

561

PROGNOZ 9

83-067A-03B - SPMS-00600

5-MINUTE AVERAGED MAGNETOMETER

PROGNOZ 8

80-103A-02A-SPHE-00579

8 MIN PROTON AND ALPHA DATA

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

REQ. AGENT

JAR

ACQ. AGENT

HKH

PROGNOZ 9

5-MINUTE AVERAGED MAGNETOMETER

83-067A-03B SPMS-00600

This data set consists of one 9-track, 1600 BPI, 52 files, binary magnetic tapes, created on IBM-360 computer. D and C numbers along with the time span are as follows:

D#	C#	TIME SPAN
---	---	-----
D-79227	C-27026	07/03/83 - 02/10/84

Prognoz 9 magnetic field measurements

PROGNOZ 9 satellite was launched on July 1, 1983. It has 750 000 km apogee, 65 000 km perigee and 19 day rotation period. Magnetic field was measured by three-component magnetometer of accuracy 0.5 nT in the range 0 - 60 nT every 10,24 sec.

5 - minutes averaged B_x , B_y , B_z and module AB in GSE; B_y and B_z in GSM, B_x and B_z in SM are presented. Parameters β , θ , ψ in GSE were calculated from 5 minutes averaged B_x , B_y , B_z in GSE.

Data from July 3, 1983 till February 10, 1984 are written on the tape. There are 52 files corresponding to 52 intervals of observations (See Appendix). Fixed length blocks of 8284 bytes constitute a file. All data in a block are 4-bytes, real, binary.

Block structure

1. Block number
 2. Year)
 3. Month)
 4. Day) Moscow time
 5. Hour)
 6. Minute)
 7. X GSE)
 8. Y GSE)
 9. Z GSE) Satellite coordinates
 10. Y GSM)
 11. Z GSM)
 12. X SM)
 13. Z SM)
 14. B_x GSE)
 15. B_y GSE)
 16. B_z GSE)
 17. AB) 5-minutes averaged IMF
 18. β) components and module
 19. θ)
 20. ψ)
 21. B_x GSM)
 22. B_z GSM)
 23. B_x SM)
 24. B_z SM)
- and so on.

90 such sets constitute a block ($4 + 23 \times 4 \times 90 = 8.284$). Data gaps mean:

- wrong measurements;
- absence of measurements;
- telemetry errors;
- absence of orientation data.

Attention

Y and Z components have artificial modulation with periods ~ 5 and ~ 10 hours due to ~~unknown~~ unknown reason for the following intervals:

30.09 - 3.10

10.10 - 11.10

14.10 - 17.10

28.10 - 1.11

23.12 - 27.12

5 Minute Averaged B Vector Data

NSSDC ID: SPMS-00600

Other ID

83-067A-03B

Availability: At NSSDC, Ready for Offline Distribution (or Staging if Digital)

Time Span: 1983-07-03 to 1984-02-07 (as determined by NSSDC)

Description

This data set contains 5-min averages of the magnetic field vector. Each record provides time, spacecraft location (km) in GSM and GSE coordinates, and average magnetic field vector components (nT) in each coordinate system. Also given are the 5-min average of the field magnitude, derived from the averaged components, the average magnitude directly computed from high resolution magnitude values, and the average direction angles theta and phi in the GSE system. There are 52 files corresponding to 52 intervals of observations. The data are written in fixed length blocks of 8,284 bytes. All data in a block are 4-bytes, real and binary.

Mission Name: Experiment

Prognoz 9: Triaxial Fluxgate Magnetometer

Disciplines

Space Physics: Heliospheric Studies

Space Physics: Magnetospheric Studies

Media Information

1 Digital Magnetic Tape

Personnel Information

Experiment Information

Mission Information

[NSSDC Space Physics page](#)

[NSSDC home page](#)



For questions about this dataset, please contact:

Dr. H. Kent Hills

GSFC-Code 633

NASA Goddard Space Flight Center, Greenbelt, MD 20771

301-286-9431

hills@nssdc.gsfc.nasa.gov

NSA/C Security and Privacy Statement

NASA Official: Ed Grayzeck, edwin.j.grayzeck@nasa.gov

Last Updated: 2003-04-04

Output Generated: 2004-12-15

Programming by: E. V. Bell, II (ed.bell@gsfc.nasa.gov)

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 83-067A-03B ✓
DATE DATA RECEIVED: 4/6/89
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____
JSC?

