

#541

ISEE I and II

DATA SETS FOR CDAW 6.0 + 8.0

541	77-102A-01J	SPHE-00677	ISEE
541	77-102A-04I	SPMS-00306	ISEE
541	77-102A-04L	SPMS-00475	ISEE
541	77-102A-04M	SPMS-00253	ISEE
541	77-102A-07E	SPMS-00038	ISEE
541	77-102A-07F	SPMS-00301	ISEE
541	77-102A-07G	SPMS-00426	ISEE
541	77-102A-07H	SPMS-00625	ISEE
541	77-102A-09F	SPMS-00035	ISEE
541	77-102A-09G	SPMS-00298	ISEE
541	77-102B-01G	SPHE-00464	ISEE
541	77-102B-01H	SPHE-00677	ISEE
541	77-102B-02B	SPMS-00293	ISEE
541	77-102B-04G	SPMS-00114	ISEE
541	77-102B-04I	SPMS-00475	ISEE
541	77-102B-04J	SPMS-00253	ISEE
541	77-102B-05B	SPHE-00435	ISEE
541	77-102B-05C	SPHE-00499	ISEE

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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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-2

3D FAST PLASMA

77-102B-01H

SPHE-00677

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 ^{CDC-6600}~~360~~ computer. The DR and DS numbers along with the corresponding D number and the time span are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR03732	DS03732	D-47407	1	03/22/79

REQ. AGENT

LSM

RAND NO.

V0144

ACQ. AGENT

DMS

ISEE 2
3D FAST PLASMA
77-102B-01H

This data set catalog consists of 1 tape. The tape is 9 track, 1600 BPI, binary with one file of data. The tape was created on a CDC 6600 computer. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47407	C-22152	3/22/79

I 201
N3738
X-201

Date 2/25/82
NSSDC ID 77-102B-01

CDAW DATA SET ENTRY

Date Rcvd : 02/08/82 CDB: 06

Data Sent By : E. Hones

Material Rcvd : 1 mag. tape + 2 pp. document

Satellite/NSRF Name: ISEE-2

Data Set Name: 3D Fast Plasma

New Data Set Additions Replacements
Comments _____

Time Coverage : 79/03/22 - 79/03/22

Tapes To be Returned to: _____

Completed By: Ellen Teague

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-1026-214

DATE DATA RECEIVED: 3/1/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: MIR 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: SD Fast Plasma

CONTACT: _____ ACQUISITION SCIENTIST: ADMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: NS

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

ACCESSION UNIT NUMBERS: 49407 0-22152

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT?

TX MAN
DATA TECHNICIAN

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE 29 January 1982
IN REPLY REFER TO ESS-8:82-71
MAIL STOP 438
TELEPHONE 7-4727

Dr. James Vette, Director
National Space Science Data Center
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

Dear Jim:

I am sending you a tape containing proton 3-D data from
the Los Alamos/Max-Planck fast plasma experiment, ~ 0600-
1700 UT, March 22, 1979 for use at CDAW-6.

Sincerely,



Edward W. Hones, Jr.

EWH/st

CY: CRMO (2), MS 150

CN INFORMATION

To facilitate the loading of data into a WSP 2.0 data base, please supply the following information. Fill out one form for each data set to be loaded.

CN name, CE name, and library location CN0663 CE06 I201

Author of CN, CE routines A. Lickner

Uniques routines called by this CN, should be cataloged with the CN _____

Experiment name ~~FA~~ Fast Plasma NSSDC ID 77-102B-01H

Scientist handling experiment E HOLS

Data set mnemonic I201 Total # of items to be loaded _____

List of item #'s to be loaded _____

Tape #	# of files	# of tracks	density	start/stop time
X-231 N-3738				8/16-17

Typical data point separation _____

Minimum data point separation _____ Total # of points _____

Any other information _____

See CONT from CDAW1

HONES' TAPE

DATA: ISEE 2, 3 D Proton Parameters
 March 22, 1979 0600 - 1700 UT
 Ten sets of eleven "data type" cycles

TAPE: CDC 60-bit floating point words
 Nine track 1600 BPI Binary

FORMAT: Eleven records per data cycle
 Variable length records ($16 \leq \text{length} \leq \text{seventy-five words}$)

DEFINITION OF 11 "DATA TYPE" CYCLES"

- ✓ Data Type 1: Word 1 - Day of year
- ✓ Word 2 - Year (Example: 79)
- ✓ Word 3 - Radius (earth radii)
- ✓ Word 4 - Solar ecliptic latitude (degrees)
- ✓ Word 5 - Solar ecliptic longitude (degrees)
- ✓ Word 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
- ✓ Word 16 - Zero

Data type 2: Proton time array (seconds)

Data type 3: Temperature array (Log base 10) (degrees - k)

Data type 4: 3D Density array (Log base 10) (cm^{-3})

Data type 5: 3D Energy density array (Log base 10) (EV/cm^2)

Data type 6: 3D Average energy array (Log base 10) (EV)

Data type 7: 3D Flux array (Log base 10) ($\text{cm}^2\text{-sec}$)

Data type 8: 3D Pressur array (Log base 10) (Dynes/cm^2)

Data type 9: 3D Flow magnitude array (Log base 10) (km/sec)

Data type 10: Longitude array (degrees)

Data type 11: Latitude array (degrees)

W-47407

DUMP OF TAPE X-405

INPUT TAPE X-405 ON TD3
DATA INPUT 09 FL 1 1 1

FILE	1	RECORD	1	LENGTH	160BYTES						
(0)	172650400000	000000001726	474000000000	000017244363	175321341077	172245647411	503443556050	306731661555			
(48)	445360533721	264276042754	605507132555	075105711720	571575616232	005160561415	155157177455	605030730552			
(96)	172130636053	372126361157	074160550643	176400236647	605737520054	600551411716	774127354151	515460542624			
(144)	435526057547	000000000000	00000000								

FILE	1	RECORD	110	LENGTH	600BYTES						
(0)	605315050204	514273051725	557370461265	472717264660	464407443306	605207372454	067045041725	633436203135			
(48)	271017255542	325422750641	605223647673	561666106052	347267360404	042117224154	046204216635	172460150246			
(96)	226104456053	004063320530	422160512475	422463443351	172574145371	047747031726	441545036104	016717256110			
(144)	437734777204	172650021426	267141036056	264436771031	107417255004	150472174663	605135407460	751530511724			
(192)	512271246222	062160531005	175723233165	172373644356	650166171723	474161360677	466260550654	541132741241			
(240)	605211570475	214530521724	453507535115	731360540546	305546730554	605125030244	620505721724	740245403606			
(288)	747460530547	064002400542	172571030501	570443616053	173733732640	430760522622	132704063140	605411504450			
(336)	276544741723	501732506213	230517255056	604057001613	172643457353	155503521726	433227737711	562660521254			
(384)	474641357417	605210064726	200330536051	334007030007	130017254335	106624225211	172646053463	522206741725			
(432)	512221227123	742617264426	015365063014	605405444344	236336771725	542033606144	737360512504	060775035723			
(480)	605211237250	257257316052	377042303333	450560533640	605514133567	605425263507	176516161724	557124233625			
(528)	717517224163	350713442217	172363110640	345624126052	220753444777	330317256463	111053731677	172441665003			
(576)	643544671725	510055446164	173217247544	260447562213							

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	110	111	563	0	0	0	0	0	0

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

START TIME 03/02/82 17:11:09 STOP TIME 03/02/82 17:11:25

ISEE 1 and 2

PROTON AND ELECTRON FLUID PARAMETERS

77-102A-01J SPHE-00677

77-102B-01H

This data set has been restored. There was originally 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 tape was created on a 6600 computer. The DR and DS numbers along with the corresponding D number and the time spans are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR03709	DS03709	D-47284	1-6	03/22/79, 03/31/79, 04/02/79

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 1 and 2

PROTON AND ELECTRON FLUID PARAMETERS

77-102A-01J

77-102B-01H

This data set catalog consists of 1 tape(s). The tape(s) are 9 track, 1600 bpi, ebcdic with 6 file(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47284	C-22066	3/22/79,3/31/79,4/2/79

INFORMATION SHEET FOR INCOMING DATA

77-102A-015
77-102B-014

NSSDC ID: _____

DATE DATA RECEIVED: 1/21/82

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 Jap

SATELLITE NAME/NSDF NAME: USE 1+2

EXPERIMENT NAME: _____

DATA SET FULL NAME: PROTON & ELECTRON FLUX PARAMETERS

CONTACT: _____ ACQUISITION SCIENTIST: RHS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

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

ACCESSION UNIT NUMBERS: DD 47384 5-22066

REMARKS:	1600, ebcidic, 6 files 3/22/79, 3/31/79, 4/1/79 CDAW
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DATA RECEIPT NOTIFICATION SENT?

Moran

DATA TECHNICIAN

Date Jan 19 1982
NSSDC ID 77-102A-01J
77-102B-01H

CDAW DATA SET ENTRY

Date Recd : Jan 19 1982 EDB : 06

Data Sent By : G. Paschmann

Material Recd : 1 tape, Tape Documentation Form.

Tape documentation, List of Algorithms.

Satellite/NSRF Name : ISEE 1 and ISEE 2

Data Set Name : ISEE 1 - Fast Plasma and Solar Wind Ions
ISEE 2 - Fast Plasma

New Data Set Additions Replacements

Comments _____

Time Coverage : Days 81, 90 and 91 1979

Tapes To be Returned to : No

Completed By : M. TEAGUE



National Aeronautics and Space Administration

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name			ISEE 1 and 2 FPE Data		
2. Scientific Contact		G. Paschmann		3. Telephone No. or Telex No.	
				(089)3299868 05215845	
4. Address					
Max-Planck-Institut f. extraterr. Physik					
5. City		8046 Garching		6. State	
				Germany	
7. ZIP_Code or Country					
8. Programmer Contact					

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted		1		2. Tape Density		<input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi	
3. No. of Files (per tape)		6					
4. No. of End of File Marks				5. No. of Tracks			
1				<input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9			
6. Recording Parity				7. Make and Model of Computer Used to Generate Tape			
?				AMDAHL 470 V/6			
8. Are tapes written in binary, coded or both? (e.g. BCD)							
coded							
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)							
see enclosure							
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
13. Start and Stop Time of Each File (If more space is needed, please attach.)							
see enclosure							

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

Tape With Proton and Electron Fluid Parameters From the Fast Plasma Experiments BAM (Exp. 2) on ISEE 1 and PAD (Exp. 20) on ISEE 2

9-track, 1600 bpi tape

6 no-label files; files 1, 3, 5: data from 22 Mar 1979
 files 2, 4, 6: data from 31 Mar/1 Apr 1979

Records: formatted; physical record length = 2400 bytes in every file.

File	Data	log.rec. length	data set sampling time	data set spacing (nominal)
1	ISEE 2, 2D	96	3 s	12 s
2	"	"	"	"
3	ISEE 2, 3D	24	9 s	48 s
4	"	"	"	12 s
5	ISEE 1, 2D	48	6 s	6 s
6	"	"	"	"

Logical Records

Files 1, 2:

ISAT, IDIM, IYR, IDAY, MS, DENP, DENE, DENHEP, DENHEE, TP, TE, VPX, VPY
 (2I1, I4, I3, I8, 6E 9.2, 2F7.1, 11X)

Files 3, 4:

ISAT, IDIM, IYR, IDAY, MS, VPZ
 (2I1, I4, I3, I8, F7.1)

Files 5, 6:

ISAT, IDIM, IYR, IDAY, MS, DENHEP, VPX, VPY
 (2I1, I4, I3, I8, E9.2, 2F7.1, 8X)

Elements of Logical Records

ISAT = 1, 2 for ISEE 1, 2
IDIM = 2, 3 for 2D, 3D data
IYR = year
IDAY = day of year
MS = milliseconds of day

} = UT of data set
= start of data accumulation
Sampling intervals and nominal data set spacing see above.

DENP } number densities of protons (70 eV to 40 keV) and electrons
DENE } (100 eV to 20 keV), in cm^{-3}

DENHEP } number densities of energetic protons ($E_p \geq 10$ keV) and
DENHEE } energetic electrons ($E_e \geq 2$ keV), in cm^{-3}

TP } proton and electron mean temperatures, in K
TE }

VPX } proton bulk velocity, in km/s.
VPY } Cartesian components are given in the spacecraft coordinate
VPZ } system.

ALGORITHMS Involving FPE Data

2D proton bulk speed, units = km/s

$$VP2 = (VPX^2 + VPY^2)^{1/2}$$

Proton and electron pressures, units = dyn cm⁻²

$$\left. \begin{array}{l} PP \\ PE \end{array} \right\} = 1.38 \cdot 10^{-16} \cdot \left\{ \begin{array}{l} DENP \cdot TP \\ DENE \cdot TE \end{array} \right.$$

Total (plasma and magnetic field) pressure, units = dyn cm⁻²

$$PT = PP + PE + 10^{-10}/8\pi \cdot B^2$$

where B is the magnetic field magnitude in units of gamma
(= nano Tesla).

CDAW-COPY, OUTPUT=CE02

of RECORDS ↓
LOG.

START AND STOP TIMES
↓

LOG. REC. LENGTH
↓

Phys. RECORD LENGTH
↓

of Phys. RECORDS
↓

PASCHEMANN:
I SEE 1 AND 2 FPE DATA

PAD 2D, FROM TAPE Q126 (11) , FILES 1: 1 ONTO FILE # 1. INTERVAL: 79- 3-22 6: 0 - 79- 3-22 17: 0. MS= 1, FN= 1.0, VN= 1.0

DS # 1 1979/ 81 6: 0: 5 UT

DS # 2778 1979/ 81 16:51:42 UT

96

2400

112

PAD 2D, FROM TAPE Q126 (11) , FILES 8:10 ONTO FILE # 2. INTERVAL: 79- 3-31 12: 0 - 79- 4- 1 6: 0. MS= -12, FN= 1.0, VN= 1.0

DS # 1 1979/ 90 12: 0: 2 UT

DS # 4790 1979/ 91 5:59:55 UT

96

2400

192

PAD 3D, FROM TAPE Q126 (11) , FILES 2: 2 ONTO FILE # 3. INTERVAL: 79- 3-22 6: 0 - 79- 3-22 17: 0. MS= 1, FN= 1.0, VN= 1.0

DS # 1 1979/ 81 6: 0:18 UT

DS # 667 1979/ 81 16:50:43 UT

24

2400

7

PAD 3D, FROM TAPE Q126 (11) , FILES 11:13 ONTO FILE # 4. INTERVAL: 79- 3-31 12: 0 - 79- 4- 1 6: 0. MS= 1, FN= 1.0, VN= 1.0

DS # 1 1979/ 90 12: 0: 7 UT

DS # 4738 1979/ 91 5:59:56 UT

24

2400

48

BAM 2D, FROM TAPE CE08 (10) , FILES 59:59 ONTO FILE # 5. INTERVAL: 79- 3-22 6: 0 - 79- 3-22 19: 0. MS= -12, FN= 8.0, VN= 0.5

DS # 1 1979/ 81 6: 0: 1 UT

DS # 3171 1979/ 81 18:36:58 UT

48

2400

64

BAM 2D, FROM TAPE CE08 (10) , FILES 60:61 ONTO FILE # 6. INTERVAL: 79- 3-31 12: 0 - 79- 4- 1 6: 0. MS= -12, FN= 8.0, VN= 0.6

DS # 1 1979/ 90 12: 5:35 UT

DS # 4735 1979/ 91 5:59:58 UT

48

2400

95

IL	REC	S	D	YR	DAY	MSEC	DENP	DENL	DENHEP	DENHEE	TP	TE	VPX	VPY
1	1	2	2	1979	81	21604611	2.70E-01	2.08E-01	5.51E-02	2.15E-02	3.91E+07	6.53E+06	-10.6	80.5
1	2	2	2	1979	81	21616611	2.39E-01	2.07E-01	5.00E-02	2.35E-02	4.08E+07	6.73E+06	-35.8	54.2
1	3	2	2	1979	81	21628612	2.38E-01	2.07E-01	4.81E-02	2.44E-02	4.05E+07	6.81E+06	16.9	46.2
1	4	2	2	1979	81	21640612	2.60E-01	2.06E-01	4.85E-02	2.66E-02	3.53E+07	7.03E+06	-14.6	76.2
1	5	2	2	1979	81	21652612	2.32E-01	2.04E-01	4.69E-02	2.72E-02	3.90E+07	7.13E+06	-25.1	78.1
1	2778	2	2	1979	81	60701539	4.03E-01	5.15E-01	8.80E-02	7.96E-03	4.19E+07	2.83E+06	-21.7	-11.1

2	1	2	2	1979	90	43202228	2.30E-01	1.73E-01	1.45E-01	1.98E-02	4.91E+07	6.88E+06	-31.3	112.4
2	2	2	2	1979	90	43214228	2.24E-01	1.70E-01	1.32E-01	2.07E-02	4.56E+07	6.97E+06	-6.5	124.5
2	3	2	2	1979	90	43226228	2.75E-01	1.73E-01	1.63E-01	1.95E-02	4.31E+07	6.80E+06	-15.1	101.6
2	4	2	2	1979	90	43238229	2.17E-01	1.78E-01	1.50E-01	2.14E-02	5.06E+07	6.97E+06	-29.8	117.5
2	5	2	2	1979	90	43250229	2.45E-01	1.82E-01	1.43E-01	2.26E-02	4.50E+07	7.11E+06	-39.5	51.0
2	4790	2	2	1979	91	21591807	6.17E-01	2.93E-01	2.82E-01	1.15E-01	5.49E+07	1.85E+07	-33.1	3.5

FIL	REC	S	D	YR	DAY	MSEC	VPZ
3	1	2	3	1979	81	21618299	-42.5
3	2	2	3	1979	81	21666300	-9.7
3	3	2	3	1979	81	21714302	-1.1
3	4	2	3	1979	81	21762303	10.4
3	5	2	3	1979	81	21810304	101.8
3	667	2	3	1979	81	60643226	38.8

PASCHDANN:
ISSE 1 and 2 FPE DATA

DUMP OF FIRST FIVE + LAST RECORDS

4	1	2	3	1979	90	43206728	-78.9
4	2	2	3	1979	90	43218728	-115.9
4	3	2	3	1979	90	43230728	14.6
4	4	2	3	1979	90	43242729	0.5
4	5	2	3	1979	90	43254729	17.0
4	4738	2	3	1979	91	21596307	6.2

! IN THIS DUMP, EACH FIELD IS 1 BYTE LONGER THAN ON THE TAPE.

FIL	REC	S	D	YR	DAY	MSEC	DENHEP	VPX	VPY
5	1	1	2	1979	81	21601343	2.91E-02	-38.3	-27.8
5	2	1	2	1979	81	21613337	3.27E-02	30.0	-25.1
5	3	1	2	1979	81	21625332	3.50E-02	-67.4	49.4
5	4	1	2	1979	81	21637325	3.11E-02	64.5	24.8
5	5	1	2	1979	81	21649320	1.05E-02	-78.3	-18.7
5	3171	1	2	1979	81	67012137	7.38E-02	30.5	-48.1

6	1	1	2	1979	90	43535240	6.22E-02	55.1	31.5
6	2	1	2	1979	90	43547234	7.00E-02	117.2	46.7
6	3	1	2	1979	90	43559228	5.93E-02	30.2	76.6
6	4	1	2	1979	90	43571223	7.36E-02	87.4	-14.1
6	5	1	2	1979	90	43583217	5.10E-02	-86.6	102.8
6	4735	1	2	1979	91	21598442	1.82E-01	-7.1	70.3

FIL REC S D YR DAY HR:MM:SS

1 284 2 2 1979 81 6:56:41
81 8:18:17

2 2777 2 2 1979 90 21:46:15
90 22:35:15

3 70 2 3 1979 81 6:55:30
81 8:18:42

4 2744 2 3 1979 90 21:46: 8
90 22:35:20

5 799 1 2 1979 81 8:47:45
81 9:31: 7

5 2098 1 2 1979 81 14: 0:12
81 14:32:23

6 2284 1 2 1979 90 20:22:45
90 20:54:20

PASCHMANN:
ISSE 1 AND 2 THE DATA

LIST OF TIME GAPS > 30 MINUTES

\$JOB 9:58:34

\$ASS IN MT2

\$NOP ***** EBCDIC LIST OF X-404 *****

\$EXE TPLIST BS

INPUT PARAMETERS ARE: ED SR=1=2 6

TAPE NO.	1	FILE NO.	1
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221979	8121604611	2.70E-01	2.08E-01 5.51E-02 2.15E-02 3.91E+07 6.53E+06 -10.6 80.5 221
979	8121616611	2.39E-01	2.07E-01 5.00E-02 2.35E-02 4.08E+07 6.73E+06 -35.8 54.2 221979
	8121628612	2.38E-01	2.07E-01 4.81E-02 2.44E-02 4.05E+07 6.81E+06 16.9 46.2 221979 81
21640612	2.66E-01	2.06E-01	4.85E-02 2.66E-02 3.53E+07 7.03E+06 -14.6 76.2 221979 81216
52612	2.32E-01	2.04E-01	4.69E-02 2.72E-02 3.90E+07 7.13E+06 -25.1 78.1 221979 81216646
12	2.74E-01	2.03E-01	4.85E-02 2.39E-02 3.50E+07 6.88E+06 -36.2 72.2 221979 8121676613
2.72E-01	1.96E-01	4.52E-02	2.58E-02 3.43E+07 7.10E+06 -37.9 51.8 221979 8121688613 3.0
9E-01	2.10E-01	5.06E-02	2.51E-02 3.29E+07 6.85E+06 -46.1 69.7 221979 8121700613 2.32E-
01	2.10E-01	4.94E-02	2.55E-02 4.20E+07 6.84E+06 -12.9 71.5 221979 8121712614 2.94E-01
2.14E-01	5.11E-02	2.49E-02	3.44E+07 6.79E+06 -21.1 34.4 221979 8121724614 2.55E-01 2.1
1E-01	5.22E-02	2.58E-02	3.97E+07 6.91E+06 -26.1 55.0 221979 8121736614 2.71E-01 2.17E-
01	5.71E-02	2.64E-02	3.90E+07 6.93E+06 -27.6 65.7 221979 8121748614 2.61E-01 2.20E-01
5.86E-02	2.62E-02	4.14E+07	6.88E+06 3.6 55.6 221979 8121760615 3.07E-01 2.23E-01 5.8
1E-02	2.64E-02	3.66E+07	6.85E+06 23.5 39.6 221979 8121772615 3.10E-01 2.25E-01 5.98E-
02	2.86E-02	3.68E+07	6.99E+06 28.1 2.9 221979 8121784615 2.63E-01 2.30E-01 6.40E-02
3.06E-02	4.38E+07	7.16E+06	47.1 35.1 221979 8121796615 2.86E-01 2.32E-01 6.12E-02 3.1
4E-02	4.09E+07	7.16E+06	27.5 -17.6 221979 8121808616 3.01E-01 2.32E-01 7.04E-02 3.12E-
02	4.19E+07	7.25E+06	83.7 -24.7 221979 8121820616 3.22E-01 2.41E-01 6.73E-02 3.01E-02
3.68E+07	7.03E+06	44.7 -34.7	221979 8121832617 2.98E-01 2.42E-01 6.85E-02 3.17E-02 4.0
3E+07	7.10E+06	36.4 -28.3	221979 8121844617 3.16E-01 2.43E-01 6.80E-02 3.15E-02 4.04E+
07	7.12E+06	53.9 2.4	221979 8121856617 3.17E-01 2.42E-01 7.18E-02 3.15E-02 4.13E+07
7.17E+06	12.4 -76.0		221979 8121868617 3.11E-01 2.41E-01 7.22E-02 3.27E-02 4.13E+07 7.2
5E+06	53.0 -34.9		221979 8121880618 2.95E-01 2.40E-01 7.07E-02 3.33E-02 4.40E+07 7.28E+
06	31.6 -14.5		221979 8121892618 3.02E-01 2.39E-01 6.63E-02 3.53E-02 4.19E+07 7.51E+06
	44.7 -14.7		

TAPE NO.	1	FILE NO.	1
RECORD	2	LENGTH	2400
221979	8121904618	2.94E-01	2.40E-01 8.05E-02 3.44E-02 4.68E+07 7.34E+06 50.9 -73.0 221
979	8121916618	2.83E-01	2.38E-01 6.17E-02 3.29E-02 4.11E+07 7.35E+06 27.2 -32.0 221979
	8121928619	2.98E-01	2.40E-01 7.44E-02 3.60E-02 4.35E+07 7.58E+06 -13.1 -26.2 221979 81
21940619	3.11E-01	2.38E-01	7.35E-02 3.81E-02 4.34E+07 7.71E+06 16.2 -18.3 221979 81219
52619	2.89E-01	2.24E-01	7.08E-02 3.51E-02 4.52E+07 7.68E+06 38.8 -34.5 221979 81219646
20	2.94E-01	2.38E-01	7.53E-02 3.70E-02 4.49E+07 7.68E+06 25.9 -38.3 221979 8121976620
3.35E-01	2.31E-01	6.98E-02	3.63E-02 3.71E+07 7.64E+06 27.4 1.4 221979 8121988620 2.7
6E-01	2.24E-01	7.19E-02	3.47E-02 4.54E+07 7.59E+06 -55.0 4.8 221979 8122000620 2.46E-
01	2.26E-01	6.80E-02	3.40E-02 4.86E+07 7.59E+06 -26.7 -14.0 221979 8122012621 2.60E-01
2.22E-01	7.04E-02	3.32E-02	4.65E+07 7.56E+06 -21.6 -23.3 221979 8122024621 2.95E-01 2.2
5E-01	7.65E-02	3.47E-02	4.57E+07 7.57E+06 -7.5 -1.8 221979 8122036621 2.97E-01 2.22E-
01	6.77E-02	3.29E-02	4.02E+07 7.64E+06 -35.2 -14.9 221979 8122048622 2.57E-01 2.24E-01
6.39E-02	3.40E-02	4.53E+07	7.60E+06 -45.8 -43.5 221979 8122060622 2.78E-01 2.29E-01 6.7
4E-02	3.29E-02	4.26E+07	7.51E+06 -36.0 -14.4 221979 8122072622 2.76E-01 2.25E-01 6.86E-
02	3.22E-02	4.63E+07	7.54E+06 -5.7 -19.7 221979 8122084622 2.87E-01 2.31E-01 6.43E-02
3.74E-02	4.28E+07	7.81E+06	-9.2 0.1 221979 8122096623 2.88E-01 2.25E-01 6.97E-02 3.7
9E-02	4.30E+07	8.00E+06	13.4 -20.1 221979 8122108623 2.79E-01 2.28E-01 6.86E-02 3.89E-
02	4.44E+07	7.98E+06	21.8 6.8 221979 8122120623 3.21E-01 2.30E-01 7.01E-02 4.29E-02
3.99E+07	8.29E+06	12.0 -43.7	221979 8122132623 3.32E-01 2.26E-01 7.11E-02 4.19E-02 3.8
8E+07	8.27E+06	-5.5 3.5	221979 8122144624 3.33E-01 2.26E-01 7.50E-02 4.32E-02 3.91E+
07	8.43E+06	6.5 10.0	221979 8122156624 2.97E-01 2.27E-01 6.56E-02 4.53E-02 4.11E+07
8.46E+06	-0.1 -30.9		221979 8122168625 2.92E-01 2.27E-01 7.29E-02 4.47E-02 4.44E+07 8.4
5E+06	2.3 -21.5		221979 8122180625 3.21E-01 2.30E-01 7.45E-02 4.75E-02 4.14E+07 8.57E+
06	14.6 -30.7		221979 8122192625 3.26E-01 2.30E-01 7.33E-02 4.62E-02 4.08E+07 8.60E+06
	-20.7 -24.4		

RECORD	1	LENGTH	2400
221979	9043202228	2.30E-01	1.73E-01 1.45E-01 1.98E-02 4.91E+07 6.88E+06 -31.3 112.4 221
979	9043214228	2.24E-01	1.70E-01 1.32E-01 2.07E-02 4.56E+07 6.97E+06 -6.5 124.5 221979
	9043226228	2.75E-01	1.73E-01 1.63E-01 1.95E-02 4.31E+07 6.80E+06 -15.1 101.6 221979 90
43238229	2.17E-01	1.78E-01	1.50E-01 2.14E-02 5.06E+07 6.97E+06 -29.8 117.5 221979 90432
50229	2.45E-01	1.82E-01	1.43E-01 2.26E-02 4.50E+07 7.11E+06 -39.5 51.0 221979 90432622
29	2.29E-01	1.74E-01	1.49E-01 2.34E-02 4.90E+07 7.44E+06 -59.2 81.2 221979 9043274230
	2.93E-01	1.77E-01	1.61E-01 2.24E-02 4.10E+07 7.23E+06 -57.8 83.0 221979 9043286230 2.5
	0E-01	1.78E-01	1.57E-01 2.37E-02 4.59E+07 7.35E+06 -76.2 97.0 221979 9043298230 2.25E-
	01	1.83E-01	1.56E-01 2.43E-02 5.31E+07 7.32E+06 -79.5 69.6 221979 9043310230 2.68E-01
	1.80E-01	1.53E-01	2.49E-02 4.45E+07 7.42E+06 -56.8 85.0 221979 9043322231 2.10E-01 1.8
	4E-01	1.41E-01	2.41E-02 5.18E+07 7.30E+06 -48.2 107.8 221979 9043334231 2.38E-01 1.79E-
	01	1.54E-01	2.39E-02 4.85E+07 7.35E+06 -57.7 126.3 221979 9043346231 2.28E-01 1.75E-01
	1.45E-01	2.47E-02	4.80E+07 7.51E+06 8.5 132.8 221979 9043358232 2.25E-01 1.87E-01 1.4
	2E-01	2.44E-02	4.98E+07 7.24E+06 -22.7 134.8 221979 9043370232 2.48E-01 1.78E-01 1.44E-
	01	2.15E-02	4.30E+07 6.96E+06 -23.8 132.7 221979 9043382232 2.63E-01 1.85E-01 1.56E-01
	2.10E-02	4.39E+07	6.87E+06 8.5 148.1 221979 9043394232 2.31E-01 1.82E-01 1.49E-01 2.1
	8E-02	4.86E+07	7.02E+06 -5.9 166.3 221979 9043406233 2.58E-01 1.77E-01 1.57E-01 1.98E-
	02	4.56E+07	6.85E+06 27.1 98.2 221979 9043418233 2.16E-01 1.76E-01 1.47E-01 2.06E-02
	5.19E+07	6.83E+06	-9.4 89.5 221979 9043430233 2.32E-01 1.74E-01 1.48E-01 1.95E-02 4.9
	9E+07	6.68E+06	-9.0 127.8 221979 9043442234 2.57E-01 1.68E-01 1.51E-01 1.91E-02 4.37E+
	07	6.82E+06	8.3 81.9 221979 9043454234 2.28E-01 1.70E-01 1.55E-01 1.93E-02 5.05E+07
	6.75E+06	6.4	93.3 221979 9043466234 2.20E-01 1.73E-01 1.42E-01 2.04E-02 5.00E+07 6.8
	6E+06	-1.6	58.8 221979 9043478234 2.73E-01 1.79E-01 1.46E-01 2.01E-02 4.02E+07 6.73E+
	06	-10.7	82.3 221979 9043490235 2.36E-01 1.76E-01 1.46E-01 2.21E-02 4.70E+07 7.05E+06
		-23.7	69.2

TAPE NO.	1	FILE NO.	2
RECORD	2	LENGTH	2400
221979	9043502235	2.16E-01	1.81E-01 1.53E-01 2.29E-02 5.24E+07 7.00E+06 28.3 100.8 221
979	9043514235	2.16E-01	1.82E-01 1.55E-01 2.17E-02 5.34E+07 6.97E+06 -4.9 117.7 221979
	9043526236	2.46E-01	1.79E-01 1.59E-01 2.08E-02 4.68E+07 6.94E+06 -43.5 116.0 221979 90
43538236	2.26E-01	1.81E-01	1.57E-01 2.36E-02 5.10E+07 7.24E+06 -62.3 116.9 221979 90435
50236	2.15E-01	1.75E-01	1.51E-01 2.19E-02 5.20E+07 7.06E+06 -47.1 115.9 221979 90435622
37	2.48E-01	1.71E-01	1.51E-01 1.91E-02 4.44E+07 6.80E+06 -34.5 87.2 221979 9043574237
	2.13E-01	1.74E-01	1.51E-01 1.99E-02 5.02E+07 6.93E+06 -38.1 121.6 221979 9043586237 2.2
	8E-01	1.81E-01	1.43E-01 2.10E-02 4.73E+07 6.83E+06 -22.2 86.1 221979 9043598237 2.34E-
	01	1.76E-01	1.50E-01 1.99E-02 4.83E+07 6.85E+06 4.5 78.0 221979 9043610238 2.34E-01
	1.82E-01	1.51E-01	2.09E-02 4.88E+07 6.80E+06 -40.4 74.1 221979 9043622238 2.63E-01 1.7
	6E-01	1.49E-01	2.22E-02 4.02E+07 7.18E+06 -26.7 93.9 221979 9043634238 2.33E-01 1.80E-
	01	1.44E-01	2.21E-02 4.66E+07 7.04E+06 -29.8 89.1 221979 9043646239 2.26E-01 1.78E-01
	1.46E-01	2.23E-02	4.88E+07 7.12E+06 -36.6 91.3 221979 9043658239 2.01E-01 1.75E-01 1.4
	6E-01	2.23E-02	5.59E+07 7.21E+06 -46.3 85.9 221979 9043670239 2.23E-01 1.76E-01 1.42E-
	01	2.23E-02	4.72E+07 7.12E+06 -54.8 103.9 221979 9043682239 2.18E-01 1.75E-01 1.48E-01
	2.22E-02	5.00E+07	7.15E+06 -19.5 116.2 221979 9043694240 2.39E-01 1.80E-01 1.46E-01 2.2
	4E-02	4.46E+07	6.96E+06 19.4 103.1 221979 9043706240 2.55E-01 1.81E-01 1.61E-01 2.35E-
	02	4.70E+07	7.25E+06 -10.7 129.7 221979 9043718240 2.64E-01 1.82E-01 1.47E-01 2.33E-02
	4.23E+07	7.11E+06	-13.6 68.9 221979 9043730241 2.18E-01 1.74E-01 1.42E-01 2.07E-02 4.9
	7E+07	7.06E+06	5.4 76.4 221979 9043742241 2.60E-01 1.79E-01 1.38E-01 2.20E-02 4.06E+
	07	7.05E+06	-11.1 42.5 221979 9043754241 2.39E-01 1.84E-01 1.48E-01 2.24E-02 4.63E+07
	7.08E+06	-18.6	73.6 221979 9043766242 2.68E-01 1.75E-01 1.55E-01 2.26E-02 4.13E+07 7.2
	4E+06	-6.3	84.3 221979 9043778242 2.71E-01 1.79E-01 1.46E-01 2.01E-02 3.74E+07 6.85E+
	06	-26.2	41.2 221979 9043790242 2.09E-01 1.76E-01 1.52E-01 1.95E-02 5.41E+07 6.80E+06
		-12.1	79.4

TAPE NO.	1	FILE NO.	3
RECORD	1	LENGTH	2400
231979	8121618299	-42.5231979	8121666300 -9.7231979 8121714302 -1.1231979 8121762303 10.4231
979	8121810304	101.8231979	8121858305 32.1231979 8121906306 5.8231979 8121954307 17.7231979
	8122002308	24.3231979	8122050310 55.3231979 8122098311 -60.3231979 8122146312 60.7231979 81
	22194313	17.2231979	8122242314 -33.8231979 8122290315 -24.9231979 8122338316 19.4231979 81223
	86317	7.6231979	8122434319 5.0231979 8122482320 -89.4231979 8122530321 36.5231979 81225783
	22	9.7231979	8122626323 55.7231979 8122674324 -96.3231979 8122722325 -52.2231979 8122770327
		-34.1231979	8122818328 -100.3231979 8122866329 28.6231979 8122914330 -14.5231979 8122962331 -8
	1.1231979	8123010332	50.1231979 8123058333 34.9231979 8123106335 -17.4231979 8123154336 -33.6

8123586346	36.0231979	8123634347	36.6231979	8123682348	11.4231979	8123730349	-5.1231979	81
23778351	-10.6231979	8123826352	12.0231979	8123874353	-30.9231979	8123922354	-29.5231979	81239
70355	15.8231979	8124018356	-33.2231979	8124066357	-1.4231979	8124114359	7.5231979	81241623
60	62.0231979	8124210361	-40.1231979	8124258362	27.7231979	8124306363	46.0231979	8124354364
	-83.5231979	8124450367	-42.4231979	8124498368	-27.1231979	8124546369	4.6231979	8124594370
7.2231979	8124642371	-12.5231979	8124690372	39.6231979	8124738374	-10.7231979	8124786375	-4.1
231979	8124834376	80.1231979	8124882377	41.8231979	8124930378	-43.4231979	8129922496	11.7231
979	8129970498	-51.0231979	8130018499	-34.3231979	8130066500	26.6231979	8130114501	14.6231979
	8130162502	-32.4231979	8130210503	-14.9231979	8130258504	49.1231979	8130306505	38.1231979
30354507	38.9231979	8130402508	37.6231979	8130450509	39.0231979	8130498510	-15.6231979	81305
46511	14.1231979	8130594512	-35.9231979	8130642513	-3.9231979	8130690515	-10.6231979	81307385
16	-25.3231979	8130786517	58.7231979	8130834518	23.2231979	8130882519	36.5231979	8130930520
	11.8231979	8130978521	54.2231979	8131026523	55.2231979	8131074524	-38.8231979	8131122525
1.3231979	8131170526	-54.6231979	8131218527	-53.3231979	8131266528	-26.5231979	8131314529	-40.4
231979	8131362531	91.2						

TAPE NO.	1	FILE NO.	3
RECORD	2	LENGTH	2400
231979	8131410532	12.6231979	8131458533
979	8131602536	7.9231979	8131650537
	8131794541	35.2231979	8131842542
31986545	-69.0231979	8132034546	-4.0231979
78550	36.1231979	8132226551	-8.2231979
54	-30.1231979	8132418556	-9.6231979
	20.5231979	8132706562	23.9231979
7.0231979	8132898567	-19.7231979	8133042570
231979	8133186574	-1.7231979	8133234575
979	8133378579	35.6231979	8133426580
	8133570583	16.6231979	8133618584
33762588	38.3231979	8133810589	-38.9231979
54592	-2.4231979	8134002594	23.2231979
97	-7.8231979	8134194598	-16.9231979
	-23.2231979	8134386603	-49.7231979
4.2231979	8134578607	76.8231979	8134626608
231979	8134770612	22.5231979	8134818613
979	8134962616	-73.4231979	8135010617
	8135154621	37.5231979	8135202622
35346625	-43.0231979	8135394627	50.1231979
38630	73.5231979	8135586631	-31.0231979
35	5.9231979	8135778636	25.4231979
	28.7231979	8135970640	12.0231979
8.6231979	8136162645	-54.9231979	8136210646
231979	8136354649	84.2	

TAPE NO.	1	FILE NO.	4
RECORD	1	LENGTH	2400
231979	9043206728	-78.9231979	9043218728
979	9043254729	17.0231979	9043266729
	9043302730	30.8231979	9043314730
43350731	54.3231979	9043362732	-38.6231979
98733	22.5231979	9043410733	32.7231979
34	16.3231979	9043458734	27.0231979
	-14.6231979	9043506735	9.2231979
0.9231979	9043554736	-26.2231979	9043566737
231979	9043602738	15.9231979	9043614738
979	9043650739	-52.3231979	9043662739
	9043698740	-55.3231979	9043710740
43746741	-108.6231979	9043758741	-4.8231979
94742	-12.4231979	9043806742	-8.4231979
43	12.0231979	9043854744	-47.6231979
	-36.7231979	9043902745	36.2231979
8.9231979	9043950746	45.3231979	9043962746
231979	9043998747	24.5231979	9044010747
979	9044046748	26.1231979	9044058749

14752 15.7231979 9044226753 -20.9231979 9044238753 74.6231979 9044250753 16.5231979 90442627
54 -78.3231979 9044274754 -112.3231979 9044286754 15.0231979 9044298754 96.1231979 9044310755
-50.1231979 9044322755 -24.5231979 9044334755 -115.0231979 9044346756 -71.6231979 9044358756 -5
3.6231979 9044370756 0.8231979 9044382757 -69.9231979 9044394757 68.4231979 9044406757 14.5
231979 9044442758 10.5

TAPE NO. 1 FILE NO. 4
RECORD 2 LENGTH 2400
231979 9044454758 -11.1231979 9044466759 -69.5231979 9044478759 8.7231979 9044490759 -4.2231
979 9044502759 -36.0231979 9044514760 39.1231979 9044526760 36.6231979 9044538760 46.9231979
9044550761 -58.1231979 9044562761 22.0231979 9044574761 -11.6231979 9044586762 -92.1231979 90
44598762 -26.8231979 9044610762 -12.8231979 9044622762 58.0231979 9044634763 32.7231979 90446
46763 -54.6231979 9044658763 3.5231979 9044670764 -28.8231979 9044682764 5.6231979 90446947
64 50.6231979 9044706764 18.3231979 9044718765 42.7231979 9044730765 -42.5231979 9044742765
-12.5231979 9044754766 33.9231979 9044766766 39.0231979 9044778766 -6.5231979 9044790767 1
0.5231979 9044802767 -30.7231979 9044814767 -55.3231979 9044826767 27.9231979 9044838768 11.6
231979 9044850768 71.1231979 9044862768 36.2231979 9044874769 32.8231979 9044886769 -20.5231
979 9044898769 -18.7231979 9044910769 56.2231979 9044922770 6.1231979 9044934770 93.1231979
9044946770 -37.3231979 9044958771 87.0231979 9044970771 -52.3231979 9044982771 17.9231979 90
44994771 22.5231979 9045006772 62.1231979 9045018772 90.1231979 9045030772 8.7231979 90450
42773 38.3231979 9045054773 -4.6231979 9045078774 52.2231979 9045090774 60.3231979 90451027
74 -55.5231979 9045114774 82.6231979 9045126775 -51.8231979 9045138775 -65.6231979 9045150775
98.2231979 9045162776 8.6231979 9045174776 17.8231979 9045186776 -22.2231979 9045198776 -
7.3231979 9045210777 50.9231979 9045222777 -5.0231979 9045234777 29.8231979 9045246778 22.5
231979 9045258778 8.5231979 9045270778 -24.7231979 9045282778 10.2231979 9045294779 59.6231
979 9045306779 21.2231979 9045318779 37.4231979 9045330780 15.0231979 9045342780 56.4231979
9045354780 27.4231979 9045366781 32.9231979 9045378781 -15.0231979 9045390781 15.8231979 90
45402781 -22.5231979 9045414782 36.1231979 9045426782 97.9231979 9045438782 -20.1231979 90454
50783 83.0231979 9045462783 -21.6231979 9045498784 94.4231979 9045510784 29.4231979 90455227
84 0.3231979 9045534785 -46.1231979 9045546785 -29.0231979 9045558785 -16.1231979 9045570786
32.8231979 9045582786 22.2231979 9045594786 -2.9231979 9045606786 43.7231979 9045618787 3
0.1231979 9045630787 16.1231979 9045642787 1.4231979 9045654788 79.4231979 9045666788 33.6
231979 9045678788 19.2

