/16/79 - 01/17/79
D-53853		5476	15	01/17/79 - 01/18/79

78-098A-01B

D#	C#	FRC BOX	FILES	TIME SPAN
D-53855		5476	15	01/18/79 - 01/19/79
D-53947		5476	15	01/19/79 - 01/20/79
D-54263 ✓		5495	15	01/20/79 - 01/21/79
D-54256 ✓		5496	14	01/21/79 - 01/22/79
D-55004 ✓	C-22936		15 ¹³	01/22/79 - 01/23/79
D-54225 ✓		5492	15	01/23/79 - 01/24/79
D-54245 ✓		5494	15	01/24/79 - 01/25/79
D-55013 ✓	C-22945		15	01/25/79 - 01/26/79
D-53894 ✓		5479	15	01/26/79 - 01/27/79
D-54253 ✓		5495	14	01/27/79 - 01/28/79
D-54246 ✓		5494	15	01/28/79 - 01/29/79
D-54271 ✓		5496	15	01/29/79 - 01/30/79
D-53933 ✓		5482	15	01/30/79 - 01/31/79
D-53953 ✓		5484	15	01/31/79 - 02/01/79
D-54251 ✓		5494	15	02/01/79 - 02/02/79
D-54247 ✓		5494	14	02/02/79 - 02/03/79
D-53903 ✓		5480	15	02/03/79 - 02/04/79
D-54279 ✓		5497	15	02/04/79 - 02/05/79
D-54260 ✓		5495	15	02/05/79 - 02/06/79
D-53653 ✓		5465	15	02/06/79 - 02/07/79
D-54261 ✓		5495	14	02/07/79 - 02/08/79
D-54216 ✓		5492	14	02/08/79 - 02/09/79
D-54217 ✓		5492	15	02/09/79 - 02/10/79
D-54241 ✓		5494	14	02/10/79 - 02/11/79
D-53911 ✓		5481	15	02/11/79 - 02/12/79
D-53856 ✓		5476	15	02/12/79 - 02/13/79
D-53913 ✓		5481	14	02/13/79 - 02/14/79
D-53912 ✓		5481	15	02/14/79 - 02/15/79
D-54242 ✓		5494	9	02/15/79 - 02/16/79
D-54240 ✓		5494	15	02/16/79 - 02/17/79
D-53948 ✓		5483	15	02/18/79 - 02/19/79
D-53949 ✓		5483	14	02/19/79 - 02/20/79
D-53950 ✓		5484	15	02/20/79 - 02/21/79
D-55015 ✓	C-22947		15	02/21/79 - 02/22/79
D-53923 ✓		5481	15	02/22/79 - 02/23/79
D-53952 ✓		5484	15	02/23/79 - 02/24/79
D-54265 ✓		5496	14	02/24/79 - 02/25/79
D-53945 ✓		5483	15	02/25/79 - 02/26/79
D-53946 ✓		5483	15	02/26/79 - 02/27/79
D-53924 ✓		5482	15	02/27/79 - 02/28/79
D-53942 ✓		5483	15	02/28/79 - 03/01/79
D-53909 ✓		5480	3	03/01/79 - 03/02/79
D-53898 ✓		5480	14	03/02/79 - 03/03/79
D-54230 ✓		5493	15	03/03/79 - 03/04/79
D-55006 ✓	C-22938		15	03/05/79 - 03/06/79
D-55007 ✓	C-22939		15	03/06/79 - 03/07/79
D-54273 ✓		5496	15	03/07/79 - 03/08/79
D-53857 ✓		5476	14	03/08/79 - 03/09/79
D-54227 ✓		5493	15	03/09/79 - 03/10/79
D-54226 ✓		5493	15	03/10/79 - 03/11/79

78-098A-01B

D#	C#	FRC BOX	FILES	TIME SPAN
D-54229 ✓		5493	15	03/11/79 - 03/12/79
D-54223 ✓		5492	15	03/12/79 - 03/13/79
D-54228 ✓		5493	13	03/14/79 - 03/15/79
D-53859 ✓		5477	15	03/15/79 - 03/16/79
D-53858 ✓		5476	15	03/16/79 - 03/17/79
D-55000 ✓	C-22932 ✓		15	03/17/79 - 03/18/79
D-53928 ✓		5482	15	03/18/79 - 03/19/79
D-53896 ✓		5479	10	03/19/79 - 03/20/79
D-53897 ✓		5479	15	03/20/79 - 03/21/79
D-54996 ✓	C-22928 ✓		15	03/21/79 - 03/22/79
D-53899 ✓		5480	15	03/22/79 - 03/23/79
D-55014 ✓	C-22946 ✓		15	03/23/79 - 03/24/79
D-53895 ✓		5480	15	03/24/79 - 03/25/79
D-54255 ✓		5495	14	03/26/79 - 03/27/79
D-54258 ✓		5495	15	03/27/79 - 03/28/79
D-54277 ✓		5496	15	03/28/79 - 03/29/79
D-53925 ✓		5482	15	03/29/79 - 03/30/79
D-53900 ✓		5480	15	03/30/79 - 03/31/79
D-54268 ✓		5496	14	03/31/79 - 04/01/79
D-53874 ✓		5478	15	04/01/79 - 04/02/79
D-55016 ✓	C-22948 ✓		15	04/02/79 - 04/03/79
D-53871 ✓		5477	14	04/03/79 - 04/04/79
D-53875 ✓		5478	10	04/04/79 - 04/05/79
D-54272 ✓		5496	14	04/05/79 - 04/06/79
D-53877 ✓		5478	14	04/06/79 - 04/07/79
D-53876 ✓		5478	15	04/07/79 - 04/08/79
D-55012 ✓	C-22944 ✓		15	04/08/79 - 04/09/79
D-55003 ✓	C-22935 ✓		15	04/09/79 - 04/10/79
D-55009 ✓	C-22941 ✓		15	04/10/79 - 04/11/79
D-53880 ✓		5479	13	04/11/79 - 04/12/79
D-53889 ✓		5479	15	04/12/79 - 04/13/79
D-54243 ✓		5494	15	04/13/79 - 04/14/79
D-54280 ✓		5497	15	04/14/79 - 04/15/79
D-54257 ✓		5495	12	04/15/79 - 04/16/79
D-54244 ✓		5494	15	04/17/79 - 04/18/79
D-54282 ✓		5497	14	04/19/79 - 04/20/79
D-54269 ✓		5496	15	04/20/79 - 04/21/79
D-53901 ✓		5480	14	04/21/79 - 04/22/79
D-54220 ✓		5492	14	04/22/79 - 04/23/79
D-54224 ✓		5492	15	04/23/79 - 04/24/79
D-55001 ✓	C-22933 ✓		15	04/24/79 - 04/25/79
D-54215 ✓		5492	13	04/25/79 - 04/26/79
D-54219 ✓		5492	15	04/26/79 - 04/27/79
D-54259 ✓		5495	10	04/27/79 - 04/28/79
D-53868 ✓		5477	2	04/28/79 - 04/29/79
D-53872 ✓		5478	14	04/29/79 - 04/30/79
D-53864 ✓		5477	14	04/30/79 - 05/01/79
D-53867 ✓		5477	15	05/01/79 - 05/02/79
D-53862 ✓		5477	14	05/02/79 - 05/03/79
D-53873 ✓		5478	14	05/03/79 - 05/04/79

these tapes are missing 2/1/79

78-098A-01B

D#	C#	FRC BOX	FILES	TIME SPAN
D-53869 ✓		5477	15	05/04/79 - 05/05/79
D-53870 ✓		5477	13	05/05/79 - 05/06/79
D-53863 ✓		5477	15	05/06/79 - 05/07/79
D-55010 ✓	C-22942 ✓		15	05/07/79 - 05/08/79
D-53865 ✓		5477	15	05/08/79 - 05/09/79
D-53866 ✓		5477	13	05/09/79 - 05/10/79
D-54999 ✓	C-22931 ✓		15	05/10/79 - 05/11/79
D-53879 ✓		5478	15	05/11/79 - 05/12/79
D-53878 ✓		5478	15	05/12/79 - 05/13/79
D-54281 ✓		5497	14	05/13/79 - 05/14/79
D-54232 ✓		5493	15	05/14/79 - 05/16/79
D-54231 ✓		5493	16	05/16/79 - 05/17/79
D-54236 ✓		5493	14	05/17/79 - 05/18/79
D-54235 ✓		5493	16	05/18/79 - 05/19/79
D-54234 ✓		5493	15	05/19/79 - 05/20/79
D-53885 ✓		5479	14	05/20/79 - 05/21/79
D-53884 ✓		5478	13 ¹⁵	05/21/79 - 05/22/79
D-53883 ✓		5478	15	05/22/79 - 05/23/79
D-53888 ✓		5479	15	05/23/79 - 05/24/79
D-53887 ✓		5479	16	05/25/79 - 05/26/79
D-53886 ✓		5479	14	05/26/79 - 05/27/79
D-53891 ✓		5479	14	05/27/79 - 05/28/79
D-53892 ✓		5479	14	05/28/79 - 05/29/79
D-53893 ✓		5479	15	05/29/79 - 05/30/79
D-54274 ✓		5496	10	05/30/79 - 05/31/79

B R I E F D E S C R I P T I O N
Radiance Archival Tape (RAT)
78-098A-01B

This experimenter-supplied IR radiance data set is on binary magnetic tape created on an IBM 360 computer. It contains calibrated and earth-located radiances, as well as housekeeping information, instrument status, and data quality information. Radiances are measured both day and night in six spectral ranges and are profiled at 4-deg zones from 64 deg S. to 84 deg N. Vertical coverage extends from approximately 10 to 50 km, with the ozone channel measuring through the lower mesosphere to 65 km. Though calibrated, the radiances are not corrected for instrument effects such as field-of-view, electronic delay, and spacecraft motion. There is one Radiance Archival Tape (RAT) per data day covering the period from October 26, 1978, through May 30, 1979, minus 15 off days.

M A T E R I A L S F O R D I S T R I B U T I O N
78-098A-01B
Radiance Archival Tape (RAT)

NOPs tape specification T564011 (Rev. C, 7/81).

A C K N O W L E D G E M E N T S

When using the data in any reports, publications, or presentations, please acknowledge the National Space Science Data Center and the following individuals or groups:

78-098A-01B

Dr. James M. Russell, Iii, Nasa Langley Research Center, And Dr. John C. Gille, National Center For Atmospheric Research, Members Of The Lims Nimbus Experiment And Information Processing Teams

78-098A-01B

SENSOR/INSTRUMENT: LIMS

TAPE SPEC. NO. T564011, REVISION ● C DATED: 07/15/81
~~7/15/81~~

SPEC. TITLE LIMS RADIANCE ARCHIVAL TAPE

REVIEWED BY: Paul Bailey DATE 7/17/80

APPROVED BY: _____ DATE _____
Gary Wolford
NOPS Manager

7/10/80 Rev. B. PLB

07/15/81 Rev C. BJG.

NIMBUS G

NIMBUS OBSERVATION PROCESSING SYSTEM (NOPS)

REQUIREMENTS DOCUMENT # NG-34

TAPE SPECIFICATION T564011

LIMS RADIANCE ARCHIVAL TAPE (RAT)

Prepared by:

Paul L. Bailey

Paul L. Bailey

Date: 7/10/80

Rev. c added new standard header

ABSTRACT

The LIMS RADIANCE ARCHIVAL TAPE (RAT) is generated by NCAR and represents the first high level LIMS archival product to be created. The master file will reside on the NCAR mass storage system and copies will be sent to the NASA distribution center on nine track, 1600 BPI tape. It will contain a standard header written in EBCDIC twice as the first file.

Each tape will contain between one and fourteen orbits of data with each orbit separated by a file mark. Two file marks will occur at the end of the last orbit.

I. REQUIREMENT IDENTIFICATION

LIMS RAT TAPE SPECIFICATION T564011

II. INPUT DATA SOURCE

LIMS ILT, Tape Specification T 526031

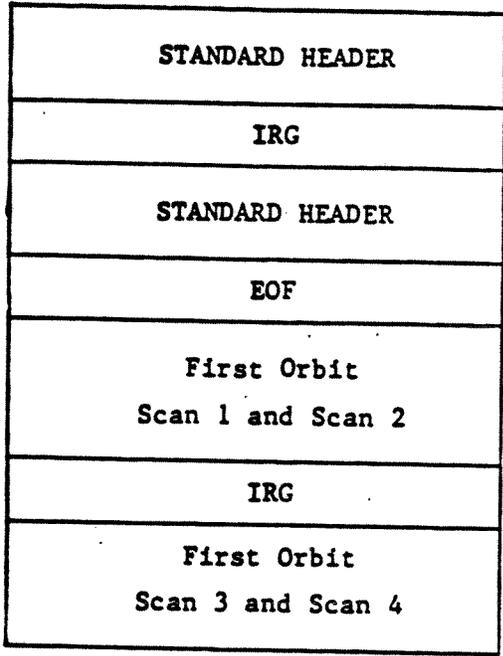
LIMS UFO, Tape Specification T516061

III. OPERATING MODE

The UFO and ILT tapes will be produced by GSFC and mailed to NCAR in weekly batches. Data is available only when the LIMS subsystem is on. The two source data streams will be edited and compressed with the results being stored on interim files on the NCAR mass storage system. The RAT files will be the result of a time merge of the ILT and UFO. The RAT will contain all useable LIMS scans.

IV. GROSS FORMAT

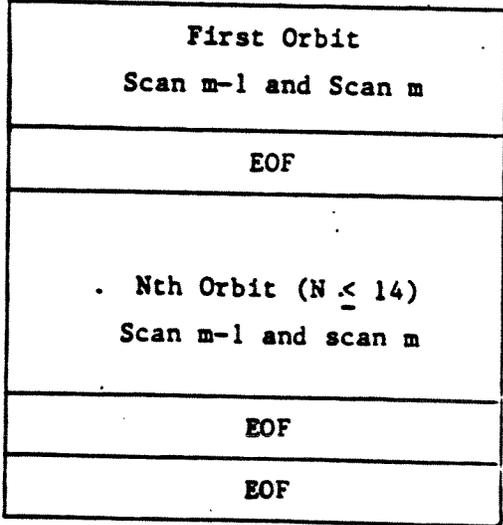
Beginning of Tape



2 scans
Per Record

FIRST
FILE

Repeat for
scan pairs $m/2$



REPEAT FOR
N FILES
1 Orbit/File

effective date _____

STANDARD HEADER SPECIFICATION AND TAPE DOCUMENTATION

78-098A-01B

(p.4)

V.1 GENERAL

All computer compatible tapes (CCT's) that are used as interfaces within NOPS require some form of identification. This applies to all CCT's that are currently defined by a NOPS tape specification, and that are also used for distribution or archiving purposes.

In addition to defining a "latest" product, data relating to previous products that went into the making of the "latest" product provides useful information when system problems occur.

The purpose of this revision to existing NOPS tape specifications is to define a scheme that allows the recording of the genealogy of a "latest" product, and in general adheres to existing tape documentation standards.

In brief the system is as follows:

1. A documentation file that consists of a string of physical records follows the data on any tape defined by a current NOPS tape specification. This will be referred to as a Trailing Documentation File (TDF), and be the last file on a tape when it exists.

2. The standard NOPS header file remains as defined, with minor modifications to the standard header record that reflect both the existence of a TDF and adherence to the IPD standard for sequence numbers.

The following sections define the NOPS standard header records and file, and the TDF. Data files as currently defined in NOPS tape specification remain unchanged.

