

#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

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

HEOS 1 & 2

HR-AVGD INTPL B-FIELD VECTS,TAPE

68-109A-02A SPHE-00265

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. AGENTPAR
VLP
DLBRAND NO.RC1301
RC2382
RC3409ACQ. AGENT

JHK

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~~^{BCD}, 1 file, and were created on an IBM 7094 computer. Each physical record contains 1284 characters 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:

<u>D#</u>	<u>C#</u>	<u>ID</u>	<u>TIME SPAN</u>
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: (12, 2F7.3, 3F8.3, 6F6.2, 13) ...

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 ECLIPIC 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	REC	1. LENGTH	1284
3.144	-1.047	2.343	6.15	.37	23.29	22.04353.40	52.39	11	=====	68345.500	=====	68345.541
.659	-1.681	2.451	6.44	.33	24.57	22.1346.43	44.83	72	=====	68345.582	=====	2.383 -6.3
85	-1.501	7.44	.27	12.02	16.15289.84	13.02	73	=====	68345.625	1.792	-7.915	-.008
10.19	1.32	.69	24.32286.05	31.58	73	=====	68345.666	.543	-8.310	-2.913	10.71	.0
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	
=====	68345.833	.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	65	=====	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	-4.0000	=====	
267	-3.447	-3.105	6.42	.50	-28.95	6.06219.02	10.67	73	=====	68346.125	-3.827	-3.1
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	.337	-5.763	6.250	8.84	.33	45.89
4.71265.71	3.27	72	=====	68346.292	1.260	-5.194	4.099	8.19	.32	30.68	14.53285.53	37.84
22.05	73	=====	68346.333	-3.718	-4.985	4.567	7.87	.30	35.72	6.59233.10	11.88	70
=====	68346.375	.953	-5.136	2.703	7.24	.24	22.44	11.70262.10	37.13	73	=====	68346.458
68346.416	-.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
40	14.02	17.21328.95	28.50	42	=====	68346.750	1.040	-4.385	-1.479	5.32	.26	-16.77
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	3
2.986	-3.015	-1.325	4.62	.32	-16.62	11.28314.90	11.81	58	=====	68347.000	=====	
.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
0.67	13.53	23.21	73	=====	68347.333	3.403	.824	2.836	4.99	.58	36.97	20.14
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	
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
2.416	-2.464	-2.242	4.70	.26	-31.46	26.82313.12	15.35	72	=====	68347.625	=====	
.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	3.136	-3.240	1.483	4.75	0.00	18.21
3.63326.04	47.53	28	=====	68347.833	4.137	-.339	1.217	4.62	.45	15.78	10.58356.25	19.25
0.00	1	=====	68347.875	3.108	-1.580	.738	4.72	.87	8.56	17.86330.58	39.90	65
=====	68347.916	4.064	-1.137	-.022	4.60	.51	.09	20.29344.62	11.73	55	0000	=====
68347.958	2.399	-1.312	1.398	4.25	.60	21.75	24.09332.60	42.38	72	=====	=====	
=====	68348.000	3.374	1.000	.710	4.62	.68	9.26	22.34	13.68	35.93	67	=====
68348.042	4.159	-1.313	-.335	4.90	.65	-3.29	11.33340.56	24.82	28	=====	68348.208	2
.162	-2.793	-.151	4.67	.53	-1.14	21.07310.14	37.44	73	=====	68348.252	=====	
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	16.61329.65	47.01	73	=====	68348.416	3.927	-.819	.667	4.64	.62	9.07	1

