

#328

INTERPLANETARY PLASMA
MULTISAT PRE DATA BOOK
SZ-11A

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

RAND NO#
RC4716

ACQ. AGENT
JHK

INTERPLANETARY PLASMA
MULTISAT PRE DATA BOOK
SZ-11A

This data set consists of 1 Interplanetary Plasma data tape. The tape is 1600 BPI, Binary, 9-track, 1 file and was created on the IBM/360 computer.

The tape contains Interplanetary Plasma data for the following satellites.

D-22600

C-17361

SATELLITE

TIME SPAN

EXPLORER 33

7/06/66 - 9/26/69

EXPLORER 35

7/25/67 - 7/03/68

IMP I

3/18/71 - 7/06/72

OGO 5

3/05/68 - 4/30/71

VELA 3A

7/26/65 - 12/06/67

VELA 3B

7/26/65 - 12/06/67

FORMAT FOR INTERPLANETARY PLASMA DATA TAPE

The tape contains data from Explorer 33, Explorer 35, IMP 6, and VELA 3A + 3B. The data are in IBM 360 binary format. The tape is 9 track, 1600 bpi, with spanned variable-blocked record format. The logical record length is 80 bytes, including a 4 byte segment descriptor word and nineteen 4 byte data words. The blocksize is 32004 bytes.

```
//GO.FT10F001 DD UNIT=9TRACK,LABEL=(,NL),VOL=SER=JJXXXX,
// DCB=(RECFM=VBS,LRECL=80,BLKSIZE=32004,DEN=3),DISP=(NEW,KEEP),
```

FORMAT OF TAPE

<u>DATA ITEM</u>	<u>BYTE NO.</u>	<u>DATA TYPE</u>
Spacecraft Identification	1- 4	I*4
Spacecraft Identification	5- 8	I*4
Decimal Day of the year	9-12	R*4
Hour of the day	13-16	I*4
Day of the month*	17-20	I*4
Month name*	21-24	A4
Year	25-28	I*4
1) Average thermal speed	29-32	R*4
2) Average number density	33-36	R*4
3) Avg. flow speed with aberration removed	37-40	R*4
4) Avg. solar ecliptic longitude*	41-44	R*4
5) Avg. solar ecliptic latitude*	45-48	R*4
Standard deviation of 1**	49-52	R*4
Standard deviation of 2**	53-56	R*4
Standard deviation of 3**	57-60	R*4

<u>DATA ITEM</u>	<u>BYTE NO.</u>	<u>DATA TYPE</u>
Standard deviation of 4 ⁺ *	61-64	R*4
Standard deviation of 5 ⁺ *	65-68	R*4
Number of solar wind measurements in the hourly average ^o	69-72	I*4
Solar rotation number ^{++o}	73-76	R*4

+ For IMP-6 contains blanks

* For OGO-5 contains blanks

o For Vela contains blanks

SPACECRAFT ID's

Explorer 33	33
Explorer 35	35
IMP I	43
OGO 5	5
VELA 3A, 3B	3

IEF285I VOL SER NOS= K3SCR3.
IEF373I STEP /LINK / START 75323.1955
IEF374I STEP /LINK / STOP 75323.1956 CPU 0MIN 01.52SEC MAIN 130K LCS 0K
- STEP 02 - RETURN CODE = 0000
STEP TIME = .20 MINS=(CPU=.02,IO=.18)
IO IN SECS. DISK= 10.40,DRUM=.55,TAPE=.00,CELL=.00,OTHR=.17
XXGO EXEC PGM=*.LINK.SYSLMOD,COND=(4,LT),REGION=70K
XXFT05F001 DD DDNAME=DATA5 00000230
XXFT06F001 DD SYSOUT=OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=8BLKSIZE) 00000240
IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265) 00000250
XXFT07F001 DD SYSOUT=B,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80) 00000260
XXSYSPRINT DD SYSOUT=OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=8BLKSIZE), 00000270
IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
XX SPACE=(CYL,(0,1)),UNIT=(DISK,3) 00000280
//GO.FT08F001 DD UNIT=9TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
// DCB=(BLKSIZE=32004,RECFM=U,DEN=3),
// VOL=SER=JJ0005
//GO.DATA5 DD *
//

