Data Set Catalog #123

OGO-5 Search Coil Magnetometer

D#	C#	ORBITS	FILES	START	STOP
* 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, 141,148	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.O.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 SCO 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 Time4.

68-0149-163

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MAY 6 1971

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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:dl
Enclosures

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO 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:dl
Enclosures

SEARCH COIL MAGNETOMETER

COMPRESSED DATA TAPES

(Each orbit is one file on tape.)

BOX #1	BOX #2	BOX #3	BOX #4
Orbits	Orbits	Orbits	Orbits
21,22,27,24,25,26,28,29,30 ~~21-30~~	101-110	203-210	301,305-310
31,32,33,34,35,36,38 ~~31-40~~	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	121-128	241-250	341-346,348-350
71-80	131-140	251-260	351-360
81,82,84-90	141-149, 149 ~~142-147,149,150~~	261-270	361-370
91-100	151,152,155-160	271-280	371-378
	161-165,167-170	281-290	381-390
	171-179 ~~171-174,176-180~~	291,293-300	391-397
	181-183,186-190		
	191,200		

OGO-5

(EXPERIMENT 16)

SEARCH COIL MAGNETOMETER

BLOCK DIAGRAM

AND

TRANSFER FUNCTIONS

by

Joseph D. Means