#279

HEOS 1 & 2

HOURLY AVERAGED
INTERPLANETARY MAGNETIC FIELD VECTORS

68-109A-02A
72-005A-01A

REFORMATED HR. AVG. INPL. MAG. FIELD VECTORS

68-109A-02D
72-005A-01C

HEOS 1 & 2

HR-AVGD INTPL B-FIELD VECTS,TAPE

68-109A-02A

72-005A-01A

This data set has been restored. There were originally four 7-track, 800 BPI tapes written in BCD. There is one restored tape written in ASCII. D024552 contains only data set 68-109A-02A. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 7094 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004912	DS004912	D015764	1	12/11/68 - 12/31/72
		D017036	2	01/01/68 - 12/31/73
		D018317	3	01/01/74 - 08/01/74
		D024552	4	07/31/74 - 10/27/75 (a)

(a) D024552: Read error occurred in record 14 of file 1.

REQ.AGENT	RAND NO.	ACQ. AGENT
PAR	RC1301	JHK
VLP	RC2382	
DLB	RC3409	

HEOS 1 & 2

HOURLY AVERAGED

INTERPLANETARY MAGNETIC FIELD VECTORS

68-109A-02A

72-005A-01A

This data set consists of four Heos 1 & 2 tapes. The tapes are 800 BPI, 7 track, ~~BCD~~ Hex, 1 file, and were created on an IBM 7094 computer. Each physical record contains 1284 charcters and each logical record contains 80 BCD characters.

Time is expressed in Julian day and fraction of the day, with January 1 = day 0. The time span for the date is as follows:

D#	C#	ID	TIME SPAN
D-15764	C-12135	68-109A-02A	12/11/68 - 12/31/72
		72-005A-01A	01/31/72 - 12/31/72
D-17036	C-13142	68-109A-02A	01/01/73 - 12/31/73
		72-005A-01A	01/01/73 - 12/31/73
D-18317	C-14704	68-109A-02A	01/01/74 - 08/01/74
		72-005A-01A	01/01/74 - 08/01/74
D-24552	C-18242	68-109A-02A	08/01/74 - 10/28/75

TAPE DESCRIPTION : HOURLY FIELD AVERAGES

TRANSFERRED TO TAPE BY JOB 154

The magnetic field data are recorded in the Geocentric Solar Ecliptic coordinate system and are expressed as hourly averages of the three Cartesian field components and of the individual vector magnitudes and polar direction angles. (For description see "HEOS Interplanetary field measurements - Bartels Rotation plots December 1968 - 1972" Imperial College preprint January 1974). The r.m.s. deviations from the hourly magnitude and polar directions are quoted together with the number of measurements used in each hour. Time is expressed in decimal parts of the day with 1200 U.T. on January 1 represented as Day 0.50.

Field values are in gamma, angles are in degrees.

Tape Characteristics

Density: 800 b.p.i.
Form: 1 file per tape with records of 1280 BCD characters and the last physical record buffered with zeros if necessary.

Logical Record (data set for one averaging interval)

Format: (I2, 2F7.3, 3F8.3, 6F6.2, I3)
Data:

I(1)	Year	
X(1)	Day start of averaging interval	
X(2)	Day end of averaging interval	
X(3)	X GSE field mean	CARTESIAN COMPONENTS IN GEOCENTRIC SOLAR ECLIPTIC COORDINATES
X(4)	Y GSE field mean	
X(5)	Z GSE field mean	
X(6)	B field mean	FIELD LAT. & LONG. IN
X(7)	B r.m.s. deviation	
X(8)	Theta mean (GSE latitude ± 90)	
X(9)	Theta r.m.s. deviation	
X(10)	Phi mean (GSE longitude 0-360)	
X(11)	Phi r.m.s. deviation	
I(2)	Number of individual measurements used	

```
68345.458          3.895  -3.797    .878  5.63    .21  9.30 10.79316.07  5.32 10 ========= 68345.500   REC     1. LENGTH  1284
        3.144  -1.047   2.343  6.15    .37 23.29 22.04353.40 52.39 11 ========= 68345.541          3
.659  -1.681   2.491  6.44    .33 24.97 22.21346.43 44.83 72 ========= 68345.583          2.383  -6.3
85  -1.501  7.44    .27-12.02 16.19289.84 13.02 73 ========= 68345.625          1.792  -7.915   -.008
 10.19  1.32    .69 24.32286.09 31.98 73 ========= 68345.666          .543  -8.310  -2.913 10.71    .
61-16.92 25.37274.87 26.71 72 ========= 68345.708          2.002  -6.896    .481  9.89    .60  5.36 3
3.01271.87 46.46 73 ========= 68345.750          1.966  -8.698   -.677  9.38    .55 -4.02 13.82282.75
 11.08 35 ========= 68345.833          -1.606   4.294   5.449  7.14    .33 49.86  4.02110.33  2.59  3
========= 68345.875          .360   5.446    .917  5.87  1.05  8.42 12.99 86.94 15.92 38 =========
68345.916          2.218    .442  -2.327  4.66  1.69-32.92 23.79  5.42 52.96 69 ========= 68345.958
        4.392  -.113  -3.892  6.61    .37-38.79 18.25358.00 31.16 71 ========= 68346.000          2
.307  -1.877  -4.061  6.86    .65-39.38 24.23327.30 61.63 68 ========= 68346.042          2.362   -.3
69  -5.202  7.42    .82-47.71 20.15338.43 56.55 73 ========= 68346.083          -40000

.267  -3.447  -3.105  6.42    .50-28.95  6.06219.02 10.67 73 ========= 68346.125          -3.827  -3.1  REC     2. LENGTH  1284
67  -4.595  7.03    .81-41.97 12.90219.93 13.26 27 ========= 68346.167          -3.539  -5.057  -3.271
 7.80    .91-26.55 19.16233.81 22.07 35 ========= 68346.208          -3.025  -7.231   1.453  8.59    .
45 10.68 20.28247.97  8.64 30 ========= 68346.250          -.508  -6.574   5.599  8.69    .30 40.35
4.71265.71  3.27 72 ========= 68346.292          .337  -5.763   6.250  8.84    .33 45.89  9.78276.96
 22.05 73 ========= 68346.333          1.260  -5.194   4.099  8.19    .32 30.68 14.53285.53 37.84 73
========= 68346.375          -3.718  -4.985   4.567  7.87    .30 35.72  6.59233.10 11.88 70 =========
68346.416          -.953  -5.136   2.703  7.24    .24 22.44 11.70262.10 37.13 73 ========= 68346.458
        -.551  -6.163   3.544  7.35    .25 29.34  9.72265.34 11.59 73 ========= 68346.500          -3
.088  -5.612    .575  7.38    .38  6.30 22.88245.42 24.07 72 ========= 68346.541          -4.095  -5.4
13  -2.688  7.35    .31-21.49  4.74232.86  4.56 73 ========= 68346.583          -2.867  -5.983  -2.410
  7.10    .32-19.82  4.29244.41  4.33 73 ========= 68346.625          -.014  -5.235    .761  6.33    .
43  8.31 19.51277.65 35.58 32 ========= 68346.666          3.869   3.912  1.2440000

  5.99    .30 12.77 14.85 43.36 16.03 20 ========= 68346.708          3.566  -2.190   1.248  5.16    .  REC     3. LENGTH  1284
40 14.02 17.21328.95 28.50 42 ========= 68346.750          1.040  -4.385  -1.479  5.32    .26-16.77 2
0.68282.18 20.00 70 ========= 68346.791          1.713  -4.739   -.674  5.34    .22  -7.45 12.02289.82
 13.33 50 ========= 68346.833          3.721  -3.057   1.253  5.32    .29 14.00 12.16320.74 17.29 53