IEF236I ALLOC. FOR YZJRJJP3 GO
IEF237I 231 ALLOCATED TO PGM=*.DD
IEF237I 231 ALLOCATED TO FT05F001
IEF237I 331 ALLOCATED TO FT06F001
IEF237I 331 ALLOCATED TO FT07F001
IEF237I 332 ALLOCATED TO SYSPRINT
IEF237I 231 ALLOCATED TO SYSPRINT
IEF237I 232 ALLOCATED TO SYSPRINT
IEF237I 0C3 ALLOCATED TO FT08F001

SZ-11A
INTERPLANETARY PLASMA
7/26/65 - 7/26/72

day 0 = Jan 1

RECORD 1 OF FILE 1
LENGTH = 32004 BYTES

Day of year

year

7D040000	00500000	00000003	00000003	42CE0000	00000001	0000001A	D1E4D340	00000041	42388000
417947AE	43168B33	C137851E	40404040	41A33333	411A8F5C	41999999	411828F5	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000002	0000001A	D1E4D340	00000041	42388000
417947AE	43168B33	C137851E	40404040	41A33333	411A8F5C	41999999	411828F5	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000003	0000001A	D1E4D340	00000041	42388000
417947AE	43168B33	C137851E	40404040	41A33333	411A8F5C	41999999	411828F5	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000004	0000001A	D1E4D340	00000041	423A9999
418947AE	43170B33	C15D1EB8	40404040	42136666	40F0A3D7	41799999	40BAE147	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000005	0000001A	D1E4D340	00000041	423A9999
418947AE	43170B33	C15D1EB8	40404040	42136666	40F0A3D7	41799999	40BAE147	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000006	0000001A	D1E4D340	00000041	423A9999
418947AE	43170B33	C15D1EB8	40404040	42136666	40F0A3D7	41799999	40BAE147	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000007	0000001A	D1E4D340	00000041	422C6666
417E8F5C	4316E999	C15EB851	40404040	41433333	40AB851E	41600000	4087AE14	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000008	0000001A	D1E4D340	00000041	422C6666
417E8F5C	4316E999	C15EB851	40404040	41433333	40AB851E	41600000	4087AE14	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000009	0000001A	D1E4D340	00000041	422C6666
417E8F5C	4316E999	C15EB851	40404040	41433333	40AB851E	41600000	4087AE14	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	0000000A	0000001A	D1E4D340	00000041	42284CCC
4188A3D7	43160800	C14E147A	40404040	418E6666	4114F5C2	41CB3333	41191EB8	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	0000000B	0000001A	D1E4D340	00000041	42284CCC
4188A3D7	43160800	C14E147A	40404040	418E6666	4114F5C2	41CB3333	41191EB8	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	0000000C	0000001A	D1E4D340	00000041	42284CCC
4188A3D7	43160800	C14E147A	40404040	418E6666	4114F5C2	41CB3333	41191EB8	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	0000000D	0000001A	D1E4D340	00000041	42298000
41863D70	43152333	C1487AE1	40404040	4174CCCC	411170A3	41766666	41207AE1	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	0000000E	0000001A	D1E4D340	00000041	42298000
41863D70	43152333	C1487AE1	40404040	4174CCCC	411170A3	41766666	41207AE1	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	0000000F	0000001A	D1E4D340	00000041	42298000
41863D70	43152333	C1487AE1	40404040	4174CCCC	411170A3	41766666	41207AE1	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000010	0000001A	D1E4D340	00000041	42259999
41A3D70A	43144666	C1587AE1	40404040	41633333	41126666	41299999	411451E3	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000011	0000001A	D1E4D340	00000041	42259999
41A3D70A	43144666	C1587AE1	40404040	41633333	41126666	41299999	411451EB	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000012	0000001A	D1E4D340	00000041	42259999
41A3D70A	43144666	C1587AE1	40404040	41633333	41126666	41299999	411451EB	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000013	0000001A	D1E4D340	00000041	42249999
41A1C28F	4313EB33	C1533333	40404040	41C33333	4126147A	41866666	4117AE14	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000014	0000001A	D1E4D340	00000041	42249999
41A1C28F	4313EB33	C1533333	40404040	41C33333	4126147A	41866666	4117AE14	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000015	0000001A	D1E4D340	00000041	42249999
41A1C28F	4313EB33	C1533333	40404040	41C33333	4126147A	41866666	4117AE14	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000016	0000001A	D1E4D340	00000041	42214CCC