Dec 11, 1972 - Dec 31, 1972

HEADS 1 & 2

Hourly Averaged Interplanetary
Magnetic Field Vectors

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

6.90349.70	25.35	7.3	=====	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	=====	68349.832	0000				
)														
3.215	-3.818	-3.818	7.08	.79-36.40	22.36314.64	20.71	73	=====	68349.875	1	REC	1284		
.893	-4.284	7.463	9.51	.46	56.34	19.54202.33	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	=====	68350.250			
68350.208	3.739	-7.694	-2.389	8.98	.69-15.84	7.10295.83	5.39	45	=====	68350.292	3			
4.317	-8.009	-2.551	9.76	.38-15.48	13.29298.42	6.23	72	=====	68350.333	3.496	-8.3			
.231	-9.174	-.191	9.87	.18	-1.10	9.07289.40	4.00	73	=====	68350.375	3.492	-8.111	-1.924	
41	-3.084	9.62	.18-18.80	5.62292.73	4.22	73	=====	68350.416	3.245	-7.10000				
9.25	.23-12.38	11.54293.50	4.36	72	=====	68350.458								
46	-3.515	9.04	.21-23.68	15.51295.79	11.17	73	=====	68350.500	1.848	-6.501	-2.576	7.62		
8.08	.49-21.92	19.48304.58	22.29	73	=====	68350.541	1.665	-5.425	-3.559	7.31	.27-31.36	1		
22-20.83	16.35287.15	11.37	72	=====	68350.583	1.800	-6.377	-1.701	7.30	.16-13.93	15.83286.30			
7.02292.50	24.89	73	=====	68350.625	1.098	-6.747	-.864	7.11	.18	-7.25	12.85279.37	6.77	56	
13.85	73	=====	68350.667	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	=====	68350.958	1			
.940	-5.863	-.471	6.22	.24	-4.73	13.42279.76	11.19	38	=====	68351.000	1.433	-4.6		
.519	-4.815	-2.811	5.93	.18-28.68	8.28287.74	10.94	55	=====	68351.042	.771	-4.004	-1.525		
48	-1.848	5.55	.49-19.42	18.83267.18	11.34	72	=====	68351.083	2.123	-3.363	.211	4.44		
4.64	.27-19.98	16.54281.13	13.26	73	=====	68351.125	2.749	-2.472	-.564	4.45	.25	-8.03	3	
21	3.84	23.71303.41	20.57	62	=====	68351.208	-.045	-1.596	-4.168	4.88	.0000			
0.67318.85	12.85	25	=====	68351.250										
20-60.00	9.78257.28	47.88	21	=====	68351.292	2.085	-3.309	-2.259	4.99	.24-28.93	1	REC	1284	
6.94307.47	29.89	72	=====	68351.333	-.815	-3.537	-1.902	5.00	.23-23.31	16.56254.55	34.29	73		
18.46	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	65	=====	68351.500	2			
3.199	-3.214	.757	4.97	.25	9.08	17.04315.12	15.09	72	=====	68351.541	1.289	-1.4		
.242	-3.586	1.642	5.07	.30	19.46	23.81301.83	13.82	73	=====	68351.583	2.257	-1.496	3.043	
41	4.125	4.82	.51	61.88	17.06321.45	30.62	73	=====	68351.625	2.007	-1.659	3.532	5.41	
4.51	.25	45.74	21.97328.74	20.90	65	=====	68351.666	4.622	-3.174	-.170	5.70	.20	-1.71	
31	47.67	30.78338.31	51.82	73	=====	68351.708	4.917	-2.425	.023	5.66	.30	.39	6.59334.26	
6.92325.50	7.73	73	=====	68351.750	4.206	-3.776	.337	5.72	.19	3.42	4.91318.05	6.43	63	
13.28	72	=====	68351.791	4.614	-3.007	1.219	5.73	.20	12.42	8.33326.810000				
=====	68351.833	3.230	-.459	2.855	5.10	.34	35.45	14.82359.78	37.06	34				
5.56	31	=====	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	15.61303.00	16.10	73	=====	68352.042	1.380	-3.5			
28	-3.017	5.03	.35-38.49	13.445289.80	13.15	61	=====	68352.083	2.490	-1.342	-.707			
5.01	.36	-.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	1.591	-3.211	1.270	.076	5.31	4.22	3.76	16.33180.41		
77.03	72	=====	68352.250	-.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	16.0332.49	13.00	73	=====			
68352.333	4.353	-3.670	-.346	5.84	1.08	-3.72	8.99319.79	9.93	65	=====	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	65	=====	68352.458	REC	10. LENGTH	1284

HEOS 1 & 2

REFORMATTED HR. AVERAGE INPL. 8-FIELD VECTORS

68-109A-02D

SPHE-00062

72-005A-01C

This data set has been restored. There was originally
EPCARC
1 Binary 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 10/27/75

REQ. AGENT
VJP

RAND NO.
RC8607

ACQ. AGENT
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#
D-30727

C#
C-19643

TIME SPAN
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	$\ominus$ mean (GSE latitude $\pm$ 90)
F6.2	$\ominus$ r.m.s. deviation
F6.2	$\oplus$ mean (GSE longitude 0-360)
F6.2	$\oplus$ r.m.s. deviation
I3	Number of measurements used