========= 68346.875          2.822  -2.338   2.237  4.81    .38 29.42 15.88319.40 24.35 59 =========
68346.916          2.689  -2.360    .665  4.48    .24  8.63 17.49314.05 36.39 61 ========= 68346.958
        2.986  -3.015  -1.325  4.62    .32-16.62 11.28314.90 11.81 58 ========= 68347.000          3
.293  -3.258  -1.266  4.95    .16-15.20 10.82315.11  9.32  8 ========= 68347.167          3.027  -2.1
19   2.315  5.08    .43 29.74 24.81326.66 23.91 48 ========= 68347.208          2.970  -1.820   2.537
  5.17    .21 31.82 22.72334.43 33.29 66 ========= 68347.250          2.275   -.730   4.245  5.09    .
18 57.52  8.64341.24 29.25 61 ========= 68347.292          2.866    .788   3.868  5.12    .39 50.15 1
0.67 13.53 23.21 73 ========= 68347.333          3.403    .824   2.836  4.99    .58 36.97 20.14 18.16
 23.95 72 ========= 68347.375          3.831   -.393    .224  4.82    .53  4.79 30000

2.91358.73 29.84 69 ========= 68347.416          3.138  -1.481   1.504  4.99    .39 18.67 30.23334.92  REC     4. LENGTH  1284
 32.78 68 ========= 68347.458          3.348   -.906   1.917  4.98    .39 24.66 26.41347.56 30.48 72
========= 68347.500          3.319   -.804   1.966  4.83    .48 25.19 29.77345.17 25.34 63 =========
68347.541          2.471   -.505   2.119  4.89    .31 28.20 41.05349.92 37.30 73 ========= 68347.583
        2.416  -2.464  -2.242  4.70    .26-31.46 26.82313.12 15.35 72 ========= 68347.625          2
.594  -2.013  -2.435  4.93    .21-31.84 22.34328.60 34.13 71 ========= 68347.666          2.776  -3.2
44  -1.388  5.13    .20-16.85 22.01310.79 20.73 73 ========= 68347.708          2.251  -2.254  -2.506
  5.03    .22-34.59 31.21322.25 42.03 68 ========= 68347.750          3.086  -2.934    .453  5.03    .
22  4.60 29.44315.43 14.82 72 ========= 68347.791          1.692  -2.195  -2.991  5.06    .22-39.68 2
3.63326.04 47.53 28 ========= 68347.833          3.136  -3.240   1.483  4.75   0.00 18.21   0.00314.06
  0.00  1 ========= 68347.875          4.137   -.339   1.217  4.62    .45 15.78 10.58356.25 19.25 14
========= 68347.916          3.108  -1.580    .738  4.72    .87  8.56 17.86330.58 39.90 65 =========
68347.958          4.064  -1.137   -.022  4.60    .51    .09 20.29344.62 11.73 59 0000

========= 68348.000          2.399  -1.312   1.398  4.25    .60 21.79 24.09332.60 42.38 72 =========  REC     5. LENGTH  1284
68348.042          3.374   1.000    .710  4.62    .68  9.26 22.34 13.68 35.93 67 ========= 68348.208
        4.159  -1.313   -.339  4.90    .65 -3.29 11.33340.56 24.82 28 ========= 68348.250          2
.162  -2.793   -.151  4.67    .53 -1.14 21.07310.14 37.44 73 ========= 68348.292          2.559  -3.2
94   -.497  4.76    .27 -6.22 25.04307.84 15.38 73 ========= 68348.333          2.678  -2.943   -.403
  4.85    .24 -4.79 32.02314.02 16.71 72 ========= 68348.375          2.025  -1.650  -2.783  4.60    .
53-38.25 16.61329.69 47.01 73 ========= 68348.416          3.927   -.819    .687  4.64    .62  9.07 1
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DEC 11, 1966 - DEC 31, 1972

HEOS 1 & 2

HOURLY AVERAGED INTERPLANETARY MAGNETIC FIELD VECTORS

68-109A-02A

72-005A-01A

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6.90349.70 25.35 73 ========= 68349.583          3.166  -5.940  -1.866  8.33   .60-13.76 24.04301.98
 27.02 73 ========= 68349.625          2.261  -6.760   1.997  8.57   .48 12.52 26.09293.64 27.27 73
========= 68349.666          2.760  -6.511   1.604  7.42   .47 12.64 10.14292.90  7.39 72 =========
68349.708          2.988  -6.788   1.513  8.06   .35 11.03 18.02294.12  9.91 70 ========= 68349.750