41A23D70	43139000	C166E147	40404040	41819999	4119C28F	41433333	405C28F5	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000017	0000001A	D1E4D340	00000041	42214CCC
41A23D70	43139000	C166E147	40404040	41819999	4119C28F	41433333	405C28F5	40404040	40404040
40404040	00500000	00000003	00000003	42CE0000	00000018	0000001A	D1E4D340	00000041	42214CCC
41A23D70	43139000	C166E147	40404040	41819999	4119C28F	41433333	405C28F5	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000001	0000001B	D1E4D340	00000041	421FE666
41F3D70A	43134833	C15E3D70	40404040	418CCCCC	4141C28F	415CCCCC	411D9999	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000002	0000001B	D1E4D340	00000041	421FE666
41F3D70A	43134833	C15E3D70	40404040	418CCCCC	4141C28F	415CCCCC	411D9999	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000003	0000001B	D1E4D340	00000041	421FE666
41F3D70A	43134833	C15E3D70	40404040	418CCCCC	4141C28F	415CCCCC	411D9999	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000004	0000001B	D1E4D340	00000041	421E9999
4214AB85	43137000	C17B3333	40404040	4144CCCC	41287AE1	41380000	40A3D70A	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000005	0000001B	D1E4D340	00000041	421E9999
4214AB85	43137000	C17B3333	40404040	4144CCCC	41287AE1	41380000	40A3D70A	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000006	0000001B	D1E4D340	00000041	421E9999
4214AB85	43137000	C17B3333	40404040	4144CCCC	41287AE1	41380000	40A3D70A	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000007	0000001B	D1E4D340	00000041	4221B333
421F147A	43145800	C17147AE	40404040	417B3333	416A3D70	4144CCCC	411A6666	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000008	0000001B	D1E4D340	00000041	4221B333
421F147A	43145800	C17147AE	40404040	417B3333	416A3D70	4144CCCC	411A6666	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	00000009	0000001B	D1E4D340	00000041	4221B333
421F147A	43145800	C17147AE	40404040	417B3333	416A3D70	4144CCCC	411A6666	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	0000000A	0000001B	D1E4D340	00000041	422EE666
4215E8F5	4315D999	C158CCCC	40404040	42123333	412947AE	4184CCCC	411E147A	40404040	40404040
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4215E8F5	4315D999	C158CCCC	40404040	42123333	412947AE	4184CCCC	411E147A	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	0000000C	0000001B	D1E4D340	00000041	422EE666
4215E8F5	4315D999	C158CCCC	40404040	42123333	412947AE	4184CCCC	411E147A	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000	0000000D	0000001B	D1E4D340	00000041	42B3E666
4212E8F5	43181199	408F5C20	40404040	422EB333	41333333	42180000	411DEB85	40404040	40404040
40404040	00500000	00000003	00000003	42CF0000					