V.2 STANDARD HEADER RECORD (SHR)

The SHR will consist of one physical record that consists of 5 logical records of 126 EBCIDIC characters. The first 126 characters will remain as previously defined with the exception of CHARACTER 1, and those characters that define the sequence number (40-45). CHARACTER 1 will contain an asterisk (*) and serve to notify all systems that a TDF is likely to follow the main data files and that the next logical record contains information relevant to complete identification. As of the implementation date of this specification, all sequence numbers will have the following form that is an IPD standard:¹

¹This does not apply to CZCS Data. For CZCS data, CHARACTERS 40 to 45 represent a 6-digit sequence number.

CHARACTER 40 = The last digit of the year in which the data were acquired.

CHARACTER 41-43 = Julian day of the year in which the data were acquired.

CHARACTER 44 = Sequence number for this particular product (usually a 1) (e.g., CLDT's will have a 1 and 2, as there are 2 products per day).

CHARACTER 45 = The existing hyphen remains unless there is a remake of the tape for any reason. In this case, an ascending alpha character will replace the hyphen, and the most recent reasons for remake will be recorded in logical record 4 of the header.

CHARACTER 47 = This will remain as a blank unless it is needed to remove ambiguities in CHARACTER 40. This may occur if data are being acquired on October 24, 1988.

This scheme will uniquely identify any tape when used in conjunction with the tape specification number, the PDFC code, and the subsystem identification.

The second logical record consisting of 126 characters will contain information that is required to complete the history of the product.

CHARACTER 1-12 = Software program name and version number.

CHARACTER 13-18 = Program documentation reference number, if it exists.

CHARACTER 20-126 = User defined comments that may be more relevant to the user than the preceding ones.

The NOPS standard header file will continue to consist of 2 records, the second being a duplicate of the first. Logical records 3 and 4 may be used for anything desired if no remake information is required.²

V.3 TRAILING DOCUMENTATION FILE (TDF)

The TDF will consist of all NOPS standard header records (non-duplicated) that relate to products that have gone into the making of the current product. Documentation records will be

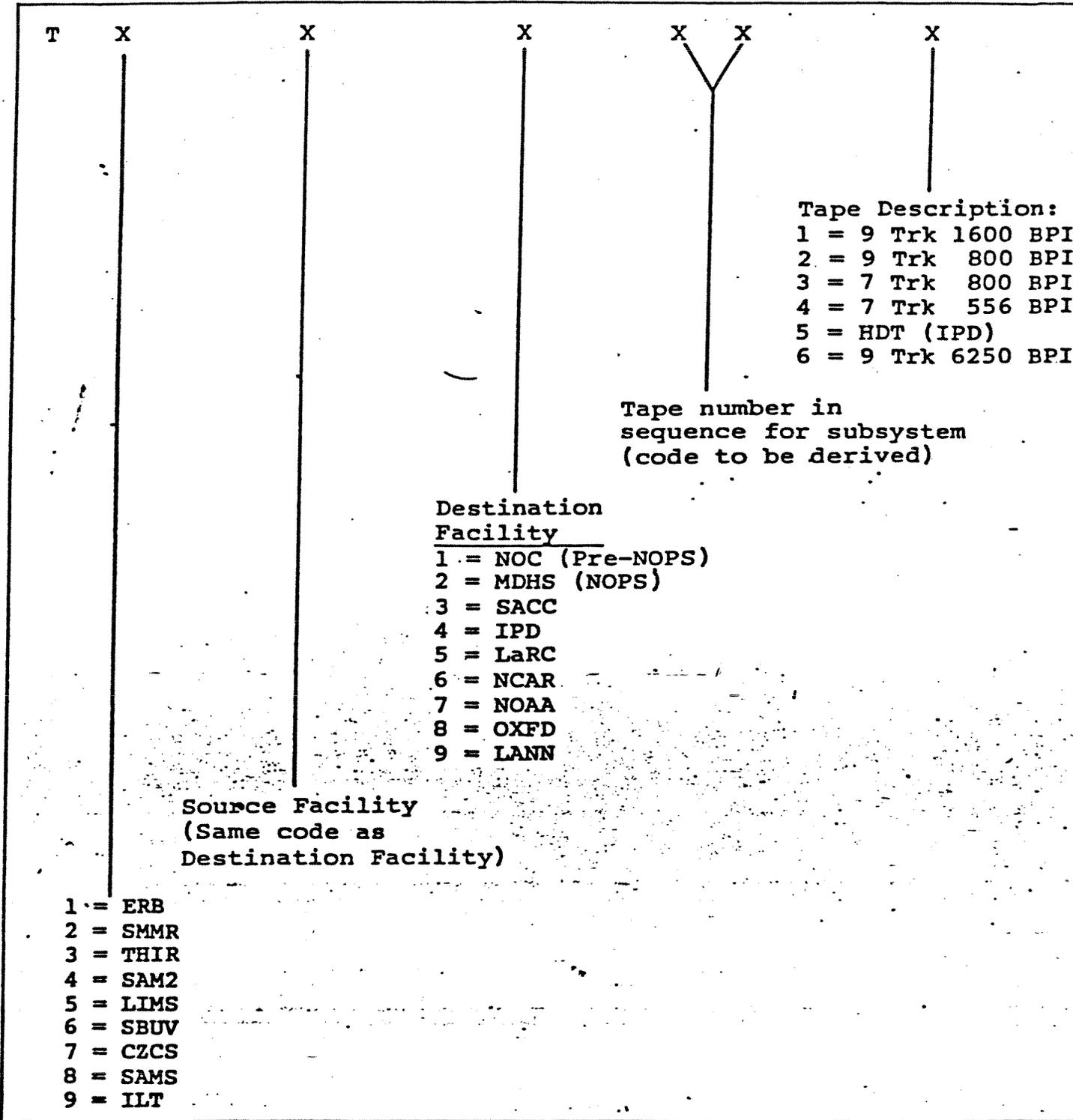
²In the case of CZCS these logical records are used to define the genealogy of the image rather than the method of V.3.

sequenced in accordance with their access; that is, first in is the first recorded. Every TDF is 630 bytes in length.

The first record of this file will serve to identify the file as a TDF. This will be accomplished by placing asterisks in CHARACTERS 1 to 10 followed by NOPS TRAILER DOCUMENTATION FILE FOR TAPE PRODUCT T [SPEC NO (6 digits)] GENERATED ON DDD HH MM. The exact spacing of this comment is noncritical as long as it is less than 116 characters. The second physical record will be a repeat of the header file NOPS standard header record for this type with the proviso that data referring to the end-time are correct for the data set. Following physical records will be an accumulation of TDF's of all input tapes. For those products that require more than one tape, the TDF will appear on the last tape only as well as the warning asterisk.

Table V-1

NOPS Specification Numbering Code



Rev. D adds 6250 bpi tapes as a possible product

Total 24 bit Words	MSB	24	22	20	18	16	14	12	10	8	6	4	2	1	LSB	Total Bits
1	• Nimbus - 7 NOPS _b SPEC _b NO _b T └ If TDF exists (24 Characters)														192	
8	SPEC NO. (6 Digits)															
9																
10	SQ _b NO _b (7 Characters)															
13												PDFC CODE (2 Char.)				
14	5 Digit Sequence No. (5 Characters) YJJJN															
15												REDO CHARACTER			408	
16	*For CZCS these characters (40-45) are a six digit sequence # (includes Redo)															
16	1 Char. Tape Copy No				Blank Character											
17	(4 Characters) SUBSYSTEM I.D.															
18	Blank Character				SOURCE FACILITY											
19	(4 Characters)															
19												Blank Character				
20	(T) Character				(Ø) Character				Blank Character							
21	(4 Characters) DESTINATION FACILITY I.D.															
22	(23 Characters)															
29	START YEAR, DAY, HOURS, MINUTES, SECONDS START _b 19XX _b DDD _b HHMMSS _b														696	
29	END DATE AND TIME OF DATA (19 Characters) TO _b 19XX _b DDD _b HHMMSS _b * Some Facilities may not include end time in header															
36	(20 Characters)															
36	DATE AND TIME TAPE WAS GENERATED															
42	GEN _b 19XX _b DDD _b HHMMSS _b														1008	
84	BLANK (126 Characters)														2016	
84	SW Program Name (1-12) Documentation (13-18) Comments (19-126)															
126	BLANK (126 Characters)														3024	
126	BLANK (126 Characters)														4032	
168	BLANK (126 Characters)														5040	
210	BLANK (126 Characters)															

EBCDIC TAPE FORMAT

Figure V -1. Standard Header (Physical Record Format)
(1 Character = 8 bits)

The STD HDR will contain the following:

Two identical records (physical) of 630 characters (eight bits each) followed by an end-of-file.

The first 126 characters of the first record will consist of:

*NIMBUS-7 _b NOPS _b SPEC _b NO _b T	(1 - 24 Character Count)
└ optional	
XXXXXX (96 digit spec number)	(25 - 30 Character Count)
_b SQ _b NO _b	(31 - 37 Character Count)
AA XXXXX (5 digit sequence No.)	(38 - 44 Character Count)

NOTE: If sequence number is zero, tape is not a finished product (i.e., definitive ephemeris not used, artificial VIP data, etc.) *

└ redo character	
-X (copy number 1 or 2)	(45, 46 Character Count)
_b YYYY _b (4 character subsystem ID)	(47 - 52 Character Count)
YYYY (Generation Facility ID)	(53 - 56 Character Count)
_b TO _b YYYY (4 Char. Des. Fac. ID)	(57 - 64 Character Count)
_b START _b 19XX _b DDD _b HHMMSS _b	(65 - 87 Character Count)
(Start year, day of year, hours, minutes, seconds)	

*For CZCS, characters 40 to 45 are a 6-digit sequence number.

TO_b 19XX_b DDD_b HHMMSS_b (88 - 106 Character Count)
(End data and time of data)

GEN_b 19XX_b DDD_b HHMMSS_b (107 - 126 Character Count)
(Date and time tape was generated)

The second group of 126 characters will contain continuation documentation of the original 126 characters when required.

The third, fourth, and fifth groups of 126 characters each are intended for the use of the subsystem analysts for further identifications of their data. They may contain blanks, EBCDIC, BDC, or binary characters or zeros.

The second record in the file is a duplicate of the first record for redundancy.

The PDFC codes are as defined in Table V-2.

EXAMPLE: An ERB matrix tape covering the month of February 1979 is generated by SACC and sent to IPD for production of contour maps on 16 mm microfilm. The NOPS STD HDR file on the tape that IPD receives would contain two of the following records.

*NIMBUS-7NOPS_b SPEC_b NO_b T134031_b SQ_b NO_b

1st day of time period

AA90321-2_b ERB_{bb} SACC_b TO_b IPD_{bb} START_b 1979_b

032_b 000432_b TO_b 1979_b 059_b 235742_b GEN_b

1979_b 104_b 094500_b followed by 504 blanks

First day of time period may not be first data day in the event of multiday-stacked products that are based in an
ILT week.

V.4 TAPE DUPLICATION

It has been determined that the duplication of master tapes is neither time nor cost effective, thus the requirement of duplication implied in the preceding specification is rescinded. However, some tapes that require a great deal of effort to produce in terms of manpower and computer time should be duplicated.

If a redo is required due to tape errors or algorithm changes, this will be noted both on the CCT (HEADER:C-45) and on the canister.

V.5 SHIPPING LETTERS

IPD will include a shipping letter with every tape distributed. The shipping letter will be printed directly from the first 126 (or 138)

characters of the first physical record of SHF. In the event of copies made from CCT's that are not generated in IPD, a new physical record reflecting IPD as the source and the Nimbus experimenter to whom the tape is being sent as the destination, will be added as the second record of the TDF. All existing records in the TDF will be pushed down, but none will be lost. This record should also replace those in the SHF.

NIMBUS-G PROJECT DATA FORMAT CODES (MAY 5, 1980) REV. FROM MARCH 3, 1980

SENSOR	TAPE ID	ORIG.	COPIES	PDF	DATA TYPE	HORIZ LABEL	VERTIC COLORS	SENSOR	TAPE ID	ORIG.	COPIES	PDF	DATA TYPE	HORIZ LABEL	VERTIC COLORS
ERB	MATRIX	12	72	AA	MAAA	D RED	/ L RED	LIMS	MATRIX-M	14	28	EA	MAEA	YELLOW	/ BLUE
ERB	TABLES	12	-	AB	TAAB	D RED	/ D PINK		MATRIX-C	14	28	EB	MAEB	YELLOW	/ L GREEN
	MAT*	365	2555	AC	MTAC	D RED	/ D RED		PROFILE-R	7	14	EC	PREC	YELLOW	/ L PINK
	SEFOT*	12	84	AD	SEAD	D RED	/ YELLOW		PROFILE-I	21	42	ED	PRED	YELLOW	/ M TAN
	ZMT*	2	14	AE	ZMAE	L RED	/ L PINK		RAT*	210	945	EE	RAEE	YELLOW	/ D PINK
	STAGS	1	-	AG	STAG	D RED	/ D ORANGE		-IPAT*	105	347	EF	IPEF	YELLOW	/ D ORANGE
									MAT*	70	294	EG	MTEG	YELLOW	/ YELLOW
									CAT*	70	210	EH	CTEH	YELLOW	/ GREY
									SMAT*	7	28	EI	SMEI	YELLOW	/ L BROWN
									SCAT*	7	21	EM	SCEM	YELLOW	/ D GREEN
									NMCT@	52	-	EK	NMEK	YELLOW	EXP LABEL
									UFQ@	295	-	UE	UFUE	YELLOW	EXP LABEL
									ILT@	30	-	LE	ILLE	YELLOW	EXP LABEL
TOTALS		*379	2653					TOTALS		*469	1845				
	OTHER	25	72							@377	-				
									OTHER (R)	56	112				
SMMR	MATRIX-30	12	-	BA	MABA	L TAN	/ YELLOW	SBUV/TOMS	MATRIX	24	216	FA	MAFA	D GRN	/ D ORAN
	MATRIX-LO	12	-	BB	LOBB	L BRWN	/ L GRN		TABLES	12	-	FB	TAFB	L GRN	/ L PINK
	MATRIX-SS	12	-	BC	SSBC	L BRWN	/ L ORAN		MONTAGE	52	-	FC	MOFC	D GRN	/ D PINK
	MAP-30*	12	60	BD	MPBD	L BRWN	/ L PINK		RUT-S*	26	26	FD	SRFD	GREY	/ D GRN
	MAP-LO*	12	60	BE	LOBE	L BRWN	/ BLUE	(R)	OZONE-S*	12	100	FE	OSFE	L GRN	/ L BRWN
	MAP-SS*	12	60	BF	SSBF	M TAN	/ M TAN	(R)	OZONE-T*	180	1440	FF	OTFF	D GRN	/ D GRN
	PARM-30*	60	360	BG	PABG	M TAN	/ YELLOW		ZMT*	2	16	FH	ZMFH	L GRN	/ L PINK
	PARM-LO*	30	150	BH	LOBH	M BRWN	/ YELLOW		RUT-T*	120	120	FJ	TRFJ	D GRN	/ YELLOW
	PARM-SS*	30	120	BI	SSBI	M BRWN	/ M BRWN								
	TAT*	183	732	BJ	TABJ	D BRWN	/ YELLOW								
	CELL-ALL*	61	427	BK	DEBK	D BRWN	/ L GRN								
TOTALS		*400	1969					TOTALS (R)		*340	1702				
	OTHER	36	-						OTHER	88	216				
THIR	SOURCE	5110	-	IA	SOIA	D ORAN	/ D ORAN	CZCS (R)	CRT360*	100	400	ZI	CRZI	BLUE	/ BLUE
	STT	1095	-	IB	STIB	D ORAN	/ YELLOW		SOURCE	4500	-	ZA	SOZA	STANDARD	STA LAB
	BSHT	365	-	IC	BSIC	D RED	EXP LABEL	(R)	CRCST*	250	1000	ZB	CRZB	BLUE	/ D GRN
	CLDT	730	1460	ID	CLID	D ORAN	/ D GRN		CAT	12	96	ZC	CAZC	BLUE	/ D ORAN
	CLE	219	1095	IE	CLIE	D ORAN	/ D PINK		CRT-L	900	1800	ZD	CRZD	BLUE	/ YELLOW
	CLT	365	1825	IF	CLIF	M ORAN	/ GREY		ILT	52	-	LZ	ILLZ	BLUE	/ M TAN
	ILT-T	52	-	LI	ILLI	L ORAN	/ L PINK	(R)	CRT	2750	5500	ZE	CRZE	BLUE	/ D GRN
	ILT-C	52	-	LC	ILLC	L ORAN	/ L BRWN		ILT-L@	52	-	LL	ILLL	BLACK	EXP LABEL
								(R)	CCT-F	225	-	ZH	CCZH	BLUE	/ PINK
								(R)	LOIT#	250	-	ZF	LOZF	L GRN	/ GREY
								(R)	DPIT#	250	-	ZG	DPZG	GRN	/ BLUE
TOTALS (R)		7988	4380					TOTALS (R)		*350	1400				
										@ 52	-				
										#500	-				
										8439	7446				
SAM II	MATRIX	4	24	DA	MADA	D PURP	/ D PURP	SAMS	MATRIX	24	24	HA	MAHA	YEL-OR	/ L PINK
	PROFILE	12	72	DB	PRDB	D PURP	/ D ORAN		RAT*	180	198	HC	RAHC	YEL-OR	/ YELLOW
	ROAT*	12	72	DC	RDOC	M PURP	/ D GRN		ILT@	183	-	LH	ILLH	GREY	EXP LABEL
	BANAT*	12	72	DD	BADD	M PURP	/ YELLOW		NMCT@	52	-	HD	NMHD	GREY	EXP LABEL
	NMCT@	52	-	DE	NMDE	D ORAN	EXP LABEL								
	ILT@	52	-	LD	ILLD	D ORAN	EXP LABEL								
TOTALS		* 24	144					TOTALS		@ 235	-				
		@104	-							* 180	198				
	OTHER	16	96						OTHER	24	24				

