#435

GOES 1 & 2
MAGNETOMETER DATA
75-100A-04A
77-048A-04A

GOES 2, 5, 6, 7
X-RAY MONITOR DATA
77-048A-03A
81-049A-03A
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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

GOES 1 & 2

MAGNETOMETER DATA

75-100A-04A SPMS-00154

77-048A-04A SPMS-00532

These data sets have been restored. There was originally two 9-track, 1600 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on an CDC 6600 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
DR005908	DS005908	D033600	1	07/28/77 - 07/29/77 (GOES1&2)
		D032272	2	12/02/77 - 12/12/77 (GOES2)

REQ.A GENT.	RAND NO.	ACQ. AGENT
VJP	RD2125 RD0914	BCD MJT

GOES 1 & 2

MAGNETOMETER DATA

75-100A-04A

77-048A-04A

This data set catalog consists of 2 data tapes. The tapes are 1600 BPI, binary, 9 track and are multifiled. The tapes were created on a CDC 6600 computer. Tape D-32272 has only GOES 2 data and tape D-33600 has both GOES 1 & 2 data.

Time span is as follows:

D#	C#	TIME SPAN
D-32272	C-20148	12/02/77 - 12/12/77
D-33600	C-20554	07/28/77 - 07/29/77

* When processing this data set, get octal dumps instead of hex dumps of the tapes since the CDC 6600 writes a 6-bit and a 60-bit word.

GOES-2

X-Ray Monitor Data

77-048A-03A SOXR-00049

This data set has been restored. There were originally 41 9-track, 1600 BPI tapes written in Binary. There are ten restored tapes. The DR tapes are 3480 cartridges and the DS tapes are 9-track, 6250 BPI. The tapes were created on a 360 computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR03610	DS03610	D54482	1	01/01/80 - 01/26/80
		D54483	2	02/05/80 - 02/29/80
		D54484	3	03/01/80 - 03/31/80
		D54485	4	04/01/80 - 04/30/80
		D42103	5	05/01/80 - 05/30/80
DR03611	DS03611	D43058	1	06/01/80 - 06/30/80
		D54486	2	07/01/70 - 07/31/80
		D54487	3	08/01/80 - 08/31/80
		D54488	4	09/01/80 - 09/30/80
DR03612	DS03612	D54489	1	10/01/80 - 10/31/80
		D54490	2	11/02/80 - 11/30/80
		D54491	3	12/01/80 - 12/31/80
		D54492	4	01/01/81 - 01/31/81
DR03613	DS03613	D54493	1	02/01/81 - 02/28/81
		D54494	2	03/01/81 - 03/31/81
		D54495	3	04/01/81 - 04/30/81
		D54496	4	05/01/81 - 05/31/81
DR03614	DS03614	D54497	1	06/01/81 - 06/30/81
		D54498	2	07/01/81 - 07/31/81
		D54499	3	08/01/81 - 08/31/81
		D54500	4	09/01/81 - 09/30/81
DR03615	DS03615	D54501	1	10/01/81 - 10/31/81
		D54502	2	11/01/81 - 11/30/81
		D54503	3	12/01/81 - 12/31/81
		D59934	4	01/02/82 - 01/31/82
DR03620	DS03620	D59935	1	02/01/82 - 02/28/82
		D63835	2	03/01/82 - 03/31/82
		D63836	3	04/01/82 - 04/30/82
		D63837	4	05/01/82 - 05/31/82

77-048A-03A (Cont.)

DR#	DS#	DD#	FILES	TIME SPAN
DR03621	DS03621	D63838	1	06/01/82 - 06/30/82
		D63839	2	07/01/82 - 07/31/82
		D59936	3	08/01/82 - 08/31/82
		D59937	4	09/01/82 - 09/30/82
DR03622	DS03622	D62614	1	10/01/82 - 10/30/82
		D62615	2	11/01/82 - 11/30/82
		D62616	3	12/01/82 - 12/31/82
		D62617	4	01/01/83 - 01/31/83
DR03623	DS03623	D62618	1	02/01/83 - 02/28/83
		D62619	2	03/01/83 - 03/31/83
		D62620	3	04/01/83 - 04/30/83
		D62621	4	05/01/83 - 05/19/83

REQ. AGENT	RAND NO.	ACQ. AGENT
VPL	V0063	DMS
ROP		

GOES-2

X-RAY MONITOR DATA

77-048A-03A

This data set catalog consists of 41 data tapes. The tapes are 9 track, 1600 BPI, binary and contain one file of data. The tapes were created on an CDC 6600 computer. The D#'s and C#'s and time spans are as follows:

D#	C#	TIME SPAN
D-54482	C-22879	01/01/80 - 01/26/80
D-54483	C-22880	02/05/80 - 02/29/80
D-54484	C-22881	03/01/80 - 03/31/80
D-54485	C-22882	04/01/80 - 04/30/80
D-42103	C-21187	05/01/80 - 05/31/80
D-43058	C-21304	11/02/80 - 11/30/80
D-54486	C-22883	07/01/80 - 07/31/80
D-54487	C-22884	08/01/80 - 08/31/80
D-54488	C-22885	09/01/80 - 09/30/80
D-54489	C-22886	10/01/80 - 10/31/80
D-54490	C-22887	06/01/80 - 06/30/80
D-54491	C-22888	12/01/80 - 12/31/80
D-54492	C-22889	01/01/81 - 01/31/81
D-54493	C-22890	02/01/81 - 02/28/81
D-54494	C-22891	03/01/81 - 03/31/81
D-54495	C-22892	04/01/81 - 04/30/81
D-54496	C-22893	05/01/81 - 05/31/81
D-54497	C-22894	06/01/81 - 06/30/81
D-54498	C-22895	07/01/81 - 07/31/81

X-RAY MONITOR DATA 77-048A-03A CON'T:

D#	C#	TIME SPAN
D-54499	C-22896	08/01/81 - 08/31/81
D-54500	C-22897	09/01/81 - 09/30/81
D-54501	C-22898	10/01/81 - 10/31/81
D-54502	C-22899	11/01/81 - 11/30/81
D-54503	C-22900	12/01/81 - 12/31/81
D-59934	C-23550	01/02/82 - 01/31/82
D-59935	C-23551	02/01/82 - 02/28/82
D-63835	C-24086	03/01/82 - 03/31/82
D-63836	C-24087	04/01/82 - 04/30/82
D-63837	C-24088	05/01/82 - 05/31/82
D-63838	C-24089	06/01/82 - 06/30/82
D-63839	C-24090	07/01/82 - 07/31/82
D-59936	C-23552	08/01/82 - 08/31/82
D-59937	C-23553	09/01/82 - 09/30/82
D-62614	C-23897	10/01/82 - 10/30/82
D-62615	C-23898	11/01/82 - 11/30/82
D-62616	C-23899	12/01/82 - 12/31/82
D-62617	C-23900	01/01/83 - 01/31/83
D-62618	C-23901	02/01/83 - 02/28/83
D-62619	C-23902	03/01/83 - 03/31/83
D-62620	C-23903	04/01/83 - 04/30/83
D-62621	C-23904	05/01/83 - 05/19/83

GOES 5

X-RAY MONITOR DATA

81-049A-03A SOXR-00032

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY 14 9-TRACK, 1600 BPI TAPES, WRITTEN IN BINARY. THERE ARE FOUR RESTORED TAPES. THE TAPES ARE NOT IN TIME SPAN ORDER. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN IBM 360 COMPUTER AND WERE RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
DR006216	DS006216	D064270	1	07/13/83 - 08/31/83
		D064271	2	08/31/83 - 09/30/83
		D064272	3	09/30/83 - 10/31/83
		D064273	4	10/31/83 - 11/30/83
DR006217	DS006217	D064274	1	11/30/83 - 12/31/83
		D064275	2	12/31/83 - 01/31/84
		D064276	3	01/31/84 - 02/29/84
		D064277	4	03/02/84 - 03/31/84
DR006218	DS006218	D064278	1	04/01/84 - 04/30/84
		D064279	2	05/01/84 - 05/31/84
		D064629	3	05/01/83 - 05/31/83
		D064630	4	07/01/83 - 07/31/83 *
DR006219	DS006219	D064631	1	06/01/84 - 06/30/84
		D064632	2	07/01/84 - 07/31/84

