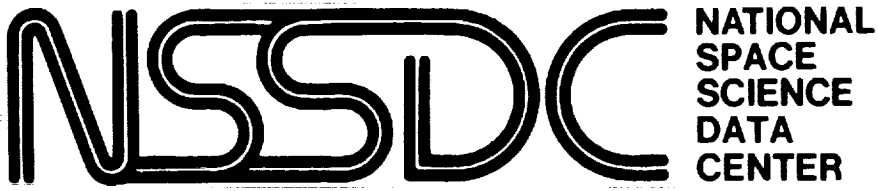


11-90-TM

32984

p. 566



WORLD DATA CENTER A for ROCKETS AND SATELLITES

91-03

# 1983 TAIL-ERA DATA SERIES VOLUME 3

## Geosynchronous Particle Measurements

(NASA-TM-105038) THE 1983 TAIL-ERA DATA  
SERIES. VOLUME 3: GEOSYNCHRONOUS PARTICLE  
MEASUREMENTS (NASA) 566 p C5CL 03B

N91-31045

Unclas  
G3/90 0032984



Goddard Space Flight Center

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# **1983 TAIL-ERA DATA SERIES**

## **VOLUME 3**

### **Geosynchronous Particle Measurements**

**January 1991**

**Prepared by**

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Lab. for Extraterrestrial Physics, NASA Goddard Space Flight Center  
and**

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Los Alamos National Laboratory, Los Alamos, New Mexico**





## Foreword

This is the third in a series of volumes covering the period when the ISEE 3 spacecraft was within and near the earth's magnetic tail. Since measurements in the distant magnetotail are known to be influenced by geomagnetic activity at earth (e.g., Baker et al., JGR p 3855, 1984; Slavin et al., GRL p 657, 1984), it was deemed worthwhile to print this book of geosynchronous particle measurements for comparison with same-scale plots of ISEE 3 plasma and field data available in volumes 1 and 2 of this series.

Shown for each day are electron and proton fluxes measured with the low-energy-range electron (LoE) and the low-energy-range proton (LoP) detectors of the Los Alamos Charged Particle Analyzer (CPA). This instrument has flown aboard several geosynchronous orbit satellites, including the three spacecraft (S/C) from which the data presented here were obtained: S/C 1977-007 located near 68° E longitude, S/C 1981-025 located near 226° E longitude, and S/C 1982-019 located near 290° E longitude. All three S/C remained within a few degrees of these positions throughout the interval. The orbit plane of S/C 1977-007 was inclined ~4.5° with respect to the geographic equator; S/C 1981-025, ~0.5°; and S/C 1982-019, ~1.0°.

Each S/C rotates with a nominal 10.2 sec period about an axis that points radially inward toward the center of the Earth. The data presented here are five minute averages (involving approximately 1200 individual measurements) of the integral flux in each of several energy channels. LoE fluxes are spin averages from five look directions relative to the spin axis (5x1200 individual measurements), while the LoP fluxes are spin averages from a single look direction perpendicular to the spin axis. Each LoE passband is defined by an upper cutoff and a threshold level. The LoE passband plotted for all three S/C are given in the following table.

<u>LoE Channel</u>	<u>Threshold</u>
E1	30 keV
E2	45 keV
E3	65 keV
E4	95 keV
E5	140 keV
E6	200 keV
upper cutoff	300 keV

Each LoP passband is defined by an upper cutoff and a threshold level. The LoP passbands plotted for the three S/C are given in the following table.

<u>LoP Channel</u>	<u>1977-007 Threshold</u>	<u>1981-025 Threshold</u>	<u>1982-019 Threshold</u>
P1	147 keV	107 keV	95 keV
P3	170 keV	157 keV	130 keV
P5	220 keV	236 keV	195 keV
P7	295 keV	340 keV	255 keV
P9	405 keV	500 keV	380 keV
upper cutoff	580 keV	750 keV	600 keV

(For more information about the CPA instrument see Higbie, P. R., et al., "High-resolution particle measurements at 6.6 RE: 1. Electron micropulsations," J. Geophys. Res. 83, 4851 [1978]; Baker, D. N., et al., "Los Alamos Energetic Particle System at Geostationary Orbit," AIAA 85-0243 [1985].)

Universal time is indicated along the bottom of each graph; local time for each S/C is indicated along the top of the corresponding panel.

