770

Phobos

45-sec. mag fld vectors - se coords

88-059A_-02A

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

PHOBOS 2

45-SEC. MAG. FLD. VECTORS - SE COORDS

88-059A-02A PSFP-00094

THIS DATA SET CONSISTS OF FOUR 5 1/4" FLOPPY DISKS, PC COMPATABLE, WRITTEN IN BINARY. THERE ARE FOUR 3.5" FLOPPY DISKS FOR BACK-UP STORED IN THE FLOPPY BACK-UP CASE. HARD COPIES OF THE DIRECTORIES FOR EACH FLOPPY ARE CONTAINED IN THIS CATALOG. THERE IS A COPY OF THE READ-ME FILE CONTAINED ON KF000073 ALSO INCLUDED IN THIS CATALOG. THE KF NUMBERS ALONG WITH THE TIME SPANS AND NUMBER OF FILES FOLLOWS

KF	FILES	TIME SPAN
KF000070	55	07/22/88 - 09/25/88
KF000071	46	09/26/88 - 10/31/88
KF000072	56	11/01/88 - 12/26/88
KF000073	29*	12/27/88 - 02/20/89

* 4 FILES AND 25 FILES IN SUB-DIRECTORY

KD

*KD022790
*KD022791
*KD022792
*KD022793

Data were migrated to new media on 12-15-2004.

Dsc # 770

FULL DATASET LISTING OF 88-059A-02A

PHOBOS 2, 45-SEC MAG FLD VECTORS - SE COORDS

SYSTEM: PC MODE:

MEDIA #	COPY #	RECEIVED	DENS	TR	FILES	LOCATION	TIME SPAN
KF 000070		03/16/93		0	0	DSKFIL	/ / - / /
KF 000071		03/16/93		0	0	DSKFIL	/ / - / /
KF 000072		03/16/93		0	0	DSKFIL	/ / - / /
KF 000073		03/16/93		0	0	DSKFIL	/ / - / /

Read.me file

FORMAT DESCRIPTION

Each logical record consists from 10 the following columns
(see a sample below)

N 1	2	3	4	5	6	7	8	9	10
88	7	22	9	16	6	5.15	-3.60	-8.46	10.5
88	7	22	9	16	51	-4.47	-3.65	-8.76	10.4
88	7	22	9	17	36	-4.66	-4.43	-8.12	10.3
88	7	22	9	18	21	-4.42	-4.38	-8.17	10.2
88	7	22	9	19	6	-3.88	-4.38	-8.46	10.2
88	7	22	9	19	51	-3.78	-4.53	-8.32	10.2

N1 - year
N2 - month
N3 - day
N4 - hour
N5 - min
N6 - sec
N7 - Bx in nT (SE coordinate system)
N8 - By in nT (SE coordinate system)
N9 - Bz in nT (SE coordinate system)
N10 - B module in nT

The data covers interval from 22.07.1988 to 20.01.1989 with 45 second temporal resolution when Phobos 2 vehicle was in interplanetary medium. Gaps in data (telemetry malfunction and so on) comprise about 10 % of the interval.
The experiment was conducted by Space Research Institute of Austrian Academy of Sciences (Dr. K. Schwingenschuh) and IZMIRAN of Russian Academy of Sciences (Drs. E. Eroshenko and V.Styazhkin). Final data procession was done in IZMIRAN and all questions must be referred to IZMIRAN people or me.

PKARC software was used to archive the data. Every day of data constitute a separate file with name ph2ddmm.arc
where ph2 stands for Phobos 2 mission, mm - month and dd - day of measurements. For convenience the software is presented on this floppy as well.

* written in Binary

```
 Volume in drive A has no label
 Volume Serial Number is 12F1-2352
  irectory of A:\

DATA         <DIR>          09-12-95   7:04a
READ     ME          1,585 12-11-92   1:26p
PKARC    COM        19,573 04-27-87  12:00a
PKXARC   COM        12,242 04-27-87  12:00a
        4 file(s)         33,400 bytes
                         875,520 bytes free
```

Volume in drive A has no label
Volume Serial Number is 12F3-1162
Directory of A:\