2230	4040F54B	F9F94040	F04B3F30	40F1F24B	F7F740F1	F44B8F8F5	40F4F34B	F3F640F1	F64BF0F3	40F2F040
2230	F6F8F3F4	F64BF7F0	F84340F0	4BF04040	404040F3	4BF5F6F6	404060F2	4BF1F9F0	404040F1	4BF2F4F8
2360	4040F54B	F1F64040	F04BF4F0	40F1F44B	F0F240F1	F74B8F2F1	F3F2F84B	F9F540F2	F84BF5F0	40F4F240
2400	F6F8F3F4	F64BF7F5	F04BF4F0	4BF04040	404040F1	4BF040F1	404060F4	4BF3F8F5	404060F1	4BF4F7F9
2460	4040F54B	F3F24040	F04BF2F6	60F1F64B	F7F740F2	4BF0F4F8	F2F8F24B	F1F840F2	F04BF0F0	40F7F040
2480	F6F8F3F4	F64BF7F9	F14040F0	4BF04040	404040F1	4BF7F1F3	404060F4	4BF7F3F9	404060F0	4BF6F7F4
2520	4040F54B	F3F44040	F04BF2F2	4060F74B	F4F540F1	F24BF0F2	F2F8F94B	F8F240F1	F34BF3F3	40F5F040
2560	F6F8F3F4	F34040F0	F34040F0	4BF04040	404040F3	4BF7F2F1	404060F3	4BF0F5F7	404040F1	4BF2F5F3
2600	4040F54B	F3F24040	F04BF2F9	4BF0F44B	F0F040F1	F24BF1F6	F3F2F04B	F7F440F1	F74BF2F9	40F5F340
2640	F6F8F3F4	F64BF8F7	F54040F0	4BF04040	404040F2	4BF8F2F2	404060F2	4BF3F3F8	404040F2	4BF2F3F7
2680	4040F54B	F8F14040	F04BF3F8	40F2F94B	F4F240F1	F54BF8F9	F3F1F94B	F4F040F2	F44BF3F9	40F5F940
2720	F6F8F3F4	F64BF9F1	F64040F0	4BF04040	404040F2	4BF6F8F8	4BF3F6F0	4BF3F6F0	404040F0	4BF6F6F5
2760	4040F54B	F4F84040	F04BF2F4	4040F84B	F6F340F1	F74BF4F9	F3F1F44B	F0F540F3	F64BF3F9	40F6F140
2800	F6F8F3F4	F64BF9F5	F84040F0	4BF04040	404040F2	4BF9F8F6	404060F3	4BF0F1F5	404060F1	4BF3F2F5
2840	4040F54B	F6F24040	F04BF3F2	60F1F64B	F2F440F1	F14BF2F8	F3F1F44B	F9F040F1	F14BF8F1	40F5F840
2880	F6F8F3F4	F74BF0F0	F74040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
2920	4040F54B	F9F54040	F04BF1F6	60F1F54B	F2F040F1	F04BF8F2	F3F1F54B	F1F14040	F94BF3F2	4040F840
2960	F6F8F3F4	F74BF1F6	F74040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3000	4040F54B	F0F84040	F04BF4F3	40F2F94B	F7F440F1	F44BF8F1	F3F2F64B	F6F640F2	F34BF9F1	40F4F840
3040	F6F8F3F4	F74BF2F0	F84040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3080	4040F54B	F1F74040	F04BF2F1	40F3F14B	F8F240F2	F24BF7F2	F3F3F44B	F4F340F3	F34BF2F9	40F6F640
3120	F6F8F3F4	F74BF2F5	F04040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3160	4040F54B	F0F94040	F04BF1F8	40F5F74B	F5F24040	F84BF6F4	F3F4F14B	F2F440F2	F94BF2F5	40F6F140
3200	F6F8F3F4	F74BF2F9	F24040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3240	4040F54B	F1F24040	F04BF3F9	40F5F04B	F1F540F1	F04BF6F7	40F1F34B	F5F340F2	F34BF2F1	40F7F340
3280	F6F8F3F4	F74BF3F3	F34040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3320	4040F54B	F0F94040	F04BF1F8	40F5F74B	F5F24040	F84BF6F4	F3F4F14B	F2F440F2	F94BF2F5	40F6F140
3360	F6F8F3F4	F74BF2F9	F24040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3400	4040F54B	F8F24040	F04BF5F3	4040F84B	F6F740F3	F04BF2F3	F3F5F44B	F9F240F3	F24BF7F8	40F6F840
3440	F6F8F3F4	F74BF4F1	F64040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3480	4040F54B	F9F94040	F04BF3F9	40F1F84B	F6F740F3	F04BF2F3	F3F5F44B	F9F240F3	F24BF7F8	40F6F840
3520	F6F8F3F4	F74BF4F5	F84040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3560	4040F54B	F9F84040	F04BF5F0	40F2F54B	F1F940F2	F94BF7F7	F3F4F54B	F1F740F2	F54BF3F4	40F6F340