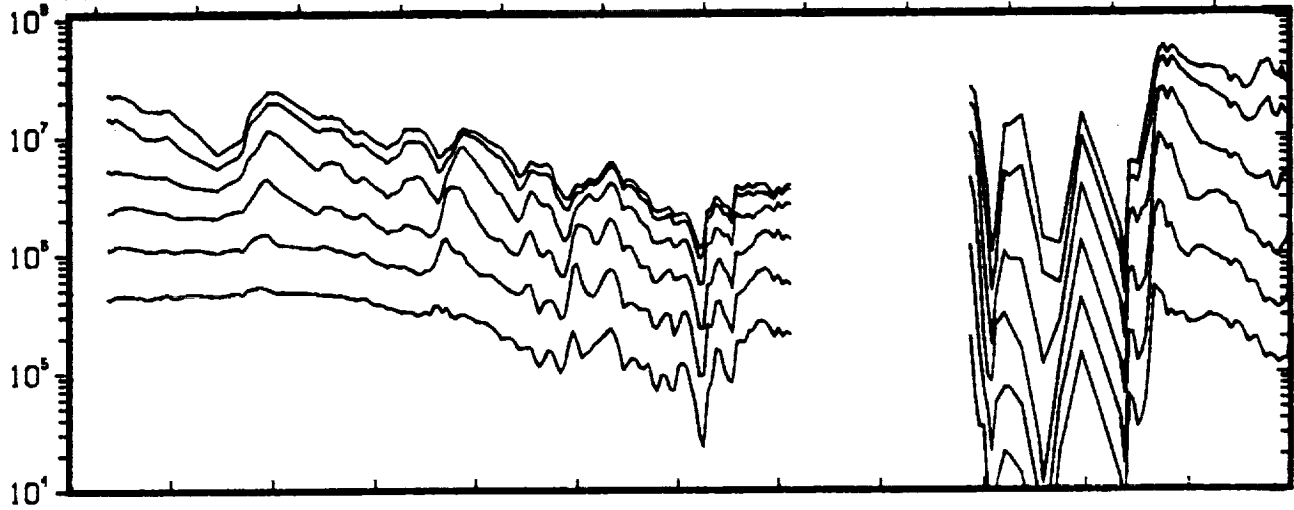
Special Thanks go to Ms. Karla Sofaly and Ms. Cindy Baca for developing the computer routines necessary to produce these plots. The plots were prepared under the auspices of the U. S. Department of Energy.

# LOW ENERGY ELECTRONS

1977-007

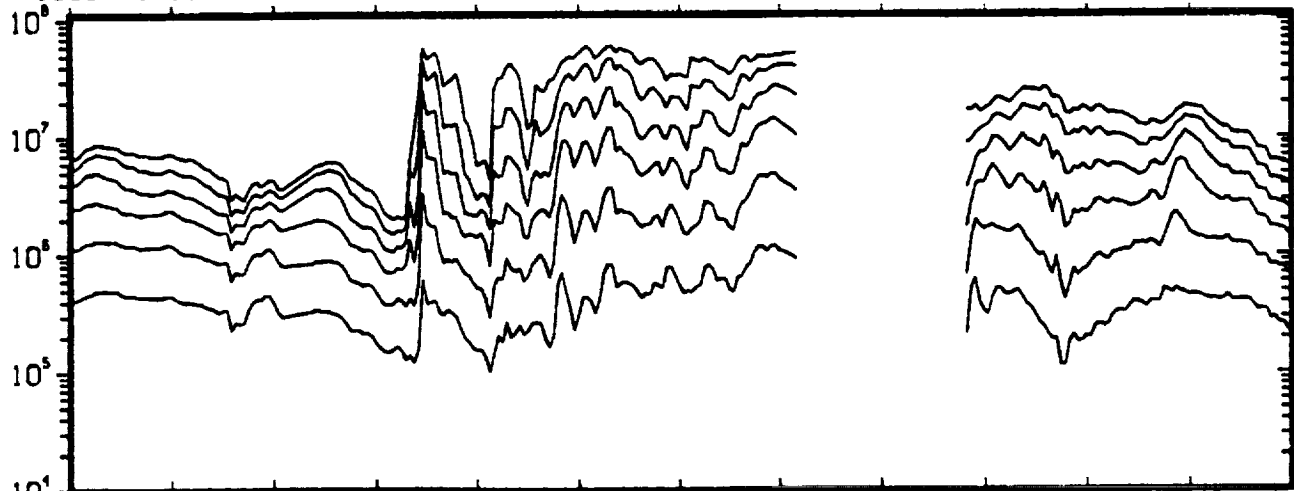
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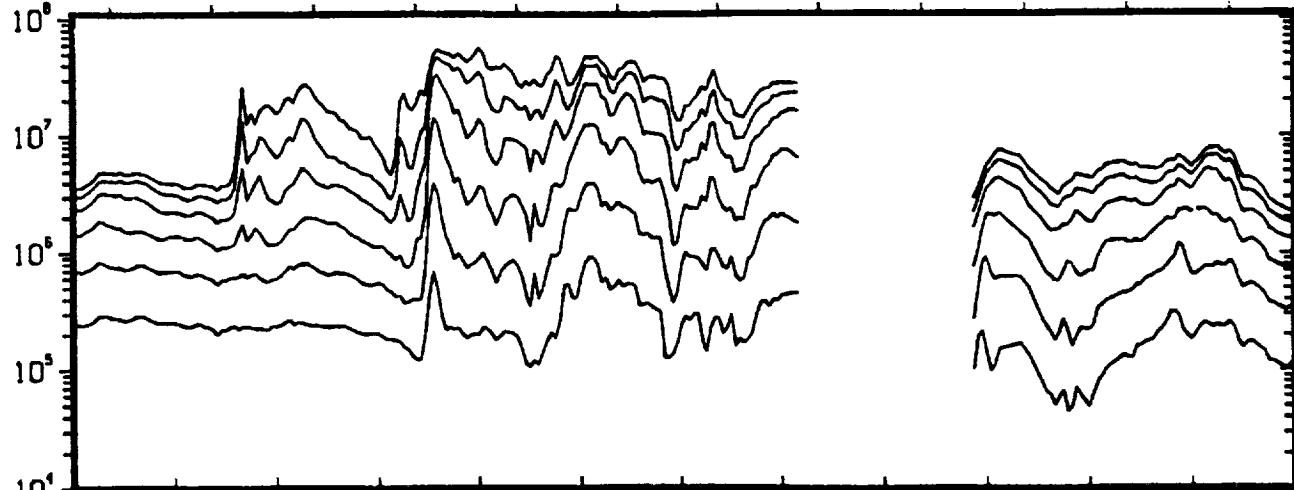
1981-025