PH21509	ARC	14,660	12-10-92	2:55p
PH21409	ARC	23,541	12-10-92	2:55p
PH21309	ARC	22,706	12-10-92	2:54p
PH21209	ARC	21,182	12-10-92	2:54p
PH21109	ARC	24,527	12-10-92	2:54p
PH21009	ARC	22,881	12-10-92	2:53p
PH20909	ARC	23,496	12-10-92	2:53p
PH20809	ARC	21,834	12-10-92	2:53p
PH20709	ARC	18,057	12-10-92	2:53p
PH20609	ARC	2,821	12-10-92	2:52p
PH20409	ARC	8,527	12-10-92	2:52p
PH20309	ARC	23,087	12-10-92	2:52p
PH20209	ARC	20,939	12-10-92	2:51p
PH20109	ARC	19,866	12-10-92	2:50p
PH23108	ARC	22,947	12-10-92	2:36p
PH23008	ARC	23,428	12-10-92	2:36p
PH22908	ARC	22,835	12-10-92	2:35p
PH22808	ARC	18,229	12-10-92	2:35p
PH22708	ARC	22,852	12-10-92	2:35p
PH22608	ARC	24,496	12-10-92	2:34p
PH22508	ARC	22,387	12-10-92	2:34p
PH22408	ARC	23,739	12-10-92	2:34p
PH22308	ARC	21,813	12-10-92	2:34p
PH22208	ARC	22,205	12-10-92	2:33p
22108	ARC	24,520	12-10-92	2:33p
PH22008	ARC	24,637	12-10-92	2:33p
PH21908	ARC	23,186	12-10-92	2:33p
PH21808	ARC	913	12-10-92	2:32p
PH21708	ARC	22,474	12-10-92	2:32p
PH21608	ARC	22,608	12-10-92	2:32p
PH21508	ARC	23,729	12-10-92	2:21p
PH21408	ARC	21,456	12-10-92	2:20p
PH21308	ARC	23,574	12-10-92	2:20p
PH21208	ARC	21,694	12-10-92	2:20p
PH21108	ARC	22,807	12-10-92	2:20p
PH21008	ARC	24,376	12-10-92	2:19p
PH20908	ARC	15,901	12-10-92	2:19p
PH20808	ARC	16,033	12-10-92	2:19p
PH20708	ARC	23,340	12-10-92	2:18p
PH20608	ARC	23,859	12-10-92	2:17p
PH20508	ARC	18,290	12-10-92	2:17p
PH20408	ARC	20,510	12-10-92	2:17p
PH20308	ARC	23,019	12-10-92	2:17p
PH20208	ARC	19,514	12-10-92	2:16p
PH20108	ARC	23,086	12-10-92	2:16p
PH23107	ARC	23,157	12-10-92	1:53p
PH23007	ARC	20,475	12-10-92	1:53p
PH22907	ARC	23,056	12-10-92	1:52p
PH22807	ARC	22,746	12-10-92	1:52p
PH22707	ARC	21,906	12-10-92	1:51p
PH22607	ARC	21,592	12-10-92	1:50p
PH22507	ARC	18,725	12-10-92	1:50p
PH22407	ARC	23,282	12-10-92	1:49p
PH22307	ARC	19,325	12-10-92	1:49p
PH22207	ARC	14,791	12-10-92	1:48p

Volume in drive A has no label
Volume Serial Number is 12EB-3A66
rectory of A:\

PH23110	ARC	19,421	12-10-92	3:29p
PH23010	ARC	20,180	12-10-92	3:29p
PH22910	ARC	23,153	12-10-92	3:29p
PH22810	ARC	23,610	12-10-92	3:28p
PH22710	ARC	20,128	12-10-92	3:28p
PH22610	ARC	23,068	12-10-92	3:28p
PH22510	ARC	21,922	12-10-92	3:28p
PH22410	ARC	18,754	12-10-92	3:28p
PH22310	ARC	22,266	12-10-92	3:27p
PH22210	ARC	22,376	12-10-92	3:27p
PH22110	ARC	22,351	12-10-92	3:27p
PH22010	ARC	21,263	12-10-92	3:27p
PH21910	ARC	23,828	12-10-92	3:27p
PH21810	ARC	26,341	12-10-92	3:26p
PH21710	ARC	25,170	12-10-92	3:26p
PH21610	ARC	20,393	12-10-92	3:26p
PH21510	ARC	23,760	12-10-92	3:26p
PH21410	ARC	23,266	12-10-92	3:26p
PH21310	ARC	20,950	12-10-92	3:25p
PH21210	ARC	21,743	12-10-92	3:25p
PH21110	ARC	26,145	12-10-92	3:25p
PH21010	ARC	21,363	12-10-92	3:25p
PH20910	ARC	23,269	12-10-92	3:24p
[illegible]20810	ARC	23,872	12-10-92	3:24p
[illegible]20710	ARC	25,679	12-10-92	3:24p
PH20610	ARC	22,949	12-10-92	3:24p
PH20510	ARC	22,375	12-10-92	3:24p
PH20410	ARC	22,861	12-10-92	3:23p
PH20310	ARC	21,860	12-10-92	3:23p
PH20210	ARC	23,578	12-10-92	3:23p
PH20110	ARC	25,751	12-10-92	3:22p
PH23009	ARC	23,665	12-10-92	3:00p
PH22909	ARC	23,048	12-10-92	3:00p
PH22809	ARC	23,386	12-10-92	2:59p
PH22709	ARC	25,507	12-10-92	2:59p
PH22609	ARC	21,844	12-10-92	2:59p
PH22509	ARC	23,011	12-10-92	2:58p
PH22409	ARC	23,970	12-10-92	2:58p
PH22309	ARC	24,210	12-10-92	2:58p
PH22209	ARC	21,720	12-10-92	2:58p
PH22109	ARC	24,394	12-10-92	2:58p
PH22009	ARC	21,056	12-10-92	2:56p
PH21909	ARC	25,099	12-10-92	2:56p
PH21809	ARC	23,987	12-10-92	2:56p
PH21709	ARC	24,062	12-10-92	2:56p
PH21609	ARC	22,296	12-10-92	2:55p