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <i>1 mag tape</i>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: PROGNØZ 9
EXPERIMENT NAME: MAGNETOMETER
DATA SET FULL NAME: 5-MIN AVERAGED B VECTOR
CONTACT: _____ ACQUISITION SCIENTIST: AKH
FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD
THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)
ACCESSION UNIT NUMBERS: D-79227
C-27026

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

Ralph Post
DATA TECHNICIAN

МЕЖДУВЕДОМСТВЕННЫЙ ГЕОФИЗИЧЕСКИЙ КОМИТЕТ АН СССР
SOVIET GEOPHYSICAL COMMITTEE ACADEMY OF SCIENCES OF THE USSR

МИРОВОЙ ЦЕНТР
ДАННЫХ Б2

117296, Москва, ГСП-1,
Молодежная ул., 3; тел. 130-05-46

Ref. No. 2



WORLD DATA
CENTER B2

Molodezhnaya, 3, Moscow, 117296, USSR
Tel. 130-05-46

« 3 » January 1989 г.

Dr. Joseph H. King
Head

Central Data Services Facility
National Space Science Data Center
NASA/GSFC, Code 630.2
Greenbelt, MD 20771
U.S.A.

Dear Doctor King:

PROGENOZ

Please find enclosed tape with ~~Meteor~~ 9 magnetic field data.
Tape is 1600 bpi, NL, binary. Dr. E.G. Eroshenko is prime investi-
gator, Dr. V.A. Styazhkin is responsible for data processing.
Hope you'll have no difficulties with reading the tape.

Sincerely yours,

A. Feldstein

A. Feldstein

Moscow time

МОСКОВСКОЕ ВРЕМЯ

N ФАЙЛ file	beginning НАЧАЛО	end КОНЕЦ
1	03,07,1983 г.	01 30 04,07 1983 г., 19 45
2	04,07	22 50 05,07 19 45
3	05,07	21 05 08,07 19 35
4	08,07	21 50 12,07 19 30
5	12,07	22 50 16,07 20 45
6	16,07	22 40 20,07 19 30
7	20,07	22 25 22,07 19 45
8	25,07	09 45 25,07 19 15
9	25,07	23 15 29,07 16 35
10	29,07	19 25 02,08 17 05
11	09,08	23 25 12,08 17 45
12	12,08	20 15 15,08 18 15
13	15,08	20 40 19,08 18 00
14	19,08	21 05 23,08 14 55
15	23,08	20 55 26,08 11 35
16	26,08	17 30 30,08 17 45
17	30,08	23 40 02,09 16 00
18	02,09	18 25 06,09 15 20
19	06,09	21 00 09,09 16 40
20	09,09	18 55 12,09 17 15
21	13,09	03 25 14,09 20 25
22	14,09	22 40 16,09 14 15
23	17,09	11 00 20,09 11 25
24	20,09	12 30 23,09 13 15
25	23,09	15 45 26,09 14 05
26	26,09	16 15 30,09 12 10
27	30,09	20 55 03,10 15 30
28	03,10	17 40 06,10 15 35
29	09,10	13 10 11,10 14 35
30	11,10	17 40 14,10 11 15
31	14,10	15 10 17,10 12 25
32	21,10	12 55 25,10 19 50
33	25,10	19 50 28,10 08 40
34	28,10	17 00 01,11 10 55
35	01,11	11 35 05,11 10 55
36	13,11	15 55 16,11 11 00
37	16,11	13 20 18,11 11 15
38	18,11	13 40 21,11 12 50
39	21,11	15 30 28,11 04 05
40	05,12	15 35 07,12 10 40
41	07,12	14 10 12,12 10 00
42	12,12	12 45 15,12 07 15
43	19,12	15 50 23,12 10 05
44	23,12	13 10 27,12 10 05
45	27,12	12 50 03,01,1984 г., 08 20
46	03,01,1984 г.	18 40 06,01 09 15
47	06,01	12 00 12,01 14 20
48	12,01	18 55 20,01 16 10
49	20,01	20 30 27,01 01 20
50	27,01	12 50 03,02 16 05
51	04,02	07 25 07,02 13 55
52	07,02	22 50 10,02 14 15

