#701

IMP-J

PLASMA DISTRIBUTION FUNCTIONS

73-078A-04D

REQ. AGENT	ACQ.AGENT
RLR CMW	JHK

IMP-J

PLASMA DISTRIBUTION FUNCTIONS ON TAPE

73-078A-04D

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,0PF6.0,2X,0PF6.0)
        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

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

Thanks very much for the first of the IMP-8 LEPEDEA 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

F. .n: 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(Vx, Vy) in units of number of particles x seconds**3 x cm**6. Hence an integration over velocity s ce 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

J E S 2 J O B L O G -- S Y S T E S 9 0 E -- N O D E G I B B S

```
10.01.21 JOB01356  IRR010I  USERID XR1NC    IS ASSIGNED TO THIS JOB.
10.01.22 JOB01356  IEF677I WARNING MESSAGE(S) FOR JOB XR1NCHX1 ISSUED
10.01.23 JOB01356  IEF677I WARNING MESSAGE(S) FOR JOB XR1NCHX1 ISSUED
10.01.23 JOB01356  ICH70001I XR1NC    LAST ACCESS AT 09:54:09 ON FRIDAY, NOVEMBER 20, 1992
10.01.23 JOB01356  $HASP373 XR1NCHX1 STARTED - INIT 14 - CLASS A - SYS S90E
10.01.23 JOB01356  IEF403I XR1NCHX1 - STARTED - TIME=10.01.23
10.01.26 JOB01356  COMPLETED -- XR1NCHX1/LINK      PGM=IEWL     RC=0000
10.01.28 JOB01356 *IEF233A M 5A2,NC1197,,XR1NCHX1,GO
10.02.52 JOB01356  IEF234E K 5A2,NC1197,PVT,XR1NCHX1,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 -- XR1NCHX1/GO        PGM=PGM=*.DD RC=0000
10.02.54 JOB01356  NOTIFY 11/20/92 10:02am XR1NCHX1(01356) ended: LINK 0000  GO 0000
10.02.54 JOB01356  COMPLETED -- XR1NCHX1/NOTIFY    PGM=IKJEFT01 RC=0000
10.02.54 JOB01356  IEF404I XR1NCHX1 - ENDED - TIME=10.02.54
10.02.54 JOB01356  $HASP395 XR1NCHX1 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
```

T9 9B43 | 8 0043

T9 9B43 | 360 ~~B444~~

1/8/T9 – 12/16/T9

2 files

NC 1197

$ REM
VAK

Ebbe-2
Z8998-A
HMP-4

RECORD 1 OF FILE 1
LENGTH = 10880 BYTES

IMP-J
-04D
D-86635
(1)

