

#233

OGO-6

U.V. AIRGLOW

69-051A-13A

(103 tapes)

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

U.V. AIRGLOW TAPES

69-051A-13A

This data set has been restored. There were originally 103, 7-track, 556 BPI tapes, written in Binary. There are 17 restored tapes. The DR tapes are 3480 cartridges and the DS tapes are 9-track, 6250 BPI. The original tapes were created on an IBM 7094 computer from CDC 6400 tapes using a PIFT program. The restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding DD numbers are as follows:

DR#	DS#	DD#	FILES	TIME SPAN	
DR-004736	DS-004736	DD-010930	1-50	06/09/69-06/12/69	(a)
		DD-010931	51-100	06/12/69-06/16/69	
		DD-010932	101-150	06/16/69-06/19/69	
		DD-010933	151-200	06/19/69-06/22/69	(b)
		DD-010934	201-250	02/22/69-06/26/69	
		DD-010935	251-300	06/26/69-06/29/69	(c)
DR-004737	DS-004737	DD-010936	1-50	06/29/69-07/03/69	
		DD-010937	51-100	07/03/69-07/06/69	(d)
		DD-010938	101-150	07/06/69-07/10/69	
		DD-010939	151-200	07/10/69-07/13/69	
		DD-010940	201-250	07/13/69-07/17/69	
		DD-010941	251-300	07/17/69-07/20/69	
DR-004738	DS-004738	DD-010942	1-50	07/24/69-07/27/69	(e)
		DD-010943	51-100	08/03/69-08/06/69	(f)
		DD-010944	101-145	08/10/69-08/13/69	(g)
		DD-010945	146-188	08/13/69-08/16/69	(h)
		DD-010946	189-238	08/17/69-08/20/69	(i)
		DD-010947	239-288	08/20/69-08/24/69	
DR-004763	DS-004763	DD-010948	1-50	08/24/69-08/27/69	
		DD-010949	51-100	08/27/69-08/31/69	(j)
		DD-010950	101-150	08/31/69-09/03/69	
		DD-010951	151-200	09/03/69-09/07/69	
		DD-010952	201-250	09/07/69-09/10/69	
		DD-010953	251-300	09/10/69-09/14/69	
DR-004764	DS-004764	DD-010954	1-50	09/14/69-09/17/69	(k)
		DD-010955	51-88	09/17/69-09/20/69	(l)
		DD-010956	89-131	09/20/69-09/24/69	(m)
		DD-010957	132-181	09/24/69-09/27/69	
		DD-010958	182-231	09/27/69-10/01/69	(n)
		DD-010959	232-281	10/01/69-10/04/69	(o)

DR#	DS#	DD#	FILES	TIME SPAN
DR-004765	DS-004765	DD-010960	1-50	10/04/69-10/08/69
		DD-010961	51-100	10/08/69-10/11/69
		DD-010962	101-150	10/11/69-10/15/69
		DD-010963	151-200	10/15/69-10/18/69 (p)
		DD-010964	201-250	10/18/69-10/22/69
		DD-010965	251-300	10/22/69-10/25/69
DR-004766	DS-004766	DD-010966	1-50	10/25/69-10/28/69
		DD-010967	51-100	11/04/69-11/08/69
		DD-010968	101-150	11/08/69-11/11/69
		DD-010969	151-200	11/11/69-11/15/69 (q)
		DD-010970	201-250	11/15/69-11/18/69 (r)
		DD-010971	251-293	11/18/69-11/21/69 (s)
DR-004767	DS-004767	DD-010972	1-50	11/22/69-11/25/69
		DD-010973	51-100	11/25/69-11/29/69
		DD-010974	101-150	11/29/69-12/02/69
		DD-010975	151-192	12/02/69-12/05/69 (t)
		DD-011568	193-242	12/05/69-12/09/69
		DD-011569	243-292	12/09/69-12/12/69 (u)
DR-004768	DS-004768	DD-011570	1-50	12/12/69-12/16/69
		DD-011571	51-100	12/16/69-12/19/69 (v)
		DD-011572	101-150	12/19/69-12/23/69 (w)
		DD-011573	151-200	12/23/69-12/26/69
		DD-011574	201-250	12/26/69-12/30/69
		DD-011575	251-300	01/02/70-01/06/70
DR-004769	DS-004769	DD-011576	1-50	01/06/70-01/09/70
		DD-011577	51-100	01/09/70-01/12/70
		DD-011713	101-150	01/12/70-01/16/70
		DD-011714	151-200	01/16/70-01/19/70
		DD-011715	201-250	01/19/70-01/23/70
		DD-011716	251-300	01/23/70-01/26/70 (x)
DR-004770	DS-004770	DD-011717	1-50	01/26/70-01/29/70
		DD-011718	51-100	02/06/70-02/09/70
		DD-011719	101-150	02/09/70-02/12/70
		DD-011720	151-200	02/12/70-02/16/70
		DD-011721	201-250	02/16/70-02/19/70 (y)
		DD-011722	251-300	02/19/70-02/23/70 (z)
DR-004771	DS-004771	DD-011723	1-50	02/23/70-20/26/70
		DD-011724	51-100	03/02/70-03/05/70
		DD-011725	101-150	03/05/70-03/09/70
		DD-011726	151-200	03/09/70-03/12/70
		DD-011727	201-250	03/12/70-03/16/70
		DD-011728	251-300	03/16/70-03/19/70

DR#	DS#	DD#	FILES	TIME SPAN
DR-004772	DS-004772	DD-011729	1-50	03/19/70-03/22/70
		DD-011730	51-100	03/26/70-03/29/70
		DD-011578	101-150	03/29/70-04/02/70
		DD-011579	151-200	04/02/70-04/05/70
		DD-011580	201-250	04/05/70-04/09/70
		DD-011581	251-300	04/09/70-04/12/70
DR-004816	DS-004816	DD-011582	1-50	04/12/70-04/16/70
		DD-011583	51-100	04/16/70-04/19/70
		DD-011584	101-150	04/19/70-04/22/70
		DD-011585	151-200	04/26/70-04/29/70
		DD-011586	201-250	04/29/70-05/03/70
		DD-011587	251-300	05/03/70-05/06/70
DR-004817	DS-004817	DD-011731	1-50	05/06/70-05/10/70 (aa)
		DD-011732	51-100	05/10/70-05/13/70
		DD-011733	101-150	05/13/70-05/17/70
		DD-011734	151-200	05/17/70-05/20/70
		DD-011735	201-250	05/20/70-05/23/70
		DD-011736	251-300	05/23/70-05/27/70 (ab)
DR-004818	DS-004818	DD-011737	1-50	05/27/70-05/30/70
		DD-011738	51-100	05/30/70-06/03/70
		DD-011739	101-150	06/03/70-06/06/70
		DD-011740	151-200	06/06/70-06/10/70
		DD-011741	201-250	06/13/70-06/17/70
		DD-011742	251-300	06/17/70-06/20/70
DR-004819	DS-004819	DD-011743	1-50	06/20/70-06/23/70
		DD-011744	51-100	06/23/70-06/27/70
		DD-011745	101-150	06/27/70-06/30/70
		DD-011746	151-200	07/11/70-07/14/70
		DD-011747	201-250	07/14/70-07/18/70
		DD-011748	251-300	07/18/70-07/21/70
DD-011749	301-350	07/21/70-07/24/70		

