#499

IMP-J

5 MINUTE AVERAGED SOLAR PLASMA DATA

73-078A-02D

SPHE 00219

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1. INTRODUCTION:

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

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

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

2. ERRATA/CHANGE LOG:

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

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

Version	Date	Person	Page	Description of Change
01				
02				

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

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

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

4. CATALOG MATERIALS:

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

b. Core Catalog Materials

IMP-J

5 MIN RESOLUTION PLASMA PARAMETER

73-078A-02D SPHE-00219

This data set has been restored. There were originally six 9-track, 1600 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004552	DS004552	D045762	1	10/31/73 - 05/21/74
		D045763	2	05/21/74 - 06/24/75
		D045764	3	05/17/75 - 11/10/75
		D045765	4	10/23/75 - 06/18/77
		D045766	5	06/17/77 - 05/26/78
		D045767	6	05/26/78 - 08/08/80

REQ. AGENT	RAND NO	ACQ. AGENT
GLS	V0089	HKH

IMP - J

5 MINUTE AVERAGED SOLAR PLASMA DATA

73-078A-02D

This data set consists of 6 IMP-J data tapes. They are 1600 BPI, EBCDIC, 9 track and are single filed. These tapes were created on the IBM 360 computer. The D and C numbers with the time spans are as follows:

D#	C#	Time Spans
D-45762	C-21627	10/31/73-5/23/74
D-45763	C-21628	05/21/74-06/24/75
D-45764	C-21629	05/17/75-11/10/75
D-45765	C-21630	10/23/75-06/18/77
D-45766	C-21631	06/17/77-05/26/78
D-45767	C-21632	05/26/78-08/08/80

IMP 8 5-MINUTE AVERAGED PLASMA DATA

These Tapes were produced on an IBM 360 computer. They are 9 track, 800 BPI, EBCDIC tapes that contain one file of data. Each logical record contains 43 words with a length of 430 bytes and a physical block of 15910 bytes.

ITEM	TYPE	VARIABLE	DEFINITION	UNITS
1	A4	S/C	NAME	
2	I4	YEAR	(i.e. 1974)	
3	I4	DAY	(JAN. 1 - DAY 1)	
4	I4	HOUR	(0 to 23) *	
5	F10.3	SPEED	AVERAGE	KM/SEC
6	F10.3	" "	STANDARD DEVIATION	KM/SEC
7	F10.3	" "	NUMBER OF VALUES AVERAGED	KM/SEC
8	F10.3	DENSITY	AVERAGE	CM-3
9	F10.3	" "	STANDARD DEVIATION	" "
10	F10.3	" "	NUMBER OF VALUES AVERAGED	" "
11	F10.3	THERMAL SPEED	AVERAGE	KM/SEC
12	F10.3	" "	STANDARD DEVIATION	" "
13	F10.3	" "	NUMBER OF VALUES AVERAGED	" "
14	F10.3	FLUX	AVERAGE	CM-2 SEC -1
15	F10.3	" "	STANDARD DEVIATION	" "
16	F10.3	" "	NUMBER OF VALUES AVERAGED	" "
17	F10.3	THERMAL/	AVERAGE	
18	F10.3	SPEED/BULK	STANDARD DEVIATION	
19	F10.3	/SPEED	NUMBER OF VALUES AVERAGED	
20	F10.3	E-W ANGLE	AVERAGE	DEGREES
21	F10.3	" "	STANDARD DEVIATION	" "
22	F10.3	" "	NUMBER OF VALUES AVERAGED	" "
			POSITIVE FROM THE WEST	" "
23	F10.3	N-S ANGLE	AVERAGE	" "
24	F10.3	" "	STANDARD DEVIATION	" "
25	F10.3	" "	NUMBER OF VALUES AVERAGED	" "
			POSITIVE FROM THE SOUTH	" "
26	F10.3	VT	AVERAGE	KM/SEC
27	F10.3	"	STANDARD DEVIATION	" "
28	F10.3	"	NUMBER OF VALUES AVERAGED	" "
29	F10.3	VN	AVERAGE	" "
30	F10.3	"	STANDARD DEVIATION	" "
31	F10.3	"	NUMBER OF VALUES AVERAGED	" "

* FOR 5 MINUTE TAPE, THIS WORD CONTAINS MINUTES OF DAY AT START OF 5 MINUTE AVERAGE.