80400000	9E430000	00420000	8948009A	A5C20FDB	A542C5CA	E2C1DD22	32C2A9F6	323FE118	25C49E5B
43439027	E041783E	2E43A2F0	064615D5	79C500C0	79C500C0	4618C961	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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4F18C9C0	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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00000000	00000000	00000000	00000000	00000000	00000000	00000000	1B1831C3	1B1831C3	1B1831C3
00000000	00000000	03185650	00000000	00000000	03185650	00000000	00000000	1B1831C3	1118DD6B
00000000	CA17B520	03185650	03185650	00000000	00000000	8D16CF5F	00000000	03185650	00000000
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9317A378	1317A378	00000000	54170164	D4160164	D4160164	00000000	CD171C57	00000000	00000000
9316A378	1317A378	00000000	00000000	00000000	9316A378	00000000	00000000	C7164E0B	2915E64F
00000000	00000000	1317A378	7F16A2C7	D01637B4	8516318D	79164F38	BA163BEA	9316A378	9316A378
591556EF	3815D5A3	00000000	79164F38	F9154F38	F9154F38	F9154F38	00000000	F9154F38	F9154F38
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99143008	00000000	A115A477	F2157733	A115A477	E7152C7B	D6130412	00000000	00000000	2115A477
00000000	841459B6	00000000	00000000	00000000	6515498C	00000000	00000000	99153008	00000000
26144CB1	FA14F209	00000000	00000000	26154CB1	26144CB1	00000000	26144CB1	00000000	19153008
6D133BFE	6D133BFE	26144CB1	00000000	00000000	00000000	26154CB1	10141C8F	00000000	26144CB1
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00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00410000	9E430000	00420000	8948009A	A5C20FDB	A542C5CA	E2C1DD22	32C2A9F6
F63E4C5D	79C500C0	79C500C0	79C500C0	79C500C0	95458F9B	79C500C0	79C500C0	CE11AC77	DF130F6E
F710F974	00000000	00000000	00000000	00000000	00000000	00000000	00000000	7710F974	00000000
00000000	00000000	00000000	00000000	B0105861	1713A297	00000000	960F0EEB	00000000	960F0EEB
00000000	00000000	00000000	00000000	00000000	00000000	960F0EEB	00000000	00000000	00000000
79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0
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79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0
79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0
79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0	79C500C0
910FC59C	830F779C	5A0F286B	600FE004	5A0F286B	600FE004	2D0F629D	540F70D1	520F45FF	F50FC438
8C0F0C03	6B0F5338	2D0F629D	5F0FB0A5	A90E834E	5F0F6BE1	DC0EFF9B	CB0EA9F5	650F999E	600FE004
A60E657F	AE0E91D2	BB0E524F	C30E7DA2	B70EBC25	A20ED055	C30E7DA2	0F0FAE9A	D40ED548	BF0EE878
8D0D11FF	AF0E4455	910D2D80	ED0DBC1C	B10D8DD5	860D0EB9	AC0DFD71	AC0DFD71	B20E26FC	8D0E243F
CC0D5CC7	CC0D5CC7	AC0DFD71	B10D8DD5	A10DDDAA	800D509E	260B597D	C50D4462	810D7E55	BC0DAD9C
540BD290	F70B4BFE	B10B5923	0D0CE1B5	D40BD290	8D0BE1B5	310C5923	D40BD290	1F0C9E6C	D40BD290
F70B4BFE	890BA101	9F0AEE36	D30C1958	3E0A841F	00000000	3E0A841F	00000000	F70B4BFE	0D0CE1B5
BE09841F	00000000	00000000	BE09841F	00000000	BE09841F	8E0AA397	00000000	00000000	BE09841F
00000000	00000000	00000000	00000000	00000000	00000000	00000000	3D0910A9	84087AA7	6E0BD2C6
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00000000	00000000	00000000	E2089BBC	E2089BBC	00000000	00000000	E2089BBC	00000000	00000000
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(2)

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9B1897D0	CF17C9C0	9B1897D0	CF17C9C0	4F18C9C0	4F18C9C0	4F18C9C0	00000000	D217263C	3216CFD4
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9B1731C3	00000000	1B1831C3	1118DD6B	B117793C	00000000	E51897CC	83185650	A4186A24	C41881F8
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8D16CF5F	D817B7A1	CA18B520	97188798	B0189FDC	97188798	00000000	4A17B520	4A17B520	17188798
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D4170164	46173A4A	2D17F941	00000000	9316A378	5D17F434	5D17F434	1317A378	5D17F434	00000000
00000000	00000000	1317A378	1317A378	9316A378	9316A378	1317A378	8E176E93	D01637B4	8F14A510
BA163BEA	00000000	F9164F38	BA163BEA	00000000	00000000	00000000	F9154F38	00000000	00000000
79164F38	00000000	F9154F38	681695AC	0716A837	00000000	A115A477	A115A477	00000000	00000000
2115A477	2115A477	00000000	00000000	00000000	2115A477	2115A477	A115A477	2115A477	96155BBF
CC155EAB	C415CFC7	00000000	6515498C	99143008	19153008	BF153D4A	99143008	00000000	00000000
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26144CB1	A6144CB1	00000000	00000000	00000000	26144CB1	00000000	FA14F209	00000000	26144CB1
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6D133BFE	00000000	00000000	00000000	00000000	00000000	6D133BFE	4E136864	00000000	00000000
00000000	00000000	F812C11C	F812C11C	00000000	F812C11C	00000000	00000000	00000000	00000000
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A6C2DB07	A542099E	E2C14EB9	32C28169	833F51B1	79C500C0	79C500C0	79C500C0	79C500C0	0C4544DB
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00000000	670EA204	E70DA204	9A0D1703	E70DA204	400EDC83	9A0D1703	1A0D1703	9A0D1703	400EDC83
1A0D1703	0F0D83C9	2B0F37CB	D90F2938	EB0E5338	B30E1A37	330E1A37	760EC46B	910EC59C	490EFE9D
0C0F0C03	C90EFE9D	910EC59C	860E5469	A80EA803	490EFE9D	BE0E8B6A	160F4ED7	980E2DA8	420F52BE
E90DC018	260D657F	B70DBC25	690DC018	850CB732	A60D657F	690DC018	850DB732	690DC018	260D657F
050DB732	A60D657F	C70D14CC	8D0E243F	880C4FDF	8C0E1C4E	AC0BFD71	570C7C8E	570C7C8E	010C7E55
2C0BFD71	570C7C8E	010C7E55	810C7E55	2C0CFD71	2C0CFD71	010C7E55	010C7E55	010C7E55	F70B1E38
C609B03B	C70D1E99	00000000	00000000	0D0BE1B5	00000000	8D0AE1B5	00000000	0D0BE1B5	00000000
00000000	00000000	00000000	8D0AE1B5	8D0AE1B5	CF0B92DC	040954FA	F10C060D	BE09841F	BE09841F
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	BE09841F	BE09841F
BE09841F	00000000	560C8067	810C591F	00000000	00000000	00000000	00000000	00000000	00000000
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00000000	00000000	00000000	00000000	00000000	D10AB3E0	00000000	00000000	00000000	00000000
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00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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00420000	8A4880B5	A6C2A034	A5427771	E3C1EE4C	31C2A1DE	A23F9C32	73C40CCF	A64291C7	51C3BF19
50426D8C	A444A5B5	79C500C0	79C500C0	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