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1982-019

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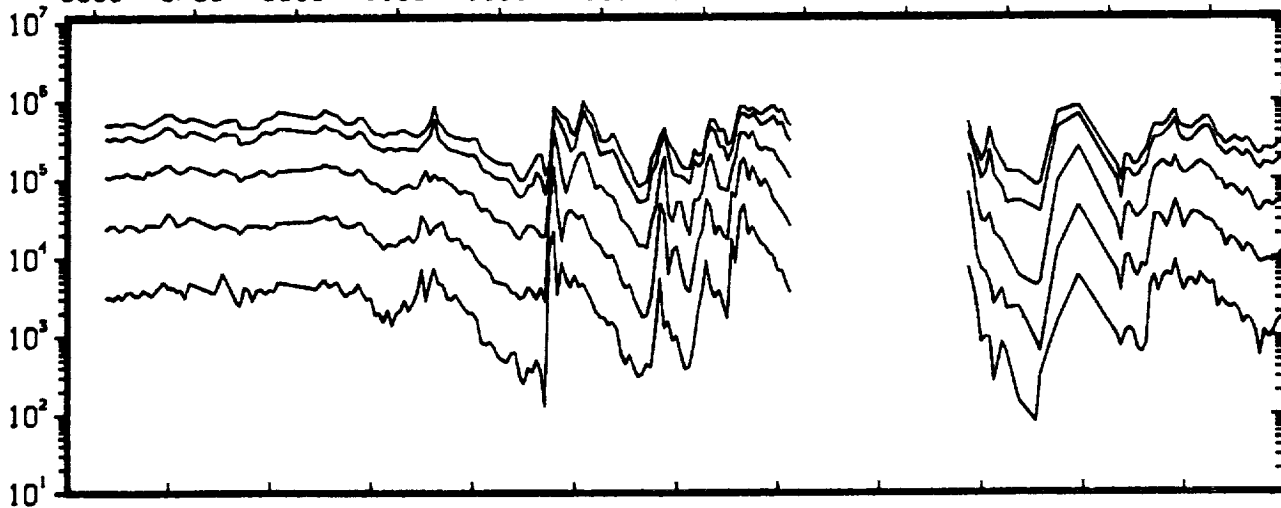


