746

PIONEER 11

15-MIN INTERPLANETARY DATA, SFDU

73-019A-02D

Table of Contents

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

PIONEER 11

15-MIN INTERPLANETARY DATA, SFDU

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This data set consists of 2 magnetic tapes. The tapes were written on 9-track, 6250 bpi, in SFDU format, and can be read with the VAX COPY command in VMS directory format. The tapes are not labeled. The first two files on each tape contains the volume description and the file formats. These are followed by the data files. All data records are of the same length, 32256 ASCII characters or bytes per physical record. Each physical record contains 96 logical records of length 336 bytes. The D and C numbers and time span are as follows:

D#	C#	FILES HEADER/DATA	TIME SPAN
D-100501	C-031394	1-2/3-24	04/06/73 - 12/31/83
D-100502	C-031395	1-2/3-20	01/01/84 - 11/28/92

CMW031 DUPE OF D-100501/P11CP1
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START TIME = 1973/096	BLOCK 1	RECORD 12
STOP TIME = 1973/181	BLOCK 86	RECORD 96
START TIME = 1973/182	BLOCK 1	RECORD 1
STOP TIME = 1973/365	BLOCK 184	RECORD 93
START TIME = 1974/001	BLOCK 1	RECORD 1
STOP TIME = 1974/181	BLOCK 181	RECORD 96
START TIME = 1974/182	BLOCK 1	RECORD 1
STOP TIME = 1974/365	BLOCK 184	RECORD 95
START TIME = 1975/001	BLOCK 1	RECORD 1
STOP TIME = 1975/181	BLOCK 181	RECORD 96
START TIME = 1975/182	BLOCK 1	RECORD 1
STOP TIME = 1975/365	BLOCK 184	RECORD 83
START TIME = 1976/001	BLOCK 1	RECORD 20
STOP TIME = 1976/182	BLOCK 182	RECORD 69
START TIME = 1976/183	BLOCK 1	RECORD 50
STOP TIME = 1976/366	BLOCK 184	RECORD 30
START TIME = 1977/001	BLOCK 1	RECORD 72
STOP TIME = 1977/181	BLOCK 181	RECORD 96
START TIME = 1977/182	BLOCK 1	RECORD 1
STOP TIME = 1977/365	BLOCK 184	RECORD 74
START TIME = 1978/001	BLOCK 1	RECORD 78
STOP TIME = 1978/181	BLOCK 181	RECORD 52
START TIME = 1978/182	BLOCK 1	RECORD 29
STOP TIME = 1978/365	BLOCK 184	RECORD 39
START TIME = 1979/001	BLOCK 1	RECORD 23
STOP TIME = 1979/181	BLOCK 181	RECORD 96
START TIME = 1979/182	BLOCK 1	RECORD 1
STOP TIME = 1979/365	BLOCK 184	RECORD 64
START TIME = 1980/001	BLOCK 1	RECORD 29
STOP TIME = 1980/182	BLOCK 182	RECORD 96
START TIME = 1980/183	BLOCK 1	RECORD 1
STOP TIME = 1980/366	BLOCK 184	RECORD 77
START TIME = 1981/001	BLOCK 1	RECORD 1
STOP TIME = 1981/181	BLOCK 181	RECORD 96
START TIME = 1981/182	BLOCK 1	RECORD 1
STOP TIME = 1981/365	BLOCK 184	RECORD 94
START TIME = 1982/001	BLOCK 1	RECORD 6
STOP TIME = 1982/181	BLOCK 181	RECORD 90
START TIME = 1982/182	BLOCK 1	RECORD 19
STOP TIME = 1982/365	BLOCK 184	RECORD 84
START TIME = 1983/001	BLOCK 1	RECORD 9
STOP TIME = 1983/181	BLOCK 181	RECORD 88
START TIME = 1983/183	BLOCK 2	RECORD 34
STOP TIME = 1983/365	BLOCK 184	RECORD 50

