

#701

IMP-J

PLASMA DISTRIBUTION FUNCTIONS ~~IN~~ ~~THE~~

73-078A-04D

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

REQ. AGENT

RLR
CMW

ACQ. AGENT

JHK

IMP-J

PLASMA DISTRIBUTION FUNCTIONS ON TAPE

73-078A-04D SPMS-00168

This data set catalog contains of 6 multi-filed tapes. The original tapes are 9-track, 6250 bpi, binary, created on a VAX computer. Each word contains 32 bits with 272 words per logical record and 10 logical records per physical record. There are two successive EOF marks at the end of the last data file. The backup tapes are 3480 cartridges. The D and C numbers and time span are as follows:

D#	C#	FILES	TIME SPAN
-----	-----	-----	-----
D-83261	C-28070	08	01/10/78 - 12/05/78
D-86635	C-29392	02	01/08/79 - 12/26/79
D-83818	C-28352	07	03/12/80 - 12/27/80
D-84201	C-28353	01	10/25/82 - 12/28/82
D-86636	C-29393	02	01/09/83 - 12/16/83
D-86637	C-29394	02	04/06/86 - 06/10/86

From: IOWASP::SYSCDA 9-MAY-1991 14:57:34.82
To: HUANG
CC:
Subj: imp archiving

Documentary information for the tape labeled NSSDC IMP-8 MAGNETOTAIL
ARCHIVE. Created at the University of Iowa May 1991.

PROGRAM IMPARCHREAD

```
*****  
*                                                                 *  
* PROGRAM: IMPARCHREAD                                         *  
* WRITTEN BY: FUCHIH CHEN, APRIL 1990                          *  
* SLIGHTLY MODIFIED BY: CHARLES ASHBACHER MARCH 1991         *  
* PURPOSE: TO READ IMP ARCHIVING TAPE TO OUTPUT FILE FOR012.DAT. *  
*                                                                 *  
*****
```

```
CHARACTER*20 FNAME  
DIMENSION DOUT(272)  
DATA FNAME /' IMP DATA ARCHIVING '/  
IREC = 100  
ISIZE = 272 * 4  
IDENS = 6250  
NEOF = 2  
NBYTES = 10880  
CALL TP_BOPEN (2,FNAME,NBYTES,IDENS,NEOF)  
ITEMP = 0  
20 DUMMY=0  
21 CALL TP_BREAD (2,DOUT,ISIZE,ISTAT)  
GO TO (30,21,21,21,100),ISTAT  
30 WRITE (12,40) INT(DOUT(1)),INT(DOUT(2)),INT(DOUT(3)),  
* INT(DOUT(4)),(DOUT(I),I=5,16)  
40 FORMAT(/,1X,I2,2X,I2,2X,I3,2X,I7,2X,4(F6.2,2X),F7.3,  
* 2X,4(F6.0,1X),1PE9.2,2X,OPF6.0,2X,OPF6.0)  
WRITE (12,50) (DOUT(J),J=17,272)  
50 FORMAT(/,1X,16(1P16E8.1,/))  
ITEMP = ITEMP + 1  
IF(ITEMP.EQ.IREC) GOTO 100  
GO TO 20  
100 CALL TP_BCLOSE (2)  
STOP  
END
```

DATA ORGANIZATION:

- .1 physical record equals 10 logical records on tape.
- .Tape density = 6250 cpi.
- .Tape type: 9-track.
- .Two successive EOF marks at the end of tape.
- .Word length: 32 bits of data type real.
- .Logical record length: 272 words.
- .Logical record structure:

Word No.	Item Description
1	1 or 2. (1 means Proton data, 2 means Electron data.)
2	Year(in 2 digits.)
3	Day of the Year(in 3 digits.)
4	HR, MIN, SEC AS A 6 DIGIT NUMBER

