

Data Set Catalog #123
OGO-5 Search Coil Magnetometer

68-014A-16B

SPHE-00473

Table of Contents

1. Introduction
2. Errata/Change Log
3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM
4. Catalog Materials
 - a. Associated Documents
 - b. Core Catalog Materials

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

SEARCH COIL DATA

68-014A-16B

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 45 9-TRACK, 1600 BPI TAPES, WRITTEN IN EBCDIC. TWO TAPES WERE RELEASED BEFORE RESTORATION OF THIS DATA SET, THEY ARE: D011448 AND D011449. THERE ARE 11 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 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR002595	DS002595	D006057	1-8	03/07/68 - 03/29/68
		D012328	9-11	03/16/68 - 10/16/69
		D006058	12-21	03/30/68 - 04/25/68
		D012330	22-31	04/25/68 - 05/21/68
		D012325	32-40	05/15/68 - 07/01/68
DR002596	DS002596	D012331	1-10	05/21/68 - 06/16/68
		D011451	11-20	07/12/68 - 08/07/68
		D012326	21-29	07/20/68 - 03/24/69
		D011452	30-38	08/07/68 - 08/30/68
DR002597	DS002597	D011453	1-9	09/02/68 - 09/28/68
		D011454	10-18	09/28/68 - 10/24/68
		D011455	19-28	10/24/68 - 11/19/68
		D011456	29-38	11/19/68 - 12/24/68
DR002598	DS002598	D011457	1-8	12/15/68 - 01/10/69
		D011458	9-16	01/11/69 - 01/30/69
		D011459	17-26	02/06/69 - 03/03/69
		D011460	27-34	03/03/69 - 03/27/69
		D011461	35-42	03/30/69 - 04/24/69
DR002599	DS002599	D012327	1-10	04/04/69 - 07/25/69
		D011462	11-19	04/26/69 - 05/20/69
		D011463	20-28	05/21/69 - 06/12/69
		D011464	29-36	06/16/69 - 07/11/69

68-014A-16B

DR#	DS#	D#	FILES	TIME SPAN
DR002600	DS002600	D011465	1-10	07/11/69 - 08/06/69
		D011466	11-18	08/12/69 - 09/01/69
		D011467	19-28	09/02/69 - 09/27/69
		D011468	29-36	09/27/69 - 10/23/69
DR002601	DS002601	D011469	1-8	10/23/69 - 11/13/69
		D011470	9-18	11/19/69 - 12/14/69
		D011471	19-28	12/15/69 - 12/31/69
		D011472	29-38	01/10/70 - 02/04/70
DR002602	DS002602	D011473	1-10	02/05/70 - 03/02/70
		D011474	11-20	03/03/70 - 03/28/70
		D011475	21-29	03/29/70 - 04/23/70
		D012329	30-37	03/31/70 - 11/17/70
DR002603	DS002603	D011476	1-7	04/24/70 - 05/19/70
		D011477	8-15	05/19/70 - 06/11/70
		D011478	16-25	06/14/70 - 07/10/70
		D011479	26-35	07/11/70 - 08/05/70
DR002604	DS002604	D011480	1-9	08/06/70 - 08/31/70
		D011481	10-19	09/01/70 - 09/27/70
		D011482	20-29	09/27/70 - 10/22/70
		D011483	30-37	10/23/70 - 11/12/70
DR002605	DS002605	D011484	1-10	11/18/70 - 12/23/70
		D011485	11-17	12/14/70 - 01/01/71
		D011450	18-26	06/16/68 - 07/12/68

<u>DO</u>	<u>C#</u>	<u>ORBITS</u>	<u>FILES</u>	<u>START</u>	<u>STOP</u>
* D-11467	C-09810	211-220	10	9/02/69	9/27/69
D-11468	C-09811	221-223, 225-226, 228-230	8	9/27/69	10/23/69
** D-11469	C-09812	231-238	10	10/23/69	11/13/69
D-11470	C-09813	241-250	10	11/19/69	12/14/69
D-11471	C-09814	251-260	10	12/15/69	12/31/69
D-11472	C-09815	261-270	10	1/10/70	2/04/70
D-11473	C-09816	271-280	10	2/05/70	3/02/70
D-11474	C-09817	281-290	10	3/03/70	3/28/70
D-11475	C-09818	291, 293-300	9	3/29/70	4/23/70
D-11476	C-09819	301, 305-310	7	4/24/70	5/19/70
D-11477	C-09820	311-314, 316-319	8	5/19/70	6/11/70
D-11478	C-09821	321-330	10	6/14/70	7/10/70
D-11479	C-09822	331-340	10	7/11/70	8/05/70
D-11480	C-09823	341-346, 348-350	9	8/06/70	8/31/70
D-11481	C-09824	351-360	10	9/01/70	9/27/70
D-11482	C-09825	361-370	10	9/27/70	10/22/70
D-11483	C-09826	371-378	8	10/23/70	11/12/70
D-11484	C-09827	381-390	10	11/18/70	12/13/70
D-11485	C-09828	391-397	7	12/14/70	1/01/71
D-12325	C-09829	28-29, 36-39, 41, 44, 46	9	5/15/68	7/01/68
D-12326	C-09830	54, 72, 83, 114, 117, 129-130, 141, 145	9	7/20/68	3/24/69
D-12327	C-09831	153-154, 166, 175, 184-185, 193-196	10	4/04/69	7/25/69
D-12328	C-09832	201-202, 224, 227, 2	5	3/06/68	10/16/69
D-12329	C-09833	292, 302-304, 320, 347, 379-380	8	3/31/70	11/12/70
D-12330	C-09834	21-30	10	4/25/68	5/21/68
D-12331	C-09835	31-40	10	5/21/68	6/16/68

* First 14 records of orbit 211 (file 1) is garbage.
 ** Has E.J.F.'s as first two files, then orbit 231, which has no header record.