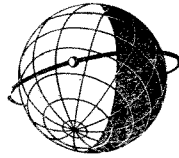
N ФАЙЛ file	beginning НАЧАЛО	end КОНЕЦ
1	03.07.1983 г.	04.07 1983 г.
2	04.07	05.07
3	05.07	08.07
4	08.07	12.07
5	12.07	16.07
6	16.07	20.07
7	20.07	22.07
8	25.07	25.07
9	25.07	29.07
10	29.07	02.08
11	09.08	12.08
12	12.08	15.08
13	15.08	19.08
14	19.08	23.08
15	23.08	26.08
16	26.08	30.08
17	30.08	02.09
18	02.09	06.09
19	06.09	09.09
20	09.09	12.09
21	13.09	14.09
22	14.09	16.09
23	17.09	20.09
24	20.09	23.09
25	23.09	26.09
26	26.09	30.09
27	30.09	03.10
28	03.10	06.10
29	09.10	11.10
30	11.10	14.10
31	14.10	17.10
32	21.10	25.10
33	25.10	28.10
34	28.10	01.11
35	01.11	05.11
36	13.11	16.11
37	16.11	18.11
38	18.11	21.11
39	21.11	28.11
40	05.12	07.12
41	07.12	12.12
42	12.12	15.12
43	19.12	23.12
44	23.12	27.12
45	27.12	03.01.1984 г.
46	03.01.1984 г.	06.01
47	06.01	12.01
48	12.01	20.01
49	20.01	27.01
50	27.01	03.02
51	04.02	07.02
52	07.02	10.02

МЕЖДУВЕДОМСТВЕННЫЙ ГЕОФИЗИЧЕСКИЙ КОМИТЕТ АН СССР
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A. Feldstein

