77-102A-01A	SPHE-00155	ISEE-1
77-102A-01B	SPMS-00121	ISEE-1
77-102A-01E	SPMS-00283	ISEE-1
77-102A-01F	SPMS-00311	ISEE-1
77-102A-01G	SPMS-00120	ISEE-1
77-102A-02A	SPMS-00284	ISEE-1
77-102A-04A	SPMS-00259	ISEE-1
77-102A-04D	SPMS-00041	ISEE-1
77-102A-04E	SPMS-00307	ISEE-1
77-102A-04O	SPMS-00185	ISEE-1
77-102A-05A	SPHE-00684	ISEE-1
77-102A-06A	SPMS-00481	ISEE-1
77-102A-07A	SPMS-00227	ISEE-1
77-102A-07B	SPMS-00427	ISEE-1
77-102A-08A	SPMS-00037	ISEE-1
77-102A-08D	SPMS-00189	ISEE-1
77-102A-09A	SPMS-00182	ISEE-1
77-102A-10B	SPMS-00034	ISEE-1
77-102A-11A	SPMS-00295	ISEE-1
77-102A-11B	SPMS-00623	ISEE-1
77-102A-11C	SPMS-00033	ISEE-1
77-102B-01A	SPHE-00155	ISEE-2
77-102B-01B	SPHE-00179	ISEE-2
77-102B-01C	SPMS-00311	ISEE-2
77-102B-02A	SPMS-00186	ISEE-2
77-102B-04A	SPMS-00116	ISEE-2
77-102B-04B	SPMS-00476	ISEE-2
77-102B-04C	SPMS-00291	ISEE-2
77-102B-04L	SPMS-00185	ISEE-2
77-102B-05A	SPHE-00676	ISEE-2
77-102B-06A	SPMS-00112	ISEE-2
77-102B-06B	SPMS-00183	ISEE-2
77-102B-07A	SPMS-00182	ISEE-2
77-102B-08A	SPMS-00420	ISEE-2

#434

#434

ISEE-1 + 2

DATA SETS FOR CDAW

77-102A-01B, 02A, 06A, 07A, 07B, 09A
77-102B-07A, 01B, 04B, 05A

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

ISEE 1 & 2

FAST PLASMA EXPERIMENT

77-102A-01A SPHE-00155

77-102B-01A

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI . The tape was created on a 6600 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR03829	DS03829	D32341	1-4	12/01/77 - 12/12/77

[illegible]

[illegible]

[illegible]

[illegible]

This [illegible] catalog consists of [illegible] no tape is a track, 1600 bpi, Binary [illegible] data. The [illegible] created on a CDC 6600 computer.

The span is as follows:

Data	Job	Time Span
52s[illegible]	C-20183	12/01/77 - [illegible]

Tape with proton and electron (2D-) fluid parameters from the Fast Plasma Experiments BAM (Exp. 2) on ISEE 1 and PAD (Exp. 20) on ISEE 2

No - label files

File no. 1: ISEE-2 (PAD) data for 1 Dec, 1500 UT to 2 Dec, 2400 UT
2: 2 (PAD) data 11 Dec, 2100 UT to 12 Dec, 0730 UT
3: 1 (BAM) data 1 Dec, 1500 to 2 Dec, 2400
4: 1 (BAM) data 11 Dec, 2100 to 12 Dec, 0730

Data gaps longer than ~1 hour (instruments off):
File 1 (PAD): 2 Dec, 0410 to 0730 UT (approx.)
File 3 (BAM): 2 Dec, 0345 to 0754 UT (approx.)

Records: formatted
logical record length: 140 characters
physical rec. length: 2800 characters

log. record: ISAT, MOD1, MOD2, JSP, JSE, IYEAR, IDAY, MSEC, IORB,
TSPIN, GSEX, GSEY, GSEZ, DENP, DENE, VP, VE,
AZP, AZE, TP, TE, HDENP, HDENE

format: I2, I2, I1, 2I1, I4, I3, I8, I4,
F7.3, 3F7.3, 2E10.3, 2F7.1,
2F6.1, 2E10.3, 2E10.3

Elements of a logical record:

ISAT = 1 or 2 for ISEE-1 or -2

MOD1, MOD2 describe mode of operation etc. (counting rate matrix, data rate)

MOD1				
= 1	HDR	16 x 16	1 spin 16 x 16	MOD2 = 1 (always)
2	LDR	16 x 16	1 spin 16 x 16	" "
3	LDR	8 x 8	1 spin 8 x 8	MOD2 = 2 or 3
4-6 not used here (3D data)				
7	HDR	8 x 16	1 spin 8 x 16	" "
8	HDR	16 x 16	2 spins 8 x 16	" "
9	LDR	8 x 16	1 spin 8 x 16	" "
10	LDR	8 x 16	2 spins 8 x 8	" "

MOD2 = 1: data from sensors 2DA + 2DB
= 2: data from sensor 2DA
= 3: data from sensor 2DB

nominal spacing of data points (in seconds):

MOD1:	1	2	3	7	8	9	10
Δt =	3	12	3	3	6	12	6

JSP = 0 or 1: proton low-/high-energy sweep
JSE = 0 or 1: electron low-/high energy sweep

IYEAR, IDAY, MSEC = (full) year, day of year; milliseconds of day at start of first sweep

IORB = orbit number; positive (negative) for outbound (inbound) portion

TSPIN = spin period (in seconds)

GSEX, GSEY, GSEZ = S/C position (solar ecliptic coord.), in earth radii

-------- in the following variable names the last letter (P or E) indicates proton and electron data, respectively-----

name	Variable	unit	plot scale	range (approx.)
DENP	number	cm^{-3}	log ~~plot~~	0.1 - 400.
DENE	density		same	
VP	bulk	km/s	lin	40. - 400.
VE	speed		lin	40. - 700.
AZP	flow	degrees	lin	0. - 360.
AZE	azimuth (eclipt. plane)		same	
TP	mean	Kelvin	log	$1 \cdot 10^5$ - $2 \cdot 10^8$
TE	temperature		same	
HDENP	density of energetic		log	$1 \cdot 10^{-3}$ - 1.
HDENE	part of distrib.[1)]		log	$1 \cdot 10^{-4}$ - 1.

1) lower energy thresholds.
HDENP: ~ 7 keV
HDENE: ~ 2 keV

D-323-41
12/01/72-12/1[illegible]

DUMP OF TAPE X-404

INPUT TAPE X-404 ON MS1
DATA INPUT H9 NF 4 FL 1 1 1 SR 4 1 1 SR 4 LAST 1

FILE 1 RECORD 1 LENGTH 2800BYTES

(0)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F1F0F2	FCF94060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0
(40)	60F1F34B	F9F9F840	40F74BF7	F4F440F6	4BF4F0F4	C54EF0F0	40F34BF7	F2F4C54E	F0F04040	F2F9F04B
(80)	F7404DF5	F2F74BF2	40F1F7F3	4BF240F1	F7F14BF6	4CF54BF1	F4F8C54E	F0F540F1	4BF6F7F8	C54EF0F5
(120)	40F34BF8	F3F1C560	F0F540F5	4BF9F3F5	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F2F2F2
(160)	F1F04060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0	6CF1F34B	F9F9F540	40F74BF7	F4F340F3	4BF5F4F2
(200)	C560F0F1	40F34BF5	F9F8C54E	F0F04040	F2F7F64B	F64C40F5	F1F44BF9	40F1F6F7	4BF940F1	F7F34BF7
(240)	40F14BF3	F2F5C54E	F0F640F1	4BF6F8F5	C54EF0F5	4CF34BF8	F3F1C560	F0F540F2	4BF9F9F2	C560F0F6
(280)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F3F4F2	F1FC4060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0
(320)	60F1F34B	F9F9F540	40F74BF7	F4F340F1	4BF7F5F7	C54EF0F0	40F34BF6	F4F9C54E	F0F04040	F2F8F94B
(360)	F9404DF5	F0F44BF3	40F1F8F1	4BF740F1	F7F14BF3	4CF14BF0	F1F1C54E	F0F640F1	4BF6F6F9	C54EF0F5
(400)	40F34BF8	F3F1C560	F0F540F5	4BF7F8F7	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F4F6F2
(440)	F1F04060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0	6CF1F34B	F9F9F240	40F74BF7	F4F240F1	4BF2F0F4
(480)	C54EF0F1	40F34BF8	F0F8C54E	F0F04040	F2F8F34B	FC4C40F5	F1F34BF8	40F1F7F6	4BF640F1	F7F24BF3
(520)	40F44BF8	F7F3C54E	F0F540F1	4BF6F5F3	C54EF0F5	4CF34BF8	F3F1C560	F0F540F4	4BF0F4F2	C560F0F5
(560)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F5F8F2	F1FC4060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0
(600)	60F1F34B	F9F9F840	40F74BF7	F4F140F4	4BF8F1F6	C54EF0F0	40F34BF8	F0F4C54E	F0F04040	F2F7F64B
(640)	F44C40F4	F9F74BF7	40F1F7F1	4BF540F1	F7F34BF2	4CF54BF0	F2F3C54E	F0F540F1	4BF6F5F3	C54EF0F5
(680)	40F34BF8	F3F1C560	F0F540F4	4BF0F0F8	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F7F0F2
(720)	F1F14060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0	6CF1F34B	F9F8F740	40F74BF7	F4F040F2	4BF4F5F2
(760)	C560F0F1	40F34BF8	F9F7C54E	F0F04040	F2F1F54B	F64C40F4	F9F84BF0	40F1F6F8	4BF640F1	F7F24BF7
(800)	40F14BF9	F6F0C54E	F0F640F1	4BF6F7F6	C54EF0F5	4CF24BF7	F4F5C560	F0F440F4	4BF0F9F0	C560F0F5
(840)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F8F2F2	F1F14060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0
(880)	60F1F34B	F9F8F740	40F74BF7	F4F040F6	4BF7F4F5	C560F0F1	40F34BF9	F8F6C54E	F0F04040	F2F9F34B
(920)	F840C4F4	F7F34BF9	40F1F8F3	4BF940F1	F7F54BF2	4CF14BF4	F1F5C54E	F0F640F1	4BF6F7F8	C54EF0F5
(960)	40F24BF7	F4F5C560	F0F440F9	4BF5F6F2	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F0F9F4F2
(1000)	F1F14060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0	6CF1F34B	F9F8F540	40F74BF7	F3F940F1	4BF1F0F4
(1040)	C54EF0F1	40F34BF8	F5F7C54E	F0F04040	F2F8F44B	F54C40F4	F9F44BF2	40F1F7F7	4BF840F1	F7F34BF3
(1080)	40F54BF2	F3F1C54E	F0F540F1	4BF6F6F1	C54EF0F5	4CF54BF0	F4F6C560	F0F440F2	4BF1F4F4	C560F0F5
(1120)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F0F6F2	F1F14060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0
(1160)	60F1F34B	F9F8F240	40F74BF7	F3F840F9	4BF8F7F2	C54EF0F0	40F34BF8	F7F4C54E	F0F04040	F2F7F44B
(1200)	F74C40F5	F3F64BF7	40F1F7F2	4BF240F1	F7F24BF5	4CF44BF8	F7F4C54E	F0F540F1	4BF6F4F0	C54EF0F5
(1240)	40F74BF4	F6F9C560	F0F440F4	4BF0F9F0	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F1F8F2
(1280)	F1F24060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0	6CF1F34B	F9F7F940	40F74BF7	F3F740F6	4BF4F8F0
(1320)	C560F0F1	40F34BF8	F1F8C54E	F0F04040	F2F1F84B	FC4C40F4	F9F84BF2	40F1F7F0	4BF140F1	F7F44BF0
(1360)	40F24BF0	F4F2C54E	F0F640F1	4BF6F5F3	C54EF0F5	4CF24BF8	F7F4C560	F0F440F2	4BF9F9F2	C560F0F6
(1400)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F3F0F2	F1F24060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0
(1440)	60F1F34B	F9F7F940	40F74BF7	F3F740F6	4BF3F6F6	C56CF0F1	40F34BF8	F8F4C54E	F0F04040	F2F6F34B
(1480)	F340C4F5	F2F64BF2	40F1F8F4	4BF940F1	F7F34BF3	4CF14BF3	F1F2C54E	F0F640F1	4BF6F6F6	C54EF0F5
(1520)	40F24BF7	F4F5C560	F0F440F3	4BF9F8F9	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F4F2F2
(1560)	F1F24060	F1F74040	F34BF0F1	F140F1F0	4BF3F9F0	6CF1F34B	F9F7F740	40F74BF7	F3F540F1	4BF1F5F1
(1600)	C54EF0F1	40F34BF8	F7F7C54E	F0F04C40	F2F8F04B	F140C4F5	F4F04BF1	40F1F7F9	4BF040F1	F7F14BF4
(1640)	40F54BF2	F5F6C54E	F0F540F1	4BF6F3F9	C54EF0F5	4CF54BF0	F4F6C560	F0F440F3	4BF9F8F9	C560F0F5
(1680)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F5F4F2	F1F34060	F1F74040	F34BF0F1	F140F1F0	4BF3F8F9
(1720)	60F1F34B	F9F7F440	40F74BF7	F3F440F8	4BF7F2F0	C54EF0F0	40F34BF8	F1F9C54E	F0F04040	F2F8F34B
(1760)	F240C4F5	F0F34BF3	40F1F7F3	4BF140F1	F7F44BF0	4CF54BF0	F7F4C54E	F0F540F1	4BF6F5F5	C54EF0F5
(1800)	40F34BF8	F3F1C560	F0F540F7	4BF6F5F1	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F6F6F2
(1840)	F1F34060	F1F74040	F34BF0F1	F140F1F0	4BF3F8F9	6CF1F34B	F9F7F140	40F74BF7	F3F340F3	4BF8F2F9
(1880)	C560F0F1	40F34BF8	F6F9C54E	F0F04040	F2F0F64B	F340C4F5	F2F14BF4	40F1F6F6	4BF140F1	F7F34BF4
(1920)	40F24BF7	F6F6C54E	F0F640F1	4BF6F4F8	C54EF0F5	4CF74BF4	F9F3C560	F0F440F2	4BF0F9F7	C560F0F5
(1960)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F7F8F2	F1F34060	F1F74040	F34BF0F1	F140F1F0	4BF3F8F9
(2000)	60F1F34B	F9F7F140	40F74BF7	F3F340F4	4BF7F3F1	C56CF0F1	40F34BF8	F8F4C54E	F0F04040	F2F6F84B
(2040)	F84C40F5	F1F64BF2	40F1F8F5	4BF540F1	F7F34BF6	4CF24BF2	F1F0C54E	F0F640F1	4BF6F4F1	C54EF0F5
(2080)	40F34BF8	F3F1C560	F0F540F4	4BF0F9F0	C560F0F5	4CF240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F1F9F0F2
(2120)	F1F34060	F1F74040	F34BF0F1	F140F1F0	4BF3F8F9	6CF1F34B	F9F6F940	40F74BF7	F3F240F9	4BF9F4F0
(2160)	C54EF0F0	40F34BF9	F4F8C54E	F0F04040	F2F8F04B	F84C40F4	F6F94BF3	40F1F7F7	4BF940F1	F7F34BF3
(2200)	40F54BF7	F0F2C54E	F0F540F1	4BF6F8F7	C54EF0F5	4CF54BF1	F0F7C560	F0F440F2	4BF9F9F2	C560F0F6
(2240)	40F240F2	F1F0F0F1	F9F7F7F3	F3F5F5F4	F2F0F2F2	F1F44060	F1F74040	F34BF0F1	F140F1F0	4BF3F8F9

ISEE 1

2-D PLASMA DATA ON MAG TAPE

77-102A-01B SPMS-00121

THIS DATA SET HAS BEEN RESTORED. THERE WAS ORIGINALLY ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON A CDC 6600 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005345	DS005345	D032366	4	12/01/77 - 12/11/77

REQ. AGENT
VJP

RAND NO.
RD1069

ACQ. AGENT
MJT

ISEE-1

2D PLASMA DATA

77-102A-01B

This data set consists of 1 data tape. The tape is 9 track, 1600 BPI, Binary with 4 files of data. The tape was created on a CDC computer.

Time span is as follows:

D#	C#	TIME SPAN
D-32366	C-20211	12/01/77 - 12/11/77

CONY

HONES' BAM EXPERIMENT TAPE

Nm: 1EH

Nine track ~~1600~~ 6250 BPI Binary CDC 60 bit floating point words

File 1, Records 132
File 2, Records 550
File 3, Records 22
File 4, Records 220

variable record length
maximum = 350, 60 bit words

Double end-of-file is end-of-data

Definition of 22 record data cycle:

Record 1:	Word 1	-	Day-of-year
	Word 2	-	Year (Example: 77.)
	Word 3	-	Radius (earth radii)
	Word 4	-	Solar ecliptic latitude (degrees)
	Word 5	-	Solar ecliptic longitude (degrees)
	Words 6, 7, 8	-	Solar ecliptic x, y, z (earth radii)
	Word 9	-	Solar magnetospheric latitude (degrees)
	Word 10	-	Solar magnetospheric longitude (degrees)
	Word 11, 12, 13	-	Solar magnetospheric x, y, z (earth radii)
	Word 14	-	DZ
	Word 15	-	Tilt

Record 2: Electron time array (seconds)
Record 3: TEMPET array - total electron temperature (log base 10) (degrees - K)
Record 4: TEMPEU array - above 100 mev electron temperature (log base 10) (degrees K)
Record 5: DTØT array - total electron density (log base 10) (cm^{-3})
Record 6: DGT100 array - above 100 mev electron density (log base 10) (cm^{-3})
Record 7: PTET array - total electron pressure (log base 10) ($dynes/cm^2$)
Record 8: PTEU array - above 100 mev electron pressure (log base 10) ($dynes/cm^2$)
Record 9: EAVTØT array - total electron average energy (log base 10) (EV)
Record 10: EGT100 array - above 100 mev electron average energy (log base 10) (EV)
Record 11: VTØTET array - magnitude of total electron flow (log base 10) (km/sec)
Record 12: VTØTEU array - magnitude of above 100 mev electron flow (log base 10) (km/sec)
Record 13: VDIREU array - direction of above 100mev electron flow (degrees)

Record 14: VDIRET - direction of total electron flow (degrees)

Record 15: Proton time array (seconds)

Record 16: TEMPP array - proton temperature (log base 10) (degrees - K)

Record 17: PDEN array - proton density (log base 10) (cm^{-3})

Record 18: PTP array - proton pressure (log base 10) ($dynes/cm^2$)

Record 19: PEAV array - proton average energy (log base 10) (EV)

Record 20: VTØT - magnitude of proton flow (log base 10) (km/sec)

Record 21: VDIR - direction of proton flow (degrees)

Record 22: DVØV - relative statistical error of proton flow magnitude (log base 10)

DAY

1730
1717

$11_8 = 9_{10}$

YR

1726
1717

$9_8 = 7_{10}$

5 320
1 8
7 7

335

4 6 4
1,00 1,10 100
1 1 5

64
8
5

77

TSEE-1
D-32366
12/01/72-12/07/72

DUMP OF TAPE X-213

INPUT TAPE X-213 ON MS1
DATA INPUT 09 NF 4 FL 4 1 1

FILE 1 RECORD 1 LENGTH 150BYTES

(0)	173051700000	000000001726	464000000000	000017244616	630367654722	172457701150	346147046052	124217712646
(48)	667317235146	510244530536	605407662065	716315571722	760316774046	320417254210	205525442125	605217073347
(96)	564015421723	514722154241	754260542024	603526404113	172352710671	467527731726	464000000000	000060542314
(144)	754237406640							

FILE 1 RECORD 132 LENGTH 1110BYTES

(0)	606016651372	243771146060	166513722437	711460573340	746502305550	606425127077	630477056060	101454326201
(48)	703560603522	275567515707	606332544015	773647726060	376706424016	703160573473	346174353704	171463435471
(96)	730660716060	225240643003	160160602122	247045054361	171463003115	512670436061	242355221556	723660601155
(144)	451262420002	606137405720	073112616060	307105377027	235760600566	665404170435	606022670211	446450756061
(192)	122256662074	232060601260	461373455342	605736665663	046153126063	321300623424	376460600706	554757400032
(240)	606003002345	755426266061	243051647411	504460601665	266100665235	606007623410	162675051714	703664301156
(288)	773060600742	247671700273	606001755346	047377226060	263027616257	400260611230	120524446765	606005300641
(336)	271240126060	223727723115	660117165110	461734011776	606001152323	545261176060	213133162266	362060611370
(384)	673445274736	606003017324	610657036060	242645707272	733560600206	611533420315	171477264372	573770536060
(432)	211047423236	653360600054	360456374306	606030244566	244540706060	026572235113	053260600332	652050412054
(480)	171171237156	607764536060	367452661362	773260600336	756566207074	606124172320	414474526060	070637411446
(528)	151760600270	777752772344	606036631407	431155746061	331060557127	505660600362	050271412705	171362716057
(576)	073113216060	263260157030	253360600355	245467177174	606100063156	214273201715	565532032210	715460573375
(624)	147606411666	171264044671	257547576062	312457320527	216560601473	204252401477	606015543700	030445646062
(672)	341103445554	113160573613	126762377442	606112671347	141007066062	101025071772	770560602572	101120433630
(720)	606015255240	133730636063	217513600623	547260601252	237350201016	606026172033	463442556062	367652714664
(768)	014060603315	474353752645	606004654633	661135046060	221435350053	015360601444	051422544316	605735342567
(816)	465336571713	516075732037	575360603442	264470072127	606004617224	274654706060	022500656137	350260601632
(864)	021021374346	606004607245	262340556061	046653766321	141017156422	576660062423	606011111214	132471376060
(912)	023214036673	024160610752	352460266333	606004704537	526033016062	072404236233	756060602656	501114340225
(960)	171743423635	006653136060	027413533515	142060613573	151002365345	606005102020	166755516061	300515475021
(1008)	055560603535	714714401325	606006100657	720176431716	635273271305	651006061336	7 353637743665	606003420231
(1056)	764712516061	253643562772	622760610243	324373353763	606005562270	122043316060	041050436433	171560600274
(1104)	563053034760							

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	132	133	840	0	0	0	0	0	0

FILE 2 RECORD 1 LENGTH 150BYTES

(0)	173051700000	000000001726	464000000000	000017237346	446450230444	172456514043	617212636052	225262640350
(48)	646617234636	412506506174	605431046533	100220701722	571451147077	344717245305	712154612551	605221760361
(96)	304657511723	463700545325	155160543006	616110424425	172253613464	017262661726	464000000000	000060533540
(144)	604275513460							

FILE 2 RECORD 550 LENGTH 1130BYTES

(0)	605732056527	425730676060	305557510741	454017145224	035054251224	606227614275	560314036060	000644354121
(48)	414160601751	162252226706	606114656006	374361576060	157723042542	147460573647	317646501017	605735442700
(96)	315075651715	551362120636	054560622442	746032633350	606002632211	147323566057	374523555556	635760610271
(144)	561255647355	606031152654	147236736057	367621611006	253160600365	163265356624	606134543522	643017341715
(192)	742306603573	275760600466	574420740044	605737307112	102145016060	157607044321	241417145107	033120351006
(240)	605737715372	275216406060	022313220714	740260612025	347214465446	606112131706	371640606064	203040053733
(288)	572260573751	141570643643	606013113125	323517541713	447002254015	604066601711	271636461012	606001334263
(336)	627623376060	355454776664	627660621521	035517152500	606003037676	407032261716	466171310127	0606360600726
(384)	536077045222	606536072257	355055156060	260602134641	101660573747	055775452254	606023753645	007472601714
(432)	470316052760	051360600360	013611635541	605737703173	272607621716	742117331761	3040606307 23	012107451705
(480)	606031576072	334621416057	370025363446	430360600440	475522477337	606116123161	741554106060	063166273330
(528)	075660573727	402470337647	606020053715	330330656060	316050622163	530160603747	151404334631	606001075461
(576)	253062156060	024670070474	271160602012	303661212734	606030124737	754416026060	013445754153	201760601101
(624)	530102366643	605733303302	107064376060	164545255040	710460603701	427131326505	605732610152	255761246060
(672)	155072551247	135760601430	737174517650	605734150037	264215236060	171561751501	251760573623	425647336253

(816)	154503556060	0232e2765252	737160600515	170256624733	606007634172	757662636060	025421447251	677060573155
(864)	614444340445	606002733422	136075556060	226646501065	072460601143	667666361731	606007645232	700255126060
(912)	047746361261	672760e03137	475470653724	606022060421	332632476060	016160366232	522660573512	635431022445
(960)	606017722377	054331046060	151450001053	125360600540	714126744727	606000620750	724340746060	226576415646
(1008)	755460601644	614020362663	606007635764	014541346060	011214126107	342060601052	463231701760	606022346565
(1056)	237003556060	346670775370	453360573462	416324234546	605731651214	463153506057	304534006661	417260572717
(1104)	756100043232	605726300756	226313166057	223035004146	6654			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	550	551	1125	0	0	0	0	3	3

FILE 3 RECORD 1 LENGTH 150BYTES

(0)	173053100000	000000001726	464000000000	000017226703	604145032642	172442437676	052213736051	044463147545
(48)	704160561520	753600573620	605521747224	225041561721	405542224173	560317235150	055356136137	605105020213
(96)	343365206056	152153107733	420060552013	046121634134	172047611407	543631161726	464000000000	000060532521
(144)	145725073740							

FILE 3 RECORD 22 LENGTH 660BYTES

(0)	605637777777	777777771716	722271602673	075517155722	154114271242	171467611031	343460021716	536107256051
(48)	534260631615	013234530126	171643406225	202413501716	612374731200	072617147136	040636112405	171344341002
(96)	543572271715	520746750260	151717155731	511420350100	171563745501	074402621716	422605577235	704017174001
(144)	014614450640	171570745461	426501651715	730027247134	536317154505	471767243767	171464650641	136203266063
(192)	326774557622	740117775431	501454531147	171664471664	113556536062	014126405524	072317175043	724537252735
(240)	171676232473	774674661715	640312114357	677617164470	205776172437	171546654763	752312551711	525216237421
(288)	361417166042	637703736570	606525276632	606707046064	336243722653	017117157406	626170051701	171744751726
(336)	476662671713	531457106140	152017147743	0e3331270613	171650526173	525707201714	561630717704	710017127637
(384)	113475411152	606721413347	274452511716	575617660276	633217146112	326742347735	171754110056	563730451716
(432)	422473751455	321560623000	555560324240	171373061124	742602166061	340304350570	621617165467	664150555620
(480)	171557503572	056350231716	653603151546	207017167404	411224371426	171647474041	743316661717	645326124354
(528)	775760642773	224635246663	171744651745	013422341720	400000000000	000017167376	322167646027	171643761111
(576)	471430506064	057767373531	736517167224	170775077567	171747551267	124577731716	504730546610	167117164311
(624)	150552642162	606430551025	125475211717	607423407762	457217166321	665775004000		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
3	22	23	495	0	0	0	0	1	1

FILE 4 RECORD 1 LENGTH 150BYTES

(0)	173053100000	000000001726	464000000000	000017234133	246545460001	172445540502	643324066051	073551446011
(48)	541260561632	045110173271	605505624733	341000401721	531377516573	346717235553	474322576163	605107703551
(96)	452060646056	163300745162	017760550527	217202412045	172364734756	273006561726	464000000000	000060532003
(144)	507301026160							

FILE 4 RECORD 220 LENGTH 750BYTES

(0)	605722414324	217045666057	265111532321	267460572672	664643336021	605723536031	501760476057	233060364551
(48)	130160572727	467075725522	605731257577	443757716057	244400453506	333760572456	332253662773	605726443735
(96)	100023676057	314576075660	437360573043	543676441564	605726504733	113443756057	300355201730	733460572734
(144)	047502041721	605725775455	533060016057	236016717656	377760572565	306216747662	605726054071	051572126057
(192)	304770165772	620460572324	6654230 21204	605723354576	421521416057	247305776165	263560573033	721547571526
(240)	605725325752	222330266057	314532366562	545760573105	473113601656	605734620716	753061376057	304076414127
(288)	40o260573116	436654646053	605730577562	542432336057	247753176637	074660572331	005526206772	605724014343
(336)	443326446057	263241563563	367060572604	104655052213	605726614000	010363466057	264413613612	752160572760
(384)	421676636312	605723554102	637342016057	223536124612	611160572411	216514432035	605725637003	137365726057
(432)	274770555577	127760572203	160625162204	605723602630	257166476057	244123014122	702660572661	643671760755
(480)	605724050711	150250746057	237232470673	004360572570	025574335003	605726324345	100136456057	266722040517
(528)	356760572406	762411523220	605724675201	204307066057	251167574232	150460572647	102367770516	605723003103
(576)	657260076057	247471306156	734760572537	444206362425	605726710106	274240336057	240635072343	407660572343
(624)	113054505532	605724565037	524104766057	265610256137	314260572676	767513665205	605725725016	613106226057
(672)	267667730606	335360572746	362712222332	605725432457	623003206057	242000306617	034760572556	453353424344
(720)	605726473315	360456226057	270024676322	723360572504	244450714200			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#

ISEE 1

77-102A-01E SPMS-00283

BOW SHOCK CROSSING DATA, TAPE

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 6600 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005359	DS005359	D034021	1	11/07/77 - 01/01/78

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2553	MJT

ISEE 1

FAST PLASMA/SOLAR WIND IONS

77-102A-01E

This data set catalog consists of 1 data tape. The tape is 9 track, 1600 BPI, ASCII with 1 file of data. The tape was created on a CDC 7600 computer. The time span, D and C numbers are as follows:

D#	C#	TIME SPAN
D-34021	C-20633	11/07/77 - 01/01/78

77-102A-01E

UNIVERSITY OF CALIFORNIA
LOS ALAMOS SCIENTIFIC LABORATORY
(CONTRACT W-7405-ENG-36)
P.O. BOX 1663
LOS ALAMOS, NEW MEXICO 87545

IN REPLY
REFER TO: P-4U:79-521
MAIL STOP: 436

July 2, 1979

Mr. Michael J. Teague
IMS/Satellite Situation Center
NASA/Goddard Space Flight Center
Greenbelt, Maryland 20771

Dear Mr. Teague:

Enclosed are: 1) data tape, 2) a completed tape documentation form, 3) a physical record format for the tape, 4) a listing of all the data on the tape, and 5) plots of all the data on the tape. This data is from the LASL/MPI solar wind ion experiment on ISEE-1 and is intended for use at the ISEE bow shock workshop July 23-25, 1979, at GSFC.

Sincerely,

J. T. Gosling

JTG/mp

Enclosures, a/s

CY: File
P-DO w/o encls
ISD-5 (2) w/o encls

NASA

IMS/SATELLITE SITUATION CENTER

CDAW TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: Tape 8		
2. Scientific Contact: J. T. Gosling	3. Telephone No. or Telex No.: 505-667-4104	
4. Address: P-4, MS-436, Los Alamos Scientific Laboratory		
5. City: Los Alamos	6. State: New Mexico	7. ZIP Code or Country: 87545
8. Programmer Contact: Dick Anderson	505-667-4104	

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 1 (E00142)	2. Tape Density: ☐ 800 bpi ☒ 1600 bpi
3. No. of Files (per tape): 1	
4. No. of End of File Marks: 2 (at end)	5. No. of Tracks: ☐ 7 ☒ 9
6. Recording Parity: Odd	7. Make and Model of Computer Used to Generate Tape: CDC-7600
8. Are tapes written in binary, coded or both? (e.g. BCD): Coded (ASCII)	
9. What floating point representation is used? (e.g. CDC 64 bit): N/A	
10. What integer representation is used?: N/A	
11. No. of Physical Records (per file): Blocked 80 characters/line 50 lines/record	
12. Are original tapes to be returned? ☒ Yes ☐ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.): 11/7/77 2242.10 UT start 1/1/78 1749.83 UT stop	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY IMS/SSC ONLY

		CDAW No.	3.0
Date Received	July 9.	Tape No.	X-950
Programmer ID	RC	CON No.	G3. J101
Data Base		Date Loaded	

Physical Records	Logical Record	Date & Times (UT)	
1- 2	1	77-10-07	2242.10-2259.93
3- 7	2	77-11-10	1006.25-1129.78
8	3	77-11-16	300.53- 310.97
9-11	4	77-11-30	612.02- 711.60
12-14	5	77-12-05	500.35- 615.33
15-37	6	77-12-06	825.37-1621.70
38	7	77-12-07	1701.13-1707.82
39-43	8	77-12-08	2130.03-2214.40
44-45	9	77-12-10	512.30- 535.82
46-47	10	77-12-18	724.32- 759.60
48	11	77-12-24	1132.13-1141.87
49	12	78-01-01	1745.78-1749.83

Each physical record contains 50 lines:

Line 1 Date (Format I6) e.g. 771110
Lines 2-49 Data (Format 3F8.2, F8.4, 3F8.2, 2F8.0, F8.2)

The last physical record of each logical record is filled with blank cards to make a 50 line record.

The 10 words of data are:

1. Time (seconds from midnight)
2. Time (UT)
3. DPN Particle density
4. DAP Alpha fraction (%?)
5. VPN Velocity (km/sec)
6. PHPN Phi (deg)
7. ThPn Theta (deg)
8. Tpan Temperature (parallel)
9. Tpen Temperature (perpendicular)
10. Vapr Velocity difference

77-102A-01E
ISEE-1
D-34021
11/07/77-11/01/78

DUMP OF TAPE X402

INPUT TAPE X402 ON MS2
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 4005BYTES

(0)	37373131	30372020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	
(40)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	
(80)	38313732	362E3030	20323234	322E3130	20202031	352E3134	2020202E	30313438	20203239	352E3530	
(120)	20202020	322E3933	20202020	312E3034	20203438	3937382E	20203332	3335392E	2020202D	342E3933	
(160)	38313733	382E3030	20323234	322E3330	20202031	342E3739	2020202E	30323030	20203239	332E3931	
(200)	20202020	332E3034	20202020	312E3132	20203532	3438312E	20203331	3632332E	20202020	382E3532	
(240)	38313735	302E3030	20323234	322E3530	20202031	342E3739	2020202E	30313632	20203239	342E3435	
(280)	20202020	332E3037	20202020	312E3037	20203437	3836332E	20203333	3838342E	2020202D	362E3132	
(320)	38313736	322E3030	20323234	322E3730	20202031	352E3134	2020202E	30323039	20203239	332E3636	
(360)	20202020	332E3235	20202020	312E3038	20203530	3131392E	20203332	3335392E	2020202D	352E3834	
(400)	38313737	342E3030	20323234	322E3930	20202031	342E3133	2020202E	30343337	20203239	332E3535	
(440)	20202020	342E3337	20202020	302E3030	20203338	3031392E	20203332	3335392E	20202D34	312E3638	
(480)	38313738	372E3030	20323234	332E3132	20202031	342E3739	2020202E	30313632	20203239	332E3131	
(520)	20202020	332E3233	20202020	312E3132	20203530	3131392E	20203332	3335392E	20202020	312E3731	
(560)	38313831	312E3030	20323234	332E3532	20202031	352E3134	2020202E	30313832	20203239	332E3235	
(600)	20202020	332E3037	20202020	312E3337	20203438	3937382E	20203238	3834302E	2020202D	352E3832	
(640)	38313832	332E3030	20323234	332E3732	20202031	342E3435	2020202E	30323039	20203239	332E3934	
(680)	20202020	332E3031	20202020	312E3133	20203436	3737342E	20203331	3632332E	20202020	322E3830	
(720)	38313833	352E3030	20323234	332E3932	20202031	342E3435	2020202E	30313538	20203239	352E3938	
(760)	20202020	322E3838	20202020	202E3538	20203530	3131392E	20203332	3335392E	2020202D	342E3531	
(800)	38313834	372E3030	20323234	342E3132	20202031	352E3835	2020202E	30313738	20203239	342E3530	
(840)	20202020	332E3036	20202020	202E3637	20203438	3937382E	20203335	3438312E	2020202D	362E3834	
(880)	38313836	302E3030	20323234	342E3333	20202031	342E3133	2020202E	30313538	20203239	332E3831	
(920)	20202020	332E3435	20202020	202E3831	20203436	3737342E	20203336	3330382E	2020202D	322E3538	
(960)	38313837	322E3030	20323234	342E3533	20202031	342E3435	2020202E	30323334	20203239	332E3831	
(1000)	20202020	342E3233	20202020	302E3030	20203432	3635382E	20203336	3330382E	20202D31	342E3139	
(1040)	38313838	342E3030	20323234	342E3733	20202031	352E3134	2020202E	30313431	20203239	342E3432	
(1080)	20202020	332E3137	20202020	202E3830	20203433	3635322E	20203338	3031392E	20202020	312E3339	
(1120)	38313839	362E3030	20323234	342E3933	20202031	342E3435	2020202E	30313438	20203239	332E3630	
(1160)	20202020	332E3435	20202020	202E3831	20203436	3737342E	20203339	3831312E	2020202D	332E3832	
(1200)	38313930	382E3030	20323234	352E3133	20202031	342E3435	2020202E	30313335	20203239	332E3938	
(1240)	20202020	332E3236	20202020	202E3735	20203435	3730392E	20203337	3135342E	20202020	322E3033	
(1280)	38313932	302E3030	20323234	352E3333	20202031	342E3435	2020202E	30313734	20203239	332E3836	
(1320)	20202020	332E3235	20202020	202E3834	20203434	3636382E	20203337	3135342E	2020202D	352E3439	
(1360)	38313933	322E3030	20323234	352E3533	20202031	342E3739	2020202E	30313636	20203239	322E3933	
(1400)	20202020	332E3332	20202020	202E3837	20203436	3737342E	20203339	3831312E	2020202D	322E3138	
(1440)	38313934	352E3030	20323234	352E3735	20202031	342E3739	2020202E	30313738	20203239	322E3636	
(1480)	20202020	332E3239	20202020	202E3838	20203437	3836332E	20203338	3930352E	2020202D	352E3832	
(1520)	38313935	372E3030	20323234	352E3935	20202031	342E3435	2020202E	30313734	20203239	332E3834	
(1560)	20202020	342E3137	20202020	302E3030	20203338	3930352E	20203336	3330382E	2020202D	362E3339	
(1600)	38313936	392E3030	20323234	362E3135	20202031	342E3435	2020202E	30313531	20203239	332E3334	
(1640)	20202020	332E3234	20202020	312E3030	20203435	3730392E	20203331	3632332E	2020202D	312E3734	
(1680)	38313938	312E3030	20323234	362E3335	20202031	352E3134	2020202E	30313636	20203239	312E3936	
(1720)	20202020	332E3234	20202020	312E3333	20203530	3131392E	20203330	3230302E	2020202D	342E3432	
(1760)	38313939	332E3030	20323234	362E3535	20202031	342E3739	2020202E	30323039	20203239	332E3836	
(1800)	20202020	332E3135	20202020	202E3837	20203433	3635322E	20203331	3632332E	2020202D	332E3833	
(1840)	38323030	352E3030	20323234	362E3735	20202031	342E3739	2020202E	30313535	20203239	322E3931	
(1880)	20202020	332E3239	20202020	202E3934	20203436	3737342E	20203335	3438312E	2020202D	322E3633	
(1920)	38323031	382E3030	20323234	362E3937	20202031	342E3435	2020202E	30313332	20203239	332E3136	
(1960)	20202020	332E3436	20202020	202E3738	20203436	3737342E	20203334	3637342E	2020202D	312E3438	
(2000)	38323033	302E3030	20323234	372E3137	20202031	342E3435	2020202E	30313236	20203239	322E3536	
(2040)	20202020	332E3335	20202020	312E3132	20203433	3635322E	20203337	3135342E	2020202D	342E3732	
(2080)	38323034	322E3030	20323234	372E3337	20202031	342E3435	2020202E	30313632	20203239	312E3630	
(2120)	20202020	342E3237	20202020	302E3030	20203339	3831312E	20203335	3438312E	2020202D	382E3339	
(2160)	38323035	342E3030	20323234	372E3537	20202031	342E3435	2020202E	30323134	20203239	312E3830	
(2200)	20202020	332E3635	20202020	312E3135	20203434	3636382E	20203337	3135342E	2020202D	322E3631	
(2240)	38323036	362E3030	20323234	372E3737	20202031	342E3133	2020202E	30313832	20203239	312E3738	

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2553	MJT

ISEE 1 + 2

FAST PLASMA 2D

77-102A-01F

77-102B-01C

This data set catalog consists of 1 data tape. The tape is 9 track, 1600 BPI, ~~ASCII~~ EBCDIC with 32 files of data.

Time span is as follows:

D#	C#	TIME SPAN
D-34020	C-20632	11/07/77 - 1/01/78

ISEE 1 & 2

2-D PLASMA TEMP TENSOR DATA

77-102A-01F SPMS-00311

77-102B-01C

THESE DATA SETS HAVE BEEN RESTORED. ORIGINALLY THEY CONTAINED ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN EBCDIC. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 360 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005264	DS005264	D034020	1-32	11/07/77 - 01/01/78

MAX-PLANCK-INSTITUT FÜR PHYSIK UND ASTROPHYSIK

INSTITUT FÜR EXTRATERRESTRISCHE PHYSIK
Dr. Götz Paschmann

8046 GARCHING b. MÜNCHEN
TELEFON MÜNCHEN (089) 3299 /868
TELEGRAMM:
EXTERRAPLANCK GARCHING b. MÜNCHEN
FERNSCHREIBER: 05 215845 xterr d

Dr. J.I. Vette
Code 601
NASA
Goddard Space Flight Center
Greenbelt, Md. 20771
U.S.A.

July 4, 1979 P/mr

Memo-MS

ISEE-1 I101

CONF3.

ISEE-2 I201.

Subject: Data tape for CDAW on bow shock

Dear Jim,

Please find enclosed a tape with the Fast Plasma Experiment data from ISEE-1 and 2 for the 16 events selected by Greenstadt. A description of the format and a sample printout is enclosed. As discussed with Dr. Teagne on the phone, we have added a few quantities at the end of each logical record, otherwise the format is the same as for CDAW 1.0.

Yours sincerely,

Göh

G. Paschmann

Enclosure

77-102A-01F *
77-102B-01C

Tape with proton and electron (2D-) fluid parameters from the Fast Plasma Experiments BAM (Exp. 2) on ISEE 1 and PAD (Exp. 20) on ISEE 2

No - label files

Files no. 1-16: ISEE-2 (PAD) data for 16 selected periods
17-32: ISEE-1 (BAM) data for same periods.

See page FPE-4 for specification of periods.

Records: formatted
logical record length: 200 characters
physical rec. length: 4000 characters

log. record: ISAT, MOD1, MOD2, JSP, JSE, IYEAR, IDAY, MSEC, IORB, TSPIN, GSEX, GSEY, GSEZ, DENP, DENE, VP, VE, AZP, AZE, TP, TE, HDENP, HDENE, TPXX,TPYY,TPXY, TEXX,TEYY,TEXY

format: I2, I2, I1, 2I1, I4, I3, I8, I4, F7.3, 3F7.3, 2E10.3, 2F7.1, 2F6,1, 2E10.3, 2E10.3 , 6E10.3

Note: The first 23 items (ISAT to HDENE) are identical in sequence & format to those submitted to the CDAW, DEC 11-15, 1978.

6 items (TPXX to TEXY) have been added (format 6E10.3), and the logical/physical record lengths have been increased.

Elements of a logical record:

ISAT = 1 or 2 for ISEE-1 or -2

MOD1, MOD2 describe mode of operation etc. (counting rate matrix, data rate)

MOD1 =				MOD2 =
1	HDR	16 x 16	1 spin 16 x 16	1 (always)
2	LDR	16 x 16	1 spin 16 x 16	"
3	LDR	8 x 8	1 spin 8 x 8	2 or 3
4-6 not used here (3D data)				
7	HDR	8 x 16	1 spin 8 x 16	"
8	HDR	16 x 16	2 spins 8 x 16	"
9	LDR	8 x 16	1 spin 8 x 16	"
10	LDR	8 x 16	2 spins 8 x 8	"

MOD2 = 1: data from sensors 2DA + 2DB
= 2: data from sensor 2DA
= 3: data from sensor 2DB

nominal spacing of data points (in seconds):

MOD1:	1	2	3	7	8	9	10
Δt =	3	12	3	3	6	12	6

JSP = 0 or 1: proton low-/high-energy sweep
JSE = 0 or 1: electron low-/high energy sweep

IYEAR, IDAY, MSEC = (full) year, day of year; milliseconds of day; at start of first sweep

IORB = orbit number; positive (negative) for outbound (inbound) portion

TSPIN = spin period (in seconds)

GSEX, GSEY = S/C position (solar ecliptic coord.), in earth radii

----- in the following variable names the last letter (P or E) indicates proton and electron data, respectively -----

name	Variable	unit	plot scale	range (approx.)
DENP	number	cm^{-3}	log	0.1 – 400.
DENE	density		same	
VP	bulk	km/s	lin	40. – 400.
VE	speed		lin	40. – 700.
AZP	flow	degrees	lin	0. – 360.
AZE	azimuth (eclipt. plane)		same	
TP	mean	Kelvin	log	$1 \cdot 10^5$ – $2 \cdot 10^8$
TE	temperature		same	
HDENP	density of energetic part of distrib.[1]	cm^{-3}	log	$1 \cdot 10^{-3}$ – 1.
HDENE			log	$1 \cdot 10^{-4}$ – 1.

TPXX, TPYY, TPXY, TEXX, TEYY, TEXY } components of p- and e- temperature tensors (S/C coord.s)

units, scales & ranges as for TP and TE

Exception: TPXY and TEXY < 0 possible! Do not compute logs, No plots needed.

1) _____

lower energy thresholds:

HDENP: ~ 7 keV

HDENE: ~ 2 KeV

FPE data from ISEE-2 (PAD) File no	FPE data from ISEE-1 (BAM) File no	Periods covered
1	17	7 Nov, 1977 (311) 2242-2300 UT
2	18	10 Nov (314) 1000-1130
3	19	15 Nov (319) 2212-2236
4	20	16 Nov (320) o3oo-o318
5	21	30 Nov (334) o612-o712
6	22	5 Dec, 1977 (339) o5oo-o612
7	23	6 Dec (340) o825-1700
8	24	7 Dec (341) 1130-1200
9	25	7 Dec (341) 17o1-17o8
10	26	8 Dec (342) 2130-2215
11	27	9 Dec (343) 2130-2248
12	28	10 Dec (344) o512-o536
13	29	18 Dec (352) o724-o8oo
14	30	21 Dec (355) oo12-oo48
15	31	24 Dec (358) 1132-1142
16	32	1 Jan, 1978 (1) 1745-1750

Note: Beginning with file 24 (BAM, ≥ 7 Dec 1977):
HDR: time resolution = 6 s (instead of 3 s)
LDR: angular resol. = 8 sectors (instead of 16)

ISEE 1 & 2
77-102A-01F
B-01C
D-34070
11/07/77 - 1/01/78

DUMP OF TAPE X-400

INPUT TAPE X-400 ON MS3
DATA INPUT H9 NF 32 FL 1 1 1 SR 32 1 1 SR 32 LAST 1

FILE 1 RECORD 1 LENGTH 4000BYTES

(0)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F6F8F0	F8F44040	60F74040	F340F1F2	4BF9F6F6
(40)	406 F54B	F7F0F540	40F64BF4	F3F540F6	4BF5F0F3	C54EF0F0	40F84BF6	F7F4C54E	F0F04040	F2F3F44B
(80)	F64 40F3	F9F84BF5	40F1F8F0	4BF540F1	F7F34BF7	4CF44BF0	F9F3C54E	F0F540F1	4BF7F2F1	C54EF0F5
(120)	40F94BF5	F6F4C560	F0F440F5	4BF6F1F0	C560F0F5	4CF74BF4	F8F2C54E	F0F540F7	4BF0F3F5	C54EF0F4
(160)	60F14BF1	F5F0C54E	F0F440F1	4BF6F8F1	C54EF0F5	4CF14BF7	F6F1C54E	F0F540F1	4BF7F8F3	C54EF0F3
(200)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F7F1F0	F8F44040	60F74040	F34BF0F1	F340F1F2	4BF9F6F6
(240)	406 0F54B	F7F0F540	40F64BF4	F3F440F1	4BF1F9F7	C54EF0F1	40F84BF8	F3F7C54E	F0F04040	F2F3F14B
(280)	F040 0F4	F1F84BF6	40F1F8F0	4BF440F1	F7F34BF6	4CF34BF4	F1F5C54E	F0F540F1	4BF7F0F6	C54EF0F5
(320)	40F74BF1	F2F9C560	F0F440F1	4BF8F9F0	C560F0F5	4CF64BF4	F6F2C54E	F0F540F3	4BF6F8F6	C54EF0F4
(360)	40F34BF9	F9F9C54E	F0F340F1	4BF6F5F1	C54EF0F5	4CF14BF7	F6F0C54E	F0F540F7	4BF0F3F3	C54EF0F2
(400)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F7F4F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F5
(440)	406 0F54B	F7F0F440	40F64BF4	F3F440F2	4BF0F3F8	C54EF0F1	40F84BF7	F2F2C54E	F0F04040	F2F3F44B
(480)	F84 40F4	F0F94BF0	40F1F7F8	4BF140F1	F7F24BF5	4CF34BF2	F7F8C54E	F0F540F1	4BF6F9F7	C54EF0F5
(520)	40F94BF5	F6F5C560	F0F440F1	4BF8F9F0	C560F0F5	4CF64BF3	F9F2C54E	F0F540F1	4BF6F3F9	C54EF0F4
(560)	60F24BF3	F6F6C54E	F0F440F1	4BF6F5F5	C54EF0F5	4CF14BF7	F4F0C54E	F0F540F2	4BF2F3F4	C54EF0F3
(600)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F7F7F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F5
(640)	406 0F54B	F7F0F440	40F64BF4	F3F440F2	4BF4F8F1	C54EF0F1	40F84BF7	F6F0C54E	F0F04040	F2F3F24B
(680)	F040 0F4	F0F24BF1	40F1F7F7	4BF640F1	F7F54BF2	4CF34BF1	F2F9C54E	F0F540F1	4BF7F0F1	C54EF0F5
(720)	40F44BF8	F0F4C560	F0F440F5	4BF5F6F9	C560F0F5	4CF64BF1	F5F7C54E	F0F540F1	4BF0F1F6	C54EF0F4
(760)	60F34BF2	F4F8C54E	F0F440F1	4BF6F4F1	C54EF0F5	4CF14BF7	F6F1C54E	F0F540F1	4BF0F8F9	C54EF0F3
(800)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F8F0F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F4
(840)	406 0F54B	F7F0F340	40F64BF4	F3F340F3	4BF3F4F3	C54EF0F1	40F84BF7	F9F7C54E	F0F04040	F2F3F24B
(880)	F64 40F4	F1F64BF7	40F1F7F4	4BF940F1	F7F24BF3	4CF34BF0	F4F6C54E	F0F540F1	4BF7F0F5	C54EF0F5
(920)	40F24BF4	F2F0C560	F0F440F1	4BF8F9F0	C560F0F5	4CF54BF9	F5F0C54E	F0F540F1	4BF4F1F2	C54EF0F4
(960)	60F54BF6	F4F2C54E	F0F440F1	4BF6F6F7	C54EF0F5	4CF14BF7	F4F4C54E	F0F540F1	4BF5F8F4	C54EF0F3
(1000)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F8F3F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F4
(1040)	406 0F54B	F7F0F340	40F64BF4	F3F34 3F3	4BF1F7F6	C54EF0F1	40F84BF8	F1F7C54E	F0F04040	F2F3F24B
(1080)	F040 0F4	F0F64BF1	40F1F7F4	4BF440F1	F7F54BF0	4CF34BF0	F1F2C54E	F0F540F1	4BF7F0F4	C54EF0F5
(1120)	40F24BF4	F2F0C560	F0F440F2	4BF9F9F2	C560F0F7	4CF54BF8	F7F5C54E	F0F540F1	4BF4F7F6	C54EF0F4
(1160)	60F64BF6	F6F2C54E	F0F440F1	4BF6F4F6	C54EF0F5	4CF14BF7	F6F1C54E	F0F540F2	4BF0F8F2	C54EF0F3
(1200)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F8F6F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F3
(1240)	406 0F54B	F7F0F240	40F64BF4	F3F340F3	4BF3F8F7	C54EF0F1	40F84BF6	F9F9C54E	F0F04040	F2F3F04B
(1280)	F24 40F4	F0F84BF7	40F1F7F1	4BF840F1	F7F44BF5	4CF24BF8	F9F3C54E	F0F540F1	4BF7F0F7	C54EF0F5
(1320)	40F24BF4	F2F0C560	F0F440F5	4BF6F7F7	C560F0F5	4CF54BF6	F0F3C54E	F0F540F1	4BF8F2F7	C54EF0F4
(1360)	60F84BF2	F1F6C54E	F0F440F1	4BF6F6F0	C54EF0F5	4CF14BF7	F5F4C54E	F0F540F8	4BF5F7F0	C54EF0F2
(1400)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F8F9F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F3
(1440)	406 0F54B	F7F0F140	40F64BF4	F3F340F2	4BF1F7F2	C54EF0F1	40F84BF8	F2F7C54E	F0F04040	F2F3F24B
(1480)	F34 40F4	F1F74BF1	40F1F7F1	4BF140F1	F7F44BF6	4CF34BF0	F3F1C54E	F0F540F1	4BF7F0F7	C54EF0F5
(1520)	40F74BF1	F2F9C560	F0F440F1	4BF8F9F0	C560F0F5	4CF54BF7	F7F1C54E	F0F540F2	4BF9F0F7	C54EF0F4
(1560)	60F94BF1	F1F4C54E	F0F440F1	4BF6F6F1	C54EF0F5	4CF14BF7	F5F3C54E	F0F540F2	4BF5F8F2	C54EF0F3
(1600)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F9F2F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F3
(1640)	406 0F54B	F7F0F140	40F64BF4	F3F240F1	4BF9F2F5	C54EF0F1	40F84BF7	F3F9C54E	F0F04040	F2F2F74B
(1680)	F040 0F4	F1F64BF7	40F1F6F8	4BF540F1	F7F34BF2	4CF34BF0	F4F1C54E	F0F540F1	4BF7F1F2	C54EF0F5
(1720)	40F24BF5	F5F7C560	F0F440F5	4BF6F1F1	C560F0F5	4CF54BF7	F0F2C54E	F0F540F3	4BF7F9F4	C54EF0F4
(1760)	60F14BF1	F4F5C54E	F0F540F1	4BF6F6F2	C54EF0F5	4CF14BF7	F6F2C54E	F0F540F1	4BF0F8F1	C54EF0F3
(1800)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F9F5F0	F8F54040	60F74040	F34BF0F1	F340F1F2	4BF9F6F2
(1840)	406 0F54B	F7F0F040	40F64BF4	F3F240F9	4BF1F5F6	C54EF0F0	40F84BF7	F4F8C54E	F0F04040	F2F3F04B
(1880)	F74 40F4	F0F44BF7	40F1F6F7	4BF940F1	F7F44BF4	4CF34BF4	F9F0C54E	F0F540F1	4BF7F0F4	C54EF0F5
(1920)	40F94BF5	F6F7C560	F0F440F2	4BF9F9F2	C560F0F7	4CF64BF4	F1F7C54E	F0F540F5	4BF6F3F6	C54EF0F4
(1960)	60F14BF3	F8F9C54E	F0F540F1	4BF6F4F6	C54EF0F5	4CF14BF7	F6F2C54E	F0F540F1	4BF5F4F9	C54EF0F3
(2000)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F8F9F8F0	F8F54040	60F74040	F34BF0F1	F34CF1F2	4BF9F6F2
(2040)	406 0F54B	F7F0F040	40F64BF4	F3F240F7	4BF2F6F3	C54EF0F0	40F84BF6	F3F5C54E	F0F04040	F2F2F24B
(2080)	F640 0F4	F0F34BF7	40F1F6F5	4BF640F1	F7F24BF1	4CF34BF4	F2F0C54E	F0F540F1	4BF6F9F9	C54EF0F5
(2120)	40F14BF1	F9F0C560	F0F340F1	4BF8F9F0	C560F0F5	4CF64BF0	F5F0C54E	F0F540F7	4BF8F9F7	C54EF0F4
(2160)	60F14BF4	F0F8C54E	F0F540F1	4BF6F4F7	C54EF0F5	4CF14BF7	F5F1C54E	F0F540F1	4BF8F6F0	C54EF0F3
(2200)	40F240F1	F1F0F0F1	F9F7F7F3	F1F1F8F1	F9F0F1F0	F8F54040	60F74040	F34BF0F1	F440F1F2	4BF9F6F1
(2240)	406 0F54B	F6F9F940	40F64BF4	F3F140F2	4BF7F7F3	C54EF0F0	40F84BF7	F6F9C54E	F0F04040	F2F2F64B

ISEE 1

FAST PLASMA & SOLAR WIND IONS, 2-D

77-102A-01G SPMS-00120

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 6600 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005316	DS005316	D035103	1 - 9	11/03/77 - 01/07/79

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD	MJT

ISEE 1

FAST PLASMA + SOLAR WIND IONS 2D

77-102A-01G

This data set catalog consists of 1 data tape. The tape is 1600 BPI 9 track, Binary with 9 files of data. The tape was created on a CDC 6600 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-35103	C-20706	11/03/77 - 1/07/79

D-35103

ISEE-1

11/03/77 - 1/07/79

A-01G

DUMP OF TAPE X208

INPUT TAPE X208 ON MS2
DATA INPUT H9 NF 9 FL 1 1 1 SR 9 1 1 SR 9 LAST 1

FILE 1 RECORD 1 LENGTH 120BYTES

(0)	3D899800	00000003	D69A0000	0000003D	3C111228	9A14F3D4	C14B87CA	8D9FC2C4	3D5E68EF	EFE3D3AC
(40)	748AF53D	BCC2E706	35722E3C	03D29E0C	F9816FCE	3D4D5607	EF8E4A33	D0B33EE9	AF6[illegible]2F3D	3AC791D8
(80)	[illegible]8653CE	86EB5[illegible]CF	F2123D2A	D54C9[illegible]8A	D[illegible]83D69A	[illegible]	[illegible]C2B4A8	962117E7	3[illegible]	[illegible]

FILE 1 RECORD 44 LENGTH 750BYTES

(0)	C2F78232	031CC35C	30129542	D502B1C3	0366BD29	4F1A1C30	35C0C287	DF59C3[illegible]1	EA9F34[illegible]3	667C3[illegible]09
(40)	7D4A3591	98C2F7FB	C3B38C4[illegible]	EC2F738E	FF3172A8	C2F67EC4	9C9CB88C	2F733163	343FF3C3	[illegible]C7E45
(80)	29924C2F	704D3726	E188C3[illegible]1	124D4B99	32CC3[illegible]4[illegible]	5EE325D2	44C3[illegible]E6	2B82E2A8	9C3 5DFE	C[illegible]AA3F8[illegible]
(120)	C30128AD	8294554C	3[illegible]A710D	CA91ABC3	C0B7D247	3EEC1C2F	7C7DFA80	4063C2F7	B3161765	0E[illegible]C302B
(160)	79E4DCD5	5DC30222	B43225B6	2C2F7561	87F9[illegible]2F9	C2F7D9B1	A0B54E7C	3014D6ED	6A1FC[illegible]C3	[illegible]AF[illegible]BD3
(200)	E4CE6C3[illegible]	01714986	7F8[illegible]C3[illegible]4	2B74A3[illegible]8	245C313A	CE287E[illegible]5	2DC3[illegible]59E	B34AE55C	6C3[illegible]635[illegible]	D4D5455[illegible]
(240)	C3022BD5	52B[illegible]FC5C	302EB7EF	96F325C3	C42[illegible]CC2B	[illegible]D95EC30	20A83B73	C595C3[illegible]1	F11D2780	4C4C3C16
(280)	4594[illegible]C5E	34C30386	851B6952	9C3[illegible]329B	9A715C61	C3C2B13D	4CECF26C	3[illegible]943FF	A75B[illegible]CC3	041C[illegible]2[illegible]
(320)	[illegible]3E8AC2F	7B7[illegible]DD95	7EDFC2F7	829BF6F1	848C2F72	CDD[illegible]21A[illegible]	[illegible]DC3[illegible]06	DC74B64A	6C3[illegible]1421	7C61A85F
(360)	C30190DD	CEC6A[illegible]4C	3[illegible]1E8BFD	6CAAC2C3	[illegible]2DB56[illegible]1	C4[illegible]5CC3[illegible]	26BCAED8	FECDC312	A444FF2F	574C3[illegible]4C
(400)	71738D[illegible]3	9CC2F6CF	F9C6B4F9	4C3[illegible]17B1	B479CC4A	C314E511	773B17[illegible]C	31786530	A9F999C3	[illegible]1[illegible]67DBF
(440)	681FDC33	147BE63F	363F3CDE	169945FC	D[illegible]FC3165	C[illegible]D1FFDA	33C327D9	B6DEA666	DC3[illegible]6B6A	7F7FF877
(480)	C3[illegible]63[illegible]4[illegible]	F333B04C	3[illegible]5C3FB7	7[illegible]EA[illegible]1C3	17662[illegible]EE	FEC6CC3[illegible]	77C6D574	7953C3[illegible]4	C3F[illegible]5E74	559C3116
(520)	27AFD84E	7CC30602	C82F00A8	BC333B2F	FE0B462A	C325E8AF	636C46AC	314A057E	891E373C	DC43DB25
(560)	2749[illegible]C3[illegible]	5F8CFFEE	3[illegible]42C3[illegible]3	EFDC77D4	CB9C3073	76618C64	F0C3036D	15D6D1C9	13CCDF07	7C9[illegible]0235
(600)	C3[illegible]4391F	5BB99[illegible]5C	32519CBC	E1AB78C3	145C21EC	789F2C32	6F7B855E	854BC381	43617611	D[illegible]9C315F
(640)	3E546F1[illegible]	C23CCEFF	3888A0C[illegible]	33CD88[illegible]3	4F9DCD07	3CEB0C68	141F77D3	CEBBCFFE	25[illegible]A7F3C	C9F3FFC6
(680)	D32A63CC	8CF18FFA	76CC3CEC	C65E12CC	48A3D080	0CCC0000	003CD8A8	36[illegible]BA4DB	23CDD2BA	ECA21400
(720)	3CF845D[illegible]	733909F3	CBEA5A2[illegible]	DCEDC83C	E9B2F436	8ADC2C32	6D86C3BA	52[illegible]8		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	44	45	750	0	1	0	0	1	1

FILE 9 RECORD 1 LENGTH 120BYTES

(0)	3D7FA[illegible]00	0[illegible]0[illegible]0[illegible]03	D69C[illegible]000	[illegible]0[illegible]0[illegible]3D	3827AF3[illegible]	C25353D4	C2AC84B1	84ADC2C3	26BA522D	1[illegible]3D2E7
(40)	D2863[illegible]82	28C2F2C7	EEF7CB25	13D1D7[illegible]F	E329571C	3D4D3C25	65B2F68C	2D1E652[illegible]	CEC1583D	2E7CFED8
(80)	48F3EC30	1AA60223	A9613D1E	89BE821F	FAA3D69A	0CCCC000	003DC9F7	3FA0B9D0	700C000C	0[illegible]0[illegible]000

FILE 9 RECORD 242 LENGTH 1170BYTES

(0)	C2F1DB4E	8AFD41FC	2F39CAC2	B2[illegible]8C4C2	F2C16[illegible]F	0C616C2F	39F[illegible]43C8	DB85C2F2	C916A976	37CC2F2A
(40)	89F6C911	6FC2F201	E2E37DD9	4C2F4C7C	B01220AA	C2F27618	B1FD738C	2F34B88C	A39A56C2	F2424A5C
(80)	B5B20C2F	3D24FCCB	96B4C2F2	D8E22274	5D7C2F4D	2DC451AE	9AC2F2C3	F6A79D44	1C2F629F	D27FF8B6
(120)	C2F3ABBD	37A7B4CC	2F5142D4	977[illegible]8BC2	F39[illegible]4787	D6CA5C2F	47D[illegible]A19C	1282C2F5	22A23FEE	3D5C2F5F
(160)	F026D6B3	3DC2F526	AC86F9F5	BC2F5B48	AAFC77F6	C2F23291	C3E5949C	2F63E6[illegible]1	E9B31DC2	F33F9842
(200)	27FFDC2F	7641D22B	7314C2F2	ABE[illegible]ED5E	45FC2F6E	6AD2DC40	76C2F5FD	24631F6C	CC2F72[illegible]E	791C773C
(240)	C2F43ADF	467769BC	2F56DA66	B7B8A4C2	F256D5E8	11DE9C2F	4918E895	9C6AC2F2	E8AB90AF	BD2C300D
(280)	879CDE54	7BC2F6[illegible]D	[illegible]FFAF5F5	73CEFC[illegible]8	778E128C	C2F3C89C	F35D24[illegible]C	2F423FFE	AC5A8EC2	F51[illegible]AC[illegible]2
(320)	2AF78C2F	5E3A86D2	333CC2F3	45444BA8	457C2F5D	6FF217B9	5EC2F33A	8D672C68	8C2F617B	ABE1CD35
(360)	C2F3[illegible]35F	5B71FBDC	2F724C35	2E78E9C2	F2F8D474	C26BDC2F	495455BD	57A2C2F2	F692AE9B	E51C2F61
(400)	D[illegible]EBD48[illegible]	6[illegible]C2F39[illegible]	6A2CFF9D	2C2F6F43	9058FE[illegible]D	C2F2D9[illegible]B	B96117AC	3[illegible]D36BD	1CD3EDC2	F328E218
(440)	71CB5C2F	739D3112	B349C2F1	E1CA73F4	19CC30CC	118D5BF2	DBC2F215	CB77[illegible]195	9C2F73EB	B1[illegible]8ACCF
(480)	C2F38F1E	2ACB1E8C	2F73EDC5	9F66[illegible]8C2	F39B65F2	BE9CCC2F	7819[illegible]2DF	DF61C2F3	3D8F5F49	65[illegible]C2F61
(520)	8BED2557	5BC2F344	[illegible]03356D5	[illegible]C2F56D[illegible]	F747BD9D	C2F4A1C5	E78B5E[illegible]C	2F4F9A13	EE[illegible]72[illegible]C2	F[illegible]958CF6
(560)	4B8E6C2F	49961AA8	5A[illegible]9C2F2	7EB5BE11	E16C2F4E	FC62[illegible]2C3	26C2F3B9	AAC3B9F6	9C2F4133	4A5E2B4D
(600)	C2F1EE3F	EF5CBD8C	2F489A3D	D1A[illegible]ADC2	F391[illegible]0EC	B5DCBC2F	373CEF1C	1BF9C2F2	C273F44D	5B5C2F3F
(640)	FF1C3A2F	1EC2F2EA	D3B7ECFE	AC2F392E	[illegible]AFD82F4	C2F3CFE1	B75D6E7C	2F4C2B4C	2F41[illegible]3C2	F4215DA5
(680)	F9[illegible]44C2F	44273BBB	BCA9C2F6	2EC3A[illegible]4C	52CC2F6D	6994D4C6	DAC2F1FD	[illegible]BDA7E6D	6C2F328E	233AA791
(720)	C3[illegible]0ABB	38B41EFC	3[illegible]D14FC	[illegible]3A934C2	F64B59E6	4[illegible]F95C2F	4AF18D23	CACBC2F3	7BA2CB2D	4CCC2F41
(760)	CF91CF3D	81C2F638	3066C91C	CC2F4C68	F0CD[illegible]6D	C2F46E78	CAC3[illegible]DDC	2F433B17	7DBE4AC2	F451922C
(800)	4CB26C2F	2C85DDCB	ECF6C2F3	CF5F2D1A	[illegible]F2C2F32	ABA5C3A5	14C2F2A4	6452D365	CC2F1E65	8A282D6B
(840)	C2F2DC2[illegible]	8A3E355C	2F2BC364	C4F[illegible]17C2	F2CD5F9E	CEF9[illegible]C2F	3958[illegible]45B6	C12FC2F5	2F2F94A2	43[illegible]C2F36

ISEE 1

3-D 6EV-10KV ELECT SPECT DATA

77-102A-02A SPMS-00284

This data set has been restored. There were originally seven 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004251	DS004251	D032065	1	12/01/77 - 12/12/77
		D034068	2	11/07/77 - 01/01/78
		D035059	3	11/02/77 - 01/07/79
		D047327	4	03/21/79 - 03/31/79
		D073982	5	01/28/83 - 01/28/83
		D073800	6	03/25/83 - 03/25/83
		D073799	7	03/26/83 - 03/26/83

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD0912	MJT

ISEE 1

3-D 6 EV-10 KV ELECTRON SPECTROMETER

77-102A-02A

This data set consists of 4 tapes. The tape D-32065 is 6250 BPI and all the other tapes are 1600 BPI. The tapes contain binary data and were created on an IBM 360 computer. The D#'s, C#'s and time spans are as follows:

D#	C#	TIME SPAN
D-32065	C-20131	12/01/77 - 12/12/77
D-34068	C-20650	11/07/77 - 01/01/78
D-35059	C-20680	11/02/77 - 01/07/79
D-47327	C-22131	03/21/79 - 03/31/79

ISEE-A

77-102A-02A

FORMAT

WORD	DESCRIPTION
1	Blocked Control Word
2	Record Control Word
3	1st 4 bytes = YR (I*2) last 4 bytes = Day of YR (JAN 1 = 0)
4	Hour (INTEGER)
5	Minutes (REAL)
6-41	18 double precision data
42	Record Control Word
44-	Repeat of Words 2-41

D-35059
A-02A
11/02/77 - 10/07/79

DUMP OF TAPE X-210

INPUT TAPE X-210 ON MS2
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 16004BYTES

(0)	3E840000	00A00000	004D0132	00000004	404C2869	C72841A6	CB5B5D8A	46476766	1E7CF397	C610EFB0
(40)	921467E1	47288452	EFCCCCAD	42ADAC87	0D681000	C117F3DD	C77063F0	3EA608F3	1576339E	BE13476E
(80)	E02D00E9	BE403890	4D06D544	3EB31030	569585A7	43161605	E4741A80	C2150470	735286F4	00000000
(120)	00000000	00000000	00000000	00000000	00000000	451DB50E	170333BF	41121CD3	1D2A78D5	41362CA5
(160)	42115AF2	00A00000	004D0132	00000004	408E00D1	C7283887	EDBBEC42	462E8328	2273F268	453B7BC7
(200)	43230CBD	472853BF	9146D259	42AFDDAC	C4C37800	4C5483AE	F07AF900	3E5F97AC	8B93DEAC	BE173649
(240)	E2FF3CA3	BE2D6098	EC66F17D	3E6C54FE	777C9C5B	4315A59D	F126C800	C218C370	AAFCDF16	00000000
(280)	00000000	00000000	00000000	00000000	00000000	451DDBEC	452762B9	4112FC54	52B4EF39	413856AB
(320)	A1664C30	00A00000	004D0132	00000004	40DBDA51	C72912D7	AEFFF9BE	462D3D3E	CE2FC64D	C61BA406
(360)	E690A9D5	47293500	4ED64218	42B00FD4	9E287000	C12671A1	C4D2B540	3E1CCEDA	C6BF95C9	BDE55EF7
(400)	CCB7351C	BE7A39CB	6C7CB680	3E7E63F5	BE007611	4314D8B1	CC33E580	C24B402A	9CF43249	00000000
(440)	00000000	00000000	00000000	00000000	00000000	451E8324	9BCC9841	4112ACD7	130E0F49	4135A3C2
(480)	B1368CC0	00A00000	004D0132	00000004	41129B2B	C726ECCE	D0E398A2	4650CB89	AF82AF0E	C6138C19
(520)	EE5986AD	47274527	D5CC2015	42AC9BB1	09FF2800	C11C772B	9EFA2610	3E39A953	D6E615C7	3E31A223
(560)	62AD57AE	BE52D99	D14D3E1F	3E6E87A2	DE6D37D7	4228B88F	FB179800	C22E8080	F8E2D237	00000000
(600)	00000000	00000000	00000000	00000000	00000000	451DE4C7	1D5C3BD0	4112432E	C987953F	4138E4CF
(640)	E8AA291A	00A00000	004D0132	00000004	411778B2	C7264617	498F7747	4635ADCB	7C38B119	4583CDAC
(680)	C15B2D03	47266C8B	5493CF99	42AEFD82	CBD0D0CC	4CC48B93	86B3F900	3E99D1D5	FE39F308	3D952DC6
(720)	A126B138	3DBC2257	82D6DB6A	3E9A7E96	EFB8C59B	41377AF9	FDE728DC	41416064	709A7250	00000000
(760)	00000000	00000000	00000000	00000000	00000000	451D1644	B91A16AC	4111F2CE	6DA4BBFA	4144A4FF
(800)	C6837B15	00A00000	004D0132	00000004	411C564A	C72469EC	02EEDCBE	4631CCDA	18F88939	4574B8DE
(840)	B1219003	47248C92	E0FFEA5D	42AF1E7E	FC2988C0	4CB6FBEB	94F1D100	3E92E72B	2C08741C	3E5F99C6
(880)	CE3A27F1	BE67F29E	A6239AF9	3ECBC6F1	16C673CF	4221CE16	AA71B3D0	C21EABBA	D88B5FE9	00000000
(920)	00000000	00000000	00000000	00000000	00000000	451C079F	7DA36C89	4114A691	F7ABEE38	41412C21
(960)	0E5A2CC0	00A00000	004D0132	00000004	412133D0	C725FD7B	14B6F94C	4660AB95	94B9C5A4	461D2FE7
(1000)	BA4440C5	472682C6	04DACFCD	42AAF697	7BC29800	412E70C1	EA40E410	3E4CD8D3	FEA62612	3E72AC4A
(1040)	479F856E	BE29533D	55198C39	3E90181A	BB000000	42382C1F	994B2800	C210AA81	0DC3EE29	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	45196FC2	F33E1304	41114B7B	99DA9954	413B931B
(1120)	CE720288	00A00000	004D0132	00000004	41261156	C7267D07	6C60EBF5	464CDD47	60B83166	C61AD239
(1160)	A8F88E86	4726D2C0	E99DF3BC	42ACE294	5B6E9000	C1279861	3355AFC0	3E2003D1	551553CF	3E1F31B6
(1200)	9B9DC8CE	3E1FC768	E3027E56	3E36D839	C3DD99E1	422C418F	7B2E8800	4223692F	0E647CC3	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	451DBF4B	005177FB	41131946	9511A372	412D4A66
(1280)	D5937C4D	00A00000	004D0132	00000004	412AEF00	C721EEC3	959BF553	4624A4ED	47E0235C	46304897
(1320)	C657F47E	472224BC	E71A014A	42B02374	F700AA80	41512147	775F37B0	3F1F72E2	AFDCCD6B	BD765972
(1360)	5D9D615F	BE165FE0	93233BCD	3E274C5E	67623627	4315AC39	AA052680	C222B477	8000E231	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	45185B03	CA739AB0	41128C1C	A235F008	41478E3F
(1440)	67F5A720	00A00000	004D0132	00000004	412FCC75	C7251341	4D056246	463E11C9	7B95A8DB	C612164F
(1480)	82DA94DD	47254B75	18C1ABEB	42AE06C3	8BAB2000	C11BCA98	A197A2A0	3E63112F	BE122B7D	3E9422E3
(1520)	261405CD	BE4CDD17	DACCCC33	3EC2143C	080947F1	42383A22	A0B39000	C21754BE	916F60C1	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	451DFCC4	48C81712	4113C8DF	9B5E6E49	413C29FF
(1600)	C71B93FA	00A00000	004D0132	00000004	4134A9FB	C7249018	8BD41CF7	465ABF9E	BE3E27AB	C558C5D5
(1640)	51DA2200	47250C78	E37DF178	42AB2EA0	04A6B800	CC89762C	3EA52D4D	77816500	133703B2	3E592F4F
(1680)	61DA5024	3E21332D	30E6001D	3EBEA124	377345A0	421C5DBC	36564800	41A079D8	51B681C0	000CC000
(1720)	00000000	00000000	00000000	00000000	00000000	451D67EA	7CF875B1	411456EB	EF3436AF	4137F683
(1760)	01369A32	00A00000	004D0132	00000004	41398793	C7263884	4DBC8624	464BA220	D203FD7C	C53D1361
(1800)	23ACD6C3	47268341	704DAE4F	42ACF308	7DF17000	CC5ADCBE	7EE9FA00	3E6CB440	AC4285E1	3E2B3002
(1840)	A3CB731A	BE25EC96	1CF67496	3E7AF69F	4AD64470	4215AAEA	E9719000	C211F6C4	82068697	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	451EA46F	26D974BE	4115DC42	8FCEE1D5	41335906
(1920)	FFD93215	00A00000	004D0132	00000004	413E652B	C72681D6	16B2D529	4646464E	CCC89EE5	C619BCB3
(1960)	96557B08	4726CA4B	B34518B6	42AD7E21	D1257000	C126C6BA	A9885640	3E55E1AE	C82C4B51	BE1CA169
(2000)	38B3566A	BE442F07	9DC35ECC	3E6EE932	D99E64D1	4315DCA4	DF874280	C225EF3E	5EF43025	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	451E7D91	B59D2672	4114CDF7	8CD7BCB4	413CA4B1
(2080)	798BA2FD	00A00000	004D0132	00000004	414342B2	C7289468	EEDCB4AE	464C1B8D	38A7D831	C629FE28
(2120)	9DD1C41F	4728F118	1F944C0E	42AD506A	EE4BB800	C13ACE8F	F5B9C9A0	3E5A28D7	49A82C5A	3E6D9F2C
(2160)	284FC88C	BE6C673D	8D3E667F	3EB298DF	743AF46D	42329065	75CB48C0	C2255EEC	68E26087	00000000
(2200)	00000000	00000000	00000000	00000000	00000000	451D628F	79822737	4113C511	EB4813E3	4131539B
(2240)	6907521D	00A00000	004D0132	00000004	41482038	C727DB07	3CD2A302	46036CA5	9CED880E	C619E9E6

(15520)	964FF7F8	00A00000	C04D0132	00000004	421E5D2A	C726B7FF	A0ECAAD5	464077E7	ED3691C9	C564C97E
(15560)	EC452E0B	4726ED20	32A85F0C	42AE0E70	A6F40000	CC9459AC	D2709700	BE4E8E2D	46862848	3D63EA0D
(15600)	EA111A00	3E30B88F	A844D5CC	3E5D7F5C	AC909CF0	42AF82F8	8942E000	421F67D7	80224C26	00000000
(15640)	00000000	00000000	00000000	00000000	00000000	4518179E	675FB90A	40E59AC4	84721934	4137CB8E
(15680)	44B29D0D	00A00000	004D0132	00000004	421E5BC4	C7283BA7	ECEFD6BD	46575199	DB0CC174	C5BAFF7A
(15720)	A445FA51	47289BA9	31F0A814	42AC4668	E2E64000	C11C7DB6	72631230	BE2FDE62	EF74E26A	BDE6653E
(15760)	6730859D	BE329FF1	8DD8991B	3E472528	89D24D7A	42C4BDF1	B6500000	C22D5CE1	CC8DBD2B	00000000
(15800)	00000000	00009C00	00000000	00000000	00000000	4517C205	A7E55026	40E90AFE	EC8882C3	413749F0
(15840)	BAC8756D	00A00000	004D0132	00000004	421EA8DC	C728C10B	0FFF0157	464C1BE3	E54E8A58	C5359843
(15880)	CE7DA282	47290801	C5B09F7E	42AD57A5	2E7AA000	CC4AD6A3	1F698400	BE8AB118	7F7519C0	BE3130F9
(15920)	2AAB261D	3E27B742	AE464837	3E986C18	DF990B79	42C78745	6C482800	41F1A840	65C1F0A0	00000000
(15960)	00000000	00000000	C0000000	00000000	00000000	451819E2	2378E336	40ED24CD	D51E82E0	41372568
(16000)	BCAFF2A0									

FILE 1 RECORD 144 LENGTH 10244BYTES

(0)	2804000D	00A00000	C04F0006	0000000D	42328EB9	C715850C	C1577FAA	C6A05A30	5F400C0D	C713D10C
(40)	619DBE25	471EEC4F	00B6350A	42CCF8C7	EC095000	C227DAA7	0B8EEB18	BF4E5EC3	CC2ABE36	BF19E4D8
(80)	B07BFEF7	BF4BF11E	E197FDF4	3F702813	0B2555AF	42C648C5	812D3800	C22A9E2F	345A46C5	00000000
(120)	00000001	00000000	00000000	00000000	00000000	457306E4	A1D8619A	40DF367D	DA6578F0	4217A773
(160)	A25D3FBF	00A00000	004F0006	0000000D	4232B5A0	C7167F38	DD8FB78B	C6B3C0B2	11B4E508	C716574C
(200)	A8CB2D2B	4721A313	C83C8158	42CE8953	E3DDC800	C2299E90	40AB8096	BF5CEC96	AC45307E	BF4A5254
(240)	12692505	BF817FC2	05A07070	3FAFDD84	DB311E05	42DAA726	1558B800	C22F6BF5	3B5CAB7F	00CC0000
(280)	00000000	00000000	00000000	00000000	00000000	4571611A	BBB5AFF2	40E0C71B	061F1B88	42182120
(320)	B77EA903	00A00000	C04F0006	0000000D	4232DC86	C713F052	77288E6F	C6AE8B8E	29F18BE9	C7113981
(360)	C5ED1B38	471C847D	6B6D407C	42D0AF22	FE4CB800	C2252832	5B9ED43B	BF547DC4	95176D39	BF27C02C
(400)	17D364AC	BF7CF696	2365CDEE	3F925B85	9C50DB49	42CCC70D	F6DE4000	C23284C0	EFD1255D	00000000
(440)	00000000	00000000	00000000	00000000	00000000	4569704B	7E42367A	40E406D2	AD585116	421370EC
(480)	CCE3C64F	00A00000	C04F0006	0000000D	4233036E	C712F7C2	9CE5E69A	C698008E	6583C1B2	C6F9BEE1
(520)	97AA642B	471A5673	AEE653F0	42CE9AA2	770E28C0	C224586F	49AB8AB1	BF4C2BFE	77A6BE54	BF4C930C
(560)	5961B03A	BFA35B20	C0103763C	3FC3D582	4FC8DAE6	42E12698	366BB000	C2388728	BF57E0B5	00000000
(600)	00000000	00000000	00000000	00000000	00000000	455DC245	9369F17A	40EBB1DF	FD8423B9	42107D5E
(640)	EEE9494F	00AC0000	004F0006	0000000D	42332A55	C71325E1	A34D8FD0	C6A00D8B	C4BD472C	C6E1F5A8
(680)	B65A893D	4719CF5C	688852A5	42CF955A	7DEA2000	C2212C51	2A571C7C	BF80E931	23AF80C9	BF53301A
(720)	18E3FC4C	BF998580	898A8103	3FD90AB5	A1BC21BF	42D4D59F	EB8B4800	C22D54C5	8916DB4A	00000000
(760)	000000C0	00000000	00000000	00000000	00000000	4567944E	CFFE1EB8	40E28BFA	ABC40B7C	42132AA6
(800)	C8BC3A4B	00A00000	C04F0006	0000000D	4233513C	C71A7A35	8CFB573E	C696FF83	588DD11D	C6F63A08
(840)	4EAD2B3C	4720BBC2	BDE75DB7	42C79E12	A76CE000	C21CB32C	B3F59676	BF4E62DE	B3BDC82F	BF6D5376
(880)	5FB7DAC4	BF79FCED	A1A7F163	3FAE14B8	734B5033	42E6DCCA	78D87000	C22C7CD0	D14496B7	00C00000
(920)	00000000	00000000	00000000	00000000	00000000	45696EE5	246C432A	41146A67	F7669C86	4212E709
(960)	0765CB2F	00A00000	004F0006	0000000D	42337824	C716506E	E6CD711D	C6263E7F	BF32F705	C7187287
(1000)	36524842	47212F9D	C966D64B	42BA1D28	AED30000	C22F72FA	683C1E5F	BF44AD85	0ECE0089	BF614AB5
(1040)	9D91EED5	BFCC7F44	D96A1FB8	3FECA56D	781ED566	42FAC81D	9E4FC000	C23BC913	B034E0A8	00C0C000
(1080)	C0000000	00000000	00000000	00000000	00000000	4567B5FC	750D90F4	40BAB838	CB002009	41FA8208
(1120)	761AA180	00A00000	004F0006	0000000D	42339F0B	C7152B90	654A0636	C6B90BC1	248BF4DE	C715EC9A
(1160)	3952DF2B	472098FE	8BF5FDA6	42D0A5D5	30A5C800	C22A440C	3C8E5D66	BF33F712	A2267358	BF30780B
(1200)	01720600	BF5C44D7	FC36D652	3F747604	06049CA9	42DF018D	9DADD000	C2346600	4AF5798E	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	4579AC1A	7BBEC890	40E5BE24	C12D01E8	41FFB602
(1280)	3DFCA642	00A00000	004F0006	0000000D	4233C5F2	C7190BBD	41BD10BD	C710E9B8	574787A2	C6CD7EBA
(1320)	1159739A	4720D662	62E9AA98	42D607B8	9F785000	C2170639	7ED3CD55	BE8396C7	2956BFC0	BED18433
(1360)	86DAB330	BF631634	BC02CCFC	3F64493B	95268351	42EDDE51	4F308000	C251214C	F3062D8E	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	457C3EEF	B135AB80	40D2B54D	106FBFB7	41F37533
(1440)	4FFDE496	00A00000	004F0006	0000000D	4233ECD8	C713594D	7D406154	C715381F	85A8DDDC	C6B61AB4
(1480)	D21539AC	471FE3C2	CEC7A182	42E3A3B7	28BE7800	C2159ED8	119F0B66	BE635A24	94E021E0	BF2AD052
(1520)	AA599CCE	BF9AE31A	47155FF3	3FA0D0BE	B0DBDF93	431C5BF5	3979B000	C24A64F3	B9B248C3	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	456FA475	5F280444	40DDC324	F8F8FB73	4211271C
(1600)	1A824FE1	00A00000	004F0006	0000000D	423413C0	C7148100	952C71A8	C6F5C3BA	A786A63B	C7118A9E
(1640)	263E3922	471F0CA0	60D77E43	42D8D67C	AA760000	C2226630	2F8B6898	BF55B413	214832AF	BF32C239
(1680)	533DC745	BFE5B176	52D3864A	3FFA5C58	53E67E3A	42D2A2E7	1E7E6800	C2428E52	9FFE2016	00C00000
(1720)	00000000	00000000	00000000	00000000	00000000	4566D1E3	F8F3F3CC	40E8A400	847B477F	421260F8
(1760)	7AB54DBF	00A00000	004F0006	0000000D	42343AA7	C7161C38	00BF1E3E	C6F83BF6	89B5FE82	C7108711
(1800)	87CD6264	471FAA77	6268C352	42D70E93	61004000	C21F7659	0766DA19	BF44C918	61521FB9	BF2D13B7
(1840)	7DCDBFD4	BF91A648	C4848695	3FA74388	1A75167A	42D53CD9	CE738800	C23C8C92	3EC7634D	00C00000
(1880)	00000000	00000000	C0000000	00000000	00000000	456EF859	C710DED4	40E4B0D9	D943E53C	4214DB26
(1920)	BF74AB0D	00A00000	004F0006	0000000D	4234618E	C7190B9C	C7220533	C6F6E9A8	D9826FFC	C6E4D485
(1960)	3A902D90	4720B5D4	8C0D4D36	42D3A3C0	BCA1F830	C219ED5F	0C979ABF	BF25FF2F	2A56509F	3F16F008

D-34068
11/07/77 - 11/01/78

DUMP OF TAPE X210

INPUT TAPE X210 ON MS2
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 21 30 16004BYTES

(0)	3E840000	00A00000	004D0136	00000015	42112704	C71B8232	57AB6C6D	46243491	221CD82C
(40)	AF6362C7	471B9A57	B9AE5F47	42AF4C1A	57A1D80D	CC9424B0	E59D920D	BEDE79BF	8466907A
(80)	E3B16B8B	BE525AAB	E9490FA7	3F1E4533	D5F4D866	42F23734	F9F1FC7F	C19CA442	5FA89D9F
(120)	00000000	00000000	00000000	00000000	00000000	451F732B	7C659497	4112DAC9	3AFCB86E
(160)	E596F582	00A00000	004D0136	00000015	42114EC3	C71B2AA3	EFE72481	461B9B1E	D00CE5BC
(200)	BA0A2FF5	471B36A3	7862E03E	42B0C2E6	BC7C478C	CCE862E5	9079E90D	3E49E0A5	BEE5E9AC
(240)	9358B779	3E87A77C	F0BFDF47	3F28F913	D64AA12B	431149DB	8C5DAC7C	41BF13AA	C9E2F24
(280)	00000000	00000000	00000000	00000000	00000000	451FD5B7	BCFE1C85	41134F3C	7D99E2ZE
(320)	6683B6F2	00A00000	004D0136	00000015	4211C389	C71992FE	6CE6B555	46224D3B	43EFC81E
(360)	020F013B	4719AA7A	27933B32	42AF353C	C5E5A8D0	4CB881BE	C67EB5C7	B49A1E5B	827184EC
(400)	78CFA29F	BDAEABF4	141F104B	3F16E866	F3C80695	42F51FED	17598C2C	C11B4F14	ACDF355C
(440)	00000000	00000000	00000000	00000000	00000000	451D2E73	3D07D29E	4112ABDD	0AAE0D8B
(480)	2C718EE8	00A00000	004D0136	00000015	42123857	C71A4BFE	D9898325	463C3B45	35C89093
(520)	F41A35D7	471AA1B3	C990EC45	42ABDA57	4EAED8C0	414CE4E6	40CD673C	BE34A5DB	6FCE7866
(560)	C593E0C0	3E49A250	28C4320C	3EA63383	6A69816D	42F94E67	3566C020	421A4C5C	921088E3
(600)	00000000	00000000	00000000	00000000	00000000	451C299F	3B669015	4112B527	5C2647B6
(640)	D1886742	00A00000	004D0136	00000015	4212AD1B	C71A85E8	7B5D93CC	46532E7B	F9ABF89C
(680)	07BE5AED	471AB728	6D38DD34	42AD1FD4	99863700	CC423453	F836B5D1	BEB3BACC	741C6C6C
(720)	82323A62	3EA4D9A9	798A6419	3F124937	B9FB225A	42DDF6B3	5E9008C3	42224B57	EEBB77CA
(760)	00000000	00000000	00000000	00000000	00000000	451F3AD9	51E17FFC	40DB2C41	92ED2AEC
(800)	C2181CCA	00A00000	004D0136	00000015	4212D403	C71C86F3	6708B621	4a1FB6A3	6FCE954F
(840)	48C43549	471CA3FD	0F7304D9	42B00679	2976A800	C1333204	E8247FA3	BF45A9F4	EA9AEC8F
(880)	E025153F	3EF479E2	CE8301A7	3F1FE766	458A01A6	43104ED4	781AFC0D	421C9D97	1DA9B8A4
(920)	00000000	00000000	00000000	00000000	00000000	45236A7E	DA4CAE14	41139AE2	79CE59E4
(960)	C4EB2AF5	00A00000	004D0136	00000015	4212FAEE	C71DFA37	C4C2AEC2	4625A942	31A9BED6
(1000)	993DF6AC	471E34E4	FF6154A0	42AF9591	75042000	C1588412	6F9111E0	BE10CE21	2A1C0124
(1040)	DFB3B02A	3E703BA4	6D1A852D	3F154015	91BE7100	4310AFF9	12FE2002	42134A3C	3622A391
(1080)	00000000	00000000	00000000	00000000	00000000	45237B0F	E4A9EB86	41121EE9	FED5E22A
(1120)	09247628	00A00000	004D0136	00000015	42136FB4	C71C2D29	AE8A8C1A	46232974	A29CF642
(1160)	9B5DCF55	471C5033	74E34E36	42AF8A3F	C4997800	C1373CEF	4AE5D3F0	BE45A7AD	124CB3AE
(1200)	14A2971C	3E38B557	B18C121F	3EF29E53	B69CD142	42FCDB8A	3BB18C10	41D845DD	E33F87D
(1240)	00000000	00000000	00000000	00000000	00000000	4522EDCC	4FB995AE	4111FACE	A955B972
(1280)	36CF9970	00A00000	004D0136	00000015	42138D8F	C71C7BD3	B461EBD1	4e33A69F	5aC7C615
(1320)	D41BDA90	471CBEB7	C5257B8D	42AD88A7	9D1C5D0D	C143F514	4A4A7B6D	3E3ED2EC	4E2EDD12
(1360)	307971D9	3E24FADF	5B432046	3F189126	DE1C9544	43116CB3	D3FEC8D7	41565F99	31F41D1
(1400)	00000000	00000000	00000000	00000000	00000000	452341F9	87F411EE	4111EC5D	AC0DAD67
(1440)	A88ED348	00A00000	004D0136	00000015	42145941	C71BF97B	17FB335C	46201506F	FB95F63C
(1480)	5AC80CDA	471C3112	53943B5D	42AE3F82	DA0898C0	C14326E7	1BB4C7B0	3E9A37E5	0D7E9766
(1520)	EAF296AB	BD996957	87CF79C0	3F13A8DA	FB1C173E	4312B558	FD6B28E0	C11BFE85	E51F4
(1560)	00000000	00000000	00000000	00000000	00000000	45232CE7	AA4BF134	4111AB4A	5C3A11C6
(1600)	F7CEA40A	00A00000	004D0136	00000015	42148D2E	C71BCC49	1E4CD75E	462C49C5	E7DC12A
(1640)	C885E39E	471C0744	CDDBBEAA	42AE4C1C	81F218D2	C14A58EF	3258749C	3F14E554	EFF5AADA
(1680)	01C24BB1	BD5ACDEC	91052E5A	3F16D291	877F40BE	431114A5	6E3BADD0	C0E3F6B8	C04BABDC
(1720)	00000000	00000000	00000000	00000000	00000000	452308D2	FEBCCDBE	4111C39C	7F9E173B
(1760)	086C7A25	00A00000	004D0136	00000015	4214A71B	C71CC8CC	1C785455	462E15E0	AA4CC61B
(1800)	CBF33907	471C42F2	0C6E85A9	42AE2234	FE16B000	C144CDD9	BE2FDB5A	BE143A1E	8CB7FA1A
(1840)	EF17EA53	3E1C59D3	86B0144C	3F117C8A	E8BF0138	431C9D51	D44EEQC0	415D0DB4	491E0FB0
(1880)	00000000	00000000	00000000	00000000	00000000	4522F994	B7213E84	4111AE50	7C1D56A
(1920)	B7C41A05	00A00000	004D0136	00000015	4214F4F6	C71A82F8	76C32E19	46334154	FA148527
(1960)	BE6B0DCD	471AAEB2	93C7B9B1	42AD1577	89642003	C1467984	17BC6A32	3E6C7EBE	3F82A0F2
(2000)	C76885BA	3E30269D	70E1E2A0	3F1490AB	4FE4FC32	4311F3E8	A73C4000	41AAA2AE	D9600EB7
(2040)	00000000	00000000	00000000	00000000	00000000	45234640	1F3DE8A4	411111C8	A233E971
(2080)	5CCFBD2A	00A00000	004D0136	00000015	42151FE3	C71C429C	579F1EC4	463ACFD6	585C7BF1
(2120)	38C630D2	471C98CA	BC22E632	42ACD6A2	31F19000	C1520B8A	6C46D6E1	3E391642	0F9A9A62
(2160)	A74CDD29	3E25ED33	F9689745	3EEF21FA	AA850F3C	4311BFF1	BCE13300	41420207	DCE989E2
(2200)	00000000	00000000	00000000	00000000	00000000	45235FC7	B8C54178	41111542	D93E3422
(2240)	1FD166DD	00A00000	004D0136	00000015	42158796	C71CD6DB	C1E2A15D	4422D5F4	94172D94

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    97E18F10  00A00000  004D0159  0000000C  421D6C56  C72F794C  8EADDDF2  463B70EE  BCDCB274  C6AC86B9
    3F9ABFDB  4730D315  97D5FAE7  42AF8673  00000000  C1CC24A3  59142F40  3EC915E8  B36E3710  3D118851
    E4DAA0A0  3EF92C1A  B3B589E5  3F140315  C47D28E2  404FEDA7  00000000  42331876  C57D2951  422352B3
    0C0405CF  40130A8C  06B32387  428D776A  A307C5A3  452DDB36  4E1F21E0  4113DA83  7C1E7854  41601A45
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    7480404A  4737FDB4  A34C62D3  42AF7E4F  00000000  C1FB7644  17030920  BE395F08  F6201060  3E55A321
    696C01AE  3ECC1E4C  F479C402  3EE4AB41  BA398163  427BD1BA  00000000  423F34DC  8EB8DC53  4258A640
    403075CA  3F27DAC4  678B44A0  42586F91  23DC9872  452CF731  E2AD6F0A  41129B39  0B68E78D  4168965B
    0F0269BA  00A00000  004D0159  0000000C  421DFD56  C72E84EA  86EC0018  4669BB7E  51BEBE86  C6D46B0D
    7C5362CB  4730D369  662ABFAB  42A8EA2A  00000000  C1FC7201  5EEAE180  3E5D62C2  CF37B230  8D3A79A8
    BC8AEC30  3F12A362  D3C7C96A  3F138835  A695EFD3  43165C22  00000000  42489972  88C2C3C2  426E5821
    92C818AD  3F81A238  297DE911  427B1378  A747BA25  452C966C  06AB8DEA  40E2E6BB  09053387  41700D52
    5EBD4D32

                                    145 RECORDS IN FILE   1 OF TAPE

IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS78263.T153510.RV000.YZRWPJA4.LODMOD        PASSED          DDNAME=PGM=*.DD              0 EXCPS
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS78263.T153510.RV000.YZRWPJA4.S0000090      SYSIN           DDNAME=FT05F001              2 EXCPS
IEF285I   VOL SER NOS= K3SCR4.
IEF285I   SYS78263.T153510.RV000.YZRWPJA4.S0000090      DELETED         DDNAME=FT05F001              2 EXCPS
IEF285I   VOL SER NOS= K3SCR4.
IEF285I   SYS78263.T153510.SV000.YZRWPJA4.R0000085      SYSOUT          DDNAME=FT06F001             11 EXCPS
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS78263.T153510.SV000.YZRWPJA4.R0000086      DELETED         DDNAME=FT07F001              0 EXCPS
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS78263.T153510.SV000.YZRWPJA4.R0000087      DELETED         DDNAME=SYSPRINT              0 EXCPS
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS78263.T153510.SV000.YZRWPJA4.R0000088      DELETED         DDNAME=SYSUDUMP              0 EXCPS
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS78263.T153510.RV000.YZRWPJA4.R0000089      KEPT            DDNAME=FT08F001            294 EXCPS
IEF285I   VOL SER NOS= JJ0002.
IEF280E K 490,JJ0002,YZRWPJA4,GO
IEF373I STEP /GO       / START 78263.1851
IEF374I STEP /GO       / STOP  78263.1852 CPU    0MIN 02.80SEC MAIN 186K LCS    0K
- STEP 03 -      RETURN CODE = 0000                                  STEP TIME =      .13 MINS=(CPU=      .04,IO=      .09)
                                        IO IN SECS. DISK=     2.80,DRUM=      .00,TAPE=     3.05,CELL=      .00,OTHR=      .14
- SURCHARGES=(DRIVES ALOC=000,TAPE MOUNTS=000,CORE=000,PAPER=001,PRIORITY=00000)SECS.    TOTAL STP TIME=      .14 MINS.  -
IEF285I   SYS78263.T153510.RV000.YZRWPJA4.LODMOD        DELETED
IEF285I   VOL SER NOS= K3SCR2.
IEF375I  JOB /YZRWPJA4/ START 78263.1842
IEF376I  JOB /YZRWPJA4/ STOP  78263.1852 CPU    0MIN 05.26SEC
-   SYSTEM=REL21.8E (11-22-77) K3                                                    TIME=18.52.49.95 DATE=09-20-78
- JOB 0103-                                              TOTAL TIME =      .44 MINS=(CPU=      .08,IO=      .36)
                                        IO IN SECS. DISK=    15.45,DRUM=      .04,TAPE=     6.14,CELL=      .00,OTHR=      .36
- SURCHARGES=(DRIVES ALOC=000,TAPE MOUNTS=000,CORE=000,PAPER=001,PRIORITY=00000)SECS.    TOTAL JOB TIME=      .45 MINS.  -
  THERE WERE 03 TAPES MOUNTED FOR THIS JOB. TAPE MOUNT CHARGE WAS 00.0 MINUTES.
```

ISEE 1

3-D 6EV-10KV ELECT SPECT DATA

77-102A-02A

This data set has been restored. There were originally seven 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004251	DS004251	D032065	1	12/01/77 - 12/12/77
		D034068	2	11/07/77 - 01/01/78
		D035059	3	11/02/77 - 01/07/79
		D047327	4	03/21/79 - 03/31/79
		D073982	5	01/28/83 - 01/28/83
		D073800	6	03/25/83 - 03/25/83
		D073799	7	03/26/83 - 03/26/83

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 97-102A-02A

DATE DATA RECEIVED: 2/3/98

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 Mag Tape

SATELLITE NAME/NSDF NAME: IGEE #1

EXPERIMENT NAME: _____

DATA SET FULL NAME: FAST ~~[illegible]~~ ELECTRONS

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: ☐ A NEW DATA SET ☒ ADDITIONS ☐ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 49327 C-22131

REMARKS:

1600, bin, 9trk. 1-file

3/22 – 4/1

CDHW

DATA RECEIPT NOTIFICATION SENT? ☐

_____

DATA TECHNICIAN

Date Feb 5 82

NSSDC ID 77-102A-02A

CDAW DATA SET ENTRY

Date Rcvd : Feb 5 82 CDB : 06

Data Sent By : D. Fairfield

Material Rcvd : One Tape

Satellite / NSRF Name : ISEE 1

Data Set Name : Fast Electrons

☐ New Data Set ☒ Additions ☐ Replacements

Comments

Time Coverage : Unknown

Tapes To be Returned to :

Completed By : M. Teague

D-47327
3/20/79 - 3/31/79

DUMP OF TAPE X404

INPUT TAPE X404 ON MT2
DATA INPUT H9 FL 1 1 1

79 L L 80

FILE 1 RECORD 1 LENGTH 16004 BYTES

(0)	3E040000	00A00000	004F0050	00000000	401CEEA0	C6EAD656	AB46D763	C682F1CD	FCC66382	C733DE7C
(40)	8680D097	473685EF	A551A59	42D124C9	1YA13000	C2480C65	25BE662D	BE32A702	4683F2D0	3EF3748B
(80)	013AE904	BF1AA928	21674C17	3F1EDC2D	8DE715A4	4265C05F	F16C2000	C236C296	66AF0DC7	00000000
(120)	00000000	00000000	00000000	00000000	00000000	456E6774	EF306A54	409E80B3	A0DDE80F	412A6603
(160)	7E39DB95	00A00000	004F0050	00000000	406AD773	C7123FCD	A08B0458	C6825592	32895262	C7311E78
(200)	3872117F	4735076A	81A4DED	42CC00E6	04DEC800	C243DC41	468F3E97	BF296912	972E60AF	3E72AFA1
(240)	86647339	BF100325	40C9AFFD	3F2CF8D7	200EAAD9	42AA30A8	15662800	C214D890	9A1C0DC5	00000000
(280)	00000000	00000000	00000000	00000000	00000000	456795B3	B74EA738	409CE378	30A5A4D8	412A71F2
(320)	BFBC4CEB	00A00000	004F0050	00000000	406A8B2A	C6D69722	FC142C9F	C6CEAD3C	AF8ACFAE	C72EF985
(360)	D338B394	4732A7DF	F11240AF	42DFEFC7	A352F000	C2446065	75BE84D0	3E1309B3	E8B967E0	BFE5D605C
(400)	71929AC0	3E351AA5	C1479640	3EF3FD33	DB876C1A	4311295A	68B23800	41C922E2	4677E5F0	00000000
(440)	00000000	00000000	00000000	00000000	00000000	45725927	4DAD6524	409B8E54	A6F1C67F	412AA1B4
(480)	E665E1E8	00A00000	004F0050	00000000	41106978	C6F37F90	A16B1E35	C6A534E4	884E96D3	C7316AAC
(520)	71A2B4F9	4734D496	4969EEC6	42D627D0	F8B75800	C245A0D3	85A94FE2	8D7A6A6A	2BF6A100	3D41UFB9
(560)	53B28400	6F176DEE	0BB2245E	3F176F8A	6610E514	4297B6E0	4668B000	C252AC1A	9C29EE6F	00000000
(600)	00000000	00000000	00000000	00000000	00000000	4568B690	AAACAA36	409F053F	5BE78BB0	412AD0A6
(640)	488EA4BD	00A00000	004F0050	00000000	41154756	C7148B95	0AF0903E	C6EABB1F	36F30DB4	C7374EB1
(680)	A1E64417	473CCBE7	51375A6F	42D7A77A	0CE50000	C241771C	616E0954	BF1F301E	42E5D769	BF13F922
(720)	704C4CB3	BF3477EF	DEAB95B4	3F4039B5	C00D21C7	42D4A2C5	3ED30800	C236CB86	9B846E45	00000000
(760)	00000000	00000000	00000000	00000000	00000000	45738AC0	A6E90E3E	40937BCA	3CCE93AA	412CD657
(800)	F7E33C38	00A00000	004F0050	00000000	411A2523	C712A461	7ADAF530	461604C8	E65E82A5	C72E84D2
(840)	3907F12F	47322251	C550D47E	424EC721	AEDEC800	C2441BAA	1164D06A	BF143B8D	90B09044	3F4C1B3B
(880)	59657F31	3E56A7DC	94378A00	3F4EEC2D	CD23C16A	4263E254	C4208000	413EF59A	FA8E4E60	00000000
(920)	00000000	00000000	00000000	00000000	00000000	4563E9C8	763A0BAA	40904360	D61CBE3B	412B646A
(960)	7AE61BBD	00A00000	004F0050	00000000	411F0312	C6DCBED1	86ABBDDA	C688EADB	86F9AF32	C7289B0B
(1000)	B550163B	472BBB1C	F157243D	42D3CF1E	B052D800	C244351C	5F1D0A19	BE27B4CA	23FD62C9	BF11170C
(1040)	1809B0FA	BEB981B9	ABB9C560	3F2CC177	E5124BA0	42CB4993	C6832800	C1F03AEA	D12FAED0	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	45371950	776A5F2C	4091463F	4476B82C	4129D931
(1120)	AE85CC6A	00A00000	004F0050	00000000	4123E0F0	C6951176	ECF0D7E6	C67271BC	45B1845C	C72DC8CB
(1160)	95A22F2D	472F445D	9EEADEAE	42D9E3AC	67EC1000	C24B9C7C	6D16883F	BE16D19A	C1C6DD9B	BF1265DF
(1200)	9A94C726	BF291591	A60FAD2B	3F327801	110F8449	42DAE0B4	B8C0A000	C2367E6B	A64044B9	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	453E8E1C	1EA1AEFA	40863746	5D1C3270	4126900A
(1280)	6FF40412	00A00000	004F0050	00000000	412BBECE	C6EF3C22	297E93A3	C6720064	399F6707	C72C7AD9
(1320)	D9970EF3	472F76AF	A8A7F641	42C07A91	6DECE8C0	C245937A	2C049CEB	BE2A1CFF	26C0FDD5	3EE589D3
(1360)	7F8B7EEF	BF111219	DA4DE703	3F2FA833	54E69142	42A12A0C	88029000	C214F033	A54D67EA	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	454CE3EE	BE2B3192	40921033	E7DA1EC6	4126C415
(1440)	C3052CF0	00A00000	004F0050	00000000	412D9C9A	C6CA1E18	2D4C87E0	C6B396B2	E2EA2255	C7299A7D
(1480)	DC89CB10	472CE78A	D2E7C83A	42CD2E3C	95352000	C243E4D8	C2354BE0	BF209408	41268876	BEBE29C4
(1520)	18C59B40	3E84376C	3F93C710	3F22C3BC	85A9BA1D	42C34158	3AEB5E00	41DC0355	37FCDFB0	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	4548D8DA	8FEA2590	4092D54B	FAE4A5B8	412E63EC
(1600)	A43F6180	00A00000	004F0050	00000000	41327A78	C6B54BA7	731DFBF2	C6CED770	1C467166	C72AA65D
(1640)	4C2B3570	472DF8B9	7993EAA6	42E4C5AA	8EAE3000	C2440CE0	73A519C0	BECB2A39	C5539648	BF1E7D60
(1680)	86146BD8	3E4AD026	5D491CF0	3F224620	3D22036E	42F809E7	7EAD0000	417D74DA	12687190	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	45501765	359A1902	409E36DF	9795A4C97	412E1DDF
(1760)	5732AFEA	00A00000	004F0050	00000000	41375856	C6F5CFDA	650BE922	C56E548B	8D16C5F6	C7223F3E
(1800)	4408D471	472629D0	88BA621C	42CC2C21	DE6A9A03	C23ED0DE	94C4E83A	BE36B532	DC25B054	3E1U625F
(1840)	CBA797F3	3F482EB9	B2F9702E	3F5FC782	42006687	4297C24B	ED225800	42319488	DDE2A95E	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	4548F4D6	657C9BDE	40A2AE53	05EBFEC0E	412D6873
(1920)	6B8859DD	00A00000	004F0050	00000000	413C3634	C69EE078	7DE59554	C62C7481	7A1F44D7	C7253B0B
(1960)	B7AAC47C	472697EF	818A7DAE	42C3A1C1	813FE000	C24A83D9	89C92174	3E4065F4	F5554C69	3F202D00
(2000)	535FDDF3	3F247A78	5A5D262E	3F30CEAC	933233BE	4252DEA8	A19BE000	42305D85	8515A68D	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	45450253	8E9A7746	40BFD607	10681D21	412C6E83
(2080)	88E25C10	00A00000	004F0050	00000000	41411412	C6A97C04	CAF4DA38	C64EFC01	79164D70	C726CA5D
(2120)	ACB9A0B3	4729B83A	8DE2E36B	42DF2B3A	44BF3000	C2457925	A6598197	BF14A031	CEFEF20E	0520A1C7
(2160)	07E2AD94	3F166ADA	E956E2ED	3F1E93FD	C855DFC1	42B856DD	713C0800	422F2609	3C3BDB76	00000000
(2200)	00000000	00000000	00000000	00000000	00000000	4541BCB2	E8132F62	40875EBA	EE7A11C0	412C8C00
(2240)	4C5CC32A	00A00000	004F0050	00000000	4145F1EF	C6757BF5	1428E3A6	C6904BB1	CD407738	C72AC1EE

(15520)	F8B3926E	00A00000	004F0050	00000000	423B1F04	C7152294	F9120520	C6F75E1A	36D760D5	C7351684
(15560)	F8924780	473A823D	E1CD6843	42DAEC21	F0V48000	C241244B	7D17B244	BE2D55CB	940DE36V	BE344BDA
(15600)	2AD8AFAB	BF3E9EF5	02376664	3F5D55F2	2B6BC8B5	42E513FC	AC65D900	C22A2361	46E09AB0	00000000
(15640)	00000000	00000000	00000000	00000000	00000000	454BC5D4	A26E1CB6	40770D3C	F57E8C23	4126C364
(15680)	C5410D5A	00A00000	004F0050	00000000	423B6CE3	C71586F3	7E8C74B1	C71290EA	2A753A46	C730A195
(15720)	D0426B40	473C5492	ED97D774	42DCC6A0	1E7BC000	C23BB10A	5A4A0BEE	BE39C723	5330B8EA	BE4415E4
(15760)	F47AE158	BF31E1F4	5EEC1E41	3F6648EE	DDDDFD34	42E5AE7C	A9FF5800	C21D303C	31650458	00000000
(15800)	00000000	00000000	00000000	00000000	00000000	4540A47F	9FAEA626	406ACB73	3C2C2F3E	41248580
(15840)	B849BB4B	00A00800	004F0050	00000000	423B8AC1	C713C42C	3C95FA4B	C6DBD498	7AC2675C	C7250EE5
(15880)	4AF88886	47315495	9F8CE060	42D6CD7A	507E2000	C23CCABE	7A311E9D	BF1D4A9D	4667CE72	BF251D53
(15920)	81A63450	BF1E4428	A5DDAEA4	3F362371	7934F527	42E7B7F9	63C16000	C2209FF4	11E68446	00000000
(15960)	00000000	00000000	00000000	00000000	00000000	453D3200	7C2BA1E6	40717D41	7A1D7ADC	41230C8A
(16000)	D8667789									

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FILE 1 RECORD 124 LENGTH 41646BYTES

(0)	10440000	00A00000	004F005A	00000008	42342788	C721FFB0	F79E2287	47155231	CA2AC466	4711B4B0
(40)	063975E9	472BDD0A	C5153CF8	4293E84E	BD9E2000	4217CE99	BA09D4AC	3F2663BC	7C4476F6	BF2EAF96
(80)	E45D7CF3	BF1E52C1	11099BC6	3E439F6B	5ECE3756	43135EE1	23B0C280	C21AA469	40E29687	00000000
(120)	00000000	00000000	00000000	00000000	00000000	465C94C5	8335683C	41113403	EB43B1F	40505675
(160)	9B23DC42	00A00000	004F005A	00000008	42347589	C66FCD88	DB5A8043	46368324	227E41C5	47290A74
(200)	186C4226	4729C2E2	66B518D5	4299B9C9	EFED5800	424F57BC	AE945C3C	3F2734C9	AF09A569	BF216A06
(240)	DCED58C8	3E6E2E1D	300A8490	3F343532	BEE7B16A	4313EC2C	07A1E900	41794576	2F6F5DD0	00000000
(280)	00000000	00000000	00000000	00000000	00000000	466961AD	4EA5DA46	40E6B8D9	72BAEA1C	404DD6C7
(320)	70DCD032	00A00000	004F005A	00000008	4234C368	C712F7B8	C095E3A4	C6161FEA	8EE52E44	4727A016
(360)	7709E1E3	472BF3ED	593BCE9A	42B02B62	2D1CE800	42405C8D	B5A9B0A6	3D9DD71A	49BBC900	BF2D08B8
(400)	7A69B956	3E5C44D0	F49223AF	3F66AC95	1B54BCEC	4310EC2B	A3900000	423FFB68	CF03B9F7	00000000
(440)	00000000	00000000	00000000	00000000	00000000	464B3621	2062DEF6	40EEA021	0A783CD1	40753990
(480)	F9E68A18	00A00000	004F005A	00000008	42351147	C729C01C	1BAD5C38	46A5EA2E	0697900D2	466B67YC
(520)	02882824	4729BA6D	26972254	42A60D23	E47FA000	418E1156	D12A6F60	BF20F9E0	32E19898	3E62CEA9
(560)	E55F2430	3EA23D65	D806A480	3F230C57	C132E4AC	42A9649D	60E29000	4210D125	AFD7B609	00000000
(600)	00000000	00000000	00000000	00000000	00000000	46464D97	085A9C94	40E4D82F	6747A403	40923B35
(640)	8879ACD8	00A00000	004F005A	00000008	42355E25	C6746BA1	A6168419	C6173742	56E96060	461104EA
(680)	B5399596	4677ED2C	60B26F96	42BF4705	986BE000	41828A1E	CEE57240	BF1CF2DF	BD65E2E7	3F223762
(720)	FFF2309E	3F109F91	84406F2A	3F2FCEFC	C77A57F2	428239EA	0572D800	42145CD9	624A8FB5	00000000
(760)	00000000	00000000	00000000	00000000	00000000	462C5BEA	95924AE0	411254E8	9B54FC62	4111F423
(800)	489B681C	00A00000	004F005A	00000008	4235AD04	C7157CFA	5B567A4A	46BBD390	DD66C369	471739BE
(840)	B55800C5	4721BFAD	CB7449BF	42975A09	4552D000	422B7CB1	43E21586	3F2AFF79	0B875FAF	BF1BC465
(880)	6083CA8C	3F1BF9CC	401261CA	3F33FE8E	37319EAC	4314ADEA	DA8C1700	421D62F3	3DCDF7EC	00000000
(920)	00000000	00000000	00000000	00000000	00000000	4637FD7C	1BCBD97E	4111A7C0	2ABAA673	40E3413B
(960)	9A55928A	00A00000	004F005A	00000008	4235FAE2	C711B0EA	275412F4	471ACFD1	29B526CB	465D1310
(1000)	6AA203C7	4720A513	D4C69D30	427B64E8	5CD67300	41A43C0C	5924A4C0	3F3C9E6B	FFDEE327	BF3FD16F
(1040)	039E6413	8EEC66ED	3C1D1478	3F5A4031	95067D77	43139B6E	3A3B85B0	C1987BA2	B49CCCC0	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	46347650	9155BA18	40E30EFF	AA4712DD	40C22306
(1120)	EB49FE2A	00A00000	004F005A	00000005	423648C1	C6494659	636F6A21	467A7AEC	0303241A	47142794
(1160)	EC3997A3	47160A60	599E57E0	4273E3DF	D7000000	42422047	4BD96CE4	3F3B206C	EB55F4DC	3F22172B
(1200)	9B39BAEF	3F122B4A	8F656955	3F46A0A2	BEFB43C0	421DF762	81CA6000	41EE0355	9102C2AC0	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	464214AB	9AE65872	4111C7A4	5756EC24	40C4C3F8
(1280)	63A3D230	00A00000	004F005A	00000008	4236964E	C716D513	C2D41A29	453E8566	77EDEF36	4715BEE1
(1320)	96FB5D28	471F6706	D394B905	42B37722	63DD4900	42285AC4	E76ECFDF	3F1E6D4A	7DA54555	BF29E5C3
(1360)	24717289	3E29C590	3AD3B029	3F423734	A50462C7	43131EDD	0745B680	4226E4D8	E0A51042	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	4646030E	C473DBA8	40E967DE	E611E23D	40N59EE3
(1440)	BE039782	00A00000	004F005A	00000008	4236E47E	46A52ABF	127C9D4B	47105DED	7FA2E01D	46C2E5C5
(1480)	8F72F35F	4716DE0F	F32BF13E	4234C288	E5310000	42203204	E18C9747	3F71329A	3FF3CB01	BF159351
(1520)	C8AC120F	3F358E11	BA5B726A	3F7E127C	2FB20434	4315D356	0462C1A0	4216ED25	B310A368	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	4648F680	BC1E9A8A	40E68EE6	8235CC82	40705796
(1600)	90A904D8	00A00000	004F005A	00000008	4237325D	461D90C8	7B4B3DE2	C6B5B7DA	EDFCCB4F	C6C44EE1
(1640)	BE2B1FA7	46E1175D	C3F83396	431150FC	E0B7C000	C2353AE5	2165E347	BF3D2A07	C757FDDF	3F7FC390
(1680)	57B67889	3F2785B6	C72C049A	3F8320A3	4DD30BD5	42739402	489C0000	41FA87DA	AB3E9C20	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	46456DC1	D6A111C0	40E6B73C	CDF50F25	40C29279
(1760)	A52470F2	00A00000	004F005A	00000008	4237D03A	46242358	675B21DE	C6E05B95	411BE227	46U735C0
(1800)	49724794	4711BF31	9275A2F8	43119BB7	16192B00	42320120	992AF936	BF41F5D4	E83BC575	3F355DF7
(1840)	28DF959F	3F3BE67D	FA50A640	3F54EDA5	45B264D3	42BD0632	CC4B1000	4124C6C9	E96E4720	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	46386A20	902B1ADE	40DB49EE	5734F0B3	41111506
(1920)	F24656EC	00A00000	004F005A	00000008	4237CE1A	46B3827E	E04D9572	C61CC437	1C3700C0	46DEE62B
(1960)	65B24B41	4710A65B	0633DFC9	4315BAY3	CFCF14M0	423ADEC9	M46E79AC	3F27B55D	7C34198F	3F3E14DC

REQ. AGENT	RAND NO.	ACQ. AGENT
GLS	V0324	HKH

ISEE 1

3-D 6EV-10KV ELECTRON SPECTRAL DATA

77-102A-02A

THIS DATA SET CONSISTS OF 3 MAGNETIC DATA TAPES. THESE TAPES ARE 9 TRACK, 6250 BPI, BINARY AND WERE CREATED ON A VAX 11/780 COMPUTER. EACH TAPE CONTAINS 1 FILE OF DATA EXCEPT D-73800 WITH CONTAINS 3 FILES, HEADER FILE, DATA FILE AND TRAILER FILE. THE D AND C NUMBERS AND THE TIME INTERVALS ARE AS FOLLOWS:

D#	C#	TIME INTERVALS
D-73799	C-26038	MARCH 26, 1983
D-73800	C-26039	MARCH 25, 1983
D-73982	C-26040	JANUARY 28, 1983

DATE: 6/25/86

NSSDC ID: 77-102A-02A

P.I.: K.W. OGILVIE, NESS, LEPPING

CDAW DATA SET ENTRY

DATE RECEIVED: 6/20/86

DATA SENT BY: D. Fairfield GSFC

PARTICIPANT:

MATERIAL RECEIVED: Q mast. 2 tapes.

SATELLITE/NSDF NAME: ISEE 1

CDAW DATA SET MNEMONIC:

CDAW DATA SET NAME: ISEE-1 Electron Spectrometer Eqs.

AIM FILE DATA SET NAME: 3-D 6EV-10KV ELECTRON SPECT. DATA

CDAW NEW DATA SET ADDITIONS REPLACEMENTS

AIM FILE NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: Couldn't find in Aim File - Will Need additional data.

TIME COVERAGE:

TAPES TO BE RETURNED TO: D. Donald Fairfield
CODE 695
Bldg 2 Rm 139

RECEIVED BY: Liz Romey

COORDINATED DATA BASE 8 (CDB-8) QUESTIONNAIRE

(PLEASE RETURN BY MARCH 10, 1986)

NAME: Donald A Fairfield ★ TELEPHONE: 344-5428

ADDRESS: Code 695
NASA-GSFC
Greenbelt Md 20771

TELEX (Carrier, Number, Answer Back): _____

TELENET ADDRESS: _____

SPAN ADDRESS (Node Name::Account Name): LEPVAX::U2DHF

TELEMAIL: _____

1. I wish to participate: Yes X No ___

2. If no, do you wish to remain on the distribution list? Yes ___ No ___

3. The area of interest with which I would logically affiliate is (denote first and second choices):

___ 1. Solar Wind	X 4. Plasma	___ 7. Model/Theory
X 2. Magnetic Field	___ 5. Waves	___ 8. Other_____
___ 3. Electric Field	___ 6. Particles	

4. It is highly desirable for NSSDC to receive data by March 24. Please note that NSSDC will assist in averaging, coordinate transformations, etc; the important step is to send the data with documentation now. I can send my data to NSSDC by May ? (date). The data will be submitted on tape 1, or electronically using the _____ network.

★ Representing (1) K. W. Ogilvie's ISEE 1 electron data
(2) M. Kaess, R. Lepping, J. W. King IMP 8 magnetometer data

Given prior data is processed
Data rates should meet IMP 8 magnetometer

5. The CDAW 8 Planning Committee has selected the following intervals for study. Please indicate, next to each time interval, the time periods for which you will supply data.

Event	Time Interval	I will supply data for the time interval: hopefully
A	28 Jan. 1983 0400-1100 UT	
B	25 Mar. 1983 0500-1400 UT	
C	26 Mar. 1983 0000-0600 UT	
D	29 Jan. 1983 0500-1400 UT	
E	4 June 1983 0500-1000 UT	
F	27-28 June 1983 1500-0300 UT	

6. I will follow the attached CDB Guidelines in submitting the following data sets:

IDENTIFICATION Spacecraft/ Ground Station	EXPERIMENT IDENTIFICATION	PRINCIPAL INVESTIGATOR	NO. OF PARAMEMETERS FOR CDB	TOTAL DATA POINTS FOR CDB	Used Previously in CDAW No.___ (is format identical?)
ISEE 1	Electron Spectrometer	N. F. Ness	as before		yes

7. Data Averaging: In consideration of the size of the resulting database and to ensure that all data can be loaded, it is suggested that the maximum (highest) time resolution be 1-minute data, and higher resolution data be loaded where appropriate. NSSDC would prefer to receive your data with the time resolution that you normally have or use and will perform averages to your specifications. (See enclosed Guidelines page 1, with particular references to items 3, 4, and 6.)

____ I will want NSSDC to perform time averaging and will enclose my specifications with the data.

X I want my data set(s) to be loaded without any averaging; if so, my basic time resolution is 9 or 18 sec

8. Data Manipulation: If you wish to have special data manipulation functions or subroutines added to the system that are extensive and may be impractical to construct in real time, these should be received as soon as possible (preferably in FORTRAN).

I will_____ will not_____ be submitting data manipulation code for incorporation into the system. These will be sent by_____(date).

9. I suggest that a special effort be made to obtain the following data sets:

_____

_____

10. To assist NSSDC in planning support and future development for CDAW-8 please complete this survey:

Remote access via: SPAN X TELENET ____ Modem ____ Other_____

Type(s) of terminal available: (e.g., TEKTRONIX 4014, VT100 with graphics board, VT240)

HP2623A

Type of PC/Software Communications Package you might use for access to CDAW system: (e.g., MacIntosh/TEKALIKE,...)

_____

Graphics software available at local node: (e.g., TEMPLATE, NCAR,...)

_____

Other commercial software packages you might use with CDAW data at your local node: (e.g., IDL,...)

_____

11. Please forward copies of the Workshop Announcement to any individual who you feel may be interested and ask them to submit this Questionnaire to NSSDC by March 10, 1986.

PLEASE RETURN THIS QUESTIONNAIRE TO:

Ms. Leah Gatewood
CDAW 8
Code 633
NASA Goddard Space Flight Center
Greenbelt, Maryland 20771
U.S.A.

Telephone: (301) 344-6818 FTS: 344-6818
SPAN Address: NSSDC::GATEWOOD TELEX: 89675 NSCOM GBLT

Dear Northcarolinian,

I enclose the format of the ISEE station data tape you requested. I believe the only data we should use are the station height and temperature as noted on page 113-37. (The velocity is not meaningful on the magnetometer). Tape information can be found on p 113-35.

If you have problems with the format please call Frank Ottens x 6674

A (third) tape (jan 28 1735 4-12 h) is now available in addition to the two tapes you have. It is on tape #P3443 = TAS #31497 in the building 1 tape library. I am told by people here that you can probably copy it or access it directly. Note that on these tapes jan 1 = day 0, jan 28 = day 27 etc.

Dan Fairfield

ISEE-1 Phase 2 Summary Tape Format

Header Record (one per tape and same size as data records)

R*8	(48)	V^4	Bytes	1-384
R*8	(6)	PLATE		385-432
R*8	(18)	AREA		433-576
R*8	(18)	SOLID		577-720
I*4	(32)	IU		721-848
I*4	(3300)	IFILL		849-14048

Note: V^4, PLATE, AREA, SOLID, and IU will be used to compute F. The precise value of V^4 to use in dependent on the data mode found on each data record (bytes 1223-1224), PLATE on detector number (1-6), AREA on channeltron used (bytes 1213-1214 of the data record), and detector number (1-6), IU on step number (1-16), and format (bytes 1225-1226 of the data record), and SOLID on channeltron used, and detector number (1-6).

If on the data records bytes 1213-1214, which contain the channeltron used, represent an

integer 0, then channeltron B off, A on
integer 1, then channeltron B off, A off
integer 2, then channeltron B on, A on
integer 3, then channeltron B on, A off

If on the data records bytes 1225-1226, which contain the format, represent an

integer 0, then format is uneven steps
integer 1, then format is even steps

If on the data records bytes 1223-1224, which contain the mode, represent an

integer 0 or 2, then mode = 2
integer 1, then mode = 1
integer 3, then mode = 3

V^4 on the tape header record is set up such that the first 16 values are for mode 1, steps 1-16, the second 16 for mode 2, steps 1-16, and the last 16 for mode 3, steps 1-16.

AREA and SOLID are set up such that the first 6 values for each are for detectors 1-6 channeltron A, the second 6 for channeltrons A+B, and the final 6 for channeltron B.

PLATE is set up such that the first value is for detector 1, the second for detector 2,....., the sixth for detector 6.

IU is set up such that the first 16 values correspond to an even format, and the second 16 to an uneven format.

TYPE	ITEM	BYTE #	
I*2	Year	1-2	Two digit year example: 77 = 1977, 78 = 1978, etc.
I*2	Decimal Day	3-4	0-365
I*4	Millisecs of day	5-8	0-86400000
I*4	Spacecraft Clock	9-12	(updates once every 1/2 sec.)
***I*2	Harvey Status	13-14	See page 1.13-30
*I*2	Mozer Status	15-16	See page 1.13-30
****I*2	Transponder B/A	17-18	See page 1.13-32
I*2	Bit Rate	19-20	As a power of 2 (example 4096 = 12)
I*2	Time Quality	21-22	0 Quick look; 1 Fraction smoothed and delay corrected but unverified by other stations; 2 Smoothed, delay corrected and verified after adjusting the ground station time; 3 same as 2 but no adjustment required to ground station time; 4 = Data comes from Fill record
I*2	Orbital Position Flag	23-24	0 definitive orbit; 1 predicted orbit; 2 no orbit, propagation delay not computed; 3 if phase I; 4 if from a different block (within 4 major frames); 5 if fill
I*2	Number of points in 6 x 6 x 16 data block	25-26	1-576
**I*2	Data Quality Flags, Compacted OGM Data, & Digitization Factor	27-1178	See page 1.13-30
I*2	Channeltron Current ID	1179-1180	0 = Sen B, Ch B; 1 = Sen B, Ch A; 2 = Sen A, Ch B; 3 = Sen A, Ch A
R*4	Step Supply A (AS1 W13)	1181-1184	Nominal values: 0.2, 1.0, 4.0 volts
R*4	Step Supply B (AS1 W14)	1185-1188	Nominal values: 0.0 to 5.0 volts
R*4	LV Supply (AS1 W47)	1189-1192	Nominal values: 0.5, 2.5, 4.5 volts
R*4	Det A 4KV (AS1 W60)	1193-1196	
R*4	Det B 4KV (AS1 W61)	1197-1200	
R*4	Channelton Current (AS1 W6)	1201-1204	Sensor B Chan B, sen B ch A, sen A ch B, or sen A ch A; (0.0 to 5.0 v) (see Channeltron Current ID)

I*2	HV B (Eng. Stat)	1205-1206	
I*2	HV A (Eng. Stat)	1207-1208	0 = 0 KV, 1 = 4 KV, 2 = 3 KV, 3 = 3.5 KV
I*2	Mem Syst A/B (Eng. Stat)	1209-1210	0 = A, 1 = B
I*2	Spin Count (Eng. Stat)	1211-1212	0-31

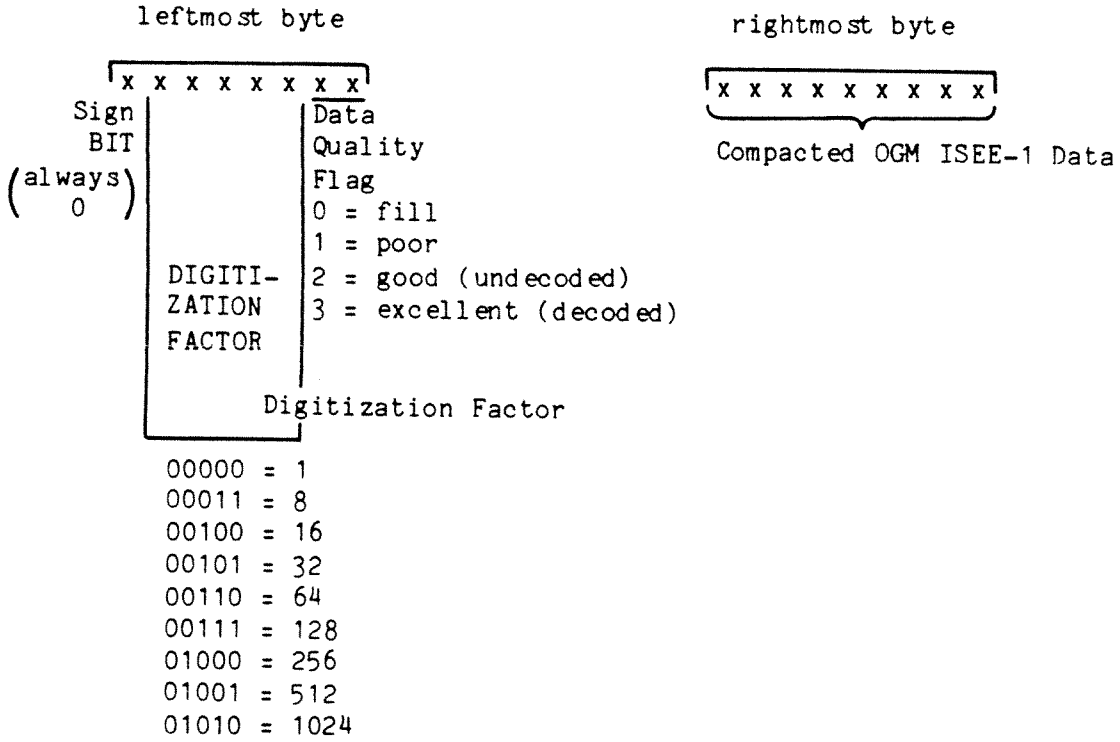
Mozer Status:

*0 = gun off/passive
1 = on/passive
2 = off/active
3 = on/active
4 = undetermined

Harvey Status:

***0 = Off Before Off After
1 = On Before Off After
2 = Undetermined
3 = Off Before On After
4 = On Before On After

**Rightmost byte contains OGM compacted data
leftmost byte contains digitization Factor and data quality Flag



ISEE-1 Phase 2 Summary Tape Format Cont'd

TYPE	ITEM	BYTE #	
I*2	Data Line (Chaneltron) (Eng. Stat)	1213-1214	0= B off, A on; 1= B off, A off; 2 = B on, A on; 3 = B on, A off;
I*2	Channeltron Bias (Eng Stat)	1215-1216	1 = Bias high; 0 = bias low
I*2	Preamp Threshold (Eng. Stat)	1217-1218	1 = low; 0 = high
I*2	HV B Level (Eng. Stat)	1219-1220	0 or 1
I*2	HV A Level (Eng. Stat)	1221-1222	0 or 1
I*2	Mode (Eng. Stat)	1223-1224	1 = mode 1; 2 = 2; 3 = 3; 0 = 2
I*2	Format (Eng. Stat)	1225-1226	1 = even steps; 0 = uneven steps
I*2	SS B/A (Eng. Stat)	1227-1228	0 = SS B on, SS A on; 1 = SS B on, SS A off; 2 = SS B off; SS A on; 3 = SS B off, SS A off;
I*2	HV B/A (Eng. Stat)	1229-1230	0 = HV B on, HV A on; 1 = HV B on, HV A off; 2 = HV B off, HV A on; 3 = HV B off, HV A off;
I*2	Command Receipt (Eng. Stat)	1231-1232	0 or 1
R*8	Suntime	1233-1240	
R*8	Spin period	1241-1248	
I*2	Uncompacted OGM Data	1249-2400	6 x 6 x 16 halfwords (Negative 1 if Fill)

	B_B	A_B	B_A	A_A	ON TAPE
****	0	0	0	0	0
	0	0	0	1	1
	0	0	1	0	2
	0	0	1	1	3
	0	1	0	0	4
	0	1	0	1	5
	0	1	1	0	6
	0	1	1	1	7
	1	0	0	0	8
	1	0	0	1	9
	1	0	1	0	10
	1	0	1	1	11
	1	1	0	0	12
	1	1	0	1	13
	1	1	0	2	14
	1	1	1	1	15
	U	N	D	E	16

B_B = B BEFORE
B_A = B AFTER
A_B = A BEFORE
A_A = A AFTER
0 = OMNI
1 = MEDIUM GAIN

A*8 Traj Tpe #	2401-2408	Trajectory Tape number of trajectory info
R*4 Longitude	2409-2412	satellite position in geocentric (deg)
R*4 Latitude	2413-2416	
R*4 Longitude	2417-2420	satellite position in geomagnetic (deg)
R*4 Latitude	2421-2424	
R*4 R_o	2425-2428	Earth radii. A geomagnetic coordinate of the satellite position
R*4 R	2429-2432	radial dist of satellite from the center of the earth (km)
R*4 GSE_x	2433-2436	satellite position in geocentric solar ecliptic (km)
R*4 GSE_y	2437-2440	
R*4 GSE_z	2441-2444	
R*4 GSM_x	2445-2448	satellite position in geocentric solar magnetospheric (km)
R*4 GSM_y	2449-2452	
R*4 GSM_z	2453-2456	
R*4 Longitude	2457-2460	sub-solar point in geomagnetic coordinates (degrees)
R*4 Latitude	2461-2464	
R*4 1 st row 1st col	2465-2468	Geocentric Solar Ecliptic to Geocentric Solar Magnetospheric transformation matrix
R*4 1 st row 2nd col	2469-2472	
R*4 1 st row 3rd col	2473-2476	
R*4 2 nd row 1st col	2477-2480	

R*4	2 nd row 2nd col	2481-2484	
R*4	2 nd row 3rd col	2485-2488	
R*4	3 rd row 1st col	2489-2492	
R*4	3 rd row 2nd col	2493-2496	
R*4	3 rd row 3rd col	2497-2500	
R*4	Mag vel	2501-2504	magnitude of the velocity (km/sec)
R*4	L McIlwain	2505-2508	L McIlwain parameter (earth radii)
R*4	B Mag	2509-2512	B Magnetic field strength (gamma)
R*4	Sat-Earth-Sun	2513-2516	Satellite-Earth-Sun angle, L_{sep} (deg)
R*4	Theo GSE_x	2517-2520	Theoretical geomagnetic field in
R*4	Theo GSE_y	2521-2524	Geocentric solar ecliptic coordinates
R*4	Theo GSE_z	2525-2528	(in gamma)
R*4	Del X	2529-2532	Separation vector in GSE (km)
R*4	Del Y	2533-2536	ISEE-1 to ISEE-2
R*4	Del Z	2537-2540	
R*4	Del R	2541-2544	Separation distance
R*4	Vel X	2545-2548	Velocity components of separation
R*4	Vel Y	2549-2552	vector in GSE (km/sec)
R*4	Vel Z	2553-2556	
R*4	Del V	2557-2560	Separation rate (km/sec)
R*4	Spin period	2561-2564	Spin period (seconds)
R*4	Ecliptic long	2565-2568	Ecliptic longitude
R*4	Ecliptic lat	2569-2572	Ecliptic latitude
R*4	Attitude Qual	2573-2576	Attitude Quality Indicator
A*8	Exp tape #	2577-2584	Experimenter tape number of OGM Data
I*4	File #	2585-2588	Exp. tape file
I*2	Year	2589-2590	Year data processed Example: 1977
I*2	Day	2591-2592	Decimal day data processed (0-365)
A*4	Year	2593-2596	Year program version which processed data Example: 1977
A*4	Month, day	2597-2600	Month, day program version which processed data Example: 1021 for Oct. 21

R*8	(18,6,6)	F	2601-7784
R*8	(3,6)	U	7785-7928
R*8	(6)	FN	7929-7976
R*8	(3,3,6)	FP	7977-8408
R*8	(3,6)	FH	8409-8552
R*8	(6)	TRACE	8553-8600
R*8	(3)	UOUT	8601-8624
R*8	(1)	FNOUT	8625-8632
R*8	(3,3)	FPOUT	8633-8704
R*8	(3)	FHOUT	8705-8728
R*8	(1)	TROUT	8729-8736
R*8	(1)	ETTRT	8737-8744
R*8	(1)	DEIG	8745-8752
R*8	(1)	COSB	8753-8760
R*8	(3)	EIGVAL	8761-8784
R*8	(3)	CENTER	8785-8808
R*8	(10)	BN	8809-8888
R*8	(19)	CC	8889-9040
R*8	(1)	POTNEW	9041-9048
R*8	(3,18,6)	VUNTT	9049-11640
R*8	(6,6)	VPOTT	11641-11928
R*8	(6)	XNUXC	11929-11976
R*8	(6)	XNUXE	11977-12024
R*8	(6)	XNUYC	12025-12072
R*8	(6)	XNUYE	12073-12120
R*8	(6)	XNUZC	12121-12168
R*8	(6)	XNUZE	12169-12216
R*8	(6)	XDENC	12217-12264
R*8	(6)	XDENE	12265-12312
R*8	(3,3,6)	XPRSC	12313-12744
R*8	(3,3,6)	XPRSE	12745-13176
R*8	(3,6)	XHEATC	13177-13320
R*8	(3,6)	XHEATE	13321-13464
R*8	(6)	XCURRC	13465-13512
R*8	(6)	XCURRE	13513-13560
R*8	(2)	BXDUM	13561-13576
R*8	(2)	BYDUM	13577-13592
R*8	(2)	BZDUM	13593-13608
I*4	(6)	IMXNUX	13609-13632
I*4	(6)	IMXNUY	13633-13656
I*4	(6)	IMXNUZ	13657-13680
I*4	(6)	IMXDEN	13681-13704
I*4	(3,3,6)	IMPRSE	13705-13920
I*4	(3,6)	IMHEAT	13921-13992
I*2	(1)	INSET	13993-13994
I*2	(1)	ILOFLG	13995-13996
I*2	(6)	ICOR	13997-14008
I*2	(1)	NSECT	14009-14010
I*2	(1)	ISPEED	14011-14012
I*2	(6)	IPATCH	14013-14024
I*2	(12)	IFILL	14025-14048

NOTE: R*8 QUANTITIES ON THIS PAGE NOT COMPUTED DURING A CALL TO SUBROUTINE PLA WILL CONTAIN 7FFFFFFFFFFFFFFF. I*4 QUANTITIES WILL CONTAIN 7FFFFFFF.

The following JCL is needed to read the ISEE-1 Phase 2 Summary tape:

```
//GO.FTXXF001 DD DSN=ISEEA.SUMMARY,LABEL=(,SL,,IN),
// DCB=(RECFM=VS,BLKSIZE=14056,LRECL=14052,DEN=4),
// VOL=SER=FPxxxx,DISP=(SHR,PASS),UNIT=(6250,,DEFER)
```

DUMP OF TAPE GLS-7

D73800

INPUT TAPE GLS-7 ON HT0
DATA INPUT H9 NF 1 SR 1 2 1

MARCH 25, 1983

FILE 1 RECORD 2 LENGTH 14056BYTES

(0)	36E60000	36E40000	0053 0053	0112DC18	009291EC	00000000	0000000C	00030003	02400300	03000300
(40)	03000340	03600340	03600340	03600350	0360034C	03580370	03000300	03000320	03200300	03400340
(80)	03300330	03080304	03700320	030A0350	03780300	03400300	03400300	03400320	03100370	03480368
(120)	03080348	03500348	03180330	03000300	03000340	03600350	03500368	03040330	03300304	035A0362
(160)	03280300	03400340	03000320	03200320	03500324	03500378	03280307	03090FC1	03170300	03000300
(200)	03000300	03000310	03080378	03280308	03300360	03200360	03500300	03000300	03100340	03500360
(240)	03600350	03600350	03600374	03780340	03000300	03400300	03400300	03600360	03100364	03280368
(280)	0358032C	032A0364	03620340	03400330	03000300	03000320	03000358	03480350	03200310	03400320
(320)	03000340	03000300	03000320	03600350	03480328	03580348	03680342	0306031C	031C0300	03400340
(360)	03400340	03200330	03100370	03380344	0308032B	0311031B	03110340	03000300	03400360	03400320
(400)	03100368	03280330	03200330	03000330	03100300	03000300	03400300	03400340	03200310	03500330
(440)	03500360	03340340	03600300	03500300	03400300	03500334	032C0361	03420360	03080354	033E0364
(480)	030C0300	03400300	03000300	03000300	03600330	03600308	03400300	03400340	03000300	03000300
(520)	03600320	03000310	03300368	03280328	03580304	033A0336	032C0300	03000300	03000340	03400338
(560)	03300374	03740308	0348031E	0346032A	03450300	03000300	03400320	03400370	03500328	03080368
(600)	03100370	03400370	03300300	03000300	03000300	03200320	03000350	03700350	03000358	03680360
(640)	03000340	03200320	03000340	03000320	03480378	03380310	03000324	035A0318	03720300	03000300
(680)	03000300	03400320	03400318	03300330	03200310	03400340	03200300	03000300	03000300	03400370
(720)	03700370	03640344	03100332	031A0306	03540300	03000300	03200340	03000310	03300368	03780344
(760)	03040331	03710365	03730300	03600300	03200300	03600328	03500378	03680368	03680368	03100348
(800)	03540300	03000300	03000340	03600340	03100370	03300350	03500358	03680350	03000300	03000300
(840)	03000320	03000360	03600348	03380328	03600370	032C0308	032C0300	03000300	03400340	03400340
(880)	03600318	03200350	03400330	03000340	03200300	03000300	03000340	03200340	03680318	03380338
(920)	03280378	033A036E	03580340	03600300	03000340	03100340	03680344	03040358	03280329	033D036B
(960)	0FC60310	03200320	03200310	03000360	03100328	03380370	03080370	03600368	03480300	03000300
(1000)	03000300	03400340	03200340	03500360	03000358	03700370	03000300	03400300	03600340	03200350
(1040)	03200318	03040330	03300368	03640350	03580300	03000300	03000360	03000330	03500330	03700300
(1080)	03600300	03400300	03200310	03000300	03000300	03200360	03080370	03580378	03680324	03060321
(1120)	03040300	03000300	03000340	03600300	0328034C	037A033A	037C036D	030B0FC6	0FC50340	03000300
(1160)	03000360	03400300	03700344	03780348	03300310	03500360	03480003	41119999	4110F5C2	414A8F5C
(1200)	414851EB	41499999	411CCCCC	00010001	00000012	00020001	00000C00	00000000	00000000	00000000
(1240)	412D6DE7	88298409	413A0007	5918FEFD	88DC88DC	88DC88DC	84F4B082	84F4B082	84F4B082	AFBAB082
(1280)	A7EAAC9A	AEF288DC	88DC88DC	810C810C	88DC84F4	84F4AF56	AF56AE8E	AB6EAEF2	A786A20E	AFBAABD2
(1320)	88DC84F4	88DC84F4	88DC84F4	810CB01E	AEF2AE2A	AD62AE8E	AE2AAFBA	AE2AACFE	88DC88DC	88DC88DC
(1360)	84F4B082	AFBAAFBA	AD62AB6E	AF56AF56	A20EA01A	A402ADC6	88DC84F4	84F488DC	810C810C	810CAFBA
(1400)	AAA6AFBA	ABD2ADC6	D48B958E	00C8D463	88DC88DC	88DC88DC	88DC88DC	B01EAE8E	ABD2ADC6	AE8EAF56
(1440)	B0828100	B082AFBA	88DC88DC	88DCB01E	84F4AFBA	B0828082	AFBAB082	AFBAB082	A8B2ABD2	84F488DC
(1480)	88DC84F4	88DC84F4	88DCB082	B082B01E	AA42ADC6	AD62AC9A	A786A146	AA42A402	84F484F4	88DC88DC
(1520)	88DC88DC	810C88DC	AC9AAE2A	AFBA810C	B01E84F4	810C88DC	84F488DC	88DC88DC	810CB082	AFBAAE2A
(1560)	ADC6AC9A	AE2AAD62	A4CA9EFE	A6BEA6BE	88DC84F4	84F484F4	84F4810C	AF56B01E	AEF2AC36	AB0AAE8E
(1600)	D4C7971E	D4B3971E	84F488DC	88DC84F4	B08284F4	810CB01E	AD62ADC6	AF56810C	AF5688DC	AF56801E
(1640)	88DC88DC	88DC84F4	88DC84F4	84F4810C	B01EAFBA	AF56AFBA	B082A916	84F4B082	88DCAFBA	88DC84F4
(1680)	88DCAFBA	A916A786	9782A4CA	B082AE8E	A97A9976	AA42A84E	88DC84F4	88DC88DC	88DC88DC	88DCB082
(1720)	AF56B082	AE8E84F4	88DC84F4	84F488DC	88DC88DC	88DC88DC	810C88DC	B01EAF56	AD62ADC6	ADC6AC9A
(1760)	AB6E9FB6	9C96A786	88DC88DC	88DC88DC	84F484F4	AC36AF56	A8B2A8B2	AE8EAE2A	9A3E9E8A	A146920A
(1800)	88DC88DC	88DC84F4	810C84F4	AEF2AFBA	ADC6AE8E	AC62B01E	AEF284F4	AEF2AF56	88DC88DC	88DC88DC
(1840)	88DC810C	810C88DC	AFBAAEF2	AFBA88DC	AC9AAD62	B08288DC	84F4810C	810C88DC	84F488DC	810CAE2A
(1880)	ABD2AC36	B01E88DC	AAA6A01A	ACFEA272	88DC88DC	88DC88DC	88DC84F4	810C84F4	AE8EAF56	AF56810C
(1920)	B01E84F4	84F4810C	88DC88DC	88DC88DC	88DC84F4	AEF2AEF2	AEF2AA42	AB0AB01E	A2D6A07E	9EEEA97A
(1960)	88DC88DC	88DC810C	84F488DC	B01EAF56	AD62ABD2	AB0AAB6E	965695F2	9142D4E5	88DCB082	88DC810C
(2000)	88DCB082	ADC6AFBA	ABD2AD62	AD62AD62	AD62B01E	AE2AA97A	88DC88DC	88DC88DC	84F4B082	84F4B01E
(2040)	AEF2AF56	AFBAAFBA	AC9AAD62	AFBA88DC	88DC88DC	88DC88DC	810C88DC	B082B082	AE2AAC36	ADC6B082
(2080)	AEF2A786	AE8EA786	88DC88DC	88DC84F4	84F484F4	84F4B082	ACFE810C	AFBA84F4	88DC88DC	84F4810C
(2120)	88DC88DC	88DC88DC	84F481 C	84F4AD62	ACFEAC36	AC36ADC6	ABD29FB6	9AA2AC9A	84F4B082	88DC88DC
(2160)	84F4B01E	84F4AD62	AB0AAB6E	AC9AADC6	94C68CF6	D4BD00B8	B01E810C	810C810C	88DC88DC	B082B01E
(2200)	ADC6AC36	AEF2AE8E	AEF2B082	AD62AE2A	88DC88DC	88DC88DC	88DC84F4	84F4810C	84F4AFBA	B08288DC
(2240)	AC9AAEF2	AEF288DC	88DC84F4	88DCB082	84F4810C	AFBA810C	ACFEAB6E	AF56AF56	AD62AA42	AFBAAC9A

DUMP OF TAPE GLS1

D73982

INPUT TAPE GLS1 ON HT1
DATA INPUT H9 NF=1 SR=1=2=1

JANUARY 28, 1983

83 27

FILE 1 RECORD 2 LENGTH 14056BYTES

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(80)	036E0FCD	13AA13A6	13AC0FCC	03090324	03780300	03400300	03200300	03700368	034C0FC6	13A40FCD
(120)	0FCA034D	030A0354	03040340	03000300	03100360	03280342	037613A4	13AB13AB	13A20FC4	036E0304
(160)	03380300	03200300	03400320	0308033C	037913A0	17E017E0	13A60FCE	03090322	03040300	03400300
(200)	034 0360	03500328	03120FC1	0FCF13A5	13A60FCF	0343035A	03240300	03000300	03000300	03000300
(240)	03000300	03000300	03000300	03000300	03000300	03000340	03000320	0378032C	03010FCB	13AD13AB
(280)	13AE0FC6	03110374	03380340	03000340	03000300	03080368	037A0FC8	13A013A8	0FC6036B	034C0330
(320)	03080300	03000300	03200300	03700354	037613A8	13A113AD	13A40FC6	0329035C	03780300	03000300
(360)	036 0320	03700360	030B13AB	17E617EC	13A10FCE	0363035C	03440320	03400300	03400360	03300342
(400)	030113A8	13A717E4	13A10FCF	03770336	036C0300	03000300	03000300	03000300	03000300	03000300
(440)	030 0300	03000300	03000340	03200340	03400320	03280374	036513A2	13AB13AF	13A40FC2	0351034C
(480)	03380340	03000300	032 0340	03700368	03320FC4	0FC30FC7	0FCA0335	03440368	03280340	03400300
(520)	034 0340	03700314	032113AC	13A913AD	13AC0FCA	03090374	03080300	03000340	03600350	03300374
(560)	032E13A8	13A913A7	13A60FCD	0369030A	03680300	03000340	03100310	0348032C	033513A1	17E817E1
(600)	17E 13A0	030F0336	031C0300	03000300	03000300	03000300	03000300	03000300	03000300	03000300
(640)	030 0320	03400300	03000360	0308033C	033D17E8	17E617E4	13A50FCA	03150362	03280300	03000300
(680)	030 0340	03200368	032C0FC1	13AC13A4	0FCD030B	03520304	03680300	03000300	03000310	03780352
(720)	031513AC	17EC17E8	13A60FC6	03350332	03240300	03400300	03000320	03180314	032E13AA	17E217EA
(760)	13A50FC9	03630322	03240310	03500320	03000310	0318037C	034913AA	17E217EE	13AD0FC7	0313035E
(800)	03720300	03000300	03000300	03000300	03000300	03000300	03000300	03000300	03000360	03400300
(840)	030 0360	03480324	035D13AE	13AB13A7	13A20FC2	033E036C	03580300	03400300	03000300	03300304
(880)	03520FCE	13AC13A1	0FC70373	037A0348	03180300	03000340	03600360	0330032A	031B13A3	17E617E6
(920)	13A90FC6	0305030C	03340300	03000300	03400360	0378033C	035313AE	17E017E8	13AE0FC1	0343034A
(960)	03140340	03400300	03400340	0348036C	033513A9	17E417E4	13AE0FCF	0333037A	032C0300	03000300
(1000)	030C0300	03000300	030C0300	03000300	030C0300	03000300	03000300	03000300	03600340	03580378
(1040)	034113A2	17E813AF	13A90FCE	03460314	03380340	03400300	03400340	03100308	032A0FC2	13A413A6
(1080)	0FC30333	030A0370	03180300	03000340	03600320	0378030A	030313A5	17E117E2	13A50FC6	0355032C
(1120)	03140320	03400340	03200300	03680332	035B17E4	17E917EE	13AB0FC7	033D0346	03740340	03400320
(1160)	036 0300	03500334	034513A2	17E013AF	13A90FC3	036B035A	03420001	41119999	41119999	414A3D70
(1200)	4147FFFF	41499999	411FAE14	00010001	0000000D	00020001	00000000	00000000	00000000	00000000
(1240)	4048D6E5	DB1653A9	4130A007	5918FEFD	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC
(1280)	88DC88DC	88DC88DC	810C88DC	84F484F4	B01EAFBA	AB6E9AA2	00E00160	01700140	00A0958E	AAA6ABD2
(1320)	88DC84F4	88DC810C	88DCAEF2	AD62A7EA	00B80130	00E000B0	8EEAA20E	A97AAB6E	84F488DC	88DC801E
(1360)	B082ADC6	A4CA9C32	013001E0	01E00150	00989AA2	AB6EAC36	88DC810C	88DC84F4	810CAE8E	A5F692D2
(1400)	011 0220	02200170	00C0958E	A466AB6E	88DC84F4	88DC84F4	B082AFBA	ADC6A39E	00C80100	01B00170
(1440)	0100 8BCA	A01AAAA6	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC
(1480)	88DC88DC	84F488DC	810CABD2	A78698AE	00F001C0	01E00180	00B8971E	A8B2AC36	84F488DC	84F488DC
(1520)	88DCAE8E	AD629F52	00900110	012000B8	D48DA7EA	AF56AE8E	88DC88DC	88DC810C	88DCAEF2	A97A9C32
(1560)	012 0190	01C00130	00B894C6	A65AABD2	88DC88DC	88DCB082	810CAEF2	A722D4DB	01E002E0	02800190
(1600)	00C 8B02	A65AAB0A	81 C84F4	88DC84F4	B082AF56	A4CA98AE	012001F0	02600190	0100D445	9C96A722
(1640)	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	84F4810C	84F484F4
(1680)	810CADC6	A8B29142	015001E0	02000130	00A896BA	A7EAAC36	84F488DC	88DC810C	84F4AEF2	AD62A2D6
(1720)	009800E8	00F800B0	9016AB0A	AD62ADC6	84F484F4	88DC84F4	84F4AEF2	A9DE97E6	014001A0	01C00140
(1760)	00B 958E	A8B2AE8E	88DC88DC	84F4B082	AFBAAF56	A8B29B06	012001A0	01F00170	00E09462	A20EAD62
(1800)	88DC88DC	84F4B01E	B01EAE0A	A7869016	01900240	03200220	0110D43B	9C96A6BE	88DC88DC	88DC88DC
(1840)	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	810C84F4	88DC88DC	B082AE8E	A5F68CF6
(1880)	024 02E0	02600180	00B090DE	A402ADC6	88DC88DC	88DC88DC	84F4810C	AD62A786	00C80140	013000E0
(1920)	D4DBA33A	AB6EAD62	88DC88DC	88DC88DC	B01EABD2	A33A90DE	01C00280	02400170	00B89016	A2D6AAA6
(1960)	88DC84F4	88DC88DC	810CACFE	A9DE9B06	016002A0	02C001B0	00D08B02	A466AAA6	B01EAFBA	810C88DC
(2000)	B01EACFE	A592952A	016002A0	030001C0	00F8D503	99DAA272	88DC88DC	88DC88DC	88DC88DC	88DC88DC
(2040)	88DC88DC	88DC88DC	88DC88DC	88DC88DC	B08284F4	88DC88DC	B082AE2A	AAA68D5A	018001E0	01F00150
(2080)	00A89976	A722AC9A	88DC84F4	88DC88DC	88DCAF56	AB6EA33A	00C00140	019000F8	D4E59F52	AE2AACFE
(2120)	88DC88DC	84F4B082	B082AF56	A146D4B3	01D002E0	02E001A0	00B8926E	A84EA916	88DC88DC	88DC84F4
(2160)	B082ABD2	A5F6D4F9	01800220	02400180	00C88BCA	A1AAA9DE	84F484F4	88DC84F4	84F4AE2A	A7229016
(2200)	01A 0260	02600180	01 0D4EF	9F52A786	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC	88DC88DC
(2240)	88DC88DC	88DC88DC	88DC88DC	88DCB082	84F4AC9A	ABD2984A	01500240	020001A0	00C09E8A	A9DEAC36

DUMP OF TAPE GLS2

D73799

MARCH 26, 1983

INPUT TAPE GLS2 ON HT0
DATA INPUT H9 NF=1 SR=1=2=1

93 84

FILE 1 RECORD 2 LENGTH 14056BYTES

(0)	36E80000	36E40000	00530054	00213FA8	0094B97B	00020004	0010000C	00030003	02400300	03000340
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(80)	03780302	030A035A	03360339	0319031C	03180300	03000300	03400340	03600310	03080354	032C034C
(120)	036C0344	03540318	03440300	03200340	03200320	03500330	0338033C	03120336	03010321	03450305
(160)	03240320	03000300	03000360	03480348	03280306	0366036E	032D0FC4	0FC60FC6	03030300	03000300
(200)	03000340	03500318	0378037A	0302037A	034A0372	03780318	03180340	03400300	03000340	03600330
(240)	03500378	03040364	031C0364	036C0370	03400320	03400340	03400320	03480318	03780312	034A0316
(280)	034D031D	0353037A	03540320	03000300	03200340	03600370	03100314	037C0314	034C0368	03100310
(320)	03700340	03400300	03400320	03600348	0348031A	030A0346	034E036D	03730367	03220340	03400300
(360)	03000300	03000308	03180332	034E0379	034D035F	032F032B	03010300	03000340	03000300	03100328
(400)	03280372	0316036A	033C0334	03700358	03780340	03400300	03000300	03400340	03500304	03640304
(440)	03640354	035C0360	03000340	03000300	03400340	03500338	032A0379	0356031E	0301032D	031D0372
(480)	036C0300	03000300	03200340	03200310	0350036C	03040324	03780348	03300360	0320030C	03000300
(520)	03200300	03300308	03280342	034A032E	03510305	0FC0031F	03620340	03000300	03000340	03100328
(560)	03300356	035A034E	03150360	035F0FC0	03760320	03000300	03400360	03200310	03380326	0326035A
(600)	034A0372	03480308	03040340	03000340	03000340	03100340	03280378	03780314	030C0360	
(640)	03240300	03400300	03600360	03000350	0308037C	03660336	03210305	0369037C	03380300	03000300
(680)	03000300	03400320	03700318	03540354	03380338	03400360	03100340	03000300	03600340	03100358
(720)	03440376	0332031A	031E0315	036F0FC8	03520300	03000300	03000340	03100308	0358034A	03410361
(760)	030B0FC8	031F0FC4	03390340	03600300	03500300	03700310	03680326	03720316	0346031A	0338031C
(800)	03720300	03000300	03000340	03000340	03600368	03640364	03380364	03580330	03600340	03000300
(840)	03240320	03600370	0308037C	030A0301	031A031E	03610314	03080300	03000300	03000300	03600350
(880)	03330364	031C0368	03040350	03600300	03600340	03200300	03400340	03200370	03180352	032E037A
(920)	0309035B	036B036F	036C0320	03400300	03200340	03400358	03540366	03110351	036D0FC4	0FCE0FC9
(960)	034F0360	03600300	03100360	03600330	03580376	033A0316	0366036A	03780368	03040300	03000300
(1000)	03000300	03000360	03200348	03540378	03680344	034C0350	03000300	03400300	03400320	03200310
(1040)	03440322	03120312	03160321	0316033C	03180300	03000300	03000340	03400360	03080324	03340314
(1080)	03740370	03400360	03500350	03400300	03200330	03100370	0308034A	0302037A	036E0375	034D0315
(1120)	03540340	03000300	03400320	03100308	03240322	03430347	03730FC0	0FC10FCE	0FC20300	03400300
(1160)	03200350	03200330	0318036A	033A0356	031A0312	03580328	03680003	C1519999	C1519999	C1519999
(1200)	C1519999	C1519999	C1519999	00010001	00000005	00020001	00000000	00000000	00000000	00000000
(1240)	4122525E	536C8867	41309FED	C2A3CF67	88DC88DC	84F488DC	84F4B082	84F4810C	AC9AADC6	A7EAABD2
(1280)	ABD2AA42	B01EAFBA	88DC88DC	88DC810C	AFBAB01E	AE8EABD2	A52EA20E	A01A9C96	933693FE	A6BEACFE
(1320)	88DC88DC	88DC84F4	84F4B082	B01EAE8E	A97AA786	A7EAA722	AB0AA97A	ACFEAB0A	88DC810C	84F4810C
(1360)	810CAFBA	AF56AC36	A5F6A39E	9C9698AE	97E6920A	926EAAA6	810C88DC	88DC88DC	B082AE2A	AE2AADC6
(1400)	9EEE9DC2	9AA28E86	009800B8	00B88C2E	88DC88DC	88DC88DC	84F4AFBA	ACFEABD2	9F52A52E	9F52A1AA
(1440)	A272ABD2	ACFEACFE	84F484F4	88DC88DC	84F4B082	AF56AFBA	ABD2AB6E	AA42A6BE	AA42A722	AEF284F4
(1480)	810C84F4	84F484F4	810CAE2A	ACFEABD2	A39EA1AA	9D5E8EEA	8DBED4F9	9F52A97A	810C88DC	88DC810C
(1520)	84F4B082	AEF2B01E	A9DEA592	A9DEA7EA	AD62B01E	B01EAEF2	84F484F4	88DC84F4	810CB082	AE2AAE2A
(1560)	A07EA20E	9E8A9B6A	8E22D4E5	D46DA466	84F484F4	88DC88DC	88DC88DC	AE8EACFE	A2D69B6A	92D28EEA
(1600)	D409D427	D4C798AE	88DC88DC	84F488DC	88DCB01E	ADC6ADC6	A2729D5E	A0E2A5F6	A916AEF2	AC9AABD2
(1640)	84F484F4	88DC88DC	88DC84F4	84F4AFBA	AB6EAA42	AB6EAA42	A97AA65A	B08288DC	84F488DC	88DC84F4
(1680)	84F4AFBA	AC36A146	92D29CFA	9A3E98AE	8E868D8E	A272A722	88DC88DC	88DC810C	84F4810C	B01EAFBA
(1720)	A722AB6E	AAA6ABD2	AE2AAF56	B082810C	88DC88DC	88DC810C	88DCAF56	AE8EADC6	A4CAA1AA	9B0696BA
(1760)	926E0088	D413A402	84F488DC	88DC88DC	84F4B01E	ADC6AF56	9CFAA01A	9B6A90DE	8E22D409	00889C32
(1800)	810C88DC	88DC84F4	B08281AC	B01EAC36	9E269E26	A01AA1AA	A272AE2A	AE8EAB6E	88DC88DC	84F488DC
(1840)	84F4B01E	84F4B082	AEF2ADC6	ABD2ABD2	A9DEA84E	B082810C	88DC84F4	88DC88DC	B08288DC	AFBAAE8E
(1880)	A592DDC2	9C9697E6	926E9462	A592AC36	88DC88DC	88DC88DC	88DC84F4	810CAEF2	ACFEA97A	A97AAC36
(1920)	AC3684F4	B082B01E	84F488DC	88DCB082	84F4B01E	AC9AAB0A	9C32A2D6	A07E9A3E	90DED41D	0090A33A
(1960)	88DC88DC	88DC88DC	84F4B01E	AE8EAC9A	A1AA984A	9782D4DB	0090D413	00989336	84F4B082	88DCAFBA
(2000)	88DCAEF2	B01EAD62	9E26A272	9D5E9E8A	A07EAC36	A6BEA272	88DC88DC	88DC88DC	84F488DC	84F4B082
(2040)	AD62AA42	AA42AC36	AA42AC9A	AF56B082	84F488DC	88DC810C	810CB082	AEF2AE8E	A592A20E	98AEA07E
(2080)	9A3E9782	A9DEAE8E	88DC88DC	88DC88DC	88DCB082	AFBAAF56	AA42A6BE	AD62AB6E	AFBAB082	88DCB082
(2120)	84F4810C	88DC84F4	84F4813C	AEF2ACFE	A33A9B06	9F52958E	D4A9D4BD	D41DA722	810C84F4	88DC810C
(2160)	84F484F4	AC9AA97A	9DC2971E	96BA8E22	009800C0	00D0D431	B082B082	88DCB01E	B082B082	AF56AC9A
(2200)	9C329FB6	9D5E9DC2	A0E2ABD2	AD62AB6E	88DC88DC	88DC88DC	88DC88DC	B082810C	AE2AA97A	ABD2AD62
(2240)	AB0AA7EA	AFBA88DC	88DC84F4	88DC84F4	810C810C	B01EAB0A	A466A39E	A39E9D5E	97E69D5E	A5F6ACFE

ISEE-1

64 SEC AVG MAG DATA

77-102A-04A SPMS-00259

This data set has been restored. There was one original 9-track, 1600 BPI tape written in Binary. There is one restored tape written in Binary. The DR tape is a 3480 cartridge and the DS tape is 9-track, 1600 BPI. The tape was created on a 360 computer. The DR and DS numbers along with the corresponding D number and the time span is as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03719	DS03719	DD32358	2	12/01/77 - 12/10/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD0977	HKH

ISEE-1

64 SEC AVG [illegible] DATA

77-102A-04I

This data set catalog consists of 1 data tape. The tape is 9 track, 1600 BPI, Binary with 2 files of data. The tape was created on an IBM 370/91 computer.

Time span is as follows:

D#	S/C	TIME SPAN
D-8235A	C-20198	[illegible]

NR1

ISEE-1 DATA TAPE UCLA SEPTEMBER 1978

THIS DESCRIBES THE TAPE CONTAINING ISEE-1 64 SEC. AVERAGE FIELD VALUES IN GSM COORDINATE FOR THE PERIOD 01:00 HRS. DEC. 1, 1977 TO 00:00 HRS. DEC. 11, 1977.

>>>>>>>>>>>>>>>>>>>>>>>>>>>> TAPE <<<<<<<<<<<<<<<<<<<<<<<<<<<<

THE TAPE IS A 9-TRACK, 1600 BPI, ODD PARITY, UNLABELLED TAPE CREATED BY IBM 360/91 COMPUTER.

THE RECORD FORMAT IS FIXED AND THE BLOCK SIZE IS 4800 (IBM 8-BIT) BYTES.

EACH 4800 BYTE LONG PHYSICAL RECORD CONTAINS 100 LOGICAL RECORDS.

THERE ARE 2 FILES ON THE TAPE.
FILE 1: DEC. 1, 1977, 01:40 HOURS TO DEC. 4, 00:02 HOURS; 3672 LOGICAL RECORDS.
FILE 2: DEC. 4, 1977, 02:10 HOURS TO DEC 10, 23:58 HOURS; 8060 LOGICAL RECORDS.

>>>>>>>>>>>>>>>>>>>> LOGICAL RECORDS <<<<<<<<<<<<<<<<<<<<

EACH LOGICAL RECORD IS 48 BYTE LONG OR CONTAINS 12 (4-BYTE) REAL WORDS

OFF				
000	YEAR	DAY OF YEAR	MONTH	DAY OF MONTH
004	HOUR	MINUTE	SECOND	MILLISECOND
008	BX	BY	BZ	BT

##	DESCRIPTION (64 SECOND RECORD)	
1	YEAR -	E.G., 77 (1977)
2	DAY OF YEAR -	E.G., 1.
3	MONTH -	E.G., 1. (JANUARY)
4	DAY OF MONTH -	E.G., 1.
5	HOUR -	E.G., 23.
6	MINUTE -	E.G., 57.
7	SECOND -	E.G., 30.
8	MILLISECOND -	E.G., 650.
9	BX - 64 SECOND AVERAGE OF BX IN GAMMAS.	
10	BY - 64 SECOND AVERAGE OF BY IN GAMMAS.	
11	BZ - 64 SECOND AVERAGE OF BZ IN GAMMAS.	
12	BT - 64 SECOND AVERAGE. SQRT(BX*BX+BY*BY+BZ*BZ)	

DUMP OF TAPE X-410

11-32358
ISE-1
12/01/77-12/10/77

INPUT TAPE X-410 ON MS1
DATA INPUT H9 NF 2 FL 2 1 1

FILE 1 RECORD 1 LENGTH 4800BYTES

(0)	424D0000	4314F000	41C00000	41100000	41100000	42280000	41500000	00000000	3FA58F3D	C117B13E
(40)	C0317 3C4	4117E67C	424D0000	4314F000	41C00000	41100000	41100000	42290000	41900000	00000000
(80)	4062E98A	C117E136	4033FEF9	4118E14E	424D0000	4314F000	41C00000	41100000	41100000	422A0000
(120)	41D00000	00000000	4025F037	C112A928	C1126466	411A4EE3	424D0000	4314F000	41C00000	41100000
(160)	41100000	422B0000	42110000	00000000	4042B74D	C11B645A	C0BD18E6	411E1F74	424D0000	4314F000
(200)	41C00000	41100000	41100000	422C0000	42150000	00000000	402689E2	C11E376D	C0E26754	412173D5
(240)	424D0000	4314F000	41C00000	41100000	41100000	422D0000	42190000	00000000	40CAEEDD	C127D126
(280)	C01C8C59	4129D38B	424D0000	4314F000	41C00000	411C0000	41100000	422E0000	421D0000	00000000
(320)	40EEFC25	C128E29A	405C8C3D	412BE927	424D0000	4314F000	41C00000	41100000	41100000	422F0000
(360)	42210000	00000000	409B43E4	C126837B	4076375C	41286612	424D0000	4314F000	41C00000	41100000
(400)	41100000	42300000	42250000	00000000	41150BE5	C128B71C	40A442B2	412EF6B6	424D0000	4314F000
(440)	41C00000	41100000	41100000	42310000	42290000	0CCC0000	4117E35F	C1216F45	40515DB2	412967B4
(480)	424D0000	4314F000	41C00000	41100000	41100000	42320000	422D0000	00000000	411A3064	C124CA8A
(520)	40D141D0	412E6E73	424D0000	4314F000	41C00000	41100000	41100000	42330000	42310000	00000000
(560)	41119D0B	C1174402	40B3EAED	411F45C4	424D0000	4314F000	41C00000	41100000	41100000	42340000
(600)	42350000	00000000	4112ECDF	C117C12C	41180354	4126B7C3	424D0000	4314F000	41C00000	41100000
(640)	41100000	42350000	42390000	00000000	411CC1AF	C115934F	4115AFB2	4129FC25	424D0000	4314F000
(680)	41C00000	41100000	41100000	42370000	41100000	0CCC0000	40885EEA	C11803A4	41112FFF	411EBC8F
(720)	424D0000	4314F000	41C00000	41100000	41100000	42380000	41500000	00000000	C0519A8B	C114B044
(760)	BFCA1F5A	41155292	424D0000	4314F000	41C00000	411C0000	41100000	42390000	41900000	00000000
(800)	C0A4A7D4	C119A86D	4014A2CC	411BACC1	424D0000	4314F000	41C00000	41100000	411C0000	423A0000
(840)	41D00000	00000000	C0F7C049	C11F8E96	C0103D23	41232A78	424D0000	4314F000	41C00000	41100000
(880)	41100000	423B0000	42110000	00000000	C110D6FA	C11CAE6D	C0416A15	41218287	424D0000	4314F000
(920)	41C00000	41100000	41200000	00000000	42150000	0CCC0000	C0CB7EA1	C11846CC	C05E864E	411C0930
(960)	424D0000	4314F000	41C00000	41100000	41200000	411C0000	42190000	00000000	C0EA6E4F	C11B19ED
(1000)	C05D6A72	411F5B54	424D0000	4314F000	41C00000	411C0000	41200000	41200000	421D0000	00000000
(1040)	C11C4535	C11CB80E	BFF6B2F2	41210580	424D0000	4314F000	41C00000	41100000	41200000	41300000
(1080)	42210000	00000000	C1102B10	C11E939B	3FFAAE4D	41229A1B	424D0000	4314F000	41C00000	41100000
(1120)	41200000	41400000	42250000	00000000	C09EE57B	C12CE2E5	408CA06D	412375A9	424D0000	4314F000
(1160)	41C00000	41100000	41200000	41500000	42290000	0CCC0000	C0FA057A	C11DA1B8	40E9A777	41248B52
(1200)	424D0000	4314F000	41C00000	41100000	41200000	41600000	422D0000	00000000	C0DAE5D7	C11E498A
(1240)	40E06682	41241271	424D0000	4314F000	41C00000	41100000	41200000	41700000	42310000	00000000
(1280)	CCDE8102	C11F65A8	40C7F04B	41248AC4	424D0000	4314F000	41C00000	41100000	41200000	41800000
(1320)	42350000	00000000	C0A9591B	C1227F2E	40C82152	412630C0	424D0000	4314F000	41C00000	41100000
(1360)	41200000	41900000	42370000	00000000	C0A3F479	C1225581	40DDB8B4	41266ABC	424D0000	4314F000
(1400)	41C00000	41100000	41200000	41A00000	423B0000	0CCC0000	C0D469E5	C12288B6	40F47DBB	41280782
(1440)	424D0000	4314F000	41C00000	41100000	41200000	41C00000	41300000	00000000	C09E10AF	C1222A20
(1480)	4110D600	41275913	424D0000	4314F000	41C00000	41100000	41200000	41D00000	417C0000	00000000
(1520)	CCC4A961	C11FB1ED	4112242B	41268855	424D0000	4314F000	41C00000	41100000	41200000	41E00000
(1560)	41B00000	00000000	C041D791	C1216346	40C3B1F0	4123CB7E	424D0000	4314F000	41C00000	41100000
(1600)	41200000	41F00000	41F00000	00000000	C092CDDA	C1247627	40CFB2DA	4127C3E8	424D0000	4314F000
(1640)	41C00000	41100000	41200000	42100000	42130000	0CCC0000	C110BC62	C124EAB7	41139C12	412D70F
(1680)	424D0000	4314F000	41C00000	41100000	41200000	42110000	42170000	00000000	C1156115	C121E729
(1720)	41110524	412B8B84	424D0000	4314F000	41C00000	41100000	41200000	42120000	421B0000	00000000
(1760)	C1199AD9	C120493B	4115B6E4	412E93FB	424D0000	4314F000	41C00000	41100000	41200000	42130000
(1800)	421F0000	00000000	C116BFE6	C1235C25	41147957	412FC555	424D0000	4314F000	41C00000	41100000
(1840)	41200000	42140000	42230000	00000000	C11B83AC	C1213D71	41177B25	41312014	424D0000	4314F000
(1880)	41C00000	41100000	41200000	42150000	4227C000	0CCC0000	C11A5ED6	C12302E3	41165413	413130E1
(1920)	424D0000	4314F000	41C00000	41100000	41200000	42160000	422B0000	00000000	C1189559	C1226426
(1960)	41167053	412FDC34	424D0000	4314F000	41C00000	411C0000	41200000	42170000	422F0000	00000000
(2000)	C1195190	C1213B4A	411A7E86	41317868	424D0000	4314F000	41C00000	41100000	41200000	42180000
(2040)	42330000	00000000	C119C0BF	C1234DBC	411B5516	4131892B	424D0000	4314F000	41C00000	41100000
(2080)	41200000	42190000	42370000	00000000	C117E48D	C11D3374	41201DBE	41318C48	424D0000	4314F000
(2120)	41C00000	41100000	41200000	421A0000	423B0000	0CCC0000	C11B4515	C11D82A9	41164615	412DF10B
(2160)	424D0000	4314F000	41C00000	41100000	41200000	421C0000	41300000	00000000	C11EBFB0	C11BABE8
(2200)	4111B78E	412D0043	424D0000	4314F000	41C00000	41100000	41200000	421D0000	41700000	00000000
(2240)	C12058B0	C11AFD3F	4111BECF	412DB655	424D0000	4314F000	41C00000	41100000	41200000	421E0000

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(  2080)   42170000  42280000  421D0000  00000000  C1A8823F  4183D6EA  41A78839  421DFBE0  424D0000  43158000
(  2120)   41C00000  41A00000  42170000  42290000  42210000  0CCC0000  C1AF5DF7  419BDE32  418C19A9  42110CEB
(  2160)   424D0000  43158000  41C00000  41A00000  42170000  422A0000  42250000  00000000  C1AA32B6  41976B06
(  2200)   418969D7  4210A0A4  424DC000  43158000  41C00000  41AC0000  42170000  422B0000  42290000  00C00000
(  2240)   C1A29C11  4185F9E5  41A877E8  4213DC3D  424D0000  43158000  41C00000  41A00000  42170000  422C0000
(  2280)   422D0000  00000000  C1A5C686  418B73BA  41958407  421C737A  424D0000  43158000  41C00000  41A00000
(  2320)   42170000  422D0000  42310000  00C00000  C192EE81  41D38E8A  412C51A4  421055C4  424D0000  43158000
(  2360)   41C00000  41A00000  42170000  422EC000  42350000  0CCC0000  C17F14C1  41DDCAB1  412C399D  4210CFF4
(  2400)   424D0000  43158000  41C00000  41A00000  42170000  422F0000  42390000  00000000  C191A958  41E1414C
(  2440)   411C3C62  4210DBAE  424D0000  43158000  41C00000  41AC0000  42170000  42310000  41100000  00000000
(  2480)   C198ECBB  41D036CF  41227EC3  4210A1A1  424D0000  43158000  41C00000  41A00000  42170000  42320000
(  2520)   41500000  00000000  C199DDB2  41DB48CA  4120827D  4210DD8C  424D0000  43158000  41C00000  41A00000
(  2560)   42170000  42330000  41900000  00000000  C19898C8  41CA6C83  41149BFC  41FE5596  424D0000  43158000
(  2600)   41C00000  41A00000  42170000  42340000  41D00000  0CCC0000  C19BF386  41C73890  41226D48  41FF5545
(  2640)   424D0000  43158000  41C00000  41AC0000  42170000  42350000  42110000  00000000  C19B6EB5  41C68912
(  2680)   4C1D7D70  41FC2610  424D0000  43158000  41C00000  41AC0000  42170000  42360000  42150000  00000000
(  2720)   C19801FB  41D1DEF4  C0BDE290  4213368B  424D0000  43158000  41C00000  41A00000  42170000  42370000
(  2760)   42190000  00000000  C19692DB  41D99BAD  C1178259  421C9AA7  424D0000  43158000  41C00000  41A00000
(  2800)   42170000  42380000  421D0000  00C00000  C1951187  41DC0D42  40839500  42100134  424D0000  43158000
(  2840)   41C00000  41A00000  42170000  42390000  42210000  0CCC0000  C1946D3B  41CA1FC1  C11CB377  41FC679B

        FILE    INPUT     DATA RECORDS     MAX.          READ ERROR SUMMARY          INPUT RETRIES
                RECS.        INPUT         SIZE       PERM  ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
           2      81         82           4800          0      0       0      0       0       0

 EOJ        DUMP STOPPED AFTER FILE   2          # OF PERMANENT READ ERRORS  0

START TIME 10/11/78  16:26:51        STOP TIME 10/11/78  16:27:09
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77-102A-04D SPMS-00041

ISEE-1

60MS FLUX GATE MAG DATA

This data set has been restored. There was one original 9-track, 1600 BPI tape written in EBCDIC. There is one restored tape written in EBCDIC. The DR tape is a 3480 cartridge and the DS tape is 9-track, 1600 BPI. The tape was created on a 360 computer. The DR and DS numbers along with the corresponding D number and the time spans is as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03720	DS03720	DD34066	14	11/07/77 - 01/01/78

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2651	MJT

ISEE 1

60 MS FLUXGATE MAG DATA

77-102A-04D

This data set catalog consists of 1 data tape. The tape is 9 track, 1600 BPI, EBCDIC with 14 file s of data. The tape was crated on an IBM 360 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-34066	C-20648	11/07/77 - 1/01/78

D-34066
11/07/77 - 1/01/78

DUMP OF TAPE X208

INPUT TAPE X208 ON MS2
DATA INPUT H9 NF 14 FL 1 1 1 SR 14 1 1 SR 14 LAST 1

FILE	1 RECORD	1 LENGTH	240 BYTES							
(0)	40F7F7F3	F1F140F2	F2F4F440	40F04BF0	F0F64040	404040F0	4BF3F2F0	40404040	40F44BF3	F1F34040
(40)	404040F2	4BF1F8F2	40404040	40F44BF8	F4F54040	40404040	40404040	40404040	40404040	40403040
(80)	40F7F7F3	F1F140F2	F2F4F440	40F04BF0	F6F94040	404040F0	4BF3F2F9	40404040	40F44BF3	F1F54040
(120)	404040F2	4BF1F8F9	40404040	40F44BF8	F4F94040	40404040	40404040	40404040	40404040	40404040
(160)	40F7F7F3	F1F140F2	F2F4F440	40F04BF1	F3F14040	404040F0	4BF3F4F7	40404040	40F44BF3	F2F04040
(200)	404040F2	4BF1F9F6	40404040	40F44BF8	F6F64040	40404040	40404040	40404040	40404040	40403040
(240)	40F7F7F3	F1F140F2	F2F4F440	40F04BF1	F9F44040	404040F0	4BF3F5F5	40404040	40F44BF3	F5F54040
(280)	404040F2	4BF1F6F5	40404040	40F44BF8	F7F64040	40404040	40404040	40404040	40404040	40404040
(320)	40F7F7F3	F1F140F2	F2F4F440	40F04BF2	F5F64040	404040F0	4BF3F1F8	40404040	40F44BF3	F0F14040
(360)	404040F2	4BF1F7F6	40404040	40F44BF8	F8F44040	40404040	40404040	40404040	40404040	40404040
(400)	40F7F7F3	F1F140F2	F2F4F440	40F04BF3	F1F94040	404040F0	4BF3F5F9	40404040	40F44BF3	F5F34040
(440)	404040F2	4BF2F1F1	40404040	40F44BF8	F9F34040	40404040	40404040	40404040	40404040	40403040
(480)	40F7F7F3	F1F140F2	F2F4F440	40F04BF3	F8F14040	404040F0	4BF3F1F3	40404040	40F44BF3	F4F04040
(520)	404040F2	4BF2F2F5	40404040	40F44BF8	F9F34040	40404040	40404040	40404040	40404040	40403040
(560)	40F7F7F3	F1F140F2	F2F4F440	40F04BF4	F4F44040	404040F0	4BF3F5F7	40404040	40F44BF3	F2F04040
(600)	404040F2	4BF2F3F3	40404040	40F44BF8	F7F34040	40404040	40404040	40404040	40404040	40403040
(640)	40F7F7F3	F1F140F2	F2F4F440	40F04BF5	F0F64040	404040F0	4BF2F7F7	40404040	40F44BF3	F3F34040
(680)	404040F2	4BF2F4F9	40404040	40F44BF8	F9F54040	40404040	40404040	40404040	40404040	40403040
(720)	40F7F7F3	F1F140F2	F2F4F440	40F04BF5	F6F94040	404040F0	4BF2F6F7	40404040	40F44BF3	F4F24040
(760)	404040F2	4BF2F7F5	40404040	40F44BF9	F0F94040	40404040	40404040	40404040	40404040	40403040
(800)	40F7F7F3	F1F140F2	F2F4F440	40F04BF6	F3F14040	404040F0	4BF2F6F3	40404040	40F44BF3	F1F34040
(840)	404040F2	4BF3F1F2	40404040	40F44BF9	F0F24040	40404040	40404040	40404040	40404040	40403040
(880)	40F7F7F3	F1F140F2	F2F4F440	40F04BF6	F9F34040	404040F0	4BF2F4F2	40404040	40F44BF3	F0F34040
(920)	404040F2	4BF3F4F1	40404040	40F44BF9	F0F54040	40404040	40404040	40404040	40404040	40403040
(960)	40F7F7F3	F1F140F2	F2F4F440	40F04BF7	F5F64040	404040F0	4BF2F2F3	40404040	40F44BF3	F1F14040
(1000)	404040F2	4BF3F4F8	40404040	40F44BF9	F0F54040	40404040	40404040	40404040	40404040	40403040
(1040)	40F7F7F3	F1F140F2	F2F4F440	40F04BF8	F1F84040	404040F0	4BF2F2F2	40404040	40F44BF2	F4F24040
(1080)	404040F2	4BF3F4F1	40404040	40F44BF8	F8F54040	40404040	40404040	40404040	40404040	40402040
(1120)	40F7F7F3	F1F140F2	F2F4F440	40F04BF8	F8F14040	404040F0	4BF2F1F1	40404040	40F44BF2	F2F34040
(1160)	404040F2	4BF3F4F3	40404040	40F44BF8	F7F84040	40404040	40404040	40404040	40404040	40403040
(1200)	40F7F7F3	F1F140F2	F2F4F440	40F04BF9	F4F34040	404040F0	4BF2F1F2	40404040	40F44BF2	F4F94040
(1240)	404040F2	4BF3F3F9	40404040	40F44BF8	F5F54040	40404040	40404040	40404040	40404040	40403040
(1280)	40F7F7F3	F1F140F2	F2F4F440	40F14BF0	F0F64040	404040F0	4BF1F8F6	40404040	40F44BF2	F3F54040
(1320)	404040F2	4BF3F5F0	40404040	40F44BF8	F4F84040	40404040	40404040	40404040	40404040	40403040
(1360)	40F7F7F3	F1F140F2	F2F4F440	40F14BF0	F6F84040	404040F0	4BF1F9F2	40404040	40F44BF2	F3F54040
(1400)	404040F2	4BF3F6F2	40404040	40F44BF8	F5F34040	40404040	40404040	40404040	40404040	40403040
(1440)	40F7F7F3	F1F140F2	F2F4F440	40F14BF1	F3F14040	404040F0	4BF2F2F8	40404040	40F44BF2	F4F04040
(1480)	404040F2	4BF3F5F2	40404040	40F44BF8	F6F04040	40404040	40404040	40404040	40404040	40403040
(1520)	40F7F7F3	F1F140F2	F2F4F440	40F14BF1	F9F34040	404040F0	4BF2F1F7	40404040	40F44BF2	F2F24040
(1560)	404040F2	4BF3F4F8	40404040	40F44BF8	F3F54040	40404040	40404040	40404040	40404040	40403040
(1600)	40F7F7F3	F1F140F2	F2F4F440	40F14BF2	F5F64040	404040F0	4BF2F1F3	40404040	40F44BF2	F3F54040
(1640)	404040F2	4BF3F4F5	40404040	40F44BF8	F4F64040	40404040	40404040	40404040	40404040	40403040
(1680)	40F7F7F3	F1F140F2	F2F4F440	40F14BF3	F1F84040	404040F0	4BF2F4F1	40404040	40F44BF2	F5F34040
(1720)	404040F2	4BF3F4F3	40404040	40F44BF8	F6F24040	40404040	40404040	40404040	40404040	40403040
(1760)	40F7F7F3	F1F140F2	F2F4F440	40F14BF3	F8F14040	404040F0	4BF2F3F6	40404040	40F44BF2	F0F54040
(1800)	404040F2	4BF3F1F6	40404040	40F44BF8	F5F94040	40404040	40404040	40404040	40404040	40403040
(1840)	40F7F7F3	F1F140F2	F2F4F440	40F14BF4	F4F34040	404040F0	4BF2F3F5	40404040	40F44BF3	F0F74040
(1880)	404040F2	4BF2F8F9	40404040	40F44BF8	F8F24040	40404040	40404040	40404040	40404040	40403040
(1920)	40F7F7F3	F1F140F2	F2F4F440	40F14BF5	F0F64040	404040F0	4BF2F3F7	40404040	40F44BF3	F2F74040
(1960)	404040F2	4BF2F8F4	40404040	40F44BF8	F9F34040	40404040	40404040	40404040	40404040	40403040
(2000)	40F7F7F3	F1F140F2	F2F4F440	40F14BF5	F6F84040	404040F0	4BF2F3F4	40404040	40F44BF3	F2F14040
(2040)	404040F2	4BF2F9F4	40404040	40F44BF8	F8F04040	40404040	40404040	40404040	40404040	40403040
(2080)	40F7F7F3	F1F140F2	F2F4F440	40F14BF6	F3F14040	404040F0	4BF2F4F3	40404040	40F44BF3	F1F04040
(2120)	404040F2	4BF3F1F9	40404040	40F44BF9	F0F54040	40404040	40404040	40404040	40404040	40403040
(2160)	40F7F7F3	F1F140F2	F2F4F440	40F14BF6	F9F34040	404040F0	4BF2F2F2	40404040	40F44BF3	F4F34040
(2200)	404040F2	4BF3F1F8	40404040	40F44BF9	F2F84040	40404040	40404040	40404040	40404040	40403040
(2240)	40F7F7F3	F1F140F2	F2F4F440	40F14BF7	F5F54040	404040F0	4BF2F2F5	40404040	40F44BF3	F2F14040

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(  1720)   404040F3   4BF7F5F7   40404040   40F44BF0   F8F74040   4C4C4040   40404040   40404040   4C4C4040   4C4C4040
(  1760)   40F7F840   40F140F1   F7F4F540   40F14BF3   F7F44040   4C4C40F0   45F4F7F8   40404040   40F142F5   F4F44040
(  1800)   404040F3   4BF7F6F1   40404040   40F44BF0   F9F34040   4C4C4040   4C4C4C4C   4C4C4C4C   4C4C4C4C   4C4C4C4C
(  1840)   40F7F840   40F140F1   F7F4F540   40F14BF4   F3F74040   4C4C40F0   4BF4F7F8   4C4C4C4C   4C F14BF5   F3F84040
(  1880)   404040F3   4BF7F8F9   40404040   40F44BF1   F1F74040   4C4C4040   40404040   40404040   40404040   40404040
(  1920)   40F7F840   40F140F1   F7F4F540   40F14BF4   F9F94040   4F4C4C40   4BF4F8F7   4C4C4C4C   4C F14BF5   F2F84C4C
(  1960)   404040F3   4BF8F1F0   40404040   40F44BF1   F3F14040   4C4C4C40   4C4C4C4C   4C4C4C4C   4C4C4C4C   4C4C4C4C
(  2000)   40F7F840   40F140F1   F7F4F540   40F14BF5   F6F24040   4C4C40F0   4BF4F9F9   40404040   40F14BF5   F3F84040
(  2040)   404040F3   4BF7F9F1   40404040   40F44BF1   F0F74040   4C4C4040   40404040   40404040   40404040   40404040
(  2080)   40F7F840   40F140F1   F7F4F540   40F14BF6   F2F44040   4C4C4CF0   4BF5F1F1   4C4C4C4C   4C F14BF5   F1F84C4C
(  2120)   404040F3   4BF7F6F3   40404040   40F44BF0   F8F24040   4C4C4C40   4C4C4C4C   4C4C4C4C   4C4C4C4C   4C4C4C40
(  2160)   40F7F840   40F140F1   F7F4F540   40F14BF6   F8F74040   4C4C40F0   4BF4F5F7   40404040   40F14BF4   F6F14040
(  2200)   404040F3   4BF7F5F0   40404040   40F44BF0   F5F84040   4C4C4C40   4C4C4C4C   4C4C4C4C   4C4C4C4C   40404040
(  2240)   40F7F840   40F140F1   F7F4F540   40F14BF7   F4F94040   4C4C40F0   4BF4F8F2   4C4C4C4C   4C F14BF4   F1F14C4C
(  2280)   404040F3   4BF7F5F3   40404040   40F44BF0   F3F94040   4C4C4040   40404040   40404040   40404040   4C4C4040
(  2320)   40F7F840   40F140F1   F7F4F540   40F14BF8   F1F24040   4C4C40F0   4BF5F6F7   40404040   40F14BF3   F9F24040
(  2360)   404040F3   4BF7F4F2   40404040   40F44BF0   F3F24040   4C4C4C40   4C4C4C4C   4C4C4C4C   4C4C4C4C   4C4C4C4C

FILE      14  RECORD      161  LENGTH      160BYTES
(     0)   40F7F840   40F140F1   F7F4F940   F5F94BF8   F6F04040   4C4C40F1   4BF5F2F1   40404040   40F14BF0   F0F94040
(    40)   404040F2   4BF8F5F7   40404040   40F34BF3   F9F04040   4C4C4C40   4C4C4C4C   4C4C4C4C   4C4C4C4C   4C4C4040
(    80)   40F7F840   40F140F1   F7F4F940   F5F94BF9   F2F24040   4C4C40F1   4BF4F5F2   4C4C4C4C   4C F14BF7   F7F94C4C
(   120)   404040F2   4BF8F5F7   40404040   40F34BF3   F7F84040   4C4C4040   40404040   40404040   40404040   4C4C4040

          FILE    INPUT     DATA RECORDS      MAX.            READ ERROR SUMMARY              INPUT RETRIES
                  RECS.       INPUT           SIZE        PERM   ZERO B    SHORT   UNDEF.   #RECS.   TOTAL#
            14      161       162             2400          0        3        3       5        3        3

EOJ          DUMP STOPPED AFTER FILE   14          # OF PERMANENT READ ERRORS  0

START TIME 08/07/79  17:06:09          STOP TIME 08/07/79  17:08:21
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$ $

ISEE-1 & 2

4 SECOND AVERAGED MAGNETOMETER DATA

77-102A-04E SPMS-00307
77-102B-04B SPMS-00476

This data set has been restored. There were originally three 9-track, 1600 BPI tapes written in Binary. One of these tapes contained both ISEE 1 & 2 data. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tapes were created on a IBM 360 computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03832	DS03832	D34022	1-16	11/07/77 - 01/01/78
		D33383	17-19	12/01/77 - 12/12/77
		D35058 *	20-35	11/03/77 - 01/07/79

* ISEE-1 & 2 (77-102A-04E,77-102B-04B)

REQ.AGENT	RAND NO.	ACQ. AGENT
VJP	RD1883	

ISEE-1 & 2

4 SECOND AVG MAG DATA

77-102A-04E
77-102B-04B

The data set catalog consists of 3 data tapes. The D-33383 tape is 9 track, 1600 BPI, binary with 3 files of data. The tapes D-34022 and D-35058 are 9 track, 1600 BPI, EBCDIC with 16 files of data. The tapes were created on an IBM 360/91 computer.

Time span is as follows:

77-102A-04E & 77-102B-04B

D#	C#	FILES	TIME SPAN
D-35058	C-20679	16	11/03/77 - 01/07/79

77-102B-04B

D-33383	C-20406	3	12/01/77 - 12/12/77
D-34022	C-20634	16	11/07/77 - 01/01/78

THIS TAPE CONTAINS ISEE-2 MAGNETOMETER 4 SECOND-AVERAGE FIELD VALUES
IN S/C COORDINATES FOR THE PERIOD 00:00 HRS. DEC. 1, 1977 TO 23:59 HRS.
DEC. 12, 1977.

>>>>>>>>>>>>>>>>>>>>>>>>>>>> TAPE <<<<<<<<<<<<<<<<<<<<<<<<<<<<

THE TAPE IS A 9-TRACK, 1600 BPI, ODD PARITY, UNLABELLED TAPE CREATED
BY IBM 360/91 COMPUTER.

THE RECORD FORMAT IS FIXED AND THE BLOCK SIZE IS 4800 (IBM 8-BIT)
BYTES.

EACH 4800 BYTE LONG PHYSICAL RECORD CONTAINS 100 LOGICAL RECORDS.

THERE ARE 3 FILES ON THE TAPE.
   FILE 1: DEC. 1, 1977, 00:00 HOURS TO DEC. 4, 00:34 HOURS;
           61912 LOGICAL RECORDS.
   FILE 2: DEC. 4, 1977, 00:35 HOURS TO DEC 11, 00:05 HOURS;
           137000 LOGICAL RECORDS.
   FILE 3: DEC.11, 1977, 00:05 HOURS TO DEC 12, 23:59 HOURS;
           40280 LOGICAL RECORDS.

>>>>>>>>>>>>>>>>>>>> LOGICAL RECORDS <<<<<<<<<<<<<<<<<<<<

EACH LOGICAL RECORD IS 48 BYTE LONG OR CONTAINS 12 (4-BYTE) REAL WORDS

MISSING DATA ARE ASSIGNED THE VALUE 1.0E+34 .

OFF				
000	YEAR	DAY OF YEAR	MONTH	DAY OF MONTH
004	HOUR	MINUTE	SECOND	MILLISECOND
008	BX	BY	BZ	BT

##	DESCRIPTION (4 SECOND RECORD)	
1	YEAR -	E.G., 77 (1977)
2	DAY OF YEAR -	E.G., 1. (JANUARY 1-ST)
3	MONTH -	E.G., 1. (JANUARY)
4	DAY OF MONTH -	E.G., 1. (1-ST)
5	HOUR -	E.G., 23.
6	MINUTE -	E.G., 57.
7	SECOND -	E.G., 30.
8	MILLISECOND -	E.G., 650.
9	BX - 4 SECOND AVERAGE OF BX IN GAMMAS.	
10	BY - 4 SECOND AVERAGE OF BY IN GAMMAS.	
11	BZ - 4 SECOND AVERAGE OF BZ IN GAMMAS.	
12	BT - TOTAL FIELD. SQRT(BX*BX+BY*BY+BZ*BZ).	

ALL DATA ARE IN SPACECRAFT COORDINATES.

77-102A-04E

CDAW Tape Documentation Form

Data Set Description

1. Data Set Name: SSC376
2. Scientific Contact: *(See Note A)* C.T. Russell (213) 825-3188
3. Programmer Contact: *(See Note A)* B.K. Fleming (213) 825-3188

Tape Description

1. Number of tapes submitted: 1
2. Number of files per tape: 16
3. Tape density: 1600BPI
4. Number of end of file marks: 17 (two at end)
5. Number of tracks per tape: 9
6. Recording parity: odd
7. Make and model of computer used: IBM 3033
8. Are tapes written in binary, coded, or both (e.g. BCD)?: EBCDIC
9. What floating point representation is used (e.g. CDC 64 bit)?: ~~IBM 32 bit real word~~
10. What integer representation is used: ~~IBM 32 bit integer word~~
11. Number of physical records per file: 2 30 physical blocks
12. Are original tapes to be returned?: send replacement tape
13. Start and stop time of each file: see attached

Logical and Physical Record Format

Please attach. *(See Note B)*

For IMS/SSC use only

Date Rcvd:
Programmer ID:
Tape #:
Data Base:

CDAW #:
CON #:
Date Loaded:

SSC376

Tape description

Physical Record Format

unlabelled
9 trk
1600 BPI
Fixed block, record length = 80, blocksize = 2400

data format: (2I3, 1X, 2I2, F7.3, 4F10.3)
flagged data: value = 9999.99

Logical Record Format

Parameter	Description	Type	Format
YR	Year	IBM 32 bit integer word	I3
DAY	Julian day	"	I3
HR	Hour	"	I2
MIN	Minute	"	I2
SEC	Second	IBM 32 bit real word	F7.3
BX	X-component of magnetic field in spacecraft coord	"	F10.3
BY	y-comp. "	"	F10.3
BZ	z-comp. "	"	F10.3
BT	total "	"	F10.3

"spacecraft coord" are <u>despun</u> spacecraft coord., i.e., approximate solar ecliptic coordinates.

SSC376 File contents

File	Start and Stop times (UT)			Spacecraft	Δt = 4 secs all files	
					CASE	
1	77 307	11/3/77	0720-0810	ISEE-A	1	c
2	77 307	11/3/77	0720-0810	ISEE-B	1	c
3	77 309	11/5/77	1640-1740	ISEE-A	2	c
4	77 309	11/5/77	1640-1740	ISEE-B	2	c
5	77 310	11/6/77	0445-0610	ISEE-A	3	c
6	77 310	11/6/77	0445-0610	ISEE-B	3	c
7	77 312	11/8/77	0200-0310	ISEE-A	4	c
8	77 312	11/8/77	0200-0310	ISEE-B	4	c
9	77 314	11/10/77	1420-1530	ISEE-A	5	c
10	77 314	11/10/77	1420-1530	ISEE-B	5	c
11	77 324	11/20/77	0050-0225	ISEE-A	6	c
12	77 324	11/20/77	0050-0225	ISEE-B	6	c
13	78 251	9/8/78	0015-0115	ISEE-A	7	c
(14)	78 251	9/8/78	0015-0115	ISEE-B	* 7	c
15	79 007	1/7/79	1045-1445	ISEE-A	8	c
16	79 007	1/7/79	1045-1445	ISEE-B	8	c

* data from 0015-0058 has wrong spin period (used to de-spin the component), will send good file of this data on next tape I send to you

This file has been replaced; replacement is in file 14.

DUMP OF TAPE X-212

INPUT TAPE X-212 ON MS2
DATA INPUT H9 NF 16 FL 1 1 1 SR 16 1 1 SR 16 LAST 1 ✓

EBCDIC

FILE 1 RECORD 1 LENGTH 240 BYTES

(0)	40F7F7F3	F0F74040	F7F2F040	40F04BF0	40404040	4C4C40F7	4BF4F8F3	40404040	F1F64BF5	F2F94040
(40)	404040F1	4BF8F8F1	40404040	F1F84BF2	F4F14040	4C4C4040	40404040	40404040	40404040	40404040
(80)	40F7F7F3	F0F74040	F7F2F040	40F44BF0	F0F04040	4C4C40F7	4BF7F8F5	40404040	F1F74BF8	F9F44040
(120)	404040F3	4BF8F6F4	40404040	F1F94BF8	F9F34040	4C4C4040	40404040	40404040	40404040	40404040
(160)	40F7F7F3	F0F74040	F7F2F040	40F84BF0	F0F04040	4C4C40F8	4BF0F9F3	40404040	F1F84BF8	F7F04040
(200)	404040F5	4BF4F3F3	40404040	F2F14BF2	F3F94040	4C4C4040	40404040	40404040	40404040	40404040
(240)	40F7F7F3	F0F74040	F7F2F040	F1F24BF0	F0F04040	4C4C40F7	4BF9F9F7	40404040	F1F94BF4	F1F54040
(280)	404040F6	4BF2F6F7	40404040	F2F14BF9	F1F34040	4C4C4040	40404040	40404040	40404040	40404040
(320)	40F7F7F3	F0F74040	F7F2F040	F1F64BF0	F0F04040	4C4C40F8	4BF4F1F0	40404040	F2F04BF2	F2F64040
(360)	404040F7	4BF1F1F3	40404040	F2F34BF0	F3F04040	4C4C4040	40404040	40404040	40404040	40404040
(400)	40F7F7F3	F0F74040	F7F2F040	F2F04BF0	F0F04040	4C4C40F8	4BF7F7F4	40404040	F2F04BF8	F6F94040
(440)	404040F6	4BF7F1F2	40404040	F2F34BF6	F1F34040	4C4C4040	40404040	40404040	40404040	40404040
(480)	40F7F7F3	F0F74040	F7F2F040	F2F44BF0	F0F04040	4C4C40F9	4BF1F3F2	40404040	F2F24BF0	F9F14040
(520)	404040F6	4BF3F3F2	40404040	F2F44BF7	F2F94040	4C4C4040	40404040	40404040	40404040	40404040
(560)	40F7F7F3	F0F74040	F7F2F040	F2F34BF0	F0F04040	4C4C40F8	4BF2F6F0	40404040	F2F34BF1	F0F04040
(600)	404040F5	4BF9F4F0	40404040	F2F54BF2	F4F14040	4C4C4040	40404040	40404040	40404040	40404040
(640)	40F7F7F3	F0F74040	F7F2F040	F3F24BF0	F0F04040	4C4C40F6	4BF5F6F8	40404040	F2F34BF3	F4F94040
(680)	404040F5	4BF5F7F9	40404040	F2F44BF8	F8F84040	4C4C4F40	40404040	40404040	40404040	40404040
(720)	40F7F7F3	F0F74040	F7F2F040	F3F64BF0	F0F04040	4C4C40F5	4BF7F2F9	40404040	F2F24BF3	F5F14040
(760)	404040F5	4BF3F1F6	40404040	F2F34BF6	F7F84040	4C4C4040	40404040	40404040	40404040	40404040
(800)	40F7F7F3	F0F74040	F7F2F040	F4F04BF0	F0F04040	4C4C40F6	4BF5F1F8	40404040	F2F24BF4	F4F04040
(840)	404040F4	4BF8F5F0	40404040	F2F34BF8	F6F64040	4C4C4040	40404040	40404040	40404040	40404040
(880)	40F7F7F3	F0F74040	F7F2F040	F4F44BF0	F0F04040	4C4C40F7	4BF5F8F0	40404040	F2F34BF1	F9F24040
(920)	404040F4	4BF8F0F3	40404040	F2F44BF8	F6F84040	4C4C4040	40404040	40404040	40404040	40404040
(960)	40F7F7F3	F0F74040	F7F2F040	F4F84BF0	F0F04040	4C4C40F6	4BF9F5F5	40404040	F2F44BF0	F0F14040
(1000)	404040F3	4BF8F0F3	40404040	F2F54BF2	F7F64040	4C4C4040	40404040	40404040	40404040	40404040
(1040)	40F7F7F3	F0F74040	F7F2F040	F5F24BF0	F0F04040	4C4C40F4	4BF6F2F0	40404040	F1F84BF9	F5F64040
(1080)	404040F3	4BF2F1F5	40404040	F1F94BF7	F7F44040	4C4C4040	40404040	40404040	40404040	40404040
(1120)	40F7F7F3	F0F74040	F7F2F040	F5F64BF0	F0F04040	4C4C40F4	4BF1F1F6	40404040	F1F44BF6	F9F84040
(1160)	404040F2	4BF7F8F5	40404040	F1F54BF5	F1F64040	4C4C4040	40404040	40404040	40404040	40404040
(1200)	40F7F7F3	F0F74040	F7F2F140	40F04BF0	40404040	4C4C40F4	4BF7F5F8	40404040	F1F34BF3	F9F34040
(1240)	404040F1	4BF0F6F5	40404040	F1F44BF2	F5F34040	4C4C4040	40404040	40404040	40404040	40404040
(1280)	40F7F7F3	F0F74040	F7F2F140	40F44BF0	F0F04040	4C4C40F5	4BF5F9F2	40404040	F1F64BF9	F3F64040
(1320)	404040F1	4BF2F1F2	40404040	F1F74BF8	F7F64040	4C4C4040	40404040	40404040	40404040	40404040
(1360)	40F7F7F3	F0F74040	F7F2F140	40F84BF0	F0F04040	4C4C40F5	4BF8F4F5	40404040	F1F94BF1	F3F74040
(1400)	404060F0	4BF3F4F3	40404040	F2F04BF0	F1F24040	4C4C4040	40404040	40404040	40404040	40404040
(1440)	40F7F7F3	F0F74040	F7F2F140	F1F24BF0	F0F04040	4C4C40F5	4BF5F8F0	40404040	F1F94BF4	F0F74040
(1480)	404040F0	4BF0F0F4	40404040	F2F04BF1	F9F34040	4C4C4040	40404040	40404040	40404040	40404040
(1520)	40F7F7F3	F0F74040	F7F2F140	F1F64BF0	F0F04040	4C4C40F5	4BF4F1F7	40404040	F1F84BF8	F4F04040
(1560)	404060F1	4BF9F4F9	40404040	F1F94BF7	F0F04040	4C4C4040	40404040	40404040	40404040	40404040
(1600)	40F7F7F3	F0F74040	F7F2F140	F2F04BF0	F0F04040	4C4C40F4	4BF5F0F1	40404040	F1F94BF0	F1F74040
(1640)	404060F2	4BF6F8F8	40404040	F1F94BF7	F2F74040	4C4C4040	40404040	40404040	40404040	40404040
(1680)	40F7F7F3	F0F74040	F7F2F140	F2F44BF0	F0F04040	4C4C40F5	4BF3F3F2	40404040	F1F84BF6	F1F74040
(1720)	404060F1	4BF5F4F5	40404040	F1F94BF4	F2F64040	4C4C4040	40404040	40404040	40404040	40404040
(1760)	40F7F7F3	F0F74040	F7F2F140	F2F84BF0	F0F04040	4C4C40F5	4BF1F1F8	40404040	F1F84BF7	F7F14040
(1800)	404060F1	4BF5F5F2	40404040	F1F94BF5	F1F84040	4C4C4040	40404040	40404040	40404040	40404040
(1840)	40F7F7F3	F0F74040	F7F2F140	F3F24BF0	F0F04040	4C4C40F4	4BF9F2F1	40404040	F1F94BF2	F7F44040
(1880)	404060F0	4BF1F3F1	40404040	F1F94BF8	F9F34040	4C4C4040	40404040	40404040	40404040	40404040
(1920)	40F7F7F3	F0F74040	F7F2F140	F3F64BF0	F0F04040	4C4C40F3	4BF0F8F2	40404040	F2F04BF0	F4F54040
(1960)	404040F0	4BF2F6F6	40404040	F2F04BF2	F8F24040	4C4C4040	40404040	40404040	40404040	40404040
(2000)	40F7F7F3	F0F74040	F7F2F140	F4F04BF0	F0F04040	4C4C40F2	4BF0F4F3	40404040	F2F04BF3	F3F64040
(2040)	404040F1	4BF1F8F0	40404040	F2F04BF4	F7F34040	4C4C4040	40404040	40404040	40404040	40404040
(2080)	40F7F7F3	F0F74040	F7F2F140	F4F44BF0	F0F04040	4C4C40F0	4BF8F5F0	40404040	F2F04BF4	F3F54040
(2120)	404040F0	4BF7F0F0	40404040	F2F04BF4	F6F54040	4C4C4040	40404040	40404040	40404040	40404040
(2160)	40F7F7F3	F0F74040	F7F2F140	F4F04BF0	F0F04040	4C4C40F0	4BF5F2F5	40404040	F2F04BF6	F6F74040
(2200)	404060F0	4BF7F8F1	40404040	F2F04BF6	F8F84040	4C4C4040	40404040	40404040	40404040	40404040
(2240)	40F7F7F3	F0F74040	F7F2F140	F5F24BF0	F0F04040	4C4C40F0	4BF9F8F3	40404040	F2F04BF7	F8F24040

(40)	4040F8F8	4BF6F5F4	404040F1	F0F14BF2	F8F34040	4C4C4040	40404040	40404040	40404040	40404040
(80)	40F7F940	40F740F1	F4F3F740	F2F44BF0	F0F04040	4C4CF1F0	4BF4F0F1	40404060	F4F74BF8	F8F14040
(120)	4040F8F8	4BF5F6F4	404040F1	F0F14BF2	F1F54040	4C4C4040	40404040	40404040	40404040	40404040
(160)	40F7F940	40F740F1	F4F3F740	F2F84BF0	F0F04040	4C4CF1F0	4BF4F0F0	40404060	F4F74BF9	F2F14040
(200)	4040F8F8	4BF3F7F7	404040F1	F0F14BF0	F6F94040	4C4C4040	40404040	40404040	40404040	40404040
(240)	40F7F940	40F740F1	F4F3F740	F3F24BF0	F0F04040	4C4CF1F0	4BF3F9F2	40404060	F4F84BF0	F2F24040
(280)	4040F8F8	4BF2F0F6	404040F1	F0F04BF9	F6F84040	4C4C4040	40404040	40404040	40404040	40404040
(320)	40F7F940	40F740F1	F4F3F740	F3F64BF0	F0F04040	4C4CF1F0	4BF2F2F4	40404060	F4F84BF2	F4F64040
(360)	4040F8F8	4BF1F5F9	404040F1	F0F14BF0	F1F64040	4C4C4040	40404040	40404040	40404040	40404040
(400)	40F7F940	40F740F1	F4F3F740	F4F04BF0	F0F04040	4C4CF1F0	4BF0F4F0	40404060	F4F84BF6	F9F74040
(440)	4040F8F8	4BF1F8F5	404040F1	F0F14BF2	F3F64040	4C4C4040	40404040	40404040	40404040	40404040
(480)	40F7F940	40F740F1	F4F3F740	F4F44BF0	F0F04040	4C4C40F9	4BF7F8F4	40404060	F4F94BF0	F6F54040
(520)	4040F8F8	4BF1F2F3	404040F1	F0F14BF3	F3F54040	4C4C4040	40404040	40404040	40404040	40404040
(560)	40F7F940	40F740F1	F4F3F740	F4F84BF0	F0F04040	4C4C40F9	4BF4F2F9	40404060	F4F94BF1	F9F74040
(600)	4040F8F7	4BF9F6F8	404040F1	F0F14BF2	F3F04040	4C4C4040	40404040	40404040	40404040	40404040
(640)	40F7F940	40F740F1	F4F3F740	F5F24BF0	F0F04040	4C4C40F8	4BF9F6F4	40404060	F4F94BF1	F2F24040
(680)	4040F8F7	4BF8F6F0	404040F1	F0F14BF0	F5F84040	4C4C4040	40404040	40404040	40404040	40404040
(720)	40F7F940	40F740F1	F4F3F740	F5F64BF0	F0F04040	4C4C40F8	4BF6F1F5	40404060	F4F84BF8	F1F24040
(760)	4040F8F7	4BF8F5F7	404040F1	F0F04BF8	F7F44040	4C4C4040	40404040	40404040	40404040	40404040
(800)	40F7F940	40F740F1	F4F3F840	40F04BF0	40404040	4C4040F8	4BF3F8F9	40404060	F4F84BF4	F1F84040
(840)	4040F8F8	4BF1F0F0	404040F1	F0F04BF8	F7F74040	4C4C4040	40404040	40404040	40404040	40404040
(880)	40F7F940	40F740F1	F4F3F840	40F44BF0	F0F04040	4C4040F8	4BF3F0F3	40404060	F4F74BF9	F9F74040
(920)	4040F8F8	4BF5F6F8	404040F1	F0F14BF0	F7F94040	4C4C4040	40404040	40404040	40404040	40404040
(960)	40F7F940	40F740F1	F4F3F840	40F84BF0	F0F04040	4C4C40F8	4BF3F6F5	40404060	F4F74BF7	F0F14040
(1000)	4040F8F9	4BF0F6F9	404040F1	F0F14BF3	F8F44040	4C4C4040	40404040	40404040	40404040	40404040
(1040)	40F7F940	40F740F1	F4F3F840	F1F24BF0	F0F04040	4C4C40F8	4BF3F0F4	40404060	F4F74BF6	F2F54040
(1080)	4040F8F9	4BF3F5F0	404040F1	F0F14BF5	F9F04040	4C4C4040	40404040	40404040	40404040	40404040

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
16	108	109	2400	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 16 # OF PERMANENT READ ERRORS 0

START TIME 09/26/79 12:19:47 STOP TIME 09/26/79 12:20:22

$$

D-33383
ISEE 2
12/01/77 - 12/12/77

DUMP OF TAPE X-405

INPUT TAPE X-405 ON MS1
DATA INPUT HONE 3 FL 3 1 1

FILE 1 RECORD 1 LENGTH 4800BYTES

(0)	424D0000	4314F000	41C00000	41100000	00000000	00000000	42130000	42A20000	40F08EC5	41102E7B
(40)	C047E81C	41168A72	424D0000	4314F000	41C00000	41100000	00000000	00000000	42170000	42A20000
(80)	40CA5395	4112F2FA	C030C1B4	4116FBE3	424D0000	4314F000	41C00000	41100000	00000000	00000000
(120)	421B0000	42A20000	40AE04E4	41150A96	C012EE86	4117B732	424D0000	4314F000	41C00000	41100000
(160)	00000000	00000000	421F0000	42A20000	409D4025	411504BC	C01AE5D5	4117437C	424D0000	4314F000
(200)	41C00000	41100000	00000000	00000000	42230000	42A20000	40A134A0	411391FF	C03B9522	41165308
(240)	424B0000	4314F000	41C00000	41100000	00000000	00000000	42270000	42A20000	40ABE2E9	4111FC65
(280)	C059D1D0	4115B068	424D0000	4314F000	41C00000	41100000	00000000	00000000	422B0000	42A20000
(320)	40B3F3E1	4111581A	C063CFDA	4115979F	424D0000	4314F000	41C00000	41100000	00000000	00000000
(360)	422F0000	42A20000	40A696F5	4112D276	C056FD95	41162FBA	424D0000	4314F000	41C00000	41100000
(400)	00000000	00000000	42330000	42A30000	409A256C	4113DC43	C04F7EAB	4116A043	424D0000	4314F000
(440)	41C00000	41100000	00000000	00000000	42370000	42A30000	4088A8BC	41155B8E	C042D616	411760DF
(480)	424D0000	4314F000	41C00000	41100000	00000000	00000000	423B0000	42A30000	40847E7A	411544BD
(520)	C0456363	4117366A	424D0000	4314F000	41C00000	41100000	00000000	41100000	41300000	42A30000
(560)	4088607A	41155B8B	C04F4DEF	411794E9	424D0000	4314F000	41C00000	41100000	00000000	41100000
(600)	41700000	42A30000	4092E091	4114811D	C0595505	4117261C	424D0000	4314F000	41C00000	41100000
(640)	00000000	41100000	41B00000	42A30000	40953592	4113EF61	C06192A5	4116D676	424D0000	4314F000
(680)	41C00000	41100000	00000000	41100000	41F00000	42A30000	4087AD8F	41143947	C0629FAA	4116C789
(720)	424D0000	4314F000	41C00000	41100000	00000000	41100000	42130000	42A30000	40708519	41156D0F
(760)	C05843CA	4117372B	424D0000	4314F000	41C00000	41100000	00000000	41100000	42170000	42A30000
(800)	40571426	4117FD5B	C0502C26	41191ABB	424D0000	4314F000	41C00000	41100000	00000000	41100000
(840)	421B0000	42A30000	4048B1CF	4118701B	C051E8CA	411969A0	424D0000	4314F000	41C00000	41100000
(880)	00000000	41100000	421F0000	42A30000	40491C5D	411871D1	C0557320	41196F5D	424D0000	4314F000
(920)	41C00000	41100000	00000000	41100000	42230000	42A30000	4053848B	4116FC45	C055526E	41182A97
(960)	424D0000	4314F000	41C00000	41100000	00000000	41100000	42270000	42A30000	4051ECBE	4116397E
(1000)	C05173B2	4117E37	424D0000	4314F000	41C00000	41100000	00000000	41100000	422B0000	42A30000
(1040)	406284FA	41155DCC	C0594A45	4116EE49	424D0000	4314F000	41C00000	41100000	00000000	41100000
(1080)	422F0000	42A30000	407CFC8C	4114587F	C055FF15	41167517	424D0000	4314F000	41C00000	41100000
(1120)	00000000	41100000	42330000	42A30000	40A52BEA	4113483D	C04E6F04	41166A11	424D0000	4314F000
(1160)	41C00000	41100000	00000000	41100000	42370000	42A40000	40BB082D	411284B5	C0474762	41165905
(1200)	424D0000	4314F000	41C00000	41100000	00000000	41100000	423B0000	42A40000	40BD02E6	41127F18
(1240)	C04AEACB	41167CE0	424D0000	4314F000	41C00000	41100000	00000000	41200000	41300000	42A40000
(1280)	40AC870C	4113391A	C04A0DC4	41168583	424D0000	4314F000	41C00000	41100000	00000000	41200000
(1320)	41700000	42A40000	40AD31E6	41133053	C04CC7F5	41168C48	424D0000	4314F000	41C00000	41100000
(1360)	00000000	41200000	41B00000	42A40000	40AE2239	41134FBE	C048378F	41169F39	424D0000	4314F000
(1400)	41C00000	41100000	00000000	41200000	41F00000	42A40000	40B1AF6F	4112EC3D	C04BC5F2	41167235
(1440)	424D0000	4314F000	41C00000	41100000	00000000	41200000	42130000	42A40000	40A9FEB6	4112932C
(1480)	C052632C	4116D278	424D0000	4314F000	41C00000	41100000	00000000	41200000	42170000	42A40000
(1520)	40AA435E	4111E50F	C0582B1A	41158964	424D0000	4314F000	41C00000	41100000	00000000	41200000
(1560)	421B0000	42A50000	40B5792B	4110C3A2	C0643DEA	41153022	424D0000	4314F000	41C00000	41100000
(1600)	00000000	41200000	421F0000	42A50000	40B88641	411C44E8	C06085C5	4114D5AD	424D0000	4314F000
(1640)	41C00000	41100000	00000000	41200000	42230000	42A50000	40AF8549	40FF7403	C0601765	411447ED
(1680)	424D0000	4314F000	41C00000	41100000	00000000	41200000	42270000	42A50000	40A40C9A	411094FE
(1720)	C058540A	4114432F	424D0000	4314F000	41C00000	41100000	00000000	41200000	422B0000	42A50000
(1760)	40A7D92D	41111ED9	C05C3F11	4114B220	424D0000	4314F000	41C00000	41100000	00000000	41200000
(1800)	422F0000	42A50000	40A91A73	41118C72	C058D0F0	4115396A	424D0000	4314F000	41C00000	41100000
(1840)	00000000	41200000	42330000	42A50000	409E7E01	41116455	C06A5355	411516E4	424D0000	4314F000
(1880)	41C00000	41100000	00000000	41200000	42370000	42A50000	409A31AA	4111528B	C078CAF5	41153632
(1920)	424D0000	4314F000	41C00000	41100000	00000000	41200000	423B0000	42A60000	40A5BDD8	4110583A
(1960)	C0746C95	4114AC75	424D0000	4314F000	41C00000	41100000	00000000	41300000	41300000	42A60000
(2000)	40BF90D4	40F3A65E	C0615205	41144DC2	424D0000	4314F000	41C00000	41100000	00000000	41300000
(2040)	417C0000	42A60000	40D2B739	40E09332	C055BCAA	4113FAA4	424D0000	4314F000	41C00000	41100000
(2080)	00000000	41300000	41B00000	42A60000	40DE50E3	40E0807D	C04A3148	411448BB	424D0000	4314F000
(2120)	41C00000	41100000	00000000	41300000	41F00000	42A60000	40E7020F	40E31D25	C0425DBB	4114AAE5
(2160)	424D0000	4314F000	41C00000	41100000	00000000	41300000	42130000	42A60000	40ED96CE	40E184A9
(2200)	C03A39B8	4114CB64	424D0000	4314F000	41C00000	41100000	00000000	41300000	42170000	42A60000
(2240)	40F12857	40E1407A	C0309BE1	4114D8DD	424D0000	4314F000	41C00000	41100000	00000000	41300000

(2760)	41F[illegible]	433AA000	C17E582E	41679A2A	C1CA6E4A	421C424B	424D0000	43159000	41C00000	41B00000
(2800)	00000000	41900000	42130000	433AA000	C17CD466	4161ABCF	C1CF1240	42104C4F	424D0000	43159000
(2840)	41C00000	41B00000	00000000	41900000	42170000	433AA000	C17A6D8D	416A593E	C1D6246A	4210C9E2
(2880)	424D0000	43159000	41C00000	41B00000	00000000	41900000	421B0000	433AA000	C17F6C7D	4177CF6C
(2920)	C1D58715	42114045	424D0000	43159000	41C00000	41B00000	00000000	41900000	421F0000	433AA000
(2960)	C188612C	417EA403	C1DDDA15	42117BE5	424D0000	43159000	41C00000	41B00000	00000000	41900000
(3000)	42230000	433AA000	C18B5608	4185E639	C1CC594A	4211ABFC	424D0000	43159000	41C00000	41B00000
(3040)	00000000	41900000	42270000	433AA000	C18E460C	41884E86	C1C9AADA	42119F10	424D0000	43159000
(3080)	41C00000	41B00000	00000000	41900000	422B0000	433AB000	C18B51B4	4188A35B	C1C1F2E5	42113210
(3120)	424D0000	43159000	41C00000	41B00000	00000000	41900000	422F0000	433AB000	C1807F49	4183D0F0
(3160)	C1BC9483	42107886	424D0000	43159000	41C00000	41B00000	00000000	41900000	42330000	433AB000
(3200)	C17E883B	41874416	C1B40EB5	42102680	424D0000	43159000	41C00000	41B00000	00000000	41900000
(3240)	42370000	433AB000	C17AB9DF	4187265E	C1BC33E0	42106328	424D0000	43159000	41C00000	41B00000
(3280)	00000000	41900000	423B0000	433AB000	C181586E	418A0766	C1B6824A	42106DA6	424D0000	43159000
(3320)	41C00000	41B00000	00000000	41A00000	41300000	433AB000	C18790CB	418E0292	C1AE38AA	421067BF
(3360)	424D0000	43159000	41C00000	41B00000	00000000	41A00000	41700000	433AB000	C19B817E	418C11AF
(3400)	C192C8C6	41FFA172	424D0000	43159000	41C00000	41B00000	00000000	41A00000	41B00000	433AB000
(3440)	C1A092C	418156D6	C17FF960	41F2511F	424D0000	43159000	41C00000	41B00000	00000000	41A00000
(3480)	41F80000	433AB000	C1966F02	417AC89D	C1754495	41E2702B	424D0000	43159000	41C00000	41B00000
(3520)	00000000	41A00000	42130000	433AB000	C18BDEAF	418653A8	C1698985	41DCC893	424D0000	43159000
(3560)	41C00000	41B00000	00000000	41A00000	42170000	433AB000	C18D5E3C	41790FBC	C16703F0	41D4BA3C
(3600)	424D0000	43159000	41C00000	41B00000	00000000	41A00000	421B0000	433AB000	C18A9008	415E308D
(3640)	C1770B6A	41CD87E1	424D0000	43159000	41C00000	41B00000	00000000	41A00000	421F0000	433AB000
(3680)	C17FF472	415D5A86	C18A4DFA	41D2465B	424D0000	43159000	41C00000	41B00000	00000000	41A00000
(3720)	42230000	433AB000	C16D5F66	4185D024	C1812EA5	41D74429	424D0000	43159000	41C00000	41B00000
(3760)	00000000	41A00000	42270000	433AB000	C16209F1	41B00458	C1694855	41E353F4	424D0000	43159000
(3800)	41C00000	41B00000	00000000	41A00000	422B0000	433AB000	C1732399	41A26869	C1462C50	41D3162E
(3840)	424D0000	43159000	41C00000	41B00000	00000000	41A00000	422F0000	433AC000	C18F9F18	41815199
(3880)	C14DFE33	41D0680C	424D0000	43159000	41C00000	41B00000	00000000	41A00000	42330000	433AC000
(3920)	C1AA6DE0	416BF115	C14C0F33	41D7A824	424D0000	43159000	41C00000	41B00000	00000000	41A00000
(3960)	42370000	433AC000	C19631AB	417548F9	C168B8EA	41DAD57F	424D0000	43159000	41C00000	41B00000
(4000)	00000000	41A00000	423B0000	433AC000	C18ACAF4	418B8D4F	C154DE09	41D65673	424D0000	43159000
(4040)	41C00000	41B00000	00000000	41B00000	41300000	433AC000	C18A10A1	4183D642	C15A36C0	41D324A8
(4080)	424D0000	43159000	41C00000	41B00000	00000000	41B00000	41700000	433AC000	C18EC063	41802E59
(4120)	C1560D2A	41D6EBBF	424D0000	43159000	41C00000	41B00000	00000000	41B00000	41B00000	433AC000
(4160)	C18D3E60	417B16F1	C16C4355	41D8621A	424D0000	43159000	41C00000	41B00000	00000000	41B00000
(4200)	41F00000	433AC000	C187FC62	41878289	C1553F2E	41D20D79	424D0000	43159000	41C00000	41B00000
(4240)	00000000	41B00000	42130000	433AD000	C199A6D1	4179F694	C136879D	41CB9C59	424D0000	43159000
(4280)	41C00000	41B00000	00000000	41B00000	42170000	433AD000	C1A485B3	416EF799	C1412E09	41D0E091
(4320)	424D0000	43159000	41C00000	41B00000	00000000	41B00000	421B0000	433AD000	C1A3A748	41731BC1
(4360)	C15BDDB0	41DC29BA	424D0000	43159000	41C00000	41B00000	00000000	41B00000	421F0000	433AD000
(4400)	C1940C5B	4184C99F	C177CBE5	41E82B07	424D0000	43159000	41C00000	41B00000	00000000	41B00000
(4440)	42230000	433AD000	C18799D2	4192EDD5	C177A830	41E9027C	424D0000	43159000	41C00000	41B00000
(4480)	00000000	41B00000	42270000	433AD000	C17C0A47	41880AEC	C17F44D0	41DFCF5B	424D0000	43159000
(4520)	41C00000	41B00000	00000000	41B00000	422B0000	433AD000	C169BE27	417CDB94	C1885560	41D4F946
(4560)	424D0000	43159000	41C00000	41B00000	00000000	41B00000	422F0000	433AD000	C1620774	41712A96
(4600)	C18F18C3	41CF1B31	424D0000	43159000	41C00000	41B00000	00000000	41B00000	42330000	433AE000
(4640)	C1639F2F	4179D7B6	C1935AEA	41D799C7	424D0000	43159000	41C00000	41B00000	00000000	41B00000
(4680)	42370000	433AE000	C1713908	4177EF7E	C19A27A5	41E1C299	424D0000	43159000	41C00000	41B00000
(4720)	00000000	41B00000	423B0000	433AE000	C16F96D3	416A94B7	C1A92E35	41E4FBE6	424D0000	43159000
(4760)	41C00000	41B00000	00000000	41C00000	41300000	433AE000	C16C25F9	41600008	C1AC958A	41E12927

FILE 3 RECORD 404 LENGTH 2880BYTES

(0)	424D0000	4315A000	41C00000	41C00000	42170000	42370000	421C0000	43122000	C12E9999	41B6D6C7
(40)	4111E95F	41BD8841	424D0000	4315A000	41C00000	41C00000	42170000	42370000	42200000	43122000
(80)	C13143E8	41B63D[illegible]	40D40624	41BF2BD1	424D0000	4315A000	41C00000	41C00000	42170000	42370000
(120)	42240000	43122000	C12BE6DE	41B7F8A9	40B82DE0	41BD5642	424D0000	4315A000	41C00000	41C00000
(160)	42170000	42370000	42280000	43122000	C12AE9D1	41B3349A	C0100338	41B84651	424D0000	4315A000
(200)	41C00000	41C00000	42170000	42370000	422C0000	43123000	C12F6F40	41B1AE7E	C06936BC	41B80596
(240)	424D0000	4315A000	41C00000	41C00000	42170000	42370000	42300000	43123000	C12DE5D6	41B3327B
(280)	C0F6D3E1	41B99FB5	424D0000	4315A000	41C00000	41C00000	42170000	42370000	42340000	43123000
(320)	C1264F00	41B7468C	C11698E1	41BC9824	424D0000	4315A000	41C00000	41C00000	42170000	42370000
(360)	42380000	43123000	C1140FD7	41BD2360	C112D815	41BF2161	424D0000	4315A000	41C00000	41C00000
(400)	42170000	42360000	00000000	43123000	C1102EB3	41BEA942	C057822E	41BF6CC0	424D0000	4315A000

ISEE 1 & 2

.25 SEC MAGNETIC FIELD DATA

77-102A-04O SPMS-00185

77-102B-04L

THESE DATA SETS HAVE BEEN RESTORED. THERE WAS ORIGINALLY ONE 9-TRACK, 1600 BPI TAPE, WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 360 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
DR006161	DS006161	D062496	2	03/22/79 - 03/22/79

REQ. AGENT
RSH

RAND NO.

ACQ. AGENT
HKH

ISEE 1&2

77-102A-04O
77-102B-04L

25 SEC. MAGNETIC FIELD DATA

Both of these data sets share the same tape. The tape is binary, 9 TRK, 1600 BPI, and contains two files of data. This tape is also unlabeled and was created on an HEWLETT PACKARD 1000. File 1 consists of ISEE-1 data and file 2 consists of ISEE-2 data, both files cover the same time span. The D and C numbers along with there corresponding time span are as follows:

D#	C#	TIME SPAN
D-62496	C-23938	03/22/79

** NOTE THE TIME SPAN FOR THIS TAPE IS APPROXIMATELY 3 HOURS.

Date April 9, 1984

NSSDC ID _____

CDAW DATA SET ENTRY

Date Rcvd : Apr. 5, 1984 CDB: 6 (A)

Data Sent By : Dr. Robert Manka (C. Russell Date)

Material Rcvd : 1 mag tape

6 pages printout

satellite / NSDF Name: ISEE 1 & 2

Data Set Name : .25-s magnetic field ~~Magnetometer~~

☒ ← NSSDC New Data Set ☒ ← CDAW Additions ☐ Replacements

Comments _____

Time Coverage : 79/081/10a - 79/081/12/59/45

Tapes To be Returned to: _____

Completed By: Ellen Stevens

From the desk of ROBERT H. MANKA 4/4/84

Ellen -

This is raw, High Time Resolution data from ISEE-1, 2 magnetic field. This is from McPherron to Fairfield to me.

I would like to try to load and read 10:45 - 11:00 UT 22 Mar. In particular I would do plot 1057 - 1104 UT 22 Mar. Can we try to load and if it works well, add to CDR-6.

Bob

ASSOCIATESHIP OFFICE
NATIONAL RESEARCH COUNCIL
JH 612

P.S. We need a Xerox of the Sharmonstat.

Russell ISEE 1-2 detail tape

344 5472

SSC652 IS A 9-TRACK, 1600-BPI, UNLABELED TAPE.

82 230 AUG 18 15:05:55.310
-- IGPP, UCLA --

10/19/82

THE TAPE WAS MADE ON HEWLETT-PACKARD 1000.

A RECORD (BLOCK) CONTAINS 60 LOGICAL RECORDS.
EACH LOGICAL RECORD CONTAINS 12 32-BIT INTEGER WORDS.

WORD	1	...YEAR, E.G., 77	
WORD	2	...DAY OF YEAR, E.G., 234 (JAN 1 = 1)	
WORD	3	...MONTH OF YEAR, E.G., 8	
WORD	4	...DAY OF MONTH, E.G., 22	
WORD	5	...HOUR OF DAY, E.G., 13	
WORD	6	...MINUTE OF HOUR, E.G., 56	
WORD	7	...SECOND OF MINUTE, E.G., 59	
WORD	8	...MILLISECOND, E.G., 678	
WORD	9	...MAG. FIELD COMPONENT BX IN MILLIGAMMAS	(GSM COORDINATES)
WORD	10	...MAG. FIELD COMPONENT BY IN MILLIGAMMAS	(GSM COORDINATES)
WORD	11	...MAG. FIELD COMPONENT BZ IN MILLIGAMMAS	(GSM COORDINATES)
WORD	12	...MAG. FIELD MAGNITUDE BT IN MILLIGAMMAS	

MISSING DATA ARE FILLED WITH -9999999 .

TAPE WRITTEN BY FORTRAN FORMAT: (12A4) .

THE FOLLOWING IS THE PARTIAL DUMP OF THIS TAPE
PRINTED BY FORTRAN FORMAT: (1X,8I4,4I8).

when spacing is .0625 sec
⇒ 16 measurements/sec = 960/min
= 57600/hr
12 words/record
could be 6 words?

Mar 22 1979

FILE 1

>>>>>>> BLOCK # 1 <<<<<<<<

	Jan	Mar	22	hr	min	sec	msec	B_x	B_y	B_z	$\|B\|$
79	81	3	22	10	0	0	210	-13579	-3559	8430	16374
79	81	3	22	10	0	0	460	-13624	-3519	8434	16405
79	81	3	22	10	0	0	710	-13659	-3584	8381	16422
79	81	3	22	10	0	0	960	-13679	-3654	8366	16446
79	81	3	22	10	0	1	210	-13649	-3672	8382	16433
79	81	3	22	10	0	1	460	-13623	-3611	8407	16411
79	81	3	22	10	0	1	710	-13629	-3584	8391	16401
79	81	3	22	10	0	1	960	-13640	-3555	8379	16398
79	81	3	22	10	0	2	210	-13663	-3543	8364	16408
79	81	3	22	10	0	2	460	-13687	-3533	8364	16425
79	81	3	22	10	0	2	710	-13705	-3557	8366	16447
79	81	3	22	10	0	2	960	-13685	-3564	8345	16420
79	81	3	22	10	0	3	210	-13676	-3565	8340	16410
79	81	3	22	10	0	3	460	-13691	-3587	8350	16433
79	81	3	22	10	0	3	710	-13736	-3641	8355	16484
79	81	3	22	10	0	3	960	-13789	-3721	8377	16551
79	81	3	22	10	0	4	210	-13783	-3739	8392	16564
79	81	3	22	10	0	4	460	-13744	-3700	8417	16536
79	81	3	22	10	0	4	710	-13707	-3667	8426	16502
79	81	3	22	10	0	4	960	-13724	-3622	8422	16505
79	81	3	22	10	0	5	210	-13762	-3611	8408	16527
79	81	3	22	10	0	5	460	-13788	-3609	8389	16539
79	81	3	22	10	0	5	710	-13807	-3624	8375	16550
79	81	3	22	10	0	5	960	-13802	-3658	8366	16549
79	81	3	22	10	0	6	210	-13803	-3653	8367	16549
79	81	3	22	10	0	6	460	-13835	-3696	8378	16572
79	81	3	22	10	0	6	710	-13902	-3695	8368	16622
79	81	3	22	10	0	6	960	-13943	-3673	8320	16647
79	81	3	22	10	0	7	210	-13900	-3714	8303	16612
79	81	3	22	10	0	7	460	-13870	-3704	8311	16588
79	81	3	22	10	0	7	710	-13830	-3658	8318	16549
79	81	3	22	10	0	7	960	-13810	-3606	8308	16515
79	81	3	22	10	0	8	210	-13797	-3587	8300	16496
79	81	3	22	10	0	8	460	-13850	-3592	8308	16545
79	81	3	22	10	0	8	710	-13868	-3632	8325	16578
79	81	3	22	10	0	8	960	-13860	-3647	8347	16585
79	81	3	22	10	0	9	210	-13858	-3638	8385	16601
79	81	3	22	10	0	9	460	-13860	-3622	8403	16609
79	81	3	22	10	0	9	710	-13903	-3638	8374	16633
79	81	3	22	10	0	9	960	-13949	-3705	8337	16668
79	81	3	22	10	0	10	210	-13927	-3783	8307	16652
79	81	3	22	10	0	10	460	-13853	-3763	8319	16591
79	81	3	22	10	0	10	710	-13837	-3700	8332	16571
79	81	3	22	10	0	10	960	-13856	-3674	8324	16577
79	81	3	22	10	0	11	210	-13871	-3668	8319	16585
79	81	3	22	10	0	11	460	-13898	-3660	8305	16599
79	81	3	22	10	0	11	710	-13907	-3680	8314	16615
79	81	3	22	10	0	11	960	-13924	-3680	8339	16642
79	81	3	22	10	0	12	210	-13930	-3664	8326	16637
79	81	3	22	10	0	12	460	-13958	-3649	8330	16660
79	81	3	22	10	0	12	710	-14005	-3675	8332	16706
79	81	3	22	10	0	12	960	-14056	-3707	8322	16751
79	81	3	22	10	0	13	210	-14049	-3764	8316	16755
79	81	3	22	10	0	13	460	-14013	-3773	8286	16712
79	81	3	22	10	0	13	710	-13994	-3777	8288	16697
79	81	3	22	10	0	13	960	-13984	-3753	8318	16698
79	81	3	22	10	0	14	210	-14004	-3708	8345	16719
79	81	3	22	10	0	14	460	-14036	-3684	8356	16745

79	81	[redacted]	22	10	0	14	710	-14060	-3686	8364	167[redacted]
79	81	3	22	10	0	14	960	-14071	-3702	8361	16782

>>>>>>> BLOCK # 1306 (THE LAST BLOCK)

79	81	3	22	12	56	37	790	-38058	-24881	15653	48089
79	81	3	22	12	56	37	853	-38057	-24886	15638	48086
79	81	3	22	12	56	37	915	-38031	-24891	15592	48052
79	81	3	22	12	56	37	978	-38045	-24916	15588	48075
79	81	3	22	12	56	38	40	-38052	-24931	15589	48089
79	81	3	22	12	56	38	103	-38056	-24927	15559	48080
79	81	3	22	12	56	38	165	-38050	-24934	15558	48079
79	81	3	22	12	56	38	228	-38054	-24950	15545	48086
79	81	3	22	12	56	38	290	-38079	-24974	15506	48106
79	81	3	22	12	56	38	353	-38078	-24995	15490	48111
79	81	3	22	12	56	38	415	-38023	-24995	15522	48078
79	81	3	22	12	56	38	478	-37986	-24998	15534	48054
79	81	3	22	12	56	38	540	-37983	-25018	15507	48053
79	81	3	22	12	56	38	603	-37972	-24989	15488	48023
79	81	3	22	12	56	38	665	-37980	-24973	15459	48012
79	81	3	22	12	56	38	728	-37958	-24962	15444	47984
79	81	3	22	12	56	38	790	-37966	-24913	15426	47959
79	81	3	22	12	56	38	853	-37970	-24910	15410	47955
79	81	3	22	12	56	38	915	-37979	-24925	15412	47971
79	81	3	22	12	56	38	978	-37993	-24937	15412	47988
79	81	3	22	12	56	39	40	-37974	-24918	15414	47964
79	81	3	22	12	56	39	103	-38003	-24921	15437	47996
79	81	3	22	12	56	39	165	-38050	-24923	15464	48043
79	81	3	22	12	56	39	228	-38059	-24906	15457	48032
79	81	3	22	12	56	39	290	-38059	-24910	15446	48037
79	81	3	22	12	56	39	353	-38072	-24907	15448	48047
79	81	3	22	12	56	39	415	-38098	-24891	15421	48051
79	81	3	22	12	56	39	478	-38103	-24917	15400	48061
79	81	3	22	12	56	39	540	-38103	-24940	15395	48071
79	81	3	22	12	56	39	603	-38143	-24974	15397	48122
79	81	3	22	12	56	39	665	-38205	-25005	15409	48190
79	81	3	22	12	56	39	728	-38197	-25009	15401	48184
79	81	3	22	12	56	39	790	-38178	-25009	15377	48161
79	81	3	22	12	56	39	853	-38205	-25028	15391	48197
79	81	3	22	12	56	39	915	-38209	-25032	15414	48203
79	81	3	22	12	56	39	978	-38178	-25050	15411	48194
79	81	3	22	12	56	40	40	-38140	-25062	15386	48161
79	81	3	22	12	56	40	103	-38122	-25048	15381	48138
79	81	3	22	12	56	40	165	-38116	-25046	15386	48134
79	81	3	22	12	56	40	228	-38098	-25043	15379	48116
79	81	3	22	12	56	40	290	-38089	-25032	15369	48100
79	81	3	22	12	56	40	353	-38092	-25057	15392	48122
79	81	3	22	12	56	40	415	-38063	-25090	15392	48117
79	81	3	22	12	56	40	478	-38056	-25075	15364	48095
79	81	3	22	12	56	40	540	-38074	-25079	15348	48105
79	81	3	22	12	56	40	603	-38063	-25084	15359	48103
79	81	3	22	12	56	40	665	-38102	-25040	15349	48109
79	81	3	22	12	56	40	728	-38116	-25059	15347	48124
79	81	3	22	12	56	40	790	-38116	-25053	15367	48132
79	81	3	22	12	56	40	853	-38123	-25050	15361	48133
79	81	3	22	12	56	40	915	-38057	-25087	15380	48107
79	81	3	22	12	56	40	978	-38000	-25103	15395	48075
79	81	3	22	12	56	41	40	-38015	-25145	15426	48119
79	81	3	22	12	56	41	103	-38044	-25183	15443	48167
79	81	3	22	12	56	41	165	-38041	-25196	15449	48173
79	81	3	22	12	56	41	228	-38020	-25188	15460	48156
79	81	3	22	12	56	41	290	-38017	-25185	15469	48155
79	81	3	22	12	56	41	353	-37992	-25223	15497	48164
79	81	3	22	12	56	41	415	-37964	-25245	15533	48165

79	81		22	12	56	41	478	-37930	-25229	15536	48131

---------- FILE 2 ----------

>>>>>>> BLOCK # 1 <<<<<<<<

79	81	3	22	10	0	0	201	-19743	-4948	9434	22433
79	81	3	22	10	0	0	451	-19810	-4910	9431	22483
79	81	3	22	10	0	0	701	-19845	-4911	9421	22510
79	81	3	22	10	0	0	951	-19836	-4905	9453	22514
79	81	3	22	10	0	1	201	-19826	-4944	9463	22519
79	81	3	22	10	0	1	451	-19803	-4959	9471	22504
79	81	3	22	10	0	1	701	-19849	-4941	9468	22540
79	81	3	22	10	0	1	951	-19881	-4935	9454	22562
79	81	3	22	10	0	2	201	-19888	-4887	9429	22546
79	81	3	22	10	0	2	451	-19914	-4863	9396	22550
79	81	3	22	10	0	2	701	-19936	-4870	9391	22570
79	81	3	22	10	0	2	951	-19922	-4895	9417	22573
79	81	3	22	10	0	3	201	-19882	-4886	9440	22545
79	81	3	22	10	0	3	451	-19877	-4837	9459	22538
79	81	3	22	10	0	3	701	-19898	-4896	9489	22563
79	81	3	22	10	0	3	951	-19931	-4827	9517	22608
79	81	3	22	10	0	4	201	-19959	-4868	9532	22648
79	81	3	22	10	0	4	451	-19974	-4935	9523	22672
79	81	3	22	10	0	4	701	-19955	-4953	9522	22659
79	81	3	22	10	0	4	951	-20002	-4889	9538	22693
79	81	3	22	10	0	5	201	-20089	-4861	9505	22749
79	81	3	22	10	0	5	451	-20103	-4864	9461	22745
79	81	3	22	10	0	5	701	-20074	-4847	9450	22711
79	81	3	22	10	0	5	951	-20056	-4848	9469	22703
79	81	3	22	10	0	6	202	-20013	-5005	9457	22694
79	81	3	22	10	0	6	452	-19955	-5022	9500	22664
79	81	3	22	10	0	6	702	-19981	-5034	9550	22711
79	81	3	22	10	0	6	952	-20047	-5098	9571	22792
79	81	3	22	10	0	7	202	-20056	-5142	9594	22820
79	81	3	22	10	0	7	452	-20065	-5144	9616	22838
79	81	3	22	10	0	7	702	-20075	-5158	9609	22847
79	81	3	22	10	0	7	952	-20112	-5147	9607	22875
79	81	3	22	10	0	8	202	-20175	-5126	9583	22916
79	81	3	22	10	0	8	452	-20231	-5153	9566	22965
79	81	3	22	10	0	8	702	-20227	-5177	9566	22967
79	81	3	22	10	0	8	952	-20217	-5181	9560	22956
79	81	3	22	10	0	9	202	-20212	-5210	9576	22965
79	81	3	22	10	0	9	452	-20216	-5226	9582	22974
79	81	3	22	10	0	9	702	-20191	-5213	9583	22950
79	81	3	22	10	0	9	952	-20218	-5199	9583	22970
79	81	3	22	10	0	10	202	-20234	-5239	9575	22990
79	81	3	22	10	0	10	452	-20216	-5222	9594	22979
79	81	3	22	10	0	10	702	-20202	-5218	9618	22975
79	81	3	22	10	0	10	952	-20161	-5214	9613	22936
79	81	3	22	10	0	11	202	-20166	-5169	9625	22935
79	81	3	22	10	0	11	452	-20207	-5150	9634	22971
79	81	3	22	10	0	11	702	-20229	-5167	9603	22981
79	81	3	22	10	0	11	952	-20226	-5203	9588	22981
79	81	3	22	10	0	12	202	-20221	-5205	9591	22978
79	81	3	22	10	0	12	452	-20222	-5223	9584	22980
79	81	3	22	10	0	12	702	-20198	-5221	9610	22969
79	81	3	22	10	0	12	952	-20223	-5200	9646	23001
79	81	3	22	10	0	13	202	-20244	-5218	9626	23016
79	81	3	22	10	0	13	452	-20251	-5265	9612	23027
79	81	3	22	10	0	13	702	-20215	-5281	9613	22999
79	81	3	22	10	0	13	952	-20210	-5253	9609	22987
79	81	3	22	10	0	14	202	-20231	-5254	9630	23014
79	81	3	22	10	0	14	452	-20251	-5283	9654	23027

79	81	[redacted]	22	10	0	14	702	-20261	-5179	9666	230[redacted]
79	81	[redacted]	22	10	0	14	952	-20285	-5185	9658	23058

>>>>>>> BLOCK # 720 (THE LAST BLOCK)

79	81	3	22	12	59	45	458	-46147	-30099	15004	57102
79	81	3	22	12	59	45	708	-46072	-30064	15017	57027
79	81	3	22	12	59	45	958	-46024	-29918	15041	56917
79	81	3	22	12	59	46	208	-46086	-29808	15042	56910
79	81	3	22	12	59	46	458	-46140	-29730	15036	56911
79	81	3	22	12	59	46	708	-46200	-29752	15005	56963
79	81	3	22	12	59	46	958	-46189	-29775	14982	56960
79	81	3	22	12	59	47	208	-46189	-29733	15003	56944
79	81	3	22	12	59	47	458	-46148	-29682	15027	56891
79	81	3	22	12	59	47	708	-46147	-29580	15059	56845
79	81	3	22	12	59	47	958	-46227	-29595	15071	56874
79	81	3	22	12	59	48	208	-46326	-29528	15090	56972
79	81	3	22	12	59	48	458	-46319	-29594	15099	57002
79	81	3	22	12	59	48	708	-46222	-29586	15096	56919
79	81	3	22	12	59	48	958	-46181	-29483	15143	56845
79	81	3	22	12	59	49	208	-46229	-29372	15178	56835
79	81	3	22	12	59	49	458	-46316	-29338	15197	56894
79	81	3	22	12	59	49	708	-46361	-29358	15203	56942
79	81	3	22	12	59	49	958	-46379	-29370	15194	56961
79	81	3	22	12	59	50	208	-46350	-29376	15186	56938
79	81	3	22	12	59	50	458	-46308	-29363	15213	56904
79	81	3	22	12	59	50	708	-46300	-29328	15256	56891
79	81	3	22	12	59	50	958	-46319	-29286	15286	56893
79	81	3	22	12	59	51	208	-46359	-29314	15272	56936
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79	81	3	22	12	59	51	708	-46323	-29331	15278	56917
79	81	3	22	12	59	51	958	-46281	-29268	15302	56857
79	81	3	22	12	59	52	208	-46268	-29179	15337	56810
79	81	3	22	12	59	52	458	-46318	-29132	15387	56840
79	81	3	22	12	59	52	708	-46360	-29134	15415	56883
79	81	3	22	12	59	52	958	-46360	-29166	15420	56901
79	81	3	22	12	59	53	208	-46300	-29195	15437	56871
79	81	3	22	12	59	53	458	-46236	-29143	15502	56810
79	81	3	22	12	59	53	708	-46234	-29047	15574	56789
79	81	3	22	12	59	53	958	-46291	-28959	15622	56794
79	81	3	22	12	59	54	208	-46381	-28992	15594	56876
79	81	3	22	12	59	54	458	-46392	-29061	15546	56908
79	81	3	22	12	59	54	708	-46369	-29099	15467	56887
79	81	3	22	12	59	54	958	-46332	-29143	15285	56830
79	81	3	22	12	59	55	208	-46323	-29138	15106	56772
79	81	3	22	12	59	55	458	-46350	-29124	14993	56757
79	81	3	22	12	59	55	708	-46409	-29191	14837	56798
79	81	3	22	12	59	55	958	-46387	-29316	14699	56809
79	81	3	22	12	59	56	208	-46339	-29392	14635	56793
79	81	3	22	12	59	56	458	-46295	-29437	14570	56764
79	81	3	22	12	59	56	708	-46271	-29459	14497	56737
79	81	3	22	12	59	56	958	-46293	-29483	14403	56743
79	81	3	22	12	59	57	208	-46329	-29562	14331	56795
79	81	3	22	12	59	57	458	-46336	-29690	14309	56862
79	81	3	22	12	59	57	708	-46253	-29807	14299	56853
79	81	3	22	12	59	57	958	-46135	-29834	14259	56762
79	81	3	22	12	59	58	208	-46092	-29784	14216	56689
79	81	3	22	12	59	58	458	-46134	-29735	14198	56694
79	81	3	22	12	59	58	708	-46207	-29745	14173	56752
79	81	3	22	12	59	58	958	-46235	-29827	14135	56808
79	81	3	22	12	59	59	208	-46202	-29884	14104	56803
79	81	3	22	12	59	59	458	-46139	-29865	14101	56741
79	81	3	22	12	59	59	708	-46116	-29819	14105	56700
79	81	3	22	12	59	59	958	-46132	-29796	14121	56704

79 81 22 12 59 45 208 -46138 -30094 14965 57052

--------- END OF TAPE 2 FILES READ --------

DUMP OF TAPE R01

INPUT TAPE R01 ON T81
DATA INPUT HS NF 2 FL 2 1 1

FILE 1 RECORD 1 LENGTH 2880BYTES

(0)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000000	000000D2	FFFFCAF5	FFFFF219
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(80)	FFFFCAC8	FFFFF241	000020F2	00004015	0000004F	00000051	00000003	00000016	0000000A	00000000
(120)	00000000	000002C6	FFFFCAA5	FFFFF200	000020BD	00004026	0000004F	00000051	00000003	00000016
(160)	0000000A	00000000	00000000	000003C0	FFFFCA91	FFFFF1BA	000020AE	0000403E	0000004F	00000051
(200)	00000003	00000016	0000000A	00000000	00000001	000000D2	FFFFCAAF	FFFFF1A8	000020BE	00004031
(240)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000001	000001CC	FFFFCAC9	FFFFF1E5
(280)	000020D7	0000401B	0000004F	00000051	00000003	00000016	0000000A	00000000	00000001	000002C6
(320)	FFFFCAC3	FFFFF200	000020C7	00004011	0000004F	00000051	00000003	00000016	0000000A	00000000
(360)	00000001	000003C0	FFFFCAB8	FFFFF21D	000020BB	0000400E	0000C04F	00000051	00000003	00000016
(400)	0000000A	00000000	00000002	000000D2	FFFFCAA1	FFFFF229	000020AC	00004018	0000004F	00000051
(440)	00000003	00000016	0000000A	00000000	00000002	000001CC	FFFFCA89	FFFFF233	000020AC	00004029
(480)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000002	000002C6	FFFFCA77	FFFFF21B
(520)	000020AE	0000403F	0000004F	00000051	00000003	00000016	0000000A	00000000	00000002	000003C0
(560)	FFFFCA8B	FFFFF214	00002099	00004024	0000004F	00000051	00000003	00000016	0000000A	00000000
(600)	00000003	000000D2	FFFFCA94	FFFFF213	00002094	0000401A	0000004F	00000051	00000003	00000016
(640)	0000000A	00000000	00000003	000001CC	FFFFCA85	FFFFF1FD	0000209E	00004031	0000004F	00000051
(680)	00000003	00000016	0000000A	00000000	00000003	000002C6	FFFFCA58	FFFFF1C7	000020A3	00004064
(720)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000003	000003C0	FFFFCA2C	FFFFF177
(760)	000020B9	000040A7	0000004F	00000051	00000003	00000016	0000000A	00000000	00000004	000000D2
(800)	FFFFCA29	FFFFF165	000020C8	000040B4	0000004F	00000051	00000003	00000016	0000000A	00000000
(840)	00000004	000001CC	FFFFCA50	FFFFF18C	000020E1	00004098	0000004F	00000051	00000003	00000016
(880)	0000000A	00000000	00000004	000002C6	FFFFCA75	FFFFF1AD	000020EA	00004076	0000004F	00000051
(920)	00000003	00000016	0000000A	00000000	00000004	000003C0	FFFFCA64	FFFFF1DA	000020E6	00004079
(960)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000005	000000D2	FFFFCA3E	FFFFF1E5
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(1040)	FFFFCA24	FFFFF1E7	000020C5	0000409B	0000004F	00000051	00000003	00000016	0000000A	00000000
(1080)	00000005	000002C6	FFFFCA11	FFFFF1D8	000020B7	000040A6	0000004F	00000051	00000003	00000016
(1120)	0000000A	00000000	00000005	000003C0	FFFFCA16	FFFFF1B6	000020AE	000040A5	0000004F	00000051
(1160)	00000003	00000016	0000000A	00000000	00000006	000000D2	FFFFCA15	FFFFF1BB	000020AF	000040A5
(1200)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000006	000001CC	FFFFC9F5	FFFFF1EA
(1240)	000020BA	000040BC	0000004F	00000051	00000003	00000016	0000000A	00000000	00000006	000002C6
(1280)	FFFFC9B2	FFFFF1EB	000020B0	000040EE	0000004F	00000051	00000003	00000016	0000000A	00000000
(1320)	00000006	000003C0	FFFFC989	FFFFF1A7	00002080	00004107	0000004F	00000051	00000003	00000016
(1360)	0000000A	00000000	00000007	000000D2	FFFFC9B4	FFFFF17E	0000206F	000040E4	0000004F	00000051
(1400)	00000003	00000016	0000000A	00000000	00000007	000001CC	FFFFC9D2	FFFFF188	00002077	000040CC
(1440)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000007	000002C6	FFFFC9FA	FFFFF1B6
(1480)	0000207E	000040A5	0000004F	00000051	00000003	00000016	0000000A	00000000	00000007	000003C0
(1520)	FFFFCA0E	FFFFF1EA	00002074	00004083	0000004F	00000051	00000003	00000016	0000000A	00000000
(1560)	00000008	000000D2	FFFFCA1B	FFFFF1FD	0000206C	00004070	0000004F	00000051	00000003	00000016
(1600)	0000000A	00000000	00000008	000001CC	FFFFC9E6	FFFFF1F8	00002074	000040A1	0000004F	00000051
(1640)	00000003	00000016	0000000A	00000000	00000008	000002C6	FFFFC9D4	FFFFF1D0	00002085	000040C2
(1680)	0000004F	00000051	00000003	00000016	0000000A	00000000	00000008	000003C0	FFFFC9DC	FFFFF1C1
(1720)	0000209B	000040C9	0000004F	00000051	00000003	00000016	0000000A	00000000	00000009	000000D2
(1760)	FFFFC9DE	FFFFF1CA	000020C1	000040D9	0000004F	00000051	00000003	00000016	0000000A	00000000
(1800)	00000009	000001CC	FFFFC9CC	FFFFF1DA	000020D3	000040E1	0000004F	00000051	00000003	00000016
(1840)	0000000A	00000000	00000009	000002C6	FFFFC9B1	FFFFF1CA	000020B6	000040F9	0000004F	00000051
(1880)	00000003	00000016	0000000A	00000000	00000009	000003C0	FFFFC983	FFFFF187	00002091	0000411C
(1920)	0000004F	00000051	00000003	00000016	0000000A	00000000	0000000A	000000D2	FFFFC999	FFFFF139
(1960)	00002073	0000410C	0000004F	00000051	00000003	00000016	0000000A	00000000	0000000A	000001CC
(2000)	FFFFC9E3	FFFFF14D	0000207F	000040CF	0000004F	00000051	00000003	00000016	0000000A	00000000
(2040)	0000000A	000002C6	FFFFC9F3	FFFFF18C	0000208C	000040BB	0000004F	00000051	00000003	00000016
(2080)	0000000A	00000000	0000000A	000003C0	FFFFC9E0	FFFFF1A6	00002084	000040C1	0000004F	00000051
(2120)	00000003	00000016	0000000A	00000000	0000000B	000000D2	FFFFC9D1	FFFFF1AC	0000207F	000040C9
(2160)	0000004F	00000051	00000003	00000016	0000000A	00000000	0000000B	000001CC	FFFFC9B6	FFFFF1B4
(2200)	00002071	000040D7	0000004F	00000051	00000003	00000016	0000000A	00000000	0000000B	000002C6
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ISEE 1&2
77-012A-040
77-012B-04L
D-62496 C-23938
3/22/79

HOURS 10 THROUGH 12

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(  2440)  0000208C  00004142  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000C  000003C0
(  2480)  FFFFC918  FFFFF185  00002082  0000416F  0000004F  00000051  00000003  00000016  0000000A  00000000
(  2520)  0000000D  000000D2  FFFFC91F  FFFFF14C  0000207C  00004173  0000004F  00000051  00000003  00000016
(  2560)  0000000A  00000000  0000000D  000001CC  FFFFC943  FFFFF143  0000205E  00004148  0000004F  00000051
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(   400)  0000000C  00000038  00000026  00000122  FFFF6B41  FFFF9E72  00003C92  0000BBEA  0000004F  00000051
(   440)  00000003  00000016  0000000C  00000038  00000026  00000161  FFFF6B42  FFFF9E5D  00003C82  0000BBEF
(   480)  0000004F  00000051  00000003  00000016  0000000C  00000038  00000026  0000019F  FFFF6B79  FFFF9E5D
(   520)  00003CA2  0000BBCE  0000004F  00000051  00000003  00000016  0000000C  00000038  00000026  000001DE
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(   680)  00000003  00000016  0000000C  00000038  00000026  00000299  FFFF6BA4  FFFF9E73  00003C63  0000BB8C
(   720)  0000004F  00000051  00000003  00000016  0000000C  00000038  00000026  000002D8  FFFF6BBA  FFFF9E7E
(   760)  00003C54  0000BB70  0000004F  00000051  00000003  00000016  0000000C  00000038  00000026  00000316
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(  1880)  00000003  00000016  0000000C  00000038  00000028  000000E4  FFFF6B2E  FFFF9E2D  00003C13  0000BBF4
(  1920)  0000004F  00000051  00000003  00000016  0000000C  00000038  00000028  00000122  FFFF6B37  FFFF9E38
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(  2160)  0000004F  00000051  00000003  00000016  0000000C  00000038  00000028  0000025B  FFFF6B51  FFFF9E04
(  2200)  00003BFF  0000BBE7  0000004F  00000051  00000003  00000016  0000000C  00000038  00000028  00000299
(  2240)  FFFF6B2A  FFFF9E30  00003BF5  0000BBED  0000004F  00000051  00000003  00000016  0000000C  00000038
(  2280)  00000028  000002D8  FFFF6B1C  FFFF9E26  00003BF3  0000BBFC  0000004F  00000051  00000003  00000016
(  2320)  0000000C  00000038  00000028  00000316  FFFF6B1C  FFFF9E23  00003C07  0000BC04  0000004F  00000051
(  2360)  00000003  00000016  0000000C  00000038  00000028  00000355  FFFF6B15  FFFF9E26  00003C01  0000BC05
(  2400)  0000004F  00000051  00000003  00000016  0000000C  00000038  00000028  00000393  FFFF6B57  FFFF9E01
(  2440)  00003C14  0000BBEB  0000004F  00000051  00000003  00000016  0000000C  00000038  00000028  000003D2
(  2480)  FFFF6B90  FFFF9DF1  00003C23  0000BBCB  0000004F  00000051  00000003  00000016  0000000C  00000038
(  2520)  00000029  00000028  FFFF6B81  FFFF9DC7  00003C42  0000BBF7  0000004F  00000051  00000003  00000016
(  2560)  0000000C  00000038  00000029  00000067  FFFF6B64  FFFF9DA1  00003C53  0000BC27  0000004F  00000051
(  2600)  00000003  00000016  0000000C  00000038  00000029  000000A5  FFFF6B67  FFFF9D94  00003C59  0000BC2D
(  2640)  0000004F  00000051  00000003  00000016  0000000C  00000038  00000029  000000E4  FFFF6B7C  FFFF9D9C
(  2680)  00003C64  0000BC1C  0000004F  00000051  00000003  00000016  0000000C  00000038  00000029  00000122
(  2720)  FFFF6B7F  FFFF9D9F  00003C6D  0000BC1B  0000004F  00000051  00000003  00000016  0000000C  00000038
(  2760)  00000029  00000161  FFFF6B98  FFFF9D79  00003C89  0000BC24  0000004F  00000051  00000003  00000016
(  2800)  0000000C  00000038  00000029  0000019F  FFFF6BB4  FFFF9D63  00003CAD  0000BC25  0000004F  00000051
(  2840)  00000003  00000016  0000000C  00000038  00000029  000001DE  FFFF6BD6  FFFF9D73  00003CB0  0000BC03

          FILE    INPUT     DATA RECORDS     MAX.          READ ERROR SUMMARY          INPUT RETRIES
                  RECS.        INPUT         SIZE       PERM  ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
              1    1306        1307          2880         0       0       0       0       0       0

FILE      2  RECORD       1  LENGTH    2880BYTES
(     0)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000000  000000C9  FFFFB2E1  FFFFECAC
(    40)  000024DA  000057A1  0000004F  00000051  00000003  00000016  0000000A  00000000  00000000  000001C3
(    80)  FFFFB29E  FFFFECD2  00002407  00057D3  0000004F  00000051  00000003  00000016  0000000A  00000000
(   120)  00000000  000002BD  FFFFB27B  FFFFECD1  000024CD  000057EE  0000004F  00000051  00000003  00000016
(   160)  0000000A  00000000  00000000  000003B7  FFFFB284  FFFFECD7  000024ED  000057F2  0000004F  00000051
(   200)  00000003  00000016  0000000A  00000000  00000001  000000C9  FFFFB28E  FFFFECB0  000024F7  000057F7
(   240)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000001  000001C3  FFFFB2A5  FFFFECA1
(   280)  000024FF  000057E8  0000004F  00000051  00000003  00000016  0000000A  00000000  00000001  000002BD
(   320)  FFFFB277  FFFFECB3  000024FC  0000580C  0000004F  00000051  00000003  00000016  0000000A  00000000
(   360)  00000001  000003B7  FFFFB257  FFFFECB9  000024EE  00005822  0000004F  00000051  00000003  00000016
(   400)  0000000A  00000000  00000002  000000C9  FFFFB250  FFFFECE9  000024D5  00005812  0000004F  00000051
(   440)  00000003  00000016  0000000A  00000000  00000002  000001C3  FFFFB236  FFFFED01  000024B4  00005816
(   480)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000002  000002BD  FFFFB220  FFFFECFA
(   520)  000024AF  0000582A  0000004F  00000051  00000003  00000016  0000000A  00000000  00000002  000003B7
(   560)  FFFFB22E  FFFFECE1  000024C9  0000582D  0000004F  00000051  00000003  00000016  0000000A  00000000
(   600)  00000003  000000C9  FFFFB256  FFFFECEA  000024E0  00005811  0000004F  00000051  00000003  00000016
(   640)  0000000A  00000000  00000003  000001C3  FFFFB25B  FFFFED1B  000024F3  0000580A  0000004F  00000051
(   680)  00000003  00000016  0000000A  00000000  00000003  000002BD  FFFFB246  FFFFED3A  00002511  00005823
(   720)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000003  000003B7  FFFFB225  FFFFED25
(   760)  00002520  00005850  0000004F  00000051  00000003  00000016  0000000A  00000000  00000004  000000C9
(   800)  FFFFB209  FFFFECFC  0000253C  00005878  0000004F  00000051  00000003  00000016  0000000A  00000000
(   840)  00000004  000001C3  FFFFB1FA  FFFFECB9  00002533  00005890  0000004F  00000051  00000003  00000016
(   880)  0000000A  00000000  00000004  000002BD  FFFFB20D  FFFFECA7  00002532  00005883  0000004F  00000051
(   920)  00000003  00000016  0000000A  00000000  00000004  000003B7  FFFFB1DE  FFFFECE7  00002542  000058A5
(   960)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000005  000000C9  FFFFB187  FFFFED03
(  1000)  00002521  000058DD  0000004F  00000051  00000003  00000016  0000000A  00000000  00000005  000001C3
(  1040)  FFFFB179  FFFFED00  000024F5  000058D9  0000004F  00000051  00000003  00000016  0000000A  00000000
(  1080)  00000005  000002BD  FFFFB196  FFFFED11  000024EA  000058B7  0000004F  00000051  00000003  00000016
(  1120)  0000000A  00000000  00000005  00003B7  FFFFB1A8  FFFFED10  000024FD  000058AF  0000004F  00000051
(  1160)  00000003  00000016  0000000A  00000000  00000006  000000CA  FFFFB1D3  FFFFEC73  000024F1  000058A6
(  1200)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000006  000001C4  FFFFB20D  FFFFEC62
(  1240)  0000251C  00005888  0000004F  00000051  00000003  00000016  0000000A  00000000  00000006  000002BE
(  1280)  FFFFB1F3  FFFFEC56  0000254E  000058B7  0000004F  00000051  00000003  00000016  0000000A  00000000
(  1320)  00000006  000003B8  FFFFB1B1  FFFFEC16  00002563  00005908  0000004F  00000051  00000003  00000016
(  1360)  0000000A  00000000  00000007  000000CA  FFFFB1A8  FFFFEBEA  0000257A  00005924  0000004F  00000051
(  1400)  00000003  00000016  0000000A  00000000  00000007  000001C4  FFFFB19F  FFFFEBE8  00002590  00005936
(  1440)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000007  000002BE  FFFFB195  FFFFEBDA
```

```
(  1560)  00000008  000000CA  FFFFB131  FFFFEBFA  0000256F  00005984  0000004F  00000051  00000003  00000016
(  1600)  0000000A  00000000  00000008  000001C4  FFFFB0F9  FFFFEBDF  0000255E  000059B5  0000004F  00000051
(  1640)  00000003  00000016  0000000A  00000000  00000008  000002BE  FFFFB0FD  FFFFEBC7  0000255E  000059B7
(  1680)  0000004F  00000051  00000003  00000016  0000000A  00000000  00000008  000003B8  FFFFB107  FFFFEBC3
(  1720)  00002558  000059AC  0000004F  00000051  00000003  00000016  0000000A  00000000  00000009  000000CA
(  1760)  FFFFB10C  FFFFEBA6  00002568  000059B5  0000004F  00000051  00000003  00000016  0000000A  00000000
(  1800)  00000009  000001C4  FFFFB108  FFFFEB96  0000256E  000059BE  0000004F  00000051  00000003  00000016
(  1840)  0000000A  00000000  00000009  000002BE  FFFFB121  FFFFEBA3  0000256F  000059A6  0000004F  00000051
(  1880)  00000003  00000016  0000000A  00000000  00000009  000003B8  FFFFB106  FFFFEBB1  0000256F  000059BA
(  1920)  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000A  000000CA  FFFFB0F6  FFFFEB89
(  1960)  00002567  000059CE  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000A  000001C4
(  2000)  FFFFB108  FFFFEB9A  0000257A  000059C3  0000004F  00000051  00000003  00000016  0000000A  00000000
(  2040)  0000000A  000002BE  FFFFB116  FFFFEB9E  00002592  000059BF  0000004F  00000051  00000003  00000016
(  2080)  0000000A  00000000  0000000A  000003B8  FFFFB13F  FFFFEBA2  0000258D  00005998  0000004F  00000051
(  2120)  00000003  00000016  0000000A  00000000  0000000B  000000CA  FFFFB13A  FFFFEBCF  00002599  00005997
(  2160)  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000B  000001C4  FFFFB111  FFFFEBE2
(  2200)  000025A2  000059BB  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000B  000002BE
(  2240)  FFFFB0FB  FFFFEBD1  00002583  000059C5  0000004F  00000051  00000003  00000016  0000000A  00000000
(  2280)  0000000B  000003B8  FFFFB0FE  FFFFEBAD  00002574  000059C5  0000C04F  00000051  00000003  00000016
(  2320)  0000000A  00000000  0000000C  000000CA  FFFFB103  FFFFEBAB  00002577  000059C2  0000004F  00000051
(  2360)  00000003  00000016  0000000A  00000000  0000000C  000001C4  FFFFB102  FFFFEB99  00002570  000059C4
(  2400)  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000C  000002BE  FFFFB11A  FFFFEB9B
(  2440)  0000258A  000059B9  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000C  000003B8
(  2480)  FFFFB101  FFFFEBB0  000025AE  000059D9  0000004F  00000051  00000003  00000016  0000000A  00000000
(  2520)  0000000D  000000CA  FFFFB0EC  FFFFEB9E  0000259A  000059E8  0000004F  00000051  00000003  00000016
(  2560)  0000000A  00000000  0000000D  000001C4  FFFFB0E5  FFFFEB6F  0000258C  000059F3  0000004F  00000051
(  2600)  00000003  00000016  0000000A  00000000  0000000D  000002BE  FFFFE109  FFFFEB5F  0000258D  000059D7
(  2640)  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000D  000003B8  FFFFB10E  FFFFEB7B
(  2680)  00002589  000059CB  0000004F  00000051  00000003  00000016  0000000A  00000000  0000000E  000000CA
(  2720)  FFFFB0F9  FFFFEB7A  0000259E  000059E6  0000004F  00000051  00000003  00000016  0000000A  00000000
(  2760)  0000000E  000001C4  FFFFB0E5  FFFFEB8F  00002586  000059FD  0000004F  00000051  00000003  00000016
(  2800)  0000000A  00000000  0000000E  000002BE  FFFFB0DB  FFFFEBC5  000025C2  000059FF  0000004F  00000051
(  2840)  00000003  00000016  0000000A  00000000  0000000E  000003B8  FFFFB0C3  FFFFEBBF  000025BA  00005A12

FILE      2  RECORD      720  LENGTH    2880BYTES
(     0)  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000002D  000001CA  FFFF4BBD  FFFF8A6D
(    40)  00003A9C  0000DF0E  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000002D  000002C4
(    80)  FFFF4C08  FFFF8A90  00003AA9  0000DEC3  0000004F  00000051  00000C03  00000016  0000000C  0000003B
(   120)  0000002D  000003BE  FFFF4C38  FFFF8B22  00003AC1  0000DE55  0000004F  00000051  00000003  00000016
(   160)  0000000C  0000003B  0000002E  000000D0  FFFF4BFA  FFFF8B90  00003AC2  0000DE4E  0000004F  00000051
(   200)  00000003  00000016  0000000C  0000003B  0000002E  000001CA  FFFF4BC4  FFFF8BDE  00003ABC  0000DE4F
(   240)  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000002E  000002C4  FFFF4B88  FFFF8BC8
(   280)  00003A9D  0000DE83  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000002E  000003BE
(   320)  FFFF4B93  FFFF8BB1  00003A86  0000DE80  0000004F  00000051  00000003  00000016  0000000C  0000003B
(   360)  0000002F  000000D0  FFFF4B93  FFFF8BDB  00003A9B  0000DE70  0000004F  00000051  00000003  00000016
(   400)  0000000C  0000003B  0000002F  000001CA  FFFF4BBC  FFFF8C0E  00003AB3  0000DE3B  0000004F  00000051
(   440)  00000003  00000016  0000000C  0000003B  0000002F  000002C4  FFFF4BBD  FFFF8C74  00003AD3  0000DE0D
(   480)  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000002F  000003BE  FFFF4B6D  FFFF8CBF
(   520)  00003ADF  0000DE2A  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000030  000000D0
(   560)  FFFF4B0A  FFFF8CA8  00003AF2  0000DE8C  0000004F  00000051  00000003  00000016  0000000C  0000003B
(   600)  00000030  000001CA  FFFF4B11  FFFF8C66  00003AFB  0000DEAA  0000004F  00000051  00000003  00000016
(   640)  0000000C  0000003B  00000030  000002C4  FFFF4B72  FFFF8C6E  00003AF8  0000DE57  0000004F  00000051
(   680)  00000003  00000016  0000000C  0000003B  00000030  000003BE  FFFF4B9B  FFFF8CD5  00003B27  0000DE0D
(   720)  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000031  000000D0  FFFF4B6B  FFFF8D44
(   760)  00003B4A  0000DE03  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000031  000001CA
(   800)  FFFF4B14  FFFF8D66  00003B5D  0000DE3E  0000004F  00000051  00000C03  00000016  0000000C  0000003B
(   840)  00000031  000002C4  FFFF4AE7  FFFF8D52  00003B63  0000DE6E  0000004F  00000051  00000003  00000016
(   880)  0000000C  0000003B  00000031  000003BE  FFFF4AD5  FFFF8D46  00003B5A  0000DE81  0000004F  00000051
(   920)  00000003  00000016  0000000C  0000003B  00000032  000000D0  FFFF4AF2  FFFF8D40  00003B52  0000DE6A
(   960)  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000C32  000001CA  FFFF4B1C  FFFF8D4D
(  1000)  00003B6D  0000DE48  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000032  000002C4
(  1040)  FFFF4B24  FFFF8D70  00003B98  0000DE3B  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  1080)  00000032  000003BE  FFFF4B11  FFFF8D9A  00003BB6  0000DE3D  0000004F  00000051  00000003  00000016
(  1120)  0000000C  0000003B  00000033  000000D0  FFFF4AE9  FFFF8D7E  00003BA8  0000DE68  0000004F  00000051
```

```
(  1240)  00003BAE  0000DE55  0000004F  00000051  00000003  00000016  0000C00C  0000003B  00000033  000003BE
(  1280)  FFFF4B37  FFFF8DAC  00003BC6  0000DE19  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  1320)  00000034  000000D0  FFFF4B44  FFFF8E05  00003BE9  0000DDEA  0000004F  00000051  00000003  00000016
(  1360)  0000000C  0000003B  00000034  000001CA  FFFF4B12  FFFF8E34  00003C1B  0000DE08  0000004F  00000051
(  1400)  00000003  00000016  0000000C  0000003B  00000034  000002C4  FFFF4AE8  FFFF8E32  00003C37  0000DE33
(  1440)  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000034  000003BE  FFFF4AE8  FFFF8E12
(  1480)  00003C3C  0000DE45  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000035  000000D0
(  1520)  FFFF4B24  FFFF8DF5  00003C4D  0000DE27  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  1560)  00000035  000001CA  FFFF4B64  FFFF8E29  00003C8E  0000DDEA  0000004F  00000051  00000003  00000016
(  1600)  0000000C  0000003B  00000035  000002C4  FFFF4B66  FFFF8E89  00003CD6  0000DDCC  0000004F  00000051
(  1640)  00000003  00000016  0000000C  0000003B  00000035  000003BE  FFFF4B2D  FFFF8EE1  00003D06  0000DDDA
(  1680)  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000036  000000D0  FFFF4AD3  FFFF8EC0
(  1720)  00003CEA  0000DE2C  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000036  000001CA
(  1760)  FFFF4AC8  FFFF8E7B  00003CBA  0000DE4C  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  1800)  00000036  000002C4  FFFF4ADF  FFFF8E55  00003C6B  0000DE37  0000004F  00000051  00000003  00000016
(  1840)  0000000C  0000003B  00000036  000003BE  FFFF4B04  FFFF8E29  00003BB5  0000DDFE  0000004F  00000051
(  1880)  00000003  00000016  0000000C  0000003B  00000037  000000D0  FFFF4B0D  FFFF8E2E  00003B02  0000DDC4
(  1920)  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000037  000001CA  FFFF4AF2  FFFF8E3C
(  1960)  00003A91  0000DDB5  0000004F  00000051  00000003  00000016  0000C00C  0000003B  00000037  000002C4
(  2000)  FFFF4AB7  FFFF8DF9  000039F5  0000DDDE  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  2040)  00000037  000003BE  FFFF4ACD  FFFF8D7C  0000396B  0000DDE9  0000004F  00000051  00000003  00000016
(  2080)  0000000C  0000003B  00000038  000000D0  FFFF4AFD  FFFF8D30  0000392B  0000DDD9  0000004F  00000051
(  2120)  00000003  00000016  0000000C  0000003B  00000038  000001CA  FFFF4B29  FFFF8D03  000038EA  0000DDBC
(  2160)  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000038  000002C4  FFFF4B41  FFFF8CED
(  2200)  000038A1  0000DDA1  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000038  000003BE
(  2240)  FFFF4B2B  FFFF8CD5  00003843  0000DDA7  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  2280)  00000039  000000D0  FFFF4B07  FFFF8C86  000037FB  0000DDDB  0000004F  00000051  00000003  00000016
(  2320)  0000000C  0000003B  00000039  000001CA  FFFF4B00  FFFF8C06  000037E5  0000DE1E  0000004F  00000051
(  2360)  00000003  00000016  0000000C  0000003B  00000039  000002C4  FFFF4B53  FFFF8B91  000037DB  0000DE15
(  2400)  0000004F  00000051  00000003  00000016  0000000C  0000003B  00000039  000003BE  FFFF4BC9  FFFF8B76
(  2440)  000037B3  0000DDBA  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000003A  000000D0
(  2480)  FFFF4BF4  FFFF8BA8  00003788  0000DD71  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  2520)  0000003A  000001CA  FFFF4BCA  FFFF8BD9  00003776  0000DD76  0000004F  00000051  00000003  00000016
(  2560)  0000000C  0000003B  0000003A  000002C4  FFFF4B81  FFFF8BCF  0000375D  0000DDB0  0000004F  00000051
(  2600)  00000003  00000016  0000000C  0000003B  0000003A  000003BE  FFFF4B65  FFFF8B7D  00003737  0000DDE8
(  2640)  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000003B  000000D0  FFFF4B86  FFFF8B44
(  2680)  00003718  0000DDE3  0000004F  00000051  00000003  00000016  0000000C  0000003B  0000003B  000001CA
(  2720)  FFFF4BC5  FFFF8B57  00003715  0000DDA5  0000004F  00000051  00000003  00000016  0000000C  0000003B
(  2760)  0000003B  000002C4  FFFF4BDC  FFFF8B85  00003719  0000DD7C  0000004F  00000051  00000003  00000016
(  2800)  0000000C  0000003B  0000003B  000003BE  FFFF4BCC  FFFF8B9C  00003729  0000DD80  0000004F  00000051
(  2840)  00000003  00000016  0000000C  0000003B  0000002D  000000D0  FFFF4BC6  FFFF8A72  00003A75  0000DEFA
```