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Second last page

RECORD 2261 OF FILE 2
LENGTH = 4352 BYTES

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CF17D9EB	CF18D9EB	00000000	00000000	00000000	00000000	00000000	CF17D9EB	00000000	00000000
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D-86635
last page

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DUMP OF TAPE BOUT100

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

43DH → 104.

FILE 1 RECORD 78 1 LENGTH 9 10880 BYTES 104

Imp J
D-83261
C-28070
8 Files
01/09/78 - 12/04/78

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(32)	F5167811	3F19FC48	C319B18C	0818D508	AA180A0B	4C183E0D	8817D508	8818D508	00000000	8817D508	
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(180)	00000000	4409877A	00000000	00000000	4409877A	00000000	4409877A	00000000	4409877A	00000000	
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(192)	00000000	160BE9A9	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
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(212)	92427D0D	92427D0D	C241A7BC	00000000	92427D0D	4242A7BC	C241A7BC	00000000	F342D16B	C241A7BC	
(216)	C241A7BC	C241A7BC	C242A7BC	C241A7BC	80400001	9C430000	10420000	AD440080	A2C2C6A0	B3424642	~~44AD0000~~ → 347.
(220)	E8C17115	55C267AF	B93F463A	22C4AE2E	7B429CE9	9842C4B0	5A42760F	D3442AD5	79C500C0	79C500C0	
(224)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
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000104 > 2^m 43^s
000347 > 2^m 44^s
000631 > 2^m 44^s
000915 > 2^m 44^s

