[redacted]

#439

ENERGETIC PARTICLE DETECTOR

76-059A-01A

77-007A-01A

[redacted]

1976-059A

1977-007A

ENERGETIC PARTICLE DETECTOR

76-059A-01A

77-007A-01A

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

DR#	DS#	D#	FILES	TIME SPAN
DR005891	DS005891	D033560	1 - 2	07/28/77 - 07/29/77

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RD2051	MJT

ENERGETIC PARTICLE DETECTOR

76-059A-01A

77-007A-01A

This data set catalog consists of 2 data tapes. The tapes are 1600 BPI, Binary, 9track with 2 files of data. The tapes were created on an CDC 6600 computer.

The time span is as follows:

D#	C#	TIME SPAN
D-33560	C-20540	07/28/77 - 07/29/77
D-35135	C-20716	07/28/77 - 07/29/77

Higbie Data Tape

Nine Track 1600 BPI Binary CDC Floating point
Tape should be read with unformatted read
EG. DIMENSION X(52)
READ (1) X

File 1	6030 records of 52 words	1976-059 (2112)
File 2	6403 records of 52 words	1977-007 (3151)

Word	1	Universal Time
	2	H component of magnetic coordinates - parallel to earth's dipole field field?
	3	V component of magnetic coordinates - radially outward from center of earth
	4	D Component of magnetic coordinates - points eastward
	5-10	Low energy electron rotation averages-channels 1-6
	11-16	High energy electron rotation averages-channels 1-6
	17-26	Low energy proton rotation averages-channels 1-10
	27-42	High energy proton rotation averages-channels 1-16
	43	Colatitude measured from H axis } not clear.
	44	Azimuth measured from negative V axis } not clear.
	45	Second order spherical harmonic coefficient
	46	Fourth order spherical harmonic coefficient
	47	East-west pitch angle anisotropy for low energy protons-channel 1 } Ratios?
	48	North-south pitch angle anisotropy for low energy protons-channel 1 } Ratios?
	49	Local time. Will be -70. for fill data.
	50	Month
	51	Day
	52	Year

61B/

76-059A/77-007A
D-35135
7/28/77 - 7/29/7

DUMP OF TAPE X-202

INPUT TAPE X-202 0 ASC
DATA INPUT 32 BE 2 FL 2 1 1

FILE 1 RECORD 1 LENGTH 5108YTES

(0)	175151170223	200000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(48)	[illegible]	[illegible]	[illegible]	[illegible]	377777777777	777760563777	777777777777
(96)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777
(144)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777
(192)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(240)	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056
(288)	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777
(336)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777
(384)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777
(432)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(480)		17		34			

FILE 1 RECORD 5014 LENGTH 5108YTES

(0)	175173 5475	[illegible] 1717	[illegible] 5310055777	552260602557	267353640035	606[illegible]2736461	011773736062	147140320306
(48)	344117167241	566426[illegible]1174	171767369406	111371176056	377777777777	777760563777	777777777777	605637777777
(96)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(144)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056
(192)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777
(240)	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777
(288)	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777
(336)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(384)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056
(432)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777717235732	375307112500
(480)	000000000000	000000100000	000000000000	000100000000	000000000100			

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	5014	5015	323	0	45	0	0	46	47

FILE 2 RECORD 1 LENGTH 5108YTES

(0)	175151157515	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(48)	[illegible]	[illegible]	[illegible]	[illegible]	377777777777	777760563777	777777777777
(96)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777
(144)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777
(192)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(240)	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056
(288)	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777
(336)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777
(384)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777
(432)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(480)	000000000000	000000070000	000000000000	003400000000	000000000100		

FILE 2 RECORD 5194 LENGTH 5108YTES

(0)	175163[illegible] 53[illegible]	[illegible] 1717	633374024060	257[illegible]3267	375763627432	171541635206	256733041717	433544505551
(48)	634417155434	343271515014	171764[illegible]6014	455770466056	377777777777	777760563777	777777777777	605637777777
(96)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(144)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056
(192)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777
(240)	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777
(288)	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777
(336)	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777760563777
(384)	777777777777	605637777777	777777776056	377777777777	777760563777	777777777777	605637777777	777777776056
(432)	377777777777	777760563777	777777777777	605637777777	777777776056	377777777777	777717226261	601075311134
(480)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
2	5194	5195	323	0	12	0	0	13	14