# LOW ENERGY IONS

1977-007

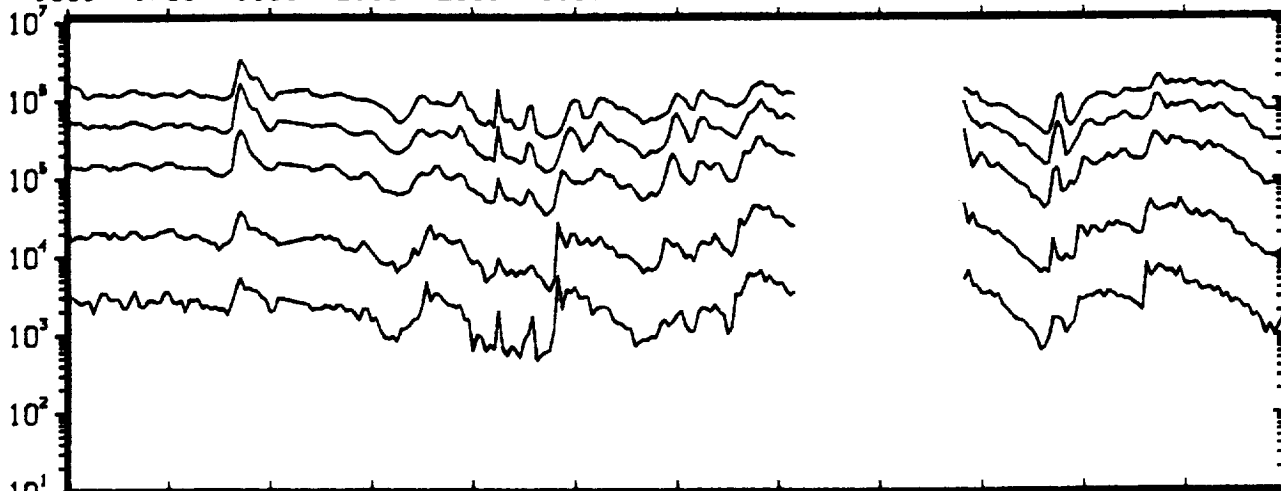
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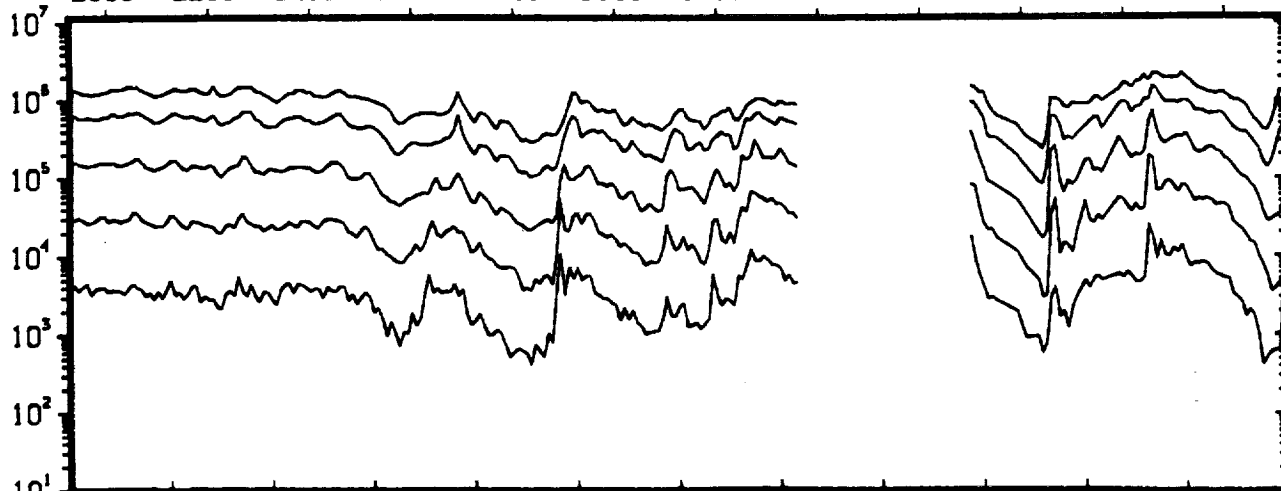
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1982-019

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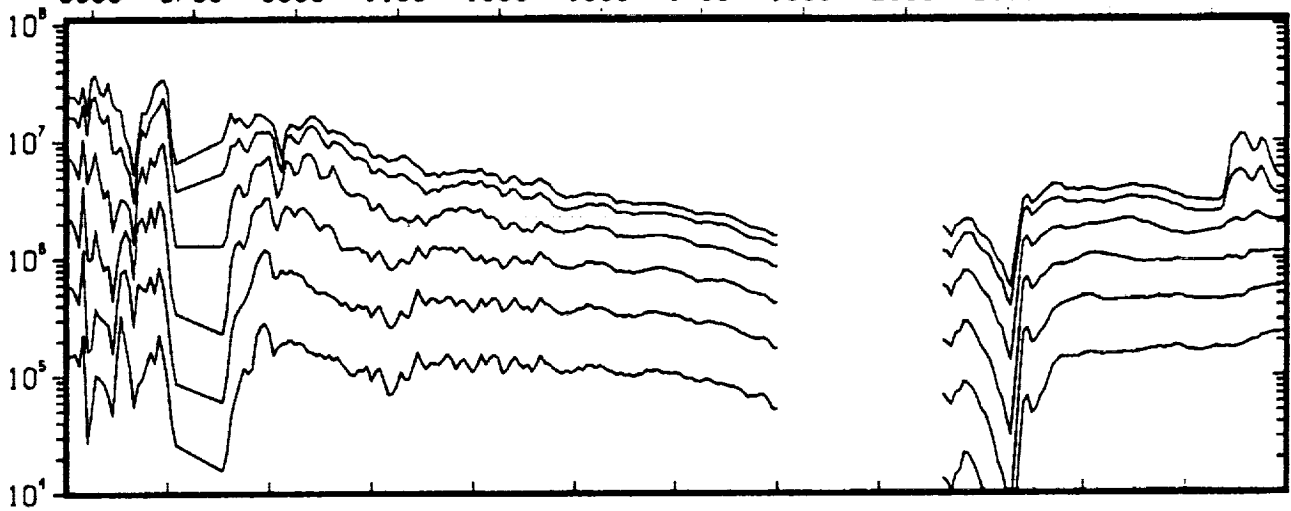
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# LOW ENERGY ELECTRONS