         2.636  -6.856   .680  7.71   .41  5.30 13.96290.92  9.73 72 ========= 68349.791          3
.413  -5.886  -1.723  7.30   .38-14.08 13.03300.55  9.55 72 ========= 68349.833 0000

         3.215  -3.818  -3.818  7.08   .79-36.40 22.36314.64 20.71 73 ========= 68349.875          1  REC      6. LENGTH  1284
.893  -4.284   7.463  9.51   .46 56.34 19.94302.33 32.16 70 ========= 68349.916          -.334  -2.9
06   9.130  9.94   .65 68.82  9.98272.53 48.04 72 ========= 68349.958          -.761  -4.715   7.650
  9.32  1.08 56.56 13.12261.15 19.47 73 ========= 68350.000          2.054   .572   3.304  7.03  1.
51 35.40 37.48358.98 65.07 72 ========= 68350.042          -.855   2.539   1.354  7.20  1.88 15.22 3
4.30 33.06 89.35 73 ========= 68350.083          -1.241   3.302   -.843  7.05   .78-10.98 43.93139.51
 62.60 73 ========= 68350.125          1.221   5.393   .700  7.74  1.34 12.76 41.04 69.18 42.29 31
========= 68350.167          3.678  -5.821  -3.179  7.82   .37-24.94 12.29303.34  8.39 15 =========
68350.208          3.739  -7.694  -2.389  8.98   .69-15.84  7.10295.83  5.39 45 ========= 68350.250
         4.317  -8.009  -2.551  9.76   .38-15.48 13.29298.42  6.23 72 ========= 68350.292          3
.231  -9.174   -.191  9.87   .18 -1.10  9.07289.40  4.00 73 ========= 68350.333          3.496  -8.3
41  -3.084  9.62   .18-18.80  5.62292.73  4.22 73 ========= 68350.375          3.492  -8.111  -1.924
  9.25   .23-12.38 11.54293.50  4.38 72 ========= 68350.416          3.245  -7.10000

46  -3.515  9.04   .21-23.68 15.51295.79 11.17 73 ========= 68350.458          3.471  -5.660  -2.748  REC      7. LENGTH  1284
  8.08   .49-21.92 19.48304.58 22.39 73 ========= 68350.500          1.848  -6.501  -2.576  7.62   .
22-20.83 16.35287.15 11.37 72 ========= 68350.541          1.665  -5.425  -3.599  7.31   .27-31.36 1
7.02292.50 24.89 73 ========= 68350.583          1.800  -6.377  -1.701  7.30   .16-13.93 15.83286.30
 13.85 73 ========= 68350.625          1.098  -6.747   -.864  7.11   .18 -7.25 12.85279.37  6.77 56
========= 68350.791          1.228  -3.641  -4.093  6.14   .27-45.04 19.27294.37 35.48 56 =========
68350.833          .805  -4.902  -2.370  5.98   .23-24.62 16.88280.42 17.32 54 ========= 68350.875
         .940  -5.863   -.471  6.22   .24 -4.73 13.42279.76 11.19 38 ========= 68350.958          1
.519  -4.815  -2.811  5.93   .18-28.68  8.28287.74 10.94 55 ========= 68351.000          1.433  -4.6
48  -1.848  5.55   .49-19.42 18.83287.18 11.34 72 ========= 68351.042          .771  -4.004  -1.525
  4.64   .27-19.98 16.54281.13 13.26 73 ========= 68351.083          2.123  -3.363   .211  4.44   .
21  3.84 23.71303.41 20.57 62 ========= 68351.125          2.749  -2.472   -.564  4.45   .25 -8.03 3
0.67318.85 12.85 25 ========= 68351.208          -.045  -1.596  -4.168  4.88   .0000

20-60.00  9.78257.28 47.88 21 ========= 68351.250          2.085  -3.309  -2.299  4.99   .24-28.93 1  REC      8. LENGTH  1284
6.94307.47 29.89 72 ========= 68351.292          2.279  -3.351  -2.093  5.12   .25-26.56 23.62307.26
 18.46 73 ========= 68351.333          -.815  -3.537  -1.902  5.00   .23-23.31 16.56254.55 34.29 73
========= 68351.375          -1.053  -4.779   -.912  5.09   .21-10.55 10.33257.59  6.83 72 =========
68351.416          -.215  -3.780  -1.856  4.91   .30-25.16 28.69264.50 13.47 69 ========= 68351.458
         3.199  -3.214   .757  4.97   .25  9.08 17.04315.12 15.09 72 ========= 68351.500          2
.242  -3.586  1.642  5.07   .30 19.46 23.81301.83 13.82 73 ========= 68351.541          1.289  -1.4
