#300

APOLLO 16

MAGNETOMETER, LUNAR SURFACE

72-031C-03B

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

APOLLO 16 LM/ALSEP

B MAGNTDE, COMPNTS, MAG TAPE

72-031C-03B PSF00159

This data set has been restored. There was originally 293 7-track, 556 BPI tapes written in Binary. There are twenty five restored tapes. The DR tapes are 3480 cartridge and the DS tapes are 9-track, 6250 BPI. The original tapes were created on an IBM 360 computer and the restored tapes were 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
DR005230	DS005230	D018114	1	04/24/72 - 04/27/72
		D018115	2	04/27/72 - 04/30/72
		D018116	3	04/30/72 - 05/03/72
		D018117	4	05/03/72 - 05/06/72
		D018118	5	05/06/72 - 05/09/72
		D018119	6	05/09/72 - 05/12/72
		D018120	7	05/12/72 - 05/15/72
		D021441	8	05/15/72 - 05/16/72
		D018121	9	05/18/72 - 05/21/72
		D021442	10	05/21/72 - 05/22/72
		D021443	11	05/24/72 - 05/25/72
		D021444	12	05/27/72 - 05/28/72
DR005231	DS005231	D021445	1	05/30/72 - 05/31/72
		D021446	2	06/02/72 - 06/03/72
		D021447	3	06/05/72 - 06/06/72
		D021448	4	06/08/72 - 06/09/72
		D021449	5	06/11/72 - 06/12/72
		D021450	6	06/14/72 - 06/15/72
		D021451	7	06/17/72 - 06/18/72
		D021452	8	06/20/72 - 06/23/72
		D021453	9	06/23/72 - 06/26/72
		D021454	10	06/26/72 - 06/29/72
		D021455	11	06/29/72 - 07/02/72
		D021456	12	07/02/72 - 07/05/72
DR005232	DS005232	D021457	1	07/05/72 - 07/08/72
		D021458	2	07/08/72 - 07/11/72
		D021459	3	07/11/72 - 07/14/72
		D021460	4	07/14/72 - 07/17/72
		D021461	5	07/17/72 - 07/20/72
		D021462	6	07/20/72 - 07/23/72
		D021440	7	07/23/72 - 07/26/72
		D021463	8	07/23/72 - 07/26/72(a)
		D021464	9	07/26/72 - 07/29/72
		D021465	10	07/29/72 - 08/01/72
		D021466	11	08/01/72 - 08/04/72
		D021467	12	08/04/72 - 08/07/72

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DR#	DS#	D#	FILES	TIME SPAN
DR005233	DS005233	D021468	1	08/07/72 - 08/10/72
		D021469	2	08/10/72 - 08/13/72
		D021470	3	08/13/72 - 08/16/72
		D021471	4	08/16/72 - 08/19/72
		D021472	5	08/19/72 - 08/22/72(b)
		D021473	6	08/22/72 - 08/25/72
		D021474	7	08/25/72 - 08/28/72
		D021475	8	08/28/72 - 08/31/72
		D021476	9	08/31/72 - 09/03/72
		D021477	10	09/03/72 - 09/06/72
		D021478	11	09/06/72 - 09/09/72
		D021479	12	09/09/72 - 09/12/72
DR005234	DS005234	D021480	1	09/12/72 - 09/15/72
		D021481	2	09/15/72 - 09/18/72
		D021482	3	09/18/72 - 09/21/72
		D021483	4	09/21/72 - 09/24/72
		D021484	5	09/24/72 - 09/27/72
		D021485	6	09/27/72 - 09/30/72
		D021486	7	09/30/72 - 10/03/72
		D021487	8	10/03/72 - 10/06/72
		D021488	9	10/06/72 - 10/09/72
		D021489	10	10/09/72 - 10/12/72(c)
		D021490	11	10/12/72 - 10/15/72
		D021491	12	10/15/72 - 10/18/72
DR005235	DS005235	D021492	1	10/18/72 - 10/21/72
		D021493	2	10/21/72 - 10/24/72
		D021494	3	10/24/72 - 10/27/72
		D021495	4	10/27/72 - 10/30/72
		D021496	5	10/30/72 - 11/02/72
		D021497	6	11/02/72 - 11/05/72
		D021498	7	11/05/72 - 11/08/72
		D021499	8	11/08/72 - 11/10/72
		D021500	9	11/10/72 - 11/13/72(d)
		D021501	10	11/13/72 - 11/16/72
		D022496	11	11/16/72 - 11/19/72
		D022497	12	11/19/72 - 11/22/72
DR005236	DS005236	D022498	1	11/22/72 - 11/25/72(e)
		D022499	2	11/25/72 - 11/28/72
		D022500	3	11/28/72 - 12/01/72(f)
		D022501	4	12/01/72 - 12/04/72
		D022502	5	12/04/72 - 12/07/72
		D022503	6	12/07/72 - 12/10/72
		D022504	7	12/10/72 - 12/13/72
		D022505	8	12/13/72 - 12/16/72
		D022506	9	12/16/72 - 12/19/72(g)
		D022507	10	12/19/72 - 12/22/72(h)
		D022508	11	12/22/72 - 12/25/72
		D022509	12	12/25/72 - 12/28/72

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DR#	DS#	D#	FILES	TIME SPAN
DR005237	DS005237	D022510	1	12/28/72 - 12/31/72
		D022511	2	12/31/72 - 12/31/72
		D024664	3	12/31/72 - 12/31/72
		D024665	4	01/01/73 - 01/01/73
		D022512	5	01/03/73 - 01/06/73(i)
		D022513	6	01/06/73 - 01/09/73
		D022514	7	01/09/73 - 01/12/73
		D022515	8	01/12/73 - 01/15/73
		D022516	9	01/15/73 - 01/18/73
		D022517	10	01/18/73 - 01/21/73(j)
		D022518	11	01/21/73 - 01/24/73
		D022519	12	01/24/73 - 01/27/73
DR005238	DS005238	D022520	1	01/27/73 - 01/30/73(k)
		D022521	2	01/30/73 - 02/02/73
		D022522	3	02/02/73 - 02/05/73
		D022523	4	02/05/73 - 02/08/73
		D022524	5	02/08/73 - 02/11/73
		D022525	6	02/11/73 - 02/14/73
		D024666	7	08/19/73 - 08/22/73
		D024667	8	08/22/73 - 08/25/73
		D024668	9	08/25/73 - 08/28/73
		D024669	10	08/28/73 - 08/31/73
		D024670	11	08/31/73 - 09/03/73(l)
		D024671	12	09/03/73 - 09/06/73
DR005239	DS005239	D024672	1	09/06/73 - 09/09/73
		D024673	2	09/09/73 - 09/12/73
		D024674	3	09/12/73 - 09/15/73
		D024675	4	09/15/73 - 09/18/73
		D024676	5	09/18/73 - 09/21/73
		D024677	6	09/21/73 - 09/24/73(m)
		D024678	7	09/24/73 - 09/27/73
		D024689	8	09/27/73 - 09/30/73
		D024680	9	09/30/73 - 10/03/73
		D024681	10	10/03/73 - 10/06/73
		D024682	11	10/06/73 - 10/09/73
		D024683	12	10/09/73 - 10/12/73
DR005240	DS005240	D024684	1	10/12/73 - 10/15/73
		D024685	2	10/15/73 - 10/18/73
		D024686	3	10/18/73 - 10/21/73
		D024687	4	10/21/73 - 10/24/73
		D024688	5	10/24/73 - 10/27/73
		D024689	6	10/27/73 - 10/30/73
		D024690	7	10/30/73 - 11/02/73
		D024691	8	11/02/73 - 11/05/73
		D024692	9	11/05/73 - 11/08/73
		D024693	10	11/08/73 - 11/11/73
		D024694	11	11/11/73 - 11/14/73
		D024695	12	11/14/73 - 11/17/73