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ОС ЕС МАТА РЕД, 5,4М 28,12,88 МЛ БЕЗ МЕТОК СПРАВКА С ВЫХОДНОЙ МЛ ТО

МЕТ РАЖ	МЕТ ФОР МАТ ПИСЬ	ЗА	МАКС БЛОК	МИН. БЛОК	БЛО СВО КОР ЕД	ДОПОЛН СВЕДЕНИЯ	М П/П	И М Я НАБОРА ДАННЫХ	ИТОГО БАЙТОВ	КОГДА СОЗДАН	КС	КОНТР, СУММА
	Легhty Format meters		max block	min block	blocks each				Byte count			check sum
1	F		8284	8284	6		1		49704		AB05	998B328E
1	F		8284	8284	3		2		24852		FEB4	A2B55C01
3	F		8284	8284	10		3		82840		A26C	D56B7707
5	F		8284	8284	13		4		107692		5ACB	C3A1996A
7	F		8284	8284	13		5		107692		5D96	D92E84BB
9	F		8284	8284	13		6		107692		8E76	17B49902
10	F		8284	8284	7		7		57988		2A08	35A31FAB
10			8284	8284	2		8		16568		CE09	FD513358
12	F		8284	8284	11		9		91124		E035	F2F712C2
13	F		8284	8284	13		10		107692		1983	A46BBDE8
15	F		8284	8284	9		11		74556		4B90	9F05D495
16	F		8284	8284	10		12		82840		C526	34F6F1D0
18	F		8284	8284	13		13		107692		04CC	DDA5D969
20	F		8284	8284	12		14		99408		8CC6	4AE3C625
21	F		8284	8284	9		15		74556		CE36	BBF075C6
23	F		8284	8284	13		16		107692		4E5A	4EEB00B1
24	F		8284	8284	9		17		74556		5B24	891ED23A
26	F		8284	8284	13		18		107692		6191	57AC363D
28	F		8284	8284	10		19		82840		2500	BE689BA8
29	F		8284	8284	10		20		82840		21AE	8C1CADB2
30	F		8284	8284	6		21		49704		2E78	E206CC7E
31	F		8284	8284	6		22		49704		2183	162237A1
32	U		8284		10		23		74556		ECF9	2D42C1BB
34	F		8284	8284	10		24		82840		D95E	DE9E07C0
35	F		8284	8284	10		25		82840		A79A	A56402FE
37	F		8284	8284	13		26		107692		C273	5F479D34
39	F		8284	8284	9		27		74556		F91C	DE0D2711
40	F		8284	8284	10		28		82840		EAE8	A58B4F63
41	F		8284	8284	7		29		57988		CB7A	FB9130EB
43	F		8284	8284	9		30		74556		FD14	2CC6D1D2
44	F		8284	8284	10		31		82840		173F	594B4E74
45	F		8284	8284	10		32		82840		E8DE	BD3F55E1
47	F		8284	8284	8		33		66272		E652	2FB8C9EA
49	F		8284	8284	13		34		107692		473F	713B3604
50	F		8284	8284	12		35		99408		5128	575F0677
52	F		8284	8284	9		36		74556		3F2B	E05EDF75
53	F		8284	8284	7		37		57988		0F41	873B887A
54	F		8284	8284	10		38		82840		83A6	09CA8A6C
57	F		8284	8284	21		39		173964		D25C	6125B379
58	F		8284	8284	6		40		49704		64C3	1E3B7AF8
61	F		8284	8284	16		41		132544		73E0	71E00200
62	F		8284	8284	9		42		74556		822E	11ED93C3
64	F		8284	8284	13		43		107692		F1A5	D76526C0
65	F		8284	8284	11		44		91124		B2DA	ADA51F7F
69	F		8284	8284	22		45		182248		B7B5	9B942C21
70	F		8284	8284	9		46		74556		9871	E4277C56
73	F		8284	8284	20		47		165680		A2D7	6141C396
76	F		8284	8284	24		48		198816		14CD	C29BD656
79	F		8284	8284	17		49		140828		1767	B405A3A2
82	F		8284	8284	23		50		190532		3FED	CA5EF5B3
84	F		8284	8284	11		51		91124		D55E	0D6DD833
85	F		8284	8284	9		52		74556		F883	3641CEC2

cumulative length, meters

Блок count ИТОГО БЛОКОВ: 632 (включая марки)
 Byte count БАЙТОВ: 4788152
 length in meters МЕТРОВ: 85 (63 БАЙТ/ММ)
 контрольная СУММА: 8439 (63 bytes/mm)
 control sum