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(2360)	00000000	C118AF3A	531A1893	LE1A56EA	D718C338	D718C338	D717C338	00000000	00000000	5718C338
(2400)	00000000	5718C338	D717C338	D717C338	D717C338	D717C338	A119926A	481A31EE	E91AAE1C	E31A338B
(2440)	BF19129E	2118B15C	2119B15C	2118B15C	A118B15C	F218D90B	A118B15C	2118B15C	A118B15C	A117B15C
(2480)	[illegible]	F218D90B	171AE646	A81A6E9C	5319CAD5	481A2EDC	8819D508	CC183E0D	0818D508	8817D508
(2520)	8817D508	4C183E0D	8817D508	0818D508	4C183E0D	0818D508	0818D508	0818D508	6E19740F	7C19E9F0
(2560)	59180E58	13195C38	1D18AE0B	D117E864	D117E864	00000000	5117E864	5117E864	1D18AE0B	5117E864
(2600)	[illegible]	D117E864	5117E864	00000000	D117E864	16180C82	4916CC6C	77174C71	00000000	DC16A706
(2640)	DC16A706	DC16A706	00000000	DC16A706	DC16A706	A517FEC4	DC16A706	DC16A706	00000000	DC16A706
(2680)	A517FE04	4E177149	00000000	78171132	9816D4C5	1817D4C5	9816D4C5	00000000	00000000	00000000
(2720)	00000000	00000000	00000000	00000000	9816D4C5	00000000	9816D4C5	85168BB1	3C16882D	0015C7AE
(2760)	8116F416	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0116F416	00000000	0116F416
(2800)	[illegible]	00000000	8116F416	7216C90E	00000000	00000000	2715A545	00000000	00000000	00000000
(2840)	00000000	00000000	00000000	00000000	2715A545	00000000	00000000	00000000	2715A545	00000000
(2880)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(2920)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(3000)	00000000	00000000	B3136983	00000000	00000000	00000000	7613818C	7613818C	7613818C	7613818C
(3040)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57131DC2	00000000	00125C1C
(3080)	[illegible]	00000000	[illegible]	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(3120)	00000000	00131384	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(3160)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(3200)	C241A7BC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(3240)	00000000	[illegible]	[illegible]	[illegible]	00000000	00000000	00410000	19C430000	10420000	AD440080
(3280)	A2C2C6A4	B3424542	E8C17115	55C267AF	823FD72D	79C500C0	79C500C0	79C500C0	79C500C0	14453450
(3320)	79C500C0	79C500C0	3A10BFD8	0414B4CE	00000000	80102C2D	00000000	00000000	00000000	00000000
(3360)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	07100626	2613C7E0
(3400)	9C0FF957	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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(3560)	3C0ED355	00000000	00000000	7B0D1A1D	FB0E1A1D	0C0F7C45	00000000	3C103E87	1F0D7A8C	00000000
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(3680)	B90C70A8	00000000	390D70A8	00000000	00000000	B90C70A8	00000000	00000000	BC0CF845	000F928D
(3720)	00000000	090C8EFC	00000000	00000000	090C8EFC	090C8EFC	090C8EFC	090C8EFC	890C8EFC	090C8EFC
(3760)	[illegible]	[illegible]	090C8EFC	85 0CAB4D	1A0C1D6D	A60E756E	320B07A5	B20B07A5	00000000	320B07A5
(3800)	320B07A5	320B07A5	320B07A5	320B07A5	320B07A5	320C07A5	B20B07A5	B20B07A5	320B07A5	000CE867
(3840)	D60A7D00	090E59EA	920A0ECE	920A0ECE	120B0ECE	00000000	920A0ECE	920A0ECE	120B0ECE	00000000
(3880)	920A0ECE	920A0ECE	00000000	00000000	00000000	800A9178	720AE508	F30C0FE3	00000000	00000000
(3920)	00000000	C4093CF5	C4093CF5	00000000	00000000	00000000	00000000	00000000	C4093CF5	00000000
(3960)	00000000	00000000	F1091872	2F0CFDC0	00000000	00000000	4409877A	00000000	00000000	00000000
(4000)	[illegible]	[illegible]	[illegible]	4409877A	00000000	00000000	00000000	00000000	5708CA07	040CED94
(4040)	EA084AE3	00000000	00000000	00000000	00000000	00000000	00000000	EA084AE3	00000000	00000000
(4080)	EA084AE3	00000000	00000000	00000000	980A9783	110BF51B	00000000	00000000	00000000	00000000
(4120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(4160)	3907EF9A	820A56AC	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(4200)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A506AA16	C6190DA5	00000000	00000000
(4240)	00000000	00000000	[illegible]	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(4280)	00000000	00000000	2E467EF5	D14564F3	12437D0D	4242A7BC	C242A7BC	4242A7BC	4242A7BC	92427D0D
(4320)	[illegible]	[illegible]	[illegible]	[illegible]	C241A7BC	[illegible]	4242A7BC	4242A7BC	80400000	19C430000
(4360)	10420000	10450000	A2C293CF	B3420810	E8C19F50	55C26625	AD3FADD0	59C48962	4A42F8D8	1AC3C7CE
(4400)	D2412791	A7435996	79C500C0	79C500C0	00000000	00000000	00000000	00000000	00000000	00000000
(4440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	8E18B3C1
(4480)	59190601	3119AB64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(4520)	[illegible]	[illegible]	[illegible]	00000000	00000000	E817C241	B71AF321	A21A1D41	431A710B	D717C338
(4560)	[illegible]	00000000	D717C338	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(4600)	5718C338	131A0020	AA1A7B14	051B30F1	B01A617D	7218090B	00000000	A117B15C	00000000	00000000
(4640)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7218090B	821AB4CA	20197BD2	8A1A93B0
(4680)	251AC3CA	0918D508	00000000	8817D508	00000000	00000000	00000000	00000000	00000000	8817D508
(4720)	[illegible]	8817D508	8818D508	8619D2F9	001899A8	611928BE	F819D6A7	5117E864	5117E864	00000000
(4760)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000000	4A1847DB
(4800)	4916CC6C	[illegible]	DC16A706	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(4840)	[illegible]	00000000	00000000	00000000	00000000	00000000	00000000	00000000	9816D4C5	00000000
(4880)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(4920)	[illegible]	0F17B03B	[illegible]	0015C7AE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]