



#439

ENERGETIC PARTICLE DETECTOR

76-059A-01A

77-007A-01A



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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

1976-059A

1977-007A

ENERGETIC PARTICLE DETECTOR

76-059A-01A SPMS-00385

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
VJP

RAND NO.
RD2051

ACQ. AGENT
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:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
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 <u>coordinates</u> - parallel to earth's dipole 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
	44	Azimuth measured from negative V axis
	45	Second order spherical harmonic coefficient
	46	Fourth order spherical harmonic coefficient
	47	East-west pitch angle anisotropy for low energy protons-channel 1
	48	North-south pitch angle anisotropy for low energy protons-channel 1
	49	Local time. Will be -70. for fill data.
	50	Month
	51	Day
	52	Year

field?

} not clear.

} Ratios?

DUMP OF TAPE X-200

012/

76-059A/27-007A

D-35135

2/28/77-724/5

INPUT TAPE X-200 0 452
DATA INPUT 12 15 2 1 1

FILE	1	RECORD	1	LENGTH	510BYTES
()	175151170223	200000100000	000000000000	000000000000	000000000000
(4)	777777777777	777777777777	777777777777	777777777777	777777777777
(9)	777777777777	777777777777	777777777777	777777777777	777777777777
(144)	777777777777	777777777777	777777777777	777777777777	777777777777
(192)	777777777777	777777777777	777777777777	777777777777	777777777777
(24)	777777777777	777777777777	777777777777	777777777777	777777777777
(2)	777777777777	777777777777	777777777777	777777777777	777777777777
(33)	777777777777	777777777777	777777777777	777777777777	777777777777
(384)	777777777777	777777777777	777777777777	777777777777	777777777777
(432)	777777777777	777777777777	777777777777	777777777777	777777777777
(480)	777777777777	777777777777	777777777777	777777777777	777777777777

FILE	1	RECORD	5014	LENGTH	510BYTES
()	77517735475	600000100000	600000000000	600000000000	600000000000
(48)	344117167241	56642651174	171767360406	11177176056	377777777777
(96)	777777777777	777777777777	777777777777	777777777777	777777777777
(144)	777777777777	777777777777	777777777777	777777777777	777777777777
(192)	777777777777	777777777777	777777777777	777777777777	777777777777
(24)	777777777777	777777777777	777777777777	777777777777	777777777777
(2)	777777777777	777777777777	777777777777	777777777777	777777777777
(33)	777777777777	777777777777	777777777777	777777777777	777777777777
(384)	777777777777	777777777777	777777777777	777777777777	777777777777
(432)	777777777777	777777777777	777777777777	777777777777	777777777777
(480)	777777777777	777777777777	777777777777	777777777777	777777777777

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY	INPUT RETRIES
	RECS.	INPUT	SIZE	PERM ZERO B SHORT UNDEF.	#RECS. TOTAL#
1	5014	5014	383	0 45 2 2	46 47

FILE	2	RECORD	1	LENGTH	510BYTES
()	175151170223	200000100000	000000000000	000000000000	000000000000
(4)	777777777777	777777777777	777777777777	777777777777	777777777777
(9)	777777777777	777777777777	777777777777	777777777777	777777777777
(144)	777777777777	777777777777	777777777777	777777777777	777777777777
(192)	777777777777	777777777777	777777777777	777777777777	777777777777
(24)	777777777777	777777777777	777777777777	777777777777	777777777777
(2)	777777777777	777777777777	777777777777	777777777777	777777777777
(33)	777777777777	777777777777	777777777777	777777777777	777777777777
(384)	777777777777	777777777777	777777777777	777777777777	777777777777
(432)	777777777777	777777777777	777777777777	777777777777	777777777777
(480)	777777777777	777777777777	777777777777	777777777777	777777777777

FILE	2	RECORD	5194	LENGTH	510BYTES
()	17516042355	6337402450	25766063267	37576362742	171541635206
(4)	34417155434	345271515014	455770466756	777777777777	777777777777
(9)	777777777777	777777777777	777777777777	777777777777	777777777777
(144)	777777777777	777777777777	777777777777	777777777777	777777777777
(192)	777777777777	777777777777	777777777777	777777777777	777777777777
(24)	777777777777	777777777777	777777777777	777777777777	777777777777
(2)	777777777777	777777777777	777777777777	777777777777	777777777777
(33)	777777777777	777777777777	777777777777	777777777777	777777777777
(384)	777777777777	777777777777	777777777777	777777777777	777777777777
(432)	777777777777	777777777777	777777777777	777777777777	777777777777
(480)	777777777777	777777777777	777777777777	777777777777	777777777777

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY	INPUT RETRIES
	RECS.	INPUT	SIZE	PERM ZERO B SHORT UNDEF.	#RECS. TOTAL#
2	6194	6194	383	0 12 0 0	13 14