TAPE NO. 1 FILE NO. 5
RECORD 1 LENGTH 2400
121979 8121601343 2.91E-02 -38.3 -27.8 121979 8121613337 3.27E-02 30.0 -25.1 121
979 8121625332 3.50E-02 -67.4 49.4 121979 8121637325 3.11E-02 64.5 24.8 121979
8121649320 1.05E-02 -78.3 -18.7 121979 8121661314 1.65E-02 96.3 93.9 121979 81
21673309 2.00E-02 209.1 78.2 121979 8121685302 2.13E-02 4.2 -46.6 121979 81216
97297 7.01E-03 99.7 -40.9 121979 8121709291 4.17E-02 125.4 -2.8 121979 81217212
86 2.04E-02 25.4 16.2 121979 8121733279 4.46E-02 -25.6 14.6 121979 8121745274
1.51E-02 77.3 43.2 121979 8121757268 4.31E-02 -165.1 68.0 121979 8121769263 3.1
5E-02 -2.9 -33.6 121979 8121781256 3.55E-02 69.8 63.0 121979 8121793251 2.87E-
02 -51.3 -96.4 121979 8121805245 4.19E-02 33.0 -81.1 121979 8121817240 3.24E-02
-98.8 166.0 121979 8121829234 3.46E-02 47.1 56.7 121979 8121841228 2.65E-02 5
7.0 -34.1 121979 8121853222 9.95E-03 97.5 35.6 121979 8121865217 2.67E-02 -102.1
68.1 121979 8121877211 3.77E-02 121.5 64.9 121979 8121889205 4.02E-02 -94.0 1
13.4 121979 8121901199 2.53E-02 128.4 97.3 121979 8121913194 5.51E-02 -28.5 -113.
5 121979 8121925188 3.05E-02 3.7 -16.9 121979 8121937182 3.55E-02 27.1 138.5
121979 8121949176 3.17E-02 67.3 37.8 121979 8121961171 2.47E-02 83.6 -78.4
121979 8121973165 2.20E-02 2.8 -20.6 121979 8121985159 3.37E-02 14.1 -46.9
121979 8121997153 3.93E-02 -59.5 107.8 121979 8122009148 1.81E-02 120.3 -4.2 121
979 8122021142 2.36E-02 13.7 50.9 121979 8122033136 2.23E-02 66.1 17.3 121979
8122045131 5.56E-02 -18.6 17.5 121979 8122057126 1.15E-02 20.0 -90.3 121979 81
22069119 2.24E-02 55.9 -15.1 121979 8122081113 2.85E-02 104.0 74.7 121979 81220
93108 4.56E-02 36.3 2.0 121979 8122105103 4.05E-02 103.8 11.3 121979 81221170
96 2.95E-02 32.7 -13.8 121979 8122129090 7.63E-02 38.2 20.5 121979 8122141085
2.22E-02 114.7 -9.3 121979 8122153080 2.99E-02 19.4 -61.4 121979 8122165073 3.8
6E-02 138.4 -18.5 121979 8122177067 3.79E-02 -23.5 37.7 121979 8122189062 5.02E-
02 -81.5 12.4

TAPE NO. 1 FILE NO. 5
RECORD 2 LENGTH 2400

717 012222004 3.00E-02 11.0 32.5 121779 8122237039 3.60E-02 -0.0 -106.3 121979 8122249034 6.36E-02 -181.1 51.3 121979 8122261027 3.14E-02 167.5 -44.2 121979 8122273022 3.44E-02 25.8 95.5 121979 8122285016 3.13E-02 85.3 -24.7 121979 8122297011 4.70E-02 87.6 -32.7 121979 8122309004 3.16E-02 41.1 -71.2 121979 812232099 5.46E-02 150.1 -78.5 121979 8122332993 3.84E-02 25.5 -23.5 121979 8122344988 5.73E-02 -29.0 53.9 121979 8122356981 5.24E-02 -7.7 11.2 121979 8122368976 3.51E-02 -30.6 97.2 121979 8122380970 3.29E-02 9.7 39.7 121979 8122392965 3.07E-02 -70.7 15.3 121979 8122404958 3.09E-02 126.6 -44.5 121979 8122416953 2.34E-02 -60.3 40.7 121979 8122428947 1.82E-02 -224.0 30.7 121979 8122440942 1.77E-02 2.2 152.3 121979 8122452935 1.17E-02 46.8 126.9 121979 8122464930 2.42E-02 72.9 66.5 121979 8122476924 2.74E-02 -103.0 158.1 121979 8122488919 4.04E-03 -159.6 -81.9 121979 8122500912 8.76E-03 -25.6 -29.7 121979 8122512907 7.58E-05 61.0 97.0 121979 8122524901 1.47E-02 -47.4 153.3 121979 8122536896 1.60E-02 -120.5 -63.5 121979 8122548890 1.15E-02 236.7 202.9 121979 8122560884 3.05E-03 73.7 145.1 121979 8122572878 3.12E-03 73.7 -52.5 121979 8122584873 1.13E-02 -149.4 4.2 121979 8122596867 1.13E-02 -129.9 -194.0 121979 8122608861 6.37E-03 20.5 -62.6 121 979 8122620855 1.73E-02 -27.4 90.2 121979 8122632850 1.08E-02 -47.1 232.0 121979 8122644844 1.01E-02 -207.0 -126.5 121979 8122656838 1.01E-02 2.5 -22.6 121979 8122668832 1.38E-02 -26.6 -94.3 121979 8122680827 1.34E-02 -140.7 -37.1 121979 8122692821 9.23E-03 261.3 -122.8 121979 8122704815 4.99E-03 128.8 -14.2 121979 8122716809 1.53E-02 20.9 30.1 121979 8122728804 1.46E-02 -249.2 170.4 121979 8122740798 1.42E-02 -74.1 60.1 121979 8122752792 8.23E-03 -213.7 -122.0 121979 8122764787 8.01E-03 -228.6 -15.5 121979 8122776782 1.72E-02 -233.6 30.5 121979 8122788775 9.18E-03 20.5 40.7

TAPE NO. 1 FILE NO. 6
 RECORD 1 LENGTH 2400
 121979 9043535240 6.22E-02 55.1 31.5 121979 9043547234 7.00E-02 117.2 46.7 121 979 9043559228 5.93E-02 30.2 76.6 121979 9043571223 7.36E-02 87.4 -14.1 121979 9043583217 5.10E-02 -86.6 102.8 121979 9043595211 4.70E-02 58.3 72.8 121979 9043607205 5.97E-02 -53.1 117.0 121979 9043619200 1.99E+03 -0.0 -0.0 121979 9043631194 1.99E+03 -0.0 -0.0 121979 9043643188 1.37E+03 1.2 28.4 121979 9043655183 5.97E-02 7.3 26.4 121979 9043667177 6.57E-02 82.0 74.9 121979 9043679171 7.12E-02 162.5 104.5 121979 9043691165 6.10E-02 -21.6 99.6 121979 9043703160 6.55E-02 -25.6 33.6 121979 9043715154 6.28E-02 69.3 112.6 121979 9043727148 5.00E-02 11.4 73.1 121979 9043739142 5.81E-02 62.2 63.6 121979 9043751137 6.45E-02 92.6 -41.8 121979 9043763131 5.27E-02 -18.7 -6.4 121979 9043775125 4.77E-02 2 3.0 170.0 121979 9043787119 4.78E-02 56.2 102.0 121979 9043799114 4.34E-02 20.3 29.2 121979 9043811108 5.52E-02 -10.7 131.9 121979 9043823102 4.87E-02 79.7 -17.9 121979 9043835097 5.32E-02 -52.0 -41.4 121979 9043847091 5.94E-02 -5.0 78.1 121979 9043859085 6.04E-02 32.8 11.6 121979 9043871079 5.26E-02 50.5 84.0 121979 9043883074 4.80E-02 62.3 71.0 121979 9043895068 7.49E-02 -48.8 -22.1 121979 9043907062 4.90E-02 17.4 32.5 121979 9043919056 4.59E-02 -1.6 -60.9 121979 9043931051 7.99E-02 1.4 14.4 121979 9043943045 5.95E-02 -0.1 -13.8 121 979 9043955039 4.74E-02 -28.9 -44.5 121979 9043967034 6.37E-02 42.1 53.4 121979 9043979028 6.24E-02 141.4 31.3 121979 9043991022 5.84E-02 -28.1 -11.0 121979 9044003016 5.80E-02 61.6 140.4 121979 9044015011 5.09E-02 66.4 165.6 121979 9044027005 5.52E-02 15.0 118.5 121979 9044038999 7.29E-02 28.2 -9.6 121979 904405093 4.59E-02 -20.6 13.2 121979 9044062988 6.17E-02 -11.5 -13.6 121979 9044074982 7.83E-02 -34.2 149.1 121979 9044086976 8.26E-02 73.6 66.6 121979 9044098971 6.37E-02 83.3 135.6 121979 9044110965 8.31E-02 -15.7 62.7 121979 9044122959 6.12E+02 -63.2 9.2

TAPE NO. 1 FILE NO. 6
 RECORD 2 LENGTH 2400
 121979 9044134953 1.99E+03 0.0 0.1 121979 9044146948 1.99E+03 0.0 0.0 121 979 9044158942 1.22E+02 -191.6 -412.8 121979 9044170936 5.93E-02 -51.7 102.4 121979 9044182930 7.33E-02 23.2 4.8 121979 9044194925 5.78E-02 12.0 51.7 121979 9044206919 6.01E-02 -2.7 70.2 121979 9044218913 7.07E-02 -23.4 78.9 121979 9044230907 5.37E-02 -74.8 94.7 121979 9044242902 5.05E-02 -30.8 52.7 121979 9044254896 4.42E-02 53.9 152.7 121979 9044266890 4.13E-02 9.0 149.5 121979 9044278885 6.57E-02 -89.5 96.3 121979 9044290879 6.31E-02 -29.9 161.9 121979 9044302873 4.38E-02 25.5 47.0 121979 9044314867 5.30E-02 44.1 134.4 121979 9044326862 6.70E-02 73.5 62.1 121979 9044338856 4.92E-02 105.4 -31.6 121979 9044350850 4.98E-02 67.4 132.1 121979 9044362844 4.41E-02 66.7 71.8 121979 9044374839 4.44E-02 3

02.7 121717 7074410022 0.44E-02 -47.7 176.0 121717 9044422816 4.99E-02 45.8
87.3 121979 9044434810 5.02E-02 45.9 42.9 121979 9044446804 5.23E-02 16.3 127.
8 121979 9044458799 6.16E-02 108.6 79.6 121979 9044470793 5.21E-02 -94.8 37.1
121979 9044482787 5.20E-02 40.5 28.1 121979 9044494781 5.15E-02 -5.2 156.1
121979 9044506776 4.74E-02 -10.6 65.7 121979 9044518770 6.03E-02 -62.0 58.2
121979 9044530764 5.45E-02 19.9 45.7 121979 9044542758 4.32E-02 85.5 53.0 121
979 9044554753 4.27E-02 -83.4 122.0 121979 9044566747 3.99E-02 -58.5 106.3 121979
9044578741 6.39E-02 3.3 47.3 121979 9044590736 6.03E-02 42.1 12.7 121979 90
44602730 3.47E-02 -21.8 29.9 121979 9044614724 6.13E-02 -3.8 32.8 121979 90446
26718 5.02E-02 -53.0 -3.3 121979 9044638713 1.86E+03 4.1 -2.1 121979 90446507
07 1.99E+03 0.0 -0.1 121979 9044662701 1.99E+03 -0.0 -0.1 121979 9044674695
6.65E-02 -109.1 33.3 121979 9044686690 4.44E-02 -2.0 -41.4 121979 9044698684 4.0
9E-02 -142.6 -27.6 121979 9044710678 3.07E-02 34.4 130.1 121979 9044722673 4.95E-
02 -89.9 -28.0

***** JOB DONE.

\$WEO LPS

\$\$

\$REW LO

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 1

GSE - GSM MAGNETIC VECTORS 1 MINUTE AVERAGE

77-102A-04I

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:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-46729	C-21815	3/22/79, 3/31/79, 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-10271-34I DATE DATA RECEIVED: 10/27/91
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: ISEE 1
EXPERIMENT NAME: _____
DATA SET FULL NAME: SE GSM magnetic recording 1 MIN AVG.
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 46729 C-21815

REMARKS:
PKL

CDAW

DATA RECEIPT NOTIFICATION SENT? Jonda Thomas
DATA TECHNICIAN

Date Oct. 27, 1981
NSSDC ID 77-102A-04(14)

CDAW DATA SET ENTRY

Date Rcvd : October 27, 1981 EDB : 06

Data Sent By : Chris Russell

Material Rcvd : 1 tape 1600. lapi ^{2 files} 9-track (Binary)
verification) plots, DUMP

Satellite/NSRF Name : ISEE-1

Data Set Name : GSE/GSM MAGNETIC VECTORS - 1 MIN. AVG.

New Data Set Additions Replacements
Comments New format

Time Coverage : March 22, March 31, April 1

Tapes To be Returned to : Chris Russell
UCLA - IGPP - Space Labs
6869 Slichter Hall, 6th floor
Los Angeles, CA 90024

Completed By : K. Spedley



CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name SSC576 (ISEE-1 Data)		
2. Scientific Contact Dr. C.T. Russell		3. Telephone No. or Telex No. 825-3188
4. Address 6869 Slichter Hall, IGPP, UCLA		
5. City Los Angeles	6. State Calif.	7. ZIP Code or Country 90024
8. Programmer Contact K.J. Yamasaki		

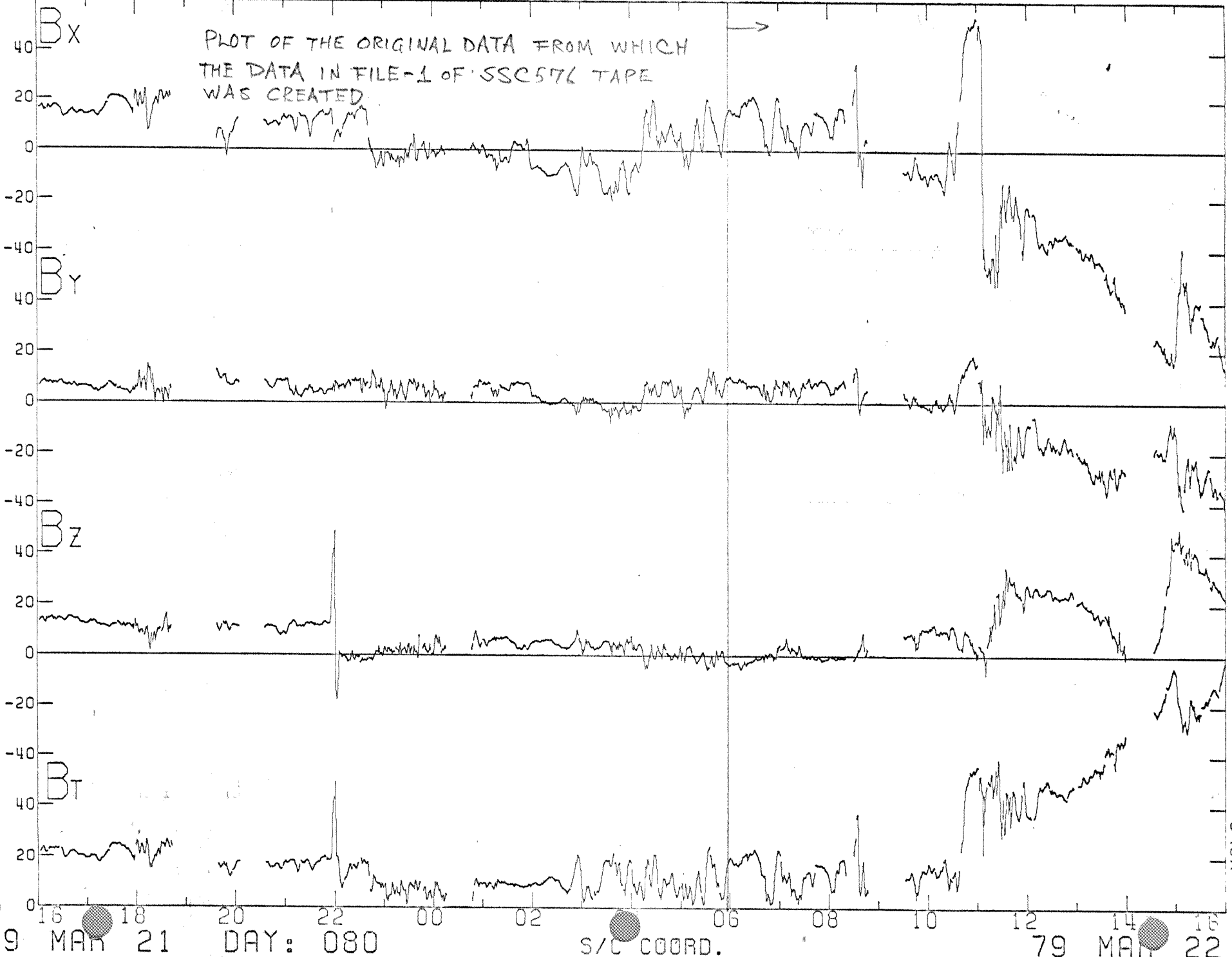
SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1	2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi
3. No. of Files (per tape) 2	
4. No. of End of File Marks 1 between files & 2 at the end of data	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity odd	7. Make and Model of Computer Used to Generate Tape H.P. 1000
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) None	
10. What integer representation is used? 32 bit, one's complement. The first bit is the sign bit	
11. No. of Physical Records (per file) File 1: 12 Physical Records (Blocks) File 2: 18 Physical Records (Blocks)	
12. Are original tapes to be returned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) File 1: 1979 March 22 06:00 to March 22 17:59 File 2: 1979 March 31 12:00 to April 1 05:59	

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

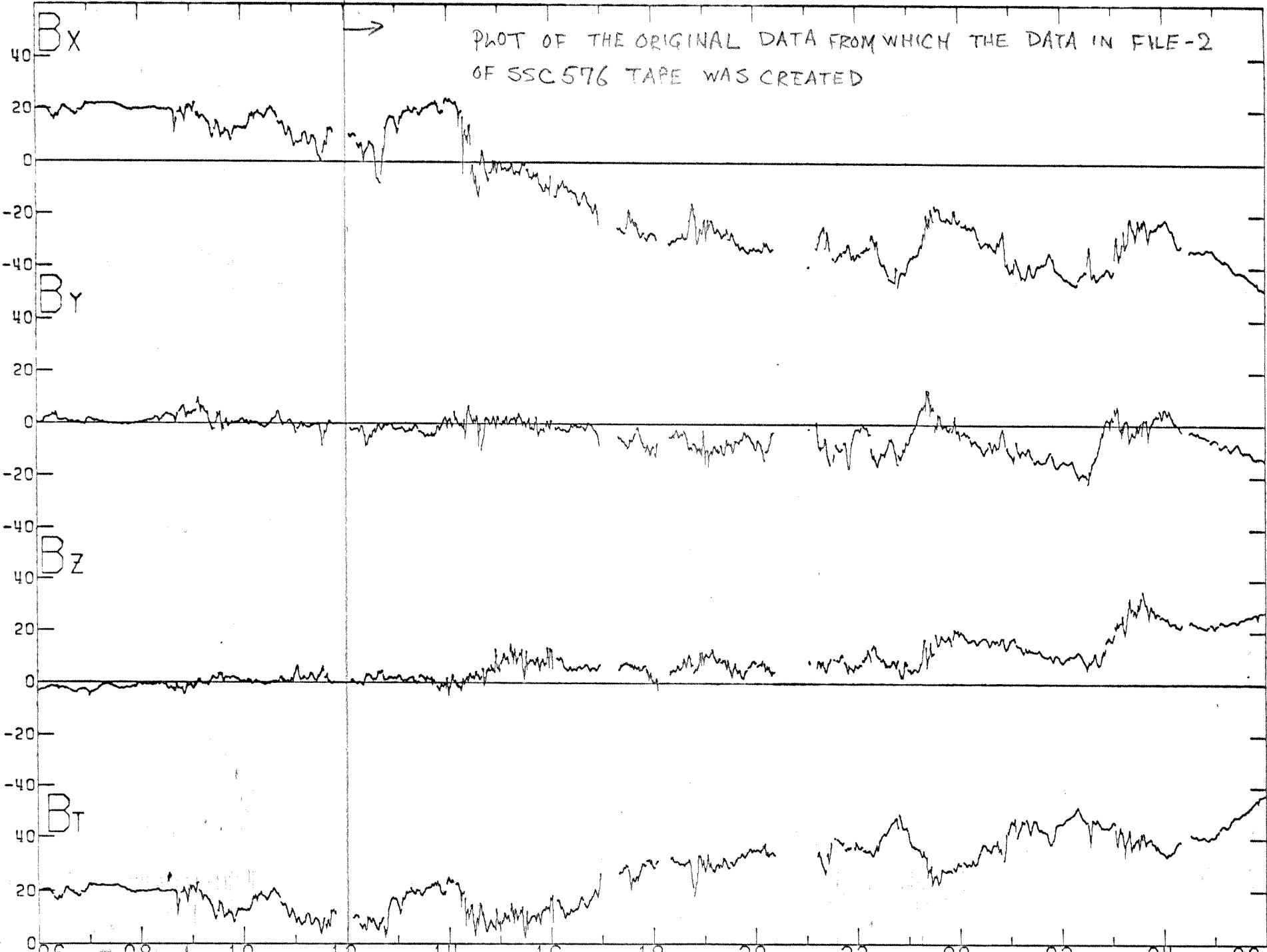


ORBIT: 220

POST-APOGEE

ISEE-1

→ PLOT OF THE ORIGINAL DATA FROM WHICH THE DATA IN FILE-2 OF SSC 576 TAPE WAS CREATED



79 MAY 31 DAY: 090 S/C COORD. 79 APR 1

UCLA
APR 14 81

SSC576 IS A 9-TRACK, 1600-BPI, ODD-PARITY TAPE CONTAINING ISEE-1 DATA.

81 281 OCT 8 14:56:14.380
-- IGPP, UCLA --

A PHYSICAL RECORD (BLOCK) CONTAINS 60 LOGICAL RECORDS.
EACH LOGICAL RECORD CONTAINS 20 32-BIT BINARY INTEGERS.

WORD	1	...YEAR, E.G., 79	
WORD	2	...DAY OF YEAR, E.G., 081 (JAN 1 = 1)	
WORD	3	...MONTH OF YEAR, E.G., 3	
WORD	4	...DAY OF MONTH, E.G., 22	
WORD	5	...HOUR OF DAY, E.G., 18	
WORD	6	...MINUTE OF HOUR, E.G., 56	
WORD	7	...MAGNETIC FIELD VECTOR BX IN MILLIGAMMAS	(GSE COORDINATES)
WORD	8	...MAGNETIC FIELD VECTOR BY IN MILLIGAMMAS	(GSE COORDINATES)
WORD	9	...MAGNETIC FIELD VECTOR BZ IN MILLIGAMMAS	(GSE COORDINATES)
WORD	10	...MAGNETIC FIELD MAGNITUDE BT IN MILLIGAMMAS	
WORD	11	...POSITION VECTOR X IN UNITS OF 1/000 RE	(GSE COORDINATES)
WORD	12	...POSITION VECTOR Y IN UNITS OF 1/000 RE	(GSE COORDINATES)
WORD	13	...POSITION VECTOR Z IN UNITS OF 1/000 RE	(GSE COORDINATES)
WORD	14	...MAGNETIC FIELD VECTOR BX IN MILLIGAMMAS	(GSM COORDINATES)
WORD	15	...MAGNETIC FIELD VECTOR BY IN MILLIGAMMAS	(GSM COORDINATES)
WORD	16	...MAGNETIC FIELD VECTOR BZ IN MILLIGAMMAS	(GSM COORDINATES)
WORD	17	...MAGNETIC FIELD MAGNITUDE BT IN MILLIGAMMAS	
WORD	18	...POSITION VECTOR X IN UNITS OF 1/1000 RE	(GSM COORDINATES)
WORD	19	...POSITION VECTOR Y IN UNITS OF 1/1000 RE	(GSM COORDINATES)
WORD	20	...POSITION VECTOR Z IN UNITS OF 1/1000 RE	(GSM COORDINATES)

MISSING DATA ARE FILLED WITH -9999999 .

TIMES ARE IN UT.

EACH MAGNETIC DATA POINT IS AN AVERAGE OF 4-SECOND DATA
OVER A 60-SECOND INTERVAL WITH THE CLOCK MINUTE AS THE MID-POINT.

THE FOLLOWING IS THE COMPLETE DUMP OF THIS TAPE
PRINTED BY FORTRAN FORMAT: (1X,12, 14, 413, 1418).

D-46729
3/22/79, 3/31/79
4/1/79

INPUT TAPE X-402 ON MT2
DATA INPUT H9 NF 2 FL 2 1 1

FILE	1	RECORD	LENGTH	4800BYTES
(0)	0000004F	00000051	00000003	00000016
(40)	FFFFBC3F	FFFFE486	00000708	00004043
(80)	0000004F	00000051	00000003	00000016
(120)	FFFFBC49	FFFFE484	00000707	00004184
(160)	0000004F	00000051	00000003	00000016
(200)	FFFFBC53	FFFFE483	00000703	00004080
(240)	0000004F	00000051	00000003	00000016
(280)	FFFFBC5D	FFFFE481	00000700	00003DE3
(320)	0000004F	00000051	00000003	00000016
(360)	FFFFBC67	FFFFE480	000006FC	00003A77
(400)	0000004F	00000051	00000003	00000016
(440)	FFFFBC71	FFFFE4AE	000006F8	000039C3
(480)	0000004F	00000051	00000003	00000016
(520)	FFFFBC7C	FFFFE4AC	000006F4	00003809
(560)	0000004F	00000051	00000003	00000016
(600)	FFFFBC86	FFFFE4AB	000006F0	00003C02
(640)	0000004F	00000051	00000003	00000016
(680)	FFFFBC90	FFFFE4A9	000006ED	00003A10
(720)	0000004F	00000051	00000003	00000016
(760)	FFFFBC9B	FFFFE4A8	000006E9	000038CE
(800)	0000004F	00000051	00000003	00000016
(840)	FFFFBCA5	FFFFE4A6	000006E5	00003850
(880)	0000004F	00000051	00000003	00000016
(920)	FFFFBCAF	FFFFE4A4	000006E1	00003887
(960)	0000004F	00000051	00000003	00000016
(1000)	FFFFBCB9	FFFFE4A3	000006DE	00003916
(1040)	0000004F	00000051	00000003	00000016
(1080)	FFFFBCC4	FFFFE4A1	000006DA	0000358E
(1120)	0000004F	00000051	00000003	00000016
(1160)	FFFFBCCE	FFFFE4A0	000006D6	00003664
(1200)	0000004F	00000051	00000003	00000016
(1240)	FFFFBCD9	FFFFE49E	000006D2	00004660
(1280)	0000004F	00000051	00000003	00000016
(1320)	FFFFBCE3	FFFFE49D	000006CE	000047C8
(1360)	0000004F	00000051	00000003	00000016
(1400)	FFFFBCED	FFFFE49B	000006CB	0000460F
(1440)	0000004F	00000051	00000003	00000016
(1480)	FFFFBCF8	FFFFE49A	000006C7	00004A72
(1520)	0000004F	00000051	00000003	00000016
(1560)	FFFFBD02	FFFFE498	000006C3	00004CA1
(1600)	0000004F	00000051	00000003	00000016
(1640)	FFFFBD0D	FFFFE497	000006BF	00004D15
(1680)	0000004F	00000051	00000003	00000016
(1720)	FFFFBD17	FFFFE495	000006BC	0000487E
(1760)	0000004F	00000051	00000003	00000016
(1800)	FFFFBD22	FFFFE494	000006B8	000046E6
(1840)	0000004F	00000051	00000003	00000016
(1880)	FFFFBD2C	FFFFE492	000006B4	00004A67
(1920)	0000004F	00000051	00000003	00000016
(1960)	FFFFBD37	FFFFE491	000006B0	0000513A
(2000)	0000004F	00000051	00000003	00000016
(2040)	FFFFBD41	FFFFE48F	000006AC	00004F28
(2080)	0000004F	00000051	00000003	00000016
(2120)	FFFFBD4C	FFFFE48E	000006A9	00004F74
(2160)	0000004F	00000051	00000003	00000016
(2200)	FFFFBD56	FFFFE48C	000006A5	000050F5
(2240)	0000004F	00000051	00000003	00000016


```

( 2720) 0000004F 00000051 00000003 00000016 00000011 00000022 FFFDF79 FFFEA12E 00004127 0002710C
( 2760) FFFFEA13 FFFFEA78 FFFDFC10 FFFDFE79 FFFEA8B5 FFFFA032 0002710C FFFFEA13 FFFFEA5E FFFFEA30A
( 2800) 0000004F 00000051 00000003 00000016 00000011 00000023 FFFDF6CA FFFEA104 00004485 00027764
( 2840) FFFFEA30 FFFFEA83 FFFDFC19 FFFDF6CA FFFEA74E FFFFA36F 00027784 FFFFEA30 FFFFEA50 FFFFEA30B
( 2880) 0000004F 00000051 00000003 00000016 00000011 00000024 FFFDF4FD FFFEA10E 00004798 00027974
( 2920) FFFFEA4D FFFFEA8D FFFDFC16 FFFDF4FD FFFEA632 FFFFA5C6 00027974 FFFFEA4D FFFFEA70 FFFFEA30E
( 2960) 0000004F 00000051 00000003 00000016 00000011 00000025 FFFDF489 FFFEC0EE 000049F8 00027006
( 3000) FFFFEA6A FFFFEA98 FFFDFC12 FFFDF489 FFFEA8D1 FFFFA550 00027006 FFFFEA6A FFFFEA29 FFFFEA30C
( 3040) 0000004F 00000051 00000003 00000016 00000011 00000026 FFFDF933 FFFE98AC 00004860 0002785D
( 3080) FFFFEA87 FFFFEAA3 FFFDFC0F FFFDF933 FFFE9DC1 FFFFA1D1 0002785D FFFFEA87 FFFFEA27 FFFFEA30I
( 3120) 0000004F 00000051 00000003 00000016 00000011 00000027 FFFDE4E2 FFFESASA 000030E6 00029204
( 3160) FFFFEBA4 FFFFEAAE FFFDFC0C FFFDE4E2 FFFE9618 FFFFA707 00029204 FFFFEBA4 FFFFEA26 FFFFEA30H
( 3200) 0000004F 00000051 00000003 00000016 00000011 00000028 FFFDDC09 FFFEA848 00003702 0002990E
( 3240) FFFFEBC2 FFFFEAB9 FFFDFC08 FFFDDC09 FFFE9954 FFFFA8C5 0002990E FFFFEBC2 FFFFEA24 FFFFEA30G
( 3280) 0000004F 00000051 00000003 00000016 00000011 00000029 FFFDD00F FFFE940D 000034FF 00029451
( 3320) FFFFEBCD FFFFEAC4 FFFDFC05 FFFDD00F FFFEA33E FFFFA8CA 00029451 FFFFEBCD FFFFEA22 FFFFEA30F
( 3360) 0000004F 00000051 00000003 00000016 00000011 0000002A FFFDE0EB FFFEA413 00003861 000297B3
( 3400) FFFFEBCF FFFFEACF FFFDFC02 FFFDE0EB FFFEA81C FFFFA99F 00028783 FFFFEBCF FFFFEA21 FFFFEA30J
( 3440) 0000004F 00000051 00000003 00000016 00000011 0000002B FFFDE716 FFFEB3A0 000042F5 00027862
( 3480) FFFFECA1A FFFFEADA FFFDFBFF FFFDE716 FFFEB8B9 FFFFA76A 00027862 FFFFECA1A FFFFEA20 FFFFEA30K
( 3520) 0000004F 00000051 00000003 00000016 00000011 0000002C FFFDEF35 FFFEB026 00004709 00027668
( 3560) FFFFECA37 FFFFEAE5 FFFDFBFB FFFDEF35 FFFEB381 FFFFA9FD 00027688 FFFFECA37 FFFFEA19 FFFFEA30L
( 3600) 0000004F 00000051 00000003 00000016 00000011 0000002D FFFDE14B FFFEB13C 00005210 00027534
( 3640) FFFFECA55 FFFFEAF1 FFFDFBFB FFFDE14B FFFEB966 FFFFA329 00027534 FFFFECA55 FFFFEA18 FFFFEA30M
( 3680) 0000004F 00000051 00000003 00000016 00000011 0000002E FFFDF480 FFFEA8F6 0000594C 00027699
( 3720) FFFFECA73 FFFFEAFC FFFDFBFB FFFDF480 FFFEA814 FFFFB711 00027699 FFFFECA73 FFFFEA17 FFFFEA30N
( 3760) 0000004F 00000051 00000003 00000016 00000011 0000002F FFFDF7CA FFFEA91F 00005AF7 00027527
( 3800) FFFFECA90 FFFFEA08 FFFDFBFB FFFDF7CA FFFEB8ED FFFFB27A 00027827 FFFFECA90 FFFFEA16 FFFFEA30O
( 3840) 0000004F 00000051 00000003 00000016 00000011 00000030 FFFDFFF0 FFFEB6E7 000054F0 00028195
( 3880) FFFFECAAE FFFFEA13 FFFDFBFB FFFDFFF0 FFFEB918 FFFFA1DF 00028195 FFFFECAAE FFFFEA15 FFFFEA30P
( 3920) 0000004F 00000051 00000003 00000016 00000011 00000031 FFFDFFC0 FFFEA349 00005062 00028508
( 3960) FFFFECC0 FFFFEA1F FFFDFBFB FFFDFFC0 FFFEB222 FFFFA772 00028508 FFFFECC0 FFFFEA14 FFFFEA30Q
( 4000) 0000004F 00000051 00000003 00000016 00000011 00000032 FFFDFCD3 FFFEB0A1 00005F14 00028928
( 4040) FFFFECEA FFFFEA2B FFFDFBFB FFFDFCD3 FFFE7F13 FFFFA76D 00028928 FFFFECEA FFFFEA13 FFFFEA30R
( 4080) 0000004F 00000051 00000003 00000016 00000011 00000033 FFFDFD22 FFFE75B0 00005D70 00028F36
( 4120) FFFFECD08 FFFFEA36 FFFDFBFB FFFDFD22 FFFE7624 FFFFA0A8 00028F36 FFFFECD08 FFFFEA12 FFFFEA30S
( 4160) 0000004F 00000051 00000003 00000016 00000011 00000034 FFFDF80D FFFE7115 00006016 00029658
( 4200) FFFFECD26 FFFFEA42 FFFDFBFB FFFDF80D FFFE70EB FFFFA098 00029658 FFFFECD26 FFFFEA11 FFFFEA30T
( 4240) 0000004F 00000051 00000003 00000016 00000011 00000035 FFFDF098 FFFE60B2 00005D2F 00029008
( 4280) FFFFECD44 FFFFEA4E FFFDFBFB FFFDF098 FFFE6F4E FFFFA9C20 00029008 FFFFECD44 FFFFEA10 FFFFEA30U
( 4320) 0000004F 00000051 00000003 00000016 00000011 00000036 FFFDE9E4 FFFE690A 000060D4 0002A66E
( 4360) FFFFECD63 FFFFEA5A FFFDFBFB FFFDE9E4 FFFE6976 FFFFA9CE7 0002A66E FFFFECD63 FFFFEA09 FFFFEA30V
( 4400) 0000004F 00000051 00000003 00000016 00000011 00000037 FFFDE1AF FFFE639F 000058C6 0002AF74
( 4440) FFFFECD81 FFFFEA66 FFFDFBFB FFFDE1AF FFFE6726 FFFFA9599 0002AF74 FFFFECD81 FFFFEA08 FFFFEA30W
( 4480) 0000004F 00000051 00000003 00000016 00000011 00000038 FFFDE0E0 FFFE6080 000061E1 0002B280
( 4520) FFFFECD9F FFFFEA72 FFFDFBFB FFFDE0E0 FFFE61D9 FFFFA9951 0002B280 FFFFECD9F FFFFEA07 FFFFEA30X
( 4560) 0000004F 00000051 00000003 00000016 00000011 00000039 FFFDDEE4 FFFE5FAF 00006528 0002B553
( 4600) FFFFECDBE FFFFEA7F FFFDFBFB FFFDDEE4 FFFE5F8A FFFFA9B6D 0002B553 FFFFECDBE FFFFEA06 FFFFEA30Y
( 4640) 0000004F 00000051 00000003 00000016 00000011 0000003A FFFDDBA6 FFFE537A 000076F3 0002B86A
( 4680) FFFFECDDC FFFFEA8B FFFDFBFB FFFDDBA6 FFFE5A09 FFFFAAC9C 0002B86A FFFFECDDC FFFFEA05 FFFFEA30Z
( 4720) 0000004F 00000051 00000003 00000016 00000011 0000003B FFFDD912 FFFE5AB3 000072B5 00028EFA
( 4760) FFFFECDFB FFFFEA97 FFFDFBFB FFFDD912 FFFE5512 FFFFA473 00028EFA FFFFECDFB FFFFEA04 FFFFEA30A

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FILE INPUT DATA RECORDS MAX. READ ERROR SUMMARY INPUT RETRIES
RECS. INPUT SIZE PERM ZERO B SHORT UNDEF. #RECS. TOTALA
1 12 13 4800 0 0 0 0 0 0

79 90

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FILE 2 RECOR 1 ENGLTH 4800BYTES
( 0) 0000004F 0000005A 00000003 0000001F 0000000C 00000000 FF676981 FF676981 FF676981 FF676981
( 40) FFFFACCA FFFFF6C1 00000092 FF676981 FF676981 FF676981 FF676981 FFFFACCA FFFFF453 00000A64
( 80) 0000004F 0000005A 00000003 0000001F 0000000C 00000001 FF676981 FF676981 FF676981 FF676981
( 120) FFFFACCA FFFFF6BD 0000008F FF676981 FF676981 FF676981 FF676981 FFFFACCA FFFFF457 00000A6F
( 160) 0000004F 0000005A 00000003 0000001F 0000000C 00000002 FF676981 FF676981 FF676981 FF676981
( 200) FFFFACCA FFFFF639 0000008C FF676981 FF676981 FF676981 FF676981 FFFFACCA FFFFF453 00000A68
( 240) 0000004F 0000005A 00000003 0000001F 0000000C 00000003 FF676981 FF676981 FF676981 FF676981

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ISEE 1 and 2

FLUXGATE MAGNETOMETER 4 SEC. MAG FIELD

77-102A-04L SPMS-00475

77-102B-04I

This data set has been restored. There were originally four 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 HP 1000 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
-----	-----	-----	-----	-----
DR03731	DS03731	D-47405	1- 2	03/22/79
		D-47771	3- 6	03/21/79 - 04/01/79
		D-63872	7-10	04/24/79, 05/11/80
		D-72903	11-22	01/28/83 - 06/28/83

REQ. AGENT
LSM
GLS

REQ.NO.
V0144
V0257

ACQ. AGENT
DMS
EJS

ISEE 1 & 2

FLUXGATE MAGNETOMETER 4 SECOND MAG. FIELD DATA

77-102A-04L

77-102B-04I

This data set catalog consists of 3 tapes. The tapes are 9-track, 1600 BPI, binary, and are multifiled. These tapes were created on an Hewlett-Packard 1000-f computer. The time span, D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47405	C-22151	03/22/79
D-47771	C-22204	03/31/79,04/01/79
D-63872	C-24093	04/24/79,05/11/80

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-04L
77-102B-04I DATE DATA RECEIVED: 3/1/82
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: SEE 172
EXPERIMENT NAME: _____
DATA SET FULL NAME: Ferrite Magnetometer 4 sec. mag. hd.
CONTACT: _____ ACQUISITION SCIENTIST: DKS
FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: NA
THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)
ACCESSION UNIT NUMBERS: BA 41405 C-22151

REMARKS:

1600, BIN, 9 trk 2 files
3/22/82
79

CDAW

DATA RECEIPT NOTIFICATION SENT? Jonda Tholan
DATA TECHNICIAN

I 104, I 204

77-102A-04I; 77-102B-04H

X-334

N-3739

Date 02/25/82

NSSDC ID 77-102A-04I
77-102B-04H

CDAW DATA SET ENTRY

Date Recd: 02/08/82 CDB: 66

Data Sent By: C. Russell

Material Recd: 1 mag. tape + dump

Satellite/NSRF Name: ISEE-1/-2

Data Set Name: Fluxgate Magnetometer - 45 Mag. Field

New Data Set Additions Replacements
Comments for purposes of CDAW 6, additions to I 104 & I 204

Time Coverage: 79/03/22 - 79/03/22

Tapes To be Returned to:

Completed By: Ellen Teague

CN INFORMATION

To facilitate the loading of data into a WSP 2.0 data base, please supply the following information. Fill out one form for each data set to be loaded.

CN name, CE name, and library location CN0664 ~~13~~ CE46I104 and I204

Author of CN, CE routines T. Johnson

Uniques routines called by this CN, should be cataloged with the CN _____

Experiment name F6xgate Magnetometer NSSDC ID 77-102B-04H
77-102A-04I

Scientist handling experiment C. Russell

Data set mnemonic I104, I204 Total # of items to be loaded _____

List of item #'s to be loaded _____

Tape #	# of files	# of tracks	density	start/stop time
X-334 N-3739	2	9	1600	81/0-24?

Typical data point separation _____

Minimum data point separation _____ Total # of points _____

Any other information _____

See CON 32 and CON ~~31~~ for CDAWI


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( 2360) 00000003 0000001F 0000000C 00000008 0000002B 00000093 0000267E FFFFF457 00000185 00002840
( 2400) 0000004F 0000005A 00000003 0000001F 0000000C 00000008 0000002F 00000093 000026BF FFFFF498
( 2440) 00000144 00002869 0000004F 0000005A 00000003 0000001F 0000000C 00000008 00000033 00000093
( 2480) 000026FB FFFFF4E1 0000011F 0000288E 0000004F 0000005A 00000003 0000001F 0000000C 00000008
( 2520) 00000037 00000093 00002725 FFFFF521 000000FF 000028A4 0000004F 0000005A 00000003 0000001F
( 2560) 0000000C 00000008 0000003B 00000093 00002755 FFFFF55B 000000D8 000028C2 0000004F 0000005A
( 2600) 00000003 0000001F 0000000C 00000009 00000003 00000093 00002792 FFFFF583 000000AA 000028F1
( 2640) 0000004F 0000005A 00000003 0000001F 0000000C 00000009 00000007 00000093 000027CA FFFFF591
( 2680) 00000086 00002923 0000004F 0000005A 00000003 0000001F 0000000C 00000009 0000000B 00000083
( 2720) 00002802 FFFFF5AF 00000079 00002952 0000004F 0000005A 00000003 0000001F 0000000C 00000009
( 2760) 0000000F 00000083 0000284B FFFFF5DF 00000070 0000298D 0000004F 0000005A 00000003 0000001F
( 2800) 0000000C 00000009 00000013 00000083 000028B4 FFFFF62E 0000006C 000029E0 0000004F 0000005A
( 2840) 00000003 0000001F 0000000C 00000009 00000017 00000083 0000290B FFFFF67D 00000071 00002A22

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FILE INPUT DATA RECORDS MAX. READ ERROR SUMMARY INPUT RETRIES
RECS. INPUT SIZE PERM ZERO B SHORT UNDEF. #RECS. TOTAL#
1 7 7 2880 0 0 0 0 0 0 0