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	720	721	2880	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 2 # OF PERMANENT READ ERRORS 0

START TIME 04/17/84 08:31:19 STOP TIME 04/17/84 08:32:33

```
$$
$AVR CI 8
```

ISEE 1

SOLAR INTERPL & MAGNET. ENERG ION

77-102A-05A SPHE-00684

This data set has been restored. There were originally five 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on a 360 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004177	DS004177	D033817	1	12/04/77 - 12/06/77
		D034029	2 - 16	11/07/77 - 01/01/78
		D035054	17 - 23	11/03/77 - 09/08/78
		D045312	24	03/22/79 - 03/22/79
		D045313	25 - 26	03/31/79 - 04/01/79

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD2464	MJT

ISEE 1

SOLAR INTERPLANETARY & MAGNETOSPHERIC ENERGETIC ION DATA

77-102A-05A

This data set catalog consists of 5 data tapes. The tapes are 9 track, 1600 BPI, and contain binary data. The tapes were created on an IBM 360 computer.

Time span is as follows:

D#	C#	FILES	TIME SPAN
D-33817	C-20594	1	12/04/77 - 12/06/77
D-34029	C-20641	15	11/10/77 - 01/01/78
D-35054	C-20674	7	11/03/77 - 09/08/78
D-45312	C-21623	1	03/22/79
D-45313	C-21816	2	03/31/79 - 04/01/79

HOM Experiment
27-102A-05A

TAPE FORMAT FOR ISEE-A SUMMARY TAPES

CDHW 3.0

There will be 2 types of summary tapes produced from the DECOM-tapes of the HOM experiment:

1.) SUM 1: Summaries of 1 MF (64 seconds in low bit rate) - Rate only
2.) SUM 2: Summaries of 8 MF (512 seconds in low bit rate) - Rate & PHA

The tapes will be multy-filed, 9 track, 1600 BPI.
The records will be fixed-blocked, with a logical record length of 4384 bytes (1096 words) and a physical record length of 8768 bytes (blocking factor of 2). Summary tape records will be of 3 types: Summary records, PHA-event records and mixed records. The first file on the tape will contain only two records and will be used for identification purposes because there will be no IBM labels on the tape.
The SUM 1 - Tape will contain rate information only (and therefore only summary records). The SUM 2 - Tape will contain rate and PHA - summaries (all 3 types of records).
Each SUM 1 - summary period will begin when the S/C clock modulo 512 is zero, since the S/C clock increments every minor frame, the low order 8 bits are zero at the start of a summary period.
Each SUM 2 - period will begin, when the low order 11 bits of the S/C clock are zero, corresponding to a summary over 8 Major Frames.

Each summary tape will contain an integral number of Decom tape files. It is expected that one Summary tape will contain approximately 2-3 orbits (~5-7 days) for ISEE-A.
Each Summary tape will end after a complete summary period, there will be no time overlap between consecutive summary tapes.

A detailed description of the ISEE-A Summary tape records follows. "WORD" and "HALFWORD" refer to IBM 360 32-bit words and 16 bit halfwords, respectively. Format I*4 refers to a 4 byte (full word) integer, I*2 refers to a 2-byte (halfword) integer and R*4 refers to a 4-byte floating point number (IBM 360 format).
There will be separate files for different telemetry sequences (e.g. SIP-Mode, magnetospheric mode)

RECORD FORMAT FOR SUMMARY TAPE (ISEE-A)

SUMMARY RECORD (ID = 0)

WORD	HALF WORD	FORMAT	ITEM DESCRIPTION	
1		I * 4	RECORD ID 0: summary record 1: mixed record 2: PHA-record	
2		I * 4	S/C-clock for start minor frame of summary period (low order 8 bits are zero)	
3	1	I * 2	DAY OF YEAR (Jan. 1 = 1)	START TIME OF SUMMARY PERIOD (TIME CORRESPONDING TO S/C-clock of word 2)
	2	I * 2	YEAR	
4	1	I * 2	DAY OF MONTH	
	2	"	MONTH	
5		I * 4	MILLISEC. OF DAY	
6	1	I * 2	DAY OF YEAR	STOP TIME OF SUMMARY PERIOD (START TIME OF LAST LOGICAL RECORD PROCESSED IN SUMMARY PERIOD)
	2	"	YEAR	
7	1	"	DAY OF MONTH	
	2	"	MONTH	
8		I * 4	MILLISEC. OF DAY	

SUMMARY RECORD (ID = 0)

WORD	HALF WORD	FORMAT	ITEM DESCRPTION
9	1	I 2	DECOM TAPE NUMBER
	2	I 2	FILE NUMBER OF DECOM TAPE
10		R * 4	VALVE TEMP UW
11		R * 4	VALVE TEMP UH
12	1	I 2	BIT RATE (4096; 16 384; etc.)
	2	I 2	Nr. of readouts for WORD 13
13		I 4	AVERAGE FRAME RATE (MICROSECONDS)
14		R 4	SPIN PERIOD (MILLISECONDS)
15		R 4	TEMP. UoM Package
16		R 4	TEMP. MPE "
17		R 4	COLD PLATE TEMP.
18		R 4	+ 20 KV

SUMMARY RECORD (ID = 0)

WORD	HALF WORD	FORMAT	ITEM DESCRIPTION
19		R 4	- 11.9 KV
20		"	+ 2.8 KV
21		"	Test reference
22		"	Detector Bias
23		"	GAS PRESS. (UW)
24		"	GAS PRESS. (UH)
25		"	PC-BIAS (UW)
26		"	PC-BIAS (UH)
27		"	GRB PM-supply Gamma Ray Burst
28		"	LOW VOLTAGE CONVERTER
29		"	STEPPED DEFLECTION VOLTAGE
30	1	I 2	NB. OF MINOR FRAMES PADDED FORMAT A
	2	"	" " " " NOT PADDED FORMAT A
31	1	"	" " " " PADDED FORMAT C
	2		" " " " NOT PADDED FORMAT C
32	1	"	" " " " PADDED FORMAT D

SUMMARY RECORD (ID = 0)

WORD	HALF WORD	FORMAT	ITEM DESCRIPTION
33	1	I * 2	NB. OF MINOR FRAMES PADDED FORMAT E
	2	"	" " " " NOT PADDED " E
34	1	"	" " " " PADDED " B
	2	"	" " " " NOT PADDED " B
35	1	"	CALIBRATE MODE INDICATOR (0 = NOT.)
	2	"	MAGNETOSPHERIC MODE INDICATOR (0 = NOT.)
36		I * 4	COMMAND WORD 1
37		"	" " 2
38		"	" " 3 (LSB corresponds to bit 33 of CW)
39		"	" " 4
40		"	" " 5
41		"	" " 6
42	1	I * 2	8 MSB MFCNT AT READOUT 7 least significant bits: MAGNETIC FIELD (FROM STATUS BLOCK)
	2	"	8 MSB MFCNT AT READOUT 8 LSB : SUN ASPECT (FROM STATUS BLOCK)
43	1	"	12 LSB = status bits, when D counter = 5
	2	"	8 MSB TIME QUALITY FLAG 4 LSB ORBIT FLAG

SUMMARY RECORD (ID = 0)

WORD	HALF WORD	FORMAT	ITEM DESCRIPTION
44		R * 4	GSE - X
45		"	GSE - Y (ORBITAL POSITION FOR START TIME
46		"	GSE - Z OF SUMMARY PERIOD IN Er)
47		R * 4	WORDS 3 - 84 OF THE ISEE-A (without 66/72)
⋮		"	ORBIT/ATTITUDE DATA RECORD FOR THE
126		R * 4	CORRESPONDING TIME PERIOD
			(FOR SUM-2- RECORDS corresponding to THE FIRST MF)
127		I * 4	
		"	
137		"	GRB data for 1 MF in SIP * (TABLE 5)
		"	
		"	
		"	
138		"	
⋮			SPARE FOR additional GRB data
147		"	

* GRB DATA ARE ON SUM 1 ONLY

SUMMARY RECORD (ID = 0)

WORD	HALF WORD	FORMAT	ITEM DESCRIPTION
148	1	I * 2	NR READOUTS/WORD 14-29, 10, 11
⋮			
156	2	I * 2	
157	See ATTACHED		RATE SUMMARY FOR SECTORED AND NON-SECTORED RATES (948 WORDS) ~~according to table 1 and 2~~
⋮			
1096			

DUMP OF TAPE X-393

ISEE-7
A-059
11/03/77 - 9/05/78
D.3505Y

INPUT TAPE X-393 ON MS2
DATA INPUT H9 NF 7 FL 1 1 1 SR 7 1 1 SR 7 LAST 1

FILE 1 RECORD 1 LENGTH 8768BYTES

(0)	00000000	353DFB00	3133004D	003D000B	3193726A	3133004D	003D000B	31942DD3	1801002A	411C28F5
(4)	411D1E88	1[illegible]22004	453D01A0	43BE EEC	4129EB85	41257DA3	414947AD	4137FFFF	413D70A3	4[illegible]FDA3D6
(8)	41428F5C	414570A3	412AE147	4148A3D6	41428F5C	413FFFFF	413FFFFF	41428F5C	411D1EB8	00000010
(12)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(16)	00000002	1B014F8D	C5F4103C	41ADDD99	C1252D4B	414FD890	00000000	[illegible]	[illegible]	[illegible]
(20)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(24)	00000000	00000000	00000000	00000000	00000000	0CCCCCC0	00000000	00000000	00000000	00000000
(28)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(32)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(36)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(40)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(44)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(48)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	FFFF0000	18020180	07420A00	4[illegible]4766
(52)	0120EF10	00051808	21000801	00000000	00000000	0CCCC000	000C0000	00000000	00000000	6165696D
(56)	7175797D	E1E5E9ED	F1F5F9FD	00000000	00000000	0CCCC000	00000000	00010001	00040001	00010001
(60)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(64)	1BE40008	41300000	41300000	42400000	1BC60004	41D00000	42390000	42400000	1B880002	00000000
(68)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(72)	1BF20008	42100000	42300000	42400000	1BF40008	0CCCC000	00000000	42400000	1BF60008	42240000
(76)	42AC0000	42400000	1BF80008	42380000	431C8000	42400000	1BFA0008	43B72000	4616[illegible]FC	42400000
(80)	1BFC0008	00000000	CC000000	42400000	1BFE0008	423D0000	431E0000	42400000	1BE00008	42640000
(84)	43534000	42400000	1BE60004	41800000	42160000	42400000	1BE80004	41400000	41A00000	42400000
(88)	1BEA0004	414[illegible]	41400000	42400000	1BEC0004	0CCC0000	00000000	42400000	1BEE0004	00000000
(92)	00000000	42400000	1BF00004	00000000	00000000	42400000	1BC80003	459C8000	4A23A120	42400000
(96)	1BCA0002	00000000	00000000	42400000	1BCC0002	0CCC0000	00000000	42400000	1BCE0002	0CCC0000
(100)	[illegible]	42400000	1BD00002	[illegible]	[illegible]	42400000	1B0E0001	00000000	00000000	42400000
(104)	1B0E0001	00000000	00000000	42400000	1B100001	0CCC0000	00000000	42400000	1B120001	00000000
(108)	00000000	42400000	1B8E0001	00000000	00000000	42400000	1B8E0001	00000000	00000000	42400000
(112)	1B900001	00000000	00000000	42400000	1B900001	0CCC0000	00000000	42400000	1B940001	00000000
(116)	00000000	42400000	1B960001	00000000	00000000	42400000	1B980001	00000000	00000000	42400000
(120)	1B9A0001	00000000	00000000	42400000	1B9C0001	0CCC0000	00000000	42400000	1B9E0001	00000000
(124)	00000000	42400000	1BA00001	00000000	00000000	42400000	1BC20001	41300000	41900000	42400000
(128)	1BA40001	00000000	00000000	42400000	1BC60001	41500000	42190000	42400000	1B080001	41100000
(132)	41100000	42400000	1BCA0001	00000000	00000000	42400000	1BC00001	00000000	00000000	42400000
(136)	1B820001	00000000	00000000	42400000	1B840001	0CCC0000	00000000	42400000	1B860001	41100000
(140)	41100000	42400000	1B880001	00000000	00000000	42400000	1B8A0001	00000000	00000000	42400000
(144)	1B8C0001	00000000	00000000	42400000	00000000	00000000	00000000	1B120015	00100000	[illegible]
(148)	1B140015	00000000	1B160015	00000000	1B180015	00000000	1B1A0015	00000000	1B1C0015	00000000
(152)	1B1E0015	00000000	1B200015	00000000	1B220016	43128000	1B240015	43168000	1B260015	43188000
(156)	1B280015	43140000	1B2A0015	43198000	1B2C0015	43148000	1B2E0015	43158000	1B300015	43130000
(160)	1B320015	41300000	1B340015	41800000	1B360015	41300000	1B380015	41700000	1B3A0015	41900000
(164)	1B3C0015	41600000	1B3E0015	42230000	1B400015	41800000	00000000	00000000	00000000	00000000
(168)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(172)	00000000	00000000	1BD20015	00000000	1BD40015	00000000	1BD60015	41200000	1BD80015	41100000
(176)	1BDA0015	41300000	1BDC0015	41100000	1BDE0015	41100000	1BE00015	00000000	00000000	00000000
(180)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(184)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(188)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(192)	1BA20015	00000000	1BA40015	00000000	1BA60015	00000000	1BA80015	00000000	1BAA0015	00000000
(196)	1BAC0015	00000000	1BAE0015	00000000	1BB00015	00000000	1BB20015	41B00000	1BB40015	41E00000
(200)	1BB60015	41E00000	1BB80015	41D00000	1BBA0015	41EC0000	1BBC0016	41F00000	1BBE0015	42120000
(204)	1BC00015	41F00000	1BC20015	00000000	1BC40015	00000000	1BC60015	41100000	1BC80015	41100000
(208)	1BCA0015	00000000	1BCC0015	41100000	1BCE0015	41100000	1BD00015	00000000	1BE20015	00000000
(212)	1BE40015	00000000	1BE60015	00000000	1BE80015	00000000	1BEA0015	41200000	1BEC0015	00000000
(216)	1BEE0016	00000000	1BF00015	41100000	1BF20015	00000000	1BF40015	00000000	1BF60015	00000000
(220)	1BF80015	00000000	1BFA0015	00000000	1BFC0015	00000000	1BFE0015	00000000	1B800015	00000000
(224)	1BC30015	43200000	1BD30015	43100000	1BCB0015	42410000	1BDB0015	42480000	1BC30015	43150000

77-102A-05A
D-34029
11/10/77 - 1/01/78

DUMP OF TAPE X409

INPUT TAPE X409 ON MS2
DATA INPUT H9 NF 15 FL 1 1 1 SR 15 1 1 SR 15 LAST 1

FILE 1 RECORD 1 LENGTH 8768BYTES

(0)	00000000	00639000	013A0004	000A000B	0235FC71	013A004D	000A000B	0236B7DA	24010020	411E6666
(40)	411E6666	10020004	453D0190	43BE11E0	41299999	41251EB8	4148F5C2	4137FFFF	413D70A3	40F0A3D6
(80)	41423D70	41457CA3	412AE147	4148A3D6	4142E147	413FFFFF	413FFFFF	41428F5C	412DC28F	00000010
(120)	000C0014	0005000B	00180028	00300050	00000000	00420000	00000000	00000000	00190000	00000000
(160)	00000002	10104FD1	01F41030	41875B5F	C1492AEA	4157616A	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	00000000	00000000	00000000	FFFF0000	680C0000	1D136808	00001313
(520)	180C0040	1B13180E	00001717	00000000	00000000	00000000	00000000	00000000	00000000	6165696D
(560)	7175797D	E1E5E9ED	F1F5F9FD	00000000	00000000	00000000	00000000	00010001	00040001	00010001
(600)	00010001	00010001	00010001	00010001	00010001	00010001	10E20005	41100000	41100000	42400000
(640)	10E40005	41100000	41100000	42400000	10C60002	41FC0000	42750000	42400000	10880001	41100000
(680)	41100000	42400000	108A0001	00000000	00000000	42400000	108C0001	00000000	00000000	42400000
(720)	10F20005	41600000	41800000	42400000	10F40005	00CC0000	00000000	42400000	10F60005	43307000
(760)	45419BD0	42400000	10F80005	42350000	43277000	424C0000	10FA0005	44369000	47274810	42400000
(800)	10FC0005	00000000	00000000	42400000	10FE0005	431A5000	44CA1D00	42400000	10E00005	431D4000
(840)	44AD2A00	42400000	10E60003	42770000	44131D00	42400000	10E80003	41500000	41900000	42400000
(880)	10EA0003	00000000	00000000	42400000	10EC0003	00CC0000	00000000	42400000	10EE0003	00000000
(920)	00000000	42400000	10F00003	00000000	00000000	424C0000	10C80002	4544E000	4995D440	42400000
(960)	10CA0001	00000000	00000000	42400000	10CC0001	00000000	00000000	42400000	10CE0001	00000000
(1000)	00000000	42400000	10D00001	00000000	00000000	424C0000	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	108E0001	00000000	00000000	424C0000	108E0001	00000000	00000000	42400000
(1120)	10900001	00000000	00000000	42400000	10900001	00CC0000	00000000	42400000	10940001	00000000
(1160)	00000000	42400000	10960001	00000000	00000000	42400000	10980001	00000000	00000000	42400000
(1200)	109A0001	00000000	00000000	42400000	109C0001	00CC0000	00000000	42400000	109E0001	00000000
(1240)	00000000	42400000	10A00001	00000000	00000000	42400000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1360)	10820001	00000000	00000000	42400000	10840001	00CC0000	00000000	42400000	10860001	00000000
(1400)	00000000	42400000	10880001	00000000	00000000	42400000	108A0001	00000000	00000000	42400000
(1440)	108C0001	00000000	00000000	42400000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1480)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00CC0000	10C20016	00000000	10C40016	00000000
(1680)	10C60016	41200000	10C80016	00000000	10CA0016	41100000	10CC0016	00000000	10CE0016	41100000
(1720)	10D00016	41100000	10D20016	41200000	10D40016	41900000	10D60016	41C00000	10D80016	41900000
(1760)	10DA0016	42100000	10DC0016	42100000	10DE0016	41800000	10E0000B	42100000	10E2000B	41100000
(1800)	10E4000B	41800000	10E6000B	41600000	10E8000B	41400000	10EA000B	41600000	10EC000B	41500000
(1840)	10EE000B	41A00000	10F0000B	41200000	10F2000B	41100000	10F4000B	41200000	10F6000B	41500000
(1880)	10F8000B	41500000	10FA000A	41700000	10FC000A	41BC0000	10FE000A	42140000	00000000	00000000
(1920)	10A20015	00000000	10A40015	00000000	10A60015	00CC0000	10A80015	00000000	10AA0015	00000000
(1960)	10AC0015	00000000	10AE0016	00000000	10B00015	00CC0000	10B20015	42160000	10B40015	42250000
(2000)	10B60015	41D00000	10B80015	42300000	10BA0015	42500000	10BC0015	42740000	10BE0015	43138000
(2040)	10C00015	427A0000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(2200)	00000000	00000000	00000000	00000000	00000000	00CC0000	00000000	00000000	00000000	00000000
(2240)	10C30016	41300000	10D30016	41400000	10CB0016	41300000	10DB0016	41700000	10C30016	41700000

ISEE-1
D-33817
12/04/77 -12/06/77

DUMP OF TAPE X212

INPUT TAPE X212 ON MS2
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 33 77 8768BYTES

(0)	00000000	00E3D000	0152004D	0004000C	03CC9FA5	0152004D	0004000C	03CD5B0F	3001000B	411E147A
(40)	411FFFFF	10020004	453D0190	43BE352C	412B851E	41275C28	41499999	4137FFFF	413D7CA3	40FCA3D6
(80)	41423D70	41457CA3	412AE147	4148A3D6	41423D70	413FFFFF	00000000	41428F5C	4116B851	00000010
(120)	00000014	30053008	00180028	00430040	00000000	7E8286DB	00FFFFE2	00000000	00190000	00000000
(160)	00000002	1C7EC52D	07C6083D	C126F4A4	C1585E5F	411C06E3	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(320)	00000000	00000000	00000000	00030000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(360)	00000000	00000000	00000000	00030000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	10C00001	42120000	43144000	42100000	00000000	00000000	00000000	00000000
(520)	50000000	0B197000	00000719	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(560)	00000000	BDC1C5C9	CDD1D5D9	00030000	00000000	0CCC0000	00000000	00001001	00040001	00010001
(600)	00010001	00010001	00010001	00010001	00010000	0CC10001	10FC0003	42110000	42610000	42180000
(640)	10FE0003	41E00000	42460000	42180000	10E00001	41700000	42310000	42100000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(720)	10EC0003	4452B000	47B75E50	42180000	10EE0003	00000000	00000000	42180000	10F00003	44978000
(760)	4820BB20	42180003	10F20003	45402000	4957BBC0	42180000	10F40003	45E60000	4A44E280	42180000
(800)	10F60003	00000000	00000000	42180000	10F80003	45E10000	4A41EB80	42180000	10FA0003	4415E800
(840)	46A1C400	42180003	00030000	00030000	00030000	0CC00000	10C20001	42190000	43271000	42180000
(880)	10C40001	43668000	46290A40	42100000	10C60001	41100000	41100000	42100000	10C80001	41500000
(920)	42190000	42100000	10CA0001	00000000	00000000	42100000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(1000)	00000000	00000000	02200000	00000000	00000000	0CCC0000	00001000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00030000	00000000	0CC00000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	00000000	00030000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1160)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1280)	00000000	00020000	00000000	00030000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1480)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00030000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	0CC00000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1840)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	10DA0007	00000000
(1920)	00000000	00000000	00000000	00000000	10800011	0CCC0000	10820011	00000000	10840011	00000000
(1960)	10860011	00000000	10880011	00000000	108A0011	0CCC0000	108C0011	43940000	108E0011	43800000
(2000)	10900011	43840000	10920011	43CC0000	10940011	43FC0000	10960011	43E00000	10980011	44110000
(2040)	109A0011	43E00000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2240)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000

ISEE 1

SOLAR INTERPL & MAGNET. ENERG ION

77-102A-05A

This data set has been restored. There were originally five 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on a 360 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004177	DS004177	D033817	1	12/04/77 - 12/06/77
		D034029	2 - 16	11/07/77 - 01/01/78
		D035054	17 - 23	11/03/77 - 09/08/78
		D045312	24	03/22/79 - 03/22/79
		D045313	25 - 26	03/31/79 - 04/01/79

Date July 9, 1981
NSSDC ID 77-102A-05A

CDAW DATA SET ENTRY

Date Rcvd: July 9, 1981 CDB: 06

Data Sent By: J. M. Ipavich & M. Scholer

Material Rcvd: 2 tapes) 1600 bpi 9-track), documentation)

Satellite/NSRF Name: ISEE 1

Data Set Name: Solar Interpl + Magnetospheric Energetic Ions

☐ New Data Set ☒ Additions ☐ Replacements

Comments: Used previously in CDAW 4.0-named format we believe.

Time Coverage: March 22, March 31, April 1

Tapes To be Returned to: Not to be returned

Completed By: L. Headley

CON 13
CDB 6

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER

7/9/81

77-102A-05A

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: ISEE-1 HOM EXP 07		
2. Scientific Contact: Dr. F.M. Ipavich	3. Telephone No. or Telex No.: 301-454-3136	
4. Address: University of Maryland, Department of Physics & Astronomy		
5. City: College Park	6. State: MD	7. ZIP Code or Country: 20742
8. Programmer Contact		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 2	2. Tape Density: ☐ 800 bpi ☒ 1600 bpi
3. No. of Files (per tape): 1 file on first tape, 2 files on second tape	
4. No. of End of File Marks: 3	5. No. of Tracks: ☐ 7 ☒ 9
6. Recording Parity: odd	7. Make and Model of Computer Used to Generate Tape: IBM 360
8. Are tapes written in binary, coded or both? (e.g. BCD): binary	
9. What floating point representation is used? (e.g. CDC 64 bit): IBM	
10. What integer representation is used?: IBM	
11. No. of Physical Records (per file) Tape 1 - 1st file - 809 records Tape 2 - 1st file - 3177 records " - 2nd file - 454 records	
12. Are original tapes to be returned? ☐ Yes ☒ No 1	
13. Start and Stop Time of Each File (If more space is needed, please attach.) Tape 1 - 1st file: START - 22 March 1979, 6:01 STOP - 22 March 1979, 19:59 } 1st interva Tape 2 - 1st file: " 31 March 1979, 12:06 " 1 April 1979, 3:48 } 2nd interva " 2nd file: " 1 April 1979, 3:51 " 1 April 1979, 5:58 }	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

	CDB No.
Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

CDB 6
77-102A-05A
7/9/81

HOM Data Tapes for CDAW

Logical record length - 1,096 (32-bit words)

2 logical records per physical record

64 sec. averages

1096
4
4384

8768

HOM

(1)

CDB 6
77-102A-05A
2/9/81

NON-SECTORED RATES

RATES WANTED	LOCATION: WORD #
E2	854
E3	858
E4	862
M23	886
M32	894
M33	898
MB1	902
MB2	906
MB3	910

3 words per Rate

1st WORD – # OF COUNTS
2nd WORD – NOT USED
3rd WORD – Time in seconds
4th word – [illegible]

HOM

EDB6 (1)
7/9/81
77-102A-OSA

Sectored Rates

Rates Wanted	Word #
M11	561
M12	985
M13	577
M21	593
M22	609
M31	625
E1	969
LP	401
LH1	385
LH2	481
MP1	465
MP2	449
MP3	417
MA1	545
MA2	529
MA3	513
MH	369
[illegible]	953
L2	1017
	1049
	1081

8 sectors per Rate

For each sector : 2 words

1st word { 1st half word : not used
2nd " : # of spins

2nd word : # of Counts

To determine time

1) get word 14 (Spin period) and divide it by 8000.
- 1000 to convert milliseconds to seconds.
- 8 to get time per sector

2) multiply above amount by # of spins for this sector

result is # of seconds of accumulation time for this sector.

CDB6 (3)
2/9/81
77-102A-05A

Sectored Rate L2

L2 is stepped thru 32 voltage steps; we want to be able to look at voltage steps 0, 15 and 31.

For voltage steps ~~count~~ are read out per logical records. Words 935 and 936 indicate which voltage steps are stored in what fields in the record.

Therefore whenever 935 or 936 indicate that voltage step 0, 15 or 31 was accumulated, we wish to have the data available.

32-bit Word #	16 bit Word #		
935	1869	Voltage Step for L2 in Words	953 - 968
	1870	" "	1017 - 1032
936	1871	" "	1049 - 1064
	1872	" "	1081 - 1096

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: [illegible]

DATE DATA RECEIVED: 9/23/81

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	2 Mag Tapes

SATELLITE NAME/NSDF NAME: ISEE-1

EXPERIMENT NAME: _____

DATA SET FULL NAME: Solar Wind Proton

CONTACT: _____ ACQUISITION SCIENTIST: PMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: ☐ A NEW DATA SET ☐ ADDITIONS ☐ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 77-312 / 79313 C

C-21623 C-21816

REMARKS:

pink

1600 BIN 9trk 1 file
3/22/79

1600 BIN, 9trk 2 files
3/31/79, 4/1/79

DATA RECEIPT NOTIFICATION SENT? ☐

[signature]
DATA TECHNICIAN

ADP SERVICES (MACHINE SENSIBLE ONLY)

D-45313
3/31/79, 4/1/79

DUMP OF TAPE X-409

INPUT TAPE X-409 ON MT2
DATA INPUT H9 NF 2 SR 1 1 1 SR 2 1 1

FILE 1 RECORD 1 LENGTH 8768 BYTES (90 79)

(0)	00000000	03466000	005A004F	001F0003	0299845F	005A004F	001F0003	0299B339	3802001D	40B33332
(40)	411FAE14	40080004	44F40600	43BE1AA8	4129EB85	4125C28F	4147AE14	413FFFFF	413D70A3	40F0A3D6
(80)	41423D70	414570A3	3FA3D70A	4148F5C2	408A3D70	413FFFFF	00000000	41428F5C	411FAE14	0001007F
(120)	000C0014	00050008	00180028	00060004	00000002	00820201	00000002	00001845	00190000	00000000
(160)	00000002	00604F7D	02C41030	C2154214	C1264A5D	41331B57	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	00000000	00000000	00000000	FFFF0000	6F018140	070607BC	DFE8B005
(520)	1F0F8140	0801770D	81800405	00000000	00000000	00000000	00000000	00000000	00000000	61656960
(560)	7175797D	E1E5E9ED	F1F5F9FD	00000000	00000000	00000000	00000000	00010001	00040001	00010001
(600)	00010001	00010001	00010001	00010001	00010000	00010001	00000000	00000000	00000000	00000000
(640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(720)	20870001	421A0000	432A4000	42D00000	20970001	00000000	00000000	42D00000	20A70001	43B70000
(760)	4682D100	42D00000	20B70001	42BA0000	44872400	42D00000	20C70001	00000000	00000000	42D00000
(800)	20D70001	00000000	00000000	42D00000	20E70001	43690000	462B1100	42D00000	00000000	00000000
(840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	00000000	00000000	00000000	00000000	00000000	00000000	20670001	00000000	00000000	43100000
(1040)	20670001	00000000	00000000	43100000	20770001	00000000	00000000	43100000	20770001	00000000
(1080)	00000000	43100000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	20870055	00000000
(1480)	20970055	00000000	20A70055	00000000	20B70055	00000000	20C70055	00000000	20D70055	00000000
(1520)	20E70055	00000000	20F70055	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

(7640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(7760)	00000001	43790000	46393100	41200000	01E90008	44200200	4696DAC4	42100000	01E10004	436FE000
(7800)	45C57940	42100000	01C10004	421D0000	43103000	42100000	01690001	41A00000	42640000	42100000
(7840)	01E50008	4376D000	45874E90	42100000	01ED0008	42370000	431A7000	42100000	01FD0002	42340000
(7880)	43548000	42100000	01F90008	43721000	45A25210	42100000	01FD0008	42190000	42670000	42100000
(7920)	01650001	42160000	431E4000	42100000	01F50008	42730000	43707000	42100000	01F10008	41400000
(7960)	41400000	42100000	01F50002	41300000	41900000	42100000	01ED0001	43308000	45930400	42100000
(8000)	016D0001	41D00000	42A90000	42100000	01E50001	41500000	42190000	42100000	01610001	43104000
(8040)	45108100	42100000	01F90002	42BE0000	4448A000	42100000	01F10002	423B0000	436E5000	42100000
(8080)	01E10001	41E00000	42C40000	42100000	00000000	00000000	00000000	00000000	00000000	00000000
(8120)	00040005	00060003	01C10001	41100000	01C50001	00000000	01C90001	41B00000	01CD0001	41100000
(8160)	01D10002	41200000	01D50002	43380000	01D90001	00000000	01DD0001	00000000	01C10001	422E0000
(8200)	01C50001	42400000	01C90001	42440000	01CD0001	42420000	01D10002	42800000	01D50002	43290000
(8240)	01D90001	42C80000	01DD0001	42280000	01A10005	431D8000	01A90005	431AC000	01A50005	43190000
(8280)	01AD0005	431C8000	01A10006	431E4000	01A90006	4413C000	01A50006	435E0000	01AD0006	43200000
(8320)	01B10006	41500000	01B90006	41500000	01B50005	41500000	01BD0005	41800000	01B10005	41800000
(8360)	01B90005	41600000	01B50005	41800000	01BD0005	41500000	00000002	41100000	00000001	00000000
(8400)	00000001	41100000	00000001	41100000	00000001	41100000	00000001	43180000	00000002	41200000
(8440)	00000002	41100000	00000002	424C0000	00000001	42360000	00000001	423B0000	00000001	424A0000
(8480)	00000001	42460000	00000001	43128000	00000002	43160000	00000002	42440000	00000001	00000000
(8520)	00000002	41200000	00000002	41100000	00000001	00000000	00000001	00000000	00000001	431B0000
(8560)	00000001	00000000	00000001	00000000	00000001	42200000	00000002	42700000	00000002	42760000
(8600)	00000001	42420000	00000001	42420000	00000001	43128000	00000001	42D00000	00000001	42200000
(8640)	00000001	00000000	00000002	00000000	00000002	41100000	00000002	00000000	00000001	41100000
(8680)	00000001	43180000	00000001	00000000	00000001	41100000	00000001	42380000	00000002	42880000
(8720)	00000002	42900000	00000002	42A40000	00000001	42400000	00000001	43148000	00000001	42DC0000
(8760)	00000001	42260000								

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	1588	1588	8768	0	0	0	0	0	0

FORM 1473

FILE 2 RECORD 1 LENGTH 8768BYTES (91 79)

(0)	00000000	03543800	005B004F	00010004	00D3FA99	005B004F	00010004	00D42973	18010005	40B33332
(40)	411FAE14	40080004	44F40600	43BE0DCC	41299999	4125C28F	4147AE14	413FFFFF	413D70A3	40F0A3D6
(80)	41423D70	414570A3	3FA3D70A	4148F5C2	408A3D70	413FFFFF	00000000	41428F5C	411FAE14	0000007F
(120)	00100010	0005000B	00200020	0007000A	00000002	00820201	00000002	00001845	00190000	00000000
(160)	00000002	15224F1C	06C40830	C1B0A844	C1505802	C04F3BA0	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(520)	0F0541E0	0F177B09	41C00097	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(560)	00000000	E1E5E9ED	F1F5F9FD	00000000	00000000	00000000	00000000	00010001	00040001	00010001
(600)	00010001	00010001	00010001	00010001	00010000	00010001	00000000	00000000	00000000	00000000
(640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	18F70001	00000000
(840)	00000000	41F70000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

ISEE 1

ELECTRIC FIELD DATA

77-102A-06A SPMS-00481

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED FOUR 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY AND ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN ASCII. THERE ARE TWO RESTORED TAPES, THE FIRST TAPE IS BINARY AND THE SECOND TAPE IS ASCII. THE DR TAPES ARE 3480 CATRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE FOUR BINARY ORIGINAL TAPES WERE CREATED ON A PDP-11 COMPUTER AND THE ONE ASCII ORIGINAL TAPE WAS CREATED ON A PERKIN-ELMER 3220 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004255	DS004255	D032066	1-2	12/01/77 - 12/11/77
		D034067	3-17	11/10/77 - 01/01/78
		D035104	18-25	11/03/77 - 01/01/79
		D047292	26-27	03/22/79 - 03/31/79
DR004256	DS004256	D063802	1	05/11/80 - 05/11/80

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD0819	DMS

ISEE 1
ELECTRIC FIELD TAPE
77-102A-06A

This data set catalog consists of 5 magnetic tapes. The D35104, D-34067, D32066, and D47292 tapes are all 9 track, 1600 BPi, binary, multifiled and were created on a PDP-11 computer. The D63802 tape is 9 track, 1600 BPI, ASCII, contains only one file of data and was created on a Perkin-Elmer 3220 computer.

TIME SPAN IS AS FOLLOWS:

D#	C#	FILES	TIME SPAN
D-32066	C-20132	2	12/01/77 - 12/11/77
D-34067	C-20649	15	11/10/77 - 01/01/78
D-35104	C-20707	8	11/03/77 - 01/07/79
D-47292	C-22094	2	03/22/79 - 03/31/79
D-63802	C-24077	1	05/11/80

REQ. AGENT	REQ. NO.	ACQ. AGENT
LSM	V0144	DMS

ISEE 1

QUASI STATIC ELECTRIC FIELDS

77-102A-06A

This data set catalog consists of 1 tape(s). The tape(s) are 9 track, 1600 bpi, bin with 2 file(s) of data. The time span D and C numbers are as follows:

D#	C#	TIME SPAN
D-47292	C-22094	3/22/79, 3/31/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-16A

DATE DATA RECEIVED: 4/6/82

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 mag tape

SATELLITE NAME/NSDF NAME: Dial

EXPERIMENT NAME:

DATA SET FULL NAME: Inter Solar Proton Event

CONTACT: _____ ACQUISITION SCIENTIST: KRH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: KRH

THESE ARE: ☐ A NEW DATA SET ☐ ADDITIONS ☒ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: KRH 4-1972 C-22094

REMARKS:

1600, BIN, ODP, 9trk 2 files
3/22/79, 3/31/79,

3 DAU

DATA RECEIPT NOTIFICATION SENT? ☐

Tom Nanna
DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date 2/24/82

NSSDC ID 77-102A-06A

CDAW DATA SET ENTRY

Date Rcvd : _____ CDB : 06

Data Sent By : E. Mazer

Material Rcvd : 1 tape

satellite / NSRF Name : E. Field

Data Set Name : _____

☐ New Data Set ☐ Additions ☒ Replacements

Comments _____

Time Coverage : Day 81 6-19 hr; Day 90 12-24 hr

Tapes To be Returned to : _____

Completed By : Ellen Teague

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-06A

DATE DATA RECEIVED: 07/19/84

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

SOURCE: Cynthia Chiles	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 mag tape

SATELLITE NAME/NSDF NAME: ISEE 1

EXPERIMENT NAME:

DATA SET FULL NAME: ELECTRIC FIELD TAPE

CONTACT: _____ ACQUISITION SCIENTIST: EJS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: ☐ A NEW DATA SET ☑ ADDITIONS ☐ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D-63802 C-24877

REMARKS:

CDAW 5/11/80

DATA RECEIPT NOTIFICATION SENT? ☐

Hal Schneider

DATA TECHNICIAN

FORMAT OF
ISEE-MOM ANALYSED DATA TAPE
FOR THE
COORDINATED DATA ANALYSIS WORKSHOP
ON DECEMBER 11 THROUGH DECEMBER 15, 1978

by

Bengt H. Nilsson

September, 1978

Department of Plasma Physics
Royal Institute of Technology
S-100 44 STOCKHOLM 70
Sweden
Phone 08/7877692

CHAPTER 1

INTRODUCTION

The tape MSAD63.n (where n is the number of the copy from the original tape) contains data for on line use at the CDAW starting on December 11, 1978.

The format of the tape is the same as the one intended for microfiche creation and for further analysis. The data are computed from the Experimenter Raw Data Tape for ISEE-MOM using Least Square Sine Fit and by subtraction of V x B term. The Attitude/MCE tape is used to get attitude information.

For definitions of coordinate systems, see appendix.

CHAPTER 2

TAPE CHARACTERISTICS

2.1 Physical Record Size

The physical record size = 3536 bytes.

2.2 Logical Record Size

The logical record size = 3536 bytes, which means that each physical record contains exactly one logical record.

2.3 Number of Files and End-of-file Marks

The tape contains 2 files separated by 1 end-of-file mark and followed by 2 end-of-file marks.

2.4 Number of Records per File

File no. 1 contains 770 ~~738~~ records.

~~File no. 2 contains 12 records.~~

File no. 2 contains 247 records.

2.5 Number of Tracks

The number of tracks on the tape is 9.

2.6 Recording Density

The tape is recorded in ~~1600~~ 6250 bpi.

2.7 Recording Mode

The tape is recorded in PE (Phase Encoded).

2.8 Recording Parity

The tape is recorded in odd parity.

2.9 Logical Record Format

Each Record consists of one Record Header and 48 Data Groups. The total block size is 88 + 48 * 72 = 3536 bytes.

(An * in front of the item number in the format tables means that the content of the field is currently left undefined.)

2.9.1 Offset and Length

Offsets and lengths are given in bytes (8 bits long).

2.9.2 Format Field Codes

The codes in the Format column have the following meanings:

1. F = Real number in PDP-11 floating point representation. (See Floating Point Representations (4

bytes long)

2. I = Integer number in two's complement notation (1 or 2 bytes long)

3. B = Bit pattern especially defined for each occurance.

2.9.3 Byte Ordering

All words are written on the tape with high order byte before low order byte.

NOTE

This is not PDP-11 standard.

2.9.4 Fill Data

If no value can be computed for an item, a fill value is inserted. This value is = 1.0E+38 for a F*4 field, = -32767 for an I*2 field and = -1 for the two existing I*1 fields.

If a value to be inserted in an I*2 field is to big, it is replaced by the biggest possible value, ie. +32767 or -32767 (-32768 is not used).

A data group never contains only fill data, with exception of the very last record in a file, which is filled up to the full record length. The Time offset field then contains the appropriate fill value; the rest of the group is filled with zeroes.

2.10 Record Header Format

The time for the values in the header is the same as for the first data group in the record, ie. it is given by the items 1,2 and 3 in the header plus item 1 in the first data group.

Item	Offset	Length	Format	Contents
1	0	2	I*2	Year - 1900
2	2	2	I*2	Day of year
3	4	2	I*2	Hour
4	6	2	I*2	Satellite distance from earth center (unit = 0.001 earth radii)
5	8	2	I*2	Local time (unit = 0.001 hours)
6	10	2	I*2	Latitude (unit = 0.01 deg)
7	12	2	I*2	McIlwain parameter (unit = 0.1 earth radii)
*8	14	2	I*2	BSMGSM (1,1) Transformation
*9	16	2	I*2	BDMGSM (2,1) matrix from BDM
*10	18	2	I*2	BDMGSM (3,1) to GSM
*11	20	2	I*2	BDMGSM (1,2) (unit = 0.0001)
*12	22	2	I*2	BDMGSM (2,2)
*13	24	2	I*2	BDMGSM (3,2)
*14	26	2	I*2	BDMGSM (1,3)
*15	28	2	I*2	BDMGSM (2,3)
*16	30	2	I*2	BDMGSM (3,3)
*17	32	2	I*2	D x B (1) (unit = 0.0001)
*18	34	2	I*2	D x B (2)
*19	36	2	I*2	D x B (3)
20	38	2	I*2	No. of I bias values
*21	40	2	I*2	Time offset of I bias to be added to the time given by items 1,2 and 3 (unit = 0.01 seconds)
*22	42	2	I*2	I bias (unit = 0.00001 micro-amp)
*23-36	44	28		(repeat items 21-22 7 times to get 8 pairs of values)
*37	72	1	B*1	Harvey (Digital Subcom 21)
*38	73	1	B*1	Harvey (Digital Subcom 53)
*39	74	2		Spare
40	76	1	I*1	Guard filters (=0: in, =1: out)
41	77	1	I*1	Shield mode (=0: sep., =1: grounded, =2: average, =3: as =1)
42	78	2	I*2	Parameter B (unit = 0.01)

2.11 Data Group Format

Item	Offset	Length	Format	Contents
1	0	4	F*4	Time offset for this group to be added to the time given by items 1,2 and 3 in the header (seconds).
2	4	4	F*4	E-field magnitude (mv/m)
3	8	4	F*4	E-field x-comp. in BDM system (mv/m)
4	12	4	F*4	E-field y-comp. in BDM system (mv/m)
5	16	4	F*4	B-field magnitude (gamma)
6	20	4	F*4	E-field x-comp. in SSE system (=-Est) (mv/m)
7	24	4	F*4	E-field y-comp. in SSE system (=Edd) (mv/m)
8	28	4	F*4	E-field x-comp. in SSE (corrected) (mv/m) (currently equiv to item 6)
9	32	4	F*4	Standard deviation for E (Final) (mv/m)
*10	36	4	F*4	Standard deviation for E (Total) (mv/m)
11	40	4	F*4	Standard deviation for B (gamma)
12	44	2	I*2	Number of available E-values
13	46	2	I*2	Number of available B-values
14	48	2	I*2	E-field phase in BDM (unit = 0.01 deg)
15	50	2	I*2	B-field theta in GSM (unit = 0.01 deg)
16	52	2	I*2	B-field Phi in GSM (unit = 0.01 deg)
17	54	2	I*2	Filter output 1 (unit = 0.001)
18	56	2	I*2	Filter output 2 (unit = 0.001)
19	58	2	I*2	Filter output 3 (unit = 0.001)
20	60	2	I*2	A hi (unit = 0.0002 mV/m)
21	62	2	I*2	A lo (unit = 0.002 mV/m)
22	64	2	I*2	Bx in GSE (unit = 0.1 gamma)
23	66	2	I*2	By in GSE (unit = 0.1 gamma)
24	68	2	I*2	Bz in GSE (unit = 0.1 gamma)
25	70	2	I*2	=1 means that E-field component parallel to spin axis has been calculated such that E is perpendicular to B. Else =0.

2.12 Make and Model Number of Computer

The tape is created on a PDP-11/40 computer using a TE16 magnetic tape unit.

APPENDIX A

Coordinate Systems

A.1 SSE, Satellite-centered Solar Ecliptic

This system has the same orientation as GSE, the Geocentric Solar Ecliptic, but is centered in and following the satellite.

A.2 GSE, Geocentric Solar Ecliptic

Should need no further definition.

A.3 GSM, Geocentric Solar Magnetospheric

Should need no further definition.

A.4 BDM, B-local Dusk Magnetospheric

Definition of the BDM-system:

The Z(BDM) axis is along the local magnetic field, B, direction.

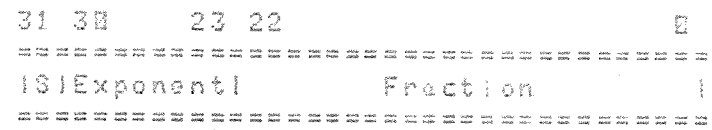
The X(BDM) axis is along the direction Y(GSM) x B.

The Y(BDM) axis is = Z(BDM) x X(BDM).

APPENDIX B

Floating Point Representation

The floating point number format is:



S = sign of fraction; 0 for positive, 1 for negative

Exponent = 8 bits for the exponent, in excess 200(8) notation

Fraction = 23 bits plus 1 hidden bit (all numbers are assumed to be normalized)

The number format is essentially a sign and magnitude representation.

B.1 Fraction

The binary radix point is to the left (in front of bit 22 of the Fraction), so that the value of the fraction is always less than 1 in magnitude. Normalization would always cause the first bit after the radix point to be a 1, such that the fractional value would be between 1/2 and 1. Therefore, this bit can be understood and need not be represented directly, to achieve an extra 1 bit of resolution.

The first bit to the right of the radix point (hidden bit) is always a 1. The next bit for the fraction is taken from bit 22 of the Fraction.

B.2 Exponent

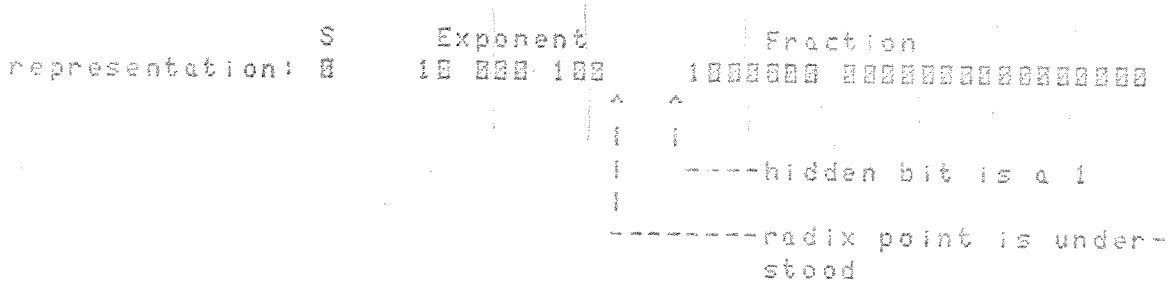
The 8-bit Exponent field (bits 30 to 23) allow exponent values between -128 and +127. Since an excess 200(8), or 128(10) number system is used, the correspondence between actual values and coded representation is as follows:

Actual Value	Representation	
Decimal	Octal	Binary
+127	377	11 111 111
+1	201	10 000 001
0	200	10 000 000
-1	177	01 111 111
-128	000	00 000 000

B.3 Example of a Number

+12(10) = +1100(2)

= +2(10)^4(10) * .11(2) [16*(1/2+1/4) = 12]



D-63802

CDAW DATA SET ENTRY

Date July 16, 1984

Date Received July 1984 CDB 7 Sent By Cynthia Cattell

Material Received 1 Magnetic Tape; CDB Tape Documentation Form;
1 page Documentation; 1-page Printout; 2-pages plots

NSSDC ID 77-102-06A (I think) ___ New X Additional ___ Replacement

NSSDC Data Set Name _____

CDAW ID I106 X New ___ Additional ___ Replacement

CDAW Data Set Name Quasi-Static Electric Fields

Time Coverage May 11, 1980 0351 - 1004

Comments: We believe this to be identical to the F. Mozer data submitted for CDAW 6, which was CN 61, originally prepared by CAW.

Tapes to be Returned to: No return, but confirm as per CDB Form when determined readable

DD Number _____ X Number _____

Initiated by Ellen Stemmer

Additional Information Supplied by _____

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name ISEE-1 Electric Field Data		
2. Scientific Contact Cynthia Cattell	3. Telephone No. or Telex No. 415-642-7569 or 642-7297 (message)	
4. Address Space Sciences Lab, Univ of California		
5. City Berkeley	6. State Ca	7. ZIP Code or Country 94720
8. Programmer Contact WINSTON TEITLER 415-642-2405 or 415-642-7297 (message)		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1	2. Tape Density ☐ 800 bpi ☑ 1600 bpi
3. No. of Files (per tape) 1	
4. No. of End of File Marks 2 (two consecutive End of File Marks following the data)	5. No. of Tracks ☐ 7 ☑ 9
6. Recording Parity ODD	7. Make and Model of Computer Used to Generate Tape PERKIN-ELMER 3220
8. Are tapes written in binary, coded or both? (e.g. BCD) CODED - ~~[redacted]~~ ASCII	
9. What floating point representation is used? (e.g. CDC 64 bit) N/A	
10. What integer representation is used? N/A	
11. No. of Physical Records (per file) File 1 (only file): 5910 Physical Records	
12. Are original tapes to be returned? ☐ Yes ☑ No * Please call Winston Teitler (8. above) to confirm that you received the tape and could read it OK. Thank you.	
13. Start and Stop Time of Each File (If more space is needed, please attach.) File 1: Start: 1980-05-11 (1980-132) 03:51 U.T. Stop: -"- -"- 10:04 -"-	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

	CDB No.
Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

Section III. Logical and Physical Record Format

Data Set Name: ISEE-1 Electric Field Data

Scientific Contact: CYNTHIA CATTELL

Physical Record Length: 80 bytes.

Logical Record Length: 80 bytes.

Logical Record Format:

Logical records contain coded values (ASCII).
All numbers are in external floating-point format.

Characters 1-8 : Time of day, in seconds. Can be read with FORTRAN format F8.0.
" 9-20 : E_z (GSE coordinates). " " " " " " F12.0.
" 21-32 : E_y " " " " " " "
" 33-44 : E_x " " " " " " "

Time is U.T.
Missing values are set to -1.0×10^{30} (-0.1000E+31).

Note. Enclosed is a dump (hexadecimal and character) of the first 10 records of the tape.

Plot of the data is also enclosed (2 separate sheets).

ISEE-1 Electric Field Data Cynthia Cattell

MAG3: WEDNESDAY, JUNE 20, 1984 AT 10:18:55

RECORD 1 80 BYTES

```
0000  2031 3338 3632 2E38 2020 302E 3439 3038 452D 3031 2020 302E 3130 3032 2020 2020 *  13862.8   0.4908E-01   0.1002    *
0020  2020 302F 3735 3633 452D 3033 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *   0.7563E-03                    ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 2 80 BYTES

```
0000  2031 3338 3632 2E38 2020 302E 3830 3436 2020 2020 2020 302E 3839 3830 2020 2020 *  13862.8   0.8046       0.8980    *
0020  202D 302E 3139 3232 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *  -0.1922                       ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 3 80 BYTES

```
0000  2031 3338 3638 2E39 2020 302E 3335 3232 2020 2020 2020 302E 3631 3438 2020 2020 *  13868.9   0.3522       0.6148    *
0020  202D 302E 3134 3937 452D 3031 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *  -0.1497E-01                   ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 4 80 BYTES

```
0000  2031 3338 3732 2E30 2020 302E 3232 3839 2020 2020 2020 302E 3235 3138 2020 2020 *  13872.0   0.2289       0.2518    *
0020  202D 302F 3339 3339 452D 3031 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *  -0.3939E-01                   ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 5 80 BYTES

```
0000  2031 3338 3735 2E30 2020 302E 3431 3432 2020 2020 2020 302E 3139 3337 2020 2020 *  13875.0   0.4142       0.1937    *
0020  202D 302E 3133 3036 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *  -0.1304                       ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 6 80 BYTES

```
0000  2031 3338 3738 2E31 2020 302E 3139 3332 2020 2020 2020 302E 3133 3533 2020 2020 *  13878.1   0.1932       0.1353    *
0020  202D 302E 3533 3338 452D 3031 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *  -0.5238E-01                   ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 7 80 BYTES

```
0000  2031 3338 3831 2E31 2020 302E 3332 3738 452D 3031 2020 302E 3132 3932 2020 2020 *  13881.1   0.3278E-01   0.1292    *
0020  2020 302E 3133 3439 452D 3031 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *   0.1349E-01                    ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 8 80 BYTES

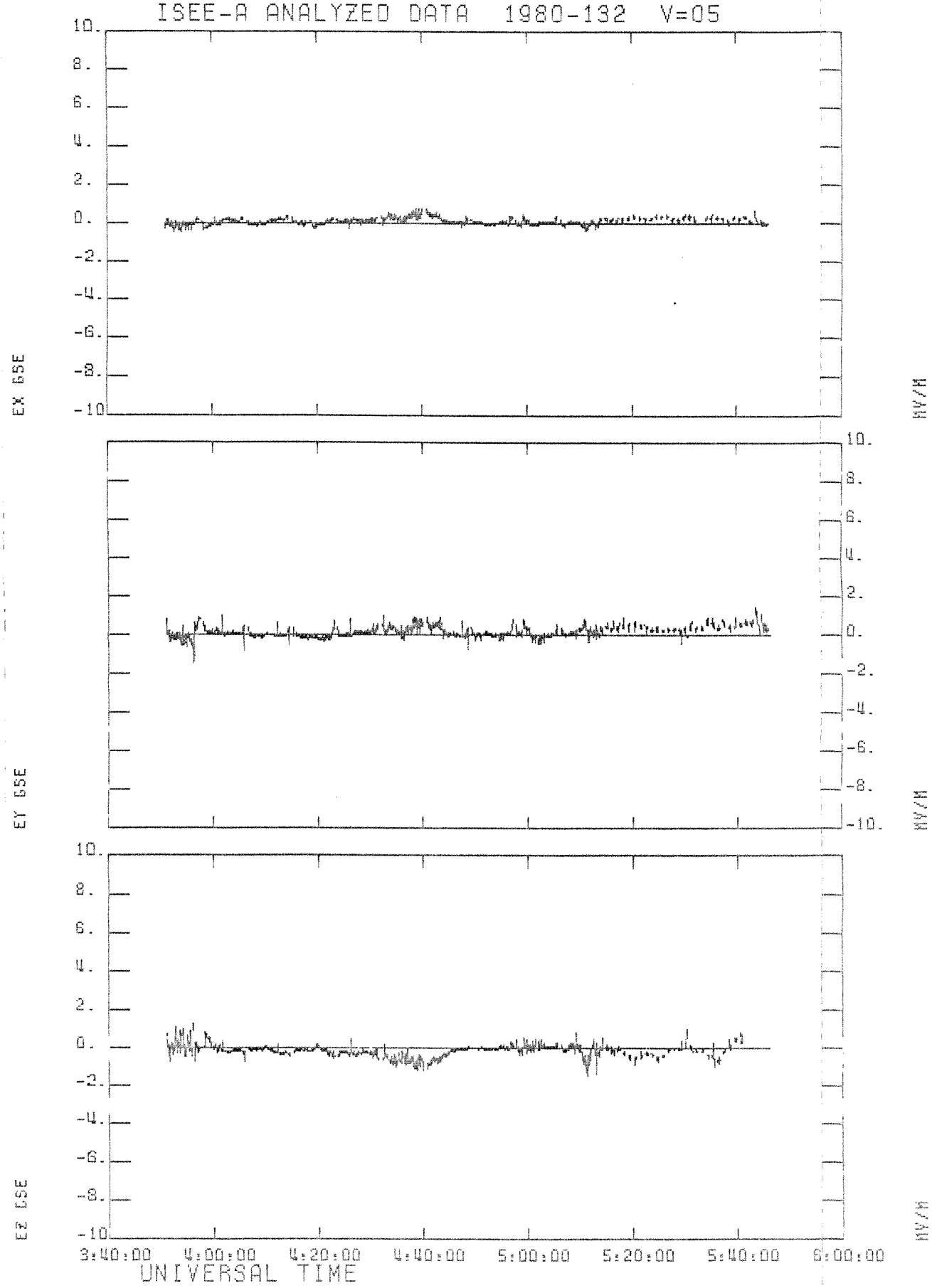
```
0000  2031 3338 3834 2E32 2020 302E 3735 3530 452D 3031 2020 302E 3137 3735 2020 2020 *  13884.2   0.7550E-01   0.1775    *
0020  2020 302E 3437 3435 452D 3032 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *   0.4745E-02                    ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

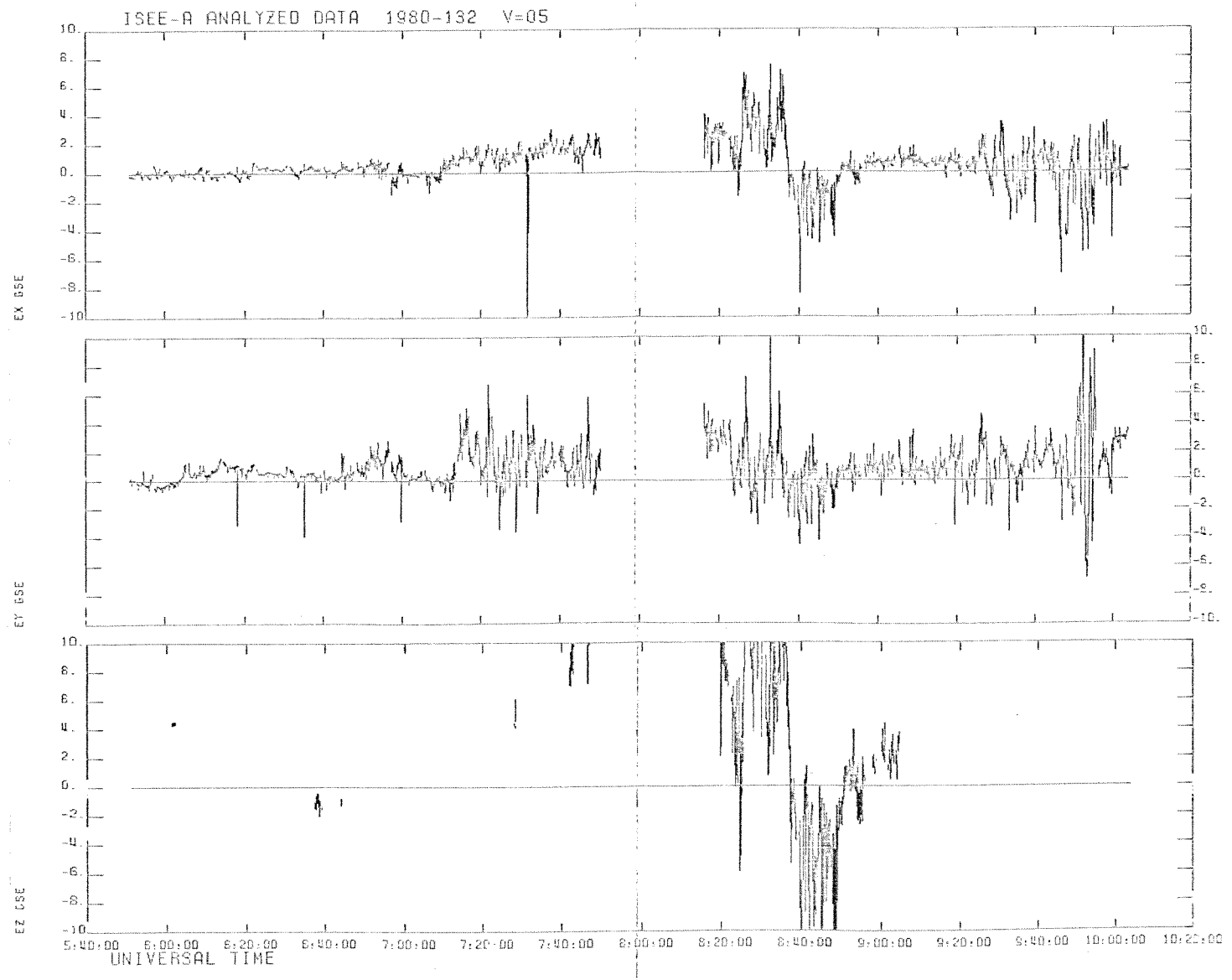
RECORD 9 80 BYTES

```
0000  2031 3338 3837 2E33 202D 302E 3130 3839 2020 2020 2020 302E 3231 3137 2020 2020 *  13887.3  -0.1089       0.2117    *
0020  2020 302E 3836 3537 452D 3031 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *   0.8657E-01                    ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```

RECORD 10 80 BYTES

```
0000  2031 3338 3930 2E33 202D 302E 3431 3530 2020 2020 2020 302E 3236 3636 2020 2020 *  13890.3  -0.4150       0.2666    *
0020  2020 302E 3231 3337 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 *   0.2137                        ***
0040  2020 2020 2020 2020 2020 2020 2020 2020                                         *                                 *
```


ISEE-A ANALYZED DATA 1980-132 V=05
EX GSE
EY GSE
EZ GSE
MV/M
10.
8.
6.
4.
2.
0.
-2.
-4.
-6.
-8.
-10.
3:40:00
4:00:00
4:20:00
4:40:00
5:00:00
5:20:00
5:40:00
6:00:00
UNIVERSAL TIME


ISEE-A ANALYZED DATA 1980-132 V=05
EX GSE
EY GSE
EZ GSE
10.
8.
6.
4.
2.
0.
-2.
-4.
-6.
-8.
-10.
5:40:00
6:00:00
6:20:00
6:40:00
7:00:00
7:20:00
7:40:00
8:00:00
8:20:00
8:40:00
9:00:00
9:20:00
9:40:00
10:00:00
10:20:00
UNIVERSAL TIME

D-47292
3/22/79, 3/31/79

DUMP OF TAPE X397

INPUT TAPE x397 ON TD3
DATA INPUT H9 NF 2 FL 2 1 1

FILE 1 RECORD 1 LENGTH 3536BYTES

(0)	004FC061	00060000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(40)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(80)	40FB0000	00000000	00000000	00000000	00000000	C091F4D8	3EDAD1A8	00000000	40501386	00000000
(120)	00000000	00000000	0000FB7C	068F02E6	00EA0000	0000009B	005FFFCF	00000000	41A6C000	00000000
(160)	00000000	00000000	00000000	C005F74E	3ED9FE68	00000000	4046B72C	00000000	00000000	00000000
(200)	0000FBD2	08B206B6	02980000	0000009A	0060FFCE	00000000	42075000	00000000	00000000	00000000
(240)	00000000	BFF696B6	3EE5BDF8	00000000	4085F6A8	00000000	00000000	00000000	0000FB18	072B0298
(280)	02490000	00000098	0062FFCE	00000000	423B5000	00000000	00000000	00000000	00000000	C0197259
(320)	3FE7456C	00000000	407E8671	00000000	00000000	00000000	0000FB67	083D0641	01D40000	00000097
(360)	0062FFCF	00000000	427F7000	00000000	00000000	00000000	00000000	BFF15876	401D7120	00000000
(400)	40515101	00000000	00000000	00000000	0000FB19	07A10249	01D40000	00000099	0060FFD0	00000000
(440)	4291B000	00000000	00000000	00000000	00000000	C032F742	3FAC7A2E	00000000	40362108	00000000
(480)	00000000	00000000	0000FB2D	088B0752	01AD0000	00000098	005FFFCF	00000000	42ABB000	00000000
(520)	00000000	00000000	00000000	BF9D910E	3FD30968	00000000	4032B74F	00000000	00000000	00000000
(560)	0000FB04	072B035B	01D40000	00000098	0060FFD1	00000000	42C5A800	00000000	00000000	00000000
(600)	00000000	BFE7EBA8	BE73409C	00000000	4071A906	00000000	00000000	00000000	0000FB4C	08640445
(640)	02BF0000	00000098	005FFFD1	00000000	42E7A800	00000000	00000000	00000000	00000000	BFE48988
(680)	400D750D	00000000	40852448	00000000	00000000	00000000	00000000	0000FAEA	07A10222	01FB0000
(720)	0060FFD2	00000000	42F99000	00000000	00000000	00000000	00000000	C03C8B0F	BF989282	00000099
(760)	40A62BC8	00000000	00000000	00000000	0000FB3E	08820530	02700000	00000099	0060FFD3	00000000
(800)	4309C800	00000000	00000000	00000000	00000000	C081BA10	C018582B	00000000	4064D07B	00000000
(840)	00000000	00000000	0000FA6D	07520249	00EA0000	0000009B	0060FFD5	00000000	4316C800	00000000
(880)	00000000	00000000	00000000	BFFDBB52	BF95CCDE	00000000	402333D5	00000000	00000000	00000000
(920)	0000FB25	08D906B6	035B0000	0000009E	0060FFD5	00000000	4327C400	00000000	00000000	00000000
(960)	00000000	C041FC40	BD42B200	00000000	400E848A	00000000	00000000	00000000	0000FA82	07520249
(1000)	01AD0000	0000009F	005EFFD6	00000000	433DC400	00000000	00000000	00000000	00000000	C0342628
(1040)	BFDD48A6	00000000	407C0C77	00000000	00000000	00000000	00000000	0000FBBD	09C3088B	03340000
(1080)	005EFFD6	00000000	433DC800	00000000	00000000	00000000	00000000	C046B09F	3FCE4028	00000000
(1120)	40613F77	00000000	00000000	00000000	0000FB5C	08B206DD	01380000	000000A0	005EFFD6	00000000
(1160)	434AC800	00000000	00000000	00000000	00000000	C003C8B6	401749EE	00000000	40926CB0	00000000
(1200)	00000000	00000000	0000FB6D	09C30A87	01FB0000	000000A0	005FFFD6	00000000	435BC800	00000000
(1240)	00000000	00000000	00000000	C0431A93	BE207FCE	00000000	406AF576	00000000	00000000	00000000
(1280)	0000FAC2	088B068F	02BF0000	000000A0	0060FFD6	00000000	4364C400	00000000	00000000	00000000
(1320)	00000000	3D9B8334	BF976A6E	00000000	4056DA7D	00000000	00000000	00000000	0000FB1C	08D9077A
(1360)	015F0000	000000A0	005FFFD7	00000000	4371C400	00000000	00000000	00000000	00000000	3F2A0400
(1400)	400C93D3	00000000	40617378	00000000	00000000	00000000	0000FAA7	07C80382	01860000	0000009F
(1440)	0060FFD7	00000000	437EB800	00000000	00000000	00000000	00000000	3CD7CCD0	3F202D40	00000000
(1480)	40807948	00000000	00000000	00000000	0000FADF	090004BA	02700000	0000009F	0060FFD6	00000000
(1520)	4387DC00	00000000	00000000	00000000	00000000	C01883CD	4004DDDB	00000000	405A58B0	00000000
(1560)	00000000	00000000	0000FA8F	072B02E6	009C0000	0000009D	0062FFD6	00000000	438C5C00	00000000
(1600)	00000000	00000000	00000000	BF8BF8B8	BEECEC28	00000000	407DEDEA	00000000	00000000	00000000
(1640)	0000FAEC	0927068F	02490000	0000009D	0063FFD6	00000000	4392DA00	00000000	00000000	00000000
(1680)	00000000	3E4C819C	3E4617B5	00000000	40607753	00000000	00000000	00000000	0000FA7C	07EF04BA
(1720)	01AD0000	0000009D	0063FFD5	00000000	43995A00	00000000	00000000	00000000	00000000	BFB42B5C
(1760)	BE34D11B	00000000	40545D7D	00000000	00000000	00000000	0000FA8F	0900068F	03A90000	0000009C
(1800)	0064FFD6	00000000	43A1DC00	00000000	00000000	00000000	00000000	BF09C020	3F97D9E8	00000000
(1840)	405E1722	00000000	00000000	00000000	0000FA6A	061A02BF	00270000	0000009B	0065FFD5	00000000
(1880)	43A65C00	00000000	00000000	00000000	00000000	BFA3FA78	C0040B80	00000000	407A623B	00000000
(1920)	00000000	00000000	0000FA9B	0900061A	02220000	0000009B	0066FFD4	00000000	43ACDC00	00000000
(1960)	00000000	00000000	00000000	C043FDAB	C0B74C30	00000000	40A4EED8	00000000	00000000	00000000
(2000)	0000FA5C	083D0445	01D40000	0000009A	0066FFD4	00000000	43B35A00	00000000	00000000	00000000
(2040)	00000000	BF481308	3D21BF9C	00000000	4053C37A	00000000	00000000	00000000	0000FB4E	08B207C8
(2080)	03F70000	00000099	0069FFD3	00000000	43BBDA00	00000000	00000000	00000000	00000000	BDDFAE68
(2120)	BDE59268	00000000	40579BFA	00000000	00000000	00000000	0000FA8C	07C803A9	015F0000	00000099
(2160)	0069FFD3	00000000	43C05400	00000000	00000000	00000000	00000000	BFA13142	BF0A875C	00000000
(2200)	40827180	00000000	00000000	00000000	0000FB56	08B204E1	02700000	0000009B	0066FFD3	00000000
(2240)	43C6D400	00000000	00000000	00000000	00000000	C08CFCB0	3FC2E4DE	00000000	4093D7F0	00000000

(2360)	0000FB4B	074E07C8	03820000	0000009C	0062FFD4	00000000	43D5D200	00000000	00000000	00000000
(2400)	00000000	BFDE409E	BF64CE1C	00000000	40555B81	00000000	00000000	00000000	0000FA96	077A0509
(2440)	01AD0000	0000009C	0062FFD5	00000000	43DA5200	00000000	00000000	00000000	00000000	BF98312C
(2480)	BECA5728	00000000	4044B4D4	00000000	00000000	00000000	0000FAC6	09000668	02E60000	0000009D
(2520)	0063FFD5	00000000	43E0D400	00000000	00000000	00000000	00000000	BFFBD1E0	3FAE3CCC	00000000
(2560)	4046F13F	00000000	00000000	00000000	0000FA2F	07C8035B	00C30000	0000009D	0062FFD5	00000000
(2600)	43E75400	00000000	00000000	00000000	00000000	BFA168AC	3FF7195C	00000000	4073AC80	00000000
(2640)	00000000	00000000	0000FAC6	08B206B6	02980000	0000009D	0061FFD5	00000000	43EFD200	00000000
(2680)	00000000	00000000	00000000	3EE64338	3FCE824C	00000000	40692DAC	00000000	00000000	00000000
(2720)	C000FA6C	075202E6	02490000	0000009D	0061FFD4	00000000	43F45200	00000000	00000000	00000000
(2760)	00000000	BF645DA8	3FBC4D78	00000000	4077EA1B	00000000	00000000	00000000	0000FAE9	09750900
(2800)	01D40000	0000009E	0061FFD6	00000000	43FAD200	00000000	00000000	00000000	00000000	3FA6E334
(2840)	3FE4292C	00000000	406ED946	00000000	00000000	00000000	0000FA26	075204E1	015F0000	0000009D
(2880)	0062FFDA	00000000	4400A600	00000000	00000000	00000000	00000000	3E5C599C	3F336C40	00000000
(2920)	4045F71F	00000000	00000000	00000000	0000FA7A	08B20641	02220000	0000009C	0060FFD9	00000000
(2960)	4404E600	00000000	00000000	00000000	00000000	BF7FC710	3F3AC174	00000000	405D790A	00000000
(3000)	00000000	00000000	0000FA47	061A035B	00EA0000	0000009A	005FFFD8	00000000	44072500	00000000
(3040)	00000000	00000000	00000000	C00472C4	3F8028EA	00000000	407E4013	00000000	00000000	00000000
(3080)	0000FB31	08B20445	02E60000	00000098	005EFFD7	00000000	440A6500	00000000	00000000	00000000
(3120)	00000000	BFA579F8	3F3B0B90	00000000	405E3E7C	00000000	00000000	00000000	0000FB15	0704041E
(3160)	00C30000	00000098	005CFFD7	00000000	440DA400	00000000	00000000	00000000	00000000	BFFF4DAC
(3200)	BE964110	00000000	40641508	00000000	00000000	00000000	0000FB9F	08B205CC	04930000	00000097
(3240)	005BFFD7	00000000	4411E600	00000000	00000000	00000000	00000000	C07EB7D9	3F204E68	00000000
(3280)	40461E29	00000000	00000000	00000000	0000FB75	06410222	01FB0000	00000098	0057FFD7	00000000
(3320)	44142600	00000000	00000000	00000000	00000000	BF8E5DD4	BE3EEC1B	00000000	403F8CB8	00000000
(3360)	00000000	00000000	0000FBE0	083D0668	02E60000	00000099	0055FFD6	00000000	44176500	00000000
(3400)	00000000	00000000	00000000	BF9C250E	BFB12EF4	00000000	4075CBBE	00000000	00000000	00000000
(3440)	0000FB3A	070401D4	01D40000	00000097	0056FFD7	00000000	441AA500	00000000	00000000	00000000
(3480)	00000000	C01824BD	4040991C	00000000	40612950	00000000	00000000	00000000	0000FB91	08640704
(3520)	02980000	00000097	0055FFD8	00000000						

FILE 1 RECORD 235 LENGTH 3536BYTES

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(120)	00000000	00000000	0000FE9C	088B077A	03340000	0000F6D8	F4730258	00000000	4657F200	00000000
(160)	00000000	00000000	00000000	C0B85528	C0A7B3C0	00000000	4083DA90	00000000	00000000	00000000
(200)	0000FEF1	094E0D6D	0B4A0000	0000F6D9	F46F0257	00000000	46582600	00000000	00000000	00000000
(240)	00000000	C108A3C8	C0A37580	00000000	40B5B6D8	00000000	00000000	00000000	0000FE91	088B077A
(280)	083D0000	0000F6D8	F46C0258	00000000	46586A00	00000000	00000000	00000000	00000000	C10A7D24
(320)	41081A88	00000000	407E118C	00000000	00000000	00000000	0000FE98	09000AAE	08D90000	0000F8C1
(360)	F3200259	00000000	46588E00	00000000	00000000	00000000	00000000	C0F26B70	C0AC5FF8	00000000
(400)	4088C588	00000000	00000000	00000000	0000FE2A	0A120704	05570000	0000F751	F409025A	00000000
(440)	4658C200	00000000	00000000	00000000	00000000	C072BD64	C0BA7580	00000000	409EE3F8	00000000
(480)	00000000	00000000	0000FE8B	0A120A87	0A600000	0000F79E	F3CD025C	00000000	4658F600	00000000
(520)	00000000	00000000	00000000	C1096C08	C0642D27	00000000	4081E2E8	00000000	00000000	00000000
(560)	0000FE07	094E0975	072B0000	0000F7E9	F395025E	00000000	46593A00	00000000	00000000	00000000
(600)	00000000	C04473F8	3FDD47FE	00000000	408C8738	00000000	00000000	00000000	0000FE87	0A390AAE
(640)	099C0000	0000F851	F351025F	00000000	46595E00	00000000	00000000	00000000	00000000	C0D4B3F0
(680)	C14B49E4	00000000	40B299A8	00000000	00000000	00000000	0000FE35	08D908B2	07EF0000	0000F6A2
(720)	F47C025F	00000000	46599200	00000000	00000000	00000000	00000000	C08BA780	C11C7684	00000000
(760)	40618514	00000000	00000000	00000000	0000FE0E	09750A39	08640000	0000F6CB	F455025D	00000000
(800)	4659C600	00000000	00000000	00000000	00000000	C0B58C50	C1096C94	00000000	4099C2E0	00000000
(840)	00000000	00000000	0000FE28	083D083D	05300000	0000F6CB	F453025D	00000000	465A0A00	00000000
(880)	00000000	00000000	00000000	3F769D34	C1055820	00000000	40A974D8	00000000	00000000	00000000
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(960)	00000000	40C78CD0	C0C87808	00000000	40924AF0	00000000	00000000	00000000	0000FED9	0900094E
(1000)	046C0000	0000F6BE	F44E025B	00000000	465A6200	00000000	00000000	00000000	00000000	C09EF558
(1040)	C11E5F30	00000000	4042F355	00000000	00000000	00000000	0000FE87	094E094E	06410000	0000F6BE
(1080)	F44A025A	00000000	465A9600	00000000	00000000	00000000	00000000	BFA45AD4	C0FFED28	00000000
(1120)	406026E3	00000000	00000000	00000000	0000FE67	0900068F	06DD0000	0000F6C0	F443025C	00000000
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(1200)	00000000	00000000	0000FE72	0A600900	07040000	0000F6C0	F43F025E	00000000	465AFE00	00000000
(1240)	00000000	00000000	00000000	C107D1E8	C155467C	00000000	40702BA4	00000000	00000000	00000000

D 32066 (DR004255)
12/1/77 → 12/11/77

REX DUMP OF jr1015

FILE 1 RECORD 1 3536 BYTES
YR 77 12/1 DAY

(0)	00[illegible]14F	000F4AB1	2223DD55	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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(80)	00000000	422435CC	C21E9F7E	4129F0D5	41FE5C07	421C427E	40D08DBA	421C427E	3FE0A767	F249F2CA
(120)	3E6C9047	0017000C	407535CD	E7F90C35	09C403DE	FC6CFE91	0018FFE2	FFBA0001	41428F5C	42268A2B
(160)	C2217C6B	4122DCA0	41FE50AC	421DE347	40BE0E00	421DE347	3FEA7EFA	F249F2CA	3DAF066F	0018000C
(200)	40C43B8F	E8730C35	0A8702E6	FE94FE73	0019FFE3	FFB80001	41C28F5C	421DB003	C2185445	412307D1
(240)	41FD129E	4215B446	40C2C18E	42158446	3F747D6D	F249F2CA	3E9D68D1	0017000C	4076366F	E80E0C35
(280)	0551[illegible]282	F988FF5B	0018FFE2	FFB80001	4211E885	421E95D2	C21978D7	411FC7CE	42010065	42178C34
(320)	42C4A366	42178C34	3F84C862	F249F2CA	3E75C30B	0018000D	409D36D7	E77B0C42	095C035B	FC6EFEF7
(360)	0018FFE1	FFB90001	42428F5C	421ED403	C218A1F7	41267211	42026FD2	421762BE	40D49894	421762BE
(400)	3F87CB7A	F249F2CA	3F1358EA	0019000C	405B36FE	E7480C35	086403F8	FE3CFEDF	0017FFE1	FFB80001
(440)	407333B3	4224DAA7	C2168409	41D508F9	42039302	421DEEE8	40F05CC6	421DEEE8	3F5760D7	F249F2CA
(480)	3E1B8973	0018000C	40163738	E7120C35	07AE030D	FEE0FE7E	0017FFE2	FF870001	4291EB85	4224AFB0
(520)	C21FAA47	41216C94	4202A0C7	421D3E64	40C5DDC0	421D3E64	3FD55E88	F249F2CA	3EB79B77	0016000C
(560)	40C53727	E7CB0C0E	07070375	FB02FEAA	0018FFE2	FFB80001	42AA3D71	42238E9C	C21E8980	4120D786
(600)	4201B790	421B6F45	408F9762	421B6F45	3FE883E8	F249F2CA	3E031470	00160000	40C136E6	E83F0C28
(640)	06B73387	FCA3FEC7	0019FFE2	FFB90001	42C28F5C	4222B237	C21D4C5E	41263DF8	42017007	421A9FDD
(680)	40C850A6	421A9FDD	3FFADF58	F249F2CA	3DF26339	0017000C	408836F7	E83C0C18	05C40513	FB30FEBC
(720)	0019FFE3	FFB90001	42DAE148	421F4305	C21A4FBC	411D8883	4201B1AB	421864F5	40C23F66	421864F5
(760)	3FC12E2E	F249F2CA	3E178021	0018000D	40B836F9	E7650C1B	07600628	FC1BFEFF	0017FFE2	FFB90001
(800)	42F53333	421EAFE3	C2198639	411DB24D	420237FC	4217CACF	40C33822	4217CACF	3FB87E95	F249F2CA
(840)	3E5E1454	0018000C	40B13708	E7770C01	077A0676	FB76FF11	0017FFE2	FF880001	4305C28F	421FD263
(880)	C21A758F	41242498	41FFE344	4217E8E0	40C8AB1C	4217E8E0	3FDF98A7	F249F2CA	3E13B620	0018000C
(920)	40[illegible]2BE0	E82A0C1B	080A642C	F0DBFEE1	0019FFE3	FFBA0001	4311EB85	4220510D	C21A3DB7	412EDD63
(960)	41FE[illegible]AEA	42181791	40DAFDA6	42181791	3F8F9A1D	F249F2CA	3E0B165F	0017000C	402236C9	E8420C1B
(1000)	0A120334	FDF1FE4F	0019FFE3	FFB80001	431E147B	4225418B	C2214CDD	410FC3F1	41F9DB53	421BD108
(1040)	4097E8F4	421BD108	3F90A181	F249F2CA	3E83758B	0018000C	41683659	E8C50C1B	0A050194	0920FE8B
(1080)	001AFFE2	FFBD0001	43DA3D71	4222A16B	C21D9A37	412081FD	42001F64	421B6A51	40C52CCE	421B6A51
(1120)	3FE818E9	F249F2CA	3E808876	00180C0C	40BC3707	E79B0C1B	0976023D	FF82FED0	0017FFE2	FFB90001
(1160)	43D85B66	42204217	C21A93E0	41D929C8	41FF44D1	421956D9	40D8574A	421956D9	3F9AE162	F249F2CA
(1200)	3E8B5328	0018000D	40585BFA	E7470C0E	095C0334	FE91FF2E	0017FFE2	FFBA0001	43428F5C	42205403
(1240)	C21A5840	412CACAB	41FD538F	421922E2	40DC61B0	421922E2	3F9D5CDF	F249F2CA	3E76B6E6	0019000C
(1280)	40383B6D	E76C0C28	08CD04C8	FE17FF3C	0017FFE2	FFBA0001	434EB852	4226E3C6	C21FD8EF	413FDFF3
(1320)	41FC1F9A	421ECE21	40F97AE4	421ECE21	3F60D818	F249F2CA	3E6EC118	0018000C	3FCA36AF	E7B10C1B
(1360)	08340B0D	FEACFEC9	0019FFE2	FFB80001	435AE148	42292A8D	C2244CAE	412123B7	41FCFAB8	42208C2E
(1400)	40B[illegible]694	42208C2E	40021868	F249F3CA	3DF5509E	0015000C	40EE36C0	E8570C01	084A01EF	FEFAFE97
(1440)	0[illegible]FFE3	FFB80001	43570A3D	4225FF23	C220ED20	4122DAEC	41FA6D8B	421D043D	408C1538	421D043D
(1480)	3FDCAA58	F249F2CA	3DC1E21F	0016000C	40C436A1	E8A20C01	07460405	0063FECA	0019FFE3	FFBC0001
(1520)	437[illegible]333	4223D285	C21DD10E	417FC1ED	41F8094D	421A06FD	40D0D02E	421A05FD	40003772	F249F2CA
(1560)	3E4[illegible]5FC	0018000C	403C266E	E91D0C3F	07530412	FB12FEBB	001AFFE3	FFBD0001	437F5C29	4222C3FD
(1600)	C21[illegible]234	41310595	41FF3E7D	4218C0A5	40D1BDCC	4218C0A5	3F829D20	F249F2CA	3EED5DB5	0018000D
(1640)	402F364D	E9380C28	07B80530	FF78FF14	001BFFE3	FFBD0001	4385C28F	4220B3B2	C21B4EAF	41252763
(1680)	41F[illegible]CCF	4217F0C9	40C92126	4217F0C9	3FBA24BB	F249F2CA	3E27D89D	0019000C	407F36B9	E8B60C1B
(1720)	0[illegible]57	FF0DFECD	001AFFE3	FFB80001	4388D70A	42239874	C21D6004	4132BB8C	41F95FC8	42194032
(1760)	42D[illegible]5A	42194032	3FB867CD	F249F2CA	3E4A87F9	0018000C	401F367D	E9880C42	09350582	FDA2FEAB
(1800)	001[illegible]E4	FFBD0001	43918B85	4224EFF7	C21E5144	4139097D	41F3C35F	421972A8	40DA66D2	421972A8
(1840)	3FD[illegible]F8	F249F2CA	3B9997AD	0018000C	3FF3363C	EA080C42	09D10375	FB28FEA0	001CFFE4	FFBF0001
(1880)	4[illegible]3020	421F9DA4	C21A11F6	4128D548	41F31A8C	4214DC5D	40B9CC7C	4214DC5D	3F930D51	F249F2CA
(1920)	3E[illegible]3C9	00100000	4055[illegible]5EB	E99A0D1F	07EF024A	01B4FF1F	0018FFE3	FFBF0001	439E147B	4224F265
(1960)	C21[illegible]57E	41310F3B	41FC3D7A	421A8147	40D07EE8	421A8147	4003B81A	F249F2CA	3EEF2283	0018000C
(2000)	403[illegible]6E	E9830C42	002A02A5	F8D1FE9D	001CFFE3	FFBC0001	43A428F6	422280C1	C21C8A98	412E72A2
(2040)	41F[illegible]310	4217C17F	40CA10FE	4217C17F	3FCF99A9	F249F2CA	3F60CC1E	0018000D	403B3641	E9B40C42
(2080)	002A[illegible]300	FD01FEED	001CFFE4	FFBE0001	43AA3D71	42224E3B	C21BC3CC	4136724C	41F8AE0D	4215D862
(2120)	40D[illegible]35E	4215D862	3F9A0986	F249F2CA	3ED4716F	0019000C	3FF03634	EAC20C42	08570405	FEBDFEB0
(2160)	001[illegible]E5	FFBE0001	4380518B	4226A49C	C2202438	41333926	41F36CAC	421A841E	40C92598	421A841E
(2200)	3F9[illegible]8BF	F249F2CA	3E582960	0018000C	403535DC	E9E10C42	07E20257	FD09FEC5	001CFFE3	FFC00001

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( 2320)   C227C1E7  41273302  41F83245  421A432A  40B5DACC  421A432A  3FE78DB8  F249F2CA  3E8BA2DF  0016000C
( 2340)   40A2054E  EA890C35  0EDE2387  FC77F8C5  001DFFE5  FFBE0001  43C28F5C  421FD1E2  C21A71B1  412468C8
( 2400)   41FA6515  42157B6B  40BD8654  42157B6B  3FC3929E  F249F2CA  3E909C50  00180000  407E36A3  E9D60C1B
( 2440)   0746D530  F9C7FF1E  001CFFE4  FFBC0001  43C8A3D7  4220A4F2  C21B91D5  41203BD0  41FCCC21  4217982F
( 2480)   40B73CFA  4217982F  3FC8E09D  F249F2CA  3EAFB8C2  0018000D  40AC3713  E9300C28  07FC05B2  FC4EFF05
( 2500)   0M1AFFE4  FF880001  43CEB052  421F70C3  C21A7846  411ED293  41FA7B1B  42180B8E  408F1D1C  42180B8E
( 2580)   3FC7C082  F249F2CA  3E5D2F71  00170000  40AE35AC  E7B80C0E  07E205E6  FB8BFF03  0018FFE2  FFBC0001
( 2600)   40D4CCCD  421F330A  C2198E46  41255085  41F5A42A  421778C5  40C4BF6A  421778C5  3FE015D2  F249F2CA
( 2640)   3FB05D0A  00180000  406FD61E  E7A80C1B  008C0460  FDA5FEE8  0018FFE1  FFBE0001  43DAE148  421E250D
( 26M0)   C21B64DE  41291229  41F75798  42163122  40C95972  42163122  3FCCF1CC  F249F2CA  3E90906E  0017000C
( 2720)   404035EC  E7860C28  0A120387  FE11F883  0018FFE0  FF8E0001  43E0F5C2  42263C69  C222D548  4105DA1B
( 2760)   41FFA09E  421D2882  40E09134  421D2882  3F836EAB  F249F2CA  3DD21C68  00180000  41C7360E  E83A0C28
( 2800)   09FC4128  0C72FE8D  0018FFE1  FFBE0001  43E70A3D  4221FFD9  C21C83DB  41290ACD  41F3A30A  4217F67A
( 2840)   40BD142C  4217F67A  4005054E  F249F2CA  3E910EDD  00180000  406835B9  E8E80C1B  09900230  FF14FEB1
( 2880)   0061AFFE2  FF8F0001  43ED1E88  4220F481  C21AE4E9  412F05F0  41F80A34  42178EAD  40CE9F28  42178EAD
( 2920)   3F9B88E1  F249F2CA  3E40A016  00180000  4027360A  E0840C28  09760300  FE64FF28  001AFFE2  FFBE0001
( 2960)   43F13333  4221C2D8  C2184ACE  41050094  41F73438  4218A41D  40D88958  4218A41D  3F9F8C32  F249F2CA
( 3000)   3E2851C8  00190000  3FF325C4  E84D0C1B  087E04A3  FE13FF2B  0019FFE1  FFBE0001  43F947AE  4225F6A5
( 3040)   C21F747B  4138160F  41F88E23  421D7FEC  40DF2D2E  421D7FEC  3F9CB521  F249F2CA  3ECF4B64  00180000
( 3080)   4006D5E5  E78F0C28  0B4A030D  FE1FFF07  0019FFE0  FFBD0001  43FF5C29  42244B90  C21F39DE  4121FC74
( 3120)   41FF8360  421CC0CC  408E1E32  421CC0CC  3FD9069F  F249F2CA  3DD7E719  00150000  408D363D  E7650C1B
( 3160)   07FC82B2  FEEFFECD  001AFFE0  FFBB0001  44028852  42254BFC  C2203288  4122F6A2  41FAC5CE  421CD109
( 3200)   40B7284A  421CD109  3FE58667  F249F2CA  3E89369D  00160000  40BD35D7  E7D20C0E  07120420  0095FECA
( 3240)   0019FFE0  FFBD0001  4405C28F  4222D9D6  C21CB1D9  4131697A  41FD9164  4218B441  40D00958  4218B441
( 3280)   4003FE52  F249F2CA  3FD36B37  00170000  402A3616  E9280C49  07050530  FD81FE9A  0018FFE2  FFBC0001
( 3320)   4408CCCD  42235977  C21E8F7A  411F0F57  4201A2DF  4218225C  4084E89C  4218225C  3F98300F  F249F2CA
( 33M0)   3E9E4328  0018000C  40CF374E  EA0B0C1B  07C8057E  0526FEE9  001DFFE5  FFB90001  440BD70A  42272827
( 3400)   C2210BA3  412B3358  41FE8074  42198717  40C282CE  42198717  3FD852B3  F249F2CA  3E9AEF68  0019000D
( 3440)   40843727  EBFE0C1B  0822054A  FF98FEA1  001FFFE8  FFBB0001  440EE148  4228268E  C222372F  41311EE9
( 34M0)   41EA3ED6  42195D03  40879DE4  42195D03  3FCD22AE  F249F2CA  3F48EB33  00180000  40593558  EB1B0C35
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HEX DUMP OF 1:1015

FILE 1 RECORD 770 3536 BYTES

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(   80)   48558950  42178E44  C208A851  41630E24  42F3F31B  41F5D0D6  414F38BF  41F5D0D6  3FC662CF  F249F2CA
(  120)   415A45ED  0018000C  3C4ED90D  D3400858  09140976  FA34FF03  FFB9FF54  FF0E0001  465BE9F4  42182FC2
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(  200)   3CD73D6F  CD8909DE  095C0987  F29DFE7D  FFA7FF84  FF2E0001  465C1A98  42179270  C20E9073  414DE55B
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(  360)   FFB6FF72  FF650001  465C7EE0  42229EBA  C21E6A58  4112F5C2  42A13DA5  420A61F4  40DD672A  420A61F4
(  400)   3FDAD562  F249F2CA  40F2DA71  00180000  413638BF  CD3F0B8C  0A7A0712  F359FE06  FFB6FF9D  FF610001
(  440)   465CAC83  4239E7C6  C2308482  41648852  42B9FABF  4208F5BC  41392B9D  4208F5BC  3F8D176C  F249F2CA
(  480)   414ADC03  0015000C  3F517768  C60C9DA  06DA0A46  F745FF89  FF86FFA8  FF4F0001  465CDD27  425AA365
(  520)   C2485C3E  416E064F  42F29D00  42001D5D  41622138  42001D5D  3FB10399  F249F2CA  40FC0735  00180000
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(  600)   42EF33C7  42095B35  41606453  42096B35  3F97BE1E  F249F2CA  409A396F  000E000D  3DC335CB  C9CF0A57
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(  1920)  408E7C0A  00600031  FBBC0CE0  31370B95  08850638  355004DA  FFAB003C  00F40001  45DDC1E8  422D1F14
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(  2040)  42D00901  42273C97  C17623A6  42273C97  4004E855  F249F2CA  40AB2970  00600030  FBE80FE5  340106B6
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(  2160)  FFAB0044  00CB0001  45DE25BF  42330059  4232A062  C0394DAC  42856C9D  421A0E32  C0FD2326  421A0E32
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(  2280)  40D98917  00610030  FDF80EF6  31420B95  08F40635  38FA055A  FF9D0050  00EE0001  45DEE84E  4269D70B
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(  2520)  FFC20024  00A40001  45E00C25  424C8A24  424B996A  CC9CB945  42BA6053  422D00D7  C12D2201  422D00D7
(  2560)  3FD8EA93  F249F2CA  40AB9BA1  00600031  FDDA0EDE  350C0B78  09550509  34A20307  FF990035  00CA0001
(  2600)  45E06D6D  423F5FB6  423D2BD8  C0E79CB6  42AD7B7D  4225EA55  C13CFC29  4225EA55  40355094  F249F2CA
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(  2680)  424348CE  C0FC4140  42BC0447  422728CF  C1513B35  422728CF  401CDC19  F249F2CA  401C8DE4  00610030
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          FILE    INPUT     DATA RECORDS      MAX.          READ ERROR SUMMARY          INPUT RETRIES
                  RECS.        INPUT          SIZE       PERM  ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
              2     247        248            3536          0      0       2      0       4       4

  EOJ        DUMP STOPPED AFTER FILE   2          # OF PERMANENT READ ERRORS  0

 START TIME 10/26/78  10:30:49        STOP TIME 10/26/78  10:31:43

$$
$REW LO
```

ISEE 1

VLF ELECTRIC SPECTRUM ANALYZER DATA

77-102A-07A SPMS-00277

This data set has been restored. There were originally 3 Binary 7-Track, 800 BPI tapes. There is one restored tape. The DR tape and DS tape is 9-Track, 6250 BPI. The tapes were created on a UNIVAC 418 computer. The DR and DS number along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR01696	DS01696	D32374	1	12/01/77 - 12/12/77
		D34027	2	11/07/77 - 01/01/78
		D35051	3	11/03/77 - 01/01/79

The University of Iowa
Iowa City, Iowa 52242

Department of Physics and Astronomy
(319) 353-4343

18 October 1978

Dr. James I. Vette
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

Dear Jim:

Enclosed is one digital magnetic tape for the Coordinated Data Analysis Workshop which contains the electric spectrum analyzer data from the Gurnett Plasma Wave Experiment on ISEE-1. This tape contains the data for 20 parameters of the electric field measured by our experiment on ISEE-1, namely the electric field intensity in 20 narrow-band channels from 5.6 Hz to 311 kHz. The data is in the form of an 8-bit data number which is roughly proportional to the logarithm of the field intensity. We are presently preparing the look-up tables which will allow you to convert directly from data number to field strength. We have thrown out all data points whenever either the data quality flags indicate bad data or known sources of interference pollute the data. All the remaining data is given to you at a rate of once per second. This tape contains 123150 sets of logical records which will require 2.460 million bytes of storage exclusive of time information.