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DR#	DS#	D#	FILES	TIME SPAN
DR005241	DS005241	D024696	1	11/17/73 - 11/20/73(n)
		D024697	2	11/20/73 - 11/23/73
		D024698	3	11/23/73 - 11/26/73
		D024699	4	11/26/73 - 11/29/73
		D024700	5	11/29/73 - 12/02/73
		D024701	6	12/02/73 - 12/05/73
		D024702	7	12/05/73 - 12/08/73(o)
		D024703	8	12/08/73 - 12/11/73(p)
DR005242	DS005242	D024714	1	12/11/73 - 12/14/73
		D024715	2	12/14/73 - 12/17/73(q)
		D024716	3	12/17/73 - 12/20/73
		D024717	4	12/20/73 - 12/23/73
		D024718	5	12/23/73 - 12/26/73
		D024719	6	12/26/73 - 12/29/73
		D024720	7	12/29/73 - 12/31/73
DR005243	DS005243	D024721	1	01/01/74 - 01/01/74
		D024722	2	01/01/74 - 01/04/74
		D024723	3	01/04/74 - 01/07/74
		D024704	4	01/07/74 - 01/10/74
		D024705	5	01/10/74 - 01/13/74
		D024706	6	01/13/74 - 01/16/74
		D024707	7	01/16/74 - 01/19/74(r)
		D024708	8	01/19/74 - 01/22/74
		D024709	9	01/22/74 - 01/25/74
		D024710	10	01/25/74 - 01/28/74
		D024711	11	01/28/74 - 01/31/74
		D024712	12	01/31/74 - 02/03/74
DR005244	DS005244	D024713	1	02/03/74 - 02/06/74(s)
		D029302	2	02/06/74 - 02/09/74
		D029301	3	02/09/74 - 02/12/74
		D029300	4	02/12/74 - 02/15/74(t)
		D029299	5	02/15/74 - 02/18/74
		D029298	6	02/18/74 - 02/21/74
		D029297	7	02/21/74 - 02/24/74
		D029296	8	02/24/74 - 02/27/74
		D029295	9	02/27/74 - 03/02/74
		D029294	10	03/02/74 - 03/05/74
		D029293	11	03/05/74 - 03/08/74
		D029292	12	03/08/74 - 03/11/74

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DR#	DS#	D#	FILES	TIME SPAN
DR005245	DS005245	D029291	1	03/11/74 - 03/14/74
		D029290	2	03/14/74 - 03/17/74
		D029289	3	03/17/74 - 03/20/74
		D029288	4	03/20/74 - 03/23/74
		D029287	5	03/23/74 - 03/26/74
		D029286	6	03/26/74 - 03/29/74
		D029285	7	03/29/74 - 04/01/74
		D029284	8	04/01/74 - 04/04/74
		D029283	9	04/04/74 - 04/07/74
		D029322	10	04/07/74 - 04/10/74 (u)
		D029321	11	04/10/74 - 04/13/74
		D029320	12	04/13/74 - 04/16/74
DR005246	DS005246	D029319	1	04/16/74 - 04/19/74
		D029318	2	04/19/74 - 04/22/74 (v)
		D029317	3	04/22/74 - 04/25/74
		D029316	4	04/25/74 - 04/28/74
		D029315	5	04/28/74 - 05/01/74
		D029313	6	05/04/74 - 05/07/74
		D029312	7	05/07/74 - 05/10/74 (w)
		D029311	8	05/10/74 - 05/13/74 (x)
		D029310	9	05/13/74 - 05/16/74
		D029309	10	05/16/74 - 05/19/74 (y)
		D029308	11	05/19/74 - 05/22/74 (z)
		D029307	12	05/22/74 - 05/25/74
DR005247	DS005247	D029306	1	05/25/74 - 05/28/74 (aa)
		D029305	2	05/28/74 - 05/31/74
		D029304	3	05/31/74 - 06/03/74
		D029303	4	06/03/74 - 06/06/74
		D029342	5	06/06/74 - 06/09/74 (bb)
		D029341	6	06/09/74 - 06/12/74
		D029340	7	06/12/74 - 06/15/74
		D029339	8	06/15/74 - 06/18/74
		D029338	9	06/18/74 - 06/21/74
		D029337	10	06/21/74 - 06/24/74
		D029336	11	06/24/74 - 06/27/74
		D029335	12	06/27/74 - 06/30/74
DR005248	DS005248	D029314	1	06/30/74 - 07/03/74
		D029334	2	06/30/74 - 07/03/74
		D029333	3	07/03/74 - 07/06/74 (cc)
		D029332	4	07/06/74 - 07/09/74
		D029331	5	07/09/74 - 07/12/74 (dd)
		D029330	6	07/12/74 - 07/15/74
		D029329	7	07/15/74 - 07/18/74
		D029328	8	07/18/74 - 07/21/74
		D029327	9	07/21/74 - 07/24/74 (ee)
		D029326	10	07/24/74 - 07/27/74
		D029325	11	07/27/74 - 07/30/74 (ff)
		D029324	12	07/30/74 - 08/02/74

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DR#	DS#	D#	FILES	TIME SPAN
DR005249	DS005249	D029323	1	08/02/74 - 08/05/74
		D029624	2	08/05/74 - 08/08/74
		D029356	3	08/08/74 - 08/11/74
		D029355	4	08/11/74 - 08/14/74
		D029354	5	08/14/74 - 08/17/74
		D029353	6	08/17/74 - 08/20/74
		D029352	7	08/20/74 - 08/23/74 (gg)
		D029351	8	08/23/74 - 08/26/74 (hh)
		D029350	9	08/26/74 - 08/29/74
		D029349	10	08/29/74 - 09/01/74
		D029348	11	09/01/74 - 09/04/74
		D029347	12	09/04/74 - 09/07/74
DR005250	DS005250	D029346	1	09/07/74 - 09/10/74
		D029345	2	09/10/74 - 09/13/74
		D029344	3	09/13/74 - 09/16/74
		D029343	4	09/16/74 - 09/19/74 (ii)
		D030429	5	09/19/74 - 09/22/74
		D030430	6	09/22/74 - 09/25/74
		D030431	7	09/25/74 - 09/29/74
		D030432	8	09/28/74 - 10/01/74
		D030433	9	10/01/74 - 10/04/74 (jj)
		D030434	10	10/04/74 - 10/07/74
		D030435	11	10/07/74 - 10/10/74
		D030436	12	10/10/74 - 10/13/74 (kk)
DR005251	DS005251	D030437	1	10/13/74 - 10/16/74
		D030438	2	10/16/74 - 10/19/74 (ll)
		D030439	3	10/19/74 - 10/22/74
		D030440	4	10/22/74 - 10/25/74
		D030441	5	10/25/74 - 10/28/74
		D030442	6	10/28/74 - 10/31/74
		D030443	7	10/31/74 - 11/03/74
		D030444	8	11/03/74 - 11/06/74
		D030445	9	11/06/74 - 11/09/74
		D030446	10	11/09/74 - 11/12/74
		D030447	11	11/12/74 - 11/15/74 (mm)
		D030448	12	11/15/74 - 11/18/74 (nn)
		D030449	13	11/18/74 - 11/21/74