```

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FILE 4 RECORD 243 LENGTH 2880BYTES
( 0) 0000004E 0000005B 00000004 00000001 00000005 00000037 00000002 000002E0 FFFE906E FFFF3781
( 40) 00007239 0001B1FF 0000004F 0000005B 00000004 00000001 00000005 00000037 00000006 000002E0
( 80) FFFE904B FFFF37CB 00007274 0001B20B 0000004F 0000005B 00000004 00000001 00000005 00000037
( 120) 0000000A 000002E0 FFFE9012 FFFF380A 00007298 0001B227 0000004F 0000005B 00000004 00000001
( 160) 00000005 00000037 0000000E 000002E0 FFFE8FBF FFFF3840 00007278 0001B24D 0000004F 0000005B
( 200) 00000004 00000001 00000005 00000037 00000012 000002E0 FFFE8F5C FFFF3855 0000722D 0001B283
( 240) 0000004F 0000005B 00000004 00000001 00000005 00000037 00000016 000002E0 FFFE8F17 FFFF3826
( 280) 000071E0 0001B2BF 0000004F 0000005B 00000004 00000001 00000005 00000037 0000001A 000002E0
( 320) FFFE8EBD FFFF3816 000071A5 0001B303 0000004F 0000005B 00000004 00000001 00000005 00000037
( 360) 0000001E 000002E0 FFFE8E80 FFFF3813 00007186 0001B330 0000004F 0000005B 00000004 00000001
( 400) 00000005 00000037 00000022 000002E0 FFFE8E56 FFFF37C3 00007154 0001B36B 0000004F 0000005B
( 440) 00000004 00000001 00000005 00000037 00000026 000002E0 FFFE8E37 FFFF3785 00007138 0001B39B
( 480) 0000004F 0000005B 00000004 00000001 00000005 00000037 0000002A 000002E0 FFFE8DF3 FFFF37CD
( 520) 00007157 0001B3BC 0000004F 0000005B 00000004 00000001 00000005 00000037 0000002E 000002E0
( 560) FFFE8DB1 FFFF3826 00007187 0001B3D8 0000004F 0000005B 00000004 00000001 00000005 00000037
( 600) 00000032 000002E0 FFFE8D82 FFFF3856 000071C5 0001B3FA 0000004F 0000005B 00000004 00000001
( 640) 00000005 00000037 00000036 000002E0 FFFE8D1A FFFF38E0 00007231 0001B42F 0000004F 0000005B
( 680) 00000004 00000001 00000005 00000037 0000003A 000002E0 FFFE8CC7 FFFF3924 00007287 0001B46D
( 720) 0000004F 0000005B 00000004 00000001 00000005 00000038 00000002 000002E0 FFFE8C74 FFFF3922
( 760) 000072A1 0001B4BC 0000004F 0000005B 00000004 00000001 00000005 00000038 00000006 000002E0
( 800) FFFE8C09 FFFF390E 000072A2 0001B520 0000004F 0000005B 00000004 00000001 00000005 00000038
( 840) 0000000A 000002E0 FFFE8B82 FFFF3902 000072AE 0001B59C 0000004F 0000005B 00000004 00000001
( 880) 00000005 00000038 0000000E 000002E0 FFFE8B10 FFFF38A7 00007296 0001B620 0000004F 0000005B
( 920) 00000004 00000001 00000005 00000038 00000012 000002E0 FFFE8A9A FFFF3859 0000728A 0001B6A4
( 960) 0000004F 0000005B 00000004 00000001 00000005 00000038 00000016 000002E0 FFFE89EC FFFF3858
( 1000) 00007295 0001B73C 0000004F 0000005B 00000004 00000001 00000005 00000038 0000001A 000002E0
( 1040) FFFE895B FFFF3841 000072C9 0001B7CF 0000004F 0000005B 00000004 00000001 00000005 00000038
( 1080) 0000001E 000002E0 FFFE88DF FFFF380B 0000731A 0001B867 0000004F 0000005B 00000004 00000001
( 1120) 00000005 00000038 00000022 000002E0 FFFE8885 FFFF37F9 000073D9 0001B8EE 0000004F 0000005B
( 1160) 00000004 00000001 00000005 00000038 00000026 000002E0 FFFE883B FFFF37D4 000074D5 0001B980
( 1200) 0000004F 0000005B 00000004 00000001 00000005 00000038 0000002A 000002E0 FFFE87BB FFFF374A
( 1240) 00007507 0001BA39 0000004F 0000005B 00000004 00000001 00000005 00000038 0000002E 000002E0
( 1280) FFFE8710 FFFF3703 000074F4 0001BAE5 0000004F 0000005B 00000004 00000001 00000005 00000038
( 1320) 00000032 000002E0 FFFE865D FFFF36FD 00007484 0001BB63 0000004F 0000005B 00000004 00000001
( 1360) 00000005 00000038 00000036 000002E0 FFFE8635 FFFF371F 00007486 0001BB83 0000004F 0000005B
( 1400) 00000004 00000001 00000005 00000038 0000003A 000002E4 FFFE863B FFFF3732 0000750D 0001BB8E
( 1440) 0000004F 0000005B 00000004 00000001 00000005 00000039 00000002 000002E4 FFFE863A FFFF3754
( 1480) 000075A6 0001BBA6 0000004F 0000005B 00000004 00000001 00000005 00000039 00000006 000002E4
( 1520) FFFE863F FFFF3718 0000760E 0001BBD9 0000004F 0000005B 00000004 00000001 00000005 00000039
( 1560) 0000000A 000002E4 FFFE8639 FFFF36B7 00007647 0001BC19 0000004F 0000005B 00000004 00000001
( 1600) 00000005 00000039 0000000E 000002E4 FFFE8610 FFFF3680 00007656 0001BC59 0000004F 0000005B
( 1640) 00000004 00000001 00000005 00000039 00000012 000002E4 FFFE85EF FFFF363C 0000764B 0001BC90
( 1680) 0000004F 0000005B 00000004 00000001 00000005 00000039 00000016 000002E4 FFFE85EE FFFF35CF
( 1720) 0000761C 0001BCB6 0000004F 0000005B 00000004 00000001 00000005 00000039 0000001A 000002E4
( 1760) FFFE85E8 FFFF3571 000075FA 0001BCDE 0000004F 0000005B 00000004 00000001 00000005 00000039

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INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-04L
77-102B-04I

DATE DATA RECEIVED: 3-24-82
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: all 1/2

EXPERIMENT NAME: _____

DATA SET FULL NAME: 4-20 magnetic field data at 5000 Hz

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 1-41111 0-2-#04

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT? Trida M. M. M.
DATA TECHNICIAN

Date 03/24/82
NSSDC ID 77-102A-046
77-102B-047

CDAW DATA SET ENTRY

Date Rcvd : 03/23/82 CDB: 6

Data Sent By : Russell

Material Rcvd : 1 mag. tape + dump

1000 Bin Attr 4 files HP1000

Satellite/NSRF Name: _____

Data Set Name : 4-5 Magnetic Field Data in GSM Coords.

New Data Set Additions Replacements

Comments _____

Time Coverage : 79/03/31/12h - 79/04/01/6h

Tapes To be Returned to: _____

Completed By: Ellen Teague

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-02A-012
77-02B-011

DATE DATA RECEIVED: 08/15/84

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: TSEE 1 + 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: FLUXGATE MAGNETOMETER 4 S MAG FIELD DATA

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 63872 C 24093

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT?

Hail Schneider
DATA TECHNICIAN

CDAW DATA SET ENTRY

August 14, 1984

Date _____

Date Received August 14, 1984 CDB 7 Sent By McPherron (PI = Russell)

Material Received 1 magnetic tape; CDB Tape Documentation Form; 6 pages printout

NSSDC ID 77-102A-04L & 77-102B-04I New Additional Replacement

NSSDC Data Set Name _____

CDAW ID I104 and I204 New Additional Replacement

CDAW Data Set Name 4-s magnetic field data in GSM coordinates

Time Coverage April 24, 1979 1100-1300 and May 11, 1980 0400-0750 (ISEE 1) & 0440-0800 (ISEE 2)

Comments: Should be identical to CDAW 6 data

Tapes to be Returned to: _____

DD Number D-63872 X Number X-135

Initiated by Ellen Stemmer

Additional Information Supplied by _____



CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name SSC796		
2. Scientific Contact Prof. C. T. Russell		3. Telephone No. or Telex No. (213) 835-3188
4. Address Room 6896 Slichter Hall, IGPP, University of California at Los Angeles		
5. City Los Angeles	6. State California	7. ZIP Code or Country 90024
8. Programmer Contact Koji Yamasaki (213) 825-9030		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted	2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi
3. No. of Files (per tape) one (1) Four (4)	
4. No. of End of File Marks One between files and two at the end of last file	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity Odd-parity	7. Make and Model of Computer Used to Generate Tape Hewlett-Packard 1000-f
8. Are tapes written in binary, coded or both? (e.g. BCD) H.P. 32-bit binary integer (same as the IBM 32-bit integer)	
9. What floating point representation is used? (e.g. CDC 64 bit) None	
10. What integer representation is used? H.P. 32-bit binary integers	
11. No. of Physical Records (per file) File-1: ISEE-1 1803 records File-2: ISEE-2 1801 records File-3: ISEE-1 3452 records File-4: ISEE-2 3000 records	
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) File-1: April 24, 1979 11:00 to 13:00 ut File-2: April 24, 1979 11:00 to 13:00 ut File-3: May 11, 1980 04:00 to 07:50 ut File-4: May 11, 1980 04:40 to 08:00 ut	

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

DUMP OF TAPE GOUT1

D-63872

INPUT TAPE GOUT1 ON TAO
DATA INPUT H9 NF 4 FL 1 1 0 SR 4 LAST 1

FILE	1	RECORD	1	LENGTH	2880BYTES
(1)	0000004E	00000072	00000004	00000018	00000008
(40)	00000735	0000442D	0000004F	00000072	00000004
(80)	00004403	FFFFFF57F	00000731	00004532	0000004F
(120)	00000008	00000093	00004514	FFFFFF584	00000726
(160)	0000000F	00000000	0000000F	00000093	0000463A
(200)	00000004	00000018	0000000B	00000000	00000013
(240)	0000004F	00000072	00000004	00000018	0000000B
(280)	00000680	00004973	0000004F	00000072	00000004
(320)	000049AB	FFFFFF694	0000069D	00004A90	0000004F
(360)	0000001F	00000093	00004B0F	FFFFFF78A	00000668
(400)	0000000B	00000000	00000023	00000093	00004C63
(440)	00000004	00000018	0000000B	00000000	00000027
(480)	0000004F	00000072	00000004	00000018	0000000B
(520)	0000065E	00004EC6	0000004F	00000072	00000004
(560)	00004F76	FFFFFFC85	00000681	00004FCF	0000004F
(600)	00000033	00000053	00005097	FFFFFFDE8	000006DB
(640)	0000000B	00000000	00000037	00000053	0000519A
(680)	00000004	00000018	0000000B	00000000	0000003B
(720)	0000004F	00000072	00000004	00000018	0000000B
(760)	00000788	000053F7	0000004F	00000072	00000004
(800)	0000545D	00000294	00000776	000054BC	0000004F
(840)	00000003	00000053	00005525	00000342	00000751
(880)	0000000B	00000001	0000000F	0000001A	000055EC
(920)	00000004	00000018	0000000B	00000001	00000013
(960)	0000004F	00000072	00000004	00000018	0000000B
(1000)	000007D3	00005650	0000004F	00000072	00000004
(1040)	000054F0	FFFFFFE57	000007CF	00005550	0000004F
(1080)	0000001F	0000001A	00005483	00000030	000007D0
(1120)	00000005	00000001	00000023	0000001A	0000547E
(1160)	00000004	00000018	0000000B	00000001	00000027
(1200)	0000004F	00000072	00000004	00000018	0000000B
(1240)	00000814	000055E4	0000004F	00000072	00000004
(1280)	00005629	00000184	00000829	0000563F	0000004F
(1320)	00000032	000003C3	000056CA	000000D0	00000880
(1360)	0000000B	00000001	00000036	000003C3	00005743
(1400)	00000004	00000018	0000000B	00000001	0000003A
(1440)	0000004F	00000072	00000004	00000018	00000003
(1480)	00000958	000057D6	0000004F	00000072	00000004
(1520)	00005711	FFFFFFA2	00000952	00005790	0000004F
(1560)	0000000A	000003C3	000056E9	FFFFFFE00	000008B1
(1600)	0000000B	00000002	0000000E	000003C3	000056DE
(1640)	00000004	00000018	0000000B	00000002	00000012
(1680)	0000004F	00000072	00000004	00000018	0000000B
(1720)	000006F6	0000571D	0000004F	00000072	00000004
(1760)	000056A4	FFFFFFC3	00000740	00005701	0000004F
(1800)	0000001E	00000383	0000568E	FFFFFFCED	000007C1
(1840)	0000000B	00000002	00000022	00000383	0000565D
(1880)	00000004	00000018	0000000B	00000002	00000026
(1920)	0000004F	00000072	00000004	00000018	0000000B
(1960)	000008F8	00005619	0000004F	00000072	00000004
(2000)	00005585	FFFFFFE87	00000912	00005604	0000004F
(2040)	00000032	00000343	00005643	FFFFFFF49	0000090A
(2080)	0000000B	00000002	00000036	0000560E	FFFFFFF5
(2120)	00000004	00000018	0000000B	00000002	0000003A
(2160)	0000004F	00000072	00000004	00000018	0000000B
(2200)	00000885	0000565E	0000004F	00000072	00000004
(2240)	0000562F	00000306	0000093A	000056BB	0000004F

(2360)	00000004	00000018	0000000B	00000003	00000012	00000343	000055FB	FFFFFF29	0000092B	00005679
(2400)	0000004F	00000072	00000004	00000018	0000000B	00000003	00000016	00000303	00005620	FFFFFFDC5
(2440)	00000915	000056A2	0000004F	00000072	00000004	00000018	0000000B	00000003	0000001A	00000303
(2480)	0000551B	FFFFFFD42	000008E7	0000569C	0000004F	00000072	00000004	00000018	0000000B	00000003
(2520)	0000001E	00000303	000055D9	FFFFFFD87	000008DF	00005657	0000004F	00000072	00000004	00000018
(2560)	0000000R	00000003	00000022	00000303	00005539	FFFFFFDA1	000008CC	000055B5	0000004F	00000072
(2600)	00000004	00000018	0000000B	00000003	00000026	00000303	0000548E	FFFFFFD6A	0000088E	00005506
(2640)	0000004F	00000072	00000004	00000018	0000000B	00000003	0000002A	00000303	000053F2	FFFFFFD35
(2680)	0000084F	00005467	0000004F	00000072	00000004	00000018	0000000B	00000003	0000002E	00000303
(2720)	00005381	FFFFFFCDF	00000821	000053F5	0000004F	00000072	00000004	00000018	0000000B	00000003
(2760)	00000032	00000303	000052C4	FFFFFFC8A	00000815	0000533B	0000004F	00000072	00000004	00000018
(2800)	0000000B	00000003	00000036	000002CB	000051F9	FFFFFFBD3	000007F2	00005276	0000004F	00000072
(2840)	00000004	00000018	0000000B	00000003	0000003A	000002CB	00005124	FFFFFFBCA	000007A6	0000519C

FILE	INPUT RECS.	DATA INPUT	RECORDS MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	31	31	2880	0	0	0	0	0	0

FILE	4 RECORD	51 LENGTH	2880BYTES
(0)	FF676981	FF676981	FF676981
(40)	FF676981	FF676981	FF676981
(80)	FF676981	FF676981	FF676981
(120)	FF676981	FF676981	FF676981
(160)	FF676981	FF676981	FF676981
(200)	FF676981	FF676981	FF676981
(240)	FF676981	FF676981	FF676981
(280)	FF676981	FF676981	FF676981
(320)	FF676981	FF676981	FF676981
(360)	FF676981	FF676981	FF676981
(400)	FF676981	FF676981	FF676981
(440)	FF676981	FF676981	FF676981
(480)	FF676981	FF676981	FF676981
(520)	FF676981	FF676981	FF676981
(560)	FF676981	FF676981	FF676981
(600)	FF676981	FF676981	FF676981
(640)	FF676981	FF676981	FF676981
(680)	FF676981	FF676981	FF676981
(720)	FF676981	FF676981	FF676981
(760)	FF676981	FF676981	FF676981
(800)	FF676981	FF676981	FF676981
(840)	FF676981	FF676981	FF676981
(880)	FF676981	FF676981	FF676981
(920)	FF676981	FF676981	FF676981
(960)	FF676981	FF676981	FF676981
(1000)	FF676981	FF676981	FF676981
(1040)	FF676981	FF676981	FF676981
(1080)	FF676981	FF676981	FF676981
(1120)	FF676981	FF676981	FF676981
(1160)	FF676981	FF676981	FF676981
(1200)	FF676981	FF676981	FF676981
(1240)	FF676981	FF676981	FF676981
(1280)	FF676981	FF676981	FF676981
(1320)	FF676981	FF676981	FF676981
(1360)	FF676981	FF676981	FF676981
(1400)	FF676981	FF676981	FF676981
(1440)	FF676981	FF676981	FF676981
(1480)	FF676981	FF676981	FF676981
(1520)	FF676981	FF676981	FF676981
(1560)	FF676981	FF676981	FF676981
(1600)	FF676981	FF676981	FF676981
(1640)	FF676981	FF676981	FF676981
(1680)	FF676981	FF676981	FF676981
(1720)	FF676981	FF676981	FF676981
(1760)	FF676981	FF676981	FF676981

REQ. AGENT
GLS

RAND NO.
V0324

ACQ. AGENT
HKH

ISEE 1 & 2

FLUXGATE MAGNETOMETER 4 SECOND

MAGNETIC FIELD DATA

77-102A-04L

77-102B-04I

THIS DATA SET CONSISTS OF ONE MAGNETIC TAPE. THE TAPE IS 9 TRACK, 1600 BPI, BINARY AND CONTAINS 12 FILES OF DATA. THE TAPE WAS CREATED ON AN HEWLETT-PACKARD 1000-F COMPUTER. THE D AND C NUMBER AND THE TIME COVERAGE ARE AS FOLLOWS:

D#
D-72903

C#
C-25629

TIME SPAN
01/28/83-06/28/83

DATE April 2, 1986
NSSDC ID 77-102A-04E
P.I. C.T. RUSSELL

CDAW DATA SET ENTRY

DATE RECEIVED: MARCH 28, 1986

DATA SENT BY: DR. RICHARD C. ELPHIC

PARTICIPANT: _____

MATERIAL RECEIVED: QUESTIONNAIRE, CDB DOC. TAPE FORM - RECORD FORMAT SHEETS (2) - PRINTOUT LIST 1-9 TRK, 1600 BPI tape

SATELLITE/NSDF NAME: _____

CDAW DATA SET MNEMONIC: I104

CDAW DATA SET NAME: FLUXGATE MAGNETOMETER

AIM FILE DATA SET NAME: 4 SEC MAGNETOMETER DATA 77-102A-04L

no, he says this was used before
CDAW NEW DATA SET

ADDITIONS

REPLACEMENTS

AIM FILE NEW DATA SET

ADDITIONS

REPLACEMENTS

COMMENTS: assuming format is the same. HKH 4/13/86

TIME COVERAGE: SEE ATTACHED SHEET

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Leah Stenwood

DATE: April 2, 1986
NSSDC ID: 77-102B-04I
P.I.: C.T. Russell

CDAW DATA SET ENTRY

DATE RECEIVED: March 28, 1986
DATA SENT BY: Dr. Richard C. Elphic
PARTICIPANT: _____

MATERIAL RECEIVED: Questionnaire, CD3 disc type form, Record format sheets (2), printout listing, and 1 - 96k, 1600 BPI-tape.

SATELLITE/NSDF NAME: _____

CDAW DATA SET MNEMONIC: I204

CDAW DATA SET NAME: FUUKGATE MAGNETOMETER

AIM FILE DATA SET NAME: ~~I5002, FUUKGATE MAGNETOMETER~~

NO
CDAW NEW DATA SET

ADDITIONS

REPLACEMENTS

AIM FILE NEW DATA SET

ADDITIONS

REPLACEMENTS

COMMENTS: maybe -04 B, probably -04 I. (maybe they have some format) If formats are same, make this an addition to -04 I. HKT 4/13/86

TIME COVERAGE: SEE ATTACHED SHEET

TAPES TO BE RETURNED TO: _____

RECEIVED BY: Leah Stetson

COORDINATED DATA BASE 8 (CDB-8) QUESTIONNAIRE

(PLEASE RETURN BY MARCH 10, 1986)

NAME: Dr. Richard C. Elphic TELEPHONE: (213) 825-5097

ADDRESS: Institute of Geophysics and Planetary Physics
University of California
Los Angeles, CA 90024

TELEX (Carrier, Number, Answer Back): _____

TELENET ADDRESS: _____

SPAN ADDRESS (Node Name::Account Name): VXBMS::ELPHIC

TELEMAIL: _____

1. I wish to participate: Yes 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):

- | | | |
|---|---|--|
| <input type="checkbox"/> 1. Solar Wind | <input checked="" type="checkbox"/> 4. Plasma | <input type="checkbox"/> 7. Model/Theory |
| <input checked="" type="checkbox"/> 2. Magnetic Field | <input type="checkbox"/> 5. Waves | <input type="checkbox"/> 8. Other _____ |
| <input type="checkbox"/> 3. Electric Field | <input type="checkbox"/> 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 24 March (date). The data will be submitted on tape , or electronically using the SPAN network.

We plan to send 4 sec resolution data on tape, and 60 sec resolution data over SPAN.

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	0400-1100 UT
B	25 Mar. 1983 0500-1400 UT	0500-1400 UT
C	26 Mar. 1983 0000-0600 UT	0030-0600 UT
D	29 Jan. 1983 0500-1400 UT	0500-0700 UT 0850-1400 UT
E	4 June 1983 0500-1000 UT	0545-0650 UT 0830-1000 UT
F	27-28 June 1983 1500-0300 UT	1500-1510 UT 27 June 1745-2110 UT 27 June 2200-2215 UT 27 June 0010-0300 UT 28 June

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

IDENTIFICATION Spacecraft/ Ground Station	EXPERIMENT IDENTIFICATION	PRINCIPAL INVESTIGATOR	NO. OF PARAM- ETERS FOR CDB	TOTAL DATA POINTS FOR CDB	Used Previously in CDAW No. <u>(7)</u> (is format identical?)
<u>ISEE-1 60 sec</u>	<u>RUM</u>	<u>C.T. Russell</u>	<u>8</u>	<u>2300</u>	
<u>ISEE-2 60 sec</u>	<u>RUD</u>	<u>C.T. Russell</u>	<u>8</u>	<u>2300</u>	
<u>ISEE-1 4 sec *</u>	<u>RUM</u>	<u>C.T. Russell</u>	<u>4</u>	<u>34,500</u>	
<u>ISEE-2 4 sec *</u>	<u>RUD</u>	<u>C.T. Russell</u>	<u>4</u>	<u>34,500</u>	

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.

I want my data set(s) to be loaded without any averaging; if so, my basic time resolution is 60 sec.

* 4 sec magnetometer data will be sent on tape, to be used if necessary at CDAW-8.
The 60 sec data will be sent to NSSDC over SPAN.

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 TELENET _____ Modem _____ Other _____

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

VT100

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,...)

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
SPAN Address: NSSDC::GATEWOOD

FTS: 344-6818
TELEX: 89675 NSCOM GBLT

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name SSC899		
2. Scientific Contact Dr. R. C. Elphic	3. Telephone No. or Telex No. (213) 825-5097	
4. Address Room 6896 Slichter Hall, IGPP, University of California at Los Angeles		
5. City Los Angeles	6. State California	7. ZIP Code or Country 90024
8. Programmer Contact Koji Yamasaki (213) 825-9030		

SECTION II. TAPE DESCRIPTION

Note: Tape format is the same as SSC796 (CDAW-7)

1. No. of Tapes Submitted one	2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi
3. No. of Files (per tape) twelve (12)	
4. No. of End of File Marks One between files and two at the end of the last file	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity Odd parity	7. Make and Model of Computer Used to Generate Tape Hewlett-Packard 1000-F
8. Are tapes written in binary, coded or both? (e.g. BCD) H.P. 32-bit binary integer (same as IBM 32-bit integer)	
9. What floating point representation is used? (e.g. CDC 64 bit) None	
10. What integer representation is used? H.P. 32-bit binary integers	
11. No. of Physical Records (per file) Please see attached sheet	
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) Please see attached sheet	

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

File	Craft	# of ^{blocks} records	Start time	Stop time
-----	-----	-----	-----	-----
1	ISEE-1	104	83 028 0400	83 028 1100
2	ISEE-2	105	83 028 0400	83 028 1100
3	ISEE-1	107	83 029 0500	83 029 1400
4	ISEE-2	106	83 029 0500	83 029 1400
5	ISEE-1	133	83 084 0500	83 084 1400
6	ISEE-2	134	83 084 0500	83 084 1400
7	ISEE-1	74	83 085 0000	83 085 0600
8	ISEE-2	75	83 085 0000	83 085 0600
9	ISEE-1	19	83 155 0500	83 155 1000
10	ISEE-2	45	83 155 0500	83 155 1000
11	ISEE-1	133	83 178 1500	83 179 0300
12	ISEE-2	115	83 178 1500	83 179 0300

Files 13 through 20 are End-Of-File markers

SSC899

IS A 9-TRACK, 1600-BPI, UNLABELED TAPE MADE ON HEWLETT-PACKARD 1000-F. 86 077 MAR 18 20:49:13.690
-- IGPP, UCLA --

RECORD FORMAT = FIXED, BLOCKED
LOGICAL RECORD LENGTH = 48 BYTES
BLOCK SIZE = 2880 BYTES

A RECORD (BLOCK) CONTAINS 60 LOGICAL RECORDS.

EACH LOGICAL RECORD CONTAINS 12 32-BIT INTEGER (BINARY) 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 B_x IN MILLIGAMMAS GSM
WORD 10 ...MAG. FIELD COMPONENT B_y IN MILLIGAMMAS GSM
WORD 11 ...MAG. FIELD COMPONENT B_z IN MILLIGAMMAS GSM
WORD 12 ...MAG. FIELD MAGNITUDE B_t IN MILLIGAMMAS

MISSING DATA ARE FILLED WITH -9999999 .

THE FOLLOWING IS THE PARTIAL DUMP OF THIS TAPE
READ BY FORTRAN FORMAT: (12A4) AND
PRINTED BY FORTRAN FORMAT: (1X,8I4,4I8).

*****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-
 *****-9999999-9999999-9999999-9999999-

----- FILE 2 ----- ISEE-2
 >>>>> BLOCK # 1 <<<<<<<<

83	28	1	28	4	0	2	838	-6843	-17217	14470	23508
83	28	1	28	4	0	6	838	-7861	-16742	14914	23760
83	28	1	28	4	0	10	838	-9411	-15447	16089	24208
83	28	1	28	4	0	14	838	-9692	-15789	14846	23742
83	28	1	28	4	0	18	838	-9423	-16685	13853	23645
83	28	1	28	4	0	22	838	-8420	-16784	13346	23037
83	28	1	28	4	0	26	838	-7835	-16496	12532	22149
83	28	1	28	4	0	30	838	-7460	-16773	11555	21692
83	28	1	28	4	0	34	838	-9263	-15876	12227	22076
83	28	1	28	4	0	38	838	-7336	-16935	11193	21585
83	28	1	28	4	0	42	838	-7048	-17188	13900	23202
83	28	1	28	4	0	46	838	-5364	-17232	15868	24032
83	28	1	28	4	0	50	840	-8561	-15127	18342	25270
83	28	1	28	4	0	54	840	-9657	-13430	16318	23236
83	28	1	28	4	0	58	840	-10197	-13304	13484	21514
83	28	1	28	4	1	2	840	-8965	-14540	10965	20298
83	28	1	28	4	1	6	840	-8298	-16124	9607	20522
83	28	1	28	4	1	10	840	-7441	-16579	8787	20185
83	28	1	28	4	1	14	840	-5668	-16685	8511	19569
83	28	1	28	4	1	18	840	-3707	-16316	9401	19192
83	28	1	28	4	1	22	840	-3970	-17204	11697	21180
83	28	1	28	4	1	26	840	-5451	-17972	14270	23587
83	28	1	28	4	1	30	840	-6955	-17463	16194	24811
83	28	1	28	4	1	34	840	-7078	-15844	16766	24130
83	28	1	28	4	1	38	840	-6995	-14203	16358	22765
83	28	1	28	4	1	42	840	-6735	-14319	15817	22374
83	28	1	28	4	1	46	840	-7388	-14344	15075	22081
83	28	1	28	4	1	50	840	-7776	-13252	15084	21532
83	28	1	28	4	1	54	840	-8893	-11623	14411	20540
83	28	1	28	4	1	58	840	-7959	-12112	13544	19837
83	28	1	28	4	2	2	840	-8055	-13972	13066	20756
83	28	1	28	4	2	6	840	-7864	-15522	13074	21765

>>>>> BLOCK # 105 (THE LAST BLOCK)

83	28	1	28	10	58	47	348	-7539	-43299	48008	65088
83	28	1	28	10	58	51	348	-7081	-43419	48052	65149
83	28	1	28	10	58	55	348	-7122	-43502	48094	65240
83	28	1	28	10	58	59	348	-7142	-43589	48141	65334
83	28	1	28	10	59	3	348	-7169	-43636	48185	65401
83	28	1	28	10	59	7	348	-7081	-43686	48214	65446
83	28	1	28	10	59	11	348	-7073	-43685	48292	65502
83	28	1	28	10	59	15	348	-7058	-43709	48364	65569
83	28	1	28	10	59	19	348	-7054	-43736	48457	65656
83	28	1	28	10	59	23	348	-7043	-43795	48531	65749
83	28	1	28	10	59	27	348	-7115	-43832	48563	65805
83	28	1	28	10	59	31	348	-7174	-43853	48540	65809
83	28	1	28	10	59	35	348	-7219	-43886	48464	65779
83	28	1	28	10	59	39	348	-7321	-43911	48426	65779
83	28	1	28	10	59	43	348	-7411	-43973	48425	65830

83	28	28	10	59	47	348	-7448	-44029	48464	65900	
83	28	1	28	10	59	51	348	-7518	-44056	48518	65966
83	28	1	28	10	59	55	348	-6869	-44149	48587	66008
83	28	1	28	10	59	59	348	-6845	-44109	48656	66030

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----- FILE 3 ----- ISEE-1
 >>>>> BLOCK # 1 <<<<<<<

83	29	1	29	5	0	2	994	-35904	-17752	-2912	40159
83	29	1	29	5	0	6	994	-35950	-17664	-2953	40165
83	29	1	29	5	0	10	994	-35974	-17459	-2969	40097
83	29	1	29	5	0	14	979	-35932	-17349	-2962	40011
83	29	1	29	5	0	18	979	-35889	-17439	-2957	40011
83	29	1	29	5	0	22	979	-35773	-17635	-2914	39989
83	29	1	29	5	0	26	979	-35692	-17716	-2891	39952
83	29	1	29	5	0	30	979	-35667	-17588	-2862	39871
83	29	1	29	5	0	34	979	-35668	-17422	-2855	39799
83	29	1	29	5	0	38	979	-35692	-17386	-2925	39809
83	29	1	29	5	0	42	979	-35702	-17486	-2978	39865
83	29	1	29	5	0	46	964	-35707	-17639	-2984	39938
83	29	1	29	5	0	50	964	-35717	-17628	-2918	39937
83	29	1	29	5	0	54	964	-35722	-17479	-2900	39875
83	29	1	29	5	0	58	964	-35711	-17437	-2873	39845
83	29	1	29	5	1	2	964	-35732	-17522	-2900	39902
83	29	1	29	5	1	6	964	-35678	-17636	-2957	39909
83	29	1	29	5	1	10	964	-35603	-17626	-2988	39840
83	29	1	29	5	1	14	964	-35504	-17517	-2947	39700
83	29	1	29	5	1	18	948	-35487	-17383	-3006	39630
83	29	1	29	5	1	22	948	-35587	-17258	-3100	39672
83	29	1	29	5	1	26	948	-35724	-17308	-3100	39817
83	29	1	29	5	1	30	948	-35834	-17502	-3041	39996
83	29	1	29	5	1	34	948	-35807	-17634	-2988	40026
83	29	1	29	5	1	38	948	-35727	-17557	-3031	39924
83	29	1	29	5	1	42	948	-35676	-17303	-3122	39774
83	29	1	29	5	1	46	948	-35753	-17140	-3208	39779
83	29	1	29	5	1	50	933	-35945	-17171	-3132	39959
83	29	1	29	5	1	54	933	-36103	-17257	-3025	40130
83	29	1	29	5	1	58	933	-36076	-17352	-2950	40141
83	29	1	29	5	2	2	933	-35883	-17391	-3044	39992
83	29	1	29	5	2	6	933	-35682	-17344	-3199	39803

>>>>> BLOCK # 107 (THE LAST BLOCK)

83	29	1	29	13	57	7	540	-3997	17755	-14541	23295
83	29	1	29	13	57	11	540	-4976	20192	-15240	25783
83	29	1	29	13	57	15	540	-5474	24822	-12424	28293
83	29	1	29	13	57	19	524	916	26772	-10398	28735
83	29	1	29	13	57	23	524	4550	27154	-6098	28200
83	29	1	29	13	57	27	524	9854	26031	-6556	28596
83	29	1	29	13	57	31	524	10311	26411	-8073	29479

83	29	1	29	13	57	35	524	9114	23681	-8935	269
83	29	1	29	13	57	39	524	7971	23200	-11293	27006
83	29	1	29	13	57	43	524	2211	19703	-14544	24589
83	29	1	29	13	57	47	524	-2951	20029	-15117	25266
83	29	1	29	13	57	51	509	-6152	20556	-13271	25230
83	29	1	29	13	57	55	509	-3925	19381	-10997	22627
83	29	1	29	13	57	59	509	367	19217	-15835	24903
83	29	1	29	13	58	3	509	2435	21583	-14697	26225
83	29	1	29	13	58	7	509	1615	25140	-17148	30474
83	29	1	29	13	58	11	509	-2607	26043	-15893	30621
83	29	1	29	13	58	15	509	-6147	25962	-17958	32161
83	29	1	29	13	58	19	509	-7402	27767	-15105	32465
83	29	1	29	13	58	23	493	-8683	25135	-16870	31492
83	29	1	29	13	58	27	493	-4690	24584	-15921	29663
83	29	1	29	13	58	31	493	-2884	20503	-18088	27493
83	29	1	29	13	58	35	493	-804	20194	-14955	25142
83	29	1	29	13	58	39	493	-6400	21464	-14163	26501
83	29	1	29	13	58	43	493	-6233	24162	-14154	28688
83	29	1	29	13	58	47	493	-2341	25254	-14505	29217
83	29	1	29	13	58	51	493	2397	19912	-17408	26557
83	29	1	29	13	58	55	478	1684	17420	-17248	24572
83	29	1	29	13	58	59	478	-3701	15527	-18247	24244
83	29	1	29	13	59	3	478	-6172	13724	-16591	22399
83	29	1	29	13	59	7	478	-6108	11312	-15612	20224
83	29	1	29	13	59	11	478	-4175	8792	-15217	18063

----- FILE 4 ----- ISEE-2
 >>>>> BLOCK # 1 <<<<<<<<

83	29	1	29	5	0	2	690	-35679	-18130	-2457	40096
83	29	1	29	5	0	6	690	-35718	-18094	-2602	40124
83	29	1	29	5	0	10	690	-35740	-17980	-2591	40092
83	29	1	29	5	0	14	690	-35728	-17954	-2536	40066
83	29	1	29	5	0	18	690	-35725	-17985	-2424	40070
83	29	1	29	5	0	22	690	-35695	-18038	-2511	40073
83	29	1	29	5	0	26	690	-35692	-17951	-2681	40042
83	29	1	29	5	0	30	690	-35699	-17810	-2812	39994
83	29	1	29	5	0	34	690	-35677	-17735	-2778	39939
83	29	1	29	5	0	38	690	-35661	-17811	-2553	39943
83	29	1	29	5	0	42	690	-35622	-18016	-2239	39982
83	29	1	29	5	0	46	690	-35574	-18200	-2052	40012
83	29	1	29	5	0	50	694	-35559	-18151	-2041	39976
83	29	1	29	5	0	54	694	-35575	-17891	-2262	39885
83	29	1	29	5	0	58	694	-35586	-17762	-2396	39845
83	29	1	29	5	1	2	694	-35626	-17751	-2616	39889
83	29	1	29	5	1	6	694	-35618	-17862	-2614	39932
83	29	1	29	5	1	10	694	-35536	-17939	-2503	39886
83	29	1	29	5	1	14	694	-35411	-17927	-2284	39756
83	29	1	29	5	1	18	694	-35388	-17784	-2277	39671
83	29	1	29	5	1	22	694	-35296	-18014	-2519	39708
83	29	1	29	5	1	26	694	-35406	-18092	-2657	39849
83	29	1	29	5	1	30	694	-35513	-18225	-2627	40003
83	29	1	29	5	1	34	694	-35515	-18380	-2487	40067
83	29	1	29	5	1	38	694	-35379	-18378	-2379	39938
83	29	1	29	5	1	42	694	-35313	-18191	-2514	39803
83	29	1	29	5	1	46	694	-35388	-17968	-2713	39781
83	29	1	29	5	1	50	694	-35552	-17930	-2843	39919
83	29	1	29	5	1	54	693	-35642	-18085	-2691	40058
83	29	1	29	5	1	58	693	-35564	-18224	-2508	40040
83	29	1	29	5	2	2	693	-35350	-18222	-2501	39849
83	29	1	29	5	2	6	693	-35232	-18190	-2653	39740

>>>>> BLOCK # 106 (THE LAST BLOCK)

83	29	1	29	13	57	23	322	1768	27415	-10459	29396
83	29	1	29	13	57	27	322	3200	24371	-12916	27767
83	29	1	29	13	57	31	322	4598	24271	-13105	27964
83	29	1	29	13	57	35	322	5772	24153	-12155	27649
83	29	1	29	13	57	39	322	6330	23496	-12060	27159
83	29	1	29	13	57	43	322	1079	21523	-13128	25235
83	29	1	29	13	57	47	322	-4458	20334	-15963	26233
83	29	1	29	13	57	51	322	-8887	20369	-14613	26598
83	29	1	29	13	57	55	321	-6813	18380	-12310	23147
83	29	1	29	13	57	59	321	-3894	17377	-13499	22346
83	29	1	29	13	58	3	321	-2306	17761	-12976	22117
83	29	1	29	13	58	7	321	-1659	20794	-14291	25286
83	29	1	29	13	58	11	321	-3245	22506	-15182	27341
83	29	1	29	13	58	15	321	-6304	23755	-16371	29531
83	29	1	29	13	58	19	321	-8306	26578	-14703	31489
83	29	1	29	13	58	23	321	-6088	25756	-13629	29770
83	29	1	29	13	58	27	321	-2867	25544	-14190	29362
83	29	1	29	13	58	31	321	1111	19757	-18107	26823
83	29	1	29	13	58	35	321	1210	19940	-17831	26777
83	29	1	29	13	58	39	321	-756	19789	-17917	26706
83	29	1	29	13	58	43	321	-4366	22463	-16665	28309
83	29	1	29	13	58	47	321	-1623	22432	-17145	28280
83	29	1	29	13	58	51	321	-1650	20840	-16211	26454
83	29	1	29	13	58	55	321	-4296	16244	-17156	24014
83	29	1	29	13	58	59	322	-10159	12646	-15548	22469
83	29	1	29	13	59	3	322	-7979	10226	-17076	21443
83	29	1	29	13	59	7	322	-2858	11843	-15082	19388
83	29	1	29	13	59	11	322	862	10950	-16713	20000
83	29	1	29	13	59	15	322	-2758	12703	-13601	18815
83	29	1	29	13	59	19	322	-4506	13803	-12236	18988
83	29	1	29	13	59	23	322	-9152	17523	-12546	23414
83	29	1	29	13	59	27	322	-10637	18930	-14881	26324

----- FILE 5 ----- ISEE-1
 >>>>> BLOCK # 1 <<<<<<<<

83	84	3	25	5	0	2	688	-34428	-1926	125	34483
83	84	3	25	5	0	6	688	-34426	-1951	-1195	34502
83	84	3	25	5	0	10	688	-34410	-2008	-1114	34486
83	84	3	25	5	0	14	688	-34412	-2063	-1052	34490
83	84	3	25	5	0	18	688	-34455	-2110	-964	34533
83	84	3	25	5	0	22	672	-34493	-2121	-938	34571
83	84	3	25	5	0	26	672	-34512	-2113	-906	34589
83	84	3	25	5	0	30	672	-34515	-2157	-869	34593
83	84	3	25	5	0	34	672	-34507	-2214	-869	34589
83	84	3	25	5	0	38	672	-34502	-2256	-860	34587
83	84	3	25	5	0	42	672	-34554	-2304	-853	34642
83	84	3	25	5	0	46	672	-34581	-2392	-908	34676
83	84	3	25	5	0	50	672	-34612	-2421	-947	34710
83	84	3	25	5	0	54	656	-34599	-2513	-991	34704
83	84	3	25	5	0	58	656	-34567	-2503	-953	34671
83	84	3	25	5	1	2	656	-34586	-2527	-960	34691
83	84	3	25	5	1	6	656	-34588	-2525	-953	34693
83	84	3	25	5	1	10	656	-34565	-2538	-1012	34673
83	84	3	25	5	1	14	656	-34558	-2542	-1101	34669
83	84	3	25	5	1	18	656	-34525	-2602	-1128	34641
83	84	3	25	5	1	22	656	-34573	-2622	-1123	34691
83	84	3	25	5	1	26	640	-34592	-2658	-1188	34714
83	84	3	25	5	1	30	640	-34643	-2649	-1214	34765
83	84	3	25	5	1	34	640	-34643	-2647	-1237	34766
83	84	3	25	5	1	38	640	-34640	-2616	-1257	34762
83	84	3	25	5	1	42	640	-34636	-2628	-1282	34759

83	84	3	25	5	1	46	640	-34640	-2621	-1281	34703
83	84	3	25	5	1	50	640	-34639	-2615	-1321	34762
83	84	3	25	5	1	54	640	-34629	-2585	-1376	34753
83	84	3	25	5	1	58	624	-34601	-2535	-1356	34720
83	84	3	25	5	2	2	624	-34573	-2535	-1393	34694
83	84	3	25	5	2	6	624	-34577	-2492	-1432	34697

>>>>> BLOCK # 133 (THE LAST BLOCK)

