

#251
(1 of 2)

EXPLORER 34

2.5 SEC.OND MAGNETIC FIELD VECTORS

67-051A-11D

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

EXPLORER 34

2.5 SECOND MAGNETIC FIELD VECTORS

67-051A-11D

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED 136 9-TRACK, 300 BPI TAPES WRITTEN IN BINARY. THERE ARE 20 RESTORED TAPES. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR01640	DS01640	D12944	1	05/24/67 - 05/28/67
		D12945	2	05/28/67 - 06/02/67
		D12946	3	06/02/67 - 06/06/67
		D12947	4	06/06/67 - 06/10/67
		D12948	5	06/10/67 - 06/15/67
		D12949	6	06/15/67 - 06/19/67
		D12950	7	06/19/67 - 06/23/67
DR01641	DS01641	D12951	1	06/23/67 - 06/28/67
		D12952	2	06/28/67 - 07/02/67
		D12953	3	07/02/67 - 07/06/67
		D12954	4	07/06/67 - 07/11/67
		D12955	5	07/11/67 - 07/15/67
		D12956	6	07/15/67 - 07/19/67
		D12957	7	07/19/67 - 07/24/67
DR01642	DS01642	D12958	1	07/24/67 - 07/28/67
		D12959	2	07/28/67 - 08/01/67
		D12960	3	08/01/67 - 08/06/67
		D12961	4	08/06/67 - 08/10/67
		D12962	5	08/10/67 - 08/14/67
		D12963	6	08/14/67 - 08/19/67
		D12964	7	08/19/67 - 08/23/67
DR01643	DS01643	D12965	1	08/23/67 - 08/27/67 (a)
		D12966	2	08/27/67 - 09/01/67
		D12967	3	09/01/67 - 09/05/67
		D12968	4	09/05/67 - 09/09/67
		D12969	5	09/09/67 - 09/14/67
		D12970	6	09/14/67 - 09/18/67
		D12971	7	09/18/67 - 09/22/67
		D12972	8	09/22/67 - 09/27/67
		D12973	9	09/27/67 - 10/01/67

DR#	DS#	D#	FILES	TIME SPAN
DR01644	DS01644	D12974	1	10/01/67 - 10/05/67
		D12975	2	10/05/67 - 10/10/67
		D12976	3	10/10/67 - 10/14/67
		D12977	4	10/14/67 - 10/18/67
		D12978	5	10/18/67 - 10/23/67
		D12979	6	10/23/67 - 10/27/67
		D12980	7	10/27/67 - 10/31/67
DR01645	DS01645	D12981	1	10/31/67 - 11/05/67
		D12982	2	11/07/67 - 11/09/67
		D12983	3	11/09/67 - 11/13/67
		D12984	4	11/13/67 - 11/18/67
		D12985	5	11/18/67 - 11/22/67
		D12986	6	11/22/67 - 11/26/67
		D12987	7	11/26/67 - 12/01/67
DR01646	DS01646	D12988	1	12/01/67 - 12/05/67
		D12989	2	12/05/67 - 12/09/67
		D12990	3	12/09/67 - 12/12/67
		D12991	4	12/12/67 - 12/18/67
		D12992	5	12/18/67 - 12/22/67
		D12993	6	12/22/67 - 12/26/67
		D13103	7	12/26/67 - 12/31/67
DR01647	DS01647	D13104	1	01/04/68 - 01/08/68
		D13105	2	01/08/68 - 01/13/68
		D13106	3	01/13/68 - 01/17/68
		D13107	4	01/17/68 - 01/21/68
		D13108	5	01/21/68 - 01/26/68
		D13109	6	02/04/68 - 02/08/68
		D13110	7	02/08/68 - 02/12/68
DR01648	DS01648	D13111	1	02/12/68 - 02/16/68
		D13112	2	02/16/68 - 02/21/68
		D13113	3	02/21/68 - 02/25/68
		D13114	4	02/25/68 - 02/29/68
		D13115	5	02/29/68 - 03/05/68
		D13116	6	03/05/68 - 03/09/68
		D13117	7	03/17/68 - 03/21/68
DR01649	DS01649	D13118	1	03/26/68 - 03/30/68
		D13119	2	03/31/68 - 04/04/68
		D13120	3	04/04/68 - 04/08/68
		D13121	4	04/08/68 - 04/13/68
		D13122	5	04/17/68 - 04/21/68
		D13123	6	04/21/68 - 04/26/68
		D13124	7	04/26/68 - 04/30/68
DR01650	DS01650	D13125	1	04/30/68 - 05/04/68
		D13126	2	05/04/68 - 05/09/68
		D13127	3	05/09/68 - 05/13/68
		D13461	4	05/13/68 - 05/17/68
		D13462	5	05/17/68 - 05/22/68
		D13463	6	05/22/68 - 05/26/68
		D13464	7	05/26/68 - 05/30/68

DR#	DS#	D#	FILES	TIME SPAN
DR01651	DS01651	D13465	1	06/30/68 - 06/04/68
		D13466	2	06/04/68 - 06/08/68
		D13467	3	06/08/68 - 06/12/68
		D13468	4	06/12/68 - 06/17/68
		D13469	5	06/17/68 - 06/21/68
		D13470	6	06/21/68 - 06/25/68
		D13471	7	06/25/68 - 06/30/68
DR01652	DS01652	D13472	1	06/30/68 - 07/04/68
		D13473	2	07/04/68 - 07/08/68
		D13474	3	07/08/68 - 07/13/68
		D13475	4	07/13/68 - 07/17/68
		D13476	5	07/17/68 - 07/21/68
		D13477	6	07/21/68 - 07/26/68
		D13478	7	07/26/68 - 07/30/68
DR01653	DS01653	D13479	1	07/30/68 - 08/03/68
		D13480	2	08/03/68 - 08/08/68
		D13481	3	08/08/68 - 08/12/68
		D13482	4	08/12/68 - 08/15/68
		D13483	5	08/15/68 - 08/20/68
		D13484	6	08/20/68 - 08/25/68
		D13485	7	08/25/68 - 08/29/68
DR01654	DS01654	D13486	1	08/29/68 - 09/02/68
		D13487	2	09/02/68 - 09/07/68
		D13488	3	09/07/68 - 09/11/68
		D13489	4	09/11/68 - 09/15/68
		D13490	5	09/15/68 - 09/20/68
		D13491	6	09/20/68 - 09/24/68
		D13492	7	09/24/68 - 09/28/68
DR01655	DS01655	D13493	1	09/28/68 - 10/03/68
		D13494	2	10/03/68 - 10/07/68
		D13495	3	10/07/68 - 10/11/68
		D13496	4	10/11/68 - 10/16/68
		D13497	5	10/16/68 - 10/20/68
		D13498	6	10/20/68 - 10/24/68
		D13499	7	10/29/68 - 11/02/68
DR01656	DS01656	D13500	1	11/02/68 - 11/06/68
		D13501	2	11/06/68 - 11/11/68
		D13502	3	11/11/68 - 11/15/68
		D13503	4	11/15/68 - 11/19/68
		D13504	5	11/19/68 - 11/24/68
		D13505	6	11/24/68 - 11/27/68
		D13506	7	11/27/68 - 12/02/68
DR01657	DS01657	D13507	1	12/02/68 - 12/07/68
DR01658	DS01658	D13508	1	12/11/68 - 12/15/68
		D13509	2	12/15/68 - 12/20/68
		D13510	3	12/20/68 - 12/24/68
		D13511	4	12/24/68 - 12/28/68
		D13512	5	12/28/68 - 01/02/69
		D13513	6	01/02/69 - 01/06/69
		D13514	7	01/06/69 - 01/10/69