HR * 10000 + min * 100 + SEC

5	XSM
6	YSM
7	ZSM
8	DZFM
9	DEN
10	VX for Proton data. -999 for Electron data.
11	VY for Proton data. -999 for Electron data.
12	DVX for Proton data. -999 for Electron data.
13	DVY for Proton data. -999 for Electron data.
14	ECM(Temperature in eV)
15	-999
16	-999
17 - 32	data for sector 1 - 16 at energy level 1
33 - 48	data for sector 1 - 16 at energy level 2
49 - 64	data for sector 1 - 16 at energy level 3
65 - 80	data for sector 1 - 16 at energy level 4
61 - 96	data for sector 1 - 16 at energy level 5
97 -112	data for sector 1 - 16 at energy level 6
113-128	data for sector 1 - 16 at energy level 7
129-144	data for sector 1 - 16 at energy level 8
145-160	data for sector 1 - 16 at energy level 9
161-176	data for sector 1 - 16 at energy level 10
177-192	data for sector 1 - 16 at energy level 11
193-208	data for sector 1 - 16 at energy level 12
209-224	data for sector 1 - 16 at energy level 13
225-240	data for sector 1 - 16 at energy level 14
241-256	data for sector 1 - 16 at energy level 15
257-272	data for sector 1 - 16 at energy level 16

(Energy level 16 should generally be ignored - note that it is not listed in the energy range given below.)

Every Proton logical data record is followed by an Electron logical data record with the same Time and Orbital Position data. From word 17 to 272 invalid data may appear with value -999.

The angles (in degrees) corresponding to the sectors are as follows:

Sector	Angle range	Center of sector
1	338-1	349.5
2	1-23	12
3	23-46	34.5
4	46-68	57
5	68-91	79.5
6	91-113	102
7	113-136	124.5
8	136-158	147
9	158-181	169.5
10	181-203	192
11	203-226	214.5
12	226-248	237
13	248-271	259.5
14	271-293	282
15	293-316	304.5
16	316-338	327

The energies (in eV) corresponding to the levels for the protons are:

Sector	Energy
1	5.73e+1
2	8.40e+1
3	1.24e+2
4	2.29e+2
5	3.32e+2
6	5.0e+2
7	9.89e+2
8	1.29e+3
9	2.29e+3
10	4.32e+3
11	6.63e+3
12	9.13e+3
13	1.62e+4
14	2.29e+4
15	3.77e+4

The energies (in eV) corresponding to the levels for the electrons are:

Sector	Energy
1	6.63e+1
2	9.72e+1
3	1.44e+2
4	2.65e+2
5	3.85e+2
6	5.79e+2
7	1.15e+3
8	1.49e+3
9	2.65e+3
10	4.99e+3
11	7.67e+3
12	1.06e+4
13	1.88e+4
14	2.65e+4
15	4.36e+4

From: NCF::KING 16-MAY-1991 15:49:06.74
To: IOWASP::HUANG, IOWASP::SYSCDA
CC: POST
Subj: IMP-8 LEPDEA flux tapes

Thanks very much for the first of the IMP-8 LEPDEA Flux tapes which arrived at NSSDC today. Ralph Post of the NSSDC staff will be checking out the tape, and we'll let you know if we have any problems. Meanwhile, a few easy questions on the tape contents:

Word 8, DZFM = (?) distance of s/c above/below a model neutral sheet? If so, what model? same units as words 5-7 I assume. We'll determine what these units are (Re or km) by looking at data values.

Words 12 & 13, DVX and DVY = ???

The bulk parameters are determined by taking moments of the distribution function?

Words 17 - 272. The data are counts per accumulation period? or counts per second? or actually fluxes?

Do you have any discussion of these data that would be appropriate for sending out with the data? For instance, that would discuss whether and under what conditions you excluded data, or what your estimates of uncertainties in the bulk parameters are, etc.

Regards, and thanks again,

Joe King

From: NCF::KING 16-MAY-1991 16:32:05.15
To: POST
CC:
Subj: some clarifications from Cheryl, to append to format

From: IOWASP::HUANG 16-MAY-1991 16:21:02.24
To: NSSDCA::KING,SYSCDA
CC:
Subj: Reply

Joe,

I received your mail message. Answers to your questions:

Word 8 is the distance to the neutral sheet calculated from the Fairfield model which is relevant to IMP distances. Units are RE.

DVX and DVY are the uncertainties in VX and VY, the velocity in the X and Y directions, respectively.

Yes, the bulk parameters are derived from the distribution function (see note below about assumptions).

The data are distribution function values $f(V_x, V_y)$ in units of number of particles \times seconds³ \times cm⁶. Hence an integration over velocity space gives the number density, etc.

