

#693

IMP-B

20 SEC. MAG. VECTORS TAPE

64-060A-02F

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

IMP-B

20 SEC. MAG. VECTORS TAPE

64-060A-02F SPMS-00634

This data set consists of 2 6250 BPI, binary, multi-filed 9 track magnetic tapes produced on the IBM 3081. Record 1774 of file 2 of D-82821 has a non-conforming blocksize and about two-thirds of that record contains questionable data.

D#	C#	ORBITS	FILES	TIME SPAN
D-82821	C-28011	1 - 20	1	10/04/64 - 11/02/64
		20 - 40	2	10/31/64 - 11/30/64
		54 - 74	3	12/20/64 - 01/18/65
D-82822	C-28012	75 - 89	1	01/19/65 - 02/09/65
		100 - 127	2	03/07/65 - 04/05/65

IMP B

Format for "FLUXGO" Binary Output Tape - 103 Words

WORD		DEFINITION
1	IYR	Year
2	IDY	Day of Year (Jan. 1 = Day 1 etc.)
3	ISTA	Station ID
4	ITAPE	Tape No.
5	IMON	Month
6	IDAY	Day of Month (not always reliable)
7	IHR	Hour
8	IMIN	Min
9	SEC	Seconds
10	SEQ	Sequence Number
11	FLDGM	F, θ and ϕ of theoretical field in solar magnetic coordinates.
12	THIGM	
13	PHIGM	
14	RAD	Radial distance of Sat. in R_E (geocentric)
15	GMSS	Geomagnetic latitude of the sun
16-18	SATSE (3)	X,Y,Z Satellite position in solar ecliptic coordinates
19	SELSEP	Solar ecliptic longitude of sat ($\tan^{-1} Y/X$ $0^\circ-360^\circ$)
20-22	SATSM	X,Y,Z Satellite position in solar magnetospheric coordinates
23	SMLSEP	Solar magnetospheric longitude of Sat.
24-26	SATGM (3)	X,Y,Z, Satellite position in solar magnetic coordinates
27	GMLSEP	Solar magnetic longitude of sat.
28 ⁴⁷	IFRM	Frame Number
29 ⁷⁸	F	Experimental field magnitude
30	THASE	Solar ecliptic field
31	PHISE	
32	FXSE	
33	FYSE	
34	FZSE	Solar Magnetospheric field
35	THASM	
36	PHISM	
37	FXSM	
38	FYSM	Solar Magnetic Field
39	FZSM	
40	THAGM	
41	PHIGM	
42	FXGM	Solar Magnetic Field
43	FYGM	
44	FZGM	
45	NBX	
46	RMSE	Number of bad points Root mean square error calculated from spin modulated detector output.

Words 28-45 are repeated 3 more times corresponding to the 4 frames of each sequence.

This tape can be read with the read statement

```
READ (11) IYR, IDY, ISTA, ITAPE, IMON, IDAY, IHR, IMIN,  
SEC, SEQ, FLDGM, THTGM, PHIGM, RAD, GMSS, (SATSE (L),  
L=1,3), SELSEP, (SATSM (L), L=1,3), SMLSEP, (SATGM (L),  
L=1,3), GMLSEP, (IFRM (K), FBAR (K), (THIA (K,I), PHI  
(K,I) XGM (K,I), YGM (K,I), ZGM (K,I), I=1,3), NBX (K)  
RMSE (K), K=1,4)
```