	ORIGINALS	COPIES	PDF
(R)	* TOTALS	2,142	27
	@ TOTALS	762	3
(R)	# TOTALS	500	2
(R)	OTHER TOTALS	16,672	30
(R)	GRAND TOTALS	20,082	67

* PROCESSED BY METHOD AND DATED BY 1980
 @ PROCESSED BY METHOD AND DATED BY 1980
 # PROCESSED BY METHOD AND DATED BY 1980

(R) - SENSORS WHERE REVISIONS TO THE METHOD
 CHANGED TO LATE, AND THE DATA BEING REPORTED
 ON AVAILABILITY DATE IS NEW

NIMBUS G PROJECT DATA FORMAT CODES (Cont'd.)

SENSOR	TAPE ID	PDFC CODE
LOCATION	ILT/ERB	LA
	ILT/SMMR	LB
	ILT/THIR	LI
	ILT/SAM II	LD
	ILT/LIMS	LE
	ILT/SBUV	LF
	ILT/CZCS	LZ
	ILT/SAMS	LH
USER	UFO/ERB	UA
	UFO/SMMR	UB
	UFO/LIMS	UE
	UFO/SBUV	UF
	UFO/ILT	UL

1st CHARACTER	SOURCE/SENSOR	2nd CHARACTER	USER/SENSOR OR TAPE NUMBER
ERB	A		
SMMR	B		
THIR	I		
SAM II	D		
LIMS	E		
SBUV/TOMS	F		
CZCS	Z		
SAMS	H		
ILT	L		
UFO	U		

VI. LIMS RAT DATA RECORD

Figure VI-1 defines the format of the RAT data record. It is designed to accommodate a LIMS upscan and a LIMS downscan.

A. The following 2 pieces of information are required by IPD for tape copying within their facility. These are contained in the first 24 bit word.

- (1) PHYSICAL RECORD NO. (12 BITS) - This is the number of this record within a file. It will start at 1 and increment by ones in each file.
- (2) RECORD I.D. (8 BITS) - Identifies record type, and the last record written in a file and records in the last file on the tape. The MSB will be set to "1" if the record is the last written in the file. The second most MSB will be set on all records in the last file on the tape. The record type will use the 6 LSB of that byte to identify the type of record being read. The RAT record ID will be set to 1.

B. The following items define each piece of data in the RAT record:

(1) Narrow CO₂ channel (CO₂N) radiance samples. In this block of 1020 12 bit words the first 510 represent the scaled calibrated radiances for the up scan and the second 510 12 bit words, the scaled values of the down scan radiances. If either of the scans or elements within the scans are missing, the corresponding words will be zero filled. The time spacing between radiance samples is 24 msec. To convert these values into real radiances in the units of ($\text{w m}^2 \text{sr}^{-1}$) subtract the 12 bit integer in Item (8), divide the result by the 24 bit integer in Item (7) of the record treating the results as floating point real numbers.

(2) Wide CO₂ channel (CO₂W) radiance samples. This block of 1020 12 bit words is divided between up and down scan in the same way as Item (1). To convert these values to real radiances in units of ($\text{w m}^{-2} \text{sr}^{-1}$) subtract the 12 bit integer in Item (8) from the 12 bit radiance sample and divide the result by the 24 bit integer in Item (7) of the record treating the results as real, floating point numbers.

(3) Ozone channel (O_3) radiance samples. This block of 1020 12 bit words is divided between up and down scan in the same way as Item (1). To convert these values to real radiances in units of $(W m^{-2} sr^{-1})$ subtract the 12 bit integer in Item (8) from 12 bit radiance samples divide the results by the 24 bit integer in Item (7) of the record treating the result as real, floating point numbers.

(4) Nitric Acid (HNO_3) Channel Radiance Samples. This block of 1020 12 bit words is divided between upscan and downscan in the same way as Item (1). To convert these values into real radiances in units of $(W m^{-2} sr^{-1})$ subtract the 12 bit integer in Item (8) from the 12 bit radiance samples and divide the result by the 24 bit integer in Item (7) of the record that the results as real floating point numbers.

(5) Water Vapor (H_2O) Channel Radiance Samples. This block of 510 12 bit words is divided between 255 upscan words and 255 down scan words with the upscan words occurring the first half. The time spacing between each sample is 48 msec. Any missing scan elements will be zero filled. To convert these samples into real radiances in the unit of $(W m^{-2} sr^{-1})$ subtract the 12 bit integer in Item (8) from the 12 bit radiance samples and divide the results by the 24 bit integer in Item (7) of the record treating the results as real floating point numbers.

(6) Nitrogen Oxide (NO_2) Radiance Samples. These 510 12 bit words are divided between 255 upscan words in the first half of the block and 255 downscan words in the last half. Time spacing between samples is 48 msec. Any missing scan elements will be zero filled. To convert these values to real radiances in the units $(W m^{-2} sr^{-1})$ subtract the 12 bit offset in Item (8) from the 12 bit radiance samples and divide the results by the 24 bit integers in Item (7) treating the results as real floating point numbers.

(7) Scale Factor for Unpacking Radiance Samples into Units of $w/(m^2 \text{ sr}^{-1})$. These six 24 bit integers are stored in the order of the channel to which they apply (CO_2N , CO_2W , O_3 , HNO_3 , H_2O , NO_2). The unpacking procedure consists of dividing the 12 bit radiance samples less the appropriate offset by the 24 bit integer appropriate to the channel and treating the result as a real floating point number.

(8) Offset for Unpacking Radiance. The six 12 bit words stored in the order of the radiances to which they apply, are subtracted from the packed 12 bit radiance samples before application of the appropriate scaling factors. This offset permits negative spikes to occur in the radiances for the purpose of allowing unbiased averages to be made.

(9) Relative Incremental Angular Spacing Between Samples. The first 510 12 bit words in this block represent the spacing between adjacent samples in the upscan spaced 24 ms apart. The last 510 12 bit words represent the spacing between adjacent samples in the downscan spaced 24 ms apart. To convert these values to units of milliradians, divide the 12 bit integer by the value 21350 and treat the result as real floating point numbers.

As stored, the value in word 1 is the spacing between word 1 and word 2 of the radiances sampled at 24 msec intervals. The value in word 2 is the spacing between word 2 and word 3 etc. The spacing between samples taken 48 ms apart are obtained by adding two consecutive samples. The spacing between the first NO_2 and H_2O samples and the second NO_2 and H_2O samples are obtained by adding angular spacings between words 1 and 2 and words 3 and 4. The angular offset between radiance samples and encoder pulses due to sampling at different times has been removed.

(10) Scan Direction. Two 12 bit words indicating scan direction for the two scans in the record. The value 1 is for upscan. The value 2 indicates downscan and the value zero indicates that the scan is missing from the record.

(11) RVDT Output Voltage. One hundred and twenty eight 12 bit RVDT output voltages as contained in LIMS minor frames in order of increasing time.

(12) Index of Occurrence of First RVDT Sample. The index number in the relative scan angle block which corresponds to the occurrence of the first RVDT sample.

(13) The Day Number in the Year for the First Scan.

(14) The GMT Hour for the First Scan.

(15) The GMT Minute for the First Scan.

(16) The GMT Seconds for the First Scan.

(17) The Day Number in the Year for the Second Scan.

(18) The GMT Hour for the Second Scan.

(19) The GMT Minute for the Second Scan.

(20) The GMT Seconds for the Second Scan.

(21) Indices in the Relative Scan Angle Block to which the Time Codes for each Scan Apply.

(22) The Minor Frame Identification Number of the First Sample in the First Scan.

(23) The Minor Frame Identification of the First Sample in the Second Scan.

(24) Mode Value for the First Sample in the First Scan.

4 = adaptive scan
6 = space calibrate
7 = source calibrate

(25) Mode Value for the First Sample in the Second Scan.

(26) Calibration Data Indicator Flag for Scan 1. A flag which indicates whether calibration data is present within the first scan. If this word is zero no calibration data is present. If it has a value of 1 space calibration data is present. If it has a value of 2 source calibration data is present.

(27) Calibration Data Indicator flag for Scan 2. See Item (26) for description.

(28) Start Index for Source Calibration Data. If source calibration data is present, this number represents the point in the radiance sample (24 ms samples) block where the source calibrate data begins. To locate the start of calibrate in 48 ms sample channels add 1 to the value and divide by two.

(29) Stop Index for Source Calibration. If source calibration data is present, this number identifies the point in the 24 ms radiance sample blocks where the source calibrate data ends. To locate the corresponding points in the 48 ms sample blocks, divide the number by two.

(30) Start Index of Space Calibrate Data. See Item (28) for interpretation.

(31) Stop Index for Space Calibrate Data. See Item (29) for interpretation.

(32) Index of First Coarse Angle Pulse in Scan 1. The point in the relative angle array which corresponds to the location of the first coarse angle pulse.

(33) Index of the Second Coarse Angle Pulse in Scan 1.

(34) Index of the Third Coarse Angle Pulse in Scan 1. Set to zero if not present.

(35) Index of the First Coarse Angle Pulse in Scan 2. The point in the relative scan angle array which corresponds to the location of the first coarse angle pulse.

(36) Index of the Second Coarse Angle Pulse in Scan 2.

(37) Index of the Third Coarse Angle Pulse in Scan 2. Set to zero if not present.

(38) Elevation Angle Count at the First Coarse Angle Pulse in Scan 1.

(39) Elevation Angle Count at the Second Coarse Angle Pulse in Scan 1.

(40) Elevation Angle Count at the Third Coarse Angle Pulse in Scan 1. Set to zero if CAP is not present.

(41) Elevation Angle Count for the First Coarse Angle Pulse in Scan 2.

(42) Elevation Angle Count for the Second Coarse Angle Pulse in Scan 2.

(43) Elevation Angle Count for the Third Coarse Angle Pulse in Scan 3. Set to zero if third CAP is not present.

(44) Tangent Point Latitude for Scan 1. To unpack this 24 bit word into degrees latitude, (-90 to +90) subtract 900000 and divide by 10000, treating the result as a real floating point number. This is the tangent point location at the time given in Items 13-16.

(45) Tangent Point Longitude for Scan 1. To unpack this 24 bit word into degrees east longitude (0-360), divide by 10000 and treat the result as a real floating point number.

(46) Tangent Point Latitude for Scan 2. See Item (44) for interpretation. This is the tangent point location at the time given in Items (17-20).

(47) Tangent Point Longitude for Scan 2. See Item (45) for interpretation.

(48) Tangent Point Local Time Days for Scan 1.

(49) Tangent Point Local Time Hours for Scan 1.

(50) Tangent Point Local Time Minutes for Scan 1.

(51) Tangent Point Local Time Seconds for Scan 1.

(52) Tangent Point Local Time Days for Scan 2.

(53) Tangent Point Local Time Hours for Scan 2.

(54) Tangent Point Local Time Minutes for Scan 2.

(55) Tangent Point Local Time Seconds for Scan 2.

(56) Tangent Point Day/Night Flag for Scan 1. This element has the value 1 if the tangent point lies in daylight and the value 2 if it lies in darkness or on the terminator.

(57) Tangent Point Day/Night Flag for Scan 2. See Item (56) for interpretation.

(58) Spacecraft Day/Night Flag for Scan 1. This element has the value 1 if the spacecraft is in daylight and the value 2 if it is in darkness.

(59) Spacecraft Day/Night Flag for Scan 2. See Item (58) for interpretation.

(60) Sun Ascension (Azimuth) as Obtained from ILT. This 48 bit word expresses in units of 10^{-9} radians, azimuth of the sun from the earth centered inertial coordinate system. Negative values are stored in 2's complement form. Time corresponds to the time for Scan 1.

(61) Sun Declination (Elevation) as obtained from the ILT. This 48 bit word expresses in units of 10^{-9} radians, the sun's elevation measured from the earth centered inertial coordinate system. Negative values are stored in 2's complement form.

(62) Greenwich Hour Angle as Obtained from the ILT. This 24 bit word expresses the angle between the inertial X axis and the earth fixed X axis and is in units of 10^{-6} radians.

(63) DSAS Right Ascension to Sun as Obtained from ILT. See ILT specification for interpretation.

(64) DSAS Declination to Sun as Obtained from ILT. See ILT specification for interpretation.

(65) Spacecraft Pitch. This block of 25 24 bit words describes the spacecraft pitch error in units of 10^{-3} degrees. Samples are taken every 1 second. Negative values are stored in 2's complement form. The time at which the first sample was taken is the time corresponding to the relative angle at the position given by the index in Item (76).

(66) Spacecraft Roll. This block of 25 24 bit words describes the spacecraft roll error in units of 10^{-3} degrees. See Item (65) for interpretation.

(67) Spacecraft Yaw. Interpretation is the same as item (65).

(68) Spacecraft Pitch Rate. This block of twenty-five 24 bit words describes the rate of change of spacecraft pitch error in units of 10^{-3} degrees per second. Samples are taken every one second. Negative values are stored in 2's complement form. The time at which the first sample was taken is the time corresponding to the relative angle at the position given by the index described in Item (76).

(69) Spacecraft Roll Rate. See Item (68) for interpretation.

(70) Spacecraft Subsatellite Latitude for Scan 1. See Item (44) for interpretation.

(71) Spacecraft Subsatellite Longitude for Scan 1. See Item (45) for interpretation.

(72) Spacecraft Altitude for Scan 1. To convert to kilometers divide the 24 bit integer by 10^4 and treat the result as a floating point number.

(73) Spacecraft Subsatellite Latitude for Scan 2. See item (70).

(74) Spacecraft Subsatellite Longitude for Scan 2. See Item (71).

(75) Spacecraft Altitude for Scan 2. See Item (72).