DR#	DS#	D#	FILES	TIME SPAN
DR005252	DS005252	D030450	1	11/21/74 - 11/24/74(oo)
		D030451	2	11/24/74 - 11/27/74
		D030452	3	11/27/74 - 11/30/74
		D030453	4	11/30/74 - 12/03/74
		D030454	5	12/03/74 - 12/06/74
		D030455	6	12/03/74 - 12/06/74
		D030456	7	12/06/74 - 12/09/74
		D030457	8	12/09/74 - 12/12/74
		D030458	9	12/09/74 - 12/12/74
		D030459	10	12/12/74 - 12/15/74
		D030460	11	12/15/74 - 12/18/74
		D030461	12	12/18/74 - 12/21/74
		D030462	13	12/21/74 - 12/24/74
DR005253	DS005253	D030463	1	12/24/74 - 12/27/74(pp)
		D030464	2	12/27/74 - 12/30/74
		D030465	3	12/30/74 - 12/31/74
		D030466	4	12/30/74 - 12/31/74
		D030467	5	01/04/75 - 01/07/75(qq)
		D030468	6	01/07/75 - 01/10/75
		D030469	7	01/10/75 - 01/13/75
		D030470	8	01/13/75 - 01/16/75
		D030471	9	01/16/75 - 01/19/75
		D030472	10	01/19/75 - 01/22/75
		D030473	11	01/22/75 - 01/25/75
		D030474	12	01/25/75 - 01/28/75
		D030475	13	01/28/75 - 01/31/75
DR005254	DS005254	D030476	1	01/31/75 - 02/03/75
		D030477	2	02/03/75 - 02/06/75
		D030478	3	02/06/75 - 02/09/75
		D030479	4	02/09/75 - 02/12/75
		D030480	5	02/12/75 - 02/15/75
		D030481	6	02/15/75 - 02/18/75(rr)
		D030482	7	02/18/75 - 02/21/75
		D030483	8	02/21/75 - 02/24/75
		D030484	9	02/24/75 - 02/27/75
		D030485	10	02/27/75 - 03/02/75
		D030486	11	03/02/75 - 03/03/75

(a) D021463: Read error occurred in record 264 of file 1.
(b) D021472: Read error occurred in record 543 of file 1.
(c) D021489: Read error occurred in record 2611 of file 1.
(d) D021500: Read errors occurred in records 589, 2835, 2836, 2838 of file 1.
(e) D022498: Read error occurred in record 2753 of file 1.
(f) D022500: Read error occurred in record 2422 of file 1.
(g) D022506: Read error occurred in record 635 of file 1.
(h) D022507: Read errors occurred in records 1171, 1173, of file 1.
(i) D022512: Read errors occurred in records 2596, 2837,

of file 1.

(j) D022517: Read error occurred in record 2837 of file 1.

(k) D022520: Read errors occurred in records 391, 2180, 2184, 2189, 2193 of file 1.

(l) D024670: Read error occurred in record 86 of file 1.

(m) D024677: Read error occurred in record 2833 of file 1.

(n) D024696: Read errors occurred in records 2833, 2835, of file 1.

(o) D024702: Read error occurred in record 2 of file 1.

(p) D024703: Read error occurred in record 980 of file 1.

(q) D024715: Read error occurred in record 2708 of file 1.

(r) D024707: Read error occurred in record 898 of file 1.

(s) D024713: Read error occurred in record 548 of file 1.

(t) D029300: Read error occurred in record 281 of file 1.

(u) D029322: Read error occurred in record 1496 of file 1.

(v) D029318: Read error occurred in record 653 of file 1.

(w) D029312: Read errors occurred in records 2688, 2837 of file 1.

(x) D029311: Read error occurred in record 706 of file 1.

(y) D029309: Read errors occurred in records 1999, 2823 of file 1.

(z) D029308: Read error occurred in record 2831 of file 1.

(aa) D029306: Read errors occurred in records 71, 72, 322 of file 1.

(bb) D029342: Read errors occurred in records 450, 657 of file 1.

(cc) D029333: Read error occurred in record 2018 of file 1.

(dd) D029331: Read error occurred in record 484 of file 1.

(ee) D029327: Read error occurred in record 487 of file 1.

(ff) D029325: Read error occurred in record 1037 of file 1.

(gg) D029352: Read errors occurred in records 55, 58 of file 1.

(hh) D029351: Read errors occurred in records 1133, 1137, 1140, 1143, 1147, 1150, 1153, 1157, 1160, 1163, 1167, 1170, 1173, 1177, 1180, 1186 of file 1.

(ii) D029343: Read error occurred in record 614 of file 1.

(jj) D030433: Read error occurred in record 76 of file 1.

(kk) D030436: Read error occurred in record 1653 of file 1.

(ll) D030438: Read error occurred in record 267 of file 1.

(mm) D030447: Read error occurred in record 28 of file 1.

(nn) D030448: Read errors occurred in records 1369, 1382 of file 1.

(oo) D030450: Read error occurred in record 293 of file 1.

(pp) D030463: Read error occurred in record 584 of file 1.

(qq) D030467: Read error occurred in record 796 of file 1.

(rr) D030481: Read error occurred in record 189 of file 1.

REQ. AGENT	RAND NO.	ACQ. AGENT
RBK VJP	RC3206 RC7718	JHK
JVD CMP	RC4289 RC8206	
VJP	RC4833	
CMP	RC6569	

APOLLO 16

MAGNETOMETER, B MAGNITUDE COMPONENTS

72-031C-03B

This data set consists of 288 Apollo 16 B Magnitude Components data tapes. They are 556 BPI, Binary, 7-track, and created on an IBM 7094 computer. Each tape contains 1 file. The time spans for each tape are listed below.

D#	C#	TIME SPAN
D-18114	C-14706	4/24/72 - 4/27/72
D-18115	C-14707	4/27/72 - 4/30/72
D-18116	C-14708	4/30/72 - 5/03/72
D-18117	C-14709	5/03/72 - 5/06/72
D-18118	C-14710	5/06/72 - 5/09/72
D-18119	C-14711	5/09/72 - 5/12/72
D-18120	C-14712	5/12/72 - 5/15/72
D-21441	C-16767	5/15/72 - 5/18/72
D-18121	C-14713	5/18/72 - 5/21/72
D-21442	C-16768	5/21/72 - 5/24/72
D-21443	C-16769	5/24/72 - 5/27/72
D-21444	C-16770	5/27/72 - 5/30/72
D-21445	C-16771	5/30/72 - 6/02/72
D-21446	C-16772	6/02/72 - 6/05/72
D-21447	C-16773	6/05/72 - 6/08/72
D-21448	C-16774	6/08/72 - 6/11/72
D-21449	C-16775	6/11/72 - 6/14/72
D-21450	C-16776	6/14/72 - 6/17/72

D#	C#	TIME SPAN
-22503	C-17307	12/07/72 - 12/10/72
D-22504	C-17308	12/10/72 - 12/13/72
D-22505	C-17309	12/13/72 - 12/16/72
D-22506	C-17350	12/16/72 - 12/19/72
D-22507	C-17351	12/18/72 - 12/22/72
D-22508	C-17352	12/22/72 - 12/25/72
D-22509	C-17353	12/25/72 - 12/28/72
D-22510	C-17354	12/28/72 - 12/31/72
D-22511	C-17355	12/31/72 - 1/03/73
D-22512	C-17356	1/03/73 - 1/06/73
D-22513	C-17357	1/06/73 - 1/09/73
D-22514	C-17358	1/09/73 - 1/12/73
D-22515	C-17359	1/12/73 - 1/15/73
D-22516	C-17362	1/15/73 - 1/18/73
D-22517	C-17363	1/18/73 - 1/21/73
D-22518	C-17364	1/21/73 - 1/24/73
D-22519	C-17365	1/24/73 - 1/27/73
D-22520	C-17366	1/27/73 - 1/30/73
D-22521	C-17367	1/30/73 - 2/02/73
D-22522	C-17368	2/02/73 - 2/05/73
D-22523	C-17369	2/05/73 - 2/08/73
D-22524	C-17370	2/08/73 - 2/11/73
D-22525	C-17371	2/11/73 - 2/14/73
D-24664	C-18297	12/31/72 - 12/31/72
D-24665	C-18298	1/01/73 - 1/01/73