F11CP2 = DUPE OF D-100502
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START TIME = 1984/001	BLOCK 1	RECORD 74	? F3
STOP TIME = 1984/182	BLOCK 182	RECORD 69	
START TIME = 1984/183	BLOCK 1	RECORD 66	
STOP TIME = 1984/366	BLOCK 184	RECORD 95	
START TIME = 1985/001	BLOCK 1	RECORD 13	
STOP TIME = 1985/181	BLOCK 181	RECORD 48	
START TIME = 1985/182	BLOCK 1	RECORD 26	
STOP TIME = 1985/365	BLOCK 184	RECORD 59	
START TIME = 1986/002	BLOCK 2	RECORD 43	
STOP TIME = 1986/180	BLOCK 180	RECORD 56	
START TIME = 1986/182	BLOCK 1	RECORD 3	
STOP TIME = 1986/365	BLOCK 184	RECORD 77	
START TIME = 1987/003	BLOCK 3	RECORD 51	
STOP TIME = 1987/181	BLOCK 181	RECORD 95	
START TIME = 1987/183	BLOCK 2	RECORD 92	
STOP TIME = 1987/365	BLOCK 184	RECORD 95	
START TIME = 1988/001	BLOCK 1	RECORD 1	
STOP TIME = 1988/181	BLOCK 181	RECORD 92	
START TIME = 1988/184	BLOCK 2	RECORD 21	
STOP TIME = 1988/364	BLOCK 182	RECORD 77	
START TIME = 1989/001	BLOCK 1	RECORD 66	
STOP TIME = 1989/181	BLOCK 181	RECORD 94	
START TIME = 1989/184	BLOCK 3	RECORD 23	
STOP TIME = 1989/365	BLOCK 184	RECORD 95	
START TIME = 1990/001	BLOCK 1	RECORD 1	
STOP TIME = 1990/178	BLOCK 178	RECORD 39	
START TIME = 1990/184	BLOCK 3	RECORD 35	
STOP TIME = 1990/365	BLOCK 184	RECORD 31	
START TIME = 1991/001	BLOCK 1	RECORD 62	
STOP TIME = 1991/181	BLOCK 181	RECORD 53	
START TIME = 1991/182	BLOCK 1	RECORD 2	
STOP TIME = 1991/305	BLOCK 124	RECORD 19	
START TIME = 1992/154	BLOCK 154	RECORD 20	
STOP TIME = 1992/182	BLOCK 182	RECORD 86	
START TIME = 1992/215	BLOCK 33	RECORD 17	? F20
STOP TIME = 1992/333	BLOCK 151	RECORD 58	

November, 28th

The University of Chicago
Laboratory for Astrophysics and Space Research

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Chicago IL 60637

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Date: April 1, 1993

Dr John Cooper
S. T. Systems Corp.
7601 Ora Glenn Drive
Greenbelt MD 20771

Dear John;

I am sending you today two (2) magnetic tapes containing the University of Chicago Pioneer-11 Charged Particle Instrument archive data from launch through 1992. This completes the initial submission of the Cruise-Mode Archive Data for this instrument as agreed by the Pioneer Principal Investigators. Additions to this dataset will be made approximately annually as new data becomes available.

The two tape volumes are identified as follows; for the first volume:

Vol_Ident: USA_NASA_NSSD_P11B_0001
Data_Set_Name: Pioneer 11 CPI Cruise Data Archive
Data_Source: Pioneer 11 Charged Particle Instrument
Vol_Time_Coverage: 1973-04-06 to 1983-12-31

and for the second volume:

Vol_Ident: USA_NASA_NSSD_P11B_0002
Data_Set_Name: Pioneer 11 CPI Cruise Data Archive
Data_Source: Pioneer 11 Charged Particle Instrument
Vol_Time_Coverage: 1984-01-01 to 1992-12-31

Sincerely

Gordon A. Lentz
Manager, Data Systems

Cc: J. Simpson
C. Lopate
C. Sethuramen

DSC # 140
73-019A-02D

CCSD3ZF0000100000001CCSD3VS00002MRK**001

l_Ident: USA_NASA_NSSD_P11B_0001

Vol_Creation_Date: 1993-03-29

Medium_Description: 1/2 inch, 9 track, 6250 bpi magnetic tape, unlabeled

Technical_Contact:

Gordon A. Lentz
University of Chicago
Enrico Fermi Institute
Laboratory for Astrophysics and Space Research
933 E. 56th Street
Chicago, IL 60637
Telephone: (312) 702-7836
E-Mail: (NSI/DECnet) LASR::LENTZ
: (Internet) lentz@odysseus.uchicago.edu

Prev_Vols: none

CCSD$$MARKERMRK**001CCSD3SS00002MRK**002

Data_Set_Name: Pioneer 11 CPI Cruise Data Archive

Data_Source: Pioneer 11 Charged Particle Instrument

Scientific_Contact:

Prof. John A. Simpson
University of Chicago
Enrico Fermi Institute
Laboratory for Astrophysics and Space Research
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Chicago, IL 60637
Telephone: (312) 702-7670

Spacecraft_Characteristics: The Pioneer 10 and 11 spacecraft are near-twin
spacecraft which were launched toward Jupiter about a year apart with differen'
closest-approach radii at the respective encounters, and differing post-
encounter trajectories. Pioneer 10 was launched on March 3, 1972, and
encountered Jupiter in December, 1973. Since the encounter, it has been on an
escape trajectory from the solar system, and at the end of 1991 it was at a
distance of about 53 AU from the sun, a celestial latitude of +3 degrees, and
celestial longitude (measured eastward from the vernal equinox) of 73 degrees.
Pioneer 11 was launched April 5, 1973 and encountered Jupiter in December 1974
Its post-encounter trajectory was chosen so that it would encounter Saturn som
5 years later; this encounter took place successfully in August-September 1979
At the end of 1991 Pioneer 11 was at a radial distance of 35 AU, a celestial
latitude of +17 degrees and a celestial longitude of -95 degrees. Both
spacecraft were instrumented with a full suite of instruments for fields and
particles, including magnetometer, plasma sensors. and four energetic particle
and cosmic ray instruments. Other instruments included an ultraviolet
photometer, infrared photometer, imaging photopolarimeter, and micrometeoroid
detector. The spacecraft are spin stabilized, with the spin axis oriented
toward the earth.

(More from the data set)