(76) Tie on index for ACS samples. This is the index in the relative scan angle block which corresponds to the point where the first sample of roll, pitch, yaw, roll rate and pitch rate applies. Subsequent samples of ACS are one second apart. The indices in the scan angle arrays corresponding to these values may be calculated using the 24 msec sample rate for the radiance channels.

(77) Number of Errors Detected in the Two Scans During the Edit Process.

(78) Error Type and Error Location Block. These 50 12 bit words define the type of error (see table VI-1) and location of these errors by index within the radiance blocks. The error identifiers and indices are stored as pairs. If more than 25 errors occur within a record, the total will be given in Item (77) and the first twenty-five will be contained in the block.

(79) Focal Plane Temperature. This 12 bit word contains the temperature of the focal plane in units of $^{\circ}\text{K} \times 10$ averaged over the time period of the record.

(80) Optical-Mechanical Package Temperature. Temperature of the OMP in units of $^{\circ}\text{K} \times 10$ averaged over the period of the record.

(81) Detector Temperature Averaged over the Period of the Record. To convert to units of $^{\circ}\text{K}$, divide this 12 bit integer by 40 and treat the result as a floating point number.

(82) Primary Optics Temperature. Temperature of the primary optics in units of $^{\circ}\text{K} \times 10$ averaged over the time period covered by the record.

(83) In-Flight Calibrator Platinum Resistance Thermometer Temperature. The temperature of the IFC as read by the PRT averaged over the period of the last source calibrate. To convert to $^{\circ}\text{K}$ divide by 100 and add 280.

(84) In-Flight Calibrator Thermistor Temperature. The temperature of the IFC as read by the thermistor. See Item (83) for interpretation.

(85) -15 Volt Monitor. To convert to volts divide by -100. This is the output averaged over the period of the record.

(86) Interface Electronics Temperature in $^{\circ}\text{K} \times 10$.

(87) FEU Temperature in $^{\circ}\text{K} \times 10$.

(88) Scan Motor Current. Average scan motor current for the period of the scan, in milliamperes.

(89) Cryogen Shield Temperature. The NH_3 temperature averaged over the period of the record in $^{\circ}\text{K} \times 10$.

(90) Scan Motor Temperature Averaged over the Period of the Record in $^{\circ}\text{K} \times 10$.

(91) **Spacecraft Status Bits.** The 192 bit block indicating spacecraft status as contained on the IIT. See table VI-2 for interpretation.

(92) **Decalibration Coefficients Used to Convert Raw Voltages to Radiances for this Record.** Unpacking equations will be supplied at a later date. This block will consist of 12 12 bit words stored as offset and scale for radiances in the order shown in Items 1-6.

(93) **Orbit number.**

(94) **Checksum.** A 24 bit 1's complement checksum for the record.

Table VI-1

Error Type Identifiers for RAT Scan Records

Identifier Value		
1	Radiance sample spike	narrow CO ₂ channel
2	Radiance sample spike	wide CO ₂ channel
3	Radiance sample spike	ozone channel
4	Radiance sample spike	HNO ₃ channel
5	Radiance sample spike	H ₂ O channel
6	Radiance sample spike	NO ₂ channel
100	Encoder error	
200	Data dropout or missing minor frame	
300	Time code error	
401	Calibration uncertainty first channel	
.		
.		
.		
.		
406	Calibration uncertainty last channel	
500	Missing major frame	
600	EAC reversal	
610	EAC skip	
620	ECC overflow	
630	ECC reset	
640	EAC dwell	

Figure VI-2

WORDS	LIMS RAT Record Format				BITS	
	MSB 24	13	12	8 6 1		LSB
1	PHYSICAL RECORD NO.		4 SPARES	FILE CCNT	RECORD I.D.	24 ←
3	CO ₂ N Sample #1 (12 bits)		CO ₂ N sample #2 (12 bits)			48 ←
511	Repeat above word 509 times for a total of 1020 CO ₂ N samples each 24 ms apart				(12216 bits)	12,264
512	CO ₂ W sample #1 (12 bits)		CO ₂ W sample #2 (12 bits)			12,288
1021	Repeat above word 509 times for a total of 1020 CO ₂ W samples each 24 ms apart				(12216 bits)	24,504
1022	O ₃ Sample #1 (12 bits)		O ₃ Sample #2 (12 bits)			24,528
1531	Repeat above word 509 times for a total of 1020 O ₃ Samples each 24 ms apart				(12216 bits)	36,744
1532	HNO ₃ Sample #1 (12 bits)		HNO ₃ Sample #2 (12 bits)			36,768
2041	Repeat above word 509 times for a total of 1020 HNO ₃ Samples each 24 ms apart				(12216 bits)	48,984
2042	H ₂ O Sample #1 (12 bits)		H ₂ O Sample #2 (12 bits)			49,008
2296	Repeat above word 254 times for a total of 510 H ₂ O Samples each 48 ms apart.				(6096 bits)	55,104
2297	NO ₂ Sample #1 (12 bits)		NO ₂ Sample #2 (12 bits)			55,128
2551	Repeat above word 254 times for a total of 510 NO ₂ Samples each 48 ms apart				(6096 bits)	61,224
2552	Scale factor for unpacking channel #1			(24 bits)		61,248
2557	Repeat above word for Channels 2-6				(120 bits)	61,368
2558	Offset for unpacking (12 bits) Channel #1		Offset for unpacking (12 bits) Channel #2			61,392
2560	Repeat above words for Channels 3-6			48 BITS		61,440
2563	ZEROED SPARES			72 BITS		61,512 ←
2564	Scan angle for sample #1 (12 bits)		Scan angle for sample #2 (12 bits)			61,536 ←
3073	Repeat above word 509 times for a total of 1020 Scan angles each 24 ms apart				(12216 bits)	73,752
3074	Scan direction for scan #1 (12 bits)		Scan direction for scan #2 (12 bits)			73776

FIGURE VI-2 (Cont'd.)

	MSB 24	LSB 1
3075	First RVDT readout (12 bits)	Second RVDT readout (12 bits) 73,800
3138	Repeat above word 63 times for a total of 128 RVDT readouts (1512 bits) 75,312	
3139	Index of first RVDT readout (24 bits) 75,336	
3140	GMT day for scan #1 (12 bits)	GMT hr. for scan #1 (12 bits) 75,360
3141	GMT min for Scan # 1 (12 bits)	GMT sec. for scan #1 (12 bits) 75,384
3142	GMT day for Scan #2 (12 bits)	GMT hr. for Scan #2 (12 bits) 75,408
3143	GMT min. for Scan #2 (12 bits)	GMT sec. for Scan #2 (12 bits) 75,432
3144	Index of sample to which scan #1 time code applies (12 bits)	Index of sample to which scan #2 time code applies (12 bits) 75,456
3145	First minor frame number of sample in Scan #1 (12 bits)	Minor frame No. of first sample in Scan #2 (12 bits) 75,480
3146	UFOT mode flags, scan #1 (12 bits)	UFOT mode flags, scan #2 (12 bits) 75,504
3147	Cal. data indicator, Scan #1 (12 bits)	Cal. data indicator, Scan #2 (12 bits) 75,528
3148	Start index of source cal. (12 bits)	Stop index of source cal. (12 bits) 75,552
3149	Start index of space cal. (12 bits)	Stop index of space cal. (12 bits) 75,576
3150	Index of first CAP (12 bits)	Index of second CAP (12 bits) 75,600
3152	Repeat above word for CAP's 3-6. (48 bits) 75,648	
3153	Elev. ang. cnts at 1st CAP (12 bits)	Elev. ang. cnts, at 2nd CAP (12 bits) 75,672
3155	Repeat above word for elev. ang. cnts. to correspond to CAP's 3-6 (48 bits) 75,720	

FIGURE VI-2 (Cont'd.)

	MSB 24	LSB 1	
3156	Tan. Pt. Latitude for scan #1 (24 bits)		75,744 ←
3157	Tan. Pt. Longitude for scan #1 (24 bits)		75,768
3158	Tan. Pt. Latitude for scan #2 (24 bits)		75,792
3159	Tan. Pt. Longitude for scan #2 (24 bits)		75,816
3160	T. P. local day, scan #1 (12 bits)	T.P. local hr, scan #1 (12 bits)	75,840 ←
3161	T.P. local min, scan #1 (12 bits)	T.P. local sec, scan #1 (12 bits)	75,864
3162	T.P. local day, scan #2 (12 bits)	T.P. local hr., scan #2 (12 bits)	75,888
3163	T.P. local min, scan #2 (12 bits)	T.P. local sec, scan #2 (12 bits)	75,912
3164	T.P. dy/Nt flag, scan #1 (12 bits)	T.P. dy/Nt flag, scan #2 (12 bits)	75,936
3165	S/c dy/Nt flag, scan #1 (12 bits)	S/c dy/Nt flag, scan #2 (12 bits)	75,960
3167	Sun ascension (azimuth) (48 bits)		76,008 ←
3169	Sun declination (elevation) (48 bits)		76,056
3170	Greenwich hour angle (24 bits)		76,080 ←
3171	DSAS right ascension to sun (azimuth) (24 bits)		76,104
3172	DSAS declination to sun (elevation) (24 bits)		76,128
3173	S/C Pitch (24 bits)		76,152
3197	Repeat above word 24 times for a total of 25 pitch values each 1 sec. apart (576 bits)		76,728
3198	S/C ROLL (24 bits)		76,752
3222	Repeat above word 24 times for a total of 25 roll values each 1 sec. apart. (576 bits)		77,328
3223	S/C YAW (24 bits)		77,352
3247	Repeat above word 24 times for a total of 25 yaw values each 1 sec apart (576 bits)		77,928

FIGURE VI-2 (Cont'd.)

MSB 24		LSB 1
3248	S/C Pitch Rate (24 bits)	77,952
3272	Repeat above word 24 times for a total of 25 pitch rate values each 1 sec. apart. (576 bits)	78,528
3273	S/C Roll Rate (24 bits)	78,552
3277	25 roll Rate values each 1 sec apart (576 bits)	79,128
3278	S/C Latitude, scan #1 (24 bits)	79,152
3279	S/C Longitude, scan #1. (24 bits)	79,176
3300	S/C Altitude, scan #1. (24 bits)	79,200
3301	S/C Latitude, scan #2. (24 bits)	79,224
3302	S/C Longitude, scan #2. (24 bits)	79,248
3303	S/C Altitude, scan #2. (24 bits)	79,272
3304	Index at which ACS values apply (12 bits) Number of errors (12 bits)	79,296
3305	Error Type indicator (12 bits) Index of error #1 (12 bits)	79,320
3329	Repeat above word 24 times for a total of 25 error type-index pairs (576 bits)	79,896
3330	Foc. Pla. temp. (12 bits) OMP temp. (12 bits)	79,920
3331	Detector temp. (12 bits) Pri. Opt. temp. (12 bits)	79,944
3332	IFC (PRT) temp. (12 bits) IFC (THR) temp. (12 bits)	79,968
3333	-15 VDC monitor (12 bits) IEU temp. (12 bits)	79,992
3334	FEU temp. (12 bits) Scan motor current (12 bits)	80,016
3335	Cryo. Shield temp. (12 bits) Scan Motor temp. (12 bits)	80,040
3343	Status bits as contained on the ILT. (192 bits)	80,232
3349	Decalib coefficients scale and offset (144 bits)	80,376
3359	216 SPARE BITS ZERO FILLED	80,400
3360	ORBIT NO. (24 bits)	
	24 bit 1's complement checksum	80,640

3360, 24 BIT WORDS
2520, 32 BIT WORDS

2240, 36 BIT WORDS
10,080 8 BIT BYTES

1344, 60 bit words

SPACECRAFT STATUS AND EVENTS

TABLE VI-2

(1 of 2)

No.	Description	(1)/(0) BIT/STATE	FUNC/EVENT Nos.
1	SATELLITE DAY/NIGHT	DAY=/NIGHT=0	EV-17
2	TLM PWR ON/OFF	ON/OFF	FN-6601
3	DSAS PWR ON/OFF	ON/OFF	FN-16001
4	IR ZIP/DIP TO TR1	ZIP/DIP	FN-22008
5	IR ZIP/DIP TO TR2	ZIP/DIP	FN-22009
6	IR ZIP/DIP TO TR3	ZIP/DIP	FN-22010
7	TR1 POWER ON/OFF	ON/OFF	FN-18006
8	TR2 POWER ON/OFF	ON/OFF	FN-18036
9	TR3 POWER ON/OFF	ON/OFF	FN-18056
10	XPONDER A/B POWER	0=Both OFF/1=A ON 2=B ON/3=Both ON	(SPECIAL EVENT)
11	XPONDER RANGING A	ON/OFF	FN-19002
12	" " B	ON/OFF	FN-19006
13	W B XMTR A PWR	ON/OFF	FN-7160
14	W B XMTR B PWR	ON/OFF	FN-7260
15	W B XMTR A/B SELECTED	A/B	FN-7165
16	CZCS CHANNEL 1 PWR	ON/OFF	FN-8001
17	CZCS " 2 "	ON/OFF	FN-8002
18	" " 3 "	ON/OFF	FN-8003
19	" " 4 "	ON/OFF	FN-8004
20	" " 5 "	ON/OFF	FN-8005
21	" " 6 "	ON/OFF	FN-8006
22	CZCS ELECT. PWR	ON/OFF	FN-8007
23	CZCS SCAN DRIVE	ON/OFF	FN-8008
24	CZCS CAL LAMP STATUS	0=Both OFF/1=1 ON 2=2. ON/3=UNK	(SPECIAL EVENT)
25	CZCS RECORDING CZCS DATA	1=YES/0=NO	SPECIAL EVENT
26	REAL TIME DATA COLLECTION	1=YES/0=NO	SPECIAL EVENT
27	THIR STATUS	0=OFF/1=RAD.ON 2=ALL ON/≥ 3=FAIL	EV-88
28	LIMS ELECT	ON/OFF	FN-11001
29	LIMS ADAPT SCAN	ON/OFF	FN-11004
30	LIMS ACQ SCAN	ON/OFF	FN-11005

No.	Description	BIT/STATE	FUNC/EVENT Nos.
31	LIMS CALIB SPACE	YES/NO	FN-11006
32	LIMS SOURCE CALIBRATE	YES/NO	FN-11007
33	SAMS POWER	ON/OFF	FN-12001
34	SAMS LIMB SCAN DRIVE	ON/OFF	FN-12002
35	SAMS AZIMUTH SCAN DRIVE	ON/OFF	FN-12003
36	SBUV/TOMS MASTER POWER	ON/OFF	FN-13001
37	SBUV PWR ENABLE	ENA/DIS	FN-13002
38	SBUV STEP SCAN	SET/RESET	FN-13005
39	SBUV CONTINUOUS SCAN	SET/RESET	FN-13006
40	SBUV CAGE CAM	SET/RESET	FN-13007
41	SBUV/TOMS WAVSLENGTH CAL	SET/RESET	FN-13008
42	TOMS PWR ENABLE	ENA/DIS	FN-13009
43	SBUV/TOMS ELECT CAL	ON/OFF	FN-13020
* 44	SBUV/TOMS FRAME COUNTER (First in Time)	the 4th LSB } the 3rd LSB } Of the 2nd LSB } Col.12 Row 0	SPECIAL EVENT
45.	(Second in Time)	the 4th LSB } the 3rd LSB } Of the 2nd LSB } Col.12 Row 40	SPECIAL EVENT
46.	ERB ELECT	ON/OFF	FN-14001
47.	ERB SCAN	ON/OFF	FN-14002
48.	ERB STEPPER DRIVER	OFF/NO	FN-14011
49.	ERB CHOPPER OPERATING	YES/NO	FN-14016
50.	SMMR DATA SYSTEM	ON/OFF	FN-15001
51	SMMR CHANNEL 1 PWR	ON/OFF	FN-15002
52	" " 2 "	ON/OFF	FN-15003
53	" " 3 "	ON/OFF	FN-15004
54	" " 4 "	ON/OFF	FN-15005
55	" " 5 "	ON/OFF	FN-15006
56	SMMR SCAN POWER ON/OFF	ON/OFF	FN-15007
57	ENCODER OUTPUT A/B	A/B	FN-15009
58	SAM II POWER	ON/OFF	FN-17001
59	SAM II STANDBY	ON/OFF	FN-17015
60	SAM II SCAN MODE	ON/OFF	FN-17014
61	SAM II SLEW MODE	ON/OFF	FN-17013
62	SAM II GIMBAL MODE	ON/OFF	FN-17012
63	SPARE	---	---
64	"	---	---

* Indicates frame status for the previous VIP major frame.