41  4.125  4.82   .51 61.88 17.06321.45 30.62 73 ========= 68351.583          2.257  -1.496  3.043
  4.51   .25 45.74 21.97328.74 20.90 65 ========= 68351.625          2.007  -1.659  3.532  5.41   .
31 47.67 30.78338.31 51.82 73 ========= 68351.666          4.622  -3.174   -.170  5.70   .20 -1.71
6.92325.50  7.73 73 ========= 68351.708          4.917  -2.425   .023  5.66   .30   .39  6.59334.26
 13.28 72 ========= 68351.750          4.206  -3.776   .337  5.72   .19  3.42  4.91318.05  6.43 63
========= 68351.791          4.614  -3.007  1.219  5.73   .20 12.42  8.33326.81 0000

  5.56 31 ========= 68351.833          3.230   -.459  2.855  5.10   .34 35.45 14.82359.78 37.06 34  REC      9. LENGTH  1284
========= 68351.875          1.089  1.340  2.841  4.75   .24 37.56 10.13 46.13 62.04 72 =========
68351.916          2.582   -.187  2.622  4.64   .27 41.07 31.96  8.91 37.95 73 ========= 68351.958
         3.902   -.133  1.150  4.47   .46 15.63 13.96359.45 21.11 72 ========= 68352.000          2
.485  -3.746  -1.683  5.16   .24-19.44 15.51303.00 16.10 73 ========= 68352.042          1.380  -3.5
28  -3.017  5.03   .35-38.49 13.45289.80 13.19 61 ========= 68352.083          2.490  -1.342   -.707
  5.01   .36 -9.29 24.32356.81 72.66 67 ========= 68352.125          .576  1.668  1.130  4.55   .
93 16.93 24.35 73.53 61.41 55 ========= 68352.167          -3.607  3.355   .501  5.41   .65  8.07 2
.29132.72 20.25 25 ========= 68352.208          -3.211  1.270   .076  5.31  4.22  3.76 16.33180.41
 77.03 72 ========= 68352.250          1.591   -.572  -1.060  3.64  3.08-21.85 38.32 14.64 85.79 63
========= 68352.292          5.260  -2.723   .508  6.33   .81  4.64 16.03332.49 13.00 73 =========
68352.333          4.353  -3.670   -.346  5.84  1.08 -3.72  8.99319.79  9.93 69 ========= 68352.375
        -2.330   .450   -.987  3.49   .91-17.88 13.35168.44 59.59 73 ========= 0000

68352.416          -4.521  1.850   -.275  4.96   .43 -3.22  7.29157.70  6.58 69 ========= 68352.458  REC     10. LENGTH  1284
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HEOS 1 & 2

REFORMATTED HR. AVERAGE INPL. B-FIELD VECTORS

68-109A-02D

72-005A-01C

This data set has been restored. There was originally 1 ~~Binary~~ Epcdic 9-Track, 1600 BPI tape. 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 an IBM 360 computer. The DR and DS number along with the corresponding D number and the time spans are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR03336	DS03336	D30727	1	12/10/68 - 10/25/75

10/29/75

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RC8607	JHK

HEOS 1 & 2

REFORMATED HR. AVG. INPL. MAG. FIELD VECTORS

68-109A-02D

72-005A-01C

This data set catalog consists of 1 data tape. The tape is 1600 BPI, 9 track, EBCDIC, and contains 1 file of data. The tape was created on the IBM 360 computer.

D#	C#	TIME SPAN
D-30727	C-19643	12/10/68 - 10/25/75

HEOS 1 + 2

68-109A-02D

72-005A-01C

Tape Characteristics

Density: 1600 bpi

Form: 9 track, one file, fixed block. Each physical record contains 8000 bytes per record. Each logical record consists of 80 bytes in the following format:

Format: (I2,2F7.2,3F8.3,6F6.2,I3,1X)

I2	Year
F7.3	Day start of averaging interval
F7.3	Day end of averaging interval
F8.3	X GSE field mean
F8.3	Y GSE field mean
F8.3	Z GSE field mean
F6.2	B field mean
F6.2	B r.m.s. deviation
F6.2	θ mean (GSE latitude $\pm$ 90)
F6.2	θ r.m.s. deviation
F6.2	ϕ mean (GSE longitude 0-360)
F6.2	ϕ r.m.s. deviation
I3	Number of measurements used

Heos 1 & 2
68-109A-02D
72-005A01C
12/10/68 - 10/25/75
D-30727

