#693

IMP-B

20 SEC. MAG. VECTORS TAPE

64-060A-02F

IMP-B

20 SEC. MAG. VECTORS TAPE

64-060A-02F

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
		108 - 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 Ø of theoretical
12	THTGM	field in solar magnetic
13	PHIGM	coordinates.
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°-360°)
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	IFRM	Frame Number
29	F	Experimental field magnitude
30	THTASE	
31	PHISE	
32	FXSE	Solar ecliptic field
33	FYSE	
34	FZSE	
35	THTASM	
36	PHISM	
37	FXSM	Solar Magnetospheric field
38	FYSM	
39	FZSM	
40	THTAGM	
41	PHIGM	
42	FXGM	Solar Magnetic Field
43	FYGM	
44	FZGM	
45	NBX	Number of bad points
46	RMSE	Root mean square error calculated from spin modulated detector output.

Words 28-46 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), (THTA (K,I), PHI
  (K,I) XGM (K,I), YGM (K,I),ZGM (K,I), I=1,3), NBX (K)
RMSE (K), K=1,4)
```

D 82821

DUMP OF TAPE LIZA

64-060A-02A

Imp-B

INPUT TAPE LIZA ON HT 1964
DATA INPUT H9 NF=3 FL=1=1=1 FL=2=1=1 FL=3=1=1

FILE 1 RECORD 1 LENGTH 116 416BYTES

Oct 4 1964

( )	01C 019C	00000043	00000116	00000010	00000001	000000CA	00000004	00000003	00000037	4220F4BC
(4)	4234[illegible]	44885324	41EBD1 F	42105CC5	4110D6EE	C1FEFF2F	C1104EE8	C036BDFE	4026E30B	42BFD92F
(8)	C11 4EE8	C024B01F	40383D53	42BC00DD	C0EB75A8	C024B01F	407DB9D1	42BCDB2B	00000003	43204BB2
(12)	412E3F73	42EDC939	C31131BD	C31B4A1B	421A0EAB	4214E2DA	42EB42A5	C31131BD	C318CE9C	42B8388D
(16)	421D4657	42F1A983	C2D5F32C	C318CB90	42FCAE45	00000012	41DCCCCC	00000007	4235072D	421E6E84
(20)	42DEE696	C2217E45	C21F1FF4	421ADBFA	422B5750	42D1B842	C2217E45	C2131EA1	4224652F	423872D9
(24)	42DCB881	C2163656	C2131EA1	422C316D	00000000	00000000	0000000B	4324D143	41143DFF	42DC6D2A
(28)	C31C051D	C317DE8A	41D 19B6	41EF4BB4	42DA767A	C31C051D	C315E963	42980718	421B33BE	42CE0064
(32)	C318557D	C315E963	431 D494	00000012	41F99999	0000000F	4235072D	421E6E84	42DEE696	C2217E45
(36)	C21F1FF4	421ADBFA	422B5750	42D1B842	C2217E45	C2131EA1	4224652F	423872D9	42DCB881	C2163656
(40)	C2131EA1	422C316D	00000000	00000000						

file 1

FILE 1 RECORD 1975 LENGTH 133 416BYTES

NOV 2 1964

( )	01C 019C	00000043	00000133	00000011	00000009	0000000B	00000002	00000000	0000001F	41931EB8
(4)	44772400	434E2345	42393564	42C8F199	41302A1D	C214BE15	41262040	40BEBFC3	411AE8BB	42115D3D
(8)	41262040	40F86A1F	4119C0E7	4216284E	412C829B	40F86A1F	409E13A9	42133AC9	00000003	42826930
(12)	42191788	42568930	41722DEE	4275E356	42374DB7	42112BA8	4256E78C	41722DEE	427C6634	42267B86
(16)	41EDDFF2	4250BB08	42144D8F	427C6634	422175F1	0000001A	A0000000	00000007	4234B904	421E1B08
(20)	42C6AFCB	C22B34C5	C1E9D097	421A720A	42205983	42C20EC3	C22B34C5	C1AD19EE	421C360C	42343EDB
(24)	42C794CB	C21E6A01	C1AD19EE	4229AF4F	00000000	00000000	0000000B	42362B55	C218E615	426D9214
(28)	C21 7567	422E4BBB	C216CE6D	C2205966	426F142B	C2137567	422AE33F	C21CFC1B	C21720C1	42790012
(32)	C219A844	422AB33F	C21546E4	0000001A	A0000000	0000000F	4234B904	421E1B08	42C6AFCB	C22B34C5
(36)	C1E9D097	421A720A	42205983	42C20EC3	C22B34C5	C1AD19EE	421C360C	42343EDB	42C794CB	C21E6A01
(40)	C1AD19EE	4229AF4F	00000000	00000000						

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

FILE 2 RECORD 1 LENGTH 131 416BYTES

Oct 31 1964

( )	01C 019C	00000043	00000131	00000010	00000057	0000000A	0000001F	0000000D	00000037	40404189
(4)	44713200	43633C1F	42276A7D	42D6F034	412C3A03	C14B6713	4120D920	40D8D735	411A54BC	42166B8E
(8)	412 D92	4117A2C4	4111D794	4223BCA0	412233F6	4117A2C4	40F15416	4222A56F	00000003	42E2D52E
(12)	421B79C	42CA[illegible]6C	C2514C8D	C22CD994	422C9952	42220C8E	42BAE145	C2514C8D	C19CF441	42375631
(16)	4226B9C7	42BB4F23	C24C7A4F	C19CF441	423DD43B	00000012	40999999	00000007	4234B904	421DCE15