INPUT TAPE J1-IN ON FT1
DATA INPUT H9 NF 52 FL 1 1 1 SR 52 1 1 SR 52 LAST 1

FILE	1	RECORD	1	LENGTH	8284	BYTES						
(0)	41100000	42530000	41700000	41300000	41100000	421E0000	C213EC7D	C1D301A2	42217E6B	C211ADD3		
(40)	421F576F	C21EABA2	4214F4E5	C159D659	4140E2B6	C13C8AEC	4183E8B2	417E4753	C21CA60D	42502939		
(80)	41489909	C132FC54	C13E6598	C1524829	42530000	41700000	41300000	41100000	42230000	C213F68C		
(120)	C1D3719D	422189EA	C211B4B2	421F62C7	C21EA248	42151CFB	C154088D	412748F4	C14FFD1D	4180AC32		
(160)	4175D62E	C2286A33	429AF19B	4131C9C1	C148C9C2	C130C3FD	C163E04B	42E30000	41700000	41300000		
(200)	41100000	42280000	C214009A	C1D3E17B	42219564	C211BAC5	421F6E8C	C21E98E9	42154574	C12CFAEC		
(240)	413B1476	C165BAC1	418BC810	417DF254	C235DFA9	427F489B	41487FC7	C15C9879	C057FC22	C166CA2F		
(280)	42530000	41700000	41300000	41100000	42200000	C2140AA3	C1D4E129	4221A0DA	C211C00C	421F7ABF		
(320)	C21E8F86	42156E4E	C128C653	41568444	C172E3AF	41C5BFE5	41957D74	C232351E	42733BF7	4165703B		
(360)	C165E0EE	4017D559	C160B7E0	42530000	41700000	41300000	41100000	42320000	C21414AC	C1E4C0C8		
(400)	4221AC4C	C211C460	421F8776	C21E855F	421598B3	C13082B3	413BE5B1	C188176E	41B78155	419C6721		
(440)	C23C7966	42810100	414DEFB3	C17E910D	40343911	C187793D	42530000	41700000	41300000	41100000		
(480)	42370000	C2141EB1	C1D5303E	4221B7B8	C211C80A	421F9485	C21E7BF8	4215C23D	C1423108	41346E9A		
(520)	C1658EA)	41A152A7	418413A9	C23241E5	428D9DC6	4141C4C5	C15D6D09	C11A2BA0	C16F66EF	42530000		
(560)	41700000	41300000	41200000	00000000	C21428B5	C1D59F92	4221C321	C211CAEA	421FA203	C21E7295		
(600)	4215EC1B	C13BFD24	4142451C	C16B9D74	41A0D258	418EE5C7	C232492B	428426FE	41503BD9	C16196C1		
(640)	C113563E	C170E016	42530000	41700000	41300000	41200000	41500000	C21432B5	C1D60EDD	4221CE86		
(680)	C211CCC6	421FB00D	C21E6870	42161782	C139D899	415CB4BB	C142D8FD	419A9533	41801928	C21F74C7		
(720)	4279F68F	41E4D941	C13584B3	C121F9AB	C14734DB	42E30000	41700000	41300000	41200000	41A00000		
(760)	C2143CB5	C1D67DE7	4221D9E6	C211CE0B	421F8E64	C21E5F13	421641FA	C13E84C7	415818A5	C1446C32		
(800)	4194FE34	417FDF2C	C2215993	427D5CA7	41637070	C137F6F0	C125DB26	C14ADD03	42530000	41700000		
(840)	41300000	41200000	41F00000	C21446B0	C1D6ECE4	4221E542	C211CE88	421FCD25	C21E55B8	42166CBB		
(880)	C12B730C	41EC2A84	C129FEB4	4210D0CA	41F3C62F	C19EB790	42646CB6	41EF9308	C0A27ECB	C124D6CC		
(920)	C1191FF2	42530000	41700000	41300000	41200000	42140000	C21450AC	C1D75BC5	4221F055	C211CDF0		
(960)	421FDC7B	C21E4BA7	421698FC	C11CB2B1	415AC4AD	C151D2FB	418D9033	417D8788	C228AE0C	42688399		
(1000)	4164C15D	C14516D5	C022A3A9	C14AC5FF	42530000	41700000	41300000	41200000	42190000	C2145AA2		
(1040)	C1D7CA7E	4221FBEE	C211CCD7	421FEC13	C21E425D	4216C441	C11A1714	417819D7	C13DCB01	41900300		
(1080)	41898FDF	C21AB142	4266419B	417F1DA1	C12D8044	C0863B86	C133BF2C	42530000	41700000	41300000		