83	84	3	25	13	58	27	212	-42672	-6967	240	43238
83	84	3	25	13	58	31	212	-42695	-6984	316	43264
83	84	3	25	13	58	35	212	-42720	-7074	459	43304
83	84	3	25	13	58	39	212	-42669	-7130	569	43264
83	84	3	25	13	58	43	212	-42655	-7126	646	43251
83	84	3	25	13	58	47	196	-42606	-7096	620	43198
83	84	3	25	13	58	51	196	-42606	-6996	558	43180
83	84	3	25	13	58	55	196	-42579	-6986	593	43152
83	84	3	25	13	58	59	196	-42626	-7059	704	43212
83	84	3	25	13	59	3	196	-42727	-7085	730	43316
83	84	3	25	13	59	7	196	-42856	-7022	729	43434
83	84	3	25	13	59	11	196	-42974	-6906	662	43531
83	84	3	25	13	59	15	196	-43025	-6882	601	43576
83	84	3	25	13	59	19	180	-43076	-6935	454	43633
83	84	3	25	13	59	23	180	-43084	-6976	316	43647
83	84	3	25	13	59	27	180	-43110	-7021	229	43678
83	84	3	25	13	59	31	180	-43198	-7042	203	43768
83	84	3	25	13	59	35	180	-43309	-7072	226	43883
83	84	3	25	13	59	39	180	-43427	-7111	269	44006
83	84	3	25	13	59	43	180	-43468	-7124	336	44049
83	84	3	25	13	59	47	180	-43467	-7134	393	44051
83	84	3	25	13	59	51	164	-43454	-7124	493	44036
83	84	3	25	13	59	55	164	-43398	-7116	647	43983
83	84	3	25	13	59	59	164	-43366	-7087	775	43948
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*****-9999999-9999999-9999999-9999999											
*****-9999999-9999999-9999999-9999999											

----- FILE 6 ----- ISEE-2
 >>>>> BLOCK # 1 <<<<<<<<

83	84	3	25	5	0	1	850	-34574	-2031	-892	34645
83	84	3	25	5	0	5	850	-34579	-2077	-867	34652
83	84	3	25	5	0	9	850	-34581	-2158	-850	34659
83	84	3	25	5	0	13	850	-34581	-2202	-834	34661
83	84	3	25	5	0	17	850	-34589	-2258	-809	34672
83	84	3	25	5	0	21	850	-34604	-2303	-785	34689
83	84	3	25	5	0	25	850	-34611	-2372	-770	34700
83	84	3	25	5	0	29	850	-34610	-2406	-754	34702
83	84	3	25	5	0	33	850	-34600	-2428	-734	34693
83	84	3	25	5	0	37	850	-34589	-2490	-739	34687
83	84	3	25	5	0	41	850	-34600	-2531	-746	34701
83	84	3	25	5	0	45	850	-34625	-2576	-757	34729
83	84	3	25	5	0	49	850	-34638	-2648	-782	34748
83	84	3	25	5	0	53	850	-34649	-2737	-811	34767
83	84	3	25	5	0	57	850	-34650	-2786	-837	34772
83	84	3	25	5	1	1	850	-34664	-2836	-866	34790
83	84	3	25	5	1	5	850	-34686	-2679	-808	34799
83	84	3	25	5	1	9	850	-34705	-2690	-823	34819

83	84	3	25	5	1	13	850	-34710	-2698	-845	348
83	84	3	25	5	1	17	850	-34726	-2736	-887	34845
83	84	3	25	5	1	21	850	-34711	-2768	-921	34833
83	84	3	25	5	1	25	850	-34722	-2776	-926	34845
83	84	3	25	5	1	29	850	-34740	-2822	-945	34867
83	84	3	25	5	1	33	850	-34741	-2866	-955	34872
83	84	3	25	5	1	37	849	-34745	-2862	-959	34876
83	84	3	25	5	1	41	849	-34726	-2859	-962	34857
83	84	3	25	5	1	45	849	-34733	-2845	-986	34863
83	84	3	25	5	1	49	849	-34727	-2806	-1005	34855
83	84	3	25	5	1	53	849	-34732	-2769	-1036	34858
83	84	3	25	5	1	57	849	-34719	-2776	-1082	34847
83	84	3	25	5	2	1	849	-34717	-2763	-1099	34844
83	84	3	25	5	2	5	849	-34720	-2731	-1087	34844

>>>>> BLOCK # 134 (THE LAST BLOCK)

83	84	3	25	13	58	2	490	-42158	-7423	1141	42822
83	84	3	25	13	58	6	490	-42268	-7424	1137	42930
83	84	3	25	13	58	10	490	-42300	-7483	1120	42971
83	84	3	25	13	58	14	490	-42326	-7509	1110	43001
83	84	3	25	13	58	18	490	-42346	-7526	1119	43024
83	84	3	25	13	58	22	490	-42345	-7579	1138	43033
83	84	3	25	13	58	26	489	-42379	-7557	1161	43063
83	84	3	25	13	58	30	489	-42413	-7516	1184	43090
83	84	3	25	13	58	34	489	-42434	-7550	1139	43116
83	84	3	25	13	58	38	489	-42429	-7568	1180	43115
83	84	3	25	13	58	42	489	-42416	-7539	1215	43098
83	84	3	25	13	58	46	489	-42383	-7522	1297	43065
83	84	3	25	13	58	50	489	-42332	-7555	1319	43021
83	84	3	25	13	58	54	489	-42311	-7517	1313	42994
83	84	3	25	13	58	58	489	-42354	-7456	1284	43025
83	84	3	25	13	59	2	489	-42459	-7477	1224	43130
83	84	3	25	13	59	6	489	-42584	-7563	1261	43269
83	84	3	25	13	59	10	489	-42726	-7563	1297	43410
83	84	3	25	13	59	14	489	-42790	-7591	1296	43478
83	84	3	25	13	59	18	489	-42838	-7517	1244	43510
83	84	3	25	13	59	22	489	-42850	-7431	1251	43507
83	84	3	25	13	59	26	489	-42889	-7396	1233	43539
83	84	3	25	13	59	30	490	-42955	-7440	1168	43610
83	84	3	25	13	59	34	490	-43074	-7453	1098	43727
83	84	3	25	13	59	38	490	-43194	-7494	1070	43852
83	84	3	25	13	59	42	490	-43281	-7533	1086	43945
83	84	3	25	13	59	46	490	-43299	-7550	1108	43966
83	84	3	25	13	59	50	490	-43264	-7517	1153	43928
83	84	3	25	13	59	54	490	-43204	-7486	1200	43864
83	84	3	25	13	59	58	490	-43163	-7443	1281	43819

*****-9999999-9999999-9999999-9999999
 *****-9999999-9999999-9999999-9999999

----- FILE 7 ----- ISEE-1
 >>>>> BLOCK # 1 <<<<<<<<

83	85	3	26	0	38	12	825	-51367	-1275	7330	51903
83	85	3	26	0	38	16	825	-51214	-1273	5742	51551
83	85	3	26	0	38	20	825	-51025	-1142	5701	51356
83	85	3	26	0	38	24	825	-50833	-1173	5857	51183
83	85	3	26	0	38	28	825	-50649	-967	6007	51013
83	85	3	26	0	38	32	825	-50528	-1034	5963	50889
83	85	3	26	0	38	36	825	-50445	-836	5557	50757
83	85	3	26	0	38	40	825	-50417	-1012	5252	50700
83	85	3	26	0	38	44	810	-50427	-1100	5039	50690
83	85	3	26	0	38	48	810	-50434	-1234	5066	50703

83	85	3	26	0	38	52	810	-50335	-1116	5233	50615
83	85	3	26	0	38	56	810	-50231	-992	5393	50529
83	85	3	26	0	39	0	810	-50068	-975	5452	50373
83	85	3	26	0	39	4	810	-49977	-1051	5369	50276
83	85	3	26	0	39	8	810	-49846	-1173	5305	50141
83	85	3	26	0	39	12	810	-49695	-1227	5364	49999
83	85	3	26	0	39	16	794	-49580	-1188	5416	49889
83	85	3	26	0	39	20	794	-49374	-1053	5599	49702
83	85	3	26	0	39	24	794	-49161	-929	6012	49536
83	85	3	26	0	39	28	794	-48845	-1123	7340	49407
83	85	3	26	0	39	32	794	-48570	-1140	8366	49299
83	85	3	26	0	39	36	794	-48371	-1533	9110	49245
83	85	3	26	0	39	40	794	-48312	-1529	8730	49118
83	85	3	26	0	39	44	794	-48178	-1748	9039	49050
83	85	3	26	0	39	48	779	-48026	-1927	9395	48974
83	85	3	26	0	39	52	779	-47856	-2251	9804	48902
83	85	3	26	0	39	56	779	-48031	-2394	9117	48948
83	85	3	26	0	40	0	779	-48132	-2193	8686	48958
83	85	3	26	0	40	4	779	-48134	-1847	8748	48958
83	85	3	26	0	40	8	779	-48013	-1686	9313	48937
83	85	3	26	0	40	12	779	-47998	-1476	9767	49004
83	85	3	26	0	40	16	779	-48120	-1356	9993	49165

>>>>>> BLOCK # 74 (THE LAST BLOCK)

83	85	3	26	5	56	43	680	-34086	-8453	541	35123
83	85	3	26	5	56	47	680	-33964	-8707	849	35073
83	85	3	26	5	56	51	680	-33848	-8803	988	34988
83	85	3	26	5	56	55	680	-33730	-8569	1080	34818
83	85	3	26	5	56	59	664	-33786	-8080	1006	34754
83	85	3	26	5	57	3	664	-33916	-7613	1154	34779
83	85	3	26	5	57	7	664	-34096	-7604	1478	34966
83	85	3	26	5	57	11	664	-34175	-7840	1597	35099
83	85	3	26	5	57	15	664	-34216	-8057	1407	35180
83	85	3	26	5	57	19	664	-34169	-8085	1042	35128
83	85	3	26	5	57	23	664	-33999	-8077	701	34952
83	85	3	26	5	57	27	664	-33702	-8133	596	34675
83	85	3	26	5	57	31	648	-33440	-8302	918	34467
83	85	3	26	5	57	35	648	-33162	-8528	1281	34265
83	85	3	26	5	57	39	648	-32934	-8595	1753	34083
83	85	3	26	5	57	43	648	-32750	-8616	2125	33931
83	85	3	26	5	57	47	648	-32595	-8435	2663	33774
83	85	3	26	5	57	51	648	-32539	-8253	2948	33698
83	85	3	26	5	57	55	648	-32495	-8168	3008	33641
83	85	3	26	5	57	59	648	-32482	-8083	2891	33598
83	85	3	26	5	58	3	632	-32554	-7910	2711	33611
83	85	3	26	5	58	7	632	-32530	-7871	2544	33565
83	85	3	26	5	58	11	632	-32416	-7809	2483	33436
83	85	3	26	5	58	15	632	-32286	-7721	2600	33298
83	85	3	26	5	58	19	632	-32113	-7639	2824	33129
83	85	3	26	5	58	23	632	-32015	-7587	3091	33047
83	85	3	26	5	58	27	632	-32016	-7500	3317	33050
83	85	3	26	5	58	31	632	-32023	-7307	3465	33029
83	85	3	26	5	58	35	620	-32083	-7072	3602	33050
83	85	3	26	5	58	39	620	-32094	-6798	3765	33022
83	85	3	26	5	58	43	620	-32154	-6562	3902	33048
83	85	3	26	5	58	47	620	-32155	-6315	4015	33015

----- FILE 8 ----- ISEE-2
 >>>>>> BLOCK # 1 <<<<<<<<

83	85	3	26	0	37	23	249	-52380	-1401	4898	52627
83	85	3	26	0	37	27	249	-52353	-1272	5252	52631

*****-9999999-9999999-9999999-9999999

----- FILE 9 ----- ISEE-1
>>>>> BLOCK # 1 <<<<<<<

83	155	6	4	5	11	12	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	16	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	20	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	24	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	28	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	32	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	36	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	40	244-9999999-9999999-9999999-9999999
83	155	6	4	5	11	44	228-9999999-9999999-9999999-9999999
83	155	6	4	5	11	48	228-9999999-9999999-9999999-9999999
83	155	6	4	5	11	52	228-9999999-9999999-9999999-9999999
83	155	6	4	5	11	56	228-9999999-9999999-9999999-9999999
83	155	6	4	5	12	0	228-9999999-9999999-9999999-9999999
83	155	6	4	5	12	4	228-9999999-9999999-9999999-9999999
83	155	6	4	5	12	8	228-9999999-9999999-9999999-9999999
83	155	6	4	5	12	12	228-9999999-9999999-9999999-9999999
83	155	6	4	5	12	16	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	20	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	24	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	28	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	32	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	36	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	40	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	44	212-9999999-9999999-9999999-9999999
83	155	6	4	5	12	48	200-9999999-9999999-9999999-9999999
83	155	6	4	5	12	52	200-9999999-9999999-9999999-9999999
83	155	6	4	5	12	56	200-9999999-9999999-9999999-9999999
83	155	6	4	5	13	0	200-9999999-9999999-9999999-9999999
83	155	6	4	5	13	4	200-9999999-9999999-9999999-9999999
83	155	6	4	5	13	8	200-9999999-9999999-9999999-9999999
83	155	6	4	5	13	12	200-9999999-9999999-9999999-9999999
83	155	6	4	5	13	16	200-9999999-9999999-9999999-9999999

>>>>> BLOCK # 19 (THE LAST BLOCK)

83	155	6	4	6	23	10	244	2227233	3575073	1979809	4654178
83	155	6	4	6	23	14	244	2228615	3597036	1985567	4674172
83	155	6	4	6	23	18	244	2229898	3619098	1991323	4694220
83	155	6	4	6	23	22	244	2231391	3641147	1997160	4714416
83	155	6	4	6	23	26	244	2232245	3663724	2002989	4734740
83	155	6	4	6	23	30	244	2233253	3686155	2008781	4755035
83	155	6	4	6	23	34	244	2234116	3708747	2014734	4775483
83	155	6	4	6	23	38	244	2234440	3731698	2020688	4795985
83	155	6	4	6	23	42	228	2239137	3752275	2026598	4816681
83	155	6	4	6	23	46	228	2240129	3775052	2032620	4837431
83	155	6	4	6	23	50	228	2241027	3797928	2038704	4858270
83	155	6	4	6	23	54	228	2241811	3820920	2044773	4879164
83	155	6	4	6	23	58	228	2242387	3844077	2050896	4900144
83	155	6	4	6	24	2	228	2243005	3867389	2057195	4921364
83	155	6	4	6	24	6	228	2243593	3890753	2063374	4942590
83	155	6	4	6	24	10	228	2243965	3914266	2069606	4963884
83	155	6	4	6	24	14	212	2244331	3937894	2075962	4985345
83	155	6	4	6	24	18	212	2244596	3961651	2082243	5006858
83	155	6	4	6	24	22	212	2244837	3985391	2088501	5028368
83	155	6	4	6	24	26	212	2244759	4009448	2094947	5050093
83	155	6	4	6	24	30	212	2245068	4033480	2101346	5071977
83	155	6	4	6	24	34	212	2244961	4057718	2107709	5093855
83	155	6	4	6	24	38	212	2244726	4082087	2114211	5115870

83	179	6	28	2	56	57	234	179470	1980	308373	356
83	179	6	28	2	57	1	234	179972	2010	308939	357544
83	179	6	28	2	57	5	234	180443	2049	309597	358350
83	179	6	28	2	57	9	234	180925	2086	310122	359046
83	179	6	28	2	57	13	234	181407	2132	310590	359694
83	179	6	28	2	57	17	234	181948	2140	310974	360298
83	179	6	28	2	57	21	218	182417	2330	311374	360881
83	179	6	28	2	57	25	218	182949	2347	311759	361483
83	179	6	28	2	57	29	218	183410	2387	312202	362099
83	179	6	28	2	57	33	218	183923	2444	312731	362815
83	179	6	28	2	57	37	218	184354	2474	313314	363535
83	179	6	28	2	57	41	218	184867	2488	313889	364292
83	179	6	28	2	57	45	218	185337	2500	314391	364963
83	179	6	28	2	57	49	218	185870	2542	314798	365585
83	179	6	28	2	57	53	202	186352	2618	315160	366142
83	179	6	28	2	57	57	202	186854	2680	315513	366702
83	179	6	28	2	58	1	202	187395	2754	315903	367314
83	179	6	28	2	58	5	202	187927	2772	316322	367946
83	179	6	28	2	58	9	202	188471	2816	316814	368647
83	179	6	28	2	58	13	202	188935	2827	317377	369368
83	179	6	28	2	58	17	202	189451	2856	317994	370162
83	179	6	28	2	58	21	202	189920	2886	318537	370869
83	179	6	28	2	58	25	188	190390	3120	319006	371515
83	179	6	28	2	58	29	188	190878	3192	319384	372090
83	179	6	28	2	58	33	188	191422	3227	319766	372697

----- FILE 12 ----- ISEE-2
 >>>>> BLOCK # 1 <<<<<<<

83	178	6	27	15	0	3	434	-12278	8895	4367	15778
83	178	6	27	15	0	7	434	-12329	8883	4330	15801
83	178	6	27	15	0	11	434	-12417	8899	4191	15842
83	178	6	27	15	0	15	434	-12508	8900	4079	15884
83	178	6	27	15	0	19	434	-12570	8877	3994	15898
83	178	6	27	15	0	23	434	-12594	8813	4025	15890
83	178	6	27	15	0	27	434	-12671	8838	4016	15963
83	178	6	27	15	0	31	434	-12814	8940	4131	16161
83	178	6	27	15	0	35	434	-12948	9119	4164	16376
83	178	6	27	15	0	39	434	-13004	9221	4147	16472
83	178	6	27	15	0	43	434	-12981	9190	4013	16404
83	178	6	27	15	0	47	434	-12921	9073	3925	16269
83	178	6	27	15	0	51	434	-12906	8989	3884	16201
83	178	6	27	15	0	55	434	-12971	8949	3830	16218
83	178	6	27	15	0	59	434	-13054	8941	3769	16266
83	178	6	27	15	1	3	434	-13075	8928	3734	16267
83	178	6	27	15	1	7	434	-12982	8991	3685	16216
83	178	6	27	15	1	11	434	-12871	9113	3539	16163
83	178	6	27	15	1	15	433	-12784	9299	3323	16154
83	178	6	27	15	1	19	433	-12761	9469	3167	16203
83	178	6	27	15	1	23	433	-12800	9564	3137	16284
83	178	6	27	15	1	27	433	-12881	9559	3191	16355
83	178	6	27	15	1	31	433	-12952	9545	3227	16409
83	178	6	27	15	1	35	433	-12999	9548	3252	16453
83	178	6	27	15	1	39	433	-13016	9552	3262	16471
83	178	6	27	15	1	43	433	-12953	9558	3345	16442
83	178	6	27	15	1	47	433	-13018	9475	3285	16433
83	178	6	27	15	1	51	433	-13087	9365	3136	16396
83	178	6	27	15	1	55	433	-13187	9208	2955	16353
83	178	6	27	15	1	59	433	-13185	9072	2918	16269
83	178	6	27	15	2	3	433	-13151	8956	3018	16194
83	178	6	27	15	2	7	433	-13125	8840	3120	16129

>>>>> BLOCK # 115 (THE LAST BLOCK)

83	179	6	28	2	58	12	212	135228	-119	261208	294137
83	179	6	28	2	58	16	212	135576	-281	261579	294626
83	179	6	28	2	58	20	212	135808	1648	262004	295115
83	179	6	28	2	58	24	212	136205	1602	262413	295661
83	179	6	28	2	58	28	212	136597	1489	262843	296222
83	179	6	28	2	58	32	212	137001	1540	263284	296800
83	179	6	28	2	58	36	212	137398	1628	263700	297353
83	179	6	28	2	58	40	212	137812	1521	264099	297897
83	179	6	28	2	58	44	212	138194	1480	264537	298462
83	179	6	28	2	58	48	212	138559	1564	264957	299004
83	179	6	28	2	58	52	212	138929	1503	265397	299565
83	179	6	28	2	58	56	212	139318	1426	265824	300124
83	179	6	28	2	59	0	212	139682	1493	266309	300723
83	179	6	28	2	59	4	212	140099	1434	266788	301340
83	179	6	28	2	59	8	212	140526	1300	267281	301974
83	179	6	28	2	59	12	212	140951	1334	267716	302557
83	179	6	28	2	59	16	212	141347	1363	268115	303095
83	179	6	28	2	59	20	212	141749	1228	268536	303655
83	179	6	28	2	59	24	214	142090	1820	268983	304212
83	179	6	28	2	59	28	214	142434	1924	269496	304827
83	179	6	28	2	59	32	214	142794	1831	269910	305360
83	179	6	28	2	59	36	214	143136	1769	270356	305914
83	179	6	28	2	59	40	214	143507	1779	270744	306431
83	179	6	28	2	59	44	214	143897	1731	271135	306959
83	179	6	28	2	59	48	214	144269	1628	271485	307442
83	179	6	28	2	59	52	214	144658	1700	271875	307969
83	179	6	28	2	59	56	213	145035	1730	272310	308530

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 *****-9999999-9999999-9999999-9999999
 *****-9999999-9999999-9999999-9999999
 *****-9999999-9999999-9999999-9999999

----- END OF TAPE 12 FILES READ -----

DUMP OF TAPE GLS2OUT

INPUT TAPE GLS2OUT ON TB2
 DATA INPUT H9 NF=12 SR=1=1=1 SR=1=LAST=1 SR=12=1=1 SR=12=LAST=1

FILE	1	RECORD	1	LENGTH	2880	BYTES						
(0)	00000053	0000001C	00000001	00000001C	00000004	00000000	00000003	000001A0	FFFFD54A	FFFFBBBF		
(40)	0000288A	00005A26	00000053	0000001C	00000001	0000001C	00000004	00000000	00000007	000001A0		
(80)	FFFFD304	FFFFBEA5	00002CA8	00005B0C	00000053	0000001C	00000001	0000001C	00000004	00000000		
(120)	0000000B	000001A0	FFFFD6A9	FFFFBF87	00003094	00005AB2	00000053	0000001C	00000001	0000001C		
(160)	00000004	00000000	0000000F	000001A0	FFFFD79F	FFFFBEF4	00002FF2	00005A56	00000053	0000001C		
(200)	00000001	0000001C	00000004	00000000	00000013	000001A0	FFFFD8FD	FFFFBC75	00002C29	000059A2		
(240)	00000053	0000001C	00000001	0000001C	00000004	00000000	00000017	000001A0	FFFFD723	FFFFB883		
(280)	00002929	00005C0F	00000053	0000001C	00000001	0000001C	00000004	00000000	0000001B	000001A0		
(320)	FFFFD621	FFFFB7FE	000029E4	00005D3E	00000053	0000001C	00000001	0000001C	00000004	00000000		
(360)	0000001F	00000191	FFFFD46F	FFFFB93B	00002D68	00005EB3	00000053	0000001C	00000001	0000001C		
(400)	00000004	00000000	00000023	00000191	FFFFD467	FFFFBAB3	0000235A	0000592F	00000053	0000001C		
(440)	00000001	0000001C	00000004	00000000	00000027	00000191	FFFFCF61	FFFFB97	00001CCD	000058BC		
(480)	00000053	0000001C	00000001	0000001C	00000004	00000000	0000002B	00000191	FFFFC6D8	FFFFC269		
(520)	0000198F	000057D4	00000053	0000001C	00000001	0000001C	00000004	00000000	0000002F	00000191		
(560)	FFFFC4B3	FFFFC717	00002316	0000595E	00000053	0000001C	00000001	0000001C	00000004	00000000		
(600)	00000033	00000191	FFFFCBCD	FFFFC8F0	00002B08	0000573A	00000053	0000001C	00000001	0000001C		
(640)	00000004	00000000	00000037	00000191	FFFFD79F	FFFFC30E	00002D36	000055F5	00000053	0000001C		
(680)	00000001	0000001C	00000004	00000000	0000003B	00000191	FFFFDE67	FFFFBE30	00002B06	00005582		
(720)	00000053	0000001C	00000001	0000001C	00000004	00000001	00000003	00000181	FFFFDEAD	FFFFB832		
(760)	00002584	00005529	00000053	0000001C	00000001	0000001C	00000004	00000001	00000007	00000181		
(800)	FFFFD06B	FFFFB977	00001FCB	000054BF	00000053	0000001C	00000001	0000001C	00000004	00000001		
(840)	0000000B	00000181	FFFFD05A	FFFFB748	0000161E	00005462	00000053	0000001C	00000001	0000001C		
(880)	00000004	00000001	0000000F	00000181	FFFFD09F	FFFFB533	000012DB	00005646	00000053	0000001C		
(920)	00000001	0000001C	00000004	00000001	00000013	00000181	FFFFD86D	FFFFB686	00001792	000056B8		
(960)	00000053	0000001C	00000001	0000001C	00000004	00000001	00000017	00000181	FFFFD649	FFFFB6C4		
(1000)	00002593	00005C47	00000053	0000001C	00000001	0000001C	00000004	00000001	0000001B	00000181		
(1040)	FFFFD6DE	FFFFB960	000031D7	00005FB8	00000053	0000001C	00000001	0000001C	00000004	00000001		
(1080)	0000001F	00000181	FFFFD5A3	FFFFBBA9	00003775	000061AD	00000053	0000001C	00000001	0000001C		
(1120)	00000004	00000001	00000023	00000172	FFFFD86D	FFFFC1A9	000036E5	00005C03	00000053	0000001C		
(1160)	00000001	0000001C	00000004	00000001	00000027	00000172	FFFFD636	FFFFC3CF	00003364	00005981		
(1200)	00000053	0000001C	00000001	0000001C	00000004	00000001	0000002B	00000172	FFFFD28D	FFFFC7C6		
(1240)	00002E18	000055BF	00000053	0000001C	00000001	0000001C	00000004	00000001	0000002F	00000172		
(1280)	FFFFCA01	FFFFCD32	00002AA8	00005589	00000053	0000001C	00000001	0000001C	00000004	00000001		
(1320)	00000033	00000172	FFFFC77E	FFFFD529	00002AD3	000052D7	00000053	0000001C	00000001	0000001C		
(1360)	00000004	00000001	00000037	00000172	FFFFC5CD	FFFFD591	00002A6E	00005398	00000053	0000001C		
(1400)	00000001	0000001C	00000004	00000001	0000003B	00000172	FFFFC4A1	FFFFD2DF	00002A75	000055D0		
(1440)	00000053	0000001C	00000001	0000001C	00000004	00000002	00000003	00000172	FFFFC64F	FFFFCA60		
(1480)	0000254F	00005728	00000053	0000001C	00000001	0000001C	00000004	00000002	00000007	00000163		
(1520)	FFFFC45F	FFFFC869	00002229	00005864	00000053	0000001C	00000001	0000001C	00000004	00000002		
(1560)	0000000B	00000163	FFFFC640	FFFFC58D	00001FE1	00005823	00000053	0000001C	00000001	0000001C		
(1600)	00000004	00000002	0000000F	00000163	FFFFC554	FFFFC3D5	00001EFA	00005991	00000053	0000001C		
(1640)	00000001	0000001C	00000004	00000002	00000013	00000163	FFFFC82B	FFFFBFF3	000020ED	00005821		
(1680)	00000053	0000001C	00000001	0000001C	00000004	00000002	00000017	00000163	FFFFC6E2	FFFFBE04		
(1720)	0000229F	00005DE4	00000053	0000001C	00000001	0000001C	00000004	00000002	0000001B	00000163		
(1760)	FFFFC3DA	FFFFBE0C	00002537	00006085	00000053	0000001C	00000001	0000001C	00000004	00000002		
(1800)	0000001F	00000163	FFFFC5D6	FFFFB953	000023AD	0000623E	00000053	0000001C	00000001	0000001C		
(1840)	00000004	00000002	00000023	00000163	FFFFC8DA	FFFFB3B6	00002051	00006387	00000053	0000001C		
(1880)	00000001	0000001C	00000004	00000002	00000027	00000153	FFFFC87A	FFFFB18E	00001F01	000064FC		
(1920)	00000053	0000001C	00000001	0000001C	00000004	00000002	0000002B	00000153	FFFFC5F3	FFFFB398		
(1960)	00002049	0000653E	00000053	0000001C	00000001	0000001C	00000004	00000002	0000002F	00000153		
(2000)	FFFFC5CC	FFFFB5FD	00002246	00006433	00000053	0000001C	00000001	0000001C	00000004	00000002		
(2040)	00000033	00000153	FFFFC99D	FFFFB6E1	00001F39	00006055	00000053	0000001C	00000001	0000001C		
(2080)	00000004	00000002	00000037	00000153	FFFFC9A9	FFFFB7DC	00001C8A	00005EB8	00000053	0000001C		
(2120)	00000001	0000001C	00000004	00000002	0000003B	00000153	FFFFC856	FFFFB894	00001A0B	00005E39		
(2160)	00000053	0000001C	00000001	0000001C	00000004	00000003	00000003	00000153	FFFFC4A8	FFFFB9D2		
(2200)	00001BE1	0000600B	00000053	0000001C	00000001	0000001C	00000004	00000003	00000007	00000153		
(2240)	FFFFC2E6	FFFFB861	00001C5A	00006252	00000053	0000001C	00000001	0000001C	00000004	00000003		

(2000)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2040)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2080)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2120)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2160)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2200)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2240)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2280)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2320)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2360)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2400)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2440)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2480)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2520)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2560)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2600)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2640)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2680)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2720)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2760)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2800)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981
(2840)	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981	FF676981

FILE	INPUT RECS.	DATA INPUT	RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
					PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
1	104	105	2880	2880	0	0	0	0	0	0

FILE	12 RECORD	1 LENGTH	2880 BYTES								
(0)	00000053	000000B2	00000006	0000001B	0000000F	00000000	00000003	000001B2	FFFFD00A	000022BF	
(40)	0000110F	00003DA2	00000053	000000B2	00000006	0000001B	0000000F	00000000	00000007	000001B2	
(80)	FFFFCFD7	000022B3	000010EA	00003DB9	00000053	000000B2	00000006	0000001B	0000000F	00000000	
(120)	0000000B	000001B2	FFFFCF7F	000022C3	0000105F	00003DE2	00000053	000000B2	00000006	0000001B	
(160)	0000000F	00000000	0000000F	000001B2	FFFFCF24	000022C4	00000FEF	00003E0C	00000053	000000B2	
(200)	00000006	0000001B	0000000F	00000000	00000013	000001B2	FFFFCEE6	000022AD	00000F9A	00003E1A	
(240)	00000053	000000B2	00000006	0000001B	0000000F	00000000	00000017	000001B2	FFFFCECE	0000226D	
(280)	00000FB9	00003E12	00000053	000000B2	00000006	0000001B	0000000F	00000000	0000001B	000001B2	
(320)	FFFFCE81	00002286	00000FB0	00003E5B	00000053	000000B2	00000006	0000001B	0000000F	00000000	
(360)	0000001F	000001B2	FFFFCDF2	000022EC	00001023	00003F21	00000053	000000B2	00000006	0000001B	
(400)	0000000F	00000000	00000023	000001B2	FFFFCD6C	0000239F	00001044	00003FF8	00000053	000000B2	
(440)	00000006	0000001B	0000000F	00000000	00000027	000001B2	FFFFCD34	00002405	00001033	00004058	
(480)	00000053	000000B2	00000006	0000001B	0000000F	00000000	0000002B	000001B2	FFFFCD4B	000023E6	
(520)	00000FAD	00004014	00000053	000000B2	00000006	0000001B	0000000F	00000000	0000002F	000001B2	
(560)	FFFFCD87	00002371	00000F55	00003F8D	00000053	000000B2	00000006	0000001B	0000000F	00000000	
(600)	00000033	000001B2	FFFFCD96	0000231D	00000F2C	00003F49	00000053	000000B2	00000006	0000001B	
(640)	0000000F	00000000	00000037	000001B2	FFFFCD55	000022F5	00000EF6	00003F5A	00000053	000000B2	
(680)	00000006	0000001B	0000000F	00000000	0000003B	000001B2	FFFFCD02	000022ED	00000EB9	00003F8A	
(720)	00000053	000000B2	00000006	0000001B	0000000F	00000001	00000003	000001B2	FFFFCCED	000022E0	
(760)	00000E96	00003F8B	00000053	000000B2	00000006	0000001B	0000000F	00000001	00000007	000001B2	
(800)	FFFFCD4A	0000231F	00000E65	00003F58	00000053	000000B2	00000006	0000001B	0000000F	00000001	
(840)	0000000B	000001B2	FFFFCDB9	00002399	00000DD3	00003F23	00000053	000000B2	00000006	0000001B	
(880)	0000000F	00000001	0000000F	000001B1	FFFFCE10	00002453	00000CFB	00003F1A	00000053	000000B2	
(920)	00000006	0000001B	0000000F	00000001	00000013	000001B1	FFFFCE27	000024FD	00000C5F	00003F4B	
(960)	00000053	000000B2	00000006	0000001B	0000000F	00000001	00000017	000001B1	FFFFCE00	0000255C	
(1000)	00000C41	00003F9C	00000053	000000B2	00000006	0000001B	0000000F	00000001	0000001B	000001B1	
(1040)	FFFFCDAF	00002557	00000C77	00003FE3	00000053	000000B2	00000006	0000001B	0000000F	00000001	
(1080)	0000001F	000001B1	FFFFCD68	00002549	00000C9B	00004019	00000053	000000B2	00000006	0000001B	
(1120)	0000000F	00000001	00000023	000001B1	FFFFCD39	0000254C	00000CB4	00004045	00000053	000000B2	
(1160)	00000006	0000001B	0000000F	00000001	00000027	000001B1	FFFFCD28	00002550	00000CBE	00004057	
(1200)	00000053	000000B2	00000006	0000001B	0000000F	00000001	0000002B	000001B1	FFFFCD67	00002556	
(1240)	00000D11	0000403A	00000053	000000B2	00000006	0000001B	0000000F	00000001	0000002F	000001B1	
(1280)	FFFFCD26	00002503	00000CD5	00004031	00000053	000000B2	00000006	0000001B	0000000F	00000001	
(1320)	00000033	000001B1	FFFFCCE1	00002495	00000C40	0000400C	00000053	000000B2	00000006	0000001B	
(1360)	0000000F	00000001	00000037	000001B1	FFFFCC7D	000023F8	00000B8B	00003FE1	00000053	000000B2	
(1400)	00000006	0000001B	0000000F	00000001	0000003B	000001B1	FFFFCC7F	00002370	00000B66	00003F8D	
(1440)	00000053	000000B2	00000006	0000001B	0000000F	00000002	00000003	000001B1	FFFFCCA1	000022FC	

ISEE 1 & 2

60-S B-FIELD + DIPOLE ORIENTATION

77-102A-04M SPMS-00253

77-102B-04J

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 1000 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
DR005278	DS005278	D047406	4	03/22/79 - 03/31/79

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 1 and 2

60 Seconds Magnetic Field and Dipole

77-102A-04M

77-102B-04J

This data set catalog consists of 1 tape(s). The tape(s) are 9 track, 1600 bpi, bin with 4 file(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47406	C-22149	3/22/79,3/31/79,4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 71 W2A-04M
71 W2B-04J

DATE DATA RECEIVED: 2/20/82

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: see 112

EXPERIMENT NAME: _____

DATA SET FULL NAME: 160 seconds magnetic field and Repble

CONTACT: _____ ACQUISITION SCIENTIST: WMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: NS

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

ACCESSION UNIT NUMBERS: NS 47400 C-20149

REMARKS:

1600, Bin, 9trk, 4 files
3/22/82
3/31/1979
4/1/82

DATA RECEIPT NOTIFICATION SENT?

WMS
DATA TECHNICIAN

I 104, 107

X-463

N-3742

Date 02/25/82

NSSDC ID 77-102A-04

77-102B-04

CDAW DATA SET ENTRY

Date Rcvd : 02/09/82 CDB: 06

Data Sent By : P. Russell

Material Rcvd : 1 mag. tape + dump

Satellite/NSRF Name: ISEE-1/-2

Data Set Name : 60s Magnetic Field and Dipole

New Data Set Additions Replacements

Comments for purposes of CDAW6, addition of Dipole Orient. X, Y, Z

Time Coverage : 79/03/22 - 79/04/01

Tapes To be Returned to: _____

Completed By: Ellen Teague

CN INFORMATION

To facilitate the loading of data into a WSP 2.0 data base, please supply the following information. Fill out one form for each data set to be loaded.

CN name, CE name, and library location CN0666 CE06 I104 and I204

Author of CN, CE routines Ted Johnson

Uniques routines called by this CN, should be cataloged with the CN _____

Experiment name Magnetic Field NSSDC ID 77-102A-04J
77-102B-04I

Scientist handling experiment C. Russell

Data set mnemonic I104, I204 Total # of items to be loaded _____

List of item #'s to be loaded Dipole Orien. X, Y and Z

Tape #	# of files	# of tracks	density	start/stop time
X-463 N-3742	4	9 tr	1600	81/0 90/0 91/0

Typical data point separation 60s.

Minimum data point separation _____ Total # of points _____

Any other information _____

See CON 32 and 64

DUMP OF TAPE LFOUT1

D-47406
3/22/79, 3/31/79, 4/1/79

INPUT TAPE LFOUT1 ON MT2
DATA INPUT H9 NF 4 FL 4 1 1

FILE	1	RECORD	1	LENGTH	4800BYTES						
(0)	0000004F	00000051	00000003	00000016	00000006	00000000	00004043	00002708	FFFFFF593	00004BE9	
(40)	FFFFBC3F	FFFFE4B6	0000070B	00002846	00000335	FFFFE3ED	FFFFFD87	FFFFFFF4B	0000014D	0000039C	
(80)	0000004F	00000051	00000003	00000016	00000006	00000001	00004184	00002892	FFFFFF771	00004D89	
(120)	FFFFBC49	FFFFE4B4	00000707	0000291E	00000572	FFFFE3EC	FFFFFD89	FFFFFFF4C	0000014C	0000039D	
(160)	0000004F	00000051	00000003	00000016	00000006	00000002	000040B0	0000274A	FFFFFF795	00004C27	
(200)	FFFFBC53	FFFFE4B3	00000703	000027DA	0000051E	FFFFE3EB	FFFFFD8B	FFFFFFF4C	0000014B	0000039D	
(240)	0000004F	00000051	00000003	00000016	00000006	00000003	00003DE3	00002417	FFFFFF81C	00004814	
(280)	FFFFBC5D	FFFFE4B1	00000700	000024AA	00000486	FFFFE3EA	FFFFFD8D	FFFFFFF4C	0000014A	0000039D	
(320)	0000004F	00000051	00000003	00000016	00000006	00000004	00003A77	00002307	FFFFF878	00004492	
(360)	FFFFBC67	FFFFE4B0	000006FC	0000238C	00000479	FFFFE3EA	FFFFFD8F	FFFFFFF4D	0000014A	0000039E	
(400)	0000004F	00000051	00000003	00000016	00000006	00000005	000039C3	000020DF	FFFFFF79B	000042FD	
(440)	FFFFBC71	FFFFE4AE	000006F8	000021CC	000002EC	FFFFE3E9	FFFFFD91	FFFFFFF4D	00000149	0000039E	
(480)	0000004F	00000051	00000003	00000016	00000006	00000006	00003B09	0000212E	FFFFFF7A8	0000443C	
(520)	FFFFBC7C	FFFFE4AC	000006F4	00002214	0000030B	FFFFE3E8	FFFFFD93	FFFFFFF4D	00000148	0000039E	
(560)	0000004F	00000051	00000003	00000016	00000006	00000007	00003C02	00001F41	FFFFFF818	0000441F	
(600)	FFFFBC86	FFFFE4AB	000006F0	0000201F	000002CB	FFFFE3E7	FFFFFD95	FFFFFFF4D	00000147	0000039F	
(640)	0000004F	00000051	00000003	00000016	00000006	00000008	00003A10	0000228F	FFFFFF770	0000441C	
(680)	FFFFBC90	FFFFE4A9	000006ED	00002375	0000033A	FFFFE3E7	FFFFFD97	FFFFFFF4E	00000147	0000039F	
(720)	0000004F	00000051	00000003	00000016	00000006	00000009	000038CE	00002021	FFFFFF80A	000041BF	
(760)	FFFFBC9B	FFFFE4A8	000006E9	000020F7	000002F9	FFFFE3E6	FFFFFD99	FFFFFFF4E	00000146	0000039F	
(800)	0000004F	00000051	00000003	00000016	00000006	0000000A	00003850	00001EF1	FFFFFF8CA	000040A8	
(840)	FFFFBCA5	FFFFE4A6	000006E5	00001F9A	00000344	FFFFE3E5	FFFFFD9B	FFFFFFF4E	00000145	000003A0	
(880)	0000004F	00000051	00000003	00000016	00000006	0000000B	00003887	00002146	FFFFFF7DF	00004219	
(920)	FFFFBCAF	FFFFE4A4	000006E1	0000221C	00000321	FFFFE3E4	FFFFFD9D	FFFFFFF4F	00000144	000003A0	
(960)	0000004F	00000051	00000003	00000016	00000006	0000000C	00003916	000024E4	FFFFFF491	000044ED	
(1000)	FFFFBCB9	FFFFE4A3	000006DE	0000269B	00000126	FFFFE3E3	FFFFFD9F	FFFFFFF4F	00000144	000003A0	
(1040)	0000004F	00000051	00000003	00000016	00000006	0000000D	0000358E	00002637	FFFFEE7C	00004416	
(1080)	FFFFBCC4	FFFFE4A1	000006DA	000029D4	FFFFFBCC	FFFFE3E3	FFFFFDA1	FFFFFFF4F	00000143	000003A1	
(1120)	0000004F	00000051	00000003	00000016	00000006	0000000E	00003B64	000022A5	FFFFEFA6	000046AE	
(1160)	FFFFBCCE	FFFFE4A0	000006D6	00002612	FFFFFB85	FFFFE3E2	FFFFFDA3	FFFFFFF50	00000142	000003A1	
(1200)	0000004F	00000051	00000003	00000016	00000006	0000000F	00004660	0000208C	FFFFFF4BD	00004E5A	
(1240)	FFFFBCD9	FFFFE49E	000006D2	00002271	FFFFFD2	FFFFE3E1	FFFFFDA5	FFFFFFF50	00000141	000003A1	
(1280)	0000004F	00000051	00000003	00000016	00000006	00000010	000047C8	000021FB	FFFFFF6A4	00004FF8	
(1320)	FFFFBCE3	FFFFE49D	000006CE	00002330	0000020D	FFFFE3E1	FFFFFDA7	FFFFFFF50	00000141	000003A2	
(1360)	0000004F	00000051	00000003	00000016	00000006	00000011	0000460F	00002399	FFFFFF7D7	00004F01	
(1400)	FFFFBCED	FFFFE49B	000006CB	00002456	000003AD	FFFFE3E0	FFFFFDA8	FFFFFFF51	00000140	000003A2	
(1440)	0000004F	00000051	00000003	00000016	00000006	00000012	00004A72	00001FF1	FFFFFFC21	0000511A	
(1480)	FFFFBCF8	FFFFE49A	000006C7	00001F81	0000068B	FFFFE3DF	FFFFDDAA	FFFFFFF51	0000013F	000003A2	
(1520)	0000004F	00000051	00000003	00000016	00000006	00000013	00004CA1	00001F3D	FFFFFF935	00005307	
(1560)	FFFFBD02	FFFFE498	000006C3	00001FC6	00000385	FFFFE3DE	FFFFDDAC	FFFFFFF51	0000013E	000003A3	
(1600)	0000004F	00000051	00000003	00000016	00000006	00000014	00004D15	00001F2A	FFFFFF766	00005396	
(1640)	FFFFBD0D	FFFFE497	000006BF	00002048	000001C1	FFFFE3DE	FFFFDDAE	FFFFFFF52	0000013E	000003A3	
(1680)	0000004F	00000051	00000003	00000016	00000006	00000015	0000487E	000017B9	FFFFFFA20	00004C81	
(1720)	FFFFBD17	FFFFE495	000006BC	0000185C	000001F4	FFFFE3DD	FFFFFDB0	FFFFFFF52	0000013D	000003A3	
(1760)	0000004F	00000051	00000003	00000016	00000006	00000016	000046E6	000017AC	FFFFFF9D1	00004800	
(1800)	FFFFBD22	FFFFE494	000006B8	00001869	000001A0	FFFFE3DC	FFFFFDB2	FFFFFFF52	0000013C	000003A4	
(1840)	0000004F	00000051	00000003	00000016	00000006	00000017	00004A67	00001AF9	FFFFFF9F0	00004F5F	
(1880)	FFFFBD2C	FFFFE492	000006B4	00001882	000002C3	FFFFE3DC	FFFFFDB4	FFFFFFF53	0000013C	000003A4	
(1920)	0000004F	00000051	00000003	00000016	00000006	00000018	0000513A	00001806	FFFFFBBC	000055B6	
(1960)	FFFFBD37	FFFFE491	000006B0	00001AFE	00000476	FFFFE3DB	FFFFFDB5	FFFFFFF53	0000013B	000003A4	
(2000)	0000004F	00000051	00000003	00000016	00000006	00000019	00004FEB	000019A2	FFFFFAE0	00005416	
(2040)	FFFFBD41	FFFFE48F	000006AC	000019F2	00000330	FFFFE3DA	FFFFFDB7	FFFFFFF53	0000013A	000003A4	
(2080)	0000004F	00000051	00000003	00000016	00000006	0000001A	00004F74	00001779	FFFFFD05	000052E7	
(2120)	FFFFBD4C	FFFFE48E	000006A9	0000173A	00000486	FFFFE3D9	FFFFFDB9	FFFFFFF54	00000139	000003A5	
(2160)	0000004F	00000051	00000003	00000016	00000006	0000001B	000050F5	0000191D	FFFFFC65	000054D7	
(2200)	FFFFBD56	FFFFE48C	000006A5	000018FB	0000046C	FFFFE3D9	FFFFFDBB	FFFFFFF54	00000139	000003A5	
(2240)	0000004F	00000051	00000003	00000016	00000006	0000001C	000050BA	00001A8A	FFFFFBFF	00005512	