SNOP
\$NOP ***** BOUT47 *****
\$EXEC TPLIST BS

INPUT PARAMETERS ARE: ED AL 1

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 630
NIMBUS-7 NOPS SPEC NO T564011 SQ NO EE 17-2 LIMS NCAR TO IPD START 1978 326 11219 TO 1978 327
129 7 GEN 1980 014 213943

11/22/78-11/23/78

78-098A-01B

TAPE NO. 1 FILE NO. 1
RECORD 2 LENGTH 630
NIMBUS-7 NOPS SPEC NO T564011 SQ NO EE 17-2 LIMS NCAR TO IPD START 1978 326 11219 TO 1978 327
129 7 GEN 1980 014 213943

***** JOB DONE.
\$EXEC TPDUMP BS


```

( 8120) 4E94394E 97C99E9F F8938C68 C68AF9E2 99E99E92 19329279 3297C97C 9DD8B58A 98AF85A9 EE99E97C
( 8160) 93892C94 994E9279 5A9938F9 8988B587 C9939879 879388EE 9048E894 E95F9829 3D8718A4 87692C99
( 8200) 89769658 B58F38E8 92195A96 B98D8658 9E88D88B 9B596B97 C8CC9049 048FF932 92C9768B 58AF8B58
( 8240) 82982949 9548FF8D 78F38E29 1B927954 90487C89 38609109 7C954949 8AF8E88C C8F99499 5F9B582C
( 8280) 88787686 59989439 498DD8F3 8E88D794 394E98D8 E2838860 82C90A97 092C9108 E28F98FF 00000000
( 8320) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 8360) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 8400) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 8440) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 8480) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 8520) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 8560) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 8600) 00000000 00000000 0C7BD04A A999E9FF 9BA95F9B 5A3D8B58 A49439C0 92C970A0 A89E8548 87871954
( 8640) 95493891 68C08D78 C0916938 94994E86 B8988938 CC949921 9388CC8D 18C68AF9 7695A97C 8B588289
( 8680) 383D9939 7094391B 8EE8F38D 19439549 6593D898 8A989E91 B96893D9 38904904 8F391099 39989D18
( 8720) 608A989E 8C09A495 F93D9329 2C9218EE 9BA9BA9E F88D8A98 BB8939CB 97696B93 291B9279 10976970
( 8760) 9939168D 18EE8C69 7C965954 93D91091 B8F39709 7C9A994E 89E8C68A 49499879 5F95491B 92791094
( 8800) E9879989 988828AF 89890A9C B97096B9 38943932 94E98D9C 69C086B8 B58BB90A 99896B96 590A9279
( 8840) 16927993 9AF9F983 88938988 CC998949 94392792 C92190A9 879829D7 8938AF8C 08C09939 3D932938
( 8880) 94992791 A98799E9 DD8B58AF 8C68A49A F95F96B9 2790A910 8D199E98 299E8F98 C68E28BB 97695A95
( 8920) A9278F99 048E895F 9879B591 B8658878 76932976 94993290 491B8F99 27982993 9AF84988 D8878C69
( 8960) A495494E 90A90A91 08F39879 989E2871 8938AF88 D9829329 1691B92C 9218F395 F97097C9 2C8A98D1
( 9000) 8C092793 89279279 10916904 92797098 D9AF8548 9889E8C6 98293D93 891091B8 FF8F3976 97C9B58A
( 9040) F8938A98 71993954 94392791 B97A8F39 5A9769A9 9218768A 488D9389 6B949938 8F38F98D 792C9829
( 9080) 8D998871 89E8A98E 29689389 21921938 92791695 A9709D18 6088D89E 8719B596 595A9108 FF9048D1
( 9120) 98297C9C 08BB8768 A4860987 95F95F92 78DD8EE8 CC94995A 97693887 C8AF8989 1095A91B 9328E88F
( 9160) F8F39049 4995F9B5 83D89389 38989709 2C9218F9 8F98F38B B96895F9 A48E286B 88D88292 792C9168
( 9200) F990490A 00000000 00000000 00000000 00000000 1002C18C 14C12C0E C08C06C0 2BFEBFAB F6BF2BEE
( 9240) BEABE6BE 2BDEBDAB D6BD2BCE BCABC6BC 2BBEBB9B 086BB2BAE BAABA6BA 2B9EB9AB 96B92B8E B8AB86B8
( 9280) 2B7EB7AB 76B72B6E B6AB66B6 2B5EB5AB 56B52B4E 0A0C35129 72542572 59257257 25725725 79FFAEB8
( 9320) 77A6BA6A A6AA69A6 AA6AA6AB 1FB53B5C B61B64B6 8B6CB70B 74B78B7C B80B83B8 8B8B88FB 93B98B9B
( 9360) BA0BA3BA 8BABB8FB B3BB88BB BBFB03BC 8BCB8CB8 D3BD8BDA BE0BE2BE 6BEABEEB F2BF6BFA BFEC02C0
( 9400) 6C0AC0EC 12C16C1A C1D00000 00000000 03147001 01C03714 70010120 071012FF 00500700 40060020
( 9440) 011A31F4 1FF25206 E14E1A82 0C254294 00000000 00000000 00123AEE 31395912 20BE3136 4A147016
( 9480) 03B01214 03B01214 0B002002 00200200 00000000 00FFFFEA F37D1216 59820000 00000000 FFFF8DFF
( 9520) FFF8DFFF 8CFFF8D8 FFFF8DFF FFF8EFFF 8EFFF8F8 FFFF8FFF FF90FFF8 FFFF8FFF FFFF8FFF FFF8EFFF
( 9560) 8DFFF8D8 FFFF8CFF FFF8DFFF 8CFFF8F8 FFFF8CFF FFFBFFFF 8CFFF8D8 FFFF8D00 00640000 64000064
( 9600) 00006400 00640000 64000064 00006400 00640000 64000064 00006400 00640000 64000064 00006400
( 9640) 00640000 64000064 00006400 00640000 64000064 00006400 00640000 64000064 00006400 00640000
( 9680) 5CFFF8F8 FFFF5CFF FFF5CFFF 64FFFF64 FFFF64FF FF64FFFF 64FFFF64 FFFF64FF FFF5CFFF 5CFFF8F8
( 9720) FFFF6CFF FF6CFFFF 74FFFF74 FFFF74FF FF74FFFF 74000000 00000000 00000000 00000000 00000000
( 9760) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 9800) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 9840) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 9880) 00000000 00000000 0000000E 3E50333D 669058C2 0E237133 370F905B 0C024002 0031B400 41B40000
( 9920) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 9960) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
( 10000) 00000000 711F81D8 27003FFF FE31017E 00FFF007 0004001F FFFF0000 003BC1CA 0A017F0E 81FA2162
( 10040) 7224C20A C0F21800 00000000 00000000 00000000 00000000 00000000 00000000 00000001 9B005E4D

```

Stop time

*Find Ending
date in last
file, last record
(9400), 5th group
over - chars. 345*

*03147001
(char 345)*

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO	B	SHORT	UNDEF.	#RECS. TOTAL#
15	241	242	10080	0	1	0	0	0	1 1
READ ERROR #	FILE #	RECORD #							
1	8	202							

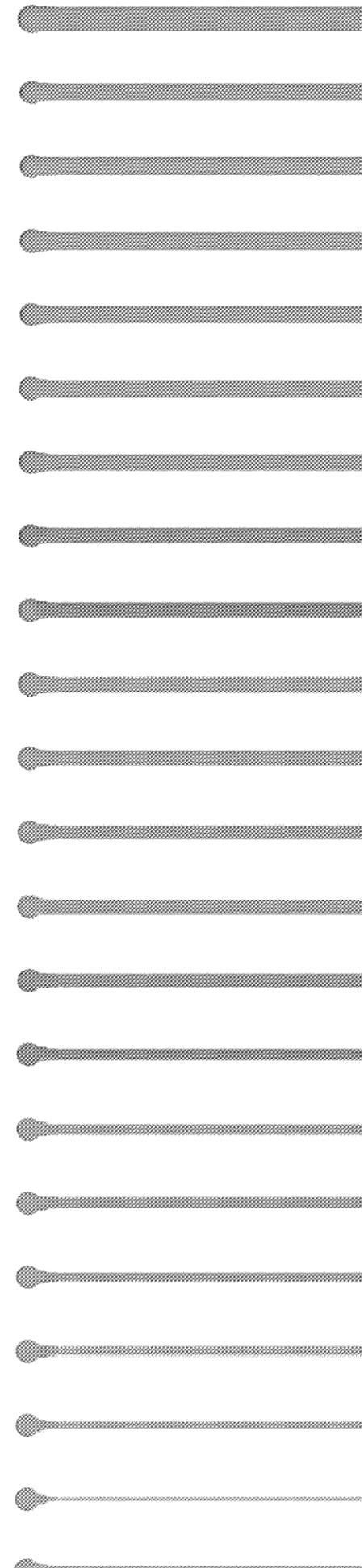
EOJ DUMP STOPPED AFTER FILE 15 # OF PERMANENT READ ERRORS 1

START TIME 12/22/82 08:46:16 STOP TIME 12/22/82 08:50:42

(2231) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(2240) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(2230) 00000000 00000000 00000000 00000000 00000000 0000ECBE CBECBEB3 E45D66BE 095255A0 0BA35524 2331EA3B
(2320) C67587C8 C07424C1 231040F3 9F0AF61F EA0610A6 0B409F07 90580450 4004504F 05805F05 F05F05D0
(2360) 5A058058 05805805 805A05A0 5A05A05A 05805805 80580580 58058058 05805805 80580580 58058056 05605605
(2400) 05805805 80580580 58058058 05805805 80580580 58058058 05805805 80580580 58058056 05605605
(2440) 60560560 56056056 05605605 60560560 56056056 05605605 60560560 56058058 05805805 80560560
(2480) 56056058 05605605 60560560 56056056 05805805 80580580 58058058 05805805 80580580 58058058
(2520) 05805805 80580580 5805805A 05A05A05 A05A05A0 5D05D05D 05D05D05 D05D05F0 5D05D05F 05F05F05
(2560) F05F05F0 5F061061 06106106 10640640 64064066 06606806 806806B0 6B06D06D 06D07007 00720720
(2600) 72074074 07707707 907907B0 7E080085 08708C08 E0930970 9C0A10A8 0AD0B40B B0C20CB0 D50DE0E7
(2640) 0F30FF10 B1161251 3013E14D 15B16B17 C18C19D1 AF1C21D5 1E81FB21 02272412 5B277294 2B02CC2E
(2680) B3073253 4436037D 3993B53C F3E94054 1F439453 4714904B 34D44F55 14535553 5725915A F5CE5EF6
(2720) 0E62F650 6716946B 78D86F97 1D740761 78079A7B 17C970C7 F1804819 82E84385 B8738888 9F8B78CF
(2760) 8E68FB91 392893B9 4C957961 96896D97 497897D9 8298998B 99099299 29929929 95997999 99E9A59A
(2800) F9B89C29 CB9D79E0 9EA9F39F DA04A08A 0FA12A17 A19A1BA1 EA20A25A 29A2CA2E A30A33A3 3A33A35A
(2840) 38A3AA3F A43A48A4 DA52A54A 56A59A5B A5BA5DA5 DA60A62A 62A64A64 A64A62A6 2A60A60A 60A60A62
(2880) A67A69A6 EA6EA70A 6EA6CA69 A64A62A6 0A62A64A 69A6EA73 A75A77A7 AA7CA7CA 7CA7CA7C A7CA7AA7
(2920) AA7AA77A 77A75A75 A75A75A7 7A7AA7AA 7CA7CA7E A7EA7EA7 EA7EA7EA 7CA77A75 A70A6CA6 7A62A5DA
(2960) 5BA59A56 A54A54A5 4A54A56A 56A56A56 A56A54A5 2A4DA48A 43A3FA3C A3CA41A4 6A4AA4FA 52A54A56
(3000) A59A5BA5 DA60A60A 62A62A62 A62A62A6 2A60A60A 60A60A5D A5DA5BA5 6A54A4DA 48A46A43 A41A43A4
(3040) 8A4AA4FA 54A59A5B 00000000 00000000 00000000 0000001F B20A25C3 3C4D670B 974B85CD 2D41D02C
(3080) 6CBD6B91 BC5C5ED2 6DDFE60E 9DEA3E87 E62E45E3 7E36E3EE 49E51E56 E56E54E5 1E4FE4DE 4DE4EE4F
(3120) E4FE50E5 0E50E4FE 4FE4FE4F E4FE4FE4 FE4FE4FE 4FE4FE4F E4FE4FE4 FE4FE4FE 4FE4FE4F E4FE4FE4
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(4320) 25826126 826F2782 7F28528C 29129729 A2A02A32 A72AC2B2 2B72B02C 42C92D02 D62DD2E2 2EA2ED2F
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(4480) 99528D78 4B7CF782 77D7C184 38E7988A 0AA5FA88 A0DA80A6 CA57A47A 41A41A49 A4EA4EA4 5A38A2DA
(4520) 2BA36A47 A57A64A6 CA70A70A 66A4AA15 9C395C8E 58667E47 636F569D 66163B62 561460B6 04604608
(4560) 60D61261 661260B5 FD5EA5D4 5BF5AB5A 05A10000 00000000 00000000 00000000 0027227D 2C639651
(4600) 5725965B 53C8ECFC CC9C43BB BB78BA0C 22CCED6E DDEE13E1 5DFBDD9D BDDDB0B0 DB7DC1DC 9DCDDCDD
(4640) CBDC9DC6 DC5DC5DC 5DC6DC7D C7DC7DC7 DC7DC7DC 7DC7DC7D C7DC7DC7 DC7DC7DC 7DC70000 00000000 00000000
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(5400) 06E05803 C0240180 1601C025 02C02E03 002E02C0 2A029029 02902902 A02A02A0 2A02A02A 02A02A02
(5440) A02A02A0 2A02A02A 02A02A02 A02A02A0 2A02A02A 02A02A02 A02902A0 2A02A02A 02A02A02 A02A02A0
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(5720) 2D02D02D 02D02D02 D02D02D0 2D02D02D 02D02D02 D02D02D0 2D02D02D 02C02C02 C02C02C0 2C02C02C
(5760) 02C02C02 C02C02C0 2C02C02C 02C02C02 C02C02C0 2C02C02C 02D02D02 D02D02D0 2D02D02D 02D02D02
(5800) D02D02D0 2C02C02C 02C02C02 A02A02A0 29029029 02902902 80280280 28028028 02802602 60260260
(5840) 26025025 02502502 50250250 25025026 02802802 902C02D0 2E031034 03503903 C0400440 48040051
(5880) 05605A06 006506A0 7007507A 08008508 A0900950 9A0A00A5 0A90AD0B 10B50B90 B0B0E0BE 0B00BA0B
(5920) 80B40B10 AE0AC0AA 0A90A90A 90AA0AE0 B40BD0CD 0E911815 01B721F2 8E2F4350 39A3CE3E A3F13E63
(5960) 043C63C5 3D940544 C4B05365 DF6A276E 8278B290 09138F98 C588B85B 84384A86 E8A78E29 1392D931
(6000) 92791A91 09109189 2292591B 9058E88C A8AE8908 6B84281A 80480882 98638A78 E691A939 94994E94
(6040) E94E9539 5996196B 97397797 897696F9 63953937 9088BA84 B7C37346 B464F608 5D65B359 95875785
(6080) 6E569566 56556155 954A5335 144F04CA 4A949248 94924B24 E752B578 00000000 00000000 00000000
(6120) 00000020 A21025F3 6553D775 970AD5BB 3C44CAFD 09D55D8E DB3DC4DC 6DBFDB5D ADDA9DA9 DABDAEDB
(6160) 0DB1DB1D B1DB0DAF DAFDAFDA FDAFDB0D B0DB0DB0 DB000000 00000000 00000000 00000000 00000000
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(6240) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(6280) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
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(6360) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(6400) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(6440) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
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(6520) 2F38E9CF 05FD1087 0EE0FE0D 409405D0 3D035040 05206206 A06D06A0 6706205F 05D05F05 F0620620
(6560) 62062062 06205F05 F05F05F0 5F05F05D 05D05D05 D05F05F0 62062062 06206206 20620620 5F05F05F
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(6760) 407707A0 7A07C07C 07F07F07 F07F0820 82082082 08408408 708708A0 8A08C08C 08F09209 20940940
(6800) 97097099 09C0A10A 70AF0B40 B90BE0C1 0C60C90C E0D40D90 E10F1103 12014517 51A71D92 0922E248
(6840) 25A26526 D2772822 9229F2AF 2BC2C92D 12DC2E12 E92F12F9 2FE30330 630B30E3 1331631E 32332B33
(6880) 00000000 00000000 21721724 E3324F17 1C917A84 B6DBFBC6 2CC5D29D 84DC9DF0 DFBDF5DE 6DD8DCFD
(6920) CBDCDD01 DD5DD8DD 9DD9DD8D D6DD5DD5 DD5DD5DD 5DD6DD6D D6DD6DD0 00000000 00000000 00000000
(6960) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7000) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7040) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7080) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7120) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7160) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7200) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7240) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(7280) 649E546A 0C9F0DEC 3F470040 9C0E20E2 0B507C04 F0390360 4305205E 06506506 305E05C0 5C05C05C
(7320) 05C05E05 E05E05E0 5E05C05C 05E05E05 E05C0570 5204F052 05405905 C05E05E0 5E05C05C 05C05C05
(7360) C05C05C0 59059059 05905905 905C05C0 5C05C05C 05C05C05 C0590590 5905905C 05C05C05 C05C05C0