D#	C#	TIME SPAN
D-24666	C-18299	8/19/73 - 8/22/73
D-24667	C-18300	8/22/73 - 8/25/73
D-24668	C-18301	8/25/73 - 8/28/73
D-24669	C-18302	8/28/73 - 8/31/73
D-24670	C-18303	8/31/73 - 9/03/73
D-24671	C-18304	9/03/73 - 9/06/73
D-24672	C-18305	9/06/73 - 9/09/73
D-24673	C-18306	9/09/73 - 9/12/73
D-24674	C-18307	9/12/73 - 9/15/73
D-24675	C-18308	9/15/73 - 9/18/73
D-24676	C-18309	9/18/73 - 9/21/73
D-24677	C-18310	9/21/73 - 9/24/73
D-24678	C-18311	9/24/73 - 9/27/73
D-24679	C-18312	9/27/73 - 9/30/73
D-24680	C-18312	9/30/73 — 10/3/73
D-24681	C-18313	10/03/73 - 10/06/73
D-24682	C-18314	10/06/73 - 10/09/73
D-24683	C-18315	10/09/73 - 10/12/73
D-24684	C-18316	10/12/73 - 10/15/73
D-24685	C-18317	10/15/73 - 10/18/73
D-24686	C-18318	10/18/73 - 10/21/73
D-24687	C-18319	10/21/73 - 10/24/73
D-24688	C-18320	10/24/73 - 10/27/73
D-24689	C-18321	10/27/73 - 10/30/73
D-24690	C-18322	10/30/73 - 11/02/73
D-24691	C-18323	11/02/73 - 11/05/73
D-24692	C-18324	11/05/73 - 11/08/73
D-24693	C-18325	11/08/73 - 11/11/73

D#	C#	TIME SPAN
D-24694	C-18326	11/11/73 - 11/14/73
D-24695	C-18327	11/14/73 - 11/17/73
D-24696	C-18328	11/17/73 - 11/20/73
D-24697	C-18329	11/20/73 - 11/23/73
D-24698	C-18330	11/23/73 - 11/26/73
D-24699	C-18331	11/26/73 - 11/29/73
D-24700	C-18332	11/29/73 - 12/02/73
D-24701	C-18333	12/02/73 - 12/05/73
D-24702	C-18334	12/05/73 - 12/08/73
D-24703	C-18335	12/08/73 - 12/11/73
D-24704	C-18336	1/07/74 - 1/10/74
D-24705	C-18337	1/10/74 - 1/13/74
D-24706	C-18338	1/13/74 - 1/16/74
D-24707	C-18339	1/16/74 - 1/19/74
D-24708	C-18340	1/19/74 - 1/22/74
D-24709	C-18341	1/22/74 - 1/25/74
D-24710	C-18342	1/25/74 - 1/28/74
D-24711	C-18343	1/28/74 - 1/31/74
D-24712	C-18344	1/31/74 - 2/03/74
D-24713	C-18345	2/03/74 - 2/06/74
D-24714	C-18246	12/11/73 - 12/14/73
D-24715	C-18347	12/14/73 - 12/17/73
D-24716	C-18348	12/17/73 - 12/20/73
D-24717	C-18349	12/20/73 - 12/23/73
D-24718	C-18350	12/23/73 - 12/26/73
D-24719	C-18351	12/26/73 - 12/29/73
D-24720	C-18252	12/29/73 - 12/31/73

D#	C#	TIME SPAN
D-21451	C-16777	6/17/72 - 6/20/72
D-21452	C-16778	6/20/73 - 6/23/72
D-21453	C-16779	6/23/72 - 6/26/72
D-21454	C-16905	6/26/72 - 6/26/72
D-21455	C-16780	6/29/72 - 7/02/72
D-21456	C-16781	7/02/72 - 7/05/72
D-21457	C-16782	7/05/72 - 7/08/72
D-21458	C-16783	7/08/72 - 7/11/72
D-21459	C-16784	7/11/72 - 7/14/72
D-21460	C-16785	7/14/72 - 7/17/72
D-21461	C-16786	7/17/72 - 7/20/72
D-21462	C-16787	7/20/72 - 7/23/72
D-21463	C-16788	7/23/72 - 7/26/72
D-21464	C-16789	7/26/72 - 7/29/72
D-21465	C-16790	7/29/72 - 8/01/72
D-21466	C-16791	8/01/72 - 8/04/72
D-21467	C-16792	8/04/72 - 8/07/72
D-21468	C-16793	8/07/72 - 8/10/72
D-21469	C-16794	8/10/72 - 8/13/72
D-21470	C-16795	8/13/72 - 8/16/72
D-21471	C-16796	8/16/72 - 8/19/72
D-21472	C-16797	8/19/72 - 8/22/72
D-21473	C-16798	8/22/72 - 8/25/72
D-21474	C-16799	8/25/72 - 8/28/72
D-21475	C-16800	8/28/72 - 8/31/72
D-21476	C-16801	8/31/72 - 9/03/72
D-21477	C-16802	9/03/72 - 9/06/72
D-21478	C-16803	9/06/72 - 9/09/72
D-21479	C-16804	9/09/72 - 9/12/72

D#	C#	TIME SPAN
D-21480	C-16805	9/12/72 - 9/15/72
D-21481	C-16806	9/15/72 - 9/18/72
D-21482	C-16807	9/18/72 - 9/21/72
D-21483	C-16808	9/21/72 - 9/24/72
D-21484	C-16809	9/24/72 - 9/27/72
D-21485	C-16810	9/27/72 - 9/30/72
D-21486	C-16811	9/30/72 - 10/03/72
D-21487	C-16812	10/03/72 - 10/06/72
D-21488	C-16813	10/06/72 - 10/09/72
D-21489	C-16814	10/09/72 - 10/12/72
D-21490	C-16815	10/12/72 - 10/15/72
D-21491	C-16816	10/15/72 - 10/18/72
D-21492	C-16817	10/18/72 - 10/21/72
D-21493	C-16818	10/21/72 - 10/24/72
-21494	C-16819	10/24/72 - 10/27/72
D-21495	C-16820	10/27/72 - 10/30/72
D-21496	C-16821	10/30/72 - 11/02/72
D-21497	C-16822	11/02/72 - 11/05/72
D-21498	C-16823	11/05/72 - 11/08/72
D-21499	C-16824	11/08/72 - 11/10/72
D-21500	C-16825	11/10/72 - 11/13/72
D-21501	C-16826	11/13/72 - 11/16/72
D-22496	C-17300	11/16/72 - 11/19/72
D-22497	C-17301	11/19/72 - 11/22/72
D-22498	C-17302	11/22/72 - 11/25/72
D-22499	C-17303	11/25/72 - 11/28/72
D-22500	C-17304	11/28/72 - 12/01/72
D-22501	C-17305	12/01/72 - 12/04/72
D-22502	C-17306	12/04/72 - 12/07/72

D#	C#	TIME SPAN
D-24721	**C-18353**	**1/01/74 - 1/01/74**
D-24722	**C-18354**	**1/01/74 - 1/04/74**
D-24723	**C-18355**	**1/04/74 - 1/07/74**
D-29283	C-19041	4/04/74 - 4/07/74
D-29284	C-19042	4/01/74 - 4/04/74
D-29285	C-19043	3/29/74 - 4/01/74
D-29286	C-19044	3/26/74 - 3/29/74
D-29287	C-19045	3/23/74 - 3/26/74
D-29288	C-19046	3/20/74 - 3/23/74
D-29289	C-19047	3/17/74 - 3/20/74
D-29290	C-19048	3/14/74 - 3/17/74
D-29291	C-19049	3/11/74 - 3/14/74
D-29292	C-19050	3/08/74 - 3/11/74
D-29293	C-19051	3/05/74 - 3/08/74
D-29294	C-19052	3/02/74 - 3/05/74
D-29295	C-19053	2/27/74 - 3/02/74
D-29296	C-19054	2/24/74 - 2/27/74
D-29297	C-19055	2/21/74 - 2/24/74
D-29298	C-19056	2/18/74 - 2/21/74
D-29299	C-19057	2/15/74 - 2/18/74
D-29300	C-19058	2/12/74 - 2/15/74
D-29301	C-19059	2/09/74 - 2/12/74
D-29302	C-19060	2/06/74 - 2/09/74
D-29303	C-19071	6/03/74 - 6/06/74
D-29304	C-19072	5/31/74 - 6/03/74
D-29305	C-19073	5/28/74 - 5/31/74
D-29306	C-19074	5/25/74 - 5/28/74
D-29307	C-19075	5/22/74 - 5/25/74