77-102A-04M
77-102B-04J

(2760)	FFFFEB13	FFFFEA78	FFFFFC1C	FFFEA8B5	FFFFA082	FFFFEE5F	FFFFF30A	000000CC	000001AA	00000370
(2800)	0000004F	00000051	00000003	00000016	00000011	00000023	FFFDF6CA	FFFEA1C4	000044B5	000277B4
(2840)	FFFFEB30	FFFFEA83	FFFFFC19	FFFEA74E	FFFFA36F	FFFFEE6D	FFFFF308	000000CB	000001AB	00000370
(2880)	0000004F	00000051	00000003	00000016	00000011	00000024	FFFDF4FD	FFFEA1DE	0000479B	00027974
(2920)	FFFFEB4D	FFFFEA8D	FFFFFC16	FFFEA632	FFFFA5C6	FFFFEE7B	FFFFF306	000000CB	000001AC	0000036F
(2960)	0000004F	00000051	00000003	00000016	00000011	00000025	FFFDF489	FFFE9CEE	000049F0	00027CD6
(3000)	FFFFEB6A	FFFFEA98	FFFFFC12	FFFEA0D1	FFFFA560	FFFFEE89	FFFFF303	000000CB	000001AD	0000036F
(3040)	0000004F	00000051	00000003	00000016	00000011	00000026	FFFDE933	FFFE98AC	0000486C	0002885D
(3080)	FFFFEB87	FFFFEAA3	FFFFFCDF	FFFE9DC1	FFFFA1D1	FFFFEE97	FFFFF301	000000CB	000001AE	0000036F
(3120)	0000004F	00000051	00000003	00000016	00000011	00000027	FFFDE4E2	FFFE8A5A	00003CEB	000292C4
(3160)	FFFFEBA4	FFFFEAAE	FFFFFC0C	FFFE961B	FFFF90D7	FFFFEEA6	FFFFF2FF	000000CB	000001AE	0000036E
(3200)	0000004F	00000051	00000003	00000016	00000011	00000028	FFFDDC09	FFFE8B48	000037C2	0002990E
(3240)	FFFFEBC2	FFFFEA89	FFFFFC08	FFFE9954	FFFF8C51	FFFFEEB4	FFFFF2FD	000000CB	000001AF	0000036E
(3280)	0000004F	00000051	00000003	00000016	00000011	00000029	FFFDD80F	FFFE94DD	000034FF	00029451
(3320)	FFFFEBDF	FFFFEAC4	FFFFFC05	FFFEA33E	FFFF8DCA	FFFFEEC2	FFFFF2FB	000000CA	000001B0	0000036E
(3360)	0000004F	00000051	00000003	00000016	00000011	0000002A	FFFDE0EB	FFFEA413	00003B61	000287B3
(3400)	FFFFEBFC	FFFFEACF	FFFFFC02	FFFEAE1C	FFFF99FB	FFFFEED1	FFFFF2F9	000000CA	000001B1	0000036D
(3440)	0000004F	00000051	00000003	00000016	00000011	0000002B	FFFDE716	FFFE83A0	000042F6	00027B02
(3480)	FFFFEC1A	FFFFEADA	FFFFFBFF	FFFE88B9	FFFFA76A	FFFFEEDF	FFFFF2F8	000000CA	000001B1	0000036D
(3520)	0000004F	00000051	00000003	00000016	00000011	0000002C	FFFDEF35	FFFE8026	000047D9	0002768B
(3560)	FFFFEC37	FFFFEAE5	FFFFFBFB	FFFE8381	FFFFA9FD	FFFFEEDD	FFFFF2F6	000000CA	000001B2	0000036D
(3600)	0000004F	00000051	00000003	00000016	00000011	0000002D	FFFDF14B	FFFE81BC	0000521D	00027534
(3640)	FFFFEC55	FFFFEAF1	FFFFFBF8	FFFE8066	FFFFB389	FFFFEEFC	FFFFF2F4	000000C9	000001B3	0000036C
(3680)	0000004F	00000051	00000003	00000016	00000011	0000002E	FFFDF480	FFFEABF6	0000594C	00027699
(3720)	FFFFEC73	FFFFEAF0	FFFFFBF5	FFFEA814	FFFFB711	FFFFEF0B	FFFFF2F3	000000C9	000001B4	0000036C
(3760)	0000004F	00000051	00000003	00000016	00000011	0000002F	FFFDF7CA	FFFE9F1F	00005AF7	00027B27
(3800)	FFFFEC90	FFFFEB08	FFFFFBF2	FFFE9BED	FFFFB27A	FFFFEF19	FFFFF2F1	000000C9	000001B4	0000036C
(3840)	0000004F	00000051	00000003	00000016	00000011	00000030	FFFDFFF0	FFFE86E7	000054F0	00028195
(3880)	FFFFECAE	FFFFEB13	FFFFFBEE	FFFE8918	FFFFA1DF	FFFFEF28	FFFFF2F0	000000C9	000001B5	0000036B
(3920)	0000004F	00000051	00000003	00000016	00000011	00000031	FFFDFFC0	FFFE8349	00005D62	00028508
(3960)	FFFFECCC	FFFFE61F	FFFFFBEB	FFFE8222	FFFFA772	FFFFEF37	FFFFF2EE	000000C9	000001B6	0000036B
(4000)	0000004F	00000051	00000003	00000016	00000011	00000032	FFFDFC03	FFFE80A1	00005F14	0002892B
(4040)	FFFFECEA	FFFFEB2B	FFFFFBEB	FFFE7F13	FFFFA76D	FFFFEF45	FFFFF2ED	000000C8	000001B7	0000036B
(4080)	0000004F	00000051	00000003	00000016	00000011	00000033	FFFDF022	FFFE75B0	00005D70	00028F36
(4120)	FFFFED08	FFFFEB36	FFFFFBEB	FFFE7624	FFFFA0AB	FFFFEF54	FFFFF2EC	000000C8	000001B8	0000036A
(4160)	0000004F	00000051	00000003	00000016	00000011	00000034	FFFDF80D	FFFE7115	00006016	0002965B
(4200)	FFFFED26	FFFFEB42	FFFFFBEB	FFFE70EB	FFFFA098	FFFFEF63	FFFFF2EB	000000C8	000001B8	0000036A
(4240)	0000004F	00000051	00000003	00000016	00000011	00000035	FFFDF098	FFFE6DB2	00005D2F	00029DD8
(4280)	FFFFED44	FFFFEB4E	FFFFFBDF	FFFE6F4E	FFFF9C20	FFFFEF72	FFFFF2EA	000000C8	000001B9	0000036A
(4320)	0000004F	00000051	00000003	00000016	00000011	00000036	FFFDE9E4	FFFE690A	000060D4	0002A66E
(4360)	FFFFED63	FFFFEB5A	FFFFFBDB	FFFE6996	FFFF9CE7	FFFFEF81	FFFFF2E9	000000C7	000001BA	00000369
(4400)	0000004F	00000051	00000003	00000016	00000011	00000037	FFFDE1AF	FFFE639F	00005BCB	0002AF74
(4440)	FFFFED81	FFFFEB66	FFFFFBDB	FFFE6726	FFFF9599	FFFFEF90	FFFFF2E8	000000C7	000001BB	00000369
(4480)	0000004F	00000051	00000003	00000016	00000011	00000038	FFFDE0E0	FFFE60B0	000061E1	0002B2B0
(4520)	FFFFED9F	FFFFEB72	FFFFFBDB	FFFE61D9	FFFF9951	FFFFEF9F	FFFFF2E7	000000C7	000001BB	00000369
(4560)	0000004F	00000051	00000003	00000016	00000011	00000039	FFFDDDE4	FFFE5FAF	0000652B	0002B553
(4600)	FFFFEDBE	FFFFEB7F	FFFFFBDB	FFFE5F8A	FFFF9B6D	FFFFEFAF	FFFFF2E6	000000C7	000001BC	00000368
(4640)	0000004F	00000051	00000003	00000016	00000011	0000003A	FFFDDBAB	FFFE637A	000076F3	0002B86A
(4680)	FFFFEDDC	FFFFEB8B	FFFFFBDB	FFFE5AD9	FFFFAC9C	FFFFEFBE	FFFFF2E6	000000C6	000001BD	00000368
(4720)	0000004F	00000051	00000003	00000016	00000011	0000003B	FFFDD912	FFFE5AB3	000072B5	0002BEFA
(4760)	FFFFEDFB	FFFFEB97	FFFFFBCC	FFFE5512	FFFFA473	FFFFEFC0	FFFFF2E5	000000C6	000001BE	00000368

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO	B	SHORT	UNDEF.	#RECS. TOTAL#
1	12	13	4800	0	2	0	0	0	2 2

FILE	2 RECORD	1 LENGTH	4800BYTES							
(0)	0000004F	0000005A	00000003	0000001F	0000000C	00000000	FF676981	FF676981	FF676981	FF676981
(40)	FFFFACCA	FFFFF6C1	00000092	FF676981	FF676981	FFFFF45B	00000A64	00000085	000000D1	000003C8
(80)	0000004F	0000005A	00000003	0000001F	0000000C	00000001	FF676981	FF676981	FF676981	FF676981
(120)	FFFFACCA	FFFFF6BD	0000008F	FF676981	FF676981	FFFFF457	00000A5F	00000086	000000D2	000003C7
(160)	0000004F	0000005A	00000003	0000001F	0000000C	00000002	FF676981	FF676981	FF676981	FF676981
(200)	FFFFACCA	FFFFF6B9	0000008C	FF676981	FF676981	FFFFF453	00000A5B	00000087	000000D2	000003C7
(240)	0000004F	0000005A	00000003	0000001F	0000000C	00000003	FF676981	FF676981	FF676981	FF676981

(3000)	FFFFAD5C	FFFFFF629	00000C22	FFFFFF41D	00000832	FFFFFF3BD	000009AD	000000A3	000000DC	000003C1
(3040)	0000004F	0000005A	00000003	0000001F	0000000C	00000026	FFFFE4EC	FFFFFFB1C	00000D6B	00001E9D
(3080)	FFFFAD60	FFFFFF625	00000C1E	FFFFFF848	00000C03	FFFFFF3B9	000009A8	000000A3	000000DD	000003C0
(3120)	0000004F	0000005A	00000003	0000001F	0000000C	00000027	FFFFE603	FFFFFFFCD	00000DF2	00001D7F
(3160)	FFFFAD65	FFFFFF621	00000C1B	FFFFFFCBC	00000D8F	FFFFFF3B4	000009A3	000000A4	000000DD	000003C0
(3200)	0000004F	0000005A	00000003	0000001F	0000000C	00000028	FFFFE370	FFFFFFB36	00000C29	00001F6A
(3240)	FFFFAD69	FFFFFF61D	00000C18	FFFFFF8A5	00000ACE	FFFFFF380	0000099D	000000A5	000000DE	000003C0
(3280)	0000004F	0000005A	00000003	0000001F	0000000C	00000029	FFFFE023	FFFFFFA61	00000C8E	000022B5
(3320)	FFFFAD6D	FFFFFF619	00000C15	FFFFFF7BE	00000800	FFFFFF3AB	00000998	000000A6	000000DE	000003C0
(3360)	0000004F	0000005A	00000003	0000001F	0000000C	0000002A	FFFFDE26	FFFFFF714	00000F9A	00002654
(3400)	FFFFAD72	FFFFFF615	00000C12	FFFFFF3D8	00000D3D	FFFFFF3A7	00000993	000000A6	000000DE	000003C0
(3440)	0000004F	0000005A	00000003	0000001F	0000000C	0000002B	FFFFE793	FFFFFF3D8	00000CBF	00001E1D
(3480)	FFFFAD76	FFFFFF610	00000C0F	FFFFFF151	000009BA	FFFFFF3A3	0000098D	000000A7	000000DF	000003BF
(3520)	0000004F	0000005A	00000003	0000001F	0000000C	0000002C	FFFFFF99E	FFFFFFCC0	00000403	00000836
(3560)	FFFFAD7B	FFFFFF60C	00000C0C	FFFFFFBFO	00000330	FFFFFF39E	00000988	000000A8	000000DF	000003BF
(3600)	0000004F	0000005A	00000003	0000001F	0000000C	0000002D	00000F24	FFFFFF9AB	000001C0	00001082
(3640)	FFFFAD7F	FFFFFF608	00000C09	FFFFFF96F	0000004C	FFFFFF39A	00000983	000000A9	000000DF	000003BF
(3680)	0000004F	0000005A	00000003	0000001F	0000000C	0000002E	00000EE2	FFFFFFE22	000006DA	0000107E
(3720)	FFFFAD84	FFFFFF604	00000C06	FFFFFFCA6	00000643	FFFFFF396	0000097D	000000A9	000000E0	000003BF
(3760)	0000004F	0000005A	00000003	0000001F	0000000C	0000002F	00000FDF	FFFFFFD1D	000004C8	000010D4
(3800)	FFFFAD88	FFFFFF600	00000C03	FFFFFFC1E	00000404	FFFFFF391	00000978	000000AA	000000E0	000003BE
(3840)	0000004F	0000005A	00000003	0000001F	0000000C	00000030	00002790	FFFFFFDB6	00000529	000027F7
(3880)	FFFFAD8C	FFFFFF5FC	00000C00	FFFFFFC9D	00000484	FFFFFF38D	00000973	000000AB	000000E1	000003BE
(3920)	0000004F	0000005A	00000003	0000001F	0000000C	00000031	000034B7	FFFFFFC00	00000A81	000035E6
(3960)	FFFFAD91	FFFFFF5F8	00000BF0	FFFFFF9BE	00000956	FFFFFF388	0000096D	000000AC	000000E1	000003BE
(4000)	0000004F	0000005A	00000003	0000001F	0000000C	00000032	0000398A	FFFFFFC82	00000A95	00003A9C
(4040)	FFFFAD95	FFFFFF5F4	00000BF9	FFFFFFA37	00000986	FFFFFF384	00000968	000000AC	000000E1	000003BE
(4080)	0000004F	0000005A	00000003	0000001F	0000000C	00000033	00003854	FFFFFFE78	00000882	00003C74
(4120)	FFFFAD9A	FFFFFF5F0	00000BF6	FFFFFFBEC	00000ADE	FFFFFF380	00000962	000000AD	000000E2	000003BE
(4160)	0000004F	0000005A	00000003	0000001F	0000000C	00000034	0000408C	00000007	00000A90	00004168
(4200)	FFFFAD9E	FFFFFF5EC	00000BF3	FFFFFFDA5	00000A4C	FFFFFF37B	0000095D	000000AE	000000E2	000003BD
(4240)	0000004F	0000005A	00000003	0000001F	0000000C	00000035	00004229	FFFFFFF8B	00000C0B	00004340
(4280)	FFFFADA3	FFFFFF5E8	00000BF0	FFFFFFCD4	00000BA0	FFFFFF377	00000957	000000AF	000000E3	000003BD
(4320)	0000004F	0000005A	00000003	0000001F	0000000C	00000036	00004307	FFFFFFE65	00000A17	000043CD
(4360)	FFFFADA7	FFFFFF5E4	00000BED	FFFFFFC25	00000976	FFFFFF372	00000952	000000AF	000000E3	000003BD
(4400)	0000004F	0000005A	00000003	0000001F	0000000C	00000037	00004122	FFFFFFC29	000009B5	000041F7
(4440)	FFFFADAC	FFFFFF5E0	00000BEA	FFFFFFA0D	00000894	FFFFFF36E	0000094C	000000B0	000000E3	000003BD
(4480)	0000004F	0000005A	00000003	0000001F	0000000C	00000038	00004169	FFFFFFF9EC	00000A39	0000427B
(4520)	FFFFADB0	FFFFFF5DC	00000BE7	FFFFFF7C1	00000891	FFFFFF36A	00000947	000000B1	000000E4	000003BC
(4560)	0000004F	0000005A	00000003	0000001F	0000000C	00000039	000041F7	FFFFFFF79D	00000B1D	0000436C
(4600)	FFFFADB5	FFFFFF5D7	00000BE4	FFFFFF54C	000008E8	FFFFFF365	00000941	000000B2	000000E4	000003BC
(4640)	0000004F	0000005A	00000003	0000001F	0000000C	0000003A	00003F3A	FFFFFFF73F	00000A8A	000040B2
(4680)	FFFFADBA	FFFFFF5D3	00000BE1	FFFFFF511	00000842	FFFFFF361	0000093C	000000B2	000000E5	000003BC
(4720)	0000004F	0000005A	00000003	0000001F	0000000C	0000003B	00003C5A	FFFFFFF6A6	000009CC	00003DDB
(4760)	FFFFADBE	FFFFFF5CF	00000BD0	FFFFFF4A7	00000764	FFFFFF35C	00000936	000000B3	000000E5	000003BC

FILE	2	RECORD	18	LENGTH	4800BYTES					
(0)	0000004F	0000005B	00000004	00000001	00000005	00000000	FFFF7605	FFFFEAA5	00004B0C	00009E83
(40)	FFFFDAAE	FFFFECC96	FFFFFDB5	FFFFD00A	00003D8B	FFFFEEDD	FFFFFF696	FFFFFFF85	00000177	00000396
(80)	0000004F	0000005B	00000004	00000001	00000005	00000001	FFFF724B	FFFFE9DD	00004E86	0000A384
(120)	FFFFDAC6	FFFFECC97	FFFFFDB1	FFFFCE11	00004085	FFFFEEDD	FFFFFF697	FFFFFFF85	00000176	00000396
(160)	0000004F	0000005B	00000004	00000001	00000005	00000002	FFFF70D6	FFFFE7B5	00004EF1	0000A548
(200)	FFFFDADD	FFFFECC99	FFFFFDAD	FFFFC8F8	00004026	FFFFEEDD	FFFFFF698	FFFFFFF85	00000175	00000396
(240)	0000004F	0000005B	00000004	00000001	00000005	00000003	FFFF70C2	FFFFE717	00004FE2	0000A5E5
(280)	FFFFDAF4	FFFFECC9A	FFFFFDA9	FFFFC81B	000040D6	FFFFEEEE	FFFFFF699	FFFFFFF85	00000175	00000397
(320)	0000004F	0000005B	00000004	00000001	00000005	00000004	FFFF6F21	FFFFE5D8	000050A4	0000A7DB
(360)	FFFFDB0C	FFFFECC9C	FFFFFDA5	FFFFC9B9	00004120	FFFFEEEE	FFFFFF69A	FFFFFFF85	00000174	00000397
(400)	0000004F	0000005B	00000004	00000001	00000005	00000005	FFFF6DA7	FFFFE213	0000523C	0000AA84
(440)	FFFFDB23	FFFFECC9D	FFFFFDA1	FFFFC5B1	00004140	FFFFEEEE	FFFFFF69A	FFFFFFF85	00000173	00000397
(480)	0000004F	0000005B	00000004	00000001	00000005	00000006	FFFF6C3D	FFFFDF76	0000536F	0000ACC8
(520)	FFFFDB3B	FFFFECC9F	FFFFFD9D	FFFFC2E1	00004173	FFFFEEEE	FFFF69B	FFFFFFF85	00000172	00000398
(560)	0000004F	0000005B	00000004	00000001	00000005	00000007	FFFF6BC4	FFFFDE11	0000548D	0000ADFE
(600)	FFFFDB52	FFFFECCA1	FFFFFD99	FFFFC13A	00004207	FFFFEEEE	FFFF69C	FFFFFFF85	00000171	00000398
(640)	0000004F	0000005B	00000004	00000001	00000005	00000008	FFFF6A57	FFFFDD72	000054D8	0000AF79

(3400)	FFFFDEA6	FFFFE0E8	FFFFFD10	FFFFB986	00004717	FFFFEF0D	FFFFF6BC	FFFFFFF8B	00000156	000003A3
(3440)	0000004F	0000005B	00000004	00000001	00000005	0000002B	FFFF4CF2	FFFFD41C	00005B1C	0000CDA4
(3480)	FFFFDEBF	FFFFE0EB	FFFFFD0D	FFFFB7C3	000046C6	FFFFEF0E	FFFFF6BD	FFFFFFF8B	00000155	000003A4
(3520)	0000004F	0000005B	00000004	00000001	00000005	0000002C	FFFF4BCA	FFFFD299	00005BF5	0000CF59
(3560)	FFFFDED8	FFFFE0ED	FFFFFD09	FFFFB61D	0000471E	FFFFEF10	FFFFF6BE	FFFFFFF8C	00000154	000003A4
(3600)	0000004F	0000005B	00000004	00000001	00000005	0000002D	FFFF4AC6	FFFFD010	00005CF4	0000D13D
(3640)	FFFFDEF1	FFFFE0F0	FFFFFD05	FFFFB374	00004744	FFFFEF12	FFFFF6BF	FFFFFFF8C	00000154	000003A4
(3680)	0000004F	0000005B	00000004	00000001	00000005	0000002E	FFFF49D9	FFFFCD3D	00005DE2	0000D31E
(3720)	FFFFDF0B	FFFFE0F2	FFFFFD01	FFFFB08A	00004740	FFFFEF13	FFFFF6C0	FFFFFFF8C	00000153	000003A5
(3760)	0000004F	0000005B	00000004	00000001	00000005	0000002F	FFFF4889	FFFFCC07	00005E6B	0000D49A
(3800)	FFFFDF24	FFFFE0F5	FFFFFCFD	FFFFAFFD	000047AB	FFFFEF15	FFFFF6C1	FFFFFFF8C	00000152	000003A5
(3840)	0000004F	0000005B	00000004	00000001	00000005	00000030	FFFF4718	FFFFCD04	00005EFB	0000D609
(3880)	FFFFDF3E	FFFFE0F8	FFFFFCF9	FFFFB016	00004859	FFFFEF17	FFFFF6C2	FFFFFFF8C	00000151	000003A5
(3920)	0000004F	0000005B	00000004	00000001	00000005	00000031	FFFF45CA	FFFFCC19	00005F28	0000D776
(3960)	FFFFDF57	FFFFE0FA	FFFFFCF6	FFFFAF39	00004846	FFFFEF18	FFFFF6C3	FFFFFFF8D	00000151	000003A5
(4000)	0000004F	0000005B	00000004	00000001	00000005	00000032	FFFF44C7	FFFFCCC4	00005F2A	0000D82E
(4040)	FFFFDF71	FFFFE0FD	FFFFFCF2	FFFFAFEA	00004893	FFFFEF1A	FFFFF6C4	FFFFFFF8D	00000150	000003A6
(4080)	0000004F	0000005B	00000004	00000001	00000005	00000033	FFFF42D2	FFFFCD8C	00005F90	0000D9DE
(4120)	FFFFDF8A	FFFFE000	FFFFFCEE	FFFFB094	00004948	FFFFEF1C	FFFFF6C5	FFFFFFF8D	0000014F	000003A6
(4160)	0000004F	0000005B	00000004	00000001	00000005	00000034	FFFF415B	FFFFCD8D	00005FD0	0000DB40
(4200)	FFFFDFA4	FFFFE002	FFFFFCEA	FFFFB090	00004996	FFFFEF1E	FFFFF6C6	FFFFFFF8D	0000014E	000003A6
(4240)	0000004F	0000005B	00000004	00000001	00000005	00000035	FFFF4035	FFFFCD55	00005FF6	0000DC5D
(4280)	FFFFDFBD	FFFFE005	FFFFFCE6	FFFFB05F	000049B9	FFFFEF20	FFFFF6C8	FFFFFFF8E	0000014D	000003A7
(4320)	0000004F	0000005B	00000004	00000001	00000005	00000036	FFFF402D	FFFFCDE4	00006020	0000DC56
(4360)	FFFFDFD7	FFFFE008	FFFFFCE3	FFFFB0E8	00004A21	FFFFEF22	FFFFF6C9	FFFFFFF8E	0000014D	000003A7
(4400)	0000004F	0000005B	00000004	00000001	00000005	00000037	FFFF4054	FFFFCE5D	00006062	0000DC35
(4440)	FFFFDFE1	FFFFE00B	FFFFFCDF	FFFFB155	00004A98	FFFFEF24	FFFFF6CA	FFFFFFF8E	0000014C	000003A7
(4480)	0000004F	0000005B	00000004	00000001	00000005	00000038	FFFF3FB0	FFFFCCCF	000060E0	0000DD4B
(4520)	FFFFE00B	FFFFE00E	FFFFFCDB	FFFFAF33	00004A9D	FFFFEF26	FFFFF6CB	FFFFFFF8F	0000014B	000003A8
(4560)	0000004F	0000005B	00000004	00000001	00000005	00000039	FFFF3F08	FFFFCCB6	0000608A	0000DDC9
(4600)	FFFFE025	FFFFE011	FFFFFCD7	FFFFAFD8	00004A56	FFFFEF28	FFFFF6CC	FFFFFFF8F	0000014A	000003A8
(4640)	0000004F	0000005B	00000004	00000001	00000005	0000003A	FFFF3E2D	FFFFCC57	000060AB	0000DEAB
(4680)	FFFFE03F	FFFFE014	FFFFFCD3	FFFFAF84	00004A67	FFFFEF2A	FFFFF6CD	FFFFFFF8F	0000014A	000003A8
(4720)	0000004F	0000005B	00000004	00000001	00000005	0000003B	FFFF3D47	FFFFCA5C	000061A6	0000E058
(4760)	FFFFE059	FFFFE017	FFFFFCD0	FFFFAD63	00004AC0	FFFFEF2C	FFFFF6CE	FFFFFFF8F	00000149	000003A9

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ PERM	ERROR ZERO	SUMMARY B SHORT	UNDEF.	INPUT #RECS.	RETRIES TOTAL#
2	18	19		4800	0	0	0	0	0	0

FILE	3 RECORD	1 LENGTH	4800BYTES
(0)	0000004F	00000051	00000003
(40)	FFFFC00A	FFFFE442	000005C7
(80)	0000004F	00000051	00000003
(120)	FFFFC016	FFFFE440	000005C3
(160)	0000004F	00000051	00000003
(200)	FFFFC021	FFFFE43F	000005BF
(240)	0000004F	00000051	00000003
(280)	FFFFC02D	FFFFE43E	000005BB
(320)	0000004F	00000051	00000003
(360)	FFFFC038	FFFFE43D	000005B7
(400)	0000004F	00000051	00000003
(440)	FFFFC044	FFFFE43C	000005B3
(480)	0000004F	00000051	00000003
(520)	FFFFC04F	FFFFE43B	000005AF
(560)	0000004F	00000051	00000003
(600)	FFFFC05B	FFFFE43A	000005AB
(640)	0000004F	00000051	00000003
(680)	FFFFC067	FFFFE439	000005A7
(720)	0000004F	00000051	00000003
(760)	FFFFC072	FFFFE438	000005A4
(800)	0000004F	00000051	00000003
(840)	FFFFC07E	FFFFE437	000005A0
(880)	0000004F	00000051	00000003

(3640)	FFFFC220	FFFFE418	00000515	FFFFFDB4	00000132	FFFFE3D9	FFFFFC82	FFFFF5B	0000012C	000003AB
(3680)	0000004F	00000051	00000003	00000016	00000006	0000002E	FFFFEE8A	FFFFF5A2	FFFFFD08	00001486
(3720)	FFFFC220	FFFFE417	00000511	FFFFF6FE	FFFFFA13	FFFFE3D9	FFFFFC84	FFFFF5C	0000012B	000003AB
(3760)	0000004F	00000051	00000003	00000016	00000006	0000002F	FFFFE72D	FFFFF1FB	00000401	00001CCB
(3800)	FFFFC239	FFFFE416	0000050D	FFFFF16C	FFFFFA7	FFFFE3D9	FFFFFC85	FFFFF5C	0000012B	000003AB
(3840)	0000004F	00000051	00000003	00000016	00000006	00000030	FFFFE1A7	FFFFF60C	00000292	0000200A
(3880)	FFFFC245	FFFFE415	00000509	FFFFF588	FFFFF81	FFFFE3D9	FFFFFC87	FFFFF5D	0000012A	000003AB
(3920)	0000004F	00000051	00000003	00000016	00000006	00000031	FFFFD670	FFFFF3A4	000001CF	00002B66
(3960)	FFFFC251	FFFFE415	00000505	FFFFF3A9	FFFFFE12	FFFFE3D8	FFFFFC88	FFFFF5D	00000129	000003AC
(4000)	0000004F	00000051	00000003	00000016	00000006	00000032	FFFFE296	FFFFF5A4	000000EF	00001F33
(4040)	FFFFC25E	FFFFE414	00000501	FFFFF5D4	FFFFFDD5	FFFFE3D8	FFFFFC8A	FFFFF5E	00000129	000003AC
(4080)	0000004F	00000051	00000003	00000016	00000006	00000033	FFFFE9EB	FFFFFA33	00000030	000016D5
(4120)	FFFFC26A	FFFFE413	000004FD	FFFFFA67	FFFFFE7A	FFFFE3D8	FFFFFC8B	FFFFF5E	00000128	000003AC
(4160)	0000004F	00000051	00000003	00000016	00000006	00000034	FFFFE53C	FFFFF58C	000002A3	00001CDB
(4200)	FFFFC276	FFFFE412	000004FA	FFFFF53C	FFFFF74	FFFFE3D8	FFFFFC8D	FFFFF5F	00000127	000003AD
(4240)	0000004F	00000051	00000003	00000016	00000006	00000035	FFFFD916	FFFFF15E	000007E3	00002A51
(4280)	FFFFC283	FFFFE412	000004F6	FFFFEFB2	0000033F	FFFFE3D8	FFFFFC8E	FFFFF5F	00000126	000003AD
(4320)	0000004F	00000051	00000003	00000016	00000006	00000036	FFFFDEBD	000000BE	FFFFFD3F	00002163
(4360)	FFFFC28F	FFFFE411	000004F2	00000184	FFFFFD96	FFFFE3D7	FFFFFC90	FFFFF5F	00000126	000003AD
(4400)	0000004F	00000051	00000003	00000016	00000006	00000037	FFFFF942	0000099B	FFFFFCC9	00000C2B
(4440)	FFFFC29B	FFFFE410	000004EE	00000A20	FFFFFBA	FFFFE3D7	FFFFFC91	FFFFF60	00000125	000003AD
(4480)	0000004F	00000051	00000003	00000016	00000006	00000038	00000AD9	000017C9	FFFFF3B6	00001CE3
(4520)	FFFFC2A8	FFFFE410	000004EA	00001A55	FFFFFB2B	FFFFE3D7	FFFFFC92	FFFFF60	00000124	000003AE
(4560)	0000004F	00000051	00000003	00000016	00000006	00000039	00001888	000021CD	FFFFEA0E	00002F2E
(4600)	FFFFC2B4	FFFFE40F	000004E6	000026B7	FFFFF4D0	FFFFE3D7	FFFFFC94	FFFFF61	00000124	000003AE
(4640)	0000004F	00000051	00000003	00000016	00000006	0000003A	FF676981	FF676981	FF676981	FF676981
(4680)	FFFFC2C1	FFFFE40E	000004E2	FF676981	FF676981	FFFFE3D7	FFFFFC95	FFFFF61	00000123	000003AE
(4720)	0000004F	00000051	00000003	00000016	00000006	0000003B	FF676981	FF676981	FF676981	FF676981
(4760)	FFFFC2CD	FFFFE40E	000004DE	FF676981	FF676981	FFFFE3D7	FFFFFC97	FFFFF62	00000122	000003AF

FILE	3	RECORD	12	LENGTH	4800BYTES					
(0)	0000004F	00000051	00000003	00000016	00000011	00000000	FFFD3122	FFFD3263	00007EB6	0003FF9F
(40)	FFFFF1C7	FFFFED3C	FFFFFB7A	FFFD3DE5	FFFF48E3	FFFFF0C3	FFFFF426	000000CF	00000190	0000037C
(80)	0000004F	00000051	00000003	00000016	00000011	00000001	FFFD2589	FFFD2AAD	000085F6	00040DF4
(120)	FFFFF1E8	FFFFED48	FFFFFB78	FFFD340B	FFFF4EAA	FFFFF0D5	FFFFF427	000000CF	00000191	0000037B
(160)	0000004F	00000051	00000003	00000016	00000011	00000002	FFFD1A85	FFFD1FA6	00008749	00041DB7
(200)	FFFFF209	FFFFED58	FFFFFB75	FFFD299E	FFFF4AA8	FFFFF0E7	FFFFF427	000000CF	00000191	0000037B
(240)	0000004F	00000051	00000003	00000016	00000011	00000003	FFFD0976	FFFD1B46	00007CD0	00042B8A
(280)	FFFFF22A	FFFFED6B	FFFFFB73	FFFD2A24	FFFF3EA7	FFFFF0F9	FFFFF428	000000CF	00000192	0000037B
(320)	0000004F	00000051	00000003	00000016	00000011	00000004	FFFCFB31	FFFD170F	0000786D	00043821
(360)	FFFFF24C	FFFFED7A	FFFFFB71	FFFD284E	FFFF3841	FFFFF10B	FFFFF429	000000CF	00000193	0000037A
(400)	0000004F	00000051	00000003	00000016	00000011	00000005	FFFD46C5	FFFD59DF	000063E9	0003D1BD
(440)	FFFFF26D	FFFFED8A	FFFFFB6F	FFFD6DC7	FFFF408B	FFFFF11D	FFFFF42A	000000CF	00000194	0000037A
(480)	0000004F	00000051	00000003	00000016	00000011	00000006	FFFFEF22	FFFFEE7A	FFFF7B7D	000086BA
(520)	FFFFF28F	FFFFED9A	FFFFFB6C	0000274F	FFFF803E	FFFFF130	FFFFF42C	000000CF	00000194	0000037A
(560)	0000004F	00000051	00000003	00000016	00000011	00000007	FFFD0732	FFFCDD6B	000080EF	000464F5
(600)	FFFFF2B0	FFFFEDAB	FFFFFB6A	FFFCCE263	FFFF1F3E	FFFFF142	FFFFF42D	000000CF	00000195	00000379
(640)	0000004F	00000051	00000003	00000016	00000011	00000008	FFFD0027	FFFC331	00007AA6	00047078
(680)	FFFFF2D2	FFFFEDBB	FFFFFB68	FFFCDBEF	FFFF1487	FFFFF155	FFFFF42E	000000CF	00000196	00000379
(720)	0000004F	00000051	00000003	00000016	00000011	00000009	FFFCF2E3	FFFCB8BC	00007AA2	0004810F
(760)	FFFFF2F4	FFFFEDCB	FFFFFB66	FFFCDD2AA	FFFF0F66	FFFFF167	FFFFF430	000000CF	00000197	00000379
(800)	0000004F	00000051	00000003	00000016	00000011	0000000A	FFFCCE8C5	FFFCAC28	00007BB2	0004912F
(840)	FFFFF316	FFFFEDDC	FFFFFB64	FFFC705	FFFF0A57	FFFFF17A	FFFFF431	000000CF	00000198	00000378
(880)	0000004F	00000051	00000003	00000016	00000011	0000000B	FFFCCE4F2	FFFC18D	00007D9A	000498B5
(920)	FFFFF338	FFFFEDEC	FFFFFB62	FFFCBCD2	FFFF06DB	FFFFF18D	FFFFF433	000000CF	00000198	00000378
(960)	0000004F	00000051	00000003	00000016	00000011	0000000C	FF676981	FF676981	FF676981	FF676981
(1000)	FFFFF35A	FFFFEDFD	FFFFFB60	FF676981	FF676981	FFFFF19F	FFFFF435	000000CF	00000199	00000378
(1040)	0000004F	00000051	00000003	00000016	00000011	0000000D	FF676981	FF676981	FF676981	FF676981
(1080)	FFFFF37C	FFFFE0E	FFFFFB5E	FF676981	FF676981	FFFFF1B2	FFFFF437	000000CE	0000019A	00000377
(1120)	0000004F	00000051	00000003	00000016	00000011	0000000E	FF676981	FF676981	FF676981	FF676981
(1160)	FFFFF39F	FFFFEE1F	FFFFFB5C	FF676981	FF676981	FFFFF1C5	FFFFF439	000000CE	0000019B	00000377
(1200)	0000004F	00000051	00000003	00000016	00000011	0000000F	FF676981	FF676981	FF676981	FF676981
(1240)	FFFFF3C1	FFFFEE30	FFFFFB5A	FF676981	FF676981	FFFFF1D8	FFFFF43B	000000CE	0000019C	00000376
(1280)	0000004F	00000051	00000003	00000016	00000011	00000010	FF676981	FF676981	FF676981	FF676981

(4040)	FFFFF8B7	FFFFF0F3	FFFFFB33	FF676981	FF676981	FFFFF4BF	FFFFF4E9	000000C8	000001B7	0000036B
(4080)	0000004F	00000051	00000003	00000016	00000011	00000033	FF676981	FF676981	FF676981	FF676981
(4120)	FFFFF8D0	FFFFF10B	FFFFFB33	FF676981	FF676981	FFFFF4D7	FFFFF4F2	000000C8	000001B8	0000036A
(4160)	0000004F	00000051	00000003	00000016	00000011	00000034	FF676981	FF676981	FF676981	FF676981
(4200)	FFFFF903	FFFFF123	FFFFFB33	FF676981	FF676981	FFFFF4EF	FFFFF4FA	000000C8	000001B8	0000036A
(4240)	0000004F	00000051	00000003	00000016	00000011	00000035	FF676981	FF676981	FF676981	FF676981
(4280)	FFFFF92A	FFFFF13B	FFFFFB33	FF676981	FF676981	FFFFF507	FFFFF503	000000C8	000001B9	0000036A
(4320)	0000004F	00000051	00000003	00000016	00000011	00000036	FF676981	FF676981	FF676981	FF676981
(4360)	FFFFF950	FFFFF154	FFFFFB34	FF676981	FF676981	FFFFF51F	FFFFF50C	000000C7	000001BA	00000369
(4400)	0000004F	00000051	00000003	00000016	00000011	00000037	FF676981	FF676981	FF676981	FF676981
(4440)	FFFFF977	FFFFF16C	FFFFFB34	FF676981	FF676981	FFFFF538	FFFFF515	000000C7	000001BB	00000369
(4480)	0000004F	00000051	00000003	00000016	00000011	00000038	FF676981	FF676981	FF676981	FF676981
(4520)	FFFFF99E	FFFFF185	FFFFFB34	FF676981	FF676981	FFFFF550	FFFFF51E	000000C7	000001BB	00000369
(4560)	0000004F	00000051	00000003	00000016	00000011	00000039	FF676981	FF676981	FF676981	FF676981
(4600)	FFFFF9C5	FFFFF19F	FFFFFB35	FF676981	FF676981	FFFFF569	FFFFF528	000000C7	000001BC	00000368
(4640)	0000004F	00000051	00000003	00000016	00000011	0000003A	FF676981	FF676981	FF676981	FF676981
(4680)	FFFFF9EC	FFFFF1B8	FFFFFB35	FF676981	FF676981	FFFFF582	FFFFF532	000000C6	000001BD	00000368
(4720)	0000004F	00000051	00000003	00000016	00000011	0000003B	FF676981	FF676981	FF676981	FF676981
(4760)	FFFFFA13	FFFFF1D2	FFFFFB36	FF676981	FF676981	FFFFF59B	FFFFF53C	000000C6	000001BE	00000368

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
					PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
3	12	13	4800	0	1	0	0	0	1	1