SEND DO
\$ASS IN MS1
\$EXE DUMPTP BS

DUMP OF TAPE X-399

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

D-33560
ENERGETIC PART DET
7/28/77 - 7/29/77

FILE	1	RECORD	1	LENGTH	390	BYTES
(0)	3E9872FD	24000000	00000000	00000002	E7FFFFFF	FFFFFFC2E
(40)	D70A3D70	A33D3EFA	E147AE14	73D38E8F	5C28F5C2	3D290A3D
(80)	000003D3	DE666666	66663D2D	E6666666	6663D28B	33333333
(120)	3D1DE666	66666663	D184CCCC	CCCCCCC3D	0A333333	333333CF
(160)	66666666	66666666	CCCCCCCC	C3C8CCCC	CCCCCCCC	3C8CCCCC
(200)	000003CA	CCCCCCCC	CCCC3CAC	CCCCCCCC	CCCCCCCC	00000000
(240)	3C8CCCCC	CCCCCCCC	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000
(320)	FFFFFFC28	37FFFFFF	FFFFFC32D	7B1729E3	003C3172	4244233B
(360)	C2973FFF	FFFFFFF0	00000000	00000700	00000000	0001C000

FILE	1	RECORD	6030	LENGTH	390	BYTES
(0)	3E9E18B3	50000000	00000000	00000002	E7FFFFFF	FFFFFFC2E
(40)	C8F5C28F	5C3D6ACB	0A3D70A3	D3D5F53D	70A3D70A	3D594AE1
(80)	999993D5	C6800000	00003D3D	8CCCCCCC	CCC3D1DB	33333333
(120)	3D4A5666	66666663	D3E40000	0000003D	3AECCCCC	CCCCC3D3
(160)	99999999	993D1A99	99999999	93D0B333	33333333	3CEE6666
(200)	000003D0	F6666666	66663CF9	99999999	9993CD99	99999999
(240)	00000000	00000000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000
(320)	FFFFFFC28	37FFFFFF	FFFF3CF9	226F5697	8A8C3339	B614848F
(360)	3D38DA7E	B1C953C0	00000000	00000800	00000000	00001000

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 0

FILE	2	RECORD	1	LENGTH	390	BYTES
(0)	3E987286	00000000	00000000	00000002	E7FFFFFF	FFFFFFC2E
(40)	C28F5C28	F53D3E27	AE147AE1	43D2FDEB	851EB851	3D2835C2
(80)	666663D4	B3333333	33333D3C	33333333	33333333	33333333
(120)	3D2D9999	99999993	D284CCCC	CCCCCCC3D	29CCCCC	CCCCC3D1
(160)	33333333	333CDE66	66666666	63CDE666	66666666	3CC99999
(200)	666663CA	CCCCCCCC	CCCC0000	00000000	00000000	00000000
(240)	00000000	00000003	CACCCCC	CCCCCCCC	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000
(320)	FFFFFFC28	37FFFFFF	FFFFFC325	A3C3A19A	6B5C316B	E3D632EA
(360)	3CFEE56D	6CE8AED0	00000000	00000700	00000000	0001C000

FILE	2	RECORD	6403	LENGTH	390	BYTES
(0)	3E9CE0AC	60000003	CFCDBE61	219AE9C3	72597421	4F56E3CD
(40)	470A3D70	A33D6BC3	EB851EB8	53D5DR3A	E147AE14	3D4DC147
(80)	000003D5	DD333333	33333D4A	20000000	00C3D1C6	66666666
(120)	3D4F5999	99999993	D4CD9999	9999993D	4B433333	333333D4
(160)	66666666	663D280C	CCCCCCCC	C3D19000	00000000	3CFACCCC
(200)	999993D1	9CCCCCCC	CCCC3CED	99999999	9993CD83	33333333
(240)	3CACCCCC	CCCCCCCC	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000
(320)	DE5CF029	516C1D0D	CD9FC312	0A48F00F	EA5C332D	CDA13E59
(360)	3D2C31C0	8F59258D	00000000	00000700	00000000	0001D000

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 0

EOJ

DUMP STOPPED AFTER FILE 2

OF PERMANENT READ ERRORS 0

DATE: 9/25/78

17:50:54

EDIT LISTING OF THE TST

FILE

PAGE 96

1 2 3 4 5 6 7 8 9
12345678901234567890123456789012345678901234567890123456789012345678901234567890

75-096A-03A

CATEGORY 16

CATEGORY 20

0 D072878 \$

0 1COMR. J.P. DOERING
1 \$

JOHN HOPKINS U

BALTIMORE, MD

75-096A-04A

CATEGORY 1

CATEGORY 2

CATEGORY 4

CATEGORY 5

CATEGORY 15

CATEGORY 16

CATEGORY 20

*** 69 WORDS ***

0 75-096A-04A

0 092578092578\$

0 RPA DATA ON TAPE

HANSON A 4 \$

5L3 \$

0 1072878DD 4 \$

0 D072878 \$

1 2 3 4 5 6 7 8 9
1234567890123456789012345678901234567890123456789012345678901234567890

0 1COMR. W.B. HANSON
1 \$

U OF TEXAS, DALLAS

DALLAS, TX

75-096A-07A

CATEGORY 1

CATEGORY 2

CATEGORY 4

CATEGORY 5

CATEGORY 15

CATEGORY 16

CATEGORY 20

*** 69 WORDS ***

0 75-096A-07A

0 092578092578\$

0 OP.SOURCE-NEUT.M.S.DATA ON TAPE NIER A 4 \$

5L1 \$

0 1072878DD 4 \$

0 D072878 \$

0 1COPROF.A.O.C.NIER
1 \$

U OF MINNESOTA

MINNEAPOLIS, MN

75-096A-09A

*** 69 WORDS ***

1 2 3 4 5 6 7 8 9
1234567890123456789012345678901234567890123456789012345678901234567890