IMP 8 5-MINUTE AVERAGED PLASMA DATA CON'T

ITEM	TYPE	VARIABLE	DEFINITION	UNITS
32	E12.3	FLUX IN 4 SECTORS	(-45,45) S/C LONGITUDE, AVERAGE	#/CM2 SEC
33	" "	" "	" " STANDARD DEVIATION	" "
34	" "	" "	(45,45) S/C LONGITUDE, NUMBER OF VALUES AVERAGED	" "
35	" "	" "	(45,135) S/C LONGITUDE, AVERAGE	" "
36	" "	" "	" " STANDARD DEVIATION	" "
37	" "	" "	(45,135) S/C LONGITUDE, NUMBER OF VALUES AVERAGED	" "
38	" "	" "	(135,-135) S/C LONGITUDE,AVERAGE	" "
39	" "	" "	" " STANDARD DEVIATION	" "
40	" "	" "	(135,-135) S/C LONGITUDE, NUMBER OF VALUES AVERAGED	" "
41	" "	" "	(-135,-45) S/C LONGITUDE, AVERAGE	" "
42	" "	" "	" " STANDARD DEVIATION	" "
43	" "	" "	(-135,-45) S/C LONGITUDE, NUMBER OF VALUES AVERAGED	" "

FATS070 CONTROL CARD TABLE SIZE IS 4096 BYTES

DR/DS04552

FATAR CONTROL CARDS

```
  1--   ANALYZE BLP
  2--   PRINT LF=1,B=1-3,CHAR
  3--   PRINT LF=1,B=1054-1056,CHAR
  4--   PRINT LF=2,B=1-3,CHAR
  5--   PRINT LF=2,B=1805-1806,CHAR
  6--   PRINT LF=3,B=1-3,CHAR
  7--   PRINT LF=3,B=745-747,CHAR
  8--   PRINT LF=4,B=1-3,CHAR
  9--   PRINT LF=4,B=2565-2567,CHAR
 10--   PRINT LF=5,B=1-3,CHAR
 11--   PRINT LF=5,B=1326-1328,CHAR
 12--   PRINT LF=6,B=1-3,CHAR
 13--   PRINT LF=6,B=2315-2317,CHAR
```

73-078A-02D

FATS071 TAPE BUFFER SIZE IS 65535 BYTES

FATS040 TAPEIN IS NOT LABELED - LABELS=NO ASSUMED

CHARACTERISTICS OF THE TAPE TO BE ANALYZED

UNIT	SERIAL	DEN	TRTCH
5BF	NC1197	38000	

FATAR DETAIL REPORT

```
BLOCK  LNGTH/  MESSAGE/                1...5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
NUMBER DISPL   BLOCK TYPE                        (COLUMN GRID IS VALID ONLY FOR CHARACTER FORMATTED DATA)

* * * * * * *  START FILE       1
               FATS038 DATA FILE IN ISCII/ASCII - TRANSLATED TO EBCDIC
     1 15910   PRINT REQUESTED          IMP81973 3041200  337.     0.0        1.00      3.64      0.0        1.00      59
     2 15910   PRINT REQUESTED          IMP81973 3071115  293.     8.50       3.00      9.45      0.704      3.00      62
     3 15910   PRINT REQUESTED          IMP81973 3071305  285.     0.0        1.00      24.5      0.0        1.00      69
  1054 15910   PRINT REQUESTED          IMP81974 143 310  550.     1.29       4.00      6.17      0.178      4.00      53
  1055 15910   PRINT REQUESTED          IMP81974 143 505  531.     3.91       5.00      6.05      0.208      5.00      62
  1056  6450   PRINT REQUESTED          IMP81974 143 690  513.     7.09       5.00      6.06      1.01       5.00      49
* * * * * * *  END OF FILE      1  -- FILE CONTAINED    1056 BLOCKS
* * * * * * *  START FILE       2
               FATS038 DATA FILE IN ISCII/ASCII - TRANSLATED TO EBCDIC
     1 15910   PRINT REQUESTED          IMP81974 141 240  589.     0.0        1.00      5.26      0.0        1.00      63
     2 15910   PRINT REQUESTED          IMP81974 141 470  599.     1.64       2.00      5.08      0.141      2.00      68
```