PRELIMINARY FORMAT FOR 68-014A-16B

RECORD	CHARACTERS	DESCRIPTION
1	1-420	Header information, satellite, orbit no., experiment no., title of experiment, followed by the format of the tape.
2	1-420	Continuation of the format of the tape.
3	1-3	Day
	4-6	Spectrum Frequency Status
	7-9	Waveform and Spectrum Gain
	10-12	Bandwidth and IFC
	13-15	Power and SOD Status
	16-18	Widebands X
	19-21	Y
	22-24	Z
	25-30	Time 1
	31-33	Spectrum Channels X10
	34-36	X22
	37-39	X47
	40-42	X100
	43-45	X210
	46-48	X467
	49-51	X1000
	52-54	Y10
	55-57	Y22
	58-60	Y47
	61-63	Y100
	64-66	Y210
	67-69	Y467
	70-72	Y1000
	73-75	Z10
	76-78	Z22
	79-81	Z47
	82-84	Z100
	85-87	Z210
	88-90	Z467
	91-93	Z1000
	94-96	Waveform Bands .03 to .1 X
	97-99	Y
	100-102	Z
	103-105	.1 to .3 X
	106-108	Y
	109-111	Z
	112-114	.3 to .1 X
	115-117	Y
	118-120	Z
	121-123	Bad Point Counter
	124-126	Time 2
		Repeat Spectrum Channels, Waveform Bands, and the Bad Point Counter for Time 2, Time 3, and Time 4.

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68-0147-163

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SANTA BARBARA • SANTA CRUZ

UCLA, INSTITUTE OF GEOPHYSICS AND PLANETARY PHYSICS
LOS ANGELES, CALIFORNIA 90024

April 23, 1971

Mr. Donald Hei
Goddard Space Flight Center
Code 601
Greenbelt, Maryland 20771

Dear Don,

Enclosed are the first two compressed data tapes for the OGO-5 search coil magnetometer experiment (E16). These are 9-track multiple file-EBCDIC tapes with 420 character records and were recorded at 800 bpi. The first two records of each file describe the format for the tapes. More detailed descriptions will be included in the search coil magnetometer data processing report to be completed this summer.

Sincerely,

Joseph D. Means

Joseph D. Means

JDM:d1
Enclosures

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SANTA BARBARA • SANTA CRUZ

UCLA SPACE SCIENCE CENTER
INSTITUTE OF GEOPHYSICS AND PLANETARY PHYSICS
LOS ANGELES, CALIFORNIA 90024

February 15, 1973

Mr. Donald Hei
Goddard Space Flight Center
Code 601
Greenbelt, Maryland 20771

Dear Don,

We are finally sending the rest of the OGO-5 search coil magnetometer digital compressed data tapes. These tapes are contained in four boxes (sent separately) and are summarized in the attached table. The data indices, which you already have, contain more detailed information about the contents of each tape. We are trying to recover some of the missing orbits and will send supplemental data tapes shortly. The microfilm for orbits 100-200 is still being processed. I will send this to you as soon as I receive it.

Enclosed are two copies of a block diagram description of the OGO-5 search coil magnetometer. This information should be added to previously supplied information concerning the experiment. It is especially useful in determining the expected response of the spectrum channels to various assumed spectra.

We are in the process of microfilming the OGO-6 compressed data plots for NSSDC. When this is completed we will provide copies of the microfilm and a brief descriptive document similar to that provided for OGO-5. We did not produce digital data tapes for this data. The resultant number of tapes would equal approximately half the number of original data tapes (~1000) and would have doubled the processing costs. If digital data is needed the original tapes should be used.

Hope to see you on the West Coast sometime soon.

Sincerely,
Joseph D. Means
Joseph D. Means

JDM:d1
Enclosures

SEARCH COIL MAGNETOMETER
 COMPRESSED DATA TAPES
 (Each orbit is one file on tape.)

<u>BOX #1</u>	<u>BOX #2</u>	<u>BOX #3</u>	<u>BOX #4</u>
Orbits	Orbits	Orbits	Orbits
21, 22, 27, 24, 25, 26, 28, 29, 30 27-30	101-110	203-210	301, 305-310
31, 32, 37, 34, 35, 36, 38	111-113	211-220	311-314, 316, 319
42-50	115-116	221-223, 225, 226, 228-230	321-330
51-60	one tape { 118-120 (no data on 118, 119)	231-240	331-340
61-69		241-250	341-346, 348-350
71-80	121-128	251-260	351-360
81, 82, 84-90	131-140	261-270	361-370
91-100	141-149, 142-147, 149, 150	271-280	371-378
	151, 152, 155- 160	281-290	381-390
	161-165, 167- 170	291, 293-300	391-397
	171-179		
	171-174, 176- 180		
	181-183, 186- 190		
	191, 200		

060-5
(EXPERIMENT 16)
SEARCH COIL MAGNETOMETER
BLOCK DIAGRAM
AND
TRANSFER FUNCTIONS

by

Joseph D. Means