- (a) DD-010930: RECORD 80 DROPPED FROM FILE 22.  
(b) DD-010933: RECORD 85 DROPPED FROM FILE 2.  
(c) DD-010935: RECORD 4 DROPPED FROM FILE 1.  
(d) DD-010937: RECORDS 19 & 22 DROPPED FROM FILE 2.  
(e) DD-010942: RECORDS 26 & 27 DROPPED FROM FILE 5.  
(f) DD-010943: RECORD 14 DROPPED FROM FILE 1.  
(g) DD-010944: FILES 2-6 ALL WITH 0 BLOCK READ, NOT COPIED.  
(h) DD-010945: FILES 2-8 ALL WITH 0 BLOCK READ, NOT COPIED.  
(i) DD-010946: RECORDS 38 & 40 DROPPED FROM FILE 1, AND  
RECORDS 27 & 29 DROPPED FROM FILE 2.  
(j) DD-010949: RECORD 11 DROPPED FROM FILE 1, AND  
RECORDS 29 & 33 FROM FILE 5.



- (k) DD-010954: RECORD 10 DROPPED FROM FILE 1.
- (l) DD-010955: FILES 2-13 ALL WITH 0 BLOCK READ, NOT COPIED.
- (m) DD-010956: FILES 2-8 ALL WITH 0 BLOCK READ, NOT COPIED.
- (n) DD-010958: RECORD 47 DROPPED FROM FILE 10.
- (o) DD-010959: RECORD 40 DROPPED FROM FILE 4.
- (p) DD-010963: RECORD 45 DROPPED FROM FILE 31.
- (q) DD-010969: RECORD 45 DROPPED FROM FILE 40.
- (r) DD-010970: RECORD 78 DROPPED FROM FILE 29.
- (s) DD-010971: FILES 2-8 ALL WITH 0 BLOCK READ, NOT COPIED.
- (t) DD-010975: FILES 2-9 ALL WITH 0 BLOCK READ, NOT COPIED.
- (u) DD-011569: RECORD 9 DROPPED FROM FILE 1.
- (v) DD-011571: DATA, ORBIT 2801-2800, STACKED STARTING FILE 101.
- (w) DD-011572: DATA, ORBIT 2851-2900, STACKED STARTING FILE 51.  
(LABELS OF ABOVE TWO TAPES WERE SWITCHED AROUND).
- (x) DD-011716: RECORD 16 DROPPED FROM FILE 1, AND  
RECORD 81 DROPPED FROM FILE 3.
- (y) DD-011721: DATA, ORBIT 3701-3750, STACKED STARTING FILE 251.
- (z) DD-011722: DATA, ORBIT 3751-3800, STACKED STARTING FILE 201.  
(LABELS OF ABOVE TWO TAPES WERE SWITCHED AROUND).  
RECORD 69 DROPPED FROM FILE 50.
- (aa) DD-011731: RECORD 12 & 14 DROPPED FROM FILE 1.
- (ab) DD-011736: RECORD 68 DROPPED FROM FILE 1.

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U.V. AIRGLOW TAPES

This data set consists of 110 tapes. These tapes are 556 BPI, Binary produced on the 7094 computer from CDC 6400 tape using a PIFT program. Each tape has 50 files.

<u>D#</u>	<u>C#</u>	<u>START</u>	<u>STOP</u>	<u>ORBITS</u>
D-10930	C-08278	6/09/69	6/12/69	51- 100
D-10931	C-08279	6/12/69	6/16/69	101- 150
D-10932	C-08280	6/16/69	6/19/69	151- 200
D-10933	C-08281	6/19/69	6/22/69	201- 250
D-10934	C-08282	6/22/69	6/26/69	251- 300
D-10935	C-08283	6/26/69	6/29/69	301- 350
D-10936	C-08284	6/29/69	7/03/69	351- 400
D-10937	C-08285	7/03/69	7/06/69	401- 450
D-10938	C-08286	7/06/69	7/10/69	451- 500
D-10939	C-08287	7/10/69	7/13/69	501- 550
D-10940	C-08288	7/13/69	7/17/69	551- 600
D-10941	C-08289	7/17/69	7/20/69	601- 650
D-10942	C-08290	7/24/69	7/27/69	701- 750
D-10943	C-08291	8/03/69	8/06/69	851- 900
D-10944	C-08292	8/10/69	8/13/69	951-1000
D-10945	C-08293	8/13/69	8/16/69	1001-1050
D-10946	C-08294	8/17/69	8/20/69	1051-1100
D-10947	C-08295	8/20/69	8/24/69	1101-1150
D-10948	C-08296	8/24/69	8/27/69	1151-1200
D-10949	C-08297	8/27/69	8/31/69	1201-1250
D-10950	C-08298	8/31/69	9/03/69	1251-1300
D-10951	C-08299	9/03/69	9/07/69	1301-1350

