

#380

IMP H & J  
HOURLY AVERAGES

72-073A-08J, 08K, ~~06C, 06D~~  
73-078A-03D, 07D, 08B, 08D, 09A, 09B, 06C, 06D

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

LOW ENERGY PROTONS (.16-.22 MEV)

73-078A-03D

SPHE-00361

This data set has been restored. There were originally three 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 tapes were created on a IBM 360 computer. The DR and DS number along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03746	DS03746	D42420	1-48	01/01/76 - 12/30/79
		D63406	49-96	01/02/80 - 12/31/83
		D78151	97-189	01/01/84 - 09/01/91

IMP-J

HOURLY AVERAGED ELECTRONS 1-5 MEV

73-078A-06C

SPHE-00360

This data set has been restored. There was originally one 9-track, 800 BPI tape written in EBCDIC. There is one restored tape written in EBCDIC. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tape was created on an IBM 360 computer. The DR and DS numbers along with the corresponding D number and the time span is as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03723	DS03723	D43010	64	08/01/75 - 12/31/80

TAPE CHARACTERISTICS AND FORMAT FOR

IMP-J HOURLY AVERAGED ELECTRON DATA 1-5 MEV (73-078A-06C)

IMP-J HOURLY AVERAGED ELECTRON DATA 4-12.5 MEV (73-078A-06D)

These tapes are 9-track, 6250 bpi, EBCDIC and contain 53 files.

COLUMN	FORMAT	ITEM
1-2	I2	Year (Last 2 digits)
3-5	I3	Day of Year
6-7	I2	Hour of Day (0-23)
8	I1	Spacecraft (7=IMP-H) (8=IMP-J)
9-10	A2	Channel (E-1 for 1-5 MEV) (E-2 for 4-12.5 MEV)
11-19	E9.3	Flux 1/(cm**2.s.sr.MEV)



IMP-J

HOURLY AVERAGED PROTONS 4-12.5 MEV

73-078A-06D

SPHE-00695

This data set has been restored. There was originally one 9-track, 800 BPI tape written in EBCDIC. There is one restored tape written in EBCDIC. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tape was created on an IBM 360 computer. The DR and DS numbers along with the corresponding D number and the time span is as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03724	DS03724	D43011	65	08/01/75 - 12/31/80

*Refer to 73-078A-06C*

IMP-H

HOUR AVERAGE 1-2,14-25 MEV PROTON FLUX, TAPE

72-073A-08J

SPMS-00315

This data set has been restored. There were originally 2 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tapes were created on a Modcomp computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03722	DS03722	D29191	1-22	08/01/75 - 09/30/76
		D33379	23-33	06/01/77 - 05/07/78

*Refer to 73-078A-08B*

IMP-H, J

Merged Hour Average 1-2,14-25 Mev Flux Plot

72-073A-08K (IMP-H)

SPHE-00694

73-078A-08D (IMP-J)

This data set has been restored. There was originally 1 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 tape was created on a 360 computer. The DR and DS numbers along with the corresponding D numbers and the time spans is as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR03648	DS03648	D33375	1-18	08/01/75 - 06/30/77
		D33376	19-32	07/01/77 - 08/31/78

*Refer to 73-078A-08B*

IMP-J

HOURLY AVGD ALPHA PART (11-90 MEV)

73-078A-07D

SPHE-00214

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED 2  
9-TRACK, 6250 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 TAPE WAS CREATED ON AN IBM 360  
COMPUTER AND WAS 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
DR003830	DS003830	D043012	1-54	08/01/75 - 04/29/80
		D078152	55-148	03/14/83 - 12/31/90
			149-161	04/01/91 - 04/30/92

REQ. AGENT

RAND NO.

ACQ. AGENT

VJP

RC7557

CDW

RD1806

RD2977

IMP H & J

HOURLY AVERAGES

72-073A-08J, 08K

73-078A-03D,07D,08B,08D,09A,09B, 6C, 6D

This data set catalog consists of 2 IMP-H, 11 IMP-J and 2 IMP H/J tapes. The data are card images created on the MODCOMP IV computer. Each file contains 1 month of data. The 'D' and 'C' numbers and time spans follow. Tape characteristics and formats are attached.

