799

HELIOS 1 & 2

HOURLY AVERAGED MAGNETIC FIELD DATA

ON FLOPPY DISK

74-097A-02C

76-003A-02C

HELIOS 1 & 2

HR-AVERAGED MAGNETIC FIELD

74-097A-02C

76-003A-02C

THIS DATA SET CONSISTS OF ONE 3.5 INCH FLOPPY DISK WRITTEN IN ASCII FORMAT. THIS DISK CONTAINS 4 ZIPPED FILES. THE FIRST 2 FILES CONTAIN DATA, FILE 3 CONTAINS THE UNZIP PROGRAM AND FILE 4 IS A README FILE.

KF #	FILES	NAME	TIME SPAN
KF000108	1	H1MAG	12/14/74 - 06/14/81
	2	H2MAG	01/17/76 - 03/06/80
	3	PKUNZIP	
	4	README	

HELIOS 1 & 2 Hourly Averaged Magnetic Field Format

NSSDC ID's: 74-097A-02C & 76-003A-02C

ASCII format

12 words/record

Records are formatted: format(1x,I1,3I4,4F7.2,2F6.2,I6,I2)

REFERENCE SYSTEM SOLAR ECLIPTIC

word #	content
1	s/c # (1=HELIOS1, 2=HELIOS2)
2	last 2 digits of the year
3	day of the year
4	hour
5	Bx
6	By
7	Bz
8	<|B|>
9	StD in field vector (*)
10	StD of <|B|> (word 8)
11	# of individual data in each hourly average
12	mode: 0=detailed, 1=average

Detailed means measured in real time mode, i.e. GOOD data

Average means data averaged on board during no tracking or blackouts which maybe wrong if an automatic range change occurred during the average mode operation

(*) sqrt(StD(Bx)**2+StD(By)**2+StD(Bz)**2)
where StD=standard deviation

Text View: D:\helios\h1mag Col 0 1,636,865 Bytes 0%

1	74	348	1	-2.73	3.03	0.27	4.43	1.72	0.06	11832	0
1	74	348	2	-2.39	3.29	-1.75	4.52	0.96	0.24	5568	0
1	74	348	3	1.14	1.79	-1.89	4.26	3.19	0.42	12156	0
1	74	348	4	-0.13	2.39	-1.13	4.19	3.26	0.27	7056	0
1	74	348	5	-3.37	1.13	-0.92	4.39	2.42	0.19	6136	0
1	74	348	6	-4.32	0.20	-1.04	4.58	1.07	0.20	5454	0
1	74	348	7	-3.95	1.34	0.38	4.52	1.71	0.14	6762	0
1	74	348	8	-4.15	0.14	-0.47	4.52	1.72	0.18	17760	0
1	74	348	9	-3.56	1.22	-1.51	4.28	1.37	0.09	8994	0
1	74	348	11	-4.70	0.41	-0.32	4.79	0.78	0.13	10842	0
1	74	348	12	-4.59	-0.05	-1.28	4.86	0.93	0.01	19052	0
1	74	348	13	-4.78	-0.95	-0.30	4.93	0.76	0.24	17532	0
1	74	348	14	-4.54	0.76	0.56	4.77	1.09	0.14	19152	0
1	74	348	15	-4.19	1.66	0.84	4.73	1.16	0.21	19056	0
1	74	348	16	-4.09	2.27	0.49	4.86	1.23	0.10	5976	0
1	74	348	17	-2.64	3.30	0.11	4.42	1.29	0.16	17715	0
1	74	348	18	-3.94	1.59	-0.53	4.44	1.17	0.10	16539	0
1	74	348	19	-4.40	1.13	-0.80	4.63	0.44	0.15	16773	0
1	74	348	20	-3.41	1.98	-1.56	4.37	1.09	0.29	18972	0
1	74	348	21	-1.47	3.67	-1.18	4.53	1.89	0.29	8151	0
1	74	349	0	-1.61	3.20	-1.63	4.49	2.16	0.17	18560	0
1	74	349	1	-1.39	2.60	-0.77	4.66	3.55	0.46	18900	0
1	74	349	2	-3.26	2.42	-1.85	4.80	1.78	0.06	18660	0

1Help 2Unwrap 3 4Hex 5 6 7Search 8Viewer 9 10Quit

1ST HELIOS 1 RECORDS

Text View: D:\helios\h1mag Col 0 1,636,865 Bytes 100%

1	81	164	12	42.14	-4.54	10.45	44.10	11.17	0.83	600	1
1	81	164	13	37.61	-11.50	-3.32	43.72	17.61	1.98	241	1
1	81	164	20	-4.20	-0.95	3.68	4.53	1.63	1.21	8	1
1	81	165	2	32.88	-9.71	2.85	37.19	16.55	1.55	27	1
1	81	165	3	27.48	-23.08	7.26	37.67	13.08	1.20	32	1
1	81	165	4	32.17	-7.16	-1.45	36.02	18.70	3.17	9	1
1	81	165	5	26.70	-13.38	9.39	35.54	21.16	1.67	75	1
1	81	165	6	22.45	-21.36	4.73	36.88	21.05	2.67	154	1
1	81	165	7	35.46	-11.96	-1.69	41.87	19.25	4.61	332	0
1	81	165	8	33.36	-8.00	-8.20	42.81	24.72	4.67	2080	0
1	81	165	9	36.13	11.29	-3.59	43.27	21.22	4.86	924	0
1	81	165	10	37.80	-2.06	-9.24	43.35	19.82	5.69	2124	0
1	81	165	11	35.01	-18.27	-4.24	41.67	13.81	5.65	292	0
1	81	165	12	32.62	-10.45	-4.75	42.24	25.17	6.72	2120	0
1	81	165	13	30.40	-4.14	12.67	43.24	28.40	6.21	2616	0
1	81	165	14	33.29	0.90	4.73	42.63	27.04	6.77	2379	0
1	81	165	15	34.45	-10.28	5.06	42.69	23.45	6.77	2541	0
1	81	165	16	24.76	-24.64	-6.16	43.62	26.20	6.46	1862	0
1	81	165	17	33.87	-17.74	-10.68	43.36	18.56	6.31	1992	0
1	81	165	18	25.67	-25.30	-13.09	43.54	21.58	6.32	1992	0
1	81	165	19	24.87	-21.27	-3.85	44.05	29.95	6.51	2040	0
1	81	165	20	15.26	-33.08	-15.44	45.13	22.53	6.05	1786	0