(1120)	41200000	421E0000	C2146497	C1D8390C	4222073C	C211CAF8	421FFC0E	C21E391E	4216EFBB	C1909458		
(1160)	4177A5D7	C124EEBE	41DCDC3C	41BF4432	C1E222A4	428C63E8	417B649B	C1151165	C1802C6D	C1460CDA		
(1200)	42530000	41700000	41300000	41200000	42230000	C2146E8B	C1D8A783	42221287	C211C853	42200C70		
(1240)	C21E2FEA	42171B6C	C1228047	41DFD446	C12FF6A1	421132A1	41E77EEE	C1BF529E	4262C33E	41E40B1A		
(1280)	C112CE6B	C119EB3C	C11596CC	42530000	41700000	41300000	41200000	42280000	C214787B	C1D915DE		
(1320)	42221DCE	C211C481	4221D771	C21E2605	42174894	C11E88E4	41D13D11	C15ECF8B	41F80A44	41E7BC6D		
(1360)	C2182642	42624D81	41D58470	414367B8	C05BC58A	C149C2A7	42530000	41700000	41300000	41200000		
(1400)	42200000	C214826A	C1D98429	42222910	C211C04F	42202E9F	C21E1CF2	421774A3	C0488BD0	41F05B39		
(1440)	C1722776	421189FC	4210A23A	C2196690	425B14AA	41FCB496	C152FF07	4117B498	C14FB2F9	42530000		
(1480)	41700000	41300000	41200000	42320000	C2148C67	C1D9F238	4222344F	C2118B56	4220402F	C21E13ED		
(1520)	4217A0DD	4178CAB1	41E4CB4F	C18A0874	4212930B	42122848	C21C8CC8	423DBFD7	41F03846	C16DD4D8		
(1560)	41968908	C13F5733	42530000	41700000	41300000	41200000	42370000	C2149641	C1DA6039	42223F89		
(1600)	C211B523	42205262	C21E0A41	4217CEB1	4137BF73	41D161D5	C17138F2	41FD2FC4	41F4759A	C21B96C3		
(1640)	424B1743	41DD9A6E	C156AF55	415136A8	C13F7BFC	42530000	41700000	41300000	41300000	00000000		
(1680)	C214A027	C1DACE0D	42224ABF	C211AEA1	422164B3	C21E0164	4217FAFF	41E72208	41CDC6CB	C1886E6D		
(1720)	4210A29D	42105D22	C21F67B8	42430CBD	41DCAP58	C16E8BCB	41766987	C14C383F	42530000	41700000		
(1760)	41300000	41300000	41500000	C214AA0E	C1DE3BD1	422255F1	C211A7E1	42207762	C21DF8A3	42182795		
(1800)	4153D0F1	41E31AE5	C1740316	42116A8D	4210C73F	C2199AF5	4245EE20	41EF3523	C1581E82	4168BB44		
(1840)	C138794B	42530000	41700000	41300000	41300000	41A00000	C214B3F1	C1DBA968	4222611E	C2119ED2		
(1880)	42208AB8	C21DEF42	4218558C	4035EE56	41CE2E6E	C159C1CB	4210A4C4	41E0E560	C21785AA	42591035		
(1920)	41073744	C14FA00B	4117E1CA	C13C6A3E	42530000	41700000	41300000	41300000	41F00000	C214BDD0		
(1960)	C1DC16E5	42226C48	C211960E	42209E1F	C21DE6B1	4218824C	C19FF24F	41DE8446	402E7A56	42124F1F		
(2000)	421120D9	409B79C4	427D8578	41DC98B9	411C73E9	C1A0CF00	C1174383	42530000	41700000	41300000		
(2040)	41300000	42140000	C214C7B0	C1DC845E	4222776E	C2118C8E	4220B1DD	C21DDF45	4218AF18	C16DF06A		
(2080)	41DDE7C9	C1193238	421170A1	41F8ECB3	C15CF36A	42745AFA	41DF44AD	3EF42852	C16880FC	C122025C		
(2120)	42530000	41700000	41300000	41300000	42190000	C214D18D	C1DCF19F	4222828F	C2118250	4220C5F1		
(2160)	C21DD5F5	4218DBEF	C1A0A4CB	41AFA8B0	4086E38E	41FC86C2	41EE3022	4120743F	4284718F	41AD9923		
(2200)	411BCFE7	C1A16A2C	C116C1A3	42530000	41700000	41300000	41300000	421E0000	C214DB67	C1DD5EC1		
(2240)	42228DAC	C21176A1	42215ABA	C21D0D95	42190A30	C1AB8FB3	42117404	4130C92E	4214D5FE	4214B5A8		

