542

ESA GEOS 2

CDAW DATA SETS

542	78-071A-01B	SPMS-00350	ESA GEOS 2
542	78-071A-02B	SPMS-00004	ESA GEOS 2
542	78-071A-03A	SPMS-00128	ESA GEOS 2
542	78-071A-03B	SPMS-00250	ESA GEOS 2
542	78-071A-03C	SPMS-00349	ESA GEOS 2
542	78-071A-04B	SPMS-00521	ESA GEOS 2
542	78-071A-06B	SPMS-00005	ESA GEOS 2
542	78-071A-06C	SPMS-00668	ESA GEOS 2
542	78-071A-07B	SPMS-00084	ESA GEOS 2
542	78-071A-07C	SPMS-00590	ESA GEOS 2
542	78-071A-09B	SPMS-00126	ESA GEOS 2
542	78-071A-11B	SPMS-00083	ESA GEOS 2

Table of Contents

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

http://nssdc.gsfc.nasa.gov/nmc/

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

a. Associated Documents To find associated documents you will need to know the document ID number and then click here. http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/

b. Core Catalog Materials

ESA-GEOS 2

ELEC & PROT PITCH ANGLE DIST

78-071A-01B SPMS-00350

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY TWO 9-TRACK, 1600 BPI TAPES, 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 TAPES WERE CREATED ON AN IBM 360 COMPUTER AND RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
DR005352	DS005352	DD045657	1-2	03/22/79 - 03/22/79
		DD045658	3-4	03/31/79 - 04/01/79

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

ESA GEOS 2

ELECTRON AND PROTON PITCH ANGLE DISTRIBUTIONS

78-071A-01B

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

D#	C#	TIME SPAN
D-45657	C-21562	3/22/79
D-45668	C-21562	3/31/79,4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 78-111-11L

DATE DATA RECEIVED: 8/4/81

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

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

SATELLITE NAME/NSDF NAME: ISEE SPACE

EXPERIMENT NAME:

DATA SET FULL NAME: ELECTRON & PROTON PITCH ANGLE DISTRIBUTIONS

CONTACT: ACQUISITION SCIENTIST: LMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

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

ACCESSION UNIT NUMBERS: DD 43[illegible]92 C-21562, 21563, 64

REMARKS: 3/22/79. 9trk 1600 Ascii 2 files

3/31/79, 4/1/79

LHW

DATA RECEIPT NOTIFICATION SENT? ☐

Susan Mann

DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date 7/31/81

NSSDC ID 78-071A-01(B)

CDAW DATA SET ENTRY

Date Rcvd: 7/15/81 CDB: 6

Data Sent By: Berend Wilken

Material Rcvd: 2 Tapes (2 files each), 9 Trk, 1600 Bpi; ASCII; Documentation,

Satellite/NSRF Name: ESA-GEOS 2

Data Set Name: Electron and Proton Pitch Angle Distributions

☒ New Data Set ☐ Additions ☐ Replacements

Comments

Time Coverage: 22 March, 31, March, 1 April.

~~Tapes To be Returned to?~~

Please make ASCII Dumps for us — Thanks

Completed By: D. Stevens

MAX-PLANCK-INSTITUT FÜR AERONOMIE

POSTFACH 20
D-3411 KATLENBURG-LINDAU 3
GERMANY

TELEFON
(05556) 411

BAHNSTATION
3410 NORTHEIM/HAN.

FERNSCHREIBER
09655 27 AERLI D

TELEGRAMME
AERONOMIE KATLENBURG-LINDAU

BANK
KREIS-SPARKASSE NORTHEIM
(BLZ 262 500 01) 41 104 449

DE-01A-91B
7/31/81

Max-Planck-Institut für Aeronomie, Postfach 20, D-3411 Katlenburg-Lindau 3

Dr. James I. Vette, Code 601
World Data Center A
Goddard Space Flight Center

Greenbelt, Maryland 20771 / USA

IHR ZEICHEN	IHRE NACHRICHT VOM	UNSER ZEICHEN	DURCHWAHL	DATUM
		BWK-pf	(05556) 41 431	1 July 1981

Ref.: GEOS-2 data for future CDAW

Dear Jim,

please find attached the description of our data format and two tapes for the 3/22 - 4/1/79 period. The description is essentially unchanged with the exception of some updated information with respect to the present data set. In case you need additional information don't hesitate to contact me.

Sincerely yours,

Dr. B. Wilken

Encl.

GEOS - S321 Data Tapes

The tapes are written with 9 tracks at 1600 bpi density.

All values are integer numbers coded in ASCII characters.

The 1. tape consists of 2 files and terminates with a double tape mark.

The 2. tape consists of 2 files and terminates with a double tape mark.

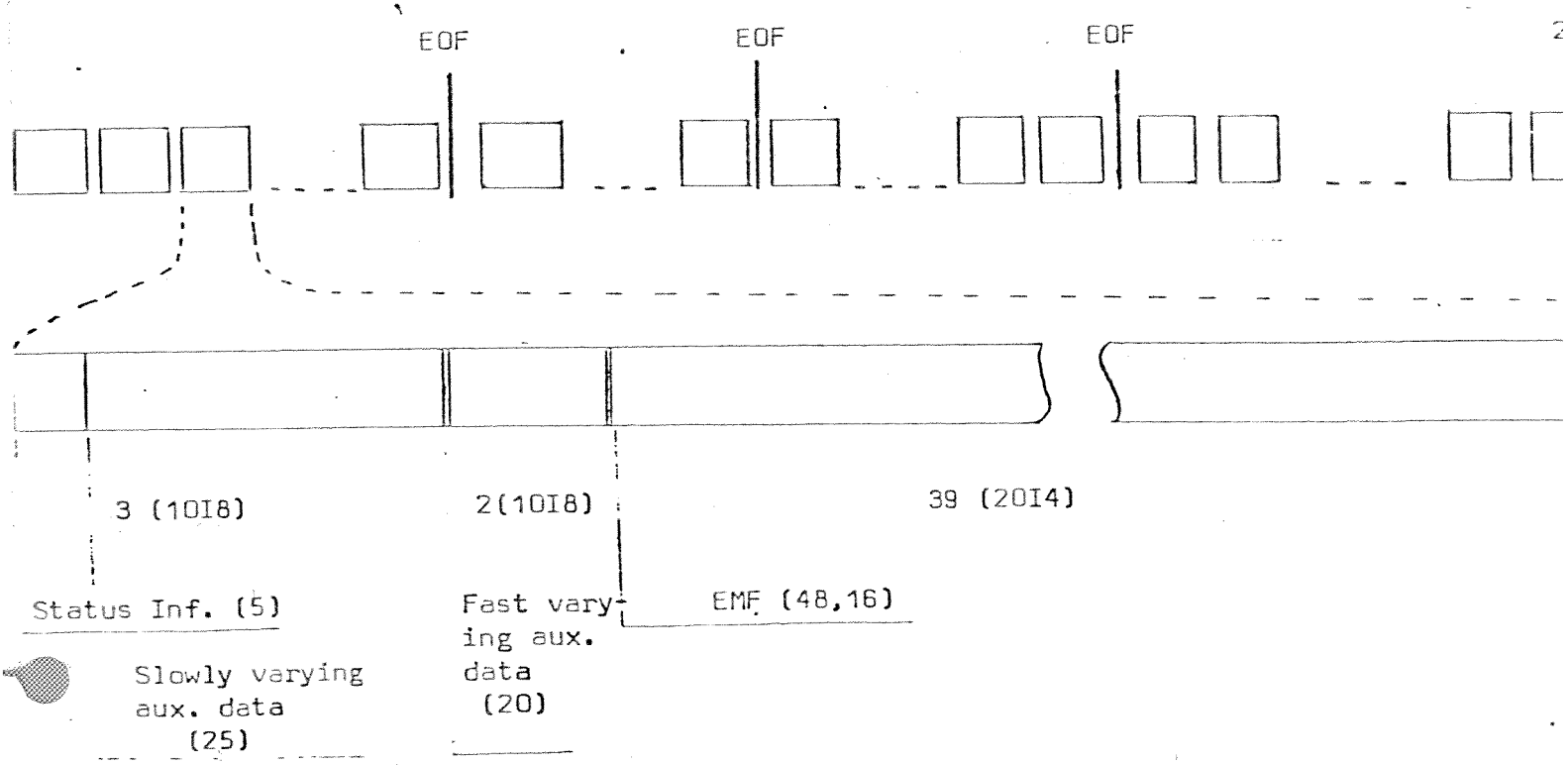
Tape 1

File 1:	22.03.1979	06:00 - 17:12 UT	7141 Records
File 2:	22.03.1979	17:12 - 20:00 UT	1834 Records

Tape 2

File 1:	31.03.1979	12:00 - (1.4.) 00:18 UT	8023 Records
File 2:	01.04.1979	00:18 - 06:00 UT	3850 Records

One Experiment Main Frame (EMF) with the corresponding slow and fast varying auxiliary data is given in one record.



Record length = 30I8 + 20I8 + 780I4 = 3520 characters

1...5 Status Information

1. MODE - S321 Mode selected (= 0 for the contacts of this tape)
2. FFC - Four format counter (1...7)
   indicate the number of the seven four-format-units (FFU) of the experimenter's tape record from which the EMF is taken.
3. SYNPOS - Position of the S321-SYNCWORD SO (1...4)
   Indicate in which format within the four-format-unit the EMF begins.
4. EMF-MSG - Indicate if SYNPOS has been changed : IF = 0, SYNPOS has not been changed, IF = 1, SYNPOS has been changed - this may cause a time gap.
5. STAERR - Indicates, whether some checks of the status words have shown errors.

   STAERR = 0 : No error

   $0 < \text{STAERR} \leq 10$: Error in redundant status information

   STAERR > 100 : The EDF-counter within the EMF is not incrementing.

6...30 Slowly-Varying Auxiliary Data

6. Format-counter (divideble by 64)
7. MJD - modified julian day (0 = 1.1.1950)
8. MILLISECONDS of day of rise of first bit of the given format-counter
9. Mean duration of one format in MICROSECONDS
10. HS-counter value at time of last calculation of plasma frequency
11. Plasma frequency quality flag.
12. Plasma frequency, units of 5 hertz

Satellite Position (corotating geocentris equatorial coordinates)

13. Latitude, units of hundredth degrees, + - 90 deg.
14. Longitude, units of hundredth degrees, + - 180 deg.
15. Distance from center of earth, units of 10 kms.

Satellite Attitude (VDH coordinates)

16. V
17. D
18. H

Direction cosines of the spin axis, normalised to 10000

19. V
20. D
21. H

Direction cosines of the magnetic dipole in the VDH System normalised to 10000

22. V
23. D
24. H

Direction cosines of the direction of the sun from the center of the earth in the VDH system normalised to 10000

25. Angle between the 2 lines earth-centre to satellite and sun to earth-centre (i.e. eclipse at zero angle) + 0...180 deg., units of 1/100 degree

GEOS 1

26. Right ascension
27. Declination

Spin axis tilt in spacecraft coordination, Units of hundredth degree

28. Quality bits (power of 2) = 7-6 orbit
5-4 attitude
3-2 others
1-0 timing

For each 2-bit Flag 0=good
1=poor
3=extrapol.

29., 30. SPARE

GEOS-2

26.	D(LAT)/DT	(1/100 deg./hour)	
27.	D(LONG)/DT	(1/100 deg./hour)	Velocity Vector
29.	D(HEIGT)/DT	(km/hour)	

31 ... 50 Fast Varying Auxiliary Data

31. LS-Format Counter (always divideble by 4)
32. MSD: Days since 1.1. 1950
33. Milliseconds of day (referring to the first rise of bit of the given format)
34. 4 Quality bytes (right-shifted) for each of the 4 formats:
    = 0 for good quality
35. Quality from the payload-status-reg.:

    0 = good quality for all 4 formats
    1 = some data suspect
    2 = some data missing (replaced by 255)
    3 = all data missing

36. First Euler Angle
37. Second Euler Angle
38. Third Euler Angle

    } Euler Angles in VDH-System, Units of 1/100 Deg., Range + -180 deg.

39. Angular velocity in VDH-System: Angle rotated per format in units of 1/100 deg.

40. V
41. D
42. H

    } Magnetic field components in the VDH System, Units of one millionth Gauss

43. Polar
44. Azimuth

    } Magnetic field direction angle, space craft fixed, Units of one hundredth degree — 0...180 Deg. / + -180 Deg.

45. Days (MSD)
46. Milliseconds

    } of the last see sun pulse

47. ... 50 SPARE

51...780 Experiment Main Frame (EMF)

EMF (I,J), I = 1 ... 48 for DATA WORDS of one EXPERIMENT DATA FRAME (EDF)
J = 1 ... 16 for the EDF's of one FOUR-FORMAT-UNIT (FFU)

The contents of the EMF is given in table A1.2 of "GEOS S321-Parameter".

Integral Detector-Angles and Geometric Factors

	GF	8.3	6.5	6.3	5.7	4.5	4.3	4.4	5.9	6.2	7.2			
.1	α°	0	15	28	39	50	82	93	104	114	124	23	50	79	106

Detektor →	E0	E1	E2	E3	E4	E5	E6	E7	E8	E9	P0	P1	P2	P3
α°	7	17	27	37	48	82	93	103	113	123	23	49	80	106
.2 GF	5.7	5.3	4.6	3.9	3.3	3.2	3.3	3.8	4.0	4.7				

(I,J)														
I =	5	6	7	8	11	12	13	14	17	18	19	20	23	24
	29	30	31	32	35	36	37	38	41	42	43	44	47	48

I = 1...16

$$CPS = CR / .172$$

$$INT. = CPS * 1.E5 / GF \quad | \quad INT. = CPS * 5.E3$$

Differential Detector-Angles and Geometric Factors (Electrons)

ELEKTRONEN GEOS-2

J = 3 and II 4 5 8 9 12 13 Tab.15 16 1

	DETEKTOR →	E0	E1	E2	E3	E4	E5	E6	E7	E8	E9
	Channel XX ↓	16.0									
1	00		12.0	22.0	32.0	42.0	53.0	77.0	88.0	98.0	108.0	119.0
		23.5	2437.	3310.	3997.	5316.	6498.	6498.	4742.	4177.	3987.	3025. — GF
7	01		9.0	19.0	29.0	39.0	50.0	80.0	91.0	101.0	111.0	121.0
		30.0	3779.	3944.	4550.	5868.	6026.	6370.	6026.	5309.	5185.	4129.
10	02		7.0	17.0	27.0	37.0	48.0	82.0	93.0	103.0	113.0	123.0
		37.5	3183.	3414.	4173.	4695.	5523.	5366.	6058.	4815.	5366.	3917.
15	03		6.0	16.0	26.0	36.0	47.0	83.0	94.0	104.0	114.0	124.0
		44.5	3451.	3982.	4601.	5448.	6089.	6470.	6679.	5309.	5596.	4561.
16	04		6.0	16.0	26.0	36.0	47.0	83.0	94.0	104.0	114.0	124.0
		51.5	3159.	3531.	4163.	4579.	5387.	5723.	5550.	4696.	4579.	3591.
1	05		6.0	16.0	26.0	36.0	47.0	83.0	94.0	104.0	114.0	124.0
		60.5	2420.	2657.	3080.	3388.	3885.	4371.	4106.	3566.	3226.	2945.
12	06		6.0	16.0	26.0	36.0	47.0	83.0	94.0	104.0	114.0	124.0
		70.5	2126.	2334.	2533.	2976.	3501.	3720.	3608.	3133.	2769.	2648.
17	07		7.0	17.0	27.0	37.0	48.0	82.0	93.0	103.0	113.0	123.0
		83.0	1556.	1585.	1755.	2062.	2426.	2743.	2577.	2426.	1964.	2012.
20	08		7.0	17.0	27.0	38.0	48.0	82.0	92.0	103.0	113.0	123.0
		96.0	1654.	1532.	1654.	1924.	2177.	2954.	2585.	2668.	2121.	2068.
33	09		7.0	17.0	28.0	39.0	49.0	81.0	91.0	102.0	113.0	123.0
		113.5	1166.	1020.	1099.	1299.	1429.	2041.	1786.	1843.	1429.	1504.
34	10		8.0	18.0	29.0	40.0	50.0	80.0	90.0	101.0	112.0	122.0
		133.0	1091.	916.	916.	1047.	1091.	1654.	1465.	1554.	1315.	1386.
39	11		8.0	18.0	30.0	41.0	52.0	78.0	89.0	100.0	112.0	122.0
		153.5	1134.	813.	900.	938.	1038.	1524.	1318.	1394.	1190.	1435.
40	12		9.0	19.0	31.0	42.0	53.0	77.0	88.0	99.0	111.0	121.0
		180.0	359.	629.	599.	699.	712.	1078.	920.	968.	858.	943.
45	13		9.0	20.0	32.0	44.0	55.0	75.0	86.0	98.0	110.0	121.0
		213.5	609.	489.	439.	524.	533.	853.	728.	765.	694.	765.
46	14		10.0	22.0	33.0	46.0	57.0	73.0	84.0	97.0	108.0	120.0
		300.0	203.	138.	124.	122.	122.	214.	227.	241.	241.	282. — GF

GEOS-2

IE(KEV)	16.5 -	24.0 -	33.0 -	42.5 -	56.0 -	73.0 -	96.0 -	125.0 -	165.0 -	219.0 -	294.0 -	390.0 - 3300.0
P0	23.0 1212.	23.0 855.	23.0 752.	23.0 416.	23.0 303.	23.0 217.	23.0 172.	23.0 125.	23.0 93.	23.0 67.	23.0 52.	23.0 2.
P1	51.0 1212.	50.0 855.	49.0 752.	49.0 416.	49.0 303.	48.0 217.	47.0 172.	47.0 125.	46.0 93.	46.0 67.	46.0 52.	46.0 2.
P2	78.0 1212.	79.0 855.	79.0 752.	80.0 479.	81.0 394.	81.0 285.	81.0 221.	82.0 155.	83.0 122.	83.0 86.	83.0 52.	83.0 2.
P3	106.0 1212.	106.0 855.	106.0 752.	106.0 474.	106.0 352.	106.0 241.	106.0 200.	106.0 147.	106.0 119.	106.0 84.	106.0 52.	106.0 2.

Differential Detector Angles and Geometric Factors (Protons)

PROTONEN GEOS-2

1) I =	4	9	10	15	16	21	22	27	28	33	34	39
IE(KEV)	20.0 -	27.5 -	35.5 -	45.0 -	59.0 -	75.0 -	98.0 -	129.5 -	169.0 -	225.5 -	301.0 -	402.5 - 3300.0
Channel	00	01	02	03	04	05	06	07	08	09	10	11
P0	23.0 1190.	23.0 992.	23.0 721.	23.0 425.	23.0 343.	23.0 222.	23.0 159.	23.0 127.	23.0 88.	23.0 66.	23.0 49.	23.0 2. — GF
P1	51.0 1190.	50.0 992.	49.0 721.	49.0 425.	48.0 315.	48.0 204.	47.0 146.	47.0 109.	46.0 68.	46.0 49.	46.0 33.	46.0 1.
0 P2	78.0 1190.	79.0 992.	79.0 721.	80.0 425.	81.0 343.	81.0 222.	81.0 159.	82.0 127.	83.0 88.	83.0 66.	83.0 49.	83.0 2.
4 P3 ↓ Detector	106.0 1190.	106.0 992.	106.0 721.	106.0 425.	106.0 343.	106.0 222.	106.0 159.	106.0 127.	106.0 88.	106.0 66.	106.0 49.	106.0 2. — GF

T PRINTS

CPS = CR / .344

INT. = CPS * GF

CDGG
28-071A-01D
7/31/81
8/8/8

D-45657
3/22/79

MJD 1950
DAY 80

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

 TAPE NO.   1                FILE NO.   1
 RECORD   1                  LENGTH   3520
        0      1      2      1      031143744  10672215104521376010298507 52     211    3618
   16   3731   4217   141   -99   9998   -564   -1886   9804   5757   8175   55   125
15   10009   0   16   3   31143800   1067221587508   0   0   15129   99
  5478   7993   170   -191   1089   1227   9000   1067221567406
   142   0 128  36  23  24  30  25  13   7  32  32  34  38   7   4  41  32  55  65   6   7  72   7
0 142   0   1   2  26  34  39  21   7   2  26  30  33  36   1   3  37  33  53  64   2   4  74  67 1
29   0 142 129  17  20  34  30  55  29  32  31  36  41  13  14  37  33  52  66   9   6  70  70 129
  0   4   1  31  29  36  25   0   0  26  25  36  34   0  22  34  40  57  66   3   0  74  70 232   0
 130  30  28  32  38  32   6  10  32  32  35  36   6   7  36  32  54  67   3   6  72  67 232   0
1   3  29  35  34  29   1   7  25  33  37  40   0   1  48  35  57  65   2   5  71  67 131   0 232
20  24  34  37  34  16   9  32  31  34  27   3   8  41  26  54  68   8   4  67  66 131   0   7   3
 34  30  29  33   3   4  34  33  32  36   2   4  35  37  54  69   0   5  69  68 112   0 132  31  26
  37  36  37  14   6  26  31  38  39   9   2  46  32  52  64   6   6  70  70 112   0   5   3  28   2
7  31  22   4   2  31  21  32  38   2   3  39  33  56  68   1   4  73  69 133   0 112 126  28  34
30  20  52  35  29  31  32  31  41  45  45  37  54  65  28  26  69  67 133   0  11   5  25  34  26
 28   3   0  19  26  30  32   0  15  33  36  50  63   3   0  70  70   0   0 134  21 .25  35  30  31
  10  10  28  30  34  40  13  11  37  34  51  62  10   5  72  68   0   0   3   3  19  38  34  26
4   2  34  29  29  34   2   1  36  37  53  60   1   5  72  69 135   0   0   9  24  34  33  31   6
11  25  35  30  35  12   4  42  35  54  60   6   3  68  70 135   0   1   3  22  33  36  31   2   2
 30  37  46  40   2   1  40  32  50  59   1   3  65  72   0   0 136  11  31  33  29  33  11   8  29
  28  32  34   9   9  44  36  46  60   2   3  68  70   0   0   6   3  21  25  32  23   0   0  30   2
4  37  39   2   2  35  24  46  60   1   4  69  71 137   0   0 100  21  29  33  24  42  47  22  22
25  40  40  49  42  35  47  55  40  27  68  72 137   0  11  11  19  24  33  32   1   0  25  32  37
 40   0  12  43  29  46  55   5   0  65  69   1   0 138  29  20  23  23  32   5   2  22  25  31  36
   6   7  36  35  49  51   2   8  66  72   1   0   3   1  19  30  28  20   1   1  23  27  34  37
0   1  36  36  46  50   0   2  68  70 139   0   1  16  11  20  25  27   9  11  21  33  30  32   7
 5  41  32  43  54   6   6  65  72 139   0   2   1  19  21  29  22   2   2  29  25  29  39   1   3
 45  31  37  51   1   3  65  72 210   0 140  35  16  18  30  22   7   7  22  29  35  36   9  10  30
  42  44  51  10   5  64  73 210   0   6   1  18  14  29  31   4   2  21  30  41  36   2   1  37   3
6  42  51   2   1  68  75 141   0 210 134  17  23  26  33  66  48  32  34  35  42  50  47  39  41
45  59  37  37  66  75 141   0  12  12  23  18  35  22   3   1  16  29  38  31   0   8  39  33  47
 50   1   0  69  73  39   0 142  27  28  27  20  27  18  17  32  25  34  45  12   4  37  38  43  57
   8   7  68  73  39   0   4   5  30  30  16  25   1   4  21  33  34  40   0   3  41  34  44  53
3   3  69  72 143   0  39  25  23  28  34  26  12  13  23  30  35  31   7  14  44  32  51  58  12
10  68  73 143   0  10   5  21  30  34  29   5   7  33  30  35  32   1   2  41  32  41  59   3   2
 65  74

 TAPE NO.   1                FILE NO.   2
 RECORD   1                  LENGTH   3520
        0      1      2      1      031173120  1067261932444 137601030329152     171    2484
   -7   3730   4214   -146   79   9998   -605   -1886   9801   -4003   -9163   97   66
40   9990   1   16   -3   31173120   1067261932444   0   0   490   95
 -11856   7992   329   -45   569   3123   9050   1067261921148
    142   0 128  55  43  53  45  34  17  21  38  32  40  40  12  12  47  40  80  81  12   9  80   8
2 142   0   3   4  41  43  45  38   2   1  36  29  42  40   0   0  49  42  83  77   0   0  78  81 1
29   0 142 134  41  50  45  41  78  69  40  35  37  47  57  32  50  47  82  82  28   9  77  83 129
  0   5   2  44  44  49  44   0   0  34  33  37  45   0   3  51  51  81  81   0   0  79  82 232   0
 130  51  39  51  48  35  15  18  35  36  36  47  16   8  54  48  82  81   6  11  78  81 232   0
8   6  42  46  44  44   5   4  34  34  41  47   2   1  51  39  82  76   1   1  76  82 131   0 232
45  41  50  43  42  24  26  35  24  42  41  23  11  54  49  81  81  18  11  79  81 131   0   6   6
 38  45  41  45   1   2  38  34  39  40   0   0  56  48  83  77   0   0  79  82 112   0 132  47  42
  48  44  41   9  22  42  32  39  39  22  12  52  51  82  81  13  14  76  81 112   0   9   2  42   4
6  48  46   3   0  35  35  44  45   0   0  49  50  81  79   0   0  79  82 133   0 112 131  43  48
44  41  73  61  38  34  37  40  57  36  45  41  79  80  34  15  80  80 133   0   3   0  45  50  48
 33   0   0  37  33  42  40   0   4  46  42  81  80   0   0  75  80   0   0 134  39  43  50  45  38
  18  21  33  32  40  38  12   9  48  38  81  79  16   7  76  80   0   0   7   1  40  54  45  41
0   1  34  32  41  50   0   1  44  36  81  83   0   0  79  80 135   0   0  37  42  58  44  41  16
14  41  29  40  48  18  16  46  35  80  80  13   4  81  83 135   0   6   7  46  56  50  43   4   2
 27  30  42  42   0   0  40  39  81  81   0   0  80  81   0   0 136  16  50  62  55  41  11  11  33
  29  40  48   7   6  43  43  80  82  10   8  73  82   0   0   5   2  52  61  53  49   2   0  37   2
```

D-45658
File 1
3/31/79

```
$JOB  10:50:16
$NOP ****** LIST OF THE FIRST RECORD OF FILE 1 ************
$ASS IN MT2
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   3520
        0        1        2        1      031724608   1068143191073 137601039151936      232     2530
    32    3767     4217      -94      -99     9999     -548   -1882     9805     8018    -5939      658    143
30    9995        0        0        0       31724616   1068143202081        0        0     2859       78
  -4334     7998      182     -194     2947      518    -3815   1068143134676
       142    0 128   59   35   52   50   51   34   22   51   49   56   58   18   14   57   55   68   80   15   19   94    9
1 142    0    7    8   48   48   55   49    6    4   48   55   53   58    4    4   55   56   68   75    5   10   91   91 1
29    0 142 133   43   50   52   46   67   49   48   50   56   63   50   21   62   56   67   76   11    9   88   93 129
  0    2    1   42   49   48   53    0    0   49   51   57   57    0   34   61   56   68   76    0    0   89   94 232    0
 130   40   43   52   49   52   17   12   52   49   61   58   12   13   65   54   69   72    6    9   89   93 232    0    1
2    4   41   50   45   47    3    5   49   47   57   60    1    2   65   53   67   73    3    5   88   96 131    0 232
36   44   49   48   50   19   20   47   49   56   60   17   15   60   55   64   70    9   10   86   96 131    0    9   14
 45   53   37   50    6    2   47   47   55   64    3    6   64   59   65   71    5    9   84   97 112    0 132   35   40
  44   44   47   17   10   42   53   58   57   11    9   57   56   64   71    4    3   84   97 112    0    8    2   38    4
3   40   45    7    6   48   50   55   57    5    1   60   56   60   68    5   13   82   97 133    0 112 134   40   32
44   44   65   50   48   48   56   59   53   35   65   61   61   71   21   13   82   97 133    0    4    0   42   41   46
 46    1    0   50   45   55   63    0   28   63   56   61   69    4    0   87 102    0    0 134   56   34   33   42   43
  37   29   44   51   55   60   25   20   62   60   59   69   31   14 161   99    0    0   10    7   43   41   48   48    1
3    4   48   45   53   59   11    8   65   54   58   71    6   12 164   97 135    0    0   39   45   43   39   49   19
14   44   48   59   53   16   14   64   58   58   67   10    7 164   97 135    0   10    7   43   49   46   50    9    5
 47   53   52   57    5    5   64   58   63   70    2    8 164   99    0    0 136   33   44   48   49   49   22   16   45
  49   54   58   17   14   62   57   69   68   12    5 164   99    0    0    5    6   46   53   52   49    5    5   47    5
4   57   60    2    6   62   53   66   73    3    3 165   99 137    0    0 173   45   48   48   46 164 150   42   51
56   56 120   53   65   57   68   78    1    0 165   97 137    0    0    0   40   49   52   49    0    0   41   52   59
 61    0   19   64   61   67   73    0    0 164   98    1    0 138   44   45   48   50   49   19   13   51   50   56   54
  13   14   62   59   69   76    9   11 164   96    1    0    7    4   47   49   50   48    5    3   48   49   58   57
2    3   58   58   66   79    4    2 164   91 139    0    1   36   41   53   50   52   20   16   45   48   57   52   18
16   65   53   67   80   22   13 163   93 139    0    5    3   39   49   49   53    4    1   51   50   55   61    2    2
 62   52   70   81    3    7 161   92   62    0 140   63   49   52   52   52   33   18   49   49   60   59   21   19   61
  52   71   83   15   25 158   90   62    0   20   17   48   55   50   54    8    5   54   53   61   56    4    6   58    5
6   69   82    5   11 150   89 141    0   62 149   47   54   51   54   87   62   43   48   57   61   59   55   55   57
71   83   48   32 133   88 141    0   14    4   47   51   54   49    2    0   46   50   53   59    0   17   56   52   70
 82    1    0 106   84   59    0 142   56   47   54   50   56   34   23   51   51   58   59   17   20   55   54   70   83
  22   15   96   83   59    0   13   10   44   52   51   49    7    9   50   48   57   58    9   13   60   48   73   84
5   11   95   83 143    0   59   53   44   54   56   52   30   22   45   49   55   59   21   23   56   54   69   82   19
23   92   84 143    0   16   10   43   54   53   52   10    9   50   48   57   57    4    6   59   48   70   83    5   10
 94   85

***** JOB DONE.
$WEO LPS
```

DAY 89

File 2 DPU 90

D-45658
2 of 2
4/1/79 C-21564

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

 TAPE NO.   1            FILE NO.   1
 RECORD   1              LENGTH    3520
       0       1       2       1       031756800  10682 1087956 137601039663936      171    12681
    -29     3766    4216     105      86    9999    -654   -1882    9799   -7514    6560     698     41
28   10006       0       0       0         31756800   10682 1087956       0       0  -15855      78
  12916    7999     354      16    2237     840    1416   10682 1079564
     142    0 128 105 105 115 113 110 102  97 103 100 106 113  81  70 116 110  82  85  59  33 164   8
0 142   0  14  13 107 115 113 110  18  21 104 101 107 113  10  10 115 108  83  84   3   8 164  80 1
29   0 142 135 107 116 113 109  67  58 105  99 107 113  66  62 115 109  82  84  42  18 164  81 129
   0  11   3 108 115 114 108   1   0 105 101 107 113   0  13 115 109  83  85   1   0 164  80 232   0
 130 108 108 115 115 109 102  96 103 100 106 112  81  63 115 110  83  84  50  32 164  81 232   0   1
2  10 107 116 114 107  10  10 102 100 108 112   5   5 115 108  81  82   5   4 163  81 131   0 232 1
10 106 116 113 108 106 106 103 101 108 112  91  79 115 109  81  82  65  39 162  84 131   0  17   7
106 115 113 109  17  22 104 100 109 112  10  11 114 108  81  82   1   4 160  81 112   0 132 104 107
 116 114 112 105  99 103 100 108 113  90  80 115 110  79  83  65  32 155  83 112   0   7   6 107 11
6 113 109  13  13 103  99 107 113   6   7 115 109  79  81   5   6 147  83 133   0 112 137 106 116 1
15 109  68  56 103 100 107 114  67  51 115 109  78  81  37  19 126  83 133   0   6   1 109 117 113
111   0   0 104 100 107 113   0  16 115 109  80  80   9   0  95  83   0   0 134 105 108 117 114 109
 102 101 105 100 107 113  90  75 115 110  79  78  62  37  79  81   0   0  11  12 106 116 113 107   1
4  10 105 100 108 113   1   3 115 110  78  78   3   2  78  84 135   0   0  98 106 116 112 106  97
92 103 100 107 112  83  74 114 111  76  74  63  37  78  83 135   0  11   3 107 116 109  96   9  10
102 100 107 113  11   8 115 111  79  75   7   3  77  82   0   0 136  90 107 117 108  71  92  87 101
 101 107 111  77  69 114 110  72  77  60  30  77  82   0   0   9   6 108 116 109  95   9   7 103 10
0 108 113  10   6 114 109  74  78   1   7  74  83 137   0   0  99 105 117 113 107  57  58 103  98 1
08 112  66  48 115 110  74  79  29   8  79  83 137   0   7   0 107 117 114 110   2   0 105 100 108
113   0   5 114 110  77  78   1   0  78  83   1   0 138 106 106 117 114 111 100  94 105 101 107 112
  79  68 114 111  77  81  52  32  78  86   1   0  11  15 107 115 114 111  18  13 103 100 107 112
5   5 116 110  76  81   8   7  80  84 139   0   1  90 106 115 114 109  91  89 103 100 107 112  76
58 115 109  75  83  50  20  81  85 139   0  10   6 107 116 114 110  10   8 105 100 107 112   5   3
114 109  79  82   3   4  82  86  93   0 140  99 107 116 113 109  99  91 103 100 108 113  85  74 114
 110  79  82  61  40  81  84  93   0   9   7 110 115 114 109   9   5 104  99 108 113   3   5 114 11
0  78  85   2   3  82  86 141   0  93 137 107 117 113 109  75  65 105 101 108 113  70  61 115 108
81  85  48  14  82  85 141   0   6   0 106 117 114 108   0   0 103 100 108 112   0   4 114 109  82
 85   0   0  84  84 169   0 142 108 105 116 113 109 102 100 105 100 107 112  88  72 115 111  83  87
  62  35  82  84 169   0   6   4 107 115 113 109   9  12 102  99 107 112   5   3 114 110  84  85
2   1  81  81 143   0 169 107 107 115 113 106 101  97 104 101 108 112  91  85 114 110  83  87  72
50  81  91 143   0  27  12 106 115 114 110  13  14 104  99 108 112  10   6 115 111  83  87   4   4
161  83

***** JOB DONE.
$WEOLLPS
$WEO LPS
```

ESA-GEOS 2

THERMAL PLASMA 3 MIN AVERAGE DATA

78-071A-02B SPMS-00004

This data set has 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 370 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
DR005732	DS005732	D045291	1 - 3	03/22/79 - 03/31/79

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

ESA GEOS 2

THERMAL PLASMA 3 MINUTE AVERAGE DATA

78-071A-02B

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

D#	C#	TIME SPAN
D-45291	C-21532	3/22/79-4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 78-071A-02E

DATE DATA RECEIVED: 6/26/91

DATE NSDF COORDINATOR CONSULTED: ________

DATE SCIENTIST NOTIFIED: ________

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

SATELLITE NAME/NSDF NAME: ESA GEOS 2

EXPERIMENT NAME: ________

DATA SET FULL NAME: Thermal Plasma 5 MIN AVERAGE 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-152 1 [illegible]

REMARKS:

1600 ascii Quik 3 files

CDAW

3/22/79 - 4/01/79

DATA RECEIPT NOTIFICATION SENT? ☐

[illegible]
DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date 4/22/81

NSSDC ID 78-071A-02(B)

CDAW DATA SET ENTRY

Date Rcvd : 22 Dec 81 CDB: 06

Data Sent By : Gordon Wrenn

Material Rcvd : 1 Mini Tape, 1600 BPI, ASCII, 80 byte reads

Documentation; Verification Plots;

Complete Tape Dump.

satellite/NSRF Name: ESA-GEOS 2

Data Set Name : Thermal Plasma 3 min Averages

☒ New Data Set ☐ Additions ☐ Replacements

Comments

Time Coverage : 22 March 79 - 1 April 79

(*) Tapes To be Returned to: Gordon Wrenn
Mullard Space Science Lab
University College London
Holmbury St. Mary
Dorking Surrey
England

ASCII Dump Please

Completed By: Don Sawyer

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CEN

CDB TAPE DOCUMENTATION FORM

CDB #6
78-071A-02
6/22/81

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name CDAW82		
2. Scientific Contact G. WRENN	3. Telephone No. or Telex No.	
4. Address MSSL / UCL See questionnaire.		
5. City	6. State	7. ZIP Code or Country
8. Programmer Contact DR R GOWEN		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1	2. Tape Density ☐ 800 bpi ☑ 1600 bp
3. No. of Files (per tape) 3 (including 1 for tape header)	
4. No. of End of File Marks 1 for End of file, 2 for End of tape	5. No. of Tracks ☐ 7 ☑
6. Recording Parity ODD	7. Make and Model of Computer Used to Generate Tape Digital PDP 1170
8. Are tapes written in binary, coded or both? (e.g. BCD) ASCII	
9. What floating point representation is used? (e.g. CDC 64 bit) (Tape written in ascii)	
10. What integer representation is used? (Tape written in ASCII)	
11. No. of Physical Records (per file) File 1 – 1 File 2 – 287 File 3 – 368	
12. Are original tapes to be returned? ☑ Yes ☐ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) FILE1 – does not apply – is header file FILE2 – Start Time = 1979 day 81 21683 secs = 79/81/06 hrs 1 min 23 sec Stop Time = 1979 day 81 71983 secs = 79/81/19 hrs 59 min 43 sec FILE3 – start time = 1979 day 90 43285 secs = 79/90/12 hrs 1 min 25 sec Stop time = 1979 day 91 21518 secs = 79/91/ 5 hrs 58 mins 38 sec	

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

78-071A-02
6/22/81
CDB #6

DEPARTMENT OF PHYSICS

UNIVERSITY COLLEGE LONDON

MULLARD SPACE SCIENCE LABORATORY

Telephone: Forest Green 292 (STD Code 030 670)
Telex 859185

Holmbury St Mary
Dorking · Surrey
RH5 6NT

15th June 1981

Dr.J.Vette,
(CDB-6 Workshop),
Code 601.
G.S.F.C.

Dear Dr.Vette:

Please find enclosed a tape of data for imput to the CDAW 6 workshop.

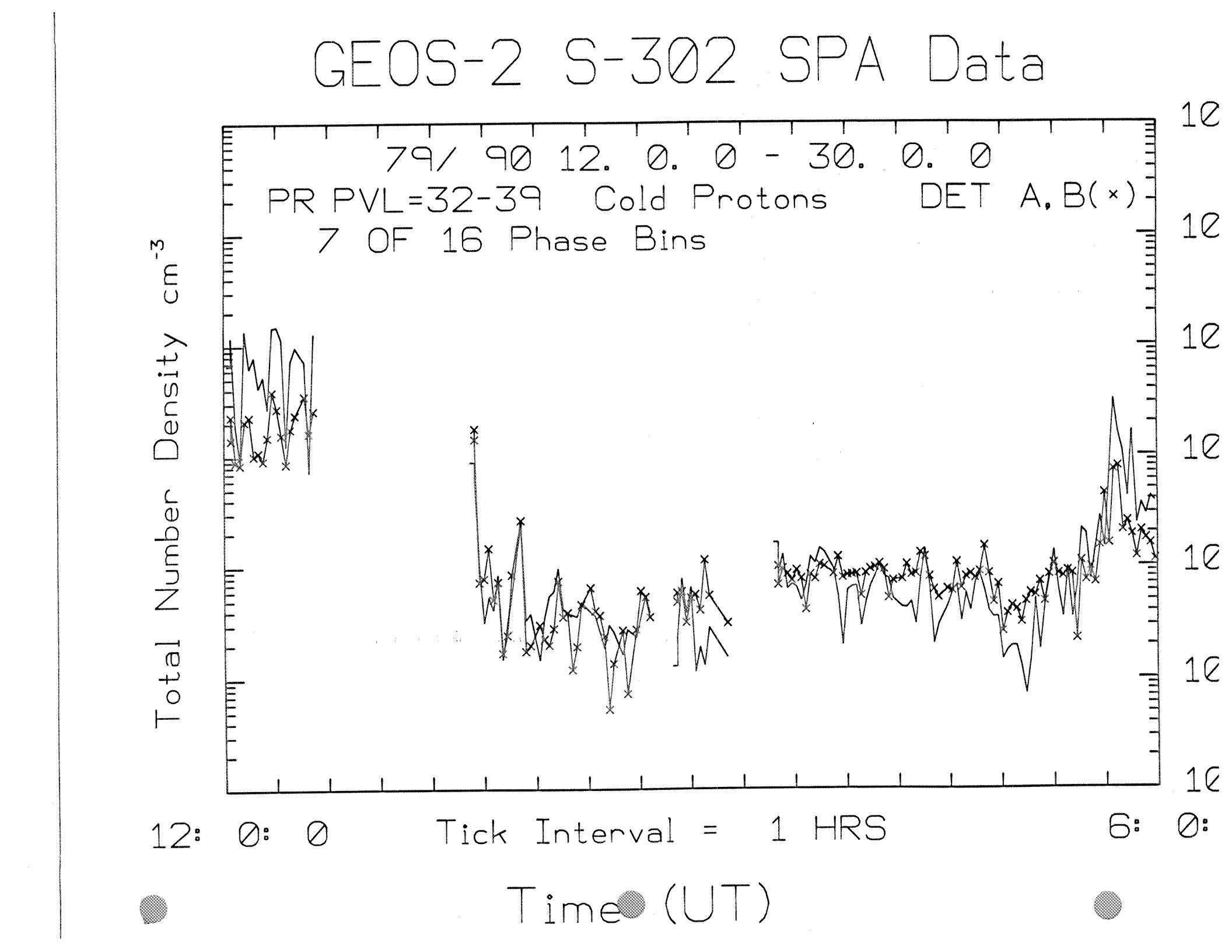
This tape contains 3 minute averages of our GEOS 2 data for the selected periods. I intend to produce another tape confirming higher time resolution data for sub-periods of interest and this will be sent along in due course.