(20)	42C7CACF	C22B0BCD	C1F7DB7B	421A34B1	42231F1F	42B76FD7	C22B0BCD	C1295D82	421E5503	4227D341
(24)	42B7A91F	C2286895	C1295D82	4221C422	00000000	00000000	0000000B	42638E7A	421B50E6	42CA25A9
(28)	C251EDB3	C2215883	422DAFB0	4221F8D0	42BB1C17	C251EDB3	C1A38164	4237A181	4226A56A	42BB8D46
(32)	C24D14BA	C1A38164	423E2C88	00000012	40999999	0000000F	4234B904	421DCE15	42C7CACF	C22B0BCD
(36)	C1F7DB7B	421A34B1	42231F1F	42B76FD7	C22B0BCD	C1295D82	421E5503	4227D341	42B7A91F	C2286895
(40)	C1295D82	4221C422	00000000	00000000						

file 2

FILE 2 RECORD 19911 LENGTH 14F 416BYTES

( )	01C 019C	00000043	00000014F	00000010	000000AF	0000000B	0000001E	00000009	00000018	42250ED9
(4)	44EC21	418FF 1[illegible]	423D3377	43131E17	41F3F03E	C2183928	41949AD4	C1BAABDC	C132C218	4313485A
(8)	41949AD4	C1C[illegible]4489	411558E3	43133B34	4190477F	C1C04489	C12981C1	43132E27	00000003	41AEB4BE
(12)	C219B8C3	4235A5D2	415D4BA4	417EC390	C14BD293	C22A1435	422BFD09	415D4BA4	415A0ED8	C1751476
(16)	C2381FE6	4243A413	4125CB42	415A0ED8	C1910CCB	00000000	4124CCCC	00000007	42148668	C22A8345
(20)	431 87 1	C1177641	C1F EEDB	C1CDEB[illegible]A	C215CB39	43109901	C1177641	C2131994	C175EC3C	C21158C4
(24)	431 1233	C145C776	C2131994	C161E9F0	00000000	41300000	0000000B	42142867	C2343FAD	4315CDEE
(28)	41C1BF72	C1261D18	C1FF034F	C22BCA48	43146524	41C1BF72	C1811B9F	C1DF3191	C23D5980	4312F64F
(32)	41551D36	C1811B9F	C211B092	00000000	40CCCCCC	00000000	41DA5C15	C2216228	43100325	C12B8087
(36)	C1B11 FC	C178266A	C1C5AEFA	431 23B6	C12B8087	C1C0D1BE	C12EE90C	C1662CCF	42FE434A	C13AD789
(40)	C1D D1BE	C118C2AC	00000000	411E6666						

NOV 30 1964

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

FILE 3 RECORD 1 LENGTH 35 - 416BYTES

(0)	01C 019C	00000240	00000163	00000010	00000003	0000000C	00000014	00000002	00000001	421F6F1A
(4)	441DEE0	4212ED29	417E FBF	42FD6912	41D52E9	C2205C8B	40F19DF2	C1B91013	C15E7592	43112AA2
(8)	4 F19DF2	C1AA8417	C176B9 3	43113 F8	C132CAAE	C1AA8417	C16C5DD9	42FD699A	00000003	42245D91
(12)	C C14A1	42DD5E03	C21B4A18	C2180808	C07AAD40	C15E6D84	42DD066B	C21B4A18	C217BE56	C13BD3C1
(16)	42125989	42DF768F	C219 D6F	C217BE56	41B72CE7	00000002	41119999	00000007	4222F0B7	C0D03006
(20)	42DD8D4	C21A2524	C2172C6E	C 7EF41	C15FA7F5	42DC341E	C21A2524	C216E431	C13A3A4	4212366F
(24)	42DF9B59	C2180848	C216E431	41AEB9EA	00000000	40800000	0000000B	4223AE06	C14C1C8D	42D9E02A
(28)	C21C184	C215DA28	C127E444	C18C47E0	42D92E75	C21C1840	C2154F99	C1570436	4211054E	42DAA7E0
(32)	C21AA46C	C2154F99	41A71B A	00000000	40B33333	0000000F	4223E4DA	C13A5EBA	42E0C9EE	C219651D
(36)	C2194383	C1248AD1	C192 E67	42E 3A2F	C219651D	C218B822	C15B1CE7	41E29CFB	42E1419C	C2187FB6
(40)	C218B822	418C863A	00000000	40B33333						

1965

FILE 3 RECORD 20861 / LENGTH 416BYTES

(0)	01 19C	00000241	00 12	00000008	00000123	00000001	00000012	0000000E	00000038	4227C51E
(4)	4497BC	418A3453	423E76B2	4310443A	41E1019D	C1A1398A	C121F541	C1CDA22B	C112CED0	431C549E
(8)	C121F541	C1DA5FF3	C12A4641	43105292	C128D4A9	C1DA5FF3	C123AE51	4310368B	00000003	42172190
(12)	4232DA 4	42CB5D1D	C1D67F47	C15CA947	4211F04C	42301DC5	42D1C433	C1D67F47	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	0000000B	42166A64	4229CB0C	42C9AA26
(28)	C1F8811B	C162B72C	41EF 5 8	42274C96	42CE714B	C1F8811B	C17B9714	41E3285D	423024FA	42D317FD
(32)	C1CCED42	C17B9714	421 B22	00000000	40800000	0000000F	4216E103	422A3ADC	42C801CA	C1FEB1E2
(36)	C15CBCE1	41F608B3	4227E428	42CCEE45	C1FEB1E2	C176648F	41EAC4AF	4230DDB2	42D172FC	C1D1B0B4
(40)	C176648F	42113B59	00000000	40999999						

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #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 11:20:39 STOP TIME 3/15/91 11:28:22

$$

DEC 20 1964

Feb 3

JAN 18, 1965