D-33560

ENERGETIC PART DET
7/28/77 - 7/29/77

```
$END DO
$ASS IN MS1
$EXE DUMPTP 8S
```

DUMP OF TAPE X-399

```
INPUT TAPE   X-399    ON   MS1
DATA INPUT     H9 NF 2 FL 2 1 1

FILE        1  RECORD        1  LENGTH      390BYTES
(      0)   3E9872FD  24000000  00000000  00000002  E7FFFFFF  FFFFFC2E  7FFFFFFF  FFFF3D4E  1F5C28F5  C283D4B1
(     40)   D70A3D70  A33D3EFA  E147AE14  73D38E8F  5C26F5C2  3D290A3D  70A3D703  D181EB85  1EB8513D  4AE00003
(     80)   000003D3  DE666666  66663D2D  E6666666  6663D28B  33333333  333D0E33  33333333  33CF9999  99999999
(    120)   3D1DE666  66666663  D184CCCC  CCCCCC3D  0A333333  333333CF  E0000000  00003CFC  66666666  6663CDE6
(    160)   66666666  663CCCCC  CCCCCCCC  C3CBCCCC  CCCCCCCC  3CBCCCCC  CCCCCCCC  00000000  0000003C  D8000000
(    200)   000003CA  CCCCCCCC  CCCC3CAC  CCCCCCCC  CCC3CC99  99999999  993CACCC  CCCCCCCC  C3CACCCC  CCCCCCCC
(    240)   3CBCCCCC  CCCCCCCC  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(    280)   00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000003  CACCCCCC  CCCCCCC2
(    320)   FFFFFC28  37FFFFFF  FFFFC320  7B1729E3  003C3172  4244233B  AFC2E7FF  FFFFFFFF  FC2E7FFF  FFFFFFFF
(    360)   C2973FFF  FFFFFFF0  00000000  00000700  00000000  0001C000  00000000  004D

FILE        1  RECORD     6030  LENGTH      390BYTES
(      0)   3E9E18B3  50000000  00000000  00000002  E7FFFFFF  FFFFFC2E  7FFFFFFF  FFFF3D78  E728F5C2  8F53D6E4
(     40)   C8F5C28F  5C3D6ACB  0A3D70A3  D3D5F53D  70A3D70A  3D594AE1  47AE1473  D4866666  6666663D  6D2F9999
(     80)   999993D5  C6800000  00003D3D  8CCCCCCC  CCC3D1DB  33333333  333CF866  66666666  63CBCCCC  CCCCCCCC
(    120)   3D4A5666  66666663  D3E40000  00000003D  3AECCCCC  CCCCC3D3  87333333  33333D2E  4CCCCCCC  CCC3D289
(    160)   99999999  993D1A99  99999999  93D08333  33333333  3CEE6666  66666663  CD999999  9999993D  1C800000
(    200)   000003D0  F6666666  66663CF9  99999999  9993CD99  99999999  99000000  00000000  00000000  00000000
(    240)   00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(    280)   00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(    320)   FFFFFC28  37FFFFFF  FFFF3CF9  226F5697  8A8C3339  B614848F  8EC2E7FF  FFFFFFFF  FC2E7FFF  FFFFFFFF
(    360)   3D3BDA7E  B1C953C0  00000000  00000800  00000000  00001000  00000000  004D

        FILE    INPUT      DATA RECORDS      MAX.          READ ERROR SUMMARY          INPUT RETRIES
                RECS.        INPUT           SIZE       PERM  ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
          1     6030         6031            390         0      0       0      0       0       0

FILE        2  RECORD        1  LENGTH      390BYTES
(      0)   3E987286  CC000000  00000000  00000002  E7FFFFFF  FFFFFC2E  7FFFFFFF  FFFF3D4D  66666666  6663D4C9
(     40)   C28F5C28  F53D3E27  AE147AE1  43D2FDEB  851EB851  3D2835C2  8F5C28F3  D0D00000  0000003D  4F566666
(     80)   666663D4  B3333333  33333D3C  33333333  3333D2FB  33333333  333D1E4C  CCCCCCCC  C3CFF333  33333333
(    120)   3D2D9999  99999993  D284CCCC  CCCCCC3D  29CCCCCC  CCCCC3D1  C9999999  99993D18  19999999  9993CFD3
(    160)   33333333  333CDE66  66666666  63CDE666  66666666  3CC99999  99999990  00000000  0000003C  DE666666
(    200)   666663CA  CCCCCCCC  CCCC0000  00000000  00000000  00000000  003CBCCC  CCCCCCCC  C3CACCCC  CCCCCCCC
(    240)   00000000  00000003  CACCCCCC  CCCCCC00  00000000  00000000  00000000  00000000  00000000  00000000
(    280)   00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(    320)   FFFFFC28  37FFFFFF  FFFFC325  A3C3A19A  6B5C316B  E3D632EA  51C2E7FF  FFFFFFFF  FC2E7FFF  FFFFFFFF
(    360)   3CFEE560  6CE8AE00  00000000  00000700  00000000  0001C000  00000000  004D

FILE        2  RECORD     6403  LENGTH      390BYTES
(      0)   3E9CE0AC  60000003  CFCDBE61  219AE9C3  72597421  4F56E3CD  90220849  63F43D7B  035C28F5  C283D786
(     40)   470A3D70  A33D6BC3  EB851EB8  53D5DB3A  E147AE14  3D4DC147  AE147AE3  D3B59999  9999993D  6FE80000
(     80)   000003D5  DD333333  33333D4A  20000000  00C3D1C6  66666666  663CE8CC  CCCCCCCC  C3CBCCCC  CCCCCCCC
(    120)   3D4F5999  99999993  D4CD9999  9999993D  4B433333  333333D4  92333333  33333D3C  4CCCCCCC  CCC3D2EA
(    160)   66666666  663D280C  CCCCCCCC  C3D19000  00000000  3CFACCCC  CCCCCCC3  CEB33333  3333333D  1E999999
(    200)   999993D3  9CCCCCCC  CCCC3CED  99999999  9993CDB3  33333333  33000000  00000000  00000000  00000000
(    240)   3CACCCCC  CCCCCCCC  00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000
(    280)   00000000  00000000  00000000  00000000  00000000  00000000  00000000  00000000  0000003D  59210D43
(    320)   DE5CFC29  516C1DCD  CD9FC312  0A48F00F  EA5C332D  CDA13E59  24C2E7FF  FFFFFFFF  FC2E7FFF  FFFFFFFF
(    360)   3D2C31C0  8F592580  00000000  00000700  00000000  0001D000  00000000  004D

        FILE    INPUT      DATA RECORDS      MAX.          READ ERROR SUMMARY          INPUT RETRIES
                RECS.        INPUT           SIZE       PERM  ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
          2     6403         6404            390         0      0       0      0       0       0

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