```
$JOB   15:23:37
$ASS IN MS1
$NOP ************** HEX DUMP OF X-393 *****************
$EXEC DPHEX BS
 INPUT TAPE ON MS1
 DATA INPUT     1 2 2
  FILE  1       RECORD   1       LENGTH    8000 BYTES
  (    0)  F6F8F3F4  F5F4B4F5  F84040F0  4BF04040  404040F3  4BF8F9F9  404060F3  4BF7F9F7  404040F0  4BF8F7F8
  (   40)  4040F54B  F6F34040  F04BF2F1  4040F94B  F3F040F1  F04BF7F9  F3F1F64B  F0F74040  F54BF3F2  40F1F040
  (   80)  F6F8F3F4  F54BF5F0  F04040F0  4BF04040  404040F3  4BF1F4F4  404060F1  4BF0F4F7  404040F2  4BF3F4F3
  (  120)  4040F64B  F1F54040  F04BF3F7  40F2F34B  F2F940F2  F24BF0F4  F3F5F34B  F4F040F5  F24BF3F9  40F1F140
  (  160)  F6F8F3F4  F54BF5F4  F14040F0  4BF04040  404040F3  4BF6F5F9  404060F1  4BF6F8F1  404040F2  4BF4F9F1
  (  200)  4040F64B  F4F44040  F04BF3F3  40F2F44B  F9F740F2  F24BF2F1  F3F4F64B  F4F340F4  F44BF8F3  40F7F240
  (  240)  F6F8F3F4  F54BF5F8  F34040F0  4BF04040  404040F2  4BF3F8F3  404060F6  4BF3F8F5  404060F1  4BF5F0F1
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  ( 1960)  4040F74B  F3F84040  F04BF3F8  4040F64B  F3F040F2  F24BF8F8  F2F4F54B  F4F240F2  F44BF0F7  40F7F240
  ( 2000)  F6F8F3F4  F64BF5F4  F14040F0  4BF04040  404060F4  4BF0F9F5  404060F5  4BF4F1F3  404060F2  4BF6F8F8
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(2360)	4040F54B	F1F64040	F04BF4F0	40F1F44B	F0F240F1	F74BF2F1	F3F2F84B	F9F540F2	F84BF5F0	40F4F240		
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(2800)	F6F8F3F4	F64BF9F5	F84040F0	4BF04040	404040F2	4BF9F8F6	404060F3	4BF0F1F5	404060F1	4BF3F2F5		
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(4480)	F6F8F3F4	F74BF9F5	F84040F0	4BF04040	404040F4	4BF0F6F4	404060F1	4BF1F3F7	404060F0	4BF0F2F2		
(4520)	4040F44B	F6F04040	F04BF5F1	4040F04B	F0F940F2	F04BF2F9	F3F4F44B	F6F240F1	F14BF7F3	40F5F940		
(4560)	F6F8F3F4	F84BF0F0	F04040F0	4BF04040	404040F2	4BF3F9F9	404060F1	4BF3F1F2	404040F1	4BF3F9F8		
(4600)	4040F44B	F2F54040	F04BF6F0	40F2F14B	F7F940F2	F44BF0F9	F3F3F24B	F6F040F4	F24BF3F8	40F7F240		
(4640)	F6F8F3F4	F84BF0F4	F24040F0	4BF04040	404040F3	4BF3F7F4	404040F1	4BF0F0F0	404040F0	4BF7F1F0		
(4680)	4040F44B	F6F24040	F04BF6F8	4040F94B	F2F640F2	F24BF3F4	40F1F34B	F6F840F3	F54BF9F3	40F6F740		
(4720)	F6F8F3F4	F84BF2F0	F84040F0	4BF04040	404040F4	4BF1F5F9	404060F1	4BF3F1F3	404060F0	4BF3F3F9		
(4760)	4040F44B	F9F04040	F04BF6F5	4060F34B	F2F940F1	F14BF3F3	F3F4F04B	F5F640F2	F44BF8F2	40F2F840		
(4800)	F6F8F3F4	F84BF2F5	F04040F0	4BF04040	404040F2	4BF1F6F2	404060F2	4BF7F9F3	404060F0	4BF1F5F1		
(4840)	4040F44B	F6F74040	F04BF5F3	4060F14B	F1F440F2	F14BF0F7	F3F1F04B	F1F440F3	F74BF4F4	40F7F340		
(4880)	F6F8F3F4	F84BF2F9	F24040F0	4BF04040	404040F2	4BF5F5F9	404060F3	4BF2F9F4	404060F0	4BF4F9F7		

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