Please let me know if you need more information.

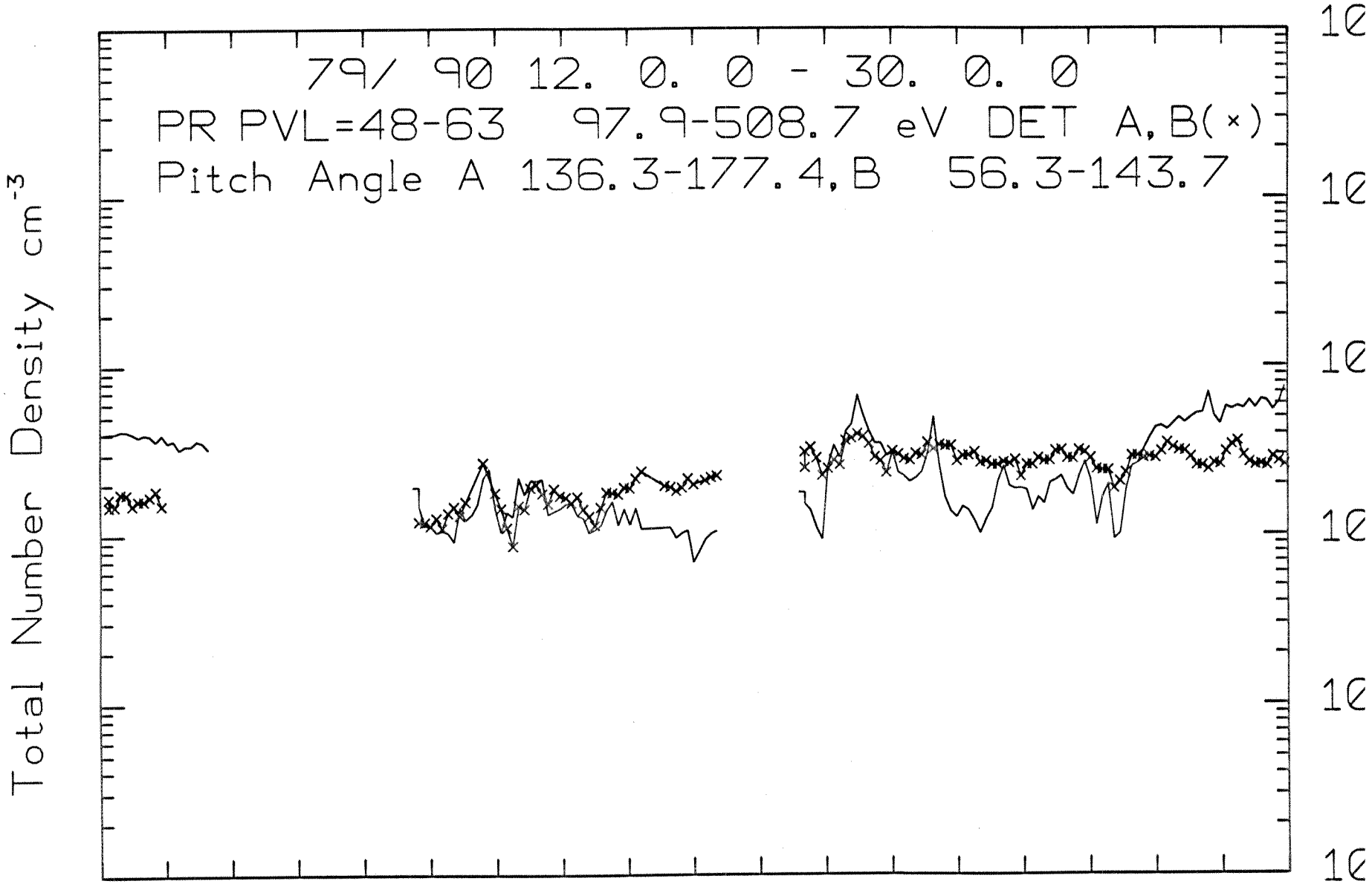
Yours sincerely,

Gordon L. Wrenn

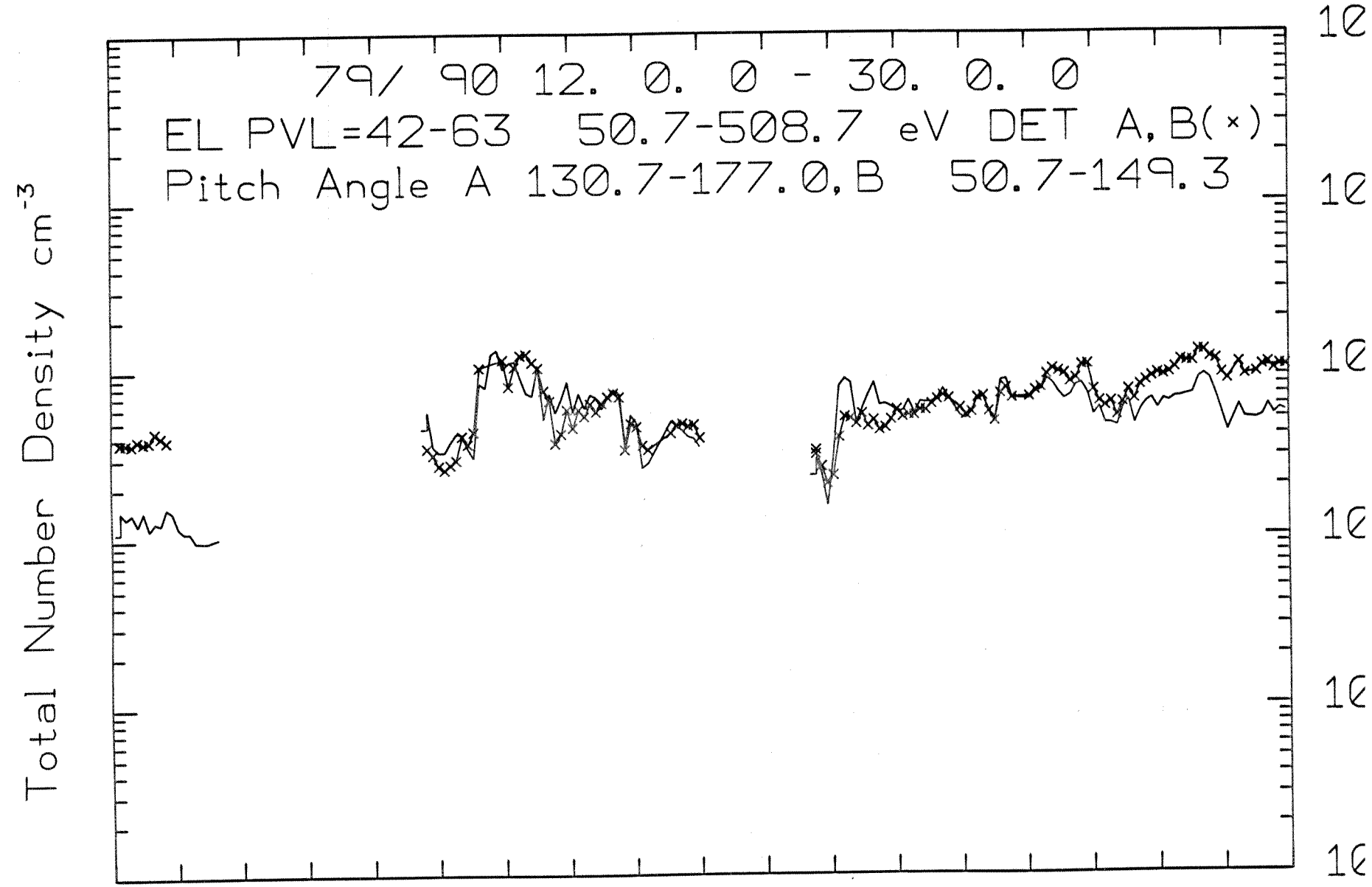
G.L.Wrenn


GEOS-2 S-302 SPA Data
79/ 90 12. 0. 0 - 30. 0. 0
PR PVL=32-39 Cold Protons DET A, B(×)
7 OF 16 Phase Bins
Total Number Density cm-3
10
10
10
10
10
10
10
12: 0: 0
Tick Interval = 1 HRS
6: 0:
Time (UT)

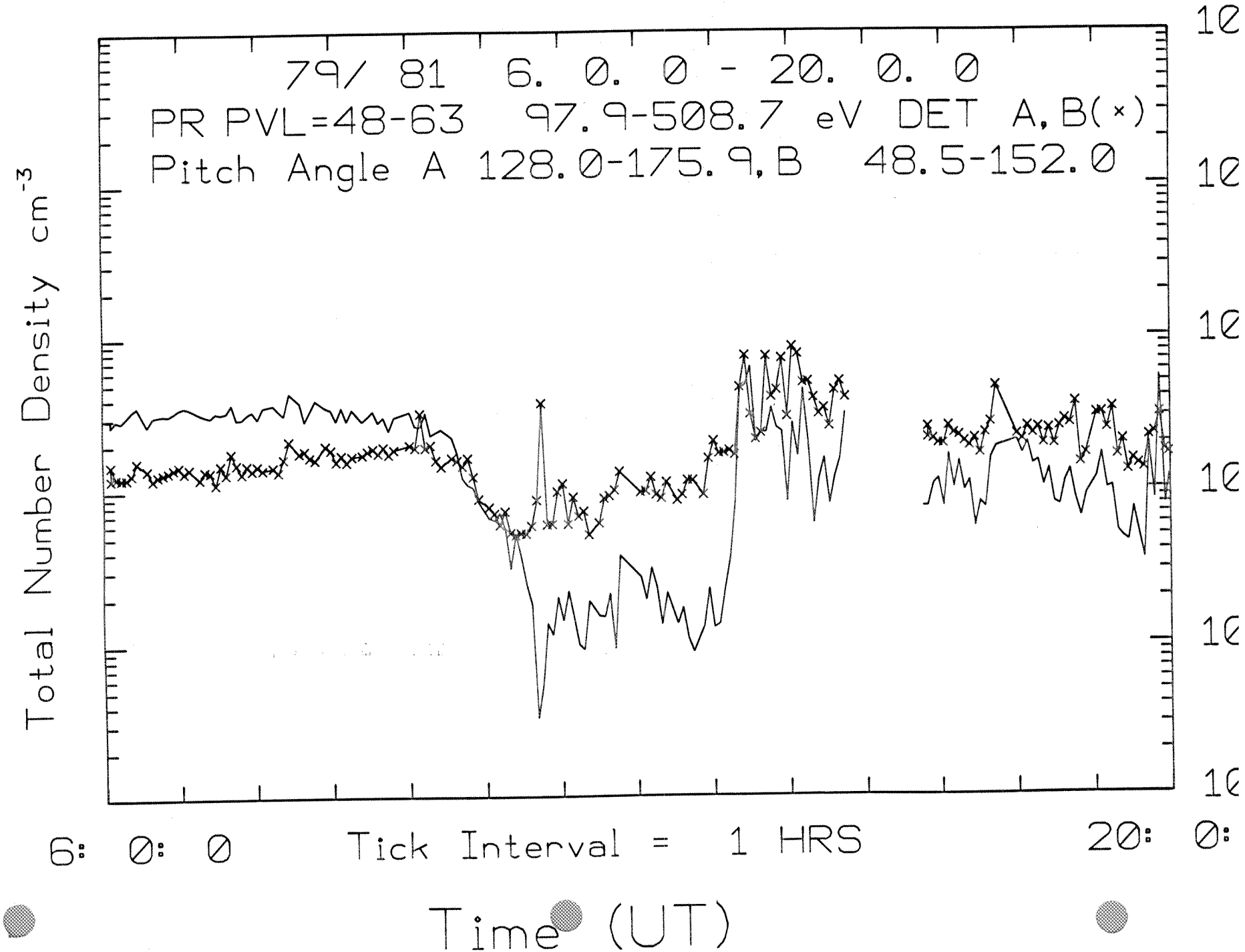
GEOS-2 S-302 SPA Data



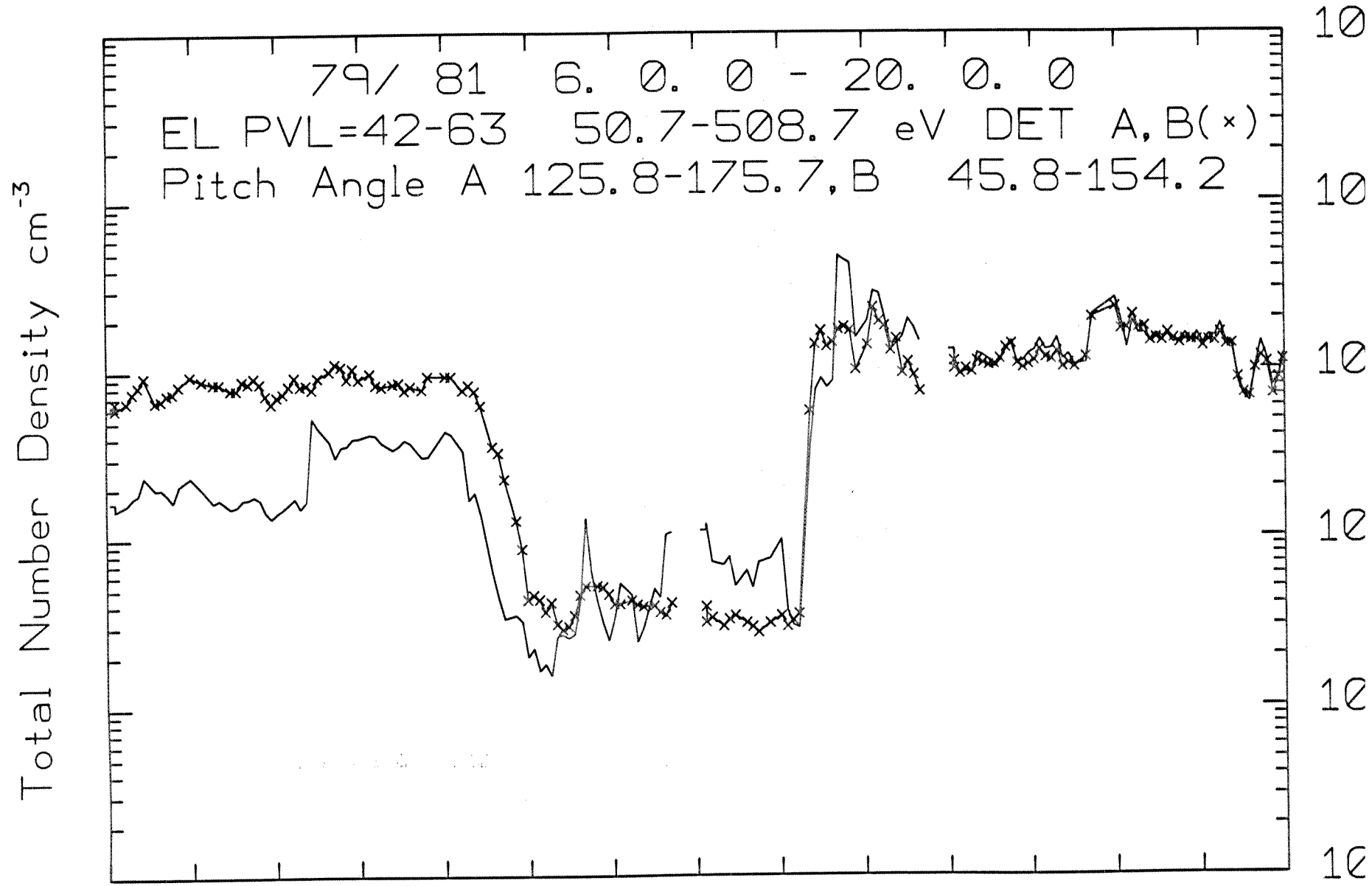
GEOS-2 S-302 SPA Data



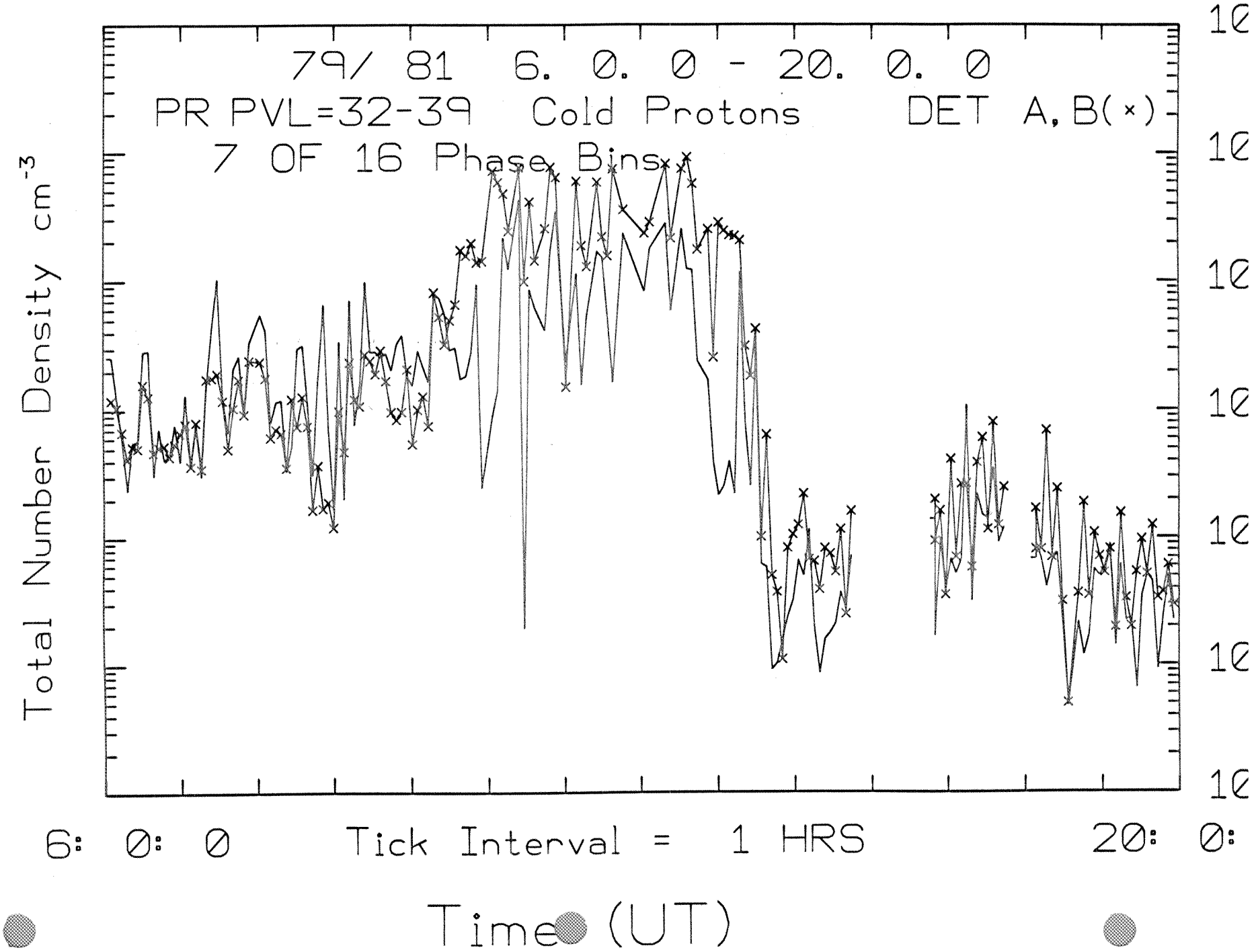
GEOS-2 S-302 SPA Data



GEOS-2 S-302 SPA Data



GEOS-2 S-302 SPA Data



Starting from column 1, the various parameters are:-

parameter	format	description and units
a) ISAT	I1,	satellite , i.e. 1 <=> GEOS-1
b) YEAR	I1,	7 8 9 0 or 1, i.e. 7 <=> 1977
c) DAY	I3,	day of year , i.e. 1 <=> 1st JAN
d) SECONDS	I5,	seconds of day
e) P.A.A.	I4,	Det. A pitch angle * 10, i.e. 300 <=> 30 Deg.
f) A EL DENSITY	I3,	density*100 (50-500 eV), i.e. 250 <=> 2.5 (cm**-3)
g) MEAN ENERGY	I3,	... for Det. A electrons, in eV
h) A PR DENSITY	I3,	density*100 (100-500 eV), in cm**-3
i) MEAN ENERGY	I3,	... for Det. A protons, in eV
j) P.A.B. MIN.	I4,	minimum Det. B pitch angle * 10, in deg.
k) P.A.B. MAX.	I4,	maximum Det. B pitch angle * 10, in deg.
l) B EL DENSITY	I3,	density*100 (50-500 eV), in cm**-3
m) MEAN ENERGY	I3,	... for Det. B electrons, in eV
n) P.A.B. MIN.	I4,	as above, but for protons
o) P.A.B. MAX.	I4,	as above, but for protons
p) B PR DENSITY	I3,	density*100 (100-500 eV), in cm**-3
q) MEAN ENERGY	I3,	... for Det. B protons, in eV
r) A COLD PR DEN	I3,	density*10 (Cold ~1 eV), i.e. 120 <=> 12 (cm**-3)
s) S/C POTENTIAL	I3,	in volts*10 , i.e. 50 <=> 5 V
t) B COLD PR DEN	I3,	density*10 (Cold ~1 eV), in cm**-3
u) DRIFT ANGLE	I3,	in deg. , 0 <=> Anti-sunward, 180 <=> Sunward

Divide by 10 to get do
" " 100 to get do
etc.

***N.B. code for no data is ALWAYS -1 !!!

***NOTES:

(i) Each record is 80 bytes.
(ii) 1 block = 1 record
(iii) All data is written to tape in A-format ASCII code.
To use parameters they must be read from tape in above specified integer formats.
(iv) The given times are associated with the start of each data interval which is of 176 seconds duration.
(v) Data gaps are flagged by the dummy -1 values.

Documentation by GW/RAG/AJN 7/JUN/81
Contained in file E376,53CDAH.TXT

D-45291

File 2 March 22, 1979 0600-2000
3 March 31, 1979 1200-0600

```
$NOP
$NOP
$NOP *
$NOP    ********   LSMOUT1   ******
$EXE TPLIST 55

INPUT PARAMETERS ARE:  AS FL=1 3

 TAPE NO.   1              FILE NO.   1
 RECORD    1               LENGTH    80
CDAW82   GEOS DATA - C/O G.WRENN/R.GOWEN  MSSL/HOLMBURY ST MARY/DORKING/ENGLAND.

 TAPE NO.   1              FILE NO.   1
 RECORD    1               LENGTH    80
CDAW82   GEOS DATA - C/O G.WRENN/R.GOWEN  MSSL/HOLMBURY ST MARY/DORKING/ENGLAND.

 TAPE NO.   1              FILE NO.   2
 RECORD    1               LENGTH    80
29 81216 3160 16 89 2256 8731126 66131 8731126 12255 13 69  8112

 TAPE NO.   1              FILE NO.   2
 RECORD   287              LENGTH    80
29 81719 331427 -1 -1 132261810  -1 -1 -1 6141385 16239 -1 -1 -1 -1

 TAPE NO.   1              FILE NO.   3
 RECORD    1               LENGTH    80
29 90432 651750 11107 40210 9461053 37153 9461053 15229 38 69  9180

 TAPE NO.   1              FILE NO.   3
 RECORD   368              LENGTH    80
29 91215 151644 -1 -1 8122915 10  -1 -1 -1 8361162 26255  3 45  1135

***** JOB DONE.
$EOJ LPS
```

ESA-GEOS 2

LOW ENERGY ION COMP MOMENTS DATA

78-071A-03A SPMS-00128

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 370 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
DR005853	DS005853	D046732	1 - 3	03/22/79 - 04/01/79

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

ESA GEOS 2

LOW ENERGY IONS COMP MOMENTS DATA

78-071A-03A

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

D#	C#	TIME SPAN
D-46732	C-21817	3/22/79,3/31/79,4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: [illegible]-03A

DATE DATA RECEIVED: 10/22/81

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

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

SATELLITE NAME/NSDF NAME: [illegible] GEOS 2

EXPERIMENT NAME:

DATA SET FULL NAME: Low energy ion [illegible] moments data

CONTACT: ACQUISITION SCIENTIST: [illegible]

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: [illegible]

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

ACCESSION UNIT NUMBERS: [illegible] 46732 C-21817

REMARKS:

PINK

CDAW

DATA RECEIPT NOTIFICATION SENT? ☐

Linda Moran

DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date October 27, 198

NSSDC ID 78-071A-03A
78-071A-03B

CDAW DATA SET ENTRY

Date Rcvd: October 21, 1981 CDB: 6

Data Sent By: D. Young / H. Balsiger

Material Rcvd: 2 tapes) 1600 bpi 9-track) (Bina
3 files
Documentation, Dumps

Satellite / NSRF Name: ESA-G-EOS 2

Data Set Name: 03A → LOW ENERGY ION COMPOSITION / MOMENTS (TAPE WDC 6.0)
03B → LOW ENERGY ION COMPOSITION / ORBINAL DATA (TAPE WDC 6.1)

☒ New Data Set ☐ Additions ☐ Replacements

Comments 2 Data Sets since different formats

Time Coverage: March 22, March 31 and April 1

~~Tapes To be Returned to:~~ Not to Be Returned

Please return DUMPS to us. Please provide additional DUMPS. Thanks

Completed By: K. Headley

78-071A-03A CDB 6 10/26/81

CDAW6

Form completed 20.7.81

DATA ANALYSIS WORKSHOP CENTER

NASA
National Aeronautics and Space Administration

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: ESA/GEOS-2 LOW-ENERGY ION COMPOSITION < ORIGINAL (TAPE 1) MOMENTS (TAPE 2)

2. Scientific Contact: D.T. YOUNG / HANS BALSIGER

3. Telephone No. or Telex No.: 41/31/654414 TX: 32320

4. Address: PHYSIKALISCHES INSTITUT, UNIVERSITY OF BERN, SIDLERSTR. 5

5. City: CH-3012 BERN

6. State: —

7. ZIP Code or Country: SWITZERLAND

8. Programmer Contact: D.T. YOUNG / H. BALSIGER / U. RETTENMUND

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: ~~ONE~~ TWO (ORIGINAL DATA / MOMENT AVERAGES)

2. Tape Density: ☐ 800 bpi ☒ 1600 bpi

3. No. of Files (per tape): 23

4. No. of End of File Marks: 1 + END OF TAPE

5. No. of Tracks: ☐ 7 ☒ 9

6. Recording Parity: ODD

7. Make and Model of Computer Used to Generate Tape: IBM

8. Are tapes written in binary, coded or both? (e.g. BCD): BINARY

9. What floating point representation is used? (e.g. CDC 64 bit): IBM 32

10. What integer representation is used?: IBM 32 AND 16 BIT

11. No. of Physical Records (per file): SEE DUMP FOR NO. REC. PER FILE.

12. Are original tapes to be returned? ☐ Yes ☒ No

13. Start and Stop Time of Each File (If more space is needed, please attach.)

FILE 1: 0600 - 2000 UT 79081 (22.3.79)
" 2: 1200 - 2400 UT 79090 ~~79011~~ (31.3 — ~~1.4.79~~)
" 3: 2400 - 0600 UT 79091 (1.4.79)

WDC6. ~~23~~ whole Days

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

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

CDB No.

Date Received

Tape No.

Tape WDC 6.0

ESA-GEOS 1/2 Low Energy Ion Composition/Moments

Description of RECORD FORMAT for CDAW 2 (same for CDAW 6; 20.7.81)

Prepared by D.T. Young and L. Weber
University of Bern 2 August 1979

Moments given on this tape are calculated over the following energy per unit charge ranges:

Ion	Range
H^+	25 - 16400 eV/e
He^{++}	25 - 16400 eV/e
He^+	25 - 16400 eV/e
O^{++}	25 - 13920 eV/e
O^+	25 - 13920 eV/e

Data is written in ~~(constant)~~ blocks of 1680 bytes (See Dump!)
(RECFM = VBS)

Item	Data	Type	Length (bytes)
A	(Record length)		(4)
1	Day number	I	4
2	UT Start HH.MM	R	4
	" " SS.SS	R	4
	UT Stop HH.MM	R	4
	" " SS.SS	R	4
3	No. of header lines (k)	I	4
4	No of ion species (n)	I	4
			32
B	(Record length)		(4)
5	Ion species	CHARACTER	4
6	Number density	R	4
7	Mean total flux	R	4
8	Mean differential flux	R	4
9	Mean energy	R	4

Notes on data

Item	Comment
A	Header record. This is repeated k times where k is given by item 3.
2	Start and stop times cover period of integration over which moments are calculated.
3	For CDAW 2, k = 1 } Same for CDAW 6.
4	For CDAW 2, n = 5 } Same for CDAW 6.
B	Data record, repeated n times.
5	Ion species are H^+, He^{++}, He^+, O^{++} and O^+ in that order.
6	Density in [cm^{-3}]
7	Total flux in [$cm^{-2}s^{-2}$]
8	Differential flux [$cm^{-2}s^{-1}sr^{-1}eV^{-1}$]
9	Mean Energy [eV e^{-1}] (i.e. eV per unit charge)
10	Background [counts s^{-1}]

Tape WDC 6.1 (1)

TAPE FORMAT description for GEOS-1/2 Experiment S303

Prepared by L. Weber and D.Young
University of Bern

18 August 1978

Notes: 1) Data are written so that they can be accessed by an unformatted READ statement in either FORTRAN or PL/1.

2) Tapes were written with an IBM 370/178 (CDAW 6.0 : IBM 3033

Writing program parameters:

RECFM = VBS, LRECL = 628, BLKSIZE = 10176.

PHYSICAL RECORD (= BLOCK)

Data	Length (bytes)
(Physical record length)	(4)
Slow auxiliary data record	124
Experiment data record 1	628
" 2	628
. .	.
. .	.
. .	.
Experiment data record 16	628
total =	10176

Notes: 3) Physical ~~Experiment~~ data record corresponds to 88.064 sec of real time operation = 64 s/c formats. = 16 × 4-Format units

4) Only valid data with good quality are written.

SLOW AUXILIARY DATA RECORD

Item	Data	Type	Length (bytes)
	(Record length)	—	(4)
1.	Format counter	integer	4
2.	Year (YY)	"	2
	Day of year (DDD)	"	2
	Hours UT corresponding to format counter	"	2

SLOW AUXILIARY DATA continued

/3/	Local time (HH.MM)	real	4 byt
4.	Radial distance in units of 10 km	integer	4
	Laditude in degrees x 100	"	2
	Longitude in degrees x 100	"	2
5.	Plasma frequency in units of 5 Hz	"	2
6.	Direction cosines of spin axis in VDH system normalized to 10000 — V	"	2
	D	"	2
	H	"	2
7.	Direction cosines of magnetic dipole in VDH normalized to 10000 — V	"	2
	D	"	2
	H	"	2
8.	Direction cosines of sun in VDH normalized to 10000 — V	"	2
	D	"	2
	H	"	2
9.	Rate of change of radial distance (km/hour)	"	2
	" " " " latitude (degrees x 100/hour)	"	2
	" " " " longitude (degrees x 100/hour)	"	2
10.	Spacecraft housekeeping data, 9 words of 2 bytes each (5)	"	18
11.	Payload status index, 4 words of 4 bytes each (5)	"	16
	Spare	character	32
		total =	124

Notes: 5) Description of housekeeping and payload status are contained in ESOC document JA/JA/11.

6) Dummy auxiliary data record has the same configuration as above but all integer and real data are set to zero.

EXPERIMENT DATA RECORD

Item	Data	Type	Length (byte
	(Record length)	—	(4)
1.	Fast auxiliary data[7], 9 words of 2 bytes each + 1 spare	integer	20
2.	Hours UT of the first bit of the first ~~four~~ format unit unit (FFU)	"	2
	Minutes UT	"	2
	Seconds. msec UT	real	4
3.	Exp. telecommand word 1 of first FFU[8]	integer	4
	" " " 2 " " "	"	4
	" " " 1 of last FFU[8]	"	4
	" " " 2 " " "	"	4
	Spare (4 words)	"	16
3.	Reset position of first CMD execution flag[9]	"	2
	" " " last " " "	"	2
4.	Analog housekeeping data of first FFU[10]	"	8
	" " " " second "	"	8
	" " " " third "	"	8
	" " " " fourth "	"	8
	Spare	character	16
5.	Energy step number sample 1[11]	integer	2
	" " " " 2	"	2
	. .	.	.
	. .	.	.
	. .	.	.
	Energy step number sample 32	"	2
6.	Mass step number sample 1[11]	"	2
	" " " " 2	"	2
	. .	.	.
	. .	.	.
	. .	.	.
	Mass step number sample 32	"	2
7.	Mass detector variable DL (MVAR)[11] sample 1	real	4

EXPERIMENT DATA RECORD continued

9.	Energy detector (ED) sample 1 (11)	"	4 byt
7.	MVAR sample 2	real	4
8.	MFIX " 2	"	"
9.	ED " 2	"	4
	. .	.	.
	. .	.	.
	. .	.	.
7.	MVAR sample 32	"	4
8.	MFIX " 32	"	4
9.	ED " 32	"	4
		total =	628

Notes: 7) Contents of FAST AUXILIARY DATA:

Item			Type	Length (byt
1a.	First Euler angle in degrees x 100		Integer	2
	Second " " " "		"	2
	Third " " " "		"	2
1b.	Angular velocity in degrees x 100 rotated per format		"	2
1c.	Magnetic field in 10^{-6} Gauss (= 0.1 gamma = 0.1 nT)	V	"	2
		D	"	2
		H	"	2
1d.	Magnetic field angles relative to s/c axes in degrees x 100	polar	"	2
		azimuth	"	2
				2018

8) If the CMD word changes in the first or last FFU then this CMD word is not valid (see Note (9)) and the next value of the CMD word should be used.

9) Gives the sample number (1-32) where a new telecommand is executed. If more than one CMD is executed in a FFU (which is not likely) then the sample number of the las executed CMD is also given. If there is no new CMD duri the FFU then this is set to 99.

11) A single experiment sample consists of:

Energy step, Mass step, MVAR, MFIX, ED

for each of 32 samples per FFU. The detector counting rates MVAR, MFIX and ED are given in units of counts per 0.150 second (= 1 sample) corrected for dead time of 1.0 μsec.

12) Dummy experiment data record: Hours UT, Energy step and Mass step are set to 99. All other data is set to zero.

D-46732
3/20/79, 3/31/79, 4/1/79

DUMP OF TAPE X-395

INPUT TAPE X-395 ON MT2
DATA INPUT H9 NF 3 SR 1 1 1 SR 2 1 1 SR 3 1 1

FILE 1 RECORD 1 LENGTH 79081 BYTES

(0)	06840000	00200000	000134E9	41602BF5	412AB1E0	4160F5C1	4236C09F	00000001	00000005	001C0000
(40)	C84E4040	4073288A	47230DBF	44430293	4412703E	41462EC7	001C0000	C8C54E4E	3F13C7A5	457E5E03
(80)	C21A982C	442A9E90	41462EC7	001C0000	C8C54E40	3FA79532	461E4471	4328A065	4417FC8C	41462EC7
(120)	001C0000	D64E4E40	BF116BCE	C510F785	C2B43A07	437E7AD4	41462EC7	001C0000	D64E4040	4037D41E
(160)	463B99C3	43826D7A	43DE8BCB	41462EC7	00200000	000134E9	4162147A	4224BB6E	41630A3C	421CD0EF
(200)	00000001	00000005	001C0000	C84E4040	4081C834	4729AA37	444EB5C6	4414C2C3	414271F7	001C0000
(240)	C8C54E4E	3E7AAC7A	45197FCD	42354078	43DF9B9E	414271F7	001C0000	C8C54E40	4011FF93	4627F8C9
(280)	438F367A	4410F937	414271F7	001C0000	D64E4E40	3F498E98	458BEB8E	42B7AFB8	4415E5D3	414271F7
(320)	001C0000	D64E4040	4032A310	46305D76	437D9115	43B187DD	414271F7	00200000	000134E9	416428F5
(360)	41286444	4164F5C1	42369BC4	00000001	00000005	001C0000	C84E4040	407D6D81	47282C36	44464EA0
(400)	4413FA29	41451512	001C0000	C8C54E4E	3F1665C4	456C772A	4231894E	441A2E49	41451512	001C0000
(440)	C8C54E40	3FF516BC	461EFC45	43820D32	43EB9BD6	41451512	001C0000	D64E4E40	BEE81A51	44D1FE03
(480)	C24F500B	C41B65B0	41451512	001C0000	D64E4040	404491F8	4645E6B0	43AF8E49	43CEAE8C	41451512
(520)	00200000	000134E9	4166147A	42249693	41670A3C	421CAC14	00000001	00000005	001C0000	C84E4040
(560)	40760996	47237B5C	444A1D4D	44129372	41441B37	001C0000	C8C54E4E	3E215A5F	451EA494	C298DB34
(600)	44480C0D	41441B37	001C0000	C8C54E40	3FCAFAE0	46161635	43930BB4	43D5D647	41441B37	001C0000
(640)	D64E4E40	3F30421E	459BA74C	C21EB0FF	442EBE5A	41441B37	001C0000	D64E4040	4038E9B5	4638186A
(680)	4379D982	43C6E40F	41441B37	00200000	000134E9	416828F5	416822E4	4168F5C1	423A9BC7	00000001
(720)	00000005	001C0000	C84E4040	4086FBDC	472A0AEB	4458554E	4413DE83	414C873F	001C0000	C8C54E4E
(760)	3D9681E5	4515F94E	C270A1E1	44FD4B09	414C873F	001C0000	C8C54E40	4010CB9C	4621D1C7	4393591B
(800)	43F3DC84	414C873F	001C0000	D64E4E40	BF1671C5	C52F1877	426346A4	4415E6E0	414C873F	001C0000
(840)	D64E4040	403B1752	46416E7B	4378C609	43EEBEBD	414C873F	00200000	000134E9	417028F5	41255150
(880)	4170F5C1	42366A95	00000001	00000005	001C0000	C84E4040	40881EED	47292362	44571CDA	441294CE
(920)	41451512	001C0000	C8C54E4E	3F108E2D	4580FB85	C28FAE18	4437F18C	41451512	001C0000	C8C54E40
(960)	401572D5	4618D634	44130C48	43718F97	41451512	001C0000	D64E4E40	3F179FCC	445DD47A	426D7907
(1000)	C3C34734	41451512	001C0000	D64E4040	403C07F2	463E0ECB	43903814	43DA095E	41451512	00200000
(1040)	000134E9	417428F5	412303AF	4174F5C1	423649D3	00000001	00000005	001C0000	C84E4040	4079078E
(1080)	4723F80C	4458D2B8	4412D28E	414D3E16	001C0000	C8C54E4E	BEBDBDD6	4477536B	C3118038	C3B0FF5C
(1120)	414D3E16	001C0000	C8C54E40	3FE2A018	461F14FB	4366AD82	441148A4	414D3E16	001C0000	D64E4E40
(1160)	3EFB9D47	448467A9	42779053	434E00C4	414D3E16	001C0000	D64E4040	4031B087	462FC60E	43A8708D
(1200)	43C6EEF6	414D3E16	00200000	000134E9	4176147A	421F439A	41770A3C	4217591B	00000001	00000005
(1240)	001C0000	C84E4040	4081E14A	4727B198	4457B20D	44134B08	414B2A86	001C0000	C8C54E4E	3F2268A2
(1280)	45A179C1	43174C55	4422FDE8	414B2A86	001C0000	C8C54E40	401703D5	4624F950	4410D13B	43BF1804
(1320)	414B2A86	001C0000	D64E4E40	BF2E4398	C517F9C2	C3165A2B	4316E2E8	414B2A86	001C0000	D64E4040
(1360)	40372534	4633B37E	438A5B16	43B22259	414B2A86	00200000	000134E9	417828F5	41134D1	4178F5C1
(1400)	423548CD	00000001	00000005	001C0000	C84E4040	408156CC	4720D137	447CACCE	43F265DD	414E12B6
(1440)	001C0000	C8C54E4E	3F10FB65	451A026A	42CEB7F9	4342D757	414E12B6	001C0000	C8C54E40	4015EBCD
(1480)	461DBD0B	4414BCCE	43AC718C	414E12B6	001C0000	D64E4E40	3F58AABC	459A6C17	431EFECD	44149E7F
(1520)	414E12B6	001C0000	D64E4040	40470874	463AC7A2	44133DFD	43A4ACB4	414E12B6	00200000	000134E9
(1560)	418028F5	411FF0C0	4180F5C1	423618A4	00000001	00000005	001C0000	C84E4040	40812CB0	471FAE7F
(1600)	4486D85A	43ED0255	41413307	001C0000	C8C54E4E	3F3CA827	45C202F1	43140FBF	43E7D9FB	41413307
(1640)	001C0000	C8C54E40	401AD52C	4621BDB1	4418427B	4392E992	41413307			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	7	7	1668	0	0	0	0	0	0

FILE 2 RECORD 1 LENGTH 79080 BYTES

(0)	06840000	00200000	000134F2	41C028F5	4137C097	41C0F5C1	42379189	00000001	00000005	001C0000
(40)	C84E4040	4093A824	47396ABF	4469973A	441ECD3B	4181916F	001C0000	C8C54E4E	3F5C7667	45A7E63F
(80)	435FEA3B	43B55EAC	41819167	001C0000	C8C54E40	4010C0F6	461CECE8	43B53F90	43DA723E	4181916F
(120)	001C0000	D64E4E40	BEBAF0A2	C52D2365	C212D9D2	44393DE8	4181916F	001C0000	D64E4040	402C4740
(160)	4632929D	43A877D5	44130B20	4181916F	00200000	000134F2	41C2147A	42226FAA	41C30A3C	421A8943
(200)	00000001	00000005	001C0000	C84E4040	408D16B3	473BB307	44449C09	4421631D	41743D84	001C0000
(240)	C8C54E4E	3F2A3A18	4520F12C	433F7D84	43225E5B	41743D84	001C0000	C8C54E40	4012A389	46200CE3
(280)	43DEC744	43E10FCC	41743D84	001C0000	D64E4E40	3F5F1911	4591E3F2	43104A3B	43F2FF9F	41743D84
(320)	001C0000	D64E4040	402DF894	463BB09A	435B5493	4415462E	41743D84	00200000	000134F2	41C428F5