FATAR DETAIL REPORT

```
BLOCK  LNGTH/  MESSAGE/                1...5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
NUMBER DISPL   BLOCK TYPE                   (COLUMN GRID IS VALID ONLY FOR CHARACTER FORMATTED DATA)

     3 15910  PRINT REQUESTED          IMP81974 141 655  613.     5.48      5.00      6.01      0.500      5.00      63
  1805 15910  PRINT REQUESTED          IMP81975 1741285  353.    0.250      2.00      8.66      0.109      2.00      31
  1806 15910  PRINT REQUESTED          IMP81975 175  30  349.    0.612      3.00      8.50      0.866E-01  3.00      28
* * * * * * *  END OF FILE      2  -- FILE CONTAINED    1806 BLOCKS
* * * * * * *  START FILE       3
               FATS038 DATA FILE IN ISCII/ASCII - TRANSLATED TO EBCDIC
     1 15910  PRINT REQUESTED          IMP81975 137 465  684.     2.31      4.00      3.27      0.935E-01  4.00      65
     2 15910  PRINT REQUESTED          IMP81975 137 695  737.     0.0       1.00      3.16      0.0        1.00      86
     3 15910  PRINT REQUESTED          IMP81975 137 880  695.    0.816      4.00      3.07      0.212E-01  4.00      58
   745 15910  PRINT REQUESTED          IMP81975 3131210  425.     1.41      6.00      27.8      0.691      6.00      24
   746 15910  PRINT REQUESTED          IMP81975 314  35  293.     1.59      3.00      23.5      0.971      3.00      39
   747  7740  PRINT REQUESTED          IMP81975 3141375  580.     0.0       1.00      2.75      0.0        1.00      11
* * * * * * *  END OF FILE      3  -- FILE CONTAINED     747 BLOCKS
* * * * * * *  START FILE       4
               FATS038 DATA FILE IN ISCII/ASCII - TRANSLATED TO EBCDIC
     1 15910  PRINT REQUESTED          IMP81975 296 660  338.     0.0       1.00      31.4      0.0        1.00      18
     2 15910  PRINT REQUESTED          IMP81975 296 925  322.    0.935      5.00      24.1      0.814      5.00      19
     3 15910  PRINT REQUESTED          IMP81975 2961110  324.     7.20      5.00      27.6      0.368      5.00      25
  2565 15910  PRINT REQUESTED          IMP81977 1681105  455.     1.77      5.00      9.78      0.332      5.00      45
  2566 15910  PRINT REQUESTED          IMP81977 1681290  465.     28.3      4.00      7.31      0.664      4.00      74
  2567 12470  PRINT REQUESTED          IMP81977 169  35  510.     4.05      4.00      4.46      0.410      4.00      58
* * * * * * *  END OF FILE      4  -- FILE CONTAINED    2567 BLOCKS
* * * * * * *  START FILE       5
               FATS038 DATA FILE IN ISCII/ASCII - TRANSLATED TO EBCDIC
     1 15910  PRINT REQUESTED          IMP81977 168 420  497.     0.0       1.00      7.25      0.0        1.00      59
```