<u>D#</u>	<u>C#</u>	<u>START</u>	<u>STOP</u>	<u>ORBITS</u>
D-10952	C-08300	9/07/69	9/10/69	1351-1400
D-10953	C-08301	9/10/69	9/14/69	1401-1450
D-10954	C-08302	9/14/69	9/17/69	1451-1500
D-10955	C-08303	9/17/69	9/20/69	1501-1550
D-10956	C-08304	9/20/69	9/24/69	1551-1600
D-10957	C-08305	9/24/69	9/27/69	1601-1650
D-10958	C-08306	9/27/69	10/01/69	1651-1700
D-10959	C-08307	10/01/69	10/04/69	1701-1750
D-10960	C-08308	10/04/69	10/08/69	1751-1800
D-10961	C-08309	10/08/69	10/11/69	1801-1850
D-10962	C-08310	10/11/69	10/15/69	1851-1900
D-10963	C-08311	10/15/69	10/18/69	1901-1950
D-10964	C-08312	10/18/69	10/22/69	1951-2000
D-10965	C-08313	10/22/69	10/25/69	2001-2050
D-10966	C-08314	10/25/69	10/28/69	2051-2100
D-10967	C-08315	11/04/69	11/08/69	2201-2250
D-10968	C-08316	11/08/69	11/11/69	2251-2300
D-10969	C-08317	11/11/69	11/15/69	2301-2350
D-10970	C-08318	11/15/69	11/18/69	2351-2400
D-10971	C-08319	11/18/69	11/21/69	2401-2450
D-10972	C-08320	11/22/69	11/25/69	2451-2500
D-10973	C-08321	11/25/69	11/29/69	2501-2550
D-10974	C-08322	11/29/69	12/02/69	2551-2600
D-10975	C-08323	12/02/69	12/05/69	2601-2650
D-11568	C-08864	12/05/69	12/09/69	2651-2700
D-11569	C-08865	12/09/69	12/12/69	2701-2750
D-11570	C-08866	12/12/69	12/16/69	2751-2800
D-11571	C-08867	12/16/69	12/19/69	2801-2850
D-11572	C-08868	12/19/69	12/23/69	2851-2900
D-11573	C-08869	12/23/69	12/26/69	2901-2950

<u>D#</u>	<u>C#</u>	<u>START</u>	<u>STOP</u>	<u>ORBITS</u>
D-11574	C-08870	12/26/69	12/30/69	2951-3000
D-11575	C-08871	1/02/70	1/06/70	3051-3100
D-11576	C-08872	1/06/70	1/09/70	3101-3150
D-11577	C-08873	1/09/70	1/12/70	3151-3200
D-11713	C-08961	1/12/70	1/16/70	3201-3250
D-11714	C-08962	1/16/70	1/19/70	3251-3300
D-11715	C-08963	1/19/70	1/23/70	3301-3350
D-11716	C-08964	1/23/70	1/26/70	3351-3400
D-11717	C-08965	1/26/70	1/29/70	3401-3450
D-11718	C-08966	2/06/70	2/09/70	3551-3600
D-11719	C-08967	2/09/70	2/12/70	3601-3650
D-11720	C-08968	2/12/70	2/16/70	3651-3700
D-11721	C-08969	2/16/70	2/19/70	3701-3750
D-11722	C-08970	2/19/70	2/23/70	3751-3800
D-11723	C-08971	2/23/70	2/26/70	3801-3850
D-11724	C-08972	3/02/70	3/05/70	3901-3950
D-11725	C-08973	3/05/70	3/09/70	3951-4000
D-11726	C-08974	3/09/70	3/12/70	4001-4050
D-11727	C-08975	3/12/70	3/16/70	4051-4100
D-11728	C-08976	3/16/70	3/19/70	4101-4150
D-11729	C-08977	3/19/70	3/22/70	4151-4200
D-11730	C-08978	3/26/70	3/29/70	4251-4300
D-11578	C-08874	3/29/70	4/02/70	4301-4350
D-11579	C-08875	4/02/70	4/06/70	4351-4400
D-11580	C-08876	4/06/70	4/09/70	4401-4450
D-11581	C-08877	4/09/70	4/12/70	4451-4500
D-11582	C-08878	4/12/70	4/16/70	4501-4550
D-11583	C-08879	4/16/70	4/19/70	4551-4600
D-11584	C-08880	4/19/70	4/22/70	4601-4650
D-11585	C-08881	4/26/70	4/29/70	4701-4750
D-11586	C-08882	4/29/70	5/03/70	4751-4800

<u>D#</u>	<u>C#</u>	<u>START</u>	<u>STOP</u>	<u>ORBITS</u>
D-11587	C-08883	5/03/70	5/06/70	4801-4850
D-11731	C-08979	5/06/70	5/10/70	4851-4900
D-11732	C-08980	5/10/70	5/13/70	4901-4950
D-11733	C-08981	5/13/70	5/17/70	4951-5000
D-11734	C-08982	5/17/70	5/20/70	5001-5050
D-11735	C-08983	5/20/70	5/23/70	5051-5100
D-11736	C-08984	5/23/70	5/27/70	5101-5150
D-11737	C-08985	5/27/70	5/30/70	5151-5200
D-11738	C-08986	5/30/70	6/03/70	5201-5250
D-11739	C-08987	6/03/70	6/06/70	5251-5300
D-11740	C-08988	6/06/70	6/10/70	5301-5350
D-11741	C-08989	6/13/70	6/17/70	5401-5450
D-11742	C-08990	6/17/70	6/20/70	5451-5500
D-11743	C-08991	6/20/70	6/23/70	5501-5550
D-11744	C-08992	6/23/70	6/27/70	5551-5600
D-11745	C-08993	6/27/70	7/01/70	5601-5650
D-11746	C-08994	7/11/70	7/14/70	5801-5850
D-11747	C-08995	7/14/70	7/18/70	5851-5900
D-11748	C-08996	7/18/70	7/21/70	5901-5950
D-11749	C-08997	7/21/70	7/24/70	5951-6000

OGO-F Processing Summary

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Each 2 FFD tapes correspond to 1 FAB tape in low sequence