(440)	C8C54E40	4013D8B7	462357C9	43CB759A	43D7EF39	41697B52	001C0000	D64E4E40	3F18F8BD	452B26C7
(480)	43134A3E	44133420	41697B52	001C0000	D64E4040	4032ED92	463CAA9D	43ABECC4	44140A4A	41697B52
(520)	00200000	000134F2	41C6147A	422146B4	41C70A3C	42195C35	00000001	00000005	001C0000	C84E4040
(560)	4085CC7F	4748378F	447FD531	441FD036	417F68C7	001C0000	C8C54E4E	BF175493	C5775DA5	C2489091
(600)	4420150E	417F68C7	001C0000	C8C54E40	401BCE10	4621B6C9	44192AB6	43895400	417F68C7	001C0000
(640)	D64E4E40	3F84271E	45B96DEA	433330AB	43F8D0E1	417F68C7	001C0000	D64E4040	401EEC13	462C6C9D
(680)	434EAD38	44197C6E	417F68C7	00200000	000134F2	41C828F5	412AE392	41C8F5C1	4236C7D2	00000001
(720)	00000005	001C0000	C84E4040	40AB097D	4746497E	4462A674	44207402	41715839	001C0000	C8C54E4E
(760)	3F4EB78B	45B39B1B	43407C87	43A5B0C1	41715839	001C0000	C8C54E40	401351A3	46201FB9	43D6CBDC
(800)	43C855FF	41715839	001C0000	D64E4E40	3F125F16	456F57F1	427FBC69	447E05BE	41715839	001C0000
(840)	D64E4040	40293600	463C6DA9	43460670	4418C56A	41715839	00200000	000134F2	41D028F5	41326002
(880)	41D0F5C1	42373D80	00000001	00000005	001C0000	C84E4040	40D50631	474B0089	44C19C23	441B4AAB
(920)	41772FA0	001C0000	C8C54E4E	3F254924	C49E9198	4344281F	C31D16BC	41772FA0	001C0000	C8C54E40
(960)	401BFAA8	46301A8F	4415CAF2	43E9F0F5	41772FA0	001C0000	D64E4E40	3F8E9B07	46124687	43199B0C
(1000)	44193120	41772FA0	001C0000	D64E4040	40249163	462EC525	436F105C	44159F5D	41772FA0	00200000
(1040)	000134F2	41D428F5	41305380	41D4F5C1	42371ABB	00000001	00000005	001C0000	C84E4040	40CE109C
(1080)	4748D028	44A95523	441A581F	416A4FF2	001C0000	C8C54E4E	3F2EC215	4576A0BB	4331E405	43FD1521
(1120)	416A4FF2	001C0000	C8C54E40	40239ABE	4634C3EA	441EDF35	43B9629C	416A4FF2	001C0000	D64E4E40
(1160)	3F86963E	45E6ACCB	4326BB9E	44141500	416A4FF2	001C0000	D64E4040	402D1E4A	463E72C6	4387A99E
(1200)	44187F02	416A4FF2	00200000	000134F2	41D6147A	421F906A	41D70A3D	4217AA02	00000001	00000005
(1240)	001C0000	C84E4040	40F164C8	474068CF	45137B7E	4412BD18	416BF78B	001C0000	C8C54E4E	3F42FAF4
(1280)	45B5FCED	431FF2A6	43B9F506	416BF78B	001C0000	C8C54E40	4016A709	4622E1A1	441299EF	43BC1106
(1320)	416BF78B	001C0000	D64E4E40	3F43C995	45AC82CC	42726BEC	4423CEBF	416BF78B	001C0000	D64E4040
(1360)	402B6750	463C8E41	435D0173	44175079	416BF78B	00200000	000134F2	41D828F5	40FC03FD	41D8F5C1
(1400)	42351184	00000001	00000005	001C0000	C84E4040	40EDCD87	47419E55	4511A581	441302D4	417E2B15
(1440)	001C0000	C8C54E4E	3D298141	45414941	C2EEB3D5	45DAB35C	417E2B15	001C0000	C8C54E40	401B7B66
(1480)	46274E14	4416A705	43A1AB65	417E2B15	001C0000	D64E4E40	BF198919	44404957	C24CE6C5	C410BC67
(1520)	417E2B15	001C0000	D64E4040	403163E7	4635BC3D	43A02323	4410F556	417E2B15	00200000	000134F2
(1560)	41E028F5	412D40F6	41E0F5C1	4236E98F	00000001	00000005	001C0000	C84E4040	40CDBEDF	473D8299
(1600)	44CBA374	441480E6	41729E31	001C0000	C8C54E4E	3F157E40	45299030	42A2EB96	434893BD	41729E31
(1640)	001C0000	C8C54E40	4024DA96	462E5B05	44209F03	43895F8A	41729E31			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	17	17	1668	0	0	0	0	0	0

FILE 3 RECORD 1 LENGTH 19091 BYTES

(0)	06840000	00200000	000134F3	3FF5C284	42369133	4011EB84	42266D71	00000001	00000005	001C0000
(40)	C84E4040	00000000	00000000	00000000	00000000	4145C477	001C0000	C8C54E4E	00000000	00000000
(80)	00000000	00000000	4145C477	001C0000	C8C54E40	3F41B6D2	45417A1D	43270FEB	43301171	4145C477
(120)	001C0000	D64E4E40	3F2CE153	4514E403	431A6B90	43149B0D	4145C477	001C0000	D64E4040	401EDDFF
(160)	45DF06E3	43A770F6	4329123C	4145C477	00200000	000134F3	4011EB84	4226997A	40147AE0	421675CE
(200)	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	4136C456	001C0000
(240)	C8C54E4E	00000000	00000000	00000000	00000000	4136C456	001C0000	C8C54E40	3F34668A	452C800D
(280)	431F1299	4321266C	4136C456	001C0000	D64E4E40	3F121890	4510927F	42100574	433A8EFC	4136C456
(320)	001C0000	D64E4040	4029FB2C	46124FA9	43C2D53D	4324743D	4136C456	00200000	000134F3	40147AE0
(360)	4216A1D7	40170A3C	4167E15C	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000
(400)	00000000	414A18B1	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	414A18B1	001C0000
(440)	C8C54E40	3F6839B0	45723F96	432B99CA	4332E9D6	414A18B1	001C0000	D64E4E40	3E4A8758	4416C1FC
(480)	424CEFF0	43233337	414A18B1	001C0000	D64E4040	401C20CF	45DA65E4	436865A4	43283A93	414A18B1
(520)	00200000	000134F3	40170A3C	416AA1DF	40170A3C	42328672	00000001	00000005	001C0000	C84E4040
(560)	00000000	00000000	00000000	00000000	4156FB98	001C0000	C8C54E4E	00000000	00000000	00000000
(600)	00000000	4156FB98	001C0000	C8C54E40	3E9E0CCA	45101674	C240FEE0	43420FCD	4156FB98	001C0000
(640)	D64E4E40	BEB2A77B	4495A786	C2FDE821	C3772FBD	4156FB98	001C0000	D64E4040	401D855A	45E01AF3
(680)	437D2D9E	432843A9	4156FB98	00200000	000134F3	40170A3C	4232B27B	40199998	42228EB8	00000001
(720)	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	4143A73D	001C0000	C8C54E4E
(760)	00000000	00000000	00000000	00000000	4143A73D	001C0000	C8C54E40	3F1C7286	45152B77	42DD2A5A
(800)	4315B9A0	4143A73D	001C0000	D64E4E40	3E8C9660	4499A18A	4249F3C4	437253C9	4143A73D	001C0000
(840)	D64E4040	40295CA0	4613914F	43B587EE	4328FF7E	4143A73D	00200000	000134F3	40199998	4222BAC1
(880)	401C28F5	42129758	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000
(920)	415D6D0C	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	415D6D0C	001C0000	C8C54E40
(960)	3F4FCD78	45376CE0	433AA93C	43166854	415D6D0C	001C0000	D64E4E40	3E40A411	C49CADBE	42C94274
(1000)	C4102D2A	415D6D0C	001C0000	D64E4040	40155E81	45923866	43735525	43248B5F	415D6D0C	00200000
(1040)	000134F3	401C28F5	4212C361	401EB851	4129F9ED	00000001	00000005	001C0000	C84E4040	00000000

ESA-GEOS 2

LOW ENERGY ION COMP ORIGINAL DATA

78-071A-03B SPMS-00250

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 370 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
DR005854	DS005854	D046750	1 - 3	03/22/79 - 04/01/79

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

ESA GEOS 2

LOW ENERGY ION COMP. ORIGINAL DATA

78-071A-03B

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

D#	C#	TIME SPAN
D-46750	C-21848	3/22/79,3/31/79,4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 72-077A-03B

DATE DATA RECEIVED: 11/12/81

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:	1 Mag Tape

SATELLITE NAME/NSDF NAME: ESA GEOS 2

EXPERIMENT NAME:

DATA SET FULL NAME: LOW ENERGY ION COMP. ORIGINAL 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 - 46758 C-21848

REMARKS:

PINK

1600, bin, 9trk 3 files

3/22
3/31
4/1/79

CDAW

DATA RECEIPT NOTIFICATION SENT? ☐

Linda Hinga
DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

CDAW6

Form completed 20.7.81

DATA ANALYSIS WORKSHOP CENTER

NASA
National Aeronautics and Space Administration

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name
ESA/GEOS-2 LOW-ENERGY ION COMPOSITION < ORIGINAL (TAPE 1) ~~MOMENTS (TAPE 2)~~

2. Scientific Contact
D.T. YOUNG / HANS BALSIGER

3. Telephone No. or Telex No.
41/31/654414 TX: 32320

4. Address
PHYSIKALISCHES INSTITUT, UNIVERSITY OF BERN, SIDLERSTR. 5

5. City
CH-3012 BERN

6. State
—

7. ZIP Code or Country
SWITZERLAND

8. Programmer Contact
D.T. YOUNG / H. BALSIGER / U. RETTENMUND

SECTION II. TAPE DESCRIPTION (only replacement tape for WDC 6.1)

1. No. of Tapes Submitted
ONE ~~TWO~~ (ORIGINAL DATA / ~~MOMENT AVERAGES~~)

2. Tape Density ☐ 800 bpi ☒ 1600 bpi

3. No. of Files (per tape) 13

4. No. of End of File Marks
1 + END OF TAPE

5. No. of Tracks ☐ 7 ☒ 9

6. Recording Parity
ODD

7. Make and Model of Computer Used to Generate Tape
IBM

8. Are tapes written in binary, coded or both? (e.g. BCD)
BINARY

9. What floating point representation is used? (e.g. CDC 64 bit)
IBM 32

10. What integer representation is used?
IBM 32 AND 16 BIT

11. No. of Physical Records (per file)
SEE DUMP FOR NO. REC. PER FILE.

12. Are original tapes to be returned? ☐ Yes ☒ No

13. Start and Stop Time of Each File (If more space is needed, please attach.)

FILE 1: 0600 - 2000 UT 79081 (22.3.79)
" 2: 1200 - 2400 UT 79090 ~~0911~~ (31.3 — ~~1.4.79~~)
" 3: 2400 - 0600 UT 79091 (1.4.79)

WDC 6.1
~~2 Days~~
whole Days

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

(duplicate of WDC 6.1)

TAPE FORMAT description for GEOS-1/2 Experiment S303

Prepared by L. Weber and D.Young
University of Bern

18 August 1978

Notes: 1) Data are written so that they can be accessed by an unformatted READ statement in either FORTRAN or PL/1.

2) Tapes were written with an IBM 370/178 (CDAW 6.0 : IBM 3033

Writing program parameters:

RECFM = VBS, LRECL = 628, BLKSIZE = 10176.

PHYSICAL RECORD (= BLOCK)

Data	Length (bytes)
(Physical record length)	(4)
Slow auxiliary data record	124
Experiment data record 1	628
" 2	628
. .	.
. .	.
. .	.
Experiment data record 16	628
total =	10176

Notes: 3) Physical ~~Experiment~~ data record corresponds to 88.064 sec of real time operation = 64 s/c formats. = 16 × 4-Format units

4) Only valid data with good quality are written.

SLOW AUXILIARY DATA RECORD

Item	Data	Type	Length (bytes)
	(Record length)	—	(4)
1.	Format counter	Integer	4
2.	Year (YY)	"	2
	Day of year (DDD)	"	2
	Hours UT corresponding to format counter	"	2
	Minutes UT	"	2

SLOW AUXILIARY DATA continued

3.	Local time (HH.MM)		real	4 byt
4.	Radial distance in units of 10 km		integer	4
	Laditude in degrees x 100		"	2
	Longitude in degrees x 100		"	2
5.	Plasma frequency in units of 5 Hz		"	2
6.	Direction cosines of spin axis in VDH system normalized to 10000	V	"	2
		D	"	2
		H	"	2
7.	Direction cosines of magnetic dipole in VDH normalized to 10000	V	"	2
		D	"	2
		H	"	2
8.	Direction cosines of sun in VDH normalized to 10000	V	"	2
		D	"	2
		H	"	2
9.	Rate of change of radial distance (km/hour)		"	2
	" " " " latitude (degrees x 100/hour)		"	2
	" " " " longitude (degrees x 100/hour)		"	2
10.	Spacecraft housekeeping data, 9 words of 2 bytes each (5)		"	18
11.	Payload status index, 4 words of 4 bytes each (5)		"	16
	Spare		character	32
			total =	124

Notes: 5) Description of housekeeping and payload status are contained in ESOC document JA/JA/11.

6) Dummy auxiliary data record has the same configuration as above but all integer and real data are set to zero.

EXPERIMENT DATA RECORD

Item	Data	Type	Length (byte
	(Record length)	—	(4)
1.	Fast auxiliary data[7], 9 words of 2 bytes each + 1 spare	integer	20
2.	Hours UT of the first bit of the first ~~four~~ format unit unit (FFU)	"	2
	Minutes UT	"	2
	Seconds. msec UT	real	4
3.	Exp. telecommand word 1 of first FFU[8]	integer	4
	" " " 2 " " "	"	4
	" " " 1 of last FFU[8]	"	4
	" " " 2 " " "	"	4
	Spare (4 words)	"	16
3.	Reset position of first CMD execution flag[9]	"	2
	" " " last " " "	"	2
4.	Analog housekeeping data of first FFU[10]	"	8
	" " " " second "	"	8
	" " " " third "	"	8
	" " " " fourth "	"	8
	Spare	character	16
5.	Energy step number sample 1[11]	integer	2
	" " " " 2	"	2
	. .	.	.
	. .	.	.
	. .	.	.
	Energy step number sample 32	"	2
6.	Mass step number sample 1[11]	"	2
	" " " " 2	"	2
	. .	.	.
	. .	.	.
	. .	.	.
	Mass step number sample 32	"	2
7.	Mass detector variable DL (MVAR)[11] sample 1	real	4

EXPERIMENT DATA RECORD continued

9.'	Energy detector (ED) sample 1 (11)	"	4 byte
7.	MVAR sample 2	real	4
8.	MFIX " 2	"	"
9.	ED " 2	"	4
	. .	.	.
	. .	.	.
	. .	.	.
7.	MVAR sample 32	"	4
8.	MFIX " 32	"	4
9.	ED " 32	"	4
		total =	628

Notes: 7) Contents of FAST AUXILIARY DATA:

Item		Type	Length (byte
1a.	First Euler angle in degrees x 100	Integer	2
	Second " " " "	"	2
	Third " " " "	"	2
1b.	Angular velocity in degrees x 100 rotated per format	"	2
1c.	Magnetic field in 10^{-6} Gauss (= 0.1 gamma = 0.1 nT) V	"	2
	D	"	2
	H	"	2
1d.	Magnetic field angles relative to s/c axes in degrees x 100 polar	"	2
	azimuth	"	2
			2018

8) If the CMD word changes in the first or last FFU then this CMD word is not valid (see Note (9)) and the next value of the CMD word should be used.

9) Gives the sample number (1-32) where a new telecommand is executed. If more than one CMD is executed in a FFU (which is not likely) then the sample number of the last executed CMD is also given. If there is no new CMD during the FFU then this is set to 99.

11) A single experiment sample consists of:

Energy step, Mass step, MVAR, MFIX, ED

for each of 32 samples per FFU. The detector counting rates MVAR, MFIX and ED are given in units of counts per 0.150 second (= 1 sample) corrected for dead time of 1.0 μsec.

12) Dummy experiment data record: Hours UT, Energy step and Mass step are set to 99. All other data is set to zero.

D-46750
3/22/79, 3/31/79, 4/1/79

DUMP OF TAPE X397

INPUT TAPE X397 ON MT4
DATA INPUT H9 NE 3 FL 3 1 0

FILE 1 RECORD 1 LENGTH 10176BYTES

(0) 27C00000 007C0000 01DAFA00 004ED061 0017003A 42367AE1 41245E74 00001076 FFDD0EB1 0A650023
(40) 0072270F FD74FEA2 2646E016 16850002 00830001 0003005F 002W002A 0040004A 00EE00C0 00700094
(80) 0FE0FE09 FF2B0002 721A8616 6050605C 40404040 40404040 40404040 40404040 40404040 40404040
(120) 40404040 40404040 02740000 1AA00044 3F6C1F3A 00F2FEE3 03540016 01120354 00170038 42570641
(160) 0000028E 00003804 0000028E 00003804 00F43725 0000000D 00F43725 0000000D 00630063 00000000
(200) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040
(240) 40404040 00630063 00630063 00630063 00630063 00630063 00630063 00630063 00630063 00630063
(280) 00630063 00630063 00630063 00630063 00630063 0063001A 001A001A 00630063 00630063 00630063
(320) 00630063 00630063 00630063 00630063 00630063 00630063 00630063 00630063 00630063 00630063
(360) 00630063 00630031 00310031 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(400) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(440) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(480) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(520) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(560) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(600) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(640) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(680) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
(720) 41100006 41100006 42200348 4140006F 41200018 42260275 00000000 00000000 422001BE 02740000
(760) 0AE90044 3F691F3A 00E6FE6A 0354FE75 00F10354 00000000 40E74A77 0000028E 00003804 0000028E
(800) 00003804 00F43725 0000000D 00F43725 0000000D 00630063 0000008C 0073000F 00C70007 00630033
(840) 00EF000E 0059002B 0000008C 0073000F 40404040 40404040 40404040 40404040 001A001A 001C001C
(880) 001C001C 001C001C 001C001C 001C001C 001C001C 001C001C 001C001C 001C001C 001C001C 001C001C
(920) 001C001C 001C001C 001C001C 001C001C 00310031 00310031 00310031 00310031 00310031 00310031
(960) 00310031 00310031 00310031 00310031 00310031 00310031 00310031 00310031 00310031 00310031
(1000) 41100006 00000000 422E0379 00000000 00000000 42200348 41100006 00000000 42250255 00000000
(1040) 00000000 42100155 4140006F 41200018 422201F7 41200018 00000000 422001BE 4130003E 4130003E
(1080) 42270296 41100006 41100006 421E01A8 41100006 41100006 421700E6 4130003E 41100006 421E01A2
(1120) 41200018 41100006 421800FA 41100006 41100006 422001BE 00000000 00000000 421800FA 41100006
(1160) 00000000 4213013D 41100006 00000000 421F01A2 41200018 00000000 421500C0 4130003E 41200018
(1200) 4211007D 41200018 41200018 421F01A2 41200018 41100006 421700E6 00000000 00000000 421A0126
(1240) 00000000 00000000 421500C0 41200018 00000000 421500C0 41100006 41100006 4211007D 41100006
(1280) 41100006 4213013D 41200018 41100006 42100155 41100006 00000000 422001BE 4130003E 41100006
(1320) 42190110 41100006 00000000 4213013D 00000000 00000000 421800FA 00000000 00000000 42100155
(1360) 00000000 00000000 42190110 4140006F 4140006F 421E01E8 02740000 FB320044 3F661F3A 00C5FF6E
(1400) 0354FF13 00610354 00000000 41608533 0000028E 00003804 0000028E 00003804 00F43725 0000000D
(1440) 00F43725 0000000D 00630063 00C70007 00630033 00EF0009 005E002B 0000008C 0073000F 00C70002
(1480) 00690033 40404040 40404040 40404040 40404040 001C001C 001C001C 001C001C 001E001E 001E001E
(1520) 001E001E 001E001E 001E001E 001E001E 001E001E 001E001E 001E001E 001E001E 001E001E 001E001E
(1560) 001E001E 00310031 00310031 00310031 00310031 00310031 00310031 00310031 00310031 00310031
(1600) 00310031 00310031 00310031 00310031 00310031 00310031 00310031 4130003E 41100006 421800FA
(1640) 4140006F 41100006 42190110 4140006F 41200018 421400AE 4130003E 41200018 42230215 41200018
(1680) 41200018 421700E6 41100006 00000000 421F01A2 41200018 00000000 42240234 41200018 41100006
(1720) 42160002 00000000 00000000 42240234 41200018 00000000 4213013D 00000000 00000000 42240234
(1760) 41200018 41200018 421800FA 00000000 00000000 4213009D 00000000 00000000 4211007D 4130003E
(1800) 00000000 421A0126 41100006 41100006 421700E6 00000000 00000000 421700E6 4130003E 41200018
(1840) 421500C0 41200018 41100006 421800FA 41100006 00000000 421700E6 41100006 00000000 421700E6
(1880) 41100006 00000000 421400AE 41200018 41100006 421500C0 00000000 00000000 421800FA 41100006
(1920) 41100006 421700E6 41100006 00000000 42190110 00000000 00000000 421400AE 41100006 41100006
(1960) 4216013D 00000000 00000000 4213009D 41200018 41100006 4210016E 41100006 00000000 4210016E
(2000) 41100006 00000000 4221010A 02740000 E8570044 3F631F3A 0002FF82 0354FF1A FF420354 00000000
(2040) 418095AE 0000028E 00003804 00000226 00003A0A 00F43725 0000000D 00F43811 00000000 00630063
(2080) 00EF0009 005E002B 0000008C 0073000F 00C7002F 00370033 00EF002E 0037002F 40404040 40404040
(2120) 40404040 40404040 001E001E 001E001E 001E001E 001E001E 001E001E 00000000 00000000 00000000
(2160) 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00310031 00310031
(2200) 00310031 00310031 00310031 00240024 00240024 00240024 00240024 00240024 00240024 00240024
(2240) 00240024 00240024 00240024 00240024 41100006 00100001 421700E6 41100006 [illegible] [illegible]

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES RRSCS.	TOTAL
1	972	972	10176	0	2	0	0	2	2

FILE 2 RECORD 1 LENGTH 10176BYTES

(0)	27C00000	007C0000	01E39980	004E005A	00170038	4150A3D7	4124C2F0	00001078	FFE10832	12300033
(40)	0071270F	FD6DF8A6	2647E099	171A0270	00040000	0000005F	003C002C	00490047	00FF0007	00700094
(80)	0FE07C0D	04003082	727A9C35	605C605C	40404040	40404040	40404040	40404040	40404040	40404040
(120)	40404040	40404040	02740000	41050047	3CB21F40	014EFFA6	0A1D0156	00120A1E	00170033	42371263
(160)	0000028E	00008804	0000028E	00008804	00F43725	0000000D	00F43725	00000000	00630063	00000000
(200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	40404040	40404040	40404040
(240)	40404040	00630063	00630063	00630063	00630063	00630063	00630063	00630063	00630063	00630063
(280)	00630063	00630063	00630063	00630063	00630063	0063001A	001A001A	00630063	00630063	00630063
(320)	00630063	00630063	00630063	00630063	00630063	00630063	00630063	00630063	00630063	00630063
(360)	00630063	00630031	00310031	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(720)	416000FA	4120001B	423A05B9	41100006	00000000	423F06C1	4140006F	00000000	423305EC	02740000
(760)	31650047	3CAF1F40	0150FF98	0A240108	00E50A25	00000000	40936C54	0000028E	00008804	0000028E
(800)	00008804	00F43725	0000000D	00F43725	00000000	00630063	0000008C	007300DF	00C8000C	00500033
(840)	00EE0012	0054002A	0000008C	007300DF	40404040	40404040	40404040	40404040	001A001A	001A001A
(880)	001A001A	001A001A	001A001A	001A001A	001A001A	001A001A	001A001A	001A001A	001A001A	001A001A
(920)	001A001A	001A001A	001A001C	001C001C	00310031	00310031	00310031	00310031	00310031	00310031
(960)	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031
(1000)	4140006F	4130003E	42320441	415000AE	4130003E	423905A7	41100006	41100006	423505EC	4120001B
(1040)	00000000	422B0325	415000AE	4130003E	421F01A2	41900234	4140006F	422802E8	415000AE	41100006
(1080)	421F01A2	418001BD	416000FA	4211007D	416000FA	4120001B	421D016E	41A00268	4120001B	42240234
(1120)	415000AE	4120001B	42190110	418001BD	4140006F	422001BE	41A00268	4130003E	42240234	415000AE
(1160)	415000AE	422101DA	4140006F	41100006	422101DA	418001BD	416000FA	422F03C2	41900234	416000FA
(1200)	42240234	418001BD	4120001B	423604F6	418001BD	4140006F	4233046D	41700155	4130003E	42300655
(1240)	416000FA	4130003E	422C034B	41700155	4130003E	423604F6	415000AE	4130003E	422F03C2	4140006F
(1280)	4120001B	422B02BB	41700155	4140006F	423604F6	41700155	4120001B	42200372	415000AE	4120001B
(1320)	42310415	4140006F	4130003E	421E0188	41700155	4140006F	42310415	416000FA	4130003E	421600FA
(1360)	416000FA	4140006F	422B0325	4140006F	41100006	42200372	02740000	21C50047	3CA81F40	0160FFA8
(1400)	0A200020	01640A21	00000000	41614951	0000028E	00008804	0000028E	00008804	00F43725	00000000
(1440)	00F43725	0000000D	00630063	00C80006	00630033	00EE000E	0059002A	0000008C	007300DF	00C80007
(1480)	00630033	40404040	40404040	40404040	40404040	001C001C	001C001C	001C001C	001C001C	001C001C
(1520)	001C001C	001C001C	001C001C	001C001C	001C001C	001C001C	001C001C	001C001C	001C001C	001C001C
(1560)	001C001C	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031
(1600)	00310031	00310031	00310031	00310031	00310031	00310031	00310031	41A00253	4140006F	42270296
(1640)	418001BD	4140006F	42370525	4140006F	4120001B	42230215	416000FA	4140006F	422E0399	41700155
(1680)	4140006F	422902DC	41700155	4120001B	42310415	416000FA	4120001B	42200372	415000AE	4120001B
(1720)	421F01A2	4140006F	4130003E	422001BE	41A00288	415000AE	4218015D	41C003EB	416000FA	422E0399
(1760)	416000FA	4130003E	4218013D	41700155	4120001B	422001BE	41C003EB	41700155	422001BE	415000AE
(1800)	41100006	42230215	41700155	415000AE	42230215	415000AE	4120001B	422B0325	4130003E	00000000
(1840)	42260275	4120001B	41100006	422001BE	418001BD	4140006F	42230215	41700155	4140006F	421F01A2
(1880)	4140006F	4120001B	422101DA	418001BD	416000FA	42230215	416000FA	4140006F	42250254	4120001B
(1920)	4120001B	422A0309	41700155	4120001B	42270296	41A00268	41900234	4233046D	418001BD	4130003E
(1960)	423003EB	415000AE	4130003E	42260275	41900234	4140006F	422E0399	415000AE	4130003E	422F03C2
(2000)	41100006	00000000	422902DC	02740000	12260047	3CA81F40	015BFF96	0A1DFF46	01320A1E	00000000
(2040)	41B959DD	0000028E	00008804	0000028E	00008804	00F43725	0000000D	00F43725	0000000D	00630063
(2080)	00EE0009	005F002A	0000008C	007300DF	00C80002	00690033	00EE0009	005F002A	40404040	40404040
(2120)	40404040	40404040	001C001E	001E001E	001E001E	001E001E	001E001E	001E001E	001E001E	001E001E
(2160)	001E001E	001E001E	001E001E	001E001E	001E001E	001E001E	001E001E	001E001E	00310031	00310031
(2200)	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031	00310031
(2240)	00310031	00310031	00310031	00310031	4140006F	4120001B	42250254	4120001B	41100006	422201E7
(2280)	4140006F	41100006	422902DC	4120001B	41100006	42310415	4130003E	4120001B	42270296	4130003E
(2320)	41100006	42230215	41100006	41100006	42340499	4130003E	4120001B	422F03C2	4140006F	4120001B
(2360)	423003EB	4120001B	41100006	422902DC	4140006F	00000000	422201E7	4130003E	41100006	[illegible]

```
FILE      3  RECORD        1  LENGTH   10176BYTES
(     0)  27C00000  007C0000  01E48EC0  004E005B  00170038  4131A9F8  4124EE06  0000107A  FFE10E36  0546005E
(    40)  0063270F  FD6FF8A6  2647E09E  17190284  00040000  0000005E  00310026  00490046  00FF00C7  0075009A
(    80)  0FE07C0D  FF280002  125A8C01  605C605C  40404040  40404040  40404040  40404040  40404040  40404040
(   120)  40404040  40404040  02740000  C255004E  35201F40  01560010  0977013E  00200973  00170035  42342467
(   160)  00000301  00008104  00000301  00008104  007A1EA0  00000000  007A1EA0  00000C00  00630063  00000000
(   200)  00000000  00000000  0000002A  0000008C  007300DF  00C8002A  00390033  40404040  40404040  40404040
(   240)  40404040  00630063  00630063  00630063  00630063  00630063  00630003  00030003  00030003  00030003
(   280)  00030003  00030003  00030003  00030003  00030003  00040004  00040004  00630063  00630063  00630063
(   320)  00630063  00630063  0063002F  00300031  00320033  00340035  00360037  00380039  003A003B  003C003D
(   360)  003E003F  00200021  00220023  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(   400)  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(   440)  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(   480)  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  421F01A2  41100006
(   520)  00000000  421C0155  4140006F  41100006  422001BE  416000FA  41100006  421A0126  416000FA  41100006
(   560)  422001BE  41100006  00000000  421500C0  4130003E  41100006  421A0126  00000000  00000000  42280288
(   600)  00000000  00000000  422001BE  00000000  00000000  42230215  4120001B  00000000  4218013D  00000000
(   640)  00000000  4229020C  4120001B  4120001B  421E0188  4120001B  41100006  421700E6  41100006  00000000
(   680)  42190110  4120001B  00000000  421A0126  4120001B  00000000  42250254  00000000  00000000  421D016E
(   720)  00000000  00000000  42260275  41100006  00000000  4218013D  41100006  00000000  421A0126  02740000
(   760)  3F5A004E  351D1F40  01630024  097E00D9  00FC0982  00000000  413A6002  00000301  00008104  00000301
(   800)  00008104  007A1EA0  00000000  007A1EA0  00000000  00630063  00EE002C  003A002A  0000008C  007300DF
(   840)  00C8002A  003C0033  00EE002C  003A002B  40404040  40404040  40404040  40404040  00040004  00040004
(   880)  00040004  00040004  00040004  00040004  00040004  00040004  00040004  00040004  0004000A  00040004
(   920)  00040004  00040004  00050005  00050005  00240025  00260027  00280029  002A002B  002C002D  002E002F
(   960)  00300031  00320033  00340035  00360037  00380039  003A003B  003C003D  003E003F  00200021  00220023
(  1000)  4130003E  00000000  421E0188  41100006  41100006  42270296  41100006  00000000  42280288  41100006
(  1040)  41100006  422101DA  00000000  00000000  421C0155  41100006  00000000  421F01A2  4120001B  41100006
(  1080)  42280325  00000000  00000000  42260275  00000000  00000000  422C034B  4130003E  41100006  42250254
(  1120)  4120001B  00000000  422A0300  41100006  41100006  42260275  41100006  00000000  42230215  416000FA
(  1160)  41100006  422001BE  416000FA  00000000  42240234  415000AE  41100006  422101DA  00000000  00000000
(  1200)  422201F7  00000000  00000000  422101DA  00000000  00000000  421F01A2  00000000  00000000  421F01A2
(  1240)  00000000  00000000  422001BE  41100006  41100006  422101DA  00000000  00000000  42280288  00000000
(  1280)  00000000  42270296  41100006  41100006  421F01A2  00000000  00000000  421F01A2  41100006  00000000
(  1320)  421A0126  41100006  00000000  422201F7  41100006  00000000  422201F7  00000000  00000000  422001BE
(  1360)  41100006  41100006  4218013D  00000000  00000000  421D016E  02740000  2FBA004E  351A1F40  0158002D
(  1400)  0980FFFD  01720984  00000000  4122708E  00000301  00008104  00000301  00008104  007A1EA0  00000000
(  1440)  007A1EA0  00000000  00630063  0000008C  007300DF  00C8002B  003C0033  00EE002B  003A002B  0000008C
(  1480)  007300DF  40404040  40414040  40404040  40404040  00050005  00050005  00050005  00050005  00050005
(  1520)  00050005  00050005  00050005  00050005  00050005  00050005  00050005  00050005  00050005  00060006
(  1560)  00060006  00240025  00260027  00280029  002A002B  002C002D  002E002F  00300031  00320033  00340035
(  1600)  00360037  00380039  003A003B  003C003D  003E003F  00200021  00220023  4120001B  00000000  42230215
(  1640)  4140006F  41100006  421D016E  00000000  00000000  4218013D  4120001B  41100006  421C0155  00000000
(  1680)  00000000  42250254  41100006  41100006  421F01A2  4120001B  00000000  421500C0  41100006  00000000
(  1720)  422A0300  00000000  00000000  422201F7  4120001B  00000000  42270296  4120001B  00000000  422E0399
(  1760)  00000000  00000000  422A0300  4120001B  41100006  422201F7  418001BD  41100006  42280325  4130003E
(  1800)  41100006  42340499  416000FA  4120001B  422C034B  00000000  00000000  42280325  00000000  00000000
(  1840)  42280288  41100006  00000000  42280325  41100006  00000000  422101DA  4120001B  00000000  422001BE
(  1880)  41100006  00000000  421F01A2  00000000  00000000  421E0188  41100006  00000000  42270296  4120001B
(  1920)  00000000  421C0155  41100006  00000000  421800FA  41100006  00000000  42160092  41100006  00000000
(  1960)  42250254  41100006  00000000  421700E6  00000000  00000000  421F01A2  41100006  00000000  421800FA
(  2000)  41100006  00000000  421800FA  02740000  2019004E  35161F40  0190000F  0985FF23  01320989  00000000
(  2040)  41EA811B  00000301  00008104  00000301  00008104  007A1EA0  00000000  007A1EA0  00000000  00630063
(  2080)  00C8002B  00380033  00EE002B  0038002B  0000008C  007300DF  00C8002B  00380033  40404040  40404040
(  2120)  40404040  40404040  00060006  00060006  00060006  00060006  00060006  00060006  00060006  00060006
(  2160)  00060006  00060006  00060006  00060006  00060006  00060006  00070007  00070007  00240025  00260027
(  2200)  00280029  002A002B  002C002D  002E002F  00300031  00320033  00340035  00360037  00380039  003A003B
(  2240)  003C003D  003E003F  00200021  00220023  00000000  00000000  422201F7  00000000  00000000  421A0126
(  2280)  00000000  00000000  421500C0  41100006  00000000  422001BE  4120001B  00000000  42270296  41100006
(  2320)  00000000  421D016E  4120001B  00000000  422201F7  00000000  00000000  421C0155  41100006  00000000
(  2360)  421F01A2  41100006  00000000  42190110  4130003E  00000000  4218013D  41100006  41100006  421E0188
(  2400)  41100006  00000000  421C0155  418001BD  00000000  422101DA  415000AE  4120001B  422001BE  4130003E
(  2440)  41100006  421C0155  41100006  41100006  42270296  00000000  00000000  421F01A2  00000000  00000000
(  2480)  42270296  41100006  00000000  42230215  4120001B  00000000  422201F7  4120001B  00000000  421A0126
```

ESA-GEOS 2

LOW ENERGY ION COMPOSTION

78-071A-03C SPMS-00349

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

DR#	DS#	D#	FILES	TIME SPAN
DR005697	DS005697	D047312	1 - 6	03/22/79 - 04/01/79

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

ESA GEOS 2

LOW ENERGY ION COMPOSTION

78-071A-03C

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

D#	C#	TIME SPAN
D-47312	C-22110	3/22/79,3/31/79,4/1/79

INFORMATION SHEET FOR INCOMING DATA

DATE DATA RECEIVED: 2/1/82

NSSDC ID: ~~78-099A-03~~ [illegible]

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: ~~ESA GEOS~~ [illegible]

EXPERIMENT NAME:

DATA SET FULL NAME: ~~LOW ENERGY ION COMPOSITION~~

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-43812~~ C-22110

REMARKS:

1600 ascii odd 9trk 6 files

3 | 22

3 | 31

4 | 1

CDAW

DATA RECEIPT NOTIFICATION SENT? ☐

Moran

DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date 7b1 82

NSSDC ID 78-071A-03C

CDAW DATA SET ENTRY

Date Rcvd : 01/30 CDB : ✓b

Data Sent By : D. Young

Material Rcvd : 1 tape + documentation

Satellite / NSRF Name : ESA-GEOS 2

Data Set Name : Low-Energy Ion Composition

☒ New Data Set ☐ Additions ☐ Replacements

Comments

Time Coverage : 81/6-20^h 90/12^h - 91/6^h

Tapes To be Returned to :

Completed By : M. Teague.