FATAR DETAIL REPORT

```
 BLOCK  LNGTH/  MESSAGE/                1...5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 NUMBER DISPL   BLOCK TYPE                        (COLUMN GRID IS VALID ONLY FOR CHARACTER FORMATTED DATA)

      2 15910  PRINT REQUESTED          IMP81977 168 775  485.      1.37      4.00      7.71      0.853E-01  4.00      50
      3 15910  PRINT REQUESTED          IMP81977 168 960  410.      2.92      4.00      5.24      0.965E-01  4.00      31
   1326 15910  PRINT REQUESTED          IMP81978 146 350  446.      2.94      5.00      4.57      0.171      5.00      36
   1327 15910  PRINT REQUESTED          IMP81978 146 970  433.      9.88      2.00      4.67      0.379E-01  2.00      33
   1328  3440  PRINT REQUESTED          IMP81978 1461260  410.      10.2      4.00      3.56      0.351      4.00      31
* * * * * * *  END OF FILE      5  -- FILE CONTAINED    1328 BLOCKS
* * * * * * *  START FILE       6
               FATS038 DATA FILE IN ISCII/ASCII - TRANSLATED TO EBCDIC
      1 15910  PRINT REQUESTED          IMP81978 1461260  404.     0.0        1.00      3.09      0.0        1.00      28
      2 15910  PRINT REQUESTED          IMP81978 147 105  391.      2.38      3.00      3.54      0.132      3.00      47
      3 15910  PRINT REQUESTED          IMP81978 147 290  373.      3.45      5.00      4.03      0.101      5.00      23
   2315 15910  PRINT REQUESTED          IMP81980 220 290  411.      2.20      5.00      4.21      0.344      5.00      25
   2316 15910  PRINT REQUESTED          IMP81980 220 475  385.      10.0      4.00      3.70       1.71      4.00      23
   2317  4300  PRINT REQUESTED          IMP81980 221   5  305.     0.0        1.00      8.89      0.0        1.00      52
* * * * * * *  END OF FILE      6  -- FILE CONTAINED    2317 BLOCKS
* * * * * * *  START FILE       7
               FATS038 DATA FILE IN ISCII/ASCII - TRANSLATED TO EBCDIC
* * * * * * *  END OF FILE      7  -- FILE CONTAINED       0 BLOCKS
FATS020 ANALYSIS TERMINATED AT TAPEMARK SEQUENCE
```

FINAL TOTALS

FILES READ	BLOCKS READ	BYTES READ	FEET READ	TEMP ERRS	PERM ERRS	FILES WRITTEN	BLOCKS WRITTEN
6	9821	156206960	409	0	0	0	0