DUMP OF TAPE LIZA

64-060A-02F IMP-B

D 82821

INPUT TAPE LIZA ON HT
DATA INPUT H9 NF=3 FL=1=1=1 FL=2=1=1 FL=3=1=1

FILE	1	RECORD	1975	LENGTH	416	BYTES
()	11	19C	00000000	00000010	00000001	00000000
(4)	423407F	44885324	415BD1F	42105CC5	4110D6EE	C1FEFF2F
(8)	C114EE8	C024B01F	40383D53	42BC00DD	C0EB75A8	C024B01F
(12)	412E3F73	42E0C939	C311318C	C31B4A1B	421ACEAB	421AE2DA
(16)	421D4657	42F1A983	C2D5F32D	C318CB90	42FCAE45	42180012
(20)	420EE696	C2217E45	C21F1FF4	421ADBFA	422B5750	42D1B842
(24)	42DCB881	C2163656	C2131EA1	422C316D	00000000	00000000
(28)	C31C151D	C317DE8A	41D1986	41EF4BB4	42CA167A	C31C051D
(32)	C318557D	C315E963	431D494	00000012	41F99999	0000000F
(36)	C21F1FF4	421ADBFA	422B5750	42D1B842	C2217E45	C2131EA1
(40)	C2131EA1	422C316D	00000000	00000000		

Oct 4 1964

file 1

FILE	1	RECORD	1975	LENGTH	416	BYTES
()	11	19C	00000000	00000011	00000009	00000000
(4)	44772400	434E2345	42393564	42C8F199	41302A1D	C214BE15
(8)	41262140	41F86A1F	4119C0E7	4216284E	412C829B	40F86A1F
(12)	42191788	42568930	41722DEE	4275E356	42374DB7	421129A8
(16)	41EDDF2	4250BB08	42144D8F	427C6634	422175F1	0000001A
(20)	42C6AF0B	C22B34C5	C1F9D197	421A720A	42205983	42C20EC3
(24)	42C794CB	C21E6A11	C1AD19EE	4229AF4F	00000000	00000000
(28)	C217567	422E48BB	C216CE50	C225966	426F142R	C217567
(32)	C219A844	422AB33F	C21546E4	0000001A	A0000000	0000000F
(36)	C1E9D897	421A721A	4225983	42C20EC3	C22B34C5	C1AD19EE
(40)	C1AD19EE	4229AF4F	00000000	00000000		

NOV 2 1964

FILE	INPUT RECS.	DATA INPUT RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
1	1975	19751	416	PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
				0	0	0	0	0	0

FILE	2	RECORD	19911	LENGTH	416	BYTES
()	11	19C	00000000	00000014	00000010	00000005
(4)	44713200	43633C1F	42276A7D	42D6F034	412C3A03	C14B6713
(8)	412D921	4117A2C4	4111D794	4223BCA9	412233F6	4117A2C4
(12)	421B79C	42CA06C	C2514C8D	C221D994	42209952	42220C8E
(16)	4226B9C7	42BB4F23	C24C7A4F	C19CF441	423DD43B	00000012
(20)	42C7CACF	C22B0BCD	C1F7DB7B	421A3481	42231F1F	42B76FD7
(24)	42B7A91F	C2286895	C1295D82	4221C422	00000000	00000000
(28)	C251EDB3	C22158B3	422DAFB0	4221F8D0	42BB1C17	C251EDB3
(32)	C24D14BA	C1A38164	423E2C88	00000012	40999999	0000000F
(36)	C1F7DB7B	421A3481	42231F1F	42B76FD7	C22B0BCD	C1295D82
(40)	C1295D82	4221C422	00000000	00000000		

Oct 31 1964

file 2

FILE	2	RECORD	19911	LENGTH	416	BYTES
()	11	19C	00000000	00000014	00000010	00000005
(4)	44EC21	418FF10	423D3377	43131E17	41F3F03E	C2183928
(8)	41949AD4	C1C04489	411558E3	43133B34	4193477F	C1C04489
(12)	C219B8C3	4235A5D2	415D4BA4	417EC390	C14BD293	C22A1435
(16)	C2381FE6	4243A413	4125CB42	415A0ED8	C1510CCB	00000000
(20)	431E71	C1177641	C1FEE0B	C1D0E8A	C2150B39	431095C1
(24)	4311233	C145C776	C2131994	C161E9F0	00000000	41300000
(28)	41C1BF72	C1261D18	C1FF034F	C22BCA48	43146524	41C1BF72
(32)	4151036	C1811B9F	C211B992	00000000	40CCCC00	00000000
(36)	C1B11FC	C17E266A	C1C5AEFA	43123B6	C12E8787	C1C0D18E
(40)	C1D018E	C118C2AC	00000000	411E6666		