D-41312
3/22
3/31
4/1/79

DUMP OF TAPE X406

INPUT TAPE X406 ON MT1
DATA INPUT H9 NF 6 FL 6 1 1

FILE 1 RECORD 1 LENGTH 1668BYTES

(0)	0684 0000	0020 0000	0001 34E9	4160 28F5	412A B1E0	4160 F5C1	4236 C07F	0000 0001	0000 0005	001C 0000
(40)	C84E 4040	4015 D8A4	4613 251B	4425 760D	4312 E34A	414A 6B2A	001C 0000	C8C5 4E4E	BE38 22A0	C458 F09A
(80)	C24B 6BE2	433A 7DF8	414A 6B2A	001C 0000	C8C5 4E40	3F15 953E	44CF 944D	4314 2926	4312 45F4	414A 6B2A
(120)	001C 0000	D64E 4E40	BF12 9AF5	C470 478B	C2D3 0CC1	42FD DBC8	414A 6E2A	001C 0000	D64E 4040	3E7E 1E18
(160)	4523 FCC3	4337 75A0	42FA 00F4	414A 6B2A	0020 0000	0001 34E9	4162 147A	4224 BB6E	4163 0A3C	421C D0EF
(200)	0000 0001	0000 0005	001C 0000	C84E 4040	401E 56F7	461A 4409	42E7 7944	42E7 7095	4137 D05F	001C 0000
(240)	C8C5 4E4E	3E28 EDAC	4426 145D	4248 58D6	4315 2C64	4137 D05F	001C 0000	C8C5 4E40	3F62 2FC2	4525 8452
(280)	4377 64DE	4274 A4B1	4137 D05F	001C 0000	D64E 4E40	BE51 F4B5	C44C 0671	4214 D72E	4332 BAB3	4137 D05F
(320)	001C 0000	D64E 4040	3FB6 BA3C	4545 8E2B	4340 620A	4318 166C	4137 D05F	0020 0000	0001 34E9	4164 28F5
(360)	4128 6444	4164 F5C1	4236 9BC4	0000 0001	0000 0005	001C 0000	C84E 4040	4016 3B52	461A 9483	4426 3F9B
(400)	4311 334B	4150 61E9	001C 0000	C8C5 4E4E	BE93 1D4C	C4A3 A676	C25E B233	4317 7E76	4150 61E9	001C 0000
(440)	C8C5 4E40	3F4F D7E2	451A A8FA	4366 6C45	424F A13C	4150 61E9	001C 0000	D64E 4E40	BF1C D603	C512 71E5
(480)	C28A 2DE1	4320 84C2	4150 61E9	001C 0000	D64E 4040	3FBD A99C	4538 29F5	4353 DDE5	4310 EF62	4150 61E9
(520)	0020 0000	0001 34E9	4166 147A	4224 9693	4167 0A3C	421C AC14	0000 0001	0000 0005	001C 0000	C84E 4040
(560)	401A 5580	4621 25D1	442C 5ED7	4313 4461	4152 645C	001C 0000	C8C5 4E4E	BEB8 1529	C482 FD14	C2FD F920
(600)	42B6 F84E	4152 645C	001C 0000	C8C5 4E40	3F63 05A2	451D AE53	4381 CA13	422B 23BE	4152 645C	001C 0000
(640)	D64E 4E40	BE14 8D34	4435 D696	C26C E03C	C3BB C915	4152 645C	001C 0000	D64E 4040	3FEE 6DA8	456C 0769
(680)	4334 11FE	4320 A401	4152 645C	0020 0000	0001 34E9	4168 28F5	4168 22E4	4168 F5C1	423A 9BC7	0000 0001
(720)	0000 0005	001C 0000	C84E 4040	401B A517	461C F0B7	4436 BE7D	42DC D13C	4167 BB24	001C 0000	C8C5 4E4E
(760)	BE65 7B74	C425 4CBB	C2CA 31F7	4218 13CC	4167 BB24	001C 0000	C8C5 4E40	3F5F B794	4526 7AD6	4373 8B35
(800)	428E A6E2	4167 BB24	001C 0000	D64E 4E40	BF10 C814	C4D6 FECF	4210 8B8D	4327 D242	4167 BB24	001C 0000
(840)	D64E 4040	3FAA 71DC	454E BBD5	432C AEF6	4324 31BA	4167 BB24	0020 0000	0001 34E9	4170 28F5	4125 5150
(880)	4170 F5C1	4236 6A95	0000 0001	0000 0005	001C 0000	C84E 4040	401E CCBC	4623 B4D2	4436 7558	4310 399F
(920)	413B A37B	001C 0000	C3C5 4E4E	BE56 25C5	C394 7EF3	C2A5 F3D2	C2DC 77D0	413B A37B	001C 0000	C8C5 4E40
(960)	3FEE 17A2	4554 9BA4	4412 2F62	4255 B433	413B A37B	001C 0000	D64E 4E40	3E34 D319	4427 1971	422F 96AF
(1000)	433C 6438	413B A37B	001C 0000	D64E 4040	4010 BD82	4565 9863	4354 44BD	4319 4ADE	413B A37B	0020 0000
(1040)	0001 34E9	4174 28F5	4123 03AF	4174 F5C1	4236 49D3	0000 0001	0000 0005	001C 0000	C84E 4040	4020 098B
(1080)	4622 4AED	443D BB8F	42E4 6C67	414A 6B2A	001C 0000	C8C5 4E4E	BEEA 3225	C4BA 8B96	C311 A243	42DF E383
(1120)	414A 6B2A	001C 0000	C8C5 4E40	3F52 E46C	4528 A156	4352 DF8D	42BA 2A18	414A 6B2A	001C 0000	D64E 4E40
(1160)	BE40 C3B3	C46D 4818	422C 8D5B	4379 0549	414A 6B2A	001C 0000	D64E 4040	3FED 8994	4541 C9E3	4376 2E73
(1200)	4310 6B2F	414A 6B2A	0020 0000	0001 34E9	4176 147A	421F 439A	4177 0A3C	4217 591B	0000 0001	0000 0005
(1240)	001C 0000	C84E 4040	401E 939B	4621 70D8	4439 A3F2	42EB FAF3	413F C991	001C 0000	C8C5 4E4E	3F12 5F2E
(1280)	44A7 C9C4	431A E596	424E EE81	413F C991	001C 0000	C8C5 4E40	3FC6 C3C8	4544 BA8F	43F4 A915	424C 233E
(1320)	413F C991	001C 0000	D64E 4E40	BF22 103E	C511 0954	C311 7184	4317 0C47	413F C991	001C 0000	D64E 4040
(1360)	3FF7 16FC	4557 DE75	434E 2D1E	4315 DE88	413F C991	0020 0000	0001 34E9	4178 28F5	4113 34D1	4178 F5C1
(1400)	4235 48C0	0000 0001	0000 0005	001C 0000	C84E 4040	402F 346A	462F 4932	4462 7518	42D1 C673	413A 78C5
(1440)	001C 0000	C8C5 4E4E	3F1C 3D54	4521 E124	4315 C678	431E 1328	413A 78C5	001C 0000	C8C5 4E40	3FF0 3EA2
(1480)	4545 D6D6	4414 1DDE	422A 2E8B	413A 78C5	001C 0000	D64E 4E40	3F15 7386	441A BDDD	431A C41C	C22D 047E
(1520)	413A 78C5	001C 0000	D64E 4040	401D 6CE2	4571 D5E6	43F3 F4D6	42BF 80A2	413A 78C5	0020 0000	0001 34E9
(1560)	4180 28F5	411F F0C0	4130 F5C1	4236 1BA4	0000 0001	0000 0005	001C 0000	C84E 4040	4032 FBD4	4630 71AE
(1600)	446D 7B4F	42BC 2AED	413D 2128	001C 0000	C8C5 4E4E	3E67 C5E6	44A4 324D	4254 8C43	4334 FCEE	413D 2128
(1640)	001C 0000	C8C5 4E40	4013 3C72	4581 4791	4417 62BF	4296 2FCE	413D 2128			

FILE 1 RECORD 7 LENGTH 1036BYTES

(0)	040C 0000	0020 0000	0001 34E9	4212 32BE	4152 6F69	4212 8F5C	4239 408F	0000 0001	0000 0005	001C 0000
(40)	C84E 4040	4023 A983	462F 1AFC	4435 98EF	4314 E305	4126 E50D	001C 0000	C8C5 4E4E	BE35 9A6F	C475 D42C
(80)	422B 5A99	433F D567	4126 E50D	001C 0000	C8C5 4E40	3F23 5DE2	4517 850A	431E 8F53	4316 D769	4126 E50D
(120)	001C 0000	D64E 4E40	3F15 D742	44D9 3D91	425C FD2A	431D A318	4126 E50D	001C 0000	D64E 4040	40C9 A0E8
(160)	4657 F225	4435 92A7	4320 034F	4126 E50D	0020 0000	0001 34E9	4213 02BE	4128 62A1	4213 0F5B	4236 98AA
(200)	0000 0001	0000 0005	001C 0000	C84E 4040	401F 17A9	462C 09E4	4420 4C5E	4317 3AB9	4119 EE09	001C 0000
(240)	C8C5 4E4E	3F10 27F4	44E5 64F6	4312 C33A	4312 FA7E	4119 EE09	001C 0000	C8C5 4E40	3F42 5CCC	4535 CF64
(280)	4323 56F6	4318 93D3	4119 EE09	001C 0000	D64E 4E40	3F41 2ED9	4518 91AA	4322 E73B	42F2 A6F4	4119 EE09
(320)	001C 0000	D64E 4040	411D DEA1	4672 C25C	44FD 2F20	42BC 64BE	4119 EE09	0020 0000	0001 34E9	4213 2146
(360)	4224 3E93	4213 30A3	421C 5413	0000 0001	0000 0005	001C 0000	C84E 4040	402E 441F	4633 C3B7	4455 32FE
(400)	42F5 35F7	4117 EB96	001C 0000	C8C5 4E4E	3DA5 E99D	C435 D696	426C E03C	C3BB C915	4117 EB96	001C 0000
(440)	C8C5 4E40	3F93 A6B6	455E 9F45	4366 9854	4311 BFF4	4117 EB96	001C 0000	D64E 4E40	3F4F 99AB	4521 A57C
(480)	432E 63A7	4310 70D2	4117 EB96	001C 0000	D64E 4040	40C1 E90C	4643 1021	4442 BFE0	4314 D89B	4117 EB96

(600)	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	417E8FF0	001C0000
(640)	C8C54E4E	00000000	00000000	00000000	00000000	417E8FF0	001C0000	C8C54E40	3F65E57A	4543F2A6
(680)	4357CAB1	4316D1FD	417E8FF0	001C0000	D64E4E40	3F143583	45111935	4226EE34	43311676	417E8FF0
(720)	001C0000	D64E4040	40358574	4613E57F	44126E2B	43190BB2	417E8FF0			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
5	41	42	1668	0	1	0	0	1	1

FILE 6 RECORD 1 LENGTH 1668BYTES

(0)	06840000	00200000	000134F3	3FF5C284	42369133	4011EB84	42266D71	00000001	00000005	001C0000
(40)	C84E404D	00000000	00000000	00000000	00000000	41589FF5	001C0000	C8C54E4E	00000000	00000000
(80)	00000000	00000000	41589FF5	001C0000	C8C54E40	3F1E79FF	452B5499	428CC916	434FDDAC	41589FF5
(120)	001C0000	D64E4E40	BE4524AC	C452D710	C1B64114	436E325D	41589FF5	001C0000	D64E4040	3FD509CC
(160)	4593586F	431F954C	434B8A09	41589FF5	00200000	000134F3	4011EB84	4226997A	40147AE0	421675CE
(200)	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	413527F9	001C0000
(240)	C8C54E4E	00000000	00000000	00000000	00000000	413527F9	001C0000	C8C54E40	3E9FAEC4	44E0A5D8
(280)	422DF45D	434D2633	413527F9	001C0000	D64E4E40	3E4FD459	444DBAAF	421107CB	434EDC1C	413527F9
(320)	001C0000	D64E4040	3FD1ECFC	4595A778	431E3FB7	43505E82	413527F9	00200000	000134F3	40147AE0
(360)	4216A1D7	40170A3C	4167E15C	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000
(400)	00000000	4146DFF7	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	4146DFF7	001C0000
(440)	C8C54E40	3F28A7F0	45398C83	42BC73CC	434F12DE	4146DFF7	001C0000	D64E4E40	BE10D178	43D116DB
(480)	C19911FB	C3C8B398	4146DFF7	001C0000	D64E4040	3F6EAE8C	454CC02D	43107110	434C4940	4146DFF7
(520)	00200000	000134F3	40170A3C	416AA1DF	40170A3C	42328672	00000001	00000005	001C0000	C84E4040
(560)	00000000	00000000	00000000	00000000	41589FF5	001C0000	C8C54E4E	00000000	00000000	00000000
(600)	00000000	41589FF5	001C0000	C8C54E40	BE27B9A6	C4568711	C14E52AF	43A13E6C	41589FF5	001C0000
(640)	D64E4E40	3F18609E	4517EF40	4251BA4F	434C5886	41589FF5	001C0000	D64E4040	3F738618	4550A15C
(680)	4310EAEB	434CAD40	41589FF5	00200000	000134F3	40170A3C	4232B27B	40199998	4222BEB8	00000001
(720)	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	41589FF5	001C0000	C8C54E4E
(760)	00000000	00000000	00000000	00000000	41589FF5	001C0000	C8C54E40	BE353A44	C44AE1FF	C1F51753
(800)	434D2636	41589FF5	001C0000	D64E4E40	3EE03F76	44EB73AA	422BBD52	4356E140	41589FF5	001C0000
(840)	D64E4040	3FB8E044	4530AD63	431B3D9A	434C626B	41589FF5	00200000	000134F3	40199998	4222BAC1
(880)	401C28F5	42129758	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000
(920)	416173F4	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	416173F4	001C0000	C8C54E40
(960)	3E90A694	4489A774	422E134C	4340D8D7	416173F4	001C0000	D64E4E40	9F117D7A	C5104897	C23D64C2
(1000)	434427FE	416173F4	001C0000	D64E4040	3F70B344	454E8338	4310929F	434C9062	416173F4	00200000
(1040)	000134F3	401C28F5	4212C361	401EB851	4129F9ED	00000001	00000005	001C0000	C84E4040	00000000
(1080)	00000000	00000000	00000000	413527F9	001C0000	C8C54E4E	00000000	00000000	00000000	00000000
(1120)	413527F9	001C0000	C8C54E40	3E45F34E	4442159C	421B7417	431C59D0	413527F9	001C0000	D64E4E40
(1160)	3EFBC09C	44D945E5	423AF22D	4339C50A	413527F9	001C0000	D64E4040	3FDBFF20	459FCB82	431EFFCE
(1200)	43532432	413527F9	00200000	000134F3	401EB851	412CBA70	401EB851	422EA7FB	00000001	00000005
(1240)	001C0000	C84E4040	00000000	00000000	00000000	00000000	4146DFF7	001C0000	C8C54E4E	00000000
(1280)	00000000	00000000	00000000	4146DFF7	001C0000	C8C54E40	3F2ED652	45433A87	42D572F6	435112AB
(1320)	4146DFF7	001C0000	D64E4E40	3F1D9B92	451C34D3	4265D455	43479080	4146DFF7	001C0000	D64E4040
(1360)	3FF1E864	45ADF5F3	43227DCC	4351A1CF	4146DFF7	00200000	000134F3	401EB851	422ED404	402147AD
(1400)	421EB042	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	419F77ED	3F11E14B
(1440)	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	419F77ED	001C0000	C8C54E40	3F11E14B
(1480)	45170761	425A703D	4340F687	419F77ED	001C0000	D64E4E40	BF227467	C520F9B9	C27600F7	434841E7
(1520)	419F77ED	001C0000	D64E4040	3FDDAF34	459F112F	431FA692	43513644	419F77ED	00200000	000134F3
(1560)	402147AD	421EDC4B	4023D70A	41EB8A08	00000001	00000005	001C0000	C84E4040	00000000	00000000
(1600)	00000000	00000000	412C4BFA	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	412C4BFA
(1640)	001C0000	C8C54E40	3E8FEEA6	4510B122	4236C32	434C7C4E	412C4BFA			

FILE 6 RECORD 41 LENGTH 748BYTES

(0)	02EC0000	001C0000	D64E4E40	3F1D05A4	4518C647	426DCE02	43383544	41732BF2	001C0000	D64E4040
(40)	401EB51F	46155B6A	4348999D	434C6E80	41732BF2	00200000	000134F3	4158F5C1	422DB55B	41591EB7
(80)	421D9170	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	41589FF5
(120)	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	41589FF5	001C0000	C8C54E40	3F3AA2FE
(160)	4550AAA9	43117BF3	434ABA95	41589FF5	001C0000	D64E4E40	3EE03F76	44EB73AA	422BBD52	4356E140
(200)	41589FF5	001C0000	D64E4040	401A0637	46122E14	433D191D	434D0888	41589FF5	00200000	000134F3
(240)	41591EB7	421DB078	41594AD	41D99B66	00000001	00000005	001C0000	C84E4040	00000000	00000000
(280)	00000000	00000000	41589FF5	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	41589FF5
(320)	001C0000	C8C54E40	3F595D46	4583DAFC	4318CBA0	4355C1BB	41589FF5	001C0000	D64E4E40	3F1B2C8B
(360)	45176FEE	4255A7B3	43469A1D	41589FF5	001C0000	D64E4040	402C078E	461ED79B	43674D09	434D9C8C

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(   480)  00000000  00000000  41BA0BE9  001C0000  C8C54E40  3F11CE28  451AC7B1  424CD2CE  43586DB6  41BA0BE9
(   520)  001C0000  D64E4E40  3E8E4142  44681574  4225408A  432A4F64  41BA0BE9  001C0000  D64E4040  40175240
(   560)  4610C1B4  433540E3  43517D64  41BA0BE9  00200000  000134F3  415947AD  4239CDDA  415970A3  4229AA18
(   600)  00000001  00000005  001C0000  C84E4040  00000000  00000000  00000000  00000000  416173F4  001C0000
(   640)  C8C54E4E  00000000  00000000  00000000  00000000  416173F4  001C0000  C8C54E40  3F29BA20  453CD6D2
(   680)  42B8D425  4353E449  416173F4  001C0000  D64E4E40  3F2AAD7F  4527FCD4  42959DF1  4345706A  416173F4
(   720)  001C0000  D64E4040  40169C48  4610902F  43329BA2  43548B40  416173F4
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FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
6	41	42	1668	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 6 # OF PERMANENT READ ERRORS 0

START TIME 02/03/82 10:24:53 STOP TIME 02/03/82 10:25:14

$$

D-41312
3/22
3/31
4/1/79

DUMP OF TAPE X406

INPUT TAPE X406 ON MT1
DATA INPUT H9 NF 6 FL 6 1 1

FILE 1 RECORD 1 LENGTH 1668BYTES

(0)	06840000	00200000	000134E9	41602BF5	412AB1E0	4160F5C1	4236C09F	00000001	00000005	001C0000
(40)	C84E4040	4015D8A4	46132518	44257600	4312E34A	414A6B2A	001C0000	C8C54E4E	BE3822AD	C458F09A
(80)	C24B68E2	433A7DF8	414A6B2A	001C0000	C8C54E40	3F15953E	44CF944D	43142926	431245F4	414A6B2A
(120)	001C0000	D64E4E40	BF129AF5	C4704788	C2D30CC1	42FDDBC8	414A6F2A	001C0000	D64E4040	3E7E1E18
(160)	4523FCC3	433775A0	42FA00F4	414A6B2A	00200000	000134E9	4162147A	42240B6E	41630A3C	421CD0EF
(200)	00000001	00000005	001C0000	C84E4040	401856F7	461A4409	442E7944	42E77095	4137D05F	001C0000
(240)	C8C54E4E	3E28EDAC	44261450	42485BD6	43152C64	4137D05F	001C0000	C8C54E40	3F622FC2	45258452
(280)	437764DE	4274A4B1	4137D05F	001C0000	D64E4E40	BE51F485	C44C0671	4214D72E	4332BA83	4137D05F
(320)	001C0000	D64E4040	3FB6BA3C	45456E2B	43406220	431B166C	4137D05F	00200000	000134E9	41642BF5
(360)	41286444	4164F5C1	42369BC4	00000001	00000005	001C0000	C84E4040	40163B52	461A9483	44263F9B
(400)	4311334B	415061E9	001C0000	C8C54E4E	BE931D4C	C4A3A676	C25EB233	43177E76	415061E9	001C0000
(440)	C8C54E40	3F4FD7E2	451AA8FA	43666C45	424FA13C	415061E9	001C0000	D64E4E40	BF1CDB03	C51271E5
(480)	C28A2DE1	43208AC2	415061E9	001C0000	D64E4040	3FBDA99C	453829F5	4353DDE5	4310EF62	415061E9
(520)	00200000	000134E9	4166147A	42249693	41670A3C	421CAC14	00000001	00000005	001C0000	C84E4040
(560)	401A5580	46212501	442C5ED7	43134461	4152645C	001C0000	C8C54E4E	BEB81529	C480FD14	C2FDF920
(600)	42B6F84E	4152645C	001C0000	C8C54E40	3F6305A2	451DAE53	4381CA13	422B23BE	4152645C	001C0000
(640)	D64E4E40	BE14BD34	4435D696	C26CE03C	C3BBC915	4152645C	001C0000	D64E4040	3FEE6DA8	456C0769
(680)	433411FE	4320A401	4152645C	00200000	000134E9	416828F5	416822E4	4168F5C1	423A9BC7	00000001
(720)	00000005	001C0000	C84E4040	401BA517	461CF0B7	4436BE7D	42DCD13C	4167B824	001C0000	C8C54E4E
(760)	BE657874	C4254CBB	C2CA31F7	421613CC	4167B824	001C0000	C8C54E40	3F5F8794	45267AD6	43738B35
(800)	428EA6E2	4167B824	001C0000	D64E4E40	BF10C814	C4D6FECF	4210BB8D	4327D242	4167B824	001C0000
(840)	D64E4040	3FAA71DC	454EBBD5	432CAEF6	432431BA	4167BB24	00200000	000134E9	417028F5	41255150
(880)	4170F5C1	42366A95	00000001	00000005	001C0000	C84E4040	401ECCBC	4623B4D2	44367558	4310399F
(920)	413BA37B	001C0000	C3C54E4E	BE5625C5	C3947EF3	C2A5F3D2	C2DC77D0	413BA37B	001C0000	C8C54E40
(960)	3FEE17A2	45549BA4	44122F62	4255B433	413BA37B	001C0000	D64E4E40	3E34D319	44271971	422F96AF
(1000)	433C6438	413BA37B	001C0000	D64E4040	4010BD82	45659863	435444BD	43194ADE	413BA37B	00200000
(1040)	000134E9	417428F5	412303AF	4174F5C1	423649D3	00000001	00000005	001C0000	C84E4040	402009B8
(1080)	46224AED	443DBB8F	42E46C67	414A6B2A	001C0000	C8C54E4E	BEEA3225	C4BA8B96	C311A243	42DFE383
(1120)	414A6B2A	001C0000	C8C54E40	3F52E46C	4528A156	4352DF8D	42BA2A1B	414A6B2A	001C0000	D64E4E40
(1160)	BE40C3B3	C46D4818	422C8D5B	437905A9	414A6B2A	001C0000	D64E4040	3FED8994	4541C9E3	43762E73
(1200)	43106B2F	414A6B2A	00200000	000134E9	4176147A	421F439A	41770A3C	4217591B	00000001	00000005
(1240)	001C0000	C84E4040	401E939B	46217008	4439A3F2	42EBFAF3	413FC991	001C0000	C8C54E4E	3F125F2E
(1280)	44A7C9C4	431AE596	424EEE81	413FC991	001C0000	C8C54E40	3FC6C3C8	4544BA8F	43F4A915	424C233E
(1320)	413FC991	001C0000	D64E4E40	BF22103E	C5110954	C3117184	43170C47	413FC991	001C0000	D64E4040
(1360)	3FF716FC	4557DE75	434E2D1E	4315DE88	413FC991	00200000	000134E9	417828F5	411334D1	4178F5C1
(1400)	42354ECD	00000001	00000005	001C0000	C84E4040	402F346A	462F4932	44627518	42D1CB73	413A78C5
(1440)	001C0000	C8C54E4E	3F1C3D54	4521E124	4315C678	431E1328	413A78C5	001C0000	C8C54E40	3FF03EA2
(1480)	4545D6D6	44141DDE	422A2E88	413A78C5	001C0000	D64E4E40	3F157386	441ABDDD	431AC41C	C22D047E
(1520)	413A78C5	001C0000	D64E4040	401D6CE2	4571D5E6	43F8F4D6	42BF80A2	413A78C5	00200000	000134E9
(1560)	418028F5	411FF0C0	41B0F5C1	42361BA4	00000001	00000005	001C0000	C84E4040	4032FBD4	463071AE
(1600)	446D7B4F	42BC2FED	413D212B	001C0000	C8C54E4E	3E67C5E6	44A4324D	4254BC43	4334FCEE	413D212B
(1640)	001C0000	C8C54E40	40138C72	45814791	441762BF	42962FCE	413D212B			

FILE 1 RECORD 7 LENGTH 1036BYTES

(0)	040C0000	00200000	000134E9	4212328E	41526F69	4212BF5C	4239408F	00000001	00000005	001C0000
(40)	C84E4040	4023A983	462F1AFC	44369BEF	4314E305	4126E50D	001C0000	C8C54E4E	BE359A6F	C475D42C
(80)	422B5A99	433FD567	4126E50D	001C0000	C8C54E40	3F2350E2	4517850A	431E8F53	4316D769	4126E50D
(120)	001C0000	D64E4E40	3F15D742	44D93D91	425CFD2A	431DA318	4126E50D	001C0000	D64E4040	40C9A0E8
(160)	4657F225	443592A7	43200340	4126E50D	00200000	000134E9	42130228	412862A1	42130F5B	42369BAA
(200)	00000001	00000005	001C0000	C84E4040	401F17A9	462C09E4	442D4C5E	43173AB9	4119EE09	001C0000
(240)	C8C54E4E	3F1027F4	44E564F6	4312C33A	4312FA7E	4119EE09	001C0000	C8C54E40	3F425CCC	4535CF64
(280)	43235EF6	431B93D3	4119EE09	001C0000	D64E4E40	3F412ED9	451B91AA	4322E73B	42F2A6F4	4119EE09
(320)	001C0000	D64E4040	411DDEA1	4672C25C	44FD2F20	42BC6408	4119EE09	00200000	000134E9	42132146
(360)	42243E93	421330A3	421C5413	00000001	00000005	001C0000	C84E4040	402E441F	4633C3B7	445532FE
(400)	42F535F7	4117EB96	001C0000	C8C54E4E	3DA5E99D	C435D696	426CE03C	C3BBC915	4117EB96	001C0000
(440)	C8C54E40	3F93A688	455E9F45	43669854	4311BFF4	4117EB96	001C0000	D64E4E40	3F4F99AB	4521A57C
(480)	432E63A7	43107002	4117EB96	001C0000	D64E4040	40C1E90C	46431021	4442BFE0	4314D898	4117EB96

(600)	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	417E8FF0	001C0000
(640)	C8C54E4E	00000000	00000000	00000000	00000000	417E8FF0	001C0000	C8C54E40	3F65E57A	4543F2A6
(680)	4357CAB1	4316D1FD	417E8FF0	001C0000	D64E4E40	3F143583	45111935	4226EE34	43311678	417E8FF0
(720)	001C0000	D64E4040	4035B5F4	4613E57F	44126E2B	43190BB2	417E8FF0			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
5	41	42	1668	0	1	0	0	1	1

FILE 6 RECORD 1 LENGTH 1668BYTES

(0)	06840000	00200000	000134F3	3FF5C284	42369133	4011EB84	42266D71	00000001	00000005	001C0000
(40)	C84E4040	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E4E	00000000	00000000
(80)	00000000	00000000	415897F5	001C0000	C8C54E40	3F1E797F	452B5499	428CC916	434FDDAC	415897F5
(120)	001C0000	D64E4E40	BE4524AC	C452D710	C1B6411A	436E325D	415897F5	001C0000	D64E4040	3FD509CC
(160)	4593586F	431F954C	434B8A09	415897F5	00200000	000134F3	4011EB84	4226997A	40147AE0	421675CE
(200)	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	413527F9	001C0000
(240)	C8C54E4E	00000000	00000000	00000000	00000000	413527F9	001C0000	C8C54E40	3E9FAEC4	44E0A5D8
(280)	422DF45D	434D2633	413527F9	001C0000	D64E4E40	3E4FD459	444DBAAF	421107CB	434EDC1C	413527F9
(320)	001C0000	D64E4040	3FD1ECFC	4595A77B	431E3FB7	43505E82	413527F9	00200000	000134F3	40147AE0
(360)	4216A1D7	40170A3C	4167E15C	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000
(400)	00000000	4146DFF7	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	4146DFF7	001C0000
(440)	C8C54E40	3F28A7F0	45398C83	42BC73CC	434F12DE	4146DFF7	001C0000	D64E4E40	BE10D178	43D116DB
(480)	C19911FB	C3C8B398	4146DFF7	001C0000	D64E4040	3F6EAE8C	454CC02D	43107110	434C4940	4146DFF7
(520)	00200000	000134F3	40170A3C	416AA1DF	40170A3C	42328672	00000001	00000005	001C0000	C84E4040
(560)	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E4E	00000000	00000000	00000000
(600)	00000000	415897F5	001C0000	C8C54E40	BE27B9A6	C4568711	C14E52AF	43A13E6C	415897F5	001C0000
(640)	D64E4E40	3F18609E	4517EF40	4251BA4F	434C5B86	415897F5	001C0000	D64E4040	3F738618	4550A15C
(680)	4310EAEB	434CAD40	415897F5	00200000	000134F3	40170A3C	4232B27B	40199998	4222BEB6	00000001
(720)	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E4E
(760)	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E40	BE353A44	C44AE1FF	C1F51753
(800)	434D2636	415897F5	001C0000	D64E4E40	3EE03F76	44EB73AA	422BBD52	4356E140	415897F5	001C0000
(840)	D64E4040	3FB8E044	4530AD63	431B3D9A	434C626B	415897F5	00200000	000134F3	40199998	4222BAC1
(880)	401C28F5	42129758	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000
(920)	416173F4	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	416173F4	001C0000	C8C54E40
(960)	3E90A694	44B9A774	422E134C	4340D8D7	416173F4	001C0000	D64E4E40	BF117D7A	C5104897	C23D64C2
(1000)	434427FE	416173F4	001C0000	D64E4040	3F70B344	454E8338	4310929F	434C9062	416173F4	00200000
(1040)	000134F3	401C28F5	4212C361	401EB851	4129F9ED	00000001	00000005	001C0000	C84E4040	00000000
(1080)	00000000	00000000	00000000	413527F9	001C0000	C8C54E4E	00000000	00000000	00000000	00000000
(1120)	413527F9	001C0000	C8C54E40	3E45F34E	4442159C	421B7417	431C59D0	413527F9	001C0000	D64E4E40
(1160)	3EFBC09C	44D945E5	423AF22D	4339C50A	413527F9	001C0000	D64E4040	3FDBFF20	459FCB82	431EFFCE
(1200)	43532432	413527F9	00200000	000134F3	401EB851	412CBA70	401EB851	422EA7FB	00000001	00000005
(1240)	001C0000	C84E4040	00000000	00000000	00000000	00000000	4146DFF7	001C0000	C8C54E4E	00000000
(1280)	00000000	00000000	00000000	4146DFF7	001C0000	C8C54E40	3F2ED652	45433A87	42D572F6	435112AB
(1320)	4146DFF7	001C0000	D64E4E40	3F1D9B92	451C34D3	4265D455	43479080	4146DFF7	001C0000	D64E4040
(1360)	3FF1E864	45ADF5F3	43227DCC	4351A1CF	4146DFF7	00200000	000134F3	401EB851	422ED404	402147AD
(1400)	421EB042	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	419F77ED	001C0000
(1440)	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	419F77ED	001C0000	C8C54E40	3F11E14B
(1480)	45170761	425A703D	4340F687	419F77ED	001C0000	D64E4E40	BF227467	C520F9B9	C27600F7	434841E7
(1520)	419F77ED	001C0000	D64E4040	3FDDAF34	459F112F	431FA692	4351364A	419F77ED	00200000	000134F3
(1560)	402147AD	421EDC4B	4023D70A	41EB8A08	00000001	00000005	001C0000	C84E4040	00000000	00000000
(1600)	00000000	00000000	412C4BFA	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	412C4BFA
(1640)	001C0000	C8C54E40	3EBFEEA6	4510B122	42389C32	434C7C4E	412C4BFA			

FILE 6 RECORD 41 LENGTH 748BYTES

(0)	02EC0000	001C0000	D64E4E40	3F1D0BA4	451BC647	426DCE02	4338354A	41732BF2	001C0000	D64E4040
(40)	401EB51F	46155B6A	4348999D	434C6E80	41732BF2	00200000	000134F3	4158F5C1	422DB55B	41591EB7
(80)	421D9170	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	415897F5
(120)	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E40	3F3AA2FE
(160)	4550AAA9	43117BF3	434ABA95	415897F5	001C0000	D64E4E40	3EE03F76	44EB73AA	422BBD52	4356E140
(200)	415897F5	001C0000	D64E4040	401A0637	46122E14	433D191D	434D088B	415897F5	00200000	000134F3
(240)	41591EB7	421DB078	41594AD	41D99B66	00000001	00000005	001C0000	C84E4040	00000000	00000000
(280)	00000000	00000000	415897F5	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	415897F5
(320)	001C0000	C8C54E40	3F595D46	4583DAFC	4318CBA0	4355C1BB	415897F5	001C0000	D64E4E40	3F18C2BB
(360)	45176FEE	4255A7B3	43469A1D	415897F5	001C0000	D64E4040	402C078E	461ED79B	43674D09	434D9C8C

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(   480)  00000000  00000000  41BA0BE9  001C0000  C8C54E40  3F11CE28  451AC7B1  424CD2CE  43586DB6  41BA0BE9
(   520)  001C0000  D64E4E40  3E8E4142  44651574  422540BA  432A4F64  41BA0BE9  001C0000  D64E4040  4017524D
(   560)  4610C184  433540E3  43517D84  41BA0BE9  00200000  000134F3  415947AD  4239CDDA  415970A3  4229AA18
(   600)  00000001  00000005  001C0000  C84E4040  00000000  00000000  00000000  00000000  416173F4  001C0000
(   640)  C8C54E4E  00000000  00000000  00000000  00000000  416173F4  001C0000  C8C54E40  3F29BA20  453CD6D2
(   680)  42B5D425  4353E449  416173F4  001C0000  D64E4E40  3F2AAD7F  4527FCD4  42959DF1  4345706A  416173F4
(   720)  001C0000  D64E4040  40169C48  4610902F  433288A2  43548840  416173F4
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FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
6	41	42	1665	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 6 # OF PERMANENT READ ERRORS 0

START TIME 02/03/82 18:24:53 STOP TIME 02/03/82 18:25:14

$$

D-41312
3/22
3/31
4/1/79

DUMP OF TAPE X406

INPUT TAPE X406 ON MT1
DATA INPUT H9 NF 6 FL 6 1 1

FILE 1 RECORD 1 LENGTH 1668BYTES

(0)	06840000	00200000	000134E9	41602BF5	412AB1E0	4160F5C1	4236C09F	00000001	00000005	001C0000
(40)	C84E4040	4015D8A4	46132518	44257600	4312E34A	414A6B2A	001C0000	C8C54E4E	BE3822AD	C458F09A
(80)	C24B68E2	433A7DF8	414A6B2A	001C0000	C8C54E40	3F15953E	44CF944D	43142926	431245F4	414A6B2A
(120)	001C0000	D64E4E40	BF129AF5	C4704788	C2D30CC1	42FDDBC8	414A6F2A	001C0000	D64E4040	3E7E1E18
(160)	4523FCC3	433775A0	42FA00F4	414A6B2A	00200000	000134E9	4162147A	42240B6E	41630A3C	421CD0EF
(200)	00000001	00000005	001C0000	C84E4040	401856F7	461A4409	442E7944	42E77095	4137D05F	001C0000
(240)	C8C54E4E	3E28EDAC	44261450	42485BD6	43152C64	4137D05F	001C0000	C8C54E40	3F622FC2	45258452
(280)	437764DE	4274A4B1	4137D05F	001C0000	D64E4E40	BE51F485	C44C0671	4214D72E	4332BA83	4137D05F
(320)	001C0000	D64E4040	3FB6BA3C	45456E2B	43406220	431B166C	4137D05F	00200000	000134E9	41642BF5
(360)	41286444	4164F5C1	42369BC4	00000001	00000005	001C0000	C84E4040	40163B52	461A9483	44263F9B
(400)	4311334B	415061E9	001C0000	C8C54E4E	BE931D4C	C4A3A676	C25EB233	43177E76	415061E9	001C0000
(440)	C8C54E40	3F4FD7E2	451AA8FA	43666C45	424FA13C	415061E9	001C0000	D64E4E40	BF1CDB03	C51271E5
(480)	C28A2DE1	43208AC2	415061E9	001C0000	D64E4040	3FBDA99C	453829F5	4353DDE5	4310EF62	415061E9
(520)	00200000	000134E9	4166147A	42249693	41670A3C	421CAC14	00000001	00000005	001C0000	C84E4040
(560)	401A5580	46212501	442C5ED7	43134461	4152645C	001C0000	C8C54E4E	BEB81529	C480FD14	C2FDF920
(600)	42B6F84E	4152645C	001C0000	C8C54E40	3F6305A2	451DAE53	4381CA13	422B23BE	4152645C	001C0000
(640)	D64E4E40	BE14BD34	4435D696	C26CE03C	C3BBC915	4152645C	001C0000	D64E4040	3FEE6DA8	456C0769
(680)	433411FE	4320A401	4152645C	00200000	000134E9	416828F5	416822E4	4168F5C1	423A9BC7	00000001
(720)	00000005	001C0000	C84E4040	401BA517	461CF0B7	4436BE7D	42DCD13C	4167B824	001C0000	C8C54E4E
(760)	BE657874	C4254CBB	C2CA31F7	421613CC	4167B824	001C0000	C8C54E40	3F5F8794	45267AD6	43738B35
(800)	428EA6E2	4167B824	001C0000	D64E4E40	BF10C814	C4D6FECF	4210BB8D	4327D242	4167B824	001C0000
(840)	D64E4040	3FAA71DC	454EBBD5	432CAEF6	432431BA	4167BB24	00200000	000134E9	417028F5	41255150
(880)	4170F5C1	42366A95	00000001	00000005	001C0000	C84E4040	401ECCBC	4623B4D2	44367558	4310399F
(920)	413BA37B	001C0000	C3C54E4E	BE5625C5	C3947EF3	C2A5F3D2	C2DC77D0	413BA37B	001C0000	C8C54E40
(960)	3FEE17A2	45549BA4	44122F62	4255B433	413BA37B	001C0000	D64E4E40	3E34D319	44271971	422F96AF
(1000)	433C6438	413BA37B	001C0000	D64E4040	4010BD82	45659863	435444BD	43194ADE	413BA37B	00200000
(1040)	000134E9	417428F5	412303AF	4174F5C1	423649D3	00000001	00000005	001C0000	C84E4040	402009B8
(1080)	46224AED	443DBB8F	42E46C67	414A6B2A	001C0000	C8C54E4E	BEEA3225	C4BA8B96	C311A243	42DFE383
(1120)	414A6B2A	001C0000	C8C54E40	3F52E46C	4528A156	4352DF8D	42BA2A1B	414A6B2A	001C0000	D64E4E40
(1160)	BE40C3B3	C46D4818	422C8D5B	437905A9	414A6B2A	001C0000	D64E4040	3FED8994	4541C9E3	43762E73
(1200)	43106B2F	414A6B2A	00200000	000134E9	4176147A	421F439A	41770A3C	4217591B	00000001	00000005
(1240)	001C0000	C84E4040	401E939B	46217008	4439A3F2	42EBFAF3	413FC991	001C0000	C8C54E4E	3F125F2E
(1280)	44A7C9C4	431AE596	424EEE81	413FC991	001C0000	C8C54E40	3FC6C3C8	4544BA8F	43F4A915	424C233E
(1320)	413FC991	001C0000	D64E4E40	BF22103E	C5110954	C3117184	43170C47	413FC991	001C0000	D64E4040
(1360)	3FF716FC	4557DE75	434E2D1E	4315DE88	413FC991	00200000	000134E9	417828F5	411334D1	4178F5C1
(1400)	42354ECD	00000001	00000005	001C0000	C84E4040	402F346A	462F4932	44627518	42D1CB73	413A78C5
(1440)	001C0000	C8C54E4E	3F1C3D54	4521E124	4315C678	431E1328	413A78C5	001C0000	C8C54E40	3FF03EA2
(1480)	4545D6D6	44141DDE	422A2E88	413A78C5	001C0000	D64E4E40	3F157386	441ABDDD	431AC41C	C22D047E
(1520)	413A78C5	001C0000	D64E4040	401D6CE2	4571D5E6	43F8F4D6	42BF80A2	413A78C5	00200000	000134E9
(1560)	418028F5	411FF0C0	41B0F5C1	42361BA4	00000001	00000005	001C0000	C84E4040	4032FBD4	463071AE
(1600)	446D7B4F	42BC2FED	413D212B	001C0000	C8C54E4E	3E67C5E6	44A4324D	4254BC43	4334FCEE	413D212B
(1640)	001C0000	C8C54E40	40138C72	45814791	441762BF	42962FCE	413D212B			

FILE 1 RECORD 7 LENGTH 1036BYTES

(0)	040C0000	00200000	000134E9	4212328E	41526F69	4212BF5C	4239408F	00000001	00000005	001C0000
(40)	C84E4040	4023A983	462F1AFC	44369BEF	4314E305	4126E50D	001C0000	C8C54E4E	BE359A6F	C475D42C
(80)	422B5A99	433FD567	4126E50D	001C0000	C8C54E40	3F2350E2	4517850A	431E8F53	4316D769	4126E50D
(120)	001C0000	D64E4E40	3F15D742	44D93D91	425CFD2A	431DA318	4126E50D	001C0000	D64E4040	40C9A0E8
(160)	4657F225	443592A7	43200340	4126E50D	00200000	000134E9	42130228	412862A1	42130F5B	42369BAA
(200)	00000001	00000005	001C0000	C84E4040	401F17A9	462C09E4	442D4C5E	43173AB9	4119EE09	001C0000
(240)	C8C54E4E	3F1027F4	44E564F6	4312C33A	4312FA7E	4119EE09	001C0000	C8C54E40	3F425CCC	4535CF64
(280)	43235EF6	431B93D3	4119EE09	001C0000	D64E4E40	3F412ED9	451B91AA	4322E73B	42F2A6F4	4119EE09
(320)	001C0000	D64E4040	411DDEA1	4672C25C	44FD2F20	42BC6408	4119EE09	00200000	000134E9	42132146
(360)	42243E93	421330A3	421C5413	00000001	00000005	001C0000	C84E4040	402E441F	4633C3B7	445532FE
(400)	42F535F7	4117EB96	001C0000	C8C54E4E	3DA5E99D	C435D696	426CE03C	C3BBC915	4117EB96	001C0000
(440)	C8C54E40	3F93A688	455E9F45	43669854	4311BFF4	4117EB96	001C0000	D64E4E40	3F4F99AB	4521A57C
(480)	432E63A7	43107002	4117EB96	001C0000	D64E4040	40C1E90C	46431021	4442BFE0	4314D898	4117EB96

(600)	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	417E8FF0	001C0000
(640)	C8C54E4E	00000000	00000000	00000000	00000000	417E8FF0	001C0000	C8C54E40	3F65E57A	4543F2A6
(680)	4357CAB1	4316D1FD	417E8FF0	001C0000	D64E4E40	3F143583	45111935	4226EE34	43311678	417E8FF0
(720)	001C0000	D64E4040	4035B5F4	4613E57F	44126E2B	43190BB2	417E8FF0			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
5	41	42	1668	0	1	0	0	1	1