D-45766

DUMP OF TAPE GA2

INPUT TAPE GA2 ON MT2
DATA INPUT H9 FL 1 1 1

YEAR DAY min of day 10

FILE 1 RECORD 1 LENGTH 15910BYTES 497, speed 60.0 ft cbbl

(0)	C9D4D7F8	F1F9F7F7	40F1F6F8	40F4F2F0	4040F4F9	F74B4040	40404040	4BF04040	40404040	4040F14B	
(40)	F0F04040	40404040	F74BF2F5	40404040	40F04BF0	40404040	40404040	F14BF0F0	40404040	4040F5F9	← V_{th} = 59.1 ft-lb
(80)	4BF14040	40404040	4BF04040	40404040	4040F14B	F0F04040	40404040	4BF3F5F6	C540F0F4	40F04BF0	
(120)	40404040	40404040	F14BF0F0	40404040	40F04BF1	F1F94040	40404040	4BF04040	40404040	4040F14B	→ 60.119 cbbl
(160)	F0F04040	40404040	F44BF4F7	40404040	40F04BF0	40404040	40404040	F14BF0F0	40404040	4060F84B	
(200)	F5F44040	404040F0	4BF04040	40404040	4040F14B	F0F04040	40404060	F3F84BF3	40404040	40F04BF0	
(240)	40404040	40404040	F14BF0F0	40404040	4060F7F3	4BF64040	404040F0	4BF04040	40404040	4040F14B	
(280)	F0F04040	40404040	40F04BF6	F6F5C540	F0F54040	40F04BF0	40404040	40404040	40F04BF1	F0F0C540	
(320)	F0F14040	40F04BF6	F8F2C540	F0F54040	40F04BF0	40404040	40404040	40F04BF1	F0F0C540	F0F14040	
(360)	40F04BF6	F6F5C540	F0F54040	40F04BF0	40404040	40404040	40F04BF1	F0F0C540	F0F14040	40F04BF2	
(400)	F6F4C560	F0F14040	40F04BF0	40404040	40404040	40F04BF1	F0F0C540	F0F1C9D4	D7F8F1F9	F7F740F1	
(440)	F6F840F4	F5F54040	F4F9F44B	40404040	4040F24B	F2F54040	40404040	F24BF0F0	40404040	4040F64B	59.1/497 = .11891
(480)	F9F84040	404040F0	4BF2F4F2	40404040	4040F24B	F0F04040	40404040	F5F74BF9	40404040	4040F34B	
(520)	F9F74040	40404040	F24BF0F0	40404040	40F04BF3	F4F1C540	F0F44040	F1F2F24B	40404040	4040F24B	
(560)	F0F04040	404040F0	4BF1F1F7	40404040	40F04BF7	F5F0C560	F0F24040	F24BF0F0	40404040	4040F34B	
(600)	F6F54040	404040F0	4BF1F3F7	40404040	4040F24B	F0F04040	40404060	F74BF0F4	40404040	4040F24B	
(640)	F5F04040	40404040	F24BF0F0	40404040	4060F3F1	4BF24040	40404040	F14BF1F4	40404040	4040F24B	
(680)	F0F04040	40404060	F6F04BF4	40404040	4040F2F1	4BF64040	40404040	F24BF0F0	40404040	404040F0	
(720)	4BF6F6F5	C540F0F5	404040F0	4BF5F0F9	C540F0F8	404040F0	4BF2F0F0	C540F0F1	404040F0	4BF6F8F2	
(760)	C540F0F5	404040F0	4BF9F0F5	C540F0F2	404040F0	4BF2F0F0	C540F0F1	404040F0	4BF6F6F5	C540F0F5	
(800)	404040F0	4BF9F0F5	C540F0F2	404040F0	4BF2F0F0	C540F0F1	404040F0	4BF2F8F2	C560F0F1	404040F0	
(840)	4BF1F3F6	C560F0F2	404040F0	4BF2F0F0	C540F0F1	C9D4D7F8	F1F9F7F7	40F1F6F8	40F4F6F0	4040F4F9	
(880)	F34B4040	40404040	F24BF6F9	40404040	4040F34B	F0F04040	40404040	F74BF0F4	40404040	40F04BF2	
(920)	F1F54040	40404040	F34BF0F0	40404040	4040F5F8	4BF64040	40404040	F34BF7F9	40404040	4040F34B	
(960)	F0F04040	404040F0	4BF3F4F4	C540F0F4	4040F9F7	4BF14040	40404040	F34BF0F0	40404040	40F04BF1	
(1000)	F1F94040	404040F0	4BF7F1F7	C560F0F2	4040F34B	F0F04040	40404040	F24BF5F9	40404040	40F04BF3	
(1040)	F5F44040	40404040	F34BF0F0	40404040	4060F74B	F2F24040	40404040	F24BF0F2	40404040	4040F34B	
(1080)	F0F04040	40404060	F2F24BF1	40404040	4040F34B	F0F24040	40404040	F34BF0F0	40404040	4060F6F2	