Tape	Revs	start	stop	Conv	AD on	Merge	Comment
FFD001	1-50	6-5-69	1547 48.812	6-9-69	0254 00	✓ 5-11-71	✓ 5-12-71 ✓ 6-7-71
FFD002	51-100	6-9-69	0254 04.874	6-12-69	1400 00	✓ 5-7-71	✓ 5-11-71 ✓ 6-2-71
FFD003	101-150	6-12-69	1400 06.822	6-16-69	0105 00	✓ 4-20-71	✓ 4-29-71 ✓ 6-3-71
FFD004	151-200	6-16-69	0105 53.917	6-19-69	1211 00	✓ 4-20-71	✓ 4-22-71 ✓ 6-25-71
FFD005	201-250	6-19-69	1211 25.572	6-22-69	2316 00	✓ 4-20-71	✓ 4-24-71 ✓ 6-25-71
FFD006	251-300	6-22-69	2316 44.497	6-26-69	1021 00	✓ 12-13-71	✓ 12-14-71 ✓ 5-1-72
FFD007	301-350	6-26-69	1021 57.404	6-29-69	2126 00	✓ 4-20-71	✓ 4-22-71 ✓ 6-3-71
FFD008	351-400	6-29-69	2126 46.489	7-3-69	0831 00	✓ 4-20-71	✓ 4-24-71 ✓ 6-3-71
FFD009	401-450	7-3-69	0831 27.938	7-6-69	1935 00	✓ 4-20-71	✓ 4-23-71 ✓ 6-3-71
FFD010	451-500	7-6-69	1935 52.590	7-10-69	0639 00	✓ 4-23-71	✓ 4-29-71 ✓ 6-3-71
FFD011	501-550	7-10-69	0639 58.604	7-13-69	1743 00	✓ 4-23-71	✓ 4-29-71 ✓ 6-3-71
FFD012	551-600	7-13-69	1743 44.886	7-17-69	0447 00	✓ 4-23-71	✓ 4-29-71 ✓ 6-7-71
FFD013	601-650	7-17-69	0447 11.195	7-20-69	1550 00	✓ 4-24-71	✓ 5-3-71 ✓ 7-6-71
FFD014	651-700	7-20-69	1550 22.342	7-24-69	0253 00	✓ 4-24-71	✓ 4-29-71
FFD015	701-750	7-24-69	0253 21.090	7-27-69	1356 00	✓ 4-26-71	✓ 4-30-71 ✓ 6-30-71
FFD016	751-800	7-27-69	1356 08.426	7-30-69	0058 00	✓ 4-21-71	✓ 4-22-71
FFD017	801-850	7-30-69	0058 40.968	8-3-69	1200 00	✓ 4-21-71	✓ 4-22-71
FFD018	851-900	8-3-69	1200 58.157	8-6-69	2302 00	✓ 4-21-71	✓ 5-3-71 ✓ 6-3-71
FFD019	901-950	8-6-69	2302 54.428	8-10-69	1004 00	✓ 4-28-71	✓ 5-4-71 ✓ 5-10-72
FFD020	951-1000	8-10-69	1004 30.127	8-13-69	2105 00	✓ 4-24-71	✓ 4-30-71 ✓ 5-1-72
FFD021	1001-1050	8-13-69	2105 51.375	8-17-69	0807 00	✓ 4-24-71	✓ 5-10-71 ✓ 5-1-72
FFD022	1051-1100	8-17-69	0807 04.237	8-20-69	1908 00	✓ 4-24-71	✓ 5-7-71 ✓ 6-3-71
FFD023	1101-1150	8-20-69	1908 12.944	8-24-69	0609 00	✓ 4-26-71	✓ 5-9-71 ✓ 6-7-71
FFD024	1151-1200	8-24-69	0609 18.497	8-27-69	1710 00	✓ 4-26-71	✓ 5-9-71 ✓ 6-3-71
FFD025	1201-1250	8-27-69	1710 21.053	8-31-69	0411 00	✓ 4-26-71	✓ 5-9-71 ✓ 6-7-71
FFD026	1251-1300	8-31-69	0411 17.742	9-3-69	1512 00	✓ 4-27-71	✓ 5-11-71 ✓ 6-3-71
FFD027	1301-1350	9-3-69	1512 09.751	9-7-69	0212 00	✓ 4-28-71	✓ 5-9-71 ✓ 6-3-71
FFD028	1351-1400	9-7-69	0212 54.832	9-10-69	1313 00	✓ 4-28-71	✓ 5-9-71 ✓ 6-7-71
FFD029	1401-1450	9-10-69	1313 33.138	9-14-69	0014 00	✓ 5-5-71	✓ 5-12-71 ✓ 6-7-71
FFD030	1451-1500	9-14-69	0014 05.833	9-17-69	1114 00	✓ 5-6-71	✓ 5-7-71 ✓ 6-28-71
FFD031	1501-1550	9-17-69	1114 31.197	9-20-69	2214 00	✓ 5-5-71	✓ 5-11-71 ✓ 6-7-71
FFD032	1551-1600	9-20-69	2214 44.980	9-24-69	0914 00	✓ 5-5-71	✓ 5-11-71 ✓ 6-7-71
FFD033	1601-1650	9-24-69	0914 43.721	9-27-69	2014 00	✓ 5-5-71	✓ 5-11-71 ✓ 6-7-71
FFD034	1651-1700	9-27-69	2014 23.250	10-1-69	0713 00	✓ 5-5-71	✓ 12-14-71 ✓ 12-21-71
FFD035	1701-1750	10-1-69	0713 39.166	10-4-69	1812 00	✓ 5-5-71	✓ 5-11-71 ✓ 6-7-71
FFD036	1751-1800	10-4-69	1812 30.185	10-8-69	0510 00	✓ 5-5-71	✓ 5-11-71 ✓ 6-17-71
FFD037	1801-1850	10-8-69	0510 57.462	10-11-69	1608 00	✓ 5-5-71	✓ 5-11-71 ✓ 6-8-71
FFD038	1851-1900	10-11-69	1608 59.585	10-15-69	0306 00	✓ 5-7-71	✓ 5-11-71 ✓ 6-7-71
FFD039	1901-1950	10-15-69	0306 34.866	10-18-69	1403 00	✓ 5-3-71	✓ 5-12-71 ✓ 6-7-71
FFD040	1951-2000	10-18-69	1403 46.849	10-22-69	0100 00	✓ 5-12-71	✓ 5-14-71 ✓ 6-8-71
FFD041	2001-2050	10-22-69	0100 34.757	10-25-69	1156 00	✓ 5-12-71	✓ 5-14-71 ✓ 6-9-71
FFD042	2051-2100	10-25-69	1156 56.956	10-28-69	2252 00	✓ 5-12-71	✓ 5-14-71 ✓ 6-9-71
FFD043	2101-2150	10-28-69	2252 48.818	11-1-69	0948 00	✓ 5-11-71	✓ 5-14-71 ✓ 5-1-72
FFD044	2151-2200	11-1-69	0948 16.907	11-4-69	2043 00	✓ 5-10-71	✓ 5-12-71 ✓ 7-6-71
FFD045	2201-2250	11-4-69	2043 26.127	11-8-69	0738 00	✓ 5-12-71	✓ 5-14-71 ✓ 6-9-71
FFD046	2251-2300	11-8-69	0738 20.885	11-11-69	1832 00	✓ 5-12-71	✓ 5-14-71 ✓ 6-17-71
FFD047	2301-2350	11-11-69	1832 59.555	11-15-69	0527 00	✓ 5-13-71	✓ 5-14-71 ✓ 6-9-71
FFD048	2351-2400	11-15-69	0527 23.829	11-18-69	1621 00	✓ 5-13-71	✓ 5-14-71 ✓ 6-9-71
FFD049	2401-2450	11-18-69	1621 37.452	11-22-69	0315 00	✓ 5-13-71	✓ 5-14-71 ✓ 6-9-71
FFD050	2451-2500	11-22-69	0315 38.668	11-25-69	1409 00	✓ 5-13-71	✓ 5-14-71 ✓ 6-29-71