Copied to new media - 12/14/2004 CD-RW

Data migrated to new media on 12-14-2004

KD 022786

REQ. AGENT

RAND NO.

ACQ. AGENT

PROGNOZ 8

8 MIN PROTON & ALPHA DATA

80-103A-02A SPHE-00579

THIS DATA SET CONSISTS OF 1 5.25", DOUBLE SIDED, HIGH DENSITY DISKETTE. THE BACKUP IS A 3.5", DOUBLE SIDED, HIGH DENSITY DISKETTE. THE D AND C NUMBERS, TIME SPANS, AND NUMBER OF FILES ARE AS FOLLOWS:

ORIGINAL DISKETTE #	BACKUP DISKETTE #	FILES	TIME SPANS
----- KF00057	----- 15	----- 4	----- 12/30/80 - 07/25/81

Description of plasma measurements on board "Prognoz 8"
satellite

Prognoz 8 satellite worked from December 30, 1980 till July 25, 1981. Satellite was equipped with two devices to measure solar wind plasma: energospectrometer SKS-04 [see Vaisberg O.L. et al., *Cosmicheskie Issledovaniya*, v.17, n 5, p.780, 1979] measured velocities and temperatures of protons and alpha-particles, fast spectrometer Monitor [see Zastenker G.N. et al., *Cosm. Issl.*, v.20, n 6, p.900, 1982] measured total ion density. Accuracy of measurements is the following; velocity error less 2%, temperature error less 20%, density error less 20% [see Ermolaev Yu.I., *Cosm. Issl.*, v.24, n 5, p.725, 1986].

Results of plasma experiments on board Prognoz 8 are described in numerous papers, the latest among them are Zastenker G.N. et al., *Adv. Space Res.*, v.9, n 4, p.117, 1989 and v.8, n 9, p.171, 1988.

Temporal resolution of measurements is approximately 8 minutes [more precisely 492 seconds]. Gaps in the data are connected with information failures and periodical satellite entrances inside the magnetosphere.

Data presented at one high-density 5.25 inch diskette as four consecutive ASCII files. On PC display you can see a table with 11 columns in a row

Column Contents

1-6	Moscow time [UT+3 hours] of the beginning of 8-minute interval of measurements for the subsequent data in the row; day, month, year, hour, minute, second.
7	Protons temperature [eV]
8	Protons velocity [km/s]
9	Alpha-particles temperature [eV]
10	Alpha-particles velocity [km/s]
11	Ions density [cm^{-3}]