FILE 6 RECORD 1 LENGTH 1668BYTES

(0)	06840000	00200000	000134F3	3FF5C284	42369133	4011EB84	42266D71	00000001	00000005	001C0000
(40)	C84E4040	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E4E	00000000	00000000
(80)	00000000	00000000	415897F5	001C0000	C8C54E40	3F1E797F	452B5499	428CC916	434FDDAC	415897F5
(120)	001C0000	D64E4E40	BE4524AC	C452D710	C1B6411A	436E325D	415897F5	001C0000	D64E4040	3FD509CC
(160)	4593586F	431F954C	434B8A09	415897F5	00200000	000134F3	4011EB84	4226997A	40147AE0	421675CE
(200)	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	413527F9	001C0000
(240)	C8C54E4E	00000000	00000000	00000000	00000000	413527F9	001C0000	C8C54E40	3E9FAEC4	44E0A5D8
(280)	422DF45D	434D2633	413527F9	001C0000	D64E4E40	3E4FD459	444DBAAF	421107CB	434EDC1C	413527F9
(320)	001C0000	D64E4040	3FD1ECFC	4595A77B	431E3FB7	43505E82	413527F9	00200000	000134F3	40147AE0
(360)	4216A1D7	40170A3C	4167E15C	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000
(400)	00000000	4146DFF7	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	4146DFF7	001C0000
(440)	C8C54E40	3F28A7F0	45398C83	42BC73CC	434F12DE	4146DFF7	001C0000	D64E4E40	BE10D178	43D116DB
(480)	C19911FB	C3C8B398	4146DFF7	001C0000	D64E4040	3F6EAE8C	454CC02D	43107110	434C4940	4146DFF7
(520)	00200000	000134F3	40170A3C	416AA1DF	40170A3C	42328672	00000001	00000005	001C0000	C84E4040
(560)	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E4E	00000000	00000000	00000000
(600)	00000000	415897F5	001C0000	C8C54E40	BE27B9A6	C4568711	C14E52AF	43A13E6C	415897F5	001C0000
(640)	D64E4E40	3F18609E	4517EF40	4251BA4F	434C5B86	415897F5	001C0000	D64E4040	3F738618	4550A15C
(680)	4310EAEB	434CAD40	415897F5	00200000	000134F3	40170A3C	4232B27B	40199998	4222BEB6	00000001
(720)	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E4E
(760)	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E40	BE353A44	C44AE1FF	C1F51753
(800)	434D2636	415897F5	001C0000	D64E4E40	3EE03F76	44EB73AA	422BBD52	4356E140	415897F5	001C0000
(840)	D64E4040	3FB8E044	4530AD63	431B3D9A	434C626B	415897F5	00200000	000134F3	40199998	4222BAC1
(880)	401C28F5	42129758	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000
(920)	416173F4	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	416173F4	001C0000	C8C54E40
(960)	3E90A694	44B9A774	422E134C	4340D8D7	416173F4	001C0000	D64E4E40	BF117D7A	C5104897	C23D64C2
(1000)	434427FE	416173F4	001C0000	D64E4040	3F70B344	454E8338	4310929F	434C9062	416173F4	00200000
(1040)	000134F3	401C28F5	4212C361	401EB851	4129F9ED	00000001	00000005	001C0000	C84E4040	00000000
(1080)	00000000	00000000	00000000	413527F9	001C0000	C8C54E4E	00000000	00000000	00000000	00000000
(1120)	413527F9	001C0000	C8C54E40	3E45F34E	4442159C	421B7417	431C59D0	413527F9	001C0000	D64E4E40
(1160)	3EFBC09C	44D945E5	423AF22D	4339C50A	413527F9	001C0000	D64E4040	3FDBFF20	459FCB82	431EFFCE
(1200)	43532432	413527F9	00200000	000134F3	401EB851	412CBA70	401EB851	422EA7FB	00000001	00000005
(1240)	001C0000	C84E4040	00000000	00000000	00000000	00000000	4146DFF7	001C0000	C8C54E4E	00000000
(1280)	00000000	00000000	00000000	4146DFF7	001C0000	C8C54E40	3F2ED652	45433A87	42D572F6	435112AB
(1320)	4146DFF7	001C0000	D64E4E40	3F1D9B92	451C34D3	4265D455	43479080	4146DFF7	001C0000	D64E4040
(1360)	3FF1E864	45ADF5F3	43227DCC	4351A1CF	4146DFF7	00200000	000134F3	401EB851	422ED404	402147AD
(1400)	421EB042	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	419F77ED	001C0000
(1440)	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	419F77ED	001C0000	C8C54E40	3F11E14B
(1480)	45170761	425A703D	4340F687	419F77ED	001C0000	D64E4E40	BF227467	C520F9B9	C27600F7	434841E7
(1520)	419F77ED	001C0000	D64E4040	3FDDAF34	459F112F	431FA692	4351364A	419F77ED	00200000	000134F3
(1560)	402147AD	421EDC4B	4023D70A	41EB8A08	00000001	00000005	001C0000	C84E4040	00000000	00000000
(1600)	00000000	00000000	412C4BFA	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	412C4BFA
(1640)	001C0000	C8C54E40	3EBFEEA6	4510B122	42389C32	434C7C4E	412C4BFA			

FILE 6 RECORD 41 LENGTH 748BYTES

(0)	02EC0000	001C0000	D64E4E40	3F1D0BA4	451BC647	426DCE02	4338354A	41732BF2	001C0000	D64E4040
(40)	401EB51F	46155B6A	4348999D	434C6E80	41732BF2	00200000	000134F3	4158F5C1	422DB55B	41591EB7
(80)	421D9170	00000001	00000005	001C0000	C84E4040	00000000	00000000	00000000	00000000	415897F5
(120)	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	415897F5	001C0000	C8C54E40	3F3AA2FE
(160)	4550AAA9	43117BF3	434ABA95	415897F5	001C0000	D64E4E40	3EE03F76	44EB73AA	422BBD52	4356E140
(200)	415897F5	001C0000	D64E4040	401A0637	46122E14	433D191D	434D088B	415897F5	00200000	000134F3
(240)	41591EB7	421DB078	41594AD	41D99B66	00000001	00000005	001C0000	C84E4040	00000000	00000000
(280)	00000000	00000000	415897F5	001C0000	C8C54E4E	00000000	00000000	00000000	00000000	415897F5
(320)	001C0000	C8C54E40	3F595D46	4583DAFC	4318CBA0	4355C1BB	415897F5	001C0000	D64E4E40	3F18C2BB
(360)	45176FEE	4255A7B3	43469A1D	415897F5	001C0000	D64E4040	402C078E	461ED79B	43674D09	434D9C8C

```
(   480)  00000000  00000000  41BA0BE9  001C0000  C8C54E40  3F11CE28  451AC7B1  424CD2CE  43586DB6  41BA0BE9
(   520)  001C0000  D64E4E40  3E8E4142  44651574  422540BA  432A4F64  41BA0BE9  001C0000  D64E4040  4017524D
(   560)  4610C184  433540E3  43517D84  41BA0BE9  00200000  000134F3  415947AD  4239CDDA  415970A3  4229AA18
(   600)  00000001  00000005  001C0000  C84E4040  00000000  00000000  00000000  00000000  416173F4  001C0000
(   640)  C8C54E4E  00000000  00000000  00000000  00000000  416173F4  001C0000  C8C54E40  3F29BA20  453CD6D2
(   680)  42B5D425  4353E449  416173F4  001C0000  D64E4E40  3F2AAD7F  4527FCD4  42959DF1  4345706A  416173F4
(   720)  001C0000  D64E4040  40169C48  4610902F  433288A2  43548840  416173F4
```

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
6	41	42	1665	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 6 # OF PERMANENT READ ERRORS 0

START TIME 02/03/82 18:24:53 STOP TIME 02/03/82 18:25:14

$$

ESA-GEOS 2

LOW ENERGY ELECTRON AND PROTON

78-071A-04B SPMS-00521

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 1600 BPI STANDARD LABEL TAPE WRITTEN IN BINARY. THERE IS ONE RESTORED NON-LABELLED TAPE. WHEN THE TAPE WAS RESTORED, THE LABEL WAS STRIPPED. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON A NORD 10 COMPUTER AND WAS RESTORED ON THE MRS. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005625	DS005625	D045306	2	03/22/79 - 04/01/79

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

ESA GEOS 2

LOW ENERGY ELECTRON AND PROTON

78-071A-04B

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

D#	C#	TIME SPAN
D-45306	C-21544	3/22/79-4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 78-071A-04E

DATE DATA RECEIVED: 7/20/81

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

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

SATELLITE NAME/NSDF NAME: ESA - GEOS 2

EXPERIMENT NAME:

DATA SET FULL NAME: LOW ENERGY ELECTRON + PROTON

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 45306 C-21544

REMARKS:

1600, bin 9 trk 2 files

3/22/79 – 4/1/79

CDAW

DATA RECEIPT NOTIFICATION SENT? ☐

Linda Moran

DATA TECHNICIAN

601-32 (6/76) ADP SERVICES (MACHINE SENSIBLE ONLY)

Date 7/7/81
NSSDC ID 78-071A-04B

CDAW DATA SET ENTRY

Date Rcvd: July 7, 1981 CDB: Ø6

Data Sent By: Hans Borg

Material Rcvd: 1 tape - 1600 bpi, 9-track
documentation & dump

Satellite/NSDF Name: ESA-GEOS 2

Data Set Name: LOW ENERGY

☒ New Data Set ☐

Comments

Time Coverage: March

Tapes To be Returned to:

Please return DUMP to us. Thanks

The time span is days from 1950

7 × 366 = 2562
22 × 365 = 8030
10592

10672
− 10592
80

1978
1979

Days since 1950

80 days

50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65
66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

e006
7/1/81
78-021A-04B

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: GEOS 2, S310		
2. Scientific Contact: Hans Borg	3. Telephone No. or Telex No.: 090/130505, Telex 540 60 UBUMEA S	
4. Address: Fysik HUFO, Umeå Universitet		
5. City: S-901 87 Umeå	6. State	7. ZIP Code or Country: SWEDEN
8. Programmer Contact: Lars Fernström		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 1	2. Tape Density: ☐ 800 bpi ☒ ~~1600 bpi~~ 6250bpi
3. No. of Files (per tape): 2	
4. No. of End of File Marks: 3 (2 EOF's at EOT)	5. No. of Tracks: ☐ 7 ☒ 9
6. Recording Parity: Odd	7. Make and Model of Computer Used to Generate Tape: NORD 10 (Norsk Data AS)

8. Are tapes written in binary, coded or both? (e.g. BCD)
Labels in EBCDIC, Data records in binary.

9. What floating point representation is used? (e.g. CDC 64 bit)
No floating point.

10. What integer representation is used?
Negative numbers in 2's-complement form.

11. No. of Physical Records (per file)
~~File 1: 1 record~~ File 3: 368 records
File 2: 242 records

12. Are original tapes to be returned? ☐ Yes ☐ No

13. Start and Stop Time of Each File (If more space is needed, please attach.)

File	Date	Start time	Stop time
2	22:nd of March	05.59.58	17.59.10
3	31:st of March-1:st of April	11.59.51-	05.58.38

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

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

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

601-79 (10/80)

CDB6
7/7/81
78-071A-04B

SECTION III

GEOS 2

S310 Data Base Specification

1) Physical record size

Data records: 7212 bytes BINARY

Label record: 80 bytes EBCDIC

2) Logical record size

Data records: 3606 bytes BINARY

Label record: 80 bytes EBCDIC

3) Files

Number of files: 2 (including label file)

Number of EOF's: 3

End of tape (EOT) is marked by 2 adjacent EOF's.

4) Number of physical records per file.

File	Records	Content
~~1~~	~~1~~	~~Label~~
2 1	242	Data from the 22:nd of March 1979
3 2	368	Data from the 31:st of March 1979 and the 1:st of April 1979

5) Record specification

Unless othervice stated, all figures below refer to 8-bit bytes.

Standard 80-bytes Vol 1 Header label

Offset	Length	Content
0	4	Vol 1
4	6	Volume number
10	37	Spares (blank)
37	4	Experiment id. (S310)
41	6	Tape creation date (Year-1900, month, day)
47	33	Spares (blank)

Data record

A logical data record is composed of 22 bytes auxiliary data and 256 frames (each 14 bytes long) of experimental data. The auxiliary data refer to frame 1 except for the magnetic field angles number 2 through 4 which refer to frame 65, 129 and 193 respectively. The time difference between 2 consequtive frames is 0.344 seconds and, thus, a logical record constitutes 88.064 seconds of experimental data.

Auxiliary data

Offset	Length	Content
0	2	MJD. Modified Julian Day Number
2	4	UT. Universal Time in milliseconds
6	4	EDT. Eccentric Dipole Time in sec.
10	2	R. Radial distance in units of 10 kms.
12	2	EDL. Eccentric Dipole Latitude in units of hundredth degrees.
14	2	PL1. Ref. Frm. 1 } Angle of local magnet
16	2	PL2. " " 65 } field with respect t
18	2	PL3 " " 129 } spin axis. Unit in

Experimental data

Offset	Length	Content	
22	1	QU. Quality byte	Frame 1
23	1	S2-7. Status detectors 2-7	"
24	2	D2. Detector 2 count rate	"
26	2	D4. " 4 " "	"
28	2	D6. " 6 " "	"
30	2	D7. Status detector 7	"
32	1	DU. Dummy byte (255)	"
33	1	S9. Status detector 9	"
34	2	D9. Detector 9 count rate	"
36	1	QU. Quality byte	Frame 2
37	1	S2-7. Status detectors 2-7	"
.	.	. . .	.
.	.	. . .	.
.	.	. . .	.
3603	1	S9. Status detector 9	Frame 256
3604	2	D9. Detector 9 count rate	"

Quality byte = 0 Useful data in frame

= 255 Dummy frame

Status byte comprise 3 parameters as follows

(bits in power of 2, i.e. 0=LSB)

Bits	Content
0	Type of particle measured: 0=electrosn
	1=positive ions
1-2	Energy scan mode: 0=sweep
	1=fixed
	2=stepping

COB 6
7/7/81
76-071A-04B 4.

In the swept mode, the E-level reads alternatingly 8 and 23 indicating that the detector counts are obtained from an energy scan over the E-level numbers 15-8 and 16-23 respectively. In the fixed and stepped mode, the E-level number gives the actual E-level for the measurements.

The count rates are given as cts/86 msec.

Dummy data has the value 'FFFF' hexadecimal; i.e. all ones.

	MJD		UT		EDT		R		EDL	PL1	PL2	PL3	PL4
ary :a													
ame 1	QU	S2-7	D2	D4	D6	D7	DU	S9	D9				
sec ame 2	QU	S2-7	D2	D4	D6	D7	DU	S9	D9				
ame 3	QU	S2-7	D2	D4	D6	D7	DU	S9	D9				
064 sec													
ame 256	QU	S2-7	D2	D4	D6	D7	DU	S9	D9				

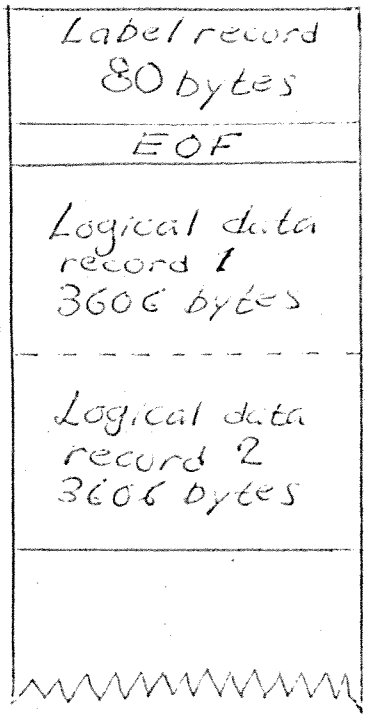
Logical datarecord (Scanned left → right (top → bottom))

Fig. 1

CPB 6
7/7/81
76-0214-04B

Fig. 2 Tape layout

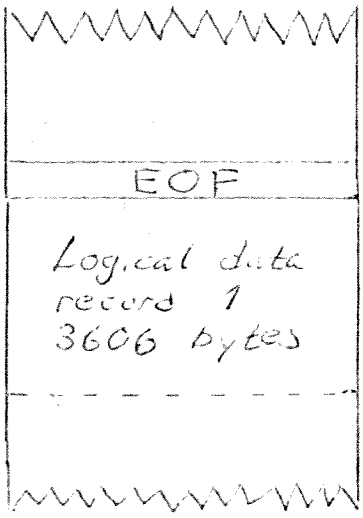
COBS
7/7/81
78-07A-04B



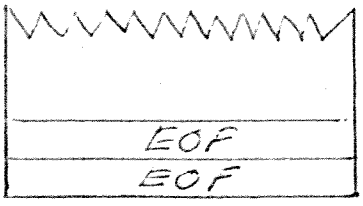
File 1: 1 record

File 2: 242 records

7212 bytes



File 3: 368 records



End of tape

DUMP OF TAPE X-410

D-45306
3/22/79 - 4/1/7

INPUT TAPE X-410 ON MT1
DATA INPUT H9 NF 3 SR 2 1 1 SR 3 LAST 1

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

FILE 2 RECORD 1 LENGTH 7212BYTES

(0)	29B00149	91350000	70971079	FE9E04B6	04BB04EF	04C800B8	001A0011	00050000	FF850008	00B80015
(40)	001C0003	FFFFFF85	000800B8	001B0019	FFFFFFFF	FF85000E	00B80019	0022FFFF	FFFFFF85	001100B8
(80)	001A0027	FFFFFFFF	FF850015	00B80018	001AFFFF	FFFFFF85	001900B8	00250028	FFFFFFFF	FF850012
(120)	00B8001D	001AFFFF	FFFFFF85	000F00B8	00230028	FFFF001A	FF850012	00B8001C	00210009	0023FF85
(160)	000F00B8	00150020	0009001B	FF850015	00B80015	00240005	0026FF85	001000B8	000D0020	00060016
(200)	FF85000E	00B80019	001D0006	0012FF85	000E00B8	000D001C	0006001E	FF85000C	00B80016	00140004
(240)	000DFF85	000300B8	00070011	00070014	FF85000A	00B80012	000E0004	000FFF85	000800B8	0008001A
(280)	0007000F	FF850005	00FA000C	00160002	FFFFFF75	000600FA	000F0011	FFFFFFFF	FF750003	00FA000A
(320)	0015FFFF	FFFFFF75	000B00FA	000C0014	FFFFFFFF	FF75000B	00FA000D	000FFFFF	FFFFFF75	000B00FA
(360)	000E0014	FFFFFFFF	FF75000A	00FA0013	0016FFFF	FFFFFF75	000C00FA	0015001A	FFFF0009	FF75000E
(400)	00FA0011	00100003	0005FF75	000B00FA	000C0013	0001000B	FF750010	00FA000B	000B0007	0007FF75
(440)	000900FA	000C000A	00020004	FF75000C	00FA0004	000F0002	0005FF75	000900FA	000E000F	00010006
(480)	FF750007	00FA0007	000C0003	0002FF75	000400FA	0007000D	00010009	FF750006	00FA000B	00120000
(520)	0004FF75	000900FA	00050010	00040008	FF750005	00FA0012	000F0002	FFFFFF75	000D00FA	000D0008
(560)	FFFFFFFF	FF75000B	00FA000E	000FFFFF	FFFFFF75	000D00FB	00100012	FFFFFFFF	FF750003	00FB0004
(600)	000AFFFF	FFFFFF75	000600FB	000B000D	FFFFFFFF	FF750005	00FB000C	0015FFFF	FFFFFF75	000400FB
(640)	000F0013	FFFF0009	FF750009	00FB000D	001D0001	0010FF75	000700FB	00140013	00050010	FF75000F
(680)	00FB0010	00160002	0009FF75	000A00FB	000A000F	00030010	FF75000B	00FB0009	000C0007	0004FF75
(720)	000D00FB	0008000F	00060007	FF750006	00FB0004	00080007	0009FF75	000400FB	00020012	00050008
(760)	FF750004	00FB0001	00090002	000EFF75	000400FB	00010007	0002000E	FF750003	00FB0002	00090005
(800)	FFFFFF65	000100FB	00080010	FFFFFFFF	FF650009	00FB000A	0012FFFF	FFFFFF65	000300FB	00110017
(840)	FFFFFFFF	FF650007	00FB000F	0010FFFF	FFFFFF65	000600FB	000C001C	FFFFFFFF	FF650008	00FB000D
(880)	0017FFFF	FFFFFF65	000700FB	000D0011	FFFF000A	FF65000B	00FB000F	000F0004	000EFF65	000700FB
(920)	000E0016	00020013	FF650006	00FB000B	00110008	000FFF65	000600FB	00090015	0004000A	FF65000D
(960)	00FB000A	00120007	000AFF65	000500FB	0003000B	00050007	FF650009	00FB0004	00070001	000EFF65
(1000)	000600FB	00020006	0003000C	FF650006	00FB0003	00050005	000BFF65	000500FB	0002000B	00050009
(1040)	FF650001	00FB000B	00100006	FFFFFF65	000400FB	0008000B	FFFFFFFF	FF650008	00FB000D	0011FFFF
(1080)	FFFFFF65	000500FB	000B001B	FFFFFFFF	FF650004	00FB0011	0019FFFF	FFFFFF65	000C00E5	000E0010
(1120)	FFFFFFFF	FF650004	00E50007	0013FFFF	FFFFFF65	000700E5	000A000A	FFFF000D	FF650004	00E50006
(1160)	00170005	000BFF65	000200E5	000B0010	0003000E	FF650005	00E50007	00190003	000AFF65	000300E5
(1200)	0007000B	0002000E	FF650003	00E50006	00060007	000BFF65	000500E5	00040008	0004000C	FF650003
(1240)	00E50002	00050002	0005FF65	000000E5	00050008	0006000A	FF650005	00E50002	00090003	0006FF65
(1280)	000200E5	00040008	00030006	FF650003	00E50005	000B0005	FFFFFF55	000600E5	00090010	FFFFFFFF
(1320)	FF550005	00E5000F	0010FFFF	FFFFFF55	000300E5	0008000C	FFFFFFFF	FF55000C	00E50009	0014FFFF
(1360)	FFFFFF55	000300D5	0004001B	FFFFFFFF	FF550007	00D5000A	000AFFFF	FFFFFF55	000800D5	000D000E
(1400)	FFFF000D	FF550007	00D50009	00170001	000AFF55	000B00D5	000A0012	00040008	FF550009	00D50008
(1440)	000B0001	0004FF55	000400D5	00050009	00010009	FF550005	00D50004	000C0004	000DFF55	000900D5
(1480)	0004000C	00040005	FF550008	00D50002	00040001	0005FF55	000400D5	00030003	00010004	FF550007
(1520)	00D50001	00060002	0001FF55	000500D5	0001000E	00030006	FF550007	00D50008	000C0003	FFFFFF55
(1560)	000700D5	0009000D	FFFFFFFF	FF55000A	00D50002	000FFFFF	FFFFFF55	000500D5	00090011	FFFFFFFF
(1600)	FF550004	00D50009	000FFFFF	FFFFFF55	000500C5	00180012	FFFFFFFF	FF550005	00C5000C	0018FFFF
(1640)	FFFFFF55	000900C5	00100000	FFFF000C	FF550007	00C50008	00150001	0008FF55	000800C5	000B0014
(1680)	00010009	FF550004	00C50007	000A0003	0010FF55	000400C5	000E0014	0004000D	FF550007	00C5000D
(1720)	000E0003	000EFF55	000800C5	00050005	00020007	FF550003	00C50004	00150003	0008FF55	000600C5
(1760)	0002000A	00000009	FF550002	00C50003	00130002	0003FF55	000400C5	0008000F	00040004	FF550008
(1800)	00C50008	000C0004	FFFFFF45	001A00C5	000C0013	FFFFFFFF	FF45000F	00C5000E	0017FFFF	FFFFFF45
(1840)	001600C5	0012000F	FFFFFFFF	FF450017	00C5000A	0014FFFF	FFFFFF45	002100B5	00140026	FFFFFFFF
(1880)	FF450014	00B50019	0027FFFF	FFFFFF45	001B00B5	0013001B	FFFF000D	FF45001F	00B50011	001C0003
(1920)	000CFF45	001A00B5	00190020	00060006	FF450016	00B50014	00220006	000EFF45	00170085	00110025
(1960)	00070012	FF45001B	00B5000A	00170004	0009FF45	001700B5	000C0016	0003000E	FF45000E	00B50005
(2000)	00120005	0008FF45	001000B5	00020011	0004000E	FF45000E	00B50006	000E0001	0009FF45	001100B5
(2040)	0004000C	00050005	FF45000E	00B5000A	00140007	FFFFFF45	001400B5	00110019	FFFFFFFF	FF450020
(2080)	00B50017	001AFFFF	FFFFFF45	001600B5	001A0023	FFFFFFFF	FF450016	00B50012	001DFFFF	FFFFFF45

D-45306

```
$JOB  17:40:13
$ASS IN MT1
$NOP ***********  EBCDIC LIST OF X-410  ***********
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED SR=1=1

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   80
VOL1113855                          240681S310

***** JOB DONE.
$EXE TPDUMP BS
```

ESA-GEOS 2

LS VLF FILTERBANK

78-071A-06B SPMS-00005

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
DR005855	DS005855	D045920	1 - 6	02/18/79 - 04/03/79

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

ESA GEOS 2

LS VLF FILTERBANK

78-071A-06B

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

D#	C#	TIME SPAN
D-45920	C-21624	2/18/79,3/9/79,3/22/79,3/31/79,4/3/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 78-071A-06B

DATE DATA RECEIVED: 3/24/81

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:	1 Mag Tape

SATELLITE NAME/NSDF NAME: ESA - GEOS 2

EXPERIMENT NAME:

DATA SET FULL NAME: LS VLF Filterbank

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: DD45920 C-21624

REMARKS:

1600 Bin 9trk 6 files

3/22/79 3/9

3/31

4/3

2/18

CDAW

DATA RECEIPT NOTIFICATION SENT? ☐

J. Moran

DATA TECHNICIAN

601-32 (6/76) ADP SERVICES (MACHINE SENSIBLE ONLY)

Date August 14, 1981
NSSDC ID 78-071A-06B

CDAW DATA SET ENTRY

Date Rcvd: August 10, 1981 CDB: 06

Data Sent By: Axel Balthasen

Material Rcvd: 1 tape 9-track 1600 bpi
documentation & dump
verification plots (1st file ASCII plus Bin

Satellite/NSRF Name: ESA-GEOS 2

Data Set Name: LS VLF filterbank

☒ New Data Set ☐ Additions ☐ Replacements

Comments

Time Coverage: Feb 18, March 9, March 22, March 31, April 1, 4 April

Tapes To be Returned to: Not To Be Returned

Completed By: Kathy Headley

78-071A-06B
8/14/81

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

S-300 with FDP
8 processors
VLF FILTERBANK

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: CDBVLFGEOS		
2. Scientific Contact: A. Bahnsen	3. Telephone No. or Telex No.: 2 882277 37198	
4. Address: Lundtoftevej 7		
5. City: DK-2800 Lyngby, Denmark	6. State	7. ZIP Code or Country
8. Programmer Contact: same		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 1	2. Tape Density: ☐ 800 bpi ☒ 1600 bpi
3. No. of Files (per tape): 5, and a header file	
4. No. of End of File Marks: 1 between files, 2 after last file	5. No. of Tracks: ~~7~~ ☒ 9
6. Recording Parity: Odd.	7. Make and Model of Computer Used to Generate Tape: Hewlett Packard F1000
8. Are tapes written in binary, coded or both? (e.g. BCD): First file is in ASCII, the five data files binary	
9. What floating point representation is used? (e.g. CDC 64 bit): only integer	
10. What integer representation is used?: one word is 16 bits	
11. No. of Physical Records (per file): File 1: 1, File 2: 574, File 3: 737, File 4: 205, File 5: 410, File 6: 288 Record length of File 1 is 40 words (80 bytes), of all data Files: 1040 words	
12. Are original tapes to be returned? ☐ Yes ☒ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) File 1 is a Header File. File 2: 22 March 06 to 20 UT File 3: 31 March 12 UT to 1 April 06 UT File 4: 3 April 00 to 10 UT. File 5: 18 Febr. 19 to 24 UT File 6: 9 March 07-14 UT. After File 6 are two end-of-file marks	

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

See Computer Read program attached to the listing of the tape

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

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

601-79 (10/80)

DANISH SPACE RESEARCH INSTITUTE

LUNDTOFTEVEJ 7
DK-2800 LYNGBY DENMARK

TELEPHONE (02) 88 22 77
TELEGRAPH: SPACELAB, COPENHAGEN

TELEX: 37198

78-071A-06B
8/14/81

YOUR REF.

OUR REF. AB/jv

LYNGBY, 31 August 1981

Information on Filterbank data.

In addition to the filled-out tape documentation form the following information can be given:

Each physical record or block contains data from 64 L. S. Formats and the time of the start of the first format, and contains 1040 words. The first 8 words are

word 1: Qualitycheck, 0 if O.K., -1 if some of the 64 Formats have errors

vord 2 and 3: L.S. Format Counter (32 bits binary).

word 4: Julian Day

word 5: Hour of the day

word 6: Minutes ofthe hour

word 7: Seconds and

word 8: Miliseconds of the minute

The remaining 1024 words are given by the array I DATA (I, J, K) where K = 1 to 8 denotes the filterbank channels:

K =	1	Bx1	0.2 to 0.6 kHz
	2	Bx2	0.6 to 1.25 kHz
	3	Bx3	1.25 to 2.5 kHz
	4	Bx4	2.5 to 5.0 "
	5	Bz1	0.2 to 0.6 "
	6	Bz2	0.6 - 1.25 "
	7	Bz3	1.25 - 2.5 "
	8	Bz4	2.5 - 5.0 "

J = 1 gives the average over one L.S. Format (8 data points) J = 2 gives the peak value in the L.S. Format.
I = 1 to 64 denotes the 64 L.S. Formats, the time and format counter corresponds to I = 1.
In case of bad or missing data (some of the 64 formats missing) dummy data = 537 (full scale) have been inserted.

All data words are 16 bits and give the amplitude in the particular filter range in logarithmic form, namely as 200 times the log, base 10, of the field in pico Tesla. The averages are performed before taking the logarithm, but for further averaging, an equally good representative of the data can be made taking simple averages of the tape data (using J = 1). The peak values (J = 2) relative to the averages give a characterization of the nature of the VLF emissions.

August 3, 1981 A. Bahnsen

V-45420

DUMP OF TAPE X-404

INPUT TAPE X-404 ON MT2
DATA INPUT H9 NF 6 FL 6 1 0

FILE 1 RECORD 1 LENGTH 80 BYTES

(0)	43444256	4C464745	4F533220	46494C54	45524241	4E4B2028	44535249	29203120	464D543D	31333736
(40)	20303130	20405345	43202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020

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

FILE 2 RECORD 1 LENGTH 2080 BYTES

(0)	000001DB	378029B0	0005003B	003A0203	00000000	00000000	00000000	00000000	FFB0FFB2	FFB2FFB0
(40)	FFB0FFB1	FFB2FFB1	FFAFFFB1	FFB3FFB2	FFB0FFB1	FFB0FFB0	FFB0FFB1	FFAFFFAF	FFAFFFB0	FFAFFFAF
(80)	FFAFFFB0	FFAFFFAD	FFAFFFAF	FFB0FFB3	FFB2FFB3	FFB9FFB6	FFB3FFB5	FFB5FFB3	FFB0FFB4	FFB3FFB2
(120)	FFB0FFB0	FFB0FFAE	FFAFFFB0	FFB5FFB2	FFAFFFB0	FFB0FFB1	FFAFFFAF	FFAEFFAD	FFB2FFB1	FFB0FFB0
(160)	FFB1FFB1	FFB1FFB1	FFB1FFB4	FFB4FFB1	FFB1FFB4	FFB4FFB4	FFB1FFB1	FFB1FFB1	FFB1FFB1	FFB1FFB1
(200)	FFB1FFB1	FFB1FFAE	FFB1FFB1	FFB1FFAE	FFB1FFAE	FFB1FFB4	FFB1FFB4	FFBCFFB9	FFB4FFB4	FFB4FFB4
(240)	FFB1FFB4	FFB4FFB4	FFB1FFB1	FFB1FFAE	FFAEFFB1	FFB9FFB6	FFB1FFB1	FFB4FFB4	FFB1FFB1	FFB1FFAE
(280)	FFB1FFB1	FFB1FFB1	FF96FF9A	FF94FF92	FF95FF96	FF97FF96	FF96FF97	FF97FF97	FF97FF97	FF97FF95
(320)	FF97FF97	FF97FF96	FF92FF95	FF94FF93	FF94FF95	FF98FF93	FF94FF94	FF93FF95	FF94FF97	FFA3FF96
(360)	FF94FF96	FF94FF93	FF94FF98	FF99FF95	FF94FF94	FF95FF94	FF94FF99	FFA2FF95	FF93FF94	FF96FF96
(400)	FF93FF94	FF94FF95	FF96FF93	FF95FF95	FF97FF9D	FF97FF94	FF97FF97	FF97FF97	FF97FF97	FF97FF97
(440)	FF97FF97	FF97FF97	FF97FF97	FF97FF97	FF94FF97	FF97FF94	FF94FF97	FF9DFF94	FF94FF94	FF94FF97
(480)	FF94FF9D	FFA8FF9A	FF94FF97	FF94FF94	FF94FF9A	FF9AFF97	FF94FF94	FF97FF94	FF94FF9D	FFA5FF9A
(520)	FF94FF97	FF9AFF9A	FF94FF94	FF94FF9A	FF9AFF94	FF97FF97	FF96FF9C	FF93FF93	FF95FF97	FF97FF97
(560)	FF97FF97	FF97FF97	FF98FF97	FF97FF96	FF97FF97	FF97FF96	FF93FF95	FF93FF96	FF96FF98	FF99FF95
(600)	FF92FF93	FF95FF94	FF9BFFAD	FFA2FF96	FF94FF93	FF93FF95	FF97FF98	FF98FF96	FF94FF93	FF93FF94
(640)	FF9CFFAC	FFA0FF96	FF95FF95	FF98FF96	FF93FF94	FF93FF98	FF99FF93	FF95FF97	FF97FFA2	FF94FF94
(680)	FF97FF97	FF97FF97	FF97FF97	FF97FF97	FF9AFF97	FF97FF97	FF97FF97	FF94FF97	FF94FF97	FF94FF97
(720)	FF9AFF9A	FF9AFF97	FF94FF94	FF97FF94	FFA2FFB1	FFABFF97	FF94FF94	FF94FF97	FF9AFF9D	FF9AFF97
(760)	FF94FF94	FF94FF94	FFA2FFB1	FFABFF97	FF97FF97	FF9DFF9D	FF94FF94	FF94FF9D	FFA0FF94	FF97FF9A
(800)	FF9AFF9E	FF93FF93	FF93FF92	FF93FF92	FF92FF93	FF93FF92	FF93FF93	FF92FF93	FF93FF92	FF93FF95
(840)	FF95FF95	FF93FF98	FF9CFF93	FF96FF9C	FF96FF96	FF9EFFAE	FFB4FFA2	FF97FF93	FF96FF94	FF94FF97
(880)	FF9CFF93	FF96FF9C	FF96FF96	FF9DFFAF	FFB5FFA1	FF96FF95	FF97FF95	FF9EFF95	FF92FF93	FF93FF9C
(920)	FF9CFF94	FF95FF97	FFA5FFA8	FF94FF94	FF94FF94	FF94FF94	FF94FF94	FF94FF94	FF94FF94	FF94FF94
(960)	FF94FF94	FF94FF97	FF97FF97	FF94FF9A	FF9DFF94	FF9AFF9D	FF97FF97	FFA2FFB6	FFB6FFAE	FF9AFF94
(1000)	FF97FF97	FF94FF9A	FF9DFF94	FF9AFF9D	FF97FF97	FFA5FFB6	FFB9FFAB	FF97FF97	FF97FF97	FFA5FF9D
(1040)	FF94FF94	FF94FFA0	FFA2FF97	FF97FF97	FFA3FFA4	FFA4FFA3	FFA5FFA4	FFA3FFA3	FFA4FFA3	FFA3FFA3
(1080)	FFA3FFA3	FFA3FFA4	FFA3FFA2	FFA2FFA3	FFA3FFA2	FFA1FFA2	FFA3FFA4	FFA3FFA2	FFA2FFA1	FFA2FFA3
(1120)	FFA3FFA3	FFAAFFA4	FFA3FFA3	FFA3FFA4	FFA3FFA4	FFA4FFA4	FFA3FFA3	FFA3FFA3	FFA2FFA2	FFA9FFA4
(1160)	FFA2FFA3	FFA3FFA3	FFA3FFA2	FFA2FFA3	FFA5FFA3	FFA3FFA3	FFA5FFA5	FFA5FFA5	FFA5FFA5	FFA5FFA5
(1200)	FFA5FFA5	FFA2FFA2	FFA2FFA2	FFA5FFA5	FFA5FFA2	FFA2FFA2	FFA2FFA2	FFA2FFA2	FFA2FFA5	FFA5FFA2
(1240)	FFA2FFA2	FFA2FFA2	FFA2FFA5	FFAEFFA8	FFA5FFA2	FFA2FFA5	FFA5FFA8	FFA5FFA5	FFA2FFA2	FFA5FFA2
(1280)	FFA2FFA2	FFABFFA8	FFA2FFA5	FFA5FFA2	FFA5FFA2	FFA2FFA5	FFA5FFA5	FFA5FFA2	FF9AFF9B	FF99FF99
(1320)	FFA0FF9F	FF9EFF9F	FF9EFF9D	FF9DFF9D	FF9EFF9D	FFA0FFA4	FF9EFF9D	FFA0FF9B	FF97FF99	FF98FF99
(1360)	FF99FF9C	FF9EFF9A	FF99FF98	FF99FF99	FF99FF9C	FFABFF9C	FF9AFF99	FF98FF9D	FF98FF9C	FF9EFF9C
(1400)	FF99FF99	FF9CFF99	FF99FF9D	FFAAFF9C	FF98FF9B	FF9CFF99	FF9BFF9A	FF98FF9B	FF9FFF9A	FF99FF98
(1440)	FF9DFF9D	FF9DFF9A	FFA5FFA2	FFA0FFA2	FFA0FF9D	FF9DFF9D	FFA0FF9D	FFA2FFA5	FFA0FF9D	FFA2FF9D
(1480)	FF97FF9A	FF9AFF9A	FF9AFF9D	FFA0FF9D	FF9AFF9A	FF9AFF9A	FF9AFFA8	FFAEFFA2	FF9DFF9A	FF9AFFA0
(1520)	FF9AFF9D	FFA2FF9D	FF9AFF9A	FFA0FF9D	FF9AFFA8	FFAEFFA0	FF9AFFA0	FF9DFF9A	FF9DFF9A	FF9AFFA0
(1560)	FFA2FF9D	FF9DFF9A	FF99FF9D	FF97FF97	FF9CFF9D	FF9EFF9D	FF9BFF9C	FF9BFF9A	FF9CFF9B	FF9DFF9F
(1600)	FF9EFF9C	FF9EFF9A	FF97FF97	FF96FF97	FF9AFF9C	FF9CFF9A	FF97FF96	FF9AFF99	FF9EFFB2	FFA8FF99
(1640)	FF98FF97	FF96FF9A	FF9AFF9C	FF9CFF9B	FF99FF96	FF99FF97	FFA0FFB1	FFA6FF9B	FF98FF9B	FF9BFF99
(1680)	FF97FF99	FF97FF9B	FF9FFF9B	FF9AFF99	FF9DFFA0	FF97FF97	FFA0FF9D	FFA0FF9D	FF9DFF9D	FF9DFF9A
(1720)	FF9DFF9D	FFA0FFA0	FFA0FF9D	FFA0FF9D	FF9AFF97	FF97FF9A	FF9DFF9D	FFA0FF9D	FF97FF97	FF9DFF9A
(1760)	FFA5FFB6	FFB1FF9D	FF9AFF97	FF97FF9D	FFA0FFA0	FFA0FF9D	FF9AFF97	FF9AFF97	FFA5FFB6	FFAEFF9D
(1800)	FF9AFF9D	FFA0FF9D	FF97FF9A	FF97FFA2	FFA5FFA0	FF9DFF9A	FF9BFF9D	FF95FF95	FF96FF96	FF96FF95
(1840)	FF93FF94	FF94FF94	FF95FF94	FF96FF97	FF95FF94	FF96FF96	FF97FF96	FF95FF99	FF9CFF95	FF97FF9E
(1880)	FF98FF98	FFA1FFAF	FFB5FFA5	FF9AFF95	FF98FF96	FF95FF9A	FF9EFF95	FF98FF9E	FF99FF99	FFA2FFB0
(1920)	FFB5FFA4	FF99FF97	FF98FF99	FF9FFF98	FF95FF96	FF96FF9E	FF9EFF98	FF98FF98	FFA0FFA5	FF97FF97