DR#	DS#	D#	FILES	TIME SPAN
DR01659	DS01659	D13515	1	01/10/69 - 01/15/69
		D13516	2	01/15/69 - 01/19/69
		D13517	3	01/19/69 - 01/23/69
		D13518	4	01/23/69 - 01/28/69
		D13519	5	01/28/69 - 02/01/69
		D13520	6	02/01/69 - 02/05/69
		D13521	7	02/05/69 - 02/10/69

(a) DR01643 CONTAINS 9 FILES. DURING THE RESTORATION PROCESS, 2 OF THE ORIGINAL D TAPES WERE VERY DIFFICULT TO READ. ONLY PARTIAL RECORDS WERE COPIED. THOSE 2 D TAPES WERE D12965 AND 12966.

EXPLORER 34

2.5 SECOND MAGNETIC FIELD VECTORS

67-051A-11D

This data set consists of 136 800 BPI, binary tapes that were produced on an IBM/360. The tapes are 9 track and contain one file of data. The records are variable - spanned with a logical record length of 1232 bytes and a block size of 19716 bytes.

<u>D#</u>	<u>C#</u>	<u>ORBIT #</u>	<u>START</u>	<u>STOP</u>
D-12944 •	C-09681	1	5/24/67	5/28/67
D-12945 •	C-09682	2	5/28/67	6/02/67
D-12946	C-09683	3	6/02/67	6/06/67
D-12947	C-09684	4	6/06/67	6/10/67
D-12948 •	C-09685	5	6/10/67	6/15/67
D-12949	C-09686	6	6/15/67	6/19/67
D-12950	C-09687	7	6/19/67	6/23/67
D-12951	C-09688	8	6/23/67	6/28/67
D-12952	C-09698	9	6/28/67	7/02/67
D-12953 •	C-09690	10	7/02/67	7/06/67
D-12954 •	C-09691	11	7/06/67	7/11/67
D-12955	C-09692	12	7/11/67	7/15/67
D-12956	C-09693	13	7/15/67	7/19/67
D-12957	C-09694	14	7/19/67	7/24/67
D-12958 •	C-09695	15	7/24/67	7/28/67
D-12959 •	C-09696	16	7/28/67	8/01/67
D-12960 •	C-09697	17	8/01/67	8/06/67
D-12961 •	C-09698	18	8/06/67	8/10/67
D-12962	C-09699	19	8/10/67	8/14/67
D-12963	C-09700	20	8/14/67	8/19/67
D-12964 •	C-09701	21	8/19/67	8/23/67

<u>D#</u>	<u>C#</u>	<u>ORBIT #</u>	<u>START</u>	<u>STOP</u>
D-12965 *	C-09702	22	8/23/67	8/27/67
D-12966 *	C-09703	23	8/27/67	9/01/67
D-12967 *	C-09704	24	9/01/67	9/05/67
D-12968	C-09705	25	9/05/67	9/09/67
D-12969	C-09706	26	9/09/67	9/14/67
D-12970	C-09707	27	9/14/67	9/18/67
D-12971	C-09708	28	9/18/67	9/22/67
D-12972 *	C-09709	29	9/22/67	9/27/67
D-12973	C-09710	30	9/27/67	10/01/67
D-12974	C-09711	31	10/01/67	10/05/67
D-12975 *	C-09712	32	10/05/67	10/10/67
D-12976	C-09713	33	10/10/67	10/14/67
D-12977 *	C-09714	34	10/14/67	10/18/67
D-12978	C-09715	35	10/18/67	10/23/67
D-12979	C-09716	36	10/23/67	10/27/67
D-12980	C-09717	37	10/27/67	10/31/67
D-12981	C-09718	38	10/31/67	11/05/67
D-12982 *	C-09719	39	11/07/67	11/09/67
D-12983	C-09720	40	11/09/67	11/13/67
D-12984	C-09721	41	11/13/67	11/18/67
D-12985	C-09722	42	11/18/67	11/22/67
D-12986	C-09723	43	11/22/67	11/26/67
D-12987 *	C-09724	44	11/26/67	12/01/67
D-12988	C-09725	45	12/01/67	12/05/67
D-12989	C-09726	46	12/05/67	12/09/67
D-12990	C-09727	47	12/09/67	12/12/67
D-12991 *	C-09728	48	12/12/67	12/18/67
D-12992 *	C-09729	49	12/18/67	12/22/67
D-12993	C-09730	50	12/22/67	12/26/67
D-13103	C-09838	51	12/26/67	12/31/67

<u>D#</u>	<u>C#</u>	<u>ORBIT #</u>	<u>START</u>	<u>STOP</u>
D-13104 •	C-09839	53	1/04/68	1/08/68
D-13105	C-09840	54	1/08/68	1/13/68
D-13106	C-09841	55	1/13/68	1/17/68
D-13107	C-09842	56	1/17/68	1/21/68
D-13108	C-09843	57	1/21/68	1/26/68
D-13109	C-09844	60	2/04/68	2/08/68
D-13110	C-09845	61	2/08/68	2/12/68
D-13111	C-09846	62	2/12/68	2/16/68
D-13112	C-09847	63	2/16/68	2/21/68
D-13113	C-09848	64	2/21/68	2/25/68
D-13114	C-09849	65	2/25/68	2/29/68
D-13115	C-09850	66	2/29/68	3/05/68
D-13116 •	C-09851	67	3/05/68	3/09/68
D-13117	C-09852	70	3/17/68	3/21/68
D-13118	C-09853	72	3/26/68	3/30/68
D-13119 •	C-09854	73	3/31/68	4/04/68
D-13120	C-09855	74	4/04/68	4/08/68
D-13121	C-09856	75	4/08/68	4/13/68
D-13122 •	C-09857	77	4/17/68	4/21/68
D-13123	C-09858	78	4/21/68	4/26/68
D-13124	C-09859	79	4/26/68	4/30/68
D-13125	C-09860	80	4/30/68	5/04/68
D-13126	C-09861	81	5/04/68	5/09/68
D-13127	C-09862	82	5/09/68	5/13/68
D-13461	C-10032	83	5/13/68	5/17/68
D-13462	C-10033	84	5/17/68	5/22/68
D-13463	C-10034	85	5/22/68	5/26/68
D-13464	C-10035	86	5/26/68	5/30/68
D-13465	C-10036	87	5/30/68	6/04/68
D-13466	C-10037	88	6/04/68	6/08/68