IMP-H 72-073A-08J *RESTORED*

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-29191	C-18784	22	08/01/75 - 05/31/77
D-33379	C-20402	11	06/01/77 - 05/07/78

IMP-J 73-078A-03D *RESTORED*

D-42420	C-21214	48	01/01/76 - 12/30/79
D-63406	C-24064	39	01/02/80 - 12/31/83
D-75181	C-26712	60	01/01/84 - 12/31/88

IMP-H/J 72-073A-08K/73-078A-08D *RESTORED*

D-33375	C-20351	18	08/01/75 - 06/30/77
D-33376	C-20352	14	07/01/77 - 08/31/78

IMP-J 73-078A-07D *RESTORED*

D-43012	C-21277	54	08/01/75 - 12/31/79, 04/01/80 - 04/30/80
D-78152	C-26713	76	03/01/83 - 06/30/89

IMP-J 73-078A-08B

*Restored*

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-29192	C-18785	22	08/01/75 - 05/31/77
D-33377	C-20360	15	06/01/77 - 08/31/78
D-35091	C-20696	16	09/01/78 - 12/21/79
D-44948	C-21431	60	01/02/80 - 12/31/84
D-72767	C-25529	53	01/01/85 - 05/31/89

IMP-J 73-078A-09A

D-42421	C-21215	52	08/01/75 - 02/21/76, 05/01/76 - 12/31/79
D-63407	C-24065	48	01/01/80 - 12/31/83
D-78149	C-26710	49	11/01/84 - 11/30/88

IMP J 73-078A-09B

D-42422	C-21216	52	08/01/75 - 12/31/79
D-63408	C-24066	48	01/01/80 - 12/31/83
D-78150	C-26711	56	04/01/84 - 11/30/88

IMP J 73-078A-06C

*RESTORED*

D-43010	C-21275	53	08/01/75 - 12/31/80
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IMP-J 73-078A-06D

*RESTORED*

D-43011	C-21276	53	08/01/75 - 12/31/80
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TAPE CHARACTERISTICS AND FORMAT FOR:

73-078A-09A, 09B  
20-40 MEV AND 40-80 MEV HIGH ENERGY PROTON DATA

The tapes are 9 track, 1600 BPI, <sup>ASCII</sup> ~~EBCDIC~~. First 80 bytes on each physical record contain data (4 logical data records). The last 240 bytes are blank.  
BLKSIZE=320, LRECL=20.

<u>BYTES*</u>	<u>FORMAT</u>	<u>ITEM</u>
1-2	A2	Year
3-5	A3	Day of Year (Jan 1 = DAY 1)
6-7	A2	Hour of day
8	A1	Spacecraft (7-IMP-H) (8-IMP-J)
9-10	A2	Data type (P5 for 20-40 MEV) (P6 for 40-80 MEV)
11-19	A9	High Energy Proton
20	A1	Blank

\*First byte on logical record is Byte 1.

IMP-J

HOUR AVERAGE 1-2,14-25 MEV PROTON FLUX, TAPE

73-078A-08B

SPHE-00086

This data set has been restored. There were originally five 9-track, 1600 BPI tapes written in ASCII. There are two restored tapes. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The tapes were created on a Modcomp computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03747	DS03747	D29192	1-22	08/01/75 - 05/31/77
		D33377	23-37	06/01/77 - 08/31/78
		D35091	38-53	09/01/78 - 12/21/79
		D44948	54-113	01/02/80 - 12/31/84
DR03773	DS03773	D72767	1-82	01/01/85 - 10/23/91



TAPE CHARACTERISTICS AND FORMAT FOR:

72-073A-08J, 73-078A-08B,  
72-073A-08K/73-078A08D

The tapes are 1600 BPI, 9-track, ASCII and are multifiled.

