

#271

OGO-5

CORRECTED FLUX FOR CHANNELS 1-5

68-014A-06D

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

OGO 5

L-SORTED ELECT FLUX, CHAN 1-5, TAPE

68-014A-06D

SPHE-00378

THIS DATA SET HAS BEEN RESTORED. THERE WAS ORIGINALLY ONE 7-TRACK, 556 BPI TAPE WRITTEN IN BCD. THERE IS ONE RESTORED TAPE, WRITTEN IN ASCII. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 7094 COMPUTER AND THE RESTORED TAPE WAS CREATED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS A FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004826	DS004826	D014248	1	03/04/68 - 01/01/69

REQ. AGENT
VJP

RAND NO.
RC0347

ACQ. AGENT
MJT

OGO-5

CORRECTED FLUX FOR CHANNELS 1-5

68-014A-06D

ASCII

This data set consists of 1, 556 BPI, *ASCII* ~~BCD~~ tape that was produced
on the 7094 computer. The tape is 7-track and contains 1 file.

The data is ordered by L Value, therefore no time span is available.

D#

D-14248

C#

C-11360

OGO 5 Data Set (68-014A-06 NSSDC ID)

This data set represents Dr. H. West's final OGO 5 data set. It includes data for channels 1 through 5 only. All count rate corrections have been made and backgrounds have been subtracted. The default fluxes equivalent to zeroes (see card format) result from count rates of 0.1 cps.

The data set is ordered by L value and covers the range $2.4 \geq L/(\text{earth radii}) \geq 1.3$. Real field B/B0 values are given together with a variable called 'invariant latitude' by West. This is really a real field geomagnetic latitude related to B/B0 by the relation

$$\frac{B}{B0} = \frac{(4-3\cos^2 \lambda)^{\frac{1}{2}}}{\cos^6 \lambda}$$

Card format is as follows:

<u>Columns</u>	<u>Variable</u>	<u>Format</u>	<u>Comment</u>
1- 5	L value	F5.2	
7- 9	Day of 1968	I3	
11-12	Hour of day	I2	
13-14	Min of Hr.	I2	
16-17	Sec of min	I2	
19-23	Invariant latitude	F5.1	In degrees. Really is real field geomagnetic latitude
25-30	B/B0	F6.3	Real magnetic field ratio
31-39	Perp. Flux	E9.2	Units electrons/cm ² sec ster kev
	Channel 1		Flux of $\pm 5.55\text{E-}01$ is equivalent to zero.
40-48	Perp Flux	E9.2	Units electrons/cm ² sec ster kev
	Channel 2		Flux of $\pm 3.60\text{E-}01$ is equivalent to zero.
49-57	Perp Flux	E9.2	Units electrons/cm ² sec ster kev
	Channel 3		Flux of $\pm 2.56\text{E-}01$ is equivalent to zero.
58-66	Perp Flux	E9.2	Units electrons/cm ² sec ster kev
	Channel 4		Flux of $\pm 1.65\text{E-}01$ is equivalent to zero.
67-75	Perp Flux	E9.2	Units electrons/cm ² sec ster kev
	Channel 5		Flux of $\pm 2.26\text{E-}02$ is equivalent to zero.