<u>D#</u>	<u>C#</u>	<u>ORBIT #</u>	<u>START</u>	<u>STOP</u>
D-13467	C-10038	89	6/08/68	6/12/68
D-13468	C-10039	90	6/12/68	6/17/68
D-13469	C-10040	91	6/17/68	6/21/68
D-13470	C-10041	92	6/21/68	6/25/68
D-13471	C-10042	93	6/25/68	6/30/68
D-13472	C-10043	94	6/30/68	7/04/68
D-13473	C-10044	95	7/04/68	7/08/68
D-13474	C-10045	96	7/08/68	7/13/68
D-13475	C-10046	97	7/13/68	7/17/68
D-13476	C-10047	98	7/17/68	7/21/68
D-13477	C-10048	99	7/21/68	7/26/68
D-13478	C-10049	100	7/26/68	7/30/68
D-13479	C-10050	101	7/30/68	8/03/68
D-13480	C-10051	102	8/03/68	8/08/68
D-13481	C-10052	103	8/08/68	8/12/68
D-13482	C-10053	104	8/12/68	8/15/68
D-13483	C-10054	105	8/15/68	8/20/68
D-13484	C-10055	106	8/20/68	8/25/68
D-13485	C-10056	107	8/25/68	8/29/68
D-13486	C-10057	108	8/29/68	9/02/68
D-13487	C-10058	109	9/02/68	9/07/68
D-13488	C-10059	110	9/07/68	9/11/68
D-13489	C-10060	111	9/11/68	9/15/68
D-13490	C-10061	112	9/15/68	9/20/68
D-13491	C-10062	113	9/20/68	9/24/68
D-13492	C-10063	114	9/24/68	9/28/68
D-13493	C-10064	115	9/28/68	10/03/68
D-13494	C-10065	116	10/03/68	10/07/68
D-13495	C-10066	117	10/07/68	10/11/68
D-13496	C-10067	118	10/11/68	10/16/68

<u>D#</u>	<u>C#</u>	<u>ORBIT #</u>	<u>START</u>	<u>STOP</u>
D-13497	C-10068	119	10/16/68	10/20/68
D-13498	C-10069	120	10/20/68	10/24/68
D-13499 •	C-10070	122	10/29/68	11/02/68
D-13500	C-10071	123	11/02/68	11/06/68
D-13501 •	C-10072	124	11/06/68	11/11/68
D-13502 •	C-10073	125	11/11/68	11/15/68
D-13503 •	C-10074	126	11/15/68	11/19/68
D-13504	C-10075	127	11/19/68	11/24/68
D-13505	C-10076	128	11/24/68	11/27/68
D-13506 •	C-10077	129	11/27/68	12/02/68
D-13507 •	C-10078	130	12/02/68	12/07/68
D-13508	C-10079	132	12/11/68	12/15/68
D-13509	C-10080	133	12/15/68	12/20/68
D-13510	C-10081	134	12/20/68	12/24/68
D-13511	C-10082	135	12/24/68	12/28/68
D-13512	C-10083	136	12/28/68	1/02/69
D-13513	C-10084	137	1/02/69	1/06/69
D-13514 •	C-10085	138	1/06/69	1/10/69
D-13515	C-10086	139	1/10/69	1/15/69
D-13516	C-10087	140	1/15/69	1/19/69
D-13517 •	C-10088	141	1/19/69	1/23/69
D-13518	C-10089	142	1/23/69	1/28/69
D-13519 •	C-10090	143	1/28/69	2/01/69
D-13520 •	C-10091	144	2/01/69	2/05/69
D-13521 •	C-10092	145	2/05/69	2/10/69

**IMP F & G PHASE II
MAGNETIC FIELD ANALYSIS**

**William Mish
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**April 1968
Revised July 1968**

Part II

Introduction

The Phase II Analysis uses the Binary Summary Tapes produced by the Phase I Analysis (see Reference 1 and Appendix B) for each orbit as input to the utility sort program. These Binary Summary Tapes contain overlapping data originally on the IMP F Magnetic Field Experimenter Tape for the orbit and the sort arranges these telemetry sequences in chronological order with respect to time (overlapping sequences are arranged contiguously).

The following major functions are performed by the Phase II Analysis after sorting is completed:

- 1) Elimination of redundant sequences using redundancy criteria.
- 2) Hourly averages for SE, SM and Solar Magnetic (GM) coordinates are computed and punched on hourly average cards along with the appropriate trajectory information for the coordinate system.
- 3) At the end of each file the detail measurements from the Payload, SE and SM coordinates are formatted for plotting on the SC 4020 plotter.
- 4) The data from the autocorrelation computer are analyzed.
- 5) A new Nonredundant Binary Summary tape is produced.

The switching vector card is used to determine what coordinate system(s) are to be used in the hourly average computations and the detail SC 4020 plotting. In Table 1 check marks indicate what is available in the different frames of reference.

FRAME OF REFERENCE	HOURLY AVERAGE CARDS	SC 4020 DETAIL PLOTS*
Payload		✓
SE	✓	✓
SM	✓	✓
GM	✓	

TABLE II-1

In summary the Phase II Analysis produces four different outputs using three different types of output media:

- 1.) Magnetic Tape
 - a.) SC 4020 plot tape
 - b.) Nonredundant Binary Summary Tape
- 2.) Hourly average cards
- 3.) The power spectrum and refined autocorrelation information from the analysis of the autocorrelation computer data are printed on the high speed line printer.

*Only one of the three frames of reference can be plotted per program run because only one SC 4020 plot tape is available.