(1120)	4BF04040	40404040	F1F74BF5	40404040	4040F34B	F0F04040	40404040	40F04BF6	F6F5C540	F0F54040	
(1160)	40F04BF4	F4F2C540	F0F84040	40F04BF3	F0F0C540	F0F14040	40F04BF6	F8F2C540	F0F54040	40F04BF7	
(1200)	F8F4C540	F0F24040	40F04BF3	F0F0C540	F0F14040	40F04BF6	F6F5C540	F0F54040	40F04BF4	F5F3C540	
(1240)	F0F24040	40F04BF3	F0F0C540	F0F14040	40F04BF2	F9F6C560	F0F14040	40F04BF3	F1F3C560	F0F24040	
(1280)	40F04BF3	F0F0C540	F0F1C9D4	D7F8F1F9	F7F740F1	F6F840F4	F6F54040	F4F9F24B	40404040	4040F14B	
(1320)	F6F64040	40404040	F54BF0F0	40404040	4040F74B	F0F44040	404040F0	4BF1F2F3	40404040	4040F54B	
(1360)	F0F04040	40404040	F6F44BF1	40404040	4040F24B	F0F14040	40404040	F54BF0F0	40404040	40F04BF3	
(1400)	F4F2C540	F0F44040	F5F24BF8	40404040	4040F54B	F0F04040	404040F0	4BF1F3F0	40404040	40F04BF4	
(1440)	F1F9C560	F0F24040	F54BF0F0	40404040	4040F14B	F9F84040	404040F0	4BF2F7F3	40404040	4040F54B	
(1480)	F0F04040	40404060	F94BF3F6	40404040	40F04BF4	F5F74040	40404040	F54BF0F0	40404040	4060F1F6	
(1520)	4BF84040	40404040	F24BF3F3	40404040	4040F54B	F0F04040	40404060	F8F04BF0	40404040	4040F44B	
(1560)	F0F94040	40404040	F54BF0F0	40404040	404040F0	4BF6F6F5	C540F0F5	404040F0	4BF3F9F7	C540F0F8	
(1600)	404040F0	4BF5F0F0	C540F0F1	404040F0	4BF6F8F2	C540F0F5	404040F0	4BF6F4F0	C540F0F2	404040F0	
(1640)	4BF5F0F0	C540F0F1	404040F0	4BF6F6F5	C540F0F5	404040F0	4BF6F4F0	C540F0F2	404040F0	4BF5F0F0	
(1680)	C540F0F1	404040F0	4BF3F0F4	C560F0F1	404040F0	4BF7F1F7	C560F0F3	404040F0	4BF5F0F0	C540F0F1	
(1720)	C9D4D7F8	F1F9F7F7	40F1F6F8	40F4F7F0	4040F4F9	F54B4040	40404040	F54BF0F1	40404040	4040F24B	
(1760)	F0F04040	40404040	F64BF0F0	40404040	40F04BF6	F0F34040	40404040	F24BF0F0	40404040	4040F6F3	
(1800)	4BF84040	40404040	F44BF8F2	40404040	4040F24B	F0F04040	404040F0	4BF2F9F4	C540F0F4	4040F2F7	
(1840)	F34B4040	40404040	F24BF0F0	40404040	40F04BF1	F2F94040	404040F0	4BF1F1F0	C560F0F1	4040F24B	
(1880)	F0F04040	40404040	F24BF8F1	40404040	40F04BF3	F1F64040	40404040	F24BF0F0	40404040	4060F84B	
(1920)	F0F54040	404040F0	4BF9F2F5	40404040	4040F24B	F0F04040	40404060	F2F44BF1	40404040	4040F24B	
(1960)	F8F94040	40404040	F24BF0F0	40404040	4060F6F9	4BF34040	40404040	F84BF5F9	40404040	4040F24B	
(2000)	F0F04040	40404040	40F04BF6	F6F5C540	F0F54040	40F04BF4	F3F7C540	F0F84040	40F04BF2	F0F0C540	
(2040)	F0F14040	40F04BF6	F8F2C540	F0F54040	40F04BF6	F4F0C540	F0F24040	40F04BF2	F0F0C540	F0F14040	
(2080)	40F04BF6	F6F5C540	F0F54040	40F04BF6	F4F0C540	F0F24040	40F04BF2	F0F0C540	F0F14040	40F04BF3	
(2120)	F4F5C560	F0F14040	40F04BF3	F8F5C560	F0F24040	40F04BF2	F0F0C540	F0F1C9D4	D7F8F1F9	F7F740F1	
(2160)	F6F840F4	F7F54040	F4F8F34B	40404040	4040F24B	F1F14040	40404040	F34BF0F0	40404040	4040F74B	
(2200)	F2F04040	404040F0	4BF1F6F0	40404040	4040F34B	F0F04040	40404040	F7F04BF8	40404040	4040F14B	
(2240)	F7F54040	40404040	F34BF0F0	40404040	40F04BF3	F4F3C540	F0F44040	F7F54BF2	40404040	4040F34B	