(2040)	FF9AFF9A	FFA8FFB6	FFB9FFAE	FF9DFF97	FF9AFF9A	FFA5FFA0	FF97FF97	FF97FFA2	FFA5FF9D	FF9AFF9A

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	573	573	2080	0	4	0	0	4	4

10681 Day 89 3:30

FILE 3 RECORD 1 LENGTH 2080BYTES

(0)	000001E4	144029B9	000B003B	00330046	00000000	00000000	00000000	00000000	FFBBFFB8	FFB9FFBE
(40)	FFC1FFC0	FFC3FFBD	FFD8FFBD	FFBBFFBE	FFC6FFD6	FFBEFFBB	FFBEFFBE	FFBEFFB9	FFBAFFBA	FFBDFFBD
(80)	FFBBFFBD	FFBDFFBE	FFBCFFB9	FFB9FFB9	FFBBFFBA	FFB8FFB7	FFB9FFB9	FFB8FFB9	FFBCFFBB	FFB9FFBA
(120)	FFB9FFB9	FFBAFFBA	FFBAFFBC	FFB9FFBB	FFBAFFB8	FFB8FFBA	FFBCFFBB	FFBBFFBB	FFBBFFBC	FFB8FFB9
(160)	FFBCFFB9	FFBCFFC5	FFC5FFC2	FFC7FFC7	FFE4FFC5	FFBFFFBF	FFDBFFE7	FFBFFFBC	FFBFFFBF	FFC2FFB9
(200)	FFBCFFBC	FFBFFFBF	FFBCFFBF	FFBFFFBF	FFBFFFB9	FFB9FFB9	FFBCFFBC	FFB9FFB9	FFB9FFBC	FFB9FFB9
(240)	FFBFFFBC	FFB9FFBC	FFB9FFB9	FFBCFFBC	FFBCFFBF	FFB9FFBC	FFBCFFB9	FFB9FFBC	FFBFFFBF	FFBFFFBC
(280)	FFBCFFBF	FFB9FFB9	FF99FF9B	FF9BFFA1	FFA3FFA0	FFA6FFA7	0007FFA4	FF9BFFA4	FFD2FFFF	FFA6FF9E
(320)	FFA6FFB6	FFBDFFA1	FF9DFF9F	FFA4FFA1	FF9CFF9E	FF99FF98	FF98FF97	FF97FF99	FF9BFF97	FF97FF97
(360)	FF98FF9D	FF96FF9B	FFA2FF9C	FFA7FF9D	FF97FF99	FF9BFF9B	FF9BFF9A	FF98FF99	FF99FF98	FF96FF9B
(400)	FFA3FF9A	FF98FF98	FF9AFF9C	FF99FF97	FF9DFF9D	FFA0FFAE	FFAEFFA2	FFAEFFD6	0027FFBC	FFA2FFA8
(440)	001F0030	FFB9FFA0	FFABFFC7	FFCAFFA5	FFA0FFA0	FFA8FFA5	FF9DFFA0	FF9AFF9A	FF9AFF97	FF97FF9A
(480)	FF9DFF97	FF97FF97	FF9AFFA0	FF97FFA0	FFA5FF9D	FFB1FFA5	FF97FF9A	FF9DFF9D	FF9DFF9D	FF9AFF9A
(520)	FF9AFF9A	FF97FFA0	FFA5FF9D	FF9AFF9A	FF9DFFA0	FF9AFF97	FF94FF99	FF9BFF9D	FF9CFF9A	FF9EFF99
(560)	0014FFD5	FF94FF9C	FFAF001D	FFCCFF99	FF9AFFA3	FFA8FFA0	FF9BFF99	FF9AFF99	FF98FF97	FF95FF94
(600)	FF94FF95	FF98FF98	FF98FF98	FF94FF93	FF96FFB6	FFA4FFAA	FFA0FF97	FFCAFFBC	FF98FF96	FF97FF98
(640)	FF98FF97	FF95FF95	FF94FF95	FF9AFFAA	FFA1FF98	FF96FF96	FF99FF99	FF95FF96	FF97FFA0	FFA2FFA5
(680)	FFA2FF9D	FFA2FFAB	00330002	FF9DFF9D	FFE70027	000EFF9A	FF9DFFAE	FFB1FFA2	FFA0FF9A	FF9DFF9A
(720)	FF9AFF97	FF97FF94	FF94FF97	FF9AFF9A	FF9AFF9A	FF97FF94	FF97FFC5	FFB1FFAE	FFA8FF97	FFEFFFD3
(760)	FF9DFF97	FF9AFF9A	FF9DFF9A	FF97FF97	FF94FF97	FFA2FFAE	FFABFF9A	FF97FF97	FFA0FF9D	FF97FF97
(800)	FF94FF9E	FF9EFF9A	FF9AFF9D	FF9FFF96	FFB8FFAD	FF99FF97	FF98FFBF	FFA8FF94	FF94FF95	FF95FF95
(840)	FF96FF95	FF95FF94	FF93FF95	FF96FF96	FF96FF97	FF9BFF95	FF96FF9D	FF98FF97	FF9EFFB2	FFB4FFA2
(880)	FF98FF94	FFACFFA5	FF97FF98	FF9BFF95	FF97FF9C	FF97FF98	FF9DFFAC	FFB2FFA1	FF98FF95	FF97FF97
(920)	FF9FFF98	FF95FF96	FF97FFA5	FFA5FF9D	FF9DFFA5	FFABFF9A	FFCAFFBF	FFA0FF9D	FFA0FFD0	FFC5FF94
(960)	FF94FF97	FF97FF97	FF97FF97	FF97FF94	FF94FF97	FF97FF97	FF97FF9A	FF9DFF97	FF9AFF9D	FF9AFF9A
(1000)	FFA2FFB9	FFB6FFAB	FF9DFF97	FFBCFFAE	FF97FF9A	FF9DFF97	FF9DFF9D	FF97FF9A	FFA2FFB1	FFB4FFA8
(1040)	FF9AFF97	FF97FF97	FFA5FF9D	FF97FF97	FFA6FFA7	FFAAFFAA	FFA7FFA9	FFA6FFAA	FFC0FFAA	FFA7FFA9
(1080)	FFADFFBC	FFA9FFA7	FFA7FFA7	FFA6FFA7	FFA9FFA8	FFA6FFA8	FFA7FFA6	FFA4FFA5	FFA6FFA6	FFA5FFA8
(1120)	FFA7FFA5	FFA4FFA7	FFA6FFA7	FFA5FFA6	FFAAFFAB	FFA6FFA7	FFA7FFA7	FFA8FFA8	FFA7FFA4	FFA7FFA6
(1160)	FFA9FFA7	FFA6FFA7	FFABFFAA	FFA6FFA6	FFA6FFA6	FFA7FFA6	FFA8FFA8	FFABFFAB	FFA8FFA8	FFA5FFB4
(1200)	FFCAFFAE	FFA8FFAB	FFC2FFCA	FFA8FFA8	FFA8FFA8	FFA8FFA8	FFABFFA8	FFA8FFA8	FFA8FFA8	FFA5FFA5
(1240)	FFA5FFA8	FFA5FFAB	FFA8FFA5	FFA5FFA8	FFA8FFA8	FFA5FFA8	FFAEFFAE	FFA8FFA8	FFA8FFA8	FFABFFAB
(1280)	FFA8FFA5	FFA8FFA8	FFABFFA8	FFA8FFA8	FFAEFFAB	FFA8FFA8	FFA8FFA5	FFA8FFA8	FF9AFF9D	FFA4FFA5
(1320)	FF9BFF9F	FF9CFFAD	FFF7FFA1	FF9AFFA4	FFC9FFF2	FFA4FFA0	FFA2FFAE	FFAAFF9F	FFA3FFA3	FF9FFFA5
(1360)	FFA0FF9E	FF9BFF9A	FF9BFF9E	FF9EFFA0	FFA0FF9B	FF9AFF9D	FF9CFFA0	FF9AFF9D	FFA6FFA7	FFA9FF9C
(1400)	FF9BFF9C	FFA1FF9E	FFA0FF99	FFA0FF9B	FFA4FF9C	FF9CFF9F	FFA8FFA4	FF99FF9A	FF9BFF9D	FF9EFF9E
(1440)	FF9AFFA2	FFA8FFAB	FF9DFFA2	FF9DFFE1	001FFFB1	FFA0FFA5	0022002D	FFAEFFA2	FFA5FFBC	FFB6FFA0
(1480)	FFA8FFA8	FFA0FFA8	FFA2FFA0	FF9DFF9A	FF9DFFA0	FFA2FFA2	FFA5FF9D	FF9AFFA0	FFA0FFA2	FF9DFFA2
(1520)	FFA8FFAE	FFB1FFA0	FF9DFFA5	FFA5FFA0	FFA2FF9A	FFA2FF9D	FFABFFA0	FF9DFFA2	FFABFFA8	FF9AFF9D
(1560)	FF9DFFA0	FFA0FFA0	FF9AFF9E	FFA2FFA2	FF9CFF9D	FF9EFF9E	FFEBFFAD	FF99FFA2	FFACFFFB	FFB7FFA0
(1600)	FF9EFFA2	FFA0FFA0	FFA3FFA0	FF9DFFA1	FF9FFF9D	FF9AFF97	FF98FF9B	FF9EFF9E	FF9EFF9E	FF99FF99
(1640)	FF99FFA9	FFA0FFAC	FFA4FFA0	FFBAFFA8	FF9BFF9B	FF9EFF9D	FF9EFF9B	FF9BFF98	FF9CFF98	FFA0FFAD
(1680)	FFA6FFA2	FF9BFF99	FF9CFFA2	FF9AFF9E	FF9DFFA8	FFA5FFA5	FFA0FF9D	FFA2FFAE	FFFEFFC7	FFA5FFA8
(1720)	FFDB0002	FFDEFFA2	FFA0FFA8	FFA8FFA2	FFA5FFA2	FFA0FFA2	FFA0FFA0	FF9DFF97	FF9AFF9D	FFA2FFA2
(1760)	FFA2FFA0	FF9AFF9A	FF9AFFB1	FFA2FFAE	FFA8FFA2	FFD0FFB6	FF9DFF9D	FFA0FFA0	FFA2FFA0	FFA0FF9A
(1800)	FFA0FF9A	FFA2FFB1	FFABFFA5	FF9DFF9A	FFA0FFA8	FF9AFFA0	FF99FFA1	FFA3FFA0	FF9DFFA0	FF9DFF99
(1840)	FFA6FF9D	FFA0FF9B	FF98FFAA	FF9FFF98	FF96FF97	FF95FF96	FF9BFF98	FF96FF9A	FF97FF98	FF9AFF99
(1880)	FF9AFF9D	FFA0FF99	FF9AFFA1	FF9BFF9B	FF9FFFAD	FFB0FFA4	FF9CFF9B	FFA4FF9E	FF9BFF9C	FFA0FF96
(1920)	FF99FF9F	FF9CFF9A	FFA1FFAB	FFB0FFA6	FF9DFF9C	FF9AFF9A	FFA0FF9D	FF99FF9B	FF9AFFA8	FFA8FFA2
(1960)	FFA0FFA5	FFA5FF9A	FFABFFA2	FFABFFA5	FF9DFFB1	FFABFF9A	FF97FF97	FF97FF97	FF9DFF9A	FF97FF9D
(2000)	FF9AFF9A	FF9AFF9A	FF9AFF9D	FFA2FF9D	FFA0FFA2	FF9DFF9D	FFA5FFB1	FFB1FFA8	FFA0FF9D	FFABFFA2
(2040)	FF9DFFA2	FFA2FF97	FF9DFFA0	FF9DFF9A	FFA5FFB1	FFB1FFAB	FFA0FFA0	FF9DFF9D	FFA5FFA2	FF9AFF9D

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
3	736	736	2080	0	7	0	0	11	13

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(40)	0073008A	0027FFC4	FFD90039	FFE2FFBA	FFACFFBC	FFDC0046	001AFFE0	FFB4FFC4	FFC1FFAF	FFA7FFAC
(80)	FFA9FFC8	00C600C3	0004FFC4	FFB4FFCB	FFE60022	005B0072	00590045	00280026	FFE1FFDE	FFFA0049
(120)	005E0050	0002FFDE	FFCFFFFA	002F0015	FFEEFFC5	00040000	FFEDFFE3	001C000D	FFCFFFB5	FFB1FFBA
(160)	FFE70033	00330063	008B009F	004CFFEA	000E0049	000BFFCD	FFB1FFBF	0019004C	003BFFFE	FFB9FFC7
(200)	FFC5FFB9	FFA8FFAE	FFAE0024	00EC00EA	0060FFC7	FFB6FFD6	FFEC0058	00630077	006C0047	00410035
(240)	0000FFF2	000B005A	007A007A	000BFFEC	FFD0001C	0038001F	0019FFDB	00100008	FFFBFFE7	003B0035
(280)	FFDEFFB9	FFB4FFC5	FF9CFFAC	FFB5FFCC	FFD8FFE7	FFABFF97	FF9CFFBA	FF99FF94	FF92FF95	FF9FFFBD
(320)	FFA5FF98	FF93FF95	FF94FF92	FF94FF9F	FF95FF9D	00280023	FFA2FF94	FF96FF9A	FF9BFFB0	FFCEFFDE
(360)	FFCFFFC1	FFB4FFB5	FF99FF99	FFA0FFC3	FFCCFFC7	FFA4FF9E	FF9AFF9E	FFADFFA7	FF9DFF93	FF9DFF9B
(400)	FF9CFF9A	FFAFFFA6	FF9CFF98	FF96FF95	FF9DFFB6	FFB9FFD3	FFE7FFF8	FFB9FF9A	FFA8FFC2	FFA5FF97
(440)	FF94FF97	FFB1FFBF	FFB1FF9D	FF94FF97	FF94FF94	FF9AFFA0	FF9AFFC5	0049004C	FFCAFF97	FF97FF9A
(480)	FF9DFFCA	FFD3FFE1	FFDBFFC5	FFC2FFBC	FFA2FF9D	FFA8FFCA	FFDBFFDB	FFA8FFA2	FF9DFFA5	FFAEFFAB
(520)	FFA8FF94	FFA0FF9D	FF9DFF9D	FFB9FFB6	FF9DFF9A	FF97FF9A	FF97FF97	FF97FF97	FF98FF9A	FF97FF97
(560)	FF95FF94	FF92FF94	FF95FF9A	FF99FF9B	FF98FF93	FF93FF93	FF94FF98	FFA6FF9F	FF96FF94	FF9FFFA2
(600)	FF95FF99	FF98FF98	FF98FF95	FF96FF96	FF96FF99	FFA6FF9F	FF95FF94	FF97FF99	FF96FF96	FF95FF99
(640)	FF9AFF94	FF96FF97	FF93FF93	FF99FF95	FF97FF96	FF98FF99	FF94FF93	FF94FF98	FF97FF97	FF97FF97
(680)	FF9AFF9A	FF97FF97	FF97FF94	FF94FF94	FF97FFA0	FFA0FFA0	FF9AFF94	FF94FF94	FF94FF9D	FFA8FFA5
(720)	FF97FF94	FFA5FFA8	FF97FF9A	FF9DFF9D	FF9DFF97	FF97FF97	FF97FFA0	FFA8FFA5	FF97FF97	FF9AFF9D
(760)	FF97FF97	FF97FF9D	FFA0FF97	FF97FF9A	FF94FF94	FFA0FF9A	FF97FF97	FF9DFF9D	FF97FF94	FF94FF9D
(800)	FF91FF93	FF93FF92	FF94FF93	FF91FF93	FF94FF95	FF94FF98	FF99FF9D	FF95FF96	FF9EFF99	FF97FF9B
(840)	FFA8FFAD	FF9FFF97	FF94FF96	FF96FF97	FF9AFF9E	FF93FF96	FF9DFF9A	FF98FF9C	FFA8FFAF	FFA1FF98
(880)	FF94FF96	FF9DFF98	FF95FF95	FF95FF9D	FF9EFF96	FF98FF98	FF94FF95	FF9EFF98	FF98FF98	FF9DFF97
(920)	FF94FF93	FF94FF9C	FF91FF94	FF94FF94	FF94FF94	FF91FF94	FF97FF97	FF94FF9A	FF9AFF9D	FF97FF9A
(960)	FFA0FF9A	FF97FFA0	FFAEFFAE	FFA8FF9A	FF94FF97	FF97FF97	FF9DFFA0	FF94FF9D	FFA0FF9A	FF9AFFA0
(1000)	FFAEFFB1	FFA8FF9A	FF94FF97	FFA2FFA0	FF97FF97	FF97FFA2	FFA2FF97	FF9AFF9A	FF97FF97	FFA5FFA0
(1040)	FF9AFF9A	FFA2FF9D	FF97FF94	FF94FFA2	FFADFFC2	FFD2FFE9	FFF70018	FFD9FFAA	FFB6FFF5	FFB9FFA7
(1080)	FFA4FFA8	FFB9FFFE	FFE2FFB9	FFA3FFA4	FFA5FFA3	FFA3FFA6	FFA5FFB5	00750060	FFD8FFAC	FFAAFFB0
(1120)	FFB6FFE0	0013002A	001A0006	FFF3FFF7	FFB9FFAD	FFBB0009	00270018	FFDBFFB9	FFB2FFCF	FFF6FFDC
(1160)	FFC2FFB7	FFEBFFE6	FFCFFFC6	FFD3FFD6	FFB5FFA9	FFA7FFAE	FFAEFFD3	FFD6FFF2	00080027	FFF5FFB6
(1200)	FFD30002	FFD3FFAE	FFA5FFA8	FFDB0002	FFF8FFCA	FFA5FFA5	FFA5FFA5	FFA2FFAB	FFA8FFF2	00950092
(1240)	0019FFAE	FFAEFFB1	FFB90008	001F0030	00240008	00020005	FFD0FFB1	FFCA0022	0038003B	FFE4FFC5
(1280)	FFB4FFEC	FFFBFFE7	FFD0FFC5	FFF8FFF2	FFDBFFCA	FFE7FFE7	FFBFFFAB	FFABFFB9	FF9DFFA2	FFA2FFA8
(1320)	FFACFFB8	FFA2FF9D	FF9CFFA9	FF9CFF9B	FF98FF9B	FFA1FFAD	FFA1FF99	FF97FF98	FF98FF98	FF9BFFA6
(1360)	FF9CFF9E	FFFBFFF4	FFA1FF99	FF9EFF9F	FF99FFA6	FFBAFFC9	FFC1FFB7	FFACFFB2	FF9CFF99	FF9EFFB6
(1400)	FFC2FFB9	FFA2FFA2	FF9EFF9F	FFA7FFA2	FF9CFF9A	FFA2FF9F	FF9FFF9F	FFA2FFA4	FF9EFF9C	FF9BFF9A
(1440)	FF9DFFA5	FFA2FFAB	FFB4FFBF	FFA8FF9D	FFA0FFAE	FFA0FF9D	FF9AFF9D	FFA8FFB1	FFA5FF9A	FF97FF9A
(1480)	FF9AFF9A	FFA0FFA8	FFA2FFB9	00100013	FFB6FF9A	FFA0FFA2	FF9AFFB4	FFC2FFCA	FFC7FFB6	FFB4FFB9
(1520)	FFA2FF9D	FFA2FFBF	FFCAFFCA	FFA2FFA2	FFA5FFA5	FFA8FFA2	FFA0FF9A	FFA5FFA2	FFA0FFA0	FFA8FFA8
(1560)	FFA0FF9D	FF9DFFA2	FF9BFF9B	FF9DFF9B	FF9BFF9C	FF9EFF9B	FF99FF97	FF98FF9A	FF97FF9E	FF9DFF9E
(1600)	FF9CFF98	FF96FF96	FF98FF9B	FFAAFFA6	FF9CFF98	FF9BFF9D	FF99FF9F	FF9DFF9C	FF9BFF98	FF98FF97
(1640)	FF97FF9B	FFAAFFA4	FF99FF99	FF9EFF9C	FF99FF98	FF97FF9F	FF9EFF98	FF9BFF9E	FF99FF98	FF9FFF99
(1680)	FF9CFF9A	FF9CFF9E	FF99FF98	FF97FF9C	FF9DFF9D	FF9DFF9D	FF9DFF9D	FFA0FF9D	FF9AFF97	FF9AFF9D
(1720)	FF97FFA0	FFA2FFA2	FFA0FF9A	FF97FF97	FF9AFFA0	FFAEFFAB	FF9DFF9A	FF9DFFA0	FF9AFFA2	FFA2FFA0
(1760)	FF9DFF9A	FF9AFF97	FF97FFA2	FFABFFA8	FF9DFF9D	FFA0FFA2	FF9AFF9A	FF97FFA5	FFA5FF9A	FF9DFFA0
(1800)	FF9AFF9A	FFA5FFA0	FF9DFF9A	FFA0FFA2	FF9DFF9A	FF97FFA2	FF93FF94	FF94FF94	FF94FF94	FF94FF94
(1840)	FF96FF98	FF99FF9B	FF9CFFA0	FF96FF98	FFA1FF9C	FF9AFF9E	FFA7FFAC	FFA5FF9C	FF96FF97	FF97FF9A
(1880)	FF9CFFA0	FF95FF98	FFA0FF9C	FF9AFF9D	FFA9FFAE	FFA5FF9B	FF96FF9A	FFA1FF9B	FF99FF97	FF97FFA0
(1920)	FFA3FF99	FF9CFF9E	FF9AFF9A	FFA5FF9D	FF9CFF9D	FFA0FF9D	FF98FF97	FF97FF9F	FF94FF94	FF94FF94
(1960)	FF94FF94	FF94FF94	FF97FF9A	FF9AFF9D	FFA0FFA2	FF9AFFA0	FFA2FF9D	FF9AFFA2	FFABFFAE	FFA8FFA2
(2000)	FF97FF97	FF97FF9A	FF9DFFA2	FF97FF9D	FFA2FF9D	FF9AFFA0	FFAEFFAE	FFABFFA0	FF97FF9D	FFA5FFA2
(2040)	FF9AFF97	FF97FFA8	FFA8FF9A	FF9DFFA0	FF9AFF9A	FFABFFA8	FFA0FF9D	FFA5FFA5	FF9AFF97	FF97FFA5

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
4	409	409	2080	0	1	0	0	1	1

19640 DMJ48 2/17

FILE 5 RECORD 1 LENGTH 2080BYTES

(0)	000001BD	89802990	00130000	000C029F	00000000	00000000	00000000	00000000	FFA4FFA6	FFA5FFA6
(40)	FFA5FFA4	FFA5FFA4	FFA4FFA4	FFA5FFA4	FFA5FFA5	FFA4FFA6	FFA5FFA4	FFA6FFA4	FFA4FFA3
(80)	FFADFFA9	FFA3FFA5	FFA5FFA4	FFA5FFA8	FFA6FFA5	FFA6FFA6	FFA4FFA5	FFA6FFA4	FFAEFFAA	FFA6FFA4
(120)	FFA4FFA6	FFA5FFA4	FFA4FFA4	FFA6FFA6	FFA6FFA3	FFA5FFA7	FFA7FFA5	FFA4FFA6	FFA7FFA7	FFA5FFA4
(160)	FFA5FFA8	FFA8FFA8	FFA5FFA5	FFA5FFA5	FFA5FFA5	FFA5FFA5	FFA8FFA8	FFA8FFA8	FFA8FFA5	FFA5FFA8
(200)	FFA8FFA5	FFA5FFA5	FFB4FFAE	FFA5FFA8	FFA8FFA5	FFA8FFA8	FFA8FFA8	FFA8FFA8	FFA5FFA8	FFA8FFA5
(240)	FFB4FFB1	FFA8FFA5	FFA5FFA8	FFA5FFA5	FFA5FFA8	FFA8FFA8	FFA8FFA5	FFA8FFA8	FFA8FFA8	FFA5FFA8

(360)	FF92FF93	FF93FF95	FFA3FF95	FF92FF93	FF93FF95	FF93FF93	FF92FF93	FF93FF93	FF94FF92	FF94FF92
(400)	FF95FF93	FF93FF93	FF93FF95	FF93FF92	FF97FF97	FF97FF97	FF97FF97	FF97FF97	FF97FF97	FF94FF94
(440)	FF94FF94	FF94FF94	FF97FF94	FF94FF94	FF94FF94	FF94FF9D	FFA5FF9D	FF94FF94	FF94FF94	FF94FF94
(480)	FF97FF94	FF94FF94	FF94FF94	FF94FF9D	FFA5FF9A	FF94FF94	FF97FF97	FF94FF94	FF94FF94	FF94FF94
(520)	FF97FF94	FF97FF94	FF97FF94	FF94FF94	FF97FF9A	FF94FF94	FF96FF95	FF97FF97	FF95FF96	FF96FF95
(560)	FF96FF96	FF93FF93	FF93FF92	FF95FF96	FF95FF93	FF93FF92	FF93FF94	FF9BFFAE	FFA1FF96	FF93FF93
(600)	FF92FF93	FF94FF95	FF96FF94	FF92FF93	FF93FF94	FF9BFFAD	FFA0FF96	FF94FF93	FF97FF96	FF92FF93
(640)	FF93FF93	FF94FF94	FF95FF93	FF94FF94	FF99FF93	FF94FF95	FF97FF96	FF93FF93	FF97FF97	FF97FF9A
(680)	FF97FF97	FF97FF97	FF97FF97	FF94FF94	FF94FF94	FF97FF9A	FF97FF97	FF94FF94	FF94FF97	FFA2FFB1
(720)	FFABFF97	FF94FF94	FF94FF94	FF97FF97	FF97FF97	FF94FF94	FF94FF97	FFA2FFB1	FFABFF97	FF97FF94
(760)	FF9DFF9D	FF94FF94	FF94FF97	FF97FF97	FF97FF94	FF97FF97	FF9DFF97	FF97FF97	FFA0FF9D	FF94FF94
(800)	FF91FF93	FF92FF92	FF92FF92	FF93FF92	FF92FF94	FF96FF93	FF93FF96	FF99FF93	FF95FF98	FF95FF97
(840)	FF9EFFB0	FFB6FFA3	FF96FF94	FF95FF95	FF93FF95	FF98FF93	FF95FF99	FF95FF96	FF9FFFB1	FFB5FFA2
(880)	FF96FF94	FF97FF96	FF9EFF97	FF93FF92	FF93FF95	FF95FF96	FF98FF94	FF95FF95	FF9FFF95	FF96FF96
(920)	FF9FFF97	FF92FF93	FF91FF94	FF94FF94	FF94FF94	FF94FF94	FF94FF97	FF97FF97	FF94FF9A	FF9AFF97
(960)	FF9AFF9A	FF97FF9A	FFA2FFB6	FFB9FFAE	FF9AFF97	FF97FF97	FF94FF97	FF9AFF94	FF97FF9D	FF97FF97
(1000)	FFA5FFB9	FFB9FFAE	FF9AFF97	FF97FF97	FFA5FFA0	FF94FF94	FF94FF97	FF97FF9A	FF9AFF97	FF97FF97
(1040)	FFA5FF9A	FF97FF97	FFA5FF9D	FF94FF94	FFA1FFA1	FFA1FFA0	FFA1FFA1	FFA1FFA1	FFA1FFA1	FFA1FFA1
(1080)	FFA1FFA0	FFA0FFA3	FFA3FFA1	FF9FFFA1	FFA0FFA0	FFA1FF9F	FFA7FFA2	FFA0FFA1	FFA1FFA1	FFA0FFA4
(1120)	FFA3FFA1	FFA1FFA1	FFA0FFA0	FFA1FFA1	FFA7FFA3	FFA0FFA1	FFA1FFA1	FFA2FFA2	FFA1FFA1	FFA2FFA1
(1160)	FFA1FF9F	FFA1FFA1	FFA4FFA2	FFA1FFA1	FFA0FFA1	FFA1FFA1	FFA2FFA2	FFA2FFA2	FFA2FFA2	FFA2FFA2
(1200)	FFA2FFA2	FFA2FFA2	FFA2FFA2	FFA2FFA5	FFA5FFA2	FFA0FFA2	FFA2FFA2	FFA2FFA0	FFAEFFA8	FFA2FFA2
(1240)	FFA2FFA2	FFA0FFA8	FFA5FFA2	FFA2FFA2	FFA2FFA2	FFA2FFA2	FFAEFFA8	FFA2FFA2	FFA2FFA2	FFA2FFA2
(1280)	FFA2FFA2	FFA2FFA2	FFA2FFA0	FFA2FFA2	FFA5FFA2	FFA2FFA2	FFA2FFA2	FFA2FFA2	FF9CFF9B	FF9DFF9C
(1320)	FF9BFF9C	FF9CFF9C	FF9EFF9B	FF98FF99	FF98FF96	FF99FF9C	FF9FFF99	FF98FF98	FF99FF98	FF98FF9D
(1360)	FFACFF9B	FF97FF97	FF98FF98	FF98FF9C	FF9EFF98	FF97FF98	FF98FF98	FF99FF9C	FFABFF9B	FF98FF99
(1400)	FF9AFF99	FF9AFF99	FF99FF98	FF99FF99	FF9AFF98	FF98FF99	FF9DFF99	FF99FF9B	FF9BFF9A	FF98FF98
(1440)	FF9DFF9D	FF9DFF9D	FF9DFF9D	FF9DFF9D	FFA0FF9D	FF9AFF9A	FF9AFF97	FF9AFFA0	FFA2FF9D	FF9AFF9A
(1480)	FF9AFF9A	FF9AFFA5	FFAEFFA0	FF97FF97	FF9AFF9A	FF9AFF9D	FFA0FF9A	FF97FF9A	FF9AFF9A	FF9AFFA5
(1520)	FFAEFFA2	FF9AFF9A	FF9DFF9D	FF9DFF9D	FF9AFF9A	FF9AFF9D	FF9DFF9A	FF9AFF9D	FFA0FF9A	FF9AFF9D
(1560)	FF9DFF9D	FF9AFF9A	FF99FF9B	FF9CFF9C	FF99FF9A	FF9BFF9A	FF9BFF99	FF98FF97	FF96FF96	FF9BFF9D
(1600)	FF9CFF99	FF96FF96	FF96FF98	FF9EFFB2	FFA6FF99	FF96FF96	FF96FF97	FF9AFF9B	FF9CFF9B	FF96FF95
(1640)	FF95FF99	FF9EFFB1	FFA5FF99	FF99FF98	FF9BFF9A	FF99FF97	FF97FF97	FF98FF9A	FF9BFF98	FF97FF99
(1680)	FF9EFF98	FF9BFF9A	FF9CFF99	FF96FF97	FF9AFF9D	FF9DFFA0	FF9AFF9A	FF9DFF9D	FF9DFF9A	FF9AFF9A
(1720)	FF97FF97	FF9DFFA2	FFA0FF9D	FF97FF9A	FF97FF9A	FFA8FFB9	FFB1FF9A	FF97FF97	FF9AFF97	FF9DFFA0
(1760)	FFA2FFA0	FF97FF97	FF97FF9D	FFA5FFB6	FFAEFF9A	FF9DFF9D	FFA0FFA0	FF9AFF97	FF97FF9A	FF9AFF9D
(1800)	FFA0FF9A	FF9AFF9D	FFA5FF9D	FF9DFF9D	FFA0FF9D	FF97FF97	FF92FF94	FF94FF95	FF93FF93	FF93FF94
(1840)	FF96FF98	FF9CFF99	FF98FF9B	FFA0FF96	FF99FFA0	FF9AFF9C	FFA2FFB0	FFB7FFA7	FF9CFF97	FF9BFF98
(1880)	FF99FF9B	FF9EFF96	FF9AFFA0	FF9AFF9B	FFA2FFB2	FFB6FFA5	FF9CFF99	FF9BFF9B	FFA3FF9C	FF98FF98
(1920)	FF97FF9A	FF99FF9C	FF9FFF9A	FF99FF9B	FFA6FF9A	FF9EFF9F	FFA2FF9B	FF96FF97	FF94FF97	FF9AFF97
(1960)	FF94FF94	FF94FF97	FF97FF9A	FF9DFF9A	FF9AFF9D	FFA2FF97	FF9DFFA2	FF9AFF9D	FFA8FFB4	FFB9FFAE
(2000)	FFA0FF9A	FF9DFF9A	FF9AFFA0	FFA0FF9A	FFA0FFA2	FF9DFF9D	FFA8FFB6	FFB9FFAE	FFA0FF9D	FF9DFF9D
(2040)	FFA8FFA2	FF9AFF9A	FF97FF9D	FF9DFFA2	FFA2FF9D	FF9AFF9D	FFABFFA0	FFA0FFA0	FFA8FFA2	FF97FF97

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
5	205	205	2080	0	0	0	0	0	0

10059 Day 69 318

FILE 6 RECORD 1 LENGTH 2080BYTES

(0)	000001CF	31C029A3	00060038	000B03E0	00000000	00000000	00000000	00000000	FFC0FFC3	FFC2FFC7
(40)	FFC1FFC8	FFC6FFC0	FFC0FFC0	FFC0FFD0	FFD0FFC6	FFC7FFC6	FFC8FFC7	FFCBFFCF	FFCDFFD1	FFCFFFD5
(80)	FFD7FFCF	FFCFFFD0	FFC8FFC7	FFCDFFC9	FFC9FFD0	FFD5FFDB	FFD5FFD1	FFD3FFD4	FFD1FFD4	FFD5FFD8
(120)	FFD0FFD4	FFD0FFD6	FFD3FFCB	FFC8FFC8	FFCEFFD2	FFCAFFD1	FFCCFFCB	FFC8FFC7	FFCFFFCE	FFCEFFCF
(160)	FFC2FFC5	FFC5FFCA	FFC5FFCA	FFC7FFC2	FFC2FFC2	FFC2FFDE	FFD9FFCA	FFC7FFC7	FFCAFFC7	FFCDFFD0
(200)	FFD0FFD6	FFD6FFD6	FFDBFFD3	FFD6FFD3	FFCDFFCA	FFD0FFCA	FFCAFFD6	FFD9FFDE	FFD9FFD3	FFD6FFD6
(240)	FFD6FFD9	FFD9FFD9	FFD6FFD9	FFD6FFD9	FFD9FFCD	FFCAFFCA	FFD3FFD3	FFD0FFD6	FFCDFFD0	FFCAFFCA
(280)	FFD3FFD0	FFD0FFD0	FFA8FFB0	FFB1FFBB	FFB2FFC5	FFCCFFAE	FFABFFA8	FFA4FFC7	FFCAFFD8	FFD4FFCF
(320)	FFD2FFC7	FFF0FFF8	FFFDFFFC	0004000E	001AFFE7	0001000B	FFF4FFEE	FFF2FFDC	FFE0FFF6	0007001F
(360)	0005FFEF	00060007	FFF4FFE5	FFE3FFF5	FFC4FFC8	FFC6FFD4	FFC8FFAE	FFA5FFA7	FFCAFFD7	FFB5FFC1
(400)	FFB7FFC5	FFB3FFAE	FFD2FFCF	FFC6FFBF	FFAEFFB4	FFB4FFC5	FFBFFFCA	FFD6FFB9	FFAEFFAB	FFA8FFD9
(440)	FFD6FFE1	FFE1FFD6	FFDEFFDB	FFF80008	00080010	001F001C	00300010	002A0030	0010000E	0002FFE1
(480)	FFEA0005	0013002D	00160000	00190016	000BFFEC	FFEC0008	FFE1FFD0	FFD0FFD9	FFD6FFB6	FFA8FFAB
(520)	FFD9FFDB	FFC2FFCA	FFBFFFCA	FFC2FFB9	FFDBFFD6	FFCAFFC5	FF98FF9B	FFA6FFAF	FFA6FFB6	FFEDFFB8
(560)	FFBFFFAA	FFA4FFAE	FFAD0003	00070000	0001FFEC	002C0039	0038002E	0041004B	00480000	0025005D

```
(   680)   FFABFFD0   0002FFC5   FFC7FFAE   FFA8FFBF   FFBC0019   001F000E   00270013   003E0052   00580055   00660069
(   720)   0071003B   006C008B   005D0060   00490033   002A003B   00520077   00580030   004C0049   00410010   0005001F
(   760)   FFE4FFB6   FFC2FFB9   FFABFFA5   FFA2FFAE   FFA5FFA5   FFA2FFBF   FFBFFFA5   FFB4FFB4   FFD6FFFE   FFECFFAB
(   800)   FF97FF9A   FF9DFF9F   FF99FF9B   FFA9FF9B   FF9FFF96   FF97FFA0   FF9BFFBE   FFBFFFBD   FFBAFFB3   FFD2FFD8
(   840)   FFD6FFD5   FFDBFFDA   FFE1FFB6   FFC8FFED   FFD8FFD5   FFD8FFCC   FFC5FFCC   FFDDFFEF   FFD7FFC0   FFD2FFD2
(   880)   FFC6FFB0   FFADFFB9   FF9EFF97   FF9EFF96   FF95FF95   FF93FF96   FF95FF95   FF96FF9B   FF96FF99   FF9EFF97
(   920)   FF9DFFAF   FF9EFF98   FF9AFF9D   FFA8FFAB   FF9DFFA0   FFB4FFA0   FFA2FF97   FF9AFFA8   FFA5FFCA   FFC7FFC2
(   960)   FFCAFFC7   FFD9FFEA   FFE4FFEC   FFEFFFEA   FFF5FFD3   FFEF0008   FFECFFEA   FFDEFFD6   FFCDFFD9   FFEAFFFB
(  1000)   FFE7FFD6   FFDEFFDB   FFD6FFBC   FFB6FFC7   FFABFF9A   FFA0FF9A   FF97FF97   FF94FF97   FF97FF97   FF97FF9D
(  1040)   FF9AFF9A   FFA0FF9A   FFA2FFB1   FFA8FF9A   FFABFFAA   FFABFFAC   FFAAFFAA   FFABFFA7   FFAAFFAD   FFA9FFAA
(  1080)   FFADFFAD   FFACFFAE   FFAFFFAD   FFAEFFB0   FFB0FFB0   FFB0FFAE   FFACFFAB   FFB2FFB0   FFAAFFAD   FFADFFAE
(  1120)   FFAAFFAD   FFB3FFB4   FFADFFAD   FFB0FFAF   FFADFFAD   FFADFFAF   FFACFFA9   FFACFFAD   FFABFFA9   FFAAFFAA
(  1160)   FFADFFAC   FFA9FFAB   FFA9FFAB   FFA9FFAB   FFACFFAE   FFACFFAA   FFAEFFAB   FFAEFFAE   FFABFFAB   FFAEFFA8
(  1200)   FFABFFAE   FFABFFAB   FFB1FFB4   FFB1FFAE   FFB1FFAE   FFB1FFB4   FFB1FFB1   FFB4FFB1   FFAEFFAE   FFB9FFB4
(  1240)   FFAEFFAE   FFB1FFB1   FFABFFAE   FFB6FFB6   FFAEFFAE   FFB4FFB1   FFAEFFAE   FFAEFFB1   FFAEFFAB   FFAEFFAE
(  1280)   FFAEFFAB   FFABFFAB   FFAEFFAE   FFABFFAE   FFABFFAE   FFA8FFAE   FFAEFFB1   FFAEFFAB   FFA8FFA4   FFA4FFAD
(  1320)   FFA3FFAD   FFC2FFA2   FFAAFFAB   FFA1FFA5   FFB4FFCA   FFC3FFC1   FFB8FFB4   FFD4FFD4   FFCFFFD3   FFDCFFD6
(  1360)   FFCAFFB4   FFF6FFEE   FFDCFFD0   FFDAFFC8   FFCBFFD3   FFEAFFFA   FFDDFFCD   FFE4FFE2   FFD3FFBD   FFC1FFD4
(  1400)   FFADFFA6   FFA7FFB0   FFAAFFA1   FFA1FFA9   FFAEFFAD   FFA0FFA8   FFA6FFA9   FFA4FFA5   FFB4FFC0   FFB5FFA6
(  1440)   FFABFFA5   FFA8FFB4   FFA5FFB4   FFCDFFA8   FFAEFFAE   FFA2FFAB   FFCAFFD3   FFD0FFC2   FFC2FFCD   FFDBFFDB
(  1480)   FFD9FFE1   FFEAFFE4   FFD6FFBF   0022000E   FFECFFE4   FFECFFD0   FFD3FFE1   FFF80002   FFEAFFD3   FFF8FFEC
(  1520)   FFE4FFC5   FFD9FFE1   FFC2FFAE   FFABFFB4   FFB1FFA2   FFA2FFAE   FFB1FFB1   FFA2FFAB   FFA8FFAB   FFA5FFAB
(  1560)   FFB6FFC5   FFB9FFA8   FFA3FFA3   FFA9FFB5   FFA9FFBB   FFE9FFB8   FFC6FFB0   FFA9FFA9   FFADFFF0   FFEDFFE9
(  1600)   FFDEFFD0   00000002   FFF9FFF3   00060002   FFF0FFD0   000C002B   00110004   0011FFFD   FFF6FFFC   0012002E
(  1640)   0008FFEA   00070003   FFF9FFD2   FFD5FFE6   FFB8FFA7   FFB2FFA8   FFA5FFA4   FFA3FFAA   FFABFFA2   FF9EFFAE
(  1680)   FFABFFA1   FFACFFAC   FFCBFFEC   FFCDFFA7   FFA5FFA5   FFAEFFBF   FFB1FFD6   0000FFC5   FFD0FFB4   FFB1FFB4
(  1720)   FFB90000   0000FFEF   FFFBFFF8   000B0013   00100010   001C0019   0005FFE4   00470052   002D0022   0024000B
(  1760)   00050010   002A003B   001FFFFB   00240013   000EFFE1   FFF2FFF8   FFCDFFB1   FFB9FFAB   FFA8FFA8   FFA5FFAE
(  1800)   FFAEFFA5   FFA0FFBF   FFBCFFA2   FFB9FFB6   FFD3FFF5   FFE7FFB4   FFA1FFA1   FFA2FFA6   FF9DFF9F   FFA9FF9D
(  1840)   FFA6FF9D   FF9CFF9C   FF9DFFB3   FFB4FFB4   FFA9FFAA   FFB9FFC1   FFB4FFB3   FFB9FFB4   FFAEFFA3   FFBBFFCB
(  1880)   FFBDFFB8   FFC2FFBA   FFB2FFB8   FFC8FFCD   FFB7FFAB   FFB8FFB5   FFB2FFA1   FFA2FFAB   FF9CFF98   FF9EFF99
(  1920)   FF97FF96   FF97FF9A   FF9EFF9B   FF99FF9C   FF9AFF9F   FFA2FF98   FFA0FFAF   FFA4FF9D   FFA2FFA2   FFA8FFAE
(  1960)   FFA2FFA5   FFAEFFA2   FFABFFA0   FF9DFF9D   FFA5FFB6   FFB6FFBC   FFB1FFBF   FFBFFFC7   FFC2FFBF   FFC5FFBC
(  2000)   FFB6FFAB   FFD6FFDE   FFC7FFC2   FFCDFFC2   FFB9FFC2   FFD3FFD3   FFBFFFAE   FFC5FFBF   FFB9FFA5   FFAEFFB1
(  2040)   FFA5FFA2   FFA5FF9A   FF97FF97   FF97FF9D   FFA2FF9D   FF9AFF9D   FF9DFFA0   FFA5FF9A   FFA2FFB4   FFA8FF9D

          FILE    INPUT     DATA RECORDS      MAX.          READ ERROR SUMMARY              INPUT RETRIES
                  RECS.       INPUT           SIZE       PERM  ZERO B   SHORT  UNDEF.   #RECS.  TOTAL#
              6     287       287             2080          0       0       0       0        0       0

   EOJ        DUMP STOPPED AFTER FILE   6          # OF PERMANENT READ ERRORS  0

  START TIME 08/25/81  16:50:49        STOP TIME 08/25/81  16:52:21
```

ESA-GEOS 2

CDAW 6 ULF POWER 0.2-2-10 HZ + B

78-071A-06C SPMS-00668

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in EBCDIC. There is one restored tape written in ASCII. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on 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
DR005841	DS005841	D049077	1 - 9	03/22/79 - 04/01/79

REQ. AGENT	REQ NUMBER	ACQ. AGENT
LSM	V0144	DMS

ESA - GEOS 2

CDAW 6 ULF POWER 0.2-2-10 Hz + B

78-071A-06C

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

D#	C#	TIME SPAN
D-49077	C-22548	3/22/79-4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: IK-0114-06C

DATE DATA RECEIVED: 1-9-92

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: EASE-CRRES

EXPERIMENT NAME:

DATA SET FULL NAME: CRRES ULF POWER 0.2-2.0 Hz for B

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 21072 - 21074

REMARKS:

CRRES

DATA RECEIPT NOTIFICATION SENT? ☐

Lisa Rivera
DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

DATE Sept 7, 1982

NSSDC ID _____

CDAW DATA SET ENTRY

DATE RECEIVED: Sept. 2, 1982 CDB: 6

DATA SENT BY: P. Roberts (for Gendrin)

MATERIAL RECIEVED: 1 mag tape
5 pg letter & documentation
2 multipage dumps

SATELLITE/NSDF NAME: ESA-GEOS 2 ULF

DATA SET NAME: EG12

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: he may have sent similar type data for CDAW 2

TIME COVERAGE: Mar 22 6-20 hours; Mar 31 12 hours - Apr 1 6 hours

TAPES TO BE RETURNED TO: _____

_____

_____

_____

COMPLETED BY: Ellen Teague

CRPE CENTRE DE RECHERCHES EN PHYSIQUE DE L'ENVIRONNEMENT TERRESTRE ET PLANETAIRE

CNET-CNRS

POUR LA PRESENTE AFFAIRE, APPELER
☎
REFERENCE A RAPPELER
5221/PAB/RPE/OPN/PR

Issy-les-Moulineaux, le August 11, 1982

Mrs. Ellen TEAGUE
CDAW-6 Workshop Coordinator
World Data Center-A
NASA/GSFC
Code 601
GREENBELT, MD. 20771
U.S.A.