	Revs	start	stop	Conv	Ad on	Merge	Comment
FFD051	2501-2550	11-25-69	1409 29,993	11-29-69	0102 00	✓ 5-18-71	✓ 6-1-71 ✓ 6-9-71
FFD052	2551-2600	11-29-69	0102 53,873	12-2-69	1156 00	✓ 5-18-71	✓ 5-21-71 ✓ 6-9-71
✓ FFD053	2601-2650	12-2-69	1156 09,039	12-5-69	2248 00	✓ 5-18-71	✓ 5-21-71 ✓ 6-9-71
FFD054	2651-2700	12-5-69	2248 57,864	12-9-69	0941 00	✓ 5-18-71	✓ 5-21-71 ✓ 6-9-71
FFD055	2701-2750	12-9-69	0941 36,163	12-12-69	2034 00	✓ 5-18-71	✓ 5-21-71 ✓ 6-9-71
FFD056	2751-2800	12-12-69	2034 04,163	12-16-69	0726 00	✓ 5-18-71	✓ 5-21-71 ✓ 7-2-71
FFD057	2801-2850	12-16-69	0726 23,140	12-19-69	1918 00	✓ 5-21-71	✓ 6-1-71 ✓ 6-9-71
FFD058	2851-2900	12-19-69	1818 33,041	12-23-69	0570 00	✓ 5-19-71	✓ 5-25-71 ✓ 6-9-71
FFD059	2901-2950	12-23-69	0570 33,585	12-26-69	1602 00	✓ 5-18-71	✓ 5-21-71 ✓ 6-9-71
FFD060	2951-3000	12-26-69	1602 23,404	12-30-69	0254 00	✓ 5-18-71	✓ 5-21-71 ✓ 6-17-71
FFD061	3001-3050	12-30-69	0254 03,724	1-2-70	1345 00	✓ 11-2-71	✓ 11-3-71 bad Ac
FFD062	3051-3100	1-2-70	1345 35,143	1-6-70	0036 00	✓ 5-22-71	✓ 6-1-71 ✓ 6-14-71
FFD063	3101-3150	1-6-70	0036 58,326	1-9-70	1128 00	✓ 5-22-71	✓ 5-24-71 ✓ 6-14-71
FFD064	3151-3200	1-9-70	1128 14,673	1-12-70	2219 00	✓ 12-7-71	✓ 12-13-71 ✓ 5-1-72
FFD065	3201-3250	1-12-70	2219 25,242	1-16-70	0910 00	✓ 5-22-71	✓ 5-24-71 ✓ 6-15-71
FFD066	3251-3300	1-16-70	0910 27,505	1-19-70	2001 00	✓ 5-22-71	✓ 5-24-71 ✓ 7-6-71
FFD067	3301-3350	1-19-70	2001 16,995	1-23-70	0651 00	✓ 5-22-71	✓ 5-24-71 ✓ 7-6-71
FFD068	3351-3400	1-23-70	0651 51,185	1-26-70	1742 00	✓ 5-22-71	✓ 5-24-71 ✓ 6-17-71
FFD069	3401-3450	1-26-70	1742 09,612	1-30-70	0432 00	✓ 6-2-71	✓ 6-3-71 ✓ 6-17-71
FFD070	3451-3500	1-30-70	0432	2-2-70	1522 00		3455-99
FFD071	3501-3550	2-2-70	1522 04,061	2-6-70	0211 00	✓ 5-22-71	✓ 5-24-71 ✓ 6-17-71
FFD072	3551-3600	2-6-70	0211 37,423	2-9-70	1300 00	✓ 11-23-71	✓ 11-30-71 ✓ 5-1-72
FFD073	3601-3650	2-9-70	1300 55,037	2-12-70	2349 00	✓ 6-10-71	✓ 6-11-71 ✓ 6-17-71
FFD074	3651-3700	2-12-70	2349 53,835	2-16-70	1038 00	✓ 6-10-71	✓ 6-11-71 ✓ 6-17-71
FFD075	3701-3750	2-16-70	1038 27,916	2-19-70	2126 00	✓ 6-10-71	✓ 6-11-71 ✓ 6-17-71
FFD076	3751-3800	2-19-70	2126 33,093	2-23-70	0814 00	✓ 6-10-71	✓ 6-11-71 ✓ 6-17-71
FFD077	3801-3850	2-23-70	0814 10,008	2-26-70	1901 00	✓ 6-11-71	✓ 6-15-71 ✓ 7-6-71
FFD078	3851-3900	2-26-70	1901 21,572	3-2-70	0548 00	✓ 11-23-71	✓ 11-30-71
FFD079	3901-3950	3-2-70	0548 07,994	3-5-70	1634 00	✓ 6-10-71	✓ 6-11-71 ✓ 6-17-71
FFD080	3951-4000	3-5-70	1634 33,204	3-9-70	0120 00	✓ 6-10-71	✓ 6-11-71 ✓ 6-17-71
FFD081	4001-4050	3-9-70	0320 39,312	3-12-70	1406 00	✓ 6-14-71	✓ 6-15-71 ✓ 6-17-71
FFD082	4051-4100	3-12-70	1406 26,290	3-16-70	0052 00	✓ 6-11-71	✓ 6-15-71 ✓ 5-1-72
FFD083	4101-4150	3-16-70	0052 00,106	3-19-70	1137 00	✓ 6-11-71	✓ 6-15-71 ✓ 6-21-71
FFD084	4151-4200	3-19-70	1137 23,038	3-22-70	2222 00	✓ 6-11-71	✓ 6-15-71 ✓ 6-21-71
FFD085	4201-4250	3-22-70	2222 36,850	3-26-70	0907 00	✓ 6-11-71	✓ 6-15-71 ✓ 5-1-72
FFD086	4251-4300	3-26-70	0907 43,238	3-29-70	1952 00	✓ 6-11-71	✓ 6-15-71 ✓ 6-29-71
FFD087	4301-4350	3-29-70	1952 41,391	4-2-70	0637 00	✓ 6-11-71	✓ 6-15-71 ✓ 5-10-72
FFD088	4351-4400	4-2-70	0637 28,963	4-5-70	1722 00	✓ 11-23-71	✓ 12-1-71 ✓ 2-14-72
FFD089	4401-4450	4-5-70	1722 06,338	4-9-70	0406 00	✓ 7-16-71	✓ 7-20-71 ✓ 5-1-72
FFD090	4451-4500	4-9-70	0406 32,354	4-12-70	1450 00	✓ 7-16-71	✓ 7-20-71 ✓ 5-1-72
FFD091	4501-4550	4-12-70	1450 44,014	4-16-70	0134 00	✓ 7-14-71	✓ 7-20-71 ✓ 7-26-71
FFD092	4551-4600	4-16-70	0134 39,788	4-19-70	1218 00	✓ 7-14-71	✓ 7-21-71 ✓ 8-1-71
FFD093	4601-4650	4-19-70	1218 15,706	4-22-70	2301 00	✓ 7-20-71	✓ 7-22-71 ✓ 5-10-72
FFD094	4651-4700	4-22-70	2301 25,717	4-26-70	0944 00	✓ 12-7-71	✓ 12-8-71 ✓ 5-11-72
FFD095	4701-4750	4-26-70	0944 10,528	4-29-70	2026 00	✓ 7-26-71	✓ 8-6-71 ✓ 8-19-71
FFD096	4751-4800	4-29-70	2026 31,445	5-3-70	0708 00	✓ 7-23-71	✓ 8-6-71 ✓ 8-19-71
FFD097	4801-4850	5-3-70	0708 25,272	5-6-70	1749 00	✓ 8-28-71	✓ 8-30-71 ✓ 2-15-72
FFD098	4851-4900	5-6-70	1749 49,575	5-10-70	0430 00	✓ 8-28-71	✓ 8-30-71 ✓ 2-22-72
FFD099	4901-4950	5-10-70	0430 44,732	5-13-70	1511 00	✓ 8-28-71	✓ 8-30-71 ✓ 2-15-72
FFD100	4951-5000	5-13-70	1511 15,904	5-17-70	0151 00	✓ 9-3-71	✓ 9-27-71 ✓ 5-10-72