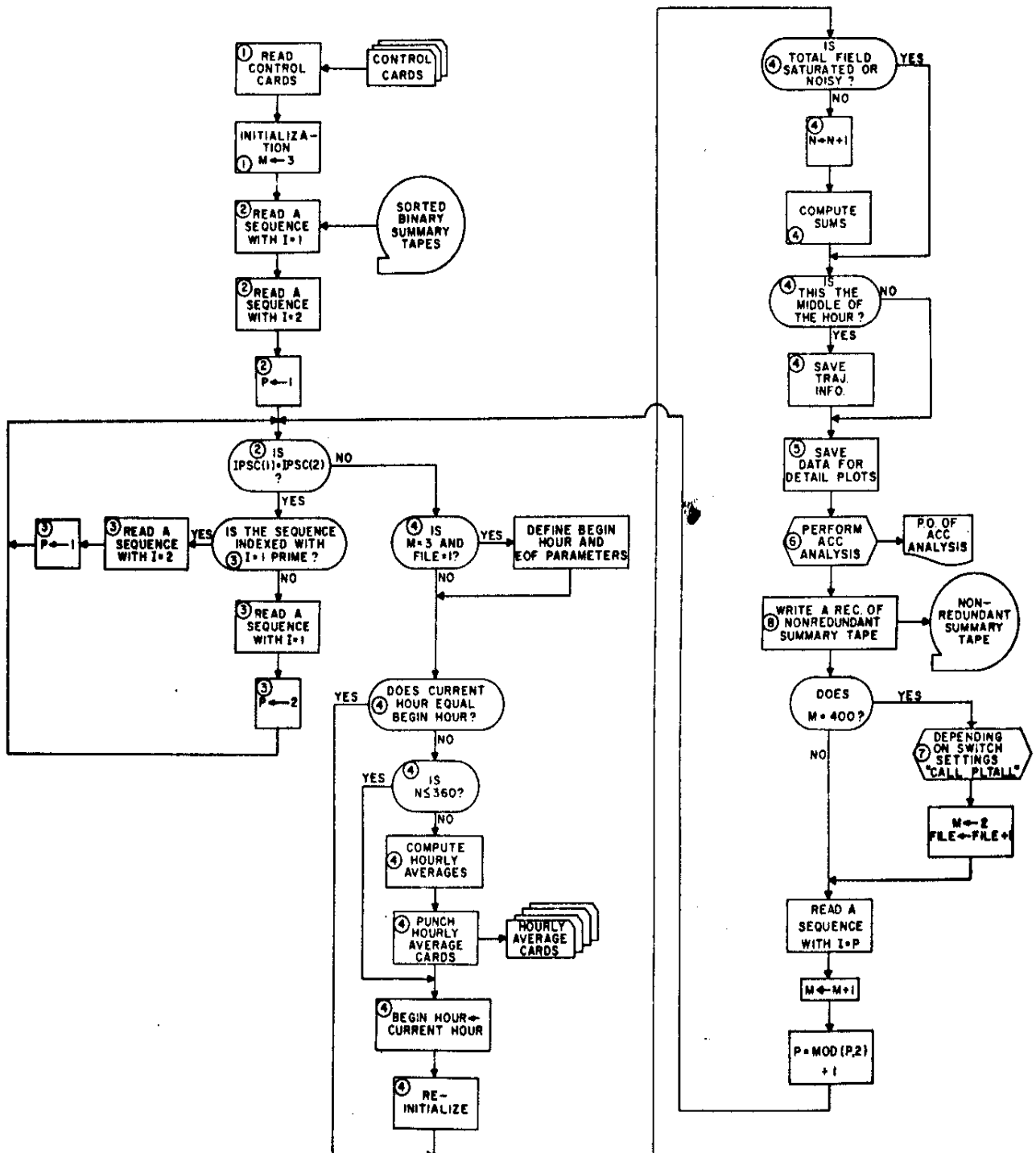
b) The abscissa is labeled with the $\frac{1}{2}$ -hour period
being plotted.

8) Generation of the Nonredundant Binary Summary Tape

A Binary Summary Tape record is written in the same
format as the input tape record. As a result of Section
3 redundant sequences are not included on this tape.

These Nonredundant Binary Summary Tapes from each orbit
comprise the permanent tape library for the IMP-F magnetic
field experiment.

PHASE II ANALYSIS FLOWCHART



APPENDIX B

IMP F SUMMARY TAPE FORMAT

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
1	Satellite I. D.	I
2	Orbit Number	I
3	Telemetry Recording Station Number	I
4	Analog Tape Number	I
5	Analog-To-Digital Line I. D.	I
6	Day of Year (Start)	I
7	Milliseconds of Day	I
8	Day of Year (Stop)	I
9	Milliseconds of Day	I
10	Average Sequence Time (Milliseconds) This File	I
11	Quick Look Data Flag	I
12	Orbit/No Orbit Data Flag	I
13	Decom Process Date Year	I
14	Decom Process Date Month	I
15	Decom Process Date Day	I
16	Decom Process Date Hour	I
17	Orbit Tape I. D. Reel Number	I
18	Orbit Tape Date of Generation Year	I
19	Orbit Tape Date of Generation Month	I

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
20	Orbit Tape Date of Generation Day	I
21	Average Spin Period in Milliseconds	I
22	Year of Start Time	I
23	Year of Stop Time	I
24	Experimenter Tape Number	A4
25	Analysis Date	A4
26	Year of Frame 0, Channel 0	I
27	Day of Frame 0, Channel 0 (Decimal Day)	I
28	Milliseconds of Day	I
29	Time Quality Flag	I
30	Data Quality Flag for this Sequence	I
31	Experimenter On/Off Flags (Frame 4, Channel 2)	I
32	Orbit Data Flag	I
33	Analog Calibration Flag (Channel 1, Frame 4)	I
34	Pseudo-Sequence Count Quality Flag	I
35	Pseudo-Sequence Count	I
36	Sequence I. D. Quality Flag	I
37	Sequence I. D.	I
38	Satellite Clock	I
39	Average Frame Time in Milliseconds	I
40	PP21 (Bellows Temperature)	I

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
41	PP7 (+11.7 Volt Line)	I
42	Frame Number (1)	I
43	X Apparent	F
44	Y Apparent	F
45	Z Apparent	F
46	Frame Number (3)	I
47	X Apparent	F
48	Y Apparent	F
49	Z Apparent	F
50	Frame Number (5)	I
51	X Apparent	F
52	Y Apparent	F
53	Z Apparent	F
54	Frame Number (7)	I
55	X Apparent	F
56	Y Apparent	F
57	Z Apparent	F
58	Frame Number (9)	I
59	X Apparent	F
60	Y Apparent	F
61	Z Apparent	F

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
62	Frame Number (11)	I
63	X Apparent	F
64	Y Apparent	F
65	Z Apparent	F
66	Frame Number (13)	I
67	X Apparent	F
68	Y Apparent	F
69	Z Apparent	F
70	Frame Number (15)	I
71	X Apparent	F
72	Y Apparent	F
73	Z Apparent	F
74	Frame 8, Channel 1a, 1b, 2a	I
75	Frame 8, Channel 2b	I
76	Frame 8, Channel 3a, 3b	I
77	Frame 8, Channel 4a	I
78	Frame 8, Channel 4b, 5a	I
79	Frame 8, Channel 5b	I
80	Frame 8, Channel 6a, 6b	I
81	Frame 8, Channel 7a	I
82	Frame 8, Channel 7b, 8a	I

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
83	Frame 8, Channel 8b	I
84	Frame 8, Channel 9a, 9b	I
85	Frame 8, Channel 10a	I
86	Frame 8, Channel 10b, 11a	I
87	Frame 8, Channel 11b	I
88	Frame 8, Channel 12a, 12b	I
89	Frame 8, Channel 13a	I
90	Frame 8, Channel 13b, 14a	I
91	Frame 8, Channel 14b	I
92	Frame 8, Channel 15a, 15b	I
93	0A SCAN (Spin-Axis-Sun-Angle)	F
94	0A1 (Sun Time)	F
95	0A2 (Spin Period)	F
96	0A3 (Earth Time)	F
97	0A4 (Earth Width)	F
98	Day of Orbit Data	I
99	Milliseconds of Day of Orbit Data	I
100 - 142	Items 231-273 (Trajectory Data) from IMP F Experimenter Tape Format	F
143	X Payload	F
144	Y Payload	F
145	Z Payload	F