Dear Mrs. Teague,

I first apologize for the delay in sending the tape containing the GEOS2/S300/ULF data for CDAW-6.

You will find enclosed the description of the tape and of the data, complemented by a listing containing an example of FORTRAN program for reading the tape and computing the data in physical values.

You will receive the tape itself within a few days.

I hope you will have no problem for processing these data; you can always contact me by phone or telex if anyone would be encountered.

Sincerely yours,

P. Robert

cc. R. Gendrin
N. Cornilleau

encl.

DESCRIPTION OF THE TAPE

Data set name : CDAW6 ~~UBF~~ ULF GEOS

Density : 1600 bpi

Number of tracks : 9

Number of files : 9 (see description hereafter)

Recording parity : ODD

Type : EBCDIC

All data are expressed in positive integer with I format

Computer used to deliver the tape : CDC - CYBER 750

NOS/BE system

DESCRIPTION OF THE FILES

1/ RECORDING TIME

March 22, 1979 from ≃ 06 H to ≃ 20 H UT

March 31, 1979 from ≃ 12 H to April 1, ≃ 06 H

2/ NATURE OF THE DATA

We deliver the power integrated in two different bandwidths (0.2 - 2 and 2-10 Hz) and for threepolarizations (B_L left-handed and B_R right-handed in the plane perpendicular to the spin axis and B_Z parallel to the spin axis).

Each power has been deduced from a power spectral analysis of the signal, integrated over 44 s.

3/ CHARACTERISTICS OF THE FILES

All the 9 files have the same structure. Each record corresponds to 44.032 s of data (32 formats of the GEOS Low Speed Telemetry).

Each one can be read by a FORTRAN instruction, as follows :

Read 1, JOUR, MILS, IPG1, IPD1, IPZ1, IPG2, IPD2, IPZ2, IDX

1 format (I4, I8, 6I4, I3)

(for more details, see listing of the total program enclosed)

JOUR : number of the day (1 = January 1, 1977)

MILS : millisecond in the day at the beginning of the record

IPG1 : left-hand power in the first frequency range (0.2 - 2 Hz), coded

IPD1 : right-hand power in the first frequency range, coded

IPZ1 : parallel power in the first frequency range, coded

IPG2, IPD2, IPZ2 : idem, for the second frequency range (2 - 10 Hz)

IDX : Intensity of the component of the DC magnetic field in the plane perpendicular to the spin axis, in gamma.

The true power of the signal (in γ^2) can be computed by the following formula :

$$B_L(\gamma^2) = 10^{(IPG1/1000. - 7)}$$

(which has been used in the enclosed program)

For visualization, it would be better to present the log of the power, i.e.

$$\log_{10}(B_L) = IPG1/1000. - 7$$

4/ RECORDING TIMES OF EACH FILE

1 - March 22, 1979, from 5.59.58.517 (5 H 59 mn 58.517 sec)
to 10.2. 53.319

2 - March 22, 1979, from 10.2. 9.287
to 14. 1. 23.941

3 - March 22, 1979, from 14. 1. 23.941
to 18. 12. 28.631

4 - March 22, 1979, from 18. 12. 23.127
to 20. 1. 44.002

5 - March 31, 1979, from 11. 59. 51.073
to 15. 59. 5.730

6 - March 31, 1979, from 15. 59. 5.730
to 19. 58. 42.411

7 - March 31, 1979, from 19. 58. 20.395
to 23. 57. 35.045

8 - March 31, 1979, from 23. 57. 35.045
to April 1, 3. 56. 49.658

9 - April 1, 1979 , from 3. 56. 49.658
to 6. 1. 51.167

5/ SIZE

Specification of logical record format (I4, I8, 6I4, I3) = 39 characters

Physical record size = logical record size = 39 characters = 39 bytes

Number of records : file 1 ≃ 327
" 2 ≃ "
" 3 ≃ "
" 4 ≃ 164
" 5 ≃ 327
" 6 ≃ "
" 7 ≃ "
" 8 ≃ "
" 9 ≃ 164

Total size ≃ 2617 x 39 = 102 kbytes

```
TAPE NO.   1              FILE NO.   1
RECORD   6                LENGTH   40
8211442982138606864414424962598251 6 32

TAPE NO.   1              FILE NO.   1
RECORD   7                LENGTH   40
8211447385437726527425724872581242 3 32

TAPE NO.   1              FILE NO.   1
RECORD   8                LENGTH   40
8211451788639987145434724432551237 6 32

TAPE NO.   1              FILE NO.   1
RECORD   9                LENGTH   40
8211456191983579999918163876487642 8 25

TAPE NO.   1              FILE NO.   1
RECORD   10               LENGTH   40
8211460595137727144423124212516235 0 32

***** JOB DONE.
$WEO LPS
```

```
$$
$ASS IN MT4 OUT TD2
```

```
INPUT PARAMETERS ARE:  ED SR=1=10

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   40
 81121598517383371434301222522562088 24

 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   40
 81121642549387068214213218222302065 24

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   40
 81121686582372171644284231622882135 24

 TAPE NO.   1              FILE NO.   1
 RECORD   4                LENGTH   40
 81121730614393361674072223822892000 24

 TAPE NO.   1              FILE NO.   1
 RECORD   5                LENGTH   40
 81121774647404073664278218922742111 24

 TAPE NO.   1              FILE NO.   1
 RECORD   6                LENGTH   40
 81121818679396971394403230623352116 24

 TAPE NO.   1              FILE NO.   1
 RECORD   7                LENGTH   40
 81121862712413171824289231323842083 24

 TAPE NO.   1              FILE NO.   1
 RECORD   8                LENGTH   40
 81121906744359771024250219222732172 24

 TAPE NO.   1              FILE NO.   1
 RECORD   9                LENGTH   40
 81121950778378767054598221721992131 24

 TAPE NO.   1              FILE NO.   1
 RECORD   10               LENGTH   40
 81121994810383269584310216522472041 24

***** JOB DONE.
$AVF IN 8
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED SR=1=10

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   40
 82114209658384569934322250626192461 33

 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   40
 82114253690405068784059248024972344 33

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   40
 82114297724381369274149247925522396 33

 TAPE NO.   1              FILE NO.   1
 RECORD   4                LENGTH   40
 82114341756379970484088244825922379 33

 TAPE NO.   1              FILE NO.   1
```

X 484

D-49077
DAYS SINCE JAN 1, 1977
811 + 821
3/22/79 - 4/1/79

```
$NOP
$AVF IN 8
$NOP ****************  EBCDIC LIST OF X-406  ******************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED FL=10=10

 TAPE NO.   1             FILE NO.   1
 RECORD   1               LENGTH   40
 821142096583845699343222506261924 61 33

 TAPE NO.   1             FILE NO.   1
 RECORD   2               LENGTH   40
 821142536904050687840592480249723 44 33

 TAPE NO.   1             FILE NO.   1
 RECORD   3               LENGTH   40
 821142977243813692741492479255223 96 33

 TAPE NO.   1             FILE NO.   1
 RECORD   4               LENGTH   40
 821143417563799704840882448259223 79 33

 TAPE NO.   1             FILE NO.   1
 RECORD   5               LENGTH   40
 821143857893811644340302707278424 74 32

 TAPE NO.   1             FILE NO.   1
 RECORD   6               LENGTH   40
 821144298213860686441442496259825 16 32

 TAPE NO.   1             FILE NO.   1
 RECORD   7               LENGTH   40
 821144738543772652742572487258124 23 32

 TAPE NO.   1             FILE NO.   1
 RECORD   8               LENGTH   40
 821145178863998714543472443255123 76 32

 TAPE NO.   1             FILE NO.   1
 RECORD   9               LENGTH   40
 821145619198357999991816387648764 28 25

 TAPE NO.   1             FILE NO.   1
 RECORD   10              LENGTH   40
 821146059513772714442312421251623 50 32

 TAPE NO.   1             FILE NO.   1
 RECORD   161             LENGTH   40
 821212548743656769644462309242422 48 30

 TAPE NO.   1             FILE NO.   1
 RECORD   162             LENGTH   40
 821212989063896713044842499252322 73 30

 TAPE NO.   1             FILE NO.   1
 RECORD   163             LENGTH   40
 821213429403680685940592353241421 95 31

 TAPE NO.   1             FILE NO.   1
 RECORD   164             LENGTH   40
 821213869723909755042152457251422 08 31

 TAPE NO.   1             FILE NO.   1
```

```
82121451003381175044087245824852158 31

TAPE NO.   1              FILE NO.   1
RECORD   166              LENGTH   40
82121475037374868124321251726002155 30

TAPE NO.   1              FILE NO.   1
RECORD   167              LENGTH   40
82121519070398570904426244424582183 31

TAPE NO.   1              FILE NO.   1
RECORD   168              LENGTH   40
82121563102396068334348275027822261 31

TAPE NO.   1              FILE NO.   1
RECORD   169              LENGTH   40
82121607135376469984600239225062198 31

TAPE NO.   1              FILE NO.   1
RECORD   170              LENGTH   40
82121651167358564734249238624302182 30

***** JOB DONE.
$WEO LPS
```

$$

ESA-GEOS 2

DOUBLE PROBE E-FIELD DATA

78-071A-07B SPMS-00084

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED THREE 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A CDC 175 COMPUTER AND WERE RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005208	DS005208	D045314	1	03/22/79
		D045315	2	03/31/79
		D045316	3	04/01/79

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

ESA GEOS 2
DOUBLE PROBE E-FIELD DATA

78-071A-07B

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:

D#	C#	TIME SPAN
D-45314	C-21548	3/22/79
D-45315	C-21549	3/31/79
D-45316	C-21550	4/1/79

INFORMATION SHEET FOR INCOMING DATA

DATE DATA RECEIVED: ______

NSSDC ID: ______ -1B

DATE NSDF COORDINATOR CONSULTED: ______

DATE SCIENTIST NOTIFIED: ______

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	3 Mag tapes

SATELLITE NAME/NSDF NAME: ______

EXPERIMENT NAME: ______

DATA SET FULL NAME: ______

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: ______ 45316 2548, 49, 50

REMARKS:

1600 Ebcdic 9trk
3/22/79 3/31/79 4/1/79

DATA RECEIPT NOTIFICATION SENT? ☐

______
DATA TECHNICIAN

601-32 (6/76) ADP SERVICES (MACHINE SENSIBLE ONLY)

Date July 28/1981

NSSDC ID 78-021A-0X

CDAW DATA SET ENTRY

Date Rcvd : July 16, 1981 CDB : 06

Data Sent By : K. Knott / A. Pedersen

Material Rcvd : 1 tape 1600 bpi, 9-track) ~~Basic~~ binary

documentation & dump)

Satellite / NSRF Name : ESA-GEOS 2

Data Set Name : Double Probe E-field Data

☒ New Data Set ☐ Additions ☐ Replacements

Comments

Time Coverage : 22 March 79, 31 March 79, 1 April 79

~~Tapes To be Returned to:~~

Please provide Tape Dsg - Thanks.

Completed By : D. Sawyer

european space agency
agence spatiale européenne

esa

estec (european space research and technology centre)

CDB C
7/21/81
78-071A-07B

Dr. J.I. Vette
CDB-6 Workshop
Code 601
NASA Goddard Space Flight Center
Greenbelt, Maryland 20771
U.S.A.

Your ref.:
Our ref. : SI/KK/LO/135

Noordwijk, 9th July 1981
Tel.ext.: (0)1719-8 2587

Dear Jim,

Under separate cover we have mailed to you our Electric Field Data for the periods selected for CDAW-6, e.g. 22 March 1979, 6-20 UT, and 31 March/1 April 12-6 UT. Attached to this letter are:

- the completed CDB Tape Documentation Form
- the logical and physical Record Format
- the completed workshop questionnaire

Of the many parameters shown on these tapes, only IDAY, TIME, ES and ED should be included into the workshop data bank.

Best regards,

K. Knott

Encl.

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB 6
7/21/81
28-021A-07B

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name GEOS-2 Double Probe Electric Field Data		
2. Scientific Contact Dr. A. Pedersen	3. Telephone No. or Telex No. 31-1719-82557	
4. Address ESTEC		
5. City Noordwijk	6. State Holland	7. ZIP Code or Country 2200 AG
8. Programmer Contact Peter Jones (TMM)		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 3	2. Tape Density ☐ 800 bpi ☒ ~~1600~~ 6250 bpi
3. No. of Files (per tape) 1	
4. No. of End of File Marks 2	5. No. of Tracks ☐ 7 ☒ 9
6. Recording Parity Phase encoded	7. Make and Model of Computer Used to Generate Tape CDC 175 - but tapes produced to IBM format
8. Are tapes written in binary, coded or both? (e.g. BCD) Binary	
9. What floating point representation is used? (e.g. CDC 64 bit) IBM 32 bit	
10. What integer representation is used? IBM (two's complement)	
11. No. of Physical Records (per file)	
12. Are original tapes to be returned? ☐ Yes ☒ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.)	

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

ESA-GEOS 2 E field
A. Pedersen
K. Knott

7/7/81
CDB 6
78-071A-02B
corrected Tape format

GEOS DC data Intermediate Tape Format

~~1600~~ 6250 b.p.i. 9 track tapes

In the following specification a word is taken to mean 16 bits.
All data tapes are label-less.
Data records are 60 words long, stored in blocks of 10 records.
Real data are held in IBM format.

Each record format is (I = integer, R = real)

Word no.	Type	
1		Not used
2	I	Modified Julian Day
3-4	I	Double integer (high byte first) giving the format number
5-6	R	Time of day, in seconds past midnight
7-8	R	Magnitude of component of electric field in the (X', Y') plane, in Vm^{-1}. The (X', Y', Z') system is Cartesian, fixed in the spacecraft.
9-10	R	Phase of E-field in (X', Y') plane (in radians from X' axis) is given by $\frac{3\pi}{2}$ minus this value.
11-12	R	Satellite latitude, in radians } geographic
13-14	R	Satellite longitude, in radians } geographic
15-16	R	Satellite height, in metres } geographic
17-18	R	V,D,H Components of spacecraft velocity, in ms^{-1}.
19-20	R	
21-22	R	
23-24	R	V,D,H component of magnetic field in 0.1 gammas
25-26	R	
27-28	R	
29-30	R	Euler angles for conversion of (X',Y',Z') system to VDH system, in radians.
31-32	R	
33-34	R	
35-36	R	Direction cosines of sun from centre of Earth in (V,D,H) system.
37-38	R	
39-40	R	
41-42	R	Bias current in nA
43-44	R	Lin number
45-46	R	Phase of lin correction to E-field in (X', Y', Z') system (in radians from X' axis) is given by $\frac{3\pi}{2}$ minus this value.
47-48	R	Standard deviation of curve fitting, in Volts.
49-50	R	S, D components of corrected, reconstituted electric field in (S, D, B) system only if indicator = 1 or 2 If indicator = 0 or 3 then = X, Y components of electric field in (X,Y,Z) system.
51-52	R	

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53-58	R	Not used
59		Not used
60	I	Satellite indicator (0= GEOS-1 without B-field 1= GEOS-1 with B-field 2= GEOS-2 with B-field 3= GEOS-2 without B-field)

Coordinate systems:

(X', Y',Z') - Cartesian coordinates fixed in spacecraft. Z' axis is aligned with spin axis & Y' axis with the boom.

(X, Y, Z) - Cartesian coordinates - Z axis is parallel to the spin axis and pointing towards the northern hemisphere. X axis lies in the spin plane & its orientation is such that its angle with the sun is minimum.

(V,D,H) - V axis is vertical, directed radially away from the centre of the Earth. D axis is horizontal, directed east, perpendicular to V and to the spin axis of the Earth.

(S,D,B) - B is the magnetic field direction, the S axis lies in the plane defined by the B axis & the sun direction, and D completes the triad and points approximately in the evening direction.

D-45314
3/22/79

DUMP OF TAPE LGOUT1

INPUT TAPE LGOUT1 ON MT2
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 1200BYTES

(0)	000029B0	01DAFA45	421D0000	3F133955	417D0707	BF190547	40A69C4B	47283016	40D55555	43C02A62
(40)	41621071	42D70000	C2960000	43354000	412D4920	3F309C8A	C130500C	C0D0346D	4094EA4A	3DD1B717
(80)	C2140000	42340000	41524EB0	3FAC8353	C036CF59	411FD14D	00000000	00000000	00000000	00000002
(120)	00002980	01DAFA4B	42250000	3F117F91	40F66F5D	BF190547	40A69C4B	47283016	40D55555	43C02A62
(160)	41621071	42CA0000	C2810000	43352000	412D46FB	3F309C8A	4128FC37	C0D0346D	4094EA4A	3DD1B717
(200)	C2140000	42360000	414711F7	4013066B	401802CC	411B143B	00000000	00000000	00000000	00000002
(240)	000029B0	01DAFA51	422D0000	3F11D53F	415D47D4	BF190547	40A69C4B	47283016	40D55555	43C02A62
(280)	41621071	42F10000	C2870000	43354000	412D42B1	3F309C8A	411285C3	C0D0346D	4094EA4A	3DD1B717
(320)	C2140000	42360000	41309885	3FFA4550	4015A86D	411C4E80	00000000	00000000	00000000	00000002
(360)	00002980	01DAFA57	42360000	3F152395	41515D3A	BF190547	40A69C4B	47283016	40D55555	43C02A62
(400)	41621071	42E40000	C29C0000	43358000	412D4143	3F309C8A	4074A89C	C0D0346D	4094EA4A	3DD1B717
(440)	C2140000	42460000	41255BCC	3F90D38C	40D3EE65	412E39D4	00000000	00000000	00000000	00000002
(480)	000029B0	01DAFA5D	423E0000	3F145670	413B8937	BF190547	40A69C4B	47283016	40D55555	43C02A62
(520)	41621071	42D90000	C2820000	43354000	412D3AD4	3F309C8A	C0F2D585	C0D0346D	4094EA4A	3DD1B717
(560)	C2140000	42460000	40EE25A0	401266B7	40E0B29D	412AFF4A	00000000	00000000	00000000	00000002
(600)	000029B0	01DAFA69	424E0000	3F143A57	417CE396	BF190547	40A69C4B	47283016	40D55555	43C02A62
(640)	41621071	42D90000	C2970000	43354000	412D33AD	3F309C8A	C130DF06	C0D0346D	4094EA4A	3DD1B717
(680)	C2140000	42430000	4151B41B	3F8E5F06	4076643A	412B80E3	00000000	00000000	00000000	00000002
(720)	000029B0	01DAFA75	425F0000	3F14A274	415CBE56	BF190547	40A69C4B	47283016	40D55555	43C02A62
(760)	41621071	42F10000	C28C0000	43357000	412D2C87	3F309C8A	4111F6CA	C0D0346D	4094EA4A	3DD1B717
(800)	C2140000	42420000	412FFDF0	3FA0C2AB	40C4CC89	412A8821	00000000	00000000	00000000	00000002
(840)	000029B0	01DAFA7B	42670000	3F13B101	41506651	BF190547	40A69C4B	47283016	40D55555	43C02A62
(880)	41621071	42E00000	C2990000	43357000	412D2A62	3F309C8A	406BF234	C0D0346D	4094EA4A	3DD1B717
(920)	C2140000	42420000	4124C137	3F966DFA	407CC04A	41293B61	00000000	00000000	00000000	00000002
(960)	000029B0	01DAFA87	42780000	3F142FD0	412F9C47	BF190547	40A69C4B	47283016	40D55555	43C02A62
(1000)	41621071	42E10000	C2850000	43357000	412D233C	3F309C8A	C11AF78B	C0CF41F2	40963F14	3DD1B717
(1040)	C2140000	42420000	40313854	3F8FCFB9	40ACE308	41298431	00000000	00000000	00000000	00000002
(1080)	000029B0	01DAFA8D	42800000	3F138D62	417C9861	BF190547	40A69C4B	47283016	40D55555	43C02A62
(1120)	41621071	42DF0000	C2990000	43357000	412D1E3B	3F309C8A	C1316F6E	C0CF41F2	40963F14	3DD1B717
(1160)	C2140000	42430000	41512200	3F87EB5C	4078A0EA	41297B44	00000000	00000000	00000000	00000002

FILE 1 RECORD 703 LENGTH 480BYTES

(0)	000029B0	01DBEF56	45151540	3E7DD6AE	411B9CB3	BF190547	40A730FD	47283016	40D55555	43C02A62
(40)	41621071	43188000	C2970000	4329D000	412C4933	3F31538C	C12D19F1	C0D0B780	409432CA	3F1D14E3
(80)	C2320000	424C0000	41547CA0	3F1148F8	BFFE4C73	40E5D66A	00000000	00000000	00000000	00000002
(120)	000029B0	01DBEF62	45151650	3E7396D6	415E08E9	BF190547	40A730FD	47283016	40D55555	43C02A62
(160)	41621071	43194000	C2860000	432A1000	412C42C4	3F31538C	4115BA71	C0D0B780	409432CA	3F1D14E3
(200)	C2320000	42480000	4132C675	3F12F6A6	C046D997	40A9C785	00000000	00000000	00000000	00000002
(240)	000029B0	01DBEF68	451516D0	3E6AD4CD	414817E3	BF190547	40A730FD	47283016	40D55555	43C02A62
(280)	41621071	43184000	C28A0000	4329C000	412C3E7A	3F31538C	BFB7B90C	C0D0B780	409432CA	3F1D14E3
(320)	C2320000	42480000	411C4D03	3F119BF1	C04839F8	40891E82	00000000	00000000	00000000	00000002
(360)	000029B0	01DBEF74	451517E0	3E73388C	418B6834	BF190547	40A730FD	47283016	40D55555	43C02A62
(400)	41621071	431A3000	C2930000	4329C000	412C3754	3F31538C	C1226AD5	C0D0B780	409432CA	3F1D14E3
(440)	C2320000	42470000	415F1EC5	3F18063F	C03414BB	409EBC2C	00000000	00000000	00000000	00000002

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	703	704	1200	0	0	0	0	0	0

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

START TIME 07/29/81 09:55:40 STOP TIME 07/29/81 09:56:01

Days from 1950

D-45315
3/31/79

DUMP OF TAPE LGOUT2

INPUT TAPE LGOUT2 ON MT2
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 1200BYTES

(0)	000029B9	01E399C5	422D0000	3EB13A5A	4175215D	BF16293F	40A865D0	472834F8	00000000	43C0213A
(40)	4182D07A	43147000	C25A0000	43A19000	412B4EFE	3F32C190	412E7115	C0CCD35A	4098BAC7	3FFF9724
(80)	C2280000	42380000	414ADE85	3F2BCC40	C06D8421	4113C344	00000000	00000000	00000000	00000002
(120)	000029B9	01E399CB	42360000	3EA8D242	406AFA93	BF16293F	40A865D0	472834F8	00000000	43C0213A
(160)	4182D07A	4314F000	C25B0000	43A1B000	412B4C22	3F32C190	412344DE	C0CCD35A	4098BAC7	3FFF9724
(200)	C2280000	42440000	413FB2F4	3F2A9670	C0115479	411779E2	00000000	00000000	00000000	00000002
(240)	000029B9	01E399D1	423E0000	3EA94595	415497D0	BF16293F	40A865D0	472834F8	00000000	43C0213A
(280)	4182D07A	43152000	C2710000	43A22000	412B47D8	3F32C190	40CEC70E	C0CCD35A	4098BAC7	3FFF9724
(320)	C2280000	42440000	41295BD3	3F46CC20	C0182DDA	4117C33C	00000000	00000000	00000000	00000002
(360)	000029B9	01E399DD	424F0000	3EA930F4	4133F75C	BF16293F	40A865D0	472834F8	00000000	43C0213A
(400)	4182D07A	4314D000	C2600000	43A24000	412B3FF8	3F32C190	C114927B	C0CCD35A	4098BAC7	3FFF9724
(440)	C2280000	42440000	407D9211	3F30BF6D	3D411A47	41172540	00000000	00000000	00000000	00000002
(480)	000029B9	01E399E3	42570000	3EBBC8DB	4128CB6E	BF16293F	40A865D0	472834F8	00000000	43C0213A
(520)	4182D07A	43168000	C25B0000	43A22000	412B3DD6	3F32C190	C11FBEB2	C0CCD35A	4098BAC7	3FFF9724
(560)	C2280000	42430000	4161357D	3F38EC5D	4010215E	4119DECC	00000000	00000000	00000000	00000002
(600)	000029B9	01E399E9	425F0000	3ED43540	41784200	BF16293F	40A865D0	472834F8	00000000	43C0213A
(640)	4182D07A	43153000	C2610000	43A20000	412B38D5	3F32C190	412E6FA7	C0CCD35A	4098BAC7	3FFF9724
(680)	C2280000	42440000	414ADE5B	3F2D4FBC	405BCA4B	411CC253	00000000	00000000	00000000	00000002
(720)	000029B9	01E399EF	42670000	3EE2D260	409AE8AB	BF16293F	40A865D0	472834F8	00000000	43C0213A
(760)	4182D07A	4314E000	C26D0000	43A24000	412B35F9	3F32C190	41234370	C0CCD35A	4098BAC7	3FFF9724
(800)	C2280000	42440000	413FB2CA	3F2C88E9	409616DB	411D9C0A	00000000	00000000	00000000	00000002
(840)	000029B9	01E399F5	42700000	3EE3F728	4157BCF5	BF16293F	40A865D0	472834F8	00000000	43C0213A
(880)	4182D07A	43165000	C2530000	43A24000	412B31AF	3F32C190	40CEBB9D	C0CCD35A	4098BAC7	3FFF9724
(920)	C2280000	42440000	41295BA9	3F31DA5A	40938346	411DFBA0	00000000	00000000	00000000	00000002
(960)	000029B9	01E399FB	42780000	3EDDF3FD	414C54D0	BF16293F	40A865D0	472834F8	00000000	43C0213A
(1000)	4182D07A	43145000	C2610000	43A20000	412B2ED3	3F32C190	401BF82F	C0CCD35A	4098BAC7	3FFF9724
(1040)	C2280000	42440000	411E3018	3F2F22B1	408301F4	411D5222	00000000	00000000	00000000	00000002
(1080)	000029B9	01E39A01	42800000	3EBD92C9	41346F34	BF16293F	40A865D0	472834F8	00000000	43C0213A
(1120)	4182D07A	43152000	C24B0000	43A24000	412B29D2	3F32C190	C1149332	C0CBD3C3	409A0902	3FFF9724
(1160)	C2280000	42450000	407CB79B	3F36A45C	402A1AAA	411A45B8	00000000	00000000	00000000	00000002

FILE 1 RECORD 737 LENGTH 840BYTES

(0)	000029B9	01E47927	451338F0	3C3667EA	4043568A	BF1A734B	40A82C9F	472834F8	C0471C71	43C02D9D
(40)	C21471D0	43155000	42340000	439CA000	41316121	3F4332BF	4124277C	C0FEAB36	4013AFB7	4010FF97
(80)	41A00000	42F30000	413DB2B9	3DEF8A72	40C74322	3FFD2759	00000000	00000000	00000000	00000002
(120)	000029B9	01E4792D	45133970	3C53F0B8	416B8C71	BF1A734B	40A82C9F	472834F8	C0471C71	43C02D9D
(160)	C21471D0	4316B000	42380000	439CA000	41315C20	3F427BBD	40E5405E	C0FEAB36	4013AFB7	4010FF97
(200)	41A00000	42F30000	4127CDFA	3DF13EFB	40C7560F	3FE669A6	00000000	00000000	00000000	00000002
(240)	000029B9	01E47933	451339F0	3C30A066	412F138D	BF1A734B	40A82C9F	472834F8	C0471C71	43C02D9D
(280)	C21471D0	4315E000	422B0000	439CA000	41315AB2	3F427BBD	403626DA	C0FEAB36	4013AFB7	4010FF97
(320)	41A00000	42F30000	411CDB9A	3DE60762	40C64A0E	40101BA6	00000000	00000000	00000000	00000002
(360)	000029B9	01E47939	45133A70	3BA0E5CC	41574482	BF1A734B	40A82C9F	472834F8	C0471C71	43C02D9D
(400)	C21471D0	43159000	42470000	439BF000	4131571F	3F427BBD	C11280C2	C0FEAB36	4013AFB7	4010FF97
(440)	41A00000	42F30000	406F6DA6	3D5C0BA9	40C5A5C5	3FF5D97A	00000000	00000000	00000000	00000002
(480)	000029B9	01E4793F	45133B00	3B76E8FE	40A0C49B	BF1A734B	40A82C9F	472834F8	C0471C71	43C02D9D
(520)	C21471D0	43167000	42360000	439C0000	41315581	3F427BBD	C11D725B	C0FEAB36	4013AFB7	4010FF97
(560)	41A00000	42F30000	41608C67	3D52EF9C	40C5D98B	3FF3C00B	00000000	00000000	00000000	00000002
(600)	000029B9	01E47945	45133B80	3B92DF9D	41857389	BF1A734B	40A82C9F	472834F8	C0471C71	43C02D9D
(640)	C21471D0	43170000	422C0000	439D6000	4131521E	3F427BBD	41313085	C0FE8A71	40154C98	4010FF97
(680)	41A00000	42F30000	414AB33F	3D55C27D	40C7C04C	40108DC4	00000000	00000000	00000000	00000002
(720)	000029B9	01E4794B	45133C00	3B5FDCA6	414F0BE3	BF1A734B	40A82C9F	472834F8	C0471C71	43C02D9D
(760)	C21471D0	43162000	42440000	439D9000	413150B0	3F427BBD	41263EED	C0FE8A71	40154C98	4010FF97
(800)	41A00000	42F30000	413FC0DF	3D63F577	40C7A7F4	40110207	00000000	00000000	00000000	00000002

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	737	738	1200	0	0	0	0	0	0

D-45316
4/1/79

DUMP OF TAPE LGOUT3

INPUT TAPE LGOUT3 ON MT2
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 1200BYTES

(0)	000029BA	01E48F05	42260000	3E9D6BA5	412D0C14	BF16293F	40A84380	472834F8	00000000	43C0213A
(40)	4182D07A	43192000	42110000	4397C000	4125E9DB	3F37C29F	C115BBDF	C0CCB295	4098ADAB	4011B717
(80)	C2320000	42550000	4014B3C8	3F1C847C	40918F4F	411BE3C0	00000000	00000000	00000000	00000002
(120)	000029BA	01E48F0B	422E0000	3E908075	4120ED83	BF16293F	40A84380	472834F8	00000000	43C0213A
(160)	4182D07A	43177000	C1A00000	4397C000	4125E7B6	3F37C29F	C120E75E	C0CCB295	4098ADAB	4011B717
(200)	C2320000	42580000	415AA798	3F30EB8E	4094D6C1	411BEE74	00000000	00000000	00000000	00000002
(240)	000029BA	01E48F17	423E0000	3E8E6CBC	3F2B16F8	BF16293F	40A84380	472834F8	00000000	43C0213A
(280)	4182D07A	43178000	42210000	43977000	4125E090	3F37C29F	41221C32	C0CCB295	4098ADAB	4011B717
(320)	C2320000	425A0000	413924E6	3F1D45E2	40B68C2C	411ABEAC	00000000	00000000	00000000	00000002
(360)	000029BA	01E48F29	42570000	3E89669C	412CC433	BF16293F	40A84380	472834F8	00000000	43C0213A
(400)	4182D07A	43176000	C1A00000	43975000	4125D468	3F37C29F	C115BC96	C0CCB295	4098ADAB	4011B717
(440)	C2320000	425C0000	4014B129	3F1C9328	40D9A3A6	411AB621	00000000	00000000	00000000	00000002
(480)	000029BA	01E48F2F	425F0000	3E82EA7C	4120604E	BF16293F	40A84380	472834F8	00000000	43C0213A
(520)	4182D07A	4315F000	C2240000	43976000	4125D18C	3F37C29F	C120E8CC	C0CCB295	4098ADAB	4011B717
(560)	C2320000	425B0000	415AA76E	3F2E37B5	40A48611	411B0DBE	00000000	00000000	00000000	00000002
(600)	000029BA	01E48F3B	42700000	3E864287	BF284F58	BF16293F	40A84380	472834F8	00000000	43C0213A
(640)	4182D07A	43161000	42150000	43975000	4125CA66	3F37C29F	41221A0D	C0CCB295	4098ADAB	4011B717
(680)	C2320000	425C0000	413924BC	3F1CFC8E	40CCE610	411A755E	00000000	00000000	00000000	00000002
(720)	000029BA	01E48F41	42780000	3E81B986	414CD3D6	BF16293F	40A84380	472834F8	00000000	43C0213A
(760)	4182D07A	4314A000	C2140000	4397F000	4125C565	3F37C29F	40BC19F8	C0CBB98C	4099FBE7	4011BDA5
(800)	C2320000	425C0000	4122BC4E	3F2DF160	40A55AEE	411B2065	00000000	00000000	00000000	00000002
(840)	000029BA	01E48F4D	42890000	3E860FC0	412C228A	BF16293F	40A84380	472834F8	00000000	43C0213A
(880)	4182D07A	43176000	41900000	43985000	4125BD88	3F37C29F	C115BE04	C0CBB98C	4099FBE7	4011BDA5
(920)	C2320000	425C0000	401399BF	3F1CA112	40C2EDA1	411B021F	00000000	00000000	00000000	00000002
(960)	000029BA	01E48F53	42910000	3E8004FA	411FE374	BF16293F	40A84380	472834F8	00000000	43C0213A
(1000)	4182D07A	4315C000	C21C0000	43981000	4125BB63	3F37C29F	C120E983	C0CBB98C	4099FBE7	4011BDA5
(1040)	C2320000	425A0000	415A95F8	3F2E6CD6	406D58F5	411A3815	00000000	00000000	00000000	00000002
(1080)	000029BA	01E48F6A	42B10000	3E778FBC	4141B1ED	BF16293F	40A84380	472834F8	00000000	43C0213A
(1120)	4182D07A	4314A000	41D00000	4397E000	4125AC60	3F37C29F	3F9BD7BC	C0CBB98C	4099FBE7	4011BDA5
(1160)	C2320000	425A0000	41179093	3F28BEA1	4062BFC0	41185D6C	00000000	00000000	00000000	00000002

FILE 1 RECORD 712 LENGTH 1080BYTES

(0)	000029BA	01E563BD	45124DA0	3EA1AF93	41385437	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(40)	C212666F	43139000	C21E0000	43637000	C12F4EB2	3F49A1D2	C0EB53EF	C0FA5119	C032339C	4012BD3C
(80)	C2280000	42430000	40A38EA7	3F41A330	405BD8F9	40E39460	00000000	00000000	00000000	00000002
(120)	000029BA	01E563C3	45124E20	3EAF7892	412CDF70	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(160)	C212666F	4314B000	C1F00000	43634000	C12F5020	3F49A1D2	C119E5BF	C0FA9FBE	C0309D49	4012BD3C
(200)	C2280000	42420000	BFE7873B	3F30CF97	40621DB4	4110878F	00000000	00000000	00000000	00000002
(240)	000029BA	01E563D3	45124F80	3EA87132	40186A5C	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(280)	C212666F	43134000	C1500000	43637000	C12F55D8	3F49A1D2	411DE297	C0FA9FBE	C0309D49	4012BD3C
(320)	C2280000	42390000	4136DB42	3F2B3062	40413D28	40B4DEB7	00000000	00000000	00000000	00000002
(360)	000029BA	01E563D9	45125010	3E9571EA	414D284C	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(400)	C212666F	43151000	C21B0000	43634000	C12F58B4	3F49A1D2	40780DE6	C0FA9FBE	C0309D49	4012BD3C
(440)	C2280000	423B0000	412078B0	3F3F26CE	BF758C97	40A5B91D	00000000	00000000	00000000	00000002
(480)	000029BA	01E563E5	45125110	3EA86AF8	412DBEFD	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(520)	C212666F	43147000	41600000	43632000	C12F5DB5	3F49A1D2	C11A115B	C0FA9FBE	C0309D49	4012BD3C
(560)	C2280000	423A0000	41636CC3	3F29D006	403BE6DE	40BAAEDE	00000000	00000000	00000000	00000002
(600)	000029BA	01E563EB	45125190	3E90E6EE	41210017	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(640)	C212666F	43152000	C2180000	43630000	C12F5F23	3F49A1D2	C12541DC	C0FA9FBE	C0309D49	4012BD3C
(680)	C2280000	423B0000	41583B7A	3F42BE49	3F1B0690	4095F5C0	00000000	00000000	00000000	00000002
(720)	000029BA	01E563F7	451252A0	3EA5791B	3E5670CF	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(760)	C212666F	43137000	41100000	4363E000	C12F636D	3F49A1D2	411DB2B1	C0FA9FBE	C0309D49	4012BD3C
(800)	C2280000	423B0000	4136A79F	3F289B69	4024B743	40C096B9	00000000	00000000	00000000	00000002
(840)	000029BA	01E56404	451253C0	3EB12702	419BFFDB	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B
(880)	C212666F	43135000	C2190000	43637000	C12F6925	3F49A1D2	C0F1008F	C0FAEE63	C02F0068	4012BD3C
(920)	C2280000	42430000	409F0DEC	3F2B3BE0	40611DED	41112437	00000000	00000000	00000000	00000002
(960)	000029BA	01E5640A	45125440	3EA22635	412A5489	BF19BC49	40A80A4F	472834F8	C0471C71	43C02D9B

ESA-GEOS 2

DOUBLE PROBE E-FIELD DATA

78-071A-07C SPMS-00590

This data set has 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 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
DR005842	DS005842	D047382	1	03/31/79 - 03/31/79

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

ESA GEOS 2

DOUBLE PROBE E-FIELD

78-071A-07C

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

D#	C#	TIME SPAN
D-47382	C-22146	3/31/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 78-098A-02C

DATE DATA RECEIVED: 9/20/82

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: AEM-Heacs 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: Low Rate Enhanced

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

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

ACCESSION UNIT NUMBERS: DD 47382 C-22146

REMARKS: 1600 asci

DAW

DATA RECEIPT NOTIFICATION SENT? [ ]

_____
DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date 7 Feb 16 82

NSSDC ID 77-071A-07C

CDAW DATA SET ENTRY

Date Rcvd : 7 Feb 10 1982 CDB : 06

Data Sent By : K. Knott

Material Rcvd : 1 tape, documentation, page of data listings, verification plots

Satellite / NSRF Name : ESA-GEOS 2

Data Set Name : Double Probe E-field

☒ New Data Set ☐ Additions ☐ Replacements

Comments similar to 77-071A-07B but contains EX and EY

Time Coverage : 790331 - 790331

Tapes To be Returned to :

Completed By : M. Teague

european space agency

esa

estec (european space research and technology centre)

memorandum ref.: TMA/82-037/PJ/md Noordwijk, 5 February 1982.

from/de: P.Jones - TMA

to/à : SI

cc: TMA

Subject: GEOS missing data

The reason for the data from approximately 2200 hrs. to midnight on 31 March 79 being missing on the tape you have, is that there was a problem with the processing at CNES. I have accordingly made a run of the FFT program from the ESOC tape and dumped the results from 21.00 to 24.00 onto a magnetic tape. The parameters are as follows:

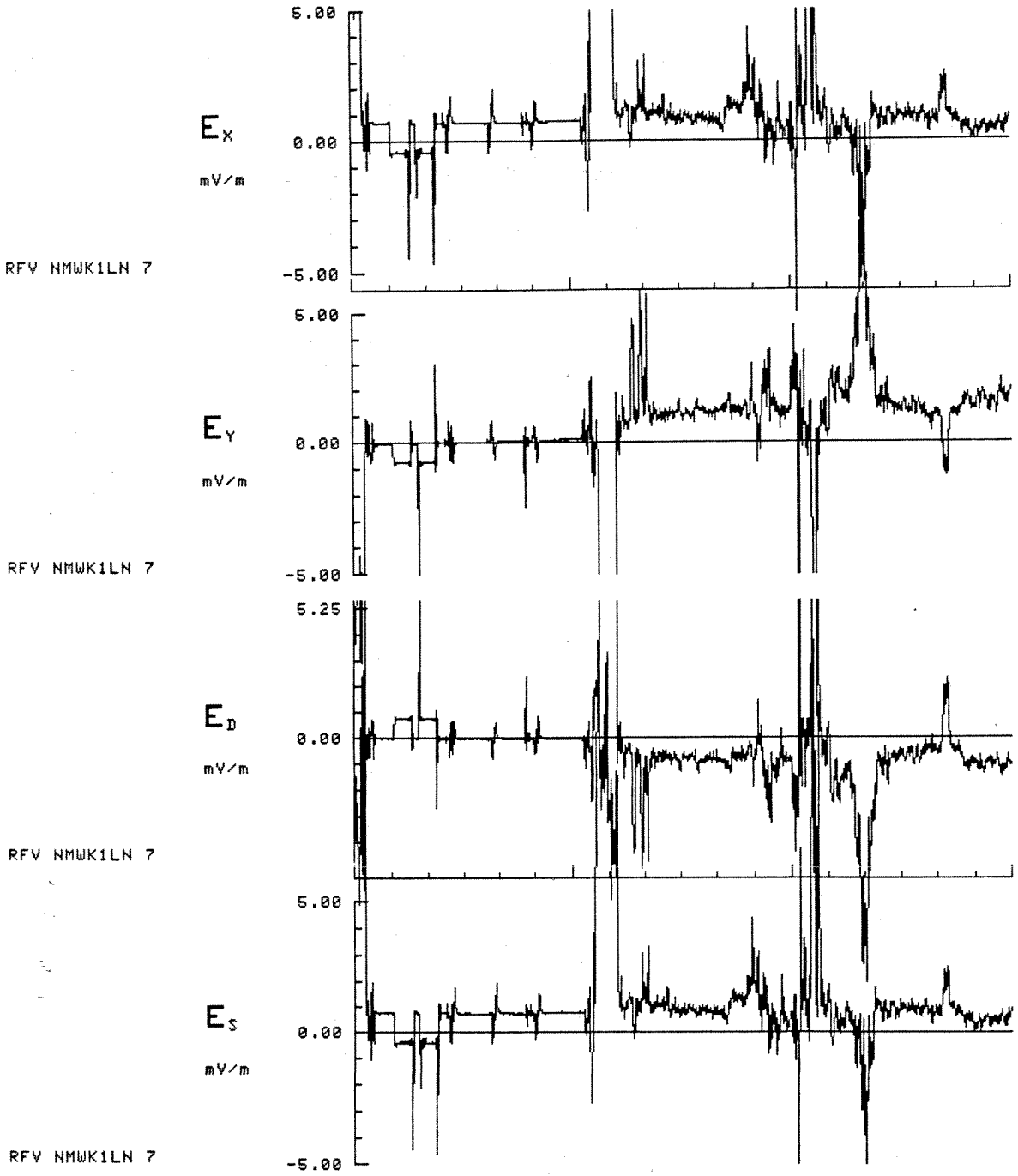
Density: 1600 bpi
No labels
Record format: Fixed unblocked
Record length: 70 bytes
Data type : Formatted
Code : ASCII
Data format : Record 1 - (I10,60X) - Modified Julian Day
Remaining records - (5E14.5) - Time (secs), E_X, E_Y, E_S, E_D
Tape Mark
Tape Mark

N.B. Electric Field values are expressed in VOLTS per meter

P. Jones

Enclosure: Mag tape
BIGFFT Plot
Print of Start and end of tape

ESOC



10681 GE2R				
U.T.	21.00	22.00	23.00	24.00
L.T.	23.30	24.30	25.30	26.30
R/RE	6.62	6.62	6.62	6.62
MLAT	-3.75	-3.76	-3.74	-3.71
L	6.65	6.65	6.65	6.65

:ARNA
10681

FORMAT (I10, 60X)

Omit E-field reconstitution ? (YES/NO)

Magnetic field correction ? (YES/NO)

Omit GEOS velocity correction ? (YES/NO)

N.B. all values in Volts

Starting processing ...