START TIME

KF00057

PROGNOZ8

30	12	80	3	15	15	2.9	348	6.3	327	25.4
30	12	80	3	23	26	2.7	335	4.4	330	27.7
30	12	80	3	31	38	3.2	335	4.3	329	27.2
30	12	80	3	39	49	2.7	332	11.1	326	25.6
30	12	80	3	48	1	4.3	343	7.2	336	26.5
30	12	80	3	56	12	3.8	346	5.5	340	26.9
30	12	80	4	4	24	3.0	349	5.7	340	27.1
30	12	80	4	12	35	2.7	346	6.1	339	28.5
30	12	80	4	20	47	2.8	337	4.0	334	27.2
30	12	80	4	28	58	3.8	332	4.5	341	26.5
30	12	80	4	37	10	5.6	345	5.2	337	26.2
30	12	80	4	45	21	2.8	344	5.0	340	25.2
30	12	80	4	53	33	2.7	338	7.6	334	24.5
3	1	81	9	50	25	27.0	420	58.1	439	5.5
5	1	81	1	3	9	10.3	471	53.8	462	11.8
5	1	81	1	11	21	3.6	452	64.3	465	10.5
5	1	81	1	19	32	19.1	498	38.3	486	10.6
5	1	81	1	27	44	7.5	528	85.6	482	9.3
5	1	81	1	35	55	6.4	482	39.7	476	9.9
5	1	81	1	44	7	13.0	486	68.9	502	9.3
5	1	81	1	52	18	43.3	508	110.3	510	9.1
5	1	81	2	0	30	9.6	545	69.9	536	8.9
5	1	81	2	8	41	9.3	513	.0	0	8.5
5	1	81	2	16	53	15.4	484	.0	0	8.2
5	1	81	2	25	4	22.9	555	.0	0	7.4
5	1	81	2	33	16	13.3	569	.0	0	7.5
5	1	81	2	41	27	15.9	526	.0	0	7.8
5	1	81	2	49	39	30.0	522	.0	0	7.6
5	1	81	2	57	50	21.6	527	.0	0	7.4
5	1	81	3	6	2	10.8	541	.0	0	6.7
5	1	81	3	14	13	10.9	522	.0	0	7.2
5	1	81	3	22	25	13.8	500	.0	0	7.0
5	1	81	3	30	36	23.0	484	.0	0	7.5
5	1	81	3	38	48	19.4	512	.0	0	7.0
5	1	81	3	46	59	9.5	532	.0	0	6.2
5	1	81	3	55	11	7.3	498	.0	0	7.3
5	1	81	4	3	23	11.2	480	.0	0	8.3
5	1	81	4	11	34	31.6	526	.0	0	7.5
5	1	81	4	19	46	7.9	535	.0	0	7.6
5	1	81	4	27	57	9.6	513	19.1	575	7.4
5	1	81	4	36	9	15.1	481	.0	0	7.7
5	1	81	4	44	20	61.8	522	.0	0	7.5
5	1	81	4	52	32	8.3	526	.0	0	7.5
5	1	81	5	0	43	7.9	514	.0	0	7.6
5	1	81	5	8	55	11.9	489	.0	0	7.3
5	1	81	5	17	6	27.0	507	.0	0	6.9
5	1	81	5	25	18	10.7	537	.0	0	6.7
7	1	81	3	34	13	8.7	439	41.8	454	5.2
8	1	81	12	45	58	5.7	415	21.8	392	8.5
8	1	81	12	54	10	3.7	383	23.7	391	4.8
8	1	81	13	2	21	4.3	360	22.9	388	8.1
8	1	81	13	10	33	6.5	421	29.2	383	7.0
8	1	81	13	18	44	10.2	364	14.9	365	6.6
8	1	81	13	26	56	4.2	359	13.0	358	7.3
8	1	81	13	35	7	3.9	355	47.5	379	4.6
8	1	81	13	43	19	4.0	354	43.6	376	8.3
8	1	81	13	51	31	17.8	377	36.6	380	8.0
8	1	81	13	59	42	8.5	391	35.9	375	8.4
8	1	81	14	7	54	5.1	386	35.6	383	8.2
8	1	81	14	16	5	4.1	393	33.3	389	8.6
8	1	81	14	24	17	5.1	410	36.6	388	9.1

4	3	81	4	7	39	2.8	449	6.7	390	4.4
4	3	81	4	15	51	1.8	440	24.5	401	4.9
4	3	81	4	24	2	1.3	430	11.1	402	4.9
4	3	81	4	32	14	1.1	416	9.4	393	5.3
4	3	81	4	40	25	1.3	403	17.3	391	4.9
4	3	81	4	48	37	1.7	396	.0	0	4.4
4	3	81	4	56	48	1.4	384	11.2	388	4.4
4	3	81	5	5	0	1.7	360	13.4	387	4.6
4	3	81	5	13	11	3.7	472	14.6	396	3.5
4	3	81	5	21	23	3.1	453	8.9	383	3.7
4	3	81	5	29	34	2.5	432	10.3	388	3.7
4	3	81	5	37	46	1.8	437	5.7	390	5.2
4	3	81	5	45	57	1.3	418	4.0	394	6.1
4	3	81	5	54	9	1.2	409	.0	0	5.5
4	3	81	6	2	20	1.8	400	.0	0	5.4
4	3	81	6	10	32	1.7	394	.0	0	5.6
4	3	81	6	18	43	2.2	371	.0	0	6.0
4	3	81	6	26	55	2.9	490	80.4	412	5.7
4	3	81	6	35	6	3.4	474	28.5	391	5.6
4	3	81	6	43	18	3.1	447	29.6	400	5.8
4	3	81	6	51	30	1.6	434	18.5	393	5.6
4	3	81	6	59	41	1.4	411	12.7	382	5.9
4	3	81	7	7	53	2.2	388	91.1	398	5.1
4	3	81	7	16	4	2.0	383	8.6	374	6.1
4	3	81	7	24	16	1.9	378	.0	0	6.6
0	0	5	0	0	0	.0	0	.0	0	.0

Day Month YR

STOP TIME