* I/O ERROR ON FILE FOUR, RECORD 6481

FULL DATASET LISTING OF 81-049A-03A

GOES 5 X-RAY MONITOR DATA

SYSTEM: 6600 MODE: BIN

	MEDIA #	COPY #	RECEIVED	DENS	TR	FILES	LOCATION	TIME SPAN
1	DD 064270	DC 024224	10/18/84	1600	9	1	03/64-18-4-2	08/01/83 - 08/31/83
2	DD 064271	DC 024225	10/18/84	1600	9	1	03/64-18-4-2	08/31/83 - 09/30/83
3	DD 064272	DC 024226	10/18/84	1600	9	1	03/64-18-4-2	09/30/83 - 10/31/83
4	DD 064273	DC 024227	10/18/84	1600	9	1	03/64-18-4-2	10/31/83 - 11/30/83
5	DD 064274	DC 024228	10/18/84	1600	9	1	03/64-18-4-2	11/30/83 - 12/31/83
6	DD 064275	DC 024229	10/18/84	1600	9	1	03/64-18-4-2	12/31/83 - 01/31/84
7	DD 064276	DC 024230	10/18/84	1600	9	1	03/64-18-4-2	01/31/84 - 02/29/84
8	DD 064277	DC 024231	10/18/84	1600	9	1	03/64-18-4-2	03/02/84 - 03/31/84
9	DD 064278	DC 024232	10/18/84	1600	9	1	03/64-18-4-2	04/01/84 - 04/30/84
10	DD 064279	DC 024233	10/18/84	1600	9	1	03/64-18-4-2	05/01/84 - 05/31/84
11	DD 064629	DC 024325	12/27/84	1600	9	1	03/64-18-4-2	05/01/83 - 05/31/83
12	DD 064630	DC 024326	12/27/84	1600	9	1	03/64-18-4-2	07/01/83 - 07/31/83
13	DD 064631	DC 024327	12/27/84	1600	9	1	03/64-18-4-2	06/01/84 - 06/30/84
14	DD 064632	DC 024328	12/27/84	1600	9	1	03/64-18-4-2	07/01/84 - 07/31/84
	DC 024224	DD 064270	10/19/84	1600	9	1	059A01	08/01/83 - 08/31/83
	DC 024225	DD 064271	10/19/84	1600	9	1	059A02	09/01/83 - 09/30/83
	DC 024226	DD 064272	10/19/84	1600	9	1	059A03	10/01/83 - 10/31/83
	DC 024227	DD 064273	10/19/84	1600	9	1	059A04	11/01/83 - 11/30/83
	DC 024228	DD 064274	10/19/84	1600	9	1	059A05	12/01/83 - 12/31/83
	DC 024229	DD 064275	10/19/84	1600	9	1	059A06	01/01/84 - 01/31/84
	DC 024230	DD 064276	10/19/84	1600	9	1	059A07	02/01/84 - 02/29/84
	DC 024231	DD 064277	10/19/84	1600	9	1	059A08	03/01/84 - 03/31/84
	DC 024232	DD 064278	10/19/84	1600	9	1	059A09	04/01/84 - 04/30/84
	DC 024233	DD 064279	10/19/84	1600	9	1	059A10	05/01/84 - 05/31/84
	DC 024325	DD 064629	12/27/84	1600	9	1	020H11	05/01/83 - 05/31/83
	DC 024326	DD 064630	12/27/84	1600	9	1	020H12	07/01/83 - 07/31/83
	DC 024327	DD 064631	12/27/84	1600	9	1	020H13	06/01/84 - 06/30/84
	DC 024328	DD 064632	12/27/84	1600	9	1	020H14	07/01/84 - 07/31/84

DSC 435

REQ. AGENT	RAND NO.	ACQ. AGENT
ROP		

GOES 5

X-RAY MONITOR DATA

81-049A-03A

This data set consists of 14 magnetic tapes. The tapes are 9 track, 1600 BPI, binary and contain one file of data. The tapes were created on an CDC 6600 computer. The D#'s and C#'s and time span are on the following page.

X-RAY MONITOR DATA 81-049A-03A GOES 5

D#	C#	TIME SPAN
D-64629	C-24325	05/01/83 - 05/31/83
D-64630	C-24326	07/01/83 - 07/31/83
D-64270	C-24224	08/01/83 - 08/31/83
D-64271	C-24225	09/01/83 - 09/30/83
D-64272	C-24226	10/01/83 - 10/31/83
D-64273	C-24227	11/01/83 - 11/30/83
D-64274	C-24228	12/01/83 - 12/31/83
D-64275	C-24229	01/01/84 - 01/31/84
D-64276	C-24230	02/01/84 - 02/29/84
D-64277	C-24231	03/01/84 - 03/31/84
D-64278	C-24232	04/01/84 - 04/30/84
D-64279	C-24233	05/01/84 - 05/31/84
D-64631	C-24327	06/01/84 - 06/30/84
D-64632	C-24328	07/01/84 - 07/31/84

GOES 6

X-RAY MONITOR DATA

83-041A-03A SOXR-00059

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 56 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR AND DS TAPE IS A DLT. THERE ARE 6 DIFFERENT DATA SETS ON THIS DR/DS TAPE, FOR A TOTAL OF 6,712 FILES. ONLY FILES 1616-1670 ARE THIS DATA SET. D080271 WAS A BAD TAPE AND WAS NOT RESTORED. THE ORIGINAL TAPES WERE CREATED ON A CDC 6600 COMPUTER AND WERE RESTORED ON THE MRS. THE DR AND DS NUMBER ALONG WITH THE D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
DR006264	DS006264	DD065362	1616	06/01/83 - 06/30/83
		DD065363	1617	08/01/83 - 08/31/83
		DD065364	1618	09/01/83 - 09/30/83
		DD065365	1619	10/01/83 - 10/31/83
		DD065366	1620	11/01/83 - 11/30/83
		DD066232	1621	12/01/84 - 12/31/84
		DD079233	1622	01/01/85 - 01/31/85
		DD079234	1623	02/01/85 - 02/28/85
		DD079235	1624	03/01/85 - 03/31/85
		DD079236	1625	04/01/85 - 04/30/85
		DD079237	1626	05/01/85 - 05/31/85
		DD079238	1627	06/01/85 - 06/30/85
		DD079239	1628	07/01/85 - 07/31/85
		DD079240	1629	08/01/85 - 08/31/85
		DD079241	1630	09/01/85 - 09/30/85
		DD079242	1631	10/01/85 - 10/31/85
		DD079243	1632	11/01/85 - 11/30/85
		DD079244	1633	12/01/85 - 12/31/85
		DD079245	1634	01/01/86 - 01/31/86
		DD079246	1635	02/01/86 - 02/28/86
		DD079247	1636	03/01/86 - 03/31/86
		DD079248	1637	04/01/86 - 04/30/86
		DD079249	1638	05/01/86 - 05/31/86
		DD079250	1639	06/01/86 - 06/30/86
		DD079251	1640	07/01/86 - 07/31/86
		DD079252	1641	08/01/86 - 08/31/86
		DD079253	1642	09/01/86 - 09/30/86
		DD079254	1643	10/01/86 - 10/31/86
		DD079255	1644	11/01/86 - 11/30/86
		DD079256	1645	12/01/86 - 12/31/86
		DD079257	1646	01/01/87 - 01/31/87
		DD079258	1647	02/01/87 - 02/28/87
		DD079259	1648	03/01/87 - 03/31/87
		DD079260	1649	04/01/87 - 04/30/87
		DD079261	1650	05/01/87 - 05/31/87
		DD079262	1651	06/01/87 - 06/30/87
		DD079273	1652	07/01/87 - 07/31/87
		DD079274	1653	08/01/87 - 08/31/87
		DD079275	1654	09/01/87 - 09/30/87