D#	C#	TIME SPAN
D-29335	C-19120	6/27/74 - 6/30/74
D-29336	C-19121	6/24/74 - 6/27/74
D-29337	C-19122	6/21/74 - 6/24/74
D-29338	C-19123	6/18/74 - 6/21/74
D-29339	C-19124	6/15/74 - 6/18/74
D-29340	C-19125	6/12/74 - 6/15/74
D-29341	C-19126	6/09/74 - 6/12/74
D-29342	C-19127	6/06/74 - 6/09/74
D-29343	C-19137	9/16/74 - 9/19/74
D-29344	C-19138	9/13/74 - 9/16/74
D-29345	C-19139	9/10/74 - 9;13/74
D-29346	C-19140	9/07/74 - 9/10/74
D-29347	C-19141	9/04/74 - 9/07/74
D-29348	C-19142	9/01/74 - 9/04/74
D-29349	C-19143	8/29/74 - 9/01/74
D-29350	C-19282	8/26/74 - 8/29/74*
D-29351	C-19283	8/23/74 - 8/26/74*
D-29352	C-19284	8/20/74 - 8/23/74*
D-29353	C-19147	8/17/74 - 8/20/74
D-29354	C-19148	8/14/74 - 8/17/74
D-29355	C-19149	8/11/74 - 8/14/74
D-29356	C-19150	8/08/74 - 8/11/74
D-29624	C-19151	8/05/74 - 8/08/74
D-30429	C-19477	9/19/74 - 9/22/74
D-30430	C-19478	9/22/74 - 9/25/74*
D-30431	C-19479	9/25/74 - 9/28/74*
D-30432	C-19480	9/28/74 - 10/01/74*
D-30433	C-10481	10/01/74 - 10/04/74*

* new format

D#	C#	TIME SPAN
D-30434	C-19494	10/04/74 - 10/07/74*
D-30435	C-19482	10/07/74 - 10/10/74*
D-30436	C-19495	10/10/74 - 10/13/74*
D-30437	C-19483	10/13/74 - 10/16/74*
D-30438	C-19484	10/16/74 - 10/19/74*
D-30439	C-19485	10/19/74 - 10/22/74*
D-30440	C-19486	10/22/74 - 10/25/74*
D-30441	C-19487	10/25/74 - 10/28/74*
D-30442	C-19488	10/28/74 - 10/31/74*
D-30443	C-19489	10/31/74 - 11/03/74*
D-30444	C-19490	11/03/74 - 11/06/74*
D-30445	C-19491	11/06/74 - 11/09/74*
D-30446	C-19496	11/9/74 - 11/12/74*
D-30447	C-19492	11/12/74 - 11/15/74*
D-30448	C-19497	11/15/74 - 11/18/74*
D-30449	C-19504	11/18/74 - 11/21/74*
D-30450	C-19844	11/21/74 - 11/24/74*
D-30451	C-19505	11/24/74 - 11/27/74*
D-30452	C-19506	11/27/74 - 11/30/74*
D-30453	C-19507	11/30/74 - 12/03/74*
D-30454	C-19508	12/03/74 - 12/06/74*
D-30455	C-19509	12/03/74 - 12/06/74*
D-30456	C-19510	12/06/74 - 12/09/74*
D-30457	C-19511	12/09/74 - 12/12/74*
D-30458	C-19512	12/09/74 - 12/12/74*
D-30459	C-19513	12/12/74 - 12/15/74*
D-30460	C-19514	12/15/74 - 12/18/74*
D-30461	C-19515	12/18/74 - 12/21/74*

240

* new format

D#	C#	TIME SPAN
D-30462	C-19516	12/21/74 - 12/24/74*
D-30463	C-19560	12/24/74 - 12/27/74*
D-30464	C-19517	12/27/74 - 12/30/74*
D-30465	C-19518	12/30/74 - 12/31/74*
D-30466	C-19519	1/01/75 - 1/04/75*
D-30467	C-19520	1/04/75 - 1/07/75*
D-30468	C-19521	1/07/75 - 1/10/75*
D-30469	C-19522	1/10/75 - 1/13/75*
D-30470	C-19523	1/13/75 - 1/16/75*
D-30471	C-19524	1/16/75 - 1/19/75*
D-30472	C-19525	1/19/75 - 1/22/75*
D-30473	C-19526	1/22/75 - 1/25/75*
D-30474	C-19527	1/25/75 - 1/28/75*
D-30475	C-19528	1/28/75 - 1/31/75*
D-30476	C-19529	1/31/75 - 2/03/75*
D-30477	C-19530	2/03/75 - 2/06/75*
D-30478	C-19531	2/06/75 - 2/09/75*
D-30479	C-19532	2/09/75 - 2/12/75*
D-30480	C-19533	2/12/75 - 2/15/75*
D-30481	C-19534	2/15/75 - 2/18/75*
D-30482	C-19535	2/18/75 - 2/21/75*
D-30483	C-19536	2/21/75 - 2/24/75*
D-30484	C-19537	2/24/75 - 2/27/75*
D-30485	C-19538	2/27/75 - 3/02/75*
D-30486	C-19539	3/02/75 - 3/03/75*

265

* new format

69-049C-04B

APOLLO CORRECTION TAPE DESCRIPTION

(WITH THE EXCEPTION OF TAPE CONTAINING DAYS 178-181 WHICH WAS CREATED ON IBM-360) SEE ADDITIONAL FORMAT

FORTRAN Binary Tape (36 bits per word)

I. Introduction

The correction tape contains lunar magnetic field data in the ALSEP coordinate system. The tape was written by a FORTRAN IV program using a 'WRITE (N) LIST' statement.

The first word of each record contains time in milliseconds for the first vector (X, Y, Z) within a record. Vectors are at approximately 301.88 millisecond intervals. Each component has been rounded to the nearest .01 gamma, multiplied by 100 and stored into 18 bits.

1	2 ... 18
S	

The first bit (1) is 0 for positive field values and 1 for negative field values. For example, a value of -29.376 gamma will be stored as -2938. Two components are packed into each 36-bit word.

Two vectors require three 36-bit words.

1	2 ... 18	19	36	
S_x	X_1	S_y	Y_1	Word 1
S_z	Z_1	S_x	X_2	Word 2
S_y	Y_2	S_z	Z_2	Word 3

Time on the tape is continuous. Data gaps are filled by flagging missing vectors with 999.9. (X = 999.9, Y = 999.9, Z = 999.9)

II. Output Tape Format

Label Record

4 words

Experiment ID Year Start Time Stop Time Sequence Number

Example: MAGCTA12 932414 32714 0015

Data Records

Time-millisec	Word 1	Word 2	Word 3
	X_1 Y_1	Z_1 X_2	Y_2 Z_2
	Word 4	Word 5	Word 6
	X_3 Y_3	Z_3 X_4	Y_4 Z_4
	Word 7	Word 8	Word 9
	X_5 Y_5	Z_5 X_6	Y_6 Z_6
	Word 748	Word 749	Word 750
	X_{499} Y_{499}	Z_{499} X_{500}	Y_{500} Z_{500}

751 words

III. Last Records

The last record of data is filled with ones (octal ones = 111111111111); last logical record filled with all ones followed by EOF.

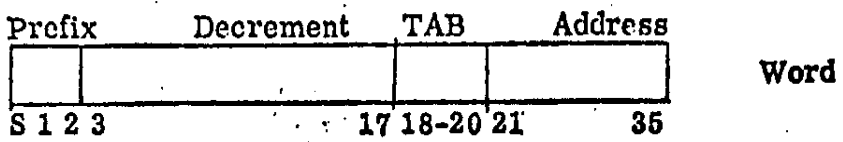
Binary tape, 556 BPI; 7 track, standard IBM EOF.