1977-007

82/12/22

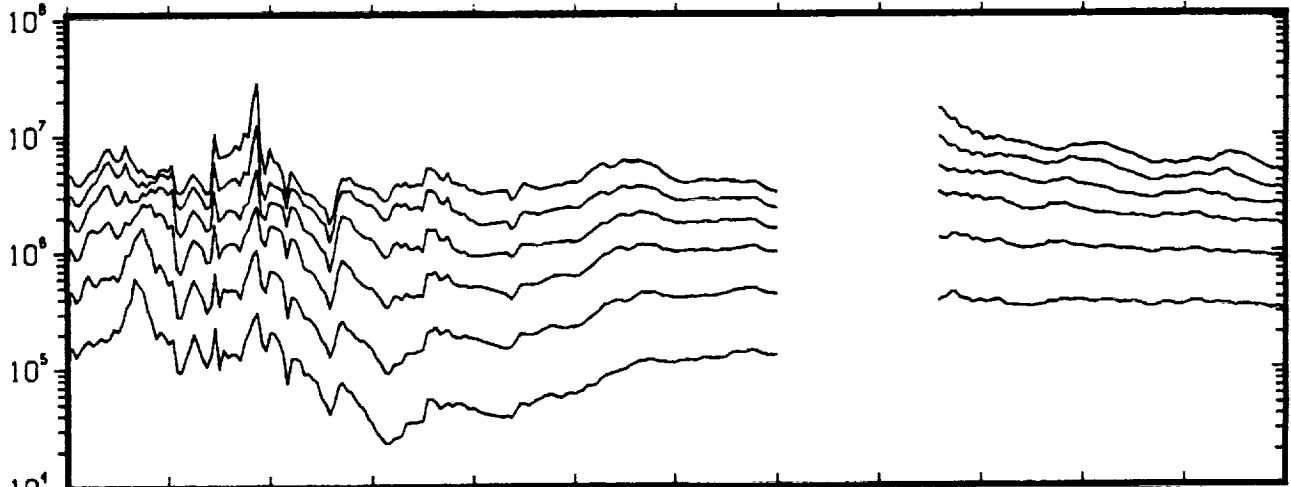
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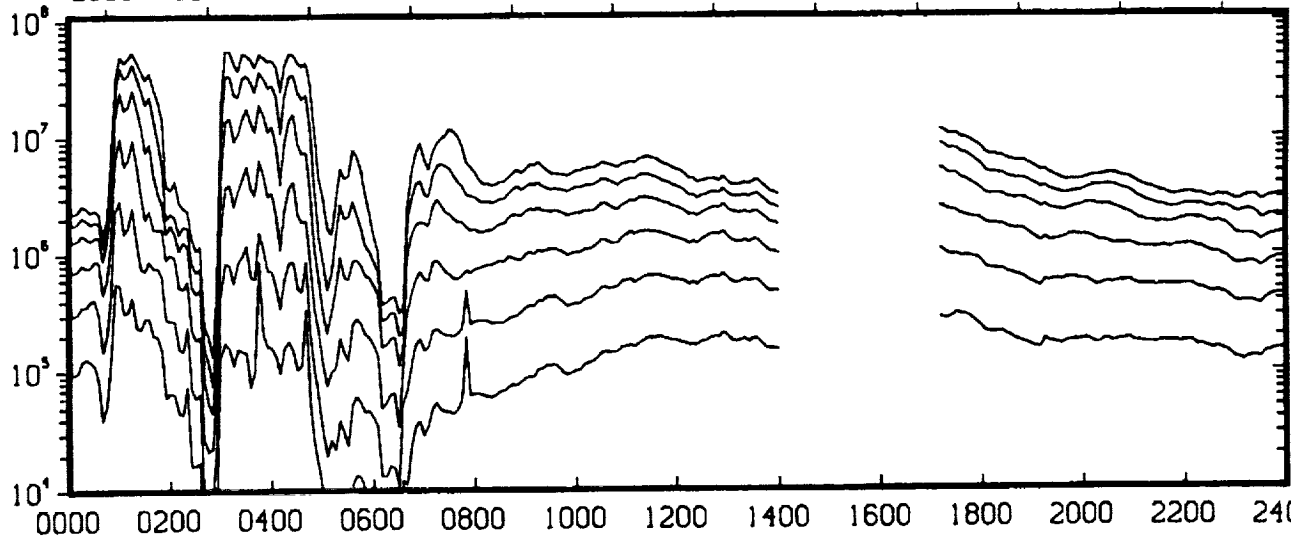
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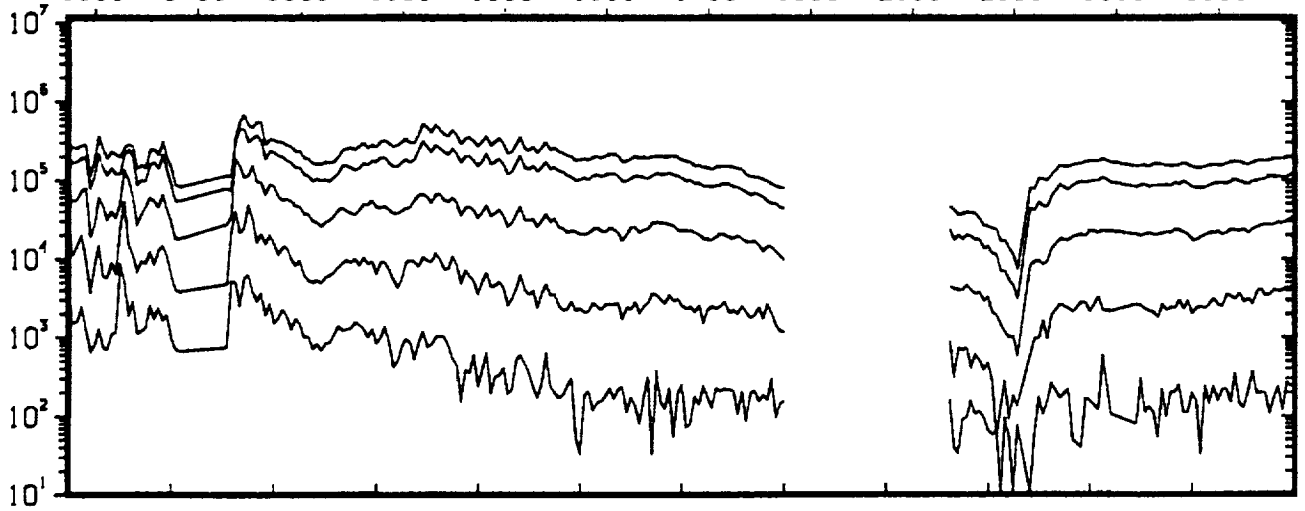