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DR#	DS#	DD#	FILES	TIME SPAN
DR006264	DS006264	DD079276	1655	10/01/87 - 10/31/87
		DD079277	1656	11/01/87 - 11/30/87
		DD079278	1657	12/01/87 - 12/31/87
		DD079279	1658	01/01/88 - 01/31/88
		DD079280	1659	02/01/88 - 02/28/88
		DD079281	1660	03/01/88 - 03/31/88
		DD079282	1661	04/01/88 - 04/30/88
		DD079283	1662	05/01/88 - 05/31/88
		DD079284	1663	06/01/88 - 06/30/88
		DD079285	1664	09/01/88 - 09/30/88
		DD080265	1665	07/01/88 - 07/31/88
		DD080266	1666	08/01/88 - 08/31/88
		DD080267	1667	10/01/88 - 10/31/88
		DD080268	1668	11/01/88 - 11/30/88
		DD080269	1669	12/01/88 - 12/31/88
		DD080270	1670	03/01/89 - 03/31/89

REQ. AGENT	RAND NO.	ACQ. AGENT
ROP DHG		HKH

GOES 6

X-RAY MONITOR DATA

83-041A-03A

This data set consists of 49 magnetic tapes. The tapes are 9 track, 1600 bpi, binary and contain one file of data. They were created on a CDC 6600 computer. The D and C numbers and time spans follow:

D#	C#	FILES	TIME SPAN
D-65362	C-24638	1	06/01/83 - 06/30/83
D-65363	C-24639	1	08/01/84 - 08/31/84
D-65364	C-24640	1	09/01/84 - 09/30/84
D-65365	C-24641	1	10/01/84 - 10/31/84
D-65366	C-24642	1	11/01/84 - 11/30/84
D-66232	C-24785	1	12/01/84 - 12/31/84
D-79233	C-27032	1	01/01/85 - 01/31/85
D-79234	C-27033	1	02/01/85 - 02/28/85
D-79235	C-27034	1	03/01/85 - 03/31/85
D-79236	C-27035	1	04/01/85 - 04/30/85
D-79237	C-27036	1	05/01/85 - 05/31/85
D-79238	C-27037	1	06/01/85 - 06/30/85
D-79239	C-27038	1	07/01/85 - 07/31/85
D-79240	C-27039	1	08/01/85 - 08/31/85
D-79241	C-27040	1	09/01/85 - 09/30/85
D-79242	C-27041	1	10/01/85 - 10/31/85
D-79243	C-27042	1	11/01/85 - 11/30/85
D-79244	C-27043	1	12/01/85 - 12/31/85
D-79245	C-27044	1	01/01/86 - 01/31/86
D-79246	C-27045	1	02/01/86 - 02/28/86
D-79247	C-27046	1	03/01/86 - 03/31/86
D-79248	C-27047	1	04/01/86 - 04/30/86
D-79249	C-27048	1	05/01/86 - 05/31/86
D-79250	C-27049	1	06/01/86 - 06/30/86
D-79251	C-27050	1	07/01/86 - 07/31/86
D-79252	C-27051	1	08/01/86 - 08/31/86
D-79253	C-27052	1	09/01/86 - 09/30/86
D-79254	C-27053	1	10/01/86 - 10/31/86
D-79255	C-27054	1	11/01/86 - 11/30/86
D-79256	C-27055	1	12/01/86 - 12/31/86
D-79257	C-27056	1	01/01/87 - 01/31/87
D-79258	C-27057	1	02/01/87 - 02/28/87
D-79259	C-27058	1	03/01/87 - 03/31/87
D-79260	C-27059	1	04/01/87 - 04/30/87
D-79261	C-27060	1	05/01/87 - 05/31/87
D-79262	C-27061	1	06/01/87 - 06/30/87