IV. DCS Blocked Records

The Apollo Correction Tapes were generated by an IBM 7040/7094 Direct Couple Operating System (DCS). To optimize the use of this operating system all tapes processed have a fixed physical record size of 460 words.

Physical-Record Control Words.

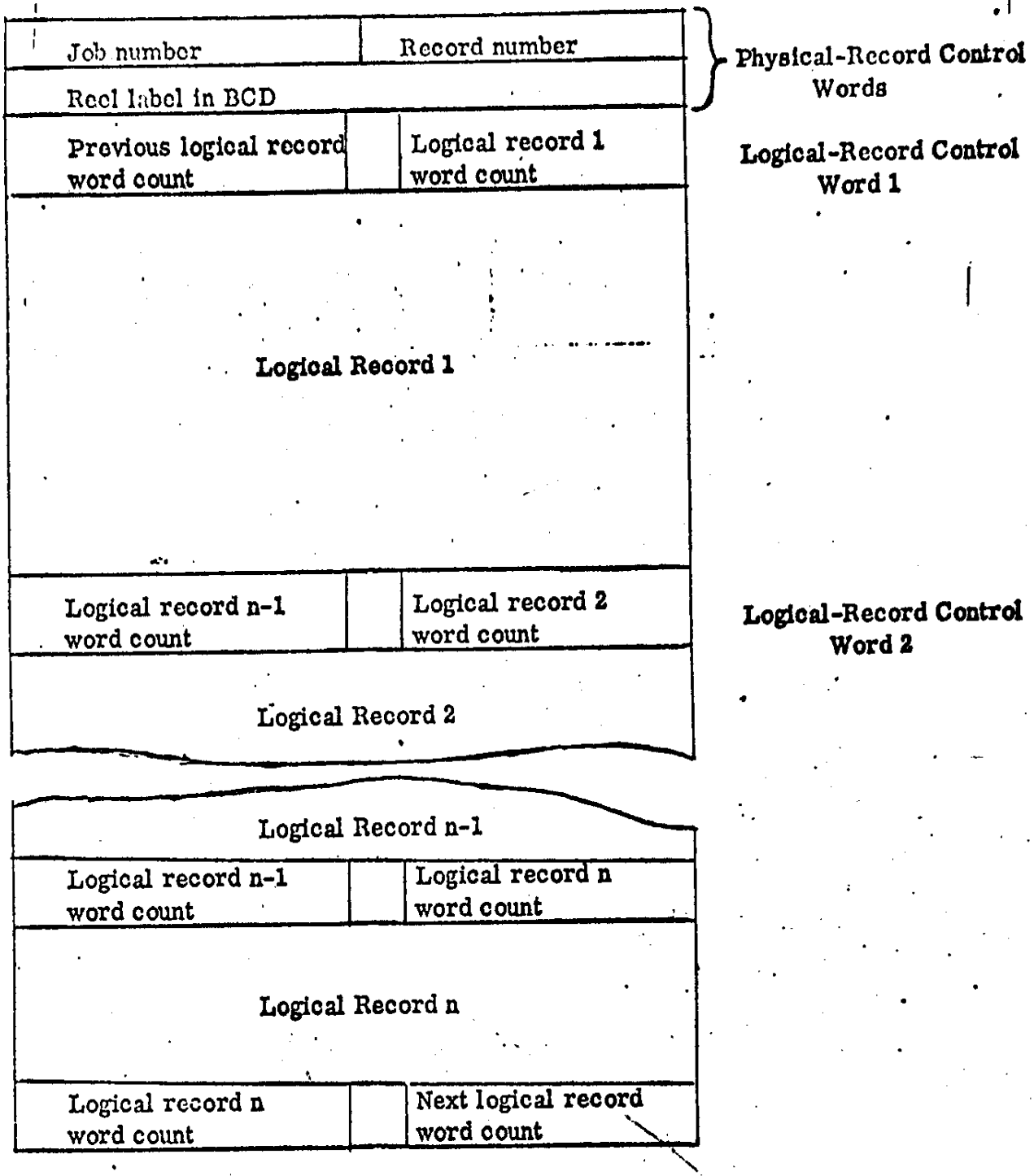
The first two words in standard DCS physical records are control words. The first control word contains the number of the record within the current file. The second control word contains the real label in BCD form.



Logical-Record Control Words

Preceding the first word of each logical record is the logical-record control word. The decrement of this word contains the word count of the previous logical record, and its address contains the word count of the following logical record. The remaining bits of the word, prefix and tag, are used to indicate the following.

s=0	The previous logical record is complete in this buffer.
s=1	The previous logical record is incomplete in this buffer or ends in the last word of the previous buffer.
1=0	The previous logical record is a BCD record.
1=1	The previous logical record is a binary record.
18=0	The next logical record is complete in this buffer.
18=1	The next logical record is incomplete in this buffer or starts in the first word of the next buffer.
19=0	The next logical record is a BCD record.
19=1	The next logical record is a binary record.



Physical record size is 460 words.

APOLLO CORRECTION TAPE DESCRIPTION

DCS BLOCKED LAYOUT

DCS Physical Rec #1 460 Words

1	Record Number	DCS Physical Control Word
2	Reel Label	DCS Physical Control Word
3	Control Word	DCS Logical
4	Control Word	Fortran
5		
6	Apollo Label Record Data	
7		
8		
9	Control Word	DCS Logical
10	Control Word	Fortran
11		
12	Fortran Physical Record #1	
:		
264		
265		
266	Control Word	DCS Logical
267	Control Word	Fortran
268		
269	Fortran Physical Record #2	
:		
459		
460		

DCS Physical Rec #2 460 Words

1	Record Number	DCS Physical Control Word
2	Reel Label	DCS Physical Control Word
3		
4	Continuation of Fortran Physical Record #2	
:		
63		
64		
65	Control Word	DCS Logical
66	Control Word	Fortran
67		
68	Fortran Physical Record #3	
:		
366		
367		
368	Control Word	DCS Logical
369	Control Word	Fortran
370		
371	Fortran Physical Record #1	
:		
459		
460		

Apollo Logical Rec #1 751 Data Words

(does not include any control words)

Logical rec = 3 phys rec's

1st 2 phys rec's = 255 wds

3rd phys rec = 241 wds

DCS Physical Rec #3 460 Words	1	Record Number	DCS Physical Control Word
	2	Reel Label	DCS Physical Control Word
	3		
	4		
	:	Continuation of Fortran Physical Record #1	
	105		
	106		
	107	Control Word	DCS Logical
	108	Control Word	Fortran
	109		
	110		
	:	Fortran Physical Record #2	
	362		
	363		
	364	Control Word	DCS Logical
	365	Control Word	Fortran
	366		
	367		
	:	Fortran Physical Record #3	
	459		
	460		
DCS Physical Rec #4 460 Words	1	Record Number	DCS Physical Control Word
	2	Reel Label	DCS Physical Control Word
	3		
	4		
	:	Continuation of Fortran Physical Record #3	
	147		
	148		
	149	Control Word	DCS Logical
	150	Control Word	Fortran
	151		
	152		
	:	Fortran Physical Record #1	
	404		
	405		
	406	Control Word	DCS Logical
	407	Control Word	Fortran
	408		
	409		
	:	Fortran Physical Record #2	
	459		
	460		
	1	Record Number	DCS Physical Control Word
	2	Reel Label	DCS Physical Control Word
	3		
	4		
	:	Continuation of Fortran Physical Record #2	
	203		
	204		
	205	Control Word	DCS Logical
		⋮	⋮

Apollo Logical Rec #2 751 Data Words

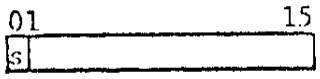
Apollo Logical Rec #3 751 Data Words

APOLLO CORRECTION TAPE DESCRIPTION

I Introduction

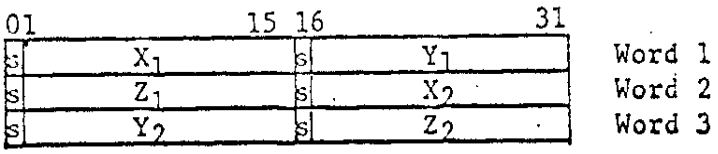
The correction tape contains lunar magnetic field data in the ALSEP coordinate system. The tape was written by a FORTRAN IV program using a 'WRITE (N) LIST' statement.