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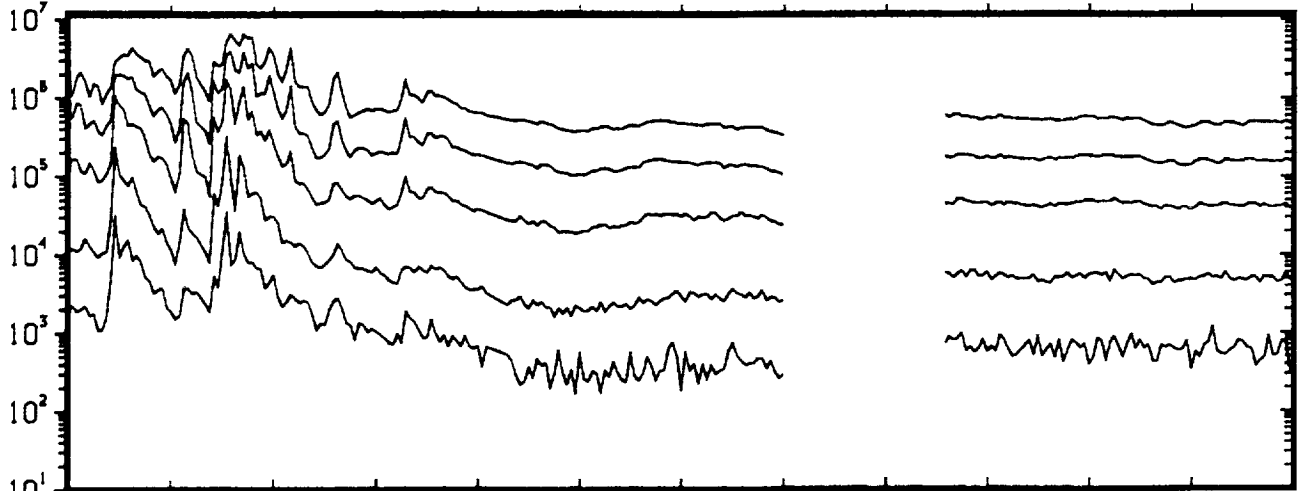
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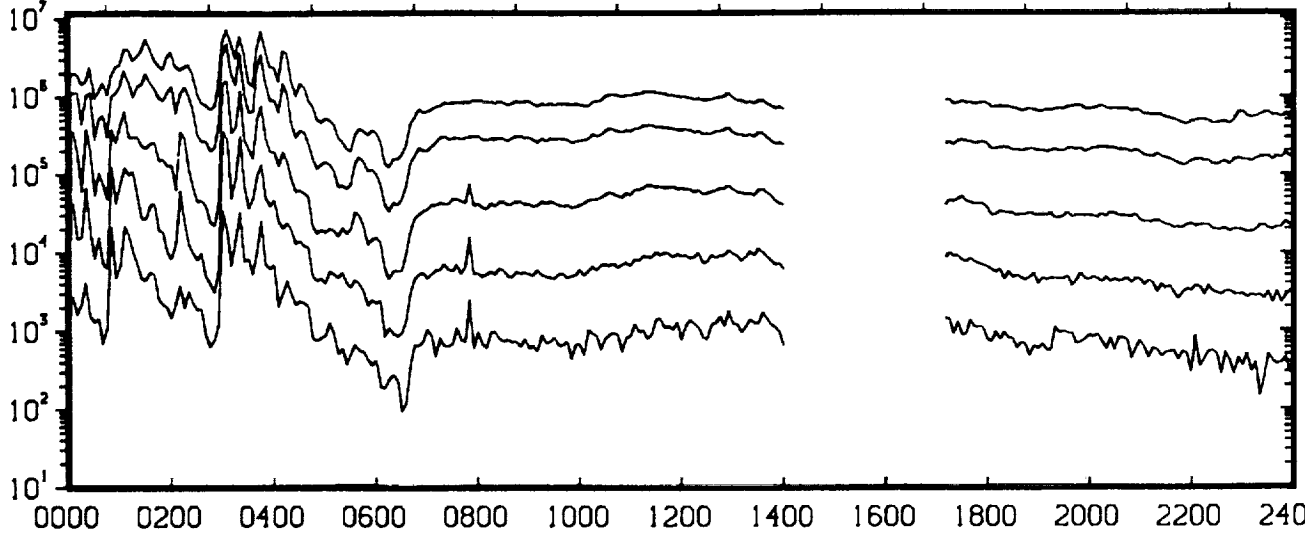