D#	C#	FILES	TIME SPAN
D-79273	C-27073	1	07/01/87 - 07/31/87
D-79274	C-27074	1	08/01/87 - 08/31/87
D-79275	C-27075	1	09/01/87 - 09/30/87
D-79276	C-27076	1	10/01/87 - 10/31/87
D-79277	C-27077	1	11/01/87 - 11/30/87
D-79278	C-27078	1	12/01/87 - 12/31/87
D-79279	C-27079	1	01/01/88 - 01/31/88
D-79280	C-27080	1	02/01/88 - 02/28/88
D-79281	C-27081	1	03/01/88 - 03/31/88
D-79282	C-27082	1	04/01/88 - 04/30/88
D-79283	C-27083	1	05/01/88 - 05/31/88
D-79284	C-27084	1	06/01/88 - 06/30/88
D-80265	C-27568	1	07/01/88 - 07/31/88
D-80266	C-27569	1	08/01/88 - 08/31/88
D-79285	C-27085	1	09/01/88 - 09/30/88
D-80267	C-27570	1	10/01/88 - 10/31/88
D-80268	C-27571	1	11/01/88 - 11/30/88
D-80269	C-27572	1	12/01/88 - 12/31/88
D-80270	C-27573	1	03/01/89 - 03/31/89
D-80271	C-27574	1	***USE THIS NUMBER***

REQ. AGENT	RAND NO.	ACQ. AGENT
DHG		HKH

GOES 7

X-RAY MONITOR DATA

87-022A-03A SOXR-00076

This data set consists of 5 magnetic tapes. The tapes are 9 track, 1600 bpi, binary and contain one file of data. They were created on a CDC 6600 computer. The D and C numbers and time spans follow:

D#	C#	FILES	TIME SPAN
D-80272	C-27575	1	01/01/89 - 01/31/89
D-80273	C-27576	1	02/01/89 - 02/28/89
D-80274	C-27577	1	04/01/89 - 04/30/89
D-80275	C-27578	1	05/01/89 - 05/31/89
D-80276	C-27579	1	06/01/89 - 06/30/89

77-048A-03A

SMS ARCHIVE TAPES -- RECORD STRUCTURE

RECORD 1 : KRONOS 2.1 LABEL

JOE MACKELL ALLEN JAN 25 '76

DATA RECORD 1 -- 512 WORD, GENERAL INFORMATION

WORD:

1-3 - DATA TYPE
  a. - MAGNETOMETER
  b. - XRAY
  c. - PARTICLES
4 - SATELLITE ID
5 - YEAR
6 - MONTH
7-37 - SATELLITE POSITION
38-62 - FLAG CODE INFORMATION
63-512 - UNUSED

DATA RECORD 2 to N

WORD:

1-12 - AVERAGES WITHIN 5 MINUTE INTERVALS
13-512 - MAGNETOMETER DATA -- IN 5 WORD GROUPS
  1 - SECONDS OF YEAR
  2 - Hp - gamma
  3 - He - gamma
  4 - Hn - gamma
  5 - FLAG

comp
H parallel to satellite axis
H between satellite and earth; direction outward
H normal to ~~parallel~~
the plane of Hp and Hn
right-handed system

XRAY DATA -- IN 4 WORD GOUPS
  1 - SECONDS OF YEAR
  2 - XRAY "SHORTSUN" - WATT/m^2
  3 - XRAY "LONGSUN" - WATT/m^2
  4 - FLAG

PARTICLE DATA -- IN 5 WORD GROUPS
  1 - SECONDS OF YEAR
  2 - MULTIPLEX CHANNEL 2 - COUNT/SEC
  3 - MULTIPLEX CHANNEL 4 - COUNT/SEC
  4 - MULTIPLEX CHANNEL 8 - COUNT/SEC
  5 - FLAG

April 1980

D-33600

This nine-track tape contains four files of binary magnetometer data, the first two files being GOES-1 data and final two, GOES-2 data. The tape was written with a density of 1600 BPI on a CDC Model 6600. The parity is odd.

Files one and three contain respectively 324 and 280 unformated records of data taken at three-second intervals. Each file is terminated by one end-of-file mark. Each physical record contains one logical record. The records are 404 words long. The first four words specify year, month, day and hour. Next is three-minutes' worth of three-second data as follows:

1 YEAR (i.e. 77)	2 MONTH (i.e. 70)	3 DAY of month	4 HOUR (0-24)
5 TIMEX100 (min. of hour X 100)	6 HPX100	7 HEX100	8 HNX100
M -99900	M + 1 -99900	M + 2 -99900	M + 3 -99900
N TIMEX100	N + 1 HPX100	N + 2 HEX100	N + 3 HNX100
397 -99900	398 -99900	399 -99900	400 -99900
401 -99900	402 -99900	403 -99900	404 -99900

