Data SEt Catalog #131

PIONEET 6-Hourly Aug. Plasma Param
45-105A-06C 2tapes

PIONEET 7-Hourly Aug. Plasma Param
66-075A-03C 1tape

Table of Contents

- 1. Introduction
- 2. Errata/Change Log
- 3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM
- 4. Catalog Materials
 - a. Associated Documents
 - b. Core Catalog Materials

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

PIONEER 6

HR AVG PLASMA PARAMETERS ON MAG TAPE 65-105A-06C

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY 2 9-TRACK, 800 BPI TAPES, WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
DR02715	DS02715	DD06367 DD06366	1 2	12/18/65 - 12/31/65 01/01/66 - 03/04/66

PIONEER 7

PIONEER 8

HR. AVG. PLASMA PARAMETERS HOURLY AVERAGED VECTORS ON TAPE

66-075A-03C

67-123A-01C

THESE DATA SETS HAVE BEEN RESTORED. THE ORIGINAL TAPES WERE 9-TRACK, 800 BPI AND 1600 BPI. THE TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

E/R#	DS#	I(#	FILES	TIME SPAN
ERØ2871	DSØ2871	DØ6364 D23793	1 2	08/19/66 - 11/28/66 (PIO7) 12/17/67 - 12/30/69 (PIO8)

PIUNEEZ VI AND PIONEER VII - HOURLY AVG PLASMA PAKAN

65-105A-06C - Pioneer VI 66-075A-03C - Pioneer VII

The tapes in the 2 data sets are 800 dPl, Minary, 9 track, and contain 1 file. Each file consists of many short records. There is one logical record per physical record. There is a header record of 14 words, followed by a data record of up 53 words. There are 2 control words preceding the actual word 1 of the header record.

The tapes are hex dumped using TD-00. Start and stop times are in seconds since beginning of the year, and are converted to days. January 1=Day 0.

> 65-105A-06C Pioneer 6 - Hourly Avg Plasma Param

D0 C0 0File Start Stop 0 D-06366 C-04965 1 01/01/66-03/04/66 D-06367 C-04966 1 12/18/65-12/31/65

> 66-075A-03C Pioneer 7 - Hourly Avg Plasma Param

D# C# File Start Stop D=06364 C=04567 1 C8/19/66-11/28/66

STOP TIME OF HEADER D-6366 5242880 65536 45 056 3 328 5356770 see since year 5354770 - 86400 = 61.86370 GI DAYS 0886 T. 06 = 46 X 07 8880 20 1010 .72880 X 00 = 43.72800 (43 miles) LAST LOGICHE PECOND (STOP TIME) 1487.6704 1/85 - 24 = 61.98626 (61 days) 78626 x 24 = 23.67024 23 123 .67024 x 60 = 40.21440 (40 muss)

D-6367 BESIDNES

30,341,746 FIERER START 30,341,746 - 86400 = 351.15 346 DAY 351) .15346 x 24 = 3.68304 3 Junes

10 8304 × 00 = 40, 48340

157 LOGICAL RECORD STAFT

8428.82430 Jus + 34 = 351, 20100

DAY 351
.20100 x 34 = 4,83400

.83400 × 60= 49,44000

Stop Time of D-6367 HEADER 768 12228 45536 146800 64 16,777,210 31,535,831 31,535,831 - 86400 = 364.86531 DATC 3640 ● . 86231 × 24 = 20.69544 (HR 20' .69544, x 40 = 41.72640 41 mm LAST LOGICAL RECORD STOP TIME 8759,51170 Am + 24 = 364,97965 364 DAT .97965 x 24 = 23.51160 (HR 23 51140 x 40 = 30,69600 m 30

Bright D-6364 MEHDER

15T LOSALL RECORD 3140T JIME 55 20.00000 1183 - 24 = 230,00000 DAY 230 HU 0 Bryun START D-6364 HEHDER

15T LOSAAL RECORD 3140T JIME 55 20.00000 11RS - 24 = 230,00000 DAY 230 HA 0

END of D-6364 HEADEN 570 P 7100 E 1792 57344 11534336 16,777214 281032912 28632912 - 86460 = 331.34512 DAY 331 .34512 x 24 = 8.28288 HR 8 .28388 860 = 16.97230 300 16 LAST LOSIVEL RECEAR STEP pres 7753.3086 - 24 = 331.38785 DAY 33/ .38785 * 34 = 9.308 40 MR 9 30840 X 60 = 18,50400 min 18

€ 66-075A-03C

Project 1054-7 Technical Note

Originator: Edyth M. Henderson

Date: April 20, 1971

Subject:

. Format of Parameter Hourly Averages Tape

This note describes the content and format of a tape which is produced by the Time Averaging Program. The tape contains averages of parameters within hourly time intervals. This is a 9 track non-labeled binary taps written with a density of 800 BPI. It is written with variable length un-blocked records.

Format of Parameter Hourly Averages Tape a. Header record - 14 words

		300
	S 11 - 1	130
. 0		730
A.		87603
1	113	

Word	Namo	Format	Description
1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IPSTRT	Integer	The starting time of data on this tape in seconds since the beginning of the year.
2	PSTOP	l_leger	The stop time of data on this tape in seconds since the beginning of the year.
3	NPION	Integer	Spacecraft ID or Pioneer number.
4	Spare In	teger word no	i presently being used.
3	NYEARI	Integer	The year corresponding to the time in word 1.
4 -	Spare in	eger word not	presently being used.
2	NYEARS	Integer	The year corresponding to the time in word 2.
6 - 12	Spare in	eger words no	t presently being used.

b. Data Record - variable length up to 53 words

Word	Name	Format	Description
3	HRTIME	Real	Mean time of the interval.
1	AN	Real	The number of points in the interval
3	NWHOUT	Integer	The number of parameter averages written in the record.

Words 4 through NWHOUT +3 contain parameter averages within the time interval. Each word corresponds to a given parameter as follows: All parameter averages are in real format.

BUL SQUARE "LIMIT - = 100

Format of Parameter Hourly Averages Tape a. Header record - 14 words

		365
- 0		1460
A.		87600
1	1/3	. /

Word	Name	Pormat	Description
	IPSTRT	Integer	 The starting time of data on this tape in seconds s'nce the beginning of the year.
2	PSTOP	1 deger	The stop time of data on this tape in seconds since the beginning of the year.
3	NPION	Integer	Spacecraft ID or Pioneer number.
4	Spare In	teger word not	presently being used.
3	NYBARI	Integer	The year corresponding to the time in word 4.
4 -	· Spare int	eger word not	presently being used.
7	NYEARS		The year corresponding to the time in word 2.
6 - 12	Spare int	eger words not	presently being used.

b. Data Record - variable length up to 53 words

Word	Name	Format	Description
3	HRTIME	Real	Mean time of the interval.
2	AN	Real	The number of points in the interval.
3	NWHOUT	Integer	The number of parameter averages written in the record.

Words 4 through NWHOUT +3 contain parameter averages within the time interval. Each word corresponds to a given parameter as follows: All parameter averages are in real format.

QUE SQUARE TURNIT = = 10.0