I have also enclosed the required documentation plus dumps of the first and last records. By the end of this week I intend to have completed the three additional tapes we will be sending you: the ISEE-1 magnetic spectrum analyzer, the ISEE-2 electric spectrum analyzer and the IMP-J electric field data.

If you have any questions, please let me know at 319-353-3569.

Sincerely,

Roger R. Anderson

Enclosures
cc: D. A. Gurnett

D-35051
11/03/77 - 11/07/79

DUMP OF TAPE X-411

INPUT TAPE X-411 ON MS6
DATA INPUT 07 FL 1 1 1

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(96)	573015415672	572370752701	572362575126	572374160335	572363606155	572352005174	572355652451	572356101022
(144)	207464000000	211466000000	217451462230	216612340CCC	574053645723	573355563107	573331273135	573322140355
(192)	573312675701	573300430601	573260727606	573217435433	573202074175	573145034675	573110146461	573037207307
(240)	573007461754	572362644327	572361620167	572373514174	572363606155	572350537042	572352161543	572353471303
(288)	207464000000	211466000000	217451464230	216612360CCC	574050217336	573366665251	573350756220	573352242147
(336)	573356753411	573314334127	573300241011	573245725234	573213472625	573170465202	573130013076	573062050653
(384)	573025640400	572376457751	572372307246	572375023431	572362516717	572347760422	572346045751	572347665073
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(1104)	573050212374	573010466477	572370040246	572374160335	572363160154	572350537042	572352523047	572354624626
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(2112)	573023236125	572375147116	572366016607	572374526704	572362516717	572347760422	572346524050	572350763103
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FILE 1 RECORD 4359 LENGTH 2736BYTES

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(1104)	573066440447	573055435205	573106373775	573072033427	573055255744	573033462657	572375412503	572361226507	
(1152)	207474000000	203700000000	220636645520	221605632CCC	574075130374	574072642644	574026737016	573356446475	
(1200)	573320104057	573305710350	573254055043	573207234410	573157161354	573153535217	573155572062	573127634127	
(1248)	573122132001	573105155461	573111550310	573070753617	573052062423	573027574634	572371477656	572356431617	
(1296)	207474000000	203700000000	220636646514	221605634CCC	574112571015	574057472636	574024741134	573364476111	
(1344)	573337427670	573301472776	573262457746	573210030552	573200111703	573203002015	573211562557	573157711074	
(1392)	573146423663	573130665265	573110100514	573072033427	573047734753	573030772717	572371477656	572355046314	
(1440)	207474000000	203700000000	220636647510	221605636CCC	574112571015	574100326234	574022245727	574002660565	
(1488)	573332744012	573303563563	573273064571	573213200546	573203173671	573176524673	573176441507	573144712044	
(1536)	573133072732	573113470425	573105027530	573070753617	573053013260	573033462657	572375412503	572357215100	
(1584)	207474000000	203700000000	220636650510	221605640CCC	574130042575	574115074537	574022245727	574005655715	
(1632)	573337427670	573302515111	573265304522	573210657405	573176043734	573171160505	573165004657	573130661164	
(1680)	573113657760	573073661574	573103713732	573070753617	573054435114	573033462657	572374337702	572364145017	
(1728)	207474000000	203700000000	220636651510	221605642CCC	574145473374	574072642644	574007147171	573344014044	
(1776)	573300735272	573270607270	573246566466	573205775732	573175371752	573174454277	573203253755	573146123401	
(1824)	573126021041	573104230677	573105027530	573070753617	573057214561	573032242211	573000073273	572365616535	
(1872)	207474000000	203700000000	220636652510	221605644CCC	574152402074	574115074537	573372115056	573336163776	
(1920)	573314130021	573264214370	573251106566	573213200546	573174674164	573171160505	573167723044	573144712044	
(1968)	573122132001	573100203752	573106373775	573070753617	573056175515	573027574634	572376636537	572361226507	
(2016)	207474000000	203700000000	220636653510	221605646CCC	574145473374	574061504740	573366166415	573343473127	
(2064)	573270621611	573253434226	573237423304	573214615211	573213472625	573211045615	573176441507	573147710010	
(2112)	573133072732	573114251375	573113212067	573070753617	573053013260	573026371247	572372474234	572356431617	
(2160)	207474000000	203700000000	220636654510	221605650CCC	574123451465	574046613413	573366166415	573344477617	
(2208)	573272577064	573254615734	573242413722	573227064471	573227170742	573232477063	573203253755	573146123401	
(2256)	573126702406	573112543725	573120063470	573070753617	573047734753	573025036460	572371477656	572355046314	
(2304)	207474000000	203700000000	220636655510	221605652CCC	574142674346	574040612625	573357432143	573352242147	
(2352)	573256004453	573234050257	573216775333	573201573723	573205140455	573206026677	573166515010	573147363112	
(2400)	573116725220	573064133136	573121233112	573070753617	573053013260	573027574634	572375412503	572357206727	
(2448)	207474000000	203700000000	220636656510	221605654CCC	574132015433	574061504740	573357432143	573333276264	
(2496)	573252672005	573245437254	573233627620	573231170467	573225741535	573244122436	573227776535	573202402410	
(2544)	573156417420	573122015634	573127711427	573072033427	573054435114	573030772717	573000073273	572362610053	
(2592)	207474000000	203700000000	220636657510	221605656CCC	574130042575	574064650741	574030230004	573376161217	
(2640)	573332744012	573271451111	573233627620	573201573723	573136667077	573120321375	573124755212	573115151711	
(2688)	573106634633	573052345253	573124127476	573070753617	573057214561	573030772717	573000073273	572365616535	

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	4359	4360	2880	0	0	0	0	0	0

```
(  2784)   573075656117   573057567647   573044472791   573051051154   573011211516   573014111111   573011111111   573011111111   573011111111
(  2832)   572365074012   572347430432   572352003640   573022676021   572365600574   572351270646   572344102614   572337334353

FILE      1  RECORD     3786  LENGTH      432BYTES
(     0)   207470000000   201400000000   220765435324   221447552000   574116455354   574012316405   573266166417   573174326076
(    48)   573112075666   573062577764   573063460441   573051712476   573045144513   573041570413   573051674206   573047016163
(    96)   573064764535   573015326473   572357507301   572365010311   572360075463   572361522051   572371477656   572356731034
(   144)   207470000000   201400000000   220765436324   221447554000   574103604552   573356535547   573245362622   573151511000
(   192)   573127725216   573074523634   573061131622   573051712476   573034261106   573023420755   573021306557   573043551777
(   240)   573071663053   572376457751   572357507301   572366516364   572360075463   572360354120   572367101514   572356101022
(   288)   207470000000   201400000000   220765437324   221447556000   574072312200   573300115335   573227656546   573163425324
(   336)   573122467566   573064525640   573053460513   573041026203   573030506552   573020207746   573033364173   573042062152
(   384)   573026404754   572362644327   572361620167   572366100265   572360627304   572357511333   572367101514   572357215100

          FILE   INPUT     DATA RECORDS      MAX.          READ ERROR SUMMARY          INPUT RETRIES
                 RECS.       INPUT           SIZE       PERM  ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
             1    3786      3787             2880         0      0       0      0       0       0

EOJ        DUMP STOPPED AFTER FILE    1          # OF PERMANENT READ ERRORS   0

START TIME 07/16/79  11:28:04        STOP TIME 07/16/79  11:30:56
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$$
$AVR CI 8
```

ISEE-1

VLF Magnetic Spectrum Ana. Data

77-102A-07B SPMS-00427

This data set has been restored. There were originally 3 7-track, 800 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tapes were created on a Univac 418 computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03561	DS03561	D32667	1	12/01/77 - 12/12/77
		D34028	2	11/07/77 - 01/01/78
		D35052	3	11/03/77 - 01/07/79

NOTE: Time spans not in sequential order

REQ.AGENT	RAND NO.	ACQ. AGENT
VJP	RD1111	MJT

ISEE 1

VLF Magnetic Spectrum Analyzer

77-102A-07B

This data set catalog consists of 3 data tapes. The tapes are 800 BPI, binary, 7 track and contain 1 file of data. The tapes were created on an UNIVAC 418 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-32667	C-20255	12/01/77 - 12/12/77
D-34028	C-20640	11/07/77 - 01/01/78
D-35052	C-20672	11/03/77 - 01/07/79

The University of Iowa
Iowa City, Iowa 52242

Department of Physics and Astronomy
(319) 353-4343

2 November 1978

Dr. James I. Vette
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

Dear Jim:

Enclosed is another digital magnetic tape for the Coordinated Data Analysis Workshop which contains the magnetic spectrum analyzer data from the Gurnett Plasma Wave Experiment on ISEE-1. The tape contains the data for 14 parameters of the magnetic field measured by our experiment on ISEE-1, namely the magnetic field intensity in 14 narrow-band channels from 5.6 Hz to 10 kHz. The data is in the form of an 8-bit data number which is roughly proportional to the logarithm of the field intensity. We are presently preparing the look-up tables which will allow you to convert directly from data number to field strength. We have thrown out all data points whenever either the data quality flags indicate bad data or known sources of interference pollute the data. All the remaining data is given to you at the rate of once per second. This tape contains 148282 sets of logical records which will require 2.076 million bytes of storage exclusive of disk information.

I have also enclosed the required documentation plus dumps of the first and last records. I am still working on the two additional tapes we will be sending you: the ISEE-2 electric spectrum analyzer and the IMP-J field data.

If you have any questions, please let me know at (319) 353-3[illegible]

Sincerely,

Roger R. Anderson

RRA/kg
ISEE Corres
cc: D. A. Gurnett

Gurnett CDAW Tape 2 (ISEE-1 MSA)

I. Logical Record Description

Each logical record consists of 18 UNIVAC 418 Integer words (18 bits each). The identification of each word follows:

WORD	IDENTIFICATION
1	Year of data (modulo 100) (77 = 1977)
2	Day of Year (1 = January 1)
3	Seconds of day
4	Logical Record Number (modulo 131072)
5	5.6 Hz Magnetic Spectrum Analyzer (MSA) data
6	10.0 Hz " "
7	17.8 Hz " "
8	31.1 Hz " "
9	56.2 Hz " "
10	100. Hz " "
11	178. Hz " "
12	311. Hz " "
13	562. Hz " "
14	1.00 kHz " "
15	1.78 kHz " "
16	3.11 kHz " "
17	5.62 kHz " "
18	10.0 kHz " "

In words 5 through 18, only the low order 8 bits are meaningful. The upper 10 bits are zeroes and can be neglected. The 8-bit data words are roughly proportional to the logarithm of the magnetic field intensity. Later, when it is available we will provide look-up tables which will allow you to convert directly from DN (data number) to magnetic field strength (γ). The data are averaged over 1 second intervals in time.

II. Tape Characteristics

1. Physical Record Size: 360 18-bit words
2. Logical Record Size: 18 18-bit words
3. Number of files: 1

   Number of end-of-file marks: 2
4. Number of records: 148282 logical records
5. Number of tracks: 7
6. Recording density: 800 BPI
7. Recording mode: Binary
8. Recording parity: Odd
9. Logical Record Format. See (I.) above
10. Make and Model of Computer Used to Produce the Tape:

    UNIVAC 418-III Computer

    UNIVAC UNISERVO-VI C Tape Drives

D-35052
11/03/77 - 11/07/79

DUMP OF TAPE X-407

INPUT TAPE X-407 ON MS6
DATA INPUT 07 FL 1 1 1

FILE	1 RECORD	1 LENGTH	2160BYTES					
(0)	207464000000	211463000000	217634402420	201400000000	575204306276	575057321056	574323362617	574206441013
(48)	574157260155	574061514713	573373455617	573353541532	573325352626	573310057410	573302267357	573274006306
(96)	573307655001	573275302176	207464000000	211463000000	217634412414	202400000000	575277560157	575052465702
(144)	574327544125	574177106314	574135201324	574034431435	573373455617	573351210320	573356325447	573312407131
(192)	573277736637	573272155626	573312372513	573270237023	207464000000	211463000000	217634422414	202600000000
(240)	575264146427	575025675140	574316717530	574210651122	574154130667	574034431435	573375513414	573351210320
(288)	573325352626	573310057410	573302267357	573274006306	573307655001	573270237023	207464000000	211463000000
(336)	217634432410	203400000000	575303442213	575141073227	574324723677	574266213446	574141277731	574030072617
(384)	573373455617	573351210320	573327700062	573312407131	573302267357	573275547016	573307655001	573270237023
(432)	207464000000	211463000000	217634442410	203500000000	575312117637	575043416465	574320357013	574213003667
(480)	574141277731	574040530555	573371267203	573351210320	573322637447	573305352565	573302267357	573274006306
(528)	573307655001	573270237023	207464000000	211463000000	217634452404	203600000000	575255045355	575115122656
(576)	574310117472	574166440162	574130640100	574030072617	573375513414	573346476074	573327700062	573312407131
(624)	573304454452	573272155626	573307655001	573275302176	207464000000	211463000000	217634462404	203700000000
(672)	575320252333	575025675140	574333535504	574215064424	574154130667	574034431435	573373455617	573370355406
(720)	573332067146	573310057410	573277736637	573274006306	573307655001	573270237023	207464000000	211463000000
(768)	217634472404	204400000000	575272122600	575052465702	574333535504	574235065255	574141277731	574030072617
(816)	573373455617	573353541532	573325352626	573312407131	573302267357	573274006306	573312372513	573275302176
(864)	207464000000	211463000000	217634502400	204440000000	575152455774	575103317217	574316717530	574210651122
(912)	574130640100	574034431435	573375513414	573351210320	573332067146	573312407131	573302267357	573274006306
(960)	573307655001	573275302176	207464000000	211463000000	217634512374	204500000000	575257330254	575062435131
(1008)	574335406267	574235065255	574150632414	574053363101	573373455617	573351210320	573327700062	573312407131
(1056)	573302267357	573274006306	573307655001	573275302176	207464000000	211463000000	217634522374	204540000000
(1104)	575213653522	575023022306	574320357013	574177106314	574150632414	574034431435	573373455617	573351210320
(1152)	573322637447	573310057410	573277736637	573272155626	573307655001	573270237023	207464000000	211463000000
(1200)	217634532370	204600000000	575231237625	575056724304	574316717530	574231727747	574141277731	574050064272
(1248)	573377440457	573343545206	573325352626	573305352565	573302267357	573274006306	573307655001	573275302176
(1296)	207464000000	211463000000	217634542370	204640000000	575213653522	575103317217	574327544125	574230207407
(1344)	574162263753	574040530555	573373455617	573346476074	573332067146	573310057410	573277736637	573274006306
(1392)	573307655001	573270237023	207464000000	211463000000	217634552364	204700000000	575277560157	575062435131
(1440)	574324723677	574204147447	574130640100	574034431435	573371267203	573346476074	573361261705	573314573343
(1488)	573277736637	573272155626	573307655001	573275302176	207464000000	211463000000	217634562364	204740000000
(1536)	575251152302	575115122656	574326247377	574217104344	574141277731	574034431435	573371267203	573346476074
(1584)	573361261705	573310057410	573277736637	573272155626	573307655001	573270237023	207464000000	211463000000
(1632)	217634572360	205400000000	575275372043	575033203572	574324723677	574210651122	574141277731	574034431435
(1680)	573371267203	573346476074	573361261705	573312407131	573304454452	573274006306	573312372513	573270237023
(1728)	207464000000	211463000000	217634602360	205420000000	575213653522	575023022306	574306255164	574160014551
(1776)	574141277731	574034431435	573371267203	573346476074	573361261705	573310057410	573277736637	573274006306
(1824)	573307655001	573275302176	207464000000	211463000000	217634612354	205440000000	575303442213	575116031043
(1872)	574324723677	574201560445	574135201324	574034431435	573371267203	573346476074	573361261705	573310057410
(1920)	573277736637	573272155626	573307655001	573270237023	207464000000	211463000000	217634622354	205460000000
(1968)	575170227672	575001367067	574310117472	574210651122	574141277731	574040530555	573375513414	573346476074
(2016)	573325352626	573310057410	573302267357	573274006306	573312372513	573270237023	207464000000	211463000000
(2064)	217634632350	205500000000	575200357345	575025675140	574274141115	574154342547	574135201324	574040530555
(2112)	574026710734	573346476074	573325352626	573310057410	573277736637	573272155626	573307655001	573275302176

FILE	1 RECORD	6229 LENGTH	324BYTES					
(0)	207474000000	203700000000	220636655510	221746442000	575111015065	574340717651	574233760215	574150455751
(48)	574145154535	574050064272	574006051026	573355722741	573332067146	573316633055	573306514747	573275547016
(96)	573314721764	573275302176	207474000000	203700000000	220636656510	221746444000	575102222074	574333477236
(144)	574233760215	574140020560	574141277731	574061514713	574006051026	573355722741	573334124626	573320561634
(192)	573306514747	573275547016	573307655001	573275302176	207474000000	203700000000	220636657510	221746446000
(240)	575102222074	574340717651	574306255164	574154342547	574141277731	574050064272	574002554567	573353541532
(288)	573325352626	573312407131	573304454452	573277214453	573312372513	573275302176		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#

D-34028
11/07/77 - 1/01/78

INPUT TAPE X-411 ON MS6
DATA INPUT 07 FL 1 1 1

FILE 1 RECORD 1 LENGTH 2160BYTES

(0)	207464000000	211467000000	221477160132	201400000000	575053146372	574325606026	574237626044	574125702653	
(48)	574135201325	574034431435	574014212312	573361710216	573332067146	573310057411	573302267357	573272155627	
(96)	573307655002	573275302176	207464000000	211467000000	221477160531	202400000000	575063340777	574317152453	
(144)	574237626044	574140020561	574130640101	574034431435	573377440457	573346476075	573327700063	573312407131	
(192)	573302267357	573272155627	573307655002	573275302176	207464000000	211467000000	221477161131	202600000000	
(240)	575053146372	574317152453	574237626044	574140020561	574130640101	574030072620	573373455620	573353541532	
(288)	573325352625	573312407131	573302267357	573274006307	573307655002	573275302176	207464000000	211467000000	
(336)	221477161531	203400000000	575053146372	574325606026	574233760215	574150455752	574135201325	574034431435	
(384)	573373455620	573346476075	573325352625	573312407131	573302267357	573272155627	573307655002	573275302176	
(432)	207464000000	211467000000	221477162131	203500000000	575063340777	574336247535	574223312317	574140020561	
(480)	574135201325	574034431435	573375513414	573353541532	573327700063	573312407131	573302267357	573272155627	
(528)	573307655002	573275302176	207464000000	211467000000	221477162531	203600000000	575063340777	574325606026	
(576)	574223312317	574140020561	574130640101	574034431435	573375513414	573343545207	573325352625	573310057411	
(624)	573302267357	573272155627	573307655002	573275302176	207464000000	211467000000	221477163131	203700000000	
(672)	575063340777	574322443070	574233760215	574133150113	574130640101	574040530556	573373455620	573343545207	
(720)	573325352625	573310057411	573302267357	573274006307	573307655002	573275302176	207464000000	211467000000	
(768)	221477163532	204400000000	575053146372	574322443070	574237626044	574133150113	574135201325	574034431435	
(816)	573375513414	573346476075	573325352625	573310057411	573302267357	573272155627	573312372513	573275302176	
(864)	207464000000	211467000000	221477164131	204440000000	575053146372	574325606026	574233760215	574144363435	
(912)	574130640101	574034431435	573375513414	573346476075	573327700063	573312407131	573302267357	573272155627	
(960)	573307655002	573275302176	207464000000	211467000000	221477164530	204500000000	575042232114	574322443070	
(1008)	574237626044	574150455752	574130640101	574030072620	573373455620	573353541532	573325352625	573310057411	
(1056)	573302267357	573272155627	573307655002	573275302176	207464000000	211467000000	221477165130	204540000000	
(1104)	575042232114	574317152453	574233760215	574133150113	574135201325	574030072620	573373455620	573351210320	
(1152)	573327700063	573310057411	573302267357	573274006307	573312372513	573275302176	207464000000	211467000000	
(1200)	221477165530	204600000000	575042232114	574322443070	574227651766	574140020561	574130640101	574034431435	
(1248)	573377440457	573353541532	573325352625	573312407131	573302267357	573274006307	573312372513	573275302176	
(1296)	207464000000	211467000000	221477166130	204640000000	575042232114	574322443070	574223312317	574140020561	
(1344)	574130640101	574034431435	574002554570	573361710216	573336051570	573310057411	573302267357	573274006307	
(1392)	573312372513	573275302176	207464000000	211467000000	221477166530	204700000000	575042232114	574322443070	
(1440)	574233760215	574154342550	574135201325	574030072620	573371267203	573353541532	573325352625	573312407131	
(1488)	573302267357	573274006307	573312372513	573275302176	207464000000	211467000000	221477167130	204740000000	
(1536)	575042232114	574333477236	574233760215	574154342550	574135201325	574040530556	573375513414	573353541532	
(1584)	573327700063	573312407131	573302267357	573272155627	573312372513	573275302176	207464000000	211467000000	
(1632)	221477167530	205400000000	575042232114	574330604226	574237626044	574140020561	574130640101	574034431435	
(1680)	574002554570	573346476075	573325352625	573312407131	573302267357	573274006307	573307655002	573275302176	
(1728)	207464000000	211467000000	221477170130	205420000000	575053146372	574330604226	574233760215	574133150113	
(1776)	574130640101	574034431435	573377440457	573353541532	573325352625	573312407131	573302267357	573272155627	
(1824)	573312372513	573275302176	207464000000	211467000000	221477170527	205440000000	575053146372	574330604226	
(1872)	574227651766	574140020561	574130640101	574030072620	573375513414	573351210320	573327700063	573310057411	
(1920)	573302267357	573272155627	573307655002	573275302176	207464000000	211467000000	221477171127	205460000000	
(1968)	575053146372	574330604226	574233760215	574133150113	574135201325	574044406020	574033414210	573351210320	
(2016)	573325352625	573312407131	573302267357	573274006307	573307655002	573275302176	207464000000	211467000000	
(2064)	221477171527	205500000000	575042232114	574322443070	574237626044	574154342550	574130640101	574034431435	
(2112)	573377440457	573351210320	573327700063	573310057411	573302267357	573274006307	573312372513	573275302176	

FILE 1 RECORD 4334 LENGTH 1512BYTES

(0)	207470000000	201400000000	220765422330	221522412000	575073070256	574345576716	574265054506	574171452131	
(48)	574145154536	574044406020	573375513414	573357764042	573346047564	573320561634	573306514747	573275547017	
(96)	573312372513	573275302176	207470000000	201400000000	220765423330	221522414000	575073070256	574350005313	
(144)	574271732551	574206441014	574145154536	574050064272	573375513414	573353541532	573327700063	573312407131	
(192)	573302267357	573274006307	573312372513	573275302176	207470000000	201400000000	220765424326	221522416000	
(240)	575063340777	574352147171	574271732551	574210651123	574145154536	574040530556	574002554570	573351210320	
(288)	573332067146	573314573343	573302267357	573277214453	573312372513	573275302176	207470000000	201400000000	
(336)	220765425326	221522420000	575063340777	574371072023	574271732551	574201560446	574145154536	574040530556	
(384)	573377440457	573351210320	573327700063	573314573343	573302267357	573275547017	573312372513	573275302176	
(432)	207470000000	201400000000	220765426326	221522422000	575073070256	574367352762	574276302142	574174333632	
(480)	574145154536	574044406020	573375513414	573353541532	573327700063	573312407131	573304454453	573275547017	
(528)	573312372513	573275302176	207470000000	201400000000	220765427326	221522424000	575073070256	574350005313	

(672)	575073070256	574340717651	574302400447	574171452131	574[illegible]1277732	574040530556	573375513414	573355722741
(720)	573325352625	573312407131	573306514747	573275547017	573[illegible]2372513	573275302176	207470000000	201400000000
(768)	220765431326	221522430000	575073070256	574350005313	5742[illegible]054506	574163307515	574141277732	574040530556
(816)	573377440457	573353541532	573327700063	573312407131	573304454453	573274006307	573312372513	573275302176
(864)	207470000000	201400000000	220765432330	221522432000	575073070256	574356246262	574243312530	574150455752
(912)	574141277732	574040530556	573377440457	573353541532	573327700063	573312407131	573306514747	573275547017
(960)	573312372513	573275302176	207470000000	201400000000	220765433326	221522434000	575073070256	574356246262
(1008)	574246602700	574163307515	574141277732	574034431435	573377440457	573353541532	573334124627	573314573343
(1056)	573304454453	573274006307	573312372513	573275302176	207470000000	201400000000	220765434324	221522436000
(1104)	575063340777	574372560473	574271732551	574171452131	574141277732	574053363102	573375513414	573353541532
(1152)	573327700063	573312407131	573310435202	573275547017	573312372513	573275302176	207470000000	201400000000
(1200)	220765435324	221522440000	575073070256	574362114075	574302400447	574160014551	574145154536	574040530556
(1248)	573377440457	573351210320	573332067146	573314573343	573304454453	573277214453	573312372513	573275302176
(1296)	207470000000	201400000000	220765436324	221522442000	575063340777	574372560473	574324723677	574210651123
(1344)	574141277732	574034431435	573373455620	573357764042	573332067146	573312407131	573304454453	573275547017
(1392)	573312372513	573275302176	207470000000	201400000000	220765437324	221522444000	575063340777	574350005313
(1440)	574300361103	574177106315	574145154536	574056510543	573375513414	573353541532	573334124627	573316633055
(1488)	573304454453	573275547017	573312372513	573275302176				

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	4334	4335	2160	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 07/16/79 10:33:24 STOP TIME 07/16/79 10:36:10

$$

ISEE 1

VLF ELECTRIC SPECTRUM ANALYZER DATA 07A

VLF MAGNETIC SPECTRUM ANALYZER DATA 07B

77-102A-07A,B

This data set has been restored. There was originally 1 ASCII 9-Track, 6250 tape. There is one restored tape. The DR and DS tape is 9-Track, 6250 BPI. The tape was created on an 11/780 computer. The DR and DS number along with the corresponding D number and the time span are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR01697	DS01697	D73802	18	01/28/83 - 06/28/83

DATE: 5/20/86

NSSDC ID: 77-102A-07A/07B

P.I.: D.A. GURNETT

CDAW DATA SET ENTRY

DATE RECEIVED: 5/15/86

DATA SENT BY: DR. ROGER ANDERSON UNIV IOWA

PARTICIPANT: _____

MATERIAL RECEIVED: SPAN QUEST. SPAN DOC FORM, LETTER OF INTRO. MAIL MESS. 1-9trk 6250 bpi tape

SATELLITE/NSDF NAME: _____

CDAW DATA SET MNEMONIC: I10B

CDAW DATA SET NAME: ISEE-1 Plasma Wave Experiment (Spot 4.)

AIM FILE DATA SET NAME: _____

CDAW NEW DATA SET ADDITIONS REPLACEMENTS

AIM FILE NEW DATA SET (ADDITIONS) REPLACEMENTS

COMMENTS: _____

TIME COVERAGE: _____

TAPES TO BE RETURNED TO: _____

RECEIVED BY: Leah Latwood

FROM: NSSDC::NSSDC 1-APR-1986 09:25
TO: IOWASP::ANDERSON
SUBJ:

COORDINATED DATA BASE 8 (CDB-8) QUESTIONAIRE
(PLEASE RETURN BY MARCH 10, 1986)

NAME: ROGER R. ANDERSON
TELEPHONE: 319-353-3369
ADDRESS: UNIVERSITY OF IOWA, DEPARTMENT OF PHYSICS AND ASTRONOMY,
615 VAN ALLEN HALL, IOWA CITY, IOWA 52242
TELEX (CARRIER, NUMBER, ANSWER BACK): WESTERN UNION TWX, 910-525-1398,
U OF I PHYSICS
TELENET ADDRESS:-----
SPAN ADDRESS (NODE NAME::ACCOUNT NAME):IOWASP::ANDERSON
IOWA::ANDERSON
TELEMAIL:-----

1. I WISH TO PARTICIPATE (Y/N):Y

2. DO YOU WISH TO REMAIN ON THE DISTRIBUTION LIST? (YES/NO):YES

3. THE AREA OF INTEREST WITH WHICH I WOULD LOGICALLY AFFILIATE IS (PLEASE GIVE FIRST(F) AND SECOND(S) CHOICE IF APPROPRIATE BY WRITING THE LETTER IN FRONT OF THE CHOICE; GIVE CHOICE NAME FOR 'OTHER')

1. SOLAR WIND	2. WAVES
3. MAGNETIC FIELD	4. PARTICLES
5. ELECTRIC FIELD	6. MODEL/THEORY
7. PLASMA	

CHOICE(S) (1,3,...):: F2. WAVES, S7. PLASMA
OTHER::

4. I CAN SEND MY DATA TO NSSDC BY (DATE): APRIL 7, 1986

ON TAPE, OR ELECTRONICALLY USING THE NETWORK: ELECTRONICALLY USING SPAN (WE ESTIMATE THIS WILL REQUIRE AT LEAST 30 HOURS OF TRANSFER TIME. WE WOULD PROBABLY WANT TO DO IT IN 18 SHORTER SEGMENTS.)

IT IS HIGHLY DESIRABLE FOR NSSDC TO RECEIVE DATA BY MARCH 15. PLEASE NOTE THAT NSSDC WILL ASSIST IN AVERAGING, COORDINATE TRANSFORMATIONS,ETC.; THE IMPORTANT STEP IS TO SEND THE DATA WITH DOCUMENTATION NOW.

5. THE CDAW 8 PLANNING COMMITTEE HAS SELECTED THE FOLLOWING INTERVALS FOR STUDY. PLEASE INDICATE, NEXT TO EACH TIME INTERVAL, THE TIME PERIODS FOR WHICH YOU WILL SUPPLY DATA.

EVENT	TIME INTERVAL	I WILL SUPPLY DATA FOR THE TIME INTERVAL:
A	28 JAN. 1983 0400-1100 UT	28 JAN. 1983 83-028 0400-1100 UT
B	25 MAR. 1983 0500-1400 UT	25 MAR. 1983 83-084 0500-1400 UT

C	12 APR. 1983 0600-1200 UT	12 APR. 1983 83-102 0600-1200 UT
D	26 MAR. 1983 0000-0600 UT	26 MAR. 1983 83-085 0035-0600 UT
E	4 JUNE 1983 0500-1000 UT	4 JUNE 1983 83-155 0510-1000 UT
F	27-28 JUNE 1983 1500-0300 UT	27-28 JUNE 1983 83-178,179 1500-0300 UT

6. I WILL FOLLOW THE ATTACHED CDB GUIDELINES IN SUBMITTING THE FOLLOWING DATA SETS:

SPACECRAFT/ GROUND ST.	EXPERIMENT	PRINCIPAL INVESTIGATOR	# PARAMETERS FOR CDB	TOTAL DATA PTS.FOR CDB	IDENTICAL FORMAT?
A] ISEE 1	PLASMA WAVE	D.A. GURNETT	20 14 128	ESA:2,016,000 MSA:1,411,200 SFR:100,864	NO: (1) ESA (2) MSA (3) SFR
[THE ELECTRIC SPECTRUM ANALYZER (ESA) HAS 20 CHANNELS FROM 5.6 HZ TO 311 KHZ WHICH ARE SAMPLED 4 TIMES PER SECOND IN HIGH BIT RATE. THE MAGNETIC SPECTRUM ANALYZER (MSA) HAS 14 CHANNELS FROM 5.6 HZ TO 10 KHZ WHICH ARE SAMPLED 4 TIMES PER SECOND IN HIGH BIT RATE. THE SWEEP FREQUENCY RECEIVER (SFR) HAS 128 CHANNELS FROM 100 HZ TO 399 KHZ WHICH ARE SAMPLED ONCE EVERY 32 SECONDS. EACH OF THESE THREE RECEIVERS WILL THUS REQUIRE A DIFFERENT CDB FORMAT.]					
B] ISEE 1	PLASMA WAVE	D.A. GURNETT	20 14 128	ESA:648,000 MSA:453,600 SFR:129,664	(1) ESA (2) MSA (3) SFR
[IN LOW BIT RATE THE ESA AND MSA CHANNELS ARE SAMPLED ONCE PER SECOND. THE CDB FORMATS WILL STILL BE THE SAME AS FOR THE HIGH BIT RATE CASES.]					
C] ISEE 1	PLASMA WAVE	D.A. GURNETT	20 14 128	ESA:432,000 MSA:302,400 SFR:86,400	(1) ESA (2) MSA (3) SFR
D] ISEE 1	PLASMA WAVE	D.A. GURNETT	20 14 128	ESA:390,000 MSA:273,000 SFR:78,080	(1) ESA (2) MSA (3) SFR
E] ISEE 1	PLASMA WAVE	D.A. GURNETT	20 14 128	ESA:348,000 MSA:243,600 SFR:69,632	(1) ESA (2) MSA (3) SFR
F] ISEE 1	PLASMA WAVE	D.A. GURNETT	20 14 128	ESA:864,000 MSA:604,800 SFR:172,800	(1) ESA (2) MSA (3) SFR

7. DATA AVERAGING: IN CONSIDERATION OF THE SIZE OF THE RESULTING DATABASE AND TO ENSURE THAT ALL DATA CAN BE LOADED, IT IS SUGGESTED THAT THE MAXIMUM (HIGHEST) TIME RESOLUTION BE 1-MINUTE DATA, AND HIGHER RESOLUTION DATA BE LOADED WHERE APPROP ATE. NSSDC WOULD PREFER TO RECEIVE YOUR DATA WITH THE

TIME RESOLUTION THAT YOU NORMALLY HAVE/USE AND WILL PERFORM AVERAGES TO YOUR SPECIFICATIONS. (SEE THE CDB GUIDELINES PAGE 1, WITH PARTICULAR REFERENCES TO ITEMS 3, 4 AND 6.)
I WILL WANT NSSDC TO PERFORM TIME AVERAGING AND WILL ENCLOSE MY SPECIFICATIONS WITH THE DATA (YES/NO): YES
I WANT MY DATA SET(S) TO BE LOADED WITHOUT ANY AVERAGING (YES/NO): NO
IF SO, MY BASIC TIME RESOLUTION IS:

8. DATA MANIPULATION: IF YOU WISH TO HAVE SPECIAL DATA MANIPULATION FUNCTIONS OR SUBROUTINES ADDED TO THE SYSTEM THAT ARE EXTENSIVE AND MAY BE IMPRACTICAL TO CONSTRUCT IN REAL TIME, THESE SHOULD BE RECEIVED AS SOON AS POSSIBLE (PREFERABLY IN FORTRAN).
I WILL BE SUBMITTING DATA MANIPULATION CODE FOR INCORPORATION INTO THE SYSTEM (YES/NO): YES
IF SO, THESE WILL BE SENT BY (DATE): APRIL 25, 1986.

9. I SUGGEST THAT A SPECIAL EFFORT BE MADE TO OBTAIN THE FOLLOWING DATA SETS: KP, DST, AE, AND GROUND MAGNETOGRAMS FOR THE FEW MONTHS COVERED BY THE TOTAL INTERVAL PERIOD PLUS A WEEK OR SO BEFORE THE BEGINNING.

10. TO ASSIST NSSDC IN PLANNING SUPPORT AND FUTURE DEVELOPMENT FOR CDAW-8 PLEASE COMPLETE THIS SURVEY.

REMOTE ACCESS VIA:
SPAN:IOWASP::ANDERSON
IOWA::ANDERSON
TELENET:
MODEM:
OTHER (SPECIFY):

TYPE(S) OF TERMINAL(S) AVAILABLE (EG. TEKTRONIX 4014, VT100 WITH GRAPHICS BOARD, VT240,...):VT240,VT100 WITH GRAPHICS,TEKTRONIX 4010/4014

TYPE OF PC/SOFTWARE COMMUNICATIONS PACKAGE YOU MIGHT USE FOR ACCESS TO CDAW SYSTEM (EG. MACINTOSH/TEKALIKE,...):KERMIT

GRAPHICS SOFTWARE AVAILABLE AT LOCAL NODE (EG. TEMPLATE, NCR,...):
HOMEBREW (DERIVED FROM CALCOMP ROUTINES)

OTHER COMMERCIAL SOFTWARE PACKAGES YOU MIGHT USE WITH CDAW DATA AT YOUR LOCAL NODE (EG. IDL,...):IDL

11. PLEASE FORWARD COPIES OF THE WORKSHOP ANNOUNCEMENT TO ANY INDIVIDUAL WHO YOU FEEL MAY BE INTERESTED AND ASK THEM TO SUBMIT THIS QUESTIONAIRE TO NSSDC BY MARCH 10, 1986.
OUR ADDRESS IS:

MS. LEAH GATEWOOD.
CDAW 8
CODE 633
NASA GODDARD SPACE FLIGHT CENTER
GREENBELT, MD 20771
U.S.A.

TELEPHONE: (301)-344-6818 FTS: 344-6818
SPAN ADDRESS: NSSDC::GATEWOOD TELEX: 89675 NSCUM GBLT

The University of Iowa

Iowa City, Iowa 52242

Department of Physics and Astronomy

(319) 353-4343

1847

May 9, 1986

Ms. Leah Gatewood
CDAW 8
Code 633
NASA Goddard Space Flight Center
Greenbelt, MD 20771

Dear Leah:

Enclosed is one 6250 BPI magnetic computer tape containing the six files of ISEE 1 Electric and Magnetic Spectrum analyzer data we are submitting for the CDAW 8 workshop. The tape was produced on our VAX 11/780 using the VAX Files 11 Format. I have already sent you the correct format for reading the files. The block sizes listed on the enclosed directory sheet are tape blocks which I understand are about 2000 bytes. Thus the number of 512 byte data blocks are about four times the number of tape blocks listed. I cannot tell you the exact number because there is some small amount of tape handling information included as overhead on the tapes.

Please let me know when you have successfully read the tape or if you have any problems with it. We are now working on the ISEE 2 and on the ISEE 1 Sweep Frequency Receiver data tapes.

Sincerely,

Roger R. Anderson

```
Directory MFA0:[]

ICA83028.DAT;1        16440  (RWED,RWED,RWED,RWED)
ICA83084.DAT;1         5298  (RWED,RWED,RWED,RWED)
ICA83085.DAT;1         2984  (RWED,RWED,RWED,RWED)
ICA83102.DAT;1         3100  (RWED,RWED,RWED,RWED)
ICA83155.DAT;1         2099  (RWED,RWED,RWED,RWED)
ICA83178.DAT;1         5320  (RWED,RWED,RWED,RWED)

Total of 6 files, 35241 blocks.
```

FROM: IOWASP::ANDERSON 29-APR-1986 10:16
TO: NSSDC::GATEWOOD,IOWASP::ANDERSON
SUBJ: COAM-8 MSG #0

DATE: APRIL 29, 1986
TO: LEAH GATEWOOD
FROM: ROGER R. ANDERSON

FOLLOWING THIS MAIL MESSAGE I WILL TRANSMIT FOUR ADDITIONAL MAIL MESSAGES FOR COAM-8. THREE OF THEM ARE ABOUT THE DATA WE HAVE READY FOR YOU AND THE FOURTH IS TO ADD D. A. GURNETT'S NAME AS A PARTICIPANT. I HAVE HAD VERY LITTLE SUCCESS WITH "NSSDC" YESTERDAY OR TODAY. EVERYTHING SEEMED TO RUN SO SLOWLY YESTERDAY THAT I HAD TO EXIT BEFORE GETTING ANYTHING ACCOMPLISHED. TODAY I CAN NOT EVEN GET LOGGED ON. PLEASE LET ME KNOW WHEN YOU HAVE EXTRACTED ANY OF OUR DATA FILES AND I WILL THEN PUT MORE ON LINE.

BEST REGARDS, //ROGER R. ANDERSON

FROM: IOWASP::ANDERSON 29-APR-1986 10:17
TO: NSSDC::GATEWOOD,IOWASP::ANDERSON
SUBJ: CDAW-8 MSG #1

FROM: NSSDC::NSSDC 1-APR-1986 12:19
TO: IOWASP::ANDERSON
SUBJ:

DOCUMENTATION FORM FOR ELECTRONIC SUBMISSION SECTION I

1. SPACECRAFT/GROUND STATIONS:ISEE 1

2. EXPERIMENT NAME:GURNETT PLASMA WAVE EXPERIMENT (EXPERIMENT 4)

3. DATA SET NAME:ELECTRIC AND MAGNETIC SPECTRUM ANALYZER DATA

4. SCIENTIFIC CONTACT:ROGER R. ANDERSON AND D. A. GURNETT

5. TELEPHONE/TELEX NO: [ANDERSON] PHONE 319-353-3369; TWX 910-525-1398
[GURNETT] PHONE 319-353-3527; TWX 910-525-1398

6. SPAN/TELENET ADDRESS: [ANDERSON] IOWASP::ANDERSON AND IOWA::ANDERSON
[GURNETT] IOWASP::GURNETT AND IOWA::GURNETT

7. ADDRESS:THE UNIVERSITY OF IOWA, DEPARTMENT OF PHYSICS AND ASTRONOMY, 615 VAN ALLEN HALL (FOR ANDERSON)
715 VAN ALLEN HALL (FOR GURNETT)

8. CITY:IOWA CITY

9. STATE:IOWA

10. ZIP CODE OR COUNTRY:52242

11. PROGRAMMER CONTACT:TERRY AVERKAMP

12. TELEPHONE/TELEX NO:PHONE 319-353-7252; TWX 910-525-1398

13. SPAN/TELENET ADDRESS:IOWASP::AVERKAMP

FROM: IOWASP::ANDERSON 29-APR-1986 10:19
TO: NSSDC::GATEWOOD,IOWASP::ANDERSON
SUBJ: CDAW-8 MSG #2

FROM: NSSDC::NSSDC 1-APR-1986 12:20
TO: IOWASP::ANDERSON
SUBJ:

\ DOCUMENTATION FORM FOR ELECTRONIC SUBMISSION \ SECTION-II

1. NO OF DATA FILES: THREE EACH FOR EACH OF THE SIX INTERVALS FOR A TOTAL OF EIGHTEEN. ONLY FILES FOR THE ELECTRIC AND MAGNETIC SPECTRUM ANALYZER DATA FOR ISEE 1 ARE READY NOW. THE FILES FOR THE ISEE 1 SWEEP FREQUENCY RECEIVER DATA AND THE ISFE 2 ELECTRIC SPECTRUM ANALYZER DATA WILL BE READY LATER THIS WEEK. AS YOU WILL SEE IN THE DOCUMENTATION AT THE END OF THIS QUESIONAIRE, WE HAVE COMBINED THE ELECTRIC SPECTRUM ANALYZER DATA AND THE MAGNETIC SPECTRUM ANALYZER (MSA) FROM ISEE 1 INTO A SINGLE FILE. THEY WERE LISTED AS SEPARATE FILES IN THE FIRST CDB-8 QUESTIONAIRE. THE SECOND FILE IN EACH INTERVAL WILL BE FOR THE SFR DATA FROM ISEE 1. THE ADDITIONAL FILE IS FOR THE ISEE 2 ELECTRIC SPECTRUM ANALYZER DATA. THE ISEE 2 SPECTRUM ANALYZER HAS 16 CHANNELS FROM 5.6 HZ TO 31.1 KHZ. IT IS CONNECTED TO THE LONG ELECTRIC ANTENNA FOR THESE INTERVALS AND THE CHANNELS ARE SAMPLED 4 TIMES PER SECOND IN HIGH BIT RATE (INTERVAL A) AND ONCE PER SECOND FOR THE REMAINING INTERVALS. THIS LAST FILE IS FROM THE PLASMA WAVE EXPERIMENT ON ISFE 2 AND D. A. GURNETT IS THE PRINCIPAL INVESTIGATOR.

BECAUSE OF A LARGE NUMBER OF USERS AND LIMITED DISK SPACE, WE CAN NOT PUT ALL OF THE FILES ON AT ONCE. PLEASE LET R.R. ANDERSON (IOWASP::ANDERSON) KNOW WHEN YOU HAVE SUCCESSFULLY EXTRACTED ANY ONE FILE AND WE WILL THEN DELETE IT AND ADD ANOTHER. THIS PROCESS OF HAVING ONLY A FEW FILES AVAILABLE AT A TIME MAY ONLY BE NECESSARY FOR INTERVAL A BECAUSE IT IS SO LARGE DUE TO THE HIGH BIT RATE.

2. FULL DATA FILE NAME (NODE::DEVICE:[DIRECTORY]FILE NAME.TYPE:VERSION) — 3. SIZE(# 512 BLOCKS)

A.	IOWASP::DISK$1:[001200]ICALT83028.DAT;1	62,805 BLOCKS
B.	IOWASP::DISK$1:[001200]ICALT83084.DAT;1	20,239 BLOCKS
C.	IOWASP::DISK$1:[001200]ICALT83102.DAT;1	APPROX. 13,750 BLOCKS
D.	IOWASP::DISK$1:[001200]ICALT83085.DAT;1	APPROX. 12,400 BLOCKS
E.	IOWASP::DISK$1:[001200]ICALT83155.DAT;1	APPROX. 11,080 BLOCKS
F.	IOWASP::DISK$1:[001200]ICALT83178.DAT;1	APPROX. 27,500 BLOCKS

4. START AND STOP TIME OF EACH DATA FILE

A.	28 JAN. 1983 0400 TO 28 JAN. 1983 1100 (ABOUT 98% COMPL E, 2% GAPS)
B.	25 MAR. 1983 0500 TO 25 MAR. 1983 1400 (ABOUT 98% COMPL TE, 2% GAPS)
C.	12 APR. 1983 0600 TO 12 APR. 1983 1200
D.	26 MAR. 1983 0035 TO 26 MAR. 1983 0600
E.	4 JUNE 1983 0510 TO 4 JUNE 1983 1000
F.	27 JUNE 1983 1500 TO 28 JUNE 1983 0300

5. MAKE AND MODEL OF COMPUTER USED TO GENERATE DATA FILE(S)
VAX 11/780

6. DATA ARE: ASCII FORMAT IS GIVEN BELOW.

********** ********** **********

LOGICAL RECORD SIZE IS 326 BYTES.

A VAX FORTRAN OPEN STATEMENT WHICH COULD BE USED IS SOMETHING LIKE:

```
      OPEN (UNIT=8,FILE='ICALI',FORM='FORMATTED',
     $          CARRIAGECONTROL='NONE',RECORDTYPE='FIXED',
     $          STATUS='OLD',RECL=326,READONLY)
```

THE CORRESPONDING VAX FORTRAN READ STATEMENT WOULD BE:

```
      READ (8,1000) IYEAR,IDOY,IHR,IMIN,ISEC,FMSEC,IFLAG1,IFLAG2,
     $                (E(I),I=1,20),(B(I),I=1,14)

1000  FORMAT (I2,I3,3I2,F7.2,2I1,20E9.3,14E9.3)
```

THE DEFINITIONS OF THE ITEMS ARE AS FOLLOWS:

```
      IYEAR = YEAR OF DATA
      IDOY  = DAY  OF YEAR
      IHR   = HOUR OF DAY
      IMIN  = MINUTE OF HOUR
      ISEC  = SECOND OF MINUTE
      FMSEC = MILLISECONDS
      IFLAG1 = ESA DATA QUALITY FLAG
      IFLAG2 = MSA DATA QUALITY FLAG
      E(1)...E(20) = ELECTRIC SPECTRAL DENSITY (V**2/M**2/HZ)
                     FOR CHANNELS 00...19
      B(1)...B(14) = MAGNETIC SPECTRAL DENSITY (GAMMAS**2/HZ)
                     FOR CHANNELS 00...13
      CHANNEL IDENTIFICATION IS AS FOLLOWS:
```

CHANNEL	CENTER FREQUENCY
00	5.6 HZ
01	10.0 HZ
02	17.8 HZ
03	31.1 HZ
04	56.2 HZ
05	100 HZ
06	178 HZ
07	311 HZ
08	562 HZ
09	1.00 KHZ
10	1.78 KHZ
11	3.11 KHZ
12	5.62 KHZ
13	10.0 KHZ
14	17.8 KHZ
15	31.1 KHZ
16	56.2 KHZ
17	100. KHZ
18	178. KHZ
19	311. KHZ

NOTES:

1) IFLAG1 = 0 , GOOD ESA DATA
   IFLAG1 = 1 , INTERFERENCE FROM HARVEY
   IFLAG1 = 2 , INTERFERENCE FROM MOSER
   IFLAG1 = 3 , INTERFERENCE FROM HARVEY AND MOSER

2) IFLAG2 = 0 , GOOD MSA DATA
   IFLAG2 = 1 , INTERFERENCE FROM SCAN PLATFORM

3) WHEN AVERAGING THE ELECTRIC FIELD DATA INCLUDE ONLY THE DATA FOR IFLAG1=0. WHEN AVERAGING THE MAGNETIC FIELD DATA INCLUDE ONLY THE DATA FOR IFLAG2=0. WE WOULD LIKE TO HAVE A GEOMETRIC MEAN AVERAGE (I.E., AVERAGE THE LOGARITHM OF THE DATA POINTS) AND RETURN THE LOGARITHM OF THE GEOMETRIC MEAN AND THE LOGARITHM OF THE PEAK VALUE FOUND IN THE AVERAGING INTERVAL. A REASONABLE AVERAGING PERIOD WE WOULD PREFER IS 6 SECONDS (TWO SPIN PERIODS). IN PAST CDAW'S WE HAVE FOUND THAT SUCH AN INTERVAL IS MOST USEFUL AS A LOT OF THE PHYSICS IS HIDDEN IF LONGER INTERVALS ARE USED.

4) PROGRAMMER CONTACT:

TERRY AVERKAMP
726 VAN
UNIVERSITY OF IOWA
IOWA CITY, IOWA 52240
(319)-353-7252
SCAN NETWORK ADDRESS IOWASP::AVERKAMP

FROM: IOWASP::ANDERSON 29-APR-1986 10:20
TO: NSSDC::GATEWOOD,IOWASP::ANDERSON
SUBJ: COAW-8 MSG #3

FROM: NSSDC::NSSDC 1-APR-1986 12:23
TO: IOWASP::ANDERSON
SUBJ:

\ DOCUMENTATION FORM FOR ELECTRONIC SUBMISSION \ SECTION III

1. FULL FILE NAME (NODE::DEVICE:[DIRECTORY]FILE_NAME.TYPE:VERSION):
   IOWASP::DISK$1:[001200]ICALT83028.DAT;1

2. SIZE (# OF 512 BLOCKS): 62,805

3. REPRESENTATION: ASCII: YES
   EBCDIC: NO
   OTHER (SPECIFY): NO

1. FULL FILE NAME (NODE::DEVICE:[DIRECTORY]FILE_NAME.TYPE:VERSION):
   IOWASP::DISK$1:[001200]ICALT83084.DAT;1

2. SIZE (# OF 512 BLOCKS): 20,239

3. REPRESENTATION: ASCII: YES
   EBCDIC: NO
   OTHER (SPECIFY): NO

```
$NOP
$NOP ********** GOUT-3 **********
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 2 1 1

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   80
VOL1ICADAT                                                      3

 TAPE NO.   1              FILE NO.   2
 RECORD   1                LENGTH   2048
83 28 4 0 0  41.02007.747E-083.733E-094.172E-101.077E-111.135E-122.837E-131.509E-131.278E-124.311E-
134.917E-143.486E-153.997E-161.248E-162.240E-171.906E-172.605E-171.465E-176.359E-182.831E-185.564E-
183.146E-034.072E-041.911E-057.121E-073.323E-073.720E-088.443E-092.319E-097.589E-102.131E-101.614E-
101.058E-102.127E-108.281E-1183 28 4 0 0 291.02006.097E-081.922E-095.555E-117.611E-121.231E-127.603
E-146.751E-132.662E-121.888E-124.491E-131.003E-141.981E-165.053E-179.075E-181.484E-172.415E-171.465
E-176.359E-182.831E-185.564E-183.796E-034.083E-043.141E-053.715E-073.815E-073.720E-089.691E-092.319
E-095.573E-102.131E-101.391E-109.491E-112.127E-108.281E-1183 28 4 0 0 540.04002.918E-086.983E-103.6
54E-112.785E-123.500E-139.045E-145.364E-131.692E-121.453E-125.006E-132.559E-141.547E-152.647E-163.6
30E-171.688E-172.415E-171.465E-176.359E-182.831E-185.564E-182.347E-034.007E-041.429E-054.948E-073.8
15E-073.240E-089.691E-092.319E-096.544E-102.901E-101.391E-101.058E-102.127E-108.281E-1183 28 4 0 0
790.04001.907E-082.624E-103.367E-116.585E-128.690E-132.837E-131.354E-131.010E-132.990E-131.943E-148
.533E-161.375E-166.600E-171.501E-171.906E-172.415E-171.465E-176.359E-182.831E-185.564E-182.557E-032
.326E-045.580E-063.166E-073.323E-073.240E-088.443E-092.721E-097.589E-102.131E-101.614E-108.475E-112
.127E-101.128E-1183 28 4 0 1  40.04001.302E-083.305E-103.654E-111.203E-111.868E-122.517E-136.632E-1
42.184E-142.335E-144.532E-156.609E-161.241E-164.358E-179.075E-181.906E-172.605E-171.465E-176.837E-1
82.831E-185.564E-181.763E-031.408E-043.573E-064.307E-072.865E-073.240E-089.691E-093.157E-096.544E-1
02.501E-101.614E-108.475E-112.532E-108.281E-1183 28 4 0 1 290.04001.907E-089.302E-101.608E-105.775E
-114.059E-131.592E-131.775E-135.234E-141.250E-142.221E-151.652E-165.811E-173.712E-171.186E-171.906E
-172.605E-171.465E-176.359E-182.831E-185.564E-181.158E-031.482E-043.139E-063.715E-073.815E-073.720E
-088.443E-091.948E-097.589E-102.131E-101.391E-109.491E-112.127E-101.128E-10^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

***** JOB DONE.
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 17

 TAPE NO.   1              FILE NO.   17
 RECORD   1                LENGTH   2048
8317815 0 0 246.09009.033E-082.086E-106.998E-123.743E-132.378E-141.966E-151.024E-158.251E-164.324E-
163.223E-161.106E-163.441E-172.577E-175.350E-175.907E-171.889E-171.465E-175.452E-183.063E-188.117E-
182.523E-042.188E-052.357E-063.715E-072.865E-073.240E-087.281E-092.721E-094.684E-102.131E-101.185E-
108.475E-112.127E-108.281E-118317815 0 1 242.19007.268E-081.167E-099.947E-129.819E-141.279E-141.966
E-151.024E-156.065E-165.888E-162.467E-168.736E-173.441E-172.577E-175.999E-175.907E-172.233E-171.465
E-175.452E-183.303E-189.010E-182.523E-042.188E-053.139E-062.661E-073.323E-073.240E-087.281E-092.721
E-094.684E-102.501E-101.185E-109.491E-111.758E-108.281E-118317815 0 2 242.19003.153E-085.873E-118.4
17E-121.715E-136.764E-151.259E-151.394E-156.065E-169.733E-162.467E-168.736E-174.159E-172.577E-174.7
39E-175.907E-172.058E-171.345E-175.452E-183.063E-186.858E-182.523E-041.950E-052.357E-063.715E-073.3
23E-072.793E-089.691E-092.319E-094.684E-102.901E-101.391E-109.491E-111.758E-108.281E-118317815 0 3
242.19007.747E-081.208E-104.627E-121.759E-131.786E-141.966E-151.024E-151.078E-159.733E-162.467E-168
.736E-174.159E-173.120E-175.350E-176.083E-172.058E-171.465E-175.452E-183.063E-188.565E-182.523E-042
.702E-052.735E-063.715E-073.323E-072.793E-088.443E-091.948E-095.573E-102.131E-101.185E-108.475E-111
.758E-108.281E-118317815 0 4 242.19003.944E-081.167E-091.310E-111.506E-138.561E-151.593E-151.024E-1
56.065E-161.453E-152.467E-166.692E-173.441E-172.577E-175.350E-175.907E-172.233E-171.465E-175.452E-1
83.303E-188.994E-182.896E-042.188E-053.139E-064.307E-072.865E-073.240E-088.443E-092.319E-094.684E-1
01.790E-101.185E-109.491E-111.758E-108.281E-118317815 0 5 242.19003.645E-081.107E-109.190E-121.781E
-131.279E-141.259E-151.024E-156.065E-167.688E-162.467E-168.736E-173.441E-172.577E-174.739E-175.730E
-172.058E-171.465E-175.452E-183.063E-186.858E-182.523E-043.572E-052.357E-063.166E-072.865E-072.381E
-089.691E-092.319E-095.573E-102.131E-101.614E-109.491E-111.758E-108.281E-11^^^^^^^^^^^^^^^^^^^^^^^^^^^^
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***** JOB DONE.
$WEO LPS
```

D73802

ISEE 1

SOUNDER MEASUREMENT DATA

77-102A-08A SPMS-00037

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN EBCDIC. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 360 COMPUTER AND WAS RESTORED ON THE MRS SYSTEM. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005276	DS005276	D033866	1	11/06/77 - 11/06/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD2464	MJT

ISEE-1

SOUNDER MEASUREMENT DATA

77-102A-08A

This data set catalog consists of 1 data tape. The tape is 1600 BPI, EBCDIC, 9 track with 1 file of data. The tape was created on an IBM 360 computer.

Time span is as follows

D#	C#	TIME SPAN
D-33866	C-20603	11/06/77

D-33866
ISEE-1
11/06/77 08A

DUMP OF TAPE X-402

INPUT TAPE X-402 ON MS4
DATA INPUT H9 NF 1 FL 1 1 1

FILE 1 RECORD 1 LENGTH 1920BYTES

(0)	40404040	40404040	40404040	40404040	40404040	C8C1D440	F1F9F7F7	40F3F1F0	404DF1F6	40F1F1F1
(40)	40F2F5F7	F5F84B4D	F2F8F9F1	F94B40F3	F2F0F8F1	4B40F3F5	F2F4F24B	40F040D8	F0F0F36B	F2F0F0C5
(80)	40F3F6F0	F0F84BF6	F9F840F7	F4F24B40	F3F0F4F2	F84B4040	F1F9F1F1	4B40F1F4	F54B40F1	F3F34B40
(120)	40F1F1F6	4B40F4F3	F3E44B40	40F5F1F7	4B404DF3	E4E84B40	40F04BF0	F0404040	F04B40F0	40F140F0
(160)	40F3F6F0	F2F44BF6	F9F040F3	F7F54B40	F3F3F1F0	F54B4040	F3F6F8F1	4B4040F4	F54B40F1	F3F14B40
(200)	40F1F9F3	4B404DF7	F8F04B40	40F9F4F6	4B4040F3	F0F34B40	40F04BF0	F0404040	F04B40F0	40F040F0
(240)	40F3F6F0	F4F04BF6	F8F3F1F4	F2F94B40	F3F4F0F2	F74B4040	F1F5F4F8	4B4040F5	F24B40F1	F0F14B40
(280)	404DF3F7	4B404040	F7F54B40	F2F9F5F3	4B40F3F4	F9F64B40	40F04BF0	F0404040	F04B40F0	40F040F0
(320)	40F3F6F0	F5F64BF6	F7F54DF6	F1F54B40	F3F3F6F6	F94B4040	F3F7F5F6	4B4040F5	F34B4040	F8F34B40
(360)	4040F4F7	4B4D40F3	F3E14B40	40F1F7F8	4B4040F4	F6F44B40	40F04BF0	F0404D40	F04B40F0	40F040F0
(400)	40F3F6F0	F7F24BF6	F6F8F1F2	F0F64B40	F3F1F3F8	F04B4040	F3F0F4F2	4B4040F7	F54B40F1	F5F74B40
(440)	4040F5F0	4B40F4F2	F5F54B40	F2F9F4F1	4B40F1F3	F0F44B40	40F04BF0	F0404040	F04B40F0	40F040F0
(480)	40E3F6F0	F8F84BF6	F6F040F7	F5F64B40	F3F1F4F2	F44B4040	F2F7F6F8	4B4040F9	F54B4040	F5F74B40
(520)	4040F5F8	4B40F3F7	F3F74B40	F1F2F1F9	4B4040F1	F7F14B40	40F04BF0	F0404040	F04B40F0	40F040F0
(560)	40F3F6F1	F0F44BF6	F5F340F4	F9F24B40	F3F3F7F6	F64B4040	F1F9F9F8	4B4040F3	F34B40F1	F6F94B40
(600)	404DF4F2	4B4D4DF2	F1F34B40	F1F1F7F4	4B4D40F9	F1F04B40	40F04BF0	F0404040	F04B40F0	40F040F0
(640)	40F3F6F1	F2F04BF6	F4F540F4	F1F34B40	F3F5F2F8	F94B4040	F4F6F9F8	4B4040F3	F34B4040	F3F24B40
(680)	40F2F4F9	4B4040F5	F1F44B40	40F1F9F0	4B4040F1	F4F14B40	40F04BF0	F0404040	F04B40F0	40F040F0
(720)	40F3F6F1	F3F64BF6	F3F740F5	F6F64B40	F3F3F4F1	F84B4040	F2F3F4F8	4B4040F9	F24B40F1	F0F34B40
(760)	40F2F6F5	4B4D40F1	F2F64B40	F1F2F0F7	4B4D40F7	F9F84B40	40F04BF0	F0404040	F04B4DF0	40F040F0
(800)	40F3F6F1	F5F24BF6	F3F04040	F3F44B40	F1F5F5F9	F34B4040	F9F7F5F5	4B4040F8	F34B4040	F6F14B40
(840)	4D40F1F2	4B4D4D4D	F1F44B40	4D4DF1F1	4B4D4D4D	F1F24B40	40F04BF0	F0404040	F04B40F0	40F040F0
(880)	40F3F6F1	F6F84BF6	F2F2F1F1	F0F24B40	F3F1F4F1	F34B4040	F1F0F0F3	4B40F1F6	F74B4040	F5F64B40
(920)	40F1F2F3	4B4040F1	F6F84B40	40F1F6F6	4B4040F5	F8F14B40	40F04BF0	F0404040	F04B40F0	40F040F0
(960)	40F3F6F1	F8F44BF6	F1F5F1F5	F3F34B40	F3F2F8F8	F34B4040	F3F2F2F1	4B4040F5	F74B40F1	F0F44B40
(1000)	F1F0F8F4	4B40F3F1	F1F44B40	F2F3F2F2	4B4DF1F7	F3F34B40	40F04BF0	F0404040	F04B40F0	40F040F0
(1040)	40F3F6F2	F0F04BF6	F0F740F5	F4F14B4D	F3F2F1F5	F84B4D40	F2F3F5F1	4B4D4040	F94B4040	F6F64B40
(1080)	4040F7F6	4B40F1F1	F6F54B40	40F8F0F8	4B4040F3	F1F44B40	40F04BF0	F0404040	F04B40F0	40F040F0
(1120)	40F3F6F2	F3F24BF5	F9F2F1F5	F4F54B40	F3F1F4F8	F94B4040	F1F1F8F5	4B40F1F2	F84B4040	F8F54B40
(1160)	40F4F8F2	4B40F3F2	F8F14B40	F2F1F4F5	4B4040F5	F4F04B40	40F04BF0	F0404040	F04B40F1	40F040F0
(1200)	40F3F6F2	F4F84BF5	F8F440F9	F0F44B40	F3F2F3F4	F94B4040	F3F0F5F5	4B4040F7	F84B4040	F3F34B40
(1240)	4040F2F2	4B40F1F5	F1F54B4D	F2F4F3F7	4B40F1F0	F5F34B40	40F04BF0	F0404040	F04B40F1	40F040F0
(1280)	40F3F6F2	F6F44BF5	F7F7F1F5	F7F94B4D	F3F3F2F3	F54B4D40	F2F2F3F0	4B40F1F2	F94B4040	F2F04B40
(1320)	40F4F2F6	4B40F1F7	F6F54B4D	F3F1F0F0	4B4DF1F1	F9F84B40	40F04BF0	F0404040	F04B40F0	40F040F0
(1360)	40F3F6F2	F8F04BF5	F6F9F1F7	F7F84B40	F3F1F7F8	F84B4040	F1F3F6F7	4B40F1F2	F14B4040	F2F94B40
(1400)	4040F1F5	4B40F3F7	F3F74B40	F7F6F5F6	4B404040	F1F44B40	40F04BF0	F0404040	F04B40F0	40F040F0
(1440)	40F3F6F2	F9F64BF5	F6F2F1F3	F6F24B40	F3F1F6F5	F54B4040	F1F7F8F7	4B40F1F1	F14B4040	F6F34B40
(1480)	4040F1F6	4B404DF3	F5F94B40	F4F4F4F4	4B4DF1F2	F7F94B40	40F04BF0	F0404040	F04B40F0	40F040F0
(1520)	40F3F6F3	F1F24BF5	F5F4F2F1	F6F64B40	F3F2F7F5	F24B4040	F2F0F4F2	4B4040F7	F44B40F1	F0F74B40
(1560)	4D4DF3F0	4B4D4DF3	F2F44B40	F2F9F2F0	4B4DF3F7	F1F54B40	60F64BF5	F1404040	F04B40F0	40F040F0
(1600)	40F3F6F3	F2F84BF5	F4F640F4	F8F14B40	F3F3F3F5	F74B4040	F3F2F2F1	4B4040F8	F44B4040	40F34B40
(1640)	40F9F9F8	4B4040F7	F0F64B40	F1F3F6F1	4B404040	F4F44B40	6DF74BF4	F1404040	F04B40F0	40F040F0
(1680)	40F3F6F3	F4F44BF5	F3F940F6	F4F84B40	F3F5F3F3	F34B4040	F3F7F1F5	4B4040F7	F84B4040	F9F04B40
(1720)	4D4DF1F4	4B4D4DF3	F9F34B4D	4DF5F9F9	4B4DF1F3	F2F74B4D	60F74BF4	F1404D4D	F04B40F0	4DF04DF0
(1760)	40F3F6F3	F6F04BF5	F3F140F5	F6F14B40	F3F3F9F9	F24B4040	F3F2F3F5	4B4D40F1	F14B40F1	F4F84B4D
(1800)	4040F5F6	4B4D40F2	F7F84B4D	F1F0F6F7	4B4D40F5	F9FD4B40	60F74BF4	F1404040	F04B40F0	40F040F0
(1840)	40F3F6F3	F7F64BF5	F2F4F2F2	F2F04B40	F3F2F8F9	F64B4040	F1F1F5F3	4B40F1F0	F54B4040	F5F54B40
(1880)	40F3F0F1	4B4040F1	F1F34BF1	F0F1F6F2	4B4040F4	F8F84B40	60F74BF4	F1404040	F04B40F0	40F040F0

FILE 1 RECORD 65 LENGTH 1920BYTES

(0)	4DF6F0F7	F4F84BF9	F6F84D40	F1F54B4D	F2F0F4F7	F24B40F1	F0F8F8F7	4B4040F2	F34B4040	F7F74B40
(40)	4D4DF2F1	4B4D4D4D	F1F34B40	4D4DF1F2	4B4D4D4D	F1F24B40	60F24BF5	F1404D40	F04B40F0	40F040F0
(80)	40F6F0F7	F6F44BF9	F6F14040	F1F74B40	F2F1F9F7	F24B40F1	F0F7F7F2	4B4040F3	F04B40F1	F7F44B40
(120)	4040F2F2	4B404040	F1F34B40	4040F6F2	4B404040	F1F44B40	60F24BF5	F1404040	F04B40F0	40F040F0
(160)	40F6F0F7	F8F04BF9	F5F34040	F1F64B40	F2F0F4F2	F34B40F1	F0F6F4F8	4B4040F2	F04B4040	F6F74B40
(200)	4D40F2F3	4B4D4D4D	F1F44B4D	4D4DF1F3	4B4D4D4D	F1F34B40	60F24BF9	F6404040	F04B40F0	40F040F0
(240)	40F6F0F7	F9F64BF9	F4F54040	F2F34B40	F3F1F5F1	F34B40F1	F2F1F3F1	4B40F1F1	F94B40F1	F3F04B40

```
(   320)  4040F2F5  4B404040  F1F24B40  4040F1F1  4B404040  F1F14B40  60F24BF9  F6404040  F04B40F0  40F040F0
(   360)  4040F2F3  4B404040  F1F14B40  4040F1F1  4B404040  F1F24B40  60F24BF9  F6404040  F04B40F1  40F040F0
(   400)  40F6F0F8  F2F84BF9  F3F04040  F1F64B40  F2F0F1F2  F24B40F1  F0F9F7F2  4B4040F1  F24B40F1  F6F44B40
(   440)  4040F2F5  4B404040  F1F24B40  4040F1F1  4B404040  F1F14B40  60F24BF9  F6404040  F04B40F0  40F040F0
(   480)  40F6F0F8  F4F44BF9  F2F34040  F1F64B40  F2F0F1F3  F24B40F1  F0F8F1F0  4B4040F2  F24B4040  F8F64B40
(   520)  4040F2F0  4B404040  F1F44B40  4040F1F1  4B404040  F1F14B40  60F34BF1  F8404040  F04B40F0  40F040F0
(   560)  40F6F0F8  F6F04BF9  F1F54040  F1F64B40  F2F0F6F2  F54B40F1  F0F9F4F6  4B4040F1  F04B40F1  F5F04B40
(   600)  4040F2F2  4B404040  F1F54B40  4040F1F3  4B404040  F1F14B40  60F34BF1  F8404040  F04B40F0  40F040F0
(   640)  40F6F0F8  F7F64BF9  F0F74040  F1F64B40  F2F0F1F3  F84B40F1  F0F8F0F5  4B4040F1  F84B4040  F8F94B40
(   680)  4040F2F6  4B404040  F1F44B40  4040F1F3  4B404040  F1FC4B40  60F34BF1  F8404040  F04B40F0  40F040F0
(   720)  40F6F0F8  F9F24BF9  F0F04040  F1F64B40  F2F0F4F7  F24B40F1  F0F9F9F4  4B4040F1  F94B40F1  F6F74B40
(   760)  4040F3F0  4B404040  F1F54B40  4040F1F2  4B404040  F1F24B40  60F34BF1  F8404040  F04B40F0  40F040F0
(   800)  40F6F0F9  F0F84BF8  F9F24040  F1F64B40  F2F0F2F8  F54B40F1  F0F7F1F7  4B4040F2  F84B4040  F9F04B40
(   840)  4040F3F8  4B404040  F1F44B40  4040F1F4  4B404040  F1F34B40  60F34BF0  F0404040  F04B40F0  40F040F0
(   880)  40F6F0F9  F2F44BF8  F8F54040  F1F64B40  F2F1F0F4  F74B40F1  F0F6F0F2  4B4040F2  F14B40F1  F6F44B40
(   920)  4040F4F4  4B404040  F1F54B40  4040F1F3  4B404040  F1F44B40  60F34BF0  F0404040  F04B40F0  40F040F0
(   960)  40F6F0F9  F4F04BF8  F7F74040  F1F64B40  F2F0F7F9  F74B40F1  F0F6F3F3  4B4040F2  F64B4040  F9F24B40
(  1000)  4040F4F2  4B404040  F1F54B40  4040F1F2  4B404040  F1F24B40  60F34BF0  F0404040  F04B40F0  40F040F0
(  1040)  40F6F0F9  F5F64BF8  F7F04040  F1F54B40  F2F0F7F9  F34B40F1  F0F9F2F7  4B4040F1  F54B4040  F3F24B40
(  1080)  4040F2F7  4B404040  F1F34B40  4040F1F0  4B404040  F1F14B40  60F34BF0  F0404040  F04B40F0  40F040F0
(  1120)  40F6F0F9  F7F24BF8  F6F24040  F1F64B40  F2F0F4F4  F24B40F1  F1F0F5F6  4B4040F2  F04B40F1  F0F64B40
(  1160)  4040F3F3  4B404040  F1F44B40  4040F1F3  4B404040  F1F34B40  60F34BF1  F2404040  F04B40F0  40F040F0
(  1200)  40F6F1F0  F0F44BF8  F4F74040  F1F64B40  F2F0F1F6  FC4B40F1  F0F8F4F0  4B4040F2  F54B40F1  F1F24B40
(  1240)  4040F2F6  4B404040  F1F44B40  4040F1F3  4B404040  F1F24B40  60F34BF1  F2404040  F04B40F0  40F040F0
(  1280)  40F6F1F0  F2F04BF8  F3F94040  F1F64B40  F2F0F6F4  F64B40F1  F0F9F0F7  4B4040F2  F34B4040  F3F74B40
(  1320)  4040F3F2  4B404040  F1F34B40  4040F1F3  4B404040  F1F14B40  60F34BF1  F2404040  F04B40F0  40F040F0
(  1360)  40F6F1F0  F3F64BF8  F3F24040  F1F64B40  F2F0F2F8  F24B40F1  F0F9F6F3  4B4040F2  F14B40F1  F2F24B40
(  1400)  4040F2F3  4B404040  F1F34B40  4040F1F4  4B404040  F1F24B40  60F34BF1  F0404040  F04B40F0  40F040F0
(  1440)  40F6F1F0  F5F24BF8  F2F44040  F1F64B40  F2F0F1F4  F54B40F1  F0F8F4F8  4B4040F1  F94B4040  F4F54B40
(  1480)  4040F3F0  4B404040  F1F44B40  4040F1F2  4B404040  F1F14B40  60F34BF1  F0404040  F04B40F0  40F040F0
(  1520)  40F6F1F0  F6F84BF8  F1F74040  F1F64B40  F2F0F8F8  F04B40F1  F0F7F8F3  4B4040F2  F44B40F1  F1F44B40
(  1560)  4040F3F9  4B404040  F1F14B40  4040F1F5  4B404040  F1F14B40  60F34BF1  F0404040  F04B40F0  40F040F0
(  1600)  40F6F1F0  F8F44BF8  F0F94040  F1F64B40  F2F0F5F5  F24B40F1  F0F9F6F7  4B4040F2  F14B4040  F4F84B40
(  1640)  4040F3F2  4B404040  F1F54B40  4040F1F0  4B404040  F1F24B40  60F34BF1  F0404040  F04B40F0  40F040F0
(  1680)  40F6F1F1  F0F74BF8  F0F14040  F1F64B40  F2F0F3F0  F04B40F1  F0F7F5F8  4B4040F2  F84B40F1  F3F14B40
(  1720)  4040F3F8  4B404040  F1F44B40  4040F1F3  4B404040  F1F34B40  60F34BF1  F1404040  F04B40F0  40F040F0
(  1760)  40F6F1F1  F1F64BF7  F9F44040  F1F64B40  F2F0F0F4  F14B40F1  F0F8F2F2  4B4040F2  F54B4040  F4F74B40
(  1800)  4040F2F9  4B404040  F1F44B40  40404040  4B404040  F1F24B40  60F34BF1  F1404040  F04B40F0  40F040F0
(  1840)  40F6F1F1  F3F24BF7  F8F64040  F1F64B40  F1F9F9F4  F14B40F1  F0F8F7F4  4B4040F1  F44B40F1  F3F94B40
(  1880)  4040F2F1  4B404040  F1F24B40  4040F1F2  4B404040  F1F04B40  60F34BF1  F1404040  F04B40F0  40F040F0
```

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	65	66	1920	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 06/22/79 16:54:49 STOP TIME 06/22/79 16:55:01

$$
$ASS IN MS3 OUT MS4

ISEE 1 & 2

ENERGETIC PARTICLES TAPE

77-102A-09A SPMS-00182

77-102B-07A

This data set has been restored. There were originally two 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on a 6600 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005045	DS005045	D032368	1	12/01/77 - 12/02/77
		D032663	2	12/11/77 - 12/12/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD1070	MJT

ISEE 1 & 2

ENERGETIC PARTICLES DATA

77-102A-09A

77-102B-07A

This data set catalog consists of 2 data tapes. The tapes are 9 track, 1600 BPI, binary with one file of data. The tapes were created on a CDC computer.

Time spans are as follows:

D#	C#	TIME SPAN
D-32368	C-20210	12/01/77 - 12/02/77
D-32663	C-20253	12/11/77 - 12/12/77

Williams - ISEE 1 — Nm: IEW — CON: CONX

ISEE 2 — IE[redacted]2W

Tape Format

The ISEE December workshop tape is 9-track, 1600 BPI, odd parity, unlabelled, all values written in CDC 60-bit floating point.

1 physical record = 1 logical record = 11 60-bit words
Missing data flag = -1.Ø
1 record/vehicle about every 5 minutes, unless the data is high bit rate, in which case there will be one record/vehicle about every minute.
Records are ordered by start time irrespective of vehicle.

ISEE-A record:

Word#	Value
1	1. (Sat. ident)
2	time as seconds of year 1977
3	geocentric distance in thousandths of Earth radii
4	electrons, 75-120 keV, counts/second average of spins 4, 7, 16, 19
5	electrons, 22.5-39 keV, counts/second average of spins 4, 7, 16, 19
6	protons, 142-210 keV, counts/second average of spins 4, 7, 16, 19
7	protons, 24-44.5 keV, counts/second average of spins 4, 7, 16, 19
8	electrons, 22.5-39 keV, counts/second average spins 0/23
9	electrons, 22.5-39 keV, counts/second average spins 11/12
10	protons, 24-44.5 keV, counts/second average spins 0/23
11	protons, 24-44.5 keV, counts/second average spins 11/12

ISEE-B record

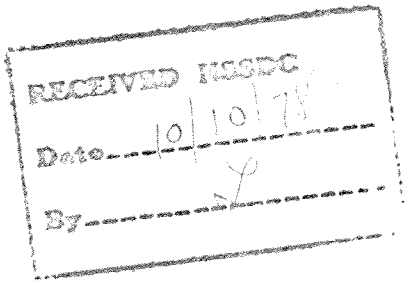
Word#	Value
1	2. (Sat. ident)
2	time as seconds of year 1977
3	geocentric distance (see ISEE-A)
4	electrons, 17.5-38 keV(WEL), counts/second
5	electrons, 80-134 keV(WEL), counts/second
6	protons, 27-47 keV(WP1/WP2), counts/second
7	protons, 132-220 keV(WP1/WP2), counts/second
8-11	-1.Ø

Note: There may be more than one file on the tape. If so, there will be at least two eof's after the last file.

Mr. Vette,

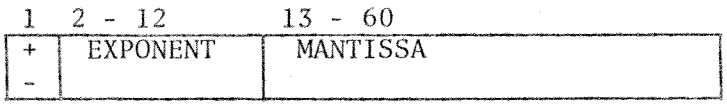
Here is the tape format I promised. More on the number of files, etc., when I send the tape.

Linda Batte



All data [illegible] needed should be able to remove [illegible] system power [illegible] requirements

CDC 60-BIT FLOATING POINT WORDS



The left-most bit, bit 1, is the sign bit (0 for positive values and 1 for negative values). The following 11 bits, bits 2-12, are used as the exponent. An exponent of 1717_8 is equal to zero. Therefore, 1720_8 equals an exponent of 1 and 1716_8 equals an exponent of -1. The remaining 48 right-most bits, bits 13-60, are used as the mantissa (fractional part).

Example: (positive integer)

1740146214531467000_8 =

0|001111000000|01100110010001100101011...
sign | exponent | mantissa

Exponent of 1740_8
-1717_8
$21_8 = 17_{10}$ = number of bits the decimal point is moved in the mantissa (for whole numbers, from left-most bit to right)

00|110|011|001|000|110|0101011...
mantissa

$= 63106_8$

$= 26182_{10}$

Example: (negative fraction)

$67123164357261134000._8$ =

1|011100101001|10011101000111011111...
sign | exponent | mantissa

Exponent of $6712_8 = -5_{10}$ = number of bits the decimal point is moved in the mantissa (for fractions, from left-most, further left adding zeros)

= .00000.011001110010...
mantissa

$= -0.317_8$

$= -0.404_{10}$

ISEE-12
D-32368
12/01/77 - 12/02/77

DUMP OF TAPE X-209

INPUT TAPE X-209 ON MS1
DATA INPUT 09 FL 1 1 2

FILE 1 RECORD 1 LENGTH 110BYTES
(0) 172543000000 000000001750 671124101574 561617364512 277777777777 605737777777 777777776057 377777777777
(48) 777760573777 777777777777 605737777777 777777776057 377777777777 777760573777 777777777777 605737777777
(96) 777777776057 377777777777 7760

FILE 1 RECORD 269 LENGTH 110BYTES
(0) 172040000000 000000001750 672023044563 066217336654 777777777777 172767627712 321005041733 417006262433
(48) 606217264674 665144635061 173460302606 702632511733 501107130737 045317335511 730211732446 173455355117
(96) 174534731734 732634455013 6600

FILE 1 RECORD 270 LENGTH 110BYTES
(0) 172140000000 000000001750 672025546611 661617337521 777777777777 173243147443 303642441717 524042365150
(48) 400617317013 744454657012 172553255311 577442566057 377777777777 777760573777 777777777777 605737777777
(96) 777777776057 377777777777 7760

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	270	272	83	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 10/30/78 08:34:09 STOP TIME 10/30/78 08:34:47

1	16,777,216
5	10,485,760
6	1,572,864
2	65,536
2	8,192
5	2,560
0	0
2	16
0	0

1750_8

1717

$31_8 = 25_{10}$

6 7 1 1 2 4 1 0 1

110 111 001 001 010 100 001 000 001

1 5 6 2 2 5 0 2 0

$864 \overline{)28,912,144} \; 334$ PAM plus 1

2592
2992
2592
4001
3456

$36 \overline{)545} \; 15$ hr

$$

D.32663

ISEE 1&2

12/11/77-12/12/77

DUMP OF TAPE 216

INPUT TAPE 216 ON MS1
DATA INPUT 09 NF 1 FL 1 2 2

FILE 1 RECORD 1 LENGTH 1100BYTES

(0)	172140000000	000000001750	726527742634	5[illegible]17344636	377777777777	6[illegible]5737777777	777777776057	377777777777
(48)	777717357541	256343356311	173163223441	275561006057	377777777777	777760573777	777777777777	6[illegible]5737777777
(96)	777777776057	377777777777	7760					

FILE 1 RECORD 2 LENGTH 1100BYTES

(0)	172140000000	000000001750	70655.541142	4[illegible]17344702	377777777777	6[illegible]5737777777	777777776057	377777777777
(48)	777717357214	630737103770	173153335152	245244666057	377777777777	777760573777	777777777777	6[illegible]5737777777
(96)	777777776057	377777777777	7760					

FILE 1 RECORD 769 LENGTH 1100BYTES

(0)	172140000000	000000001750	707175144240	C00017364156	277777777777	172052404232	356703231721	524042323567
(48)	032317235113	412550732514	C0000[illegible]0000	[illegible]0[illegible]6057	377777777777	777760573777	777777777777	6[illegible]5737777777
(96)	777777776057	377777777777	7760					

FILE 1 RECORD 770 LENGTH 1100BYTES

(0)	172140000000	000000001750	707175626443	3[illegible]1736415[illegible]	777777777777	172344647723	572133261721	743603447774
(48)	562717157747	333554357102	172277072330	54357[illegible]021721	671012754672	11[illegible]172152[illegible]4	547312372254	171752345473
(96)	102372541715	520454731023	7240					

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	770	772	83						

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS

START TIME 11/22/78 2[illegible]:22:47 STOP TIME 11/22/78 2[illegible]:23:07

```
$$
$ASS IN MS3 OUT MS1
$EXE DUPCOM BS
```

ISEE 1

PLASMA DENSITY SOUNDER

77-102A-08D SPMS-00189

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005317	DS005317	D034065	1 - 20	11/07/77 - 01/01/78

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2651	MJT

ISEE 1

PLASMA DENSITY SOUNDER

77-102A-08D

This data set catalog consists of 1 data tape. The tape is 9 track, 1600 BPI, Binary and has 20 files of data. The tape was created on a IBM 360 computer

Time span is as follows:

D#	C#	TIME SPAN
D-34065	C-20647	11/07/77 - 1/01/78

D-34065
08D
11/02/77 - 11/01/78

DUMP OF TAPE X:217

INPUT TAPE X:217 ON MS1
DATA INPUT H9 NF 20 FL 1 1 1 SR 20 1 1 SR 20 LAST 1

FILE 1 RECORD 1 LENGTH 1920BYTES

(0)	A0A0A0A0	A0A0A0A0	A0A0A0A0	A0A0A0A0	A0A0A0A0	48414DA0	B139B7B7	A[333[B8	A0A[A0E4	A B1B235
(40)	A0A0B4B4	B2B12EA0	A0B833B7	B22EA0B1	36B2B735	2EAC33B2	30B8B12E	A03DA0D1	3C3C33AC	B13C8442
(80)	A0A0A0B1	30B72E35	3939A0A0	33352EA0	B430B4B2	B12EA0B1	3530E430	2EA0B133	B72EA0B1	B1B[2EA0
(120)	A0A0B1B1	2EA0A0A0	A0B72EA0	A0A0A0B4	2EA0A0A0	A0362EA0	A03[2E30	3[A0A[A[	3[2EA0[3	A[B1A[30
(160)	A0A0A0B2	33352E35	3339A0B2	B8392EA0	A0B2B7B8	B42EA0A0	B1B8B233	2EA0B139	B12EA0A[	B7B82EA0
(200)	A0A0B1B8	2EA0A0A0	B1352EA0	A0B130B7	2EA0A0A0	A0332EA0	A0302E30	30A0A0A0	302EA0B1	A03[A030
(240)	A0A0A033	36332EB4	B7B8A0A0	A0B72EA0	B1393335	392EA0B1	B439B136	2EA0A[B4	3[2EA0B1	B1332EA0
(280)	A0A0B130	2EA0A0A0	A0362EA0	A0A0A[35	2EA[A0A0	A0392EA0	A03[2E3[	3[A0A[A[	3[2EA[3[	A[3[A[3[
(320)	A0A0A0B4	39B12EB4	B1B8A0A0	B2B22EA0	B2303535	B22EA0B1	35B1B233	2EA0B135	B22EA0B1	3535[2EA0
(360)	A0A0B1B8	2EA0A0A0	A0392EA0	A0A0B1B8	2EA0A0A0	A0362EA0	A0302E35	30A0A0A0	302EA0B1	A03[A030
(400)	A0A0A036	B1392E33	35B7A0A0	A0B72EA0	B2B13030	332EA0B1	35B136B2	2EA[A033	B42EA0A[	B23[2EA0
(440)	A0A0B1B2	2EA0A0A0	A0B72EA0	A0A0A035	2EA0A0A0	B1B72EA0	A0302E30	30A0A0A0	302EA030	A03[A030
(480)	A0A0A0B7	B4B72EB2	3936A0A0	A0B72EA0	B1B8B130	3C2EA0B1	35303535	2EA0A0B4	392EA0A0	35B42EA0
(520)	A0A0B1B7	2EA0A0A0	A0B82EA0	A0A0A0B4	2EA0A0A0	A0352EA0	A0302E30	30A0A0A0	302EA0B1	A03[A03[
(560)	A0A0A0B8	B7352EB2	3336A0A0	A0B72EA0	B1B835B1	B12EA0B1	353[B135	2EA0A[35	B72EA0A[	35B42EA0
(600)	A0A0B130	2EA0A0A0	A0B72EA0	A0A0A0B4	2EA0A0A0	B130[EA0	A0302E30	30A0A0A0	302EA030	A03[A030
(640)	A0A0B130	30332EB1	B735A0A0	B1392EA0	B13535B2	332EA0B1	33B4B8B7	2EA0A0B7	302EA0A0	B23B2EA0
(680)	A0A0B136	2EA0A0A0	A0392EA0	A0A0A039	2EA0A0A0	A0392EA0	A03[2E3[	3[A0A[A[	3[2EA0B1	A03[A03[
(720)	A0A0B1B1	33B12EB1	B135A0A0	A0B72EA0	B135B7B2	332EA0B1	B436B139	2EA0A036	332EA0A0	34332EA0
(760)	A0A0B130	2EA0A0A0	A0362EA0	A0A0A0B4	2EA0A0A0	A0362EA0	A0302E3[	30A0A0A0	302EA03[	A03[A030
(800)	A0A0B1B2	35392E30	35B4A0A0	A0B72EA0	B1B73339	332EA0B1	3535B135	2EA0A[B2	362EA0B1	3[3[2EA0
(840)	A0A0B1B1	2EA0A0A0	A0362EA0	A0A[A0B4	2EA0A0A0	A0B42EA0	A03[2E3[	30A0A[A[	3[2EA0B1	A[3[A[3[
(880)	A0A0B133	B8362E39	3933A0A0	A0362EA0	B1B836B6	B42EA0B1	B43936B8	2EA[A0B1	B12EA0B1	3534[2EA0
(920)	A0A0B1B1	2EA0A0A0	A0B72EA0	A0A0A0B4	2EA0A0A0	A0B72EA0	A03C2E30	30A0A0A0	302EA03[	A03[A03[
(960)	A0A0B135	B1B42E39	3333A0A0	B2362EA0	B2333036	B42EA0B1	3035B735	2EA0B1B4	B22EA0A[	33B22EA0
(1000)	A0A0B1B7	2EA0A0A0	B1302EA0	A0A0A0B8	2EA0A0A0	A0B72EA0	A02D2EB8	36A0A0A0	302EA0B1	A03[A03[
(1040)	A0A0B136	B4B22EB8	B7B2A0A0	A0B72EA0	B1393330	B42EA0B1	B4B4B135	2EA0A0B4	B22EA0A0	34[B2EA0
(1080)	A0A0B1B1	2EA0A0A0	A0B82EA0	A0A0A0B4	2EA0A0A0	A0362EA0	A02D2E33	B4A0A0A0	3[2EA03[	A[3[A[3[
(1120)	A0A0B1B7	B7302EB8	B1B2A0A0	A0B72EA0	B1B73936	B82EA0B1	B4B13336	2EA0A0B4	3B2EA0A[	35392EA0
(1160)	A0A0B1B1	2EA0A0A0	A0B72EA0	A0A0A0B4	2EA0A0A0	B13C2EA0	A02D2EB2	B4A0A0A0	302EA0B1	A03[A030
(1200)	A0A0B1B8	39B82EB7	35B1A0A0	A0B72EA0	B1363984	332EA0B1	B4B2B8B1	2EA0A[36	B42EA0A0	3[3[2EA0
(1240)	A0A0B130	2EA0A0A0	A0362EA0	A0A0A0B4	2EA0A0A0	A0392EA0	A02D2E3[	30A0A[A[	3[2EA0[3	A[3[A[3[
(1280)	A0A0B230	B2362E36	3930A0A0	33352EA0	B233B7B2	B42EA0A0	B7363335	2EA0B1B6	332EA0A0	B7B22EA0
(1320)	A0A0B135	2EA0A0A0	A0392EA0	A0A0B130	2EA0A0A0	A0B72EA0	A02D2EB7	B7A0A0A0	302EA0B1	A03[A030
(1360)	A0A0B2B1	35B42E36	3330A0A0	A0B82EA0	B136B7B1	B22EA0B1	B43[B43[	2EA[A033	302EA0A[	B2332EA0
(1400)	A0A0B239	2EA0A0A0	A0352EA0	A0A0A035	2EA[A0A0	A0B82EA0	2DB22E36	B7A[A[A[	3[2EA0[3	A[3[A[3[
(1440)	A0A0B2B2	B8B22E35	3639A0A0	B2B42EA0	A0B73336	B22EA0B1	3030B730	2EA0B1B4	332EA0B1	33B42EA0
(1480)	A0A0B135	2EA0A0A0	A0362EA0	A0A[A035	2EA0A[A0	A0B42EA0	A02D2EB8	B8A0A0A0	302EA0B1	A03[A030
(1520)	A0A0B2B4	B1302E35	3039A0B1	30B22EA0	A0B23533	352EA0A0	B135B23[	2EA0B139	B82EA0B1	35B42EA0
(1560)	A0A0B130	2EA0A0A0	A0B72EA0	A0A0A0B4	2EA0A0A0	B13C2EA0	2DB12E35	B8A0A0A0	302EA03[	A03[A030
(1600)	A0A0B235	33B82EB4	B4B8A0A0	B1352EA0	B1B235B2	352EA0B1	3336B133	2EA0A036	392EA0A[	A03[2EA0
(1640)	A0A0B1B8	2EA0A0A0	B1302EA[	A0A[B130	2EA0A[A0	A0B72EA0	2DB12E36	35A[A[A[	3[2EA0B1	A[3[A[3[
(1680)	A0A0B236	36362E33	B8B7A0A0	A0B72EA0	B1B7B8B8	332EA0B1	B4B8B8B7	2EA0A035	B82EA0A[	303[2EA[
(1720)	A0A0B1B1	2EA0A0A0	A0392EA0	A0A0A035	2EA0A0A0	B1352EA0	2D352E33	B7A0A0A0	302EA030	A03[A030
(1760)	A0A0B2B7	39B42E33	B2B7A0A0	A0B72EA0	B13639B4	3C2EA0B1	B436B435	2EA[A[B2	B72EA[A[	B7B42EA0
(1800)	A0A0B1B4	2EA0A0A0	A0362EA0	A0A0A035	2EA[A0A0	A0362EA0	2DB22E39	39A[A[A[	3[2EA0B1	A[3[A[3[
(1840)	A0A0B239	B2B22EB2	3636A0A0	A0B72EA0	B230B839	3C2EA0B1	3530B4B4	2EA[A0B2	362EA0B1	3[B[2EA0
(1880)	A0A0A039	2EA0A0A0	A0362EA0	A0A[A035	2EA0A[A[	B1362EA0	2D332E30	35A0A0A0	302EA030	A03[A030

FILE 1 RECORD 3 LENGTH 1920BYTES

(0)	A0A03633	B7362E36	3330A0B2	B8332EA0	B2333067	B12EA0A0	B1B23035	2EA0B107	B72EA0B1	B2B42EA0
(40)	A0A035B7	2EA0A0A0	A0B72EA0	A0A0B2B8	2EA0A0A0	A0B42EA0	2DB22E33	B1A0A0A0	302EA0B1	A03[A030
(80)	A0A03635	30B42E35	3639A0A0	36B42EA0	A0353334	362EA0A0	B4B83[B4	2EA0B1B2	352EA0B1	B2B42EA0
(120)	A0A0B1B1	2EA0A0A0	33B12EA0	A0A[A035	2EA[A[A[	A0332EA0	A[2D2EB1	B4A[A[A[	3[2EA0[3	A[3[A[3[
(160)	A0A03636	33B22E35	30B8A0A0	B8B22EA0	A0338287	352EA0A0	3330B7B0	2EA0B1B8	362EA0B1	33332EA0
(200)	A0A03330	2EA0A0A0	A0392EA0	A0A[B130	2EA0A[A[	A0362EA0	2D362E33	36A0A0A0	302EA0B1	A03[A030
(240)	A0A036B7	3630[EB4	B4B8A0B1	B1332EA0	A0333335	362EA0A0	33B83933	2EA0[1B2	352EA0B1	B4B42EA0

(320)	A0A03680	B0B62E33	B0B7A033	33B12EA0	A0B23639	B82EA0A0	A0303333	2EA0B130	352EA0B1	B7B72EA0
(360)	A0A03930	2EA0A0A0	B2B22EA0	A0A0A035	2EA0A0A0	ACB42EA0	2D352E33	B4A0A0A0	302EA0B1	A030A033
(400)	A0A0B730	B1362E33	B2B7A0A0	A0B72EA0	B13330B1	392EA0B1	B2B730B8	2EA0A035	B12EA0A0	33392EA0
(440)	A0A0B1B1	2EA0A0A0	A0B72EA0	A0A0A036	2EA0A0A0	ACB42EA0	2DB42EB1	39A0A0A0	302EA030	A030A030
(480)	A0A0B7B1	B4B42EB2	3636A0B1	B2332EA0	A036B2B7	3C2EA0A0	B2B130B7	2EA0A035	352EA0B1	36362EA0
(520)	A0B1B7B8	2EA0A0A0	B4B42EA0	A0A0B1B2	2EA0A0A0	AC342EA0	2DB42EB4	B4A0A0A0	302EA0B1	A030A030
(560)	A0A0B7B2	B7B22EB2	3035A0B1	B8B12EA0	B1B835B8	B12EA0A0	B1B23939	2EA0B1B7	B42EA0B1	33362EA0
(600)	A0A0B7B8	2EA0A0A0	B1B22EA0	A0A03333	2EA0A0A0	AC332EA0	2DB42E39	B1A0A0A0	302EA030	A030A030
(640)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(680)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(720)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(760)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(800)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(840)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(880)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(920)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(960)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1000)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1040)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1080)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1120)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1160)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1200)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1240)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1280)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1320)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1360)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1400)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1440)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1480)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1520)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1560)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1600)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1640)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1680)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1720)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1760)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1800)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1840)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(1880)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
	1	3	4	1920	0	0	0	0	0

FILE 20 RECORD 1 LENGTH 1920BYTES

(0)	A0A0A0A0	A0A0A0A0	A0A0A0A0	A0A0A0A0	A0A0A0A0	48414DA0	B139B7B7	AC333588	A0A0A0B4	A0B1B236
(40)	A0A0B4B4	B2B12EA0	A0B833B7	B22EA0B1	36B2B735	2EAC33B2	30B8B12E	AC30A0D1	303033AC	B230B1C5
(80)	A0B4B135	35B22EB4	B830A039	33352EA0	A0B43530	B22EA0A0	B4B4B736	2EA0A039	392EA0A0	B8B42EA0
(120)	B1B1B2B2	2EA0A0B2	B8332EA0	A033B233	2EA0A0A0	33302EA0	A0302E30	30A0A0A0	302EA030	A091A030
(160)	A0B4B136	B830 2EB4	B139A0B8	39352EA0	A0B43033	B42EA0A0	33B23036	2EA0B130	352EA0B1	B1B62EA0
(200)	B1B433B2	2EA0A036	33392EA0	A0A0B2B8	2EA0A0A0	B8B82EA0	A0302E30	30A0A0A0	302EA030	A030A030
(240)	A0B4B1B8	30B82E33	35B8B1B1	B2362EA0	A0353030	392EA0A0	B436B1B7	2EA0B1B1	B42EA0B1	B2392EA0
(280)	B1333933	2EA0A0B4	B7392EA0	A0333633	2EA0A0A0	B7B42EA0	A0302E30	30A0A0A0	302EA030	A030A030
(320)	A0B4B139	33362EB2	39B7A036	B8B42EA0	A0B833B4	362EA0B1	33333036	2EA0B136	362EA0B1	33352EA0
(360)	A0B13633	2EA0A0B2	35B82EA0	A0333082	2EA0A0B1	B8332EA0	A0302E30	30A0A0A0	302EA0B1	A030A030
(400)	A0B4B230	36B42EB2	3336A0A0	B4B72EA0	B235B1B4	362EA0B1	3639B233	2EA0A0B4	B72EA0A0	B1362EA0
(440)	A0A033B8	2EA0A0A0	33392EA0	A0A0B2B1	2EA0A0A0	B1B42EA0	A0302E30	30A0A0A0	302EA030	A030A033
(480)	A0B4B2B1	39B22EB1	B735A0A0	36302EA0	B2B73930	B42EA0B1	B2393339	2EA0B130	B82EA0B1	35B82EA0
(520)	A0A0B4B7	2EA0A0A0	B4362EA0	A0A0B2B7	2EA0A0A0	B4B72EA0	A0302E30	30A0A0A0	302EA030	A030A030
(560)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(600)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(640)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(680)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939
(720)	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939	39393939

ISEE 1

PLASMA DENSITY - SOUNDER (REVISD)

77-102A-08E SPMS-00256

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in ~~Binary~~ EBC. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005318	DS005318	D035060	1 - 10	11/03/77 - 11/20/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD	MJT

ISEE 1

PLASMA DENSITY SOUNDER (REVISED)

77-102A-08E

This data set catalog consists of 1 data tape. The tape is 1600 BPI, 9 track, EBCDIC with 5 files of data. The tape was crated on an IBM 360 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-35060	C-20695	11/03/77 - 11/20/77

~~78 054/77-005~~

D-35060

11/03/77 - 11/24/77

DUMP OF TAPE X-206

INPUT TAPE X-206 ON MT1
DATA INPUT HA NF 1 FL 1 1 1 SR 1 1 1 SR 1 LAST 1

FILE 1 RECORD 1 LENGTH 1920BYTES

(0)	40404040 40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F0F74040	40F8F5F5	4B40F1F0	F3F4F84B
(40)	4C4C4CF2	F0F54B4C	40F1F2F0	F04B4040	F1F8F5F3	4B4040F2	F0F5F04B	40F040D8	F0F0F36B	F2F0F0C5
(80)	40404040	40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F0F74040	F1F3F4F8	4B40F2F0	F2F2F04B
(120)	4040F2F4	F4F54B40	40F3F2F3	F54B4040	F4F4F2F1	4B4040F5	F6F0F64B	40F040D8	F0F0F36B	F2F0F0C5
(160)	40404040	40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F0F74040	F1F2F2F6	4B40F3F6	F0F3F24B
(200)	4040F7F5	F8F24B40	40F9F9F5	F34B40F1	F3F1F1F4	4B40F1F7	F8F5F04B	40F040D8	F0F0F36B	F2F0F0C5
(240)	40404040	40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F0F740F3	F6F0F3F2	4B40F5F0	F2F5F74B
(280)	40F2F3F7	F4F34B40	F3F1F2F9	F04B40F3	F8F7F9F8	4040F5F0	F2F5F74B	40F040D8	F0F0F36B	F2F0F0C5
(320)	40F2F6F5	F0F440F1	F4F360F1	F34BF5F5	40404F1F	F3F14B40	40F1F3F1	F64B40F1	F4F54B40	40F3F94B
(360)	60F1F24B	F3F460F1	F34BF8F1	60F1F34B	F3F060F1	F34BF3F8	40F1F14B	F5F14040	4040F04B	F0F040F0
(400)	40F2F6F5	F0F440F0	F4F360F1	F44BF9F2	40F1F3F5	F3F54B40	40F2F4F1	F54B40F1	F1F14B40	40F8F24B
(440)	40F1F34B	F5F660F1	F448F2F0	60F1F44B	F2F360F1	F448F4F9	40F1F14B	F5F14040	4040F04B	F0F040F0
(480)	40F2F6F5	F0F640F2	F0F560F1	F54BF0F5	40F2F7F5	F1F14B40	40F4F7F3	F74B4040	40F54B40	40F8F14B
(520)	60F1F44B	F9F460F1	F44BF9F8	60F1F54B	F1F360F1	F54BF4F4	40F1F14B	F5F14040	4040F04B	F0F040F0
(560)	40F2F0F5	F1F14BF3	F9F360F1	F54BF5F8	40F4F3F9	F9F64B40	40F3F7F6	F94B4040	F1F04B40	F1F1F14B
(600)	60F1F54B	F6F460F1	F54BF7F7	60F1F54B	F8F760F1	F54BF6F8	40F1F14B	F5F14040	4040F04B	F0F040F0
(640)	40F2F6F6	F3F24BF0	F8F260F1	F34BF4F6	4040F4F6	F8F94B40	40F2F1F7	F84B4040	F9F44B40	40F9F54B
(680)	60F1F34B	F4F660F1	F34BF6F3	60F1F34B	F6F960F1	F34BF1F2	40F1F04B	F4F64040	4040F04B	F0F040F0
(720)	40F2F0F6	F3F24BF5	F0F260F1	F44BF8F3	40F1F3F8	F5F04B40	40F1F7F3	F04B40F1	F3F54B40	F1F5F34B
(760)	60F1F24B	F8F360F1	F34BF7F4	60F1F34B	F0F760F1	F34BF6F0	40F1F04B	F4F64040	4040F04B	F0F040F0
(800)	40F2F3F6	F3F44BF2	F0F760F1	F44BF8F1	40F3F0F7	F4F64B40	40F3F6F0	F34B4040	F4F84B40	F1F3F44B
(840)	60F1F34B	F8F260F1	F44BF3F0	60F1F34B	F5F660F1	F54BF6F2	40F1F04B	F4F64040	4040F04B	F0F040F0
(880)	40F2F0F7	F6F74BF2	F7F160F1	F44BF6F5	40F4F1F7	F0F24B40	40F2F1F2	F04B40F1	F3F04B40	40F9F24B
(920)	60F1F54B	F7F160F1	F54BF8F7	60F1F54B	F3F760F1	F54BF7F2	40F1F04B	F6F74040	4040F04B	F1F040F0
(960)	40F2F6F2	F8F74BF9	F6F160F1	F34BF2F3	4040F5F2	F4F54B40	40F1F6F4	F04B4040	F5F04B40	F1F0F14B
(1000)	60F1F34B	F3F460F1	F34BF5F4	60F1F34B	F5F960F1	F34BF2F7	40F1F14B	F3F14040	4040F04B	F0F040F0
(1040)	40F2F6F4	F6F160F1	F44BF4F6	40F1F6F0	F6F24B40	40F3F0F6	F84B4040	F4F94B40	40F6F74B
(1080)	60F1F34B	F5F960F1	F34BF3F5	60F1F24B	F6F760F1	F34BF1F9	40F1F14B	F3F14040	4040F04B	F0F040F0
(1120)	40F2F6F5	F9F740F2	F5F560F1	F44BF2F5	40F3F2F0	F8F44B40	40F2F2F0	F54B4040	F9F74B40	40F5F44B
(1160)	60F1F44B	F8F560F1	F44BF9F4	60F1F44B	F9F660F1	F543F5F9	40F1F14B	F3F14040	4040F04B	F0F040F0
(1200)	40F2F6F3	F9F54BF2	F1F160F1	F54BF1F6	40F4F1F5	F6F34B40	40F3F2F9	F84B4040	F6F14B40	F1F3F34B
(1240)	60F1F44B	F8F460F1	F448F7F1	60F1F54B	F2F260F1	F54BF8F8	40F1F14B	F3F14040	4040F04B	F0F040F0
(1280)	40F2F7F0	F1F540F9	F0F060F1	F34BF7F4	4040F3F6	F1F34B40	40F1F2F3	F34B40F1	F3F04B40	40F6F04B
(1320)	60F1F34B	F5F760F1	F348F6F4	60F1F44B	F0F160F1	F44BF0F0	40F1F14B	F3F84040	4040F04B	F0F040F0
(1360)	40F2F7F0	F1F64BF4	F0F060F1	F54BF3F5	40F1F4F8	F4F54B40	40F2F9F8	F34B4040	40F84B40	4040F64B
(1400)	60F1F44B	F1F860F1	F54BF9F0	60F1F44B	F5F960F1	F44BF5F3	40F1F140	F3F84040	4040F04B	F0F040F0
(1440)	40F2F7F0	F1F240F0	F2F560F1	F54BF7F2	40F2F7F7	F2F24B40	40F4F7F9	F34B4040	40F54B40	F1F4F44B
(1480)	60F1F44B	F9F460F1	F54BF0F5	60F1F54B	F3F760F1	F54BF4F0	40F1F14B	F3F84040	4040F04B	F0F040F0
(1520)	40F2F7F5	F2F34BF1	F5F160F1	F54BF5F7	40F4F2F6	F7F24B40	40F3F8F5	F94B4040	F1F84B40	40F7F34B
(1560)	60F1F54B	F7F060F1	F54BF8F3	60F1F54B	F5F360F1	F54BF0F7	40F1F14B	F3F84040	4040F04B	F0F040F0

FILE 1 RECORD 5 LENGTH 320BYTES

(0)	40F2F9F4	F4F54BF7	F4F360F1	F44BF4F9	4040F3F0	F8F84B40	40F2F1F3	F04B4040	F9F24B40	F1F1F64B
(40)	60F1F34B	F9F260F1	F34BF7F5	60F1F34B	F9F060F1	F44BF0F3	40F1F04B	F5F14040	4040F04B	F0F040F0
(80)	40F2F0F4	F4F740F2	F4F060F1	F44BF3F2	40F1F7F4	F4F74B40	40F2F0F1	F74B4040	F5F74B40	F1F5F24B
(120)	60F1F44B	F3F160F1	F44BF5F7	60F1F44B	F7F860F1	F54BF0F5	40F1F04B	F5F14040	4040F04B	F0F040F0
(160)	40F2F9F4	F4F548F2	F7F360F1	F54BF0F1	40F2F7F7	F2F74B40	40F4F2F0	F04B4040	F2F54B40	40F5F74B
(200)	60F1F54B	F2F960F1	F54BF4F9	60F1F54B	F6F460F1	F443F4F3	40F1F04B	F5F14040	4040F04B	F0F040F0
(240)	40F2F9F4	F5F340F7	F7F860F1	F54BF5F7	40F4F1F9	F3F34B40	40F4F2F7	F54B4040	F3F24B40	40F1F74B

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
	1	5	1920	0	0	0	0	0	0

FILE 10 RECORD 1 LENGTH 1920BYTES

(0)	40404040	40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F2F44040	40F8F6F5	4B4040F6	F3F9F74B
(40)	4040 40F9	F6F54B40	40F1F2F6	F04B4040	F1F0F5F5	4B4040F2	F0F5F04B	40F04008	F0F0F36B	F2F0F1C5
(80)	4040 4040	40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F2F44040	F8F3F9F7	4B40F2F0	F2F2F64B
(120)	4040F2F4	F4F54B40	40F3F2F3	F5404040	F4F4F2F1	4B404DF5	F6F0F64B	40F04008	F0F0F36B	F2F0F1C5
(160)	40404040	40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F2F440F2	F0F2F2F6	4B40F5F0	F2F5F74B
(200)	4040F7F5	F8F24B40	40F9F9F5	F34B40F1	F3F1F1F4	4B40F1F7	F8F5F64B	40F04008	F0F0F36B	F2F0F1C5
(240)	4040 4040	40404040	40404040	4040C8C1	D440F1F9	F7F740F3	F2F44040	40F4F6F9	4B40F5F0	F2F5F74B
(280)	40F2F3F7	F8F34B40	F3F1F2F9	F04B40F3	F8F7F9F8	4B40F5F0	F2F5F74B	40F04008	F0F0F36B	F2F0F1C5
(320)	4040F4F9	F5F34BF2	F0F260F1	F340F1F7	4040F2F9	F4F74B40	40F1F5F4	F94B4040	F1F64B40	40F9F64B
(360)	60F1F240	F7F660F1	F248F5F6	60F1F34B	F2F260F1	F34BF2F0	40F1F04B	F2F24040	4040F04B	F0F040F0
(400)	4040F4F9	F5F34BF7	F0F260F1	F340F3F9	40F1F4F1	F5F54B40	40F4F2F9	F54B4040	F2F34B40	F1F6F44B
(440)	60F1F340	F5F160F1	F340F2F9	60F1F34B	F7F860F1	F340F9F4	40F1F04B	F2F24040	4040F04B	F0F040F0
(480)	4040F4F9	F5F540F3	F2F760F1	F34BF4F2	40F3F8F2	F4F64B40	40F5F7F0	F44B40F1	F4F54B40	F1F6F54B
(520)	60F1F340	F5F360F1	F240F6F7	60F1F44B	F0F660F1	F340F7F4	40F1F04B	F2F24040	4040F04B	F0F040F0
(560)	4040F4F9	F6F040F4	F5F24080	F240F9F5	40404DF8	F6F54B40	40404040	F04B40F2	F0F04B40	F1F2F04B
(600)	60F1F34B	F0F260F1	F340F6F0	60F1F44B	F6F960F1	F44BF1F2	40F1F04B	F2F24040	4040F04B	F0F040F0
(640)	4040F5F0	F8F148F1	F4F160F1	F34BF0F4	4040F1F6	F0F34B40	40F1F1F2	F94B40F1	F1F54B40	F1F7F84B
(680)	60F1F24B	F0F360F1	F248F9F1	60F1F54B	F0F760F1	F348F1F0	40F1F04B	F1F74040	4040F04B	F0F040F0
(720)	4040F5F0	F8F148F8	F4F150F1	F34BF9F2	40F1F4F3	F3F24B40	40F3F5F7	F04B40F1	F2F14B40	40F4F54B
(760)	60F1F34B	F6F560F1	F34BF8F9	60F1F44B	F6F160F1	F448F3F9	40F1F04B	F1F74040	4040F04B	F0F040F0
(800)	4040F5F0	F0F348F2	F0F660F1	F540F2F5	4040F6F8	F6F74B40	40F8F5F5	F34B4040	F8F34B40	40F2F74B
(840)	60F1F44B	F1F060F1	F44BF9F5	60F1F54B	F1F760F1	F44BF6F8	40F1F04B	F1F74040	4040F04B	F0F040F0
(880)	4040F5F0	F8F540F3	F9F14060	F248F9F5	40404DF8	F6F54B40	40404040	F04B40F2	F0F04B40	F1F5F04B
(920)	60F1F54B	F5F260F1	F540F8F7	60F1F54B	F9F160F1	F540F7F2	40F1F04B	F1F74040	4040F04B	F0F040F0
(960)	4040F5F2	F0F540F5	F2F260F1	F248F5F0	4040C8C1	D440F1F9	F7F740F3	F2F44040	F64B40F1	F5F24B40
(1000)	60F1F24B	F7F460F1	F248F9F6	60F1F24B	F9F260F1	F248F7F2	40F1F04B	F1F34040	4040F04B	F1F040F0
(1040)	4040F5F2	F0F940F5	F8F260F1	F340F8F0	40F1F4F5	F1F34B40	40F4F0F8	F04B4040	F6F74B40	F1F2F34B
(1080)	60F1F243	F2F160F1	F248F3F8	60F1F34B	F0F060F1	F448F4F4	40F1F04B	F1F34040	4040F04B	F1F040F0
(1120)	4040F5F2	F1F148F2	F0F560F1	F248F5F1	40F4F6F0	F3F44B40	40F5F2F3	F04B40F1	F4F94B40	F1F6F24B
(1160)	60F1F34B	F5F560F1	F448F5F0	60F1F24B	F7F560F1	F349F5F6	40F1F04B	F1F34040	4040F04B	F1F040F0
(1200)	4040F5F2	F1F648F3	F3F140F0	F248F9F5	4040C8C1	D440F1F9	F6F54B40	40404040	F14B40F2	F0F04B40	4040F148
(1240)	60F1F44B	F1F160F1	F44BF3F0	60F1F44B	F4F660F1	F44BF4F9	40F1F04B	F1F34040	4040F04B	F1F040F0
(1280)	4040F5F3	F3F74BF0	F1F960F1	F248F5F1	4040F2F8	F1F54B40	40F1F9F3	F24B4040	F8F24B40	40F4F94B
(1320)	60F1F14B	F6F460F1	F248F9F0	60F1F24B	F5F760F1	F243F8F7	40F1F04B	F0F94040	4040F04B	F0F040F0
(1360)	4040F5F3	F3F74BF5	F1F960F1	F348F0F7	4040F7F8	F3F14B40	40F3F1F0	F24B4040	F3F74B40	F1F0F44B
(1400)	60F1F24B	F8F460F1	F248F5F5	60F1F240	F7F260F1	F243F9F8	40F1F04B	F0F94040	4040F04B	F0F040F0
(1440)	4040F5F3	F3F940F1	F4F480F1	F540F0F6	40F2F8F2	F4F84B40	40F7F1F0	F64B4040	F2F54B40	40F5F54B
(1480)	60F1F44B	F1F760F1	F248F9F7	60F1F34B	F3F860F1	F348F8F9	40F1F04B	F0F94040	4040F04B	F0F040F0
(1520)	4040F5F3	F4F44BF2	F5F94060	F248F9F5	4040C8C1	F6F54B40	40404040	F04B40F2	F0F04B40	40F3F14B
(1560)	60F1F44B	F9F660F1	F540F7F1	60F1F54B	F5F560F1	F54BF9F4	40F1F04B	F0F94040	4040F04B	F0F040F0
(1600)	4040F5F4	F0F44BF9	F5F360F1	F240F0F8	4040F2F4	F7F54B40	4040F7F2	F94B40F1	F6F94B40	F1F2F34B
(1640)	60F1F24B	F1F560F1	F24BF7F9	60F1F14B	F8F360F1	F148F0F3	40F1F04B	F0F44040	4040F04B	F0F040F0
(1680)	4040F5F4	F8F54BF4	F5F860F1	F24BF5F5	40F1F0F5	F6F94B40	40F3F8F0	F34B40F1	F0F84B40	F1F3F94B
(1720)	60F1F34B	F4F260F1	F44BF3F1	60F1F24B	F5F860F1	F34BF7F6	40F1F04B	F0F44040	4040F04B	F0F040F0
(1760)	4040F5F4	F5F74BF0	F8F360F1	F348F8F0	40F2F1F2	F3F54B40	40F2F1F7	F24B40F1	F5F84B40	40F9F64B
(1800)	60F1F140	F7F460F1	F248F9F6	60F1F340	F4F160F1	F34BF9F7	40F1F04B	F0F44040	4040F04B	F0F040F0
(1840)	4040F5F4	F7F240F2	F0F34060	F24BF9F5	40404DF8	F6F54B40	40404040	F04B40F2	F0F04B40	40F8F24B
(1880)	60F1F44B	F5F560F1	F548F4F3	60F1F54B	F8F260F1	F549F9F2	40F1F04B	F0F44040	4040F04B	F0F040F0

FILE 11 RECORD 2 LENGTH 32 BYTES

(0)	4040F8F7	F9F14BF3	F7F760F1	F148F3F7	4040F5F1	F1F74B40	40F1F1F1	F5494BF1	F7F54B40	40F2F54B
(40)	60F1F24B	F1F460F1	F24BF5F7	60F1F24B	F2F460F1	F148F0F0	4040F04B	F8F94040	4040F04B	F1F040F0
(80)	4040F8F7	F9F148F8	F7F760F1	F24BF9F3	4040F7F7	F7F94B40	40F1F7F6	F04B40F1	F4F34B40	40F2F64B
(120)	60F1F34B	F3F460F1	F348F0F6	60F1F34B	F7F160F1	F249F0F7	4040F84B	F8F94040	4040F04B	F1F040F0
(160)	4040F8F7	F9F548F5	F0F260F1	F548F5F4	40F3F9F7	F8F04B40	40F3F0F7	F14B40F1	F3F74B40	F1F7F34B
(200)	60F1F148	F0F360F1	F548F0F0	60F1F34B	F9F360F1	F443F0F8	4040F84B	F8F94040	4040F04B	F1F040F0
(240)	4040F8F7	F9F248F5	F2F740F0	F24BF7F5	4040F8F5	F5F54B40	4040C4C9	F04B40F2	F0F04B40	F1F3F04B
(280)	60F1F44B	F5F360F1	F44BF8F6	60F1F34B	F8F260F1	F548F1F5	4040F84B	F8F94040	4040F04B	F1F040F0

ISEE 1

ENG. ELECTRON + PROTONS, REVISED

77-102A-09D SPMS-00036

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON A 6600 COMPUTER AND WAS RESTORED ON THE MRS SYSTEM. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005279	DS005279	D035056	2	11/10/77 - 11/20/77

9/14/79

Magnetopause Workshop Tape Format

The ISEE-1 workshop tape is 9-track, 1600 BPI, odd parity, unlabelled, all values written in CDC 6600 floating point.