<u>COLUMN</u>	<u>FORMAT</u>	<u>ITEM</u>
1-2	I2	Year
3-5	I3	Day of Year
6-7	I2	Hour of Day (0-23)
8	I1	Spacecraft (7-IMP-H) (8-IMP-J)
9-10	A2	Channel (P-2) .97-1.83 mev
11-19	E9.3	Flux
20-21	I2	Year
22-24	I3	Day of Year
25-26	I2	Hour of Day (0-23)
27	I1	Spacecraft (7-IMP-H) (8-IMP-J)
8-29	A2	Channel (P-4) 13.7-25.2 mev
30-38	E9.3	Flux

IMP-J

1 HOUR AVGD, 20-40 MER PROTON FLUX

73-078A-09A

SPHE-00693

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY THREE 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 WERE 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#	D#	FILES	TIME SPAN
DR004936	DS004936	D042421	1-52	08/01/75 - 12/31/79
		D063407	53-114	01/01/80 - 12/31/83
		D078149	115-183	11/01/84 - 07/31/90

IMP-J

1 HOUR AVGD, 40-80 MER PROTON FLUX

73-078A-09B

SPHE-00505

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY THREE 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 THEY WERE 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
DR004937	DS004937	D042422	1-52	09/01/75 - 12/31/79*
		D063408	52-114	01/01/80 - 12/31/83
		D078150	115-190	04/01/84 - 07/31/90

I/O ERRORS ON D042422 FILE 1, REC 61,152  
FILE 6, REC 5, 98

DUMP OF TAPE X-205

INPUT TAPE X-2.5 ON MT1  
 DATA INPUT H9 NF 16 SR 16 1 3 SR 16 LAST 3

file 16 of  
 D-35091

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	585	585	80	0	0	0	0	0	0

FILE	16 RECORD	1 LENGTH	80BYTES							
( 0)	37393333	35203038	5032352E	37333145	20303037	39333335	20303850	34322E32	37344520	30342020
( 4)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020

FILE	16 RECORD	2 LENGTH	80BYTES							
( 0)	37393333	35203138	5032372E	30313145	20303037	39333335	20313850	34302E30	20202020	20202020
( 4)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020

FILE	16 RECORD	3 LENGTH	80BYTES							
( 0)	37393333	35203238	5032342E	33393045	20303037	39333335	20323850	34312E38	35324520	30342020
( 4)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020

FILE	16 RECORD	417 LENGTH	80BYTES							
( 0)	37393335	35203338	5032372E	32353545	20303137	39333535	20333850	34312E30	30374520	30322020
( 4)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020

FILE	16 RECORD	418 LENGTH	80BYTES							
( 0)	37393335	35203438	5032352E	38373345	20303137	39333535	20343850	34362E39	38384520	30332020
( 4)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020

FILE	16 RECORD	419 LENGTH	80BYTES							
( 0)	37393335	35203538	5032352E	30393745	20303137	39333535	20353850	34382E31	39354520	30332020
( 4)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
16	419	422	80	PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
READ ERROR #	1	FILE #	12	RECORD #	8				

EOJ DUMP STOPPED AFTER FILE 16 # OF PERMANENT READ ERRORS 1

START TIME 06/13/80 11:45:04 STOP TIME 06/13/80 11:47:29

DUMP OF TAPE X-401

D-3509/  
9/01/78 - 3/20/79  
12/21

INPUT TAPE X-401 ON MS2  
DATA INPUT H2 NF 7 EI 1 1 1 SR 7 1 1 SR 7 LAST 1

FILE	RECORD	LENGTH	80BYTES
( 0)	37383234	34203638	5032352E 31333745 20303237 38323434 20363850 34302E30 20202020 20202020
( 40)	20202020	20202020	20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020

FILE	RECORD	LENGTH	80BYTES
( 0)	37383237	33323338	5032312E 33393945 20303037 38323733 32333850 34352E31 36374520 30332020
( 40)	20202020	20202020	20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES		
					PERM	ZERO	B	SHORT	UNDEF.	#RECS.	TOTAL#
1	585	586		80	0	0	0	0	0	0	0

FILE	RECORD	LENGTH	80BYTES
( 0)	37392036	30203038	5032352E 30343045 20303137 39203630 20303850 34312E32 35374520 30332020
( 40)	20202020	20202020	20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020

FILE	RECORD	LENGTH	80BYTES
( 0)	37392039	30323238	5032362E 32303345 20303037 39203930 32323850 34332E33 30334520 30342020
( 40)	20202020	20202020	20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020 20202020

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES		
					PERM	ZERO	B	SHORT	UNDEF.	#RECS.	TOTAL#
7	666	667		80	0	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 7 # OF PERMANENT READ ERRORS 0

START TIME 10/01/79 14:52:02 STOP TIME 10/01/79 14:53:00