Basically I put in the times when IMP was in the magnetotail and counts were above threshold. The uncertainty in our measurements is mainly dependent on the calibration factors, which fluctuate. However we have determined the calibration numbers for each day we ended up archiving, so as to minimize this variation. The other source of uncertainty is in the estimates of the moments - we make the assumption that we can integrate over the unit sphere, while the 2-d instrument only measures in the spin plane. This is usually a good assumption in the magnetosphere, but in the case of cold beams, say, the density and temperature are usually overestimated. I would add a note to the user recommending that the energy-time slides be used with the archived data - they give an overall picture of the data which is a useful adjunct.

Hope this is of use,
Cheryl

10.01.21 JOB01356 IRR010I USERID XRINC IS ASSIGNED TO THIS JOB.
 10.01.22 JOB01356 IEF677I WARNING MESSAGE(S) FOR JOB XRINCHX1 ISSUED
 10.01.23 JOB01356 IEF677I WARNING MESSAGE(S) FOR JOB XRINCHX1 ISSUED
 10.01.23 JOB01356 ICH7000I XRINC LAST ACCESS AT 09:54:09 ON FRIDAY, NOVEMBER 20, 1992
 10.01.23 JOB01356 \$HASP373 XRINCHX1 STARTED - INIT 14 - CLASS A - SYS S90E
 10.01.23 JOB01356 IEF403I XRINCHX1 - STARTED - TIME=10.01.23
 10.01.26 JOB01356 COMPLETED -- XRINCHX1/LINK PGM=IEWL RC=0000
 10.01.28 JOB01356 *IEF233A M 5A2,NC1197,,XRINCHX1,GO
 10.02.52 JOB01356 IEF234E K 5A2,NC1197,PVT,XRINCHX1,GO
 10.02.52 JOB01356 KEC209I VOL=NC1197,UNIT=5A2, TR=000,TW=000,EG=000,CL=000,N=000,SIO=06008,
 10.02.52 JOB01356 COMPLETED -- XRINCHX1/GO PGM=PGM=x.DD RC=0000
 10.02.54 JOB01356 NOTIFY 11/20/92 10:02am XRINCHX1(01356) ended: LINK 0000 GO 0000
 10.02.54 JOB01356 COMPLETED -- XRINCHX1/NOTIFY PGM=IKJEFT01 RC=0000
 10.02.54 JOB01356 IEF404I XRINCHX1 - ENDED - TIME=10.02.54
 10.02.54 JOB01356 \$HASP395 XRINCHX1 ENDED

----- JES2 JOB STATISTICS -----

20 NOV 92 JOB EXECUTION DATE

70 CARDS READ

1,144 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

107 SYSOUT SPOOL KBYTES

1.52 MINUTES EXECUTION TIME

79
 4843 | 8
 0043 |

79
 9843 | 360
 8444 |

1/8/79 - 12/16/79

2 files

NC 1197

\$ REAL
VAX

IMP-5
 4-8663R
 C-39393

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9B1897D0	CF17C9C0	9B1897D0	CF17C9C0	4F18C9C0	4F18C9C0	4F18C9C0	4F18C9C0	00000000	D217263C	3216CFD4
1B1831C3	9B1831C3	9B1831C3	9B1831C3	9B1731C3	9B1731C3	9B1731C3	1B1831C3	9B1731C3	00000000	9B1731C3
9B1731C3	00000000	1B1831C3	1118DD6B	B117793C	00000000	E51897CC	83185650	A4186A24	C41881F8	00000000
03185650	03185650	83175650	83185650	03185650	441881F8	A4186A24	83185650	83175650	3C18B340	00000000
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6E1880F0	54170164	D4160164	00000000	00000000	D4170164	D4160164	D4160164	D4160164	9F17004B	00000000
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2115A477	2115A477	00000000	00000000	00000000	2115A477	2115A477	A115A477	2115A477	96155BBF	00000000
CC155EAB	C415CF7C	00000000	6515498C	99143008	19153008	BF153D4A	99143008	00000000	00000000	00000000
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26144CB1	00000000	A612A575	00000000	00000000	ED133BFE	00000000	00000000	00000000	ED133BFE	00000000
6D133BFE	00000000	00000000	00000000	00000000	00000000	6D133BFE	4E136864	00000000	00000000	00000000
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79C500C0	79C500C0	261089FF	DF130F6E	7710F974	7710F974	00000000	00000000	00000000	00000000	00000000
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0C0F0C03	C90EFE9D	910EC59C	860E5469	A80EA803	490EFE9D	BE0E8B6A	160F4ED7	980E2DA8	420F52BE	00000000
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C609B03B	C70D1E99	00000000	00000000	0D0BE1B5	00000000	8D0AE1B5	00000000	0D0BE1B5	00000000	00000000
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D-86635