1 physical record = 1 logical record = 14 60-bit words

missing data flag = -1.Ø

1 record every 12 spins (1 scan)

File 1	94 records	Nov. 10, 1977	1420-1530	lo bitrate
EOF				
File 2	120 records	Nov. 20, 1977	0050-0225	lo bitrate*
2 EOF's				

Record format:

Word	Value
1	1. ISEE-1 satellite ID
2	Date - start time of scan as yydddssssss. (year,day of year,seconds of day)
3	Geocentric distance in thousandths of earth radii
4	Electrons 75-120 keV, counts/second average of spins 4/7 (upscan) or

*ISEE-1 data has been archived from Nov. 9, 1977, through Oct. 15, 1978. The one hi bitrate time period available in our data, Sept. 8, 1978, 0015-0115 was totally contaminated by the on-board Harvey sounder.

77-102A-09D

Word	Value
	16/19 (downscan)**
5	Electrons, 22.5-39 keV, counts/second average of spins 4/7 or 16/19
6	Protons, 142-210 keV, counts/second average of spins 4/7 or 16/19
7	Protons 24-44.5 keV, counts/second average of spins 4/7 or 16/19
8	Electrons 22.5-39 keV, counts/second, spin Ø or 23 ("bottom" position)
9	Electrons 22.5-39 keV, counts/second, spin 11 or 12 ("top" position)
10	Protons 24-44.5 keV, counts/second, spin Ø or 23
11	Protons 24-44.5 keV, counts/second spin 11 or 12
12	Bx)
13	By } Central point in the scan, in gammas
14	Bz)

** All particle counts are spin-averaged.

D-35056

A-09D

11/10/77-11/20/77

DUMP OF TAPE X-214

INPUT TAPE X-214 ON MS2
DATA INPUT 09 NF 2 FL 2 1 1

FILE 1 RECORD 1 LENGTH 140BYTES

(0)	172040000000	000000C01760	714651136340	000017354C4C	177777777777	172345577670	155303201721	733214730561
(48)	725117176140	400644642067	172262575555	107376C51726	445252763604	235417207332	147305617251	172551116422
(96)	210017471721	425174676327	621560523446	777777777777	172474230000	000000001720	722000000000	0000

FILE 1 RECORD 94 LENGTH 140BYTES

(0)	172040000000	000000C01760	714651234610	000017346214	377777777777	173550243320	021023171736	537245527651
(48)	325617324305	674642452571	173543766740	636365151735	731323624075	701117357005	033173236476	173454501002
(96)	163761511734	503436556520	467663513033	577777777777	605203153777	777777771727	461130000000	0000

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	94	95	105	0	0	0	0	0	0

FILE 2 RECORD 1 LENGTH 140BYTES

(0)	172040000000	000000C01760	714706154700	000017355774	400000000000	605737777777	777777776057	377777777777
(48)	777760573777	777777777777	605737777777	777777771725	456374760045	637417207710	211464137336	605737777777
(96)	777777771721	520540631535	222460560237	777777777777	605326437777	777777776054	055777777777	7400

FILE 2 RECORD 120 LENGTH 140BYTES

(0)	172040000000	000000C01760	714706306270	000017355C31	777777777777	173242711440	352605771734	617767076545
(48)	145217206446	710000644671	173265333771	006533371734	413554413356	207017337640	640204132400	173151077056
(96)	470256221732	411005542355	732260531172	777777777777	605420777777	777777771725	663240000000	0000

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	120	121	105	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 2 # OF PERMANENT READ ERRORS 0

START TIME 09/26/79 12:24:01 STOP TIME 09/26/79 12:24:14

$$
$ASS IN MS4 OUT MS2

REQ. AGENT	RAND NO.	ACQ. AGENT
GLS	V0257	EJS

ISEE 1

MEDIUM ENERGY PARTICLES INSTRUMENT DATA
(MEPI)

77-102A-09G

This data set catalog consists of 1 magnetic tape. The tape is 9 track, 1600 BPI, ASCII with one file of data. The tape was created on an VAX 11 computer. The time span and D and C numbers are as follows:

D#	C#	TIME SPAN
D-63553	C-24076	4/24/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-09G

DATE DATA RECEIVED: 02/17/84

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 mag. tape

SATELLITE NAME/NSDF NAME: ISEE 1

EXPERIMENT NAME:

DATA SET FULL NAME: MEDIUM ENERGY PARTICLES INSTRUMENT (MEPI)

CONTACT: _____ ACQUISITION SCIENTIST: [redacted] EJS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: ☑ A NEW DATA SET ☐ ADDITIONS ☐ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D 62553 C 24076

REMARKS:

CDAW

Time Coverage
4/24/79

DATA RECEIPT NOTIFICATION SENT? ☐

Hal Schneider
DATA TECHNICIAN

CDAW DATA SET ENTRY

Date July 13 1984

Date Received July CDB 7 Sent By Don Williams (via J. King)

Material Received 1 mag tape; 14 pp documentation

NSSDC ID 77-102A-09G (corrected) New Additional Replacement

NSSDC Data Set Name MEDIUM ENERGY PARTICLES (MEPI)

CDAW ID I109 New Additional Replacement

CDAW Data Set Name Energetic Electron Protons

Time Coverage Apr 24, 1979 9-13 UT

Comments:

Tapes to be Returned to:

DD Number 63553 X Number

Initiated by Ellen Hemmer

Additional Information Supplied by

ISEE-1 DATA TAPE DESCRIPTION
MEDIUM ENERGY PARTICLES INSTRUMENT

D. J. Williams & J. P. Townsend

The Instrument

The ISEE-1 Medium Energy Particles Instrument (MEPI) measures proton and electron fluxes over the respective energy ranges $24 \leq E_p \leq 2081$ keV and $22.5 \leq E_e \leq 1200$ keV. MEPI data are available in either a low bit rate (LBR) or high bit rate (HBR) mode. Approximately 80% of the data are LBR with the remainder being HBR. Data are available from 10 November 1977 through 8 September 1979.

The directional differential flux is obtained from counts per readout interval (counts/sector) in the two bit rate modes as follows:

Protons

LBR: $j(\text{protons/cm}^2 \text{ sec ster keV}) = 353.7/\Delta E \times \text{counts/sector}$
HBR: $j(\text{protons/cm}^2 \text{ sec ster keV}) = 707.3/\Delta E \times \text{counts/sector}$
where ΔE = the channel width in keV.

Electrons

LBR: $j(\text{electrons/cm}^2 \text{ sec ster keV}) = K_{lbr} \times \text{counts/sector}$
HBR: $j(\text{electrons/cm}^2 \text{ sec ster keV}) = K_{hbr} \times \text{counts/sector}$
where K_{lbr} and K_{hbr} are conversion factors which vary with energy channel for LBR and HBR, respectively.

Table 1 (LBR) and Table 2 (HBR) give all the necessary information to convert the MEPI data to flux, to identify energy channels, and to construct appropriate plots. Note that a single multiplicative conversion factor is given for protons, i.e. $K \equiv 353.7/\Delta E$ (LBR) or $707.3/\Delta E$ (HBR).

The MEPI does not distinguish between ion species. Tables 1 and 2 list the proton response only. The energy response changes with ion species. For example, the lowest energy response of 24 keV for protons becomes 28.4 keV for helium ions and 60 keV for oxygen ions. A table of MEPI helium and oxygen sensitivities is available on request.

The detector head is mounted on a scan platform which continuously scans in polar angle relative to the ISEE-1 spin axis which in turn is oriented normal to the ecliptic plane. This scan is synchronized to the satellite spin rate and takes 12 spins to cover an angular range from 10 degrees to 170 degrees, at which point, the scan is reversed. The spin axis polar angles are defined such that 0 degrees is in the direction of the south ecliptic pole and 180 degrees in the direction of the north ecliptic pole.

In LBR (HBR), 8 (16) samples in azimuth around the spin axis are made for each spin during the polar angle scan. The ISEE-1 spin period is ~3 seconds. Thus a three dimensional sampling of 96 (192) points is made over the unit sphere every 12 spins (~36 seconds) in LBR (HBR). Each of these 96 (192) samples contains simultaneously observed 8 (16) channel proton and electron spectra as detailed in Table 1 (2). Figure 1 shows a schematic of the unit sphere sample in HBR. Figure 2 shows the relationship between LBR and HBR sectoring.

Historically, spin and sector numbering is given respectively as 0-11 and 0-7(15) in MEPI instrument descriptions (Figures 1 and 2). However, the convention of 1-12 and 1-8(16) is used for data tape descriptions.

The Data Tape

The ISEE-1 Medium Energy Particle Instrument (MEPI) data tape (henceforth, the MEPI tape) is a nine (9) track, 1600 bpi, unlabelled, ASCII encoded tape. The MEPI tape contains one or more physical files. Each file is terminated with a single end-of-file (EOF) mark. There are two consecutive EOFs following the last file on the MEPI tape (i.e. end of volume).

The files on the MEPI tape correspond to the user requested time periods. Each file contains ISEE-1 electron/proton observations (counts/sector), header information, and measured pitch angles for the requested time period. Refer to the tape file directory included with the documentation for file/date relationships. All files contain variable length records with the maximum record size being 6144 (8-bit) bytes.

NOTE: Information may be obtained from:

J. P. Townsend (301) 953-5000 X8416

or

D. J. Williams (301) 953-5000 X5405
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20707

Files

Each file on the ISEE-1 MEPI data tape is organized into logical sets of records. Each logical set of records comprises the basic ISEE MEPI scan time frame of twelve (12) ISEE-1 spins (~36 seconds). This basic time frame is called a scan and is defined as either up (0) or down (1). When the scan is up, the particle detector will traverse the latitudinal range of the experiment (~160 degrees) from south to north (10 to 170). The down scan direction is north to south (170 to 10). The user should be aware of the scan direction when performing time and latitudinal averaging.

With each logical record set, there are three (3) types of records:

(1) a header record

(2) a pitch angles record

(3) multiple particle records

The header record contains time, satellite position/attitude information, bit rate, and scan direction. All header records are 280 bytes in length. The bit rate field in the header record will determine the length of the following pitch angles and magnetometer records and the number of subsequent particle records in the logical record set. Bit rate is defined as either low (0) or high (1). As MEPI generates twice as many energy channels and sectors

in high bit rate than in low bit rate, there is four times as much data in high bit rate.

The pitch angles record contains a two dimensional matrix of measured pitch angles for the scan. For low bit rate (LBR) data, the dimensions of this matrix are 8 (sectors) × 12 (spins). For high bit rate (HBR), the dimensions are 16 (sectors) × 12 (spins). The pitch angle values in this matrix refer to the center point of the MEPI sample (Figures 1 and 2) and correspond directly to the particle matrices described below. Pitch angle values for sector boundaries can be obtained to good approximation by interpolation.

The particle records contain a three dimensional matrix of electron/proton observations for specific energy ranges (channels). For LBR data, there are two particle records per logical record set. The first record contains proton measurements and the second record contains electron measurements. The dimensions of a LBR particle matrix are 8 (sectors) × 12 (spins) × 8 (channels). For HBR data, there are eight particle records per logical record set. The first four particle records contain proton measurements and the last four contain electron measurements. The dimensions of a HBR particle record are 16 (sectors) × 12 (spins) × 4 (channels). A detailed description of all record types is in the next section.

There may be time gaps in the data on the tape. This condition can usually be detected when the time in the header record is significantly larger than the expected time (~36 seconds greater than the last time seen). Missing data items in existing data records are flagged as -1.

Finally, we include the following information concerning data integrity and interference. There are two phenomena which occur often enough and are serious enough to merit special discussion.

The first condition is MEPI calibration. When calibration is in progress, the particle data will contain interference in any or all channels. The interference will usually enhance the counts in any affected channels and is generally easy to detect due to brevity and high count level. A printout of this effect is included for reference.

The second condition involves interference generated by the ISEE-1 Electron Density Experiment (C.C. Harvey, P.I.). Whenever the transmitter in the Harvey instrument is on, interference occurs in the MEPI particle data. The channel which is affected the greatest is proton channel 1 (P1). When Harvey is present, P1 will be enhanced to easily detectable levels (refer to the attached sample printout for Harvey example). Channels P2, E1, and E2 will also be affected, although not as much as P1. Therefore, when Harvey is encountered in channel P1, it is recommended that these four channels (P1, P2, E1, E2 in LBR; P1o, P1e, E1o, E1e in HBR) not be used.

Records

Header Record Description

The first record in a logical record set is the header record. This record contains time, satellite position/attitude information, and other parameters. The first eight (8) fields are integer and the remaining twenty-six (26) are real. A Fortran format statement used to read the header record would be:

1000 FORMAT (8I4, 26F10.2)

The description of the integer variables (IHEAD) and the floating point variables (FHEAD) follows. All coordinate positions are in kilometers (km) and latitude/longitude positions in degrees.

IHEAD(1) YY - year *This time corresponds to spin 1, sector 1 in an up scan and spin 13 sector 1 in a down scan.
IHEAD(2) DD - day (Julian)
IHEAD(3) HH - hour
IHEAD(4) MM - minute
IHEAD(5) SS - second
IHEAD(6) BIT RATE (0=LO,1=HI)
IHEAD(7) PHYSICAL REGIME (0=TRAPPING REGION, 1=TAIL, 2=MAGNETOSHEATH, 3=INTERPLANETARY)
IHEAD(8) SCAN DIRECTION (0=UP, 1=DOWN)
FHEAD(1) L - MCILWAIN PARAMETER
FHEAD(2) B/BO - MAGNETIC FIELD RATIO
FHEAD(3) R - SATELLITE GEOCENTRIC DISTANCE
FHEAD(4) SATELLITE GSE X COORDINATE
FHEAD(5) SATELLITE GSE Y COORDINATE
FHEAD(6) SATELLITE GSE Z COORDINATE
FHEAD(7) SATELLITE GEOGRAPHIC LATITUDE
FHEAD(8) SATELLITE GEOGRAPHIC LONGITUDE
FHEAD(9) MAG VECTOR, GSE LATITUDE
FHEAD(10) MAG VECTOR, GSE LONGITUDE
FHEAD(11) SATELLITE LATITUDE, GSM
FHEAD(12) SATELLITE LONGITUDE, GSM
FHEAD(13) Ro
FHEAD(14) Xm SATELLITE POSITION, GSM X
FHEAD(15) Ym SATELLITE POSITION, GSM Y
FHEAD(16) Zm SATELLITE POSITION, GSM Z
FHEAD(17) SATELLITE SUBSOLAR LATITUDE, GSM
FHEAD(18) SATELLITE SUBSOLAR LONGITUDE, GSM
FHEAD(19) SES SUN-EARTH-SATELLITE ANGLE
FHEAD(20) SAO SPIN AXIS GSE LATITUDE
FHEAD(21) SAO SPIN AXIS GSE LONGITUDE
FHEAD(22) SPR SPIN PERIOD
FHEAD(23) GSE TO GSM TRANS
FHEAD(24) GSE TO GEI TRANS(LAMDA)
FHEAD(25) GSE TO GEI TRANS(E)
FHEAD(26) PASS (SATELLITE ORBIT NUMBER)

Pitch Angles Record Description

The second record in each logical record set is a pitch angles record.

For LBR data, the pitch angles are contained in an 8 × 12 matrix. The Fortran format statement used to read the LBR pitch angles record would be:

1001 FORMAT (96F5.1)

The pitch angles are sector-spin ordered (i.e. sectors 1-8 for spin 1 followed by sectors 1-8 for spin 2, etc...). Refer to the sample input program included in the documentation.

For HBR data, the pitch angles are contained in a 16 × 12 matrix. The Fortran format statement used to read the pitch angles would be:

1002 FORMAT (192F5.1)

As with LBR, the HBR pitch angles are sector-spin ordered. See the sample input program for more details.

The length (in bytes) of a LBR pitch angles record is 480 and HBR is 960.

Particle Record Description

The third and subsequent records in a logical record set are the particle records. All particle records are 6144 bytes in length.

For LBR data, there are two particle records per logical record set, each containing a 8 (sector) × 12 (spin) × 8 (channel) matrix. The Fortran format statement used to read a LBR particle record would be:

1005 FORMAT (768F8.0)

The first LBR particle record contains proton channels 1 through 8 and the second contains electron channels 1 through 8. The records are sector-spin-channel ordered. See the sample input program.

For HBR data, there are eight (8) particle records per logical record set, each containing a 16 (sector) × 12 (spin) × 4 (channel) matrix. The Fortran format statement used to read a HBR particle record would be the same as with LBR (see 1005 above). The particle record/energy channel relationships are:

Particle Record	Type	Channels
1	protons	1-4
2	protons	5-8
3	protons	9-12
4	protons	13-16
5	electrons	1-4
6	electrons	5-8
7	electrons	9-12
8	electrons	13-16

As with LBR, the HBR particle records are sector-spin-channel ordered. See sample input program for more details.

Table 1
ISEE-1 MEPI
D. J. Williams

LOW BIT RATE

Proton Channel	Energy Passband (keV)	Center Energy (keV)	ΔE (keV)	K	Electron Channel	Energy Passband (keV)	Center Energy (keV)	ΔE (keV)	K
P1	24.0-44.5	34.25	20.5	17.25	e1	22.5-39	30.75	16.5	22.78
P2	44.5-65.3	54.9	20.8	17.00	e2	39-75	57	36	20.88
P3	65.3-95.5	80.4	30.2	11.71	e3	75-120	97.5	45	2.17
P4	95.5-142	118.75	46.5	7.61	e4	120-189	154.5	69	1.82
P5	142-210	176	68	5.20	e5	189-302	245.5	113	1.94
P6	210-333	271.5	123	2.876	e6	302-477	389.5	175	0.601
P7	333-849	591	516	0.6855	e7	477-756	616.5	279	0.496
P8	849-2081	1465	1232	0.2871	e8	756-1200	978	444	0.494

$j(\#/cm^2 sec\ ster\ keV) = K \times counts/sector$

o=odd
e=even

Table 2
ISEE-1 MEPI
D. J. Williams

HIGH BIT RATE

Proton Channel	Energy Passband (keV)	Center Energy (keV)	ΔE (keV)	K	Electron Channel	Energy Passband (keV)	Center Energy (keV)	ΔE (keV)	K
P1o	24.0-34.2	29.1	10.2	69.34	e1o	22.5-30.5	26.5	8	109.7
P1e	34.2-44.5	39.35	10.3	68.67	e1e	30.5-39.0	34.75	8.5	68.7
P2o	44.5-54.8	49.65	10.3	68.67	e2o	39-60	49.5	21	27.9
P2e	54.8-65.3	60.05	10.5	67.36	e2e	60-75	67.5	15	70.2*
P3o	65.3-78.0	71.65	12.7	55.69	e3o	75-94.5	84.25	19.5	11.7
P3e	78.0-95.5	86.75	17.5	40.42	e3e	94.5-120	107.25	25.5	6.88
P4o	95.5-117.3	106.4	21.8	32.44	e4o	120-150	135	30	6.05
P4e	117.3-142	129.65	24.7	28.64	e4e	150-189	169.5	39	9.00
P5o	142-169	155.5	27	26.20	e5o	189-238	213.5	49	10.7
P5e	169-210	189.5	41	17.25	e5e	238-302	270	64	5.87
P6o	210-263	236.5	53	13.35	e6o	302-380	341	78	3.07
P6e	263-333	298	70	10.10	e6e	380-477	428.5	97	2.01
P7o	333-543	438	210	3.368	e7o	477-602	539.5	125	1.91
P7e	543-849	696	306	2.311	e7e	602-756	679	154	2.13
P8o	849-1318	1083.5	469	1.508	e8o	756-952	854	196	2.24
P8e	1318-2081	1699.5	763	0.9270	e8e	952-1200	1076	248	2.12

$j(\#/cm^2 sec\ ster\ keV) = K \times counts/sector$

*This value is suspect. Do not use this channel.

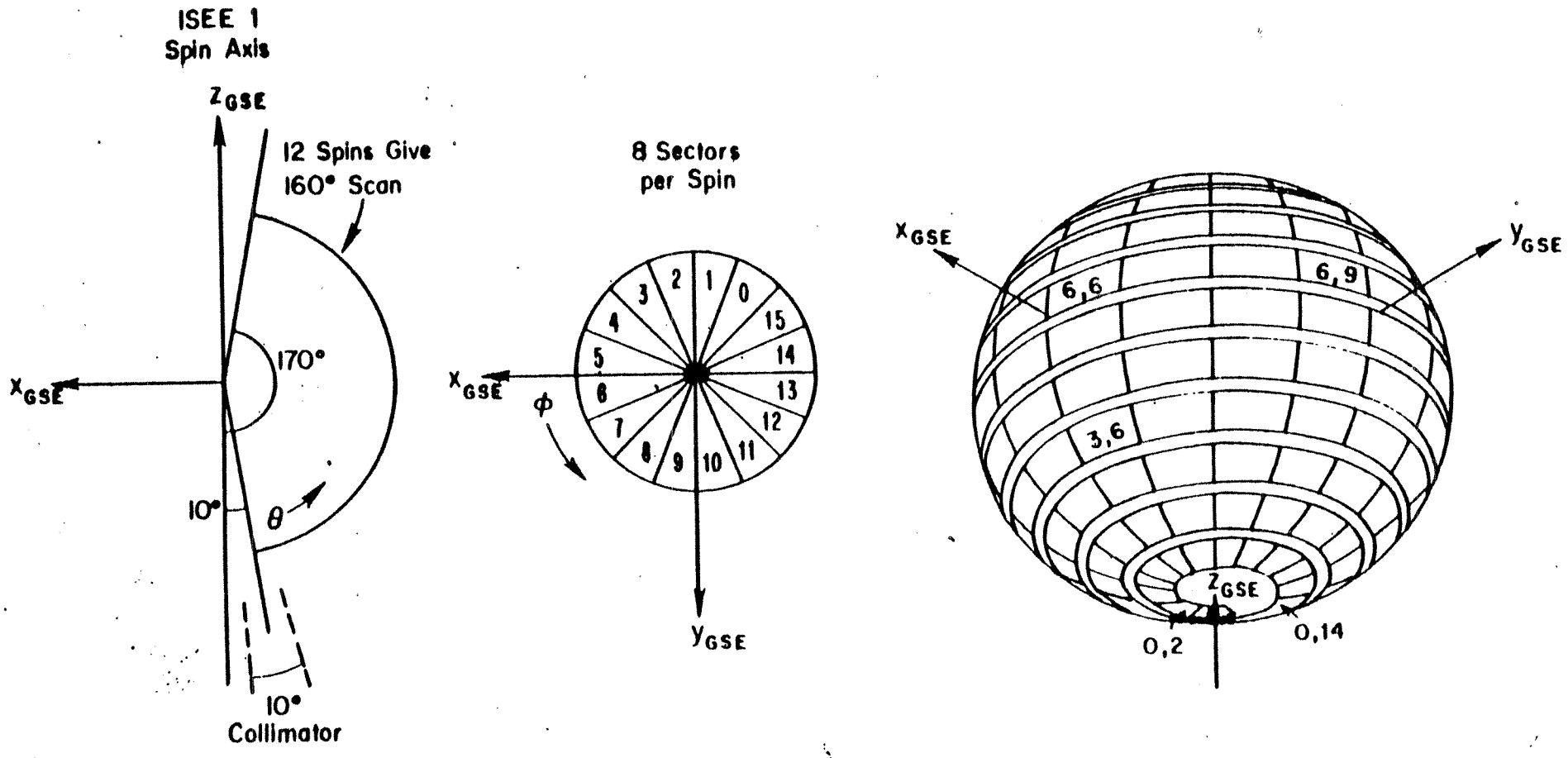
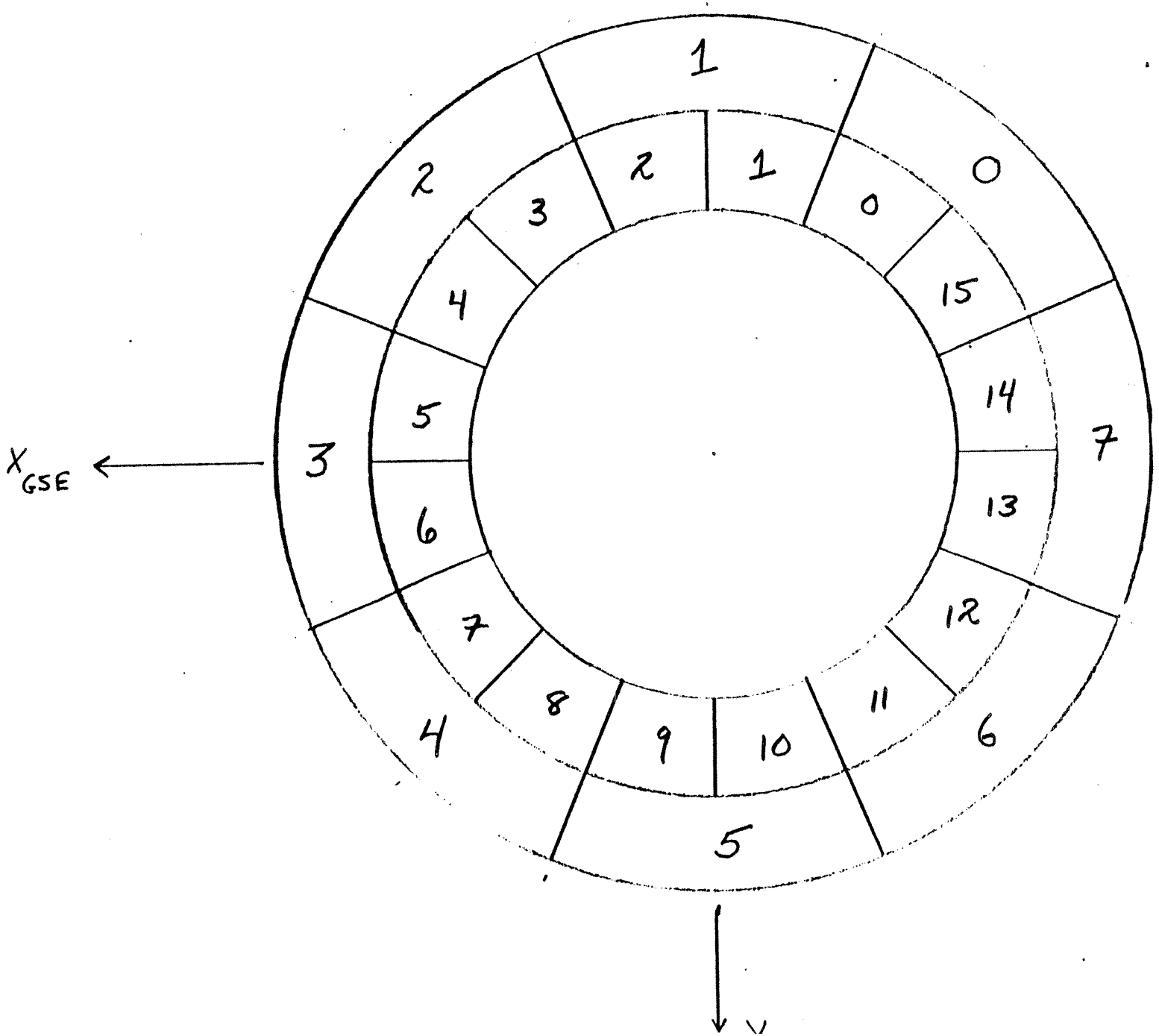


Figure 1 - MEPI 3-D sampling schematic. M, N on sphere gives spin#, sector #.

Figure 2. LBIC AND HBIC SECTOR RELATIONSHIP



SPIN	ELECTRON 3 ODD											OCT 26, 1978 299 00:40:27				
11	0	0	1	0	0	0	1	0	1	1	1	0	0	0	0	0
10	1408	800	336	144	42	15	4	2	3	0	0	1	1	0	1	0
9	1	1	2	5	16	52	168	480	992	1728	2560	3072	3328	3328	2944	-1
8	2	1	1	0	1	2	0	0	0	0	0	2	4	0	1	1
7	2	2	0	0	2	1	1	0	0	1	0	1	1	0	1	2
6	2	1	2	0	1	0	1	0	0	0	0	0	3	2	3	0
5	0	2	0	0	1	0	1	0	0	0	0	0	2	2	0	1
4	0	0	0	0	1	0	1	1	1	0	0	0	0	1	1	1
3	2	1	1	1	1	1	0	1	1	1	0	0	1	0	2	1
2	0	0	0	0	2	0	2	1	2	1	1	0	1	1	1	2
1	1	0	0	0	0	1	0	1	1	1	1	0	1	2	1	0
0	1	2	0	0	0	1	0	1	0	0	1	1	2	2	0	0

SPIN	ELECTRON 3 EVEN											OCT 26, 1978 299 00:40:27				
11	1	3	0	1	1	0	1	0	0	1	1	0	1	1	1	0
10	2432	3072	3456	3584	3712	3584	3328	2944	2304	1536	864	400	160	72	22	6
9	1	2	1	1	1	3	1	1	3	5	19	46	144	384	864	1600
8	2	1	1	0	0	1	1	1	2	0	1	2	0	0	1	0
7	2	2	2	0	1	0	4	1	0	1	2	1	0	0	0	0
6	1	0	1	0	1	0	4	0	0	1	1	0	0	3	0	0
5	0	2	0	1	1	0	3	0	0	1	0	0	0	0	0	0
4	0	1	0	0	2	0	2	0	0	1	0	0	0	-1	0	0
3	1	0	0	1	2	0	0	1	2	0	0	1	2	0	1	
2	1	2	2	1	0	0	1	1	0	0	0	0	2	0	0	
1	1	0	0	0	2	1	1	0	2	1	0	2	0	1	2	1
0	2	1	0	2	1	0	1	1	1	0	0	0	1	2	0	0

SECTOR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

CALIBRATION EXAMPLE

SPIN	PROTON 1 ODD											OCT 26, 1978	299	00:40:27		
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	2048	1536	1088	704	416	240	112	56	30	7	5	2	2	0	0	
9	44	96	208	448	768	1152	1600	2176	2560	2944	3200	3456	3328	3200	2944	-1
8	0	0	2	2	1	1	2	1	768	0	1	1	0	3	6	13
7	0	2	1	0	2	1	2	3	2	0	0	0	0	0	0	0
6	2	0	1	1	0	1	6	4	0	2	1	1	0	3	0	1
5	1	0	0	0	4	1	9	6	0	5	2	2	0	0	0	0
4	0	1	1	1	7	7	12	7	6	8	5	4	2	2	1	0
3	1	2	2	1	4	11	9	7	12	9	6	3	3	1	2	2
2	1	2	3	2	4	3	11	11	3	7	8	4	5	9	2	1
1	1	5	4	4	5	8	7	11	6	6	3	11	11	9	6	1
0	3	2	5	6	8	5	6	4	9	12	7	4	13	4	1	2

SPIN	PROTON 1 EVEN											OCT 26, 1978	299	00:40:27		
11	448	288	136	52	16	5	2	1	0	0	0	0	0	0	0	
10	1728	2304	2816	3072	3328	3584	3584	3584	3584	3328	2944	2688	2176	1728	1280	7
9	0	0	0	1	2	1	4	5	15	30	72	136	288	496	832	12
8	0	0	0	0	0	0	0	1	8	0	0	0	0	0	0	
7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	1	2	0	0	2	2	0	0	2	0	0
5	0	0	0	0	1	1	3	0	0	4	3	0	0	0	0	0
4	0	1	0	0	1	0	3	1	0	7	4	0	1	-1	1	0
3	0	0	2	0	0	0	1	3	0	6	1	0	0	0	0	0
2	0	1	2	0	0	3	0	1	3	0	2	1	1	1	1	0
1	1	2	2	2	0	0	1	1	0	3	1	2	0	1	0	0
0	0	-1	0	2	2	1	0	3	3	0	2	1	0	1	1	0

SECTOR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

CALIBRATION EXAMPLE

SPIN	PROTON 1 ODD											MAY 3, 1978 123 04:21:01				
11	0	3	0	1	0	0	1	1	1	0	1	0	1	1	0	3
10	1	1	1	1	0	2	2	1	0	2	0	0	0	1	2	1
9	58	23	60	30	23	19	7	5	12	1	2	1	6	0	1	4
8	4608	3840	3200	2304	1920	1536	1088	800	800	464	432	216	216	184	112	76
7	30720	32768	32768	29696	26624	24576	22528	20480	17408	16384	13824	11776	10240	7936	6912	5376
6	69632	69632	65536	63488	61440	59392	47104	18432	12288	11264	1728	336	43008	40960	36864	31744
5	86016	86016	86016	81920	81920	81920	69632	69632	65536	69632	69632	65536	73728	73728	73728	69632
4	77824	77824	81920	81920	81920	81920	81920	81920	81920	86016	86016	86016	86016	86016	86016	86016
3	51200	53248	55296	55296	57344	59392	61440	63488	63488	65536	65536	69632	69632	73728	73728	77824
2	19456	20480	21504	23552	24576	26624	29696	30720	34816	34816	36864	40960	40960	45056	45056	49152
1	2816	3328	3840	4608	5376	5888	6144	7168	8192	8704	10240	11264	12800	14336	15872	17408
0	1024	992	960	1152	1344	1408	1280	1472	1344	1600	1600	1984	2048	2304	2432	2432

SPIN	PROTON 1 EVEN											MAY 3, 1978 123 04:21:01				
11	0	0	0	0	0	0	0	1	2	1	1	0	0	1	1	0
10	0	1	1	1	0	2	1	2	0	0	1	0	0	1	1	0
9	1	0	0	1	1	0	0	0	2	0	2	1	1	1	3	2
8	2	1	0	2	0	1	2	0	0	1	1	1	0	0	0	1
7	100	116	120	88	60	42	40	26	25	15	13	5	4	8	6	3
6	1216	1024	928	832	736	672	1344	1216	1280	1216	1280	1216	216	192	152	108
5	2688	2816	2688	2560	2688	2432	2176	1984	2048	2048	2176	2048	1600	1600	1472	1280
4	1920	1984	2176	2176	2176	2304	2560	2432	2560	2560	2688	2688	2688	2688	2816	2816
3	448	448	544	608	640	672	736	896	928	1088	960	1216	1344	1536	1600	1728
2	28	36	42	48	58	64	92	104	128	120	168	216	208	288	320	368
1	1	4	3	1	3	1	2	10	5	7	4	9	9	6	18	13
0	0	0	1	1	0	1	1	3	0	3	1	0	0	1	1	3

SECTOR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

EXAMPLE OF INTERFERENCE FROM HARVEY EXPERIMENT

```
      SAMPLE INPUT ROUTINE FOR ISEE TAPE
      REAL*4 PALO(8,12),PAHI(16,12)
      REAL*4 FHEAD(26),JLO(16,8,12),JHI(32,16,12)
      INTEGER*4  IHEAD(8)
                                    OPEN THE ISEE TAPE FILE
      OPEN(1,RECORDTYPE='VARIABLE',RECL=6144,FORM='FORMATTED',
     1       BLOCKSIZE=6144,TYPE='OLD',READONLY)
      DO WHILE (ISTOP.EQ.0)
                                    READ THE HEADER RECORD
         READ(1,1001,END=900) (IHEAD(I),I=1,8),(FHEAD(J),J=1,26)
                                    IF LBR DATA,
         IF(IHEAD(6).EQ.0)  THEN
                                       READ THE PITCH ANGLES RECORD;
            READ(1,1002,END=900) ((PALO(I,J),I=1,8),J=1,12)
                                       READ THE PROTONS PARTICLE RECORD
            READ(1,1004,END=900) (((JLO(I,J,K),J=1,8),K=1,12),I=1,8)
                                       READ THE ELECTRONS PARTICLE RECORD
            READ(1,1004,END=900) (((JLO(I,J,K),J=1,8),K=1,12),I=9,16)
1001        FORMAT(8I4,26F10.2)
1002        FORMAT(96F5.1)
1004        FORMAT(768F8.0)
         ELSE
                                    IF HBR DATA,
                                       READ THE PITCH ANGLES RECORD
            READ(1,1005) ((PAHI(I,J),I=1,8),J=1,12)
                                       READ THE PROTONS PARTICLE RECORDS
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=1,4)
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=5,8)
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=9,12)
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=13,16)
                                       READ THE ELECTRONS PARTICLE RECORDS
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=17,20)
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=21,24)
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=25,28)
            READ(1,1004) (((JHI(I,J,K),J=1,8),K=1,12),I=29,32)
1005        FORMAT(192F5.1)
         END IF
      END DO

 900  CONTINUE
      END
```

$NOP
$NOP **** LIST OF GAIL1 **************
$EXE TPLIST BS

INPUT PARAMETERS ARE: AS FL=1=1

D-63553

4/24/79

 TAPE NO.   1   FILE NO.   1
 RECORD   1   LENGTH   292
  73 114   9 11 45   1   3   1   0.00   0.00   21.78-131203.61 40848.66 19299.01   0
.97   -151.72   0.00   0.00   2.44   -83.06   21.80-131203.61 37460.08 25254.84
8.36   112.61   161.00   86.71   137.33   3.05   8.70   33.61   23.44   230.00

 TAPE NO.   1   FILE NO.   1
 RECORD   3740   LENGTH   6144

ISEE 1 & 2

PARTICLE DATA ON TAPE

77-102A-10B SPMS-00034

77-102B-08A SPMS-00420

THESE DATA SETS HAVE BEEN RESTORED. BOTH ISEE 1 & 2 DATA ARE CONTAINED ON DD033436. THIS TAPE WAS 7-TRACK, 556 BPI, WRITTEN IN BINARY. THE TAPES D034067, 70 AND D035092, 94 WERE 9-TRACK, 1600 BPI, WRITTEN IN BINARY. THE TAPES D045694-99 WERE 9-TRACK, 1600 BPI WRITTEN IN ASCII. THERE ARE THREE RESTORED TAPES WRITTEN IN BINARY; DR/DS 004321, 23 AND 73, AND TWO RESTORED TAPES WRITTEN IN ASCII; DR/DS 004322 AND 74. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A VARIAN COMPUTER AND WERE RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

77-102A-10B, 77-102B-08A

DR#	DS#	DD#	FILES	TIME SPAN
DR004323	DS004323	D033436	6	11/05/77 - 11/05/77

77-102A-10B

DR#	DS#	DD#	FILES	TIME SPAN
DR004321	DS004321	D034069	1-14	11/07/77 - 01/01/78
		D035092	15-23	11/03/77 - 11/20/77
DR004322	DS004322	D045697	1-13	03/22/79, 03/31/79
		D045698	14-26	03/22/79, 03/31/79
		D045699	27-39	03/31/79, 04/01/79

77-102B-08A

DR#	DS#	DD#	FILES	TIME SPAN
DR004373	DS004373	D034070	1-15	11/04/77 - 01/01/78
		D035094	16-25	11/03/77 - 09/08/78
DR004374	DS004374	D045694	1-9	03/22/79 - 03/22/79
		D045695	10-21	03/31/79 - 03/31/79
		D045696	22-30	04/01/79 - 04/01/79

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD1999	MJT
LSM	V0144	DMS

ISEE 1 & 2

PARTICLE DATA ON TAPE

77-102A-10B

77-102B-08A

This data set catalog consists of 11 data tapes. Both ISEE 1 & 2 data is contained on tape D-33436. This tape is 556 BPI, binary, 7 track and has 6 files of data. The tapes D-34069,70 and D-35092,94 are 1600 BPI, binary, 9 track and are multifiled. The tapes D-45694-99 are 1600 BPI, ASCII , 9 track and are mulifiled. All the tapes were created on an Varian computer.

ISEE 1 & 2 77-102A-10B/77-102B-08A

D#	C#	FILES	TIME SPAN
D-33436	C-20518	6	11/05/77

ISEE 1 77-102A-10B

D-34069	C-20651	14	11/04/77 - 01/01/78
D-35092	C-20697	9	11/03/77 - 11/20/77
D-45697	C-21619	13	03/22/79
D-45698	C-21620	13	03/31/79
D-45699	C-21577	7	04/01/79

ISEE 2 77-102B-08A

D-34070	C-20652	15	11/04/77 - 01/01/78
D-35094	C-20699	10	11/03/77 - 09/08/78
D-45694	C-21565	9	03/22/79
D-45695	C-21566	12	03/31/79
D-45696	C-21567	9	04/01/79

GENERAL INFORMATION ON PROCESSING THE ISEE ANDERSON EXPERIMENT DATA TAPE

This report describes the tape format and the procedure needed to decode and edit the experiment data.

1. TAPE FORMAT

The binary tape produced by the Varian computer is written at 556 BPI on 7-track tape. The tape is blocked by fixed-length physical records. A physical record with 612 words consists of two logical records at a length of 303 words. The content of the logical record is given in Table 1.

Every word is 16 bits written in an 18-bit field, according to the 2' complement. A word occupies 3 frames on the tape, as shown below:

15 12	11 6	5 0
frame 1	frame 2	frame 3

Note that the 15th bit is the sign bit.

The logical record (called subcom here) has three parts: the record header, the experimental data, and the analog housekeeping. The first 26 words are the record header, from which one obtains time, satellite position, and other general information. A description of the record header can be found in "ISEE General Information," by John Schmidt, IPD, GSFC (Appendix 1). The Anderson experiment data are given from word 27 to word 278. The subcom has 64 minor frames (a minor frame has four 16-bit words). The experiment data, which were originally acquired as 8-bit words, have been packed into 16-bit words. To recover the experimental data, every word is divided into two 8-bit words. The rest of the subcom is the analog housekeeping, which specifies the experiment condition.

2. EDIT PROCEDURE

2.1 Experiment

The Anderson particle experiment measures count rates of energetic electrons and ions. In total, ten physical quantities are measured: electron fluxes at energies of 2 keV, 6 keV, 15 keV, 30 keV; and ion fluxes at energies of 2 keV, 6 keV, 15 keV, 30 keV, and 200 keV. The tenth quantity is the coincidence count rates of electrons and ions. Here, the ten measurements are denoted as 2e, 6e, FT8, FT30, 2p, 6p, OT8, OT30, OT200, and COIN.

2.2 Data Format

The data are collected in either slow or fast format. For each format, the subcom structure is different. The slow format has 6 fast-word channels and 2 slow-word channels, while the fast format has 3 fast-word channels and 5 slow-word channels. The fast-word channels of the fast format is twice faster in collecting data than the fast-word channels of the slow format.

To determine telemetry format, first obtain the housekeeping word, which is word 39 of the minor frame 14. Note that the housekeeping word is the second half of the 92nd word, counting from the beginning of the subcom. Counting from left to right, the last bit of the housekeeping word specifies the mode, 1 for the fast format and 0 for the slow format.

2.3 Slow Format

The slow format has six fast-word channels called data accumulators F1, F2, F3, F4, F5, F6; and two slow-word data accumulators S1 and S2. The fast words are accumulated once every minor frame. Their locations are respectively words 36, 37, 38, 100, 101, 102 (see Table 2). The slow words

and OT200 are accumulated once every 8 minor frames into word number 39. The COIN is accumulated once every 16 minor frames in word 39.

2.4 Fast Format

The fast format has three fast-word data accumulators F1, F2, F3; and five slow-word data accumulators S1, S2, S3, S4, and S5. The fast words are accumulated twice every minor frame while the slow words, OT200, and COIN are accumulated once every 16 minor frames. Their locations are shown in Table 3.

2.5 Data Selection Word

The experiment measurements (except OT200 and COIN) can be stored in either fast words or slow words. The matching between the measurements and the data accumulators is determined by the data selection word (DSEL). The DSEL word is a 24-bit word composed from three 8-bit words, word 39 of minor frame 30, 46, and 62. These three words are assembled from left to right as received to form a 24-bit word.

After acquiring the DSEL word, divide the DSEL word into eight 3-bit groups. The content of the 3-bit group specifies the measurement (Table 4). For example, 2e is specified as 100 in binary and OT8 as 000.

The sequence of the 8 3-bit groups in the DSEL word defines the matching between the measurements and the data accumulators. For the slow format, the 8 3-bit groups from left to right in sequence correspond to F1, F2, F3, F4, F5, F6, S1, and S2. For the fast format, the 8 3-bit groups in sequence correspond to the accumulators F1, F2, F3, S3, S4, S5, S1, and S2.

Example: If word 39 of minor frame 30 is 11100000
word 39 of minor frame 46 is 10100111
and word 39 of minor frame 62 is 00101110

then DSEL	111	000	001	010	011	100	101	110
	6p	OT8	OT30	FT8	FT30	2e	2p	6e

Slow Format: 6p, OT8, OT30, FT8, FT30, 2e are fast words; they are contained respectively in F1, F2, F3, F4, F5, and F6. 2p and 6e are slow words; they are contained in S1 and S2. Thus 6p can be found in word 37 of every minor frame.

Fast Format: 6p, OT8, and OT30 are now the fast words; they can be located in F1, F2, and F3. FT8, FT30, 2e, 2p, and 6e are stored respectively in S3, S4, S5, S1, and S2. The 6p now appears at word 37 and 101 of every minor frame.

2.7 Count Rate

When the count rates from the measurements are stored in the accumulators, the count rates, which are originally 19-bit numbers, have been compressed by a type 623 converter into 8-bit outputs. To recover the original 19-bit count rates, a decoding algorithm is needed. The decoding algorithm is given in Appendix 2 and a look-up table is presented in Table 5.

2.8 Count Rate Per Second

The count rate CR obtained by converting the output of the data accumulator gives the number of particles accumulated during data acquisition time Δt. Δt varies for the bit rate, data format (fast or slow), fast words and slow words. The count rate per second C_i is defined as $CR/\Delta t$.

The definition of Δt is given below:

Slow Format: $\Delta t = \frac{1}{4B} - \frac{1}{128}$ for fast words

$= \frac{2}{B} - \frac{1}{128}$ for slow words

$$= \frac{2}{B} - \frac{1}{128} \qquad \text{for OT200}$$

$$= \frac{4}{B} - \frac{1}{128} \qquad \text{for COIN}$$

Fast Format: $\Delta t = \frac{1}{8B} - \frac{1}{128}$ for fast words

$$= \frac{4}{B} - \frac{1}{128} \qquad \text{for slow words, OT200, COIN}$$

Here, B = 1 for low bit rates and B = 4 for high bit rates. The telemetry bit rate is determined from the bit rate flag (11th word of the subcom; see Table 1 and "ISEE General Information," by J. Schmidt). When the bit rate flag equals 1, bit rates are low. When the bit rate flag is 2, bit rates are high.

2.9 Particle Flux

The particle fluxes J_i are computed from the count rate per second by dividing the geometric factors G_i.

$$J_i = C_i/G_i$$

The geometric factors G_i for various detectors are given in Table 6. Note that 2e, 2p, 6e, and 6p can have two geometric factors. The geometric factors for these four measurements are chosen according to the sixth big of word 39 of minor frame 14 (housekeeping word).

3. SUMMARY

We briefly summarize here the procedures for processing the Anderson experiment data:

1. Acquire the housekeeping word, word 39 of minor frame 14. The 8th bit determines the data format, and the 6th bit determines the geometric factors for 2e, 2p, 6e, and 6p.

2. Acquire the DSEL word.

3. Use the DSEL word to locate the data words for each measurement.

4. Edit separately fast and slow words. Separate algorithms are recommended for the slow and fast format.

5. Use the 623 conversion table (Table 6) to convert the outputs of the data words into count rates.

6. Use the formula $J = C_i/(\Delta t * G_i)$ to compute the particle fluxes. Δt is defined in section 2.8, and G_i is given in Table 7.

7. In describing the above procedure, we have assumed that the data quality is good and the experiment is not in the calibration or test mode.

8. For further information or questions, contact Dr. Chin S. Lin, Geophysics Program, University of Washington, Seattle, Washington 98195 (206) 543-9055.

CDAW

ANDERSON EXP

TAPE FORMAT

Each record consists of 490 ASCII words formatted as 490 F10.2. The first 10 words contain identification information and the remaining 480 data in counts/sec. The data is broken down into rows of alternating 8- and 7-word strings (total of 64 rows). Word 11 is always the start of an 8-word row. A partial block diagram is shown below. Note that data on tape are not broken into rows but are a continuous 490-word string.

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10
W11	W12	W13	W14	W15	W16	W17	W18		
W19	W20	W21	W22	W23	W24	W25			
W26	W27	W28	W29	W30	W31	W32	W33		
W34	W35	W36	W37	W38	W39	W40			

W461	W462	W463	W464	W465	W466	W467	W468
W469	W470	W471	W472	W473	W474	W475	
W476	W477	W478	W479	W480	W481	W482	W483
W484	W485	W486	W487	W488	W489	W490	

A description of words 1-10 is given below:

Word 1	Spacecraft Identification		ISEE-1 = 1.0 ISEE-2 = 2.0
Word 2	Year		
Word 3	Day		
Word 4	Spacecraft Position in km		GSE X
Word 5			GSE Y
Word 6			GSE Z
Word 7	Frame Rate in sec		
Word 8	Bit Rate	Low = 1.0 High = 2.0	Large geometry factor
		Low = 3.0 High = 4.0	Small geometry factor
Word 9	Identifies Slow Word Data		
Word 10	Identifies Fast Word Data		

Each row of data is a frame. The first word in each row (W11, W19, W491, W469, etc.) is the frame time in seconds. The next 6 words are the fast data. The next word (occurring every other row) is the slow data.

Words 9 and 10 and the following table show which of our detectors the data were sent from.

Detector	Lable
Anti-coincidence	0
OT8	1
OT30	2
FT8	3
FT30	4
2e	5
6e	6
2p	7
2e	8
OT200	9

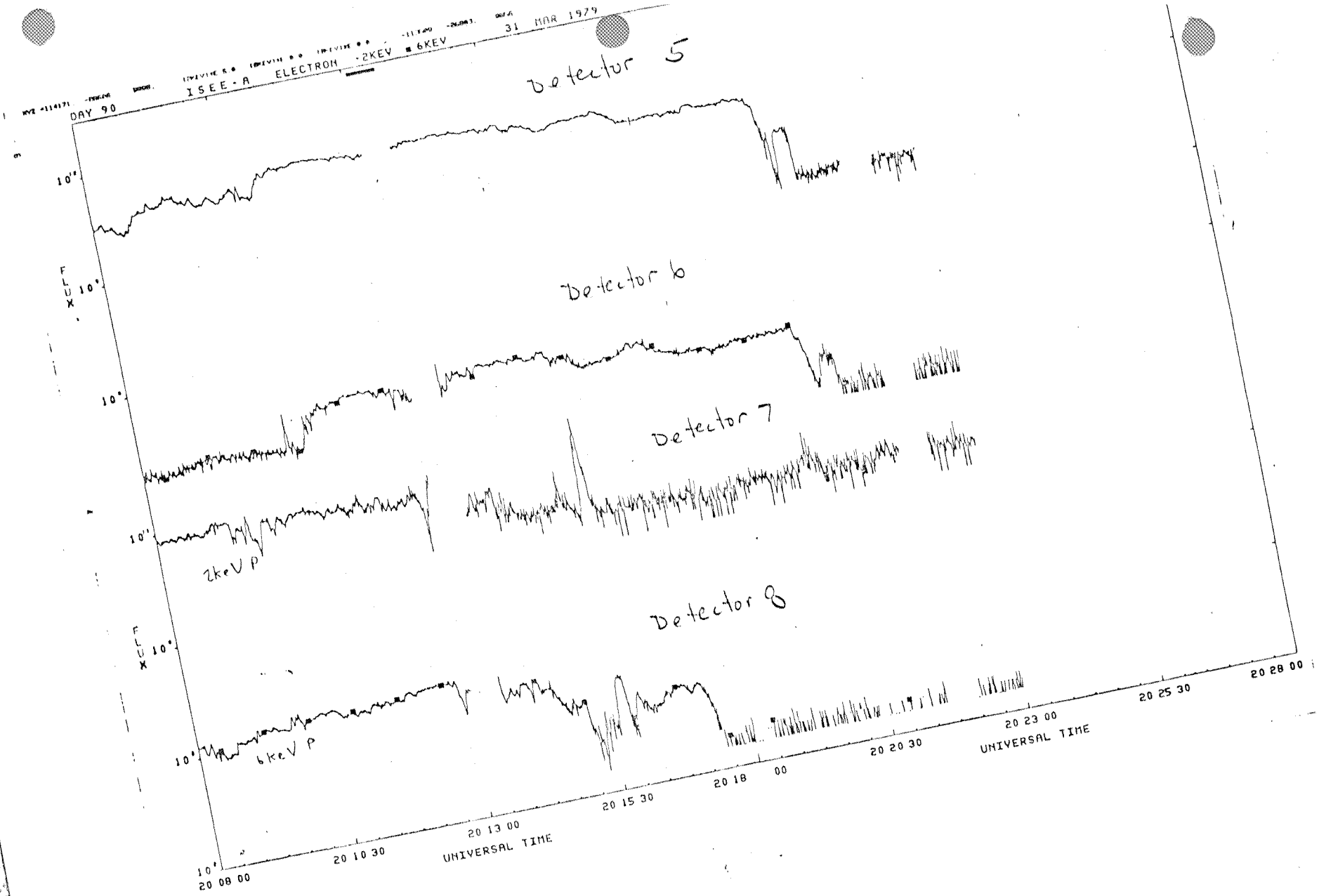
ord 10 is a 6-digit number. The first digit (hundred thousand digit) identifies the detector corresponding to the first fast data word (W12, W20, or W27, etc.). The second digit (ten thousand digit) identifies the detector corresponding to the 2nd fast data word (W13 or W21, etc.) and so on. The first fast word in each frame is associated with the first digit in word 10, the second with the second, etc.

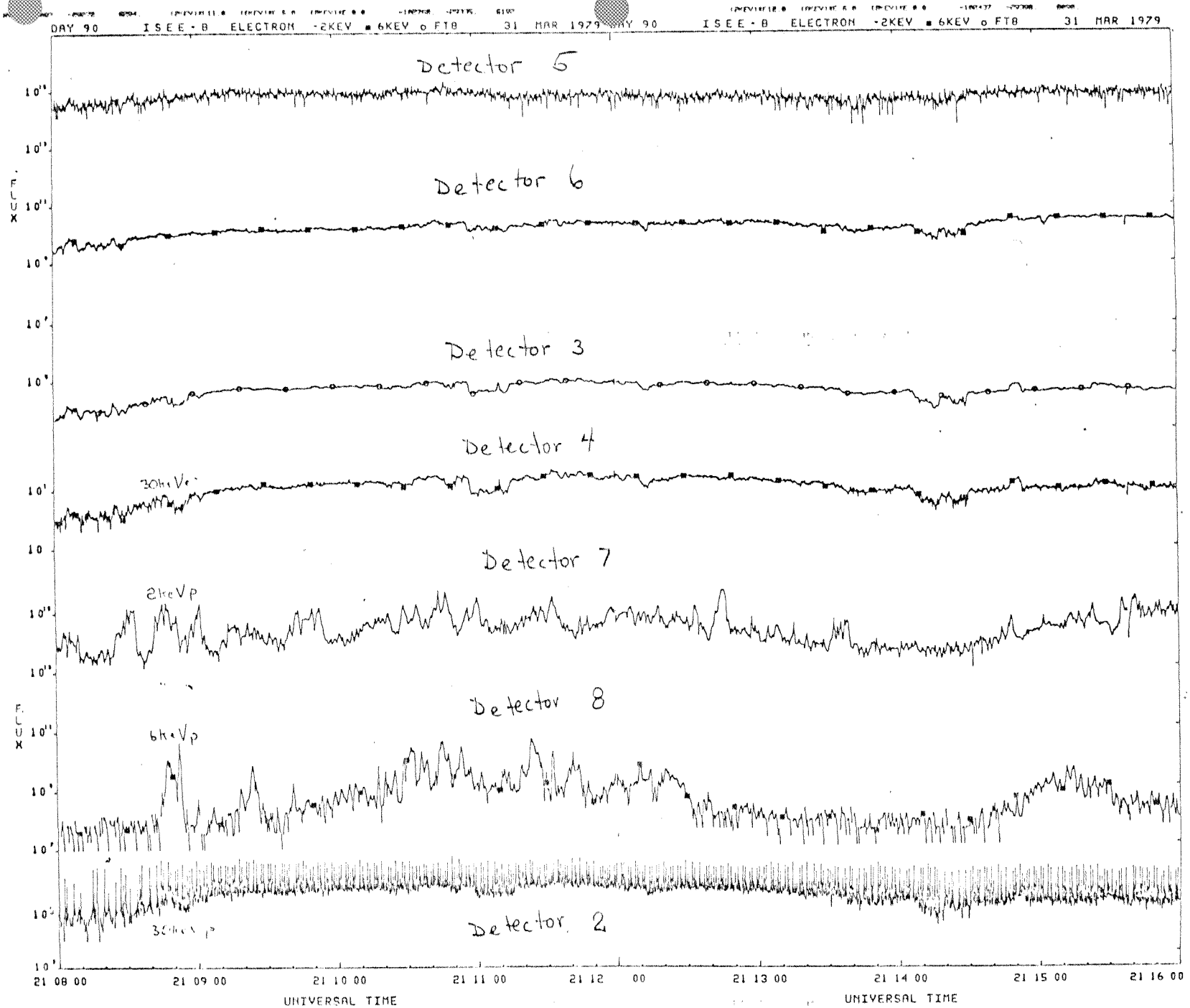
The detector sending configuration need only be established once for the tape. It will not change from record to record unless there is a change in bit rate (Word 8).

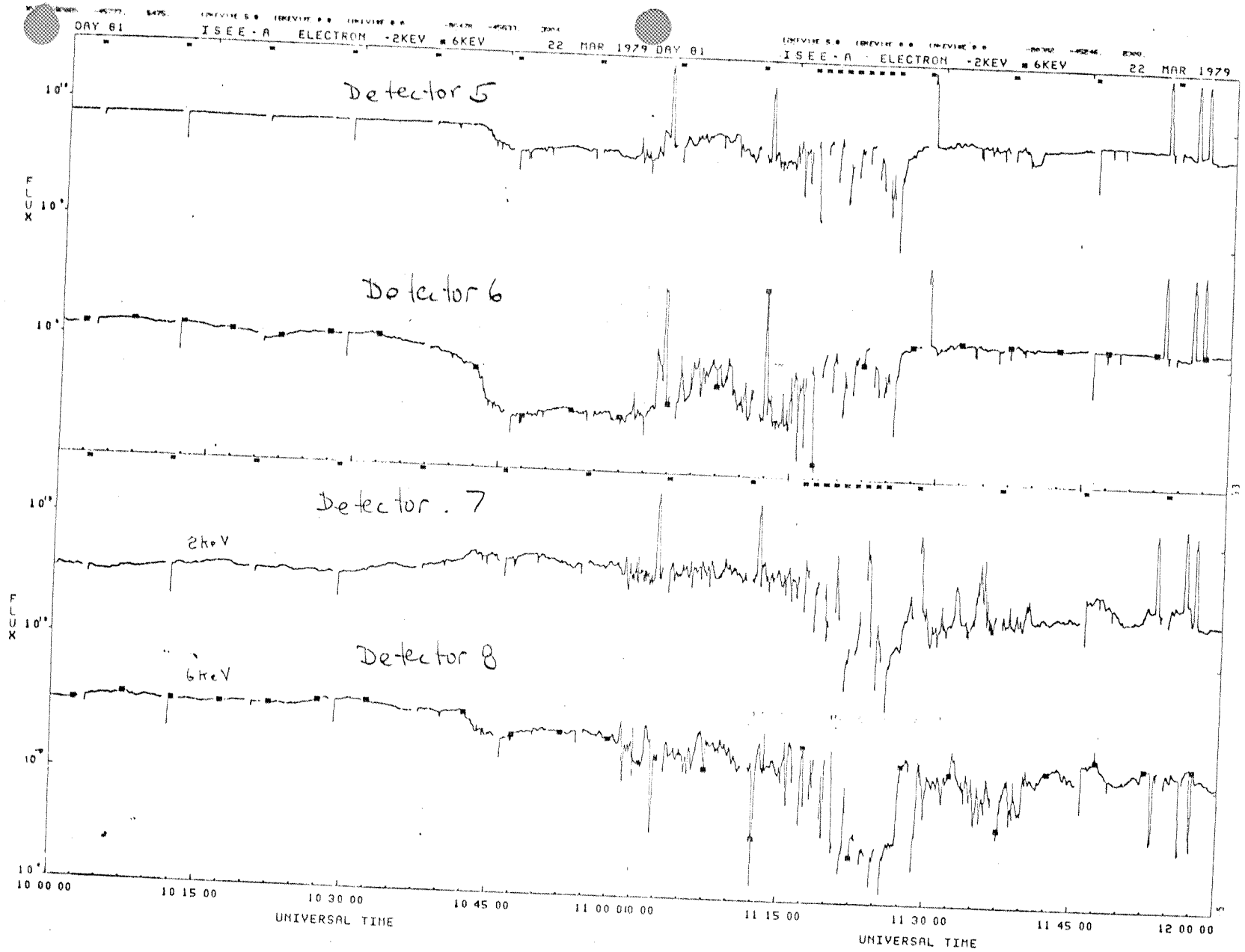
The slow words are identified in the same number as the fasts through word 9. Word 9 is a 7-digit number. The slow word detector format repeats every 8 slow words. The 8th slow word is always a blank and filled with -1.

The first eight slow words are W18, W33, W48, W73, W88, W103, W138, W143.

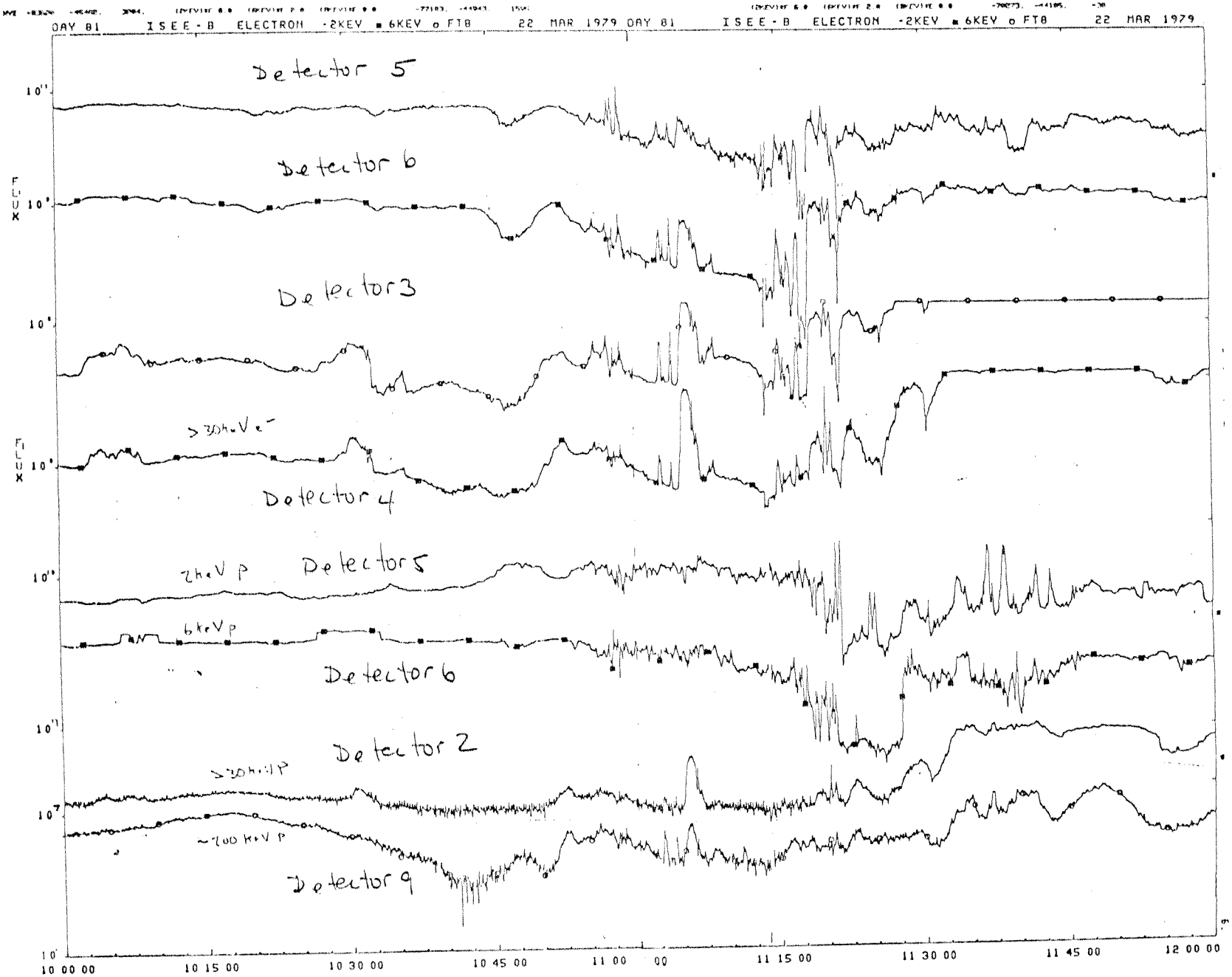
Note that data in either the fast or slow data words may come from the same detector. That is, both slow words W18 and W88 may be identified in word 9 as a 2., meaning that OT30 sends data twice in the slow word cycle.


ISEE-A ELECTRON -2KEV 6KEV
31 MAR 1979
DAY 90
Detector 5
Detector 6
Detector 7
Detector 8
2keV P
6keV P
FLUX
UNIVERSAL TIME
20 08 00
20 10 30
20 13 00
20 15 30
20 18 00
20 20 30
20 23 00
20 25 30
20 28 00


DAY 90 ISEE-B ELECTRON -2KEV ■ 6KEV o FTB 31 MAR 1979
DAY 90 ISEE-B ELECTRON -2KEV ■ 6KEV o FTB 31 MAR 1979
Detector 5
Detector 6
Detector 3
Detector 4
30keVe
Detector 7
2keVp
Detector 8
6keVp
Detector 2
F LUX
21 08 00
21 09 00
21 10 00
21 11 00
21 12 00
21 13 00
21 14 00
21 15 00
21 16 00
UNIVERSAL TIME
UNIVERSAL TIME


DAY 81
ISEE-A ELECTRON -2KEV 6KEV 22 MAR 1979 DAY 81
ISEE-A ELECTRON -2KEV 6KEV 22 MAR 1979
Detector 5
Detector 6
Detector . 7
Detector 8
2KeV
6KeV
FLUX
10 00 00
10 15 00
10 30 00
10 45 00
11 00 00 00
11 15 00
11 30 00
11 45 00
12 00 00
UNIVERSAL TIME
UNIVERSAL TIME

ISEE-B


DAY 81 ISEE-B ELECTRON -2KEV ■ 6KEV ○ FTB 22 MAR 1979 DAY 81 ISEE-B ELECTRON -2KEV ■ 6KEV ○ FTB 22 MAR 1979
Detector 5
Detector 6
Detector 3
>30keV e⁻
Detector 4
2keV p
Detector 5
6keV p
Detector 6
Detector 2
>30keV p
~700 keV p
Detector 9
10 00 00
10 15 00
10 30 00
10 45 00
11 00 00
11 15 00
11 30 00
11 45 00
12 00 00

0-35092
ISEE 1
11/03/77 - 11/20/77
A-10B

DUMP OF TAPE X-205

INPUT TAPE X-205 ON MS2
DATA INPUT H9 NF 9 FL 1 1 1 SR 9 1 1 SR 9 LAST 1

1.02 77.00 307.00 69559.47

FILE	1 RECORD	1 LENGTH	4900BYTES							
(0)	20202020	2020312E	30302020	20202037	372E3030	2C2C2020	3330372E	30302020	36393535	392E3437
(40)	202D3135	3030312E	39362020	33313937	352E3531	2C2C2020	20202C2E	32352020	202C2020	312E3030
(80)	32343930	3234392E	30302031	33353637	382E3030	2C2C3236	3238302E	33382020	2C2C202C	3C2E3030
(120)	20202020	2020302E	30302020	20313838	322E3834	2C2C2031	34323C2E	33392020	31393535	352E3039
(160)	20202035	3431372E	32392020	20353031	312E3538	2C2C3236	3238302E	36332020	20202020	3C2E3030
(200)	202C2020	2020302E	30302020	202C3333	382E3538	2C2C2020	3131392E	37342020	31393535	352E3039
(240)	20202034	3136322E	30362020	323o3238	302E3838	2C2C2020	2020302E	30302020	202C202C	3C2E3030
(280)	20202020	3238392E	30332020	20203137	372E3535	2C2C3139	3535352E	30392020	20343336	342E3236
(320)	20202020	3239372E	31362020	32363238	312E3133	2C2C2033	3839372E	38312020	20202020	3C2E3030
(360)	20202020	3330352E	35352020	202C3133	362E3236	2C2C3139	3535352E	30392020	20343136	322E3036
(400)	20203236	3238312E	33382020	20203335	352E3130	2C2C2031	3831362E	37372020	202C3232	372E3130
(440)	20202020	3131392E	37342020	31393535	352E3039	2C2C2034	3136322E	30362020	20202020	3C2E3030
(480)	20203236	3238312E	36332020	2020202C	302E3030	2C2C2C20	2020302E	30302020	202C333C	352E3535
(520)	20202020	3130372E	33352020	31393535	352E3039	2C2C2034	3336302E	32362020	32363238	312E3838
(560)	20202020	2020302E	30302020	20202020	302E3030	2C2C2020	3330352E	35352020	20203138	352E3831
(600)	20203138	3439382E	30362020	20343632	342E3532	2C2C2020	2020322E	30302020	32363238	322E3133
(640)	20202020	2020302E	30302020	202C2020	302E3030	2C2C2020	3234332E	36312020	202C3130	372E3335
(680)	20203139	3535352E	30392020	20343632	342E3532	2C2C3236	3238322E	33382020	20353135	332E3033
(720)	20202032	3937322E	39302020	20203333	382E3538	2C2C2020	3130372E	33352020	31393535	352E3039
(760)	202C2034	3336302E	32362020	20313031	312E3935	2C2C3236	3238322E	36332020	34313232	342E3237
(800)	20202020	2020302E	30302020	202C3238	392E3033	2C2C2020	3131392E	37342020	31393535	352E3039
(840)	20202034	3632342E	35322020	32363238	322E3838	2C2C2020	2020302E	30302020	202C2020	3C2E3030
(880)	20202020	3238392E	30332020	202C3130	372E3335	2C2C3139	3535352E	30392020	20343632	342E3532
(920)	20202020	3432352E	36362020	32363238	332E3133	2C2C2020	2020302E	30302020	202C2020	3C2E3030
(960)	20202020	3333382E	35382020	202C3132	382E3030	2C2C3139	3535352E	30392020	20343632	342E3532
(1000)	20203236	3238332E	33382020	202C2020	302E303C	2C2C2020	2020302E	30302020	202C3335	352E3130
(1040)	202C2020	2039392E	31302020	31393535	352E3039	2C2C2034	3632342E	35322020	202C2031	362E3536
(1080)	20203236	3238332E	36332020	202C2020	302E3030	2C2C2020	2020302E	30302020	202C333C	352E3535
(1120)	20202020	3133322E	31332020	31393535	352E3039	2C2C2034	3632342E	35322020	32363238	332E3838
(1160)	202C2020	202C302E	30302020	202C2020	302E3030	2C2C2020	3432312E	31362020	202C3132	332E3837
(1200)	20203139	3535352E	30392020	20343838	382E3737	2C2C2020	2020312E	30302020	32363238	342E3133
(1240)	20202020	3438372E	32332020	20202020	302E3030	2C2C2020	3332322E	31362020	202C3132	382E3030
(1280)	20203139	3535352E	30392020	20343838	382E3737	2C2C3236	3238342E	33382020	20343632	342E3532
(1320)	202C2031	3735302E	37312020	202C3430	342E3635	2C2C2020	3130372E	33352020	31393535	352E3039
(1360)	20202034	3838382E	37372020	20333739	302E3831	2C2C3236	3238342E	36332020	202C202C	3C2E3030
(1400)	20202020	2031322E	33392020	202C3332	322E3036	2C2C2020	3134342E	35322020	323C3631	322E3133
(1440)	202C2034	3632342E	35322020	32363238	342E3838	2C2C2020	2020302E	30302020	202C2020	3C2E3030
(1480)	202C2020	3238392E	30332020	202C3131	392E3734	2C2C3139	3535352E	30392020	20343838	382E3737
(1520)	20202020	2039302E	33352020	32363238	352E3133	2C2C2020	2020302E	30302020	202C2020	3C2E3030
(1560)	20202020	3335352E	31302020	202C3130	332E3233	2C2C3230	3631322E	31332020	20343632	342E3532
(1600)	20203236	3238352E	33382020	202C2C20	302E3030	2C2C2031	3030372E	34382020	2C2C3237	322E3532
(1640)	20202020	3139342E	30362020	31393535	352E3039	2C2C2034	3838382E	37372020	2C2C2032	332E3539
(1680)	20203236	3238352E	36332020	34393638	302E3532	2C2C2031	3034302E	35322020	202C3337	312E3631
(1720)	20202020	3136312E	30332020	323 3631	322E3133	2C2C2034	3632342E	35322020	32363238	352E3838
(1760)	202C2020	202C302E	30302020	202C2020	302E3030	2C2C2020	3430342E	36352020	2C2C3135	322E7737
(1800)	20203230	3631322E	31332020	20343838	382E3737	2C2C2020	2020202E	35302020	32363238	362E3133
(1840)	20202020	2020302E	30302020	20202020	302E3030	2C2C2020	3430342E	36352020	202C3133	362E3236
(1880)	202C3139	3535352E	30392020	20343632	342E3532	2C2C3236	3238362E	33382020	2C2C202C	3C2E3030
(1920)	20202020	2020302E	30302020	202C3433	372E3638	2C2C2C20	3134342E	35322020	31393535	352E3039
(1960)	20202034	3336302E	32362020	20353031	312E3538	2C2C3236	3238362E	36332020	202C2020	3C2E3030
(2000)	202C2020	2C2C302E	30302020	202C3432	312E3136	2C2C2C20	3130372E	33352020	32363031	322E3133
(2040)	20202034	3336302E	32362020	32363238	362E3838	2C2C2020	2C2C302E	30302020	2C2C202C	3C2E3030
(2080)	20202020	3332322E	30362020	20203135	322E3737	2C2C3230	3631322E	31332020	20343632	342E3532
(2120)	20202020	3334352E	33352020	32363238	372E3133	2C2C2020	2020302E	30302020	202C2020	3C2E3030
(2160)	202C2020	3337312E	36312020	202C3133	362E3236	2C2C3139	3535352E	30392020	2C343838	382E3737
(2200)	20203236	3238372E	33382020	20333839	372E3831	2C2C2020	3532302E	32362020	202C3336	382E3133
(2240)	20202020	3134342E	35322020	323C3631	322E3133	2C2C2034	3838382E	37372020	202C2020	3C2E3030

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11/03/77 - 9/08/78
B-08A

DUMP OF TAPE X-210

INPUT TAPE X-210 ON MS2
DATA INPUT H9 NF 1? FL 1 1 1 SR 1? 1 1 SR 1? LAST 1

FILE 1 RECORD 1 LENGTH 4900BYTES

(0)	20202020	2020322E	30302020	20202037	372E3030	20202020	3330372E	30302020	36393738	342E3533
(40)	20203135	3138392E	36312020	33323131	362E3435	20202020	2020202E	32352020	20202020	312E3030
(80)	32343930	3234392E	30302031	33353637	382E3030	20203236	3239312E	39352020	35333930	382E3634
(120)	20202032	3434342E	33392020	20203435	342E3139	20202020	3133322E	31332020	31313839	312E3631
(160)	20202034	3136322E	30362020	31313735	312E3137	20203236	3239322E	32302020	35313739	342E3538
(200)	20202032	3331322E	32362020	20203437	302E3731	20202020	3134342E	35322020	31323432	302E3133
(240)	20202033	3639372E	38312020	32363239	322E3435	20203533	3930382E	36342020	20323434	342E3339
(280)	20202020	3438372E	32332020	20203134	342E3532	20203132	3432302E	31332020	20343032	392E3934
(320)	20202020	3134372E	35352020	32363239	322E3735	20203533	3930382E	36342020	20323331	322E3236
(360)	20202020	3431342E	36352020	20203132	332E3837	20203131	3839312E	36312020	20333736	352E3638
(400)	20203236	3239322E	39352020	35313739	342E3538	20202032	3331322E	32362020	20203532	372E3236
(440)	20202020	3136392E	32392020	31323432	302E3133	20202033	3736352E	36382020	20202020	352E3532
(480)	20203236	3239332E	32312020	33343838	322E3936	20202031	3638342E	36352020	20203535	332E3734
(520)	20202020	3131352E	36312020	31323432	302E3133	20202033	3839372E	38312020	32363239	332E3435
(560)	20203233	3738332E	32332020	20313535	322E3532	20202020	3430342E	36352020	20202039	342E3937
(600)	20203131	3839312E	36312020	20343932	392E3934	20202020	2020372E	35312020	32363239	332E3730
(640)	20203533	3930382E	36342020	20323138	302E3133	20202020	3338382E	31332020	20203131	312E3438
(680)	20203132	3432302E	31332020	20333839	372E3631	20203236	3239332E	39352020	35333930	382E3634
(720)	20202032	3138302E	31332020	20203234	332E3631	20202020	3131312E	34382020	31323432	302E3133
(760)	20202033	3736352E	36382020	31313735	312E3137	20203236	3239342E	32302020	35333930	382E3634
(800)	20202032	3331322E	32362020	20203333	382E3538	20202020	2039392E	31302020	31313839	312E3631
(840)	20202033	3839372E	38312020	32363239	342E3435	20203533	3930382E	36342020	20323434	342E3339
(880)	20202020	3238392E	31332020	20203131	392E3734	20203132	3934382E	36342020	20333736	352E3638
(920)	20202020	3134302E	35352020	32363239	342E3733	20203533	3930382E	36342020	20323331	322E3236
(960)	20202020	3236372E	31332020	20203130	372E3335	20203132	3432302E	31332020	20343032	392E3934
(1000)	20203236	3239342E	39352020	35333930	382E3634	20202032	3138302E	31332020	20203236	362E3133
(1040)	20202020	3133362E	32362020	31323432	302E3133	20202034	3332392E	39342020	20202031	322E3035
(1080)	20203236	3239352E	32302020	35333930	382E3634	20202032	3138302E	31332020	20203235	312E3837
(1120)	20202020	3134342E	35322020	31323934	382E3634	20202034	3336302E	32362020	32363239	352E3435
(1160)	20203533	3930382E	36342020	20323138	312E3033	20202020	3234332E	36312020	20202039	342E3937
(1200)	20203132	3432302E	31332020	20343632	342E3532	20202020	2020312E	35312020	32363239	352E3730
(1240)	20203533	3930382E	36342020	20323331	322E3236	20202020	3333382E	35382020	20203131	392E3734
(1280)	20203132	3432302E	31332020	20343632	342E3532	20203236	3239352E	39352020	35333930	382E3634
(1320)	20202032	3331322E	32362020	20203234	332E3631	20202020	3133362E	32362020	31323934	382E3634
(1360)	20202034	3632342E	35322020	31353136	332E3233	20203236	3239362E	32352020	33343838	322E3036
(1400)	20202031	3631382E	35382020	20203332	322E3236	20202020	3133362E	32362020	31323432	302E3133
(1440)	20202034	3632342E	35322020	32363239	362E3435	20203232	3732362E	32352020	20313831	362E3737
(1480)	20202020	3337312E	36312020	20203130	372E3335	20203132	3432302E	31332020	20343632	342E3532
(1520)	20202020	3133322E	35322020	32363239	362E3730	20203533	3930382E	36342020	20323331	322E3236
(1560)	20202020	3332322E	30362020	20203133	362E3236	20203132	3432302E	31332020	20343836	382E3737
(1600)	20203236	3239362E	39352020	35363132	322E3735	20202032	3434342E	33392020	20203430	342E3635
(1640)	20202020	3131352E	36312020	31323432	302E3133	20202034	3632342E	35322020	20202020	352E3532
(1680)	20203236	3239372E	32302020	35363032	322E3735	20202032	3834302E	37372020	20203332	322E3036
(1720)	20202020	2039392E	31312020	31323432	302E3133	20202034	3336302E	32362020	32363239	372E3435
(1760)	20203536	3032322E	37312020	20323537	362E3532	20202020	3337312E	36312020	20203136	392E3239
(1800)	20203132	3432302E	31332020	20343136	322E3036	20202020	2020392E	32372020	32363239	372E3735
(1840)	20203536	3032322E	37312020	20323730	382E3635	20202020	3430342E	36352020	20203132	382E3030
(1880)	20203132	3432312E	31332020	20343136	322E3036	20203236	3239372E	39352020	35363032	322E3730
(1920)	20202032	3937322E	39312020	20203333	382E3538	20202020	3136312E	30332020	31323432	302E3133
(1960)	20203034	3336302E	32362020	31323037	392E3138	20203236	3239382E	32302020	35333930	362E3634
(2000)	20202032	3537362E	35322020	20203338	382E3133	20202020	3131352E	36312020	31313839	312E3631
(2040)	20203034	3632342E	35322020	32363239	382E3435	20203536	3032322E	37312020	20323434	342E3339
(2080)	20202020	3331352E	35352020	20203133	362E3236	20203131	3839312E	36312020	20343838	362E3737
(2120)	20202020	3134382E	35382020	32363239	382E3735	20203533	3930382E	36342020	20323434	342E3339
(2160)	20202020	3332322E	30362020	20203131	352E3631	20203132	3432302E	31332020	20353135	332E3033
(2200)	20203236	3239382E	39352020	35333930	382E3634	20202032	3331322E	32362020	20203331	352E3535
(2240)	20202020	3132332E	38372020	31323432	302E3133	20202035	3135332E	30332020	20202020	342E3532

$EXE TPDUMP BS

DUMP OF TAPE X-392

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INPUT TAPE X-392 ON MS2
DATA INPUT H9 NF 14 FL 1 1 1 SR 14 1 1 SR 14 LAST 1

FILE 1 RECORD 1 LENGTH 4900BYTES

(0)	20202020	2020312E	30302020	202J2037	372E3030	20202020	3331312E	30302020	38323737	322E3536
(4D)	20203336	353 352E	30332020	34313037	392E3539	20202020	2020202E	30362020	20202020	312E3030
(8D)	3234393	3234392E	303 2031	33353637	382E3030	20203831	3537342E	31362020	20202020	302E3030
(12D)	20202020	2020302E	30302020	202J2033	362E3537	20202020	2020302E	30302020	20202020	302E3030
(16D)	2J2J2J2J	2J33362E	35372020	202J2J20	302E3030	20203831	3537342E	32322020	20202020	302E3030
(20D)	2J2J2020	2J2J302E	3030202J	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(24D)	20202020	3132382E	30302020	38313537	342E3238	20202020	2031382E	32392020	20202020	302E3030
(28D)	20202020	20203J2E	30302020	202J2031	382E3239	20202020	2020302E	30302020	20202033	362E3537
(32D)	2J2J2J2J	2J2J3J2E	303J2020	38313537	342E3334	20202033	3239312E	34332020	20202020	302E3030
(36D)	2J2J2J2J	2J2J3J2E	303J2020	202J2J20	302E3030	20202020	2020302E	30302020	20203130	392E3731
(40D)	20203831	3537342E	34312020	202J2020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(44D)	2J2J2J2J	2020302E	30302020	202J2020	302E3030	20202020	2033362E	35372020	20202020	302E3030
(48D)	2J2J3831	3537342E	34372020	2J2J2J2J	302E3037	20202020	2020302E	30302020	20202020	302E3030
(52D)	20202020	2020302E	30302020	202J2020	302E3030	20202020	2035342E	38362020	38313537	342E3533
(56D)	2J2J2020	20353422E	38362020	20323330	342E3030	20202020	2020302E	30302020	20202020	302E3030
(60D)	2J2J2J2J	2J2J302E	303J2020	202J2037	332E3134	20202020	2020302E	30302020	38313537	342E3539
(64D)	2J2J2J2J	2J2J302E	303J2020	20383034	352E3731	20202020	2031382E	32392020	20202020	302E3030
(68D)	2J2J2020	2J2J302E	303J2020	202J2037	332E3134	20203831	3537342E	36362020	20202020	302E3030
(72D)	20202020	2020302E	30302020	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(76D)	20202020	2037332E	31342020	20202020	322E3033	20203831	3537342E	37322020	20202020	302E3030
(80D)	2J2J2J2J	2J2J302E	303J2020	202J2031	382E3239	20202020	2020302E	30302020	20202020	302E3030
(84D)	2J2J2020	2031382E	32392020	38313537	342E3738	20202020	2020302E	30302020	20202020	302E3030
(88D)	20202020	20203J2E	30302020	202J2J20	302E3030	20202020	2020302E	30302020	20202037	332E3134
(92D)	2J2J2J2J	3234372E	38372020	38313537	342E3834	20202020	2020302E	30302020	20202020	302E3030
(96D)	2J2J2J2J	2031382E	32392020	202J2J20	302E3030	20202020	2020302E	30302020	20202031	382E3239
(100D)	20203831	3537342E	39312020	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(104D)	20202020	2031382E	32392020	202J2J20	302E3030	20202020	2035342E	38362020	20202020	322E3033
(108D)	2J2J3831	3537342E	39372020	202J2J20	302E3037	20202020	2020302E	30302020	20202031	382E3239
(112D)	2J2J2J2J	2J2J302E	3030202J	202J2J20	302E3030	20202020	2037332E	31342020	38313537	352E3033
(116D)	2J2J2020	20203J2E	30302020	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(120D)	2J2J2J2J	2J2J302E	3030202J	202J2J35	342E3836	20202020	2020312E	30302020	38313537	352E3039
(124D)	2J2J2J2J	2J2J302E	303J2020	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(128D)	20202020	2031382E	32392020	20203134	362E3239	20203831	3537352E	31362020	20202020	302E3030
(132D)	20202020	2026302E	30302020	202J2031	382E3239	20202020	2020302E	30302020	20202020	302E3030
(136D)	2J2J2J2J	2J33362E	35372020	202J2J20	302E3030	20203831	3537352E	32322020	20202020	302E3030
(140D)	2J2J2020	20203J2E	30302020	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(144D)	20202020	3132382E	30302020	38313537	352E3238	20202020	2020302E	30302020	20202020	302E3030
(148D)	2J2J2J2J	2J2J302E	30302020	202J2J20	302E3030	20202020	2020302E	30302020	20202037	332E3134
(152D)	2J2J2J2J	2J2J302E	303J2020	38313537	352E3334	20202020	2020302E	30302020	20202020	302E3030
(156D)	20202020	2031382E	32392020	202J2J20	302E3030	20202020	2020302E	30302020	20202037	332E3134
(160D)	2J2J3831	3537352E	34312020	202J2J20	302E3030	20202020	2020302E	30302020	20202031	382E3239
(164D)	2J2J2J2J	2J2J302E	3030202J	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(168D)	2J2J3831	3537352E	34372020	2J2J2J2J	302E3037	20202020	2020302E	30302020	20202033	362E3537
(172D)	2J2J2020	20203J2E	30302020	202J2J20	302E3030	20202020	2039312E	34332020	38313537	352E3533
(176D)	2J2J2J2J	2J2J302E	30302020	20203731	332E3134	20202020	2031382E	32392020	20202020	302E3030
(180D)	2J2J2J2J	2J2J302E	3030202J	202J2J37	332E3134	20202020	2020312E	30312020	38313537	352E3539
(184D)	20203136	3637362E	35372020	20333134	352E3134	20202020	2020302E	30302020	20202020	302E3030
(188D)	2J2J2J2J	202J302E	30302020	202J2J35	342E3836	20203831	3537352E	36362020	37313338	372E3434
(192D)	2J2J2J2J	2J2J3J2E	303J2020	202J2J33	362E3537	20202020	2020302E	30302020	20202020	302E3030
(196D)	2J2J2J2J	3134362E	32392020	20353333	312E3333	20203831	3537352E	37322020	38313932	302E3030
(200D)	2J2J2020	20203J2E	30302020	202J2031	382E3239	20202020	2020302E	30302020	20202020	302E3030
(204D)	2J2J2J2J	3132382E	30302020	38313537	352E3738	20202035	3132302E	30302020	20202020	302E3030
(208D)	2J2J2J2J	2J2J3J2E	303J2020	202J2J31	382E3239	20202020	2020302E	30302020	20202031	382E3239
(212D)	20202020	3536382E	38392020	38313537	352E3834	20202020	2020302E	30302020	20202020	302E3030
(216D)	2J2J2J2J	2031382E	32392020	202J2J31	382E3239	20202020	2020302E	30302020	20202039	312E3433
(220D)	2J2J3831	3537352E	39312020	202J2J20	302E3030	20202020	2020302E	30302020	20202020	302E3030
(224D)	2J2J2J2J	2J2J3J2E	303J2020	202J2J20	302E3030	20202020	2031382E	32392020	20202020	302E3030

ISEE-2
11 4 77 - 1/1/78

DUMP OF TAPE X395

INPUT TAPE X395 ON MS2
DATA INPUT H9 NF 15 FL 1 1 1 SR 15 1 1 SR 15 LAST 1

FILE 1 RECORD 1 LENGTH 40 CBYTES

(40)	20202020	20203322E	30302020	20202037	372E3037	20202020	3331312E	30302020	38333134	382E3431
(40)	20203337	30333332E	34382020	34313337	362E3136	20202020	2020202E	30362020	20202020	312E3030
(80)	32343935	32343932E	30302031	33353637	382E3030	20203831	3238382E	39372020	20202020	302E3030
(120)	20202020	20203132E	30302020	20202031	382E3239	20202020	2020302E	30302020	20202031	382E3239
(160)	20202020	20333632E	35372020	20202020	342E3036	20203831	3238392E	30332020	20202020	302E3030
(200)	20202020	20337332E	31342020	20202031	382E3239	20202020	2020302E	30302020	20202020	302E3030
(240)	20202020	20203132E	30302020	38313238	392E3039	20202020	2033362E	35372020	20202031	382E3239
(280)	20202020	20331382E	32392020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(320)	20202020	20203132E	30302020	38313238	392E3136	20202020	2020302E	30302020	20202031	382E3239
(360)	20202020	20203132E	30302020	20202020	302E3030	20202020	2031382E	32392020	20202031	382E3239
(400)	20203231	3238392E	32322020	20202020	302E3030	20202020	2031382E	32392020	20202033	362E3537
(440)	20202020	20203132E	30302020	20202033	362E3537	20202020	2020302E	30302020	20202020	322E3033
(480)	20203831	3238392E	32382020	20202033	362E3537	20202020	2031382E	32392020	20202031	382E3239
(520)	20202020	20331382E	32392020	20202020	302E3030	20202020	2020302E	30302020	38313238	392E3334
(560)	20203138	3433322E	30302020	20202037	332E3134	20202020	2020302E	30302020	20202031	382E3239
(600)	20202020	20203032E	30302020	20202020	302E3030	20202020	2020352E	30342020	38313238	392E3431
(640)	20202020	20203132E	30302020	20202031	382E3239	20202020	2031382E	32392020	20202020	302E3030
(680)	20202020	20203132E	30302020	20202020	302E3030	20203831	3238392E	34372020	20202037	332E3134
(720)	20202020	20331382E	32392020	20202020	302E3030	20202020	2020302E	30302020	20202031	382E3239
(760)	20202020	20203132E	30302020	20202020	342E3036	20203831	3238392E	35332020	20202020	302E3030
(800)	20202020	20331382E	32392020	20202031	382E3239	20202020	2020302E	30302020	20202031	382E3239
(840)	20202020	20331382E	32392020	38313238	392E3539	20202020	2031382E	32392020	20202031	382E3239
(880)	20202020	20331382E	32392020	20202031	382E3239	20202020	2020302E	30302020	20202033	362E3537
(920)	20202020	20203132E	30302020	38313238	392E3636	20202020	2031382E	32392020	20202035	342E3836
(960)	20202020	20203132E	30302020	20202031	382E3239	20202020	2031382E	32392020	20202020	302E3030
(1000)	20203831	3238392E	37322020	20202020	302E3030	20202020	2031382E	32392020	20202031	382E3239
(1040)	20202020	20203132E	30302020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(1080)	20203831	3238392E	37382020	20202031	382E3239	20202020	2035342E	38362020	20202020	302E3030
(1120)	20202020	20331382E	32392020	20202020	302E3030	20202020	2031382E	32392020	38313238	392E3834
(1160)	20202020	20203132E	30302020	20202033	362E3537	20202020	2020302E	30302020	20202020	302E3030
(1200)	20202020	20203132E	30302020	20202020	302E3030	20202020	202D312E	30302020	38313238	392E3931
(1240)	20202020	20331382E	32392020	20202031	382E3239	20202020	2020302E	30302020	20202033	362E3537
(1280)	20202020	20203132E	30302020	20202020	302E3030	20203831	3238392E	39372020	20202020	302E3030
(1320)	20202020	20331382E	32392020	20202031	382E3239	20202020	2031382E	32392020	20202031	382E3239
(1360)	20202020	20333632E	35372020	20202020	322E3033	20203831	3239302E	30332020	20202020	302E3030
(1400)	20202020	20203132E	30302020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(1440)	20202020	20203132E	30302020	38313239	302E3039	20202020	2031382E	32392020	20202020	302E3030
(1480)	20202020	20203132E	30302020	20202031	382E3239	20202020	2031382E	32392020	20202020	302E3030
(1520)	20202020	20203232E	30332020	38313239	302E3136	20202020	2031382E	32392020	20202020	302E3030
(1560)	20202020	20331382E	32392020	20202031	382E3239	20202020	2031382E	32392020	20202020	302E3030
(1600)	20203831	3239302E	32322020	20202020	302E3030	20202020	2033362E	35372020	20202020	302E3030
(1640)	20202020	20203132E	30302020	20202031	382E3239	20202020	2020302E	30302020	20202020	302E3030
(1680)	20203831	3239302E	32382020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(1720)	20202020	20203032E	30302020	20202020	302E3030	20202020	2031382E	32392020	38313239	302E3334
(1760)	20202020	20333632E	35372020	20202035	342E3836	20202020	2020302E	30302020	20202020	302E3030
(1800)	20202020	20203132E	30302020	20202020	302E3030	20202020	2020392E	30372020	38313239	302E3431
(1840)	20202020	20331382E	32392020	20202031	382E3239	20202020	2020302E	30302020	20202031	382E3239
(1880)	20202020	20331382E	32392020	20202020	302E3030	20203831	3239302E	34372020	20202020	302E3030
(1920)	20202020	20203132E	30302020	20202031	382E3239	20202020	2020302E	30302020	20202033	362E3537
(1960)	20202020	20203132E	30302020	20202020	342E3036	20203831	3239302E	35332020	20202031	382E3239
(2000)	20202020	20333632E	35372020	20202031	382E3239	20202020	2020302E	30302020	20202020	302E3030
(2040)	20202020	20203132E	30302020	38313239	302E3539	20202020	2031382E	32392020	20202031	382E3239
(2080)	20202020	20203132E	30302020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(2120)	20202020	20203132E	30302020	38313239	302E3636	20202020	2031382E	32392020	20202020	302E3030
(2160)	20202020	20331382E	32392020	20202033	362E3537	20202020	2031382E	32392020	20202020	302E3030
(2200)	20203831	3239302E	37322020	20202020	302E3030	20202020	2031382E	32392020	20202020	302E3030
(2240)	20202020	20331382E	32392020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030

ISEE 12

DUMP OF TAPE X393

INPUT TAPE X393 ON MS6
DATA INPUT OF NF 6 FL 1 1 1 SR 6 1 1 SR 6 LAST 1

FILE 1 RECORD 1 LENGTH 1636BYTES

(0)	000001000465	000624160752	000110104700	000003150C32	000300000000	000001000003	000000000000	000000000000
(48)	000377177777	177777177777	002741162434	176301040072	001432144562	000000000000	000000000000	000000000000
(96)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(144)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(192)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(240)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(288)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(336)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(384)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(432)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(480)	000000000000	000000000000	000000000000	000000000000	000000000000	153557050557	050121067400	067557067474
(528)	050157050000	067557050157	067557067400	067557050640	051157050000	067557050262	050120067400	067557052070
(576)	067557050400	141157051363	067521050000	140701050064	067520050000	067557050157	067557067400	067557050640
(624)	050157050000	067557051135	050557050000	101311050470	067557051000	104157050262	050120050400	067557050641
(672)	050557050400	067557050710	067557067400	067557050472	050123050000	067557067557	067557067400	067557050067
(720)	067557067400	141557067557	050520050000	140703050076	067557050000	067557050520	050157067400	067557050071
(768)	050125050400	067557051240	050557050000	164764067475	067557050000	131157050120	067521050400	067557067644
(816)	067557050000	067557067713	067520050000	067557050076	050157050400	000000000000	000145000000	000000000000
(864)	000000000004	026047000000	000000000011	111141067400	000116100001	077176175405	071000000000	000115000001
(912)	000465000625	020143000110	105000000003	150032000000	000003000001	000003177777	177777177777	177777177777
(960)	177777177777	177777002741	144536176301	073514001432	130750067557	050262067557	050000067557	051256050157
(1008)	067400051157	051370050120	050000001306	051733050520	050000067533	050557050557	050000067557	051200050157
(1056)	050000067557	050157050557	050000067636	052737067520	050000133157	050262067557	067400067557	050336050157
(1104)	050400067557	067710067557	067400067557	050734050120	067400067557	067521067557	067400067557	051204050120
(1152)	050400067557	067402050157	051000143647	067732050520	067400067636	050120067520	050400067557	050332067557
(1200)	050000067557	067650067557	067400067557	067726067557	050000133232	050120067521	067400067557	050722067557
(1248)	067400067557	050157067557	067400067557	050344067557	050400067557	050662050557	067400067557	050372051157
(1296)	050000067557	050702067557	067400141157	067635050157	050000117700	050157067520	050000067557	050657050120
(1344)	067400067557	067412067557	067400067557	050404050120	067400132704	050262050120	067400067557	067521067520
(1392)	067400067557	050310067557	067400067557	051157051157	050400067557	050520067520	050000067557	051157050557
(1440)	067400067557	051157050157	050400141557	050557067557	067400146705	067405067520	067400067557	051157067520
(1488)	067400067557	050241067557	067400067557	050557067521	050400106314	067521050520	067400155157	067557050157
(1536)	050000067557	051135050121	050000067557	050157067520	050000067557	050662050121	067400067557	050157067557
(1584)	050000067557	050724050120	067400140557	050157067520	050000141313	050157050557	050400067557	050557067521
(1632)	067400067557	050557067557	050000067557	050157067557	050400100305	050601050157	050000104557	051157067557
(1680)	050000067557	050312067557	067400067557	050157067557	050000067557	050520067557	050000067557	052157067557
(1728)	050000067557	051313051520	067400141157	067557050157	050000077571	102606162327	055000007545	001412020113
(1776)	000004026045	000103070541	056121141141	077400000116	100001077176	175405071400	000000000115	000000000000
(1824)	000000000000	000000000002						

FILE 1 RECORD 224 LENGTH 1836BYTES

(0)	000001000465	000101133665	000110174500	000003150C32	000100000000	000001000003	177777177777	177777177777
(48)	177777177760	000000000000	002651062310	176445126370	001355066003	116705067605	067520050000	067557067557
(96)	051121051000	067557050247	067557050400	067557050157	050157067400	172303067521	050557050000	132157067557
(144)	067520050400	067557067557	067557067400	067557050157	067520067400	067557050662	050120050000	067557050157
(192)	050557050000	067557067706	050157050000	051157050157	067557067400	175220050557	067522067400	067530050157
(240)	050557050000	067557067402	050157050000	067557050157	050157067400	067535067522	050120050000	133016067557
(288)	050557050000	067557051622	067520067400	067557067557	067557050400	067557067521	067521050400	067557050157
(336)	050557067400	067557067557	067557050000	067557067557	050120067400	142157050262	050120050000	142704067557
(384)	050157050000	067557067470	050157051000	067557067557	050157050000	067623050522	050557050000	133255067557
(432)	067557050400	067557067412	050121050400	067557067557	067520050000	067557050262	050157050400	067557067557
(480)	050157067400	067557050235	067520050400	067557067463	067557050400	140157050157	050157050000	001707050461
(528)	067557067400	067557050157	050157050400	067557050061	050157067400	067557067520	050157067400	131304067415
(576)	050157050400	162557050656	050120067400	067557051061	050157067400	067557050121	050157067400	067557050465
(624)	050157050000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(672)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(720)	000000000000	000000000005	000000050000	000000000000	000000000000	000000000000	000000000000	000000000000

ISEE 1 & 2

PARTICLE DATA ON TAPE

77-102A-10B

77-102B-08A

THESE DATA SETS HAVE BEEN RESTORED. BOTH ISEE 1 & 2 DATA ARE CONTAINED ON DD033436. THIS TAPE WAS 7-TRACK, 556 BPI, WRITTEN IN BINARY. THE TAPES D034067, 70 AND D035092, 94 WERE 9-TRACK, 1600 BPI, WRITTEN IN BINARY. THE TAPES D045694-99 WERE 9-TRACK, 1600 BPI WRITTEN IN ASCII. THERE ARE THREE RESTORED TAPES WRITTEN IN BINARY; DR/DS 004321, 23 AND 73, AND TWO RESTORED TAPES WRITTEN IN ASCII; DR/DS 004322 AND 74. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A VARIAN COMPUTER AND WERE RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

77-102A-10B, 77-102B-08A

DR#	DS#	DD#	FILES	TIME SPAN
DR004323	DS004323	D033436	6	11/05/77 - 11/05/77

77-102A-10B

DR#	DS#	DD#	FILES	TIME SPAN
DR004321	DS004321	D034069	1-14	11/07/77 - 01/01/78
		D035092	15-23	11/03/77 - 11/20/77
DR004322	DS004322	D045697	1-13	03/22/79, 03/31/79
		D045698	14-26	03/22/79, 03/31/79
		D045699	27-39	03/31/79, 04/01/79

77-102B-08A

DR#	DS#	DD#	FILES	TIME SPAN
DR004373	DS004373	D034070	1-15	11/07/77 - 01/01/78
		D035094	16-25	11/03/77 - 09/08/78
DR004374	DS004374	D045694	1-9	03/22/79 - 03/22/79
		D045695	10-21	03/31/79 - 03/31/79
		D045696	22-30	04/01/79 - 04/01/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 79-102A-10?

DATE DATA RECEIVED: 2/7/81

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1600 3 mag tapes

SATELLITE NAME/NSDF NAME: Seasat-1

EXPERIMENT NAME:

DATA SET FULL NAME: Radiale Data on Tape

CONTACT: ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: ☐ A NEW DATA SET ☒ ADDITIONS ☐ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 45197, 98, 99 21619, 21620, 21577

REMARKS:

1600 Ascii ark
13 files
3/22/79

3/31/79

1600 ascii odd ark
7 files
4/1/79

CDHW

DATA RECEIPT NOTIFICATION SENT? ☐

Linda Nemar
DATA TECHNICIAN

Date 7/29/81

NSSDC ID 77-102A-10B

CDAW DATA SET ENTRY

Date Rcvd: 15 July CDB: ϕ6

Data Sent By: Chris Gurgiolo (PanKs)

Material Rcvd: 33 Tapes (Expressed to 3 by UNCO Grp 3 - 9 Trk - 1600 BPI - ASCII), Documentation - Verification Plots - Time Gaps

Satellite/NSRF Name: ISEE-1

Data Set Name: Particle Data on Tape

☐ New Data Set ☒ Additions ☐ Replacements

Comments: 3 tapes were made - tape documentation is correct as regards format.

Time Coverage: 22 March, 31 March, 1 April

33 Tapes To be Returned to: chris Gurgiolo

(Do not return the 3 we are providing)

Completed By: D. Spencer

2/2/81
77-102A-10B
102B-8A

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Graduate Program in Geophysics AK-50

June 18, 1981

Dr. James I. Vette
CDB-6 Workshop
Code 601
NASA Goddard Space Flight Center
Greenbelt, Maryland 20771

Dear Dr. Vette:

Enclosed is an explanation of the tape format of the Anderson Exp tapes submitted as part of the CDAW 6 wrokshop. Also included is the CDB tape documentation form and a list of tapes.

The format used for these tapes is the same format used on tapes we submitted for CDAW 4 and CDAW5. Note that the content of word 8 has been altered.

The tapes come in 4 series labeled N.1, N.2, N.3, N.4 (where N = 1, 2, 3...). The N.1 series is ISEE-A data from March 22, 1979; the N.2 series is ISEE-B data from March 22, 1979; the N.3 series is ISEE-A data from March 31/April 1, 1979; and the N.4 series is ISEE-B data from March 31/April 1, 1979. The beginning time of each tape generally overlaps the ending time of the previous tape by 1 or more minutes. Except for this and the data on tape 5.4, the data are time ordered. There is a time overlap on tape 5.4 which begins at 14:31:21 and runs to 14:39:26 where the time changes to 14:34:07 and runs to end of tape.

One problem we had was round off error in the slow and fast word detector identifiers in words 9 and 10. This results in an error in the last digit. Since these numbers do not change for a given tape sequence I will list their corrected values here:

Series	Word 9	Word 10
N.1	2490249	567813
N.2	7890789	123456
N.3	2490249	567813
N.4	7890789	123456

The only data that needs to be put on line are: for ISEE-A, data from detectors 5, 6, 7, 8, 9 and for ISEE-B, data from detectors 2, 3, 4, 5, 6, 7, 8, 9. This data is all in counts per second. The change, convert this to flux (counts/cm^2-ster-keV-sec) divide each of the data from the appropriate detector by the number given below:

CDB6
7/29/81
77-102A-10B
102B-8A

Detector	ISEE-A		ISEE-B	
	Word 8=1,2	Word 8=3,4	Word 8=1,2	Word 8=3,4
1	.35	.35	.35	.35
2	.35	.35	.35	.35
3	.35	.35	.35	.35
4	.35	.35	.35	.35
5	.85 E-2	.1214 E-3	.85 E-2	.1214 E-3
6	.71 E-2	.1014 E-3	.82 E-2	.1171 E-3
7	.55 E-2	.7857 E-4	.47 E-2	.6714 E-4
8	.52 E-2	.7428 E-4	.55 E-2	.7857 E-4
9	.35	.35	.35	.35

Note as before data filled with -1.0 is missing data or fill.

If you have any questions don't hesitate to call -- my number is (206) 543-0953.

Sincerely,

Chris Gurgiolo

Chris Gurgiolo

P.S. I would also like to submit the following algorithm. It uses the UCLA Magnetometer data BX, BY, BZ to give the average pitch angle particles being detected by the Anderson Exp.

```
      SUBROUTINE AND-PIT-ANG

      COMMON BX, BY, BZ, PA

      T = BX*BX+BY+BY
      T = SQRT(T)/ABS(BZ)
      IF (T.GT.0.001)  GO TO 10          (Check for zero)
      PA = ATAN(T)                       (Find angle)
      PA = PA*180./3.141                 (Convert to degrees)
      RETURN
10    PA=0
      RETURN
      END
```

CG:SLJ

Enclosure

CDB 6
77-102B-08A
77-102A-10B

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER
2/29/81

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: Anderson Exp		
2. Scientific Contact: Dr George Parks	3. Telephone No. or Telex No.: 206 543-0953	
4. Address: Geophysics Program AK-50, Univ of Washington, ~~Seatt~~		
5. City: SEATTLE	6. State: WA	7. ZIP Code or Country: 98195
8. Programmer Contact: Dr George Parks		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 65	2. Tape Density: ☐ 800 bpi ☐ 1600 bpi 556 bpi
3. No. of Files (per tape): 1	
4. No. of End of File Marks: 2	5. No. of Tracks: ☒ 7 ☐ 9
6. Recording Parity: ODD	7. Make and Model of Computer Used to Generate Tape: VARIAN 620/f
8. Are tapes written in binary, coded or both? (e.g. BCD): ASCII FORMATED 490 F10.2	
9. What floating point representation is used? (e.g. CDC 64 bit)	
10. What integer representation is used?	
11. No. of Physical Records (per file): VARIES WITH TAPE - SEE ATTACHED LIST	
12. Are original tapes to be returned? ☒ Yes ☐ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.): SEE ATTACHED LIST	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

	CDB No.
Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

601-79 (10/80)

WACO TAPE

CDAW 6
TAPE LIST
ANDERSON EXP

7/25/81
77-102A-10B
77-102B-08A

Tape		Log Rec		Start	Time	Stop	Time
ISEE-A 22 March 79	1.1	580	TAPE 0.1 Files 1-6	79081	05:58:05	79081	08:39:53
	2.1	573			08:39:21		11:54:59
	3.1	587			11:53:23		14:48:03
	4.1	517 - ?	TRY Redo		12:41:30		14:48:03
	5.1	553			14:46:22		17:13:46
	6.1	622			17:12:58		20:00:05
ISEE-B 22 March 79	1.2	603	TAPE 0.4 Files 1-4	79081	05:58:13	79081	09:59:49
	2.2	562			09:57:10		12:27:02
	3.2	565			12:26:15		14:58:15
	4.2	521			14:55:35		17:16:07
ISEE-A 31 March - 1 April 79	1.3	580	TAPE 0.1 File 7-13	79090	11:46:54	79090	12:43:46
	2.3	580			12:42:22		13:21:01
	3.3	586			13:20:21		13:59:28
	4.3	495			13:58:24		14:38:18
	5.3	523			14:37:31		15:12:29
	6.3	536			15:11:22		15:47:04
	7.3	504			15:45:21		16:20:39
	8.3	519	JUNK AT Beg	1682 0:20	-16:20:18		16:54:55
	9.3	596			16:33:31		17:54:21
	10.3	584			17:53:25		18:45:39
	11.3	579			18:45:27		19:24:02
	12.3	600			19:23:26		20:03:25
	13.3	588	TAPE 0.2 Files 1-13		20:03:25		21:18:46
	14.3	541			21:17:35		21:55:10
	15.3	582			21:54:26		22:33:13
	16.3	602			22:32:25		23:12:32
	17.3	550			23:11:20		23:47:59
	18.3	551		79090	23:47:27	79091	00:24:14
	19.3	550		79091	00:23:22	79091	01:00:01
	20.3	575			00:59:28		01:37:56
	21.3	597	TAPE 0.3 Files 1-7		01:36:24		02:16:10
	22.3	590			02:16:12		02:54:45
	23.3	551			02:54:33		03:31:16
	24.3	561			03:30:24		04:07:47
	25.3	596			04:06:22		04:32:33
	26.3	596			04:51:21		05:31:05
	27.3	459			05:30:25		06:01:00

ISEE-B

31 March - 1 April 79

Tape	Log Rec	Start	Time	Stop	Time
1.4	580	79090	11:59:33	79090	12:38:13
2.4 TAPE	590		12:37:39		13:16:49
3.4	584		13:15:21		13:54:25
4.4 0.4	590		13:53:21		14:32:51
→ 5.4 Files	592		14:31:21	time overlap in Tape	15:05:20
6.4 5-11	552		15:05:04		15:41:53
7.4	576		15:41:25		16:19:49
8.4	585		16:18:21		16:57:20
9.4	566		16:56:21		17:35:37
10.4 TAPE	616		17:40:21		18:17:29
11.4	594		16:56:29		17:37:37
12.4 0.5	605		17:36:20		18:18:45
13.4 Files	551		18:17:24		18:54:05
14.4 1-12	560		18:53:04		19:30:14
15.4	570		19:29:34		20:07:34
16.4	612		20:06:22		21:11:02
17.4	612		21:09:06		22:39:06
18.4	600		22:38:26		23:32:02
19.4	587	79090	23:30:30	79091	00:09:46
20.4	600	79091	00:08:12	79091	00:48:22
21.4 TAPE	600		00:47:26		01:50:51
22.4	596		01:50:34		02:30:25
23.4 0.6	569		02:24:51		03:07:18
24.4 Files	610		03:06:26		03:47:06
25.4 1-9	580		08:46:33		04:24:21
26.4	600		04:24:33		05:05:53
27.4	502		05:05:21		05:38:50
28.4	327		05:38:26		06:00:14

Here is a list of some of the known data gaps:

CDAW 6

LIST OF PERTINENT GAPS

ANDERSON EXP

Tape	Start	Stop
12.4	18:06	18:08
16.4	20:23	20:47
18.4	22:50	23:03
21.4	01:06	01:30
1.1	08:21	08:28
2.1	08:47	09:31
4.1	12:56	12:59
4.1	14:00	14:32
1.3	11:47	12:05
9.3	16:57	17:19
10.3	18:06	18:19
13.3	20:22	20:51

190 CPU TAPE 2.1 Bad Record 468
647 CPU - 2.½ HRS PROG Time

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293 CPU TAPE 3.2 BAD Record 2250
15 2251
252 CPU 1.5 HRS PROG Time 2252
2253

1000. CPU
527. CPU
52. CPU - BAC 7.5 HRS PROG
9. CPU REC CNT

---

217 CPU
1285 CPU
18 CPU REC CNT
953 CPU

---

963 CPU TAPE 14.4 READ ERR AT 6669
600 CPU
62 CPU
1179 CPU

C036
7/29/81
77-102A-101
102B-8A

CDAW

ANDERSON EXP

TAPE FORMAT 4900 char.

Each record consists of 490 ASCII words formatted as 490 F10.2. The first 10 words contain identification information and the remaining 480 data in counts/sec. The data is broken down into rows of alternating 8- and 7-word strings (total of 64 rows). Word 11 is always the start of an 8-word row. A partial block diagram is shown below. Note that data on tape are not broken into rows but are a continuous 490-word string.

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10
W11	W12	W13	W14	W15	W16	W17	W18		
W19	W20	W21	W22	W23	W24	W25			
W26	W27	W28	W29	W30	W31	W32	W33		
W34	W35	W36	W37	W38	W39	W40			

W461	W462	W463	W464	W465	W466	W467	W468
W469	W470	W471	W472	W473	W474	W475	
W476	W477	W478	W479	W480	W481	W482	W483
W484	W485	W486	W487	W488	W489	W490	

A description of words 1-10 is given below:

Word 1	Spacecraft Identification		ISEE-1 = 1.0 ISEE-2 = 2.0
Word 2	Year		
Word 3	Day		
Word 4	Spacecraft Position in km		GSE X
Word 5			GSE Y
Word 6			GSE Z
Word 7	Frame Rate in sec		
Word 8	Bit Rate	Low = 1.0 High = 2.0	Large geometry factor
		Low = 3.0 High = 4.0	Small geometry factor
Word 9	Identifies Slow Word Data		
Word 10	Identifies Fast Word Data		

Each row of data is a frame. The first word in each row (W11, W19, W491, W469, etc.) is the frame time in seconds. The next 6 words are the fast data. The next word (occurring every other row) is the slow data.

Words 9 and 10 and the following table show which of our detectors the data were sent from.

Detector	Lable
Anti-coincidence	0
OT8	1
OT30	2
FT8	3
FT30	4
2e	5
6e	6
2p	7
2e	8
OT200	9

Word 10 is a 6-digit number. The first digit (hundred thousand digit) identifies the detector corresponding to the first fast data word (W12, W20, or W27, etc.). The second digit (ten thousand digit) identifies the detector corresponding to the 2nd fast data word (W13 or W21, etc.) and so on. The first fast word in each frame is associated with the first digit in word 10, the second with the second, etc.

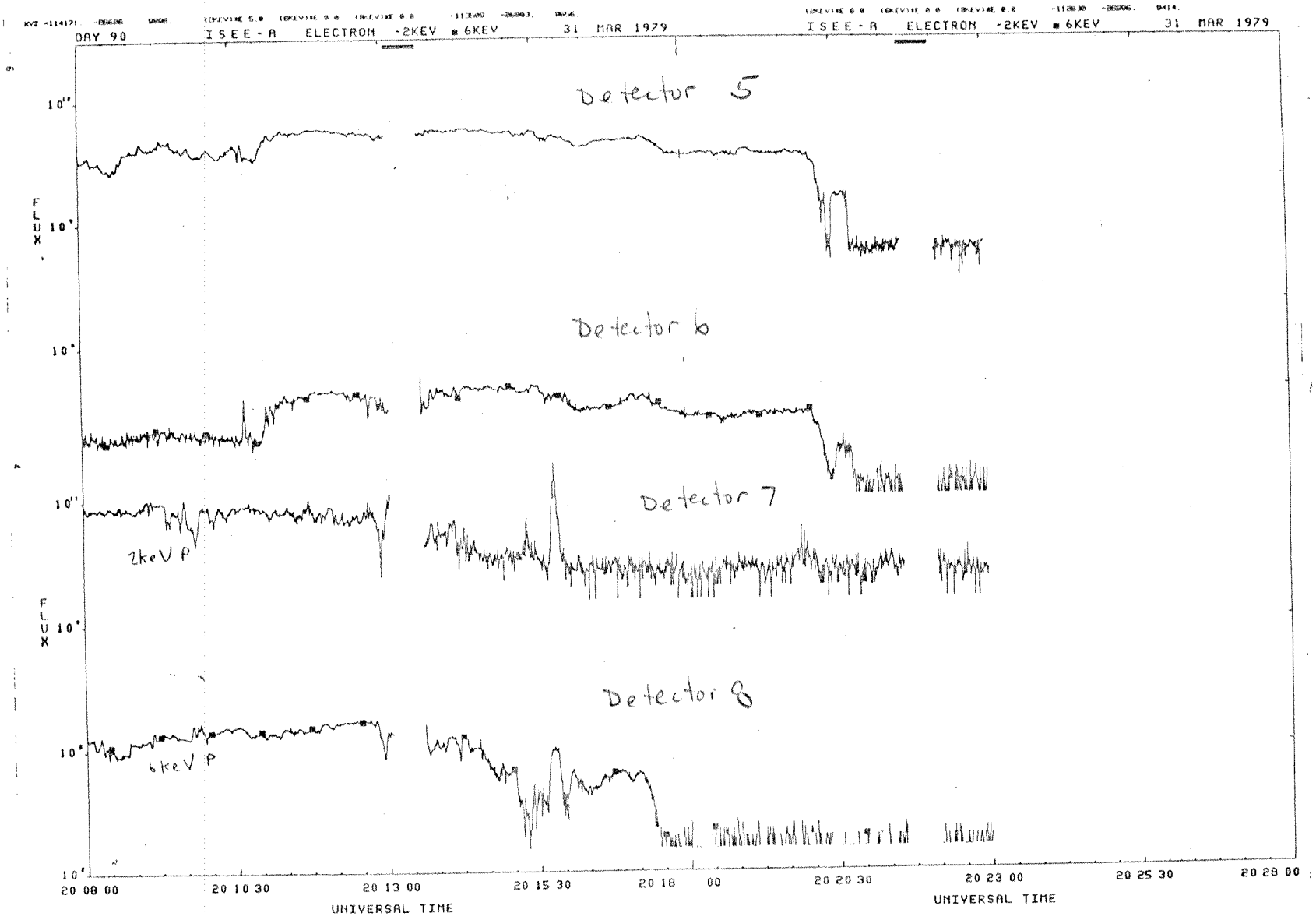
The detector sending configuration need only be established once for the tape. It will not change from record to record unless there is a change in bit rate (Word 8).

The slow words are identified in the same number as the fasts through word 9. Word 9 is a 7-digit number. The slow word detector format repeats every 8 slow words. The 8th slow word is always a blank and filled with -1.

The first eight slow words are W18, W33, W48, W73, W88, W103, W138, W143.

Note that data in either the fast or slow data words may come from the same detector. That is, both slow words W18 and W88 may be identified in word 9 as a 2., meaning that OT30 sends data twice in the slow word cycle.