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
146	ALPHA Payload	F
147	PSI Payload	F
148	Total Field Payload	F
191	X Average Payload	F
192	Y Average Payload	F
193	Z Average Payload	F
194	TOTAL FIELD AVERAGE 1 Payload	F
195	TOTAL FIELD AVERAGE 2 Payload	F
196	ALPHA Average Payload	F
197	PSI Average Payload	F
198	Standard Deviation of X Payload	F
199	Standard Deviation of Y Payload	F
200	Standard Deviation of Z Payload	F
201	Standard Deviation of Total Field 1 Payload	F
202	Standard Deviation of Total Field 2 Payload	F
203	Component Ratio Payload	F
204	Total Field Ratio Payload	F
205	X Solar Ecliptic	F
206	Y Solar Ecliptic	F
207	Z Solar Ecliptic	F
208	THETA Solar Ecliptic	F
209	PHI Solar Ecliptic	F

For Frames
1, 3, 5, 7, 9, 11, 13, 15

For Frames
1, 3, 5, 7, 9, 11, 13, 15

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
245	X Average Solar Ecliptic	F
246	Y Average Solar Ecliptic	F
247	Z Average Solar Ecliptic	F
248	THETA Average Solar Ecliptic	F
249	PHI Average Solar Ecliptic	F
250	Standard Deviation of X Solar Ecliptic	F
251	Standard Deviation of Y Solar Ecliptic	F
252	Standard Deviation of Z Solar Ecliptic	F
253	Component Ratio Solar Ecliptic	F
254	Total Field Ratio Solar Ecliptic	F
255	X Solar Magnetospheric	F
256	Y Solar Magnetospheric	F
257	Z Solar Magnetospheric	F
258	THETA Solar Magnetospheric	F
259	PHI Solar Magnetospheric	F
295	X Average Solar Magnetospheric	F
296	Y Average Solar Magnetospheric	F
297	Z Average Solar Magnetospheric	F
298	THETA Average Solar Magnetospheric	F
299	PHI Average Solar Magnetospheric	F
300	Standard Deviation of X Solar Magnetospheric	F

For Frames
1, 3, 5, 7, 9, 11, 13, 15

<u>Item No.</u>	<u>Identification</u>	<u>Format</u>
301	Standard Deviation of Y Solar Magnetospheric	F
302	Standard Deviation of Z Solar Magnetospheric	F
303	Component Ratio Solar Magnetospheric	F
304	Total Field Ratio Solar Magnetospheric	F
305	Celestial Inertial Orientation of Spin Axis for X	F
306	Celestial Inertial Orientation of Spin Axis for Y	F
307	Celestial Inertial Orientation of Spin Axis for Z	F

End of tape is indicated by an EOF mark. Files are not separated by any logical type of EOF record. This is a 9 track IBM 360 binary tape (999.0 indicates bad data). All words are single precision (i.e. 4 bytes in length).

$$\begin{array}{r}
 307 \\
 4 \\
 \hline
 1228 \\
 4 \\
 \hline
 1232
 \end{array}$$