(2200)	F5F04040	404040F0	4BF3F1F6	40404040	4040F24B	F0F04040	40404040	F3F14BF7	40404040	4040F34B
(2240)	F6F64040	40404040	F24BF0F0	40404040	40F04BF1	F3F9C540	F0F44040	F1F0F54B	40404040	4040F24B
(2280)	F0F04040	404040F0	4BF7F9F1	C560F0F1	40F04BF9	F8F2C560	F0F24040	F24BF0F0	40404040	4060F24B
(2320)	F4F34040	404040F0	4BF3F2F3	40404040	4040F24B	F0F04040	40404040	F44BF6F5	40404040	4040F44B
(2360)	F4F24040	40404040	F24BF0F0	40404040	4040F1F6	4BF94040	40404040	F24BF0F0	40404040	4040F24B
(2400)	F0F04040	40404040	F3F24BF3	40404040	4040F3F0	4BF54040	40404040	F24BF0F0	40404040	404040F0
(2440)	4BF6F4F2	C540F0F5	404040F0	4BF2F1F3	C540F0F8	404040F0	4BF2F0F0	C540F0F1	404040F0	4BF6F5F8
(2480)	C540F0F5	404040F0	4BF04040	40404040	404040F0	4BF2F0F0	C540F0F1	404040F0	4BF6F4F2	C540F0F5
(2520)	404040F0	4BF04040	40404040	404040F0	4BF2F0F0	C540F0F1	404060F0	4BF1F0F0	C540F0F3	404040F0
(2560)	4BF04040	40404040	404040F0	4BF2F0F0	C540F0F1	C9D4D7F8	F1F9F7F8	40F1F4F6	F1F2F9F0	4040F4F0
(2600)	F84B4040	404040F0	4BF04040	40404040	4040F14B	F0F04040	40404040	F34BF9F8	40404040	40F04BF0
(2640)	40404040	40404040	F14BF0F0	40404040	4040F3F2	4BF44040	404040F0	4BF04040	40404040	4040F14B
(2680)	F0F04040	404040F0	4BF1F6F1	C540F0F4	40F04BF0	40404040	40404040	F14BF0F0	40404040	40F04BF7
(2720)	F9F4C560	F0F140F0	4BF04040	40404040	4040F14B	F0F04040	40404060	F34BF0F4	40404040	40F04BF0
(2760)	40404040	40404040	F14BF0F0	40404040	4040F54B	F9F44040	404040F0	4BF04040	40404040	4040F14B
(2800)	F0F04040	40404040	F2F14BF5	40404040	40F04BF0	40404040	40404040	F14BF0F0	40404040	4040F4F2
(2840)	4BF14040	404040F0	4BF04040	40404040	4040F14B	F0F04040	40404040	40F04BF6	F4F2C540	F0F54040
(2880)	40F04BF0	40404040	40404040	40F04BF1	F0F0C540	F0F14040	40F04BF6	F5F8C540	F0F54040	40F04BF0
(2920)	40404040	40404040	40F04BF1	F0F0C540	F0F14040	40F04BF6	F4F2C540	F0F54040	40F04BF0	40404040
(2960)	40404040	40F04BF1	F0F0C540	F0F14040	60F04BF1	F0F0C540	F0F34040	40F04BF0	40404040	40404040
(3000)	40F04BF1	F0F0C540	F0F1C9D4	D7F8F1F9	F7F840F1	F4F6F1F2	F9F54040	F4F0F44B	40404040	40F04BF0
(3040)	40404040	40404040	F14BF0F0	40404040	4040F34B	F0F94040	404040F0	4BF04040	40404040	4040F14B
(3080)	F0F04040	40404040	F2F84BF0	40404040	40F04BF0	40404040	40404040	F14BF0F0	40404040	40F04BF1
(3120)	F2F4C540	F0F440F0	4BF04040	40404040	4040F14B	F0F04040	404040F0	4BF6F9F3	C560F0F1	40F04BF0
(3160)	40404040	40404040	F14BF0F0	40404040	4060F24B	F5F84040	404040F0	4BF04040	40404040	4040F14B
(3200)	F0F04040	40404040	F74BF2F5	40404040	40F04BF0	40404040	40404040	F14BF0F0	40404040	4040F1F8
(3240)	4BF04040	404040F0	4BF04040	40404040	4040F14B	F0F04040	40404040	F5F14BF0	40404040	40F04BF0
(3280)	40404040	40404040	F14BF0F0	40404040	404040F0	4BF6F4F2	C540F0F5	404040F0	4BF04040	40404040
(3320)	404040F0	4BF1F0F0	C540F0F1	404040F0	4BF6F5F8	C540F0F5	404040F0	4BF04040	40404040	404040F0
(3360)	4BF1F0F0	C540F0F1	404040F0	4BF6F4F2	C540F0F5	404040F0	4BF04040	40404040	404040F0	4BF1F0F0
(3400)	C540F0F1	404060F0	4BF1F0F0	C540F0F3	404040F0	4BF04040	40404040	404040F0	4BF1F0F0	C540F0F1

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	1328	1329	15910	0	4	0	0	4	4

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

START TIME 08/28/81 09:05:46 STOP TIME 08/28/81 09:08:01

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$REW LO