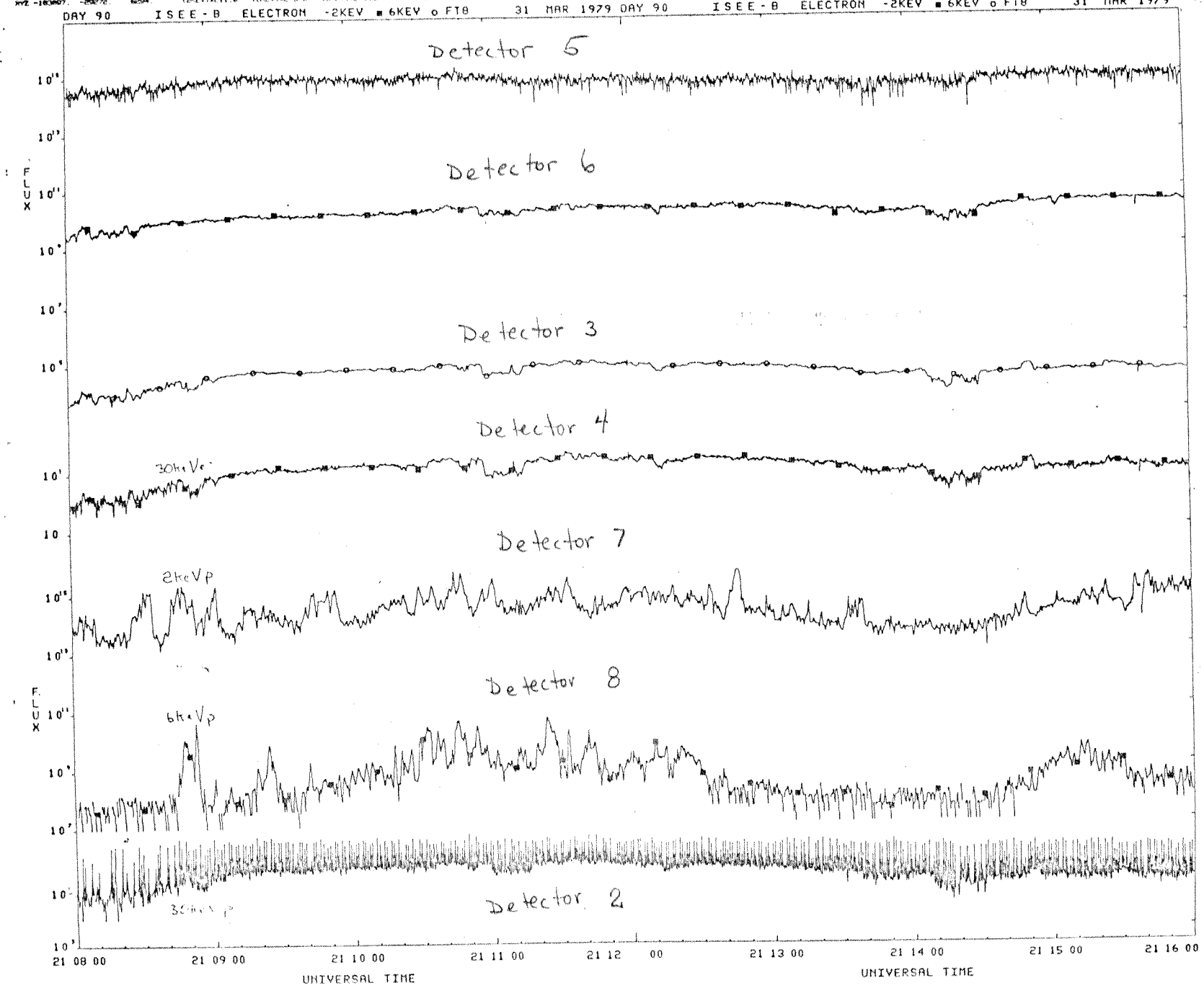
ISEE-A



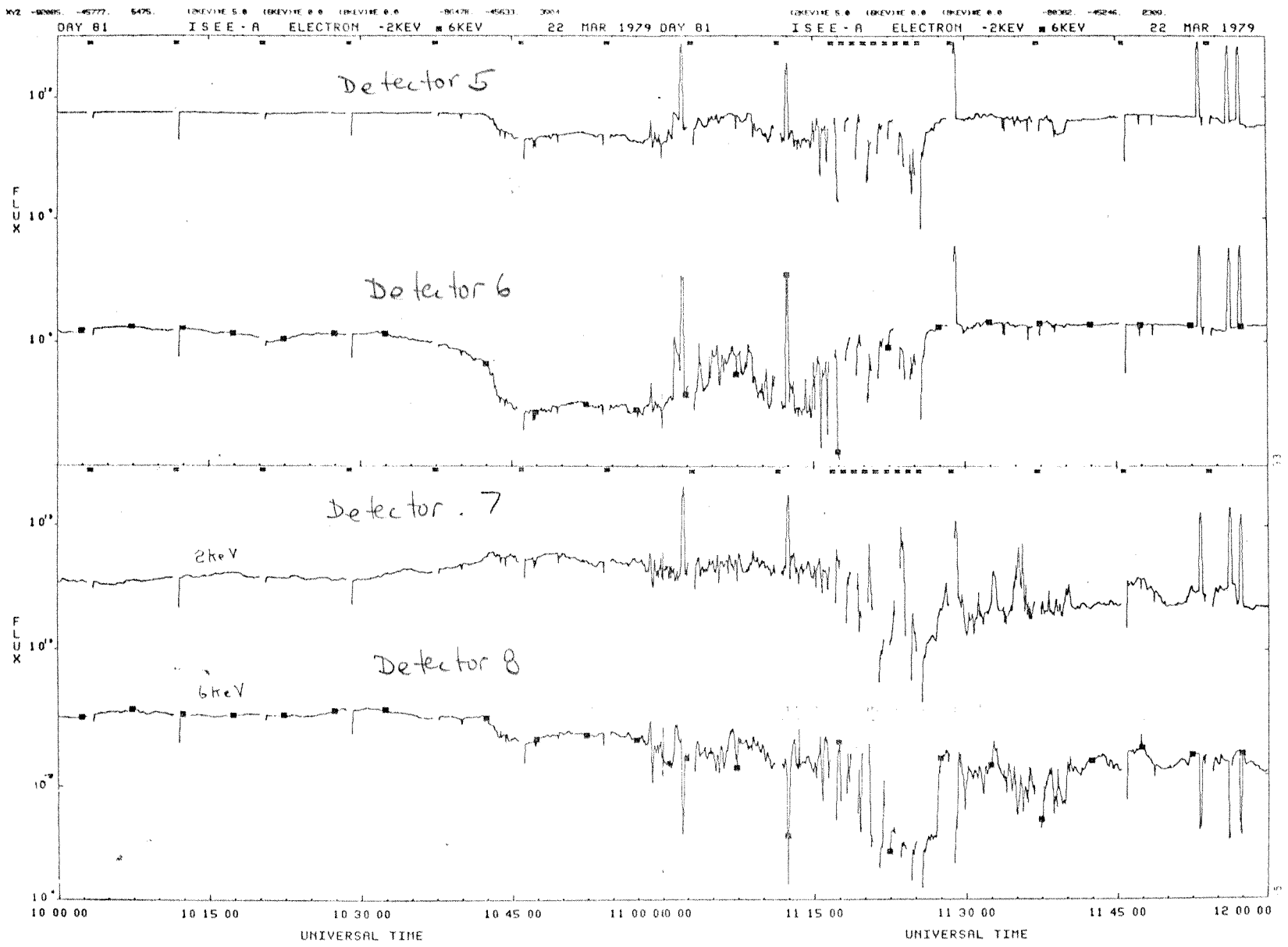
CD36
7/29/81
77-1024-10B
10218-814

ISEE-B

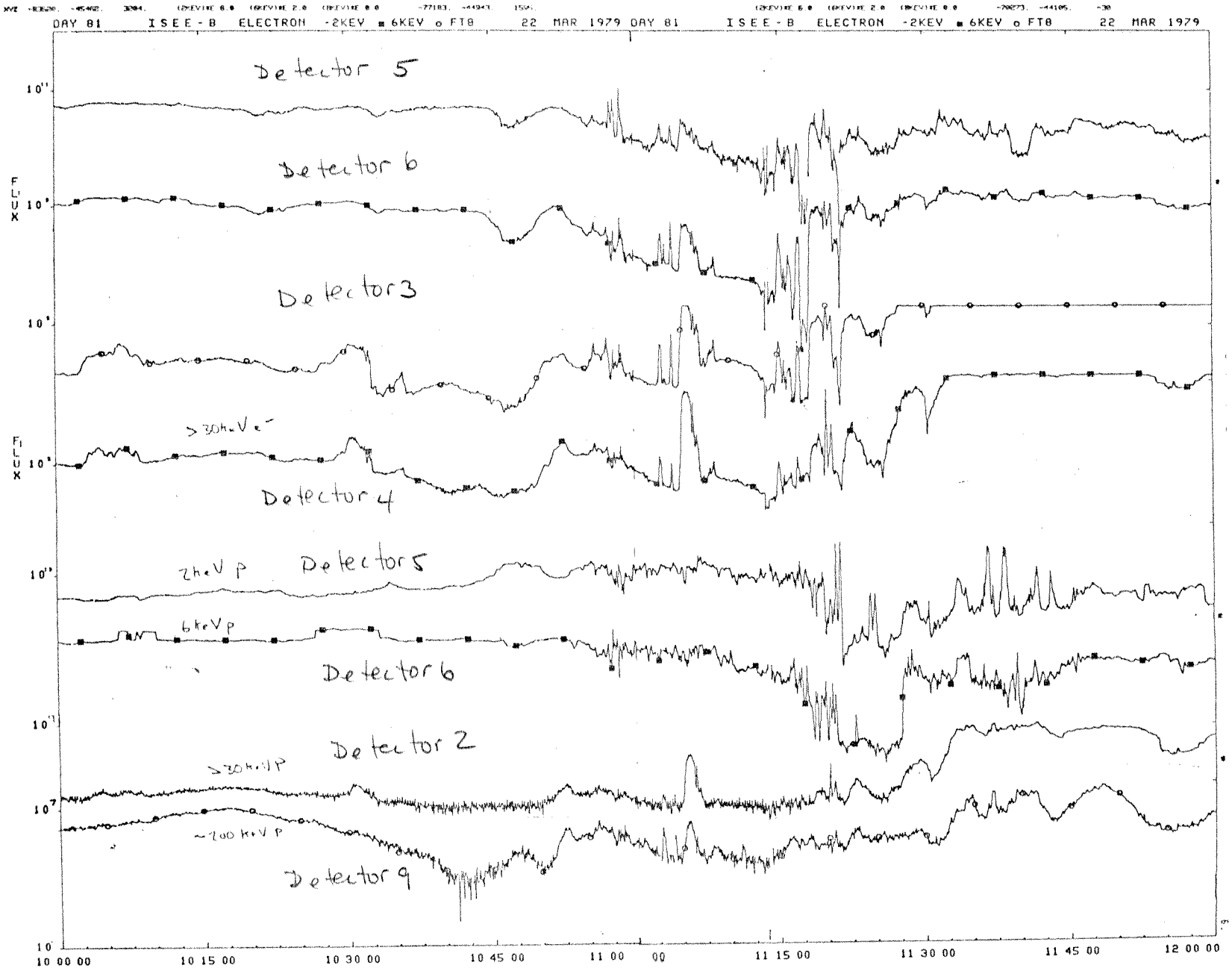
DAY 90 ISEE-B ELECTRON -2KEV ■ 6KEV o FT8 31 MAR 1979 DAY 90 ISEE-B ELECTRON -2KEV ■ 6KEV o FT8 31 MAR 1979



ISEE A


DAY 81 ISEE-A ELECTRON -2KEV 6KEV 22 MAR 1979 DAY 81
ISEE-A ELECTRON -2KEV 6KEV 22 MAR 1979
Detector 5
Detector 6
Detector . 7
2keV
Detector 8
6keV
FLUX
FLUX
10 00 00
10 15 00
10 30 00
10 45 00
11 00 00 00
11 15 00
11 30 00
11 45 00
12 00 00
UNIVERSAL TIME
UNIVERSAL TIME

ISEE-B


DAY 81 ISEE-B ELECTRON -2KEV ■ 6KEV o FTB 22 MAR 1979 DAY 81 ISEE-B ELECTRON -2KEV ■ 6KEV o FTB 22 MAR 1979
Detector 5
Detector 6
Detector 3
FLUX
>30keV e⁻
Detector 4
FLUX
2keV P
Detector 5
6keV P
Detector 6
Detector 2
>30keV P
~200 keV P
Detector 9
10 00 00
10 15 00
10 30 00
10 45 00
11 00 00
11 15 00
11 30 00
11 45 00
12 00 00

D-45697
3/22/81

DUMP OF TAPE X-399

INPUT TAPE X-399 ON MT3
DATA INPUT H9 NF 13 FL 1 1 STOP

FILE 1 RECORD 1 LENGTH 4900BYTES 7 9 81

(0)	20202020	2020312E	30302020	20202037	392E3030	20202020	2038312E	30302D31	31303633	372E3334
(40)	202D3434	3438342E	34312020	31313533	332E3834	20202020	2020202E	32352020	20202020	312E3030
(80)	32343930	3234392E	30302035	36373831	332E3030	20203231	3438352E	39302020	31393535	352E3039
(120)	20202020	3437302E	37312020	20203930	382E3339	20202031	3535322E	35322020	20203133	362E3236
(160)	20202020	2020302E	30302020	20333739	302E3831	20203231	3438362E	31352020	31393535	352E3039
(200)	20202020	3437302E	37312020	20313030	372E3438	20202031	3535322E	35322020	20202020	302E3030
(240)	20202020	2020302E	30302020	32313438	362E3430	20203139	3535352E	30392020	20203433	372E3638
(280)	20202020	3837352E	33352020	20313232	322E3139	20202020	2020302E	30302020	20202020	302E3030
(320)	20202020	3135362E	36312020	32313438	362E3635	20203139	3535352E	30392020	20203433	372E3638
(360)	20202020	3937342E	34352020	20313535	322E3532	20202020	2020302E	30302020	20202020	302E3030
(400)	20203231	3438362E	39302020	31393535	352E3039	20202020	3532302E	32362020	20313030	372E3438
(440)	20202031	3335342E	33322020	20202020	302E3030	20202020	2020302E	30302020	20202020	312E3030
(480)	20203231	3438372E	31352020	31393535	352E3039	20202020	3534352E	30332020	20203930	382E3339
(520)	20202031	3438362E	34352020	20202020	302E3030	20202020	2020302E	30302020	32313438	372E3430
(560)	20203139	3535352E	30392020	20203437	302E3731	20202031	3034302E	35322020	20313438	362E3435
(600)	20202020	2020302E	30302020	20202020	302E3030	20202020	2020312E	30302020	32313438	372E3635
(640)	20203139	3535352E	30392020	20203433	372E3638	20202020	3934312E	34322020	20313438	362E3435
(680)	20202032	3038312E	30332020	20313039	302E3036	20203231	3438372E	39302020	31393535	352E3039
(720)	20202020	3530332E	37342020	20203937	342E3435	20202031	3438362E	34352020	20202020	302E3030
(760)	20202020	2020302E	30302020	20202020	202E3530	20203231	3438382E	31352020	31393535	352E3039
(800)	20202020	3437302E	37312020	20203937	342E3435	20202031	3438362E	34352020	20202020	302E3030
(840)	20202020	2020302E	30302020	32313438	382E3430	20203139	3535352E	30392020	20203534	352E3033
(880)	20202020	3934312E	34322020	20313438	362E3435	20202020	2020302E	30302020	20202020	302E3030
(920)	20202020	2031382E	35372020	32313438	382E3635	20203139	3535352E	30392020	20203430	342E3635
(960)	20202031	3039302E	30362020	20313438	362E3435	20203236	3935342E	33322020	20313335	342E3332
(1000)	20203231	3438382E	39302020	31393535	352E3039	20202020	3435342E	31392020	20203937	342E3435
(1040)	20202031	3432302E	33392020	20393234	392E3033	20202020	2032302E	36352020	20202020	312E3030
(1080)	20203231	3438392E	31352020	32303631	322E3133	20202020	3530332E	37342020	20313030	372E3438
(1120)	20202031	3438362E	34352020	20202020	302E3030	20202020	2020302E	30302020	32313438	392E3430
(1160)	20203139	3535352E	30392020	20203432	312E3136	20202020	3934312E	34322020	20313631	382E3538
(1200)	20202020	2020302E	30302020	20202020	302E3030	20202020	202D312E	30302020	32313438	392E3635
(1240)	20203139	3535352E	30392020	20203437	302E3731	20202031	3030372E	34382020	20313438	362E3435
(1280)	20202020	2020302E	30302020	20202020	302E3030	20203231	3438392E	39302020	31393535	352E3039
(1320)	20202020	3435342E	31392020	20203937	342E3435	20202031	3535322E	35322020	20202020	302E3030
(1360)	20202020	2020302E	30302020	20333739	302E3831	20203231	3439302E	31352020	31393535	352E3039
(1400)	20202020	3430342E	36352020	20203934	312E3432	20202031	3535322E	35322020	20202020	302E3030
(1440)	20202020	2020302E	30302020	32313439	302E3430	20203139	3535352E	30392020	20203530	332E3734
(1480)	20202031	3039302E	30362020	20313535	322E3532	20202020	2020302E	30302020	20202020	302E3030
(1520)	20202020	3135362E	36312020	32313439	302E3635	20203139	3535352E	30392020	20203438	372E3233
(1560)	20202031	3039302E	30362020	20313631	382E3538	20202033	3130352E	30332020	20313039	302E3036
(1600)	20203231	3439302E	39302020	31393535	352E3039	20202020	3437302E	37312020	20203930	382E3339
(1640)	20202031	3438362E	34352020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(1680)	20203231	3439312E	31352020	31393535	352E3039	20202020	3438372E	32332020	20313030	372E3438
(1720)	20202031	3335342E	33322020	20202020	302E3030	20202020	2020302E	30302020	32313439	312E3430
(1760)	20203139	3535352E	30392020	20203532	302E3236	20202031	3039302E	30362020	20313335	342E3332
(1800)	20202020	2020302E	30302020	20202020	302E3030	20202020	2020202E	32352020	32313439	312E3635
(1840)	20203139	3535352E	30392020	20203534	352E3033	20202031	3039302E	30362020	20313535	322E3532
(1880)	20203134	3533342E	32302020	20203437	302E3731	20203231	3439312E	39302020	31393535	352E3039
(1920)	20202020	3534352E	30332020	20313034	302E3532	20202031	3432302E	33392020	32313636	392E3136
(1960)	20202020	2036312E	39342020	20333739	302E3831	20203231	3439322E	31352020	31393535	352E3039
(2000)	20202020	3532302E	32362020	20203934	312E3432	20202031	3438362E	34352020	20202020	302E3030
(2040)	20202020	2020302E	30302020	32313439	322E3430	20203139	3535352E	30392020	20203534	352E3033
(2080)	20202020	3937342E	34352020	20313631	382E3538	20202020	2020302E	30302020	20202020	302E3030
(2120)	20202020	2037382E	33312020	32313439	322E3635	20203139	3535352E	30392020	20203432	312E3136
(2160)	20202031	3039302E	30362020	20313535	322E3532	20202020	2020302E	30302020	20202020	302E3030
(2200)	20203231	3439322E	39302020	32303631	322E3133	20202020	3435342E	31392020	20313039	302E3036
(2240)	20202031	3638342E	36352020	20202020	302E3030	20202020	2020302E	30302020	20202020	202E3530

D-45698
3/31/79

DUMP OF TAPE X-400

INPUT TAPE X-400 ON MT3
DATA INPUT H9 NF 13 FL 1 1 STOP

FILE 1 RECORD 1 LENGTH 4900BYTES 79 90

(0)	20202020	2020312E	30302020	20202037	392E3030	20202020	2039302E	30302D31	32363731	312E3536
(40)	202D3231	3632302E	37342020	31353134	342E3431	20202020	2020202E	30362020	20202020	312E3030
(80)	32343930	3234392E	30302035	36373831	322E3735	20203538	3832302E	30362020	31393330	392E3731
(120)	20202038	3633302E	38362020	20203534	382E3537	20202031	3030352E	37312020	20202020	302E3030
(160)	20202020	2020302E	30302020	20202020	302E3030	20203538	3832302E	31332020	32303438	302E3030
(200)	20202038	3932332E	34332020	20203433	382E3836	20202031	3131352E	34332020	20202020	302E3030
(240)	20202020	2020302E	30302020	35383832	302E3139	20203138	3433322E	30302020	20383633	302E3836
(280)	20202020	3435372E	31342020	20203835	392E3433	20202020	3933322E	35372020	20202020	302E3030
(320)	20202020	2020302E	30302020	35383832	302E3235	20203139	3330392E	37312020	20383633	302E3836
(360)	20202020	3634302E	30302020	20313131	352E3433	20202020	3637362E	35372020	20202020	302E3030
(400)	20203538	3832302E	33312020	31393330	392E3731	20202038	3034352E	37312020	20203435	372E3134
(440)	20202031	3135322E	30302020	20203235	362E3030	20202034	3630382E	30302020	20202020	302E3030
(480)	20203538	3832302E	33382020	31393330	392E3731	20202038	3932332E	34332020	20203630	332E3433
(520)	20202031	3131352E	34332020	20202020	302E3030	20202020	2039312E	34332020	35383832	302E3434
(560)	20203139	3330392E	37312020	20393231	362E3030	20202020	3531322E	30302020	20313034	322E3239
(600)	20202020	2020302E	30302020	20202020	302E3030	20202020	2020302E	30302020	35383832	302E3530
(640)	20203138	3433322E	30302020	20383633	302E3836	20202020	3637362E	35372020	20313230	362E3836
(680)	20202020	2020302E	30302020	20202020	302E3030	20203538	3832302E	35362020	31393330	392E3731
(720)	20202038	3333382E	32392020	20203531	322E3030	20202031	3135322E	30302020	20202020	302E3030
(760)	20202020	2020302E	30302020	20202020	322E3033	20203538	3832302E	36332020	31393330	392E3731
(800)	20202038	3932332E	34332020	20203630	332E3433	20202020	3936392E	31342020	20202020	302E3030
(840)	20202020	2020302E	30302020	35383832	302E3639	20203139	3330392E	37312020	20383633	302E3836
(880)	20202020	3531322E	30302020	20313034	322E3239	20202020	2020302E	30302020	20202020	302E3030
(920)	20202020	2034362E	37332020	35383832	302E3735	20203139	3330392E	37312020	20383932	332E3433
(960)	20202020	3433382E	38362020	20203936	392E3134	20202020	2020302E	30302020	20202020	302E3030
(1000)	20203538	3832302E	38312020	31393330	392E3731	20202038	3333382E	32392020	20203437	352E3433
(1040)	20202031	3131352E	34332020	20202020	302E3030	20202020	2020302E	30302020	20202020	362E3130
(1080)	20203538	3832302E	38382020	31393330	392E3731	20202038	3932332E	34332020	20203731	332E3134
(1120)	20202020	3738362E	32392020	20202020	302E3030	20202020	2020302E	30302020	35383832	302E3934
(1160)	20203139	3330392E	37312020	20383633	302E3836	20202020	3533302E	32392020	20313037	382E3836
(1200)	20202020	2020302E	30302020	20202020	302E3030	20202020	2020312E	30302020	35383832	312E3030
(1240)	20203139	3330392E	37312020	20383633	302E3836	20202020	3531322E	30302020	20313030	352E3731
(1280)	20202020	2020302E	30302020	20202020	302E3030	20203538	3832312E	30362020	31393330	392E3731
(1320)	20202038	3932332E	34332020	20203531	322E3030	20202020	3933322E	35372020	20202020	302E3030
(1360)	20202020	2020302E	30302020	20202020	302E3030	20203538	3832312E	31332020	32303438	302E3030
(1400)	20202038	3633302E	38362020	20203634	302E3030	20202020	3839362E	30302020	20202020	302E3030
(1440)	20202020	2020302E	30302020	35383832	312E3139	20203230	3438302E	30302020	20383633	302E3836
(1480)	20202020	3538352E	31342020	20203832	322E3836	20202020	2020302E	30302020	20202020	302E3030
(1520)	20202020	2020302E	30302020	35383832	312E3235	20203230	3438302E	30302020	20383333	382E3239
(1560)	20202020	3538352E	31342020	20203933	322E3537	20202020	2020302E	30302020	20202020	302E3030
(1600)	20203538	3832312E	33312020	31393330	392E3731	20202038	3333382E	32392020	20203338	342E3030
(1640)	20202031	3037382E	38362020	32303438	302E3030	20202034	3436312E	37312020	20202020	302E3030
(1680)	20203538	3832312E	33382020	31393330	392E3731	20202038	3633302E	38362020	20203437	352E3433
(1720)	20202031	3034322E	32392020	36393034	362E3834	20202020	2020302E	30302020	35383832	312E3434
(1760)	20203139	3330392E	37312020	20383932	332E3433	20202020	3637362E	35372020	20203634	302E3030
(1800)	20203537	3334342E	30302020	20202020	302E3030	20202020	2020302E	30302020	35383832	312E3530
(1840)	20203139	3330392E	37312020	20383333	382E3239	20202020	3634302E	30302020	20313230	362E3836
(1880)	20202020	2020302E	30302020	20202020	302E3030	20203538	3832312E	35362020	31383433	322E3030
(1920)	20202038	3633302E	38362020	20203538	352E3134	20202020	3835392E	34332020	20202020	302E3030
(1960)	20202020	2020302E	30302020	31353334	332E3735	20203538	3832312E	36332020	31393330	392E3731
(2000)	20202038	3333382E	32392020	20203630	332E3433	20202031	3030352E	37312020	20202020	302E3030
(2040)	20202020	2020302E	30302020	35383832	312E3639	20203139	3330392E	37312020	20383932	332E3433
(2080)	20202020	3533302E	32392020	20313030	352E3731	20202020	2020302E	30302020	20202020	302E3030
(2120)	20202020	3434362E	39382020	35383832	312E3735	20203139	3330392E	37312020	20383932	332E3433
(2160)	20202020	3533302E	32392020	20203637	362E3537	20202020	2020302E	30302020	20202020	302E3030
(2200)	20203538	3832312E	38312020	32303438	302E3030	20202038	3633302E	38362020	20203531	322E3030
(2240)	20202020	3738362E	32392020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030

D-45699
4/1/79

DUMP OF TAPE X406

INPUT TAPE X406 ON MT2
DATA INPUT H9 FL 1 1 STOP

FILE 1 RECORD 1 LENGTH 4900BYTES 79 91

(0)	20202020	2020312E	30302020	20202037	392E3030	20202020	2039312E	30302020	38363431	302E3437
(40)	20203331	3531302E	31382020	20313538	302E3532	20202020	2020202E	30362020	20202020	312E3030
(80)	32343930	3234392E	30302035	36373831	322E3735	20202035	3738342E	31322020	32323832	302E3537
(120)	20203130	3234302E	30302020	20203637	362E3537	20202032	3038342E	35372020	20202020	302E3030
(160)	20202020	3534382E	35372020	20202020	322E3033	20202035	3738342E	31392020	32333939	302E3836
(200)	20202039	3635342E	38362020	20203637	362E3537	20202031	3537322E	35372020	20202020	302E3030
(240)	20202034	3136392E	31342020	20353738	342E3235	20203232	3832302E	35372020	31303234	302E3030
(280)	20202020	3634302E	30302020	20313739	322E3030	20202020	2020302E	30302020	20202020	302E3030
(320)	20202020	2036322E	39382020	20353738	342E3331	20203232	3832302E	35372020	31303234	302E3030
(360)	20202020	3839362E	30302020	20313836	352E3134	20202020	2020302E	30302020	20202020	302E3030
(400)	20202035	3738342E	33372020	32323832	302E3537	20202039	3635342E	38362020	20203734	392E3731
(440)	20202032	3031312E	34332020	20202020	302E3030	20202020	2020302E	30302020	20202020	342E3036
(480)	20202035	3738342E	34342020	32323832	302E3537	20203130	3234302E	30302020	20203534	382E3537
(520)	20202032	3031312E	34332020	20202020	302E3030	20202020	2020302E	30302020	20353738	342E3530
(560)	20203233	3939302E	38362020	31303234	302E3030	20202020	3536362E	38362020	20313731	382E3836
(600)	20202020	2020302E	30302020	20202020	302E3030	20202020	2020302E	30302020	20353738	342E3536
(640)	20203232	3832302E	35372020	20383932	332E3433	20202020	3835392E	34332020	20323135	372E3731
(680)	20202020	2020302E	30302020	20202020	302E3030	20202035	3738342E	36322020	32313635	302E3239
(720)	20202039	3635342E	38362020	20203734	392E3731	20202032	3031312E	34332020	20202020	302E3030
(760)	20202020	2020302E	30302020	20202020	302E3030	20202035	3738342E	36392020	32333939	302E3836
(800)	20203130	3234302E	30302020	20203832	322E3836	20202031	3537322E	35372020	20202020	302E3030
(840)	20202020	2020302E	30302020	20353738	342E3735	20203232	3832302E	35372020	31303234	302E3030
(880)	20202020	3634302E	30302020	20313634	352E3731	20202020	2020302E	30302020	20202020	302E3030
(920)	20202020	2020302E	30302020	20353738	342E3831	20203232	3832302E	35372020	20393635	342E3836
(960)	20202020	3832322E	38362020	20313634	352E3731	20202020	2020302E	30302020	20202020	302E3030
(1000)	20202035	3738342E	38372020	32333939	302E3836	20202039	3635342E	38362020	20313030	352E3731
(1040)	20202031	3731382E	38362020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(1080)	20202035	3738342E	39342020	32323832	302E3537	20202039	3635342E	38362020	20203538	352E3134
(1120)	20202031	3537322E	35372020	20202020	302E3030	20202020	2020302E	30302020	20353738	352E3030
(1160)	20203232	3832302E	35372020	20393635	342E3836	20202020	3936392E	31342020	20313537	322E3537
(1200)	20202020	2020302E	30302020	20202020	302E3030	20202020	2020312E	30302020	20353738	352E3036
(1240)	20203232	3832302E	35372020	20393635	342E3836	20202020	3832322E	38362020	20323038	342E3537
(1280)	20202020	2020302E	30302020	20202020	302E3030	20202035	3738352E	31322020	32323832	302E3537
(1320)	20202039	3635342E	38362020	20203637	362E3537	20202031	3739322E	30302020	20203433	382E3836
(1360)	20202020	2020302E	30302020	20202020	362E3130	20202035	3738352E	31392020	32323832	302E3537
(1400)	20202039	3231362E	30302020	20203839	362E3030	20202031	3739322E	30302020	35373334	342E3030
(1440)	20202034	3832372E	34332020	20353738	352E3235	20203232	3832302E	35372020	20393635	342E3836
(1480)	20202020	3634302E	30302020	20323031	312E3433	20203733	3732382E	30302020	20202020	302E3030
(1520)	20202020	2020302E	30302020	20353738	352E3331	20203232	3832302E	35372020	31303234	302E3030
(1560)	20202020	3832322E	38362020	20313634	352E3731	20202035	3431322E	35372020	20202020	302E3030
(1600)	20202035	3738352E	33372020	32333939	302E3836	20202039	3635342E	38362020	20203637	362E3537
(1640)	20202031	3836352E	31342020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030
(1680)	20202035	3738352E	34342020	32333939	302E3836	20202039	3635342E	38362020	20203731	332E3134
(1720)	20202031	3739322E	30302020	20202020	302E3030	20202020	2020302E	30302020	20353738	352E3530
(1760)	20203232	3832302E	35372020	20393635	342E3836	20202020	3731332E	31342020	20313634	352E3731
(1800)	20202020	2020302E	30302020	20202020	302E3030	20202020	2020302E	30302020	20353738	352E3536
(1840)	20203233	3939302E	38362020	31303234	302E3030	20202020	3634302E	30302020	20313634	352E3731
(1880)	20202020	2020302E	30302020	20202020	302E3030	20202035	3738352E	36322020	32323832	302E3537
(1920)	20202039	3635342E	38362020	20203738	362E3239	20202031	3335332E	31342020	20202020	302E3030
(1960)	20202020	2020302E	30302020	31343832	332E3632	20202035	3738352E	36392020	32333939	302E3836
(2000)	20203130	3234302E	30302020	20203536	362E3836	20202031	3537322E	35372020	20202020	302E3030
(2040)	20202020	2020302E	30302020	20353738	352E3735	20203232	3832302E	35372020	20393635	342E3836
(2080)	20202020	3538352E	31342020	20313731	382E3836	20202020	2020302E	30302020	20202020	302E3030
(2120)	20202020	3436332E	32342020	20353738	352E3831	20203232	3832302E	35372020	20393635	342E3836
(2160)	20202020	3634302E	30302020	20313634	352E3731	20202020	2020302E	30302020	20202020	302E3030
(2200)	20202035	3738352E	38372020	32323832	302E3537	20203130	3234302E	30302020	20203634	302E3030
(2240)	20202031	3836352E	31342020	20202020	302E3030	20202020	2020302E	30302020	20202020	302E3030

ISEE 1 & 2

PARTICLE DATA ON TAPE

77-102A-10B

77-102B-08A

THESE DATA SETS HAVE BEEN RESTORED. BOTH ISEE 1 & 2 DATA ARE CONTAINED ON DD033436. THIS TAPE WAS 7-TRACK, 556 BPI, WRITTEN IN BINARY. THE TAPES D034067, 70 AND D035092, 94 WERE 9-TRACK, 1600 BPI, WRITTEN IN BINARY. THE TAPES D045694-99 WERE 9-TRACK, 1600 BPI WRITTEN IN ASCII. THERE ARE THREE RESTORED TAPES WRITTEN IN BINARY; DR/DS 004321, 23 AND 73, AND TWO RESTORED TAPES WRITTEN IN ASCII; DR/DS 004322 AND 74. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A VARIAN COMPUTER AND WERE RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

77-102A-10B, 77-102B-08A

DR#	DS#	DD#	FILES	TIME SPAN
DR004323	DS004323	D033436	6	11/05/77 - 11/05/77

77-102A-10B

DR#	DS#	DD#	FILES	TIME SPAN
DR004321	DS004321	D034069	1-14	11/07/77 - 01/01/78
		D035092	15-23	11/03/77 - 11/20/77
DR004322	DS004322	D045697	1-13	03/22/79, 03/31/79
		D045698	14-26	03/22/79, 03/31/79
		D045699	27-39	03/31/79, 04/01/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102B-09A

DATE DATA RECEIVED: 08/07/81

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	3 mag tapes

SATELLITE NAME/NSDF NAME: ISEE-A

EXPERIMENT NAME:

DATA SET FULL NAME: Particle data on tape

CONTACT: ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: ☐ A NEW DATA SET ☑ ADDITIONS ☐ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DX 4564, 65, 66, 67

REMARKS: 1600 ASCII odd park 9 files 3/22/79 → 12 files 3/31/79 → 9 files 4/1/79

CDAW

DATA RECEIPT NOTIFICATION SENT? ☐

Linda Nolan
DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

See 77-102A-10B (ISEE-1) for Documentation

Date 2/24/81

NSSDC ID 77-102B-08A

CDAW DATA SET ENTRY

Date Rcvd: 15 Jly. CDB: 06

Data Sent By: Chris Gurgiolo (Parks)

Material Rcvd: 32 Tapes (Compressed to 3 by Waco Grap

(3 Tapes)

9 Trk-1600 Bpi-ASCII), Documentation -

Verification Plots - Time Eqns.

Satellite/NSDF Name: ISEE-2

Data Set Name: Particle Data on Tape

☐ New Data Set ☒ Additions ☐ Replacements

Comments: 3 Tapes were made to submit - Tape documentation is correct as regards format (except for contents of word 8

Time Coverage: 22 March, 31 March, 1 April.

32 Tapes To be Returned to: Chris Gurgiolo.

(Do not return the 3 we are providing)

Completed By: D. Sawyer

D-45694
3/22/79

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$$
$ASS IN MT2
$EXE TPDUMP BS


                                DUMP OF TAPE X-393

 INPUT TAPE  X-393   ON  MT2
 DATA INPUT    H9 FL 1 1 STOP

 FILE      1  RECORD      1  LENGTH    4900BYTES
 (    0)  20202020  2020322E  30302020  20202037  392E3030  20202020  2038312E  30302D31  30343435  332E3238
 (   40)  202D3435  3233332E  37302020  20393436  372E3238  20202020  2020202E  32352020  20202020  312E3030
 (   80)  37383930  3738382E  30302031  32333435  352E3937  20203231  3439342E  36312020  33313138  322E3435
 (  120)  20202020  2037382E  34352020  20203437  302E3731  20202020  2032342E  37372020  20203135  322E3737
 (  160)  20202020  3634342E  31332020  20203632  362E3435  20203231  3439342E  38362020  33343838  322E3036
 (  200)  20202020  2036362E  30362020  20203136  312E3033  20202020  2033332E  30332020  20203134  342E3532
 (  240)  20202020  3631312E  31302020  32313439  352E3131  20203331  3138322E  34352020  20202032  382E3930
 (  280)  20202020  3432312E  31362020  20202034  392E3535  20202020  3134342E  35322020  20203634  342E3133
 (  320)  20202031  3730322E  36352020  32313439  352E3336  20203331  3138322E  34352020  20203131  352E3631
 (  360)  20202020  3332322E  30362020  20202036  312E3934  20202020  3133322E  31332020  20203631  312E3130
 (  400)  20203231  3439352E  36312020  33323233  392E3438  20202020  2033372E  31362020  20203230  322E3332
 (  440)  20202020  2032302E  36352020  20203133  362E3236  20202020  3634342E  31332020  20202020  322E3531
 (  480)  20203231  3439352E  38362020  33313138  322E3435  20202020  2034352E  34322020  20203530  332E3734
 (  520)  20202020  2032382E  39302020  20203138  352E3831  20202020  3534352E  30332020  32313439  362E3131
 (  560)  20203332  3233392E  34382020  20202034  312E3239  20202020  3233352E  33352020  20202033  372E3136
 (  600)  20202020  3230322E  33322020  20203634  342E3133  20202020  2020332E  35312020  32313439  362E3336
 (  640)  20203238  3031312E  33352020  20313238  382E3236  20202020  3238392E  30332020  20202034  352E3432
 (  680)  20202020  3138352E  38312020  20203734  332E3233  20203231  3439362E  36312020  33323233  392E3438
 (  720)  20202020  2031362E  35322020  20203333  382E3538  20202020  2032302E  36352020  20203138  352E3831
 (  760)  20202020  3631312E  31302020  20203536  322E3230  20203231  3439362E  38362020  33333239  362E3532
 (  800)  20202020  2032382E  39302020  20203230  322E3332  20202020  2032302E  36352020  20203133  362E3236
 (  840)  20202020  3637372E  31362020  32313439  372E3131  20203332  3233392E  34382020  20202032  342E3737
 (  880)  20202020  3237322E  35322020  20202034  312E3239  20202020  3138352E  38312020  20203631  312E3130
 (  920)  20202031  3736362E  39302020  32313439  372E3336  20203332  3233392E  34382020  20202033  332E3033
 (  960)  20202020  3337312E  36312020  20202032  342E3737  20202020  3137372E  35352020  20203537  382E3036
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 ( 1080)  20203231  3439372E  38362020  33313138  322E3435  20202020  2032342E  37372020  20203335  352E3130
 ( 1120)  20202020  2033332E  30332020  20203131  392E3734  20202020  3532302E  32362020  32313439  382E3131
 ( 1160)  20203333  3239362E  35322020  20202032  382E3930  20202020  3139342E  30362020  20202033  372E3136
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 ( 1240)  20203331  3138322E  34352020  20202035  372E3831  20202020  3232372E  31302020  20202033  332E3033
 ( 1280)  20202020  3136312E  30332020  20203634  342E3133  20203231  3439382E  36312020  33303132  352E3432
 ( 1320)  20202020  2034392E  35352020  20203231  302E3538  20202020  2033372E  31362020  20203136  392E3239
 ( 1360)  20202020  3537382E  30362020  20203632  362E3435  20203231  3439382E  38362020  33323233  392E3438
 ( 1400)  20202020  2035332E  36382020  20203330  352E3535  20202020  2032302E  36352020  20203136  312E3033
 ( 1440)  20202020  3537382E  30362020  32313439  392E3131  20203332  3233392E  34382020  20202034  392E3535
 ( 1480)  20202020  3235312E  38372020  20202034  312E3239  20202020  3136392E  32392020  20203631  312E3130
 ( 1520)  20202031  3730322E  36352020  32313439  392E3336  20203330  3132352E  34322020  20202031  322E3339
 ( 1560)  20202020  3337312E  36312020  20202032  342E3737  20202020  3135322E  37372020  20203637  372E3136
 ( 1600)  20203231  3439392E  36312020  32383031  312E3335  20202031  3831362E  37372020  20203231  302E3538
 ( 1640)  20202020  2032342E  37372020  20203138  352E3831  20202020  3534352E  30332020  20202020  322E3031
 ( 1680)  20203231  3439392E  38362020  33323233  392E3438  20202020  2031362E  35322020  20203534  352E3033
 ( 1720)  20202020  2032342E  37372020  20203138  352E3831  20202020  3634342E  31332020  32313530  302E3131
 ( 1760)  20203331  3138322E  34352020  20202034  392E3535  20202020  3136392E  32392020  20202034  312E3239
 ( 1800)  20202020  3134342E  35322020  20203537  382E3036  20202020  2020322E  32352020  32313530  302E3336
 ( 1840)  20203334  3838322E  30362020  20202034  312E3239  20202020  3233352E  33352020  20202032  382E3930
 ( 1880)  20202020  3230322E  33322020  20203537  382E3036  20203231  3530302E  36312020  32393036  382E3339
 ( 1920)  20202031  3232322E  31392020  20203430  342E3635  20202020  2032342E  37372020  20203136  312E3033
 ( 1960)  20202020  3631312E  31302020  20203632  362E3435  20203231  3530302E  38362020  33323233  392E3438
 ( 2000)  20202020  2032302E  36352020  20203139  342E3036  20202020  2031322E  33392020  20203136  312E3033
 ( 2040)  20202020  3631312E  31302020  32313530  312E3131  20203332  3233392E  34382020  20202032  342E3737
 ( 2080)  20202020  3231302E  35382020  20202031  362E3532  20202020  3134342E  35322020  20203438  372E3233
```

$ASS IN MT2
$EXE TPDUMP BS

D-45695
3/31/79

DUMP OF TAPE X-407

INPUT TAPE X-407 ON MT2
DATA INPUT H9 FL 1 1 STOP

FILE 1 RECORD 797 LENGTH 4900BYTES

(0)	20202020	2020322E	30302020	20202037	392E3030	20202020	2039302E	30302031	32323338	322E3735	
(40)	20203233	3630392E	35382020	31333331	312E3533	20202020	2020202E	30362020	20202020	312E3030	
(80)	37383930	3738382E	30302031	32333435	352E3937	20203538	3730312E	37332020	33343532	332E3432	
(120)	20202020	3536362E	38362020	33323138	322E3836	20202031	3439392E	34332020	20202035	342E3836	
(160)	20202033	3538342E	30302020	20203331	362E3935	20203538	3730312E	38302020	32393834	322E3239	
(200)	20202034	3832372E	34332020	33343532	332E3432	20202031	3634352E	37312020	20202039	312E3433	
(240)	20202034	3032322E	38362020	35383730	312E3836	20203338	3631392E	34322020	20203531	322E3030	
(280)	20203333	3335332E	31342020	20313537	322E3537	20202020	2037332E	31342020	20333134	352E3134	
(320)	20202020	3739362E	34342020	35383730	312E3932	20203335	3639332E	37322020	20203437	352E3433	
(360)	20203332	3138322E	38362020	20313238	302E3030	20202020	2031382E	32392020	20333239	312E3433	
(400)	20203538	3730312E	39382020	33383631	392E3432	20202020	3536362E	38362020	33333335	332E3134	
(440)	20202031	3739322E	30302020	20202033	362E3537	20202033	3239312E	34332020	20202020	302E3030	
(480)	20203538	3730322E	30352020	34303936	302E3030	20202020	3433382E	38362020	33323138	322E3836	
(520)	20202031	3439392E	34332020	20202035	342E3836	20202033	3837362E	35372020	353E3730	322E3131	
(560)	20203430	3936302E	30302020	20203534	382E3537	20203332	3138322E	38362020	20313439	392E3433	
(600)	20202020	2031382E	32392020	20333733	302E3239	20202020	2031312E	30392020	35383730	322E3137	
(640)	20203430	3936302E	30302020	20203432	302E3537	20203333	3335332E	31342020	20313731	382E3836	
(680)	20202020	3130392E	37312020	20333837	362E3537	20203538	3730322E	32332020	34303936	302E3030	
(720)	20202020	3432302E	35372020	33333335	332E3134	20202031	3432362E	32392020	20202039	312E3433	
(760)	20202033	3733302E	32392020	20203334	392E3436	20203538	3730322E	33302020	33363836	342E3030	
(800)	20202020	3331302E	38362020	33333335	332E3134	20202031	3439392E	34332020	20202033	362E3537	
(840)	20202033	3538342E	30302020	35383730	322E3336	20203338	3631392E	34322020	20203439	332E3731	
(880)	20203333	3335332E	31342020	20313634	352E3731	20202020	3132382E	30302020	20333733	302E3239	
(920)	20202020	3736332E	39342020	35383730	322E3432	20203430	3936302E	30302020	20203334	372E3433	
(960)	20203333	3335332E	31342020	20313439	392E3433	20202020	2035342E	38362020	20333433	372E3731	
(1000)	20203538	3730322E	34382020	33383631	392E3432	20202020	3432302E	35372020	33333335	332E3134	
(1040)	20202031	3537322E	35372020	20202033	362E3537	20202033	3239312E	34332020	20202020	302E3030	
(1080)	20203538	3730322E	35352020	33383631	392E3432	20202020	3331302E	38362020	33333335	332E3134	
(1120)	20202031	3432362E	32392020	20202039	312E3433	20202033	3433372E	37312020	35383730	322E3631	
(1160)	20203336	3836342E	30302020	20203630	332E3433	20203332	3138322E	38362020	20313634	352E3731	
(1200)	20202020	2033362E	35372020	20333837	362E3537	20202020	2020312E	30302020	35383730	322E3637	
(1240)	20203430	3936302E	30302020	20203334	372E3433	20203332	3138322E	38362020	20313537	322E3537	
(1280)	20202020	3132382E	30302020	20333433	372E3731	20203538	3730322E	37332020	33383631	392E3432	
(1320)	20202020	3430322E	32392020	33333335	332E3134	20202031	3739322E	30302020	20202033	362E3537	
(1360)	20202033	3239312E	34332020	20203333	332E3231	20203538	3730322E	38302020	33363836	342E3030	
(1400)	20202020	3435372E	31342020	33333335	332E3134	20202031	3439392E	34332020	20202039	312E3433	
(1440)	20202033	3733302E	32392020	353E3730	322E3836	20203231	3635302E	32392020	20383034	352E3731	
(1480)	20203332	3138322E	38362020	20313537	322E3537	20202020	3132382E	30302020	20323939	382E3836	
(1520)	20202020	3736332E	39342020	35383730	322E3932	20203331	3031322E	35372020	20313131	352E3433	
(1560)	20203333	3335332E	31342020	20313432	362E3239	20202020	3134362E	32392020	20333433	372E3731	
(1600)	20203538	3730322E	39382020	34303936	302E3030	20202020	3731332E	31342020	33333335	332E3134	
(1640)	20202031	3739322E	30302020	20202033	362E3537	20202033	3433372E	37312020	20202020	322E3033	
(1680)	20203538	3730332E	30352020	33383631	392E3432	20202020	3536362E	38362020	33333335	332E3134	
(1720)	20202031	3439392E	34332020	20202033	362E3537	20202033	3134352E	31342020	35383730	332E3131	
(1760)	20203338	3631392E	34322020	20203430	322E3239	20203333	3335332E	31342020	20313432	362E3239	
(1800)	20202020	2035342E	38362020	20323835	322E3537	20202020	2020332E	30322020	35383730	332E3137	
(1840)	20203430	3936302E	30302020	20203531	322E3030	20203332	3138322E	38362020	20313731	382E3836	
(1880)	20202020	2039312E	34332020	20333134	352E3134	20203538	3730332E	32332020	34303936	302E3030	
(1920)	20202020	3534382E	35372020	33323138	322E3836	20202031	3634352E	37312020	20202035	342E3836	
(1960)	20202033	3239312E	34332020	20203331	362E3935	20203538	3730332E	33302020	34303936	302E3030	
(2000)	20202020	3235362E	30302020	33313031	322E3537	20202031	3432362E	32392020	20202033	362E3537	
(2040)	20202033	3239312E	34332020	353E3730	332E3336	20203430	3936302E	30302020	20203634	302E3030	
(2080)	20203332	3138322E	38362020	20313238	302E3030	20202020	2033362E	35372020	20333733	302E3239	
(2120)	20202020	3736332E	39342020	35383730	332E3432	20203430	3936302E	30302020	20203533	302E3239	
(2160)	20203332	3138322E	38362020	20313537	322E3537	20202020	2039312E	34332020	20333433	372E3731	
(2200)	20203538	3730332E	34382020	34333330	302E3538	20202020	3734392E	37312020	33333335	332E3134	
(2240)	20202031	3537322E	35372020	20202039	312E3433	20202033	3538342E	30302020	20202020	322E3033	

D-45696
4/1/79

```
$$
$ASS IN MT1
$EXE TPDUMP BS


                                DUMP OF TAPE X-409

  INPUT TAPE  X-409   ON  MT1
  DATA INPUT    H9 FL 1 1 STOP

  FILE      1 RECORD       1 LENGTH    4900BYTES 79                    91
   (    0) 20202020 2020322E 30302020 20202037 392E3030 20202020 2039312E 30302020 38363137 372E3530
   (   40) 202D3331 3531322E 37362020 20313630 352E3532 20202020 2020202E 30362020 20202020 312E3030
   (   80) 37383930 3738382E 30302031 32333435 352E3937 20202020 3530322E 34322020 34303936 302E3030
   (  120) 20202020 3538352E 31342020 34353634 312E3134 20202031 3634352E 37312020 20202039 312E3433
   (  160) 20202037 3136382E 30302020 20203431 342E3438 20202020 3530322E 34382020 34333330 302E3538
   (  200) 20202020 3531322E 30302020 34353634 312E3134 20202031 3439392E 34332020 20202037 332E3134
   (  240) 20202037 3136382E 30302020 20203530 322E3534 20203430 3936302E 30302020 20203536 362E3836
   (  280) 20203435 3634312E 31342020 20313439 392E3433 20202020 3130392E 37312020 20373136 382E3030
   (  320) 20202020 3739362E 34342020 20203530 322E3631 20203435 3634312E 31342020 20203439 332E3731
   (  360) 20203435 3634312E 31342020 20313731 382E3836 20202020 2037332E 31342020 20363837 352E3433
   (  400) 20202020 3530322E 36372020 34303936 302E3030 20202020 3637362E 35372020 34353634 312E3134
   (  440) 20202031 3836352E 31342020 20203132 382E3030 20202037 3136382E 30302020 20202020 302E3030
   (  480) 20202020 3530322E 37332020 34333330 302E3538 20202020 3637362E 35372020 34373938 312E3732
   (  520) 20202031 3836352E 31342020 20202039 312E3433 20202037 3136382E 30302020 20203530 322E3739
   (  560) 20203430 3936302E 30302020 20203536 362E3836 20203437 3938312E 37322020 20313634 352E3731
   (  600) 20202020 2037332E 31342020 20373136 382E3030 20202020 2020352E 30342020 20203530 322E3836
   (  640) 20203430 3936302E 30302020 20203437 352E3433 20203435 3634312E 31342020 20313335 332E3134
   (  680) 20202020 2035342E 38362020 20373136 382E3030 20202020 3530322E 39322020 34303936 302E3030
   (  720) 20202020 3437352E 34332020 34353634 312E3134 20202031 3836352E 31342020 20202037 332E3134
   (  760) 20202037 3735332E 31342020 20203431 342E3438 20202020 3530322E 39382020 32373530 312E3731
   (  800) 20202037 3735332E 31342020 34353634 312E3134 20202031 3739322E 30302020 20202037 332E3134
   (  840) 20202036 3837352E 34332020 20203530 332E3034 20203430 3936302E 30302020 20203839 362E3030
   (  880) 20203437 3938312E 37322020 20313634 352E3731 20202020 3132382E 30302020 20363837 352E3433
   (  920) 20202020 3932362E 34382020 20203530 332E3131 20203430 3936302E 30302020 20203634 302E3030
   (  960) 20203435 3634312E 31342020 20313634 352E3731 20202020 2039312E 34332020 20363837 352E3433
   ( 1000) 20202020 3530332E 31372020 34303936 302E3030 20202020 3538352E 31342020 34353634 312E3134
   ( 1040) 20202031 3537322E 35372020 20202033 362E3537 20202037 3436302E 35372020 20202020 302E3030
   ( 1080) 20202020 3530332E 32332020 34333330 302E3538 20202020 3536362E 38362020 34353634 312E3134
   ( 1120) 20202031 3634352E 37312020 20203134 362E3239 20202037 3436302E 35372020 20203530 332E3239
   ( 1160) 20203433 3330302E 35382020 20203439 332E3731 20203437 3938312E 37322020 20313739 322E3030
   ( 1200) 20202020 2037332E 31342020 20363538 322E3836 20202020 202D312E 30302020 20203530 332E3336
   ( 1240) 20203430 3936302E 30302020 20203439 332E3731 20203435 3634312E 31342020 20313537 322E3537
   ( 1280) 20202020 2035342E 38362020 20363837 352E3433 20202020 3530332E 34322020 34303936 302E3030
   ( 1320) 20202020 3430322E 32392020 34373938 312E3732 20202031 3739322E 30302020 20203130 392E3731
   ( 1360) 20202036 3538322E 38362020 20203338 312E3937 20202020 3530332E 34382020 34333330 302E3538
   ( 1400) 20202020 3536362E 38362020 34353634 312E3134 20202031 3432362E 32392020 20202033 362E3537
   ( 1440) 20202037 3136382E 30302020 20203530 332E3534 20203430 3936302E 30302020 20203433 382E3836
   ( 1480) 20203435 3634312E 31342020 20313439 392E3433 20202020 3130392E 37312020 20373436 302E3537
   ( 1520) 20202020 3932362E 34382020 20203530 332E3631 20203433 3330302E 35382020 20203531 322E3030
   ( 1560) 20203437 3938312E 37322020 20313634 352E3731 20202020 2039312E 34332020 20373436 302E3537
   ( 1600) 20202020 3530332E 36372020 34303936 302E3030 20202020 3630332E 34332020 34373938 312E3732
   ( 1640) 20202031 3335332E 31342020 20203130 392E3731 20202036 3837352E 34332020 20202020 322E3033
   ( 1680) 20202020 3530332E 37332020 34303936 302E3030 20202020 3533302E 32392020 34373938 312E3732
   ( 1720) 20202031 3739322E 30302020 20203130 392E3731 20202037 3735332E 31342020 20203530 332E3739
   ( 1760) 20203433 3330302E 35382020 20203439 332E3731 20203437 3938312E 37322020 20313636 352E3134
   ( 1800) 20202020 3130392E 37312020 20363538 322E3836 20202020 2020352E 30342020 20203530 332E3836
   ( 1840) 20203233 3939302E 38362020 20323730 362E3239 20203435 3634312E 31342020 20313439 392E3433
   ( 1880) 20202020 2039312E 34332020 20373136 382E3030 20202020 3530332E 39322020 34353634 312E3134
   ( 1920) 20202020 3538352E 31342020 34373938 312E3732 20202031 3739322E 30302020 20202035 342E3836
   ( 1960) 20202036 3538322E 38362020 20203434 362E3938 20202020 3530332E 39382020 34333330 302E3538
   ( 2000) 20202020 3637362E 35372020 34373938 312E3732 20202031 3731382E 38362020 20203130 392E3731
   ( 2040) 20202036 3538322E 38362020 20203530 342E3034 20203433 3330302E 35382020 20203634 302E3030
   ( 2080) 20203437 3938312E 37322020 20313739 322E3030 20202020 2035342E 38362020 20373436 302E3537
```

ISEE-2

ANGULAR DISTRIBUTION & ENERGY SPECTRA DATA

77-102B-02A SPMS-00186

This data set has been restored. There were originally two 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tapes were created on a 360 computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR03733	DS03733	D-33818	1- 2	11/04/77 - 11/08/77
		D-34155	3-13	11/07/77 - 12/10/77

REQ. AGENT	RAND NO.	ACQ.AGENT
VJP	RD2464	MJT

ISEE 2

ANGULAR DISTRIBUTION & ENERGY SPECTRA DATA

77-102B-02A

This data set catalog consists of 2 data tapes. The tapes are 1600 BPI, 9 track. binary and are multifiled. The tapes were created on an IBM 360 computer.

Time span is as follows:

D#	C#	FILES	TIME SPAN
D-33818	C-20595	2	11/04/77 - 11/08/77
D-34155	C-20663	11	11/07/77 - 12/10/77

CONSIGLIO NAZIONALE DELLE RICERCHE
LABORATORIO DI RICERCA E TECNOLOGIA
PER LO STUDIO DEL PLASMA NELLO SPAZIO
VIA G. GALILEI - CASELLA POSTALE 27 - 00044 FRASCATI

FRASCATI, May 25, 1979

TEL. (06) 9423801-2-3-4-5
TELEX: SPAZIO 68489

SD/016/79 CB/LB

CONC3

77-1028-02

I202

Dr. M. J. Teague
IMS/satellite Situation Center
301/344/7133
NASA GSFC
Greenbelt, Maryland USA

Dear Michael J. Teague

I enclose herewith the required documents concerning the tape data set.

1) CDAW Tape documentation form
1 a) A tape dump includes the first and last five records for each of the two files.

1b) A print relative to the first and last five records for each file.

2) Basic solar wind moment plots for two selected test periods.

3) Note that the data are time ordered and also that short and periodic gaps in data coincide with the periods (not considered here) when the plasma experiment was operating in the High Time Resolution (HTR) mode (see Bonifazi et al. IEEE Trans. Geoscience Electronics . GE - 16, 243 (1978) for details).

4) Bad data (due to errors in the Nasa tape) are flagged with a value -2 .

Yours sincerely

Carlo Bonifazi

Bonifazi Carlo

Channel Number	Energy (KeV/Z)	Velocity ($Km\ s^{-1}$)
1	55.3	103.0
2	56.7	104.2
3	85.0	127.7
4	87.8	129.7
5	153.2	171.3
6	157.9	174.0
7	236.3	212.8
8	243.7	216.1
9	350.3	259.1
10	366.5	265.0
11	398.3	276.2
12	416.5	282.5
13	442.8	291.3
14	461.7	297.4
15	492.1	307.0
16	515.7	314.3
17	540.0	321.6
18	564.3	328.8
19	613.6	342.9
20	641.3	350.5
21	681.8	361.4
22	710.8	369.0
23	757.3	380.9
24	793.8	390.0
25	843.1	401.9
26	886.9	412.2
27	934.2	423.1
28	980.8	433.5
29	1042.9	447.0
30	1094.2	457.9
31	1157.6	470.9
32	1215.7	482.6
33	1298.0	498.7
34	1366.2	511.6
35	1438.4	525.0
36	1510.0	537.9
37	1606.5	554.8
38	1684.8	568.1
39	1782.7	584.4
40	1871.8	598.8
41	1946.7	610.7
42	2046.6	626.2
43	2148.5	641.6
44	2258.5	657.8
45	2380.7	675.4
46	2503.6	692.6
47	2628.4	709.6
48	2766.1	728.0
49	2997.7	757.8
50	3151.6	777.1
51	3308.8	796.2
52	3478.3	816.3
53	3665.9	838.1
54	3855.6	859.5
60	7094.3	1165.8
61	8276.8	1259.3
62	8467.2	1273.7
63	10687.9	1431.0
64	10925.5	1446.8
212	13	0

IMS/SATELLITE SITUATION CENTER

CDAW TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: ISEE 2 Solar wind experiment		
2. Scientific Contact: C. Bonifazi	3. ~~xxxxxxxxxx~~o. or Telex No.: 680489 cnrfrai	
4. Address: L.P.S. C.P. 27 00044 Frascati		
5. City: Frascati (Rome)	6. State	7. ZIP Code or Country: Italy
8. Programmer Contact: Carlo Bonifazi		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 1	2. Tape Density: ☐ 800 bpi ☒ 1600 bpi	
3. No. of Files (per tape): 2		
4. No. of End of File Marks: 3	5. No. of Tracks: ☐ 7 ☒ 9	
6. Recording Parity: ODD	7. Make and Model of Computer Used to Generate Tape: IBM 370/125 Model 2	

8. Are tapes written in binary, coded or both? (e.g. BCD) Binary

9. What floating point representation is used? (e.g. CDC 64 bit) IBM 32 bits

10. What integer representation is used?

11. No. of Physical Records (per file) 686 file 1
133 file 2

12. Are original tapes to be returned? ☒ Yes ☐ No

13. Start and Stop Time of Each File (If more space is needed, please attach.)

UT 308 10:1: 25 ; 309 12:31:16 file 1

UT 312 19:0:23 ; 312 23:57:12 file 2

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY IMS/SSC ONLY

CDAW No.	
Date Received	Tape No.
Programmer ID	CON No.
Data Base	Date Loaded

Section II

Logical and Phisical Record Format

1) Each logical record is coincident with a physical record

2) The record lenght is 78 words (32 bits each word) for a total 312 bits.

3) Record format description
let V (64) be the equivalent record vector

Symbolic name			Units	Parameter description
Year	=	V(1)		
Day	=	V(2)		
Hour	=	V(3)		Record indentification time
Min	=	V(4)		
Sec	=	V(5)		
LHBR	=	V(6)		LHBR = 1 low Bit Rate LHBR = 2 high Bit Rate
NP	=	V(7)	(Part cm^{-3})	Solar wind proton number density
VSW	=	V(8)	(Km S^{-1})	Solar wind bulk velocity
PHI	=	V(9)	(^{o})	Solar wind longitude, measured from the sun direction
WSW	=	V(10)	(Km S^{-1})	Most probable thermal speed of solar wind protons.
TSW	=	V(11)	(K)	Solar wind proton temperature
FV1	=	V(12)		Solar wind measured
FV2	=	V(13)	(S^{3} cm^{-6})	distribution function f(v) for the
"		"	"	64 energy per unit charge channels
"		"	"	(see attch. A for the list of relative
"		"	"	velocities)
FV63	=	V(74)		
FV64	=	V(75)	(S^{3} cm^{-6})	
XSE	=	V(76)	RE	Solar ecliptic satellite coordinates
YSE	=	V(77)	RE	
ZSE	=	V(78)	RE	

Note that all these quantities shall be used in the workshop.

77-102B-02A
ISEE-2
D-34155

DUMP OF TAPE X-406

INPUT TAPE X-406 ON MS2
DATA INPUT H9 NF 11 FL 1 1 1 SR 11 1 1 SR 11 LAST 1

FILE 1 RECORD 314 LENGTH 312BYTES

(0)	424D0000	43137000	42160000	00000000	41800000	412C0000	41AC3126	43126726	C14D7CED	4219D4FD
(40)	449DB9CA	30287BC5	30278502	301A58AB	30198925	2FE9FBCD	2FE2FBF1	2F97C14D	2F93218A	311C9FD8
(80)	314D4430	321AC9A9	322C47BE	323EA04E	3241D07B	322B5143	321B9D46	31688EFF	3129661E	3033F9CF
(120)	3026DE89	2F6469B2	2F58A9BF	2F630FAF	2FC37D87	3067C4C7	30AA9A18	306F6302	3022C43D	2F7E7BCC
(160)	2F557983	2F61D33A	2F505B44	2F1B9EDC	2F1A3E05	2F18ECB2	2F17BE59	2F165123	2F15479E	2F141C88
(200)	2F132774	2F126AB9	2F118496	2F10AFD7	2EFDFBD9	2EFCF310	2EE52058	2EDA3D9E	2ECF606F	2EBF5C23
(240)	2EB603E8	2EAD5D19	2EA4EB5C	2E9C7A41	2E94C797	2E8DB583	2E86A88F	2E6ABC54	2E685669	2E52A6EF
(280)	2E50DBEB	2E454E51	2E43BF71	2E35ABCD	2E348103	41D578D4	C1631687	416B3B64		

FILE 1 RECORD 50 LENGTH 312BYTES

(0)	424D0000	43137000	42170000	42350000	00000000	412C0000	4216FE76	428A7999	4226753F	42AFFCAC
(40)	461C98A0	32A9FD72	331406EE	32A74334	32DB6589	32612682	324E128D	321E59D9	3213040F	3195CE39
(80)	31A9311A	3177B4E5	315CB3A4	315B66EE	316263CB	314ABF06	314D830B	3142EFE8	3137B420	313A3E4E
(120)	3128E8B9	3129AF59	3122F30B	3120A669	3121E8C9	311B20E8	311C7499	311AFC04	3114D997	31129402
(160)	31102394	30D4FAA5	3096B364	3073B413	305A846E	3C6C5325	30406B7B	302CB313	302ECBB8	3019CF82
(200)	3015C523	3010CBDA	30162FAA	2FABBF10	2FA6BB84	2F66B5A7	2F44F15F	2F389F32	2F202CF1	2EE4B660
(240)	2EB603E8	2EAD5D19	2EA4EB5C	2E9C7A41	2E94C797	2E8DB583	2E86A88F	2E6ABC54	2E751459	2E52A6EF
(280)	2E50DBEB	2E454E51	2E43BF71	2E35ABCD	2E348103	41C4F5C2	C14EB439	415FBE76		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	50	51	312	0	0	0	0	0	0

FILE 11 RECORD 1 LENGTH 312BYTES

(0)	424D0000	43156000	42150000	00000000	41D00000	412C0000	41DFDF3B	43128BFB	C1849FBE	42146DD2
(40)	4462A570	30287BC5	30278502	301A58AB	30198925	2FE9FBCD	2FE2FBF1	2F97C14D	2F93218A	30DB4496
(80)	3158C695	322AE369	32356C44	32547FFA	325194F4	3231DC04	3219F697	31A5D8A7	316C3E1F	3133D886
(120)	31308917	30853FD8	3C2DCEF4	2FFF515A	2FB76585	3C7E19E4	3050A773	3014D50A	2F631707	2F4E4118
(160)	2F677B40	2F74F002	2F3B0ACF	2F251E22	2F1A3E05	2F18ECB2	2F17BE59	2F165123	2F15479E	2F141C88
(200)	2F132774	2F126AB9	2F118496	2F10AFD7	2EFDFBD9	2EFCF310	2EE52058	2EDA3D9E	2ECF606F	2EBF5C23
(240)	2EB603E8	2EAD5D19	2EA4EB5C	2E9C7A41	2E94C797	2E8DB583	2E86A88F	2E6ABC54	2E685669	2E52A6EF
(280)	2E50DBEB	2E454E51	2E43BF71	2E35ABCD	2E348103	418E1EB8	C1E01893	41727608		

FILE 11 RECORD 34 LENGTH 312BYTES

(0)	424D0000	43156000	42160000	41E00000	42180000	412C0000	421DFB64	42ABAB43	421F5EF9	42862418
(40)	46109D25	332BA7FA	3215810C	32EC7FAD	32CC280A	32A66CE6	32473D01	322B6071	32468756	321C136B
(80)	32277C2E	3154E5C7	31CA7A46	31C7E925	31EA2955	3179E9CA	31732DD1	3169A55B	31351E24	311FEB31
(120)	311143E7	31139E6E	3130C01C	3110A568	30BA5A29	31159CE3	30BC84E9	3078367B	304C0E83	3120 1616
(160)	306F8FF6	30430F5E	304D57F0	3043470E	3028C82B	3C1CB626	301F89DB	305B0BEB	30270C81	2FBD498D
(200)	2FC03DB5	2FBD092F	2F96BE5B	2F73C3A6	2F91BFF9	2F9AE79F	2F72E0E7	2F30B764	2F48C3C6	2F37EED8
(240)	2F29C4CE	2F26F15D	2F1FB8D5	2F1A272B	2F1C3D95	2F11EC06	2F1243B5	2EE28F33	2EE21090	2E82C32D
(280)	2E81F2FE	2E5D1A08	2E4C764F	2E3C7E83	2E3E692F	418AB439	C1D23958	416C9374		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
11	34	35	312	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 11 # OF PERMANENT READ ERRORS 0

START TIME 08/21/79 16:52:29 STOP TIME 08/21/79 16:52:57

$$
$ASS CI CR

Q-53818
ISEE-2
11/04/77-11/05/77

DUMP OF TAPE X21D

INPUT TAPE X21D ON MS2
DATA INPUT H9 NF 2 FL 2 1 1

FILE 1 RECORD 1 LENGTH 312BYTES

(0)	424D0000	43134000	41A00000	41100000	42190000	41100000	41838106	4314EC6A	C129B645	42173DF3
(40)	447FAEE3	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(80)	00000000	00000000	312849A5	31432566	3216A96D	3313B963	333D0230	3411BB14	34117493	338BBF73
(120)	33733294	334A47C7	333368A2	3317D76E	32FA1E8C	329C1D60	32582117	32269BE9	321ADBC3	321BBZA1
(160)	322ACE3F	321BB2A1	31D6DE1D	31509349	31432566	312849A5	311ADBC3	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	41D8C083	C1E18106	418978D4		

FILE 1 RECORD 686 LENGTH 312BYTES

(0)	424D0000	43135000	41C00000	421F0000	42100000	41100000	41634395	4312B8DD	C142BC6A	4213B47A
(40)	445BC734	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(80)	315E012C	336DAE10	32582117	341A175C	3313E1AD	32913417	33E947C3	3381922F	33372F8A	324757BD
(120)	32F870CF	32864ADD	32806ABC	325D2A4D	323EF310	31864ADD	315E012C	328721AF	3322E26F	32C7C27D
(160)	315E012C	31509349	315E012C	3135B787	316B6F0E	311ADBC3	311ADBC3	30D6DE1D	30D6DE1D	00000000
(200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	41D9C6A7	C15B3F7C	416C76C8		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	686	687	312	0	0	0	0	0	0

FILE 2 RECORD 1 LENGTH 312BYTES

(0)	424D0000	43138000	42130000	00000000	42170000	411C0000	4213DBE7	43113958	C14F70A3	421865A1
(40)	448CB354	00000000	00000000	0E000000	00000000	0CCC0000	00000000	331D1D38	C0000000	33C719D1
(80)	341325AA	3421DC90	34213F9C	34186212	33E8C178	3377EB35	332D95FF	32A7DD85	32368E63	3193B8B3
(120)	3178DCEE	3178DCEE	32127716	3259349	3256735D	32482E9C	31C9703A	31432566	312849A5	315E012C
(160)	311ADBC3	30D6DE1D	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	C1200000	4174D4FD	C1D15C28	4161FBE7		

FILE 2 RECORD 133 LENGTH 312BYTES

(0)	424D0000	43138000	42170000	42390000	41C00000	411C0000	4210DD2F	4311268B	C150B020	4218A45A
(40)	448F875D	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	33CE86DB
(80)	34111EF6	341C1EE7	34219E74	34122907	339E368B	332963A8	331D605D	323912FF	31F1B9DF	3135B787
(120)	312849A5	31BC0258	321424D2	324 A CD	3249DC59	32269BE9	32185729	316B6FCE	312849A5	312849A5
(160)	00000000	00000000	00000000	0000 000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	C1200000	41A3B22D	C1E96C8B	417A28F5		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	133	134	312	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 2 # OF PERMANENT READ ERRORS 0

START TIME 06/14/79 13:47:17 STOP TIME 06/14/79 13:47:40

$$
$ASS IN MS3 OUT MS2

ISEE 2

60-S AVGD. MAGNETOMETER DATA, TAPE

77-102B-04A SPMS-00116

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 360 COMPUTER AND WAS RESTORED ON THE MRS SYSTEM. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005281	DS005281	D032664	3	12/01/77 - 12/11/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD1106	MJT

ISEE 2

MAGNETOMETER DATA

77-102B-04A

This data set catalog consists of 1 data tape. The tape is 1600 BPI, binary, 9 track and contains 3 files of data. The tape was created on an IBM 360/91 computer.

Time span is as follows:

D#	C#	FILES	TIME SPAN
D-32664	C-20220	3	12/01/77 - 12/12/77

D-34022
11/07/77 - 11/01/78

DUMP OF TAPE X-396

INPUT TAPE X-396 ON MS2
DATA INPUT H9 NF 16 FL 1 1 1 SR 16 1 1 SR 16 LAST 1

FILE 1 RECORD 1 LENGTH 2400BYTES

(0)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF0	F0F04040	4C4C40F0	4BF6F1F4	40404040	40F44BF1	F2F24040
(40)	4040 40F1	4BF8F8F0	40404040	40F44BF5	F7F24040	4C404040	40404040	40404040	40404040	40404040
(80)	40F7F7F3	F1F140F2	F2F4F440	F3F24BF0	F0F04040	4C4C40F0	4BF6F3F1	40404040	40F44BF1	F3F64040
(120)	4040 40F1	4BF4F7F5	40404040	40F44BF4	F3F74040	4C4C4040	40404040	40404040	40404040	4C404040
(160)	40F7F7F3	F1F140F2	F2F4F440	F3F64BF0	F0F04040	4C4C40F0	4BF6F5F0	40404040	40F44BF1	F4F04040
(200)	404040F1	4BF4F5F5	40404040	40F44BF4	F3F64040	4C4C4040	40404040	40404040	40404040	40404040
(240)	40F7F7F3	F1F140F2	F2F4F440	F4F04BF0	F0F04040	4C4C40F0	4BF6F5F2	40404040	40F44BF1	F5F04040
(280)	4040 40F1	4BF4F4F1	40404040	40F44BF4	F4F14040	4C4C4040	40404040	40404040	40404040	40404040
(320)	40F7F7F3	F1F140F2	F2F4F440	F4F44BF0	F0F04040	4C4C40F0	4BF6F6F1	40404040	40F44BF1	F4F84040
(360)	404040F1	4BF4F4F3	40404040	40F44BF4	F4F14040	4C4C4040	40404040	40404040	40404040	40404040
(400)	40F7F7F3	F1F140F2	F2F4F440	F4F84BF0	F0F04040	4C4C40F0	4BF6F4F9	40404040	40F44BF1	F5F14040
(440)	404040F1	4BF4F5F3	40404040	40F44BF4	F4F64040	4C4C4040	40404040	40404040	40404040	40404040
(480)	40F7F7F3	F1F140F2	F2F4F440	F5F24BF0	F0F04040	4C4C40F0	4BF6F0F8	40404040	40F44BF1	F4F74040
(520)	404040F1	4BF5F0F2	40404040	40F44BF4	F5F24040	4C4C4040	40404040	40404040	40404040	4C404040
(560)	40F7F7F3	F1F140F2	F2F4F440	F5F64BF0	F0F04040	4C4C40F0	4BF5F8F2	40404040	40F44BF1	F4F74040
(600)	4040 40F1	4BF5F2F0	40404040	40F44BF4	F5F54040	4C4C4040	40404040	40404040	40404040	40404040
(640)	40F7F7F3	F1F140F2	F2F4F540	40F04BF0	40404040	4C4C40F0	4BF5F5F6	40404040	40F44BF1	F5F44040
(680)	404040F1	4BF5F3F1	40404040	40F44BF4	F6F24040	4C4C4040	40404040	40404040	40404040	40404040
(720)	40F7F7F3	F1F140F2	F2F4F540	40F44BF0	F0F04040	4C4C40F0	4BF5F4F4	40404040	40F44BF1	F6F74040
(760)	404040F1	4BF5F2F7	40404040	40F44BF4	F7F14040	4C4C4040	40404040	40404040	40404040	40404040
(800)	40F7F7F3	F1F140F2	F2F4F540	40F84BF0	F0F04040	4C4C40F0	4BF5F4F3	40404040	40F44BF1	F8F14040
(840)	4040 40F1	4BF5F2F7	4040 4040	40F44BF4	F8F44040	4C4C4040	40404040	40404040	40404040	40404040
(880)	40F7F7F3	F1F140F2	F2F4F540	F1F24BF0	F0F04040	4C4040F0	4BF5F3F7	40404040	40F44BF1	F8F64040
(920)	404040F1	4BF5F2F7	40404040	40F44BF4	F8F84040	4C4C4040	40404040	40404040	40404040	40404040
(960)	40F7F7F3	F1F140F2	F2F4F540	F1F64BF0	F0F04040	4C4C40F0	4BF5F4F5	40404040	40F44BF1	F8F84040
(1000)	4040 40F1	4BF5F 3	4040 4040	40F44BF4	F8F24040	4C4C4040	40404040	40404040	40404040	4C404040
(1040)	40F7F7F3	F1F140F2	F2F4F540	F2F04BF0	F0F04040	4C4C40F0	4BF5F2F6	40404040	40F44BF2	F0F84040
(1080)	4040 40F1	4BF4F9F6	4040 4040	40F44BF4	F9F74040	4C4C4040	40404040	40404040	40404040	4C404040
(1120)	40F7F7F3	F1F140F2	F2F4F540	F2F44BF0	F0F04040	4C4C40F0	4BF5F2F0	40404040	40F44BF2	F4F54040
(1160)	404040F1	4BF4F8F8	40404040	40F44BF5	F2F84040	4C4C4040	40404040	40404040	40404040	40404040
(1200)	40F7F7F3	F1F140F2	F2F4F540	F2F84BF0	F0F04040	4C4C40F0	4BF4F1F7	40404040	40F44BF2	F1F94040
(1240)	4040 40F1	4BF5F2F4	4040 4040	40F44BF5	F0F54040	4C4C4040	40404040	40404040	40404040	40404040
(1280)	40F7F7F3	F1F140F2	F2F4F540	F3F24BF0	F0F04040	4C4C40F0	4BF3F4F8	40404040	40F44BF1	F5F44040
(1320)	404040F1	4BF5F3F5	40404040	40F44BF4	F4F24040	4C4C4040	40404040	40404040	40404040	4C404040
(1360)	40F7F7F3	F1F140F2	F2F4F540	F3F64BF0	F0F04040	4C4C40F0	4BF3F0F9	40404040	40F44BF0	F6F04040
(1400)	404040F1	4BF5F3F7	40404040	40F44BF3	F5F34040	4C4C4040	40404040	40404040	40404040	40404040
(1440)	40F7F7F3	F1F140F2	F2F4F540	F4F04BF0	F0F04040	4C4C40F0	4BF3F2F9	40404040	40F44BF0	F4F24040
(1480)	404040F1	4BF5F2F4	40404040	40F44BF3	F3F24040	4C4C4040	40404040	40404040	40404040	4C404040
(1520)	40F7F7F3	F1F14 F2	F2F4F540	F4F44BF0	F0F04040	4C4C40F0	4BF3F1F4	40404040	40F44BF0	F3F74040
(1560)	404040F1	4BF5F2F9	40404040	40F44BF3	F2F94040	4C4C4040	40404040	40404040	40404040	40404040
(1600)	40F7F7F3	F1F140F2	F2F4F540	F4F84BF0	F0F04040	4C4C40F0	4BF2F8F2	40404040	40F44BF0	F5F44040
(1640)	404040F1	4BF5F3F0	40404040	40F44BF3	F4F24040	4C4C4040	40404040	40404040	40404040	40404040
(1680)	40F7F7F3	F1F140F2	F2F4F540	F5F24BF0	F0F04040	4C4C40F0	4BF3F1F4	40404040	40F44BF0	F9F44040
(1720)	404040F1	4BF5F2F4	40404040	40F44BF3	F8F04040	4C4C4040	40404040	40404040	40404040	4C404040
(1760)	40F7F7F3	F1F14 F2	F2F4F540	F5F64BF0	F0F04040	4C4C40F0	4BF3F6F2	40404040	40F44BF1	F1F44040
(1800)	4040 40F1	4BF5F6F3	40404040	40F44BF4	F1F64040	4C4C4040	40404040	40404040	40404040	4C404040
(1840)	40F7F7F3	F1F140F2	F2F4F640	40F04BF0	40404040	4C4C40F0	4BF3F5F7	40404040	40F44BF1	F4F84040
(1880)	404040F1	4BF6F5F4	40404040	40F44BF4	F8F04040	4C4C4040	40404040	40404040	40404040	4C404040
(1920)	40F7F7F3	F1F140F2	F2F4F640	40F44BF0	F0F04040	4C4C40F0	4BF2F9F4	40404040	40F44BF1	F9F94040
(1960)	4040 40F1	4BF7F8F2	40404040	40F44BF5	F7F14040	4C4C4040	40404040	40404040	40404040	4C404040
(2000)	40F7F7F3	F1F140F2	F2F4F640	40F84BF0	F0F04040	4C4C40F0	4BF2F2F0	40404040	40F44BF2	F7F74040
(2040)	4040 40F1	4BF8F9F2	4040 4040	40F44BF6	F8F24040	4C4C4040	40404040	40404040	4C404040	4C404040
(2080)	40F7F7F3	F1F140F2	F2F4F640	F1F24BF0	F0F04040	4C4C40F0	4BF2F1F8	40404040	40F44BF3	F4F64040
(2120)	404040F1	4BF9F2F3	40404040	40F44BF7	F5F74040	4C4C4040	40404040	40404040	40404040	40404040
(2160)	40F7F7F3	F1F140F2	F2F4F640	F1F64BF0	F0F04040	4C4C40F0	4BF2F1F5	40404040	40F44BF3	F4F04040
(2200)	4040 40F1	4BF9F5F6	4040 4040	40F44BF7	F6F64040	4C4C4040	40404040	40404040	4C404040	4C404040
(2240)	40F7F7F3	F1F140F2	F2F4F640	F2F04BF0	F0F04040	4C4C40F0	4BF1F8F8	40404040	40F44BF3	F1F04040

(440)	40404CF3	4BF5F4F8	40404040	40F44BF0	F3F64040	4C4C4040	40404040	40404040	40404040	4C4C4040
(480)	4CF7F840	40F140F1	F7F4F540	F2F44BF0	F0F04040	4C4C4CF0	4BF1F4F6	40404040	40F14BF8	F0F54040
(520)	40404CF3	4BF4F0F7	40404040	40F34BF8	F5F84040	4C4C4040	40404040	40404040	40404040	40404040
(560)	40F7F840	40F140F1	F7F4F540	F2F84BF0	F0F04040	4C4C40F0	4BF1F1F5	40404040	40F14BF7	F9F94040
(600)	40404CF3	4BF2F6F4	40404040	40F34BF7	F2F84040	4C4C4040	40404040	40404040	40404040	40404040
(640)	40F7F840	40F140F1	F7F4F540	F3F24BF0	F0F04040	4C4C40F0	4BF0F8F5	40404040	40F14BF8	F2F84040
(680)	40404CF3	4BF1F7F7	40404040	40F34BF6	F6F64040	4C4C4040	40404040	40404040	40404040	40404040
(720)	40F7F840	40F140F1	F7F4F540	F3F64BF0	F0F04040	4C4C60F0	4BF1F7F8	40404040	40F24BF0	F5F44040
(760)	40404CF3	4BF0F2F7	40404040	40F54BF6	F6F34040	4C4C4040	40404040	40404040	40404040	40404040
(800)	40F7F840	40F140F1	F7F4F540	F4F04BF0	F0F04040	4C4C60F0	4BF5F9F3	40404040	40F24BF3	F4F54040
(840)	40404CF2	4BF9F7F3	40404040	40F34BF8	F3F34040	4C4C4040	40404040	40404040	40404040	40404040
(880)	40F7F840	40F140F1	F7F4F540	F4F44BF0	F0F04040	4C4C60F0	4BF9F5F1	40404040	40F24BF4	F6F74040
(920)	40404CF3	4BF1F1F2	40404040	40F44BF0	F8F34040	4C4C4040	40404040	40404040	40404040	40404040
(960)	40F7F840	40F140F1	F7F4F540	F4F84BF0	F0F04040	4C4C60F1	4BF1F6F3	40404040	40F24BF4	F0F74040
(1000)	40404CF3	4BF6F7F5	40404040	40F44BF5	F4F44040	4C4C4040	40404040	40404040	40404040	40404040
(1040)	40F7F840	40F140F1	F7F4F540	F5F24BF0	F0F04040	4C4C60F1	4BF1F9F4	40404040	40F24BF2	F5F24040
(1080)	40404CF4	4BF7F7F5	40404040	40F54BF4	F1F24040	4C4C4040	40404040	40404040	40404040	40404040
(1120)	40F7F840	40F140F1	F7F4F540	F5F64BF0	F0F04040	4C4C60F1	4BF3F7F3	40404040	40F24BF5	F6F24040
(1160)	40404CF5	4BF5F0F1	40404040	40F64BF2	F2F14040	4C4C4040	40404040	40404040	40404040	40404040
(1200)	40F7F840	40F140F1	F7F4F640	40F04BF0	40404040	4C4C60F1	4BF4F6F4	40404040	40F34BF5	F7F94040
(1240)	40404CF6	4BF3F1F2	40404040	40F74BF4	F0F24040	4C4C4040	40404040	40404040	40404040	40404040
(1280)	40F7F840	40F140F1	F7F4F640	40F44BF0	F0F04040	4C4C60F0	4BF4F7F9	40404040	40F54BF4	F5F24040
(1320)	40404CF1	4BF0F9F5	40404040	F1F14BF4	F8F34040	4C4C4040	40404040	40404040	40404040	40404040
(1360)	40F7F840	40F140F1	F7F4F640	40F84BF0	F0F04040	4C4C60F1	4BF0F7F6	40404040	40F64BF4	F5F74040
(1400)	40404F1F1	4BF9F2F8	40404040	F1F34BF6	F0F64040	4C4C4040	40404040	40404040	40404040	40404040
(1440)	40F7F840	40F140F1	F7F4F640	F1F24BF0	F0F04040	4C4C60F1	4BF3F5F0	40404040	40F64BF7	F5F44040
(1480)	40404F1F4	4BF8F0F8	40404040	F1F64BF3	F3F14040	4C4C4040	40404040	40404040	40404040	40404040
(1520)	40F7F840	40F140F1	F7F4F640	F1F64BF0	F0F04040	4C4C60F1	4BF7F1F7	40404040	40F54BF7	F8F34040
(1560)	40404F1F3	4BF8F9F9	40404040	F1F54BF1	F5F24040	4C4C4040	40404040	40404040	40404040	40404040
(1600)	40F7F840	40F140F1	F7F4F640	F2F04BF0	F0F04040	4C4C60F0	4BF2F5F7	40404040	40F44BF0	F1F74040
(1640)	40404F1F3	4BF1F5F7	40404040	F1F34BF7	F5F94040	4C4C4040	40404040	40404040	40404040	40404040
(1680)	40F7F840	40F140F1	F7F4F640	F2F44BF0	F0F04040	4C4C40F0	4BF8F6F9	40404040	40F24BF9	F4F74040
(1720)	40404F1F1	4BF6F3F7	40404040	F1F24BF0	F3F64040	4C4C4040	40404040	40404040	40404040	40404040
(1760)	40F7F840	40F140F1	F7F4F640	F2F84BF0	F0F04040	4C4C40F0	4BF8F2F2	40404040	40F84BF0	F1F34040
(1800)	40404F1F0	4BF9F3F8	40404040	F1F34BF5	F8F44040	4C4C4040	40404040	40404040	40404040	4C4C4040
(1840)	40F7F840	40F140F1	F7F4F640	F3F24BF0	F0F04040	4C4C60F0	4BF9F7F6	40404040	40F94BF9	F0F24040
(1880)	40404F1F2	4BF4F9F9	40404040	F1F54BF9	F7F64040	4C4C4040	40404040	40404040	40404040	40404040
(1920)	40F7F840	40F140F1	F7F4F640	F3F64BF0	F0F04040	4C4C60F1	4BF2F9F6	40404040	F1F04BF3	F6F54040
(1960)	40404F1F1	4BF8F6F1	40404040	F1F54BF8	F0F44040	4C4C4040	40404040	40404040	40404040	4C4C4040
(2000)	40F7F840	40F140F1	F7F4F640	F4F04BF0	F0F04040	4C4C60F1	4BF8F2F4	40404040	40F54BF3	F3F24040
(2040)	40404F1F0	4BF9F7F6	40404040	F1F24BF3	F3F94040	4C4C4040	40404040	40404040	40404040	40404040
(2080)	40F7F840	40F140F1	F7F4F640	F4F44BF0	F0F04040	4C4C40F0	4BF2F4F5	40404040	40F44BF0	F3F84040
(2120)	40404F1F0	4BF4F3F0	40404040	F1F14BF1	F8F74040	4C4C4040	40404040	40404040	40404040	40404040
(2160)	40F7F840	40F140F1	F7F4F640	F4F84BF0	F0F04040	4C4C40F0	4BF0F9F2	40404040	40F24BF7	F2F44040
(2200)	40404F1F0	4BF3F3F3	40404040	F1F04BF6	F8F74040	4C4C4040	40404040	40404040	40404040	40404040
(2240)	40F7F840	40F140F1	F7F4F640	F5F24BF0	F0F04040	4C4C60F1	4BF0F1F7	40404040	40F14BF8	F4F54040
(2280)	40404F1F0	4BF0F7F8	40404040	F1F04BF2	F9F64040	4C4C4040	40404040	40404040	40404040	40404040
(2320)	40F7F840	40F140F1	F7F4F640	F5F64BF0	F0F04040	4C4C60F2	4BF1F3F1	40404040	40F24BF3	F2F24040
(2360)	40404CF9	4BF5F9F5	40404040	F1F04BF0	F9F94040	4C4C4040	40404040	40404040	40404040	40404040

FILE 16 RECORD 3 LENGTH 1200BYTES

(0)	40F7F840	40F140F1	F7F4F940	40F04BF0	40404040	4C4C40F0	4BF1F7F8	40404040	40F54BF9	F0F04040
(40)	40404CF8	4BF5F1F5	40404040	F1F04BF3	F6F14040	4C4C4040	40404040	40404040	40404040	4C4C4040
(80)	40F7F840	40F140F1	F7F4F940	40F44BF0	F0F04040	4C4C60F1	4BF6F1F5	40404040	40F64BF6	F9F94040
(120)	40404CF7	4BF5F4F1	40404040	F1F04BF2	F1F54040	4C4C4040	40404040	40404040	40404040	40404040
(160)	40F7F840	40F140F1	F7F4F940	40F84BF0	F0F04040	4C4C60F1	4BF0F2F1	40404040	40F54BF3	F3F34040
(200)	40404CF7	4BF9F3F3	40404040	40F94BF6	F1F34040	4C4C4040	40404040	40404040	4C4C4040	4C4C4040
(240)	40F7F840	40F140F1	F7F4F940	F1F24BF0	F0F04040	4C4C60F1	4BF1F3F8	40404040	40F54BF1	F5F94040
(280)	40404CF8	4BF5F3F3	40404040	40F94BF6	F3F14040	4C4C4040	40404040	40404040	40404040	40404040
(320)	40F7F840	40F140F1	F7F4F940	F1F64BF0	F0F04040	4C4C40F0	4BF5F7F8	40404040	40F44BF4	F0F84040
(360)	40404F1F1	4BF4F1F3	40404040	F1F24BF2	F4F84040	4C4C4040	40404040	40404040	40404040	40404040
(400)	40F7F840	40F140F1	F7F4F940	F2F04BF0	F0F04040	4C4C40F1	4BF3F0F0	40404040	40F54BF8	F7F34040
(440)	40404F1F3	4BF1F5F0	40404040	F1F44BF4	F6F04040	4C4C4040	40404040	40404040	40404040	40404040
(480)	40F7F840	40F140F1	F7F4F940	F2F44BF0	F0F04040	4C4C40F1	4BF3F8F8	40404040	40F54BF6	F7F34040

ISEE
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12/01/77 - 12/12/77

DUMP OF TAPE X-213

INPUT TAPE X-213 ON MS1
DATA INPUT H9 NF 3 FL 3 1 1

FILE 1 RECORD 357 LENGTH 4800BYTES

(0)	424D0000	4314F000	41C00000	41100000	00000000	0CCC0000	00000000	00000000	41129052	40C4E7F0
(40)	C0754426	4117728A	424D0000	4314F000	41C00000	41100000	00000000	41100000	00000000	00000000
(80)	408C8A81	4114DFFB	C03ABF6B	4116F182	424D0000	4314F000	41C00000	41100000	00000000	41200000
(120)	00000000	00000000	40944AF3	41141D08	C03D747C	41167A0A	424D0000	4314F000	41C00000	41100000
(160)	00000000	41300000	00000000	00000000	40C2B106	4CFEEE13	C0451D2D	4114821E	424D0000	4314F000
(200)	41C00000	41100000	00000000	41400000	00000000	0CCC0000	40E79083	41122907	C014EA21	41174245
(240)	424D0000	4314F000	41C00000	41100000	00000000	41500000	00000000	C0000000	59C9F2C9	59C9F2C9
(280)	59C9F2C9	59C9F2C9	424D0000	4314F000	41C00000	41100000	00000000	41600000	00000000	00000000
(320)	404FD836	41156242	405B991F	4116B141	424D0000	4314F000	41C00000	41100000	00000000	41700000
(360)	00000000	00000000	407AF2BE	4113C266	407DFB31	41169DAA	424D0000	4314F000	41C00000	41100000
(400)	00000000	41800000	00000000	00000000	405AD93D	4CEAFFE7	4097DA8A	41126205	424D0000	4314F000
(440)	41C00000	41100000	00000000	41900000	00000000	0CCC0000	40B87EB7	C0722D1A	C0C38648	4112411C
(480)	424D0000	4314F000	41C00000	41100000	00000000	41A00000	00000000	00000000	C073B9CB	C111532F
(520)	C0E33B59	41178A6A	424D0000	4314F000	41C00000	41100000	00000000	41B00000	00000000	00000000
(560)	C0761D96	C0F8B243	C111B099	4118ADB2	424D0000	4314F000	41C00000	41100000	00000000	41C00000
(600)	00000000	00000000	C07AF03F	C1140190	C0D6CA1B	411949CA	424D0000	4314F000	41C00000	41100000
(640)	00000000	41D00000	00000000	00000000	C0A9CC6B	C115FA4A	C0A333BF	411A7399	424D0000	4314F000
(680)	41C00000	41100000	C0000000	41E00000	00000000	0CCC0000	C0C3F7E8	C1164378	C0AF1C10	411BA46B
(720)	424D0000	4314F000	41C00000	41100000	00000000	41FC0000	00000000	00000000	C0AE0F99	C116C5E7
(760)	C0B550A0	411B0D2C	424D0000	4314F000	41C00000	41100000	00000000	42100000	00000000	00000000
(800)	C0533589E	C1170D0C	C0B81121	411A3D35	424D0000	4314F000	41C00000	41100000	00000000	42110000
(840)	00000000	00000000	C0350BB8	C116FDDE	C066C2AD	411819D9	424D0000	4314F000	41C00000	41100000
(880)	00000000	42120000	00000000	00000000	C0760B7F	C115D524	C06686B5	4117EB66	424D0000	4314F000
(920)	41C00000	41100000	00000000	42130000	00000000	0CCC0000	4094F068	CCAFA0B8	C02D53E2	4CEAB25F
(960)	424D0000	4314F000	41C00000	41100000	00000000	42140000	00000000	00000000	40B8CB3B	C0569CF3
(1000)	BFB0CFB7	40CC623D	424D0000	4314F000	41C00000	41100000	00000000	42150000	00000000	00000000
(1040)	4093EF39	C0199C0C	BF3D15CF	40962EEE	424D0000	4314F000	41C00000	41100000	00000000	42160000
(1080)	00000000	00000000	40B35896	40271BE2	C01F1D1A	40BA2DC9	424D0000	4314F000	41C00000	41100000
(1120)	00000000	42170000	00000000	00000000	59C9F2C9	59C9F2C9	59C9F2C9	59C9F2C9	424D0000	4314F000
(1160)	41C00000	41100000	00000000	42180000	00000000	0CCC0000	40438493	C010E53F	C05E08B4	4074FD46
(1200)	424D0000	4314F000	41C00000	41100000	00000000	42190000	00000000	00000000	40E73815	C03175C7
(1240)	404D000A	40F8ABF0	424D0000	4314F000	41C00000	41100000	00000000	421A0000	00000000	00000000
(1280)	40DA57B0	C03E1689	4047CDBA	40EE1595	424D0000	4314F000	41C00000	41100000	00000000	421B0000
(1320)	00000000	00000000	40BF5F9A	C01ACF71	403B3C57	4CCA1E10	424D0000	4314F000	41C00000	41100000
(1360)	00000000	421C0000	00000000	00000000	40BF85CE	CC1492AF	404CF0CD	40CF6B6F	424D0000	4314F000
(1400)	41C00000	41100000	00000000	421D0000	00000000	0CCC0000	40C19445	C0264E5D	407C1695	40E91AEC
(1440)	424D0000	4314F000	41C00000	41100000	00000000	421E0000	00000000	00000000	40B9C97F	C060EE55
(1480)	406C4659	40EBDF63	424D0000	4314F000	41C00000	41100000	00000000	421F0000	00000000	00000000
(1520)	4051E4D7	C046C3BE	404A8E06	40836CEB	424D0000	4314F000	41C00000	41100000	00000000	42200000
(1560)	00000000	00000000	C0448D07	C04B02E4	40528318	4C82E5C5	424D0000	4314F000	41C00000	41100000
(1600)	00000000	42210000	00000000	00000000	C1128B57	CCAFDA4E	407EA949	4116F6D9	424D0000	4314F000
(1640)	41C00000	41100000	00000000	42220000	00000000	0CCC0000	C1142D64	401C7403	40552810	4114F16E
(1680)	424D0000	4314F000	41C00000	41100000	00000000	42230000	00000000	00000000	C1124D19	C097E74C
(1720)	4061EB13	4115819C	424D0000	4314F000	41C00000	41100000	00000000	42240000	00000000	00000000
(1760)	C116A6DE	C118A81C	4096E762	411895D0	424D0000	4314F000	41C00000	41100000	00000000	42250000
(1800)	00000000	00000000	C11E44FB	4012C9A1	40645BC7	411EEF45	424D0000	4314F000	41C00000	41100000
(1840)	00000000	42260000	00000000	00000000	C11D5D14	4C1FA89A	406AAD05	411E2D0A	424D0000	4314F000
(1880)	41C00000	41100000	00000000	42270000	00000000	0CCC0000	C0F11D60	C067779D	40B154E2	4113CAEE
(1920)	424D0000	4314F000	41C00000	41100000	00000000	42280000	00000000	00000000	C0E2C12A	C01D41EC
(1960)	40A1B4A9	411180A3	424D0000	4314F000	41C00000	41100000	00000000	42290000	00000000	00000000
(2000)	C11824A7	C0161C68	401E9CC8	4113421D	424D0000	4314F000	41C00000	41100000	00000000	422AC000
(2040)	00000000	00000000	C0F4DE68	BFDECF32	C019AE55	4CF69AF2	424D0000	4314F000	41C00000	41100000
(2080)	00000000	422B0000	00000000	00000000	412269F7	41103360	4078FB04	4126C7E5	424D0000	4314F000
(2120)	41C00000	41100000	C0000000	422C0000	00000000	0CCC0000	412481AE	40F13D80	4092C23F	41288C75
(2160)	424D0000	4314F000	41C00000	41100000	00000000	422D0000	00000000	C0000000	4123507F	40DD30B7
(2200)	4079BA6E	4126ADF5	424D0000	4314F000	41C00000	41100000	00000000	422E0000	00000000	00000000
(2240)	4122AD58	40C79B6A	40596D9B	4125663E	424D0000	4314F000	41C00000	41100000	00000000	422F0000

(2280)	00000000	00000000	C185BD0B	416A7FF0	C1B7F7FF	41FA7AAE	424D0000	43159000	41C00000	41B00000
(2320)	41600000	42310000	00000000	00000000	C1726CC0	41888DAF	C1A6CFA4	41F40FA4	424D0000	43159000
(2360)	41C00000	41B00000	41600000	42320000	00000000	0CCC0000	C17E650D	419294EB	C1B234D6	42107188
(2400)	424D0000	43159000	41C00000	41B00000	41600000	42330000	00000000	00000000	C17B3483	419C4ED4
(2440)	C1A9DBC8	42105A7D	424D0000	43159000	41C00000	41BC0000	41600000	42340000	00000000	00000000
(2480)	C175DD84	419A0110	C1A11AC8	41FC1E92	424D0000	43159000	41C00000	41B00000	41600000	42350000
(2520)	00000000	00000000	C16FE1F7	41B2CBDC	C19A27E2	421C53F2	424D0000	43159000	41C00000	41B00000
(2560)	41600000	42360000	C0000000	00000000	C18D7251	41978D8D	C1894F55	41F89FD0	424D0000	43159000
(2600)	41C00000	41B00000	41600000	42370000	00000000	0CCC0000	C1919230	415928FB	C19EF6EA	41E94285
(2640)	424D0000	43159000	41C00000	41B00000	41600000	42380000	00000000	00000000	C18D6E6D	4176214E
(2680)	C18B9323	41E72B03	424D0000	43159000	41C00000	41BC0000	41600000	42390000	00000000	00000000
(2720)	C18DCE69	4191A6CA	C1883475	41F4B1AB	424D0000	43159000	41C00000	41B00000	41600000	423A0000
(2760)	00000000	00000000	C1903925	4194B976	C18448FF	41F5CD54	424D0000	43159000	41C00000	41B00000
(2800)	41600000	423B0000	00000000	00000000	C191E47C	4193A959	C17FA3C5	41F3AE58	424D0000	43159000
(2840)	41C00000	41B00000	41700000	00000000	00000000	0CC00000	C1897769	41A57348	C1775AD5	41F60035
(2880)	424D0000	43159000	41C00000	41B00000	41700000	411C0000	00000000	00000000	C191C6B5	4195E45D
(2920)	C17E67B5	41F4542D	424D0000	43159000	41C00000	41BC0000	41700000	41200000	00000000	00000000
(2960)	C19C0187	41715CD5	C171D95D	41DFF175	424D0000	43159000	41C00000	41B00000	41700000	41300000
(3000)	00000000	00000000	C1890283	418BB7F2	C174985D	41E3C9BC	424D0000	43159000	41C00000	41B00000
(3040)	41700000	41400000	C0000000	00000000	C198D5C8	419C6996	C165BED1	41F13230	424D0000	43159000
(3080)	41C00000	41B00000	41700000	41500000	00000000	0CCC0000	C17AD654	41A389E6	C17410C7	41EB2B9A
(3120)	424D0000	43159000	41C00000	41B00000	41700000	41600000	00000000	00000000	C18CBFEE	41AFC613
(3160)	C16D4A48	41FA4D61	424D0000	43159000	41C00000	41BC0000	41700000	41700000	00000000	00000000
(3200)	C1811BE2	41A93D02	C17ADA74	41F5C584	424D0000	43159000	41C00000	41B00000	41700000	41800000
(3240)	00000000	00000000	C1808212	41ABDCD3	C16CEBFA	41FCA7CA	424D0000	43159000	41C00000	41B00000
(3280)	41700000	41900000	C0000000	00000000	C17C70C1	41B690DB	C16A3A61	41F52739	424D0000	43159000
(3320)	41C00000	41B00000	41700000	41A00000	00000000	0CCC0000	C1791ACB	41B99D05	C16533A8	41F3A3D7
(3360)	424D0000	43159000	41C00000	41B00000	41700000	41BC0000	00000000	00000000	C180F7D4	41C90D4E
(3400)	C13B8CE0	41F62C28	424D0000	43159000	41C00000	41B00000	41700000	41C00000	00000000	00000000
(3440)	C1803BBD	41BE69E2	C1510B8F	41F35689	424D0000	43159000	41C00000	41B00000	41700000	41D00000
(3480)	00000000	00000000	C18B46B3	41B67C06	C15E0B65	41F81405	424D0000	43159000	41C00000	41B00000
(3520)	41700000	41E00000	00000000	00000000	C1896638	41BBF8CB	C1470A3C	41F36E56	424D0000	43159000
(3560)	41C00000	41B00000	41700000	41F00000	00000000	0CCC0000	C17B529B	41CD5938	C13943E6	41F648B2
(3600)	424D0000	43159000	41C00000	41B00000	41700000	421C0000	00000000	00000000	C17FAD56	41CCBFD0
(3640)	C13E6C67	41F93D57	424D0000	43159000	41C00000	41BC0000	41700000	42110000	00000000	00000000
(3680)	C17E12B1	41C73530	C14B9240	41F79104	424D0000	43159000	41C00000	41B00000	41700000	42120000
(3720)	00000000	00000000	C17450E9	41C464BC	C143667B	41EDFF43	424D0000	43159000	41C00000	41B00000
(3760)	41700000	42130000	C0000000	00000000	C177D95E	41BFA1F2	C136770E	41E87E5F	424D0000	43159000
(3800)	41C00000	41B00000	41700000	42140000	00000000	0CCC0000	C180D735	41CA967C	C12B6B66	41F3FB46
(3840)	424D0000	43159000	41C00000	41B00000	41700000	42150000	00000000	00000000	C17FC3CA	41D8073F
(3880)	C12A216E	41FE7E65	424D0000	43159000	41C00000	41BC0000	41700000	42160000	00000000	00C00000
(3920)	C1739C61	41DA366A	C085EC30	41F71100	424D0000	43159000	41C00000	41B00000	41700000	42170000
(3960)	00000000	00000000	C16EC0D9	41D96C7B	3E1C0000	41F401C6	424D0000	43159000	41C00000	41B00000
(4000)	41700000	42180000	C0000000	00000000	C1743DEB	41B389FB	C15AC21A	41E857EA	424D0000	43159000
(4040)	41C00000	41B00000	41700000	42190000	00000000	0CCC0000	C174AB34	4195D459	C191C2C3	41EF635C
(4080)	424D0000	43159000	41C00000	41B00000	41700000	421A0000	00000000	00000000	C16A2714	41A12D89
(4120)	C18C8C77	41E7E300	424D0000	43159000	41C00000	41BC0000	41700000	421B0000	00000000	00000000
(4160)	C17A64EA	41AE311A	C17F3F3B	41F805A2	424D0000	43159000	41C00000	41B00000	41700000	421C0000
(4200)	00000000	00000000	C1772666	41AE8E67	C1741024	41F11DDC	424D0000	43159000	41C00000	41B00000
(4240)	41700000	421D0000	00000000	00000000	C181C9ED	41C3FB64	C15F0D72	41FD8D88	424D0000	43159000
(4280)	41C00000	41B00000	41700000	421E0000	00000000	0CCC0000	C1701A43	41823133	C18286FA	41D7C3BC
(4320)	424D0000	43159000	41C00000	41B00000	41700000	421F0000	00000000	00000000	C171500B	41796103
(4360)	C19E6C7A	41E583FE	424D0000	43159000	41C00000	41BC0000	41700000	42200000	00000000	00000000
(4400)	C19CD723	416FBEB8	C19911B2	41F60000	424D0000	43159000	41C00000	41B00000	41700000	42210000
(4440)	00000000	00000000	C19976F0	41A37D83	C168494E	41F74C2E	424D0000	43159000	41C00000	41B00000
(4480)	41700000	42220000	C0000000	00000000	C179C2F3	418DA1DA	C1706C6B	41DAC05A	424D0000	43159000
(4520)	41C00000	41B00000	41700000	42230000	00000000	0CCC0000	C188880C	41975F8C	C1703EE1	41E8B5A9
(4560)	424D0000	43159000	41C00000	41B00000	41700000	42240000	00000000	00000000	C1894EF1	41A6F256
(4600)	C164C0A5	41EE7C8D	424D0000	43159000	41C00000	41BC0000	41700000	42250000	00000000	00000000
(4640)	C18B4819	4197F2CC	C1688DC5	41E87994	424D0000	43159000	41C00000	41B00000	41700000	42260000
(4680)	00000000	00000000	C1912F1C	419A8AE3	C17AFE14	41F52166	424D0000	43159000	41C00000	41B00000
(4720)	41700000	42270000	00000000	00000000	C188D22C	417F472A	C19A6425	41F265A1	424D0000	43159000
(4760)	41C00000	41B00000	41700000	42280000	0000000C	0CCC0000	C17492CF	41778300	C1A87686	41ED2CEA

FILE 3 RECORD 23 LENGTH 3024BYTES

ISEE 2

HI-RESOLUTION FLUXGATE MAG DATA

77-102B-04C SPMS-00291

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN EBCDIC. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 360 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005255	DS005255	D034023	1-15	11/07/77 - 01/01/78

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2553	MJT

ISEE 2

MAGNETOMETER DATA HI RESOLUTION

77-102B-04C

This data set catalog consists of 1 data tape. The tape is 9 track, 1600 BPI, EBCDIC with 15 files of data. The tape was created on an IBM 360 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-34023	C-20635	11/07/77 - 1/01/78

77-102B-04C

CDAW Tape Documentation Form

Data Set Description

1. Data Set Name: SSC347 (ISEE-B hi-res data)
2. Scientific Contact: *(See Note A)* Dr. C.T. Russell (213) 825-3188
3. Programmer Contact: *(See Note A)* Barbara Fleming (213) 825-3188

Tape Description

1. Number of tapes submitted: 1
2. Number of files per tape: 15
3. Tape density: 1600BPI
4. Number of end of file marks: 16 (two at end)
5. Number of tracks per tape: 9
6. Recording parity: odd
7. Make and model of computer used: IBM 360/91
8. Are tapes written in binary, coded, or both (e.g. BCD)?: EBCDIC
9. What floating point representation is used (e.g. CDC 64 bit)?: IBM 32 bit real word
10. What integer representation is used: IBM 32 bit integer word
11. Number of physical records per file: ≥ 80 physical blocks/file
12. Are original tapes to be returned?: send replacement tape
13. Start and stop time of each file: See attached

Logical and Physical Record Format

Please attach. *(See Note B)*

For INS/SSC use only

Date Rcvd:
Programmer ID: JK
Tape #: X-978
Data Base:

CDAW #: 3.0
CON #: I204
Date Loaded:

[SSC347]

SSC347 is a 9 trk, 1600BPI, EBCDIC tape

It is fixed block, record length = 80, blocksize = 2400

It is unlabeled and contains 15 files of hi-resolution ISEE-B field data, with an extra EOF mark at the tape's end.

The data was written with the format:

2I3, 1X, 2I2, F7.3, 4F10.3

Parameter	Description	Type	Format
YR	Year	32 bit IBM integer word	I3
DAY	Julian day	"	I3
HR	Hour (UT)	"	I2
MIN	minute	"	I2
SEC	second	32 bit IBM real word	F7.3
BX	x-component of B field*	"	F10.3
BY	y-component	"	F10.3
BZ	z-component	"	F10.3
BT	total field	"	F10.3

*The particular high resolution time for each file is included in the accompanying list of file start and stop times. Missing or bad point data is flagged by 9999.99

[SSCSN7]

File	Start time	Stop time	Δt resolution (seconds)
1	77 311 2244:00	77 311 2300:00	0.062501 (1/16s
2	77 314 1058:00	77 314 1126:00	0.250006 (1/4s
3	77 320 0309:00	77 320 0315:00	0.062501
4	77 334 0612:00	77 334 0712:00	0.250006
5	77 339 0530:00	77 339 0612:00	0.250006
6	77 340 1400:00	77 340 1426:30	0.250006
7	77 341 1130:00	77 341 1200:00	0.062501
8	77 341 1701:00	77 341 1708:00	0.062501
9	77 342 2155:00	77 342 2205:00	0.062501
10	77 343 2130:00	77 343 2248:00	0.250006
11	77 344 0512:00	77 344 0536:00	0.250006
12	77 352 0734:00	77 352 0748:00	0.250006
13	77 355 0030:00	77 355 0045:00	0.250006
14	77 358 1132:00	77 358 1142:00	0.250006
15	78 001 1745:00	78 001 1750:00	0.06250

DUMP OF TAPE X-393

INPUT TAPE X-393 ON MS2
DATA INPUT H9 NF 15 FL 1 1 1 SR 15 1 1 SR 15 LAST 1

FILE 1 RECORD 1 LENGTH 2400BYTES

(0)	40F7F7F3	F1F140F2	F2F4F440	F2F64BF7	F5F14040	4C4C40F0	4BF5F2F4	40404040	40F44BF1	F3F34040
(4)	4C4C40F1	4BF4F9F1	4C4C4040	40F44BF4	F2F54040	4C4C4040	40404040	40404040	40404040	40404040
(8)	40F7F7F3	F1F140F2	F2F4F440	F2F64BF8	F1F34040	4C4C40F0	4BF4F9F7	40404040	40F44BF1	F3F54040
(120)	4C4C40F1	4BF4F9F4	4C4C4040	40F44BF4	F2F54040	4C4C4040	40404040	40404040	40404040	40404040
(160)	40F7F7F3	F1F140F2	F2F4F440	F2F64BF8	F7F64040	4C4C40F0	4BF5F0F3	40404040	40F44BF1	F0F34040
(200)	4C4C40F1	4BF5F3F5	40404040	40F44BF4	F1F04040	4C4C4040	40404040	40404040	40404040	40404040
(240)	40F7F7F3	F1F140F2	F2F4F440	F2F64BF9	F3F84040	4C4C40F0	4BF5F5F3	40404040	40F44BF1	F0F24040
(280)	4C4C40F1	4BF5F0F4	40404040	40F44BF4	F0F44040	4C4C4040	40404040	40404040	40404040	40404040
(320)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF0	F0F14040	4C4C40F0	4BF5F2F3	40404040	40F44BF1	F2F64040
(360)	4C4C40F1	4BF4F8F4	40404040	40F44BF4	F1F64040	4C4C4040	40404040	40404040	40404040	40404040
(400)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF0	F6F34040	4C4C40F0	4BF5F0F8	40404040	40F44BF1	F2F54040
(440)	4C4C40F1	4BF5F3F5	40404040	40F44BF4	F3F14040	4C4C4040	40404040	40404040	40404040	40404040
(480)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF1	F2F64040	4C4C40F0	4BF5F1F9	40404040	40F44BF1	F3F44040
(520)	4C4C40F1	4BF5F4F6	40404040	40F44BF4	F4F44040	4C4C4040	40404040	40404040	40404040	40404040
(560)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF1	F8F84040	4C4C40F0	4BF5F3F3	40404040	40F44BF1	F2F44040
(600)	4C4C40F1	4BF5F1F9	4C4C4040	40F44BF4	F2F74040	4C4C4040	40404040	40404040	40404040	40404040
(640)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF2	F5F14040	4C4C40F0	4BF5F5F2	40404040	40F44BF1	F0F54040
(680)	4C4C40F1	4BF5F3F3	40404040	40F44BF4	F1F74040	4C4C4040	40404040	40404040	40404040	40404040
(720)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF3	F1F34040	4C4C40F0	4BF5F1F6	40404040	40F44BF1	F2F24040
(760)	4C4C40F1	4BF5F8F1	4C4C4040	40F44BF4	F4F54040	4C4C4040	40404040	40404040	40404040	40404040
(800)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF3	F7F64040	4C4C40F0	4BF5F4F9	40404040	40F44BF1	F1F94040
(840)	4C4C40F1	4BF5F6F5	4C4C4040	40F44BF4	F4F14040	4C4C4040	40404040	40404040	40404040	40404040
(880)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF4	F3F84040	4C4C40F0	4BF5F4F8	40404040	40F44BF1	F3F24040
(920)	4C4C40F1	4BF5F4F4	4C4C4040	40F44BF4	F4F54040	4C4C4040	40404040	40404040	40404040	40404040
(960)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF5	F0F14040	4C4C40F0	4BF5F3F3	40404040	40F44BF1	F2F94040
(1000)	4C4C40F1	4BF5F6F4	40404040	40F44BF4	F4F84040	4C4C4040	40404040	40404040	40404040	40404040
(1040)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF5	F6F34040	4C4C40F0	4BF5F5F9	40404040	40F44BF1	F1F84040
(1080)	4C4C40F1	4BF5F7F8	4C4C4040	40F44BF4	F4F64040	4C4C4040	40404040	40404040	40404040	40404040
(1120)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF6	F2F64040	4C4C40F0	4BF5F4F6	40404040	40F44BF1	F1F44040
(1160)	4C4C40F1	4BF5F7F8	40404040	40F44BF4	F4F04040	4C4C4040	40404040	40404040	40404040	40404040
(1200)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF6	F8F84040	4C4C40F0	4BF5F2F7	40404040	40F44BF0	F9F74040
(1240)	4C4C40F1	4BF6F1F2	40404040	40F44BF4	F3F44040	4C4C4040	40404040	40404040	40404040	40404040
(1280)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF7	F5F14040	4C4C40F0	4BF5F5F3	40404040	40F44BF0	F9F94040
(1320)	4C4C40F1	4BF6F1F6	4C4C4040	40F44BF4	F4F04040	4C4C4040	40404040	40404040	40404040	40404040
(1360)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF8	F1F34040	4C4C40F0	4BF5F6F5	40404040	40F44BF1	F0F44040
(1400)	4C4C40F1	4BF5F8F9	40404040	40F44BF4	F3F74040	4C4C4040	40404040	40404040	40404040	40404040
(1440)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF8	F7F64040	4C4C40F0	4BF5F7F7	40404040	40F44BF0	F9F94040
(1480)	4C4C40F1	4BF6F2F8	4C4C4040	40F44BF4	F4F84040	4C4C4040	40404040	40404040	40404040	40404040
(1520)	40F7F7F3	F1F140F2	F2F4F440	F2F74BF9	F3F84040	4C4C40F0	4BF6F0F1	40404040	40F44BF0	F8F74040
(1560)	4C4C40F1	4BF6F6F1	40404040	40F44BF4	F5F24040	4C4C4040	40404040	40404040	40404040	40404040
(1600)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF0	F0F14040	4C4C40F0	4BF5F9F1	40404040	40F44BF0	F7F34040
(1640)	4C4C40F1	4BF6F6F3	40404040	40F44BF4	F3F94040	4C4C4040	40404040	40404040	40404040	40404040
(1680)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF0	F6F34040	4C4C40F0	4BF5F9F8	40404040	40F44BF0	F8F74040
(1720)	4C4C40F1	4BF6F7F4	40404040	40F44BF4	F5F74040	4C4C4040	40404040	40404040	40404040	40404040
(1760)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF1	F2F64040	4C4C40F0	4BF6F0F3	40404040	40F44BF1	F0F64040
(1800)	4C4C40F1	4BF6F2F2	40404040	40F44BF4	F5F54040	4C4C4040	40404040	40404040	40404040	40404040
(1840)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF1	F8F84040	4C4C40F0	4BF6F0F6	40404040	40F44BF1	F0F54040
(1880)	4C4C40F1	4BF5F9F5	40404040	40F44BF4	F4F64040	4C4C4040	40404040	40404040	40404040	40404040
(1920)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF2	F5F14040	4C4C40F0	4BF6F3F3	40404040	40F44BF1	F1F94040
(1960)	4C4C40F1	4BF5F9F3	40404040	40F44BF4	F6F24040	4C4C4040	40404040	40404040	40404040	40404040
(2000)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF3	F1F34040	4C4C40F0	4BF6F2F6	40404040	40F44BF1	F1F24040
(2040)	4C4C40F1	4BF5F8F3	40404040	40F44BF4	F5F14040	4C4C4040	40404040	40404040	40404040	40404040
(2080)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF3	F7F64040	4C4C40F0	4BF6F1F8	40404040	40F44BF0	F9F44040
(2120)	4C4C40F1	4BF5F6F4	40404040	40F44BF4	F2F64040	4C4C4040	40404040	40404040	40404040	40404040
(2160)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF4	F3F84040	4C4C40F0	4BF5F8F9	40404040	40F44BF1	F1F54040
(2200)	4C4C40F1	4BF5F4F5	40404040	40F44BF4	F3F54040	4C4C4040	40404040	40404040	40404040	40404040
(2240)	40F7F7F3	F1F140F2	F2F4F440	F2F84BF5	F0F14040	4C4C40F0	4BF5F6F5	40404040	40F44BF1	F3F64040

(520)	40404 0F6	4BF6F9F2	40404040	F1F04BF3	F1F54040	4C4C4040	40404040	40404040	40404040	40404040
(560)	40F7F840	40F140F1	F7F4F540	40F04BF4	F3F84040	4C4C60F2	4BF3F0F2	40404040	40F54BF6	F3F94040
(600)	40404 0F6	4BF1F9F5	40404040	40F84BF6	F8F74040	4C4C4040	40404040	40404040	40404040	40404040
(640)	40F7F840	40F140F1	F7F4F540	40F04BF5	F0F04040	4C4C60F0	4BF8F5F1	40404040	40F54BF0	F8F84040
(680)	40404 0F6	4BF4F5F4	40404040	40F84BF2	F6F34040	4C4C4040	40404040	40404040	40404040	40404040
(720)	40F7F840	40F140F1	F7F4F540	40F04BF5	F6F34040	4C4C60F0	4BF7F1F0	40404040	40F34BF9	F5F44040
(760)	40404 0F6	4BF6F0F1	40404040	40F74BF7	F2F74040	4C4C4040	40404040	40404040	40404040	40404040
(800)	40F7F840	40F140F1	F7F4F540	40F04BF6	F2F54040	4C4C40F0	4BF3F1F9	40404040	40F24BF7	F1F44040
(840)	40404 0F6	4BF0F0F9	40404040	40F64BF6	F0F14040	4C4C4040	40404040	40404040	40404040	40404040
(880)	40F7F840	40F140F1	F7F4F540	40F04BF6	F8F84040	4C4C40F1	4BF0F6F2	40404040	40F44BF1	F6F94040
(920)	40404 0F5	4BF8F8F1	40404040	40F74BF2	F8F74040	4C4C4040	40404040	40404040	40404040	40404040
(960)	40F7F840	40F140F1	F7F4F540	40F04BF7	F5F04040	4C4C60F0	4BF5F4F9	40404040	40F54BF0	F1F34040
(1000)	40404 0F6	4BF4F3F4	40404040	40F84BF1	F7F54040	4C4C4040	40404040	40404040	40404040	40404040
(1040)	40F7F840	40F140F1	F7F4F540	40F04BF8	F1F34040	4C4C60F0	4BF6F0F4	40404040	40F34BF7	F6F44040
(1080)	40404 0F6	4BF5F0F7	40404040	40F74BF5	F4F14040	4C4C4040	40404040	40404040	40404040	40404040
(1120)	40F7F840	40F140F1	F7F4F540	40F04BF8	F7F54040	4C4C40F0	4BF8F0F1	40404040	40F34BF7	F3F74040
(1160)	40404 0F6	4BF1F7F3	40404040	40F74BF2	F6F14040	4C4C4040	40404040	40404040	40404040	40404040
(1200)	40F7F840	40F140F1	F7F4F540	40F04BF9	F3F84040	4C4C60F0	4BF1F3F4	40404040	40F34BF6	F2F44040
(1240)	40404 0F6	4BF3F1F8	40404040	40F74BF2	F8F54040	4C4C4040	40404040	40404040	40404040	40404040
(1280)	40F7F840	40F140F1	F7F4F540	40F14BF0	F0F04040	4C4C60F0	4BF1F7F1	40404040	40F24BF5	F6F34040
(1320)	40404 0F6	4BF3F6F1	40404040	40F64BF8	F6F04040	4C4C4040	40404040	40404040	40404040	40404040
(1360)	40F7F840	40F140F1	F7F4F540	40F14BF0	F6F34040	4C4C40F0	4BF8F2F0	40404040	40F34BF0	F7F84040
(1400)	40404 0F6	4BF3F9F5	40404040	40F74BF1	F4F44040	4C4C4040	40404040	40404040	40404040	40404040
(1440)	40F7F840	40F140F1	F7F4F540	40F14BF1	F2F54040	4C4C40F0	4BF2F2F5	40404040	40F34BF1	F8F34040
(1480)	40404 0F6	4BF5F0F6	40404040	40F74BF2	F4F74040	4C4C4040	40404040	40404040	40404040	40404040
(1520)	40F7F840	40F140F1	F7F4F540	40F14BF1	F8F84040	4C4C40F0	4BF3F4F9	40404040	40F24BF6	F0F14040
(1560)	40404 0F6	4BF6F1F6	40404040	40F74BF1	F1F84040	4C4C4040	40404040	40404040	40404040	40404040
(1600)	40F7F840	40F140F1	F7F4F540	40F14BF2	F5F04040	4C4C40F0	4BF8F6F0	40404040	40F24BF8	F2F94040
(1640)	40404 0F6	4BF5F7F3	40404040	40F74BF2	F0F84040	4C4C4040	40404040	40404040	40404040	40404040
(1680)	40F7F840	40F140F1	F7F4F540	40F14BF3	F1F34040	4C4C40F0	4BF9F8F9	40404040	40F24BF9	F4F44040
(1720)	40404 0F6	4BF4F9F6	40404040	40F74BF2	F0F04040	4C4C4040	40404040	40404040	40404040	40404040
(1760)	40F7F840	40F140F1	F7F4F540	40F14BF3	F7F54040	4C4C40F1	4BF0F7F0	40404040	40F24BF9	F8F84040
(1800)	40404 0F6	4BF6F2F1	40404040	40F74BF3	F4F34040	4C4C4040	40404040	40404040	40404040	40404040
(1840)	40F7F840	40F140F1	F7F4F540	40F14BF4	F3F84040	4C4C40F1	4BF4F4F3	40404040	40F34BF3	F5F64040
(1880)	40404 0F6	4BF4F9F7	40404040	40F74BF4	F5F34040	4C4C4040	40404040	40404040	40404040	40404040
(1920)	40F7F840	40F140F1	F7F4F540	40F14BF5	F0F04040	4C4C40F0	4BF8F2F3	40404040	40F34BF4	F3F94040
(1960)	40404 0F6	4BF3F2F8	40404040	40F74BF2	F4F94040	4C4C4040	40404040	40404040	40404040	40404040
(2000)	40F7F840	40F140F1	F7F4F540	40F14BF5	F6F34040	4C4C40F0	4BF5F3F0	40404040	40F24BF5	F4F34040
(2040)	40404 0F6	4BF1F2F5	40404040	40F64BF6	F5F34040	4C4C4040	40404040	40404040	40404040	40404040
(2080)	40F7F840	40F140F1	F7F4F540	40F14BF6	F2F54040	4C4C40F1	4BF3F4F6	40404040	40F24BF0	F7F14040
(2120)	40404 0F5	4BF8F2F7	40404040	40F64BF3	F2F94040	4C4C4040	40404040	40404040	40404040	40404040
(2160)	40F7F840	40F140F1	F7F4F540	40F14BF6	F8F84040	4C4C40F2	4BF0F0F6	40404040	40F24BF2	F9F94040
(2200)	40404 0F5	4BF4F7F9	40404040	40F64BF2	F7F14040	4C4C4040	40404040	40404040	40404040	40404040
(2240)	40F7F840	40F140F1	F7F4F540	40F14BF7	F5F04040	4C4C40F1	4BF7F8F7	40404040	40F24BF6	F1F94040
(2280)	40404 0F5	4BF4F5F6	40404040	40F64BF3	F1F04040	4C4C4040	40404040	40404040	40404040	40404040
(2320)	40F7F840	40F140F1	F7F4F540	40F14BF8	F1F34040	4C4C40F1	4BF1F6F7	40404040	40F24BF2	F6F84040
(2360)	40404 0F5	4BF6F1F3	40404040	40F64BF1	F6F64040	4C4C4040	40404040	40404040	40404040	40404040

FILE 15 RECORD 160 LENGTH 2400BYTES

(0)	40F7F840	40F140F1	F7F4F940	F5F84BF1	F3F24040	4C4C40F1	4BF2F9F7	40404040	60F04BF6	F7F24040
(40)	40404 0F2	4BF9F6F0	40404040	40F34BF3	F0F14040	4C4C4040	40404040	40404040	40404040	40404040
(80)	40F7F840	40F140F1	F7F4F940	F5F84BF1	F9F44040	4C4C40F1	4BF3F4F0	40404040	60F04BF7	F7F34040
(120)	40404 0F2	4BF9F2F4	40404040	40F34BF3	F0F84040	4C4C4040	40404040	40404040	40404040	40404040
(160)	40F7F840	40F140F1	F7F4F940	F5F84BF2	F5F74040	4C4C40F1	4BF3F8F9	40404040	60F04BF7	F8F54040
(200)	40404 0F2	4BF9F0F6	40404040	40F34BF3	F1F64040	4C4C4040	40404040	40404040	40404040	40404040
(240)	40F7F840	40F140F1	F7F4F940	F5F84BF3	F1F94040	4C4C40F1	4BF4F5F8	40404040	60F04BF8	F0F64040
(280)	40404 0F2	4BF8F6F5	40404040	40F34BF3	F1F44040	4C4C4040	40404040	40404040	40404040	40404040
(320)	40F7F840	40F140F1	F7F4F940	F5F84BF3	F8F24040	4C4C40F1	4BF5F4F7	40404040	60F04BF8	F4F04040
(360)	40404 0F2	4BF7F6F8	40404040	40F34BF2	F8F04040	4C4C4040	40404040	40404040	40404040	40404040
(400)	40F7F840	40F140F1	F7F4F940	F5F84BF4	F4F44040	4C4C40F1	4BF5F6F0	40404040	60F04BF8	F3F84040
(440)	40404 0F2	4BF7F5F3	40404040	40F34BF2	F7F44040	4C4C4040	40404040	40404040	40404040	40404040
(480)	40F7F840	40F140F1	F7F4F940	F5F84BF5	F0F74040	4C4C40F1	4BF5F8F8	40404040	60F04BF8	F6F64040
(520)	40404 0F2	4BF7F9F4	40404040	40F34BF3	F2F94040	4C4C4040	40404040	40404040	40404040	40404040
(560)	40F7F840	40F140F1	F7F4F940	F5F84BF5	F6F94040	4C4C40F1	4BF6F8F0	40404040	60F04BF7	F9F44040

ISEE 2

ELECTRIC SPECTRUM ANALYZER

77-102B-05A SPHE-00676

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED THREE 7-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN UNIVAC 418 COMPUTER AND WERE RESTORED ON THE MODCOMP. THE DR AND DS NUMBERS ALONG WITH THE CORREPSONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004299	DS004299	D032696	1	12/10/77 - 12/12/77
		D034026	2	11/07/77 - 01/01/78
		D035053	3	11/03/77 - 01/01/79

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD1446	MJT

ISEE 2
ELECTRIC SPECTRUM ANALYZER
77-102B-05A

This data set catalog consists of 3 data tapes. The tapes are 800 BPI, binary, 7 track with 1 file of data. The tapes were created on an UNIVAC 418 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-32696	C-20293	12/01/77 - 12/12/77
D-34026	C-20638	11/01/77 - 01/01/78
D-35053	C-20673	11/03/77 - 01/07/79

Astronom

Gurnett CDAW Tape [illegible]

I. Logical Record Description

Each logical record consists of 20 UNIVAC 418 integer words (18 bits each). The identification of each word follows.

WORD	IDENTIFICATION
1	Year of data (modulo 100) (77 = 1977)
2	Day of Year (1 = January 1)
3	Seconds of day
4	Logical Record Number (modulo 131072)
5	5.6 Hz ISEE-2 Electric Spectrum Analyzer data
6	10.0 Hz " "
7	17.8 Hz " "
8	31.1 Hz " "
9	56.2 Hz " "
10	100. Hz " "
11	178. Hz " "
12	311. Hz " "
13	562. Hz " "
14	1.00 kHz " "
15	1.78 kHz " "
16	3.11 kHz " "
17	5.62 kHz " "
18	10.0 kHz " "
19	17.8 kHz " "
20	31.1 kHz " "

In words 5 through 20, only the low order 8 bits are meaningful. The upper 10 bits are zeroes and can be neglected. The 8-bit data words are roughly proportional to the logarithm of the electric field intensity. Later when it is available, we will provide look-up tables which will allow you to convert directly from DN (data number) to Electric Field Strength (V/m). The data are averaged over 1 second intervals in time.

II. Tape Characteristics

1. Physical Record Size: 400 18-bit words
2. Logical Record Size: 20 18-bit words
3. Number of files: 1

   Number of end-of-filemarks: 2
4. Number of records: 147002 logical records
5. Number of tracks: ~~7~~ 9
6. Recording density: ~~800 BPI~~ 6250 BPI
7. Recording Mode: Binary
8. Recording Parity: Odd
9. Logical Record Format: See (I.) above
10. Make and Model of Computer Used to Produce the Tape:

    UNIVAC 1108-II computer

    UNIVAC UNISERVO-VI C Tape Drives

D32676
12/1/77 → 12/12/77

RECORD 1 OF FILE 1
LENGTH = 1202 BYTES

1(1)	000115000517	151360000001	000242000271	000255000206	000111000067	000062000046	000030000031	000026000023
9(49)	000025000016	000041000103	000115000517	151361000002	000235000241	000214000134	000130000077	000050000041
17(97)	000030000030	000026000024	000024000021	000040000106	000115000517	151362000003	000277000265	000201000131
25(145)	000113000064	000056000041	000042000035	000027000022	000023000013	000021000036	000115000517	151363000004
33(193)	000243000274	000235000167	000120000074	000050000054	000037000041	000032000023	000037000043	000035000045
41(241)	000115000517	151364000005	000234000243	000215000142	000112000100	000060000043	000041000033	000026000023
49(289)	000023000014	000037000062	000115000517	151365000006	000275000264	000210000130	000116000067	000062000053
57(337)	000035000024	000027000022	000023000014	000021000035	000115000517	151366000007	000233000271	000265000221
65(385)	000122000065	000050000046	000031000024	000026000025	000033000016	000035000065	000115000517	151367000010
73(433)	000231000244	000217000135	000116000073	000056000043	000041000037	000036000025	000033000024	000054000047
81(481)	000115000517	151370000011	000275000264	000202000127	000115000071	000057000053	000032000031	000026000021
89(529)	000023000014	000021000040	000115000517	151371000012	000244000272	000230000203	000117000074	000052000045
97(577)	000033000027	000024000021	000022000020	000042000052	000115000517	151372000013	000234000244	000221000147
105(625)	000125000111	000046000054	000035000031	000031000023	000023000017	000042000100	000115000517	151373000014
113(673)	000277000266	000212000132	000122000075	000040000051	000041000033	000026000021	000022000013	000022000044
121(721)	000115000517	151374000015	000242000257	000257000226	000131000064	000043000047	000036000032	000027000022
129(769)	000023000021	000043000111	000115000517	151375000016	000235000243	000220000147	000133000072	000057000051
137(817)	000040000032	000030000025	000035000036	000055000102	000115000517	151376000017	000274000263	000212000131
145(865)	000121000057	000051000045	000034000026	000025000021	000023000016	000022000036	000115000517	151377000020
153(913)	000235000271	000265000201	000137000076	000043000043	000033000031	000030000022	000023000017	000050000115
161(961)	000115000517	151400000021	000225000242	000220000150	000125000057	000055000042	000035000030	000031000023
169(1009)	000024000040	000031000062	000115000517	151401000022	000274000270	000213000126	000120000070	000057000053
177(1057)	000030000024	000026000021	000022000015	000033000033	000115000517	151402000023	000236000272	000261000164
185(1105)	000122000073	000052000052	000030000027	000030000022	000023000016	000044000072	000115000517	151403000024
193(1153)	000234000243	000221000145	000111000063	000047000051	000032000032	000030000023	000024000026	000062000132
201(1201)	7110							

RECORD 7345 OF FILE 1
LENGTH = 122 BYTES