The first two words of each record contain days, hours, minutes, and seconds (Jan. 1 = Day 1) in computational milliseconds word one containing seconds and word two containing milliseconds for the first vector (X,Y,Z) within a record. Vector intervals are approximatly 301.88 milliseconds. Each componet has been rounded to the nearest .01 gamma, multiplied by 30.0, and stored into 16 bits.



The first bit is 0 for positive field values and 1 for negative field values. For example, a value of -29.376 gamma will be stored as -881. Two components are packed into each 32-bit word.

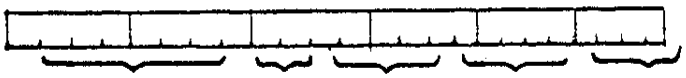
Two vectors require three 32-bit words.



Time on the tape is continous. Data gaps are filled by flagging missing vectors with 999.9. (X=999.9, Y=999.9, Z=999.9)

II. Output Tape Format

Label Record



6 words

Experiment ID Year Start Time Stop Time Sequence Number

Example: MAGCTA126932414 32714 0015

Data Records

Time-seconds	millisecond	Word 1	Word 2	Word 3
		X_1 Y_1	Z_1 X_2	Y_2 Z_2
		Word 4	Word 5	Word 6
		X_3 Y_3	Z_3 X_4	Y_4 Z_4
		Word 7	Word 8	Word 9
		X_5 Y_5	Z_5 X_6	Y_6 Z_6
		Word 748	Word 749	Word 750
		$X_{499}Y_{499}$	$Z_{499}X_{500}$	$Y_{500}Z_{500}$

752 words

III. Last Records

The last record of data is filled with hexadecimal Fs (FFFFFFFF); last logical record filled with all hexadecimal Fs followed by EOF.

Binary tape, 556 BPI, 7-track, standard IBM EOF

APOLLO CORRECTION TAPE DESCRIPTION

IBM 360 7-track Binary

Rec #1	1 2 : 5 6	Apollo Label Record Data	
Rec #2	1 2 3 4 : 751 752	Time in Seconds of First Vector Milliseconds Vector Data	Apollo Data Record 752 Words
Rec #3	1 2 3 4 : 751 752	Time in Seconds of First Vector Milliseconds Vector Data	Apollo Data Record 752 Words
Rec #n	1 2 3 4 : 751 752	Hex FFFFFFFF Hex FFFFFFFF Hex FFFFFFFF Hex FFFFFFFF Hex FFFFFFFF Hex FFFFFFFF	Logical End-of-File

PHYSICAL TAPE DESCRIPTION

System:	IBM 360/67
Recording mode:	Binary
Tracks:	7
Parity:	ODD
Density:	556 BPI
IBM label:	No label
DCB:	recfm=v
	lrecl=3012 (8-bit char.)
	trtch=c

Sample READ-WRITE FORTRAN PROGRAM

```
      DIMENSION IHRD(6),OUT(6)
      INTEGER*2 INBUF(6,250)
C
C         READ APOLLO HEADER DATA
C
      READ (10) IHRD
C
C         READ AND PRINT 5 RECORDS
C
      DO 20 I=1,5
      READ (10) ISEC,IMIL,INBUF
      DO 10 J=1,250
      DO  5 K=1,6
    5 OUT(K)=FLOAT(INBUF(K,J))/30.0
C
C         WRITE TWO VECTORS
C
   10 WRITE (6,100) OUT
   20 CONTINUE
      STOP
  100 FORMAT(6(2X,F7.2))
      END
```

The Header Records of 12 tapes are INCORRECT TO Find correct TIME Span use the milliseconds

THEIR TAPE 16001d (D-21440) IS SUPPOSED TO CONTAIN DAYS 112 - 115
THE TAPE ACTUALLY CONTAINS THE SAME DATA AS 16032d (D-21463) DAYS 205 - 208

205
864 | 177852
1728
5052

D-22501

12/01/72 - 12/04/72

FILE 0001 REC 0001 CH 2760

0001	003440000001	600111050706	000000200005	000004000001	442127236301	060702303060	020003031102	006060600706
0049	200005200400	000377000000	330655331066	441665410276	032442441665	410276032442	441665410276	032442441665
0097	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276
0145	032442441665	410276032442	432270410217	042024432270	410217042024	431116413334	042024431116	413334042024
0193	431116413334	042024431116	413334042024	431116413334	042024431141	413315042063	431116413334	042024431116
0241	413334042024	431116413334	042024431141	413315042063	431116413334	042024431116	413334042024	431141413315
0289	042063431141	413315042063	431141413315	042063431116	413334042024	431141413315	042063431141	413315042063
0337	431116413334	042024431116	413334042024	431116413334	042024431141	413315042063	431141413315	042063431141
0385	413315042063	431141413315	042063431116	413334042024	440451414336	032442440451	414336032442	441665410276
0433	032442441715	410255032475	441715410255	032475441715	410255032475	441665410276	032442441715	410255032475
0481	441715410255	032475441715	410255032475	441715410255	032475441715	410255032475	441715410255	032475441665
0529	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441715410255
0577	032475441665	410276032442	441715410255	032475441715	410255032475	441665410276	032442441665	410276032442
0625	441715410255	032475441715	410255032475	441665410276	032442441715	410255032475	441665410276	032442441715
0673	410255032475	441715410255	032475441715	410255032475	441715410255	032475441665	410276032442	441715410255
0721	032475441715	410255032475	441715410255	032475441715	410255032475	441665410276	032442441715	410255032475
0769	441715410255	032475441715	410255032475	441715410255	032475441715	410255032475	441665410276	032442441715
0817	410255032475	441715410255	032475441665	410276032442	441715410255	032475441715	410255032475	441665410276
0865	032442441665	410276032442	441665410276	032442441665	410276032442	441715410255	032475441715	410255032475
0913	441715410255	032475441715	410255032475	441715410255	032475441715	410255032475	441715410255	032475441715
0961	410255032475	441665410276	032442441715	410255032475	441665410276	032442441715	410255032475	441665410276
1009	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442
1057	441665410276	032442441715	410255032475	441665410276	032442441665	410276032442	441665410276	032442441665
1105	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276
1153	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442
1201	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665
1249	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276
1297	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442
1345	441665410276	032442441665	410276032442	441712410257	032404441665	410276032442	441712410257	032404441665
1393	410276032442	441712410257	032404441665	410276032442	441665410276	032442441665	410276032442	441665410276
1441	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442
1489	441712410257	032404441665	410276032442	441665410276	032442441665	410276032442	441712410257	032404441665
1537	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441712410257
1585	032404441665	200400600400	000377000000	410276032442	441712410257	032404441665	410276032442	441665410276
1633	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441712	410257032404
1681	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665
1729	410276032442	441712410257	032404441665	410276032442	441665410276	032442441665	410276032442	441665410276
1777	032442441712	410257032404	441712410257	032404441712	410257032404	441712410257	032404441665	410276032442
1825	441712410257	032404441665	410276032442	441712410257	032404441665	410276032442	441665410276	032442441665
1873	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276
1921	032442441665	410276032442	441712410257	032404441665	410276032442	441712410257	032404441665	410276032442
1969	441712410257	032404441712	410257032404	441665410276	032442441712	410257032404	441712410257	032404441740
2017	410317032404	441712410257	032404441712	410257032404	441740410317	032404441712	410257032404	441712410257
2065	032404441712	410257032404	441712410257	032404441712	410257032404	441712410257	032404441665	410276032442
2113	441712410257	032404441712	410257032404	441712410257	032404441712	410257032404	441713410337	032442441713
2161	410337032442	441713410337	032442441713	410337032442	441712410257	032404441713	410337032442	441712410257
2209	032404441712	410257032404	441712410257	032404441712	410257032404	441712410257	032404441712	410257032404
2257	441713410337	032442441713	410337032442	441713410337	032442441665	410276032442	441713410337	032442441713
2305	410337032442	441665410276	032442441665	410276032442	441713410337	032442441665	410276032442	441713410337
2353	032442441713	410337032442	441713410337	032442441713	410337032442	441665410276	032442441713	410337032442
2401	441713410337	032442441713	410337032442	441713410337	032442441713	410337032442	441713410337	032442441665
2449	410276032442	441713410337	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276
2497	032442441665	410276032442	441713410337	032442441713	410337032442	441665410276	032442441713	410337032442
2545	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665
2593	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276
2641	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442
2689	441665410276	032442441665	410276032442	441665410276	032442441665	410276032442	441665410276	032442441665
2737	410276032442	441665410276	032442441665	410276032442				