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

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1982-019  
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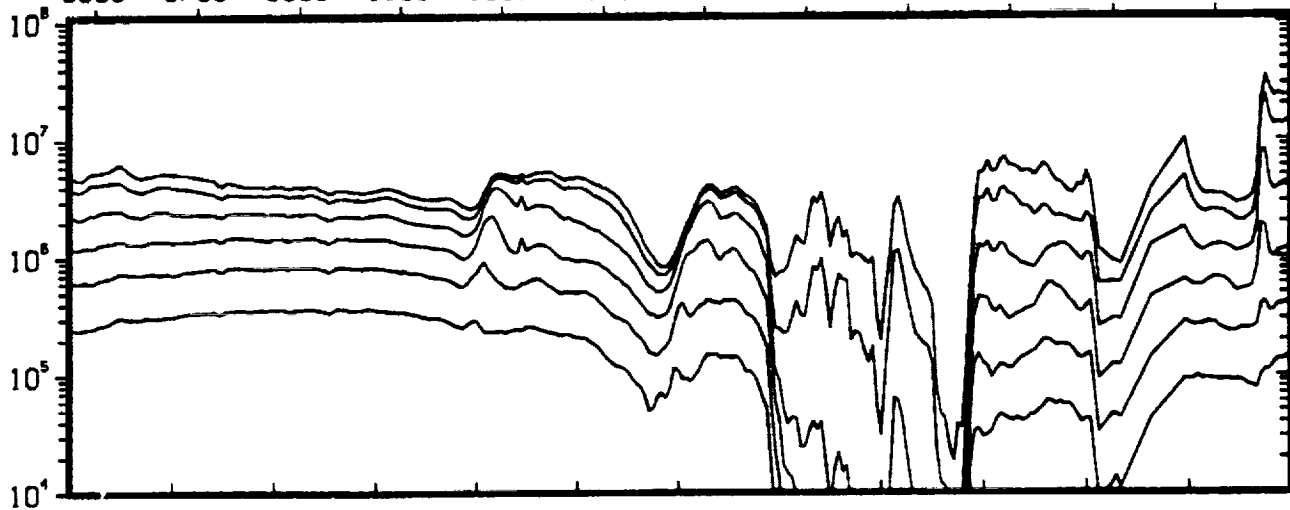