```
  1(    1)   000115000532  064566037071  000241000256  000234000162  000147000135  000130000113  000104000104  000073000054
  9(   49)   000044000025  000034000031  000115000532  064567037072  000231000227  000211000150  000141000115  000104000107
 17(   97)   000065000072  000064000045  000043000030  000036000032  1001
```

7345 RECORDS IN FILE 1 OF TAPE

D-35053
B-05A
ISEE-2
11/03/77 - 1/07/79

DUMP OF TAPE X-404

INPUT TAPE X-404 ON MS6
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 2400BYTES Mod Octal Dump

(0)	103C3400	0000110C	33000000	113E1C20	3C101000	0CCCC000	2F213F2C	2F332F20	01052009	2F1B150C
(40)	24132F1A	35322438	2F1A0ECD	31302F19	392E330C	2F1916C6	CD262F19	C91A0739	2F191F24	263E2F19
(80)	01092838	2F183539	17262F18	280D2E3F	2F182934	28CE2F18	1D38393B	2F18122E	1E392F18	0716010F
(120)	103C3400	0000110C	33000000	113E1C21	3C101014	0CCCC000	2F2C2E3C	153A2F1B	3926291E	2F1B290F
(160)	25062F1B	1C2C2B11	2F1A2117	19252F19	3F191307	2F193506	190E2F19	2D3C1B0F	2F191320	3D042F18
(200)	36073320	2F182931	07242F18	20332C19	2F181C3A	37362F18	0B301532	2F180703	0E262F18	081D2507
(240)	103C3400	0000110C	33000000	113E1C22	3C101016	0CCCC000	2F21041D	0F172F1B	38230008	2F1BCA28
(280)	2B292F1A	3327081E	2F1A0E0D	31302F1A	01280E3C	2F193A3C	22252F19	2224080A	2F19013F	072C2F18
(320)	34121622	2F182224	3ACB2F18	19212111	2F18122B	38152F18	05381809	2F180534	15312F18	0716010F
(360)	103C3400	0000110C	33000000	113E1C23	3C10101C	0CCCC000	2F213933	03282F20	082B2624	2F1B1101
(400)	34212F1A	2B182C30	2F1A0E0D	31302F19	3E070A05	2F193D2A	0C332F19	25040230	2F19143B	3F2C2F19
(440)	05260E1F	2F18340D	13372F18	26172339	2F181C3A	37362F18	071E1220	2F180534	15312F18	060C352C
(480)	103C3400	0000110C	33000000	113E1C24	3C10101D	0CCCC000	2F201F14	1E0C2F1B	3E0E3234	2F1B1F34
(520)	0C362F1A	3B3A3B32	2F1A2314	062C2F1A	07103D17	2F19271B	25262F19	23331D16	2F19161C	2B272F18
(560)	3C35102A	2F182632	1C162F18	1A1B3D21	2F18132A	15382F18	05381809	2F180703	0E262F18	0716010F
(600)	103C3400	0000110C	33000000	113E1C25	3C10101E	0CCCC000	2F210035	041A2F1B	2F3A1002	2F1B0D3A
(640)	10092F1A	3C062C09	2F1A1939	0D322F19	3E070A05	2F193603	2C032F19	23331D16	2F183D23	153A2F18
(680)	2F1E0D3A	2F182134	012B2F18	19212111	2F181838	1C3C2F18	16242A2F	2F181D3C	111C2F18	1A3B383B
(720)	103C3400	0000110C	33000000	113E1C26	3C10101F	0CCCC000	2F2124CC	1F182F1B	3D19393F	2F1B1E21
(760)	0E2F2F1A	32331C13	2F1A103F	29062F19	3F191307	2F192314	19002F19	12030A3D	2F190726	050A2F18
(800)	34121622	2F181E22	28362F18	19212111	2F181619	38142F18	0B301532	2F180D1F	280C2F18	0923332C
(840)	103C3400	0000110C	33000000	113E1C27	3C101024	0CCCC000	2F201F14	1E0C2F1B	3A283E27	2F1B240E
(880)	0E072F1B	092B181D	2F1A220F	2B182F1A	0B37273E	2F193D2A	0C332F19	2C092E2D	2F190500	162C2F18
(920)	32103920	2F182134	012B2F18	17263A28	2F181521	2D3D2F18	083E1A06	2F180B20	273F2F18	081D2507
(960)	103C3400	0000110C	33000000	113E1C28	3C101024	2CCCC000	2F21060C	313F2F1B	3B273315	2F1B203F
(1000)	3A3D2F1A	38160E10	2F1A180C	15342F19	3B102500	2F192B2E	1D072F19	16223900	2F183D23	153A2F18
(1040)	2E2F1230	2F182C0E	26132F18	182423CD	2F18171C	142C2F18	CD03030A	2F18CB20	273F2F18	0C253D1D
(1080)	103C3400	0000110C	33000000	113E1C29	3C101025	0CCCC000	2F2133CF	08032F20	16021401	2F1BCD3A
(1120)	10092F1A	2A1F2A38	2F1A1619	05272F19	32050D1E	2F191D20	1D0B2F19	100310A	2F19120B	2B362F18
(1160)	3C35102A	2F182733	342A2F18	18242300	2F181228	38152F18	040C2532	2F180534	15312F18	060C352C
(1200)	103C3400	0000110C	33000000	113E1C2A	3C101025	2CCCC000	2F201C1D	053E2F1B	32023527	2F1B230B
(1240)	211F2F1B	33090C33	2F1A3500	26362F1A	14393138	2F193C32	020E2F19	2C2E2D34	2F190929	210E2F18
(1280)	371B250C	2F18210C	08062F18	17260A28	2F181521	2D3D2F18	0B301532	2F180917	29CE2F18	0716010F
(1320)	103C3400	0000110C	33000000	113E1C2B	3C101026	0CCCC000	2F210D0A	14372F1B	36143434	2F1B150C
(1360)	24132F1B	003C2828	2F1A1229	3B382F1A	0A073632	2F193C07	341B2F19	23331D16	2F19013F	072C2F18
(1400)	3C393315	2F18250E	26132F18	1A1B3D21	2F181521	2D3D2F18	0F1D3D39	2F180A1D	1C3E2F18	0923332C
(1440)	103C3400	0000110C	33000000	113E1C2C	3C101026	2CCCC000	2F212604	372B2F20	01052009	2F1B1D05
(1480)	3406 2F1A	3504 0B20	2F1A1229	3B382F19	380B1A06	2F191B3D	001B2F19	162239CA	2F191B13	143B2F18
(1520)	3F230F18	2F182931	07242F18	2314122F	2F181F2C	231E2F18	122F1727	2F180A1D	1C3E2F18	060C352C
(1560)	103C3400	0000110C	33000000	113E1C2D	3C101027	0CCCC000	2F201D2A	053C2F1B	36143434	2F1B1938
(1600)	26152F1A	3D1C1E1B	2F1A2426	06032F1A	0D182037	2F1A003E	130A2F19	3317121F	2F190726	050A2F18
(1640)	3C393315	2F182224	3AC82F18	1C3F0219	2F181B0B	1AC82F18	152B2310	2F18113B	130A2F18	0C253D1D
(1680)	103C3400	0000110C	33000000	113E1C2E	3C101027	2CCCC000	2F21060C	313F2F1B	2F3A1002	2F1B0C11
(1720)	0B382F1A	3327081E	2F1A1B3D	15322F1A	06133738	2F192828	23182F19	1E3D3C10	2F183F17	0C262F18
(1760)	2C190511	2F181E22	28362F18	18242300	2F181619	38142F18	0F1D3D39	2F18100F	1F252F18	0F143F1E
(1800)	103C3400	0000110C	33000000	113E1C2F	3C101020	0CCCC000	2F2133CF	08032F20	04020600	2F1B1938
(1840)	26152F1A	3327081E	2F1A0F0B	15182F19	392E330C	2F19261B	33302F19	16223900	2F191E10	2F232F19
(1880)	01092838	2F182931	07242F18	1B12393B	2F18192A	141C2F18	13300D23	2F180F15	1F192F18	0B281D0B
(1920)	103C3400	0000110C	33000000	113E1C30	3C101020	1CCCC000	2F2022CC	23312F1B	32023527	2F1B1E21
(1960)	0E2F2F1B	1B2B3A28	2F1A3A30	2C262F1A	133C063F	2F1A0B3E	383E2F19	34123F2B	2F190500	162C2F18
(2000)	3300D032	2F181F19	220B2F18	17260A28	2F181521	2D3D2F18	0B301532	2F180B0E	3E3B2F18	0716010F
(2040)	103C3400	0000110C	33000000	113E1C31	3C101020	2CCCC000	2F21092A	16382F1B	32023527	2F1B1333
(2080)	282F2F1A	371A3907	2F1A131A	210F2F19	3503 2E0B	2F193C32	020E2F19	26152411	2F190402	22222F18
(2120)	3A0F1A3C	2F18340D	13372F18	26172339	2F181A1C	0E262F18	0D03030A	2F180B0E	3E3B2F18	0716010F
(2160)	103C3400	0000110C	33000000	113E1C32	3C101020	3CCCC000	2F213F2C	2F332F20	240C1C19	2F1B0904
(2200)	231C2F1A	2B182C30	2F1A131A	210F2F19	332229CE	2F191A09	17312F19	0E160420	2F191928	1D182F18
(2240)	3E0E312E	2F182B37	20242F18	1D322F03	2F181619	38142F18	05381809	2F180421	222A2F18	060C352C

(2360)	36 73320	2F183 01F	1CCD2F18	28CD2E3F	2F181D38	332C2F18	0A192610	2F180534	15312F18	0609352C

FILE 1 RECORD 5667 LENGTH 2160BYTES

(0)	103C3C00	0000101F	C0000000	12061B2B	2F0C120E	3A2A1C00	2F213623	20382F20	16021401	2F1B3618
(40)	1E172F1B	072E0A12	2F193817	153C2F19	29253E1F	2F191D20	1D0B2F19	383E1227	2F191B13	143B2F19
(80)	17021B26	2F190F33	123F2F19	3A3A3637	2F191501	22322F18	083E1A06	2F190C16	14222F18	2F233332
(120)	103C3C00	0000101F	C0000000	12061B2B	370C120E	3A2A2000	2F211D19	112C2F2C	182B061C	2F1B392D
(160)	143D2F1B	222C3932	2F1B0819	3D262F1A	1F32113D	2F1934CA	2B102F1A	0125082A	2F191B13	143B2F19
(200)	05260E1F	2F183F31	16262F19	331F160E	2F190B1C	14132F18	071E1220	2F190D17	091E2F18	2D182D1F
(240)	103C3C00	0000101F	C0000000	12061B2B	3F0C120E	3A2A3C00	2F213C37	0A022F21	2A1C1800	2F212B0B
(280)	23382F21	05092929	2F1B001F	3D032F1A	120B1FC2	2F193E21	02372F19	3F233D38	2F191D3B	27252F19
(320)	05260E1F	2F190109	1F1F2F19	261A37C2	2F190517	13CC2F18	10262229	2F191D00	30212F18	2F233332
(360)	103C3C00	0000101F	C0000000	12061B2C	070C120E	3A2B0C00	2F22353D	1C242F22	071F152B	2F211D2F
(400)	35222F1B	37150C29	2F1B0A1D	0C262F1A	041EC017	2F192314	19002F19	3317121F	2F19143B	3F2C2F19
(440)	022F0F07	2F183814	001D2F19	2B210C31	2F190B1C	14132F18	0E121322	2F191D00	30212F18	2F233332
(480)	103C3C00	0000101F	C0000000	12061B2C	0F0C120E	3A2B1C00	2F23053D	2F372F21	3417153E	2F2C1C13
(520)	151D2F1B	0E1F030D	2F1A1439	37292F1A	0128CE3C	2F193CC7	341B2F19	37222E29	2F190929	21CE2F19
(560)	040E0315	2F19032A	21172F1A	0A1B2D22	2F191F2C	0FCC2F18	152B2310	2F191D00	30212F18	2F233332
(600)	103C3C00	0000101F	C0000000	12061B2C	170C120E	3A2B2C00	2F22353D	1C242F21	10352834	2F1B3C29
(640)	34072F1B	092B181D	2F1A1802	15342F19	332229CE	2F191A28	05082F19	3D03280C	2F190E21	1F2A2F19
(680)	040E0315	2F19021B	113D2F1A	073A3F0A	2F1919C7	1C382F18	122F1727	2F190F0D	03052F18	333F1922
(720)	103C3C00	0000101F	C0000000	12061B2C	1F0C120E	3A2B3000	2F221E3D	1C3B2F20	320F2311	2F1B180E
(760)	34192F1A	2D0E1E1A	2F1A0200	0F0C2F19	3B1C250D	2F1A0314	1E3F2F19	3F233D38	2F191F24	263E2F19
(800)	022F0F07	2F18363E	1E1E2F19	3D162E3C	2F191501	22322F18	071E1220	2F190F0D	03052F18	2F233332
(840)	103C3C00	0000101F	C0000000	120a1B2C	270C120E	3A2C0C00	2F213C37	0A022F1B	3A283E27	2F1B1B21
(880)	3392F1A	3122B0D	2F1A3214	231C2F1A	1B390B0B	2F1A1F1E	25092F1A	0E290D1F	2F191B13	143B2F18
(920)	34121622	2F182224	3A0B2F19	3C071F00	2F190F2E	19C22F18	02193614	2F190F0D	03052F18	2F233332
(960)	103C3C00	0000101F	C0000000	12061B2C	2F0C120E	3A2C1000	2F220BC8	C11B2F21	183CC32D	2F21150F
(1000)	36222F20	252F1F36	2F1B0C23	053F2F1A	041E0017	2F192828	23182F19	3A3F330B	2F19161C	2B272F18
(1040)	353E0B0E	2F182102	0B062F19	36342622	2F190D22	0C142F18	02193614	2F190F0D	03052F18	333F1922
(1080)	103C3C00	0000101F	C0000000	12061B2C	370C120E	3A2C2000	2F223937	0F1F2F21	3B2CCC3E	2F211820
(1120)	18242F1B	190E223C	2F1A0200	0F0C2F19	380B1AC6	2F193603	2C032F19	36321934	2F191802	303C2F18
(1160)	34121622	2F182406	C51A2F19	31321604	2F19C72F	19262F18	040C2532	2F191034	262E2F18	36C2041C
(1200)	103C3C00	0000101F	C0C30000	12061B2C	3F0C120E	3A2C3000	2F23092A	16372F21	1D283D2E	2F2C1C13
(1240)	151D2F1B	1D0F0B0B	2F1A1229	3B382F19	3B1C250D	2F192D15	25302F19	34123F2B	2F19120B	2B362F18
(1280)	35382E2C	2F182931	07242F19	36342622	2F191030	231B2F18	040C2532	2F191125	1B232F18	31330210
(1320)	1C3C3C00	0000101F	C0C0C000	12061B2D	070C120E	3A2D0000	2F222E0C	243F2F20	3CCC193C	2F1B2F08
(1360)	34062F1A	31022B0D	2F1A1527	2C192F19	3B1C250D	2F19261B	33302F19	3A150C0A	2F190D0C	1C082F18
(1400)	3C351C2A	2F182D08	CF262F1A	01342206	2F19172A	3B2B2F18	083E1A06	2F191000	30212F18	31330210
(1440)	103C3C00	0000101F	C0000000	12061B2D	0F0C120E	3A2D1000	2F213623	20382F20	1B0E253E	2F1B3618
(1480)	1E172F1B	0E1F030D	2F1A0C0B	292C2F19	2F080600	2F192828	23182F19	3D351B07	2F191802	303C2F18
(1520)	3F230F18	2F183814	CC1D2F1A	14330D2B	2F191F2C	0FCC2F18	083E1A06	2F191000	30212F18	2F233332
(1560)	103C3C00	0000101F	C0000000	12061B2D	170C120E	3A2D2000	2F211E3F	180E2F20	0C173E14	2F1B2A0B
(1600)	1C0C2F1B	03090C33	2F1A3916	23032F1A	153DC032	2F193603	2C032F1A	05113E25	2F191D3B	27252F18
(1640)	3F230F18	2F18363E	1E1E2F1A	14330D2B	2F191F2C	0FCC2F18	083E1A06	2F191034	262E2F18	333F1922
(1680)	103C3C00	0000101F	C0000000	12061B2D	1F0C120E	3A2D3000	2F213003	3B182F21	23153518	2F211F1D
(1720)	2B282F20	2D11031A	2F1B1A05	283F2F1A	17033931	2F193C32	020E2F1A	0C211A21	2F190E21	1F2A2F18
(1760)	3C351C2A	2F183539	17262F1A	1C383C30	2F192A3F	03252F18	0B301532	2F191034	262E2F18	333F1922
(1800)	103C3C00	0000101F	C0000000	12061B2D	270C120E	3A2E0000	2F223003	29332F21	3B2CCC3E	2F211B3E
(1840)	1F1F2F1B	3A3F0A39	2F1B123C	22052F1A	13013731	2F1AC130	1E392F19	32181404	2F190B27	12162F18
(1880)	3A3F1A3C	2F183202	2E1D2F1A	12280732	2F191E29	34CC2F18	0B301532	2F191306	0B272F18	37353519
(1920)	103C3C00	0000101F	C0000000	12061B2D	2F0C120E	3A2E1000	2F23092A	16372F21	3FC3113A	2F2C2202
(1960)	3B282F1B	072E0A12	2F1A1939	0D322F19	32050D1E	2F193603	2C032F19	2C2E2D34	2F190101	3F1C2F18
(2000)	3527153C	2F182D08	CF262F1A	0C342834	2F19193A	09382F18	083E1A06	2F191336	051D2F18	391C391D
(2040)	103C3C00	0000101F	C0000000	120a1B2D	370C120E	3A2E2000	2F223B36	22272F21	1B183538	2F1B3029
(2080)	34072F1B	092B181D	2F1A1A3A	20092F19	3B1C250D	2F192B2E	1D072F19	2F073D15	2F193533	0CC02F19
(2120)	05260E1F	2F182F1C	0F122F1A	1C3B3C30	2F192917	11362F18	083E1A06	2F191216	1D2C2F18	36C2041C

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	5667	5668	2400	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

DUMP OF TAPE X208

77-102B-05A
D-34026
11/07/77 - 11/01/78

INPUT TAPE X208 ON MS5
DATA INPUT 07 FL 1 1 1

FILE 1 RECORD 77 LENGTH 2400BYTES

(0)	207464000000	207464000000	221500033730	211405000000	574232307627	574154264555	574075075456	573335171313
(48)	573214135154	573133030170	573115464714	573104134176	573057705036	573043657702	573025272761	573016174317
(96)	573011253241	572376062740	572377246711	573016352570	207464000000	211467000000	221500034330	211406000000
(144)	574267713355	574145074561	574005705207	573317464076	573224716751	573144560776	573114223314	573101407644
(192)	573062734243	573044736262	573025272761	573016174317	573007720731	572376062740	572377246711	573014457535
(240)	207464000000	211467000000	221500034730	211407000000	574256004477	574105417371	573337640066	573245647117
(288)	573170154607	573141750177	573116176455	573100640057	573061740761	573046774041	573025272761	573016174317
(336)	573011253241	572376062740	573000171226	573015425160	207464000000	211467000000	221500035330	211410000000
(384)	574227654652	574004020614	573340777275	573302012675	573205041344	573131663160	573117363174	573100057022
(432)	573056626723	573041414436	573020033561	573013241751	573011253241	572377155626	572377246711	573015425160
(480)	207464000000	211467000000	221500035730	211411000000	574155122412	574020657315	573315722011	573262633423
(528)	573206311273	573133030170	573114743310	573071416210	573056626723	573036777037	573021365107	573013241751
(576)	573011253241	572376062740	572377246711	573015425160	207464000000	211467000000	221500036330	211412000000
(624)	574171630350	574070715766	574010341017	574050407755	573344622353	573232503304	573145414056	573104134176
(672)	573057705036	573044736262	573022652771	573014642712	573007720731	572376062740	573000171226	573015425160
(720)	207464000000	211467000000	221500036730	211413000000	574260035163	574227167030	574122261723	573344027414
(768)	573230731403	573151457637	573115464714	573103425622	573060740753	573045767562	573026430131	573016174317
(816)	573011253241	572376062740	573000171226	573015425160	207464000000	211467000000	221500037330	211414000000
(864)	574305755767	574202272260	574023641152	573300745050	573207516001	573134244516	573120047542	573100640057
(912)	573066403445	573042552463	573030612343	573013241751	573011253241	572377155626	573000171226	573015425160
(960)	207464000000	211467000000	221500037730	211415000000	574264011125	574065446414	573345204412	573252375270
(1008)	573205041344	573134724103	573124207531	573102146533	573060740753	573044736262	573026430131	573016174317
(1056)	573011253241	572377155626	573000171226	573014457535	207464000000	211467000000	221500040330	211416000000
(1104)	574216451161	573376166264	573326517651	573266434732	573212003643	573144560776	573117363174	573074132711
(1152)	573055521764	573040225342	573025272761	573013241751	573012542026	572377155626	572376367224	573016352570
(1200)	207464000000	211467000000	221500040730	211417000000	574144143730	573377011226	573333416311	573247623715
(1248)	573230731403	573144560776	573116176455	573075002740	573056626723	573034155743	573016432710	573010024253
(1296)	573012542026	572376062740	572376367224	573016352570	207464000000	211467000000	221500041330	211420000000
(1344)	574132236020	574014277624	574016013015	574007720535	573356557214	573247000760	573145414056	573100640057
(1392)	573055521764	573042552463	573026430131	573016174317	573011253241	572376062740	572377246711	573016352570
(1440)	207464000000	211467000000	221500041730	211421000000	574216451161	574145074561	574114355724	573346624344
(1488)	573210666546	573145634663	573107700617	573100640057	573063671414	573041414436	573027534540	573016174317
(1536)	573011253241	572376062740	572377246711	573016352570	207464000000	211467000000	221500042330	211422000000
(1584)	574262036266	574143256530	574010341017	573327344267	573230731403	573134724103	573114743310	573075002740
(1632)	573057705036	573043657702	573025272761	573016174317	573007720731	572376062740	573000171226	573014457535
(1680)	207464000000	211467000000	221500042730	211423000000	574243201506	574077320204	573351174506	573250560672
(1728)	573167062774	573124102602	573113461250	573100057022	573066403445	573041414436	573025272761	573016174317
(1776)	573011253241	572376062740	573000171226	573015425160	207464000000	211467000000	221500043330	211424000000
(1824)	574213212560	574004020614	573342071376	573302012675	573217132533	573133030170	573114223314	573101407644
(1872)	573056626723	573040225342	573025272761	573013241751	573012542026	572377155626	572376367224	573016352570
(1920)	207464000000	211467000000	221500043730	211425000000	574142273751	574020657315	573312505351	573263471036
(1968)	573220066523	573144560776	573112121467	573103425622	573055521764	573040225342	573016432710	573013241751
(2016)	573011253241	572376062740	572376367224	573017247736	207464000000	211467000000	221500044330	211426000000
(2064)	574152425350	574051033306	574003364475	574012617216	573362743006	573252247276	573150504330	573102707523
(2112)	573062734243	573042552463	573026430131	573016174317	573007720731	572376062740	573000171226	573017247736
(2160)	207464000000	211467000000	221500044730	211427000000	574247461577	574222042737	574132164551	573352177044
(2208)	573232724011	573157100612	573120047542	573104134176	573056626723	573042552463	573027534540	573016174317
(2256)	573011253241	572376062740	573000171226	573015425160	207464000000	211467000000	221500045330	211430000000
(2304)	574304000120	574205567654	574034232535	573303111463	573202001714	573133030170	573107040722	573100640057
(2352)	573062734243	573042552463	573027534540	573014642712	573011253241	572374710076	573000171226	573016352570

FILE 1 RECORD 4307 LENGTH 1800BYTES

(0)	207470000000	201400000000	220765421206	221521332000	574305755767	574213236253	574137355350	573344027414
(48)	573226310547	573160503374	573117363174	573104134176	573066403445	573050714762	573032652141	573024343747
(96)	573016315451	573004144562	573014411251	573014457535	207470000000	201400000000	220765422206	221521334000
(144)	574315002013	574166223642	574026523512	573272475345	573207516001	573144560776	573131167122	573077264116
(192)	573065522262	573047757603	573031643122	573020710000	573012542026	572377155626	573011275116	573007260117
(240)	207470000000	201400000000	220765423206	221521336000	574260035163	574053714566	573353740566	573264264676
(288)	573167736441	573144230433	573124207531	573101407644	573064607175	573050714762	573032652141	573020710000

D-32696
12/01/77 - 12/12/77

DUMP OF TAPE X-208

INPUT TAPE X-208 ON MS6
DATA INPUT 07 FL 1 2 2

FILE 1 RECORD 1 LENGTH 1200BYTES

(0)	000115000517	151360000001	000242000271	000255000226	000111000067	000062000046	000030000331	000026000023
(48)	000025000016	000041000103	000115000517	151361000002	000235000241	000214000134	000130000077	000050000041
(96)	000030000030	000026000024	000024000021	000040000106	000115000517	151362000003	000277000265	000201000131
(144)	000113000064	000056000041	000042000035	000027000022	000023000013	000021000036	000115000517	151363000004
(192)	000243000274	000235000167	000121000074	000053000054	000037000041	000032000023	000037000043	000035000045
(240)	000115000517	151364000005	000234000243	000215000142	000112000100	000060000043	000041000033	000026000023
(288)	000023000014	000037000062	000115000517	151365000006	000275000264	000210000130	000116000067	000062000053
(336)	000035000024	000027000022	000023000014	000021000035	000115000517	151366000007	000233000271	000265000221
(384)	000122000065	000050000046	000031000024	000026000025	000033000016	000035000065	000115000517	151367000010
(432)	000231000244	000217000135	000116000073	000056000043	000041000037	000036000025	000033000024	000034000047
(480)	000115000517	151370000011	000275000264	000212000127	000115000071	000057000053	000032000031	000026000021
(528)	000023000014	000021000040	000115000517	151371000012	000244000272	000235000243	000117000074	000052000045
(576)	000033000027	000024000021	000022000020	000042000052	000115000517	151372000013	000234000244	000221000147
(624)	000125000111	000046000054	000035000031	000031000023	000023000017	000042000100	000115000517	151373000014
(672)	000277000266	000212000132	000122000075	000043000051	000041000033	000026000021	000022000013	000022000044
(720)	000115000517	151374000015	000242000257	000257000226	000131000064	000043000047	000036000032	000027000022
(768)	000023000021	000043000111	000115000517	151375000016	000235000243	000220000147	000133000072	000057000051
(816)	000043000032	000035000036	000055000102	000115000517	151376000017	000274000263	000212000131	000177000120
(864)	000121000057	000051000045	000034000026	000025000021	000023000016	000022000036	000115000517	151377000020
(912)	000235000271	000265000201	000137000076	000043000043	000033000031	000030000022	000023000017	000050000115
(960)	000115000517	151400000021	000225000242	000220000150	000125000057	000055000042	000035000030	000031000023
(1008)	000024000040	000031000062	000115000517	151401000022	000274000273	000213000126	000120000070	000057000053
(1056)	000030000024	000026000021	000022000015	000033000033	000115000517	151402000023	000236000272	000261000164
(1104)	000122000073	000052000052	000038000027	000030000022	000023000016	000044000072	000115000517	151403000024
(1152)	000234000243	000221000145	000111000063	000047000051	000032000032	000038000023	000024000026	000062000132

FILE 1 RECORD 2 LENGTH 1200BYTES

(0)	000115000517	151404000025	000275000266	000220000121	000103000062	000055000043	000032000025	000026000022
(48)	000026000025	000026000044	000115000517	151405000026	000232000255	000254000232	000151000103	000055000045
(96)	000033000030	000031000023	000024000021	000032000050	000115000517	151406000027	000233000242	000224000155
(144)	000114000066	000054000042	000035000030	000030000027	000035000024	000053000111	000115000517	151407000030
(192)	000276000264	000215000124	000111000073	000084000045	000027000024	000024000023	000022000014	000023000043
(240)	000115000517	151410000031	000236000262	000254000233	000146000101	000155000050	000131000030	000126000022
(288)	000024000040	000047000077	000115000517	151411000032	000233000241	000225000156	000107000062	000050000043
(336)	000035000030	000032000025	000026000017	000032000053	000115000517	151412000033	000276000266	000221000126
(384)	000105000065	000062000056	000031000030	000023000022	000022000015	000027000043	000115000517	151413000034
(432)	000242000266	000267000215	000137000110	000053000041	000035000031	000030000022	000027000016	000035000100
(480)	000115000517	151414000035	000246000242	000225000162	000073000070	000052000051	000037000032	000027000022
(528)	000022000017	000026000044	000115000517	151415000036	000301000272	000221000123	000115000064	000051000050
(576)	000032000027	000026000020	000021000014	000025000033	000115000517	151416000037	000234000264	000263000221
(624)	000135000115	000054000045	000032000031	000025000023	000022000017	000031000056	000115000517	151417000040
(672)	000235000243	000226000157	000112000064	000061000052	000040000033	000033000026	000033000017	000025000054
(720)	000115000517	151420000041	000276000272	000222000127	000103000056	000051000052	000034000024	000025000022
(768)	000024000014	000031000027	000115000517	151421000042	000226000245	000261000250	000155000104	000042000047
(816)	000036000034	000037000033	000041000024	000047000064	000115000517	151422000043	000237000240	000226000162
(864)	000103000075	000062000046	000045000032	000027000022	000023000014	000032000057	000115000517	151423000044
(912)	000277000303	000226000137	000102000070	000057000051	000044000042	000032000023	000023000013	000021000040
(960)	000115000517	151424000045	000232000246	000236000237	000140000105	000060000046	000033000031	000030000024
(1008)	000026000016	000041000104	000115000517	151425000046	000242000237	000223000163	000133000100	000057000046
(1056)	000033000031	000030000022	000021000015	000037000046	000115000517	151426000047	000231000273	000226000138
(1104)	000117000064	000060000046	000033000025	000026000024	000025000014	000056000056	000115000517	151427000050
(1152)	000221000246	000257000253	000174000100	000061000042	000030000030	000030000025	000024000014	000053000053

FILE 1 RECORD 7346 LENGTH 1200BYTES

(0)	000115000532	064542037045	000222000217	000226000155	000155000126	000103000064	000054000051	000044000036
(48)	000042000027	000037000037	060115000532	064543037046	000240000227	000177000114	000107000102	000073000065
(96)	000055000053	000055000056	000065000055	000062000053	000115000532	064544037047	000222000233	000212000144

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(  240)  000115000532  064546037051  000257000255  000244000132  000145000133  000121000117  000113000106  000100000062
(  288)  000047000025  000034000031  000115000532  064547037052  000253000264  000241000177  000160000156  000135000124
(  336)  000131000072  000065000054  000046000026  000034000031  000115000532  064553037053  000251000237  000207000163
(  384)  000162000133  000120000113  000076000072  000070000060  000052000033  000041000035  000115000532  064551037054
(  432)  000251000242  000235000140  000145000136  000112000103  000065000062  000061000061  000065000051  000050000042
(  480)  000115000532  064552037055  000244000254  000236000172  000164000152  000133000113  000073000066  000063000054
(  528)  000056000045  000053000050  000115000532  064553037056  000244000234  000220000164  000141000141  000120000112
(  576)  000100000066  000060000050  000047000036  000045000042  000115000532  064554037057  000256000252  000217000142
(  624)  000145000127  000124000112  000104000102  000102000072  000067000046  000045000037  000115000532  064555037060
(  672)  000233000245  000233000173  000156000142  000130000122  000100000075  000070000054  000045000026  000035000031
(  720)  000115000532  064556037061  000234000231  000216000163  000153000146  000127000116  000117000113  000104000064
(  768)  000047000025  000034000031  000115000532  064557037062  000266000265  000212000130  000131000126  000117000111
(  816)  000072000075  000071000061  000054000034  000041000034  000115000532  064560037063  000251000262  000237000164
(  864)  000154000141  000126000115  000075000070  000065000060  000052000033  000041000035  000115000532  064561037064
(  912)  000241000235  000213000155  000143000131  000120000107  000105000107  000104000066  000054000034  000042000036
(  960)  000115000532  064562037065  000265000264  000214000132  000141000126  000113000101  000072000067  000060000046
( 1008)  000042000024  000034000031  000115000532  064563037066  000247000254  000224000165  000153000150  000132000121
( 1056)  000104000101  000073000057  000046000025  000034000030  000115000532  064564037067  000245000231  000210000154
( 1104)  000136000127  000120000120  000103000100  000075000062  000050000025  000033000031  000115000532  064565037070
( 1152)  000261000256  000203000123  000127000117  000114000101  000100000101  000079000054  000046000026  000034000031

FILE      1  RECORD     7347  LENGTH     1200BYTES
(    0)  000115000532  064566037071  000241000256  000234000162  000147000135  000130000113  000104000104  000073000054
(   48)  000044000025  000034000031  000115000532  064567037072  000231000227  000211000150  000141000115  000104000107
(   96)  000065000072  000064000045  000043000033  000036000032

          FILE   INPUT     DATA RECORDS     MAX.          READ ERROR SUMMARY          INPUT RETRIES
                 RECS.       INPUT         SIZE      PERM  ZERO B   SHORT  UNDEF.   #RECS.  TOTAL#
             1    7347       7349          1200         2      3       3      2        0       0

EOJ       DUMP STOPPED AFTER FILE   1          # OF PERMANENT READ ERRORS

START TIME 11/29/78  14:44:03        STOP TIME 11/29/78  14:48:54

$$
```

ISEE-2

PLASMA DENSITY DATA

77-102B-06A SPMS-00112

This data set has been restored. There were originally two 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tapes were created on a IBM 360 computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03833	DS03833	D34153	1-9	11/04/77 - 12/21/77
		D35093	10-15	11/03/77 - 11/20/77

* NOTE: Time spans not sequential

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2651	MJT

ISEE 2

PLASMA DENSITY DATA ON TAPE

77-102B-06A

This data set catalog consists of 2 data tapes. The tapes are 9 track, 1600 BPI, ~~EBCDIC~~ BINARY and are multifiled.

Time span is as follows;

D#	C#	FILES	TIME SPAN
D-34153	C-20661	9	11/04/77 - 12/21/77
D-35093	C-20698	6	11/03/77 - 11/20/77

D-35093
11/03/72-11/20/72

DUMP OF TAPE X-409

INPUT TAPE X-409 ON MS2
DATA INPUT H9 NF 6 FL 1 1 1 SR 6 1 1 SR 6 LAST 1

FILE 1 RECORD 1 LENGTH 1944BYTES

(0)	40C4C5E2	D7C140C8	C1C4F0F4	40D4C7D7	404UF14C	C3C4C1E6	40F7F94C	F3F1F1F7	F7F3F5F5	404CF3F6
(40)	F440FCF3	F0F7F2F6	F7F6F0F7	F0F940F3	F1F1F7F7	F3F5F540	40F3F6F6	4CF0F3F0	F7F2F6F7	F6F0F9F5
(80)	F94 F3F1	F1F7F7F3	F5F54040	F3F3F940	F0F3F0F7	F2F6F7F6	F140F8F4	4 F3F1F1	F7F7F3F5	F54040F3
(120)	F8F040FC	F3F0F7F2	F6F7F6F1	F2F F940	F3F1F1F7	F7F3F5F5	4040F2F5	F540F0F3	F0F7F2F6	F7F6F1F4
(160)	F5F940F3	F1F1F7F7	F3F5F540	40F3F7F0	40F0F3FC	F7F2F6F7	F6F1F5F8	F440F3F1	F1F7F7F3	F5F54040
(200)	F3F5F740	F F3F F7	F2F6F7F6	F1F7F F9	40F3F1F1	F7F7F3F5	F54040F3	F3F940F0	F3F0F7F2	F6F7F6F1
(240)	F8F3F440	F3F1F1F7	F7F3F5F5	4040F3F3	F840F0F3	FCF7F2F6	F7F6F2F4	F5F940F3	F1F1F7F7	F3F5F540
(280)	40F3F1F6	40F0F3F0	F7F2F6F7	F6F2F8F3	F440F3F1	F1F7F7F3	F5F54040	F3F4F840	F0F3F0F7	F2F6F7F6
(320)	F340F8F4	40F3F1F1	F7F7F3F5	F5404CF2	F9F940FC	F3FCF7F2	F6F7F6F3	F2F0F94C	F3F1F1F7	F7F3F5F5
(360)	4040F3F4	F540F0F3	FCF7F2F6	F7F6F3F3	F3F440F3	F1F1F7F7	F3F5F540	4CF3F3F3	40FCF3F0	F7F2F6F7
(400)	F6F3F4F5	F940F3F1	F1F7F7F3	F5F540 40	F3F4F740	FCF3F0F7	F2F6F7F6	F3F9F5F9	40F3F1F1	F7F7F3F5
(440)	F5404CF3	F4F440FD	F3F0F7F2	F6F7F6F4	40F8F44C	F3F1F1F7	F7F3F5F5	4040F3F6	F340F0F3	FCF7F2F6
(480)	F7F6F4F2	F0F940F3	F1F1F7F7	F3F5F540	40F3F2F7	4CFCF3F0	F7F2F6F7	F6F4F5F8	F440F3F1	F1F7F7F3
(520)	F5F54040	F3F2F940	F0F3F0F7	F2F6F7F6	F4F7F F9	4CF3F1F1	F7F7F3F5	F5404CF3	F1F440F0	F3F F7F2
(560)	F6F7F6F4	F9F5F940	F3F1F1F7	F7F3F5F5	4040F3FC	F44CF0F3	F0F7F2F6	F7F6F5F4	F5F940F3	F1F1F7F7
(600)	F3F5F540	40F2F9F8	40F0F3F0	F7F2F6F7	F6F5F5F8	F44CF3F1	F1F7F7F3	F5F54040	F3F4F240	F0F3F0F7
(640)	F2F6F7F6	F640F8F4	4CF3F1F1	F7F7F3F5	F5404CF2	FFF340F0	F3FCF7F2	F6F7F6F6	F2F F940	F3F1F1F7
(680)	F7F3F5F5	4040F2F8	F340F0F3	F0F7F2F6	F7F6F6F4	F5F940F3	F1F1F7F7	F3F5F540	40F2F9F1	40F0F3F0
(720)	F7F2F6F7	F6F6F9F5	F940F3F1	F1F7F7F3	F5F5404C	F2F8F240	F0F3F0F7	F2F6F7F6	F740F8F4	40F3F1F1
(760)	F7F7F3F5	F5404CF2	F6F740F0	F3F F7F2	F6F7F6F7	F2FCF940	F3F1F1F7	F7F3F5F5	4040F2F9	F540F0F3
(800)	F0F7F2F6	F7F6F7F3	F3F440F3	F1F1F7F7	F3F5F540	4CF3F0F1	40F0F3F0	F7F2F6F7	F6F7F5F8	F440F3F1
(840)	F1F7F7F3	F5F54040	F2F9F040	F0F3F0F7	F2F6F7F6	F7F7F0F9	40F3F1F1	F7F7F3F5	F54040F2	F8F740F0
(880)	F3F0F7F2	F6F7F6F7	F8F3F440	F3F1F1F7	F7F3F5F5	4C4CF2F8	F340F0F3	F0F7F2F6	F7F6F7F9	F5F940F3
(920)	F1F1F7F7	F3F5F540	40F2F7F7	40F F3F0	F7F2F6F7	F6F840F8	F440F3F1	F1F7F7F3	F5F54040	F2F5F940
(960)	F0F3F0F7	F2F6F7F6	F8F2F0F9	40F3F1F1	F7F7F3F5	F54040F3	F0F140F0	F3F0F7F2	F6F7F6F8	F4F5F940
(1000)	F3F1F1F7	F7F3F5F5	4C40F3F0	F140F0F3	F0F7F2F6	F7F6F8F5	F8F440F3	F1F1F7F7	F3F5F540	40F2F9F8
(1040)	4 F F3F	F7F2F0F7	F6F8F7F0	F940F3F1	F1F7F7F3	F5F54040	F2F9F240	F0F3F0F7	F2F6F7F6	F940F8F4
(1080)	40F3F1F1	F7F7F3F5	F540 40F3	F2F740F0	F3F F7F2	F6F7F6F9	F2F0F940	F3F1F1F7	F7F3F5F5	4040F3F2
(1120)	F740F0F3	F0F7F2F6	F7F6F9F3	F3F440F3	F1F1F7F7	F3F5F540	4CF3F1F4	40F0F3F0	F7F2F6F7	F6F9F4F5
(1160)	F940F3F1	F1F7F7F3	F5F54040	F3F2F440	F0F3F0F7	F2F6F7F6	F9F5F8F4	4CF3F1F1	F7F7F3F5	F54040F3
(1200)	F F840F	F3F F7F2	F6F7F6F9	F7F F940	F3F1F1F7	F7F3F5F5	4040F3F3	F140F0F3	F0F7F2F6	F7F7F040
(1240)	F8F440F3	F1F1F7F7	F3F5F54C	40F3F4F1	40F F3F0	F7F2F6F7	F7F0F2F0	F940F3F1	F1F7F7F3	F5F54040
(1280)	F3F4F540	F0F3F0F7	F2F6F7F7	F0F7F0F9	40F3F1F1	F7F7F3F5	F54040F3	F3F340F0	F3F0F7F2	F6F7F7F0
(1320)	F8F3F440	F3F1F1F7	F7F3F5F5	4040F3F3	F340F0F3	FCF7F2F6	F7F7F0F9	F5F94CF3	F1F1F7F7	F3F5F540
(1360)	4 F3F3F9	4 F F3F0	F7F2F6F7	F7F14 F8	F44 F3F1	F1F7F7F3	F5F54040	F3F4F140	F0F3F0F7	F2F6F7F7
(1400)	F1F4F6F0	40F3F1F1	F7F7F3F5	F54 4 F3	F4F440F0	F3FCF7F2	F6F7F7F1	F5F8F540	F3F1F1F7	F7F3F5F5
(1440)	4C40F3F3	F940F0F3	F0F7F2F6	F7F7F1F7	F1F040F3	F1F1F7F7	F3F5F54C	40F3F6F8	40F0F3F0	F7F2F6F7
(1480)	F7F1F8F3	F54 F3F1	F1F7F7F3	F5F54 40	F3F4F54C	FCF3F0F7	F2F6F7F7	F2F2F1F0	40F3F1F1	F7F7F3F5
(1520)	F54 4CF3	F8F24 F0	F3F F7F2	F6F7F7F2	F9F6F 40	F3F1F1F7	F7F3F5F5	4 40F3F6	F04 F0F3	F0F7F2F6
(1560)	F7F7F340	F8F54CF3	F1F1F7F7	F3F5F540	40F3F8F5	4CFCF3F0	F7F2F6F7	F7F3F2F1	F04 F3F1	F1F7F7F3
(1600)	F5F54040	F3F0F 40	F0F3F0F7	F2F0F7F7	F3F3F3F5	4CF3F1F1	F7F7F3F5	F54040F3	F9F140F0	F3F F7F2
(1640)	F6F7F7F3	F4F6F 40	F3F1F1F7	F7F3F5F5	404 F3F7	F9 7F0F3	F0F7F2F6	F7F7F3F8	F3F540F3	F1F1F7F7
(1680)	F3F5F54C	4 F3F0F8	4CF0F3F0	F7F2F6F7	F7F3F9F6	F04CF3F1	F1F7F7F3	F5F54 40	F3F6F64C	F0F3F0F7
(1720)	F2F6F7F7	F440F8F5	40F3F1F1	F7F7F3F5	F5404CF3	F5F140F0	F3F0F7F2	F6F7F7F4	F2F1F040	F3F1F1F7
(1760)	F7F3F5F5	4040F3F2	F64 F0F3	F0F7F2F6	F7F7F4F4	F6FC40F3	F1F1F7F7	F3F5F540	40F3F5F9	40F0F3F0
(1800)	F7F2F6F7	F7F4F5F8	F540F3F1	F1F7F7F3	F5F54 40	F3F7F140	F0F3F0F7	F2F6F7F7	F5F5F8F5	40F3F1F1
(1840)	F7F7F3F5	F540 40F3	F7F840F0	F3F F7F2	F6F7F7F5	F5F6F040	F3F1F1F7	F7F3F5F5	4040F3F9	F340F0F3
(1880)	F0F7F2F6	F7F7F040	F8F540F3	F1F1F7F7	F3F5F540	4CF3F9F6	40F0F3F0	F7F2F6F7	F7F6F2F1	F040F3F1
(1920)	F1F7F7F3	F5F54 40	F4F F940	F0F3F F7	F2F6F7F7	F6F3F3F5				

FILE 1 RECORD 2 LENGTH 1 26BYTES

(0)	40F3F1F1	F7F7F3F7	F540F0F5	F9F54 F0	F3F F7F2	F8F8F3F2	F7F6F240	F3F1F1F7	F7F3F7F5	4C40F6F0
(40)	F44 FCF3	F0F7F2F8	F8F3F2F8	F8F74 F3	F1F1F7F7	F3F7F540	40F6FCF4	40F0F3F0	F7F2F8F8	F3F340F1
(80)	F24 F3F1	F1F7F7F3	F7F540 40	F6F F940	F0F3F0F7	F2F8F8F3	F3F1F3F7	4 F3F1F1	F7F7F3F7	F540 40F5
(120)	F8F940F0	F3F F7F2	F8F3F3F3	F2F6F240	F3F1F1F7	F7F3F7F5	4C40F5F9	F84 F0F3	F0F7F2F8	F8F3F3F3
(160)	F8F740F3	F1F1F7F7	F3F7F540	40F9F4F5	4CF0F3F0	F7F2F8F8	F3F3F5F1	F240F3F1	F1F7F7F3	F7F54040
(200)	F5F8F24	F0F3F F7	F2F8F8F3	F4F2F6F2	4 F3F1F1	F7F7F3F7	F540 40F5	F8F940F0	F3F0F7F2	F8F8F3F4

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(  1680)  F3F6F040  F1F2F1F2  40FCF3F2  F440F3F2  F1F2F3F4  F6F2FCF1  F1F7F7F3  F6FC40F1  F1F8F540  FCF3F2F4
(  1720)  4CF3F2F1  F2F4F7F1  F2FCF1F1  F7F7F3F6  FC4CF1F1  F7F340FC  F3F2F440  F3F2F1F2  F5F9F7F2  FCF1F1F7
(  1760)  F7F3F6FC  40F1F1F7  F540FCF3  F2F440F3  F2F1F2F7  F2F2F2FC  F1F1F7F7  F3F6FC40  F1FCF9F3  40FCF3F2
(  1800)  F440F3F2  F1F340F9  F7F2FCF1  F1F7F7F3  F6FC40F1  FCF8FC40  FCF3F2F4  40F3F2F1  F3F2F2F2  F2FCF1F1
(  1840)  F7F7F3F6  FC40F1FC  F5F340FC  F3F2F440  F3F2F1F3  F3F4F7F2  FCF1F1F7  F7F3F6FC  4040F9F3  F640FCF3
(  1880)  F2F440F3  F2F1F3F8  F4F7F2FC  F1F1F7F7  F3F6FC40  40F9F1F9  40FCF3F2  F440F3F2  F1F3F9F7  F2F2FCF1
(  1920)  F1F7F7F3  F6FC4040  F8F9F240  FCF3F2F4  40F3F2F1  F440F9F7

FILE       6  RECORD       34  LENGTH      756BYTES
(     0)  F2FCF1F1  F7F7F4F1  F840FCF1  FCF440FC  F3F2F440  F8F3FCF6  F3F4F4F2  FCF1F1F7  F7F4F1F8  4040FCF9
(    40)  F54CFCF3  F2F440FC  F8F3FCF6  F4F6F9F2  F0F1F1F7  F4F1F840  40F1FCF8  40FCF3F2  F440F8F3  FCF6F5F9
(    80)  F4F2FCF1  F1F7F7F4  F1F84040  F1F1F84C  FCF3F2F4  40F2F3FC  F6F7F1F9  F2FCF1F1  F7F7F4F1  F840FCF1
(   120)  F4F040FC  F3F2F440  F8F3FCF6  F8F4F4F2  FCF1F1F7  F7F4F1F8  4040F1F2  F540FCF3  F2F440F8  F3FCF7F5
(   160)  F9F4F2FC  F1F1F7F7  F4F1F840  4040F9F8  40FCF3F2  F440F8F3  FCF7F7F1  F9F2FCF1  F1F7F7F4  F1F84040
(   200)  F1F1F340  FCF3F2F4  40F8F3FC  F7F8F4F4  F2FCF1F1  F7F7F4F1  F840FCF1  FCF040FC  F3F2F440  F8F3FCF7
(   240)  F9F6F9F2  FCF1F1F7  F7F4F1F8  4040F1F1  F640FCF3  F2F440F8  F3FCF840  F9F4F2FC  F1F1F7F7  F4F1F840
(   280)  40F1F5F4  4CF3F2F2  F440F8F3  FCF8F3F4  F4F2FCF1  F1F7F7F4  F1F8404C  F1F5F740  FCF3F2F4  40F8F3FC
(   320)  F8F3F9F4  F2FCF1F1  F7F7F4F1  F840F4F1  F1F340FC  F3F2F440  F8F3FCF8  F9F6F9F2  FCF1F1F7  F7F4F1F8
(   360)  4040F1FC  F740FCF3  F2F440F8  F3FCF940  F9F4F2FC  F1F1F7F7  F4F1F840  4040F9F5  40FCF3F2  F440F8F3
(   400)  FCF9F2F1  F9F2FCF1  F1F7F7F4  F1F84040  F1FCF740  FCF3F2F4  40F8F3FC  F9F3F4F4  F2FCF1F1  F7F7F4F1
(   440)  F84040F1  F1F140FC  F3F2F440  F8F3FCF9  F4F6F9F2  FCF1F1F7  F7F4F1F8  4040F1F1  F84CFCF3  F2F440F8
(   480)  F3FCF9F5  F9F4F2FC  F1F1F7F7  F4F1F840  4040F9F6  40FCF3F2  F440F8F3  FCF9F7F1  F9F2FCF1  F1F7F7F4
(   520)  F1F84040  F1F2FC40  FCF3F2F4  40F8F3F1  FCF3F4F4  F2FCF1F1  F7F7F4F1  F84040F1  F2F140FC  F3F2F440
(   560)  F8F3F1FC  F4F6F9F2  FCF1F1F7  F7F4F1F8  4040F1F1  F340FCF3  F2F440F8  F3F1FCF5  F9F4F2FC  F1F1F7F7
(   600)  F4F1F84C  40F1F2F3  40FCF3F2  F440F8F3  F1FCF7F1  F9F2FCF1  F1F7F7F4  F1F84040  F1F2F340  FCF3F2F4
(   640)  40F8F3F1  FCF8F4F4  F2FCF1F1  F7F7F4F1  F840F40F1  F1F840FC  F3F2F440  F8F3F1FC  F9F6F9F2  FCF1F1F7
(   680)  F7F4F1F8  4040F1F2  F140FCF3  F2F440F8  F3F1F140  F9F4F2FC  F1F1F7F7  F4F1F840  40F1F1F6  40FCF3F2
(   720)  F440F8F3  F1F1F2F1  F9F2FCF1  F1F7F7F4  F1F84C40  F1F1F240  FCF3F2F4  40F8F3F1  F1F3F4F4

        FILE   INPUT     DATA RECORDS      MAX.          READ ERROR SUMMARY              INPUT RETRIES
               RECS.        INPUT          SIZE      PERM   ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
          6      34         35             1944        0       0       0       0       0       0