3600	F6F8F3F4	F74BF5F0	F04040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3640	4040F54B	F8F34040	F04BF4F8	40F2F54B	F1F940F2	F94BF7F7	F3F4F54B	F1F740F2	F54BF3F4	40F6F340
3680	F6F8F3F4	F74BF5F4	F14040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3720	4040F54B	F8F94040	F04BF3F1	40F2F84B	F2F040F4	F14BF0F5	F3F4F94B	F9F240F3	F74BF3F0	40F7F340
3760	F6F8F3F4	F74BF5F8	F34040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3800	4040F54B	F7F04040	F04BF2F6	60F3F14B	F4F640F2	F64BF8F2	40F1F34B	F1F240F1	F54BF3F5	40F7F240
3840	F6F8F3F4	F74BF6F2	F54040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3880	4040F54B	F9F34040	F04BF2F1	60F3F14B	F8F440F2	F24BF3F4	F3F2F84B	F6F040F3	F44BF1F3	40F7F140
3920	F6F8F3F4	F74BF6F6	F64040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
3960	4040F54B	F1F34040	F04BF2F0	60F1F64B	F8F540F2	F24BF0F1	F3F1F04B	F7F940F2	F04BF7F3	40F7F340
4000	F6F8F3F4	F74BF7F0	F84040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4040	4040F54B	F0F34040	F04BF2F2	60F3F94B	F6F840F2	F14BF2F1	F3F2F24B	F2F540F4	F24BF0F3	40F6F840
4080	F6F8F3F4	F74BF7F5	F04040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4120	4040F54B	F0F34040	F04BF2F2	4040F44B	F6F040F2	F94BF8F6	F4F340F1	F44BF8F2	404040F2	40F7F240
4160	F6F8F3F4	F74BF7F9	F14040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4200	4040F54B	F0F64040	F04BF2F2	60F3F94B	F6F840F2	F14BF2F1	F3F2F24B	F2F540F4	F24BF0F3	40F6F840
4240	F6F8F3F4	F74BF8F3	F34040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4280	4040F54B	F7F54040	F04BF0F0	40F1F84B	F2F14040	F04BF0F4	F3F1F44B	F0F640F0	F04BF0F0	40F2F840
4320	F6F8F3F4	F74BF8F7	F54040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4360	4040F54B	F6F24040	F04BF4F5	40F1F54B	F7F840F1	F04BF5F8	F3F5F64B	F2F540F1	F94BF2F5	40F1F440
4400	F6F8F3F4	F74BF9F1	F64040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4440	4040F54B	F7F24040	F04BF8F7	4040F84B	F5F640F1	F74BF8F6	F3F3F04B	F5F840F3	F94BF9F0	40F6F540
4480	F6F8F3F4	F74BF9F5	F84040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4520	4040F54B	F6F04040	F04BF5F1	40F0F44B	F0F940F2	F04BF2F9	F3F4F44B	F6F240F1	F14BF7F3	40F5F940
4560	F6F8F3F4	F84BF0F0	F04040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F1	4BF3F9F8
4600	4040F54B	F2F4040F0	F24040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404040F2	4BF5F3F7
4640	F6F8F3F4	F84BF0F4	F04BF6F8	4040F94B	F2F640F3	F24BF3F4	40F1F34B	F6F840F3	F54BF9F3	40F6F740
4680	4040F54B	F9F04040	F04BF6F5	4040F44B	F0F040F4	4BF1F5F9	404060F1	4BF3F1F3	404060F0	4BF3F3F9
4720	F6F8F3F4	F84BF2F0	F84040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404060F0	4BF3F3F9
4760	4040F54B	F9F04040	F04BF6F5	4040F44B	F0F040F4	4BF1F5F9	404060F1	4BF3F1F3	404060F0	4BF3F3F9
4800	F6F8F3F4	F84BF2F5	F04040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404060F0	4BF3F3F9
4840	4040F54B	F6F74040	F04BF5F3	4060F14B	F1F440F2	F14BF0F7	F3F1F04B	F1F440F3	F74BF4F4	40F7F340
4880	F6F8F3F4	F84BF2F9	F24040F0	4BF04040	404040F2	4BF9F7F0	404060F1	4BF8F2F0	404060F0	4BF3F3F9