

DATA SET CATALOG # 92

PIONEER 6 AND 7
Superior Conjunction Faraday
Rotation

65-105A-08A

1 tape

66-075A-08A

1 tape

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

PIONEER 6 & 7

SUPERIOR CONJUNCTION FARADAY ROTATION

65-105A-08A

66-075A-08A

THESE DATA SETS HAVE BEEN RESTORED. ORIGINALLY THEY CONTAINED ONE 7-TRACK, 800 BPI TAPE WRITTEN IN BCD. THERE WERE TWO C TAPES MADE FROM THIS D TAPE. ONE C TAPE CONTAINED 680 RECORDS OF PIONEER 7 DATA, RECORD ONE BEING AN IDENTIFICATION RECORD. THE OTHER C TAPE CONTAINED 2789 RECORDS (THE DOCUMENTATION SHOWS THERE SHOULD HAVE BEEN 2788 RECORDS) OF PIONEER 6 DATA, THE LAST RECORD BEING THE LAST RECORD CARD. WHEN THE RESTORATION PROCESS TOOK PLACE THE D TAPE WAS BAD AND SO THE C TAPES WERE RESTORED AND RESULTED IN 2 FILES OF DATA. THERE IS ONE RESTORED TAPE, WRITTEN IN ASCII, WITH TWO FILES OF DATA. FILE ONE IS PIONEER 6 DATA AND FILE TWO IS PIONEER 7 DATA. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 7094 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005366	DS005366	D005017	1	10/12/66 - 11/24/66
			2	06/13/67 - 07/19/67

PIONEER 6 AND 7 SUPERIOR CONJUNCTION PARADAY ROTATION

65-105A-08A
66-075A-08A

Identification

Number: D-05017
 Density: 800
 Density: 800 NPI
 Number of Slices: 1
 Number of physical records: 3468
 Record description: 80 column card images
 Record length: 14 36-bit words

Description of Tape Contents

Record Number	Description
1	Identification record
2-650	Pioneer 7 data records
651-3467	Pioneer 6 data records
3468	Last record card

Description of Duplicated Tapes

The tape D-05017 has been duped using two tapes:
 C-04638 has records 1-650 which include the identification record and Pioneer 7 data.
 C-04637 has records 651-3468 which include the Pioneer 6 data and the last card record.
 The tape, density, record description, and record length are the same as for D-05017.

Card Formats

RECORD NUMBER 1 is a card which is punched "PIONEER 6 AND PIONEER 7 POLARIZATION REFERRED TO ECLIPTIC PLANE." Column one is blank.
 The last record is punched "LAST CARD."
 There are 3466 data cards which are numbered 0900-3465 in column 77-80. The meaning of the data is as follows:

Field	Format	Units	Meaning
1	F10.5	Days	Averaged time (of 200 seconds of data) in decimal days from launch.
2	F10.5	Deg.	Averaged polarization for this period
3	F10.5	Deg.	Standard deviation of field 2.
4	F10.5	Deg.	Same as field 1 except uses <u>all</u> input data (20 points).
5	F10.5	Deg.	Same as field 2 except uses <u>all</u> input data (20 points).
6	F10.5	Deg.	Standard deviation of field 5
7	F10	--	No. of averaged points used in fields 1 and 2.
8	F10	---	Data card number.