FILE 0001 REC 0002 CH 2760

0001	003440000002	600111050706	441665410276	032442441665	410276032442	441665410276	032442441713	410337032442
0049	441713410337	032442441713	410337032442	441665410276	032442441665	410276032442	441713410337	032442441665
0097	410276032442	441713410337	032442441713	410337032442	441713410337	032442441713	410337032442	441665410276

D-18114

4/24/72 to 4/27/72

FILE 0001 REC 0001 CH 2760

0001	000140000001	600104030302	000000200005	000004000001	442127236321	010607020101	050200010110	020060600221
0049	200005200400	000377000000	112451400362	441276416167	033052441276	416167033052	441276416110	033014441276
0097	416110033014	441276416110	033014441251	416050033014	441300416027	033047441252	415767033047	441225415726
0145	033047441225	415647033011	441225415647	033011441200	415607033011	441152415626	033046441152	415626033046
0193	441152415626	033046441152	415626033046	441152415626	033046441152	415626033046	441153415705	033104441200
0241	415745033104	441200415745	033104441151	415766033051	441176416027	033051441223	416010033014	441223416010
0289	033014441223	416010033014	441223416010	033014441223	416010033014	441252415767	033047441252	415767033047
0337	441252415767	033047441252	415767033047	441252415767	033047441252	415767033047	441252415767	033047441300
0385	415750033011	441300415750	033011441251	415771032757	441251415771	032757441251	415771032757	441251415771
0433	032757441276	416031032757	441276416031	032757441276	416031032757	441323416071	032757441323	416071032757
0481	441323416071	032757441274	416112032724	441274416112	032724441274	416112032724	441274416112	032724441274
0529	416112032724	441274416112	032724441323	416071032757	441323416071	032757441323	416071032757	441351416052
0577	032722441351	416052032722	441351416052	032722441323	416071032757	441323416071	032757441323	416071032757
0625	441323416071	032757441276	416031032757	441247416052	032724441222	416011032724	441222416011	032724441222
0673	416011032724	441174415751	032724441174	415751032724	441174415751	032724441147	415770032761	441147415770
0721	032761441175	416031032761	441223416010	033014441223	416010033014	441223416010	033014441251	416050033014
0769	441300416027	033047441300	416027033047	441300416027	033047441352	416050033012	441352416050	033012441352
0817	416050033012	441400416031	032754441352	415771032754	441352415771	032754441352	415771032754	441352415771
0865	032754441323	416012032722	441323416012	032722441276	416031032757	441276416031	032757441276	416031032757
0913	441247416052	032724441276	416110033014	441276416110	033014441276	416110033014	441323416071	032757441323
0961	416071032757	441323416071	032757441323	416071032757	441323416071	032757441323	416071032757	441276416031
1009	032757441276	416031032757	441276416031	032757441276	416031032757	441251416050	033014441222	416071032761
1057	441222416071	032761441247	416131032761	441274416112	032724441274	416112032724	441274416112	032724441274
1105	416112032724	441274416033	032667441274	416033032667	441274416033	032667441322	416073032667	441322416073
1153	032667441274	416112032724	441274416112	032724441247	416052032724	441247416052	032724441222	416071032761
1201	441222416071	032761441222	416071032761	441247416131	032761441247	416131032761	441323416071	032757441323
1249	416071032757	441276416031	032757441276	416031032757	441276416031	032757441276	416031032757	441276416031
1297	032757441251	415771032757	441300415750	033011441252	415767033047	441225415726	033047441225	415726033047
1345	441254415706	033101441200	415666033047	441200415666	033047441200	415666033047	441200415666	033047441227
1393	415645033101	441227415645	033101441227	415645033101	441201415605	033101441201	415605033101	441201415605
1441	033101441201	415605033101	441200415607	033011441200	415607033011	441200415607	033011441225	415647033011
1489	441225415647	033011441252	415707033011	441252415707	033011441254	415706033101	441254415706	033101441254
1537	415706033101	441254415765	033137441254	415765033137	441303415744	033172441303	416023033227	441303416023
1585	033227441303	200400600400	000377000000	416023033227	441303416023	033227441331	416063033227	441331416063
1633	033227441304	416102033264	441333416061	033317441305	416021033317	441305416021	033317441305	416021033317
1681	441305416021	033317441256	416042033264	441256416042	033264441256	416042033264	441227416063	033231441202
1729	416023033231	441227416004	033174441200	416025033141	441200416025	033141441225	416065033141	441176416027
1777	033051441176	416027033051	441176416027	033051441176	416027033051	441224416067	033051441224	416067033051
1825	441175416110	033017441175	416110033017	441222416071	032761441222	416071032761	441222416071	032761441223
1873	416010033014	441223416010	033014441223	416010033014	441225415726	033047441200	415745033104	441200415745
1921	033104441227	415725033137	441202415744	033174441227	416004033174	441200416025	033141441200	416025033141
1969	441200416025	033141441225	416065033141	441176416106	033107441224	416146033107	441251416127	033051441251
2017	416127033051	441251416127	033051441300	416106033104	441300416106	033104441300	416106033104	441300416106
2065	033104441300	416106033104	441300416106	033104441300	416106033104	441300416106	033104441300	416106033104
2113	441300416106	033104441253	416046033104	441302416025	033137441302	416025033137	441254415765	033137441301
2161	415746033102	441300416027	033047441253	416046033104	441253416046	033104441225	416006033104	441225416006
2209	033104441225	416006033104	441225416006	033104441225	416006033104	441225416006	033104441225	416006033104
2257	441225416006	033104441225	416006033104	441200415745	033104441200	415745033104	441200415745	033104441227
2305	415725033137	441227415725	033137441202	415744033174	441202415744	033174441153	415765033141	441153415765
2353	033141441153	415765033141	441124416005	033106441151	416046033107	441151416046	033107441151	416046033107
2401	441151416046	033107441151	416046033107	441176416106	033107441176	416106033107	441176416106	033107441176
2449	416106033107	441176416106	033107441224	416146033107	441224416146	033107441251	416127033051	441276416167
2497	033052441276	416167033052	441276416167	033052441324	416227033052	441322416231	032762441322	416231032762
2545	441322416231	032762441322	416231032762	441351416210	033014441351	416210033014	441351416210	033014441324
2593	416150033014	441324416150	033014441276	416167033052	441276416167	033052441276	416167033052	441276416167
2641	033052441276	416167033052	441276416167	033052441251	416206033107	441251416206	033107441251	416206033107
2689	441251416206	033107441251	416206033107	441251416206	033107441224	416146033107	441224416146	033107441251
2737	416206033107	441251416206	033107441251	416206033107				

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