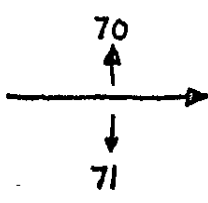
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	Revs		start		stop	Conv	AO	Merge	Comm
FFD101	5001-5050	5-17-70	0151 28.050	5-20-70	1230 00	✓ 11-1-71	✓ 11-2-71	✓ 5-10-72	
FFD102	5051-5100	5-20-70	1230 58.934	5-23-70	2310 00	✓ 11-2-71	✓ 11-4-71	✓ 5-10-72	
FFD103	5101-5150	5-23-70	2310 06.411	5-27-70	0548 00	✓ 9-3-71	✓ 9-27-71	✓ 3-21-72	
FFD104	5151-5200	5-27-70	0948 51.946	5-30-70	2027 00	✓ 9-3-71	✓ 9-27-71	✓ 3-21-72	
FFD105	5201-5250	5-30-70	2027 14.651	6-3-70	0705 00	✓ 9-9-71	✓ 9-27-71	✓ 3-21-72	
FFD106	5251-5300	6-3-70	0705 15.750	6-6-70	1742 00	✓ 9-27-71	✓ 10-14-71	✓ 3-21-72	
FFD107	5301-5350	6-6-70	1742 57.637	6-10-70	0420 00	✓ 11-10-71	✓ 11-10-71	✓ 2-22-72	
FFD108	5351-5400	6-10-70	0420 23.514	6-13-70	1457 00	✓ 11-10-71	✓ 11-10-71		
FFD109	5401-5450	6-13-70	1457 33.226	6-17-70	0134 00	✓ 11-10-71	✓ 11-15-71	✓ 3-21-72	
FFD110	5451-5500	6-17-70	0134 24.180	6-20-70	1210 00	✓ 11-9-71	✓ 11-9-71	✓ 3-21-72	
FFD111	5501-5550	6-20-70	1210 53.616	6-23-70	2247 00	✓ 11-5-71	✓ 11-8-71	✓ 3-21-72	
FFD112	5551-5600	6-23-70	2247 02.581	6-27-70	0922 00	✓ 11-9-71	✓ 11-9-71	✓ 3-21-72	
FFD113	5601-5650	6-27-70	0922 52.979	6-30-70	1958 00	✓ 11-10-71	✓ 11-11-71	✓ 3-21-72	
FFD114	5651-5700	6-30-70	1958 21.865	7-4-70	0633 00	✓ 11-10-71	✓ 11-23-71	✓ 3-23-72	
FFD115	5701-5750	7-4-70	0633 27.989	7-7-70	1708 00	✓ 11-10-71	✓ 11-12-71	3-23-72	
FFD116	5751-5800	7-7-70	1708 09.107	7-11-70	0342 00	✓ 11-11-71	✓ 11-11-71	✓ 5-10-72	
FFD117	5801-5850	7-11-70	0342 26.605	7-14-70	1416 00	✓ 11-9-71	✓ 11-9-71	✓ 2-16-72	
FFD118	5851-5900	7-14-70	1416 21.895	7-18-70	0049 00	✓ 11-15-71	✓ 11-16-71	✓ 5-10-72	
FFD119	5901-5950	7-18-70	0049 59.945	7-21-70	1123 00	✓ 11-21-71	✓ 11-11-71	✓ 2-16-72	
FFD120	5951-6000	7-21-70	1123 18.599	7-24-70	2156 00	✓ 11-12-71	✓ 11-15-71	✓ 2-16-72	
FFD121	6001-6050	7-24-70	2156 19.413	7-28-70	0828 00	✓ 11-15-71	✓ 11-16-71		
FFD122	6051-6100	7-28-70	0828 54.986	7-31-70	1901 00	✓ 11-15-71	✓ 11-16-71	no data	
FFD123	6101-6150	7-31-70	1901 11.743	8-4-70	0533 00	✓ 11-15-71	✓ 11-16-71		
FFD124	6151-6200	8-4-70	0533 13.428	8-7-70	1605 00	✓ 11-16-71	✓ 11-17-71		
FFD125	6201-6250	8-7-70	1605 07.107	8-11-70	0236 00	✓ 11-16-71	✓ 11-17-71		
FFD126	6251-6300	8-11-70	0236 54.898	8-14-70	1308 00	✓ 11-19-71	✓ 11-22-71		
FFD127	6301-6350	8-14-70	1308 39.246	8-17-70	2340 00	✓ 11-18-71	✓ 11-19-71		
FFD128	6351-6400	8-17-70	2340 18.254	8-21-70	1011 00	✓ 12-4-71	✓ 12-6-71		
FFD129	6401-6450	8-21-70	1011 46.160	8-24-70	2043 00	✓ 11-18-71	✓ 11-19-71		
FFD130	6451-6500	8-24-70	2043 08.748	8-28-70	0714 00	✓ 11-18-71	✓ 11-19-71		
FFD131	6501-6550	8-28-70	0714 24.576	8-31-70	1745 00	✓ 12-11-71	✓ 12-17-71		
FFD132	6551-6600	8-31-70	1745 32.303	9-4-70	0416 00	✓ 12-14-71	✓ 12-17-71		
FFD133	6601-6650	9-4-70	0416 28.458	9-7-70	1447 00	✓ 12-11-71	✓ 12-15-71		
FFD134	6651-6700	9-7-70	1447 11.436	9-11-70	0117 00	✓ 12-11-71	✓ 12-15-71		
FFD135	6701-6750	9-11-70	0117 39.766	9-14-70	1147 00	✓ 12-13-71	✓ 12-17-71		
FFD136	6751-6800	9-14-70	1147 52.914	9-17-70	2217 00	✓ 12-13-71	✓ 12-17-71		
FFD137	6801-6850	9-17-70	2217 49.763	9-21-70	0847 00	✓ 12-14-71	✓ 12-22-71		
FFD138	6851-6900	9-21-70	0847 30.186	9-24-70	1916 00	✓ 12-15-71	✓ 12-22-71		
FFD139	6901-6950	9-24-70	1916 51.213	9-28-70	0545 00	✓ 12-6-71	✓ 12-10-71		
FFD140	6951-7000	9-28-70	0545 51.881	10-1-70	1614 00	✓ 12-6-71	✓ 12-10-71		
FFD141	7001-7050	10-1-70	1614 31.365	10-5-70	0242 00	✓ 12-14-71	✓ 12-17-71		
FFD142	7051-7100	10-5-70	0242 50.643	10-8-70	1310 00	✓ 12-18-71	✓ 12-17-71		
FFD143	7101-7150	10-8-70	1310 51.045	10-11-70	2338 00	✓ 12-21-71	✓ 12-30-71		
FFD144	7151-7200	10-11-70	2338 34.822	10-15-70	1005 00	✓ 12-16-71	✓ 12-30-71		
FFD145	7201-7250	10-15-70	1005 58.575	10-18-70	2033 00	✓ 12-19-71	✓ 1-12-72		
FFD146	7251-7300	10-18-70	2033 01.467	10-22-70	0659 00	✓ 12-24-71	✓ 1-12-72		
FFD147	7301-7350	10-22-70	0659 40.667	10-25-70	1725 00	✓ 1-7-72			
FFD148	7351-7400	10-25-70	1725 57.652	10-29-70	0351 00	✓ 12-16-71			
FFD149	7401-7450	10-29-70	0351 55.360	11-1-70	1417 00	✓ 12-16-71	✓ 12-16-71		
FFD150	7451-7500	11-1-70	1417 32.281	11-5-70	0042 00	✓ 12-15-71	✓ 12-16-71		