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41D59999	431BD999	C14051EB	40404040	421A8000	4123851E	41419999	40C51EB8	40404040	40404040
40404040	00500000	00000003	00000003	42EA0000	00000015	00000017	C1E4C740	00000041	42A8CCCC
41D59999	431BD999	C14051EB	40404040	421A8000	4123851E	41419999	40C51EB8	40404040	40404040
40404040	00500000	00000003	00000003	42EA0000	00000016	00000017	C1E4C740	00000041	42E11999
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40404040	00500000	00000003	00000003	42EA0000	00000017	00000017	C1E4C740	00000041	42E11999
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41887AE1	43200800	4070A3D0	40404040	00000000	00000000	00000000	00000000	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000001	00000018	C1E4C740	00000041	42D9B333
41863D70	43202333	41173333	40404040	42256666	411E3D70	41FC6CCC	411547AE	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000002	00000018	C1E4C740	00000041	42D9B333
41863D70	43202333	41173333	40404040	42256666	411E3D70	41FC6CCC	411547AE	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000003	00000018	C1E4C740	00000041	42D9B333
41863D70	43202333	41173333	40404040	42256666	411E3D70	41FC6CCC	411547AE	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000004	00000018	C1E4C740	00000041	42B33333
417547AE	43209333	4134F5C2	40404040	421A4CCC	4115EB85	41919999	4116B851	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000005	00000018	C1E4C740	00000041	42B33333
417547AE	43209333	4134F5C2	40404040	421A4CCC	4115EB85	41919999	4116B851	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000006	00000018	C1E4C740	00000041	42B33333
417547AE	43209333	4134F5C2	40404040	421A4CCC	4115EB85	41919999	4116B851	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000007	00000018	C1E4C740	00000041	429ACCCC
41551EB8	4320F000	413547AE	40404040	421E0000	40A3D70A	4211CCCC	41291EB8	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000008	00000018	C1E4C740	00000041	429ACCCC
41551EB8	4320F000	413547AE	40404040	421E0000	40A3D70A	4211CCCC	41291EB8	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	00000009	00000018	C1E4C740	00000041	429ACCCC
41551EB8	4320F000	413547AE	40404040	421E0000	40A3D70A	4211CCCC	41291EB8	40404040	40404040
40404040	00500000	00000003	00000003	42EB0000	0000000A	00000018	C1E4C740	00000041	4285B333
41568F5C	431F2199	411547AE	40404040	4213B333	40AE147A	4210E666	41247AE1	40404040	40404040
40404040	00500000	00000003	00						

40404040	00500000	00000003	00000003	42ED0000	00000012	0000001A	C1E4C740	00000041	427D8000
41430A3D	431F8666	C169C28F	40404040	41BE6666	40400000	4184CCCC	40F0A3D7	40404040	40404040
40404040	00500000	00000003	00000003	42ED0000	00000013	0000001A	C1E4C740	00000041	428FCCCC
414947AE	43200199	C183AE14	40404040	4214B333	40A3D70A	4194CCCC	41119999	40404040	40404040
40404040	00500000	00000003	00000003	42ED0000	00000014	0000001A	C1E4C740	00000041	428FCCCC
414947AE	43200199	C183AE14	40404040	4214B333	40A3D70A	4194CCCC	41119999	40404040	40404040
40404040	00500000	00000003	00000003	42ED0000	00000015	0000001A	C1E4C740	00000041	428FCCCC
414947AE	43200199	C183AE14	40404040	4214B333	40A3D70A	4194CCCC	41119999	40404040	40404040
40404040	00500000	00000003	00000003	42EE0000	00000001	0000001B	C1E4C740	00000041	42958000
414CF5C2	431F3833	C16F3333	40404040	421D8000	41107AE1	41F99999	4140CCCC	40404040	40404040
40404040	00500000	00000003	00000003	42EE0000	00000002	0000001B	C1E4C740	00000041	42958000
414CF5C2	431F3833	C16F3333	40404040	421D8000	41107AE1	41F99999	4140CCCC	40404040	40404040
40404040	00500000	00000003	00000003	42EE0000	00000003	0000001B	C1E4C740	00000041	42958000
414CF5C2	431F3833	C16F3333	40404040	421D8000	41107AE1	41F99999	4140CCCC	40404040	40404040
40404040	00500000	00000003	00000003	42EE0000	00000004	0000001B	C1E4C740	00000041	42786666
41459999	431F1833	C1580000	40404040	42150000	40C51EB8	41F00000	41383333	40404040	40404040
40404040									