(2)

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7C42D571	8F423C3A	D83E2FE5	67C43483	20437AF5	93434FDD	DB423736	1B45F69D	79C500C0	79C500C0	79C500C0
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9B187AE3	691936D5	9B197AE3	3F19B1E0	1D186390	A31824D0	83178C6B	45185321	83178C6B	00000000	00000000
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1710560A	00000000	00000000	00000000	970F560A	00000000	00000000	00000000	00000000	00000000	00000000
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00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	800EBDD5
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330D405C	330D405C	00000000	B30C405C	00000000	B30C405C	B30C405C	00000000	F60C828B	830E9A31	00000000
00000000	00000000	050C534E	00000000	850C534E	850C534E	00000000	050C534E	050C534E	050C534E	050C534E
050C534E	050C534E	00000000	F60B7034	890AF254	420EBD1E	00000000	00000000	00000000	2C0BBB95	00000000
00000000	00000000	00000000	AC0BBB95	00000000	00000000	AC0BBB95	2C0BBB95	00000000	00000000	00000000
C60AB940	820DC5B6	00000000	00000000	00000000	00000000	00000000	8D0A40D3	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	1709FA68	B50CE550	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	080C1663	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	2009A1C1	00000000	620B12D2	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	A60AF945	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	C30926B2	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	8A0669A1	2E095610	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

D-86635
Last page

DUMP OF TAPE BOUT100

INPUT TAPE BOUT100 ON FT1
DATA INPUT H9 NF 8 SR 1 1 1 SR 8 LAST 1

IMP J
b-83261
C-28070

43244 → 104.