(7480)	50EC0F10	F60FB100	10811412	31371501	69182198	1AC1BB1C	51CF1D71	DE1E61ED	1F720120	92102152
(7520)	1A21F227	22C23323	823D2422	4724924C	24E25125	32562582	5B25D262	26526726	C26F2762	7B283288
(7560)	28D28F28	F28D2882	8327E279	27426F26	C2672652	60258253	24E24E25	32582602	6A271276	27B28028
(7600)	32882882	88288285	28528328	528A28F2	94297299	29C29929	92972992	9C2A12A8	2AD2B22B	52B52B52
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(7760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8600)	00000000	00000000	0887E81C	9EAEADAD7	B04A329C	09A993DC	26C4EA81	A32BBA99	3843976A	D77C6887
(8640)	91096B90	A9329B58	98865871	84994991	B9048E88	D18C688D	91B97697	69548438	7C87C8C0	95A92791
(8680)	68EE8DD8	CC8B597C	95A96B8C	C8CC8E28	D1921910	9109108E	28E88C09	4E96596B	93888789	888D9049
(8720)	5A93291B	91091B91	B91092C9	499A984F	87C88785	A9BA94E9	2C921910	9108B597	C94E9439	27916916
(8760)	8FF94994	995A9328	E8916916	96597C99	897C8A48	98871921	9828F37D	7ABAB37B	3288797C	A4391B81
(8800)	08938D79	5494E93D	97092C91	08D192C9	5A8FF860	A2CA049E	893293D9	829828D1	91693D96	59709B59
(8840)	C089E89E	88D91697	68F3810A	70AE2AE2	8C09549F	395A8328	9E8D7943	93D93894	99439278	FF92793D
(8880)	9048A99D	199398D9	21943970	97C8B590	492193D9	5A9709B5	87C88D87	C8C09989	1088D9C0	A0A9F994
(8920)	99329989	EE816887	8AF8EE95	F9279439	21916910	90493D93	D9708D18	B58B5887	98D93D93	29169169
(8960)	108E295A	9769AF91	B86B8938	8292C965	94E93D8D	D9048EE9	1095A987	9D184387	C87687C9	AF932904
(9000)	91B9278E	27F9AAFA	E2BD16C6	82187688	D9329049	0A91B916	9048EE94	39549659	5483285A	827827A5
(9040)	F9D19E88	828F390A	90493895	F9AF87C8	7C88D871	98793890	490492C9	218FF938	9709B590	A82C87C8
(9080)	7C90A943	9048FF91	08FF8C08	E2982954	93290492	794991B8	C68E8921	8E88DD8E	E8E89659	4996B8F3
(9120)	88787180	A9769828	FF8A4A76	A65A5482	18F99938	E2821871	87697096	B9048DD9	82904876	910A0497
(9160)	6838B5FB	9EAA4743	8608F992	78A48C08	DD93895F	96B99E89	E8988548	8D9438F3	8AF92194	39439328
(9200)	DD8F98FF	00000000	00000000	00000000	00000000	10023572	96251257	25925925	92592592	599FFAEA
(9240)	A77A6BA6	AA69A69A	69A69A69	B1AB4EB5	6B5AB5EB	62B6686A	B6EB72B7	6B7AB7EB	82B86B8A	B8EB92B9
(9280)	6B9AB9EB	A1BA6BAA	BAEBB2BB	5BBABBBB	C2BC6BC9	BCEBD2BD	6BD8BDDB	E0BE4BE8	BECBFBFB	3BF8BFBB
(9320)	FFC13C08	C0AC0FC1	3C180000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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(9400)	00000000	00000000	00000000	00000000	04000000	00000014	600100C0	13000300	00000700	70060020
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(9480)	00000014	601603A0	28000002	00000200	00000000	00000000	00000000	00000000	00000000	FFFFE9FF
(9520)	FFEA0000	18000016	00001600	00160000	17000017	FFFFEAFB	FFEA0000	17FFFFE9	FFFFE9FF	FFE9FFFF
(9560)	E9FFFFE9	FFFFE9FF	FFE9FFFF	E9FFFFE9	FFFFE9FF	FFE9FFFF	E9FFFFE9	FFFFE900	00640000	64000064
(9600)	00006400	00640000	64000064	00006400	00640000	64000064	00006400	00640000	64000064	00006400
(9640)	00640000	64000064	00006400	00640000	64000064	00006400	0064FFFF	44FFFF44	FFFF44FF	FF44FFFF
(9680)	44FFFF44	FFFF44FF	FF44FFFF	44FFFF44	FFFF44FF	FF3CFFFF	3CFFFF3C	FFFF3CFF	FF3CFFFF	3CFFFF3C
(9720)	FFFF3CFF	FF3CFFFF	3CFFFF3C	FFFF3CFF	FF3CFFFF	3C000000	00000000	00000000	00000000	00000000
(9760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(9800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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(9880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(9920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(9960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(10000)	00000000	711F81C3	21003FFF	FE07017E	00FF8000	0005F8E0	00000000	003BC1CB	0A01800E	81FA2162



FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES		
				PERM	ZERO	B	SHORT	UNDEF.	#RECS.	TOTAL#
2	262	262	10080	0	0	0	0	0	2	2

FILE	15 RECORD	1	LENGTH	10080BYTES						
(0)	001041AF	2AF4AF7A	F9AFEB00	B05B97B0	AB0EB11B	13B18B1D	B21B26B2	BB32B37B	3BB40B45	B4AB4EB5
(40)	1B51B53B	51B51B4E	B4EB4CB4	CB4AB4AB	47B47B45	B45B45B4	7B47B47B	4AB4AB4C	B4CB4EB4	EB4EB51B
(80)	51B51B51	B51B4EB4	EB4EB4EB	51B51B53	B56B58B5	AB5AB5DB	5DB5DB5F	B61B64B6	4B66B66B	62B68B68
(120)	B68B68B6	8B68B68B	68B68B6B	B6BB6DB6	DB70B72B	74B77B79	B7BB7EB8	3B85B87B	8AB8CB8E	B8EB93B9
(160)	5B9AB9DB	A1BA4BA6	BA8BABB8	0BB2BB7B	B9BBEBC2	BC7BCABC	EBCEBCEB	CEBCABC5	BC0BB4BA	6B93B79B
(200)	5DB3BB1D	AFEADFAC	3AA4A80A	58A289F6	9C99A698	99719559	2F9028C9	88B84880	57C87937	68744728
(240)	7096E568	868364F6	1F5F65D5	5B659456	E5435114	DA49E462	4263F43C	93A738B3	6B34731F	2F62CD2A
(280)	E2962832	7225C244	22A20B1E	91C71A81	8E178165	15614A13	912B11D1	0E1020F9	0F10EC0E	80DE0D70
(320)	CD0C408C	6B80B30A	E0AB0A70	A40A40A2	0A209F09	F09F09D0	9B098096	09309108	F08A0850	8307E07B
(360)	07907407	407206F0	6D06D06A	06A06A06	80680680	68068068	06806606	60660660	63066063	06306306
(400)	30610610	6106105E	05E05E05	E05E05E0	5E061061	06106106	105E05E0	5E05E05E	05C05C05	E05E05E0
(440)	5E05E05E	05E05E05	E05C05C0	5C05A05A	05A05A05	A05A05C0	5C05C05A	05A05A05	A05A05A0	5C05C05C
(480)	05C05C05	C05C05C0	5C05C05C	05C05C05	C05C05A0	5A05A05A	05A05A05	A05A05A0	5C05C05C	05C05C05
(520)	A05A05A0	5A05A05A	05A05A05	A05A05A0	5C05C05C	05C05C05	A05A0570	57057057	05705705	70570570
(560)	57057057	05705705	705A0570	57057057	05705705	50570570	57057057	05705705	70570570	57057057
(600)	05705705	70570570	5A05A057	05705705	70550550	55057057	05705705	70570570	57057057	00000000
(640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(760)	00000000	00000000	05705705	70570570	57057057	05705705	70550570	57057055	05505505	20550550
(800)	5705705A	05A05A05	70570570	55055055	05505505	50570570	57057057	05705505	70570570	57057057
(840)	05705705	70570570	5705A05A	05A05A05	A05A0570	57057057	05705705	A05A05A0	5A05A05A	05705705
(880)	70570570	5705705A	05A05A05	A0570570	5705705A	05A05A05	C05C05C0	5C05C05C	05C05C05	C05C05A0
(920)	5A05A05C	05C05C05	E05E05E0	5E05C05C	05C05C05	C05C05C0	5C05C05C	05C05C05	C05C05A0	5A05C05C
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(7840)	F9499279	328FF976	9879C091	68988B58	8D9B59BA	98799E95	F90A865A	3D9C08FF	938AF3A2	195AC5FD
(7880)	4283D80A	938A8D7D	D87C8E89	10A81B26	AC66386F	97056996	5AC2C9F3	7C6C26CB	A9E26F47	D77DD721
(7920)	A81A92AF	38C6982A	658C0788	79E77C78	8ADC95F8	05A26D31	C0A6667F	F82C782A	54C20C5F	6BB8CA86
(7960)	088D9338	878106E3	BFEA4E8A	9B59D20A	B564379E	7DD73290	AED6C486	B582C88D	8E891685	47D1677C
(8000)	5FA81893	BE8DDC9E	86E38278	827C0BC6	C20AC077	C83D8768	FF8FF83D	7AA605DA	9AF97D1F	70FFF3D8
(8040)	7167F982	7838BC0C	8D9216FF	76B74F68	DA54A108	C68CCB70	A4E95FB3	7C1B9046	E37F9816	6C0D20F7
(8080)	07166AA7	7178D710	A1E9828C	C8CCA0A9	B5949998	9D1A3D81	B8168548	4F96B98D	97C9658E	E8E88A99
(8120)	5F97694E	92C8D18D	786091BA	E2B26910	8168C693	28E28A48	A98C6938	8D787C89	3A219989	3D93296B
(8160)	97C92C94	39BAA1B7	9E82C838	7FFA3299	39709108	F98EE8A9	97695F95	A8EE8F39	10927910	9499A48E
(8200)	E83D8768	4F932976	9439498A	F8AF8608	9E9FF9BA	9BA8768F	99219109	1095AA0A	7F983D84	37EE9D19
(8240)	8294E904	8E28C686	09709EE9	C093D898	8EE9168F	39109329	5F8A48F9	94991B88	28828829	168E886B
(8280)	79EA0AA1	598D9389	C09E89C0	89894EA3	788281B8	4381B976	9769168F	F95A9108	718F3B76	C4386080
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(8520)	89E8C08C	093D9439	8D8C084F	87184991	B98797C9	5482C860	86588D95	A9169168	CC8AF8A9	8389B598
(8560)	299E8C68	4986081B	92C9C698	29498A48	CC8C090A	95A94E96	58938BB8	CC8D7943	9279388D	18DD8FF8
(8600)	E292C94E	9C087183	D86083D9	38927904	8EE8E88C	C89E8F39	7095F95A	88D8C08D	78EE8FF9	0A943898
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(8680)	992C9108	FF8E28BB	9C099E9C	68A48C68	D18CC96B	93D94991	B90490A8	CC9AF98D	9CB8E888	D8A98609
(8720)	93982949	93294E94	993295F9	7699394E	8C08CC8C	C9549879	4994395A	94992196	598D9A49	878C08E8
(8760)	8D79439A	49879938	F992191B	95A98D9A	49B58938	BB8A9910	8B597095	495496B9	65949965	9989E285
(8800)	A8AF8B59	0498D954	95493D90	A8D78BBA	43A04A37	88D8D18C	C8F39F99	C09E88BB	92792794	99F9A49A
(8840)	047C6865	8768DD98	D94992C9	27932910	91097C97	69C68938	A48AF8A9	99894992	193D9549	1B8E89D1
(8880)	9DDA6582	786B8A48	879A495F	95A93890	48FF8C69	A497697C	9048BB8C	08439D79	FFA0490A	8DD92794
(8920)	E8F39329	70927882	89387694	995F91B8	EE96593D	8F39439D	DA0A99E8	1B88D8A4	8FF96594	993D8FF9
(8960)	048EE8F9	9A499E9C	B8878A48	B58AF993	94393892	19279219	0496595F	99E8F38A	48BB8939	5F95A938
(9000)	92791B91	090A9389	6B99396B	85A89889	38F99549	2C90A92C	9108F98E	29989989	DD86B8AF	8C08D194
(9040)	392C9219	048F38F3	8BB98798	29C08F98	4F87C84F	92C97093	291093D9	4995A904	91B95F98	78218768
(9080)	7C8BB970	9168F392	19168F98	D795F94E	96B8E28C	68F98EE9	0491090A	9048EE8E	E8C09769	70970927
(9120)	89E89383	D9219A99	3D8C0A21	A3DAD77C	C8C695F9	4980583D	8438CC97	C9218EE9	389218EE	8C698298
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(9240)	BCABC6BC	0BBEBB8B	B4BB0BAE	BA8BA4BA	0B9EB9AB	94B90B8B	B8AB86B8	0B7CB78B	76B71B6C	B6AB66B6
(9280)	2B5EB5AB	56B52B4E	B4AB46B4	2B3EB3AB	36B32B2E	B2AB2EB3	2B36B3AB	3EB42B46	E4AB4EB5	2B56B59B
(9320)	5EB60B64	B68B6CB7	0B73B78B	7BB80B83	B88B8BB8	FB93B98B	9BBA0BA3	BA8BABBA	FBB3BB8B	BBBFBBC3
(9360)	BC8BCABC	EBD2BD6B	DABE0BE2	BE6BEABE	EBF2BF6B	FABFEC02	C06C09C0	EC12C16C	1AC1E000	00000000
(9400)	00000000	00000000	00000000	00000000	04146D17	02E03814	6017D2D0	070DC2FE	00000300	40040000
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(9520)	FF93FFFF	64FFFF92	FFFF63FF	FF63FFFF	93FFFF63	FFFF64FF	FF63FFFF	93FFFF92	FFFF93FF	FF64FFFF
(9560)	64FFFF93	FFFF92FF	FF92FFFF	92FFFF92	FFFF92FF	FF64FFFF	64FFFF64	FFFF6400	00370000	37000037
(9600)	00003700	00370000	37000037	00003700	00640000	64000037	00003700	00640000	37000037	00003700
(9640)	00640000	37000037	00006400	00370000	37000037	00003700	0037FFFF	64FFFF64	FFFF64FF	FF64FFFF
(9680)	64FFFF5C	FFFF5CFF	FF5CFFFF	5CFFFF5C	FFFF54FF	FF54FFFF	54FFFF54	FFFF5CFF	FF54FFFF	54FFFF4C
(9720)	FFFF4CFF	FF54FFFF	4CFFFF4C	FFFF4CFF	FF4CFFFF	4C000000	00000000	00000000	00000000	00000000
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(9800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(9840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(9880)	00000000	00000000	00000000	20A20004	4590873D	0D080436	ECF3908C	C6028007	2760CD27	60F52800
(9920)	8F2800C3	2800ED28	01032801	89000000	00000000	00000000	00000000	00000000	00000000	00000000
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(10000)	10000000	721F81C3	23003FFF	FE01017E	00FFF007	0003F8E0	00000000	003BD1C6	0A017C0E	81F52172
(10040)	6D24D203	C1321300	00000000	00000000	00000000	00000000	00000000	00000000	00000001	9B98C57C