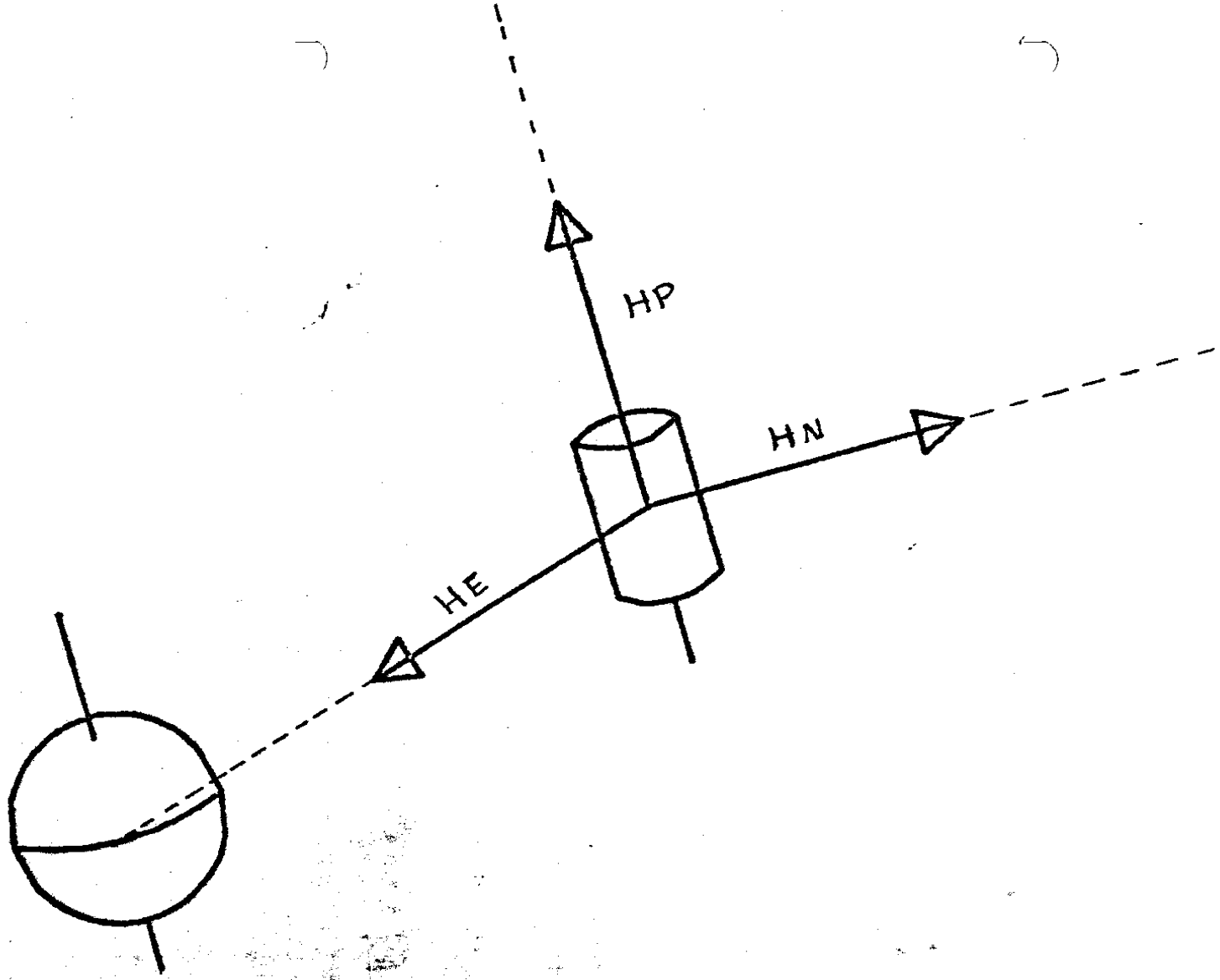
Other than the first four words (time information), all values have been multiplied by 100 so that they could be written as binary integers to facilitate reading. Space for 100 samples for each component (TIME,HP, HE,HN) was allocated to each five-minute period. It has turned out that the last eight words are superfluous. These excess words, as well as data gaps of less than a full five-minute period, have been filled with the value of -99900. Data gaps covering one or more full five-minute periods have been ignored.

The second and fourth files each contain 96 unformated records of five-minute averages of the above data. The second file is followed by one end-of-file mark, while the fourth, and final, file is followed by at least two end-of-file marks.

Again each physical record contains one logical record. Each record contains 40 words. The first four words are again, year, month, day and hour. Each record contains one hour's worth of five-minute average, e.g.:

1 YEAR	2 MONTH	3 DAY	4 HOUR
5 HPX100	6 HEX100	7 HNX100	
38 HPX100	39 HEX100	40 HNX100	

Minute of the hour information is not included. The first set of values (HP,HE,HN) are centered around minute five of the first hour and averages for each five-minute period follow sequentially. All data gaps have been filled with zeroes. However, a value of zero indicates missing data only if it occurs in all three components. Again, all data values have been multiplied by 100 and written as integers using an unformated WRITE statement.