FILE	4	RECORD	1	LENGTH	4800BYTES						
(0)	0000004E	0000005A	00000003	0000001F	0000000C	00000000	00000B25	FFFFEA75	00000ABA	00001A86	
(40)	FFFFAE59	FFFFF558	00000B95	FFFFE8B5	0000060C	FFFFF331	00000922	00000085	000000D1	000003C8	
(80)	0000004F	0000005A	00000003	0000001F	0000000C	00000001	0000089E	FFFFF5DB	000006F2	00000F04	
(120)	FFFFAE5E	FFFFF557	00000B92	FFFFF4A3	000004B3	FFFFF32D	0000091E	00000086	000000D2	000003C7	
(160)	0000004F	0000005A	00000003	0000001F	0000000C	00000002	00000876	FFFFFAC1	0000061D	00000BAF	
(200)	FFFFAE63	FFFFF553	00000B8F	FFFFF999	000004E5	FFFFF329	00000919	00000087	000000D2	000003C7	
(240)	0000004F	0000005A	00000003	0000001F	0000000C	00000003	000012A6	FFFFFEC2	000005BD	0000138E	
(280)	FFFFAE67	FFFFF54F	00000B8C	FFFFFD98	0000055B	FFFFF325	00000914	00000088	000000D2	000003C7	
(320)	0000004F	0000005A	00000003	0000001F	0000000C	00000004	00001A89	FFFFF908	000007D5	00001C88	
(360)	FFFFAE6C	FFFFF54B	00000B89	FFFFF78F	00000637	FFFFF321	0000090F	00000089	000000D2	000003C7	
(400)	0000004F	0000005A	00000003	0000001F	0000000C	00000005	00000EF6	FFFFF5B3	000007D5	000013C8	
(440)	FFFFAE71	FFFFF547	00000B85	FFFFF44C	00000585	FFFFF31D	0000090A	00000089	000000D3	000003C7	
(480)	0000004F	0000005A	00000003	0000001F	0000000C	00000006	00000742	FFFFEB3F	00000D75	000019C7	
(520)	FFFFAE76	FFFFF543	00000B82	FFFFE8E6	000008D7	FFFFF319	00000905	0000008A	000000D3	000003C7	
(560)	0000004F	0000005A	00000003	0000001F	0000000C	00000007	000005E4	FFFFE478	00000CAF	00001EE1	
(600)	FFFFAE7C	FFFFF53F	00000B7F	FFFFE26E	000006A9	FFFFF315	00000900	0000008B	000000D3	000003C6	
(640)	0000004F	0000005A	00000003	0000001F	0000000C	00000008	00000AA1	FFFFE6A0	00000BDB	00001DF5	
(680)	FFFFAE81	FFFFF53B	00000B7C	FFFFE4B6	0000064B	FFFFF311	000008FB	0000008C	000000D3	000003C6	
(720)	0000004F	0000005A	00000003	0000001F	0000000C	00000009	0000180A	FFFFEC35	00000715	00001FF0	
(760)	FFFFAE86	FFFFF537	00000B79	FFFFEB29	000002C9	FFFFF30D	000008F6	0000008D	000000D4	000003C6	
(800)	0000004F	0000005A	00000003	0000001F	0000000C	0000000A	00001D69	FFFFF5E1	000003F3	00001F5B	
(840)	FFFFAE8B	FFFFF533	00000B75	FFFFF546	000001BD	FFFFF309	000008F1	0000008D	000000D4	000003C6	
(880)	0000004F	0000005A	00000003	0000001F	0000000C	0000000B	000020C5	FFFFF720	0000042B	00002234	
(920)	FFFFAE90	FFFFF52F	00000B72	FFFFF673	00000237	FFFFF305	000008EC	0000008E	000000D4	000003C6	
(960)	0000004F	0000005A	00000003	0000001F	0000000C	0000000C	00001F2C	FFFFF7ED	000004E4	00002092	
(1000)	FFFFAE95	FFFFF52B	00000B6F	FFFFF714	00000316	FFFFF301	000008E7	0000008F	000000D5	000003C6	
(1040)	0000004F	0000005A	00000003	0000001F	0000000C	0000000D	00001A00	FFFFF8AA	00000504	00001B7A	
(1080)	FFFFAE9A	FFFFF527	00000B6C	FFFFF7C6	0000035C	FFFFF2FD	000008E2	00000090	000000D5	000003C5	
(1120)	0000004F	0000005A	00000003	0000001F	0000000C	0000000E	00001263	FFFFFB77	00000538	00001397	
(1160)	FFFFAE9F	FFFFF523	00000B69	FFFFFAB6	00000433	FFFFF2F9	000008DC	00000091	000000D5	000003C5	
(1200)	0000004F	0000005A	00000003	0000001F	0000000C	0000000F	00000AC6	FFFFF2FF	0000030E	00001129	
(1240)	FFFFAEA4	FFFFF51F	00000B65	FFFFF2A5	0000003D	FFFFF2F5	000008D7	00000091	000000D5	000003C5	
(1280)	0000004F	0000005A	00000003	0000001F	0000000C	00000010	00000DBE	FFFFEE81	00000695	00001734	
(1320)	FFFFAEA9	FFFFF51B	00000B62	FFFFED82	000002BC	FFFFF2F1	000008D2	00000092	000000D6	000003C5	
(1360)	0000004F	0000005A	00000003	0000001F	0000000C	00000011	00000585	FFFFEB2E	0000083F	00001714	
(1400)	FFFFAEA E	FFFFF517	00000B5F	FFFFE9E4	000003A5	FFFFF2ED	000008CD	00000093	000000D6	000003C5	
(1440)	0000004F	0000005A	00000003	0000001F	0000000C	00000012	00000651	FFFFEA6F	0000028D	0000169E	
(1480)	FFFFAEB4	FFFFF513	00000B5C	FFFFEA62	FFFFFD E C	FFFFF2E9	000008C8	00000094	000000D6	000003C4	
(1520)	0000004F	0000005A	00000003	0000001F	0000000C	00000013	00000AA0	FFFFEA4C	00000662	000018FE	

(4280)	FFFFAF70	FFFFF488	00000AEA	FFFFF3F5	00000F27	FFFFF25B	00000809	000000AF	000000E3	000003BD
(4320)	0000004F	0000005A	00000003	0000001F	0000000C	00000036	0000352E	FFFFFD74	00000BC2	00003686
(4360)	FFFFAF75	FFFFF484	00000AE7	FFFFFADA	00000ADF	FFFFF257	00000803	000000AF	000000E3	000003BD
(4400)	0000004F	0000005A	00000003	0000001F	0000000C	00000037	000037E3	FFFFFCBD	00000B9A	0000392C
(4440)	FFFFAF78	FFFFF480	00000AE4	FFFFFA2F	00000A8E	FFFFF253	000007FD	000000B0	000000E3	000003BD
(4480)	0000004F	0000005A	00000003	0000001F	0000000C	00000038	00003754	FFFFF8AF	00000B66	000038F6
(4520)	FFFFAF81	FFFFF47C	00000AE1	FFFFF648	0000096E	FFFFF24F	000007F8	000000B1	000000E4	000003BC
(4560)	0000004F	0000005A	00000003	0000001F	0000000C	00000039	000033B0	FFFFF842	00000B4A	00003578
(4600)	FFFFAF86	FFFFF478	00000ADD	FFFFF5E2	00000939	FFFFF24B	000007F2	000000B2	000000E4	000003BC
(4640)	0000004F	0000005A	00000003	0000001F	0000000C	0000003A	000024AD	FFFFFA3C	0000068A	000025B3
(4680)	FFFFAF8C	FFFFF474	00000ADA	FFFFF8E4	0000050B	FFFFF247	000007EC	000000B2	000000E5	000003BC
(4720)	0000004F	0000005A	00000003	0000001F	0000000C	0000003B	00001A53	FFFFFE5C	00000594	00001AF6
(4760)	FFFFAF91	FFFFF470	00000AD7	FFFFFD1F	0000050D	FFFFF243	000007E6	000000B3	000000E5	000003BC

FILE	4	RECORD	18	LENGTH	4800	BYTES				
(0)	0000004F	0000005B	00000004	00000001	00000005	00000000	FFFF1E04	FFFFB8F1	00006803	00010203
(40)	FFFFE39E	FFFFED83	FFFFFC62	FFFF9719	0000458C	FFFFF039	FFFFF5B5	FFFFF85	00000177	00000396
(80)	0000004F	0000005B	00000004	00000001	00000005	00000001	FFFF30B5	FFFFCA57	000079BC	0000F650
(120)	FFFFE38A	FFFFED88	FFFFFC5E	FFFFA0A8	00005CC8	FFFFF03C	FFFFF5B7	FFFFF85	00000176	00000396
(160)	0000004F	0000005B	00000004	00000001	00000005	00000002	FFFF0BF4	FFFFB534	00007288	000117C5
(200)	FFFFE3D6	FFFFED8C	FFFFFC5A	FFFF8FD3	00004E4A	FFFFF03F	FFFFF5B9	FFFFF85	00000175	00000396
(240)	0000004F	0000005B	00000004	00000001	00000005	00000003	FFFF0B89	FFFFC21F	00007A29	00011835
(280)	FFFFE3F2	FFFFED90	FFFFFC57	FFFF990A	00005A48	FFFFF042	FFFFF5BB	FFFFF85	00000175	00000397
(320)	0000004F	0000005B	00000004	00000001	00000005	00000004	FFFF0F86	FFFFB3A9	00006BE2	00011267
(360)	FFFFE40E	FFFFED94	FFFFFC53	FFFF9101	0000478E	FFFFF045	FFFFF5BC	FFFFF85	00000174	00000397
(400)	0000004F	0000005B	00000004	00000001	00000005	00000005	FFFF0084	FFFFAD56	00007802	00012733
(440)	FFFFE42A	FFFFED98	FFFFFC50	FFFF8595	00005389	FFFFF047	FFFFF5BE	FFFFF85	00000173	00000397
(480)	0000004F	0000005B	00000004	00000001	00000005	00000006	FFFF0D1F	FFFFAAE0	00006D6E	00011679
(520)	FFFFE446	FFFFED9D	FFFFFC4C	FFFF8C1F	0000479B	FFFFF04A	FFFFF5C0	FFFFF85	00000172	00000398
(560)	0000004F	0000005B	00000004	00000001	00000005	00000007	FFFF0B1F	FFFFA14E	00007C83	00012295
(600)	FFFFE462	FFFFEDA1	FFFFFC49	FFFF7A00	000050B6	FFFFF04D	FFFFF5C2	FFFFF85	00000171	00000398
(640)	0000004F	0000005B	00000004	00000001	00000005	00000008	FFFF0B29	FFFFADFF	00006E20	000118B7
(680)	FFFFE47E	FFFFEDA5	FFFFFC45	FFFF8B2C	00004822	FFFFF050	FFFFF5C4	FFFFF86	00000171	00000398
(720)	0000004F	0000005B	00000004	00000001	00000005	00000009	FFFF15F6	FFFFAA50	00007E06	00011749
(760)	FFFFE49B	FFFFEDAA	FFFFFC42	FFFF81F6	000055AB	FFFFF053	FFFFF5C6	FFFFF86	00000170	00000399
(800)	0000004F	0000005B	00000004	00000001	00000005	0000000A	FFFF0CA3	FFFFB547	00006C85	000114BE
(840)	FFFFE4B7	FFFFEDA E	FFFFFC3E	FFFF92AA	00004986	FFFFF057	FFFFF5C8	FFFFF86	0000016F	00000399
(880)	0000004F	0000005B	00000004	00000001	00000005	0000000B	FFFFE68F	FFFFAC7B	00007B6F	00013042
(920)	FFFFE4D4	FFFFEDB3	FFFFFC3B	FFFF8515	00005447	FFFFF05A	FFFFF5CA	FFFFF86	0000016E	00000399
(960)	0000004F	0000005B	00000004	00000001	00000005	0000000C	FF676981	FF676981	FF676981	FF676981
(1000)	FFFFE4F0	FFFFEDB7	FFFFFC37	FF676981	FF676981	FFFFF05D	FFFFF5CC	FFFFF86	0000016E	0000039A
(1040)	0000004F	0000005B	00000004	00000001	00000005	0000000D	FF676981	FF676981	FF676981	FF676981
(1080)	FFFFE50D	FFFFEDBC	FFFFFC34	FF676981	FF676981	FFFFF060	FFFFF5CE	FFFFF86	0000016D	0000039A
(1120)	0000004F	0000005B	00000004	00000001	00000005	0000000E	FF676981	FF676981	FF676981	FF676981
(1160)	FFFFE529	FFFFEDC0	FFFFFC30	FF676981	FF676981	FFFFF063	FFFFF5D0	FFFFF86	0000016C	0000039A
(1200)	0000004F	0000005B	00000004	00000001	00000005	0000000F	FF676981	FF676981	FF676981	FF676981
(1240)	FFFFE546	FFFFEDC5	FFFFFC2D	FF676981	FF676981	FFFFF067	FFFFF5D2	FFFFF86	0000016B	0000039B
(1280)	0000004F	0000005B	00000004	00000001	00000005	00000010	FF676981	FF676981	FF676981	FF676981
(1320)	FFFFE563	FFFFEDCA	FFFFFC29	FF676981	FF676981	FFFFF06A	FFFFF5D4	FFFFF86	0000016A	0000039B
(1360)	0000004F	0000005B	00000004	00000001	00000005	00000011	FF676981	FF676981	FF676981	FF676981
(1400)	FFFFE580	FFFFEDCE	FFFFFC26	FF676981	FF676981	FFFFF06D	FFFFF5D6	FFFFF87	0000016A	0000039B
(1440)	0000004F	0000005B	00000004	00000001	00000005	00000012	FF676981	FF676981	FF676981	FF676981
(1480)	FFFFE59D	FFFFEDD3	FFFFFC22	FF676981	FF676981	FFFFF071	FFFFF5D8	FFFFF87	00000169	0000039C
(1520)	0000004F	0000005B	00000004	00000001	00000005	00000013	FF676981	FF676981	FF676981	FF676981
(1560)	FFFFE5BA	FFFFEDD8	FFFFFC1F	FF676981	FF676981	FFFFF074	FFFFF5DA	FFFFF87	00000168	0000039C
(1600)	0000004F	0000005B	00000004	00000001	00000005	00000014	FF676981	FF676981	FF676981	FF676981
(1640)	FFFFE5D7	FFFFEDDD	FFFFFC1B	FF676981	FF676981	FFFFF078	FFFFF5DC	FFFFF87	00000167	0000039C
(1680)	0000004F	0000005B	00000004	00000001	00000005	00000015	FF676981	FF676981	FF676981	FF676981
(1720)	FFFFE5F4	FFFFEDE2	FFFFFC18	FF676981	FF676981	FFFFF07B	FFFFF5DE	FFFFF87	00000166	0000039D
(1760)	0000004F	0000005B	00000004	00000001	00000005	00000016	FF676981	FF676981	FF676981	FF676981
(1800)	FFFFE611	FFFFEDE7	FFFFFC15	FF676981	FF676981	FFFFF07F	FFFFF5E0	FFFFF87	00000166	0000039D
(1840)	0000004F	0000005B	00000004	00000001	00000005	00000017	FF676981	FF676981	FF676981	FF676981
(1880)	FFFFE62E	FFFFEDEC	FFFFFC11	FF676981	FF676981	FFFFF082	FFFFF5E2	FFFFF87	00000165	0000039D
(1920)	0000004F	0000005B	00000004	00000001	00000005	00000018	FF676981	FF676981	FF676981	FF676981

ISEE 1

SOLAR INTERPL & MAGNET. ENERG ION

77-102A-05A SPHE-00676

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 ^{8080/1/40}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

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 1

SOLAR INTERPL. AND MAGNETOSPHERIC ENERGETIC IONS

77-102A-05A

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

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-45312	C-21623	3/22/79 (1 file)
D-45313	C-21816	3/31/79, 4/1/79 (2 files)

77-102A-07E SPMS-00038

77-102A-07F_SPMS-00301

77-102A-07G_SPMS-00426

77-102A-07H_SPMS-00625

ISEE 1 & 2

77-102B-05B_SPHE-00435

77-102B-05C_SPHE-00499

VLF ELEC. SPEC. ANALYZER TAPES

77-102A-07E, 07F, 07G, 07H

77-102B-05B, 05C

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY SIX
 7-TRACK, 800 BPI TAPES, WRITTEN IN BINARY. THERE ARE SIX
 RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS
 TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED
 ON AN ^{UNIVAX 418}~~IBM 360~~ COMPUTER AND THEY WERE RESTORED ON AN IBM 9021. THE
 DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME
 SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN	
DR005211	DS005211	D047323	1	03/22/79 - 04/01/79	05C
DR005212	DS005212	D047322	1	03/22/79 - 04/01/79	05B
DR005213	DS005213	D047321	1	03/22/79 - 04/01/79	07H
DR005214	DS005214	D047320	1	03/22/79 - 04/01/79	07G
DR005215	DS005215	D047319	1	03/22/79 - 04/01/79	07F
DR005216	DS005216	D047318	1	03/22/79 - 04/01/79	07E

REQ. AGENT

REQ. NO.

ACQ. AGENT

LSM

V0144

DMS

ISEE 1	VLF ELEC. SPEC. ANALYZER - AVERAGES	77-102A-07E
ISEE 1	VLF ELEC. SPEC. ANALYZER PEAKS	77-102A-07F
ISEE 1	VLF MAG SPEC. ANALYZER AVERAGES	77-102A-07G
ISEE 1	VLF MAG SPEC. ANALYZER PEAKS	77-102A-07H
ISEE 2	VLF ELEC. SPEC. ANALYZER AVERAGES	77-102B-05B
ISEE 2	VLF ELEC. SPEC. ANALYZER PEAKS	77-102B-05C

This data set catalog consists of 6 tape(s). The tape(s) are 7 track, 800 bpi, bin with 1 file(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	
D-47318	C-22099	3/22/79- 4/1/79	ISEE 1 07E
D-47319	C-22100	3/22/79-4/1/79	ISEE 1 07F
D-47320	C-22101	3/22/79-4/1/79	ISEE 1 07G
D-47321	C-22102	3/22/79-4/1/79	ISEE 1 07H
D-47322	C-22103	3/22/79-4/1/79	ISEE 2 05B
D-47323	C-22104	3/22/79-4/1/79	ISEE 2 05C

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-07E

DATE DATA RECEIVED: 2/4/82

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:	<u>1 mag tapes</u>

SATELLITE NAME/NSDF NAME: See 1

EXPERIMENT NAME: _____

DATA SET FULL NAME: VLF Elec. Spec. Analyzer - averages

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 47318 C-52049

REMARKS:	<u>800, Bin, odd, 7trk, 1 file</u> <u>3/22/79 - 4/1/79</u> <u>CDAW</u>
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DATA RECEIPT NOTIFICATION SENT?

[Signature]
DATA TECHNICIAN

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-07F

DATE DATA RECEIVED: 2/4/82

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: ISS-1

EXPERIMENT NAME: _____

DATA SET FULL NAME: VLF BLEB SPEC. ANALYZER PEAKS

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 41314 C-22100

REMARKS:	800 Bin odd 7 files 3/22/79 - 4/1/79 CDAW
----------	---

DATA RECEIPT NOTIFICATION SENT?

MURAN
DATA TECHNICIAN

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 79-102A-076

DATE DATA RECEIVED: 2/4/82

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:	<u>1 mag tape</u>

SATELLITE NAME/NSDF NAME: See 1

EXPERIMENT NAME: _____

DATA SET FULL NAME: VLF M77 spec. analysis averages

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 49320 C-22101

REMARKS:	<u>800 Bui, odd, 7trk, 1 file</u> <u>3/22/79 - 4/1/79</u> <u>Craw</u>
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DATA RECEIPT NOTIFICATION SENT?

Moran
DATA TECHNICIAN

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-07H

DATE DATA RECEIVED: 2/4/82

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: Sea 1

EXPERIMENT NAME: _____

DATA SET FULL NAME: VLF-MAG Spic analysis plots

CONTACT: _____ ACQUISITION SCIENTIST: Bob

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

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

ACCESSION UNIT NUMBERS: DD 47321 C-22102

REMARKS:	800 bin, odd, 7chk, 1 file 3/22/79 - 4/1/79 Craw
----------	--

DATA RECEIPT NOTIFICATION SENT?

Norman
DATA TECHNICIAN

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77102 B-05B DATE DATA RECEIVED: 2/4/82
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: Sec 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: VLF Elec. Spec. Analyzer, averages

CONTACT: _____ ACQUISITION SCIENTIST: PHL

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

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

ACCESSION UNIT NUMBERS: DD 47322 - C-22103

REMARKS:

800 bin add Turk 1 file
3/22/79 - 4/1/79

CDAW

DATA RECEIPT NOTIFICATION SENT? _____
DATA TECHNICIAN Floran

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102B-05 DATE DATA RECEIVED: 2/4/82
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: Sec 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: VLF Elec. Spec. Analyzer Peaks

CONTACT: _____ ACQUISITION SCIENTIST: MLR

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: NS

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

ACCESSION UNIT NUMBERS: 47323 0-22104

REMARKS:	<u>800 bin track 1</u> <u>3/22/79 - 4/1/79</u> <u>CRAW</u>
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DATA RECEIPT NOTIFICATION SENT? MLR
DATA TECHNICIAN

Date Feb 3 1982
NSSDC ID Seiblow

CDAW DATA SET ENTRY

Date Recd : Feb 3 1982 CDB: ϕ6

Data Sent By : R. Anderson

Material Recd : 6 Tapes and 3 documentation sets

Satellite/NSRF Name: ISEE 1 and 2

Data Set Name : ISEE 1 Plasma Waves ISEE 2 Plasma Waves

New Data Set Additions Replacements

Comments _____

Time Coverage : 79 Mar 22 (6^h) → April 1 (6^h)

Tapes To be Returned to : _____

VLF Elec. Spec. Analyzer - averages 77-102A-07E

" " " " - peaks F

" Mag. " " - averages G

" " " " - peaks. H

VLF Elec. Spec. Analyzer - averages 77-102B-05B

" " " " - peaks C

Completed By : _____

Data Set Description

1. Data Set Name: GURNETT ISEE-1 ELECTRIC SPECTRUM ANALYZER
2. Scientific Contact: Donald A. Gurnett 319-353-3527
Roger R. Anderson 319-353-3369
3. Programmer Contact: Terrance F. Averkamp 319-353-3612

Tape Description

1. Number of tapes submitted: Two
2. Number of files per tape: One
3. Tape Density: 800 b.p.i.
4. Number of end of file marks: Two
5. Number of tracks per tape: Seven
6. Recording parity: Odd
7. Made and model of computer used: UNIVAC 418 III; UNIVAC Uniservo VI C
Tape Drives
8. Tapes are written in: Binary
9. Floating point representation: UNIVAC 418 (Two pages of description
are enclosed)
10. Integer representation: Not used
11. Number of physical records per file: 88
12. Are original tapes to be returned: Yes YY DDD HHMM
13. Start and stop times of each file: Start 79-081-0600
Stop 79-091-0600

Logical and Physical Record Format

Note: 1 Real Data Word = 2 18-bit words

Physical Record Size: 480 36-bit Real Data Words

Logical Record Size: 24 36-bit Real Data Words

REAL 36 BIT 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		
5	5.6 Hz Electric Spectrum Analyzer (ESA) data, $\text{Log}_{10} (\text{V}^2/\text{m}^2/\text{Hz})$ (Volts ² /meter ² /Hz)		
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	"	"
21	56.2 kHz	"	"
22	100. kHz	"	"
23	178. kHz	"	"
24	311. kHz	"	"

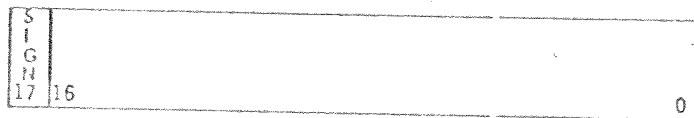
UNIVAC 418 INTERNAL REPRESENTATION OF FORTRAN DATA

The basic unit of information for the UNIVAC 418 system is a word. A word is of fixed length and consists of 18 bits. Bit positions 0 through 16 represent data. Bit position 17 indicates the sign of the word.

The following paragraphs present the internal data formats for the various FORTRAN data types. Refer to Appendix E for the internal character code representation.

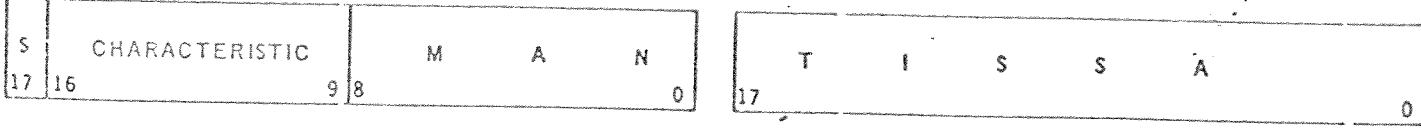
1. INTEGER DATA

An integer datum requires one word of UNIVAC 418 main storage and ranges in value from -13107_{10} to $+13107_{10}$.



2. Real Data

A real datum requires two contiguous words of UNIVAC 418 main storage. A real value may consist of from 1 to 8 significant decimal digits; the internal representation of real values is:

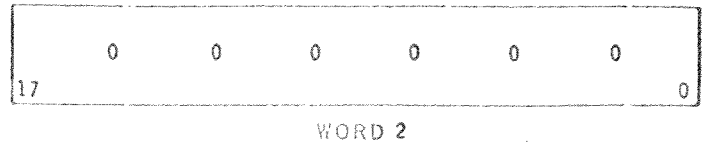
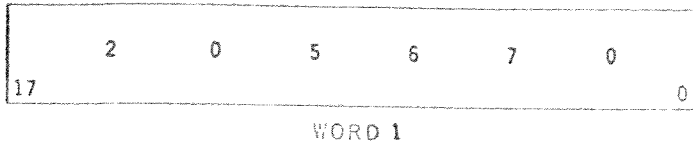


Two words consist of 35 bits plus one bit used for the sign. Of the 35 bits used to hold the number, 8 are used for the characteristic and 27 are used for the fraction. With 8 bits the integers from 0 to 255 can be stored. Since signed exponents are desirable the characteristic instead of the exponent is stored in positions 1-8. A characteristic is formed from an exponent by adding 128 so that exponents from -128 to $+127$ can be represented. In a binary number, the exponent refers to base of 2, so that scale factors range from 2^{-128} to 2^{127} or approximately 10^{-38} to 10^{38} . A normalized real number is one having a 1 in the leftmost bit of the fraction.

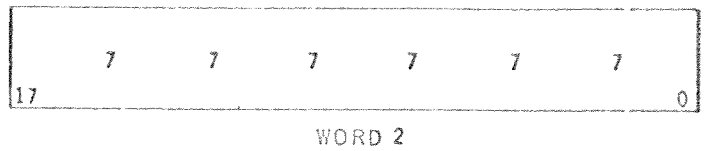
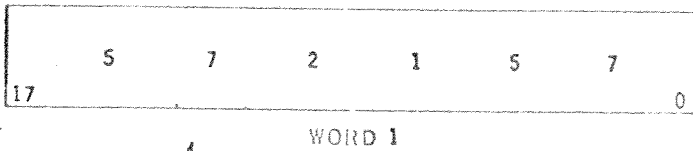
For positive numbers the sign bit is zero.

An example of a positive number converted to internal real form is the following:

Convert the number 25
 Binary form: 011001
 Normalized binary form: $.11001 \times 2^5$
 Normalized Octal form (fraction) 62
 Characteristic: $128 + 5 = 133 = 205_8$
 Number in main storage in octal



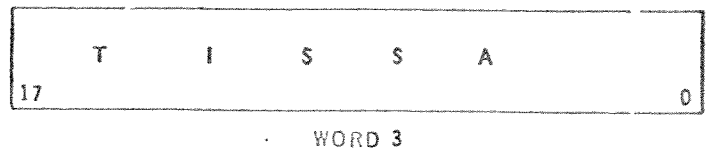
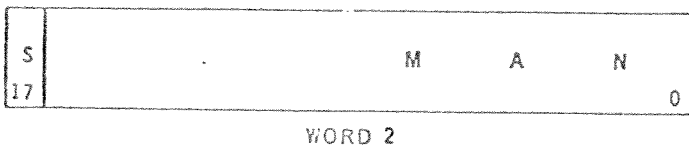
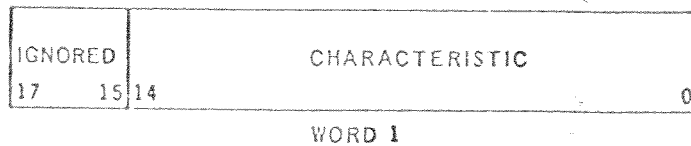
In the UNIVAC 418 system a negative number is represented as a ones complement of the positive number. Therefore a -25 will appear in main storage as the following:



Note: both WORD1 and WORD2 are complemented and the sign bit is always 1 for negative numbers.

3. Double Precision Data

A double precision datum requires three contiguous words of UNIVAC 418 main storage. A double precision value may consist of up to 11 significant decimal digits. The internal representation of double precision data is the following:



15 bits of WORD 1 are used for the characteristic; and 35 bits plus sign bit are used for the fraction. Since 15 bits are available for the characteristic instead of the 8 bits for real exponents from -16383 to $+16384$ can be represented. Scale factors range from 2^{-16383} to 2^{+16384} or approximately 10^{-4865} to 10^{+4865} . The characteristic is formed by adding 16384_{10} or $40,000_8$ to the exponent.

Note: Negative double precision data are complements of positive double precision data; however, WORD 2 and WORD 3 are only complemented and bit 17 of WORD 2 is the sign of the fraction.

20(7)474

↓ tells you how many characters to go over
474

becomes → 1001111/007
7 characters

1/001/111 breaks down to 117

117 in octal converts to 79 in decimal

2832) 573171443267 573000207312 573017054344 573005007603 572363151545 573222153726 573211134547 573150466055 573254640134
 (2832) 573171443267 573000207312 573017054344 573005007603 572363151545 573222153726 573211134547 573150466055 573254640134

FILE	1	RECORD	#8	LENGTH	1584BYTES				
(0)	207474000000	207554000000	217510100000	213663200000	574067027532	573361740022	573277201367	573220544136	
(48)	573147644676	573105715117	573127345231	573051500202	573053422023	573113020133	573263641323	573315765004	
(96)	573250571731	573065544374	573011674124	573017573626	573052562242	573032732533	572363725741	572362406714	
(144)	207474000000	207554000000	217511040000	213663400000	574066551020	573361444453	573267506163	573221415177	
(192)	573166764422	573144337171	573102252602	573045132327	573041775056	573066777615	573235610602	573333577636	
(240)	573255546015	573075557627	573012535534	573020200017	573052476143	573032147320	572363252460	572360643762	
(288)	207474000000	207554000000	217512000000	213663600000	574066600117	573361463155	573272435675	573217502534	
(336)	573151112604	573121050272	573103623224	573043574765	573037521144	573102374420	573256051360	573340645253	
(384)	573266137177	573076271120	573012547203	573017144103	573052331252	573031430606	572362623102	572360207226	
(432)	207474000000	207554000000	217512740000	213664000000	574071663162	573365024316	573271332446	573227744462	
(480)	573151107744	573157676674	573143046526	573067724723	573070377640	573127345774	573307101410	573304644426	
(528)	573247330743	573075526504	573014420756	573013237677	573052116457	573030433375	572362363714	572361240534	
(576)	207474000000	207554000000	217513700000	213664200000	574070222553	573363475234	573264655442	573223717563	
(624)	573147557467	573116602534	573110704065	573077472241	573053520542	573102464570	573260077703	573232777306	
(672)	573307566400	573116273471	573013777465	573014523112	573051607131	573027657277	572362214634	572361563402	
(720)	207474000000	207554000000	217514640000	213664400000	574067312432	573363745722	573274025626	573226141636	
(768)	573225701310	573215644730	573167702126	573137772325	573036504323	573051750407	573223331312	573231770571	
(816)	573344202167	573165707057	573035304775	573017160737	573026571762	573026571762	572362002711	572363134554	
(864)	207474000000	207554000000	217515600000	213664600000	574066600346	573362433020	573265011662	573222114033	
(912)	573202741623	573231747330	573210736247	573150045156	573042142161	573041061103	573215475214	573167102154	
(960)	573315753146	573152441636	573027134522	573020503262	573051133316	573026573036	572361546432	572363205661	
(1008)	207474000000	207554000000	217516540000	213665000000	574070016414	573363574602	573262143501	573223225621	
(1056)	573200733166	573160354211	573135366702	573116062153	573061231221	573045626415	573217334750	573165350525	
(1104)	573272501570	573124077462	573024404167	573021437256	573051011031	573024636465	572361307546	572364277137	
(1152)	207474000000	207554000000	217517500000	213665200000	574070073323	573364156124	573262424135	573224277122	
(1200)	573217500771	573206274566	573163642350	573127213405	573046434666	573046170723	573226550720	573166606600	
(1248)	573256374070	573100065754	573022055247	573017741331	573050762222	573023446341	572361011740	572365234157	
(1296)	207474000000	207554000000	217520440000	213665400000	574071221017	573365454366	573262364176	573223142170	
(1344)	573205410607	573156660507	573124636323	573121737723	573040556534	573033123677	573202362141	573205333341	
(1392)	573274366771	573101273620	573016067636	573015126505	573050541276	573022371062	572360560102	572367231261	
(1440)	207474000000	207554000000	217521400000	213665600000	574073134137	573367024074	573265133006	573230437201	
(1488)	573176671732	573142074767	573103012252	573045132240	573027354672	573036545054	573200767024	573224276072	
(1536)	573317546635	573124751521	573015013273	573013622561	573050437360	573021407035	572360250004	572366416230	

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES		
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EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0
 START TIME 02/05/82 10:42:26 STOP TIME 02/05/82 10:42:30

DUMP OF TAPE LWOUT4

INPUT TAPE LWOUT4 ON MT6
DATA INPUT 07 FL 1 1 1

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(96)	572367720203	572364216147	573020162146	572376240601	572364625537	572355661715	572346524050	572367400406	
(144)	207474000000	207504000000	217522340000	202400000000	574070717317	573347635467	573274510267	573244163303	
(192)	573166512424	573131153734	573106667212	573047174623	573120274270	573073623450	573017461663	572374164660	
(240)	572366450057	572364216147	573020162146	572376240601	572364625537	572353621520	572346524050	572360055552	
(288)	207474000000	207504000000	217523300000	202600000000	574073616622	573352304323	573303727421	573251451146	
(336)	573212574616	573117617407	573073455653	573047174623	573152337265	573026356272	573006761600	572371716733	
(384)	572366450057	572361135564	573016445004	572375754572	572364223723	572353621520	572346524050	572357206727	
(432)	207474000000	207504000000	217524240000	203400000000	574100227262	573355563107	573267651220	573251451146	
(480)	573216151413	573135417650	573122535434	573103671431	573110101730	573073623450	573061266210	573030456272	
(528)	573001620600	572362644327	573020162146	572375516254	572364625537	572354247510	572347165713	572357215100	
(576)	207474000000	207504000000	217525200000	203500000000	574100227262	573346536567	573274510267	573241022325	
(624)	573166512424	573135417650	573101624745	573062406744	573175371752	573063053122	573040743556	573013561656	
(672)	572373203227	572362644327	573020162146	572375516254	572365220347	572355267074	572346524050	572355563777	
(720)	207474000000	207504000000	217526140000	203600000000	574105422171	573354552252	573313657774	573253021362	
(768)	573231567442	573154650721	573122535434	573103671431	573170502642	573071126473	573056650175	573032507107	
(816)	573003050524	572366640762	573014743000	572375516254	572364625537	572354247510	572346524050	572355046314	
(864)	207474000000	207504000000	217527100000	203700000000	574101767747	573354552252	573305231260	573253021362	
(912)	573232632764	573202047147	573146662171	573120203547	573067127276	573053055552	573034523403	573007052035	
(960)	572377377753	572367733051	573013475262	572375516254	572364223723	572355267074	572346524050	572356101022	
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(1104)	573060154172	573006116541	573013475262	572375516254	572363606155	572355267074	572346524050	572362610053	
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(1296)	207474000000	207504000000	217531740000	204500000000	574105422171	573354552252	573274510267	573267131616	
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(1392)	573027245442	572370752701	573012500646	572376240601	572364223723	572354665270	572346524050	572372226765	
(1440)	207474000000	207504000000	217532700000	204540000000	574103604552	573354552252	573303727421	573257142225	
(1488)	573217240055	573147761547	573176415773	573176453175	573176043734	573172547630	573144465142	573077550140	
(1536)	573026404754	572367733051	573011513662	572375754572	572363606155	572354665270	572346524050	572372226765	
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(1728)	207474000000	207504000000	217534600000	204640000000	574073616622	573352304323	573271177552	573242653015	
(1776)	573210536771	573216017143	573223545356	573214001375	573212552413	573217400736	573157304572	573111773242	
(1824)	573035371735	572372637033	573011513662	572375023431	572363160154	572354247510	572346524050	572373703430	
(1872)	207474000000	207504000000	217535540000	204700000000	574070717317	573365053201	573302262735	573246235021	
(1920)	573200141610	573145222467	573114133410	573123335065	573171757556	573144064016	573103271025	573025361134	
(1968)	572377377753	572357246632	573004007211	572374526704	572363160154	572354247510	572353721131	573011521642	
(2016)	207474000000	207504000000	217536500000	204740000000	574064674671	573354552252	573306463703	573253021362	
(2064)	573233665674	573170211514	573130606435	573075120731	573143165175	573071126473	573017461663	572373072566	
(2112)	572367720203	572355134714	573006540453	573007073041	572366514054	572354247510	573010447346	573063557214	
(2160)	207474000000	207504000000	217537440000	205400000000	574064674671	573356535547	573333452057	573275211202	
(2208)	573246004433	573210027346	573147764625	573111753151	573153747367	573103616467	573004247542	573004334371	
(2256)	572367720203	572355134714	573010253025	573014753034	572371476437	572354665270	573004271067	573111273761	
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(2352)	573203671272	573130361707	573136420024	573137047537	573145722076	573077122777	573035627310	572375204513	
(2400)	573012164257	572361135564	573012500646	573022676021	572370274152	572353621520	573000073273	573112710076	
(2448)	207474000000	207504000000	217541340000	205440000000	574064674671	573363155473	573307646207	573245073157	
(2496)	573224610470	573161213177	573117351005	573062406744	573075064153	573057736040	573026127160	572377753220	
(2544)	572367720203	572364216147	573026447466	573034274412	572373045154	572353621520	573001427042	573112710076	
(2592)	207474000000	207504000000	217542300000	205460000000	574052120421	573355563107	573307645207	573275211202	
(2640)	573242533641	573212322204	573201452506	573172076101	573200111703	573171160505	573153577071	573110702414	
(2688)	573027245442	572371726155	573026447466	573031601634	572367736460	572357155413	573000073273	573117714510	

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(96)	573301453652	573120217674	573014743000	573034274412	573053637326	573035440505	572367101514	572365616535					
(144)	207474000000	207554000000	217511040000	213663400000	574114726254	574001414330	573316636760	573254115744					
(192)	573232632764	573206305352	573132225763	573065773521	573074011175	573111166272	573256205746	573370173541					
(240)	573312051735	573133604264	573021633364	573030411155	573053637326	573034537707	572365731472	572365616535					
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(336)	573206442036	573154650721	573134107636	573067452004	573070356275	573141137337	573320375432	573374126646					
(384)	573317665512	573134576742	573023304473	573031601634	573053013260	573033462657	572365731472	572364145017					
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(480)	573201605224	573212322204	573201452506	573112273635	573124111624	573160672510	573341307702	573334004251					
(528)	573300137521	573125404311	573016445004	573022676021	573053013260	573033462657	572363734416	572365616535					
(576)	207474000000	207554000000	217513700000	213664200000	574116455354	574004307430	573305231260	573254115744					
(624)	573201605224	573156372756	573147764625	573127001457	573106702655	573141137337	573320375432	573263250723					
(672)	573341607771	573160625002	573021633364	573026217541	573053013260	573032242211	572364454142	572365616535					
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(768)	573270621611	573254615734	573227241634	573205304661	573077131362	573106170662	573262305501	573264721230					
(816)	574007051751	573220734756	573074426445	573030411155	573053013260	573032242211	572363437015	572366712555					
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(912)	573237076073	573276051441	573251106566	573210657405	573076112256	573066275501	573251304606	573222252612					
(960)	573357275525	573211756633	573053272501	573030411155	573053013260	573027574634	572363437015	572367400406					
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(1056)	573241735641	573216504561	573202523041	573160407133	573114633571	573067304406	573245236217	573222252612					
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(1200)	573256004453	573242307454	573223545356	573174462757	573103061121	573101170275	573264702752	573226676165					
(1248)	573320450754	573135602054	573024765364	573031601634	573053013260	573026371247	572362664770	572373703430					
(1296)	207474000000	207554000000	217520440000	213665400000	574116455354	574014415024	573303727421	573245073157					
(1344)	573245105153	573214617134	573157257511	573161772365	573101640164	573066275501	573241312062	573233724467					
(1392)	573323527303	573134576742	573024765364	573026217541	573052062423	573026371247	572362407224	572375144020					
(1440)	207474000000	207554000000	217521400000	213665600000	574120716702	574014415024	573310774242	573255365772					
(1488)	573233665674	573203141055	573144156074	573077446675	573051656554	573067304406	573237321773	573253237737					
(1536)	573351674570	573163746726	573024765364	573022676021	573052062423	573025036460	572361674774	572375740576					

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
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EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0
 START TIME 02/05/82 10:45:28 STOP TIME 02/05/82 10:45:42

DUMP OF TAPE LWOUT1

INPUT TAPE LWOUT1 ON MT6
DATA INPUT 07 FL 1 1 1

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(96)	573311120371	573275302176	207474000000	207504000000	217522340000	202400000000	575052230135	574323011360	
(144)	574231167571	574145305220	574136052315	573370625172	573346057066	573330324624	573304467745	573313401637	
(192)	573304515460	573275545474	573311042474	573275302176	207474000000	207504000000	217523300000	202600000000	
(240)	575052435636	574322514535	574232021703	574144366315	574136125630	573370625172	573346057066	573330324624	
(288)	573304467745	573313720024	573304106306	573275544136	573311120371	573275302176	207474000000	207504000000	
(336)	217524240000	203400000000	575053066216	574322301414	574232340001	574143031455	574136053462	573370625172	
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(480)	574137377235	573373177553	573350433306	573332701547	573307044301	573314110123	573304430705	573276121217	
(528)	573311730062	573277656712	207474000000	207504000000	217526140000	203600000000	575053005721	574321744370	
(576)	574230176427	574143772723	574136365003	573370625172	573346057066	573330324624	573304467745	573313353372	
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(1008)	574232347727	574143742566	574135703174	573370625172	573346057066	573330324624	573304467745	573313466476	
(1056)	573304011760	573275575545	573311147145	573275302176	207474000000	207504000000	217532700000	204540000000	
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(1152)	573304467745	573313451351	573304141125	573275742476	573311042474	573275302176	207474000000	207504000000	
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(1728)	207474000000	207504000000	217540400000	205420000000	575053331447	574322222426	574232247437	574144724072	
(1776)	574136057536	573370625172	573346057066	573330324624	573304467745	573313161467	573304032716	573276553526	
(1824)	573311013353	573275302176	207474000000	207504000000	217541340000	205440000000	575053331447	574322625770	
(1872)	574231277307	574144464756	574136574641	573370625172	573346057066	573330324624	573304467745	573313045132	
(1920)	573304042647	573275560756	573311013353	573275302176	207474000000	207504000000	217542300000	205460000000	
(1968)	575053107137	574323060512	574232276416	574142631676	574135744457	573370625172	573346057066	573330324624	
(2016)	573304467745	573312752137	573304106720	573275606564	573311120371	573275302176	207474000000	207504000000	
(2064)	217543240000	205500000000	575053146370	574325610207	574232340032	574144703277	574136362655	573370625172	
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(96)	573312226375	573275302175	207474000000	207554000000	217517500000	213670400000	575053723211	574322452475	
(144)	574231547767	574145461113	574137400166	573370625172	573346057065	573330324623	573304467743	573313570076	
(192)	573304573764	573275401713	573312301606	573275302175	207474000000	207554000000	217520440000	213670600000	
(240)	575054313417	574323246256	574231772610	574144637554	574136635510	573370625172	573346057065	573330324623	
(288)	573304467743	573314125230	573305045514	573275437627	573312251624	573275302175	207474000000	207554000000	
(336)	217521400000	213671000000	575054303347	574322016737	574232510725	574144631615	574137511676	573370625172	
(384)	573346057065	573330324623	573304467743	573314243120	573305053262	573275560647	573312333040	573275302175	