```
                1         2         3         4         5         6         7         8         9
      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

75-096A-03A
  CATEGORY 16
                0 D072878 $                                                                                  0
  CATEGORY 20
                0  1COMR.  J.P.  DOERING              JOHN HOPKINS U        BALTIMORE, MD                    0
                1     $                                                                                      1

75-096A-04A                                                  ***    69 WORDS  ***
  CATEGORY  1
                0 75-096A-04A                        $                                                       0
  CATEGORY  2
                0 092578092578$                                                                              0
NEW CATEGORY  4
                0 RPA DATA ON TAPE                   HANSON   A     4   $                                    0
  CATEGORY  5
                0                                                 5L3 $                                        0
  CATEGORY 15
                0  1072878DD    4     $                                                                      0
  CATEGORY 16
                0 D072878 $                                                                                  0
  CATEGORY 20

                1         2         3         4         5         6         7         8         9
      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

                0  1COMR.  W.B.  HANSON               U OF TEXAS, DALLAS    DALLAS, TX                       0
                1     $                                                                                      1

75-096A-07A                                                  ***    69 WORDS  ***
  CATEGORY  1
                0 75-096A-07A                        $                                                       0
  CATEGORY  2
                0 092578092578$                                                                              0
NEW CATEGORY  4
                0 OP.SOURCE-NEUT.M.S.DATA ON TAPE  NIER     A     4   $                                    0
  CATEGORY  5
                0                                                 5L1 $                                        0
  CATEGORY 15
                0  1072878DD    4     $                                                                      0
  CATEGORY 16
                0 D072878 $                                                                                  0
  CATEGORY 20
                0  1COPROF.A.O.C.NIER                 U OF MINNESOTA        MINNEAPOLIS, MN                  0
                1     $                                                                                      1

75-096A-09A                                                  ***    69 WORDS  ***

                1         2         3         4         5         6         7         8         9
      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
```