FILE	1	RECORD	78	1	LENGTH	10880	104	BYTES												
(1)	80400000	BC430000	10420000	00430000	A2C2F271	B3423B68	E7C13FDD	55C29C3A	A23F0EE9	07C49E31										
(4)	9042A0C3	E8C2F844	9842731A	17459B97	79C50000	79C50000	00000000	00000000	00000000	00000000										
(8)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(12)	00000000	00000000	4318DAF0	0A18195F	00000000	00000000	00000000	00000000	00000000	00000000										
(16)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(20)	211A926A	A118926A	A118926A	5718C338	00000000	00000000	00000000	00000000	00000000	00000000										
(24)	00000000	0717C338	2119926A	271A534D	9819A9E4	381A95AE	621A59EA	F218F903	A118B15C	A117315C										
(28)	00000000	7218090B	7218090B	00000000	A118B15C	A118B15C	A118B15C	2118B15C	F218090B	4E1A8C1D										
(32)	F5167811	3F19FC48	C319B18C	J818D508	AA18JA0B	4C183E0D	8817D508	8818D508	00000000	8817D508										
(36)	8817D508	CC183E0D	8817D508	4C183E0D	AA18JA0B	4518C0CB	8E1824DA	5016EEB3	1D18AE0B	E8188691										
(40)	D118E864	9D18AE0B	5117E864	00000000	D117E864	5118E864	5117E864	00000000	00000000	5117E864										
(44)	D117E864	3717633E	2017875E	E917FABB	00000000	09182984	5C17A706	DC16A706	DC16A706	00000000										
(48)	00000000	00000000	00000000	00000000	5C17A706	DC16A706	DC16A706	5C17A706	9E176226	00000000										
(52)	9816D4C5	00000000	00000000	00000000	1817D4C5	00000000	00000000	00000000	00000000	9816D4C5										
(56)	1817D4C5	9816D4C5	1817D4C5	0F17B03B	00000000	2116A742	8116F416	C1166EA2	00000000	00000000										
(60)	8116F416	0116F416	00000000	00000000	00000000	00000000	00000000	00000000	00000000	8116F416										
(64)	99147F21	00000000	00000000	00000000	00000000	00000000	00000000	2715A545	00000000	00000000										
(68)	2715A545	2715A545	2715A545	2715A545	00000000	00000000	00000000	00000000	00000000	00000000										
(72)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(76)	9E148F88	8A141ABC	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(80)	2C1463AF	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	2C1463AF										
(84)	7613818C	7613818C	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(88)	7613818C	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(92)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(96)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(100)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(104)	00000000	C241A7BC	C241A7BC	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(108)	00000000	00000000	00410000	9C430000	10420000	00000000	00000000	A2C2F271	B3423B68	E7C13FDD										
(112)	853F8275	79C50000	79C50000	79C50000	79C50000	0E45E019	79C50000	79C50000	2E115CE3	EF133C94										
(116)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(124)	9C0FF957	00000000	9C0FF957	00000000	00000000	00000000	00000000	00000000	00000000	9C0FF957										
(128)	1D10BC91	AC1252F8	900E8369	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(132)	00000000	100F8369	00000000	00000000	000F8369	540F151C	A611489F	9A132BF1	9C0E2FF2	00000000										
(136)	780D1A1D	00000000	780D1A1D	00000000	00000000	00000000	00000000	00000000	00000000	780D1A1D										
(140)	FB0D1A1D	77CE8E31	D90D88B1	1E10E89C	00000000	1F0D7A8C	00000000	00000000	00000000	00000000										
(144)	00000000	00000000	1F0D7A8C	1F0D7A8C	00000000	00000000	00000000	00000000	00000000	00000000										
(148)	00000000	B90C70A8	00000000	00000000	00000000	390D70A8	B90C70A8	B90C70A8	B90C70A8	00000000										
(152)	B90C70A8	B90C70A8	B90C70A8	330D865C	00000000	000E6F5C	CE0CD4FA	890C8EFC	090C8EFC	00000000										
(156)	00000000	090C8EFC	090C8EFC	00000000	090C8EFC	090C8EFC	090C8EFC	00000000	090C8EFC	00000000										
(160)	730C9EBF	AD0EE968	00000000	00000000	320B07A5	00000000	050CC4FB	00000000	320B07A5	00000000										
(164)	B20B07A5	00000000	320B07A5	320B07A5	320B07A5	A70B4E7D	060A7D00	D10D564F	00000000	920A0ECE										
(168)	920A0ECE	920A0ECE	00000000	00000000	120B0ECE	920A0ECE	00000000	920A0ECE	920A0ECE	920A0ECE										
(172)	00000000	00000000	DB0A127F	180DD9B7	00000000	C4093CF5	00000000	00000000	C4093CF5	00000000										
(176)	C4093CF5	00000000	00000000	00000000	00000000	C4093CF5	00000000	00000000	8F09D534	540CF697										
(180)	00000000	4409877A	00000000	00000000	4409877A	00000000	4409877A	00000000	4409877A	00000000										
(184)	00000000	00000000	00000000	00000000	2B099733	EB0B71CD	00000000	00000000	00000000	00000000										
(188)	00000000	00000000	00000000	00000000	EA084AE3	EA084AE3	00000000	00000000	00000000	00000000										
(192)	00000000	160BE9A9	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(196)	00000000	00000000	00000000	00000000	00000000	00000000	79088825	8F0A4258	00000000	00000000										
(200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(204)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(208)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(212)	9242706D	9242706D	C241A7BC	00000000	9242706D	4242A7BC	C241A7BC	00000000	F342D16B	C241A7BC										
(216)	C241A7BC	C241A7BC	C242A7BC	C241A7BC	00490000	9C430000	10420000	AD440000	A2C2C6A0	B3424642										
(220)	E8C17115	55C267AF	B93F463A	22C4AE2E	784295E9	9842C4B0	5A42764F	03442AD5	79C50000	79C50000										
(224)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										
(228)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000										

8 FILES

01/09/78 - 12/04/78

000104 > 2^m 43^s
000347 > 2^m 44^s
000631 > 2^m 44^s
000915 > 2^m 44^s

47A00000 → 347,