DUMP OF TAPE LWOUT2

INPUT TAPE LWOUT2 ON MT6
DATA INPUT 07 FL 1 1 1

FILE	1	RECORD	1	LENGTH	2160BYTES				
(0)	207474000000	207504000000	217521400000	201400000000	575053146372	574336247535	574243312530	574160014551	
(48)	574141277732	573370625172	573346057066	573330324624	573304467745	573332045177	573310435202	573300620014	
(96)	573312372513	573275302176	207474000000	207504000000	217522340000	202400000000	575053146372	574336247535	
(144)	574237626044	574163307515	574145154536	573370625172	573346057066	573330324624	573304467745	573324150345	
(192)	573317101524	573300620014	573312372513	573275302176	207474000000	207504000000	217523300000	202600000000	
(240)	575053146372	574333477236	574243312530	574163307515	574150632415	573370625172	573346057066	573330324624	
(288)	573304467745	573327223445	573306514747	573277214453	573312372513	573275302176	207474000000	207504000000	
(336)	217524240000	203400000000	575063340777	574333477236	574254742366	574154342550	574145154536	573370625172	
(384)	573346057066	573330324624	573304467745	573330556203	573306514747	573300620014	573312372513	573275302176	
(432)	207474000000	207504000000	217525200000	203500000000	575063340777	574330604226	574251744335	574160014551	
(480)	574145154536	574015761556	573364226336	573346476075	573322637447	573330556203	573312265353	573304673210	
(528)	573321140241	573313452612	207474000000	207504000000	217526140000	203600000000	575063340777	574333477236	
(576)	574243312530	574160014551	574150632415	573370625172	573346057066	573330324624	573304467745	573325621252	
(624)	573306514747	573300620014	573312372513	573275302176	207474000000	207504000000	217527100000	203700000000	
(672)	575053146372	574333477236	574243312530	574160014551	574141277732	573370625172	573346057066	573330324624	
(720)	573304467745	573320561634	573306514747	573277214453	573312372513	573275302176	207474000000	207504000000	
(768)	217530040000	204400000000	575063340777	574343307175	574246602700	574154342550	574141277732	573370625172	
(816)	573346057066	573330324624	573304467745	573327223445	573314025605	573300620014	573312372513	573275302176	
(864)	207474000000	207504000000	217531000000	204440000000	575063340777	574333477236	574243312530	574160014551	
(912)	574145154536	573370625172	573346057066	573330324624	573304467745	573322411012	573310435202	573277214453	
(960)	573312372513	573275302176	207474000000	207504000000	217531740000	204500000000	575053146372	574336247535	
(1008)	574246602700	574160014551	574141277732	573370625172	573346057066	573330324624	573304467745	573325621252	
(1056)	573310435202	573277214453	573312372513	573275302176	207474000000	207504000000	217532700000	204540000000	
(1104)	575063340777	574333477236	574243312530	574154342550	574145154536	573370625172	573346057066	573330324624	
(1152)	573304467745	573324150345	573310435202	573300620014	573312372513	573275302176	207474000000	207504000000	
(1200)	217533640000	204600000000	575063340777	574330604226	574243312530	574160014551	574145154536	573370625172	
(1248)	573346057066	573330324624	573304467745	573325621252	573306514747	573300620014	573312372513	573275302176	
(1296)	207474000000	207504000000	217534600000	204640000000	575063340777	574336247535	574251744335	574160014551	
(1344)	574145154536	574015761556	573364226336	573346476075	573322637447	573316633055	573306514747	573304673210	
(1392)	573321140241	573313452612	207474000000	207504000000	217535540000	204700000000	575063340777	574333477236	
(1440)	574243312530	574163307515	574145154536	574015761556	573364226336	573346476075	573322637447	573325621252	
(1488)	573315504436	573304673210	573321140241	573313452612	207474000000	207504000000	217536500000	204740000000	
(1536)	575063340777	574336247535	574251744335	574154342550	574141277732	573370625172	573346057066	573330324624	
(1584)	573304467745	573316633055	573306514747	573277214453	573312372513	573275302176	207474000000	207504000000	
(1632)	217537440000	205400000000	575063340777	574336247535	574246602700	574166440162	574145154536	573370625172	
(1680)	573346057066	573330324624	573304467745	573314573343	573310435202	573302163622	573312372513	573275302176	
(1728)	207474000000	207504000000	217540400000	205420000000	575063340777	574336247535	574243312530	574163307515	
(1776)	574141277732	573370625172	573346057066	573330324624	573304467745	573316633055	573310435202	573300620014	
(1824)	573312372513	573275302176	207474000000	207504000000	217541340000	205440000000	575063340777	574336247535	
(1872)	574243312530	574171452131	574154130670	573370625172	573346057066	573330324624	573304467745	573320561634	
(1920)	573306514747	573277214453	573312372513	573275302176	207474000000	207504000000	217542300000	205460000000	
(1968)	575063340777	574333477236	574243312530	574163307515	574145154536	573370625172	573346057066	573330324624	
(2016)	573304467745	573322411012	573310435202	573277214453	573312372513	573275302176	207474000000	207504000000	
(2064)	217543240000	205500000000	575053146372	574350005313	574251744335	574154342550	574145154536	573370625172	
(2112)	573346057066	573330324624	573304467745	573324150345	573306514747	573277214453	573312372513	573275302176	

FILE	1	RECORD	69	LENGTH	432BYTES				
(0)	207474000000	207554000000	217516540000	213670200000	575063340777	574343307175	574243312530	574163307515	
(48)	574145154536	573370625172	573346057066	573330324624	573304467745	573327223445	573321724461	573300620014	
(96)	573312372513	573275302176	207474000000	207554000000	217517500000	213670400000	575063340777	574340717651	
(144)	574246602700	574166440162	574145154536	573370625172	573346057066	573330324624	573304467745	573325621252	
(192)	573315504436	573300620014	573312372513	573275302176	207474000000	207554000000	217520440000	213670600000	
(240)	575063340777	574343307175	574254742366	574171452131	574150632415	573370625172	573346057066	573330324624	
(288)	573304467745	573327223445	573321724461	573300620014	573312372513	573275302176	207474000000	207554000000	
(336)	217521400000	213671000000	575063340777	574340717651	574254742366	574177106315	574145154536	573370625172	
(384)	573346057066	573330324624	573304467745	573330556203	573317101524	573300620014	573314721763	573275302176	

DUMP OF TAPE LDOUT2

D-47322
3/22/79 - 4/1/79

INPUT TAPE LDOUT2 04 MT6
DATA INPUT 07 FL 1 1 1

FILE	1	RECORD	79	81	LENGTH	2400BYTES
(0)	207474000000	207504000000	217521400000	201400000000	574355370603	574250776034
(48)	573335461660	573252247276	573150504330	573104633304	573060740753	573046774041
(96)	573001255245	572370357442	573014411251	573006116554	207474000000	207504000000
(144)	574355370603	574250776034	574151352362	574061536025	573343347567	573235131651
(192)	573067263141	573045767562	573025272761	573010024253	573001255245	572370357442
(240)	207474000000	207504000000	217523300000	202600000000	574344267603	574250776034
(288)	573337576644	573247000760	573147334546	573112416167	573066403445	573046774041
(336)	573001255245	572370357442	573015375014	573004721773	207474000000	207504000000
(384)	574353016017	574246177616	574151352362	574052771465	573340724501	573250533405
(432)	573065522262	573043657702	573024100443	573010024253	573001255245	572370357442
(480)	207474000000	207504000000	217525200000	203500000000	574350604120	574250776034
(528)	573334504262	573241065162	573147334546	573115241142	573066403445	573046774041
(576)	573001255245	572372065051	573015375014	573004721773	207474000000	207504000000
(624)	574342126430	574250776034	574147614710	574070674570	573337576644	573250533405
(672)	573066403445	573047757603	573024100443	573010024253	573001255245	572372065051
(720)	207474000000	207504000000	217527100000	203700000000	574353016017	574246177616
(768)	573336506761	573250533405	573147334546	573171522125	573103005243	573044736262
(816)	573001255245	572370357442	573013404777	573004721773	207474000000	207504000000
(864)	574353016017	574253750445	574147614710	574066275252	573343347567	573242347013
(912)	573145720122	573101115070	573044060532	573017462254	573001255245	572370357442
(960)	207474000000	207504000000	217531000000	204440000000	574342126430	574257062006
(1008)	573352305054	573252247276	573146336360	573157077525	573075432572	573047757603
(1056)	573001255245	572372065051	573011275116	573004721773	207474000000	207504000000
(1104)	574350604120	574250776034	574146106403	574066275252	573336506761	573250533405
(1152)	573063671414	573044736262	573024100443	573011562475	573001255245	572372065051
(1200)	207474000000	207504000000	217532700000	204540000000	574350604120	574257062006
(1248)	573353643012	573233711013	573150504330	573170211441	573113472226	573053444474
(1296)	573001255245	572372065051	573011275116	573006116554	207474000000	207504000000
(1344)	574344267603	574253750445	574144411031	574070674570	573343347567	573250533405
(1392)	573156523622	573124133465	573066763636	573034770231	573006317004	572370357442
(1440)	207474000000	207504000000	217534600000	204640000000	574350604120	574250776034
(1488)	573340724501	573250533405	573153563507	573153365353	573160227546	573145256752
(1536)	573037404336	572376062740	573010167673	573004721773	207474000000	207504000000
(1584)	574353016017	574250776034	574153134370	574073236030	573333556551	573255170776
(1632)	573310064134	573174011001	573142342162	573121172114	573127527353	573075250716
(1680)	207474000000	207504000000	217536500000	204740000000	574346376451	574250776034
(1728)	573344622353	573321502043	573306464405	573311175132	573257163322	573207171545
(1776)	573101375456	573036704336	573012353476	573015425160	207474000000	207504000000
(1824)	574350604120	574246177616	574146106403	574052771465	573342124250	573305521337
(1872)	573246417214	573217122443	573224237177	573145206453	573112057333	573033403350
(1920)	207474000000	207504000000	217540400000	205420000000	574353016017	574246177616
(1968)	573340724501	573242347013	573216405571	573241551503	573221244670	573177163765
(2016)	573100010704	573020464251	573010167673	573020140526	207474000000	207504000000
(2064)	574346376451	574250776034	574141146303	574052771465	573343347567	573247000760
(2112)	573213077667	573160755334	573162351347	573145206453	573054761634	572377155626
(2160)	207474000000	207504000000	217542300000	205460000000	574355370603	574250776034
(2208)	573340724501	573245301067	573221175167	573210141404	573170327675	573150661256
(2256)	573064564422	573017357571	573021060530	573023276431	207474000000	207504000000
(2304)	574355370603	574250776034	574146106403	574050407755	573344622353	573247000760
(2352)	573222433737	573167647616	573136501506	573106526727	573142633007	573002316624

FILE	1	RECORD	79	91	LENGTH	960BYTES
(0)	207474000000	207554000000	217512740000	213606200000	574335823723	574241204525
(48)	573372120374	573266775770	573171773474	573133107160	573100136751	573056572260
(96)	573104110341	573225412163	573034025332	573027051644	207474000000	207554000000
(144)	574333474607	574241204525	574167467607	574127745447	573373641431	573273370673
(192)	573152670532	573115632244	573076174213	573117207375	573131721170	573030246217

(336)	573053334112	573113044767	573025173570	573031776112	207474000000	207554000000	217515600000	213607000000
(384)	574335623723	574243552365	574167467607	574127745447	573370436300	573274622266	573250676410	573234023563
(432)	573175725355	573143216411	573077612646	573116124374	573154517123	573340613162	573141567157	573033666232
(480)	207474000000	207554000000	217516540000	213607200000	574335623723	574243552365	574165132407	574121133311
(528)	573370436300	573304507271	573211551001	573146254421	573120734745	573111440277	573106115511	573117207375
(576)	573142633007	573325020627	573144624373	573033666232	207474000000	207554000000	217517500000	213607400000
(624)	574337764532	574241204525	574167467607	574123456435	573370436300	573300251020	573237364511	573154565564
(672)	573100136751	573057361572	573036425066	573171537017	573152770345	573217762520	573042245674	573032737073
(720)	207474000000	207554000000	217520440000	213607600000	574335623723	574241204525	574172203725	574127745447
(768)	573360116355	573276006722	573211551001	573164227753	573143227045	573105461637	573066763636	573134362560
(816)	573140553050	573026445257	573027466561	573030034754	207474000000	207554000000	217521400000	213610000000
(864)	574335623723	574241204525	574167467607	574125716256	573365517175	573270461734	573176410267	573130067175
(912)	573077271446	573056572260	573040164623	573037256505	573035706354	573007362240	573016332144	573027051644

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
	RECS.	INPUT	SIZE	PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	79	80	2400	0	0	0	0	0	0

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

START TIME 02/05/82 10:17:42 STOP TIME 02/05/82 10:17:55

INPUT TAPE LDOUT1 ON MT6
DATA INPUT 07 FL 1 1 1

79 81

FILE	1	RECORD	1	LENGTH	2400BYTES				
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(48)	573313024147	573222001411	573125272634	573076465334	573054757765	573036753133	573017636415	573005160732	
(96)	572377520064	572367765171	573012347723	573003061527	207474000000	207504000000	217522340000	202400000000	
(144)	574326633163	574220175120	574114423650	574013347332	573513126775	573211644251	573124614512	573076165234	
(192)	573055726457	573036740316	573017600266	573005042531	572377411403	572370054743	573012120340	573002750723	
(240)	207474000000	207504000000	217523300000	202600000000	574322401410	574222240676	574113031501	574006372074	
(288)	573316054235	573221715033	573127227417	573100085770	573056001517	573037270142	573020066415	573005412727	
(336)	572377466515	572370003247	573012677062	573002603200	207474000000	207504000000	217524240000	203400000000	
(384)	574323505615	574217643726	574117447617	574006134303	573316171427	573222202571	573125011513	573100620323	
(432)	573056345242	573037014555	573020271476	573006037130	572377755666	572370142753	573013265741	573003042432	
(480)	207474000000	207504000000	217525200000	203500000000	574323753140	574216764307	574115506120	574021135671	
(528)	573311574775	573215624670	573130032303	573101260204	573056626743	573037625406	573020752261	573006370224	
(576)	572377745044	572370316555	573012717464	573003022030	207474000000	207504000000	217526140000	203600000000	
(624)	574321012314	574221240315	574113126577	574012426011	573317136631	573223116252	573130543322	573102463713	
(672)	573056474121	573040211270	573021131722	573006011155	572377743276	572370250602	573011375250	573002546235	
(720)	207474000000	207504000000	217527100000	203700000000	574323022300	574217675010	574120126432	574010242604	
(768)	573314610575	573221214535	573127245620	573144071203	573061426240	573037365222	573020172345	573005723657	
(816)	572377646255	572370212330	573010273176	573002723462	207474000000	207504000000	217530040000	204400000000	
(864)	574324536727	574217076222	574115253425	574017714701	573313322175	573213621341	573127215233	573220777674	
(912)	573122531317	573052642552	573023125642	573006344016	572377646255	572370072464	573007126736	573003017050	
(960)	207474000000	207504000000	217531000000	204440000000	574321632245	574223222625	574113650676	574010016710	
(1008)	573323430340	573222374457	573127132717	573133750723	573061701652	573040400676	573021006037	573006332743	
(1056)	572377666576	572370045311	573006415567	573003042571	207474000000	207504000000	217531740000	204500000000	
(1104)	574322073364	574220213416	574116431502	574013663727	573313767160	573222703447	573124133064	573101127766	
(1152)	573056507301	573040170671	573021054600	573006424401	573000045031	572370235142	573006412312	573003562615	
(1200)	207474000000	207504000000	217532700000	204540000000	574324221400	574216761151	574117132477	574021532622	
(1248)	573320727751	573207417331	573125207666	573134102072	573071200052	573042421447	573021361343	573006465705	
(1296)	573000041572	572370211104	573006263407	573003135045	207474000000	207504000000	217533640000	204600000000	
(1344)	574321055042	574222066557	574113302752	574013714646	573321342071	573224730034	573154213650	573155542004	
(1392)	573131554267	573101465412	573042363352	573014464247	573000613104	572370110120	573005470031	573002342576	
(1440)	207474000000	207504000000	217534600000	204640000000	574322136556	574217717276	574117040445	574012627330	
(1488)	573313707020	573223121263	573130547363	573123443356	573126156506	573112600036	573052322757	573031414350	
(1536)	573012161261	572370714417	573004575069	573002364240	207474000000	207504000000	217535540000	204700000000	
(1584)	574325653416	574217214440	574116636676	574017162314	573307172743	573226077573	573204604546	573222031754	
(1632)	573253644242	573142221770	573107512363	573071217761	573073200747	573040710406	573006076731	573002155402	
(1680)	207474000000	207504000000	217536500000	204740000000	574324701146	574217123725	574107565340	574002221115	
(1728)	573317562067	573263263746	573252167505	573254654320	573222751561	573156350006	573130704050	573105640372	
(1776)	573054723336	573007453576	573004164755	573004534466	207474000000	207504000000	217537440000	205400000000	
(1824)	574324764274	574220035522	574113462502	573377145077	573315166564	573253147212	573231631110	573244306257	
(1872)	573215577120	573171323050	573170540125	573117421314	573062556070	573006555227	573004737114	573012175743	
(1920)	207474000000	207504000000	217540400000	205420000000	574326036623	574215050511	574114064750	574013401455	
(1968)	573307312364	573213626751	573164146657	573205636754	573170175320	573147212677	573135103622	573107200410	
(2016)	573046367557	572375541626	573006151774	573012545114	207474000000	207504000000	217541340000	205440000000	
(2064)	574325047003	574217100301	574105730443	573376706170	573320020255	573220504302	573145717737	573142652652	
(2112)	573157261365	573132107111	573127106003	573110714245	573022540667	572370203023	573011442646	573013226527	
(2160)	207474000000	207504000000	217542300000	205460000000	574325254000	574217115117	574113471417	574001660347	
(2208)	573313766577	573221611771	573172617015	573162672133	573143323561	573123336401	573105556636	573067250231	
(2256)	573040160254	572373344354	573013363012	573015124067	207474000000	207504000000	217543240000	205500000000	
(2304)	574326517626	574215243421	574113531730	573377537514	573313670127	573217417220	573226037637	573213243310	
(2352)	573170513440	573143127622	573114326730	573060645332	573112362174	572371404322	573012603253	573012261140	

91

FILE	1	RECORD	79	LENGTH	960BYTES				
(0)	207474000000	207554000000	217512740000	213606200000	574303325165	574202223711	574125205002	574045100134	
(48)	573333434067	573234761076	573143314106	573106735254	573065770752	573047403345	573030122572	573035141144	
(96)	573045555274	573163364637	573017461337	573017286201	207474000000	207554000000	217513700000	213606400000	
(144)	574304667631	574202442006	574125440571	574041557753	573333247211	573240740713	573154607545	573134614353	
(192)	573110643522	573064430060	573043373341	573072720747	573106611205	573013167557	573016400007	573000000000	

(336)	573022023211	573046177030	573017170413	573022454142	207474000000	207554000000	217515600000	213607000000
(384)	574305134236	574203671272	574125754314	574044423673	573331500071	573242476025	573210313711	573172352446
(432)	573140344610	573106131652	573047505771	573054403632	573115654125	573300127156	573100622172	573022750233
(480)	207474000000	207554000000	217516540000	213607200000	574304556202	574203414512	574125444114	574041265230
(528)	573333450762	573246355752	573156155121	573115263214	573073370734	573061062760	573046247455	573064221044
(576)	573110500155	573267601407	573110037400	573024347022	207474000000	207554000000	217517500000	213607400000
(624)	574303565537	574202122235	574124111650	574044707604	573332721234	573244676771	573200623066	573122436526
(672)	573066025331	573047377727	573030351740	573133065302	573115340676	573156531707	573021223552	573022233543
(720)	207474000000	207554000000	217520440000	213607600000	574304521426	574202551601	574126024501	574043727503
(768)	573326322512	573237763726	573155656715	573126475271	573101544747	573056214665	573040557030	573075106311
(816)	573105256240	573007634104	573017754206	573021125413	207474000000	207554000000	217521400000	213610000000
(864)	574304241437	574203022772	574125247660	574042552053	573332774716	573237517774	573145526017	573107356522
(912)	573066353471	573047554643	573030570766	573016544151	573013520001	573001166321	573014565706	573017416070

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
	RECS.			INPUT	SIZE	PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	79	80	2400	0	0	0	0	0	0

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

START TIME 02/05/82 10:02:50 STOP TIME 02/05/82 10:03:08

ISEE 1

ELECTRON PROTON - LBR SECTOR

77-102A-09F SPMS-00035

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
-----	-----	-----	-----	-----
DR005360	DS005360	D046425	1 - 2	03/22/79 - 04/01/79

REQ. AGENT
LSM

RAND NO .
V0144

ACQ. AGENT
DMS

ISEE 1

ELECTRON AND PROTON LBR SECTOR

77-102A-09F

This data set catalog consists of 1 magnetic tape. The tape is 9 track, 1600 BPI, binary with 2 files of data. The tape was created on an CDC 6600 computer. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-46425	C-21697	3/22/79, 3/31/79, 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 99-10211-09F

DATE DATA RECEIVED: 1/18/82

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:	<u>1 mag tape</u>

SATELLITE NAME/NSDF NAME: see 1

EXPERIMENT NAME: _____

DATA SET FULL NAME: electron + proton LBR sector

CONTACT: _____ ACQUISITION SCIENTIST: _____

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: _____

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

ACCESSION UNIT NUMBERS: DD-46429 C-21677

REMARKS: <u>CDAW</u>	<u>1600, Bix, odd file 2 files</u> <u>3/22</u> <u>3/31 1979</u> <u>4/1</u>
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DATA RECEIPT NOTIFICATION SENT?

Moran
DATA TECHNICIAN

Date Jan 17

NSDDC ID 77-1029-9F

CDAW DATA SET ENTRY

Date Rcvd : Jan 17 EDB : pl

Data Sent By : T. Fritz

Material Rcvd : 1 tape

Satellite/NSRF Name : ISEE 1

Data Set Name : Electron and Proton ^{Peak} Fluxes

New Data Set Additions Replacements
Comments _____

Time Coverage : _____

Tapes To be Returned to : _____

Completed By : M. Teague

(2832)	000000000000	000000000000	000000000000	000000000000	004500000000	000000000004	000000000000	000000020000
(2880)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2928)	000000000000	000000000002	000000000000	000000000000	000000000000	000000000000	000000010000	000000000000
(2976)	000000010000	000000000000	000300000000	000000000001	000000000000	000000020000	000000000000	000000000000
(3024)	000000000000	000000000000	000000000000	00000000743	131100000000	000000052674	000000000000	000000000000
(3072)	000000000004	445200000000	000000000000	000000000000	000000000000	000000000000	000000000000	000033270000
(3120)	000000000000	000000010000	000000000000	000400000000	000000000002	000000000000	000000000000	000000000010
(3168)	000100000000	000000000000	000000000000	000000320000	000000000000	000100000000	000000000000	000000000000
(3216)	000000020000	000000000000	000200000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3264)	000000000010	000000000000	000000200000	000000000000	000500000000	000000000006	000000000000	000000010000
(3312)	000000000000	000000000000	000000000002	000000000000	000000010000	000000000000	002100000000	000000000001
(3360)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000010000	000000000000
(3408)	000000000000	000000000000	000000000000	074313110000	000000000005	274000000000	000000003303	000000000000
(3456)	000444520000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000100000000
(3504)	000000000004	000000000000	000000030000	000000000000	000000000000	000000000001	000000000000	000000030000
(3552)	000000000000	000200000000	000000000043	000000000000	000000020000	000000000000	000100000000	000000000000
(3600)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3648)	000000000000	000000000002	000000000000	000000060000	000000000000	000300000000	000000000000	000000000000
(3696)	000000030000	000000000000	000100000000	000000000001	000000000000	000000150000	000000000000	000100000000
(3744)	000000000001	000000000000	000000000000	000000000000	000200000000	000000000001	000000000000	000000000000
(3792)	000000000000	000000000000	000007431311	000000000000	000530050000	000000000000	331500000000	000000044441
(3840)	000000000000	000000000000	000000000000	000000000000	000000000001	000000000000	000000040000	000000000000
(3888)	000600000000	000000000002	000000000000	000000020000	000000000000	000000000000	000000000002	000000000000
(3936)	000000000000	000000000000	003000000000	000000000003	000000000000	000000020000	000000000000	000100000000
(3984)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000001	000000000000	000000150000
(4032)	000000000000	002400000000	000000000026	000000000000	000000060000	000000000000	000200000000	000000000000
(4080)	000000000000	000000000000	000000000000	000200000000	000000000041	000000000000	000000020000	000000000000
(4128)	000200000000	000000000000	000000000000	000000020000	000000000000	000100000000	000000000001	000000000000
(4176)	000000000000	00000000743	131100000000	000000053051	000000000000	000033450000	000000000004	444100000000
(4224)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000003	000000000000	000000060000
(4272)	000000000000	000300000000	000000000001	000000000000	000000000000	000000000000	000000000000	000000000000
(4320)	000000000000	000000450000	000000000000	000400000000	000000000002	000000000000	000000010000	000000000000
(4368)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000002	000000000000
(4416)	000000040000	000000000000	000300000000	000000000006	000000000000	000000000000	000000000000	000200000000
(4464)	000000000002	000000000000	000000010000	000000000000	001600000000	000000000003	000000000000	000000000000
(4512)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	104	104	3420	0	0	0	0	0	0

FILE	2 RECORD	127 LENGTH	4560 BYTES
(0)	000000000000	074313230000	000000000005
(48)	000000000000	000000000000	126700000000
(96)	000002140000	000000000000	000000000003
(144)	000000000540	000000000000	000002060000
(192)	000000000000	000200000000	000000000001
(240)	000000000000	000015540000	035400000000
(288)	000100000000	000000000000	000005300000
(336)	000000220000	000000000000	000000000000
(384)	000007431323	000000000000	000513330000
(432)	000000000000	000000000000	00000001067
(480)	000000000000	000000100000	000200000000
(528)	050600000000	000000000210	000000000000
(576)	000000010000	000000000000	000000000000
(624)	000000001237	000000000000	000003040000
(672)	000000000000	000000000000	000000000543
(720)	000000000000	000000040000	000100000000
(768)	132300000000	000000051400	000130000000
(816)	000000000000	000000000000	105000000000
(864)	000000000017	000000000000	000000020000
(912)	000000000000	021600000000	000000000100
(960)	000000000000	000000000000	000000000000
(1008)	163400000000	000000000402	000000000000

ISEE 1

MEDIUM ENERGY PARTICLES (MEPI)

77-102A-09G SPMS-00298

THESE DATA SETS HAVE BEEN RESTORED. THERE WAS ORIGINALLY ONE 9-TRACK, 1600 BPI TAPE, WRITTEN IN ASCII. 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
DR006162	DS006162	D063553	1	04/24/79 - 04/24/79

REQ. AGENT
GLS

RAND NO.
V0257

ACQ. AGENT
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:

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

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

$$\begin{aligned} \text{LBR: } j(\text{protons/cm}^2 \text{ sec ster keV}) &= 353.7/\Delta E \times \text{counts/sector} \\ \text{HBR: } j(\text{protons/cm}^2 \text{ sec ster keV}) &= 707.3/\Delta E \times \text{counts/sector} \end{aligned}$$

where ΔE = the channel width in keV.

Electrons

$$\begin{aligned} \text{LBR: } j(\text{electrons/cm}^2 \text{ sec ster keV}) &= K_{\text{lbr}} \times \text{counts/sector} \\ \text{HBR: } j(\text{electrons/cm}^2 \text{ sec ster keV}) &= K_{\text{hbr}} \times \text{counts/sector} \end{aligned}$$

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) \times 12 (spins). For high bit rate (HBR), the dimensions are 16 (sectors) \times 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) \times 12 (spins) \times 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) \times 12 (spins) \times 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; P10, P1e, E10, 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,
IHEAD(2)	DD - day (Julian)	sector 1 in an up scan and spin
IHEAD(3)	HH - hour	13 sector 1 in a down scan.
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) \times 12 (spin) \times 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) \times 12 (spin) \times 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:

<u>Particle Record</u>	<u>Type</u>	<u>Channels</u>
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

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

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

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

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

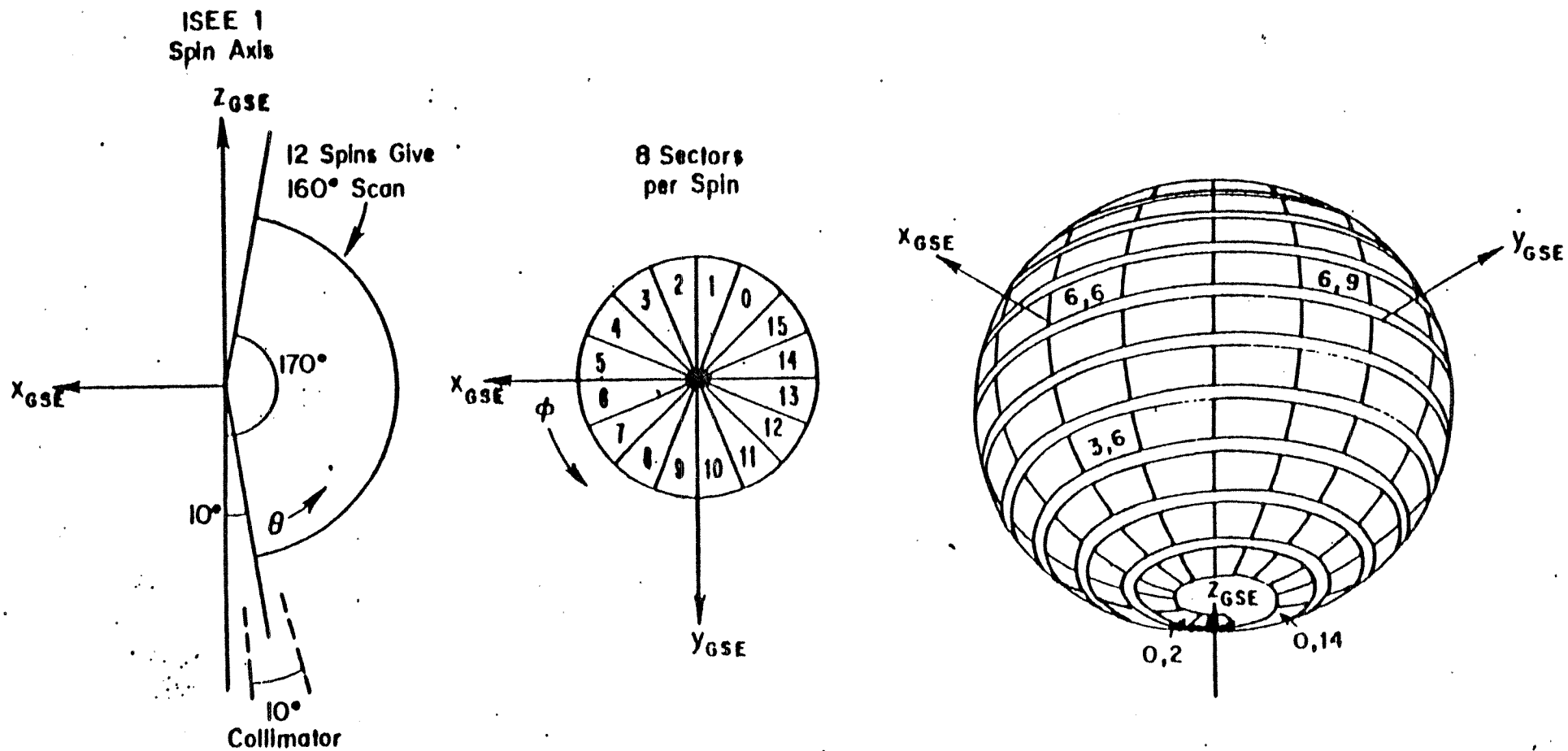
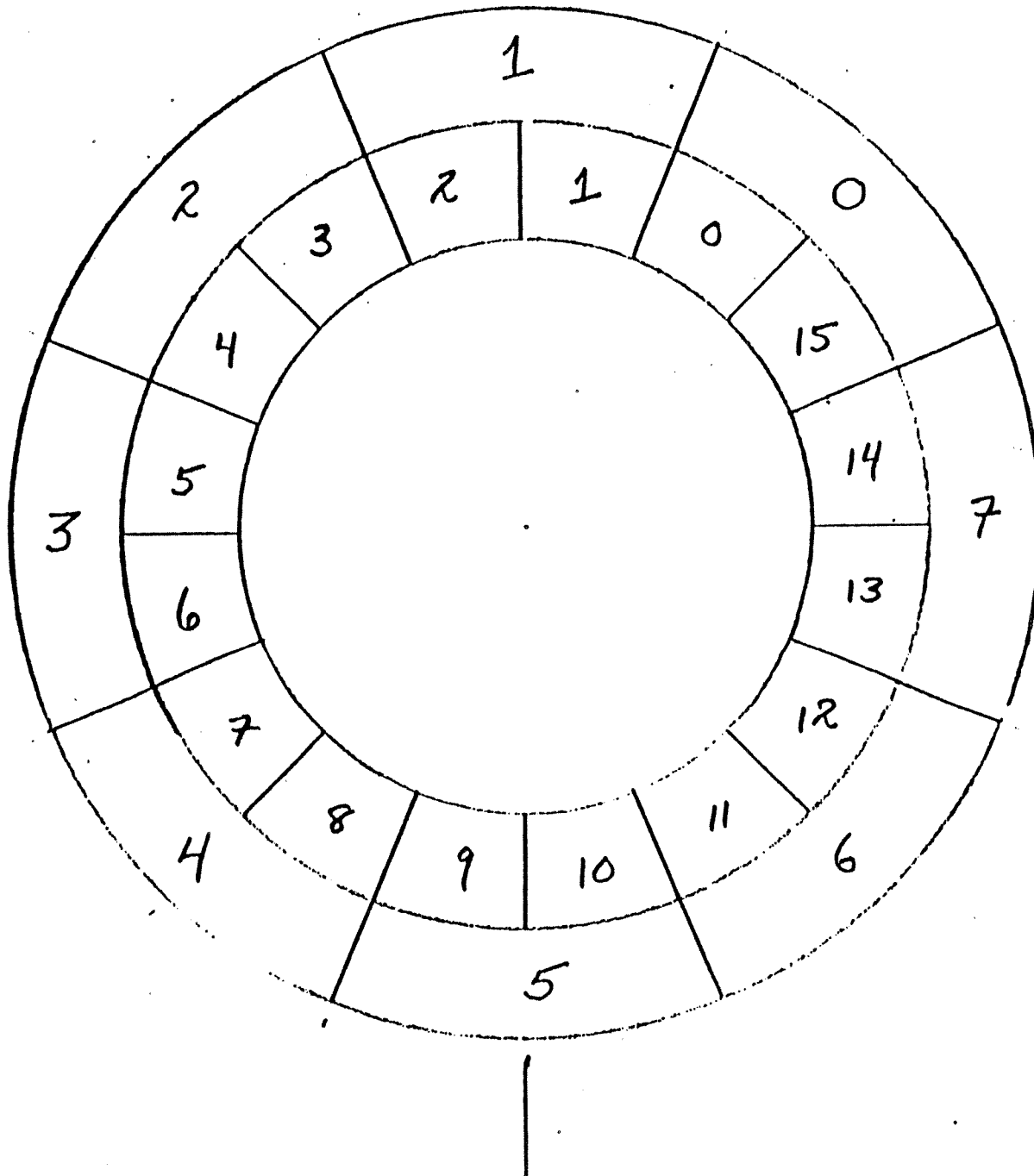


Figure 1 - MEPI 3-D sampling schematic.
M, N on sphere gives spin#,
sector #.

1. $\Delta u = 2.$

LBIC AND INDICATOR 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	1
2	1	2	2	1	0	0	1	1	0	0	0	0	2	0	0	1
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
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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	0	0	0
10	2048	1536	1088	704	416	240	112	56	30	7	5	2	2	0	0	0	0	
9	44	96	208	448	768	1152	1600	2176	2560	2944	3200	3456	3328	3200	2944	-1	0	
8	0	0	2	2	1	1	2	1	768	0	1	1	0	3	6	13	0	
7	0	2	1	0	2	1	2	3	2	0	0	0	0	0	0	0	0	
6	2	0	1	1	0	1	6	4	0	2	1	1	0	3	0	1	0	
5	1	0	0	0	4	1	9	6	0	5	2	2	0	0	0	0	0	
4	0	1	1	1	7	7	12	7	6	8	5	4	2	2	1	0	0	
3	1	2	2	1	4	11	9	7	12	9	6	3	3	1	2	2	0	
2	1	2	3	2	4	3	11	11	3	7	8	4	5	9	2	1	0	
1	1	5	4	4	5	8	7	11	6	6	3	11	11	9	6	1	0	
0	3	2	5	6	8	5	6	4	9	12	7	4	13	4	1	2	0	

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	0	0
10	1728	2304	2816	3072	3328	3584	3584	3584	3584	3328	2944	2688	2176	1728	1280	7	0
9	0	0	0	1	2	1	4	5	15	30	72	136	288	496	832	12	0
8	0	0	0	0	0	0	0	1	8	0	0	0	0	0	0	1	0
7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
6	0	0	0	0	0	1	2	0	0	2	2	0	0	2	0	0	0
5	0	0	0	0	1	1	3	0	0	4	3	0	0	0	0	0	0
4	0	1	0	0	1	0	3	1	0	7	4	0	1	-1	1	0	0
3	0	0	2	0	0	0	1	3	0	6	1	0	0	0	0	0	0
2	0	1	2	0	0	3	0	1	3	0	2	1	1	1	1	0	0
1	1	2	2	2	0	0	1	1	0	3	1	2	0	1	0	0	0
0	0	-1	0	2	2	1	0	3	3	0	2	1	0	1	1	0	0

SECTOR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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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	0	1	1	0	3
10	1	1	1	1	0	2	2	1	0	2	0	0	0	1	2	1	0	0	1	2	1
9	50	23	60	30	23	19	7	5	12	1	2	1	6	0	1	4	0	0	1	2	1
8	4608	3840	3200	2304	1920	1536	1088	800	800	464	432	216	216	184	112	76	0	0	1	2	1
7	30720	32768	32768	29696	26624	24576	22528	20480	17408	16384	13924	11776	10240	7936	6912	6378	0	0	1	2	1
6	69632	69632	65536	63488	61440	59392	47104	18432	12208	11264	1728	336	43008	40960	36864	31744	0	0	1	2	1
5	86016	86016	86016	81920	81920	81920	69632	69632	65536	69632	69632	65536	73728	73728	73728	69632	0	0	1	2	1
4	77824	77824	81920	81920	81920	81920	81920	81920	86016	86016	86016	86016	86016	86016	86016	86016	0	0	1	2	1
3	51200	53248	55296	55296	57344	59392	61440	63488	65536	65536	69632	69632	73728	73728	77824	77824	0	0	1	2	1
2	19456	20480	21504	23552	24576	26624	29696	30720	34816	34816	36864	40960	40960	45056	45056	49152	0	0	1	2	1
1	2816	3328	3840	4608	5376	5888	6144	7168	8192	8704	10240	11264	12800	14336	15872	17408	0	0	1	2	1
0	1024	992	960	1152	1344	1408	1280	1472	1344	1600	1600	1984	2048	2304	2432	2432	0	0	1	2	1

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

SECTOR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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EXAMPLE OF INTERFERENCE FROM HARVEY EXPERIMENT

OPEN(1, RECL=6144, FORM='FORMATTED',
BLOCKSIZE=6144, TYPE='OLD', READONLY)
DO WHILE (ISTOP.EQ.0)

OPEN THE ISEE TYPE FILE

1 OPEN(1, RECORDTYPE='VARIABLE', RECL=6144, FORM='FORMATTED',
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)

001 FORMAT(8I4, 26F10.2)

002 FORMAT(96F5.1)

004 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)

005 FORMAT(192F5.1)

END IF

END DO

300 CONTINUE

END

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 1

DC ELECTRIC FIELD DRD DATA

77-102A-11B SPMS-00623

DC ELECTRIC FIELD HRDD DATA

77-102A-11C SPMS-00033

This data set catalog consists of 3 tape(s). The tape(s) are 9 track, 1600 bpi, ebcdic with 1 file(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47315	C-22107	3/22/79, 3/31/79, 4/1/79 (DRD)
D-47316	C-22108	3/22/79, 3/31/79, 4/1/79 (DRD)
D-47317	C-22109	3/22/79, 3/31/79, 4/1/79 (HRDD)

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102A-11B

DATE DATA RECEIVED: 2/25/82

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:	2 mag Tapes

SATELLITE NAME/NSDF NAME: Case - 1

EXPERIMENT NAME: _____

DATA SET FULL NAME: DC Electric Field Rad Data

CONTACT: _____ ACQUISITION SCIENTIST: BMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

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

ACCESSION UNIT NUMBERS: DD 47515, 16 6-22107, 158

REMARKS: 1600 Ebedic odd 9trk 1 file
3/22
3/31
4/1

CDAW

DATA RECEIPT NOTIFICATION SENT?

Judith M. ...

DATA TECHNICIAN

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-107 H-11C

DATE DATA RECEIVED: 2/25/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: Isis 1

EXPERIMENT NAME: _____

DATA SET FULL NAME: DC Electric field HKDD Data

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 47311 C-22101

REMARKS: <u>CDAW</u>	<u>1600 Ebedic odd 9trk 1 file</u> <u>3/22</u> <u>3/31 1979</u> <u>4/1</u>
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DATA RECEIPT NOTIFICATION SENT?

Moran

DATA TECHNICIAN

Date 2/24/88
NSSDC ID 77-102A-11B

CDAW DATA SET ENTRY

Date Rcvd : _____ EDB : 06

Data Sent By : T. Aggson

Material Rcvd : 3 tapes

Satellite/NSRF Name: DRD DC Electric Field (2 tapes)

Data Set Name: HRDD DC Electric Field (1 tape)

New Data Set Additions Replacements

Comments _____

Time Coverage : _____

Tapes To be Returned to : _____

Completed By : Ellen Teague

541

ISEE 2
FAST PLASMA
77-102B-01G SPHE-00464

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
-----	-----	-----	-----	-----
DR005362	DS005362	D047126	1	03/22/79 - 03/22/79

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 2
FAST PLASMA
77-102B-01G

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

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47126	C-22018	3/22/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102B-019 DATE DATA RECEIVED: 12/30/81
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: Ulls 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: Fast Plasma

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DP

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

ACCESSION UNIT NUMBERS: D 47126 C 22018

REMARKS:	<u>1600 Bin odd 9th 1 file</u> <u>3/22/79</u> <u>CDAW</u>
----------	---

DATA RECEIPT NOTIFICATION SENT? Linda Moran
DATA TECHNICIAN

Date Dec 28

NSDDC ID 77-102B-01H

CDAW DATA SET ENTRY

Date Rcvd : Dec 27 CDB : fb

Data Sent By : E. Hones

Material Rcvd : 1 tape and documentation

satellite/NSDF Name : ISEE 2

Data Set Name : Fast Plasma

New Data Set Additions Replacements
Comments Appear similar to Hones's data for CDAW 4

Time Coverage : 0600^h - 1700^h UT Mar 22 1979

Tapes To be Returned to : _____

Completed By : M. Teague

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE: 17 December 1981
IN REPLY REFER TO: ESS-8:81-184
MAIL STOP: 438
TELEPHONE: 7-4727

Dr. James Vette
NSSOC
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

Dear Jim:

I am sending you a tape containing data from the Los Alamos /
MPI 2-D analyzer on ISEE 2 for 0600 - 1700 UT, March 22,
1979 as input for CDAW-6. The format of the tape is
enclosed therewith.