Time (in seconds)	E_x	E_y	E_s FORMAT (5E14.5)	E_D
.75605E+05	.92223E-02	.59048E-02	.97763E-02	-.52794E-02
.75610E+05	.41646E-02	.10420E-01	.95798E-02	-.61713E-02
.75616E+05	-.28927E-02	.97969E-02	.85249E-02	-.58963E-02
.75621E+05	-.80338E-02	.60079E-02	.79942E-02	-.62603E-02
.75627E+05	-.97072E-02	-.15313E-03	.74712E-02	-.63716E-02
.75632E+05	-.74768E-02	-.61191E-02	.72533E-02	-.65405E-02
.75638E+05	-.21634E-02	-.99187E-02	.74178E-02	-.70956E-02
.75643E+05	.55561E-02	-.10840E-01	.87904E-02	-.86229E-02
.75649E+05	.10460E-01	-.56227E-02	.77141E-02	-.91662E-02
.75654E+05	.11091E-01	.25863E-02	.75928E-02	-.86264E-02
.75660E+05	.82107E-02	.84903E-02	.66547E-02	-.98431E-02
.75665E+05	.76542E-03	.10380E-01	.58253E-02	-.87046E-02
.75671E+05	-.62376E-02	.92233E-02	.59245E-02	-.95022E-02
.75676E+05	-.91562E-02	.28694E-02	.48697E-02	-.83234E-02
.75682E+05	-.10651E-01	-.47834E-02	.61897E-02	-.99680E-02
.75687E+05	.24770E-03	-.84529E-02	.74256E-02	-.43335E-02
.75693E+05	.78649E-02	-.81440E-02	.10152E-01	-.54311E-02
.75698E+05	.11931E-01	-.49250E-03	.11063E-01	-.50601E-02
.75704E+05	.98447E-02	.65728E-02	.10560E-01	-.57556E-02
.75709E+05	.30262E-02	.12393E-01	.11657E-01	-.57209E-02
.75715E+05	-.46012E-02	.12092E-01	.11195E-01	-.68892E-02
.75720E+05	-.13616E-01	.42180E-02	.13654E-01	-.49547E-02
.75726E+05	-.14383E-01	-.16298E-03	.10812E-01	-.97322E-02
.75731E+05	-.12011E-01	-.53152E-02	.68143E-02	-.11307E-01
.75737E+05	-.58099E-02	-.11592E-01	.66128E-02	-.11233E-01
.75742E+05	.21320E-02	-.11533E-01	.54323E-02	-.10454E-01
.75748E+05	.98894E-02	-.72447E-02	.63115E-02	-.10592E-01
.75753E+05	.13452E-01	.15915E-02	.75427E-02	-.11341E-01
.75759E+05	.11998E-01	.13824E-01	.10812E-01	-.14941E-01
.75764E+05	-.57925E-02	.15122E-01	.13904E-01	-.87916E-02
.75770E+05	-.11779E-01	.70310E-02	.11508E-01	-.78267E-02
.75775E+05	-.38842E-02	.79821E-04	.28250E-02	-.27290E-02
.75781E+05	-.76848E-03	-.35895E-02	.37362E-02	-.35747E-03
.75786E+05	.10835E-03	-.77201E-03	.71875E-03	-.33766E-03
.75792E+05	.16385E-02	-.99143E-03	.18915E-02	-.49248E-03
.75797E+05	.62071E-03	.95178E-04	.61970E-03	-.16336E-03
.75803E+05	.12062E-04	.49975E-03	.46346E-03	.20984E-03
.75808E+05	-.40538E-04	.72337E-03	.72799E-03	-.13362E-03
.75814E+05	-.28880E-03	-.85832E-03	-.27693E-03	.86386E-03
.75819E+05	.12547E-03	-.48016E-03	-.92945E-04	.48783E-03

S=70 COMMAND ?

```
      .86277E+05    .18719E-03    .19367E-02    .37136E-03    .19188E-02
      .86283E+05   -.10610E-02    .17776E-02    .52822E-03    .20172E-02
      .86288E+05   -.19325E-02    .66186E-03    .51686E-03    .19908E-02
      .86294E+05   -.18477E-02   -.55393E-03    .63121E-03    .18353E-02
      .86299E+05   -.64745E-03   -.14347E-02    .27276E-03    .15560E-02
      .86305E+05    .39211E-03   -.16187E-02    .35151E-03    .16366E-02
      .86310E+05    .14251E-02   -.89569E-03    .23487E-03    .16766E-02
      .86316E+05    .15630E-02    .66921E-04    .36493E-03    .15311E-02
      .86321E+05    .12229E-02    .10605E-02    .41700E-03    .15722E-02
      .86327E+05    .54173E-03    .16782E-02    .71393E-03    .16262E-02
      .86332E+05   -.76891E-03    .16864E-02    .68141E-03    .17407E-02
      .86338E+05   -.14678E-02    .63113E-03    .52909E-03    .15221E-02
      .86343E+05   -.17355E-02   -.87519E-04    .94400E-03    .14768E-02
      .86349E+05   -.11508E-02   -.14871E-02    .74667E-03    .17377E-02
      .86354E+05    .59825E-04   -.19702E-02    .80180E-03    .18149E-02
      .86360E+05    .12595E-02   -.13210E-02    .69020E-03    .17072E-02
      .86365E+05    .18862E-02   -.12032E-03    .63100E-03    .17967E-02
      .86371E+05    .14725E-02    .10520E-02    .62701E-03    .17090E-02
      .86376E+05    .40562E-03    .18146E-02    .58833E-03    .17755E-02
      .86382E+05   -.76047E-03    .17386E-02    .72138E-03    .17721E-02
      .86387E+05   -.18070E-02    .83995E-03    .71144E-03    .18777E-02
      .86393E+05   -.20727E-02   -.39509E-03    .89933E-03    .19254E-02
      .86398E+05   -.14426E-02   -.17568E-02    .97532E-03    .20696E-02
:CN,8,E0
:CN,8,E0
:CN,8
:
```

ESA - GEOS Mag.

CON GG

CONφ6 54

CEφ6 EGφ9.

GSFC131A
RR GSTS
DF LROB C05
-1-

Telex - 89675

13.23
22516 NASA F
22516 NASA E
680489 CNRFRA I

'82 JAN 22 14:10

TXN040/82/GG

FM:E.AMATA.IFSI-CNR,FRASCATI,ITALY

TO:M.TEAGUE,GSFC-NASA,GREEUSA

601 / TEAGUE

DEAR DR.TEAGUE,
THE GEOS-2 MAGNETOMETER DATA WILL BE SUBMITTED ON A MAGNZIC TAPE
PRODUCED BY A HP1000 COMPUTER EQUIPPED WITH AMPEX TAPE UNITS.
THE TAPE DENSITY WILL BE 1600 BPI.
THE TAPE WILL CONTAIN ONLY ONE FILE,FOLLOWED BY TWO TAPE MARKS.
THE RECORD LENGTH WILL BE 1020 BYTES.
ALL THE DATA ON THE TAPE ARE INTEGER.

THE RECORD FORMAT IS AS FOLLOWS:

OFFSET(IN BYTES)	LENGTH(IN BYTES)		PARAMETER
0	4		TEL.FORMAT NUM. (10672 = day 91)
4	4		MOD.JULIAN DAY
8	4		MILLISEC OF DAY
12	24		XXXXXXXXXXXXXXXXXXXXXXXX (23?)
36	2	1	TEL.FORMAT AVER OF H COMPONENT OF M.FIELD
38	2		
162	2		
164	2	1	TEL.FORMAT AVER OF D COMPONENT OF M.FIELD
166	2		
290	2		
292	2	1	TEL.FORMAT AVER OF V COMPONENT OF M.FIELD
294	2		
418	2		
420	384		X X X X X (SOH, SOD, SOV)
804	2		NUMBER OF POINTS IN 1 TEL FORMAT AVERAGE
806	2		
930	2		
932	2	16	TEL.FOR. AVER OF H COMPONENT OF M.FIELD
934	2		
936	2		
938	2		
940	2	16	TEL.FOR AVER OF D COMPONENT OF MAGFIELD
942	2		
944	2		

946	2	
948	2	16 TEL FOR AVER OF V COMPONENT OF MAGFIELD
950	2	
952	2	
954	2	
956	48	X X X X X X
1004	2	NUMBER OF POINTS IN 16 TEL.FOR.AVERAGE
1006	2	
1008	2	
1010	2	
1012	8	X X X X X X

THE MILLISECONDS REFER TO THE BEGINNING OF THE FIRST 1.38 S AVERAGE.
MODIFIED JULIAN DAY 10672 IS 22 MARCH 1979.

1 TELEMETRY FORMAT IS ROUGHLY 1.38 S =1.3760
16 TELEMETRY FORMATS IS ROUGHLY 22 S
CORRECT TIMING CAN BE DEDUCED FROM MILLISECONDS.
AS YOU CNA SEE,EACH RECORD CONTAINS 64 CONSECUTIVE 1.38 S AVERAGES
(AND 4 ECUTIVE 22 S AVERAGES) OF EACH MAGNETIC FIELD COMPONENT.
THE MAGNETIC FIELD IS GIVEN IN UNITS OF Ø.1 NTESLA.

I REMEMBER THAT A TAPE WHICH I SENT TO YOU FOR EITHER CDAW-1 OR
CDAW-2 HAD THE SAME FORMAT. ?

TAPE WILL BE SENT TO -MORROW#I WILL ENCLOSE A PRINT-OUT OF
THE FIRST RECORDS.

I WILL PERSONALLY BRING A COPY TO GSFC JUST IN CASE OF MAIL PROBLEMS.

WILL BE AT GODDARD ON FEBRUARY THE 10TH.

BEST REGARDS
E.AMATA

22516 NASA E
680489 CNRFRA I

22/1332Z JAN 82 LROB

#

D-47382
3/31/79

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$NOP ************  ASCII LIST OF X-393  ****************
$ASS IN MT2
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS FL=10=10

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   70
    10681 = DAY90

 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   70
    .75605E+05    .92223E-02    .59048E-02    .97763E-02   -.52794E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   70
    .75610E+05    .41646E-02    .10420E-01    .95798E-02   -.61713E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   4                LENGTH   70
    .75616E+05   -.28927E-02    .97969E-02    .85249E-02   -.58963E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   5                LENGTH   70
    .75621E+05   -.80338E-02    .60079E-02    .79942E-02   -.62603E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   6                LENGTH   70
    .75627E+05   -.97072E-02   -.15313E-03    .74712E-02   -.63716E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   7                LENGTH   70
    .75632E+05   -.74768E-02   -.61191E-02    .72533E-02   -.65405E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   8                LENGTH   70
    .75638E+05   -.21634E-02   -.99187E-02    .74178E-02   -.70956E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   9                LENGTH   70
    .75643E+05    .55561E-02   -.10840E-01    .87904E-02   -.86229E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   10               LENGTH   70
    .75649E+05    .10460E-01   -.56227E-02    .77141E-02   -.91662E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1954             LENGTH   70
    .86349E+05   -.11508E-02   -.14871E-02    .74667E-03    .17377E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1955             LENGTH   70
    .86354E+05    .59825E-04   -.19702E-02    .80180E-03    .18149E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1956             LENGTH   70
    .86360E+05    .12595E-02   -.13210E-02    .69020E-03    .17072E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1957             LENGTH   70
    .86365E+05    .13862E-02   -.12032E-03    .63100E-03    .17967E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1958             LENGTH   70
```

```
 TAPE NO.   1              FILE NO.   1
 RECORD   1959             LENGTH   70
    .86376E+05     .40562E-03     .18146E-02     .58833E-03     .17755E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1960             LENGTH   70
    .86382E+05    -.76047E-03     .17386E-02     .72138E-03     .17721E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1961             LENGTH   70
    .86387E+05    -.18070E-02     .83995E-03     .71144E-03     .18777E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1962             LENGTH   70
    .86393E+05    -.20727E-02    -.39509E-03     .89933E-03     .19254E-02

 TAPE NO.   1              FILE NO.   1
 RECORD   1963             LENGTH   70
    .86398E+05    -.14426E-02    -.17568E-02     .97532E-03     .20696E-02

***** JOB DONE.
$ASS IN TD3 OUT MT2
$EXE TPDUPC BS
```

ESA-GEOS 2

MAGNETIC FIELD DATA

78-071A-09B SPMS-00126

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

DR#	DS#	D#	FILES	TIME SPAN
DR005698	DS005698	D047393	1	03/22/79 - 03/22/79

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

ESA GEOS 2

MAGNETIC FIELD

78-071A-09B

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:

D#	C#	TIME SPAN
D-47393	C-22148	3/22/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 78-091A-18

DATE DATA RECEIVED: 3/22/82

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: ESA-GEOS 2

EXPERIMENT NAME: _____

DATA SET FULL NAME: Ionospheric Sect

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

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

ACCESSION UNIT NUMBERS: DD 41312 C-22148

1600 Bpi 9trk 1file

3-22-79

REMARKS:

DAW

DATA RECEIPT NOTIFICATION SENT? [ ]

Norman

DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date 2/24/82

NSSDC ID 78-071A-09

CDAW DATA SET ENTRY

Date Rcvd : 02/09/82 CDB : 06

Data Sent By : Amata

Material Rcvd : 1 tape

satellite / NSDF Name :

Data Set Name : Magnetic Field

☒ New Data Set ☐ Additions ☐ Replacements

Comments

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

Tapes To be Returned to :

Completed By : Ellen Teague

D-4'1343
3/22/79

DUMP OF TAPE X405

INPUT TAPE X405 ON MT1
DATA INPUT H9 FL 1 1 1

FILE 1 RECORD 1 LENGTH 1020BYTES

(0)	01DA4200	00002AAF	0148582E	00C00000	00000000	00000000	00000000	00000000	00000000	0415040B
(40)	040D040D	040F0410	04090412	040D0414	040B040F	040F0410	04100408	0413040E	0415040D	04100410
(80)	040E0410	040C0411	040D0415	040A040E	04100410	0411040B	0413040C	0414040C	04100410	04110413
(120)	040B0412	040B0415	040B040F	0410040F	0412040B	0410040D	0414040B	040E040E	040E0411	040A040F
(160)	040B0415	FF4FFF6B	FF5AFF4A	FF42FF65	FF69FF53	FF44FF51	FF6FFF5C	FF4BFF42	FF66FF66	FF54FF45
(200)	FF50FF6D	FF5BFF54	FF42FF66	FF6AFF52	FF46FF53	FF6FFF5E	FF51FF43	FF6AFF6A	FF53FF46	FF52FF71
(240)	FF5DFF4E	FF43FF68	FF69FF52	FF45FF4F	FF70FF5C	FF52FF42	FF66FF6B	FF52FF42	FF4FFF6F	FF5CFF4B
(280)	FF41FF63	FF6DFF52	FF45FF50	00AA009B	0083008B	009E00AA	0088008B	009100AD	00970084	008C00A0
(320)	00AB008A	008D008E	00AB0099	0089008B	009C00AA	0085008A	008F00AD	009A0088	008B00A0	00AB0083
(360)	0089C090	00AC0098	0082008B	009F00AB	00870089	008F00A8	00990084	008A00A0	00AA0085	00870091
(400)	00AC0098	0080008B	00A200AA	00840088	008E00AB	00050001	00040003	00050007	00030002	00020005
(440)	00020004	00030003	00070002	00020001	00070002	00040003	00040006	00020002	00020006	00030004
(480)	00030004	00070002	00030001	00060003	00040003	00050008	00020002	00020006	00020004	00030003
(520)	00070001	00010002	00050002	00040004	00030008	00020003	00010006	000C0003	00090004	0006000A
(560)	00070002	0004000C	00030009	00050006	00090004	00010005	000D0004	00060006	0005000A	00060003
(600)	0007000F	00040006	00060007	000B0007	00020006	00100003	00080006	0006000A	00050003	0006000E
(640)	00040008	00040005	000A0007	00030004	000D0006	00040005	0005000B	00070004	0004000C	0005000A
(680)	00040001	00090008	00080004	00060005	000D0007	0001000A	00080007	00030005	0006000C	00050003
(720)	000B0007	00080003	00080006	000C0004	0002000D	00090008	00040006	0007000E	00080001	000C0008
(760)	00070003	00060009	000E0005	0002000D	00080007	00040008	0005000D	00050002	000A0008	00080004
(800)	00050006	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010
(840)	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010
(880)	00100010	000F0010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010
(920)	00100010	00100010	00100010	040E0410	040F040F	FF58FF56	FF5AFF56	00960095	00940095	00000005
(960)	00050005	00050010	00100011	00110010	000F0011	00110000	00000000	00000000	00000000	00000000
(1000)	00000000	01000100	00FF0100	00000000	00000000					

FILE 1 RECORD 1911 LENGTH 1020BYTES

(0)	01DC5DC0	00002981	02500328	00000000	00000000	00000000	00000000	00000000	00000000	0444044F
(40)	04560439	0438044C	0458044D	04330443	04510458	043C043B	044D0459	044C0437	04480456	0459043D
(80)	043D0451	045A044E	0437044B	0457045C	043E043C	044E0459	044F0437	04450453	0459043D	043C044D
(120)	0458044E	04360448	0454045C	043D043B	04510459	044E0438	04470454	045B043D	043C044F	045A044F
(160)	04380446	FF57FF52	FF47FF41	FF62FF4C	FF50FF3A	FF55FF55	FF4EFF46	FF3CFF5D	FF4DFF51	FF3BFF54
(200)	FF56FF51	FF47FF3F	FF5EFF4F	FF50FF3B	FF52FF58	FF50FF46	FF3CFF5B	FF4FFF52	FF3BFF50	FF55FF51
(240)	FF4AFF3C	FF5FFF4F	FF4DFF3C	FF4FFF56	FF57FF4F	FF3EFF5D	FF4FFF58	FF3FFF51	FF58FF54	FF4BFF3E
(280)	FF5DFF50	FF52FF3C	FF51FF56	00B700B8	00AE00CD	00C100B2	00B000B8	00D000B0	00B500AE	00C800C1
(320)	00B600AF	00B700CE	00B300B5	00AB00CA	00C100B1	00AF00B6	00CD00AE	00B400AA	00C600C0	00B600AC
(360)	00B400CB	00B300B2	00A600C4	00BE00B2	00AC00B1	00CB00B6	00B700A3	00C400C1	00B300AC	00B100CC
(400)	00B400B5	00A800C4	00C100B7	00AD00B4	00CE00B2	00060003	00050006	00070004	0002000D	00020008
(440)	00040005	00050007	00030002	000D0002	00070004	00060006	00060003	0003000D	00030008	00030005
(480)	00070006	00040003	000E0002	00070004	00040006	00060003	0003000D	00020007	00040004	00070006
(520)	00040002	000D0002	00070004	00050007	00060002	0001000D	00030007	00070003	000A000D	00080004
(560)	0004000A	000E0008	0003000A	000A0006	00020006	0008000F	000A0003	000A000A	00070003	00050008
(600)	000E0009	00050009	00090005	00020003	0009000D	00070005	000A0009	00080003	0003000A	000E0006
(640)	0005000A	00090007	00020004	000A000E	00080003	00090009	00060002	0003000A	000D0008	00040004
(680)	0004000A	000B0003	0004000C	00040008	00030004	0009000A	00030006	000B0003	00050003	00050007
(720)	000B0004	0005000A	00030005	00030003	0009000C	00030006	000B0003	00050003	0003000A	000B0002
(760)	00040009	00030006	00040005	000A000B	00020008	000D0003	00050003	00020009	000A0003	0008000B
(800)	00030006	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010
(840)	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010
(880)	00100010	000F0010	00100010	00100010	00100010	00100010	00100010	00100010	00100010	00100010
(920)	00100010	00100010	00100010	0448044A	044C0449	FF4EFF4D	FF4EFF4F	00B900BA	00B600B9	0000000D
(960)	000E000D	000E000D	000E000C	000D000D	000D000D	000D0000	00000000	00000000	00000000	00000000
(1000)	00000000	01000100	00FF0100	00000000	00000000					

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

ESA-GEOS 2

PLASMA DENSITY / TEMP. (S-300)

78-071A-11B SPMS-00083

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 800 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 A HP1000 COMPUTER AND WAS RESTORED ON THE MRS. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005624	DS005624	D045921	2	03/22/79 - 04/01/79

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

ESA GEOS 2

PLASMA DENSITY /TEMPERATURE (S-300)

78-071A-11B

This data set catalog consists of 1 tape(s). The tape(s) are 9 track, 800 bpi, ascii with 2 file(s) of data. The time span D and C numbers are as follows:

D#	C#	TIME SPAN
D-45921	C-21729	3/22/79,3/31/79,4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 78-074A-11B

DATE DATA RECEIVED: 8/24/81

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: X-37A X-395	1 Mag Tape

SATELLITE NAME/NSDF NAME: ISEE 2

EXPERIMENT NAME:

DATA SET FULL NAME: Plasma Density / Temperature (5-300)

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 45921 C-21729

REMARKS:

Dupe for first + last record of X-800 ascii 9trk 2files

3/22/79, 3/31/79, 4/1/79

CDAW

DATA RECEIPT NOTIFICATION SENT? ☐

Linda Moran

DATA TECHNICIAN

601-32 (6/76)

ADP SERVICES (MACHINE SENSIBLE ONLY)

Date August 14, 198

NSSDC ID 78-071A-11(B)

CDAW DATA SET ENTRY

Date Rcvd: August 10, 1981 CDB: 06

Data Sent By: Pierrette Decreau

Material Rcvd: 1 tape, 9-track 800 bpi (coded ascii)
data list (2 files)

Satellite/NSRF Name: GEOS 2

Data Set Name: Plasma Density/Temperature) (5-300)

☒ New Data Set ☐ Additions ☐ Replacements

Comments

Time Coverage: March 22, March 31, April 1

Tapes ~~To be Returned to~~: Not to Be Returned

Please generate a dump.
Thanks

Completed By: Kathy Headley

CDB 6
78-091A-11B
8/14/81

DATA ANALYSIS WORKSHOP CENTER

National Aeronautics and Space Administration

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name: GEOSPLASMA		
2. Scientific Contact: Mrs P.M.E. DECREAU	3. Telephone No. or Telex No.: (38) 63-00-86 - n° Telex : 760600	
4. Address: 3A - Avenue de la Recherche Scientifique - 45045 - ORLEANS Cédex		
5. City: ORLEANS	6. State: FRANCE	7. ZIP Code or Country
8. Programmer Contact: M. PARROT		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted: 1	2. Tape Density: ~~☒ 800 bpi~~ 6250 bpi ☐ 1600 bpi
3. No. of Files (per tape): 2	
4. No. of End of File Marks: 1	5. No. of Tracks ☐ 7 ☒ 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): coded	
9. What floating point representation is used? (e.g. CDC 64 bit): 32 bits	
10. What integer representation is used?: 16 bits.	
11. No. of Physical Records (per file): see list enclosed.	
12. Are original tapes to be returned? ☐ Yes ☒ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.)	

File 1: 22 march 1979 start: 6HH 04MN 11SS - stop: 19HH 38MN 25SS

File 2: 31 march 1979 start: 12 HH 12 MN 07SS - stop: 1 april 1979, 05 HH 52MN 11SS

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

C0136
78-071A-11B
8/14/81

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT

Format :

[2(1X,I2), 1X,I4,3(1X,I2), 1X,F5.2, 1X, F8.2]

Description :

Date (DAY,MONTH,YEAR)

Time (HH,MN,SS)

Electron density Ne (unit : cm^{-3})

Electron temperature Te (unit : °K - Precision not better than 1000°K)

Not meaningful when $T_e = 0.0$

(Do not load Tc = 0.0 values. DMS)

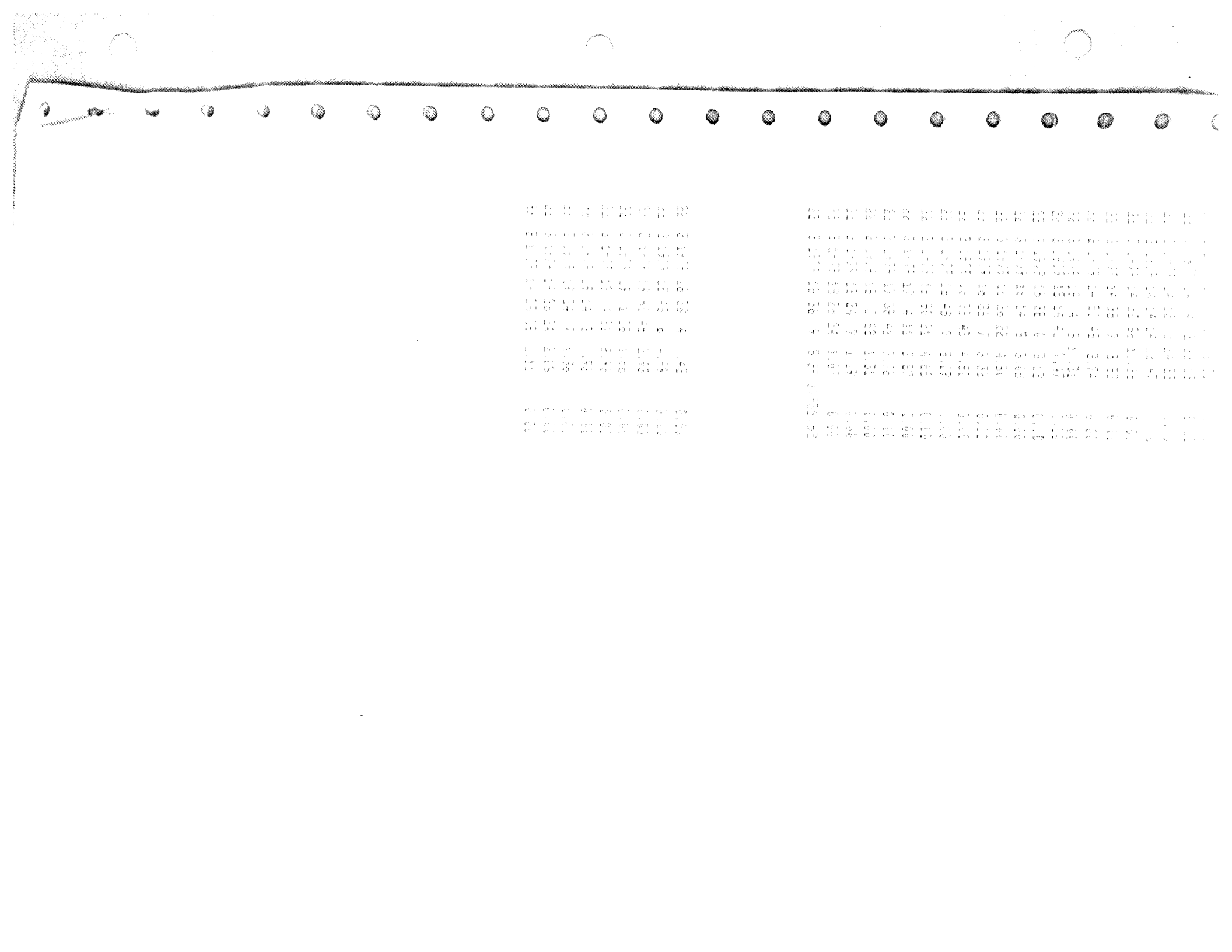
P. Décréau
CDB Ø6
78-071A-11 (B)
8/14/81

GEOS PLASMA — P.M.E. DÉCRÉAU.

— Data Set List —

Do not load zero's.

						Ne (/[illegible])	Te (°K)
22	8	1979	6	4	11	5.39	0.00
22	8	1979	6	17	39	6.54	0.00
22	8	1979	6	33	19	6.92	0.00
22	8	1979	6	37	55	6.15	0.00
22	8	1979	6	46	5	4.94	[illegible]
22	8	1979	6	51	47	6.31	0.00
22	8	1979	7	1	57	6.19	0.00
22	8	1979	7	4	52	4.94	0.00
22	8	1979	7	14	11	5.67	0.00
22	8	1979	7	15	43	6.05	0.00
22	8	1979	7	26	3	6.14	0.00
22	8	1979	7	27	56	6.42	0.00
22	8	1979	7	5	41	6.03	0.00
22	8	1979	8	1	57	7.29	[illegible]
22	8	1979	8	3	43	6.12	0.00
22	8	1979	9	1	57	6.65	33577.43
22	8	1979	9	4	13	6.36	0.00
22	8	1979	10	4	9	7.40	0.00
22	8	1979	11	14	41	6.03	0.00
22	8	1979	11	22	41	7.67	0.00
22	8	1979	10	32	7	6.17	16473.24
22	8	1979	11	33	31	5.67	0.00
22	8	1979	11	48	1	12.17	4194.27
22	8	1979	11	47	55	14.12	0.00
22	8	1979	11	[illegible]	[illegible]	[illegible]	11512.30
22	8	1979	11	32	7	16.67	0.00
22	8	1979	11	13	56	34.01	0.00
22	8	1979	11	24	7	33.44	11339.76
22	8	1979	11	31	11	33.33	0.00
22	8	1979	11	32	5	17.43	0.00
22	8	1979	11	33	13	23.17	0.00
22	8	1979	12	1	57	33.31	0.00
22	8	1979	12	13	7	49.62	0.00
22	8	1979	12	24	8	47.46	0.00
22	8	1979	12	33	3	46.34	0.00
22	8	1979	13	1	57	51.09	0.00



31	3	1979	12	12	7	6.93	20091.66
31	3	1979	12	13	11	7.96	0.00
31	3	1979	12	24	8	8.03	23259.45
31	3	1979	12	36	8	7.34	26076.33
31	3	1979	12	37	12	8.60	0.00
31	3	1979	12	48	7	7.17	20775.57
31	3	1979	12	50	24	8.15	0.00
31	3	1979	13	1	57	7.72	22356.25
31	3	1979	13	12	8	7.53	0.00
31	3	1979	13	13	47	8.15	0.00
31	3	1979	13	14	23	5.98	0.00
31	3	1979	13	24	8	7.35	21896.03
31	3	1979	13	25	12	8.22	0.00
31	3	1979	13	36	7	8.15	23625.73
31	3	1979	13	38	23	8.09	0.00
31	3	1979	13	48	7	5.35	0.00
31	3	1979	13	49	47	9.20	0.00
31	3	1979	14	1	58	8.41	17902.20
31	3	1979	14	3	35	5.09	0.00
31	3	1979	14	4	11	5.41	0.00
31	3	1979	14	12	8	7.90	22896.02
31	3	1979	14	13	11	8.60	0.00
31	3	1979	14	13	47	7.65	0.00
31	3	1979	14	26	14	5.22	15238.36
31	3	1979	14	36	8	8.74	0.00
31	3	1979	14	38	59	17.25	0.00
31	3	1979	14	48	16	9.54	17692.47
31	3	1979	15	1	58	8.74	11900.60
31	3	1979	15	4	47	13.53	0.00
31	3	1979	15	5	24	10.96	0.00
31	3	1979	15	8	13	9.89	0.00
31	3	1979	15	12	7	10.31	8804.12
31	3	1979	15	17	3	10.38	8865.15
31	3	1979	15	24	7	10.10	8622.28
31	3	1979	15	26	24	9.40	0.00
31	3	1979	15	36	7	10.31	6743.36

31	3	1979	15	48	5	13.54	0.00	
31	3	1979	15	53	4	12.25	7417.27	
31	3	1979	15	55	52	12.09	0.00	
31	3	1979	16	1	57	12.72	6769.79	
31	3	1979	16	3	36	8.47	0.00	
31	3	1979	16	4	46	8.60	0.00	
31	3	1979	16	7	43	15.12	0.00	
31	3	1979	16	8	23	14.52	0.00	
31	3	1979	16	9	0	13.69	0.00	
31	3	1979	16	9	35	13.53	0.00	
31	3	1979	16	10	11	12.88	0.00	
31	3	1979	16	11	23	12.88	0.00	
31	3	1979	16	13	12	13.85	0.00	
31	3	1979	16	14	24	16.45	0.00	
31	3	1979	16	16	12	14.44	0.00	
31	3	1979	16	16	47	15.21	0.00	
31	3	1979	16	17	59	14.78	0.00	
31	3	1979	16	20	59	16.18	0.00	
31	3	1979	16	21	36	18.11	0.00	
31	3	1979	16	22	11	16.72	0.00	
31	3	1979	16	23	23	19.75	0.00	
31	3	1979	16	24	7	12.80	7750.58	

31	3	1979	16	24	35	19.46	0.00	
31	3	1979	16	26	23	10.60	0.00	
31	3	1979	16	36	8	9.89	38886.54	
31	3	1979	16	36	36	8.15	0.00	
31	3	1979	16	37	48	6.99	0.00	
31	3	1979	16	39	0	7.90	0.00	
31	3	1979	16	40	11	7.35	0.00	
31	3	1979	16	41	23	8.41	0.00	
31	3	1979	16	42	0	6.99	0.00	
31	3	1979	16	42	35	6.64	0.00	
31	3	1979	16	43	12	5.04	0.00	
31	3	1979	16	45	0	4.18	0.00	
31	3	1979	16	45	35	3.57	0.00	
31	3	1979	16	46	12	3.61	0.00	
31	3	1979	16	46	47	4.13	0.00	
31	3	1979	16	52	11	5.04	0.00	
31	3	1979	16	52	48	3.57	0.00	
31	3	1979	16	54	35	2.60	0.00	
31	3	1979	16	55	11	3.91	0.00	
31	3	1979	16	55	48	3.40	0.00	
31	3	1979	16	56	23	5.55	0.00	
31	3	1979	16	57	35	4.23	0.00	
31	3	1979	16	58	47	4.00	0.00	
31	3	1979	16	59	24	4.16	0.00	
31	3	1979	17	2	59	5.87	0.00	
31	3	1979	17	4	11	5.14	0.00	
31	3	1979	17	25	48	3.69	0.00	
31	3	1979	17	36	7	4.79	0.00	
31	3	1979	17	41	3	1.72	0.00	
31	3	1979	17	48	7	1.39	0.00	
31	3	1979	18	5	24	1.14	0.00	
31	3	1979	18	15	35	.75	0.00	
31	3	1979	18	17	24	.75	0.00	
31	3	1979	18	24	7	1.78	0.00	
31	3	1979	18	28	47	2.45	0.00	
31	3	1979	18	31	47	.77	0.00	

31	3	1979	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	3	1979	12	[illegible]	48	1.12	0.00
31	3	1979	[illegible]	[illegible]	18	.33	0.00
31	3	1979	13	21	57	.76	0.00
31	3	1979	14	3	34	.24	0.00
31	3	1979	[illegible]	18	0	.35	0.00
31	3	1979	16	35	33	1.6[illegible]	0.00
31	3	1979	17	56	59	1.44	0.00
31	3	1979	21	13	0	.66	0.00
31	3	1979	21	42	0	.24	0.00
31	3	1979	21	57	57	.33	0.00
31	3	1979	22	14	24	.13	0.00
31	3	1979	22	[illegible]	24	.47	0.00
31	3	1979	22	[illegible]	24	.43	0.00
31	3	1979	22	23	11	.24	0.00
31	3	1979	22	26	23	.34	0.00
31	3	1979	22	[illegible]	36	1.49	0.00
31	3	1979	23	13	0	1.33	0.00
31	3	1979	23	35	59	1.49	0.00
1	4	1979	0	27	0	.12	0.00
1	4	1979	0	49	48	.20	0.00
1	4	1979	0	58	24	3.25	0.00

1	4	1979	1	4	[illegible]	.12	0.00
1	4	1979	1	12	48	[illegible]	0.00
1	4	1979	1	[illegible]	0	.33	0.00
1	4	1979	1	27	0	.24	0.00
1	4	1979	2	3	0	.13	0.00
1	4	1979	2	3	33	.37	0.00
1	4	1979	2	37	0	1.19	0.00
1	4	1979	2	[illegible]	[illegible]	[illegible]	0.00
1	4	1979	2	57	24	3.07	0.00
1	4	1979	3	4	47	.14	0.00
1	4	1979	3	13	0	.37	0.00
1	4	1979	3	[illegible]	24	.51	0.00
1	4	1979	3	[illegible]	37	1.08	0.00
1	4	1979	3	[illegible]	48	2.32	0.00
1	4	1979	3	33	48	.81	0.00
1	4	1979	3	27	23	.27	0.00
1	4	1979	3	31	[illegible]	.87	0.00
1	4	1979	3	32	0	1.73	0.00
1	4	1979	3	34	47	1.53	0.00
1	4	1979	3	51	59	1.41	0.00
1	4	1979	4	13	0	.24	0.00
1	4	1979	4	38	59	5.31	0.00
1	4	1979	4	49	47	7.47	0.00
1	4	1979	5	14	23	8.41	0.00
1	4	1979	5	35	24	3.92	0.00
1	4	1979	5	51	35	1.07	0.00
1	4	1979	5	53	11	4.13	0.00

D-43921

DUMP OF TAPE X404

INPUT TAPE X404 ON MT2
DATA INPUT H9 NE 2 FL 2 1 1

FILE 1 RECORD 1 LENGTH 36BYTES
(0) 20323220 20332031 39373920 20362020 34203131 2020352E 32392020 20202030 2E303020

FILE 1 RECORD 69 LENGTH 36BYTES
(0) 20323220 20332031 39373920 31392033 38203235 2020312E 31312020 20202030 2E303020

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	69	70	36	0	0	0	0	0	0

FILE 2 RECORD 1 LENGTH 36BYTES
(0) 20333120 20332031 39373920 31322031 32202037 2020362E 39332032 30303931 2E363620

FILE 2 RECORD 1 LENGTH 36BYTES
(0) 20203120 20342031 39373920 20352035 32203131 2020392E 31332020 20202030 2E303020

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	147	148	36	0	0	0	0	0	0

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

START TIME 10/02/81 16:35:17 STOP TIME 10/02/81 16:35:30

78-071A-11B

INPUT PARAMETERS ARE: ED SR=1=10

X 409

D-49077
DAYS since JAN 1, 1977
811 + 821
3/22/79 - 4/1/79

```
 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   40
 8112159851738337143430122252256208 8 24

 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   40
 8112164254938706821421321822302065 24

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   40
 8112168658237217164428423162288213 5 24

 TAPE NO.   1              FILE NO.   1
 RECORD   4                LENGTH   40
 8112173061439336167407222382289200 0 24

 TAPE NO.   1              FILE NO.   1
 RECORD   5                LENGTH   40
 8112177464740407366427821892274211 1 24

 TAPE NO.   1              FILE NO.   1
 RECORD   6                LENGTH   40
 8112181867939697139440323062335211 6 24

 TAPE NO.   1              FILE NO.   1
 RECORD   7                LENGTH   40
 8112186271241317182428923132384208 3 24

 TAPE NO.   1              FILE NO.   1
 RECORD   8                LENGTH   40
 8112190674435977102425021922273217 2 24

 TAPE NO.   1              FILE NO.   1
 RECORD   9                LENGTH   40
 8112195077837876705459822172199213 1 24

 TAPE NO.   1              FILE NO.   1
 RECORD   10               LENGTH   40
 8112199481038326958431021652247204 1 24

***** JOB DONE.
$AVF IN 8
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED SR=1=10

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   40
 8211420965838456993432225062619246 1 33

 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   40
 8211425369040506878405924802497234 4 33

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   40
 8211429772438136927414924792552239 6 33

 TAPE NO.   1              FILE NO.   1
 RECORD   4                LENGTH   40
 8211434175637997048408824482592237 9 33

 TAPE NO.   1              FILE NO.   1
```