EOJ          DUMP STOPPED AFTER FILE   6          # OF PERMANENT READ ERRORS   0

START TIME 10/01/79  13:18:04          STOP TIME 10/01/79  13:18:3C

3$
REW LO
```

DUMP OF TAPE X-216

D-34153

11/04/77 - 12/21/77

INPUT TAPE X-216 ON MS1
DATA INPUT H9 NF 9 FL 1 1 1 SR 9 1 1 SR 9 LAST 1

FILE 1 RECORD 1 LENGTH 1944BYTES										
(0)	40C4C5E2	D7C140C8	C1C4E0F3	40E4C9D3	E24BF14C	C3C8C1E6	4DF7F94C	F4F1F1F7	F7F3F1F4	4C4.F4F9
(40)	F040F1F3	F0F840F3	F3E4F940	F6F4F5F0	F1F1F7F7	F3F4F840	F1F24CF4	4CF1F3F3	F4F2F5F3	F3F64CF5
(80)	F6F3F0F1	F1F7F7F3	F4F840F1	F24.F14C	F1F3F3F4	F2F5F5F3	F3F3F3F8	4.F4F1F1	F7F7F3F1	F44.4.F5
(120)	40F140F1	F3F0F840	E3E3E4E9	E1E8E94C	F4F1F1F7	F7E3E1F4	4C4.F54	F24CF1F3	F0F54.F2	F2F4F9F3
(160)	F1F440F4	F1F1F7F7	F3F1F440	4DF3F7F6	40F1F3F0	F840F3F3	F5F0F1F8	F940F4F1	F1F7F7F3	F1F44C4C
(200)	F3F4F840	F1F3F0F8	4CF3E3E5	F0F3E1E4	4CF64F1F1	F7E7E3E1	F44040E3	F2F440F1	F3F0F84C	F3F3F5F1
(240)	F4F3F940	F4F1F1F7	F7F3F1F4	4D4CF3F2	F04.F1F3	F0F84CF3	F3F5F0F5	F6F44.F4	F1F1F7F7	F0F1F44.
(280)	40F3F1F7	40F1F3F0	F840F3F3	F5F0F6F8	F940F4F1	F1F7F7F3	F1F44040	F2F9F94C	F1F2F0F0	4.F3F5F5
(320)	F0F8F1F4	40F4F1F1	F7F7F3F1	F440F1F0	F9F840F1	F3F0F840	F3F5F5F0	F0F3F940	F4F1F1F7	F7F3F1F4
(360)	4C4CF3F5	F54CF1F3	F0F840F3	F3F5F1F6	F8F940F4	F1F1F7F2	F3F1F44.	4.F3F5F5	4.F1F3F.	F0F4.F3F5
(400)	F5F1F8F1	F44CF4F1	F1F7F7F3	F1F44040	F3F3F740	F1F3F0F8	4.F3F5F5	F1F9F3F9	4.F4F1F1	F2F7F3F1
(440)	F44040F3	F4F140F1	F3F0F840	F3F3F5F2	40F0F44C	F4F1F1F7	F7F3F1F4	4C40F3F2	F74CF1F3	F0F.4CF3
(480)	F3F5F2F1	F8F94CF4	F1F1F7F7	F3F1F44C	4CF34CF3	4CF1F3F.	F84.F3F3	F5F2F3F1	F44CF4F1	F1F7F7F5
(520)	F1F44C4C	F2F1F04C	F1F3F0F8	4CF3F3F5	F2F4F3F9	4CF4F1F1	F7F7F3F1	F44C4.F2	F7F54.F1	F7F.F24
(560)	F3F3F5F2	F9F3F940	F4F1F1F7	F7F3F1F4	4D4CF2F7	F54CF1F3	F0F840F3	F3F5F34C	F6F44CF4	F1F1F7F7
(600)	F3F1F440	40F2F7F2	40F1F3F0	F840F3F3	F5F3F1F8	F94CF4F1	F1F7F7F3	F1F44C4C	F2F5F04C	F1F3F0F8
(640)	40F3F3F5	F3F3F1F4	4CF4F1F1	F7F7F3F1	F44.4CF2	F4F84CF1	F3F.F84.	F3F3F5F3	F4F3F940	F4F1F1F7
(680)	F7F3F1F4	4D4CF2F4	F140F1F3	F0F84CF3	F3F5F3F5	F6F44CF4	F1F1F7F7	F3F1F44C	4.F2F5F4	4.F1F3F.
(720)	F840F3F3	F5F3F0F8	F940F4F1	F1F7F7F3	F1F44040	F2F5F540	F1F3F0F8	4CF3F3F5	F3F8F1F4	4CF4F1F1
(760)	F7F7F3F1	F44040F2	F9F340F1	F3F.F84C	F3F3F5F4	F4F3F940	F4F1F1F7	F7F3F1F4	4C4CF2F5	F94CF1F3
(800)	F0F840F3	F3F5F4F5	F6F440F4	F1F1F7F7	F3F1F44C	4CF2F8F6	4CF1F3F.	F24CF3F3	F5F4F6F8	F94.F4F1
(840)	F1F7F7F3	F1F44040	F2F6F540	F1F3F0F8	4DF3F3F5	F4F3F1F4	4DF4F1F1	F7F7F3F1	F44C4CF2	F4F44CF1
(880)	F3F0F840	F3F3F5F4	F9F3F940	F4F1F1F7	F7F3F1F4	4C4CF2F4	F74CF1F3	F0F840F3	F3F5F54C	F0F44CF4
(920)	F1F1F7F7	F3F1F44C	4DF2F2F7	4CF1F3F0	F84.F3F3	F5F5F1F8	F94CF4F1	F1F7F7F3	F1F44C4C	F2F1F74
(960)	F1F3F0F8	40F3F3F5	F5F3F1F4	4CF4F1F1	F7F7F3F1	F44C4CF2	F1F24CF1	F3F.F84C	F3F3F5F5	F4F5F94C
(1000)	F4F1F1F7	F7F3F1F4	4D40F2F3	F340F1F3	F0F840F3	F3F5F640	F6F44CF4	F1F1F7F7	F5F1F44C	4CF2F3F0
(1040)	40F1F3F0	F840F3F3	F5F6F1F8	F94CF4F1	F1F7F7F3	F1F44040	F2F3F140	F1F3F0F8	4DF3F3F5	F3F8F1F4
(1080)	4DF4F1F1	F7F7F3F1	F44040F2	F3F44CF1	F3F.F84C	F3F3F5F6	F4F3F940	F4F1F1F7	F7F5F1F6	4C4.F2F4
(1120)	F440F1F3	F0F840F3	F3F5F6F5	F6F440F4	F1F1F7F7	F3F1F440	4CF2F5F1	40F1F3F0	F84CF3F3	F5F0F0F8
(1160)	F940F4F1	F1F7F7F3	F1F44040	F2F6F140	F1F3F0F8	4CF3F3F5	F6F8F1F4	4CF4F1F1	F7F7F3F1	F44.4CF2
(1200)	F8F24CF1	F3F0F840	F3F3F5F6	F9F3F940	F4F1F1F7	F7F3F1F4	4C4CF2F7	F34CF1F3	F0F84.F3	F4F5F74.
(1240)	F6F440F4	F1F1F7F7	F3F1F44C	4DF2F8F5	4CF1F3F0	F84CF3F3	F5F7F1F8	F94CF4F1	F1F7F7F3	F1F44.4C
(1280)	F3F3F740	F1F3F0F8	40F3F3F5	F7F3F1F4	4DF4F1F1	F7F7F3F1	F4404CF3	F2F04CF1	F3F0F940	F3F3F5F7
(1320)	F4F3F940	F4F1F1F7	F7F3F1F4	4C4.F3F3	F04.F1F3	F0F840F3	F3F5F7F5	F6F44CF4	F1F1F7F7	F3F1F440
(1360)	40F3F2F0	4CF1F3F0	F840F3F3	F5F7F6F8	F94CF4F1	F1F7F7F3	F1F4404.	F74.F74.	F1F3F0F8	4.F3F3F5
(1400)	F7F8F1F4	40F4F1F1	F7F7F3F1	F44040F2	F8F240F1	F3F0F840	F3F3F5F7	F9F5F940	F4F1F1F7	F7F5F1F4
(1440)	4040F2F8	F540F1F3	F0F840F3	F3F5F840	F6F440F4	F1F1F7F7	F3F1F440	40F2F9F2	40F1F3F0	F04.F3F3
(1480)	F5F8F1F8	F940F4F1	F1F7F7F3	F1F44.4C	F2F8F84C	F1F3F.F8	4.F3F3F5	F6F3F1F4	4.F4F1F1	F7F7F4F1
(1520)	F44040F3	40F340F1	F3F.F840	F3F3F5F8	F4F5F940	F4F1F1F7	F7F3F1F4	4.40F3F4	F84.F1F3	F.F.4.F3
(1560)	F3F5F8F5	F6F440F4	F1F1F7F7	F3F1F440	4CF3F3F3	4CF1F3F0	F84CF3F3	F5F8F6F8	F94CF4F1	F1F7F7F3
(1600)	F1F44040	F3F6F240	F1F3F0F8	4CF3F3F5	F8F8F1F4	4CF4F1F1	F7F7F3F1	F44040F3	F4F140F1	F3F3F440
(1640)	F3F3F5F8	F9F3F940	F4F1F1F7	F7F3F1F4	4D4.F3F3	F74.F1F3	F0F84.F3	F3F5F94C	F6F44.F4	F1F1F7F7
(1680)	F3F1F440	40F3F3F4	40F1F3F0	F840F3F3	F5F9F1F8	F940F4F1	F1F7F7F3	F1F44C4C	F3F3F74C	F1F3F.F8
(1720)	40F3F3F5	F9F3F1F4	40F4F1F1	F7F7F3F1	F44040F3	F4F14CF1	F3F0F840	F3F3F5F9	F4F3F940	F4F1F1F7
(1760)	F7F3F1F4	4C4CF3F3	F74CF1F3	F0F84.F3	F3F5F9F5	F6F44CF4	F1F1F7F7	F3F1F44C	4.F3F3F4	4.F1F3F.
(1800)	F840F3F3	F5F9F6F8	F94CF4F1	F1F7F7F3	F1F44.4C	F3F2F74C	F1F3F.F8	4.F3F5F5	F9F.F1F4	4.F4F1F1
(1840)	F7F7F3F1	F44040F3	F2F740F1	F3F0F840	F3F3F5F9	F9F3F940	F4F1F1F7	F7F3F1F4	4C4CF3F0	F84CF1F3
(1880)	F7F840F3	F3F0F04C	F6F44CF4	F1F1F7F7	F3F1F44C	4CF3F3F0	40F1F3F0	F84CF3F3	F0F0F3F1	F44CF4F1
(1920)	F1F7F7F3	F1F44C40	F2F9F940	F1F3F.F8	4CF3F3F6	F0F4F3F9				

FILE 1 RECORD 36 LENGTH 1944BYTES										
(0)	4CF4F1F1	F7F7F2F9	F94040F5	F1F34CF1	F3F.F84C	F7F0F1F1	F0F5F64C	F4F1F1F7	F7F2F9F0	4C4CF5F1
(40)	F04CF1F3	F0F84CF7	F3F1F1F7	F8F14.F4	F1F1F7F7	F2F9F940	4CF5F1F4	4CF1F3F.	F84.F7F.	F1F1F0F.
(80)	F64CF4F1	F1F7F7F2	F9F94040	F5F1F0C4	F1F3F.F8	4CF7F.F1	F24CF3F1	4CF4F1F1	F7F2F2F9	F04.4.F5
(120)	40F040F1	F3F0F840	F7F0F1F3	40F5F140	F4F1F1F7	F7F2F4F9	4040F4F9	F14CF1F3	F0F.4CF7	F0F1F3F1
(160)	F5F64CF4	F1F1F7F7	F2F9F940	4CF4F8F8	4CF1F3F.	F84.F7F.	F1F3F2F8	F14.F4F1	F1F.F7F2	F9F94C4C
(200)	F4F8F44C	F1F3F.F8	4DF7F0F1	F3F4F.F6	4CF4F1F1	F7F7F2F9	F94.4.F4	F1F7F7F3	F1F44.4C	F2F1F74

(720)	F540F7	F4F6F8	F1F2F1	F2F7F7F6	40F540	F6F9F4	F7F5F5F5	4040F7F4	F14CF5F6	F2F1F1F2
(760)	F7F7F6F1	F5404DF6	F9F54DF1	F3F5F54D	4DF7F4F1	F1F8F1F2	F1F1F2F7	F7F6F1F5	4040F7F2	F14DF1F3
(800)	F5F54040	F7F4F1F3	F0F6F2F1	F1F2F7F7	F6F1F540	40F7F4F7	40F1F3F5	F5404DF7	F4F1F6F6	F1F2F1F1
(840)	F2F7F7F6	F1F54040	F6F9F440	F1F3F5F5	4040F7F4	F2F1F8F1	F2F1F1F2	F7F7F6F1	F54D40F7	F1F24DF1
(880)	F3F5F540	40F7F4F2	F3F0F6F2	F1F1F2F7	F7F6F1F5	4040F6F9	F94 F1F3	F5F54D4D	F7F4F2F4	F3F1F2F1
(920)	F1F2F7F7	F6F1F540	40F6F8F3	40F1F3F5	F54D40F7	F4F2F5F5	F6F2F1F1	F2F7F7F6	F1F54D4	F6F2F4D
(960)	F1F3F5F5	4040F7F4	F2F9F3F1	F2F1F1F2	F7F7F6F1	F54D40F6	F5F640F1	F3F5F540	40F7F4F3	40F5F6F2
(1000)	F1F1F2F7	F7F6F1F5	4040F6F4	F540F1F3	F5F54D4D	F7F4F3F1	F8F1F2F1	F1F2F7F7	F6F1F54D	40F7F6F2
(1040)	40F1F3F5	F54D40F7	F4F3F9F3	F1F2F1F1	F2F7F7F6	F1F54D40	F7F5F4D	F1F3F5F5	4D4 F7F4	F44DF5F6
(1080)	F2F1F1F2	F7F7F6F1	F54040F7	F6F740F1	F3F5F54D	4DF7F4F4	F1F6F1F2	F1F1F2F7	F7F6F1F5	4D4 F7F7
(1120)	F940F1F3	F5F54040	F7F4F4F3	F0F6F2F1	F1F2F7F7	F6F1F540	40F7F6F5	40F1F3F5	F54D40F7	F4F4F4F3
(1160)	F1F2F1F1	F2F7F7F6	F1F54040	F7F6F940	F1F3F5F5	4D4DF7F4	F4F5F5F6	F2F1F1F2	F7F7F6F1	F54D40F7
(1200)	F7F840F1	F3F5F54D	40F7F4F5	F1F6F1F2	F1F1F2F7	F7F6F1F5	4040F7F6	F74DF1F3	F5F54D4	F7F4F5F3
(1240)	F0F6F2F1	F1F2F7F7	F6F1F54D	40F7F7F1	40F1F3F5	F54D40F7	F4F5F4F3	F1F2F1F1	F2F7F7F6	F1F54040
(1280)	F740F940	F1F3F5F5	4040F7F4	F5F6F8F1	F2F1F1F2	F7F7F6F1	F54040F6	F9F44DF1	F3F5F54D	40F7F4F5
(1320)	F8F0F6F2	F1F1F2F7	F7F6F1F5	4D4DF6F6	F34DF1F3	F5F54D40	F7F4F5F9	F3F1F2F1	F1F2F7F7	F6F1F54D
(1360)	40F6F8F0	40F1F3F5	F54040F7	F4F6F1F8	F1F2F1F1	F2F7F7F6	F1F54040	F5F6F74	F1F5F5F5	4D4DF7F4
(1400)	F6F3F0F6	F2F1F1F2	F7F7F6F1	F54040F6	F2F940F1	F3F5F540	40F7F4F6	F4F3F1F2	F1F1F2F7	F7F6F1F5
(1440)	4040F6F4	F040F1F3	F5F54040	F7F4F6F5	F5F6F2F1	F1F2F7F7	F6F1F54D	4DF6F8F2	4DF1F3F5	F54DD4DF7
(1480)	F4F6F9F3	F1F2F1F1	F2F7F7F6	F1F54040	F6F4F940	F1F3F5F5	4D4DF7F4	F74DF5F6	F2F1F1F2	F7F7F6F1
(1520)	F54040F6	F5F640F1	F3F5F540	40F7F4F7	F1F6F1F2	F1F1F2F7	F7F6F1F5	4040F5F6	F740F1F3	F5F54040
(1560)	F7F4F7F5	F5F6F2F1	F1F2F7F7	F6F1F540	40F6F3F7	4DF1F3F5	F54040F7	F4F7F6F0	F6F2F1F1	F2F7F7F6
(1600)	F1F54040	F5F3F940	F1F3F5F5	4D4DF7F4	F7F9F3F1	F2F1F1F2	F7F7F6F1	F54D4DF4	F7F54DF1	F3F5F54D
(1640)	40F7F4F8	F1F8F1F2	F1F1F2F7	F7F6F1F5	4040F4F8	F34DF1F3	F5F54D4D	F7F4F8F3	F0F6F2F1	F1F2F7F7
(1680)	F6F1F540	40F4F5F5	40F1F3F5	F54040F7	F4F8F4F3	F1F2F1F1	F2F7F7F6	F1F54D40	F4F2F44D	F1F3F5F5
(1720)	4040F7F4	F8F5F5F6	F2F1F1F2	F7F7F6F1	F54D40F4	F2F94DF1	F3F5F54D	4DF7F4F8	F8F7F6F2	F1F1F2F7
(1760)	F7F0F1F5	4040F44D	F140F1F3	F5F54D40	F7F4F8F9	F3F1F2F1	F1F2F7F7	F6F1F54D	4DF3F8F9	4DF1F3F5
(1800)	F54040F7	F4F940F5	F6F2F1F1	F2F7F7F6	F1F54D40	F3F4F240	F1F3F5F5	4D4DF7F4	F5F1F6F1	F2F1F1F2
(1840)	F7F7F6F1	F54040F3	F8F240F1	F3F5F540	40F7F5F0	4DF5F6F2	F1F1F2F7	F7F6F1F5	4D4DF3F9	F54DF1F3
(1880)	F5F54040	F7F5F0F1	F2F1F2F1	F1F2F7F7	F6F1F54D	4DF3F7F4	4DF1F3F5	F54D4DF7	F5F4F3F1	F6F2F1F1
(1920)	F2F7F7F6	F1F54040	F4F3F240	F1F3F5F5	4D4DF7F5	FDF4F3F1				

FILE 9 RECORD 7 LENGTH 1944BYTES

(0)	F2F1F1F2	F7F7F6F4	F64D4DF3	40F24DF1	F3F5F54D	F2F84DF1	F6F0F5F2	F1F1F2F7	F7F6F4F5	4D4DF2F9
(40)	F04DF1F3	F5F54DF2	F84DF1F7	F3F1F2F1	F1F2F7F7	F6F4F64D	4DF2F8F1	4DF1F3F5	F54DF2F8	4DF1F3F5
(80)	F5F2F1F1	F2F7F7F6	F4F64D4D	F2F7F74D	F1F3F5F5	4DF2F84D	F1F9F8F0	F2F1F1F2	F7F7F6F4	F64D4DF2
(120)	F8F24DF1	F3F5F540	F2F84DF2	F1F0F5F2	F1F1F2F7	F7F6F4F6	4040F2F6	F140F1F3	F5F54DF2	F84DF2F2
(160)	F3F0F2F1	F1F2F7F7	F6F4F640	4DF2F6F3	40F1F3F5	F54DF2F8	4DF2F3F5	F5F2F1F1	F2F7F7F6	F4F64D4D
(200)	F2F2F440	F1F3F5F5	40F2F84D	F3F2F3F0	F2F1F1F2	F7F7F6F4	F64D4DF2	F2F64DF1	F3F5F54D	F2F84DF3
(240)	F3F5F5F2	F1F1F2F7	F7F6F4F6	4040F2F1	F64DF1F3	F5F54DF2	F84DF3F4	F8F0F2F1	F1F2F7F7	F6F4F640
(280)	40F24DF9	40F1F3F5	F54DF2F8	40F3F6F0	F5F2F1F1	F2F7F7F6	F4F64D4D	F24DF64D	F1F3F5F5	40F2F84D
(320)	F3F7F3F0	F2F1F1F2	F7F7F6F4	F64D4DF1	F4F74DF1	F3F5F54D	F2F84DF4	F3F5F5F2	F1F1F2F7	F7F6F4F6
(360)	4040F1F5	F540F1F3	F5F54DF2	F84DF4F6	F0F5F2F1	F1F2F7F7	F6F4F64D	40F1F4F8	40F1F3F5	F54DF2F8
(400)	40F4F7F3	F0F2F1F1	F2F7F7F6	F4F64D4D	F1F3F44D	F1F3F5F5	40F2F5F4D	F4F8F5F5	F2F1F1F2	F7F7F6F4
(440)	F64D4DF1	F3F940F1	F3F5F54D	F2F84DF4	F9F8F7F2	F1F1F2F7	F7F6F4F6	4D4DF1F3	F64DF1F3	F5F54D F2
(480)	F84DF5F1	F0F5F2F1	F1F2F7F7	F6F4F64D	4DF3F4F2	4DF1F3F5	F54DF2F8	4DF6F1F	F5F2F1F1	F2F7F7F6
(520)	F4F64D4D	F0F2F54D	F1F3F5F5	40F2F84D	F6F2F3F0	F2F1F1F2	F7F7F6F4	F64D4DF0	F1F64DF1	F3F5F54D
(560)	F2F84DF6	F3F5F5F2	F1F1F2F7	F7F6F4F6	4D4DF7F8	F44DF1F3	F5F54DF2	F84DF6F7	F3F0F2F1	F1F2F7F7
(600)	F6F4F64D	40F7F5F2	40F1F3F5	F54DF2F8	4DF6F8F5	F5F2F1F1	F2F7F7F6	F4F64D4D	F7F4F64D	F1F3F5F5
(640)	40F2F84D	F7F6F0F5	F2F1F1F2	F7F7F6F4	F64D40F7	F3F74DF1	F3F5F54D	F2F64DF7	F7F3F0F2	F1F1F2F7
(680)	F7F6F4F6	4040F7F2	F94DF1F3	F5F54DF2	F84DF7F9	F8F0F2F1	F1F2F7F7	F0F4F64D	40F7F2F3	40F1F3F5
(720)	F54DF2F8	40F8F1F0	F5F2F1F1	F2F7F7F6	F4F64D43	F7F2F34D	F1F3F5F5	4DF2F84D	F2F2F3F0	F2F1F1F2
(760)	F7F7F6F4	F64D40F6	F7F74DF1	F3F5F54D	F2F84DF8	F3F5F5F2	F1F1F2F7	F7F6F4F6	4D4DF6F8	F34DF1F3
(800)	F5F54DF2	F84DF9F1	F0F5F2F1	F1F2F7F7	F6F4F64D	4DF6F9F0	40F1F3F5	F54DF2F8	40F6F2F3	F0F2F1F1
(840)	F2F7F7F6	F4F64D4D	F6F8F94D	F1F3F5F5	4DF2F84D	F9F3F5F5	F2F1F1F2	F7F7F6F4	F64D4DF6	F9F4DDF1
(880)	F3F5F54D	F2F84DF9	F4F8F0F2	F1F1F2F7	F7F6F4F6	4D4DF74D	F34DF1F3	F5F54D F2	F84D F9F8	F0F5F2F1
(920)	F1F2F7F7	F6F4F640	40F7F2F2	40F1F3F5	F54DF2F8	F1FDF6F0	F5F2F1F1	F2F7F7F6	F4F64D4D	F7F7F84D
(960)	F1F3F5F5	40F2F8F1	F0F7F3F0	F2F1F1F2	F7F7F6F4	F64D4DF7	F2F24DF1	F5F5F54D	F2F0F1F0	F0F3F5F2
(1000)	F1F1F2F7	F7F6F4F6	4D4DF7F3	F14DF1F3	F5F54DF2	F8F1F0F9	F8F0F2F1	F1F2F7F7	F6F4F64D	4DF7F3F1
(1040)	40F1F3F5	F54DF2F8	F1F1F2F3	F0F2F1F1	F2F7F7F6	F4F64D4D	F7F1F34D	F1F3F5F5	4DF2F8F1	F0F4DDF0
(1080)	F2F1F1F2	F7F7F6F4	F64D4DF7	F3F44DF1	F3F5F54D	F2F8F1F1	F6F0F5F2	F1F1F2F7	F7F6F4F6	4D4DF7F7
(1120)	F04DF1F3	F5F54DF2	F8F1F1F9	F8F0F2F1	F1F2F7F7	F6F4F64D	4DF7F6F3	4DF1F3F5	F54DF2F8	F1F2F1F0
(1160)	F5F2F1F1	F2F7F7F6	F4F64D4D	F7F7F54D	F1F3F5F5	4DF2F8F1	F2F2F3F0	F2F1F1F2	F7F7F6F4	F64D4DF7
(1200)	F7F04DF1	F3F5F54D	F2F3F1F2	F3F5F5F2	F1F1F2F7	F7F6F4F6	4D4DF7F7	F94DF1F3	F5F54DF2	F8F1F2F4
(1240)	F8F0F2F1	F1F2F7F7	F6F4F640	40F04DF1	40F1F3F5	F54DF2F8	F1F2F6F0	F5F2F1F1	F2F7F7F6	F4F64D4D

ISEE 2

PROPAGATION MEASUREMENT DATA

77-102B-06B SPMS-00183

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in EBCDIC. There is one restored tape written in ASCII. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005298	DS005298	D034002	1	11/06/77 - 11/06/77

ISEE 2

RADIO PROPAGATION-FREQUENCY DATA

77-102B-06C SPMS-00444

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005299	DS005299	D035128	1 - 2	11/03/77 - 11/10/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2553	MJT

ISEE 2

PROPAGATION MEASUREMENT DATA

77-102B-06B

This data set catalog consists of 1 data tape. The tape is 9 track, 1600 BPI, EBCDIC with one file of data. The tape was created on an IBM 360 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-34002	C-20619	11/06/77

#EAE IFL151 B5

INPUT PARAMETERS ARE: ED FL=3=3

D-34002

 TAPE NO.   1   FILE NO.   1
 RECORD   1   LENGTH   1944
DESPA HA001 15/06/79 HARVE 61177396 1032 131038791502 61177396 940 131038791533 61177396 834 131
038791565 61177396 1099 131038791627 61177396 982 131038791658 61177396 1260 131038791815 61177396
  747 131038791940 61177396 1057 131038791971 61177396 289 131038792158 61177396 499 131038792377
 61177396 918 131038792440 61177396 731 131038792471 61177396 1131 131038792502 61177396 765 131
038792565 61177396 1092 131038792596 61177396 1016 131038792658 61177396 977 131038792690 61177396
 10 2 131038792721 61177396 991 131038792752 61177396 1010 131038792783 61177396 991 131038792815
 61177396 1018 131038792846 61177396 1013 131038792877 61177396 1016 131038792908 61177396 10 2 131
038792940 61177396 1013 131038792971 61177396 1024 131038793 2 61177396 1010 131038793 33 61177396
 1013 131038793 65 61177396 1035 131038793 96 61177396 10 7 131038793127 61177396 1024 131038793158
 61177396 1019 131038793190 61177396 1024 131038793221 61177396 1024 131038793252 61177396 1021 131
038793283 61177396 1024 131038793315 61177396 1030 131038793346 61177396 1032 131038793377 61177396
 1027 131038793408 61177396 1029 131038793440 61177396 1041 131038793471 61177396 1039 131038793752
 61177396 1167 131038793783 61177396 1154 131038793877 61177396 879 131038793908 61177396 1042 131
038793940 61177396 1120 131038793971 61177396 1071 131038794 2 61177396 1057 131038794 33 61177396
 1082 131038794 65 61177396 1029 131038794 96 61177396 1063 131038794127 61177396 1061 131038794158
 61177396 1089 131038794190 61177396 1072 131038794221 61177396 1063 131038794252 61177396 1075 131
038794283 61177396 1075 131038794315 61177396 1071 131038794346 61177396 1071 131038794377 61177396
 1074 131038794408 61177396 1069 131038794440 61177396 1069 131038794471 61177396 1068 131038794502
 61177396 1066 131038794533 61177396 1071 131038794565 61177396 1089 131038794596 61177396 1063 131
038794627 61177396 1060 131038794658 61177396 1068 131038794690

 TAPE NO.   1   FILE NO.   1
 RECORD   2   LENGTH   1944
 61177396 1063 131038794721 61177396 1058 131038794752 61177396 1086 131038794783 61177396 1068 131
038794815 61177396 1057 131038794846 61177396 1063 131038794877 61177396 1061 131038794908 61177396
 1079 131038794940 61177396 1061 131038794971 61177396 1085 131038795 2 61177396 1043 131038795 33
 61177396 1075 131038795 65 61177396 1040 131038795 96 61177396 1114 131038795127 61177396 1029 131
038795158 61177396 1067 131038795190 61177396 1088 131038795221 61177396 1158 131038795283 61177396
 10 4 131038795315 61177396 857 131038795346 61177396 043 131038795408 61177396 10 5 131038795471
 61177396 1161 131038795502 61177396 1175 131038795565 61177396 1022 131038795596 61177396 1089 131
038795627 61177396 1063 131038795658 61177396 1055 131038795690 61177396 1066 131038795721 61177396
 1075 131038795752 61177396 1061 131038795783 61177396 1072 131038795815 61177396 1077 131038795846
 61177396 1077 131038795877 61177396 1071 131038795908 61177396 1085 131038795940 61177396 1078 131
038795971 61177396 1075 131038796 2 61177396 1083 131038796 33 61177396 1088 131038796 65 61177396
 1071 131038796 96 61177396 1096 131038796127 61177396 1092 131038796158 61177396 1095 131038796190
 61177396 1086 131038796221 61177396 1096 131038796252 61177396 1088 131038796283 61177396 1082 131
038796315 61177396 1085 131038796346 61177396 1083 131038796408 61177396 1111 131038796440 61177396
 12 9 131038796658 61177396 1161 131038796690 61177396 1134 131038796721 61177396 1139 131038796752
 61177396 1115 131038796783 61177396 1025 131038796877 61177396 1021 131038796908 61177396 1212 131
038796940 61177396 1024 131038796971 61177396 1178 131038797 2 61177396 1118 131038797 33 61177396
 1198 131038797 65 61177396 1081 131038797 96 61177396 1146 131038797127 61177396 1091 131038797158
 61177396 1136 131038797190 61177396 1112 131038797221 61177396 11 8 131038797252 61177396 1110 131
038797283 61177396 1113 131038797315 61177396 1088 131038797346

 TAPE NO.   1   FILE NO.   1
 RECORD   3   LENGTH   1944
 61177396 11 5 131038797377 61177396 1092 131038797408 61177396 11 6 131038797440 61177396 1086 131
038797471 61177396 1086 131038797502 61177396 1071 131038797533 61177396 1077 131038797565 61177396

1072 131038797396 61177396 9 6 131038797783 61177396 1089 131038797815 61177396 1066 131038797846
61177396 1095 131038797877 61177396 1070 131038797908 61177396 1044 131038797940 61177396 10 0 131
038798 65 61177396 1170 131038798 96 61177396 1081 131038798127 61177396 1016 131038798158 61177396
1229 131038798252 61177396 12 0 131038798283 61177396 993 131038798408 61177396 1053 131038798440
61177396 1069 131038798471 61177396 1071 131038798502 61177396 1053 131038798533 61177396 1138 131
038798565 61177396 1086 131038798596 61177396 1089 131038798627 61177396 1081 131038798658 61177396
1063 131038798690 61177396 1115 131038798721 61177396 1099 131038798752 61177396 1112 131038798815
61177396 1095 131038798846 61177396 1096 131038798877 61177396 1088 131038798908 61177396 1091 131
038798940 61177396 11 9 131038798971 61177396 1022 131038799 2 61177396 1155 131038799 33 61177396
991 131038799 65 61177396 1133 131038799 96 61177396 11 5 131038799127 61177396 1110 131038799158
61177396 1096 131038799190 61177396 11 5 131038799221 61177396 1119 131038799252 61177396 11 6 131
038799283 61177396 1110 131038799315 61177396 1071 131038799346 61177396 1139 131038799377 61177396
1072 131038799502 61177396 1122 131038799533 61177396 1113 131038799565 61177396 1122 131038799596
61177396 1115 131038799627 61177396 1110 131038799658 61177396 1120 131038799690 61177396 1122 131
038799721 61177396 969 1310388 0 33 61177396 1163 1310388 0 96 61177396 857 1310388 0127 61177396
1023 1310388 0221 61177396 1146 1310388 0252 61177396 1135 1310388 0283 61177396 882 1310388 0346
61177396 1130 1310388 0408 61177396 1124 1310388 0440 61177396 1141 1310388 0471 61177396 1066 131
0388 0565 61177396 11 8 1310388 0596 61177396 1130 1310388 0627

TAPE NO. 1 FILE NO. 1
RECORD 44 LENGTH 1944
61177352 956 131047035649 61177352 960 131047035680 61177352 960 131047035711 61177352 966 131
047035743 61177352 931 131047035774 61177352 953 131047035805 61177352 953 131047035836 61177352
948 131047035868 61177352 948 131047035899 61177352 954 131047035930 61177352 944 131047035961
61177352 956 131047035993 61177352 963 131047036 24 61177352 975 131047036 55 61177352 951 131
047036 86 61177352 981 131047036118 61177352 943 131047036149 61177352 10 3 131047036180 61177352
860 131047036211 61177352 1076 131047036243 61177352 1232 131047036274 61177352 833 131047036305
61177352 982 131047036336 61177352 1079 131047036368 61177352 1113 131047036399 61177352 894 131
047036836 61177352 988 131047036868 61177352 966 131047036899 61177352 966 131047036930 61177352
953 131047036961 61177352 956 131047036993 61177352 963 131047037 24 61177352 957 131047037 55
61177352 950 131047037 86 61177352 942 131047037118 61177352 953 131047037149 61177352 960 131
047037180 61177352 969 131047037211 61177352 934 131047037243 61177352 944 131047037274 61177352
969 131047037305 61177352 960 131047037336 61177352 956 131047037368 61177352 959 131047037399
61177352 932 131047037430 61177352 975 131047037461 61177352 969 131047037493 61177352 934 131
047037524 61177352 1013 131047037555 61177352 953 131047037586 61177352 966 131047037618 61177352
944 131047037680 61177352 1031 131047037711 61177352 979 131047037805 61177352 925 131047037836
61177352 9 8 131047037868 61177352 869 131047037899 61177352 11 7 131047037930 61177352 13 5 131
047037961 61177352 1390 131047037993 61177352 1234 131047038 24 61177352 9 3 131047038 55 61177352
836 131047038 86 61177352 1069 131047038118 61177352 1032 131047038149 61177352 944 131047038180
61177352 969 131047038211 61177352 1091 131047038243 61177352 927 131047038274 61177352 930 131
047038305 61177352 991 131047038336 61177352 960 131047038368

TAPE NO. 1 FILE NO. 1
RECORD 45 LENGTH 1944
61177352 966 131047038399 61177352 963 131047038430 61177352 937 131047038461 61177352 953 131
047038493 61177352 944 131047038524 61177352 969 131047038555 61177352 956 131047038586 61177352
953 131047038618 61177352 892 131047038649 61177352 982 131047038680 61177352 944 131047038711
61177352 963 131047038743 61177352 929 131047038774 61177352 942 131047038805 61177352 960 131
047038836 61177352 934 131047038868 61177352 947 131047038899 61177352 944 131047038930 61177352
925 131047038961 61177352 963 131047038993 61177352 947 131047039 24 61177352 956 131047039 55
61177352 969 131047039 86 61177352 973 131047039118 61177352 856 131047039149 61177352 999 131
047039180 61177352 956 131047039211 61177352 1225 131047039243 61177352 960 131047040524 61177352
985 131047040555 61177352 967 131047040586 61177352 991 131047040618 61177352 948 131047040649
61177352 1051 131047040711 61177352 860 131047040743 61177352 1139 131047040774 61177352 963 131

047040885 61177352 912 131047040836 61177352 917 131047040868 61177352 959 131047040899 61177352
1060 131047040930 61177352 1154 131047040961 61177352 1177 131047040993 61177352 10 0 131047041 24
61177352 131047041 55 61177352 950 131047041 86 61177352 6 131047041118 61177352 1113 131
047041149 61177352 1051 131047041180 61177352 967 131047041211 61177352 950 131047041243 61177352
1066 131047041274 61177352 1051 131047041305 61177352 969 131047041336 61177352 969 131047041368
61177352 1019 131047041399 61177352 975 131047041430 61177352 960 131047041461 61177352 982 131
047041493 61177352 991 131047041524 61177352 953 131047041555 61177352 972 131047041586 61177352
969 131047041618 61177352 966 131047041649 61177352 947 131047041680 61177352 997 131047041711
61177352 966 131047041743 61177352 948 131047041774 61177352 975 131047041805 61177352 963 131
047041836 61177352 953 131047041868 61177352 963 131047041899

TAPE NO. 1 FILE NO. 1
RECORD 46 LENGTH 1944
61177352 959 131047041930 61177352 963 131047041961 61177352 972 131047041993 61177352 985 131
047042 24 61177352 934 131047042 55 61177352 963 131047042 86 61177352 10 4 131047042118 61177352
941 131047043399 61177352 966 131047043430 61177352 969 131047043461 61177352 969 131047043493
61177352 957 131047043524 61177352 975 131047043555 61177352 966 131047043586 61177352 979 131
047043618 61177352 1010 131047043649 61177352 941 131047043680 61177352 985 131047043711 61177352
1029 131047043743 61177352 1038 131047043836 61177352 1085 131047043868 61177352 1191 131047043899
61177352 013 131047043961 61177352 1036 131047044 55 61177352 892 131047044868 61177352 988 131
047044899 61177352 931 131047044930 61177352 963 131047044961 61177352 963 131047044993 61177352
960 131047045 24 61177352 938 131047045 55 61177352 985 131047045 86 61177352 960 131047045118
61177352 925 131047045149 61177352 957 131047045180 61177352 991 131047045211 61177352 979 131
047045243 61177352 978 131047045274 61177352 1016 131047045305 61177352 944 131047045336 61177352
10 4 131047045368 61177352 1016 131047045399 61177352 953 131047045461 61177352 1135 131047045493
61177352 1157 131047045524 61177352 1120 131047045555 61177352 1095 131047045586 61177352 1129 131
047045618 61177352 1145 131047045649 61177352 1054 131047045680 61177352 920 131047045711 61177352
950 131047045743 61177352 1038 131047045774 61177352 1082 131047045805 61177352 979 131047045836
61177352 934 131047045868 61177352 10 7 131047045899 61177352 994 131047045930 61177352 947 131
047045961 61177352 966 131047045993 61177352 963 131047046 24 61177352 963 131047046 55 61177352
973 131047046 86 61177352 963 131047046118 61177352 954 131047046149 61177352 960 131047046180
61177352 975 131047046211 61177352 947 131047046243 61177352 966 131047046274 61177352 953 131
047046305 61177352 972 131047046336 61177352 960 131047046368

ЖЖЖЖЖ JOB DONE.
$WEO VPS

$$

ISEE 2

ENERGETIC ELECTRON + PROTONS FLUX SPECTRA

77-102B-07B SPMS-00111

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED TWO 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN IBM ~~360~~ PDP 11/40 COMPUTER AND WERE RESTORED ON THE MRS SYSTEM. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005282	DS005282	D035057	1-7	11/03/77 - 11/21/77
		D056954	8-9	03/22/79 - 03/31/79

REQ. AGENT	REQ. NO.	ACQ. AGENT
VPL LSM		MJT HKH

ISEE 2

PARTICLE SPECTROMETER ENERGETIC ELECTRONS AND PROTONS

77-102B-07B

THIS DATA SET CONSISTS OF 2 DATA TAPES. THE TAPES ARE 1600 BPI, BINARY, 9 TRACK, WITH MULTIPLE FILES. THE D AND C NUMBERS WITH THE TIME SPAN AND NUMBER OF FILES ARE AS FOLLOWS:

D#	C#	TIME SPAN	# OF FILES
D-35057	C-20678	11/03/77-11/21/77	7
D-56954	C-23084	03/22/79-04/01/79	2

CDAW TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: ISEE-3 KED, PARTICLE SPECTROMETER	
2. Scientific Contact: PATRICK DALY	3. Telephone No. or Telex No.: 04 05527 AERLD
4. Address: MAX-PLANCK-INSTITUT FÜR AERONOMIE	
5. City: D 3411 KATLENBURG-LINDAU 3	6. State:	7. ZIP Code or Country: W. GERMANY
8. Programmer Contact: PATRICK DALY	

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 1	2. Tape Density: ☐ 800 bpi ☒ 1600 bpi
3. No. of Files (per tape): 7	
4. No. of End of File Marks: 7 (one after each file)	5. No. of Tracks: ☐ 7 ☒ 9
6. Recording Parity: ODD	7. Make and Model of Computer Used to Generate Tape: DIGITAL PDP11/40
8. Are tapes written in binary, coded or both? (e.g. BCD): BINARY	
9. What floating point representation is used? (e.g. CDC 64 bit): SEE FORMAT SHEET	
10. What integer representation is used?: 2 BYTES, MOST SIGNIFICANT FIRST	
11. No. of Physical Records (per file): 1: 30 2: 36 3: 44 4: 41 5: 41 6: 47 7: 36	
12. Are original tapes to be returned? ~~☐ Yes ☒ No~~ YES	

13. Start and Stop Time of Each File (If more space is needed, please attach.)

1: 307:7:21 - 307:8:10
2: 309:16:40 - 309:17:40
3: 310:4:45 - 310:6:10
4. 312:2:2 - 312:3:10
5: 314:14:21 - 314:15:30
6: 324:0:50 - 324:2:25
7: 325:15:0 - 325:16:00

[File#: Day of Year: Hour: Min all 1977]

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY IMS/SSC ONLY

CDAW No.: X697 123	
Date Received	Tape No.: CONP4 124
Programmer ID	CON No.: T207 DD35057
Data Base	Date Loaded

FORMAT of the CDAW Data tape for ISEE-B KED, PARTICLE SPECTROMETER

Record length : 7614 bytes or 3807 two-byte words

Integer format: Value = Byte1 * 256 + Byte2

always positive

Real format: Byte1 = exponent Byte 2 = mantissa

Value = Byte2 * 2**(Byte1 - 72)

$128 \leq$ Byte2 ≤ 255 $0 \leq$ Byte1 ≤ 127

except: both bytes are 0 to record zero
" " " 255 to indicate an unsampled number
(ie a data word that is measured to be zero is 0 0
but if it was not measured at all, it is 255 255)

Header: First 7 words (14 bytes) of each record are thus

1. Case number (equivalent to file number)
2. Record number
3. Number of satellite spins in this record (1 spin = 1 logical record)
4. Year
5. Day of year
6. Hour
7. Minute

The Header words are all integers.
The time is a reference from which time of each spin (logical record) is measured.

Data: Following the Header are 25 sets of 152 words, ie 25 logical records, one per spin.
First two words of each are integers, giving number of seconds and milliseconds respectively from the reference time in the Header. The time of the spin is the start time.

The 150 data words that follow are in real format.
They are 30 data channels, each with 5 angular values, designated 0-4. The 5 values are given together before the next channel.

The order in which the 30 channels are given is

EY EZ PY PZ

EA EB EC ED EE EF EG EH EI EJ EK EL EM

PA PB PC PD PE PF PG PH PI PJ PK PL PM

The first 4 have units $(cm^2 . sec . sr)^{-1}$

The remaining 26 have units $(cm^2 . sec . sr . keV)^{-1}$

Full identication of any data word requires one of the above letter pairs *plus* the angle identifier 0 - 4. The 0 angle value is the average over the other 4.

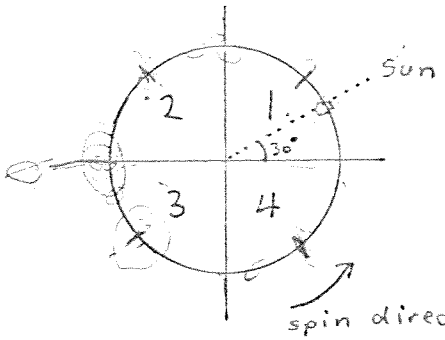
ISEE-B KED, PARTICLE SPECTROMETER

PARAMETER DESCRIPTION

Data is from the WAPS detector only, at 82° to the spin axis.

Each data channel is identified by two letters, the first being E for electrons, P for protons. The second letter is Y or Z for the integral channels, A-M for the 13 energy bins in the P.H.A.

Directional information is given by putting each channel into 4 sectors in the spin plane.



Thus sector 1 is "sunward" looking
" " 3 is "anti-sunward" looking, ie it sees sunward moving particles.

"Sector 0" is also given, which is the omnidirectional intensity, simply the average of all 4 sectors.

for example, EY3 is the first electron integral channel, looking anti-sunward.

PC4 is the third proton differential channel, looking towards dawn.

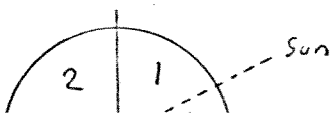
PZ0 is the second proton integral channel, looking in all directions.

Channel Code	Particle type	Integral or differential	Low Energy Limit (keV)	High Energy Limit (keV)
EY	Electrons	INT	20	49
EZ	"	"	79	721
PY	Protons	"	25	2500
PZ	"	"	115	2500
EA	Electrons	DIFF	17.5	28
EB	"	"	28	38
EC	"	"	38	48
ED	"	"	48	62
EE	"	"	98	157
EF	"	"	157	210
EG	"	"	210	267
EH	"	"	267	344
EI	"	"	344	445
EJ	"	"	445	580
EK	"	"	580	747
EL	"	"	747	967
EM	"	"	967	1251
PA	Protons	"	25.5	36
PB	"	"	36	45
PC	"	"	45	56
PD	"	"	56	70
PE	"	"	70	87
PF	"	"	87	110
PG	"	"	110	141
PH	"	"	141	180
PI	"	"	180	232
PJ	"	"	232	300
PK	"	"	300	485
PL	"	"	485	800
PM	"	"	800	2500

Units of Integral data are $(cm^2 . sec . sr)^{-1}$

" " differential " " $(cm^2 . sec . sr . kev)^{-1}$

Sector identification: (detector look direction)
1. Sunward
2. Duskward
3. Anti-sunward
4. Dawnward
0. Omni-directional



DATE 2/ /83

NSSDC ID _____

CDAW DATA SET ENTRY

DATE RECEIVED: 2/18/83 CDB: 6

DATA SENT BY: Patrick Daly

MATERIAL RECIEVED: 1 mag tape
1 pg letter + tape format (3 pages) +
description (2 pgs) : + plots (11) + printouts

SATELLITE/NSDF NAME: ISEE 2

DATA SET NAME: Keppler Particle Spectrometer

for CDAW 6 77-102B-07B

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: but says same as what he sent for CDAW 4

TIME COVERAGE: 79/021/06 - 79/021/20 & 79/090/12 - 79/091/6

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

MAX-PLANCK-INSTITUT FÜR AERONOMIE

ZUM SCHREIBEN AN:

FORMAT of the CDAW Data tape for ISEE-B KED, PARTICLE SPECTROMETER

Record length : 7614 bytes or 3807 two-byte words

Integer format : Value = Byte1 * 256 + Byte2

always positive

Real format : Byte1 = exponent Byte 2 = mantissa

Value = Byte2 * 2 ** (Byte1 - 72)

$128 \leq$ Byte2 ≤ 255 $0 \leq$ Byte1 ≤ 127

except: both bytes are 0 to record zero

" " " 255 to indicate an unsampled number

He

Dat

MAX-PLANCK-INSTITUT FÜR AERONOMIE

POSTFACH 20
D-3411 KATLENBURG-LINDAU 3
GERMANY

TELEFON
(05556) 411

BAHNSTATION
3410 NORTHEIM/HAN.

FERNSCHREIBER
09 65527 AERLI D

TELEGRAMME
AERONOMIE KATLENBURG-LINDAU

BANK
KREIS-SPARKASSE NORTHEIM
(BLZ 262500 01) 41 104 449

Max-Planck-Institut für Aeronomie, Postfach 20, D-3411 Katlenburg-Lindau 3

DR. JAMES VETTE
CODE 601
NASA-GODDARD SPACE FLIGHT CENTER

GREENBELT, MD 20771
USA

IHR ZEICHEN	IHRE NACHRICHT VOM	UNSER ZEICHEN	DURCHWAHL	DATUM
		PWD/sch	(05556) 41	25 January 1983

Dear Dr. Vette,

due to an oversight which has caused me considerable embarrassment, my contribution to the CDAW-6 workshops has never been submitted. Since interest has been expressed in our data set, and since I have given them privately to other participants, it is clear that they should be included in your data base. I have not been able to take part in the workshops myself, at least so far, but I have followed their progress. I am now in process of leaving Lindau at the end of March, and feel I should tidy up this last loose end. I have therefore sent you under separate cover the data set from the Keppler particle spectrometer on ISEE-2 for the CDAW-6 time periods. The format is the same as what I sent for the CDAW-4.0.

I apologize for the inexcusable delay, and I hope the data may still be put to some good use.

My new address will be: Space Science Department
ESTEC/ESA
NL-2200 Noordwijk
The Netherlands

Sincerely yours,

Patrick Daly

(Dr. P.W. Daly)

The order in which the 30 channels are given is

EY EZ PY PZ

EA EB EC ED EE EF EG EH EI EJ EK EL EM

PA PB PC PD PE PF PG PH PI PJ PK PL PM

The first 4 have units $(cm^2 . sec . sr)^{-1}$

The remaining 26 have units $(cm^2 . sec . sr . keV)^{-1}$

Full identification of any data word requires one of the above letter pairs plus the angle identifier 0 - 4. The 0 angle value is the average over the other 4.

ie $EY\phi = \frac{1}{4} (EY1 + EY2 + EY3 + EY4)$

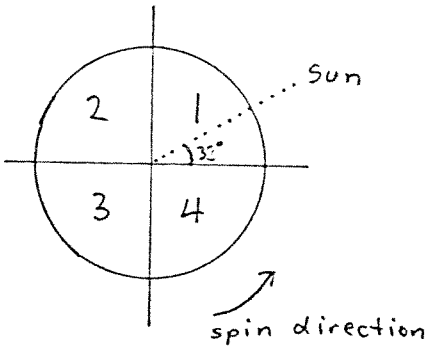
ISEE-B KED, PARTICLE SPECTROMETER

PARAMETER DESCRIPTION

Data is from the WAPS detector only, at 82° to the spin axis.

Each data channel is identified by two letters, the first being E for electrons, P for protons. The second letter is Y or Z for the integral channels, A-M for the 13 energy bins in the F.H.A.

Directional information is given by putting each channel into 4 sectors in the spin plane.



Thus sector 1 is "sunward" looking
" " 3 is "anti-sunward" looking, ie it sees sunward moving particles.

"Sector 0" is also given, which is the omnidirectional intensity, simply the average of all 4 sectors.

for example, EY3 is the first electron integral channel, looking anti-sunward.

PC4 is the third proton differential channel, looking towards dawn.

PZ0 is the second proton integral channel, looking in all directions.

MAX-PLANCK-INSTITUT FÜR AERONOMIE

ZUM SCHREIBEN AN:

Channel Code	Particle type	Integral or differential	Low Energy Limit (keV)	High Energy Limit (keV)
EY	Electrons	INT	20	49
EZ	"	"	79	721
PY	Protons	"	25	2500
PZ	"	"	115	2500
EA	Electrons	DIFF	17.5	28
EB	"	"	28	38
EC	"	"	38	48
ED		"	48	62
EE	"	"	98	157
EF	"	"	157	210
EG	"	"	210	267
EH	"	"	267	344
EI	"	"	344	445
EJ	"	"	445	580
EK	"	"	580	747
EL	"	"	747	967
EM	"	"	967	1251
PA	Protons	"	25.5	36
PB	"	"	36	45
PC	"	"	45	56
PD	"	"	56	70
PE	"	"	70	87
PF	"	"	87	110
PG	"	"	110	141
PH		"	141	180
PI	"	"	180	232
PJ	"	"	232	300
PK	"	"	300	485
PL	"	"	485	800
PM	"	"	800	2500

Units of Integral data are $(cm^2 . sec . sr)^{-1}$

" " differential " " $(cm^2 . sec . sr . kev)^{-1}$

Sector identification (detector look direction): 1. Sunward 2. Duskward 3. Anti-sunward 4. Dawnward 0. Omni-directional

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: ISEE-2 KED		
2. Scientific Contact: P. DALY	3. Telephone No. or Telex No.	
4. Address: ~~MAX-PLANCK-INSTITUT~~ FUR AERONOMIE		
5. City: D-3411 ~~KATLENBURG-LINDAU 3~~	6. State	7. ZIP Code or Country: ~~W GERMANY~~
8. Programmer Contact: P. DALY		

New address (April 1, 1983)
Space Science Department, ESTEC, 2200 Noordwijk, The Netherlands

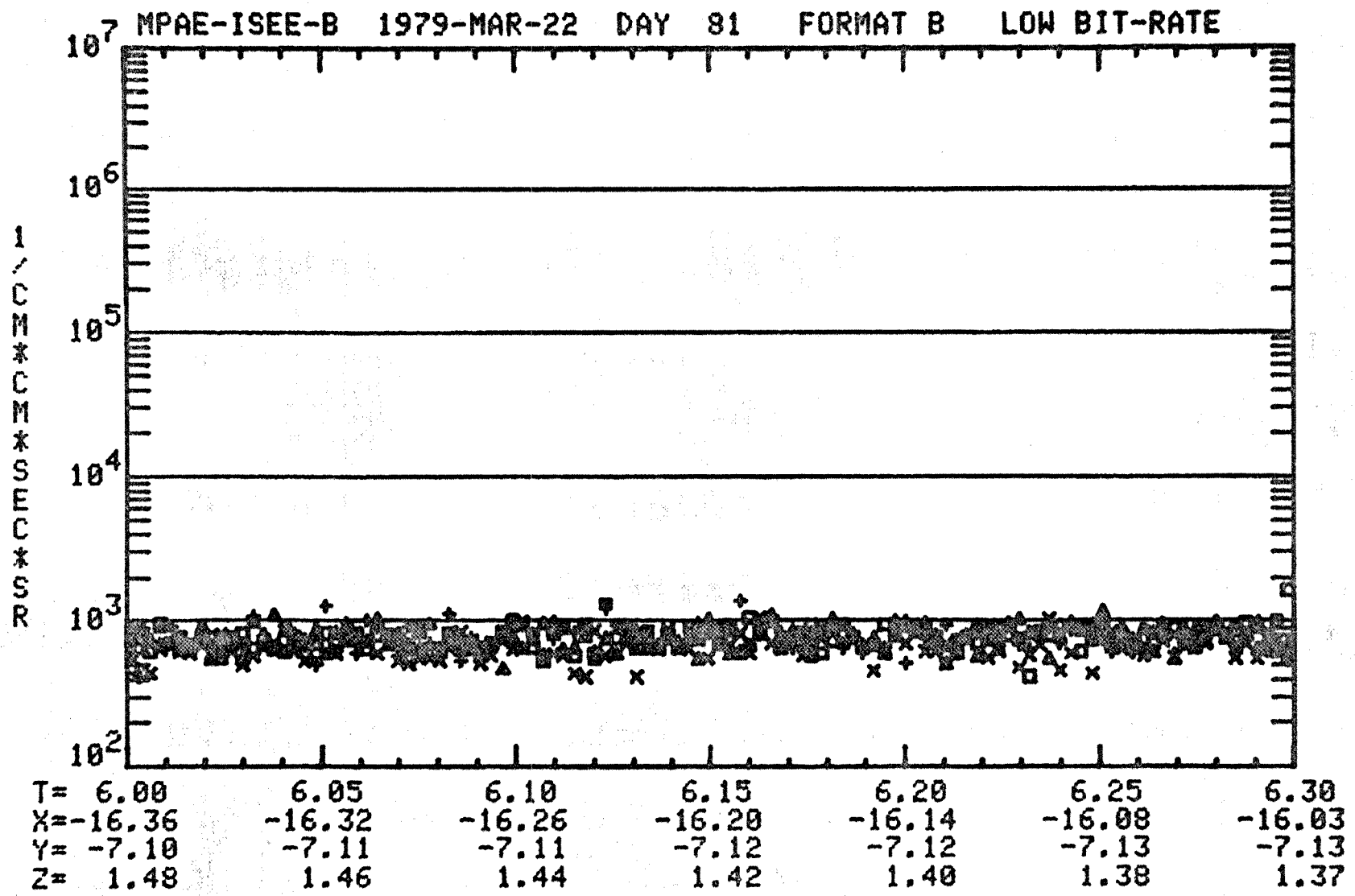
SECTION II. TAPE DESCRIPTION

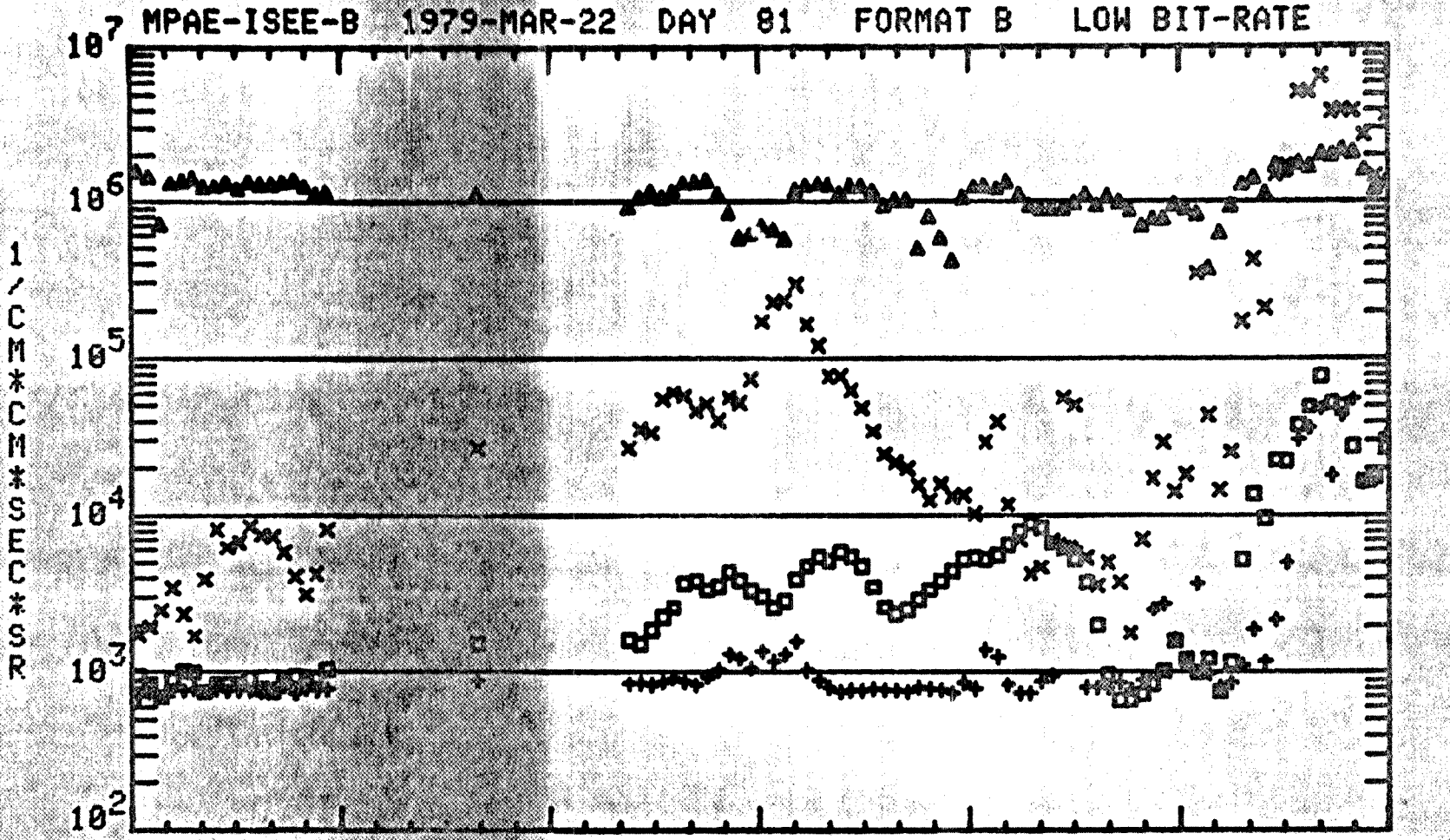
1. No. of Tapes Submitted: 1	2. Tape Density: ☐ 800 bpi ☒ 1600 bpi
3. No. of Files (per tape): 2	
4. No. of End of File Marks: 1 PER FILE	5. No. of Tracks: ☐ 7 ☒ 9
6. Recording Parity	7. Make and Model of Computer Used to Generate Tape
8. Are tapes written in binary, coded or both? (e.g. BCD): BINARY	
9. What floating point representation is used? (e.g. CDC 64 bit): SEE FORMAT DESCRIPTION	
10. What integer representation is used? " " "	
11. No. of Physical Records (per file): 358 , 581	
12. Are original tapes to be returned? ☐ Yes ☒ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) 1. 1979 MARCH 22 0600 - 2000 2. 1979 MARCH 31 1200 - APRIL 1 0600	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

	CDB No.
Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded


MPAE-ISEE-B 1979-MAR-22 DAY 81 FORMAT B LOW BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 6.00 6.05 6.10 6.15 6.20 6.25 6.30
X=-16.36 -16.32 -16.26 -16.20 -16.14 -16.08 -16.03
Y= -7.10 -7.11 -7.11 -7.12 -7.12 -7.13 -7.13
Z= 1.48 1.46 1.44 1.42 1.40 1.38 1.37
4 SPIN AVERAGES GSE COORDINATES
× WAPS ELECTRONS 2; SECTORS 1 TO 8; 79.5 TO 721.0 KEV
+ WAPS ELECTRONS 2; SECTORS 9 TO 16; 79.5 TO 721.0 KEV
▲ WAPS ELECTRONS 2; SECTORS 17 TO 24; 79.5 TO 721.0 KEV
□ WAPS ELECTRONS 2; SECTORS 25 TO 32; 79.5 TO 721.0 KEV



T=	6.00	7.00	8.00	9.00	10.00	11.00	12.00
X=	-16.36		-14.59	-13.98	-13.05	-12.10	-10.99
Y=	-7.10		-7.18	-7.18	-7.13	-7.05	-6.92
Z=	1.48		0.91	0.74	0.49	0.25	-0.01

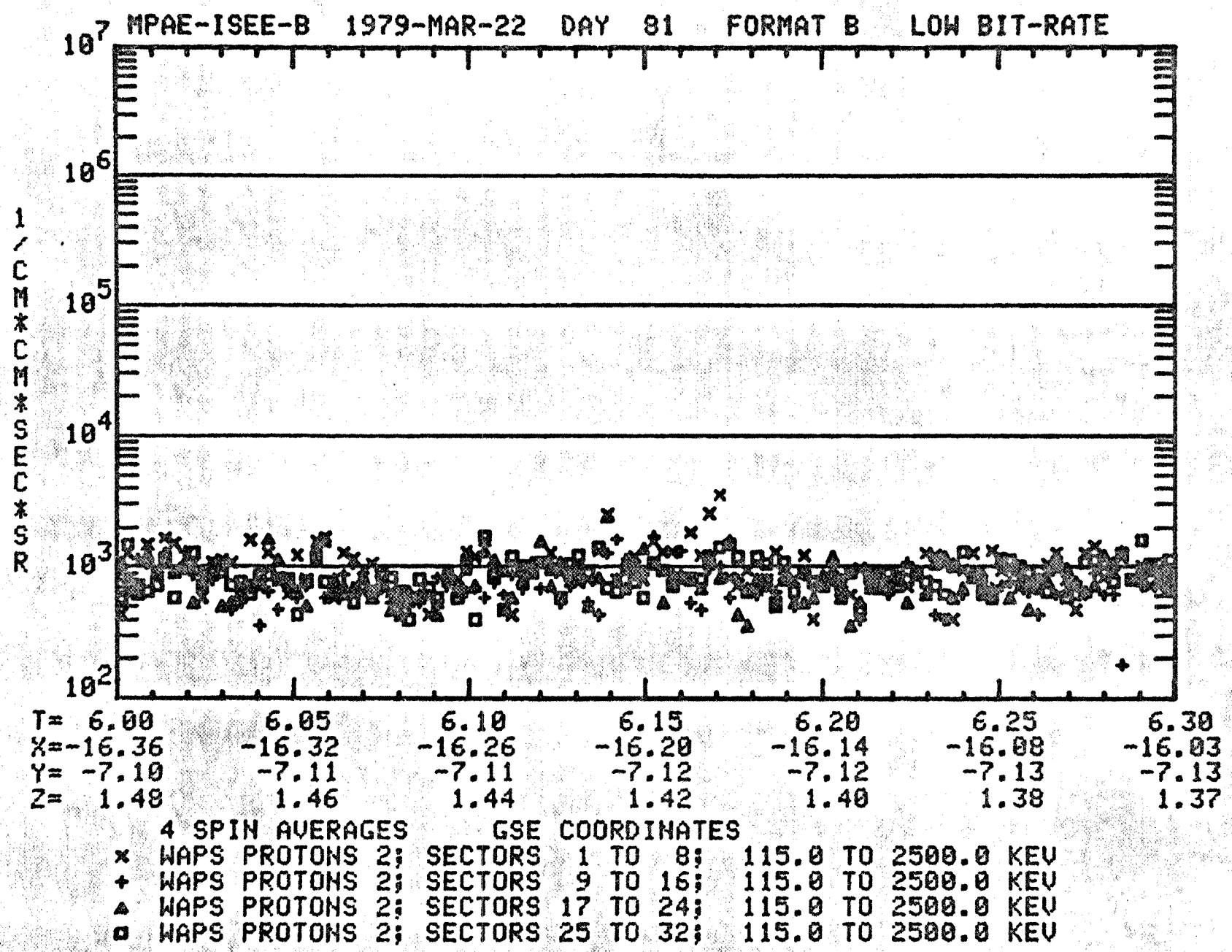
48 SPIN AVERAGES GSE COORDINATES

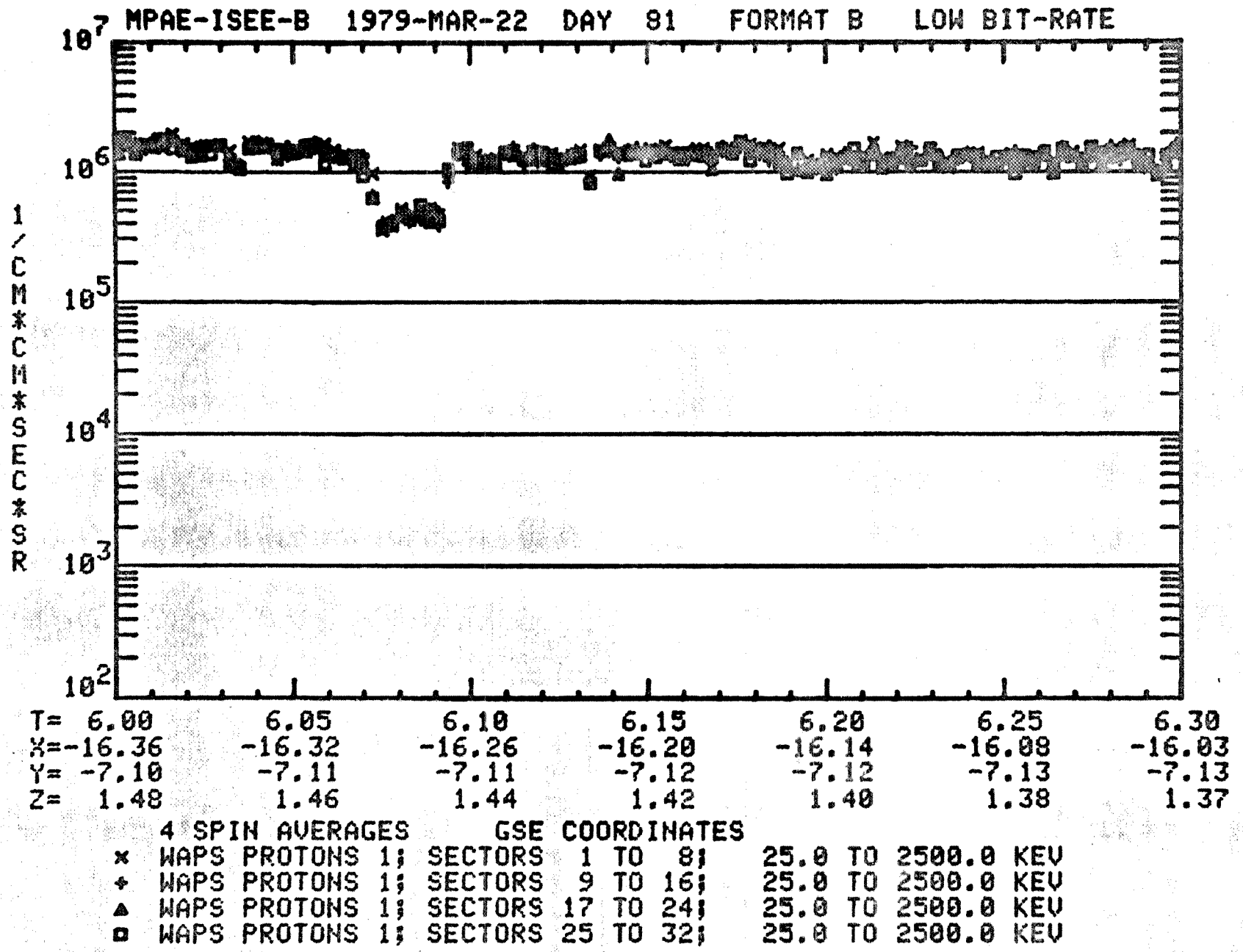
× WAPS ELECTRONS 1; 20.2 TO 49.4 KEV

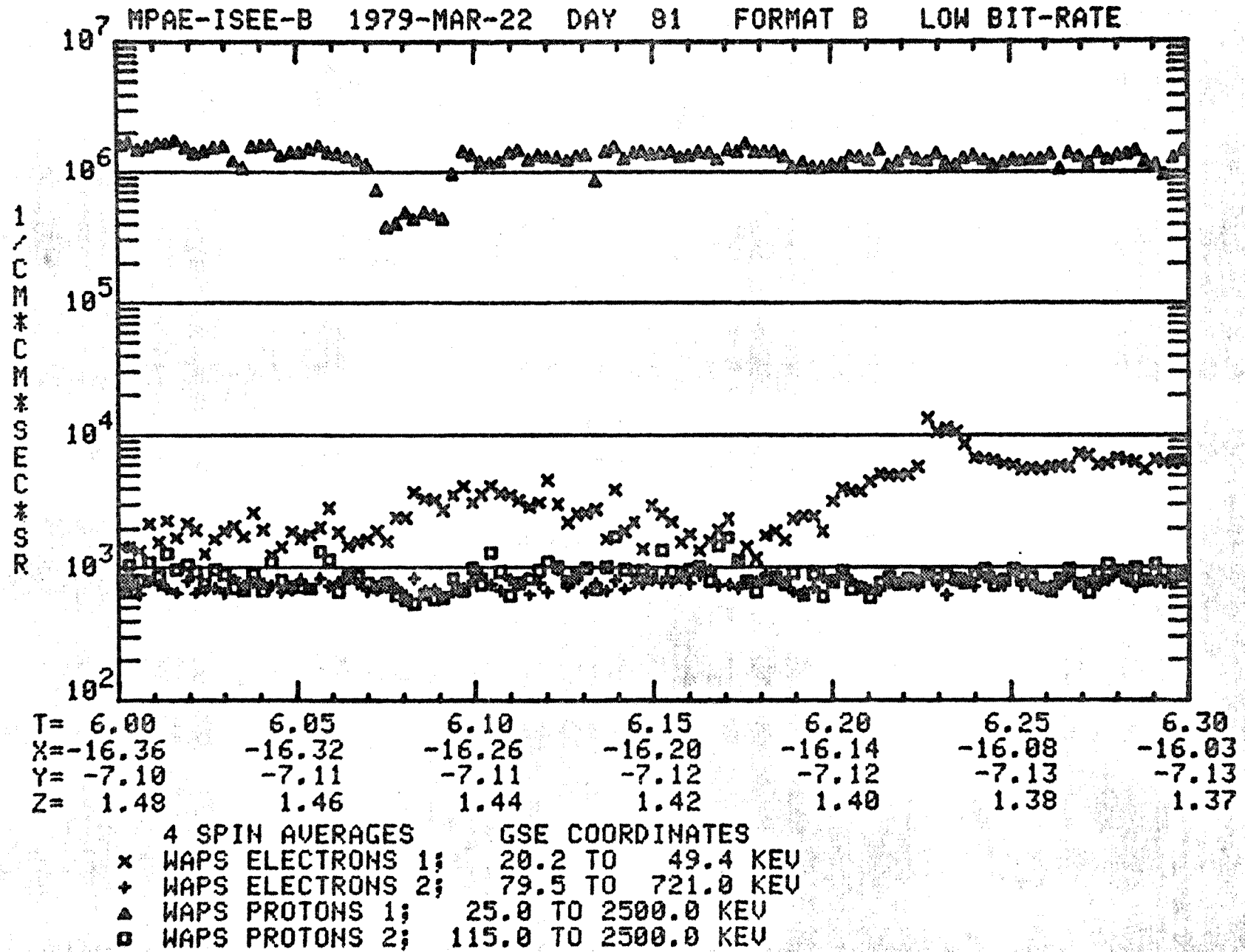
\+ WAPS ELECTRONS 2; 79.5 TO 721.0 KEV

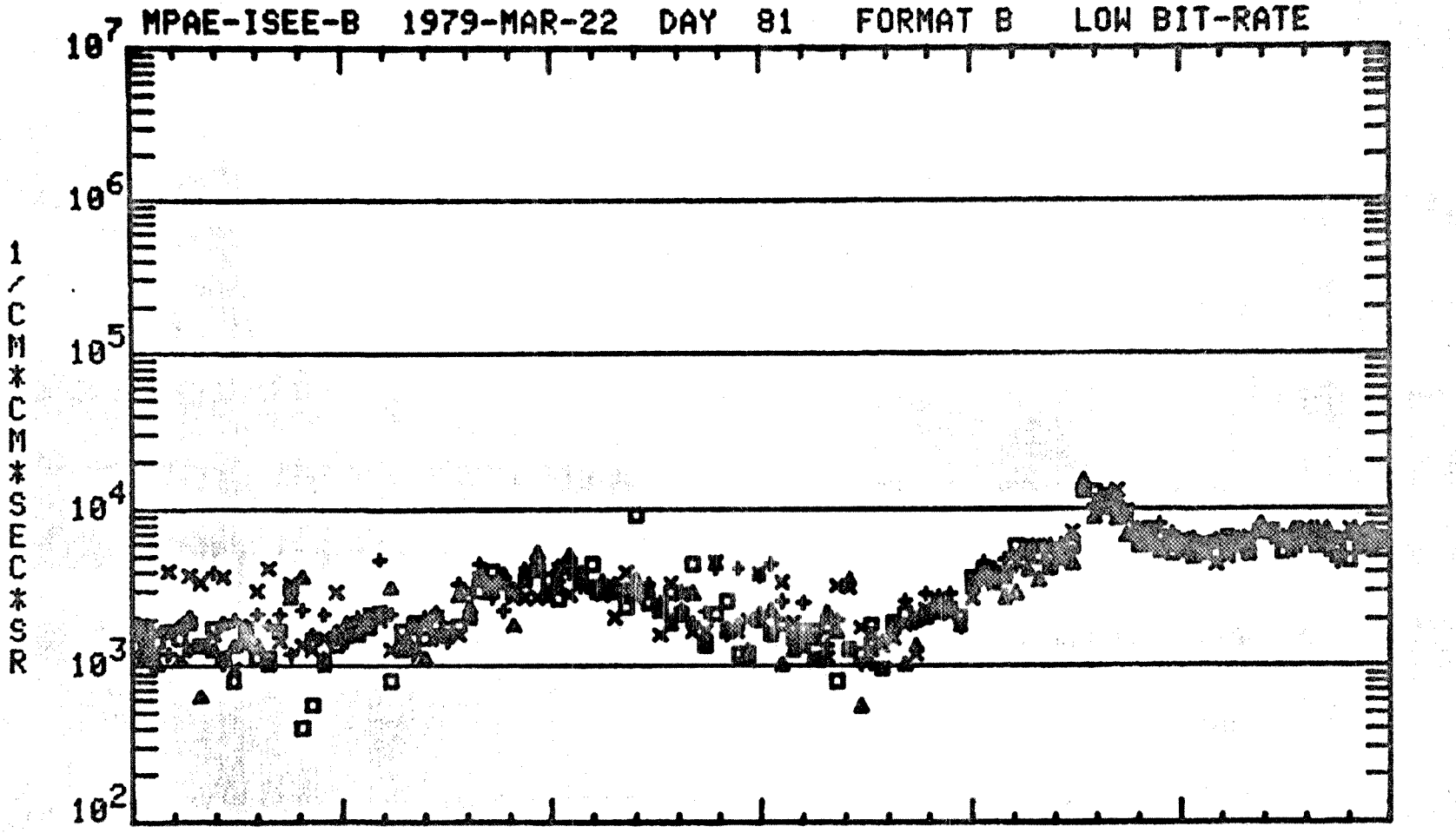
▲ WAPS PROTONS 1; 25.0 TO 2500.0 KEV

□ WAPS PROTONS 2; 115.0 TO 2500.0 KEV


MPAE-ISEE-B 1979-MAR-22 DAY 81 FORMAT B LOW BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 6.00 6.05 6.10 6.15 6.20 6.25 6.30
X=-16.36 -16.32 -16.26 -16.20 -16.14 -16.08 -16.03
Y= -7.10 -7.11 -7.11 -7.12 -7.12 -7.13 -7.13
Z= 1.48 1.46 1.44 1.42 1.40 1.38 1.37
4 SPIN AVERAGES GSE COORDINATES
× WAPS PROTONS 2; SECTORS 1 TO 8; 115.0 TO 2500.0 KEV
+ WAPS PROTONS 2; SECTORS 9 TO 16; 115.0 TO 2500.0 KEV
▲ WAPS PROTONS 2; SECTORS 17 TO 24; 115.0 TO 2500.0 KEV
□ WAPS PROTONS 2; SECTORS 25 TO 32; 115.0 TO 2500.0 KEV


MPAE-ISEE-B 1979-MAR-22 DAY 81 FORMAT B LOW BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 6.00 6.05 6.10 6.15 6.20 6.25 6.30
X=-16.36 -16.32 -16.26 -16.20 -16.14 -16.08 -16.03
Y= -7.10 -7.11 -7.11 -7.12 -7.12 -7.13 -7.13
Z= 1.48 1.46 1.44 1.42 1.40 1.38 1.37
4 SPIN AVERAGES GSE COORDINATES
× WAPS PROTONS 1; SECTORS 1 TO 8; 25.0 TO 2500.0 KEV
+ WAPS PROTONS 1; SECTORS 9 TO 16; 25.0 TO 2500.0 KEV
▲ WAPS PROTONS 1; SECTORS 17 TO 24; 25.0 TO 2500.0 KEV
□ WAPS PROTONS 1; SECTORS 25 TO 32; 25.0 TO 2500.0 KEV

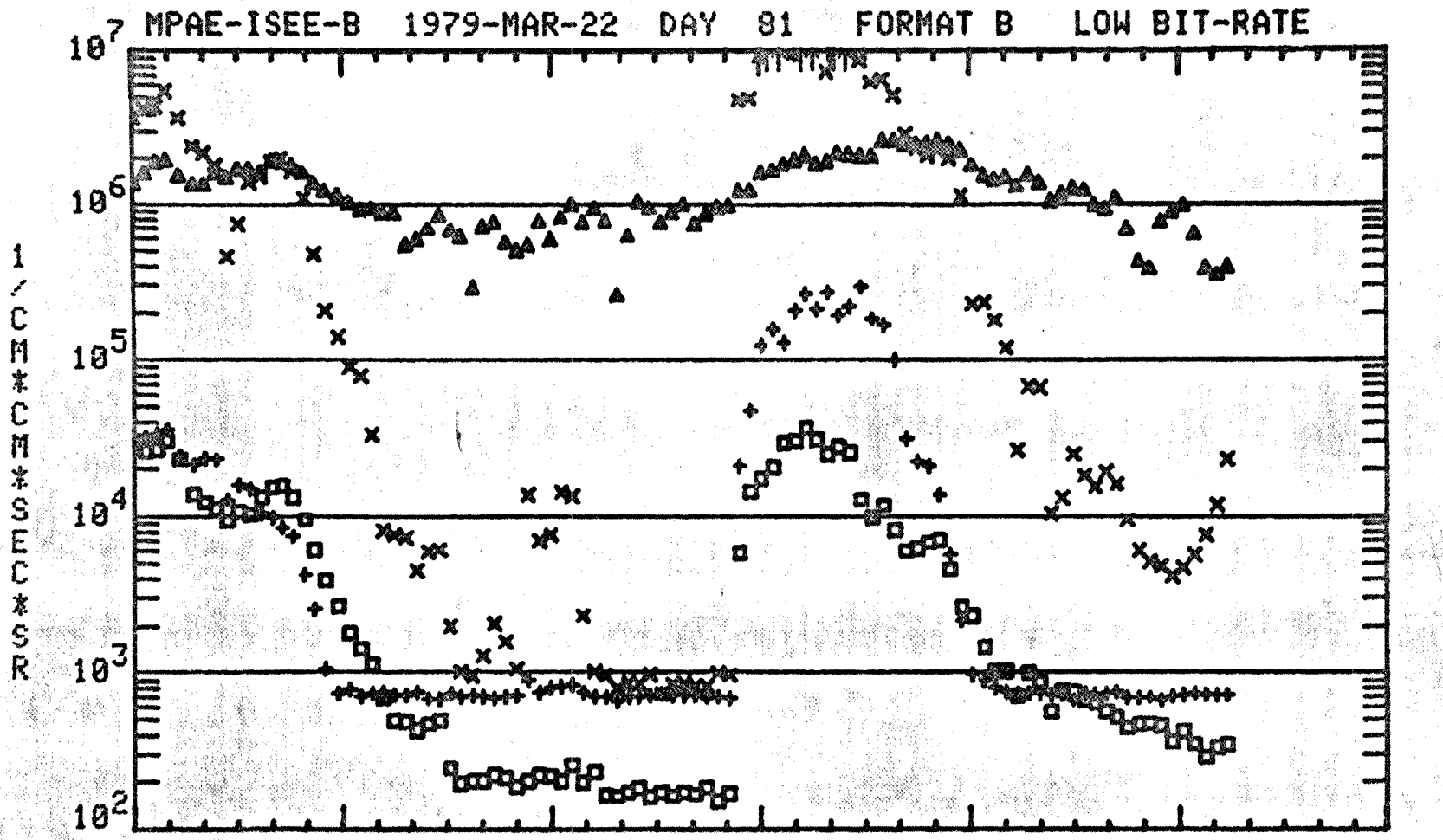

MPAE-ISEE-B 1979-MAR-22 DAY 81 FORMAT B LOW BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 6.00 6.05 6.10 6.15 6.20 6.25 6.30
X=-16.36 -16.32 -16.26 -16.20 -16.14 -16.08 -16.03
Y= -7.10 -7.11 -7.11 -7.12 -7.12 -7.13 -7.13
Z= 1.48 1.46 1.44 1.42 1.40 1.38 1.37
4 SPIN AVERAGES GSE COORDINATES
× WAPS ELECTRONS 1; 20.2 TO 49.4 KEV
+ WAPS ELECTRONS 2; 79.5 TO 721.0 KEV
△ WAPS PROTONS 1; 25.0 TO 2500.0 KEV
□ WAPS PROTONS 2; 115.0 TO 2500.0 KEV

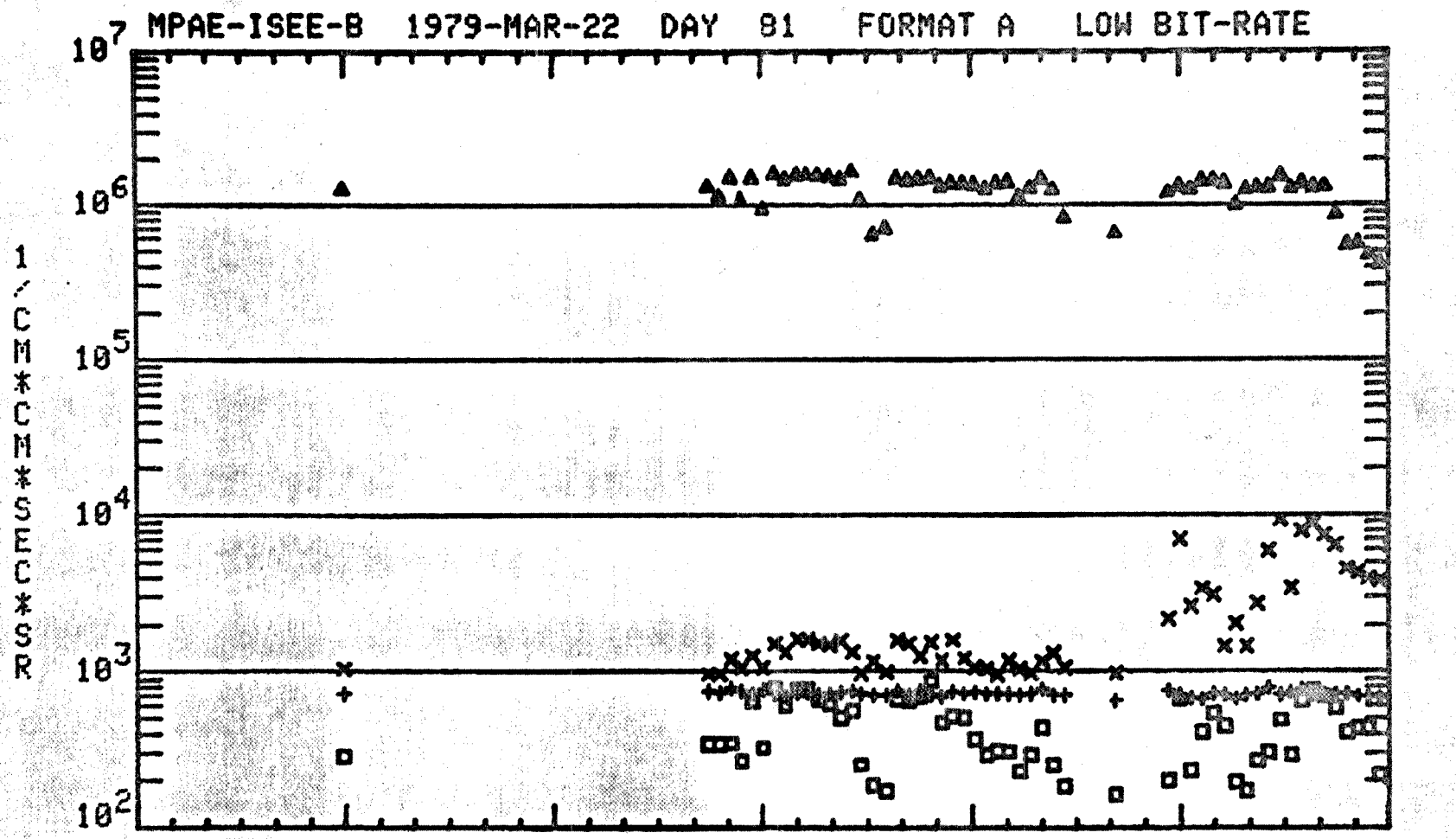


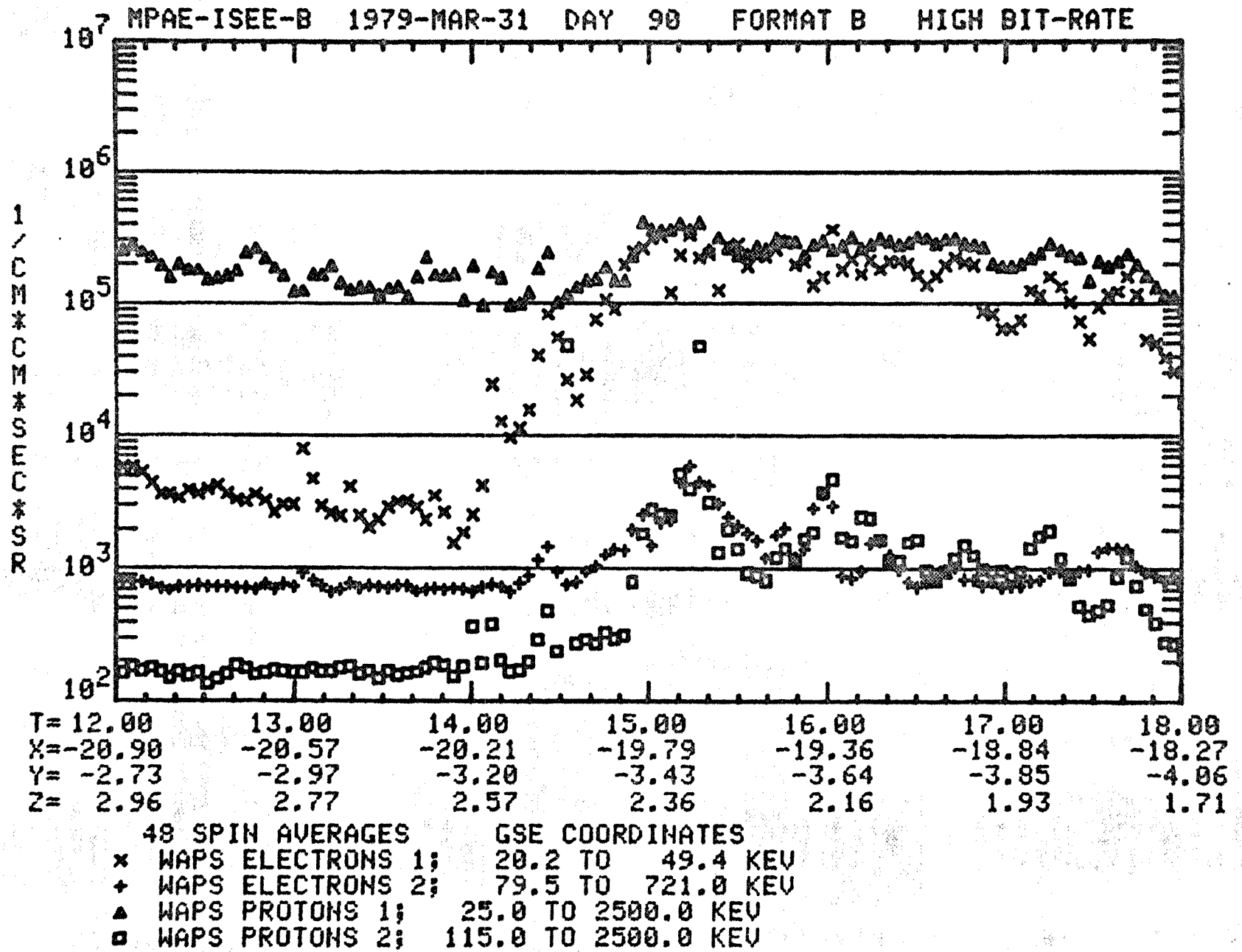
T=	6.00	6.05	6.10	6.15	6.20	6.25	6.30
X=	-16.36	-16.32	-16.26	-16.20	-16.14	-16.08	-16.03
Y=	-7.10	-7.11	-7.11	-7.12	-7.12	-7.13	-7.13
Z=	1.48	1.46	1.44	1.42	1.40	1.38	1.37

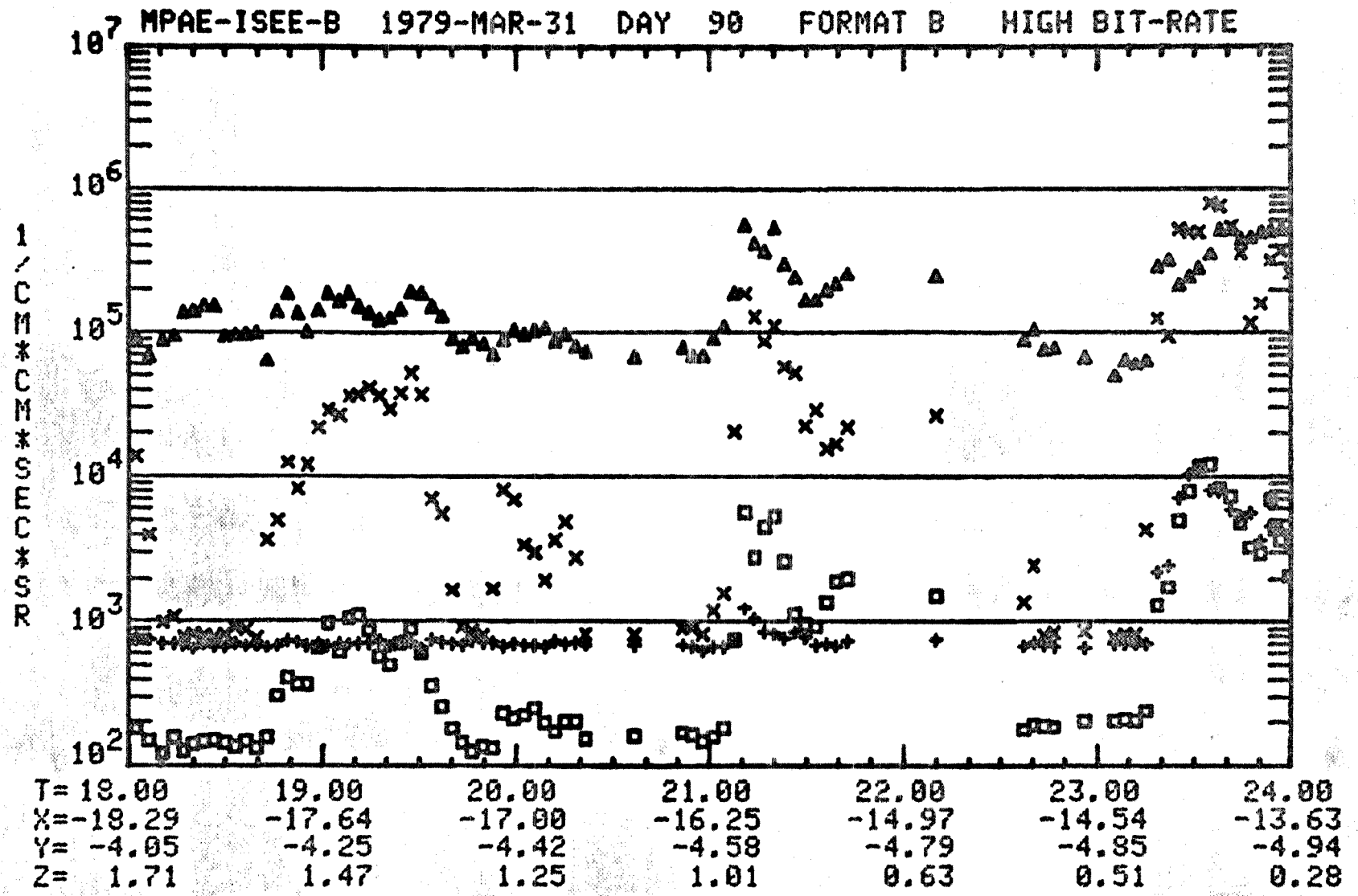
4 SPIN AVERAGES GSE COORDINATES

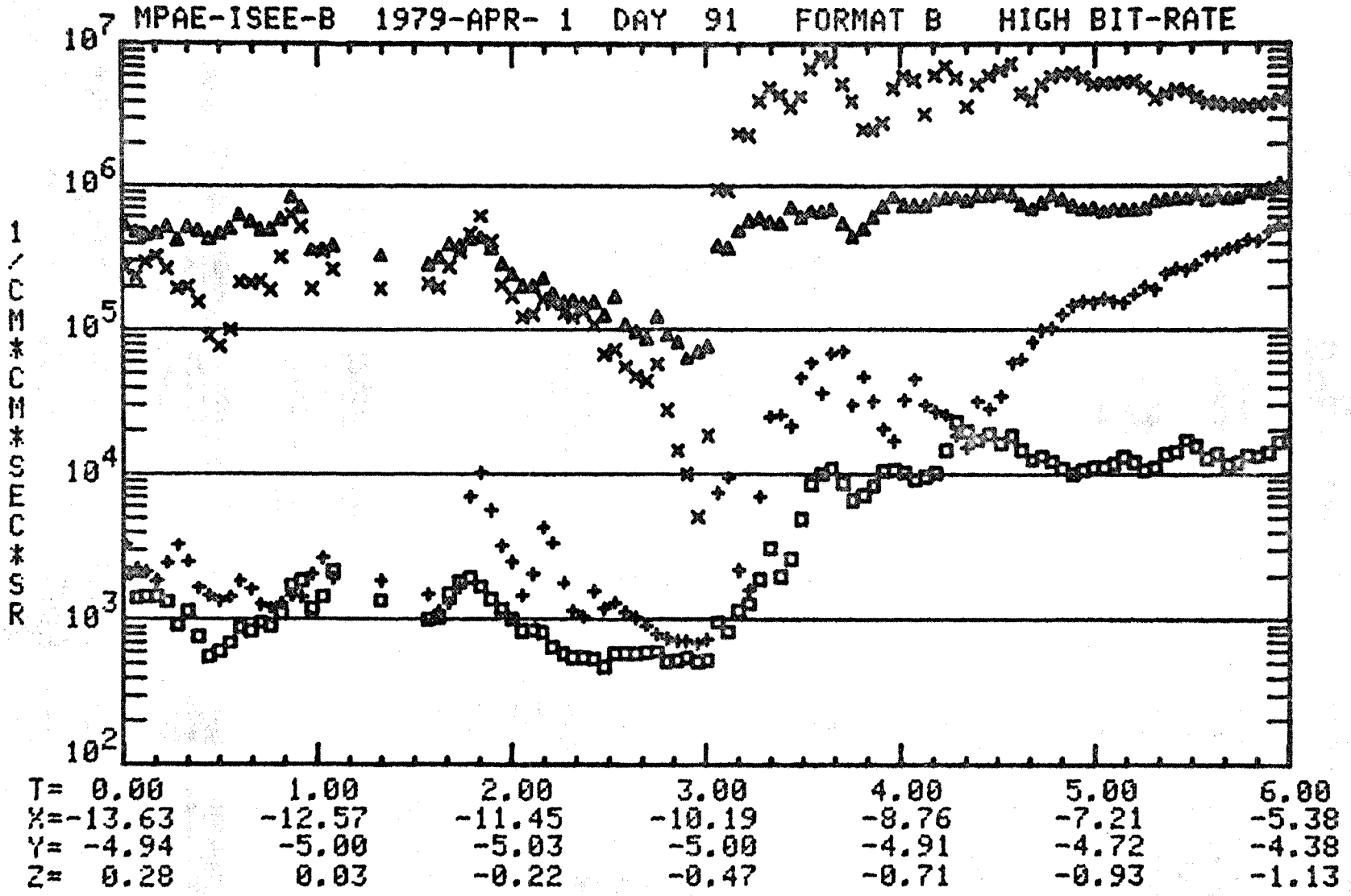
×	WAPS ELECTRONS 1;	SECTORS 1 TO 8;	20.2 TO	49.4 KEV
+	WAPS ELECTRONS 1;	SECTORS 9 TO 16;	20.2 TO	49.4 KEV
▲	WAPS ELECTRONS 1;	SECTORS 17 TO 24;	20.2 TO	49.4 KEV
□	WAPS ELECTRONS 1;	SECTORS 25 TO 32;	20.2 TO	49.4 KEV


MPAE-ISEE-B 1979-MAR-22 DAY 81 FORMAT B LOW BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 12.00 13.00 14.00 15.00 16.00 17.00 18.00
X=-10.99 -9.82 -8.50 -7.05 -5.40 -3.61
Y= -6.92 -6.73 -6.45 -6.07 -5.53 -4.79
Z= -0.01 -0.26 -0.52 -0.76 -0.99 -1.16
48 SPIN AVERAGES GSE COORDINATES
× WAPS ELECTRONS 1; 20.2 TO 49.4 KEV
+ WAPS ELECTRONS 2; 79.5 TO 721.0 KEV
△ WAPS PROTONS 1; 25.0 TO 2500.0 KEV
□ WAPS PROTONS 2; 115.0 TO 2500.0 KEV


MPAE-ISEE-B 1979-MAR-22 DAY 81 FORMAT A LOW BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 18.00 19.00 20.00 21.00 22.00 23.00 24.00
X= -2.36 -3.11 -5.24 -7.00 -8.58
Y= 3.08 3.24 3.47 3.48 3.38
Z= 2.07 2.36 3.06 3.56 3.95
48 SPIN AVERAGES GSE COORDINATES
× WAPS ELECTRONS 1; 20.2 TO 49.4 KEV
+ WAPS ELECTRONS 2; 79.5 TO 721.0 KEV
▲ WAPS PROTONS 1; 25.0 TO 2500.0 KEV
□ WAPS PROTONS 2; 115.0 TO 2500.0 KEV


MPAE-ISEE-B 1979-MAR-31 DAY 90 FORMAT B HIGH BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 12.00 13.00 14.00 15.00 16.00 17.00 18.00
X=-20.90 -20.57 -20.21 -19.79 -19.36 -18.84 -18.27
Y= -2.73 -2.97 -3.20 -3.43 -3.64 -3.85 -4.06
Z= 2.96 2.77 2.57 2.36 2.16 1.93 1.71
48 SPIN AVERAGES GSE COORDINATES
× WAPS ELECTRONS 1; 20.2 TO 49.4 KEV
+ WAPS ELECTRONS 2; 79.5 TO 721.0 KEV
▲ WAPS PROTONS 1; 25.0 TO 2500.0 KEV
□ WAPS PROTONS 2; 115.0 TO 2500.0 KEV


MPAE-ISEE-B 1979-MAR-31 DAY 90 FORMAT B HIGH BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 18.00 19.00 20.00 21.00 22.00 23.00 24.00
X=-18.29 -17.64 -17.00 -16.25 -14.97 -14.54 -13.63
Y= -4.05 -4.25 -4.42 -4.58 -4.79 -4.85 -4.94
Z= 1.71 1.47 1.25 1.01 0.63 0.51 0.28
48 SPIN AVERAGES GSE COORDINATES
WAPS ELECTRONS 1; 20.2 TO 49.4 KEV
WAPS ELECTRONS 2; 79.5 TO 721.0 KEV
WAPS PROTONS 1; 25.0 TO 2500.0 KEV
WAPS PROTONS 2; 115.0 TO 2500.0 KEV


MPAE-ISEE-B 1979-APR- 1 DAY 91 FORMAT B HIGH BIT-RATE
10^7
10^6
10^5
10^4
10^3
10^2
1/CM*CM*SEC*SR
T= 0.00 1.00 2.00 3.00 4.00 5.00 6.00
X=-13.63 -12.57 -11.45 -10.19 -8.76 -7.21 -5.38
Y= -4.94 -5.00 -5.03 -5.00 -4.91 -4.72 -4.38
Z= 0.28 0.03 -0.22 -0.47 -0.71 -0.93 -1.13
48 SPIN AVERAGES GSE COORDINATES
× WAPS ELECTRONS 1; 20.2 TO 49.4 KEV
+ WAPS ELECTRONS 2; 79.5 TO 721.0 KEV
▲ WAPS PROTONS 1; 25.0 TO 2500.0 KEV
□ WAPS PROTONS 2; 115.0 TO 2500.0 KEV

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102B-07B

DATE DATA RECEIVED: 2/23/83

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 mag tape

SATELLITE NAME/NSDF NAME: see 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: Part. Spec. Eng. elect. + Protons

CONTACT: _____ ACQUISITION SCIENTIST: HKH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: ☐ A NEW DATA SET ☒ ADDITIONS ☐ REPLACEMENTS ☐ OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 516954

REMARKS:

DATA RECEIPT NOTIFICATION SENT? ☐

Linda Moran

DATA TECHNICIAN

D-35057
B-07B
11/03/77-11/21/77

DUMP OF TAPE X-216

INPUT TAPE X-216 ON MS2
DATA INPUT H9 NF 7 FL 1 1 1 SR 7 1 1 SR 7 LAST 1

FILE	1 RECORD	1 LENGTH	7614BYTES							
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(40)	5[illegible]D65[illegible]AD	4FA94D9E	47D94995	[illegible]	489[illegible]47A7	4E944694	48B94794	45A246D8	45D8[illegible]	[illegible]000
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(160)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(200)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(240)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(280)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF 003
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(520)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(560)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(600)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFCCC6	C0C74BD2	4AF04CA0	4AA04CA0	49A748FA
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(720)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
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(1080)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	4BE34CC2	4CC24AEE	47F849F1	4ADD4AC5	48F14580
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(1400)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
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(1760)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1800)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF 018
(1840)	[illegible]12 4BB4	4AA 4AF[illegible]	4CA[illegible]4BC8	49A748A7	49A749A7	49FA4FEF	5[illegible]DA5[illegible]AD	4F8E4D83	[illegible]00C0000	[illegible]0000030
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(2000)	FFFFFFFF	FFFFFFFF	FFFFFFFF	4BF 4CDD	4CBB4AFC	488A4A85	4AED4AC5	49A147A1	48834888	48E[illegible]479E
(2040)	469E46C4	47E34790	44A5[illegible]000	44AA4588	45CC[illegible]00C	0CCC4397	45970000	[illegible]C0C0	[illegible]000	[illegible]000
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(5760)	00000000	00000000	00003DEB	3FEB0000	00000000	00000000	00000000	00000063	38D4AA0	0000AAD
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(5840)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(5880)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(5920)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
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(6080)	00000000	3CAE0000	00003DAE	3DAE0069	03A74B96	4AFC4AA0	4BC84BC8	499C48FA	49D149A7	48FA4CC0
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(6160)	00000000	468F0000	45890000	00004789	0000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6200)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6240)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6280)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6320)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6360)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6400)	03B34B96	4AA04BC8	4BFC4AAC	49BC48FA	49D148FA	4A924C9C	4CB54C88	4C9A4C9A	00000000	00000000
(6440)	0000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6480)	FFFF0000	00000000	00000000	40B90000	00000000	42E90000	00000000	00000000	409C0000	0000419C
(6520)	419C40AE	000041AE	40AE40AE	409D4C9D	409D0000	419D0000	00000000	00000000	3ED20000	40D20000
(6560)	00003FA0	41A00000	00000000	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6600)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6640)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6680)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF006F	03BF4AF0	4AA04BC8	49AC4BA0	49D149A7
(6720)	48FA49D1	4AA74CB3	4CAC4CBE	4CB54CAC	48914891	48914891	4891FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6760)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6800)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(6840)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	468A46A5
(6880)	46DD44DD	45DD0000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(6920)	00000000	00000000	00000000	00000000	00000000	00000000	00004DEF	42EE0000	00000000	00000000
(6960)	00000000	00004088	00000000	00004288	00000000	00000000	00000000	00000000	00000000	00000000
(7000)	00000000	00000072	03CB4AF0	4AF04AF0	49AC4BC8	49BC48FA	48FA49FA	49FA4CA5	4C9A4CD0	4CC74BC7
(7040)	48FD0000	49D94991	4991FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7080)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7120)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7160)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	458A44DD	0000440D	46A50000	00000000	00000000
(7200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00004109	00004309	00000000
(7240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00004088	00000000	42880000
(7280)	00000000	00000000	00000000	00000000	00000000	3BAE0000	00000000	3DAE0078	03E54AB4	0000AAD
(7320)	4BA04AF0	49A747A7	49A748A7	4ABC4CA1	4C914CBE	4BFD4CB5	47D94891	48914891	00000000	00000000
(7360)	00000000	00000000	00000000	00000000	00000000	00000000	45890000	00004789	0000FFFF	FFFFFFFF
(7400)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7440)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7480)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7520)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7560)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(7600)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF						

FILE 7 RECORD 36 LENGTH 7614BYTES

(0)	00C70024	001407B9	C145000F	003A0029	03BD4BAA	4AF04BA0	4BF04BA0	48E548FA	48FA48FA	48A74F9D
(40)	4FAC4FAE	4FE24FAA	48D90000	49D94891	4991FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF

D-56454
3/22/79 - 4/1/79

DUMP OF TAPE X400

INPUT TAPE X4[illegible] ON MT4
DATA INPUT H9 NF 2 FL 2 1 0

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FILE 1 RECORD 1 LENGTH 7614BYTES

(0)	00010001	0C197BB	00610006	00000000	01634B2B	4A9F4BC7	4B9F4AEF	4AA549F8	4ACF4AA5	4AA555C6
(40)	55DC55CF	55AB55C1	4AF34890	4BB44BC6	4AB446DD	47934693	46934793	45D70000	46D745D7	45D70000
(80)	00000000	00000000	00000000	00000000	0000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(120)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(160)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(200)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(240)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(280)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF0003
(320)	1844BE5	4C8B4BC7	4BEF4BC7	4A8C47A5	4AE44ACF	49CF55CD	55DC55CA	55AF55E1	4AAB4990	4A904AD8
(360)	4AFCFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(400)	FFFF3F83	00004183	00000000	00000000	00000000	0C000000	00000000	00000000	409A0000	419A419A
(440)	0003EAD	000000000	000040AD	3E9B0000	409B0000	0C004DDD	00000000	42B140B1	409C0000	429C0000
(480)	0003EE	000042EE	429F419F	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(520)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(560)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(600)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF0006	01A54B9F	4AEF4B9F	4BEF4AEF	4ABF4ACF
(640)	4B9B4A91	49CF55BE	55E155C6	55A655AB	4AB44AFC	4AD84AFC	0000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(680)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(720)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(760)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	52BE52B9
(800)	52C65289	52C0509C	50B050A8	50885090	4F9B4FD1	4F9D4F83	4EF84E8C	4ECD4E85	4DF74DC3	4C844CED
(840)	4C864B82	4B884A9	49FD49D8	48C248DB	47A248A2	47B946A7	45DF4593	468444EC	459343EC	42DD43B1
(880)	42B143B1	00004187	00004287	42870000	00000000	0C000000	00003DEA	00000000	3FEA0000	00000000
(920)	00000000	00000009	01C64BC7	4AEF4BEF	4C9F4AEF	4AAB4ABA	4AA54AE4	49CF55D3	55F755CF	55A655E1
(960)	4AAB4990	4AFC4AD8	4A9CFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1000)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1040)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1080)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	52C352C0	52C652C0	52C650A4	50B850A0	50885080
(1120)	4FB24FDE	4FB04F83	4FB74EA4	4ED84E90	4DE24EB9	4C9B4CE5	4C884BAA	4CA94A8C	4AE34A85	49804A8B
(1160)	47B548AB	47B04594	47A745A2	45EC45CE	43EC4593	43DD42B1	45B442B1	43B141CB	00004387	42870000
(1200)	43C70000	00004107	41C73DEA	3FEA0000	00000000	3EAD0000	3DAD0000	0000000F	02054BBD	4AEF4A9F
(1240)	4CC74B9F	4ACF4AA5	49F84BB0	4ABA55D1	55DC55C6	55C655DC	4BEE4BB4	4AB44BEA	4CE14781	47934693
(1280)	47DD4693	45D70000	00047A1	45D70000	00000000	00000000	47884788	47884888	0000FFFF	FFFFFFFF
(1320)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1360)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1400)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1440)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1480)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1520)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF0012	022C4C86	4DC7499F	4A9F4B9F	4A914ACF	4A914AA5	48F855C3
(1560)	55D855B8	55A855D3	4ABD4C87	4AB44890	C000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1600)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF3F83	41830000	00000000	00000000	00000000	000041B9
(1640)	42B942B9	00000000	409A0000	419A419A	00003FAD	0C004CAD	00004CAD	40C2419B	0000409B	419B4084
(1680)	42B40000	00000000	4CD04DD0	0000429C	00004009F	419F419F	00000000	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1720)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1760)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1800)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF0015
(1840)	024D4ADB	00004B9F	4B9F4AEF	4ACA4BB0	49A54ABA	4ABA55D1	55C655EA	55D355C1	4AE14A90	49D84AD8
(1880)	4BD8FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1920)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1960)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(2000)	FFFFFFFF	FFFFFFFF	FFFFFFFF	52C152B2	52C652C6	52C6509C	50905DA8	50A05098	4FA04FA3	4FB74F9D
(2040)	4F894E99	4E954EB9	4E954E80	4C8B4C88	4C994C90	4BF649C6	49CB49D8	49CB49AC	479D4882	46A74782
(2080)	479D4593	44B14593	459345CE	439B42B1	42B14484	43B14087	00000000	42870000	3EC70000	00000000
(2120)	43C73DEA	00003FEA	00000000	3D820000	3DAD3EAD	00000018	026E4B95	00004C9F	4AEF4B9F	4A964AA5
(2160)	48F84A91	4AE455D8	55D355E5	55D355D3	4AA24AD8	4AB449D8	4A90FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(2200)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(2240)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	358	358	7614	0	0	0	0	0	0

1979 90

FILE 2 RECORD 1 LENGTH 7614BYTES

(0)	00525061	0019077BB	005A6000	00000013	03114DA6	4DC74DA9	4D8B4D9F	4ACF4BC4	4A9149F8	4AA553C2
(40)	53F653B2	539C53C4	49B3488F	488F4A8F	4A8FFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(80)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF42C5	44834183	41834283	42E54489	42B742B7	00000000
(120)	00000000	00000000	3F9A419A	00000000	00003EAD	00000000	40AD0000	40C2419B	409B409B	409B4084
(160)	40B141B1	00000000	3FD00000	40D00000	40D03F9F	00000000	0000419F	FFFFFFFF	FFFFFFFF	FFFFFFFF
(200)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(240)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(280)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF0017
(320)	02424DBA	4CDB4D9F	4E904DBD	4ACF4A91	4B9149F8	4B8653A6	53C553AC	53A35383	488F0000	488F498F
(360)	488FFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(400)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(440)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(480)	FFFFFFFF	FFFFFFFF	FFFFFFFF	51E251FA	51F051EA	51B44E84	4EA24E8B	4E8A4DAC	4B8F4BB2	4BA54B9B
(520)	4A9648AC	48B948A4	48E247E2	44CB0000	44874587	45CB43FA	44C843C8	43C843C8	42940000	00004394
(560)	43940000	00000000	00000000	00000000	00000000	00000000	00000000	3EC70000	000040C7	
(600)	00000000	00000000	00000000	3BAD0000	3DAD00C0	0000001B	01734DB8	4DE54CDB	4DD14DBD	4B9B4BB0
(640)	4AE44B9B	4BB053C6	5489539C	53C253A9	47D70000	49D70000	0000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(680)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(720)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(760)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	51F9528A
(800)	51D15282	51FA4E9F	4ED44DD5	4EA74E94	4BED4CC2	4B844BED	4BBD49AA	4AB34885	49B3489A	45FE4787
(840)	44874687	458741C8	43C80000	00000000	41940000	00004394	00000000	00000000	00000000	00000000
(880)	00000000	00004087	00004287	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(920)	00000000	0000001F	03974DB0	4DC74CC7	4DC74DD1	4AB04A91	4ABA4B91	49A55395	538C539A	53B252F9
(960)	47070000	488F498F	00004906	4A814793	49EF4A81	478646D7	46D747A1	47A1478E	468E488E	000047D5
(1000)	45880000	00000000	4788FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1040)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1080)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1120)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1160)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1200)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF0023	02C74DA1	4DBD4DB3
(1240)	4D814D95	4ACA4ABA	49CF4AE4	4B9153A2	53A553BE	53AA52F7	468F0000	00004B8F	0000FFFF	FFFFFFFF
(1280)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF41C5	42C54183
(1320)	42830000	42E543B7	43B70000	42B741B9	00000000	42B942B9	409A429A	00000000	00003FAD	00000000
(1360)	00004 1AD	40C2419B	000041E9	00004CB1	00004081	40B141B1	409C0000	000041D0	40D03F9F	00000000
(1400)	00004 19F	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1440)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1480)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1520)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFF0027	01F94DB0	4DEF4D81	4DB34D9F	4AFE4AF8	4ABA4B9B	4B8652E8
(1560)	539 52E9	53815293	488F0000	00004A8F	0000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1600)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1640)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1680)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	51A851C1	51B251C0	50DE4DA4
(1720)	4DDF4D99	4DCC4C98	4AA34AC7	49EB4AD7	49F24895	48E946A4	498047E2	45A94587	44874487	46CB44C8
(1760)	00004596	45C843C8	41940000	00004394	00000000	0C000000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	3EC70000	000040C7	00000000	00000000	00000000	00000000	00000000	0000002C
(1840)	00364DA4	4D9F4C9F	4DC74DDB	4AD94B8A	49CF4AE4	4AA552B1	52D352B0	529852AA	468F488F	00000000
(1880)	2000FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1920)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(1960)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(2000)	FFFFFFFF	FFFFFFFF	FFFFFFFF	518A519C	51955DE9	51844CEE	4D974CFF	4CC14CC9	4A824A8C	4A8F49EB
(2040)	49F247BE	47B947E2	46F647E2	44CB4487	00004587	45CB43FA	43C843C8	43C844C8	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	3EC740C7	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	0C000000	0CCCCC2F	034E4D97	4DBD4D95	4DBD4C9F	4ACA4ACF
(2160)	4AE44ABA	4ABA52CA	52B052BC	52B65383	478F0000	488F488F	00004985	48DD48DD	49DD48B8	47864707
(2200)	488645D7	00004605	478E478E	468E468E	47EE49AA	47880000	4788FFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(2240)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF
(2280)	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF	FFFFFFFF

ISEE 1

DC ELECTRIC FIELD HFSRD DATA ON TAPE

77-102A-11A SPMS-00295

This data set has been restored. There were originally two 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005066	DS005066	D034062	1 - 3	11/04/77 - 01/01/78
		D035097	4	11/03/77 - 01/07/79

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD2651	MJT

ISEE 1

DC ELECTRIC FIELD LEG 4

77-102A-11A

This data set catalog consists of 2 data tapes. The tapes are 9 track, Binary, 1600 BPI, with 3 files of data. The tapes were created on an BIM 360 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-34062	C-20644	11/04/77 - 1/01/78
D-35097	C-20700	11/03/77 - 1/07/79

D-35097
ISEE-1
11/03/77-11/07/79
A-11A

DUMP OF TAPE X476

INPUT TAPE X476 ON MS1
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 4096BYTES

(0)	40F44C9	E2C5C56	F14C5E7	D7F84C4	C1E3C14	C6D6D94	E2D9C44	D7D3E3E2	4D3F6E5	C2E9C8F9
(40)	61F2F961	F7F94C3	C1E2C5D3	C9E2E36	F24E3D6	4E9F3F3	F9F66BF1	4 4 4 4	4 4 4 4	4 4 4 4
(80)	C9E2C5C5	60C14DC5	E7D740F8	404E2C8	C9D7D7C9	D5C74C7	D9D6E4D7	4D5D64B	40404040	40404040
(120)	D9C5C5D3	40E2C5D8	40404040	40404040	C6C9D3C5	4CD5D64B	40404040	40404040	40404040	40404040
(160)	E2E3C1D9	E3C9D5C7	4E8C5C1	D944 4 40	4 4 4 4	4 4 4 4	4 4 4 4	4 4 D1C4	C1E84 4	4 4 4 4
(200)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	4 4 4 4	4 4 4 4	4 4 4 4
(240)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	C8D94040	40404040	D4C9D540
(280)	4 4 4 4	4 4 4 4	4E2C5C3	4044 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 C5D5C4	C9D5C74	4E8C5C1
(320)	4 4 4 4	4 4 4 4	4 4 D1C4	C1E84 4	4 4 4 4	4 4 4 4	4 4 4 4	D4C9D3D3	C9E2C5C3	4044 4 4
(360)	40404040	40404040	40404040	40404040	40404040	4C4C4040	40404040	40404040	40404040	40404040
(400)	4 4 4 4	4 4 4 4	4 4 4 4	C8D94 4	40404040	D4C9D540	40404040	40404040	40E2C5C3	40404040
(440)	4 4 4 4	4 4 4 4	4 4 4 4	404 4 4	404 4 4	4 4 4 4	4 D3C1E2	E34 C3D3	D6C3D24	E3C8C9E2
(480)	40C6C9D3	C5404040	40404040	40404040	40404040	4C4C4040	40404040	40404040	40D5C5E7	E54 C6C9
(520)	D3C540E2	E3C1D9E3	E240E8C5	C1D94040	40404040	4C4C4040	40D1C4C1	E8404040	40404040	40404040
(560)	D4C9D3D3	C9E2C5C3	4044 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4
(600)	40404040	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	C8D94 4	4 4 4 4	D4C9D54
(640)	40404040	40404040	40E2C5C3	40404040	40404040	4C4C4040	40404040	4 4 4 4	40404040	40404040
(680)	4 4 4 4	4 4 4 4	D5C5E7E3	40C3D340	D6C3D24	4 4 4 4	40404040	40404040	40404040	40404040
(720)	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	6CC4C1E3	C14 4 40	D9C5C3D6	E5C5D9E8	4 4 4 4	4 4 4 4
(760)	40404040	40404040	40D5D64B	40D6C640	D4C9D5D6	D94CC6D9	4D404040	4D404040	40404040	4 4 4 4
(800)	C2C9E340	D9C1E340	40404040	40404040	40404040	D6D9C240	40C4C1E3	C140C9E2	40404040	4 4 4 4
(840)	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	[illegible]	[illegible]
(880)	0C000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(920)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	0000L000
(960)	[illegible]	[illegible]	[illegible]	[illegible]	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1000)	[illegible]	[illegible]	[illegible]	[illegible]	43BE161C	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1040)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	[illegible]	[illegible]
(1080)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00 00000
(1120)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1160)	00 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1240)	[illegible]	[illegible]	[illegible]	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1280)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1320)	00000000	00000000	00000000	00000000	00000000	0CCC0000	[illegible]	[illegible]	[illegible]	[illegible]
(1360)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00 00000
(1400)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1440)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1480)	00000000	00000000	00000000	000J0000	00000000	0CCC0000	00000000	00000000	00000000	0000L000
(1520)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1560)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1600)	00000000	00000000	00000000	00000000	00000000	0CCC0000	000000 0	[illegible]	[illegible]	[illegible]
(1640)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	[illegible]	[illegible]
(1680)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1720)	00000000	00000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000
(1760)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1800)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000000	0CCC0000	00000000	00000000	00000000
(1840)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1880)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	[illegible]	[illegible]	[illegible]
(1920)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(1960)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(2000)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(2040)	00000000	00000000	00000000	00C00000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2080)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(2120)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(2160)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	[illegible]	[illegible]
(2200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2240)	[illegible]	[illegible]	47F F C	[illegible]	C1	E5D4C9D5	9 ECD C	184D9ECD	F 2 5 4	D 45 D 4 ZEC

(2320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2360)	00000000	00000000	00000000	00000000	4E000000	00000000	44753000	00000000	44EA6000
(2400)	00000000	00000001	00000002	00000258	44753000	44EA6000	00000000	00000000	00000000
(2440)	00000000	00000000	00107F30	00000000	00000000	00000000	00000000	00000000	00000000
(2480)	00000000	00000000	00000004	00000000	587D0AC	585CDCA8	5860D080	58F0D0A0	68BCF040
(2520)	6000D0C0	58F0D0A4	18165C00	F0245100	D1CC7840	00000000	D0C58A00	D0804180	00045880
(2560)	479CD17A	18388930	00025030	D0B01A9A	1A931849	1A467824	50003222	479CD16A	18495A40
(2600)	50001849	1A467D24	50001849	5A40D07C	70245000	18391A36	70635000	5A80D074	18388930
(2640)	1A367C43	50005880	7000182B	8920000	1A2A5A20	00000000	00000000	00000000	00000000
(2680)	58F0D0A0	6800F040	6A00D068	6C00F040	1BFF58E0	00000000	00000000	00000000	00000000
(2720)	D01C92FF	D000C07FE	47F0D0D0	00000000	47F0F00C	07CC2C9	C7D1E4D3	9DECD00C	184D98CD
(2760)	D0045000	4000807FC	00108CFE	00108A88	00108CE6	00000000	00000000	00000000	00000000
(2800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2840)	00000000	00000000	00000000	00108BD6	00108BD6	00108BF2	00108BF2	00108CB2	00108CDE
(2880)	00108CC6	00000000	00108B1C	80000000	00000000	00000001	00000002	00000003	00000004
(2920)	0000C00D	00000034	00003E8	00076C	00000000	00000000	00000000	00001F	00000038
(2960)	0000005A	00000078	00000097	000000B5	000000D4	00000F3	00000111	00000135	0000014E
(3000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(3040)	00000000	00000000	00000000	00000000	00000000	00129F68	00011C5A8	00000000	00000000
(3080)	58A0D0A4	41B003E8	18FA41E0	00C315FE	89F00002	472CD14E	58EFD04C	07FE5820	90C08E30
(3120)	50109004	18311C2B	13335A30	90005030	90004100	DCEC5000	D06C4100	D0AC5000	D0749280
(3160)	D06C58F0	D11C05EF	47000008	58009004	12004790	D1C25840	90048E40	00201D47	12444720
(3200)	00C41600	00014150	00341847	5823D0DC	1A26502	D0DC8734	D1B459A0	D0804790	D22A4100
(3240)	900C1849	58509000	18675880	90084130	000C4120	00015986	D0E04720	D1F65050	430C47F0
(3280)	8752D1E6	50504000	58209000	89200002	58009038	5BC2D0DC	50009010	18FA41E0	00C315FE
(3320)	472CD22A	58EFD05C	07FE5820	90C08920	00025800	90105A02	D0DC5000	90085820	98048E20
(3360)	D09C183B	1C225A30	90085030	90001BFF	58E0D0C0	07FE5880	D0045800	8C0C5810	801818D8
(3400)	92FFD00C	07FE5840	10005820	40005020	D0A447F0	D1280000	47F0F00C	0700C2C9	C7E3C9D4
(3440)	184D98CD	F02050A0	D0045000	4000807FC	00108F80	00108F38	00000000	00000000	00000000
(3480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(3520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	4E000000
(3560)	433E8000	00000000	00000000	00000001	00000002	00000004	0000003C	00000E10	00015180
(3600)	433E8000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	471F1338
(3640)	471E2850	00000000	00000000	00000000	00107F34	00129F98	00000000	00000000	586D0C4
(3680)	58BCD08C	41700004	19B64760	D12A6820	80006D20	DC6C2802	6E0CD058	60000050	58200054
(3720)	11226800	D0586000	D05C1222	474CD11C	502CD054	6A0CD050	47F0D126	10025000	D0546B00
(3760)	80B8598C	D07C476C	D13E6800	80086C00	D06E6000	8C0C58F0	D0C58A00	F0505000	80146860
(3800)	80141848	6840D0A8	18258E20	00201D27	12224760	D16A6840	D0B02B22	38246020	D0C82962
(3840)	6064A008	50547414	47F0D18C	1A562B62	47F0D154	2BCC68C0	80086E00	D0586000	D05C5830
(3880)	D1A41133	50308010	18438E40	C02A5D40	D08C1A56	5C5C8018	1B565C40	D0801893	1B951809
(3920)	5D00D07C	50108010	18515C40	DC7C18A9	1BA5180A	8ECCC020	5D00D078	50108020	18515C40
(3960)	1B355030	80247820	D0887C20	D0982B00	38022820	23226A20	80007C20	D0842B00	38026E00
(4000)	DC5C58C0	D05447A0	D2241100	5CCC8028	1BFF58E0	DCCCC7FE	588CD0C4	58E0804C	581C8018
(4040)	D01C92FF	D00C07FE	58401000	58204C00	502CD08C	47F0DCD0	47F0F00C	0700C3D3	C5D9C1E8
(4080)	9823F024	184D58D0	FD2C9034	D00C5CD0					

FILE	1	RECORD	549	LENGTH	4096BYTES				
(0)	49ED16E2	A0000000	00000004	00001258	00000004	00CCE25C	00000400	00CDC25C	00000000
(40)	00000000	000C024C	00000000	00CCD1D6	00000000	00CCC000	00000000	00000000	00000000
(80)	00000000	00000000	00000000	00000000	431130D9	433C6DD2	434FA92B	436EE554	438E2035
(120)	43CC9887	43EBD4B0	4410B1CD	4412A4D0	44149892	44168C55	44188003	441A73C5	441C6788
(160)	44204F0D	442242D0	44243692	44262A55	44281E03	442A11C5	442C0588	442DF94B	442FED0D
(200)	4433D492	4435C855	4437BC03	4439AFC5	443BA388	443D974B	443F8B0D	44417ED0	44437292
(240)	44475A03	44494DC5	444B4188	444D354B	444F290D	44511CD0	44531192	44550455	4456F8C3
(280)	445ADF88	445CD34B	445EC70D	446BAD0	4462AE92	4464A255	44669603	446889C5	446A7D88
(320)	446E650D	447058D0	44724C92	44744055	44763403	447827C5	447A1B88	447C0F4B	447E030D
(360)	4481EA92	4483DE55	4485D203	4487C5C5	4489B988	448BAD4B	448DA10D	448F94D0	44918892
(400)	44957C03	44976305	44995788	449B4B4B	449D3F0D	449F32D0	44A12692	44A31A55	44A50C5
(440)	44AAEA4B	44AED1D0	44B2B955	44B4AD03	44B6A0C5	44BA6848	44DF9F92	44E19355	44E37AC5
(480)	44E9624B	44ED49D0	44F90048	44FAF40D	44FCE7D0	44FED892	45100CF5	4510A86C	4510B9E4
(520)	451AC85D	4511D6D5	4511E61C	4511F54C	45118304	4511C23D	4512B0B5	45121FF0	45123F2C
(560)	4512BC1D	4512FA95	451319D0	4513390C	45137784	451396C0	4513B5FD	4513D539	4513F475
(600)	45147164	451490A0	4514AFDD	4514CF19	4514EE55	4515CD90	45152CCC	45154C08	45156B44
(640)	4515E835	45160780	451626BC	451645F8	45166534	4516A3AD	4516E225	4517.160	4517209C
(680)	45175F14	45177E50	45179D8D	4517BCC9	4517DC05	4517FB41	45181A7C	45183908	45185894

(3440)	40D70A3D	4123851E	4133851E	4124CCCC	41257CA3	41228F5C	40EB851E	411E147A	40A3D70A	411EB66
(3480)	412DC28F	411F5A3D	4122E147	41266666	41319999	4125C28F	41257CA3	4123851E	41151EB8	4127F5C2
(3520)	411D70A3	411D70A3	411F5C28	411BD70A	40147AE1	41166666	4115C28F	4 333333	41123D7	4 D1EB85
(3560)	40999999	411051EB	4110A3D7	411428F5	411947AE	411AE147	411DC28F	41175C28	41351EB8	41230 0A
(3600)	411EB851	41233333	411EB851	411E147A	41947AE	4114CCCC	4118F5C2	41166666	4117 A3D	411C28F5
(3640)	412147AE	411FAE14	411FAE14	4147AE14	411AE147	4124CCCC	411C7AE1	41851EB	411E851E	4 7AE147
(3680)	4117DA3D	408F5C28	411570A3	402E147A	41133333	4C8CCCCC	4114CCCC	411AE147	4118F5C2	4 8F5C28
(3720)	41199999	411051EB	411851EB	41175C28	41175C28	41228F5C	4118F5C2	4110F5C2	4117DA3D	411B3333
(3760)	4113D70A	411C51EB	411147AE	411147AE	4117DA3D	4128F5C2	411851EB	4 47AE14	411947AE	413 A3D7
(3800)	412 F5C2	412AE147	41219999	412851EB	4121EB85	413428F5	412CF5C2	4119EB85	411D7 A3	4116B851
(3840)	411B851E	411947AE	411D1EB8	41266666	411B851E	4C3D70A3	4117DA3D	401EB851	41151EB8	40FAE147
(388)	40A3D70A	4075C28F	40B851EB	4066666	411B3333	40B851EB	411E147A	4112E147	411851EB	41133333
(3920)	4118A3D7	4112E147	411 0000	40A8F5C2	4047AE14	3FF5C28F	406147AE	4 8A3D7	402E147A	4 FAE147
(3960)	4111EB85	40D70A3D	411 0000	4111EB85	00000000	0CCC0000	00000000	00000000	00000000	0000 000
(4000)	00000000	00000000	00000000	00000000	00000000	0CCCCCCC	00000000	00000000	00000000	00000000
(4040)	00000000	00000000	00000000	00000000	00000000	0CCCCCCC	00000000	00000000	00000000	00000000
(4080)	00000000	00000000	00000000	00000000						

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	549	550	4096	0	3	0	0	3	3

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 10/05/79 15:44:05 STOP TIME 10/05/79 15:45:03

$$

D-34062
11/6-1177 - 1/6/178

DUMP OF TAPE X-212

INPUT TAPE X-212 ON MS2
DATA INPUT H9 NF 3 FL 1 1 1 SR 3 1 1 SR 3 LAST 1

FILE 1 RECORD 1 LENGTH 4096BYTES

(0)	40F440C9	E2C5C560	F140C5E7	D7F840C4	C1E3C140	C6D6D940	C8D9C4C4	40D7D3E3	E240D3F0
(40)	F761F1F9	61F7F940	E9F0F3F9	F26BE3F1	40E3D640	E9F0F3F9	F26BE340	40404040	40404040
(80)	C9E2C5C5	60C140C5	E7D740F8	404CE2C8	C9D7D7C9	D5C740C7	D9D6E4D7	40D5D640	40404040
(120)	D9C5C5D3	40E2C5D8	40404040	40404040	C6C9D3C5	40D5D64B	40404040	40404040	40404040
(160)	E2E3C1D9	E3C9D5C7	40E8C5C1	D9404040	40404040	40404040	40404040	40404040	40404040
(200)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(240)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(280)	40404040	40404040	40E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040
(320)	40404040	40404040	40D3D1C4	C1E84040	40404040	40404040	D4C9D3D3	C9E2C5C3	40404040
(360)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(400)	40404040	40404040	40404040	C8D94040	40404040	D4C9D540	40404040	40404040	40404040
(440)	40404040	40404040	40404040	40404040	40404040	40404040	40D3C1E2	E340C5D3	D6C3D240
(480)	40C6C9D3	C5404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(520)	D3C540E2	E3C1D9E3	E240E8C5	C1D94040	40404040	40404040	40D1C4C1	E2404040	40404040
(560)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(600)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	C8D94040	40404040
(640)	40404040	40404040	40E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040
(680)	40404040	40404040	D5C5E7E3	40C3D340	D6C3D240	40404040	40404040	40404040	40404040
(720)	40404040	40404040	40404040	40404040	6CC4C1E3	C1404040	D9C5C3D6	E5C5D9E2	40404040
(760)	40404040	40404040	40D5D64B	40D6C640	D4C9D5D6	D940C6D9	40404040	40404040	40404040
(800)	C2C9E340	D9C1E340	40404040	40404040	40404040	D6D9C240	40C4C1E3	C145C9E2	40404040
(840)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(880)	00000000	00000000	00000000	00000000	2D000000	0000000C	00000000	00000000	00000000
(920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	00000000	00000000	00000000	00000000	43BE161C	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2200)	184D98CD	F0205040	D0345DD0	400207FC	00211CAA	0C211BD2	721A9F1	D9E4D5F3	C9D4C5E6
(2240)	14012200	00000000	00211C92	001E7AB0	00217492	FE211CF6	00212392	C9D5C9E3	40D5C540

(2320)	00000000	0022BFB4	80211C20	80211C28	00000001	00000003	00004000	[illegible]	22BFA	[illegible]
(2360)	00222790	00217308	5820D068	411DD04C	58FCD06C	05EF4700	00C558F0	D07D1400	45E0F014	00000004
(2400)	00211BB8	45E0F00C	0022BFB4	01200C1C	45E0F010	411CD054	58FCD074	05EF4700	00C51BFF	58E1D000
(2440)	07FE5880	D00458E0	800C5810	80161808	982CDC1C	92FFD00C	07FE47F0	D [illegible]	47F [illegible] C	[illegible] 00C5
(2480)	C1C4C9D5	90ECD00C	184D98CD	FC2C5040	D9045CD0	4CC807FC	00212158	[illegible] 211D0	[illegible] 21A 84	D9C5C1C4
(2520)	C9D57A04	101A0440	5C405C1C	1A0BC961	D6400C5D9	D9D6D940	7B1C051A	D540C6C9	D3C51C05	1A1740D9
(2560)	C5C3D6D9	C4100A1E	18012408	1006C614	140404C4	18C12408	1C22C21A	0B4ED9C5	C1C4C9D5	7A741C1A
(2600)	04405C40	5C1C1A07	C5D5C440	D6C64C14	5414C81A	0547C6C9	D3C5101C5	1A1C64C1	C6E3C5D9	1 [illegible] 1A C5
(2640)	40D9C5C3	E2220000	00212128	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2720)	00000000	00211EF6	002120CA	00212108	00211F28	002120CA	00212082	[illegible] 2120CA	[illegible] 212 E4	
(2760)	002120B4	002120CA	002120B4	00000000	001F9868	80211F40	00000000	00211E2C	[illegible]	[illegible]
(2800)	00211E30	80000000	00211E3C	80211E14	00211E3C	80211E18	00000000	00000001	00000002	00000004
(2840)	00000005	0000002E	00000034	00000054	00000074	80000078	40000001	[illegible]	[illegible]	[illegible]
(2880)	05F5E0FF	00000000	C961D640	C6C9D34D	E3C1D740	00000000	0022AC4C	[illegible] 1F88D6	[illegible] 1F88D8	[illegible] 1F88D4
(2920)	0022BF04	001F9AC8	0021FE38	002209B8	00222790	00212170	58A0D110	5A90D114	5Sa [illegible] D10C	5a7 [illegible] 104
(2960)	5860D100	5850D108	41B00000	5800D0DC	5900D0B8	4720D15C	58H0D0DC	59 [illegible] D [illegible] 4	47 [illegible] D144	41 [illegible] 1
(3000)	5000D0DC	5800D0DC	5900D0B4	4760D196	41006004	5000D07C	4110D07C	58F0D11C	[illegible] 5EF47	[illegible] 1241E
(3040)	000815FE	4720D196	58EFD04C	07FE5800	D0DC5900	DCB84760	D1C84100	70025000	D07C4110	D07C58F0
(3080)	D11C05EF	47000014	41E00008	15FE4720	D1C858EF	D05807FE	41000001	50000008	58005010	12004720
(3120)	D2704100	00015000	D0E44100	00015000	5010C590	D0DC4760	D2144100	6 85 [illegible]	D 8841 [illegible]	6 885 [illegible]
(3160)	D0909280	D0904110	D08858F0	D11805EF	47000018	58CCD0DC	5900D0B8	4760D242	41 [illegible] 004	5000D094
(3200)	41007002	5000D09C	9280D09C	41100094	58F0D118	05EF4700	001D5800	9E045900	D0B44742	D2BC4110
(3240)	D0A058F0	D12405EF	47000001F	58270808	5921D0E8	4760D3C0	50B7D0D8	47F7D30A	58 [illegible] D [illegible] 4	5A [illegible] DC
(3280)	5000D0E4	41000001	5000D0D8	5A0C501C	50005010	58E09004	5920D0B8	4740D3C0	411 [illegible] D AE	5AF D124
(3320)	05EF4700	002947F0	D3C05800	D0B45A00	50605000	5C6C58F0	D1201800	45E0F0C4	C0B0C0D6	00211CD8
(3360)	45E0F008	04505060	45E0F008	04505018	45E0F008	04505010	45E0F0C8	0022BFB8	04500010	45E0F010
(3400)	5800D0DC	5900D0B4	4760D322	41006004	5000D07C	4110D07C	58F0D11C	05EF4700	[illegible] 22F41E	[illegible] C45FE
(3440)	4720D322	58EFD064	07FE5800	D0DC5900	D0B84760	D3544100	70025000	D07C4110	D07C58F0	D11C05EF
(3480)	47000031	41E00008	15FE4720	D35458EF	D07007FE	41000005	5000D0E4	5800501C	12004790	D1E247F0
(3520)	D27C4100	00045000	D0E45800	D0B45A00	D0D85000	D0D858F0	D1218800	45E0F [illegible] 4	[illegible] [illegible] 8	[illegible] 211D22
(3560)	5840D0D8	89400002	45E0F008	0474D0EC	45E0F0D8	08605008	45E0F008	04505 [illegible] 8	45E [illegible] 8	45 [illegible] 1C
(3600)	45E0F010	47F0D3C0	1BFF58E0	D00007FE	5880D004	58E0800C	58108018	58301C0C	5840D0DC	5740D000
(3640)	58301004	5840D0E4	50403000	18D8982C	DC1C92FF	D0CC07FE	98451000	582 [illegible]	5 [illegible] D0DC	582 5 [illegible]
(3680)	5020D0E4	47F0D128	47F0F00C	07000D7D9	C9D5D7E3	9CECD00C	184D98CD	F [illegible] 5 [illegible]	D [illegible] 45 D	4 [illegible] 7FC
(3720)	00212AB0	00212470	021A0740	D7D9C9D5	D7E31001	1ACDF17A	404040D9	E4D5E3C9	D4C57E3C	1C14 11A
(3760)	0640E3C1	D7C54014	061A0540	C6C9D3C5	100422C2	180A06C3	10027402	1 [illegible] 4	1 A1C1	C1 31
(3800)	04100A10	0C060310	061A0506	0210041C	05222021A	0DF0D7D9	C9D5D7E3	E1F27AC5	E7D71 [illegible] 2	1E E4 C5
(3840)	D9E3C9D4	1004100A	1A0540C3	D3C3D210	DA1A0640	C6D9D9C1	E3100B1A	0640C6D9	C3E3D910	0124021A
(3880)	C540C6C9	D3D31801	24021A07	40C2C9E3	D9C1E318	01240721A	0340E3D8	18012402	1A0340C4	D9C01024
(3920)	021E1838	1A0640C7	E2C540E7	100B1A08	404040C7	E2C540E8	100B1A08	404040C7	E2C54 [illegible]	1 [illegible] 3
(3960)	1A01C610	0418021A	01D91006	22021A0B	40D7D9C9	D5D7E3F1	F37AD310	011A0640	C6D9C1C7	E2E4C1 [illegible]
(4000)	0124081C	22021802	04081A10	4040C4E5	404040E5	C1404040	C4E54040	1C1ED4C0	18020408	1 [illegible] 6C3
(4040)	10051C1C	2202180A	1A07C3D9	C5C1E3C5	C4060714	0422C21A	09F0D7D9	C9D5D7E3	E2E2 417	1A 44 5C
(4080)	405C1C1A	0640E3C1	D7C54014	071A0540						

FILE 1 RECORD 270 LENGTH 4096BYTES

(0)	496B4CBD	00000000	00000004	00C00258	000A000A	0000101F	00000000	[illegible] 1F	[illegible] 0C0	0000C09C
(40)	00000000	00000020	00030000	00000005	5E0D3E7F	0000A0A9	0AE0A0A9	[illegible]	[illegible]	[illegible]
(80)	00000000	00000000	00000000	00000000	454DF560	455CE305	45515FF6	4551DCE0	4555C47C	00000000
(120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	0000000A	00000000	0000C000
(160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]
(200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]
(240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]
(320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]
(480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00 [illegible]	[illegible]
(520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]
(600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]
(640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]

ISEE 1

DC ELECTRIC FIELD DRD DATA ON TP

77-102A-11B SPMS-00623

This data set has been restored. There were originally four 9-track, 1600 BPI tapes written in ~~Binary~~ EBCDIC. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004389	DS004389	D035105	1 - 8	11/03/77 - 01/07/79
		D034063	9 - 11	11/30/77 - 01/04/78
		D047315	12	03/22/79 - 04/01/79
		D047316	13	03/22/79 - 04/01/79

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	RD	MJT

ISEE 1

DC ELECTRIC FIELD LEG 1

77-102A-11B

This data set catalog consists of 2 data tapes. The tapes are 9 track, 1600 BPI, EBCDIC and are multifiled. The tapes were created on an IBM 360 computer.

Time span is as follows:

D#	C#	FILES	TIME SPANS
D-34063	C-20645	3	11/20/77 - 1/04/78
D-35105	C-20708	8	11/03/77 - 1/07/79

D-34063
ISEE-1
A-11B
11/20/77 - 16hr/TB

DUMP OF TAPE X-393

INPUT TAPE X-393 ON MT2
DATA INPUT H9 NF 3 FL 1 1 1 SR 3 1 1 SR 3 LAST 1

FILE 1 RECORD 1 LENGTH 4096BYTES

(0)	40F140C9	E2C5C560	F140C5E7	D7F840C4	C1E3C140	C6D6D940	C4D9C440	D7D3D6E3	E240D3F6	E5C2E963
(40)	F761F1F9	61F7F940	E9F0F3F9	F25BE3F1	40E3D640	E9F0F3F9	F86BF340	40404040	40404040	40404040
(80)	C9E2C5C5	60C140C5	E7D740F8	4040E2C8	C9D7D7C9	D5C740C7	D9D6E4D7	40D5D643	40404040	40404040
(120)	D9C5C5D3	40E2C5D8	40404040	40404040	C6C9D3C5	40D5D643	40404040	40404040	40404040	40404040
(160)	E2E3C1D9	E3C9D5C7	40E8C5C1	D9404040	40404040	40404040	4040D1C4	C1E84040	40404040	40404040
(200)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(240)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	C8D94040	40404040	D4C9D540
(280)	40404040	40404040	40E2C5C3	40404040	40404040	40404040	40C5D5C4	C9D5C740	40E8C5C1	D9404040
(320)	40404040	40404040	4040D1C4	C1E84040	40404040	40404040	D4C9D3D3	C9E2C5C3	40404040	40404040
(360)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(400)	40404040	40404040	40404040	C8D94040	40404040	D4C9D540	40404040	40404040	40E2C5C3	40404040
(440)	40404040	40404040	40404040	40404040	40404040	40404040	40D3C1E2	E340C3D3	D6C3D240	E3C8C9E2
(480)	40C6C9D3	C5404040	40404040	40404040	40404040	40404040	40404040	40404040	40D5C5E7	E340C6C9
(520)	D3C540E2	E3C1D7E3	E240E8C5	C1D94040	40404040	40404040	40D1C4C1	E8404040	40404040	40404040
(560)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(600)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	C8D94040	40404040	D4C9D540
(640)	40404040	40404040	40E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(680)	40404040	40404040	D5C5E7E3	40C3D340	D6C3D240	40404040	40404040	40404040	40404040	40404040
(720)	40404040	40404040	40404040	40404040	6CC4C1E3	C1404040	D9C5C3D6	E5C5D9E8	40404040	40404040
(760)	40404040	40404040	40D5D643	40D6C640	D4C9D5D6	D940C6D9	40404040	40404040	40404040	40404040
(800)	C2C9E340	D9C1E340	40404040	4040404C	40404040	D6D9C240	40C4C1E3	C140C9E2	40404040	40404040
(840)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	00000000	00000000
(880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	00000000	00000000	00000000	00000000	43BE161C	00000000	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	00000000	47F0F00C	07000000	C9D5C9E3	90ECD00C
(2200)	134D98CD	F0205040	D00450D0	400807FC	00035FDA	000B5F00	021A09F1	D9E4D5E3	C9D4C57E	1802061C
(2240)	14012200	00000000	000B5FC2	000X8DF0	000FA3B1	5F0B5FB6	000BA3F0	00000001	000B5FB4	000B5F7C

```
(  1680)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  1720)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  1760)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  1800)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  1840)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  1880)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  1920)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  1960)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2000)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2040)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2080)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2120)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2160)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2200)  184D98CD F0205040 D00450D0 400807FC 001FB1C2 001FB0E8 021A09F1 D9E4D5E3 C9D5C9E3 90ECD00C
(  2240)  14012200 00000000 001FB1AA 001E0FC8 002009B0 FF1FB19E 002008F0 00000001 001FB13C 00213FA0
(  2280)  001E0FC8 001E0FC8 000383C0 000382E0 0003C780 001E2FE0 000426E0 001E1DEC 001FA7A8 001FB1C2
(  2320)  00000000 00213FB4 801FB144 801F3140 00000001 00000003 00000000 00000000 00213FA0 002101F8
(  2360)  0020A790 002008F0 5820D068 4110D04C 58F0D06C 05EF4700 000558F0 D0701800 45E0F004 00000006
(  2400)  001FB0D0 45E0F00C 00213FB4 0120001C 45E0F010 4110D054 58F0D074 05EF4700 00081BFF 58E0D000
(  2440)  07FE5880 D00458E0 800C5810 801818D8 982CD01C 92FFD00C 07FE47F0 D0780000 47F0F00C 0700D9C5
(  2480)  C1C4C9D5 90ECD00C 184D98CD F0205040 D00450D0 400807FC 001FB670 001FB278 021A0840 D9C5C1C4
(  2520)  C9D57A04 101A0440 5C405C1C 1A0BC961 D640C5D9 D9D6D940 7B10051A 0540C6C9 D3C51005 1A0740D9
(  2560)  C5C3D6D9 C4100A1E 18012408 10060614 14040404 18012408 1C22021A 0840D9C5 C1C4C9D5 7A04101A
(  2600)  04405C40 5C1C1A07 C5D5C440 D6C64014 0414081A 0540C6C9 D3C51005 1A0640C1 C6E3C5D9 10081A05
(  2640)  40D9C5C3 E2220000 001FB640 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2680)  00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(  2720)  00000000 001F340E 001FB5E2 001F3522 001FB440 001FB5E2 001FB522 001FB59A 001FB5E2 001FB5CC
(  2760)  001FB5CC 001FB5E2 001FB5CC 00000000 001E2D80 801FB358 00000000 001FB344 80000000 00000000
(  2800)  001FB348 80000000 001FB354 801FB32C 001FB354 801FB330 00000000 00000001 00000002 00000004
(  2840)  00000005 0000002E 00000034 00000054 00000074 00000078 00000001 00000000 00000000 00000000
(  2880)  05F5E0FF 00000000 C961D640 C6C9D340 E3C1D740 00000000 00212CE4 001E1DEE 001E2D80 001E2DEC
(  2920)  00212C7C 001E2FE0 00207E38 002089B8 0020A790 001FB688 58A0D110 5890D114 5880D10C 5870D104
(  2960)  5860D100 5850D108 41B00000 5800D0DC 5900D0B8 4720D15C 5800D0DC 5900D0B4 47B0D164 41000001
(  3000)  5000D0DC 5800D0DC 5900D0B4 4760D196 41006004 5000D07C 4110D07C 58F0D11C 05EF4700 001241E0
(  3040)  000815FE 4720D196 58EFD04C 07FE5800 D0DC5900 D0B84760 D1C84100 70025000 D07C4110 D07C58F0
(  3080)  D11C05EF 47000014 41E00008 15FE4720 D1C858EF D05807FE 41000001 5000D0D8 5800501C 12004720
(  3120)  D2704100 00015000 D0E44100 00015000 501C5900 D0DC4760 D2144100 80085000 D0884100 60B85000
(  3160)  D0909280 D0904110 D08858F0 D11805EF 4700001B 5800D0DC 5900D0B8 4760D242 41008004 5000D094
(  3200)  41007002 5000D09C 9280D09C 4110D094 58F0D118 05EF4700 001D5800 90045900 D0B44740 D25C4110
(  3240)  D0A058F0 D12405EF 4700001F 58208008 5920D0E8 4760D3C0 50B0D0D8 47F0D36A 5800D0B4 5A00D0DC
(  3280)  5000D0E4 41000001 5000D0D8 5A00501C 5000501C 58009004 5900D0B8 4740D3C0 4110D0A8 58F0D124
(  3320)  05EF4700 002947F0 D3C05800 D0B45A00 50605000 506058F0 D1201800 45E0F004 00000006 001FB1F0
(  3360)  45E0F008 04505060 45E0F008 04505018 45E0F008 04505010 45E0F00C 00212C80 04500010 45E0F010
(  3400)  5800D0DC 5900D034 4760D322 41006004 5000D07C 4110D07C 58F0D11C 05EF4700 002F41E0 000815FE
(  3440)  4720D322 58EFD064 07FE5800 D0DC5900 D0B84760 D3544100 70025000 D07C4110 D07C58F0 D11C05EF
(  3480)  47000031 41E00008 15FE4720 D35458EF D07007FE 41000005 5000D0E4 58005010 12004790 D1E247F0
(  3520)  D27C4100 00045000 D0E45800 D0B45A00 D0D85000 D0D858F0 D1201800 45E0F004 00000006 001FB23A
(  3560)  5840D0D8 39400002 45E0F008 0474D0EC 45E0F008 08605008 45E0F008 04505018 45E0F008 04505010
(  3600)  45E0F010 47F0D3C0 1BFF58E0 D000D7FE 5880D004 58E0800C 58108018 58301000 5840D0DC 50403000
(  3640)  58301004 5840D0E4 50403000 18D3982C D01C92FF D00C07FE 98451000 58204000 5020D0DC 58205000
(  3680)  5020D0E4 47F0D128 47F0F00C 0700D7D9 C9D5D7E3 90ECD00C 184D98CD F0205040 D00450D0 400807FC
(  3720)  001FBFC8 001FB988 021A0740 D7D9C9D5 D7E31001 1A0DF17A 404040D9 E4D5E3C9 D4C57E06 1C14011A
(  3760)  0540E3C1 D7C54014 061A0540 C6C9D3C5 10042202 180A0603 10020402 10031004 100A1C10 0C100310
(  3800)  04100A10 0C060310 06100506 02100410 0522021A 0DF0D7D9 C9D5D7E3 F1F27AC5 E7D71002 1A0640C6
(  3840)  D9E3C9D4 1004100A 1A0540C3 D3C3D210 0A1A0640 C6D9D9C1 E3100B1A 0640C6D9 C3E3D918 0124021A
(  3880)  0540C6C9 D3D31801 24021A07 40C2C9E3 D9C1E318 0124021A 0340E3D8 18012402 1A0340C4 D8061024
(  3920)  021E1838 1A0640C7 E2C540E7 100B1A08 404040C7 E2C540E8 100B1A08 404040C7 E2C540E9 100B1803
(  3960)  1A01C610 0418021A 01D91006 22021A03 40D7D9C9 D5D7E3F1 F37AD310 011A0640 C6D3C1C7 E2040C18
(  4000)  0124081C 22021802 04081A10 404JC4E5 404040E5 C1404040 C4E54040 1C1E0400 18020408 18010603
(  4040)  10051C1C 2202180A 1A07C3D9 C5C1E3C5 C4060714 0422021A 09F0D7D9 C9D5D7E3 F2F20417 1A04405C
(  4080)  405C1C1A 0540E3C1 D7C54014 071A0540

FILE       3  RECORD      781  LENGTH     4096BYTES
(     0)  4340DC68 43FEFB28 441BD19E 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(    40)  00000000 00000000 4386ZD6C 44144262 00000000 00000000 00000000 00000000 00000000 00000000
```

DUMP OF TAPE X-404

D-35105
JSEE-1
11/03/77 - 1/31/79
A-11B

INPUT TAPE X-404 ON MS2
DATA INPUT H9 NF 8 FL 1 1 1 SR 8 1 1 SR 8 LAST 1

FILE	1 RECORD 1	SEE - 1 LENGTH EX 4096BYTES				DATA FOR	DRD	PLOTS	LG	VBZ;
(0)	40F140C9	E2C5C560	F140C5E7	D7F840C4	C1E3C140	C6D6D940	C4D9C440	D7D3D6E3	E240D3F6	E5C2E96B
(40)	F1F6F1F2	F061F7F9	40C3C1E2	C5D3C9E2	E3F240F3	D640F1F3	F3F1F06B	F1404040	40404040	40404040
(80)	C9E2C5C5	60C140C5	E7D740F8	4040E2C8	C9D7D7C9	D5C740C7	D9D6E4D7	40D5D64B	40404040	40404040
(120)	D9C5C5D3	40E2C5D8	40404040	40404040	C6C9D3C5	40D5D64B	40404040	40404040	40404040	40404040
(160)	E2E3C1D9	E3C9D5C7	40E8C5C1	D9404040	40404040	4040D1C4	C1E84040	40404040	40404040	40404040
(200)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(240)	40404040	40404040	40404040	40404040	40404040	4C4C4040	40404040	C8D94040	40404040	D4C9D540
(280)	40404040	40404040	40E2C5C3	40404040	40404040	4C4C4040	40C5D5C4	C9D5C740	40E8C5C1	D9404040
(320)	40404040	40404040	4040D1C4	C1E84040	40404040	40404040	D4C9D3D3	C9E2C5C3	40404040	40404040
(360)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(400)	40404040	40404040	40404040	C8D94040	40404040	D4C9D540	40404040	40404040	40E2C5C3	40404040
(440)	40404040	40404040	40404040	40404040	40404040	4C4C4040	40D3C1E2	E340C3D3	D6C3D240	E3C8C9E2
(480)	40C6C9D3	C5404040	40404040	40404040	40404040	40404040	40404040	40D5C5E7	E340C6C9	D3C540E2
(520)	E3C1D9E3	E240E8C5	C1D94040	40404040	4C4C4040	40D1C4C1	E8404040	40404040	40404040	40404040
(560)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	4C4C4040	40404040	40404040	40404040	40404040
(600)	40404040	40404040	40404040	40404040	40404040	4C4C4040	40404040	C8D94040	40404040	D4C9D540
(640)	40404040	40404040	40E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(680)	40404040	40404040	D5C5E7E3	40C3D340	D6C3D240	4C4C4040	40404040	40404040	40404040	40404040
(720)	40404040	40404040	40404040	40404040	6CC4C1E3	C1404040	D9C5C3D6	E5C5D9E8	40404040	40404040
(760)	40404040	40404040	40D5D64B	40D6C640	D4C9D5D6	D94CC6D9	40404040	40404040	40404040	40404040
(800)	C2C9E340	D9C1E340	40404040	40404040	40404040	D6D9C240	40C4C1E3	C140C9E2	40404040	40404040
(840)	40404040	40404040	40404040	40404040	40404040	4C4C4040	40404040	40404040	00000000	00000000
(880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	00000000	00000000	00000000	00000000	43BE161C	00000000	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2240)	00000000	00000000	47F0F00C	07000C1	E5D4C9D5	9CECD00C	184D9ACD	EC205040	D6C450D5	4C3C3EEC

(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(1760)	[illegible]										
(1800)	[illegible]										
(1840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(1880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(1920)	[illegible]										
(1960)	00000000	00000000	00000000	00000000	[illegible]						
(2000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2040)	[illegible]										
(2080)	[illegible]										
(2120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2200)	[illegible]										
(2240)	00000000	00000000	47F0F00C	07[illegible]C1	E5D4C9D5	9CECD00C	184D98CD	F[illegible]205040	D[illegible]45[illegible]D0	4[illegible]7FC	
(2280)	00098A58	000988A0	00098A40	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2320)	[illegible]										
(2360)	[illegible]				4E[illegible]		44753000	[illegible]	44EA6000	[illegible]	
(2400)	00000000	00000001	00000002	0000[illegible]2C0	0000[illegible]580	44753000	44EA6000	00000000	[illegible]		
(2440)	00000000	00000000	00097F30	0008[illegible]7C	0007CF74	0CC97EB4	00000000	00000000	00000000	00000000	
(2480)	[illegible]				587[illegible]AC	585[illegible]A8	586[illegible]80	58F[illegible]A0	68[illegible]F40	6B[illegible]D60	
(2520)	6000D0C0	58FCD0A4	18165C00	F0245[illegible]0	D0CC7840	D07C6860	D0C[illegible]8A0	D08041B0	[illegible]4588B	7[illegible]1288	
(2560)	4790D17A	18388930	00025030	D0B0189A	1A931849	1A467824	50003222	4790D16A	18495A40	D07C7824	
(2600)	50001849	1A467D24	50001849	5A4[illegible]D07C	70245[illegible]00	18391A36	70635000	5A80D074	18388930	00021A3A	
(2640)	1A367043	50005[illegible]8B	70001828	892[illegible]002	1A2A5A20	DC7C7042	50005AB0	D0C81AA6	59A[illegible]CC	47D[illegible]0A	
(2680)	58FCD0A0	6800F040	6A00D068	6000FC40	1BFF58E0	DCCC07FE	5880D004	58E08000	5810[illegible]18	18D8982C	
(2720)	D01C92FF	D00C07FE	47FCD0D0	00000000	47F0F00C	07CCC2C9	C7D1E4D3	9CECD00C	184D98CD	F[illegible]205040	
(2760)	D0[illegible]45[illegible]D0	4[illegible]807FC	[illegible]98CFE	[illegible]98A88	[illegible]98CE6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(2800)	[illegible]										
(2840)	00000000	00000000	00000000	00098BD6	00098BD6	0CC98BF2	00098BF2	00098CB2	00098CDE	00098CB2	
(2880)	00098CC6	00000000	00098B1C	80000000	00000000	0CCCC001	00000002	00000003	00000004	0000000C	
(2920)	0000000D	00000034	000003E8	0000076C	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1F	[illegible]3B	
(2960)	0000005A	00000078	00000097	000000B5	000000D4	0CCCC0F3	00000111	[illegible]130	[illegible]14E	[illegible]16D	
(3000)	00000000	00000000	00000000	00000000	00000000	0CCCC000	00000000	00000000	00000000	00000000	
(3040)	[illegible]										
(3080)	58A[illegible]A4	41B003E8	18FA41E0	000315FE	89F[illegible]002	472[illegible]14E	58EFD04C	[illegible]7FE58[illegible]	[illegible]	[illegible]1D0B	
(3120)	50109004	18311C2B	13335A30	90005030	90084100	DCEC5000	D06C4100	D0AC5000	D0749280	D0744110	
(3160)	D06C58F0	D11C05EF	47000008	58009004	12004790	D1C25840	90048E40	C0201D47	12444720	D1C24130	
(3200)	000C4160	00014150	00341847	5823D0DC	1A2650[illegible]3	DCDC8734	D1B459A0	D08C4790	D22A4100	[illegible]15200	
(3240)	900C1849	58509000	18675880	90084130	000C4120	0CC15986	D0E04720	D1F65050	40[illegible]C47F0	D2[illegible]1A67	
(3280)	8752D1E6	50504000	58209000	89200002	58009008	5BC2D0DC	50009010	18FA41E0	000315FE	89FC0002	
(3320)	472[illegible]D22A	58EFD[illegible]5C	[illegible]7FE5820	9000C892[illegible]	[illegible]00258[illegible]	90[illegible]5A[illegible]2	D0DC5000	9[illegible]785820	90048E20	00205020	
(3360)	D09C183B	1C225A30	90085030	9000[illegible]BFF	58E[illegible]D000	07FE5880	D[illegible]0458E0	80[illegible]C5810	80181808	982CD[illegible]1C	
(3400)	92FFD00C	07FE5840	10005820	40005020	D0A447F0	D1280000	47F0F00C	0700C2C9	C7E3C9D4	9CECD00C	
(3440)	184D98CD	F0205040	D00450D0	4008[illegible]FC	00098F80	0CC98D38	00098F68	00000000	00000000	00000000	
(3480)	[illegible]										
(3520)	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4E[illegible]	[illegible]	
(3560)	433E8000	00000000	00000000	00000001	00000002	0CCC0004	0000003C	00000E10	00015180	42640000	
(3600)	433E8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000000	471E1338	00000000	
(3640)	471E2850	00000000	00000000	00000000	00097F34	0CC89F98	[illegible]	[illegible]	588[illegible]C4	416[illegible]001	
(3680)	58B0D08C	41700004	19B64760	D12A6820	80006D2C	DCEC2802	6E00D058	6C00D050	582[illegible]D054	47A[illegible]D102	
(3720)	11226800	D0586000	D05C1222	4740D11C	5020D054	6ACCD050	47F0D126	10025000	D0546B00	D0506000	
(3760)	8C0859B[illegible]	D07[illegible]476[illegible]	D13E6800	8[illegible]86C00	D06[illegible]6[illegible]	8F[illegible]58F0	D[illegible]C[illegible]58[illegible]0	F[illegible]5[illegible]5F[illegible]0	8[illegible]14686[illegible]	8[illegible]8585[illegible]	
(3800)	80141848	6840D0A8	18258E20	002[illegible]1D27	1222478[illegible]	D16A6640	D3B[illegible]2B22	38246[illegible]20	D[illegible]C82962	472[illegible]D184	
(3840)	60604008	50504014	47FCD18C	1A562B62	47F0D154	2BCC6800	80086E00	D0586C00	D05C5830	D[illegible]5447A0	
(3880)	D1A41133	503[illegible]8[illegible]1[illegible]	18438E40	[illegible]2[illegible]5D4[illegible]	D08[illegible]1A56	5[illegible]50[illegible]18	1B565C40	D08C1893	1B951809	8E[illegible]0020	
(3920)	5D[illegible]D07C	50[illegible]8[illegible]1C	18515C40	DC7C18A9	1BA518[illegible]A	8E[illegible]20	5D0CD078	5[illegible]108[illegible]20	18515C4[illegible]	D[illegible]78183A	
(3960)	1B355030	80247820	D0887C20	D096[illegible]B00	38022820	23226A20	80007C20	D0842B00	38026E00	D[illegible]586[illegible]	
(4000)	DC505800	D05447A0	D2241100	5C008028	1BFF58E0	DCCCC7FE	5880D004	58E08000	58108018	18D8982C	
(4040)	DC1C92FF	D0CC07FE	5847[illegible]000	582 4[illegible]00	582[illegible]D[illegible]C	47F0D0D0	47F[illegible]F00C	[illegible]7[illegible]C3D3	C5D9C1E8	9[illegible]ECD[illegible]C	
(4080)	9823F024	184D58D[illegible]	F02C9034	D0[illegible]5[illegible]D[illegible]							

FILE 8 RECORD 1444 LENGTH 4096BYTES

(0)	4352905E	00000000	00000000	00000000	00000000	0CCCC000	00000000	00000000	00000000	00000000	
(40)	[illegible]		435E292D								

ISEE 1

DC ELECTRIC FIELD HRDD DATA ON TP

77-102A-11C SPMS-00033

This data set has been restored. There were originally three 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005044	DS005044	D034064	1	11/30/77 - 01/04/78
		D035098	2	11/03/77 - 01/07/79
		D047317	3	03/22/79 - 04/01/79

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD2651	MJT

ISEE 1

DC ELECTRIC FIELD LEG 5

77-102A-11C

This data set catalog consists of 2 data tapes. The tapes are 1600 BPI, 9 track, EBCDIC with 1 file of data.

Time span is as follows:

D#	C#	TIME SPAN
D-34064	C-20646	11/30/77 - 1/04/78
D-35098	C-20701	11/03/77 - 1/07/79

77-102A-11C
D-34064
11/30/77 - 1/04/78
ISEE-1

DUMP OF TAPE X-404

INPUT TAPE X-404 ON MS2
DATA INPUT H9 NF 1 FL 1 1 1

FILE 1 RECORD SEQ 1 LENGTH EXPECTED DATA FOR HRDD PLO TSL 6VB2

(0)	40F540C9	E2C5C560	F140C5E7	D7F840C4	C1E3C140	C6D6D940	C8D9C4C4	40D7D3D6	E3E240D3	F6E5C2E9
(4)	6BF761F2	F061F7F9	40E9F0F3	F9F26BE3	F16CF34C	E3D64CE9	F0F3F9F5	6BF14040	40404040	40404040
(8)	C9E2C5C5	60C140C5	E7D740F8	4040E2C8	C9D7D7C9	D5C74CC7	D9D6E4D7	40D5D64B	40404040	40404040
(12)	D9C5C5D3	40E2C5D8	40404040	40404040	C6C9D3C5	4CD5D64B	40404040	40404040	40404040	40404040
(16)	E2E3C1D9	E3C9D5C7	40E8C5C1	D9404040	40404040	40404040	4040D1C4	C1E84040	40404040	40404040
(20)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(24)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	C8D94040	40404040	D4C9D540
(28)	40404040	40404040	40E2C5C3	40404040	40404040	40404040	40C5D5C4	C9D5C740	40E8C5C1	D9404040
(32)	40404040	40404040	4040D1C4	C1E84040	40404040	40404040	D4C9D3D3	C9E2C5C3	40404040	40404040
(36)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(40)	40404040	40404040	40404040	C8D94040	40404040	D4C9D540	40404040	40404040	40E2C5C3	40404040
(44)	40404040	40404040	40404040	40404040	40404040	40404040	40D3C1E2	E340C3D3	D6C3D240	E3C8C9E2
(48)	40C6C9D3	C5404040	40404040	40404040	40404040	40404040	40404040	40404040	40D5C5E7	E340C6C9
(52)	D3C540E2	E3C1D9E3	E240E8C5	C1D94040	40404040	40404040	40D1C4C1	E8404040	40404040	40404040
(56)	D4C9D3D3	C9E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(60)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	C8D94040	40404040	D4C9D540
(64)	40404040	40404040	40E2C5C3	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(68)	40404040	40404040	D5C5E7E3	40C3D340	D6C3D240	40404040	40404040	40404040	40404040	40404040
(72)	40404040	40404040	40404040	40404040	6CC4C1E3	C1404040	D9C5C3D6	E5C5D9E8	40404040	40404040
(76)	40404040	40404040	40D5D64B	40D6C640	D4C9D5D6	D94CC6D9	40404040	40404040	40404040	40404040
(80)	C2C9E340	D9C1E340	40404040	40404040	40404040	D6D9C240	40C4C1E3	C140C9E2	40404040	40404040
(84)	40404040	40404040	40404040	40404040	40404040	4C4C4040	40404040	40404040	00000000	00000000
(88)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(92)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(96)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(100)	00000000	00000000	00000000	00000000	43BE161C	0CCC0000	00000000	00000000	00000000	00000000
(104)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(108)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(112)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(116)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(120)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(124)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(128)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(132)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(136)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(140)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(144)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(148)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(152)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(156)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(160)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(164)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(168)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(172)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(176)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(180)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(184)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(188)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(192)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(196)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(204)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(208)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(212)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(216)	00000000	00000000	00000000	00000000	00000000	0CCC0000	47F0F00C	07000000	C9D5C9E3	90ECD00C
(220)	184D98CD	F0205040	D00450D0	400807FC	0022B1C2	0C22B0E8	021A09F1	D9E4D5E3	C9D4C57E	18020610
(224)	14012200	00000000	0022B1AA	00210FC8	00239B0	FF22B19E	00230BF0	00000001	0022B130	00243FA0

(2320)	00000000	00243FB4	8022B144	8022B140	00000001	0CCC0003	00000000	C0000000	00243FA0	0024C1F8
(2360)	0023A790	002308F0	5820D068	411CD04C	58F0D06C	05EF4700	000558FC	DC701800	45ECF004	CCCCC006
(2400)	0022BCD0	45E FC0C	00243FB4	8120001C	45E FC10	411CD054	58F0D074	05EF4700	00081BFF	58E D000
(2440)	07FE5880	D00458E0	800C5810	801818D8	982CD01C	92FFD00C	07FE47F0	D0780000	47FCF00C	07C0D9C5
(2480)	C1C4C9D5	90ECD00C	184D98CD	F0205040	DC04500C	4CC807FC	0022B670	C022B278	C21AC840	D9C5C1C4
(2520)	C9D57AC4	101A0440	5C405C1C	1A0BC961	D640C5D9	D9D6D940	7B100051A	0540C6C9	D3C51005	1AC740D9
(2560)	C5C3D6D9	C4100A1E	18012408	10060614	14040404	18012408	1C22021A	0840D9C5	C1C4C9D5	7AC4101A
(2600)	04405C40	5C1C1A07	C5D5C440	D6C64014	0414081A	054CC6C9	D3C51005	1A0640C1	C6E3C5D9	100B1A05
(2640)	40D9C5C3	E2220000	0022B640	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2680)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(2720)	00000000	0022B40E	0022B5E2	0022B522	0022B440	0C22B5E2	0022B522	0022B59A	0022B5E2	0022B5CC
(2760)	0022B5CC	0022B5E2	0022B5CC	00000000	00212D80	8C22B358	00000000	0022B344	80000000	00000000
(2800)	0022B348	80000000	0C22B354	8C22B32C	0022B354	8C22B330	00000000	C0000001	00000002	00000004
(2840)	00000005	0000002E	00000034	00000054	00000074	0CCCC078	00000001	00000000	00000000	00000000
(2880)	05F5E0FF	00000000	C961D640	C6C9D340	E3C1D740	00CC0000	00242CE4	C0211DEE	00212D80	00212DEC
(2920)	00242C7C	00212FE0	C0237E38	002389B8	0023A790	0C22B688	58A0D110	5890D114	588CD10C	587CD104
(2960)	586CD100	585CD108	41B00000	580CD0DC	5900D0B8	472CD15C	5800D0DC	5900D0B4	47B0D164	41000001
(3000)	5000D0DC	580CD0DC	5900D0B4	476CD196	4100600A	5CCCD07C	4110D07C	58F0D11C	05EF4700	001241E0
(3040)	000815FE	4720D196	58EFD04C	07FE5800	D0DC590C	D0E84760	D1C84100	70025000	D07C4110	D07C58F0
(3080)	D11C05EF	47000014	41E00008	15FE4720	D1C858EF	DC5807FE	41000001	5000D0D8	5800501C	12004720
(3120)	D2704100	000150D0	D0E44100	00015000	501C590C	DCDC4760	D2144100	80085000	D0884100	60B85000
(3160)	D090928C	D090411C	DC8858F0	D11805EF	4700001B	58CCD0DC	5900D0B8	4760D242	41008004	5000D094
(3200)	41007002	5000D09C	928CD09C	4110D094	58F0D118	05EF4700	001D5800	90045900	D0B4474C	D25C4110
(3240)	D0A058F0	D12405EF	47000001F	58208008	592CDCE8	476CD3C0	50B0D0D8	47F0D36A	580CD0B4	5A00D0DC
(3280)	5000D0E4	41000001	5000D0D8	5A00501C	5000501C	58CC9004	5900D0B8	4740D3C0	4110D0A8	58F0D124
(3320)	05EF4700	002947F0	D3C05800	D0B45A00	50605000	5C6C58F0	D1201800	45E0F004	00000006	0022B1F0
(3360)	45E0F008	045C5060	45E0F008	04505018	45E0F008	045C501C	45E0F00C	00242C80	0450001A	45E0F010
(3400)	580CD0DC	590CD0B4	476CD322	4100600A	500CD07C	411CD07C	58F0D11C	05EF4700	002F41E0	000815FE
(3440)	472CD322	58EFD064	07FE5800	D0DC5900	D0B8476C	D3544100	70025000	D07C4110	D07C58F0	D11C05EF
(3480)	47000031	41E00008	15FE4720	D35458EF	D07C07FE	41CCC0C5	5000D0E4	58005C1C	12004790	D1E247F0
(3520)	D27C4100	00045000	D0E45800	D0B45A00	D0D85000	DCD858F0	D1201800	45E0F004	00000006	0022B23A
(3560)	5840D0D8	89400002	45E0F008	0474D0EC	45E0F008	086C5008	45E0F008	04505018	45E0F008	0450501C
(3600)	45E0F010	47F0D3C0	1BFF58E0	D00007FE	5880D004	58EC800C	58108018	58301000	5840D0DC	50403000
(3640)	58301004	5840D0E4	50403000	18D8982C	D01C92FF	DCCCC7FE	98451000	58204000	5020D0DC	58205000
(3680)	5020D0E4	47F0D128	47F0F00C	07C0D7D9	C9D5D7E3	9CECD0CC	184D98CD	F0205040	D0045DD0	400807FC
(3720)	0022BFC8	0022B988	C21AC740	D7D9C9D5	D7E31001	1ACDF17A	404040D9	E4D5E3C9	D4C57E06	1C14C11A
(3760)	0640E3C1	D7C54014	C61AC540	C6C9D3C5	10042202	18CAC603	10020402	10031004	100A1C10	0C1C0310
(3800)	C4100A10	0C060310	06100506	02100410	0522021A	0DFCD7D9	C9D5D7E3	F1F27AC5	E7D71002	1A0640C6
(3840)	D9E3C9D4	1004100A	1A0540C3	D3C3D210	0A1A0640	C6D9D9C1	E310081A	0640C6D9	C3E3D918	0124021A
(3880)	054CC6C9	D3D31801	24021A07	40C2C9E3	D9C1E318	0124021A	0340E3D8	18012402	1A0340C4	D8C61024
(3920)	021E1838	1A0640C7	E2C540E7	100B1A08	404040C7	E2C540E8	100B1A08	404040C7	E2C540E9	10CB1803
(3960)	1A01C610	0418021A	01D91006	22021A0B	40D7D9C9	D5D7E3F1	F37AD310	011A0640	C6D3C1C7	E2C40C18
(4000)	0124081C	22021802	04081A10	4040C4E5	404040E5	C14C4040	C4E54040	1C1E0400	18020408	18010603
(4040)	10051C1C	2202180A	1A07C3D9	C5C1E3C5	C4060714	0422C21A	09F0D7D9	C9D5D7E3	F2F20417	1AC4405C
(4080)	405C1C1A	0640E3C1	D7C54014	071A0540						

FILE 1 RECORD 213 LENGTH 4096BYTES

(0)	49769EE5	C8000000	00000005	00000258	00000007	0CCCCCC2	0000000C	C0000000	00000000	00000000
(40)	00000000	00000000	C0000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(80)	00000000	00000000	C0000000	00000000	3EA74D2E	3EDF6160	00000000	00000000	00000000	00000000
(120)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(160)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(200)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(320)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(360)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(520)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(560)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(600)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(640)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	0CCC0000	00000000	00000000	00000000	00000000

ISEE 2

3-D PLASMA DATA

77-102B-01B SPHE-00179

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 6600 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005361	DS005361	D032367	1 - 3	12/01/77 - 12/11/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD1069	MJT

ISEE-2

3D PLASMA DATA

77-102B-01B

This data set catalog consists of 1 data tape. The tape is 9 track, Binary, 1600 BPI, with 3 files of data. The tape was created on a CDC computer.

Time span is as follows:

D#	C#	TIME SPAN
D-32367	C-20212	12/01/77 - 12/11/77

ROCKET GAS EXPERIMENT DATA TAPE

9 Track 1600 BPI Binary S.P. Floating point

File 1, 285 Records
File 2, 210 Records
File 3, 165 Records
} variable record length
maximum = 350, 60 bit words

Double end-of-file is end-of-data

Definition of 1D record data cycle:

Record 1: Word 1 - Day
Word 2 - Year
Word 3 - Range
Word 4 - Solar
Word 5 - Solar
Word 6, 7, 8 - Solar
Word 9 - Solar
Word 10 - Solar
Words 11, 12, 13 - Solar
Word 14 - DZ
Word 15 - Title
Record 2 - Density array (8 words)
Record 3 - Temperature (Log base 10)(degrees)
Record 4 - (Log base 10)
Record 5 - 2D-Energy array (Log base 10)
Record 6 - 2D-Energy array (Log base 10)
Record 7 - 2DAV3D - 2D Average energy array (Log base 10)
Record 8 - 2DAV2D - 2D Average energy array (Log base 10)
Record 9 - 2D Temperature array (Log base 10)
Record 10 - 2D Pressure array (Log base 10)
Record 11 - 2D Pressure array (Log base 10)
Record 12 - 2D Pressure array (Log base 10)
Record 13 - VTG - 2D velocity array (km/sec)
Record 14 - LNG - Longitude array (degrees)
Record 15 - LAT - Latitude array (degrees)

DAY

1730
1717

$11_8 = 9_{10}$

5 320
1 8
7 7

335

YR

1726
1717

$7_8 = 7_{10}$

4 6 4
100 110 100
1 1 5

64
8
5

77

0-32367
ISEE-2
12/01/77 - 12/11/77

DUMP OF TAPE X-211

INPUT TAPE X-211 ON MS1
DATA INPUT 09 NF 3 FL 3 1 1

FILE 1 RECORD 1 LENGTH 150BYTES

(0)	173051700000	000000001726	464000000000	000017244611	013031627027	172457715767	457671116052	124612206310
(48)	512117235143	727632701206	605410017336	724525411722	757363310076	700717254207	444026023240	605217132433
(96)	047431211723	514444043536	241560542036	307310720625	172352616740	650361241726	464000000000	000060542316
(144)	552051257060							

FILE 1 RECORD 285 LENGTH 180BYTES

(0)	605133716457	576240311723	572434607143	571260562057	255756657435	172451472326	650374721725	564210753066
(48)	317760532314	566061672713	172454210624	216607156051	322742051355	335260541552	761675254660	172542430067
(96)	075613571717	657033212750	532517216243	257741471440	172552706335	263547721726	453176443413	316560523142
(144)	455462532666	605216104576	641624366053	140423066044	274560530552	474433711400		

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	285	286	563	0	0	0	0	1	1

FILE 2 RECORD 1 LENGTH 150BYTES

(0)	173052000000	000000001726	464000000000	000017235220	520371204446	172450104427	747441206051	175211011261
(48)	075460573302	631775237317	605430446303	551630241721	720003714061	244517255025	333231705037	605116702570
(96)	453740426057	330516017272	473160550020	513561561037	172266537325	467133121726	464000000000	000060533005
(144)	366275704460							

FILE 2 RECORD 210 LENGTH 580BYTES

(0)	172365337165	552430401726	443670572616	423417236335	315135351653	605236174655	123637771723	670203055654
(48)	512060521766	144651051753	172361660671	102536646052	313321414307	470717237056	450436640501	605327716727
(96)	327466046055	057153024047	254117256325	334401620765	172473227606	727505411724	500404524312	411160532717
(144)	321414071173	605605465232	502435111724	774046313173	203060513043	550071663113	605314751472	615411336053
(192)	232741207575	541617254637	320630447501	605405316117	155547606053	162552463032	521760523435	251367113121
(240)	172552256062	731310106053	164560277324	371160522642	634117765251	605217750705	334437061725	545351512731
(288)	055160522525	657724564101	605304060465	470070556053	126633054457	731460523270	603017316153	605325624634
(336)	751126171725	547254653264	265560532020	352244127553	172541036707	166242336053	067312036061	707560522001
(384)	423251623327	605316462761	464403306052	204415131175	752360541713	445360642375	605225326365	262443746052
(432)	177666601201	233060522427	454242503114	172454014175	717250571724	645136672776	172060523237	040461027510
(480)	605324517621	343630146056	337222237116	161617254511	564304142734	172461407742	236407661722	500275616446
(528)	435460530570	617342451067	172351675467	460645411724	415743346356	753317247641	234444306774	172545275071
(576)	00643000							

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	210	211	563	0	0	0	0	2	2

FILE 3 RECORD 1 LENGTH 150BYTES

(0)	173053100000	000000001726	464000000000	000017226630	551341526236	172442256740	624705176051	042562224013
(48)	653360561507	074752315367	605522543260	052374731721	400712132054	132517235146	665012706305	605104630023
(96)	415174146056	150764350055	727560552075	523754167274	172047207436	345736561726	464000000000	300060532601
(144)	056000510420							

FILE 3 RECORD 165 LENGTH 1460BYTES

(0)	172260746332	026717041722	617753311532	302717217576	107372501042	172245142407	317766031723	447731215014
(48)	744417244116	705461435715	172450404104	434062101724	554266556042	012717245552	233611042503	172451725630
(96)	316642311724	553576706075	341417245362	755716564152	172462503717	510573071724	450664261271	666017237552
(144)	062307542521	172351750342	453471311723	477721677272	177460632772	233724366736	172254073600	203707271721
(192)	533775152510	200717176631	335013733706	606326171210	737126731723	747300355525	733517237625	712744444313
(240)	172456326415	370467031724	632013537242	026517246446	114222451176	172473436004	525247371724	544773740623
(288)	666317244561	631513002624	172442227577	652057751723	433324617534	574717234512	745457207661	172171535113
(336)	572733731722	747232607632	236017207145	322730207250	172353012300	745751131723	410062766643	510517237173
(384)	053147623737	172446361274	100143151724	521423650731	617117245426	545031033775	172450235761	113600641724
(432)	530152707234	365417245326	405650473276	172444412227	374732261723	647553424237	160517235400	725254757524

(576)	477544151723	741457032336	353117244567	465137773570	172451251242	704320201724	623473154263	554017245564	
(624)	463023751514	172440236316	042442031724	621555574714	021317244062	207347756510	172045272060	443345571723	
(672)	433152415105	027417224124	574567165776	172041764126	501673471721	456625432340	044360573436	645211762762	
(720)	172366275450	570335151724	547700773563	660717245601	521161236332	172464152356	151620661724	770646743060	
(768)	234117246624	433034531516	172471276211	723115121724	457403157362	544417244513	151421455622	172344564005	
(816)	241671721722	726567306537	265417216721	344232711532	172146472013	317477441722	511015466035	524017225641	
(864)	411615037415	172440324445	456175111723	607302036310	250517244305	472411255274	172455207346	134073121724	
(912)	606103657571	734217245127	272717751172	172454014432	230415351724	472421430266	334717244025	727435006140	
(960)	172374115570	231562411722	511224125462	304717234101	752166131362	171767345630	466561201720	662055103363	
(1008)	511660603067	604172412574	172163570111	237377551723	444023761764	457117236720	076467216002	172450310611	
(1056)	606647241724	433653350371	665417245075	371465616211	172445265637	536735741724	555114705373	703317245275	
(1104)	606155763476	172447736435	713015161723	744127226024	463517235050	347457546534	172347642021	033213101722	
(1152)	757234242171	221117226727	433042036276	172251560067	664143531720	526623154321	657317217661	337353263447	
(1200)	172270154256	512646611723	545742126151	524717244766	633671663566	172455744013	067723301724	543435745066	
(1248)	303317245524	651321535741	172456143452	516650631724	471510265077	211717244507	663216412125	172444601510	
(1296)	747444661723	524610147710	451717217147	752555617437	172241243656	522624621722	406744007070	636617204626	
(1344)	216445041003	172251340506	323606341722	577273275760	140417235010	647715001675	172363442365	740634341724	
(1392)	431766651577	551317244510	337110712454	172446174720	317067571724	560506733754	336217245335	657713434615	
(1440)	172450031304	426425641724	463430336545	5403					

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
3	165	166	2243	0	0	0	0	1	1

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

START TIME 10/30/78 10:02:34 STOP TIME 10/30/78 10:02:59

$$
$ASS SI CR