67-057H-11D

CATALOG OF IMP F MAGNETIC FLD DATA BY TIME

SATELLITE EXP	ORBIT NUMBER	BEGIN YEAR	BEGIN MNT	BEGIN DAY OF MNT	BEGIN TIME	END YEAR	END MNT	END DAY OF MNT	END TIME	PRIMARY TAPE NC	BK UP TAPE NC
IMPF-MAGFLC	1	67	5	24	.1436014+03	67	5	28	.1479525E+03	3.022	2.997
IMPF-MAGFLC	2	67	5	28	.1479317+03	67	6	2	.1522153E+03	2.603	2.998
IMPF-MAGFLC	3	67	6	2	.1522401E+03	67	6	6	.1565504E+03	2.409	2.998
IMPF-MAGFLC	4	67	6	6	.1565618E+03	67	6	10	.1606530E+03	2.412	2.742
IMPF-MAGFLC	5	67	6	10	.1608714E+03	67	6	15	.1666530E+03	2.417	2.847
IMPF-MAGFLC	6	67	6	15	.1652029E+03	67	6	19	.1654995E+03	3.020	2.405
IMPF-MAGFLC	7	67	6	19	.1655167E+03	67	6	23	.1728039E+03	2.780	3.034
IMPF-MAGFLC	8	67	6	23	.1738266E+03	67	6	28	.1768652E+03	2.324	2.604
IMPF-MAGFLC	9	67	6	28	.1781606E+03	67	7	2	.1824354E+03	2.419	3.193
IMPF-MAGFLC	10	67	7	2	.1824702E+03	67	7	6	.1867344E+03	2.410	3.363
IMPF-MAGFLC	11	67	7	6	.1867915E+03	67	7	11	.1918263E+03	2.713	2.608
IMPF-MAGFLC	12	67	7	11	.1919731E+03	67	7	15	.1954439E+03	3.570	3.572
IMPF-MAGFLC	13	67	7	15	.1954514E+03	67	7	19	.1957575E+03	2.657	2.972
IMPF-MAGFLC	14	67	7	19	.1997715E+03	67	7	24	.2048703E+03	2.708	2.575
IMPF-MAGFLC	15	67	7	24	.2041036E+03	67	7	28	.2044288E+03	2.575	2.570
IMPF-MAGFLC	16	67	7	28	.2084400E+03	67	8	1	.2127508E+03	2.561	2.902
IMPF-MAGFLC	17	67	8	1	.2127693E+03	67	8	6	.2165906E+03	3.372	3.573
IMPF-MAGFLC	18	67	8	6	.2179094E+03	67	8	10	.2214534E+03	2.659	3.574
IMPF-MAGFLC	19	67	8	10	.2214702E+03	67	8	14	.2257661E+03	2.651	3.575
IMPF-MAGFLC	20	67	8	14	.2257878E+03	67	8	19	.2259474E+03	2.704	3.576
IMPF-MAGFLC	21	67	8	19	.2301138E+03	67	8	23	.2344187E+03	2.690	3.577
IMPF-MAGFLC	22	67	8	23	.2344544E+03	67	8	27	.2367607E+03	2.741	3.578
IMPF-MAGFLC	23	67	8	27	.2387827E+03	67	9	1	.2435215E+03	2.679	3.579
IMPF-MAGFLC	24	67	9	1	.2431068E+03	67	9	5	.24714261E+03	2.664	2.712
IMPF-MAGFLC	25	67	9	5	.2474747E+03	67	9	9	.2517500E+03	3.196	2.582
IMPF-MAGFLC	26	67	9	9	.2517772E+03	67	9	14	.2566694E+03	2.575	2.575
IMPF-MAGFLC	27	67	9	14	.2568872E+03	67	9	18	.2603567E+03	2.682	2.705
IMPF-MAGFLC	28	67	9	18	.2604236E+03	67	9	22	.2646560E+03	2.691	2.580
IMPF-MAGFLC	29	67	9	22	.2647488E+03	67	9	26	.2655146E+03	3.194	2.781
IMPF-MAGFLC	30	67	9	26	.2696636E+03	67	10	1	.2733677E+03	2.735	2.681
IMPF-MAGFLC	31	67	10	1	.2733875E+03	67	10	5	.2773259E+03	3.235	2.685
IMPF-MAGFLC	32	67	10	5	.2777427E+03	67	10	10	.2825398E+03	3.197	2.845
IMPF-MAGFLC	33	67	10	10	.2826746E+03	67	10	14	.2863538E+03	2.576	2.686
IMPF-MAGFLC	34	67	10	14	.2863558E+03	67	10	18	.2886233E+03	2.661	2.218
IMPF-MAGFLC	35	67	10	18	.2907455E+03	67	10	23	.2956597E+03	2.668	2.219
IMPF-MAGFLC	36	67	10	23	.2959626E+03	67	10	27	.2954214E+03	2.696	2.220
IMPF-MAGFLC	37	67	10	27	.2994099E+03	67	11	31	.3037705E+03	2.606	2.221
IMPF-MAGFLC	38	67	11	31	.3037766E+03	67	11	5	.3061047E+03	2.779	2.178
IMPF-MAGFLC	39	67	11	5	.3089572E+03	67	11	9	.3124160E+03	2.504	2.504
IMPF-MAGFLC	40	67	11	9	.3124172E+03	67	11	13	.3167424E+03	2.571	2.571
IMPF-MAGFLC	41	67	11	13	.3167424E+03	67	11	18	.3216799E+03	2.662	3.003
IMPF-MAGFLC	42	67	11	18	.3217551E+03	67	11	22	.3263472E+03	2.672	2.695
IMPF-MAGFLC	43	67	11	22	.3263816E+03	67	11	26	.3257158E+03	3.024	2.605
IMPF-MAGFLC	44	67	11	26	.3297177E+03	67	11	30	.3341650E+03	3.365	3.365
IMPF-MAGFLC	45	67	12	1	.3297177E+03	67	12	5	.3363125E+03	3.368	3.023
IMPF-MAGFLC	46	67	12	5	.3297177E+03	67	12	9	.3426636E+03	3.002	2.562
IMPF-MAGFLC	47	67	12	9	.3297177E+03	67	12	13	.3465629E+03	3.190	2.706
IMPF-MAGFLC	48	67	12	13	.3297177E+03	67	12	18	.3512634E+03	3.019	2.970
IMPF-MAGFLC	49	67	12	18	.3297177E+03	67	12	22	.3559324E+03	2.786	2.626
IMPF-MAGFLC	50	67	12	22	.3297177E+03	67	12	26	.3642368E+03	2.687	2.552
IMPF-MAGFLC	51	67	12	26	.3297177E+03	67	12	31	.3516101E+03	2.552	3.004
IMPF-MAGFLC	52	67	12	31	.3297177E+03	67	1	4	.3516101E+03	2.552	3.004
IMPF-MAGFLC	53	67	1	4	.3297177E+03	67	1	8	.3516101E+03	2.552	3.004
IMPF-MAGFLC	54	67	1	8	.3297177E+03	67	1	13	.3516101E+03	2.707	3.591