46 file(s) 1,054,900 bytes
391,168 bytes free

Volume in drive A has no label
Volume Serial Number is 12EF-2741
.rectory of A:\

PH22612	ARC	14,575	12-10-92	4:33p
PH22512	ARC	23,846	12-10-92	4:33p
PH22412	ARC	24,077	12-10-92	4:28p
PH22312	ARC	20,275	12-10-92	4:28p
PH22212	ARC	20,807	12-10-92	4:28p
PH22112	ARC	24,676	12-10-92	4:28p
PH22012	ARC	25,588	12-10-92	4:27p
PH21912	ARC	19,257	12-10-92	4:27p
PH21812	ARC	20,347	12-10-92	4:27p
PH21712	ARC	21,840	12-10-92	4:26p
PH21612	ARC	21,031	12-10-92	4:26p
PH21512	ARC	23,111	12-10-92	4:26p
PH21412	ARC	21,236	12-10-92	4:26p
PH21312	ARC	24,883	12-10-92	4:25p
PH21212	ARC	20,718	12-10-92	4:25p
PH21112	ARC	25,248	12-10-92	4:25p
PH21012	ARC	23,050	12-10-92	4:24p
PH20912	ARC	20,991	12-10-92	4:24p
PH20812	ARC	18,628	12-10-92	4:23p
PH20712	ARC	19,091	12-10-92	4:23p
PH20612	ARC	21,275	12-10-92	4:23p
PH20512	ARC	19,939	12-10-92	4:22p
PH20412	ARC	19,070	12-10-92	4:22p
[illegible]20312	ARC	19,012	12-10-92	4:22p
[illegible]20212	ARC	13,363	12-10-92	4:21p
PH20112	ARC	11,951	12-10-92	4:21p
PH23011	ARC	17,142	12-10-92	3:57p
PH22911	ARC	20,363	12-10-92	3:57p
PH22811	ARC	20,479	12-10-92	3:57p
PH22711	ARC	23,404	12-10-92	3:57p
PH22611	ARC	22,967	12-10-92	3:53p
PH22511	ARC	23,740	12-10-92	3:53p
PH22411	ARC	19,691	12-10-92	3:53p
PH22311	ARC	19,150	12-10-92	3:53p
PH22211	ARC	23,054	12-10-92	3:53p
PH22111	ARC	13,213	12-10-92	3:52p
PH22011	ARC	21,951	12-10-92	3:52p
PH21911	ARC	22,539	12-10-92	3:52p
PH21811	ARC	22,488	12-10-92	3:52p
PH21711	ARC	19,601	12-10-92	3:51p
PH21611	ARC	23,134	12-10-92	3:51p
PH21511	ARC	18,810	12-10-92	3:51p
PH21411	ARC	17,307	12-10-92	3:51p
PH21311	ARC	24,805	12-10-92	3:51p
PH21211	ARC	23,622	12-10-92	3:50p
PH21111	ARC	21,901	12-10-92	3:50p
PH21011	ARC	24,646	12-10-92	3:50p
PH20911	ARC	18,911	12-10-92	3:49p
PH20811	ARC	22,759	12-10-92	3:49p
[illegible]20711	ARC	23,838	12-10-92	3:49p
PH20611	ARC	22,016	12-10-92	3:49p
PH20511	ARC	21,696	12-10-92	3:49p
PH20411	ARC	20,056	12-10-92	3:48p
PH20311	ARC	24,616	12-10-92	3:48p
PH20211	ARC	23,852	12-10-92	3:23p

```
PH20111  ARC        26,248 12-10-92   3:22p
       56 file(s)      1,185,884 bytes
                         257,024 bytes free
```