NOV 30 1964

FILE	INPUT RECS.	DATA INPUT RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
2	19911	19912	465	PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
				0	0	0	0	0	0

FILE	3	RECORD	1	LENGTH	35-	416BYTES						
()		010 C19C	00000040	00000163	00000010	00000003	00000000	00000014	00000002	00000001	421F6F1A	
(4)		441DEE	4212E029	417E FBF	42FD6912	41C152E9	C2205C88	40F19CF2	C1891013	C15E7592	43112AA2	
(8)		4 F19DF2	C1AA8417	C176B9 3	431139F8	C132CAAE	C1AA8417	C16C5D09	42FD699A	00000003	42245D91	
(12)		C1C14A10	42DD5E03	C2184A18	C2180808	C07AAD40	C15E6D84	42D0066B	C21B4A18	C217BE56	C138D3C1	
(16)		42125989	42DF768F	C2191D6F	C217BE56	41E72CE7	00000002	41115999	00000007	4222F0B7	C0C03006	
(20)		42DD8D4	C21A2524	C2172C6E	C07EF410	C15FA7F5	42DC341E	C21A2524	C216E431	C13A2A4C	4212366F	
(24)		42DF9B59	C2180848	C216E431	41AE89EA	00000000	40800000	00000008	4223AE06	C14C1C8D	42D9E02A	
(28)		C21C1841	C215DA28	C127E444	C18C47E0	42D92E75	C21C1840	C2154F99	C1570436	4211054E	42DAA7E0	
(32)		C21AA46C	C2154F99	41A71B A	00000000	40E33333	0000000F	4223E4DA	C13A5EBA	42E0C9EE	C219651D	
(36)		C2194383	C1248AD1	C192 E67	42E03A2F	C219651D	C218B822	C15B1CE7	41 E29 CFB	42E1419C	C2187FB6	
(40)		C218B822	418C863A	00000000	40B33333							

DEC 20 1964

File 3

JAN 18, 1965

FILE	3	RECORD	20861	LENGTH	416BYTES							
()		410119C	00000040	00000112	00000008	00000123	00000001	00000012	0000000E	00000038	4227C51E	
(4)		4497BC	418A34B3	423E76B2	4310443A	41E1019D	C1A1398A	C121F541	C1CCA22B	C112CED0	4310549E	
(8)		C121F541	C1DA5FF3	C12A4641	43105292	C128D4A9	C1DA5FF3	C123AE51	4310368B	00000003	4217219D	
(12)		4232DA14	42CB5D1D	C1D67F47	C15CA947	4211F04C	42301D05	42D1C433	C1C67F47	C17AAD93	42113873	
(16)		42388D4E	42D8F812	C1A2FB2B	C17AAD93	42134CE9	00000000	40B33333	00000007	42176DC9	422ED021	
(20)		42C846F3	C1F0A632	C158E929	42111522	422C6811	42CE05C8	C1F0A632	C1757DC1	421064EB	4235406C	
(24)		42D39759	C1BF0AFC	C1757DC1	4212C5DB	00000000	40666666	00000008	42166A64	4229CB0C	42C9AA26	
(28)		C1F8811B	C162B72C	41EF7578	42274C96	42CE714B	C1F8811B	C17B5714	41E3285D	423024FA	42C317FD	
(32)		C1CCE042	C17B9714	421 B220	00000000	40800000	0000000F	4216E103	422A3ADC	42C801CA	C1FEB1E2	
(36)		C15CBCE1	41F608B3	4227E428	42CCEE45	C1FEB1E2	C176648F	41EAC4AF	4230DDB2	42D172FC	C1D1B0B4	
(40)		C176648F	42113859	00000000	40959999							

FILE	INPLT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
	RECS.	INPUT	SIZE	PERM	ZERC	B	S-CRT	UNDEF.	#RECS. TOTAL#
3	20861	20862	416	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 3 # OF PERMANENT READ ERRORS 0

START TIME 3/15/91 1:20:39 STOP TIME 3/15/91 01:28:22