1Help 2Unwrap 3 4Hex 5 6 7Search 8Viewer 9 10Quit

LAST HELIOS 1 RECORDS

Text View: D:\helios\h2mag Col 0 899,457 Bytes 0%

2	76	17	7	4.59	-3.30	-2.56	6.40	1.64	0.40	5792	0
2	76	17	8	4.90	-3.11	-1.82	6.18	1.14	0.30	18120	0
2	76	17	9	3.70	-2.56	-0.09	4.83	1.76	0.24	18888	0
2	76	17	10	0.81	0.51	1.64	4.48	4.08	0.42	12492	0
2	76	17	11	3.34	-1.06	2.01	4.52	2.35	1.17	17319	0
2	76	17	12	4.16	0.72	2.64	5.87	3.14	0.42	18792	0
2	76	17	13	6.23	0.14	2.73	7.29	2.66	0.50	18840	0
2	76	17	14	5.76	-2.72	1.46	7.06	2.68	0.28	19032	0
2	76	17	15	4.27	-5.42	0.18	7.04	1.42	0.30	19128	0
2	76	17	16	4.91	-4.69	-0.42	7.57	3.33	0.26	17643	0
2	76	17	17	3.25	-3.33	-3.07	7.01	4.31	0.64	19176	0
2	76	17	18	1.56	-4.75	-3.50	6.69	2.76	0.32	17988	0
2	76	17	19	3.78	-4.20	-2.68	6.82	2.74	0.29	19044	0
2	76	17	20	1.34	-3.73	-2.64	6.89	5.00	0.46	13765	0
2	76	17	22	4.01	-5.93	-1.42	7.48	1.64	0.27	6374	0
2	76	17	23	4.10	-3.70	0.26	7.02	4.36	0.62	19054	0
2	76	18	0	5.63	1.57	2.91	6.58	0.85	0.15	2328	0
2	76	18	2	3.47	-5.26	1.60	7.04	2.74	0.47	15521	0
2	76	18	3	1.10	-4.79	-1.87	6.27	3.49	0.76	9587	0
2	76	18	4	0.79	-4.89	-1.94	6.38	3.57	0.53	9096	0
2	76	18	5	-1.83	-2.96	-4.55	7.15	4.32	0.69	18684	0
2	76	18	6	1.49	-3.28	-1.65	5.70	4.14	0.61	16896	0
2	76	18	7	2.61	-2.10	0.33	4.95	3.72	0.84	18912	0

1st HELIOS 2 RECORDS

1Help 2Unwrap 3 4Hex 5 6 7Search 8Viewer 9 10Quit

Text View: D:\helios\h2mag Col 0 899,457 Bytes 100%

2	80	66	17	2.75	-7.06	-3.89	8.65	1.81	1.07	8609	0
2	80	66	18	0.88	-2.00	-1.67	7.15	6.90	2.02	8028	0
2	80	66	19	-4.09	5.20	1.93	7.15	2.23	1.09	7920	0
2	80	66	20	-5.46	2.92	2.88	7.16	2.42	1.07	7327	0
2	80	66	21	-5.62	3.61	2.37	7.41	2.42	1.09	2856	0
2	80	66	22	-4.45	1.13	2.70	4.95	0.99	0.28	300	1
2	80	66	23	-3.72	1.99	2.77	5.08	2.33	0.38	296	1
2	80	67	2	-5.29	3.75	1.44	7.13	2.70	0.82	2813	0
2	80	67	3	-6.01	2.77	1.16	7.03	2.09	0.36	934	0
2	80	67	13	-4.92	3.26	0.92	6.01	0.64	0.25	715	0
2	80	67	14	-2.91	4.74	0.92	5.95	1.95	0.24	6510	0
2	80	67	15	-3.19	4.59	1.20	5.87	1.37	0.36	8316	0
2	80	67	16	-3.90	3.84	1.26	5.67	0.77	0.23	8880	0
2	80	67	17	-4.39	2.80	-0.63	5.59	1.98	0.35	8891	0
2	80	67	18	-4.56	3.13	1.50	5.79	0.89	0.29	8419	0
2	80	67	19	-4.82	2.89	2.05	6.10	1.22	0.09	7575	0
2	80	67	20	-4.31	4.34	1.00	6.22	0.61	0.33	7680	0
2	80	67	21	-4.26	4.20	-0.66	6.21	1.50	0.04	6600	0
2	80	67	22	-3.75	4.42	-1.25	6.05	1.18	0.26	9284	0
2	80	67	23	-3.06	3.87	-2.02	5.81	2.31	0.13	8136	0
2	80	68	0	-3.12	4.05	-1.67	5.63	1.68	0.24	4740	0
2	80	68	16	-1.92	0.38	-4.05	5.34	2.92	0.46	6445	0

LAST HELIOS 2 RECORDS

1Help 2Unwrap 3 4Hex 5 6 7Search 8Viewer 9 10Quit