Start
time

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(40)	BB4BB4BB	4BB4BB4B	B4BB4BB4	DB4DB4DB	4FB4FB52	B52B52B5	4B54B54B	54B57B57	B57B59B5	9B59B5BB		
(80)	5BB5BB5B	B5EB5EB5	BB5BB5BB	5EB5EB60	B62B65B6	786AB6CB	6EB71B73	B75B78B7	AB7CB7CB	7CB7CB7F		
(120)	B7CB7CB7	CB7CB7CB	7CB7CB7C	B7CB7CB7	CB7CB7FB	7FB7FB7F	B81B81B8	1B81B81B	81B81B81	B84B84B8		

(200)	94B92B8F	B8DB8BB8	8B86B86B	81B7FB7C	B7A578B7	8B75B75B	75B73B73	B73B73B7	3B73B71B	71B6EB6E
(240)	B6CB6CB6	EB6EB6EB	71B71B6E	B71B71B7	3B75B78B	7AB7CB81	B84B88B8	DB92B97B	9BBA0BA2	BA5BA5BA
(280)	7BA7BA7B	A7BA7BA7	7A7BA7BA	7BA5BA2B	9EB99B8F	8B6B78B6	5B4DB33B	14AF1ACA	AA2A75A4	8A1B9EB9
(320)	BC98E961	93690C8E	1B8B88B8	6C835808	7DB7AB77	97477126	DE6A9674	6456175E	C5C15985	70545517
(360)	4EC4BF49	14644364	0D3E43BC	39837435	03303112	F22D32B3	29427725	823B21E2	021E71CD	1B219A18
(400)	417115E1	4D13C12B	11D11110	5DF90EDD	E30D90CD	0C40BACB	30AC0A7D	A209B096	09308F08	C08A087D
(440)	85083080	08007E07	E07E07E0	7E07E07E	07E07E07	E07E07B0	79079077	07707407	40740720	7206F06D
(480)	06D06D06	D06D06D0	6D06D06D	06D06D06	A06A06A0	68068066	06606606	60630630	66066066	06306306
(520)	105E05E0	5E05E05E	05E06106	10610610	61061061	06106106	106105E0	5E05E05E	05E05E05	EC5E05E0
(560)	5E05E05E	05E05E05	E05E05E0	5C05C05C	05C05C05	C05C05C0	5C05C05C	05C05C05	C05C05C0	5C05C05C
(600)	05C05E05	E05E05E0	5E05E05E	05E05E05	E05E05E0	5E05E05C	05C05C05	C05C02E0	2E02F031	03203E08
(640)	A1793556	06909BAC	D6BE21E0	1D6CCC6C	6BC69D0A	DB0E48EB	2EEAEF6E	E9ED2EBE	EB3EB1EB	6EBDEC2E
(680)	C6EC6EC5	EC2EC1EC	0EBFEC0E	C0EC1EC2	EC2EC2EC	2EC2EC1E	C1EC1EC1	EC1EC1EC	1EC1EC1E	C1EC1EC1
(720)	EC1EC2EC	2EC2EC2E	C2EC2EC2	EC2EC2EC	1EC1EC1E	C2EC2EC2	EC2EC1EC	1EC1EC1E	C1000000	00000000
(760)	00000000	00000000	D82D84D8	2D6BD05C	2EABC83F	45AF2597	24961FA2	15440734	95A99A7F	553425F0
(800)	3AF19EE3	F46FDF06	30B00BF0	A708005A	04403D04	404E007D	5E061061	05E05C05	A05A05A0	5A05A05A
(840)	05A05C05	C05C05A0	5A05A05A	05A05A05	A05A05A0	5C05C05C	05C05C05	C05C05A0	5A05A05A	05A05A05
(880)	C05C05C0	5C05C05C	05C05A05	C05C05C0	5C05C05C	05E05E05	E05E05C0	5A05A057	05705A05	C05C05E0
(920)	5E06105E	05E05E05	C05C05C0	5C05C05C	05C05C05	C05C05C0	5C05C05E	05E05C05	C05C05C0	5C05C05C
(960)	05C05E05	E05E05E0	5E05E061	06106106	10610610	61061061	06106306	30630630	63063063	06306306
(1000)	60660660	68068068	06806806	806806A0	6A06A06A	06806806	A06A06A0	6A06A06A	06D06F06	F0720720
(1040)	72072072	07407407	70790790	7B07E07E	07E08008	00800800	80080080	08008308	30830850	8708A08C
(1080)	08F09109	609B0A00	A70AC0B3	0BA0C40C	D0D70E10	EA0F6102	10C11A12	61331431	54165178	18E1A41B
(1120)	91D11EC2	0622123E	25B27729	42B32D52	F731B33F	3633893B	03D83FF4	2544E474	49D4C34E	C5175405
(1160)	6B5965C1	5EF61E65	16836BA6	F172575C	78E7C07F	081D84B8	7589E8C6	8EF91794	09689939	BE9E9A14
(1200)	A43A7EA9	DAC8AEEB	12B31B4D	B65B7AB8	8B97B9EB	A5BACBB1	BB5BBABB	CBFBFBFB	ECBB8BB5	BB1BACBA
(1240)	7BA2B9EB	9BB97B97	B94B92B9	2B8FB8FB	8DB88B88	8B6B81B7	FB7CB7AB	75B73B71	B71B6EB7	1B71B73B
(1280)	75B73B7A	B7CB7CB7	FB7FB81B	81B81B81	B81B81B8	1B81B84B	86B88B8B	B8DB8FB9	2B94B94B	97B97B97
(1320)	B97B97B9	9B99B99B	97B99B99	B99B99B9	BB9BB9BB	9BB99B99	B97B94B9	2B8FB8FB	8DB8DB8B	B8BB88B8
(1360)	8B88B8BB	8BB8B8BB	B8BB80BB	0B8BB8BB	8BB88B88	B86B86BB	8B88B3BB	8B88B6BB	B86B86BB	4B84B81B
(1400)	81B7FB7C	B7AB7AB7	8B78B75B	73B71B6E	B6CB6CB6	AB6AB6AB	67B67B6A	B6AB6AB6	7B67B65B	62B5EB5B
(1440)	B59B57B5	4B52B52B	4FB4FB4F	B4DB4DB4	DB4DB4BB	4BB4BB4B	B4BB48B4	8B46B44B	44B41B41	B41B41B4
(1480)	4B41B41B	3FB3FB3C	B3CB3CB3	CB3CB3CB	3CB3FB3F	B3FB3FB3	CB3CB3CB	3AB3AB38	B38B35B3	5B330000
(1520)	00000000	00000000	00000000	00A93A93	A93A93A9	3A93A93A	93A93A93	A91A91A9	1A91A91A	91A91A91
(1560)	A91A91A9	1A91A93A	93A93A91	A91A91A9	1A91A91A	91A91A8E	A8EA8EA8	EA8EA8EA	8EA8EA8E	A8EA8EA8
(1600)	CA8CA8CA	8CA89A89	A89A89A8	9A89A89A	89A87A87	A87A87A8	5A85A85A	85A85A85	A85A85A8	5A85A85A
(1640)	85A85A85	A85A82A8	2A82A80A	80A80A7E	A7EA7BA7	BA7BA7BA	7BA7BA7B	A7BA7BA7	BA7BA7BA	79A79A77
(1680)	A74A74A7	2A72A6FA	6FA6DA6D	A6DA6BA6	8A68A66A	66A66A64	A64A64A6	4A64A64A	61A61A5F	A5FA5DA5
(1720)	DA5AA5AA	5AA58A58	A55A55A5	3A51A4EA	4CA4AA47	A43A40A3	EA3CA39A	34A32A2D	A29A24A1	FA1BA16A
(1760)	11A0CA05	9FE9F79F	29EB9E49	DB9D49CD	9C69BE9B	79B09A99	A299B996	99298F98	D9889869	8197A973
(1800)	96C96595	B9529499	3F933928	9199098F	88E68D08	BD8A8893	87B86684	F8398248	117FC7E7	7CF7B879
(1840)	E77F7607	4071E6F9	6D36AD68	866263F6	1E5FD5DE	5BF5A358	756B5515	345184FA	4DB4BC49	B47A4574
(1880)	364183F9	3DD3C53A	B3913783	5E341325	3092ED2D	12B729D2	8526E256	24122E21	92061F31	E11CB1B9
(1920)	1A619117	E16B15B1	48137129	11910DCF	F0F30E7D	DE0D50CB	0C40BD0B	60AD0A8D	A109A095	09C08C08
(1960)	70820800	7E079077	07407407	20700700	7006D06D	06D06D06	B06D06D0	6D06B06B	06B06B06	B06B0680
(2000)	68066066	06606406	40640640	61061061	06106106	106105F0	5F05F05F	05F05F05	F05F05F0	5D05D05D
(2040)	05D05D05	D05D05D0	5D05D05A	05A05A05	A05A05A0	5A05A05A	05A05A05	A05A05A0	5A05A05A	05A05A05
(2080)	A05A05A0	58058058	05805805	80580580	58058058	05805805	80580580	58058058	05805805	80580580
(2120)	58058058	05805805	80580580	58058058	05805805	80580580	58058058	05805805	80580580	58058058
(2160)	02C02C02	C02C02D0	3D09719A	38C65196	9C21DEDE	A8E87DEF	D46CEBD0	DD93E3FE	DCF4BF87	F96F8AF7
(2200)	5F62F57F	55F5AF60	F66F69F6	9F68F67F	66F64F64	F64F64F6	4F66F64F	66F66F66	F66F66F6	6F66F66F
(2240)	66F66F66	F66F66F6	6F66F66F	66F66F66	F66F66F6	6F66F66F	66F66F66	F66F66F6	6F66F66F	66F66F64
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(2320)	368188C8	D37554D4	23CC45F3	EF0AF64F	EC064DA8	0B80A307	E05D0480	43D48051	05A06106	406105F0
(2360)	5D05A05A	05A05A05	A05D05D0	5D05A05A	05A05A05	AC5A05A0	5A05A05A	05D05D05	D05D05A0	5A05A05A
(2400)	05D05D05	D05D05D0	5D05D05D	05D05D05	A05A05A0	5A05A05A	05D05D05	D05D05D0	5A05A058	05805805
(2440)	80580580	58058058	05805805	80580580	58058058	05805805	80580580	58058058	05805805	80580580
(2480)	58058058	05805805	A05A05A0	5A05805A	05A05A05	AC5A05A0	5A05A05A	05A05A05	A05A05A0	5A05A05A
(2520)	05D05D05	D05D05D0	5D05D05D	05D05D05	D05D05F0	5F05F05F	05F05F05	F05F0610	61061061	06106106
(2560)	10640640	64064064	06406606	60660680	6806806B	06B06B06	B06D06D0	6D06D06D	06D06D06	D0700700
(2600)	70072072	07407707	707907E0	80082087	08C08E09	309A09F0	A60AD0B4	0BB0C20C	90D00D90	E30EC0F8
(2640)	10411211	D12E13C1	4C15D170	18C1931A	31B61C91	DC1F12C6	21E23524	D26427E2	962B02C7	2DF2F931
(2680)	032A3443	5B37538F	3A83C53E	140041F4	40461482	4A24C34E	250151F5	3E55A576	5905AD5C	95E56016
(2720)	2063F662	6856A96D	16F671C7	40760781	7A07BA7D	47EC8018	1682983E	85686B88	589A8B28	C78DA8EA
(2760)	8FR90991	79030310	3D046952	95B96596	F9759709	84088088	98D08F00	00040060	08040085	08C08308