RECORD 68 OF FILE 1
LENGTH = 484 BYTES

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416D8B4D	432118A9	40404040	40404040	40404040	40404040	40404040	40404040	40404040	0000001C
40404040	00500000	0000002B	0000002B	42CF0000	00000004	0000001A	D1E4D340	00000048	4525A314
416A6033	432230F5	40404040	40404040	40404040	40404040	40404040	40404040	40404040	0000001D
40404040	00500000	0000002B	0000002B	42CF0000	00000005	0000001A	D1E4D340	00000048	452E7D8E
4169FB33	43222D99	40404040	40404040	40404040	40404040	40404040	40404040	40404040	0000001A
40404040	00500000	0000002B	0000002B	42CF0000	00000006	0000001A	D1E4D340	00000048	45252B36
415DF243	4322151C	40404040	40404040	40404040	40404040	40404040	40404040	40404040	0000001D
40404040	00500000	0000002B	0000002B	42CF0000	00000007	0000001A	D1E4D340	00000048	452C6A2F
4157480A	4323190C	40404040	40404040	40404040	40404040	40404040	40404040	40404040	0000001A
40404040	00500000	0000002B	0000002B	42CF0000	00000008	0000001A	D1E4D340	00000048	453B42C0
4168C7A4	4322113A	40404040	40404040	40404040	40404040	40404040	40404040	40404040	0000000A
40404040									

68 RECORDS IN FILE 1 OF TAPE

IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS75323.T171714.RV000.YZJRJJP3.LODMOD PASSED
IEF285I VOL SER NOS= K3SCR2.
IEF285I SYS75323.T171714.RV000.YZJRJJP3.S0000131 SYSIN
IEF285I VOL SER NOS= K3SCR2.
IEF285I SYS75323.T171714.RV000.YZJRJJP3.S0000131 DELETED
IEF285I VOL SER NOS= K3SCR2.
IEF285I SYS75323.T171714.SV000.YZJRJJP3.R0000127 SYSOUT
IEF285I VOL SER NOS= K3SCR4.
IEF285I SYS75323.T171714.SV000.YZJRJJP3.R0000128 DELETED
IEF285I VOL SER NOS= K3SCR4.
IEF285I SYS75323.T171714.SV000.YZJRJJP3.R0000129 DELETED
IEF285I VOL SER NOS= K3SCR5.
IEF285I SYS75323.T171714.RV000.YZJRJJP3.R0000130 KEPT
IEF285I VOL SER NOS= JJ0005.
IEF280E K 0C3.JJ0005.YZJRJJP3.GO
IEF373I STEP /GO / START 75323.1956
IEF374I STEP /GO / STOP 75323.1958 CPU 0MIN 03.27SEC MAIN 186K LCS OK

- STEP 03 - RETURN CODE = 0000
IO IN SECS. DISK= 2.15, DRUM= .34, TAPE= 1.45, CELL= .05, IO= .06)
IEF285I SYS75323.T171714.RV000.YZJRJJP3.LODMOD DELETED
IEF285I VOL SER NOS= K3SCR2.
IEF375I JOB /YZJRJJP3/ START 75323.1947
IEF376I JOB /YZJRJJP3/ STOP 75323.1958 CPU 0MIN 06.18SEC
- SYSTEM=MVT-21 (11-21-73) K3
TOTAL TIME = .38 MINS=(CPU= .10, IO= .28)
- JOB 0439-
IO IN SECS. DISK= 13.07, DRUM= 1.06, TAPE= 2.92, CELL= .00, OTHR= .35

THERE WERE 03 TAPES MOUNTED FOR THIS JOB. TAPE MOUNT CHARGE WAS 00.0 MINUTES.