HP
HN
HE

SATELLITE	3 SECOND SAMPLES		5 MINUTE AVERAGES	
	FILE NO.	NO. OF REC.	FILE NO.	NO. OF REC.
GOES 1	1	324	2	48
GOES 2	3	280	4	48

	GOES 1	GOES 2
LONGITUDE	75.80	67.00
LATITUDE	0.00	0.00
HEIGHT	42169	42348

D-32272

This nine-track tape contains binary magnetometer data from the GOES-2 satellite for Dec. 2, 10, 11, and 12, 1977. The tape was written at a density of 1600 BPI on a CDC Model 6600. The parity is odd. The data is given as components HP, HE, HN.

There are two files on this tape. The first file contains 1152 unformated records of data taken at three second intervals (as it comes from the satellite), followed by an end-of-file mark. Each physical record contains one logical record. Each record contains 404 words. The first four words specify year, month, day, and hour and are followed by 5 minutes worth of 3-second data as follows:

1	2	3	4
YEAR (i.e.77)	MONTH (1-12)	DAY of month	HOUR (0-23)
5	6	7	8
Time x 100 (min of the hour)	HP x 100	HE x 100	HN x 100
n	n + 1	n + 2	n + 3
-99900	-99900	-99900	-99900
m	m + 1	m + 2	m + 3
Time x 100	HP x 100	HE x 100	HN x 100
397	398	399	400
-99900	-99900	-99900	-99900
401	402	403	404
-99900	-99900	-99900	-99900

Space for 100 samples of each component (TIME, HP, HE, HN) has been allocated to each 5-minute period. Time gaps and excess words have been filled with -99900. At least the last 8 words are always -99900. Other than the first 4 words, all values have been multiplied by 100 so that they could be written as integers to facilitate reading.

The second file contains 96 unformated records of 5 minute averages of the above data followed by at least 2 end-of-file marks. Again, each physical record contains one logical record. Each record contains 40 words, the first four again being year, month, day and hour as above. Each record contains one hour's worth of 5 minute data:

1	2	3	4
YEAR	MONTH	DAY	HOUR
5	6	7	
HP x 100	HE x 100	HN x 100	
8	9	10	
HP x 100	HE x 100	HN x 100	
38	39	40	
HP x 100	HE x 100	HN x 100	

Minute of the hour information is not included, as each average is a centered average; the first value is the average of points around minute 5 and each succeeding average if five minutes later than the preceding one. A zero value in components HP and HE indicate missing data; a zero in HN indicates missing data only if HP and HE are also missing. Again all values have been multiplied by 100 and written as intergers using an unformed write statement.

DUMP OF TAPE D-54492

D-54492

INPUT TAPE D-54492 ON MT1
DATA INPUT 09 FL 1 2 STOP

MON = 1

YR = 81

FILE	1 RECORD	1 LENGTH	5120BYTES					
(0)	302201315127	012424501505	240522355255	555555555555	555555555555	071705235535	555555551726	504000000000
(48)	000017204000	000000000000	173240620000	000000001732	406200000000	000017324060	000000000000	173240600000
(96)	000000001732	406000000000	000017324060	000000000000	173240600000	000000001732	406000000000	000017324060
(144)	000000000000	173240600000	000000001732	406000000000	000017324060	000000000000	173240600000	000000001732
(192)	406000000000	000017324062	000000000000	173240640000	000000001732	407000000000	000017324072	000000000000
(240)	173240740000	000000001732	407600000000	000017324100	000000000000	173241020000	000000001732	410400000000
(288)	000017324110	000000000000	173241120000	000000001732	411400000000	000017324116	000000000000	173241200000
(336)	000000001732	412400000000	000017324124	000000000000	173241240000	000000002305	200122012405	550614010755
(384)	031704055505	140515051624	235501220555	220503172605	220504550123	550617141417	272300555511	061454111624
(432)	050705225106	140107552717	220452575555	170606230524	550614010756	551722551525	142411201405	305503172516
(480)	240522541517	045111061456	344152575555	150522070555	241115055522	050104550522	221722550614	010723541517
(528)	045111061450	344156354041	525755552301	240514141124	055523240124	055415170451	110614503733	444156343333
(576)	335257555520	221707220115	552605222311	171654110614	503733444150	343333330000	000000000000	000000000000
(624)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(672)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(720)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(768)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(816)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(864)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(912)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(960)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1008)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1056)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1104)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1152)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1200)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1248)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1296)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1344)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1392)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1440)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1488)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1536)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1584)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1632)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1680)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1728)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1776)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1824)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1872)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1920)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(1968)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2016)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2064)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2112)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2160)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2208)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2256)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2304)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2352)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2400)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2448)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2496)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2544)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2592)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2640)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2688)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2736)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000