(2840)	4EA53A55	A55A58A5	AA5AA5AA	5DA5DA5F	A5FA5FA6	4A61A64A	64A64A66	A66A66A6	6A68A68A	6BA6BA6D
(2880)	A6FA6FA6	FA72A72A	72A72A72	A74A74A7	7A77A77A	77A79A79	A79A7BA7	BA7EA7EA	7EA7EA7E	A7EA7EA7
(2920)	EA7EA7EA	7EA7EA7E	A7EA7EA8	EA80A80A	80A80A80	A80A80A8	0A80A82A	82A82A85	A85A85A8	5A87A87A
(2960)	87A87A87	A87A85A8	5A82A80A	80A7BA79	A72A6DA6	6A64A61A	66A6BA72	A77A7BA8	0A80A82A	82A82A82
(3000)	A82A82A8	2A82A82A	82A82A82	A82A82A8	2A82A82A	85A85A87	A87A87A8	9A89A89A	89A89A89	A89A87A8
(3040)	7A87A85A	82A82A82	00000000	00000000	00000000	000000AF	BB08B0EB	0CB0AB06	B06B06B0	2AFBAF0A
(3080)	E3AD8ACD	AC3ABAAB	4AB3AB8A	C3AD2AE7	AFDB13B2	6633B3AB	3EB42649	B56B67B7	8B85B8AB	89B7DB6D
(3120)	B56B3EB2	4B0EB01A	FBB01B08	B11B15B1	0B02AF4A	ESADFAE3	AF0B02B1	1B19B15B	04AECAD0	AB6AA6A9
(3160)	CA9EAA6A	B3AC0ACB	AD0ACEAC	7ABAAA9A	91A77A5D	A47A36A2	FA2DA2DA	27A1EA11	A009F29E	19CD9B19
(3200)	8A9549CE	8BB85F80	17A77516	FD6A8654	6025BB53	455E5465	3852B517	4F84CD49	645A4173	D338C349
(3240)	3112E62C	B2BD2B92	BB2C02C4	2C72C92C	B2CD2CF2	D22D42D6	2D92DB2D	B2DB2DD2	DD2DD2DF	2DF2DF2D
(3280)	F2DD2DB2	D82D42D0	2CB2C62C	02BB2B52	B02AB2A5	2A029C29	92952902	8A28527E	27526C26	125624B2
(3320)	4023622D	22221921	02092001	F91F01E7	1DE1D31C	819D1AF1	A2194186	17916D16	015514B1	4213712C
(3360)	12111810	E1030FA0	F10E800F	0D80D10C	A0C30BB0	B60AF0AA	0A209D09	609108B0	8608007B	07807206
(3400)	F06B0670	6406205F	05D05B05	70560540	5205004E	04E04D04	D04B0490	49047047	04704604	60460460
(3440)	44044044	04404404	40440440	44042042	04204204	20420420	42042042	04204204	20400400	40040040
(3480)	04004004	00400400	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04204204
(3520)	20420420	42042042	04404404	40440440	44044044	04404204	20420420	42042042	04204204	20420420
(3560)	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04204204	20420420	42042042
(3600)	04204204	20420420	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04204204
(3640)	20420420	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04204204	20420420
(3680)	42042042	04204204	204202C0	2C02C02C	02D03F0A	31B33A46	59957BF3	D9BE26DD	2D0FC51C	02C4DD1A
(3720)	E1BF07FA	7FEFFEFF	C8F98F73	F63F63F6	EF7CF87F	8CF8CF89	F85F81F8	0F80F81F	81F83F83	F83F83F8
(3760)	3F83F83F	83F83F83	F83F83F8	3F83F83F	83F83F83	F83F83F8	3F83F83F	83F83F83	F83F83F8	3F83F83F
(3800)	83F83F83	F83F83F8	3F83F83F	83000000	00000000	00000000	00000000	74474474	47316CD5	EB47B259
(3840)	F52B6F73	D3951821	A23A9667	83A83567	C3F1180F	CBF00EFC	F6CFF906	709F0A10	8405D03D	02D02B03
(3880)	403E0470	4D04D04B	04704604	40440440	44046046	04604604	60460460	46046046	04604604	60460460
(3920)	46046046	04604604	60460460	46046046	04604604	60460460	46046046	04604604	60460460	46046046
(3960)	04604404	40420420	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04204204
(4000)	20420420	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04204204	20420420
(4040)	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04204204	20420420	42042042
(4080)	04204204	20420420	44044044	04404404	40440440	44044044	04404404	40420440	42042042	04204204
(4120)	20420420	42042042	04204204	20420420	42042042	04204204	20420420	42042042	04004204	00420420
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(4200)	04604704	70470490	4904B04B	04D04D04	E0500520	54056057	05905B05	D0600620	6606706B	06F07407
(4240)	807D0800	8608B091	09609B0A	10A80AD0	B408B0C4	0CC0D40D	C0E50EC0	F50FE105	10E11712	112A1331
(4280)	3E147152	15E16B17	71841921	9F1AD1BA	1C41D11D	C1E51F01	F71FE205	20C21421	B22222B2	3423F249
(4320)	25425F26	A27527E2	8728E295	29A29E2A	22A52A72	AC2B02B7	2BE2C62C	B2D22D62	D92DD2DF	2E12E12E
(4360)	22E22E42	E42E42E4	2E42E22E	22E12DF2	DD2D92D8	2D42D02C	D2CB2C92	C72C62C6	2C62C92D	22E22FD3
(4400)	293613A4	3EC43647	B4BC4F55	24548565	57B58F5A	75C85F56	2E6706B7	6FE74879	37E683E8	9E8FC952
(4440)	99C9D6A0	0A20A38A	4BA5DA6E	A7DA86A8	AA86A7FA	75A6EA6A	A6EA75A7	BA80A86A	8DA9AAAD	AC5AE1AF
(4480)	9B0AB1CB	0AAFDAAE	ADAAD0AC	EAD8AE5A	F5B04B0E	B13B15B1	5B13B15B	1DB2BB3E	B51B60B6	3B5EB4DB
(4520)	33B13AF4	ADAAC9AC	1AC3AC7A	CBACEAD0	ACEAC7AB	EAB3AA9A	A7AAFABC	ACBAD8AD	FADDAD0A	C0AA9A97
(4560)	A88A7FA7	5A68A4BA	1C9E19AB	98E9979C	7A0C0000	00000000	00000000	00000000	00A2BA2D	A2AA29A2
(4600)	7A26A26A	27A29A29	A27A25A1	FA19A13A	0FA0FA12	A1AA26A3	6A47A51A	5AA5CA60	A67A73A8	5A96AA7A
(4640)	B3ABAABA	AB4AABA9	CA8AA75A	5EA44A2B	A139FF9E	F9E49E09	E09E59E9	9ED9F39F	BA08A17A	27A34A3A
(4680)	A39A34A2	AA1FA16A	0CA06A03	AD3A03A0	3A029FD9	F99F59F1	9ED9EB9E	59DE9D59	CA9BD9AC	99998496
(4720)	B9509349	118DF899	83A7C874	E6DD6806	385FE5C4	57D5254C	246040C3	CD3A2383	36934F33	030C2DE2
(4760)	A525B203	1A11460F	A0C50A90	9E0A10A9	0B00B50B	80B90B90	BA0BD0C0	0C10C40C	40C20C10	BD0B80B2
(4800)	0AC0A509	D09506D0	8607E078	07206D06	90650600	5C056051	04C04804	203E03A0	36034031	02E02C02
(4840)	90280260	25024024	02202202	20220220	02202202	02202202	40240240	25025025	02502602	60260280
(4880)	26028028	02902902	902A02A0	2A02C02C	02C02C02	02C02C02	2D02D02D	02D02D02	D02D02D0	2D02D02D
(4920)	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02
(4960)	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0
(5000)	2D02D02E	02D02D02	D02D02D0	2D02D02D	02D02D02	E02E02D0	2D02D02D	02D02D02	D02D02D0	2E02E02D
(5040)	02D02D02	D02D02D0	2E02E02E	02E02E02	E02E02E0	2E02E02E	02E02D02	D02D02D0	2D02D02D	02D02D02
(5080)	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0
(5120)	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D
(5160)	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02
(5200)	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	3C0A01B8	3B068398	BC26D0E
(5240)	63E1BD63	CAAC57C9	7D4FE3AF	10FA0FE1	FDFFB8F8	9F66F55F	55F60F6E	F79F7EF7	EF7CF78F	75F72F72
(5280)	F74F75F7	5F76F76F	76F75F75	F75F75F7	5F75F75F	75F75F75	F75F75F7	5F75F75F	75F75F75	F75F75F7
(5320)	5F75F75F	75F75F75	F75F75F7	5F75F75F	75F75F75	F75F7500	00000000	00000000	00000000	0000F75F
(5360)	75F75F6B	F35EB5DD	DC93AA88	175392A7	13D18C35	F5BB7417	2F5AA36F	148FC2F0	FF09F6DF	EAC4D07E
(5400)	08006404	002A01A0	1201902A	00003103	203002D0	0A020000	02000A02	A00002C0	2002002A	02A02A02

(5480)	2A02A02A	02A02A02	A02A0200	2C02C02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D
(5520)	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02
(5560)	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2E02E02E	02D02D02	D02D02D0
(5600)	2D02D02E	02E02E02	E02E02E0	2E02E02E	02D02D02	D02D02D0	2D02D02E	02E02E02	E02E02E0	2E02E02E
(5640)	02E02E02	E02E02E0	2E02E02E	02E02E02	E02E02E0	2E02E02E	02E02E02	E02E02E0	2E02E02E	02E02E02
(5680)	E02E02E0	2E02E02E	02E02E02	E02E02E0	2E02E02E	02D02D02	02D02E02	E02E02E0	2E02E02D	02D02E02
(5720)	2E02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D
(5760)	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02	D02D02D0	2D02D02D	02D02D02
(5800)	C02C02C0	2A02A02A	02902902	90280280	28026026	02602502	50250250	24024024	02202202	20220220
(5840)	21021021	02102102	20220220	24025026	02802902	A02D0300	32035039	03D04104	50490400	52056050
(5880)	06106606	A0700750	7A080086	08D09509	D0A40AA0	B00B50B9	0BD0C00C	10C20C20	C10BE0BC	0B90B60B
(5920)	40B10AE0	AE0AE0B1	0B60C10D	810013C1	8B1E4240	2962E232	436039A3	D340E449	4844BD4F	653557B5
(5960)	C961D671	6C571676	67BA80F8	648B58FA	93095496	B97697A9	7D97E982	98798B98	F9939979	9C9A39AB
(6000)	9B39BA9C	19C79CF9	DC9EC9FF	A13A29A3	EA4FA5BA	60A5FA54	A45A32A2	2A19A1AA	25A36A4D	A62A73A7
(6040)	EA85A86A	83A7EA75	A68A58A4	7A36A2AA	23A22A26	A2AA2DA2	EA2BA29A	23A1EA16	A0FA069F	C9F59F19
(6080)	F09F49FB	A02A04A0	4A009F89	ED9E19D4	9C79BD9B	49B09B09	B39B89BE	00000000	00000000	00000000
(6120)	00000037	F38738F3	9739A39A	39438C38	237736F3	6535F358	35234A34	233832B3	1D30E300	2F32E62D
(6160)	B2CE2BE2	AF299282	26724D23	02131F61	D61B118A	16213811	30F60E10	D60CE0CC	0C90C60C	10BE0B60
(6200)	B10AC0A7	0A109C09	90970940	9108F08F	08C08A08	A0870870	84084084	08208208	20820820	7F07F07F
(6240)	07C07C07	C07A07A0	77077077	07407207	206F06F0	6D06A06A	06706706	70650650	65062062	06206206
(6280)	20620620	62062062	06206206	20620620	62062062	06206206	20620620	62062062	06206206	20620620
(6320)	62062062	06206206	20620620	62062062	06206206	20620620	62062062	06206206	20620620	62062062
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(6400)	20620620	62062062	06206206	20620620	62062062	06206206	20620620	62062062	06206206	20310310
(6440)	300390A3	1FF47075	F9FDBD7D	03DC7E56	ECAF29F7	0F9DFAFF	B1FA7F9D	F93F8EF8	EF91F93F	96F97F97
(6480)	F97F97F9	6F96F96F	96F96F96	F96F96F9	6F960000	00000000	000F2CF2	CF1CE8AC	BB8D52D2	BED5D418
(6520)	7F42EA4F	0EFD608A	0EE0FE0D	309405D0	3D038042	05206206	D06F06D0	6706205F	05F05F05	F0620620
(6560)	62062062	06206206	20620620	6205F05D	05D05F05	F0620620	62062062	06206206	20620620	62062062
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(6640)	20620620	62062062	06206206	20620620	62062062	06206206	20620620	62062062	06206206	20620620
(6680)	62062062	06206206	20620620	62062062	06206206	20620620	62062062	06206206	20620620	62062062
(6720)	06206206	20620620	62062065	06506506	50650670	6706706A	06A06D06	D06F0720	72074074	07707707
(6760)	A07A07C0	7C07C07C	07F07F07	F0820820	82084084	08408408	40840870	8708A08C	08F08F09	10940970
(6800)	9909909F	0A10A70A	C0AF0B40	B90BE0C4	0C90CE0D	30D90E30	F1106120	1451721A	11D11FE2	25248265
(6840)	2822992B	12C62D92	EB2F8308	31332032	D3383423	4A350355	35835A35	D35F35F3	62365367	36736736
(6880)	70000000	00000000	26E27127	627827B2	7B278273	26E26926	72642672	6926C271	27627B28	228728A2
(6920)	8F28F291	29129128	F28F28F2	8F28F28F	29129129	429629B2	9E2A32A8	2AA2AD2A	D2AD2AD2	AD2AD2AF
(6960)	2B22B42B	72B92B02	BE2C12C3	2C62C82C	82C82C82	C82C62C3	2C12BE2B	C2B92B72	B42AF2AD	2A82A52A
(7000)	029B2962	9128C285	28027B27	326C2642	5A24E242	23822B21	F2122061	F71EA1DE	1CF1C21B	31A41951
(7040)	8417315F	14D13912	811610A1	000F80F1	0EC0EA0E	50E00D80	D30CC0C7	0C20BF0B	F0BF0BF0	BD0BD0BA
(7080)	0B80B80B	30B00AE0	AE0AB0A9	0A90A60A	40A109C0	9A097092	09008B08	608307E0	7C077074	07206D06
(7120)	A0650650	63063063	06306306	30600600	6005E060	06006006	00600600	6005E05E	05E05E06	00600600
(7160)	60060060	06006006	00600600	60060060	06006005	E05E05E0	5E05E05E	05E05E05	E05E05E0	5E05E05E
(7200)	05E02F02	F02D02D0	731923C2	67B8F6AC	2BEB09FD	24DA0E1D	E8BEDDF0	BF17F0EE	FDEEBEE1	EDDEDEEE
(7240)	3EE7EEBE	EBEEBEEA	EE8EE8EE	7EE7EE7E	E8EE8EEA	EEAEEA00	00000000	00000D03	DD3DABCD	2A9F6670
(7280)	629E5475	0E0F29ED	EF5D0130	A10E50E2	0B507C05	203E03B0	48054060	06806806	506305E0	5E05C05E
(7320)	05E05E06	00600600	60060060	06006006	005E0570	5204F04F	05405905	E0600600	5E05E05C	05C05C05
(7360)	C05C05C0	5E05E05E	06006006	00600600	6006005E	05E05E05	E05E05E0	5E05E05E	05C05C05	E05E05E0
(7400)	5E060060	06006006	00630630	65065068	06806A06	D06F0720	7407C07E	08308808	D0900950	9709A09F
(7440)	0A10A40A	90AB0AB0	AEC0A0AE	0AE0B00B	30B50B80	BA0BD0BF	0C20C40C	70C90CC0	CE0D30D8	0E00E50E
(7480)	A0F10F60	FD10510F	11912813	914D1611	7518919A	1AC1BB1C	A1D91EA1	F9208215	22122E23	824224B2
(7520)	5526226C	27327B28	02852872	8A28C28C	28F28F29	12912912	9128F28F	28F28C28	C28C28C2	8C28A28A
(7560)	28A28728	72852822	8028027D	27B27827	627126C2	67264262	26226426	726926E2	71271273	27627627
(7600)	827827B2	7D280280	28228228	22852872	8728A28A	28C28C28	F28F2912	91291291	28F28F28	C28A28A2
(7640)	8A28C291	29600000	00000000	00000902	00017800	019E0002	C8000610	001E0C05	C0580420	2D06205E
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(7720)	09169169	4E90A893	89E87694	39829549	388DD904	8FF91092	793D95A8	768A488D	8CC98296	59878988
(7760)	D78F38E8	8FF92C98	D85A8548	6585A93D	92C94E90	A8388608	2C8C0965	91690A8D	18B58768	0AA1B9A4
(7800)	97C8E28E	E8EE8F39	7696B9A9	8CC89389	E85A9AF9	8796593D	93293D92	C92C9439	5A92C8C6	8DD89E96
(7840)	599E98D9	6B8F9916	92792C95	495F97C8	9E8C6893	90A9CB99	E9938DD9	048FF92C	98D9989D	D87C8B58
(7880)	9E8B59F9	99397094	E9659829	4E932954	9938E28E	28C68069	F99A49BA	92192192	C92798D9	879AF8F9
(7920)	8FF8EE8D	79DD9939	9E92C94E	9439549A	49A4A048	BB8D18A9	88DA6B9C	B95A9C09	DD9C0987	9C09F99D
(7960)	18AF9169	2197C993	9A998D91	B95495A9	54965993	94E8C68D	78BB9659	9E98795F	91093293	D93D94E9
(8000)	6B9438AF	8BB89894	E9A99879	5F910932	92C93894	E9659708	A98C68A9	92C9A998	79709049	2791B93D
(8040)	96596899	F8AF8D78	B5910906	00F9A08E	000A0109	3806897C	08A8088C	080E800A	0A9AF98D	02C94395