1.30	69	1904	35	-1.5	1.003	7.37E04	5.54E04	2.64E04	5.51E03	3.40E02
1.30	74	2355	07	1.5	1.003	5.07E04	7.44E04	2.37E04	7.88E03	3.17E02
1.30	80	0430	50	-23.6	2.060	8.33E00	3.61E-01	2.56E-01	-1.65E-01	-2.26E-02
1.30	80	0442	20	10.8	1.172	1.90E04	2.15E04	2.16E04	2.66E03	2.15E02
1.30	85	0925	25	-25.1	2.254	1.11E00	3.61E-01	-2.56E-01	-1.65E-01	-2.26E-02
1.30	85	0934	22	1.5	1.003	1.67E04	4.60E04	2.51E04	5.51E03	3.40E02
1.30	90	1415	42	-23.1	2.000	1.61E01	6.32E00	3.59E-01	-1.65E-01	-2.26E-02
1.30	90	1423	05	-6.4	1.058	3.36E04	5.35E04	4.17E04	5.68E03	3.63E02
1.30	95	1908	00	-12.0	1.212	1.23E04	1.53E04	1.65E04	1.91E03	1.36E02
1.30	95	1909	05	-9.6	1.132	2.24E04	2.66E04	2.64E04	3.16E03	2.72E02
1.30	100	2359	55	6.7	1.063	4.21E04	3.67E04	3.47E04	4.67E03	3.63E02
1.30	111	0934	55	-19.0	1.607	2.00E02	4.51E01	4.62E00	1.65E-01	2.26E-02
1.30	111	0938	58	-9.4	1.128	4.78E04	3.67E04	1.97E04	4.00E03	3.63E02
1.30	132	0451	10	-16.5	1.434	3.00E03	1.81E03	2.83E03	1.32E02	2.26E01
1.30	132	0456	00	-3.3	1.015	5.64E04	5.16E04	4.03E04	5.01E03	4.99E02
1.30	179	0020	00	-10.1	1.149	5.64E04	5.54E04	2.10E04	4.33E03	3.40E02
1.30	179	0022	05	-4.4	1.027	9.69E04	8.60E04	2.92E04	6.02E03	4.76E02
1.35	69	1905	50	-0.9	1.001	1.15E05	9.77E04	4.45E04	1.11E04	8.19E02
1.35	74	2356	42	1.2	1.002	1.09E05	1.33E05	4.59E04	1.27E04	6.36E02
1.35	80	0430	00	-25.6	2.319	1.44E01	5.78E00	-2.56E-01	-1.65E-01	-2.26E-02
1.35	80	0443	10	13.0	1.255	4.16E04	5.16E04	3.75E04	5.51E03	3.17E02
1.35	85	0924	32	-27.7	2.661	1.11E00	3.61E-01	2.56E-01	1.65E-01	2.26E-02
1.35	85	0935	32	3.8	1.020	5.18E04	1.02E05	5.17E04	1.01E04	7.74E02
1.35	90	1414	30	-26.0	2.381	1.28E01	5.42E00	-2.56E-01	-1.65E-01	-2.26E-02
1.35	90	1424	45	-3.5	1.017	8.53E04	1.29E05	8.45E04	1.23E04	8.65E02
1.35	95	1905	00	-18.3	1.552	3.11E03	4.52E03	3.73E03	3.31E02	2.26E01
1.35	95	1912	15	-3.3	1.015	9.98E04	9.77E04	6.63E04	1.10E04	7.51E02
1.35	101	0001	40	8.3	1.098	9.11E04	7.06E04	6.33E04	9.59E03	7.96E02
1.35	111	0933	00	-23.8	2.085	3.61E01	1.01E01	2.56E-01	1.65E-01	-2.26E-02
1.35	111	0941	10	-4.0	1.022	1.26E05	8.60E04	5.46E04	1.08E04	8.42E02
1.35	116	1423	15	-19.0	1.609	2.78E03	1.88E03	1.46E03	2.65E02	1.06E01
1.35	116	1429	45	-6.6	1.061	1.15E05	8.60E04	4.03E04	8.91E03	7.96E02

REC	1. LENGTH	84
REC	2. LENGTH	84
REC	3. LENGTH	84
REC	4. LENGTH	84
REC	5. LENGTH	84
REC	6. LENGTH	84
REC	7. LENGTH	84
REC	8. LENGTH	84
REC	9. LENGTH	84
REC	10. LENGTH	84
REC	11. LENGTH	84
REC	12. LENGTH	84
REC	13. LENGTH	84
REC	14. LENGTH	84
REC	15. LENGTH	84
REC	16. LENGTH	84
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REC	27. LENGTH	84
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REC	29. LENGTH	84
REC	30. LENGTH	84
REC	31. LENGTH	84
REC	32. LENGTH	84