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FFD151	7501-7550	11-5-70	0642 49.361	11-8-70	1107 00	✓ 12-22-71	✓ 1-6-72		
FFD152	7551-7600	11-8-70	1107 43.538	11-11-70	2132 00	✓ 12-30-71	✓ 1-6-72		
FFD153	7601-7650	11-11-70	2132 11.589	11-15-70	0756 00	✓ 12-24-71	✓ 1-12-72		
FFD154	7651-7700	11-15-70	0752 13.253	11-18-70	1819 00	✓ 12-24-71	✓ 1-12-72		
FFD155	7701-7750	11-18-70	1819 47.961	11-22-70	0442 00	✓ 1-5-72	✓ 1-12-72		
FFD156	7751-7800	11-22-70	0442 57.396	11-25-70	1505 00	✓ 1-5-72	✓ 1-12-72		
FFD157	7801-7850	11-25-70	1505 41.290	11-29-70	0128 00	✓ 1-5-72	✓ 1-15-72		
FFD158	7851-7900	11-29-70	0128 09.742	12-2-70	1150 00	✓ 1-5-72	✓ 1-15-72		
FFD159	7901-7950	12-2-70	1150 09.832	12-5-70	2211 00	✓ 1-11-72			
FFD160	7951-8000	12-5-70	2211 58.208	12-9-70	0833 00	✓ 1-7-72			
FFD161	8001-8050	12-9-70	0833 29.490	12-12-70	1854 00	✓ 1-7-72	✓ 1-31-72		
FFD162	8051-8100	12-12-70	1854 44.599	12-16-70	051500	✓ 1-8-72	✓ 1-31-72		
FFD163	8101-8150	12-16-70	0515 44.108	12-19-70	1536 00	✓ 1-7-72			
FFD164	8151-8200	12-19-70	1536 30.992	12-23-70	0157 00	✓ 1-7-72			
FFD165	8201-8250	12-23-70	0157 05.741	12-26-70	1217 00	✓ 1-11-72	✓ 1-31-72		
FFD166	8251-8300	12-26-70	1217 29.974	12-29-70	2237 00	✓ 1-11-72	✓ 1-31-72		
FFD167	8301-8350	12-29-70	2337 44.241	1-2-71	0857 00	✓ 1-25-72			
FFD168	8351-8400	1-2-71	0857 48.225	1-5-71	1917 00	✓ 1-11-72			
FFD169	8401-8450	1-5-71	1917 41.355	1-9-71	0637 00	✓ 1-15-72	✓ 2-1-72		
FFD170	8451-8500	1-9-71	0537 23.763	1-12-71	1556 00	✓ 1-15-72	✓ 2-1-72		
FFD171	8501-8550	1-12-71	1556 56.839	1-16-71	0216 00	✓ 1-15-72			
FFD172	8551-8600								
FFD173	8601-8650								
FFD174	8651-8700	1-22-71	2254 14.475	1-26-71	0912 00	✓ 1-15-72			
FFD175	8701-8750	1-26-71	0912 49.170	1-29-71	1931 00	✓ 1-15-72			
FFD176	8751-8800								
FFD177	8801-8850	2-2-71	0548 57.119	2-5-71	1606 00	✓ 1-27-72			
8									
9									
FFD180									
1									
2									
3									
4									
5									
6									
7									
8									
9									
FFD190									
1									
2									
3									
4									
5									
6									
7									
8									
9									
FFD200									