Sincerely,



Edward W. Hones, Jr.

EWH/st

CY: CRMO (2), MS 150

HONES' TAPE

DATA: ISEE 2
 March 22, 1979 0600 - 1700 UT
 Twenty sets of twenty-two "data type" cycles

TAPE: CDC 60-bit floating point words
 Nine track 1600 BPI Binary

FORMAT: Twenty-two records per data cycle
 Variable length records ($16 \leq \text{length} \leq \text{seventy-four words}$)

DEFINITION OF 22 "DATA TYPE" CYCLES:

Data type 1: Word 1 - Day of year
 Word 2 - Year (79)
 Word 3 - Radius (earth radii)
 Word 4 - Solar ecliptic latitude (degrees)
 Word 5 - Solar ecliptic longitude (degrees)
 Word 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
 Word 16 - Zero

Data type 2: Electron time array (seconds)

Data type 3: Total electron temperature (log base 10) (degrees - k)

Data type 4: Above 100 ev electron temperature (log base 10) (degrees - k)

Data type 5: Total electron density (log base 10) (cm^{-3})

Data type 6: Above 100 ev electron density (log base 10) (cm^{-3})

Data type 7: Total electron pressure (log base 10) (dynes/cm^2)

Data type 8: Above 100 ev electron pressure (log base 10) (dynes/cm^2)

Data type 9: Total electron average energy (log base 10) (EV)

Data type 10: Above 100 ev electron average energy (log base 10) (EV)

Data type 11: Magnitude of total electron flow (log base 10) (km/sec)

Data type 12: Magnitude of above 100 ev electron flow (log base 10) (km/sec)

Data type 13: Direction of above 100 ev electron flow (degrees)

Data type 14: Direction of total electron flow (degrees)

Data type 15: Proton time array (seconds)

Data type 16: Proton temperature (log base 10) (degrees - k)

Data type 17: Proton density (log base 10) (cm^{-3})

Data type 18: Proton pressure (log base 10) (dynes/cm^2)

Data type 19: Proton average energy (log base 10) (EV)

Data type 20: Magnitude of proton flow (log base 10) (km/sec)

Data type 21: Direction of proton (degrees)

D-47126

DUMP OF TAPE X406

INPUT TAPE X406 ON 811
DATA INPUT 17 FL 1 1 SIDE

FILE	1	RECORD	81	1	LENGTH	1600BYTES	79						
(	0)	172650400000	00000000	1726	474000000000	0000	17244362	420514414306	172245622061	705622166050	306743503044		
(	45)	475769533722	107270042633	605507130273	240625351720	571154216054	166360561414	346474726352	605030731616				
(	76)	331463046053	372210660406	010760550643	127162702122	605737521334	555633111716	773246103153	432060542626				
(	144)	110647573067	000000000000	00000000									

EOJ STOP REQUESTED IN FILE 1

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

START TIME 01/08/82 10:22:04 STOP TIME 01/08/82 10:22:14

77-102B-016

ISEE 2

SOLAR WIND ION COUNT RATES, TAPE

77-102B-02B SPMS-00293

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 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
-----	-----	-----	-----	-----
DR005080	DS005080	D046906	1	03/22/79 - 04/01/79
		D063846	2 - 3	04/24/79 - 05/11/80

REQ. AGENT
LSM

REQ. NO.
V0144

ACQ. AGENT
DMS

ISEE 2
SOLAR WIND IONS
77-102B-02B

This data set catalog consists of 2 tapes. The tapes are 9 track, 1600 BPI, binary with 2 files of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-46906	C-22972	3/22/79,3/31/79,4/1/79
D-63846	C-24091	4/24/79,5/11/80

* These tapes were created on an IBM 360 computer.

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 44-102B-028 DATE DATA RECEIVED: 12/10/81
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: SEE 4

EXPERIMENT NAME: _____

DATA SET FULL NAME: DATA UNIT DMS

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 40906 C-21972

REMARKS:	<u>1000 Bix odd 9th file</u> <u>3/22</u> <u>3/31</u> <u>4/1</u>
----------	--

CDAW

DATA RECEIPT NOTIFICATION SENT?

Linda Mason
DATA TECHNICIAN

Date Dec 8, 1981
NSSDC ID 77-102B-02

CDAW DATA SET ENTRY

Date Rcvd : Dec 1, 1981 EDB: JE

Data Sent By : Orsini/Canditi CNR Frascati

Material Rcvd : 1 1600-bpi magnetic tape

+ notes

Satellite/NSRF Name: ISEE 2

Solar Wind Ions

Data Set Name : _____

New Data Set Additions Replacements

Comments _____

Time Coverage : 79/081/06/02 - 79/081/18/00
79/090/12/00 - 79/091/06/00

Tapes To be Returned to : _____

Completed By : Ellen Teague

ISSUE 2 PLASMA EXPERIMENT FILE

HP 1000 TAPE 1400 BPI

DATA FOR TWO PERIODS

- 1979 DAY 81 0602-1800 UT

- 1979 DAY 90 1200 UT - DAY 91 0600

FORMAT

PHYSICAL RECORDS = A (60, 33) MATRIX

A(1,1) = 1 LOW BIT RATE
2 HIGH BIT RATE

A(2,1) YEAR
3 DAY
4 HOUR
5 MIN
6 SEC

A(27,1) DIRECTION OF PLASMA FLOW
28 VELOCITY
29 THERMAL VELOCITY
30 DENSITY

$A(1, 2)$

= COUNT RATES OVER FOUR QUADRANT FOR 64 ENERGY BINNINGS

$A(4, 2)$

$A(1, 3)$

= ENERGY SAMPLED (eV)

$A(4, 3)$

$A(1, 4)$

$A(4, 4)$

= FOUR QUADRANT RESOLUTION COUNT RATES

$(1, 3)$

$A(4, 3)$

$A(i, j)$

$i = 1, 64$
 j even

LOW BIT RATE COUNT RATES

j odd \Rightarrow ZEROES

$A(i, j)$

$i = 1, 64$
 j all

HIGH BIT RATE COUNT RATES

DOUBLED ANGULAR RESOLUTION

A(i,j)

i = 1, 64
j = 1, 27

SUN SECTORS
FINE RESOLUTIONS
(5.8° LOW BIT RATE
2.9° HIGH BIT RATE)

A(i,j)

i = 1, 64
j = 28, 33

OTHER SECTORS
COARSE RESOLUTION
(90° LOW BIT RATE
45° HIGH BIT RATE)

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102B-02B DATE DATA RECEIVED: 08/01/84
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

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

SATELLITE NAME/NSDF NAME: ISEE 2
EXPERIMENT NAME: _____
DATA SET FULL NAME: SOLAR WIND IONS
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 63846 C 24091

REMARKS:
CDAW ID I202

DATA RECEIPT NOTIFICATION SENT?

Gail Schneider
DATA TECHNICIAN

CDAW DATA SET ENTRY

Date 8/1/84

Date Received 7/30/84 CDB 7 Sent By M. Candidi

Material Received 1 Magnetic tape; 2 pp. Documentation

NSSDC ID 77-102B-02B New Additional Replacement

NSSDC Data Set Name _____

CDAW ID I202 New Additional Replacement

CDAW Data Set Name Solar Wind Ions

Time Coverage 1979/114/0800-1400 1980/132/0400-1200

Comments: The PI is Orsini and the Participant is Candidi; Candidi is temporarily available locally and can answer questions. The Original CDAW 6 data set was handled by NJS. It needs decommutating.

Tapes to be Returned to: _____

DD Number DD 63846 X Number X-737

Initiated by Ellen Stemmer

Additional Information Supplied by _____

CN INFORMATION

To facilitate the loading of data into a WSP 2.0 data base, please supply the following information. Fill out one form for each data set to be loaded.

CN name, CE name, and library location CN 39; CE I202

Author of CN, CE routines NJS for CDAW 6

Uniques routines called by this CN, should be cataloged with the CN _____

Experiment name Solar Wind Ions NSSDC ID 77-102B-02B

Scientist handling experiment M. Candidi for Orsini/Candidi

Data set mnemonic I202 Total # of items to be loaded _____

List of item #'s to be loaded Selected parameters were loaded for CDAW 6

Tape #	# of files	# of tracks	density	start/stop time
X-737	2		1600	79/114/ 0800-1400 80/132/ 0400-1200

Typical data point separation _____

Minimum data point separation _____ Total # of points _____

Any other information Decommutated

Procedures were written for CDAW 6; May want to contact Candidi for visit after loading.

Consiglio Nazionale delle Ricerche
ISTITUTO DI FISICA DELLO SPAZIO
INTERPLANETARIO
P.O.Box 27, 00044 Frascati, ITALY
TEL.06-9423801, TX.610261 CNRFRA

FRASCATI 4. 7.84

ORSINI/CANPID

CDAW 7

to:
Mr. D. Sawyer
Code 601
NASA
Goddard Space Flight Center
Greenbelt, Maryland 20771
USA

Dear Don:

please find enclosed the tape with the Frascati plasma experiment data for CDAW 7. The format of the tape is as usual in the form of records with A(64,33) arrays, each one for a single successive sample in time. Numbers in column 1 are:

A(1,1)=1 Low Bit Rate A(1,1)=2 High Bit Rate
A(2,1)= year
A(3,1)= day (1 is Jan 1st)
A(4,1)= hour
A(5,1)= minute
A(6,1)= second
A(19,1)= XSE
A(20,1)= YSE
A(21,1)= ZSE
 A(26,1)=0 High Time Resolution (HTR)
 A(26,1)=1 Wide Energy Scan (WES)

Numbers in column 2 are the sums of the solar angular sectors counts, they represent the count rates in the solar quadrant.

Numbers in column 3 are the values of the energy in the 64 steps.

Numbers in columns 4 to 27 are the count rates in the single solar fine sectors (2.8 degrees in High Bit Rate, 5.6 degrees in Low Bit Rate; they are all significant in High Bit Rate, while every other is zero in Low Bit Rate). Numbers in columns 28 to 33 are the count rates in the wide non solar sectors (with the same convention as for the solar sectors).

Differential fluxes F can be computed from the count rates C , through the usual formula $F=C*k/E*d$, where $k=1.82*10^{**9}$, E is the energy in eV, as given in column 3, and d is the angular width of the sector (2.8 or 5.6 for the solar sectors, and 45 or 90 for the non solar sectors).

The two files refer to the two events, 1979, day 114, and 1980, day 132.

Best regards,

M. Candidi
(M. Candidi)

```
$END DO
$LDI
$ASS SI USL
$REW SI
$NOP
$EXEC SED,,NOLO
LDI
```


ISEE 2

GSE/GSM MAG. VECTORS 1 MIN. AVG.

77-102B-04G SPMS-00114

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 1000 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
-----	-----	-----	-----	-----
DR005319	DS005319	D046761	1 - 2	03/22/79 - 04/01/79

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 2

GSE/GSM MAGNETIC VECTORS - 1 MIN AVG

77-102B-04G

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:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-46761	C-21928	3/22/79, 3/31/79, 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 77-102B-04G

DATE DATA RECEIVED: 11/18/81

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:	<u>1 Mag Tape</u>

SATELLITE NAME/NSDF NAME: ISEE 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: GSE/GSM MAGNETIC VECTORS - 1 MIN AVG

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 46761 C-2A28

REMARKS: <u>Anic</u> <u>CDAW</u>	<u>1600 Bin odd 90k 2 files</u> <u>3/22</u> <u>3/31</u> <u>4/1</u>
--	---

DATA RECEIPT NOTIFICATION SENT?

DA 4/1/81
ISEE 2

Junda Moran
DATA TECHNICIAN

Date 18 Nov. 81
NSSDC ID 77-102B-04(E)

CDAW DATA SET ENTRY

Date Rcvd : Nov. 16, 1981 EDB: 6

Data Sent By : Chris Russell

Material Rcvd : 1 Tape - 1600 BPI, 9 Track - binary
TYPE listing - (SSC 577)

Satellite/NORF Name: ISEE-2

Data Set Name : GSE/GSM MAGNETIC VECTORS - 4 MIN AVG

New Data Set Additions Replacements
Comments _____

Time Coverage : March 22, 31, April 1 1979

Tapes To be Returned to : Chris Russell
UCLA - IGPP - Space Labs

Completed By : D. Sawyer

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name SSC577 (ISEE-2 Data)		
2. Scientific Contact Dr. C.T. Russell		3. Telephone No. or Telex No. 825-3188
4. Address 6869 Slichter Hall, IGPP, UCLA		
5. City Los Angeles	6. State Calif.	7. ZIP Code or Country 90024
8. Programmer Contact K.J. Yamasaki		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1	2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi
3. No. of Files (per tape) 2	
4. No. of End of File Marks 1 between files & 2 at the end of data	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity odd	7. Make and Model of Computer Used to Generate Tape H.P. 1000
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) None	
10. What integer representation is used? 32 bit, one's complement. The first bit is the sign bit	
11. No. of Physical Records (per file) File 1: 12 Physical Records (Blocks) File 2: 18 Physical Records (Blocks)	
12. Are original tapes to be returned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) File 1: 1979 March 22 06:00 to March 22 17:59 File 2: 1979 March 31 12:00 to April 1 05:59	

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

A PHYSICAL RECORD (BLOCK) CONTAINS 60 LOGICAL RECORDS.
EACH LOGICAL RECORD CONTAINS 20 32-BIT BINARY INTEGERS.

WORD	1	...YEAR, E.G., 79	
WORD	2	...DAY OF YEAR, E.G., 031 (JAN 1 = 1)	
WORD	3	...MONTH OF YEAR, E.G., 3	
WORD	4	...DAY OF MONTH, E.G., 22	
WORD	5	...HOUR OF DAY, E.G., 18	
WORD	6	...MINUTE OF HOUR, E.G., 56	
WORD	7	...MAGNETIC FIELD VECTOR BX IN MILLICAMMAS	(GSE COORDINATES)
WORD	8	...MAGNETIC FIELD VECTOR BY IN MILLICAMMAS	(GSE COORDINATES)
WORD	9	...MAGNETIC FIELD VECTOR BZ IN MILLICAMMAS	(GSE COORDINATES)
WORD	10	...MAGNETIC FIELD MAGNITUDE BT IN MILLICAMMAS	
WORD	11	...POSITION VECTOR X IN UNITS OF 1/000 RE	(GSE COORDINATES)
WORD	12	...POSITION VECTOR Y IN UNITS OF 1/000 RE	(GSE COORDINATES)
WORD	13	...POSITION VECTOR Z IN UNITS OF 1/000 RE	(GSE COORDINATES)
WORD	14	...MAGNETIC FIELD VECTOR BX IN MILLICAMMAS	(GSM COORDINATES)
WORD	15	...MAGNETIC FIELD VECTOR BY IN MILLICAMMAS	(GSM COORDINATES)
WORD	16	...MAGNETIC FIELD VECTOR BZ IN MILLICAMMAS	(GSM COORDINATES)
WORD	17	...MAGNETIC FIELD MAGNITUDE BT IN MILLICAMMAS	
WORD	18	...POSITION VECTOR X IN UNITS OF 1/1000 RE	(GSM COORDINATES)
WORD	19	...POSITION VECTOR Y IN UNITS OF 1/1000 RE	(GSM COORDINATES)
WORD	20	...POSITION VECTOR Z IN UNITS OF 1/1000 RE	(GSM COORDINATES)

MISSING DATA ARE FILLED WITH -9999999 .

TIMES ARE IN UT.

EACH MAGNETIC DATA POINT IS AN AVERAGE OF 4-SECOND DATA
OVER A 60-SECOND INTERVAL WITH THE CLOCK MINUTE AS THE MID-POINT.

THE FOLLOWING IS THE COMPLETE DUMP OF THIS TAPE
PRINTED BY FORTRAN FORMAT: (1X,12, 14, 413, 1418).

INPUT TAPE X409 ON MT1
DATA INPUT HY. WE 2 FL 2 1 1

D-46761
3/22/79, 3/31/79, 4/1/79

FILE	1	RECORD	1	LENGTH	4	00BYTES					
(0)	0000004F	00000051	00000003	00000016	00000036	00000000	00002766	00001010	FFFFFF05A	00003-50	
(40)	FFFFFF00A	FFFFFF442	0000005C7	00002266	00001F0E	FFFFFFD14	0000385D	FFFFFFC00A	FFFFFF32E	FFFFFFC2E	
(80)	0000004F	00000051	00000003	00000016	00000036	00000001	000028E1	00001F0C	FFFFFF410	000034ED	
(120)	FFFFFF016	FFFFFF443	0000005C3	000022E1	00002205	FFFFFFE5C	000039ED	FFFFFFC1E	FFFFFF3E8	FFFFFFC30	
(160)	0000004F	00000051	00000003	00000016	00000006	00000002	000027AA	00001F14	FFFFFF5-3	0000343F	
(200)	FFFFFF021	FFFFFF43E	00000058F	000022AA	000020CC	00000070	0000343F	FFFFFFC021	FFFFFF3EA	FFFFFFC32	
(240)	0000004F	00000051	00000003	00000016	00000006	00000003	00002235	000017E0	FFFFFF72F	00002C36	
(280)	FFFFFF02D	FFFFFF43E	00000058E	00002255	00001562	00000046	00002036	FFFFFFC21	FFFFFF3EA	FFFFFFC35	
(320)	0000004F	00000051	00000003	00000016	00000006	00000004	00001076	00001633	FFFFFF714	000028F4	
(360)	FFFFFF032	FFFFFF43D	0000005E7	00001D76	000017E7	FFFFFFE0C	000025F4	FFFFFFC032	FFFFFF3E9	FFFFFFC37	
(400)	0000004F	00000051	00000003	00000016	00000006	00000005	00001031	00001594	FFFFFF607	000024E2	
(440)	FFFFFF044	FFFFFF43C	000000583	00001C31	000017AD	FFFFFFD86	000024E2	FFFFFFC044	FFFFFF3E9	FFFFFFC39	
(480)	0000004F	00000051	00000003	00000016	00000006	00000006	00001F7A	0000120F	FFFFFF485	0000263F	
(520)	FFFFFF04F	FFFFFF43B	0000005AF	00001F7A	0000154A	FFFFFFE60	0000260F	FFFFFFC04F	FFFFFF3E8	FFFFFFC33	
(560)	0000004F	00000051	00000003	00000016	00000006	00000007	000025FD	0000147A	FFFFFF34C	00002000	
(600)	FFFFFF05B	FFFFFF43A	0000005AB	000025FD	000017E7	FFFFFFAAF	00002000	FFFFFFC05B	FFFFFF3E8	FFFFFFC30	
(640)	0000004F	00000051	00000003	00000016	00000006	00000008	00002530	00001602	FFFFFF371	00002067	
(680)	FFFFFF067	FFFFFF439	0000005A7	00002530	000017AD	FFFFFFE9D	00002057	FFFFFFC067	FFFFFF3E7	FFFFFFC3F	
(720)	0000004F	00000051	00000003	00000016	00000006	00000009	00002077	000017EF	FFFFFF40A	00002A14	
(760)	FFFFFF072	FFFFFF438	0000005A4	00002079	00001A82	FFFFFFC82	00002A14	FFFFFFC072	FFFFFF3E7	FFFFFFC41	
(800)	0000004F	00000051	00000003	00000016	00000006	0000000A	0000105A	00001941	FFFFFF351	0000218F	
(840)	FFFFFF07E	FFFFFF437	0000005A0	00001D5A	00001C03	FFFFFFC3E	000020BF	FFFFFFC07E	FFFFFF3E8	FFFFFFC43	
(880)	0000004F	00000051	00000003	00000016	00000006	0000000B	0000102A	00001732	FFFFFF141	000020F2	
(920)	FFFFFF08A	FFFFFF436	00000059C	00001D2A	00001C22	FFFFFFFA23	000020F2	FFFFFFC08A	FFFFFF3E8	FFFFFFC45	
(960)	0000004F	00000051	00000003	00000016	00000006	0000000C	00001608	0000161F	FFFFFF060	000022CA	
(1000)	FFFFFF095	FFFFFF435	000000598	00001608	000019E4	FFFFFFE81	000022CA	FFFFFFC095	FFFFFF3E5	FFFFFFC47	
(1040)	0000004F	00000051	00000003	00000016	00000006	0000000D	000013F3	00001B55	FFFFFFC5A	00002726	
(1080)	FFFFFF0A1	FFFFFF434	000000594	000013F3	0000203E	FFFFFFE65	00002726	FFFFFFC0A1	FFFFFF3E5	FFFFFFC49	
(1120)	0000004F	00000051	00000003	00000016	00000006	0000000E	00002015	00001EAF	FFFFFF786	00003000	
(1160)	FFFFFF0AD	FFFFFF433	000000590	00002015	000024EC	FFFFFF2CD	00003800	FFFFFFC0AD	FFFFFF3E4	FFFFFFC45	
(1200)	0000004F	00000051	00000003	00000016	00000006	0000000F	00003304	00001DA7	FFFFFFE2C	00004031	
(1240)	FFFFFF0B2	FFFFFF432	00000058C	00003384	000023BF	FFFFFF2FE	00004031	FFFFFFC0B2	FFFFFF3E4	FFFFFFC40	
(1280)	0000004F	00000051	00000003	00000016	00000006	00000010	00002607	000008AE	FFFFFF35C	00002901	
(1320)	FFFFFF0C4	FFFFFF431	00000058E	00002607	00000C47	FFFFFFE01	00002901	FFFFFFC0C4	FFFFFF3E3	FFFFFFC4E	
(1360)	0000004F	00000051	00000003	00000016	00000006	00000011	00003495	000011B3	FFFFFF451	00003877	
(1400)	FFFFFF0D0	FFFFFF430	000000584	00003455	00001482	FFFFFFA98	00003277	FFFFFFC0D0	FFFFFF3E3	FFFFFFC51	
(1440)	0000004F	00000051	00000003	00000016	00000006	00000012	000028FC	00001259	FFFFFF583	00003009	
(1480)	FFFFFF0DC	FFFFFF42F	000000580	000028FC	000014F4	FFFFFFC76	00003009	FFFFFFC0DC	FFFFFF3C3	FFFFFFC53	
(1520)	0000004F	00000051	00000003	00000016	00000006	00000013	000029C2	000010F0	FFFFFF520	00002050	
(1560)	FFFFFF0E8	FFFFFF42E	00000057C	000029C2	00001329	FFFFFFA27	00002855	FFFFFFC0E8	FFFFFF3E2	FFFFFFC55	
(1600)	0000004F	00000051	00000003	00000016	00000006	00000014	00002200	00000012	FFFFFF43E	00002647	
(1640)	FFFFFF0F3	FFFFFF42D	000000578	00002200	00001023	FFFFFFE90	00002647	FFFFFFC0F3	FFFFFF3E2	FFFFFFC56	
(1680)	0000004F	00000051	00000003	00000016	00000006	00000015	00001093	000008BD	FFFFFF30F	000022A7	
(1720)	FFFFFF0FF	FFFFFF42C	000000574	00001093	00001215	FFFFFFF67	000022A7	FFFFFFC0FF	FFFFFF3E1	FFFFFFC58	
(1760)	0000004F	00000051	00000003	00000016	00000006	00000016	0000236E	00000F6C	FFFFFF477	0000234C	
(1800)	FFFFFF10B	FFFFFF42B	000000570	0000236E	00001242	FFFFFFFA1	0000204C	FFFFFFC10B	FFFFFF3E1	FFFFFFC5A	
(1840)	0000004F	00000051	00000003	00000016	00000006	00000017	00002015	00001195	FFFFFF75D	00002069	
(1880)	FFFFFF117	FFFFFF42A	00000056C	00002015	00001369	FFFFFFD58	0000206E	FFFFFFC117	FFFFFF3E0	FFFFFFC5C	
(1920)	0000004F	00000051	00000003	00000016	00000006	00000018	000032FC	00001494	FFFFFF70F	00003810	
(1960)	FFFFFF123	FFFFFF429	000000569	000032FC	00001617	FFFFFFE05	00003510	FFFFFFC123	FFFFFF3E0	FFFFFFC5E	
(2000)	0000004F	00000051	00000003	00000016	00000006	00000019	00003013	00001413	FFFFFF7FC	00003807	
(2040)	FFFFFF12F	FFFFFF429	000000565	00003013	00001594	FFFFFFE03	00003FD9	FFFFFFC12F	FFFFFF3E0	FFFFFFC60	
(2080)	0000004F	00000051	00000003	00000016	00000006	0000001A	000038F3	0000157E	FFFFFF7E1	000043E7	
(2120)	FFFFFF13B	FFFFFF428	000000561	000038F3	000016F5	FFFFFFF07	00004387	FFFFFFC13B	FFFFFF3DF	FFFFFFC62	
(2160)	0000004F	00000051	00000003	00000016	00000006	0000001B	00003053	00001706	FFFFFF598	00004342	
(2200)	FFFFFF147	FFFFFF427	00000055D	00003053	00001924	FFFFFFD55	00004342	FFFFFFC147	FFFFFF3DF	FFFFFFC63	
(2240)	0000004F	00000051	00000003	00000016	00000006	0000001C	000043F3	00001F26	FFFFFF50C	0000490F	

(2760)	FFFFF662	FFFFF694	FFFFFB3D	FF676981	FF676981	FF676981	FF676981	FFFFF662	FFFFF359	FFFFF481
(2800)	0000004F	00000051	00000003	00000016	00000011	00000023	FF676981	FF676981	FF676981	FF676981
(2840)	FFFFF696	FFFFFA97	FFFFFB3C	FF676981	FF676981	FF676981	FF676981	FFFFF696	FFFFF362	FFFFF486
(2880)	0000004F	00000051	00000003	00000016	00000011	00000024	FF676981	FF676981	FF676981	FF676981
(2920)	FFFFF6A8	FFFFFB5D	FFFFFB3E	FF676981	FF676981	FF676981	FF676981	FFFFF6A8	FFFFF3C4	FFFFF495
(2960)	0000004F	00000051	00000003	00000016	00000011	00000025	FF676981	FF676981	FF676981	FF676981
(3000)	FFFFF6D0	FFFFFB02	FFFFFB3A	FF676981	FF676981	FF676981	FF676981	FFFFF6D0	FFFFF397	FFFFF491
(3040)	0000004F	00000051	00000003	00000016	00000011	00000026	FF676981	FF676981	FF676981	FF676981
(3080)	FFFFF6F4	FFFFFE7	FFFFFB39	FF676981	FF676981	FF676981	FF676981	FFFFF6F4	FFFFF3AF	FFFFF496
(3120)	0000004F	00000051	00000003	00000016	00000011	00000027	FF676981	FF676981	FF676981	FF676981
(3160)	FFFFF719	FFFFEFC	FFFFFB38	FF676981	FF676981	FF676981	FF676981	FFFFF719	FFFFF3C5	FFFFF49C
(3200)	0000004F	00000051	00000003	00000016	00000011	00000028	FF676981	FF676981	FF676981	FF676981
(3240)	FFFFF73E	FFFFF012	FFFFFB37	FF676981	FF676981	FF676981	FF676981	FFFFF73E	FFFFF3D6	FFFFF4A2
(3280)	0000004F	00000051	00000003	00000016	00000011	00000029	FF676981	FF676981	FF676981	FF676981
(3320)	FFFFF763	FFFFF027	FFFFFB36	FF676981	FF676981	FF676981	FF676981	FFFFF763	FFFFF3E1	FFFFF4A5
(3360)	0000004F	00000051	00000003	00000016	00000011	0000002A	FF676981	FF676981	FF676981	FF676981
(3400)	FFFFF789	FFFFE03D	FFFFFB36	FF676981	FF676981	FF676981	FF676981	FFFFF789	FFFFF408	FFFFF4A8
(3440)	0000004F	00000051	00000003	00000016	00000011	0000002B	FF676981	FF676981	FF676981	FF676981
(3480)	FFFFF7AE	FFFFF053	FFFFFB35	FF676981	FF676981	FF676981	FF676981	FFFFF7AE	FFFFF41E	FFFFF4B5
(3520)	0000004F	00000051	00000003	00000016	00000011	0000002C	FF676981	FF676981	FF676981	FF676981
(3560)	FFFFF7D3	FFFFF069	FFFFFB35	FF676981	FF676981	FF676981	FF676981	FFFFF7D3	FFFFF435	FFFFF4BC
(3600)	0000004F	00000051	00000003	00000016	00000011	0000002D	FF676981	FF676981	FF676981	FF676981
(3640)	FFFFF7F9	FFFFE07E	FFFFFB34	FF676981	FF676981	FF676981	FF676981	FFFFF7F9	FFFFF44C	FFFFF4C3
(3680)	0000004F	00000051	00000003	00000016	00000011	0000002E	FF676981	FF676981	FF676981	FF676981
(3720)	FFFFF81F	FFFFF096	FFFFFB34	FF676981	FF676981	FF676981	FF676981	FFFFF81F	FFFFF462	FFFFF4CA
(3760)	0000004F	00000051	00000003	00000016	00000011	0000002F	FF676981	FF676981	FF676981	FF676981
(3800)	FFFFF845	FFFFF0AD	FFFFFB34	FF676981	FF676981	FF676981	FF676981	FFFFF845	FFFFF479	FFFFF4D2
(3840)	0000004F	00000051	00000003	00000016	00000011	00000030	FF676981	FF676981	FF676981	FF676981
(3880)	FFFFF86A	FFFFE0C4	FFFFFB33	FF676981	FF676981	FF676981	FF676981	FFFFF86A	FFFFF491	FFFFF4D9
(3920)	0000004F	00000051	00000003	00000016	00000011	00000031	FF676981	FF676981	FF676981	FF676981
(3960)	FFFFF890	FFFFF0DB	FFFFFB33	FF676981	FF676981	FF676981	FF676981	FFFFF890	FFFFF4A8	FFFFF4E1
(4000)	0000004F	00000051	00000003	00000016	00000011	00000032	FF676981	FF676981	FF676981	FF676981
(4040)	FFFFF8B7	FFFFF0F3	FFFFFB33	FF676981	FF676981	FF676981	FF676981	FFFFF8B7	FFFFF43F	FFFFF4E7
(4080)	0000004F	00000051	00000003	00000016	00000011	00000033	FF676981	FF676981	FF676981	FF676981
(4120)	FFFFF8DD	FFFFF10B	FFFFFB33	FF676981	FF676981	FF676981	FF676981	FFFFF8DD	FFFFF4D7	FFFFF4F2
(4160)	0000004F	00000051	00000003	00000016	00000011	00000034	FF676981	FF676981	FF676981	FF676981
(4200)	FFFFF903	FFFFF123	FFFFFB33	FF676981	FF676981	FF676981	FF676981	FFFFF903	FFFFF4E6	FFFFF4FA
(4240)	0000004F	00000051	00000003	00000016	00000011	00000035	FF676981	FF676981	FF676981	FF676981
(4280)	FFFFF92A	FFFFF139	FFFFFB33	FF676981	FF676981	FF676981	FF676981	FFFFF92A	FFFFF507	FFFFF503
(4320)	0000004F	00000051	00000003	00000016	00000011	00000036	FF676981	FF676981	FF676981	FF676981
(4360)	FFFFF950	FFFFF154	FFFFFB34	FF676981	FF676981	FF676981	FF676981	FFFFF950	FFFFF51F	FFFFF50C
(4400)	0000004F	00000051	00000003	00000016	00000011	00000037	FF676981	FF676981	FF676981	FF676981
(4440)	FFFFF977	FFFFF16C	FFFFFB34	FF676981	FF676981	FF676981	FF676981	FFFFF977	FFFFF538	FFFFF515
(4480)	0000004F	00000051	00000003	00000016	00000011	00000038	FF676981	FF676981	FF676981	FF676981
(4520)	FFFFF99E	FFFFF185	FFFFFB34	FF676981	FF676981	FF676981	FF676981	FFFFF99E	FFFFF558	FFFFF51E
(4560)	0000004F	00000051	00000003	00000016	00000011	00000039	FF676981	FF676981	FF676981	FF676981
(4600)	FFFFF9C5	FFFFF19F	FFFFFB35	FF676981	FF676981	FF676981	FF676981	FFFFF9C5	FFFFF567	FFFFF528
(4640)	0000004F	00000051	00000003	00000016	00000011	0000003A	FF676981	FF676981	FF676981	FF676981
(4680)	FFFFF9EC	FFFFF1B8	FFFFFB35	FF676981	FF676981	FF676981	FF676981	FFFFF9EC	FFFFF582	FFFFF532
(4720)	0000004F	00000051	00000003	00000016	00000011	0000003B	FF676981	FF676981	FF676981	FF676981
(4760)	FFFFFA13	FFFFF1D2	FFFFFB36	FF676981	FF676981	FF676981	FF676981	FFFFFA13	FFFFF59E	FFFFF53C

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ PERM	ERROR	SUMMARY	INPUT RETRIES
1	12	13	4800	0	0	0	0

FILE	RECORD	LENGTH	4800BYTES	READ PERM	ERROR	SUMMARY	INPUT RETRIES
(0)	0000004F	0000005A	00000003	0000001F	00000000	00000025	FFFFFA75 000000A8 000001A76
(40)	FFFFFA52	FFFFF558	00000095	00000025	FFFFFA05	00000060	00001A76 FFFFA05 FFFFA331 000000922
(80)	0000004F	0000005A	00000003	0000001F	00000000	0000009E	FFFFF5D4 00000062 000000F04
(120)	FFFFFA5E	FFFFF557	00000092	0000003E	FFFFFA43	0000004B3	000000F04 FFFFA5E FFFFA320 00000015
(160)	0000004F	0000005A	00000003	0000001F	00000000	00000076	FFFFFA01 000000610 0000008AF
(200)	FFFFFA63	FFFFF553	0000008F	00000076	FFFFFA29	0000004E5	0000008AF FFFFA63 FFFFA329 00000018
(240)	0000004F	0000005A	00000003	0000001F	00000000	000001246	FFFFFA02 000000500 00000138E

(2700)	0000004F	0000005A	00000003	0000001F	0000000C	0000002D	FFFF13E	FFFF770	000000B0	00000020
(3000)	FFFFAF17	FFFFF4C7	0000001E	FFFFE40E	FFFFF530	0000004A	0000120	FFFFAF11	FFFFE290	00000063
(3040)	0000004F	0000005A	00000003	0000001F	0000000C	00000026	FFFFE08	00000040	000000A70	0000002A
(3080)	FFFFAF1D	FFFFF4C3	0000001B	FFFFE506	FFFFF0F4	0000003D	0000102A	FFFFAF10	FFFFE290	00000059
(3120)	0000004F	0000005A	00000003	0000001F	0000000C	00000027	FFFFE1C	000000357	0000007E	00000065
(3160)	FFFFAF23	FFFFF4B7	00000018	FFFFE610	0000001F3	00000079	00001465	FFFFAF23	FFFFE294	00000058
(3200)	0000004F	0000005A	00000003	0000001F	0000000C	00000028	FFFFE30F	FFFFF084	000000C4	00000006
(3240)	FFFFAF28	FFFFF4B3	00000015	FFFFE30F	FFFFF084	00000074	00002006	FFFFAF28	FFFFE290	00000052
(3280)	0000004F	0000005A	00000003	0000001F	0000000C	00000027	FFFFE256	FFFFF084	000000F4	0000001F
(3320)	FFFFAF2E	FFFFF4B7	00000012	FFFFE256	FFFFF084	000000CA4	00002110	FFFFAF2E	FFFFE210	00000040
(3360)	0000004F	0000005A	00000003	0000001F	0000000C	0000002A	FFFFE13F	FFFFF084	00000085	000000370
(3400)	FFFFAF33	FFFFF4B3	0000000E	FFFFE15E	FFFFE322	000000C70	0000237C	FFFFAF33	FFFFE200	00000047
(3440)	0000004F	0000005A	00000003	0000001F	0000000C	0000002B	FFFFE145	FFFFF47	000000C1	0000002FE
(3480)	FFFFAF38	FFFFF4AF	0000000B	FFFFE145	FFFFE233	000000936	0000226E	FFFFAF38	FFFFE204	00000042
(3520)	0000004F	0000005A	00000003	0000001F	0000000C	0000002C	FFFFE3F4	FFFFF084	000000C0	00000025A
(3560)	FFFFAF3E	FFFFF4AB	00000009	FFFFE3F4	FFFFF084	000000920	0000224A	FFFFAF3E	FFFFE200	00000030
(3600)	0000004F	0000005A	00000003	0000001F	0000000C	0000002D	FFFFE2E5	FFFFF404	00000075	000000A82
(3640)	FFFFAF43	FFFFF4A7	00000004	FFFFE2E5	FFFFF379	0000004A4	00001A82	FFFFAF43	FFFFE270	000000356
(3680)	0000004F	0000005A	00000003	0000001F	0000000C	0000002E	FFFFE9F7	FFFFE203	000000C2	000000387
(3720)	FFFFAF49	FFFFF4A3	00000001	FFFFE9F7	FFFFF084	000000688	00001087	FFFFAF49	FFFFE278	00000031
(3760)	0000004F	0000005A	00000003	0000001F	0000000C	0000002F	FFFFE0F6	FFFFF34A	000000C4	0000006F
(3800)	FFFFAF4E	FFFFF4A0	0000000E	FFFFE0F6	FFFFF0C9	00000074	0000126F	FFFFAF4E	FFFFE274	000000323
(3840)	0000004F	0000005A	00000003	0000001F	0000000C	00000030	FFFFE331	FFFFE120	000000C30	00000017H
(3880)	FFFFAF54	FFFFF49C	0000000E	FFFFE331	FFFFE5CF	00000072	0000171B	FFFFAF54	FFFFE270	000000425
(3920)	0000004F	0000005A	00000003	0000001F	0000000C	00000031	00001032	FFFFE073	000000697	000000303
(3960)	FFFFAF59	FFFFF498	00000007	FFFFE073	FFFFF415	000000566	00000003	FFFFAF59	FFFFE260	00000020
(4000)	0000004F	0000005A	00000003	0000001F	0000000C	00000032	0000125F	FFFFE07E	000000216	0000001317
(4040)	FFFFAF5F	FFFFF494	00000004	0000125F	FFFFE4E	000000100	00001317	FFFFAF5F	FFFFE261	0000001A
(4080)	0000004F	0000005A	00000003	0000001F	0000000C	00000033	00002445	FFFFE080	000000A0F	0000002972
(4120)	FFFFAF65	FFFFF490	00000001	00002445	FFFFE0A7	000000908	00002982	FFFFAF65	FFFFE263	00000014
(4160)	0000004F	0000005A	00000003	0000001F	0000000C	00000034	0000373C	FFFFE085	000000E9	0000003F6
(4200)	FFFFAF6A	FFFFF48C	0000000E	0000373C	FFFFE092	000000D70	000038F5	FFFFAF6A	FFFFE25F	0000000F
(4240)	0000004F	0000005A	00000003	0000001F	0000000C	00000035	00003C06	FFFFE092	0000105E	0000003A70
(4280)	FFFFAF70	FFFFF488	0000000A	00003C06	FFFFE085	000000F27	00003A70	FFFFAF70	FFFFE258	00000030Y
(4320)	0000004F	0000005A	00000003	0000001F	0000000C	00000036	0000352E	FFFFE074	000000C2	000000366
(4360)	FFFFAF75	FFFFF484	00000007	0000352E	FFFFE0A0A	000000ADF	00003586	FFFFAF75	FFFFE257	000000303
(4400)	0000004F	0000005A	00000003	0000001F	0000000C	00000037	000037E3	FFFFE0B0	000000B9A	0000003920
(4440)	FFFFAF7B	FFFFF480	00000004	000037E3	FFFFE0A2F	000000A2E	00003920	FFFFAF7B	FFFFE253	00000037F0
(4480)	0000004F	0000005A	00000003	0000001F	0000000C	00000038	00003754	FFFFE0AF	000000B66	0000003FF5
(4520)	FFFFAF81	FFFFF47C	00000001	00003754	FFFFF648	000000960	000038F6	FFFFAF81	FFFFE24F	0000007FE
(4560)	0000004F	0000005A	00000003	0000001F	0000000C	00000039	00003380	FFFFE042	00000084A	000000357F
(4600)	FFFFAF86	FFFFF478	0000000D	00003380	FFFFF5E2	000000939	00003570	FFFFAF86	FFFFE248	0000007E2
(4640)	0000004F	0000005A	00000003	0000001F	0000000C	0000003A	000024AD	FFFFFA30	00000061A	0000002503
(4680)	FFFFAF8C	FFFFF474	0000000A	000024AD	FFFFF0E4	00000050B	00002503	FFFFAF8C	FFFFE247	0000007E0
(4720)	0000004F	0000005A	00000003	0000001F	0000000C	0000003B	00001A53	FFFFE08C	000000594	0000001AF6
(4760)	FFFFAF91	FFFFF470	00000007	00001A53	FFFFFD1F	000000500	00001A5E	FFFFAF91	FFFFE243	0000007E6

FILE	2	RECORD	1	LENGTH	4800	BYTES
(0)	0000004F	0000005A	00000004	00000001	00000005	00000000
(40)	FFFFE39E	FFFFE083	FFFFE062	FFFFE1E04	FFFFE9719	00004580
(80)	0000004F	0000005A	00000004	00000001	00000005	00000001
(120)	FFFFE38A	FFFFE088	FFFFE05E	FFFFE30B5	FFFFFA0A	00003500
(160)	0000004F	0000005A	00000004	00000001	00000005	00000002
(200)	FFFFE306	FFFFE08C	FFFFE05A	FFFFE00F4	FFFFE0F03	00004E4A
(240)	0000004F	0000005A	00000004	00000001	00000005	00000003
(280)	FFFFE3F2	FFFFE090	FFFFE057	FFFFE0E89	FFFFE999A	00005A48
(320)	0000004F	0000005A	00000004	00000001	00000005	00000004
(360)	FFFFE040E	FFFFE094	FFFFE053	FFFFE0F46	FFFFE9101	0000470E
(400)	0000004F	0000005A	00000004	00000001	00000005	00000005
(440)	FFFFE042A	FFFFE098	FFFFE050	FFFFE00B4	FFFFE595	00003538
(480)	0000004F	0000005A	00000004	00000001	00000005	00000006
(520)	FFFFE0446	FFFFE09D	FFFFE04C	FFFFE0D1F	FFFFE0C1F	0000470B
(560)	0000004F	0000005A	00000004	00000001	00000005	00000007
(600)	FFFFE0462	FFFFE0A1	FFFFE049	FFFFE0B1F	FFFFE7A00	000050B6
(640)	0000004F	0000005A	00000004	00000001	00000005	00000008

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE-2

PARTICLE DATA ON TAPE

77-102B-08A' SPMS-00420

This data set catalog consists of 3 tape(s). The tape(s) are 9 track, 1600 bpi, ascii with multifile(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	
D- 45694	C-21565	3/22/79	9 files
D-45695	C-21566	3/31/79	12 files
D-45696	C-21567	4/01/79	9 files