(2784)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2832)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2880)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2928)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(2976)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3024)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3072)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3120)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3168)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3216)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3264)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3312)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3360)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3408)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3456)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3504)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3552)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3600)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3648)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3696)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3744)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3792)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3840)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3888)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3936)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(3984)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4032)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4080)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4128)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4176)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4224)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4272)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4320)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4368)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4416)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4464)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4512)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4560)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4608)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4656)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4704)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4752)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4800)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4848)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4896)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4944)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(4992)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(5040)	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
(5088)	000000000000	000000000000	000000000000	000000000000	000000000000	0000		

FILE 1 RECORD 2 LENGTH 5120BYTES

seconds & year

(0)	166653253154	767553361674	572361371134	021360542777	777777777777	605427777777	777777776054	277777777777
(48)	777760542777	777777777777	605427777777	777777776054	277777777777	777760542777	777777777777	605427777777
(96)	777777776054	277777777777	777760542777	777777777777	172771600000	000000001666	636453242152	260216746032
(144)	526240224452	600125252527	222531151727	726000000000	000016665651	056715762412	167460325262	402244521776
(192)	525252544752	565217277340	000000000000	166657402661	312024361674	603252624022	445217765252	525447525652
(240)	172774200000	000000001666	522461242544	225016746032	526240224452	177652525254	475256521727	750000000000
(288)	000016665472	440267322344	167461501015	450703001776	525252544752	565217277560	000000000000	166656510567
(336)	157624121674	615010154507	030017755252	525447525652	172776400000	000000001666	565105671576	241216746032
(384)	526240224452	177652525254	475256521727	772000000000	000016665651	056715762412	167460325262	402244521776
(432)	525252544752	565217304000	000000000000	166656510567	157624121674	603252624022	445217765252	525447525652
(480)	173040300000	000000001666	540323105410	232016746032	526240224452	177652525254	475256521730	406000000000
(528)	000016665135	403212222224	167460325262	402244521776	525252544752	565217304110	000000000000	166554724402
(576)	673223441674	603252624022	445217765252	525447525652	173041400000	000000001666	540323105410	232016746032
(624)	526240224452	177652525254	475256521730	417000000000	000016665561	647502542366	167460325262	402244521776
(672)	525252544752	565217304220	000000000000	166650461737	770022001674	603252624022	445217765252	525447525652

DUMP OF TAPE D-54492

INPUT TAPE D-54492 ON MT4
DATA INPUT 09 NF 1 SR 1 LAST 1

end time (secs of year)

FILE 1 RECORD 6924 LENGTH 5120BYTES

(0)	605427777777	777777776054	277777777777	777760542777	777777777777	605427777777	777777776054	277777777777
(48)	777760542777	777777777777	605427777777	777777776054	277777777777	777760542777	777777777777	605427777777
(96)	777777776054	277777777777	777760542777	777777777777	174550673430	000000001667	442140442015	165516747556
(144)	563425236224	175041030100	000000001745	506734440000	000016674722	735767541760	167474412101	203724001750
(192)	410301000000	000017455067	346000000000	166744551101	256616671674	744121012037	240017504103	010000000000
(240)	174550673474	000000001667	415355655627	156216747441	210120372400	175041030100	000000001745	506735100000
(288)	000016674120	053050561550	167475565634	252362241750	410301000000	000017455067	352400000000	166741535565
(336)	562715621674	744121012037	240017504103	010000000000	174550673544	000000001667	420726226400	157416747441
(384)	210120372400	175041030100	000000001745	506735600000	000016674242	765771511606	167474412101	203724001750
(432)	410301000000	000017455067	357400000000	166741535565	562715621674	744121012037	240017504103	010000000000
(480)	174550673610	000000001667	415355655627	156216747441	210120372400	175041030100	000000001745	506736240000
(528)	000016674064	347343051336	167474412101	203724001750	410301000000	000017455067	364000000000	166676136616
(576)	310231561674	744121012037	240017504103	010000000000	174550673654	000000001666	761366163102	315616747441
(624)	210120372400	175041030100	000000001745	506736700000	000016667256	624553723040	167474412101	203724001750
(672)	410301000000	000017455067	370400000000	166740643473	430515361674	744121012037	240017504103	010000000000
(720)	174550673720	000000001667	406434734305	153616747441	210120372400	175041030100	000000001745	506737340000
(768)	000016667524	452415603132	167474412101	203724001750	410301000000	000017455067	375000000000	166673460337
(816)	671430621674	744121012037	240017504103	010000000000	174550673764	000000001666	761366163102	315616747441
(864)	210120372400	175041030100	000000001745	506740000000	000016667256	624553723040	167474412101	203724001750
(912)	410301000000	000017455067	401400000000	166676136616	310231561674	744121012037	240017504103	010000000000
(960)	174550674030	000000001666	752445241560	313216747441	210120372400	175041030100	000000001745	506740500000
(1008)	000016667703	071044243202	167474412101	203724001750	410301000000	000017455067	406400000000	166677030710
(1056)	442432021674	744121012037	240017504103	010000000000	174550674100	000000001666	777230025746	322616747441
(1104)	210120372400	175041030100	000000001745	506741140000	000016667010	776712042744	167474412101	203724001750
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