SATELLITE EXP	ORBIT NUMBER	BEGIN YEAR	BEGIN MNT	BEGIN DAY	CF	BEGIN TIME	END YEAR	END MNT	END DAY	END TIME	PRIMARY TAPE NC	PK UP TAPE NC
IMPF-MAGFLC	55	68	1	13		.1722676E+02	68	1	17	.1652077E+02	3.336	3.992
IMPF-MAGFLC	56	68	1	17		.1634201E+02	68	1	21	.1970493E+02	2.991	3.993
IMPF-MAGFLC	57	68	1	21		.2091443E+02	68	1	25	.2517744E+02	3.584	3.994
IMPF-MAGFLC	58	68	1	26		.2523259E+02	68	1	30	.2954198E+02		
IMPF-MAGFLC	59	68	1	30		.2955832E+02	68	2	3	.3342387E+02		
IMPF-MAGFLC	60	68	2	3		.3389377E+02	68	2	6	.3811027E+02	2.505	3.369
IMPF-MAGFLC	61	68	2	8		.3823299E+02	68	2	12	.4255056E+02	2.533	2.996
IMPF-MAGFLC	62	68	2	12		.4254973E+02	68	2	16	.4659912E+02	2.464	2.819
IMPF-MAGFLC	63	68	2	16		.4651356E+02	68	2	21	.5120709E+02	2.277	3.189
IMPF-MAGFLC	64	68	2	21		.5122699E+02	68	2	25	.5553140E+02	2.429	2.442
IMPF-MAGFLC	65	68	2	25		.5555223E+02	68	2	29	.5898099E+02	2.413	2.415
IMPF-MAGFLC	66	68	2	29		.5988104E+02	68	3	5	.6418309E+02	2.367	3.599
IMPF-MAGFLC	67	68	3	5		.6420439E+02	68	3	9	.6850526E+02	2.416	3.382
IMPF-MAGFLC	68	68	3	9		.6852089E+02	68	3	13	.7254070E+02		
IMPF-MAGFLC	69	68	3	13		.7254066E+02	68	3	18	.7716501E+02		
IMPF-MAGFLC	70	68	3	18		.7719412E+02	68	3	22	.8150233E+02		3.441
IMPF-MAGFLC	71	68	3	22		.8151749E+02	68	3	26	.8543847E+02		
IMPF-MAGFLC	72	68	3	26		.8585764E+02	68	3	31	.9015590E+02	3.334	2.660
IMPF-MAGFLC	73	68	3	31		.9018526E+02	68	4	4	.9450293E+02	3.610	2.064
IMPF-MAGFLC	74	68	4	4		.9451430E+02	68	4	8	.9841943E+02	3.200	3.195
IMPF-MAGFLC	75	68	4	8		.9884334E+02	68	4	13	.1021892E+03	2.505	2.586
IMPF-MAGFLC	76	68	4	13		.1032131E+03	68	4	17	.1075414E+03		
IMPF-MAGFLC	77	68	4	17		.1075428E+03	68	4	21	.1116439E+03	2.408	2.581
IMPF-MAGFLC	78	68	4	21		.1118704E+03	68	4	26	.1141607E+03	3.385	3.386
IMPF-MAGFLC	79	68	4	26		.1161988E+03	68	4	30	.1205197E+03	2.423	2.424
IMPF-MAGFLC	80	68	4	30		.1205709E+03	68	5	4	.1248244E+03	2.585	2.607
IMPF-MAGFLC	81	68	5	4		.1248521E+03	68	5	9	.1251738E+03	3.373	3.374
IMPF-MAGFLC	82	68	5	9		.1291991E+03	68	5	13	.1335239E+03	2.714	2.714
IMPF-MAGFLC	83	68	5	13		.1335213E+03	68	5	17	.1377996E+03	3.377	3.378
IMPF-MAGFLC	84	68	5	17		.1378295E+03	68	5	22	.1421339E+03	3.331	3.332
IMPF-MAGFLC	85	68	5	22		.1421469E+03	68	5	26	.1444811E+03	3.046	3.047
IMPF-MAGFLC	86	68	5	26		.1464790E+03	68	5	30	.1507742E+03	2.569	3.198
IMPF-MAGFLC	87	68	5	30		.1507834E+03	68	6	4	.1559682E+03	2.739	2.740
IMPF-MAGFLC	88	68	6	4		.1559611E+03	68	6	8	.1554270E+03	2.427	2.428
IMPF-MAGFLC	89	68	6	8		.1554417E+03	68	6	12	.1627470E+03	2.579	2.580
IMPF-MAGFLC	90	68	6	12		.1637570E+03	68	6	17	.1664459E+03	2.585	2.586
IMPF-MAGFLC	91	68	6	17		.1686755E+03	68	6	21	.1724018E+03	2.420	2.687
IMPF-MAGFLC	92	68	6	21		.1724056E+03	68	6	25	.1767078E+03	2.755	2.846
IMPF-MAGFLC	93	68	6	25		.1767164E+03	68	6	30	.1813048E+03	2.503	2.907
IMPF-MAGFLC	94	68	6	30		.1812892E+03	68	7	4	.1833898E+03	2.787	3.335
IMPF-MAGFLC	95	68	7	4		.1853945E+03	68	7	8	.1857136E+03	3.017	3.371
IMPF-MAGFLC	96	68	7	8		.1857129E+03	68	7	13	.1943815E+03	2.692	2.693
IMPF-MAGFLC	97	68	7	13		.1943815E+03	68	7	17	.1963816E+03	3.370	3.376
IMPF-MAGFLC	98	68	7	17		.1983752E+03	68	7	21	.2027035E+03	2.544	2.909
IMPF-MAGFLC	99	68	7	21		.2027035E+03	68	7	25	.2070983E+03	2.568	3.388
IMPF-MAGFLC	100	68	7	25		.2070983E+03	68	7	30	.2113905E+03	2.472	2.699
IMPF-MAGFLC	101	68	7	30		.2170495E+03	68	8	3	.2165303E+03	2.685	2.559
IMPF-MAGFLC	102	68	8	3		.2170495E+03	68	8	7	.220116E+03	2.563	2.709
IMPF-MAGFLC	103	68	8	7		.220116E+03	68	8	12	.2243598E+03	2.609	2.158
IMPF-MAGFLC	104	68	8	12		.2243598E+03	68	8	16	.226772E+03	2.160	2.158
IMPF-MAGFLC	105	68	8	16		.226772E+03	68	8	20	.2325870E+03	3.419	3.420
IMPF-MAGFLC	106	68	8	20		.2325870E+03	68	8	25	.2373326E+03	2.579	2.579
IMPF-MAGFLC	107	68	8	25		.2373326E+03	68	8	29	.2416605E+03	2.529	3.000
IMPF-MAGFLC	108	68	8	29		.2416605E+03	68	9	2	.2455722E+03	3.426	3.427

06/12/73

CATALOG CF IMP MAGNETIC FLD DATA BY TIME

PAGE 3

S. TELLITE EXP	ORBIT NUMBER	BEGIN YEAR	BEGIN MNT	BEGIN DAY	CF	BEGIN TIME	END YEAR	END MNT	END DAY	OF	END TIME	PRIMARY TAPE NC	EX UP TAPE NC
IMPF-MAGFLC	105	68	9	2		.2459722E+03	68	9	7		.25(25)3E+03	3.424	3.425
IMPF-MAGFLC	110	68	5	7		.2502911E+03	68	5	11		.2545917E+03	3.428	3.429
IMPF-MAGFLC	111	68	5	11		.2546357E+03	68	5	15		.2565880E+03	2.468	2.548
IMPF-MAGFLC	112	68	5	15		.2589551E+03	68	5	20		.2632705E+03	3.391	2.541
IMPF-MAGFLC	113	68	5	20		.2632690E+03	68	9	24		.2676589E+03	3.392	3.389
IMPF-MAGFLC	114	68	9	24		.2676563E+03	68	9	28		.2719690E+03	3.437	3.438
IMPF-MAGFLC	115	68	5	28		.2719666E+03	68	10	3		.2742625E+03	3.439	3.440
IMPF-MAGFLC	116	68	10	3		.2762756E+03	68	10	7		.2806943E+03	2.826	2.828
IMPF-MAGFLC	117	68	10	7		.2806943E+03	68	10	11		.2849648E+03	3.413	2.566
IMPF-MAGFLC	118	68	10	11		.2849648E+03	68	10	15		.2892664E+03	2.703	2.547
IMPF-MAGFLC	119	68	10	15		.2892664E+03	68	10	19		.2936274E+03	2.558	2.547
IMPF-MAGFLC	120	68	10	19		.2936274E+03	68	10	23		.2979402E+03	2.517	2.478
IMPF-MAGFLC	121	68	10	23		.2979402E+03	68	10	27		.3022673E+03	3.442	3.442
IMPF-MAGFLC	122	68	10	27		.3022673E+03	68	11	31		.3066182E+03	3.380	3.327
IMPF-MAGFLC	123	68	11	31		.3066182E+03	68	11	1		.3111409E+03	2.574	2.569
IMPF-MAGFLC	124	68	11	1		.3111409E+03	68	11	5		.3152285E+03	2.162	2.557
IMPF-MAGFLC	125	68	11	5		.3152285E+03	68	11	9		.3195544E+03	3.381	3.192
IMPF-MAGFLC	126	68	11	9		.3195544E+03	68	11	13		.3238772E+03	2.402	3.390
IMPF-MAGFLC	127	68	11	13		.3238772E+03	68	11	17		.3281345E+03	3.447	3.448
IMPF-MAGFLC	128	68	11	17		.3281345E+03	68	11	21		.3325215E+03	3.444	3.445
IMPF-MAGFLC	129	68	11	21		.3325215E+03	68	12	25		.3368362E+03	3.422	3.423
IMPF-MAGFLC	130	68	12	25		.3368362E+03	68	12	29		.3411543E+03	3.587	2.306
IMPF-MAGFLC	131	68	12	29		.3411543E+03	68	12	1		.3454673E+03	3.589	2.573
IMPF-MAGFLC	132	68	12	1		.3454673E+03	68	12	5		.3498188E+03	3.591	2.577
IMPF-MAGFLC	133	68	12	5		.3498188E+03	68	12	9		.3541375E+03	2.574	2.977
IMPF-MAGFLC	134	68	12	9		.3541375E+03	68	12	13		.3584413E+03	3.591	3.582
IMPF-MAGFLC	135	68	12	13		.3584413E+03	68	12	17		.3627766E+03	2.574	2.977
IMPF-MAGFLC	136	68	12	17		.3627766E+03	68	12	21		.3670917E+03	3.581	3.585
IMPF-MAGFLC	137	68	12	21		.3670917E+03	68	12	25		.3715079E+03	2.782	3.585
IMPF-MAGFLC	138	68	12	25		.3715079E+03	68	12	29		.3759241E+03	3.387	3.448
IMPF-MAGFLC	139	68	12	29		.3759241E+03	68	12	1		.3803399E+03	3.616	3.619
IMPF-MAGFLC	140	68	1	1		.3803399E+03	68	1	5		.3847561E+03	3.620	3.621
IMPF-MAGFLC	141	68	1	5		.3847561E+03	68	1	9		.3891723E+03	2.698	3.624
IMPF-MAGFLC	142	68	1	9		.3891723E+03	68	1	13		.3935885E+03	3.625	3.626
IMPF-MAGFLC	143	68	1	13		.3935885E+03	68	1	17		.3980047E+03	3.627	3.594
IMPF-MAGFLC	144	68	1	17		.3980047E+03	68	1	21		.4024209E+03	3.628	3.629
IMPF-MAGFLC	145	68	2	21		.4024209E+03	68	2	25		.4068371E+03	3.613	3.614