no data



	Rows	start	end	conv	Ap	Merge	Comments
FFD201	10001-10050						
	2 10051-10100						
	3 10101-10150						
	4 10151-10200						
	5 10201-10250						
	6 10251-10300						
	7 10301-10350						
	8 10351-10400						
	9 10401-10450						
FFD210	10451-10500						
	1 10501-10550						
	2 10551-10600						
	3 10601-10650						
	4 10651-10700						
	5 10701-10750						
	6 10751-10800						
	7 10801-10850						
	8 10851-10900						
	9 10901-10950						
FFD220	10951-11000						

## EXPERIMENT 13, OGO-6, Merged Tape Description

The final merged tapes for this experiment each contain 50 orbits of experimental data and selected attitude/orbit information. The tapes are written at 556 bpi, 7 track, odd parity and were produced on a CDC 6400 computer system. All words are 60 bits long in CDC 6000 format for numerical information and in CDC 6000 display code for BCD information.

Each tape contains 50 files of information consisting of 1 25-word orbit information record, 1 80-word attitude/orbit data record containing parameters for start of orbit (ascending node) and approximately 100 200-word records each containing 80 words of attitude/orbit data at one minute intervals and 120 words of experimental data at one second intervals. A 5 word label record precedes the first orbit. Two ends-of-file indicate the end of information on a tape.

The experimental data is not calibrated, but is stored in data number form. Calibration is applied at the time of data display so that problems normally resulting from calibration refinements are simplified. Digitized calibration curves are available for use upon request.

The detailed contents of each record are described below:

A. Label record - 5 60-bit words

word 1 BCD Tape Number i.e. FFDNNNbbb

2 Integer Orbit Number of first orbit on tape

3 Integer flag

- should always be 50

4 Integer flag

- should always be 1

5 BCD Identification

- OGO-FbbF13

\*Lower case b indicates a BCD blank.

B. Orbit Information record - 25 60-bit words

	Integer
word 1 Orbit Number	"
2,3 Day No. & msec of day, orbit start	"
4,5 Day No. & msec of day, orbit end	"
6,7 Day No. & msec of day, eclipse start	"
8,9 Day No. & msec of day, eclipse end	"
10,11 Day No. & msec of day, noon turn	"
12,13 Day No. & msec of day, epoch	"
14 Semimajor axis a (earth radii)	Real
15 Eccentricity e	"
16 Inclination i (degrees)	"
17 Longitude of ascending node $\Omega$ (degrees)	"
18 Argument of perigee $\omega$ (degrees)	"
19 Period (minutes)	"
20 $\dot{\Omega}$ (degrees/day)	"
21 $\dot{\omega}$ (degrees/day)	"
22 $\dot{T}$ (minutes/day)	"
23-25 Spares	

C. Attitude/orbit data record - 80 60-bit words

	Integer
word 1,2 Day No. & msec of day for this record	
3,5 Local time at subsatellite point (hr, min, sec)	"

word	Description	Integer
6,7	No data/Suspect data flags	Integer
8-10	Position vector $x, y, z$ (kilometers)	Real
11	Radial distance $r$ (kilometers)	"
12-14	Velocity vector $\dot{x}, \dot{y}, \dot{z}$ (km/sec)	"
15	Speed $v$ (km/sec)	"
16-18	Solar vector $x_s, y_s, z_s$ (kilometers)	"
19	Solar distance $r_s$ (kilometers)	"
20,21	Latitude & Longitude of subsatellite point (degrees)	"
22	Height above geoid $h$ (kilometers)	"
23,24	Right ascension & declination of satellite (degrees)	"
25,26	Right ascension & declination of field of view (degrees)	"
27	Sun-earth-satellite angle (degrees)	"
28	Solar zenith angle - subsatellite point (degrees)	"
29	Solar zenith angle - at satellite (degrees)	"
30	True anomaly (degrees)	"
31-33	Roll axis components in GEI coords	"
34-36	Pitch axis components in GEI coords	"
37-39	Yaw axis components in GEI coords	"
40	Array angle (degrees)	"
41	OPEP angle (degrees)	"
42	Magnetic range (earth radii)	"
43	Magnetic latitude (degrees)	"
44	McIlwain parameter (earth radii)	"
45	Field strength (gamma)	"
46	Field strength ratio to equatorial	"
47,48	Latitude & longitude of mag line ingress (degrees)	"

word 49,50	Latitude & longitude of mag line egress (degrees)	Real
51-53	Magnetic line unit vector in GEI coords	"
54-56	Magnetic line unit vector in body coords	"
57-59	$\hat{B}\hat{B}\hat{G}$ vector	"
60-68	GEI to GSE transformation matrix	"
69-77	GEI to GSM transformation matrix	"
78	Attitude data flag	"
79,80	Spares	

More complete descriptions of the parameters are available in the Data Processing Plan for OGO-E.

D. Merged data records - 200 60-bit words

Words 1-80 are exactly as those detailed in C above with each record now corresponding to times occurring on even minutes and at 1 minute intervals.

Words 81-140 contain channel A data words

Words 141-200 contain channel B data words

The experimental data consists of packed words containing the integer day number in the high 12 bits, integer seconds of day in the next 24 bits and the experimental reading in the low 12 bits. The range of data is 0-255 in data numbers (0-377<sub>8</sub>) with 4000<sub>8</sub> used to indicate lack of data. The first word of the group of 60 corresponds to the time given in words 1 and 2 of the record and each succeeding word at 1 second time intervals.

R. P. Headley  
7-15-71