Joe, the Data Center can have the tapes under the

"BK VP" heading, however, we would like new tape replacement.

Where there is one tape it under "BK VP" duplicate the "PRIMER" tape but please do not remove the "PRIMER" tape.

Enclosed is an X-10c that describes the tape format on page 81

++FT20F001 DD UNIT=(2400-9-DEFER).LABEL=(1.BLP..OUT).

++DCB=(RECFM=VBS,BLKSIZE=19716,LRECL=1232,DEB=2).

++DISP=(NEW,KEEP,DELETE).VOL=SER=8SUM

How Question Call me X5444 B.11 H.11

ORR

START: 5/24/67

Figure 1

Dupe of D-12944

START: 5/24/67

STOP: 5/28/67

41592D18	4019092C	3F950271	3F94730D	422938B5	C1810CHE	C22CA2D2	C22E7A77	43152EFC	42295D4C
C15E811E	C22BF531	C22E1671	4315F5F7	422A17AD9	C18B7741	C22BA522	C22E7A77	43152EFC	42295D4C
C118D31B	C22B5B6A	C22CF70B	4315F5F7	422B4ABA9	A0B87660	C22AFE91	C22CC6C1	40F81A04	422RC4DD
4133B1B8	C22A9628	C22C294D	41438C38	422BE08E	4157FBAB	C22A46DE	C22B5B79	4172AB50	422BA7B9
4177E7B8	C229F7CD	C22B74A1	419BDSDD	422AFC212	C049178A	C22EAF21A	C22D1FE3	431679E7	40F81F0
415B3C2F	40D038A2	3FA3C1FC	3FA324E5	BF22AFC3F	405BRAD9	C0EEFF23A	40D00000	00000000	00000001
00000008	00000001	00000001	00000000	03152C4C	00000090	0004AEE6	00000002	00000002	00000001
40404040	0000000C	0000000C	00000000	00000013	00000043	00000008	00000013	00000014	00000043
00000003	D6C2F0F1	F2F3F2F8	00000003	00000003	00000003	00000001	00000001	00000013	00000001
00000004	0000001B	0000AETD	00000000	0000001D	0000AETD	000004FE	4217030B	41B8CF27	00000001
421D0738	4222F63B	4229184F	00000003	421D5987	4222F63B	4229184F	00000005	422261C2	417D32B4
4229184F	00000007	422BDDF4	C226A85D	4229184F	00000009	422CE47F	C22D2B89	4229184F	00000008
422CF72C	C22C3136	42251BAF	0000000D	422CAADC	C22C3136	4229184F	0000000F	422CAADC	C22C3136
4229184F	00007177	0000000F	0000000F	0000000F	00000050	0000000F	00000051	0000000F	0000000F
0000000F	00000052	00000052	00000005	0000000F	00000050	0000000F	00000055	0000000F	0000000F
4225C800	4360F000	4360F000	43A10900	41200000	00000090	031E89B7	C2297835	C2297835	C21ADCD0
C0C57B16	C1116B83	4115A240	40382B3F	C09523CC	C113328C	C23B7336	C1A46A48	C131C711	C23B7336
C19A07C6	C14C0EE2	42357F20	423BA861	4220668C	418A2752	441CFD05	C217CD15	4312874E	4312874E
41100000	00000007	00000000	00000000	40FCB954	C029F7DD	00000000	4029F7DD	40FCB954	4029F7DD
40D0C657	405A87EF	C0E38EB8	406B980B	40E47E5C	00000000	00000000	00000000	40E47E5C	40E47E5C
422DSF2A	C12862C0	422E88B02	4229D053	4316AD0D	C23D04B4	422D6B25	C1492230	422E88B02	422E88B02
431624D0	C23D2CB3	421EEF975	421D09DD	42295C9B	4231BD62	421C8BCE	C2365A18	41A46B10	4239909A
422A7627	4223FCB8	424AFE0E2	C24B43F1	41AF8020	C23DC4E8	422A9B53	42222AED	424FE3E7	C24B029A
41DE9850	423D7E06	422A4578E	42220A47	424D4078	C24C15C1	421D82DF	423C8EAD	422A968D	42222CB8
424A9570	C24BE4AA	4213B601	423BA518	422A968D	42222CB8	42478674	C24BE4A8	42182A9F	422D912A
4229F3EA	C2451020	423E12FE	422A8523	423A4D78	41E9DDE4	421ECC60	421ECC60	42182A9F	41B8ABFE
403EC33E	4038593A	422B898A7	41211639	C22A4D4F	C22C556D	412B7386	422BA495	4141DAEC	C22AB8BE
C22C3A2D	41562BD6	421D2F51	C2114E2E	C22A75E8	C2335F3C	43149557	418755EF	C23A052A	C22A3DFF
C223C549	431164B8	4192533E	C23E3992	C22A4592C	C221F410	43111B523	41C15EE9	C23DF350	C22A7C40
C221F1D8	4311909F	41EEDADD	C23D04A4	C22A9C2F	C221F410	43111B523	41C15EE9	C23DF350	C22A7C40
C2224834	4311E90E	4216589A	C2274E24	C22A8696	C22B3D05	4312BA1E	41EA3A1C	421E2C44	402C2F46
403DD7A5	40379594	422B98A7	41907D3E	C22C89D3	C22B2A45	41B833E1	422BA495	41B8D035	C226AF66</