# LOW ENERGY ELECTRONS

1977-007

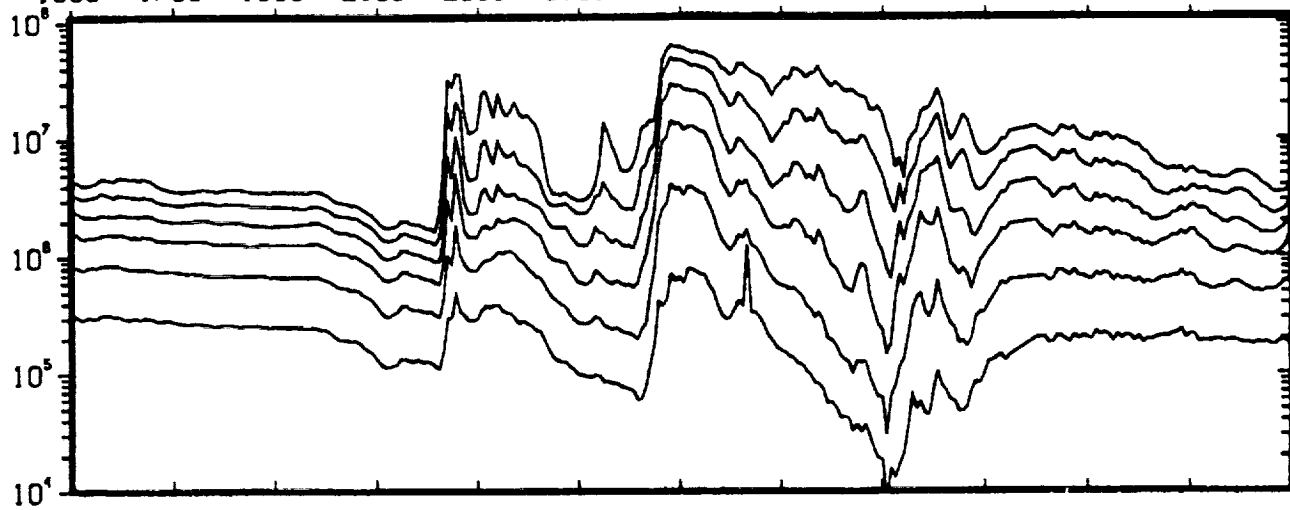
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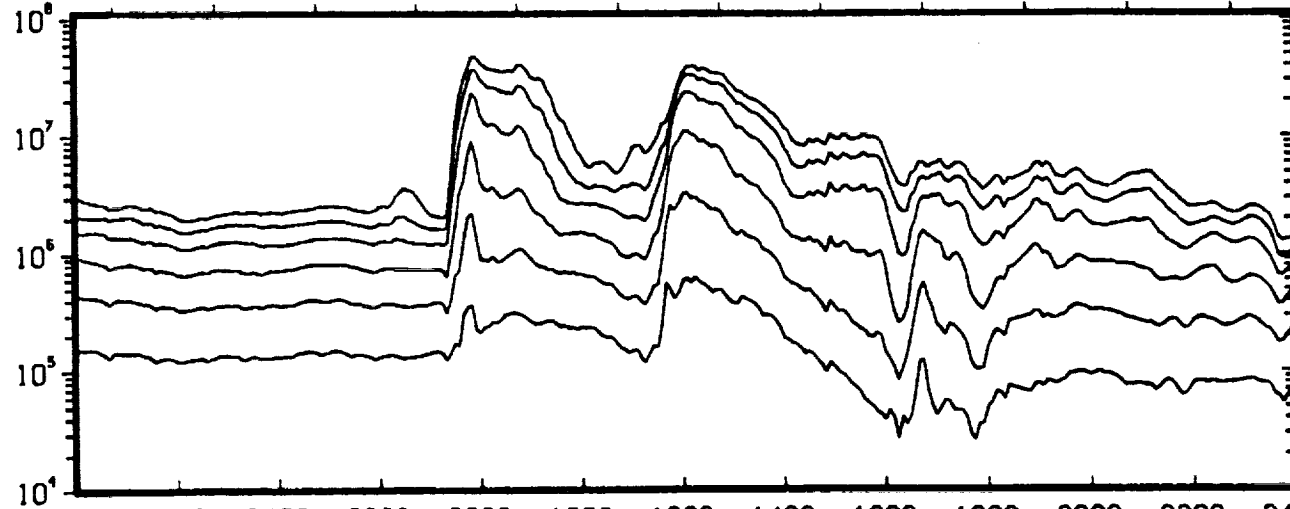
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1982-019

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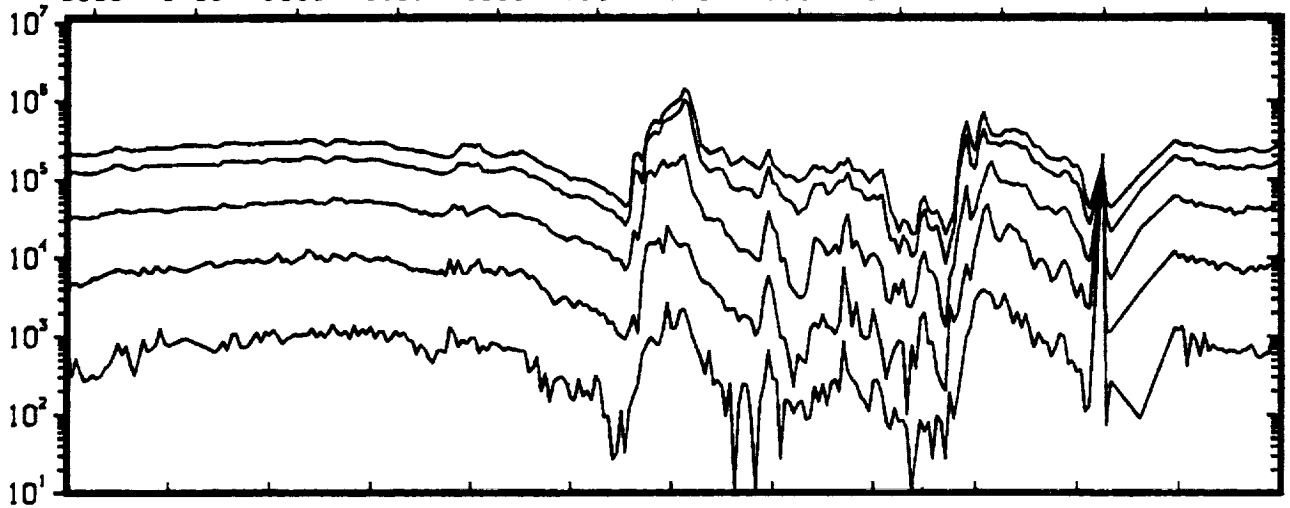


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



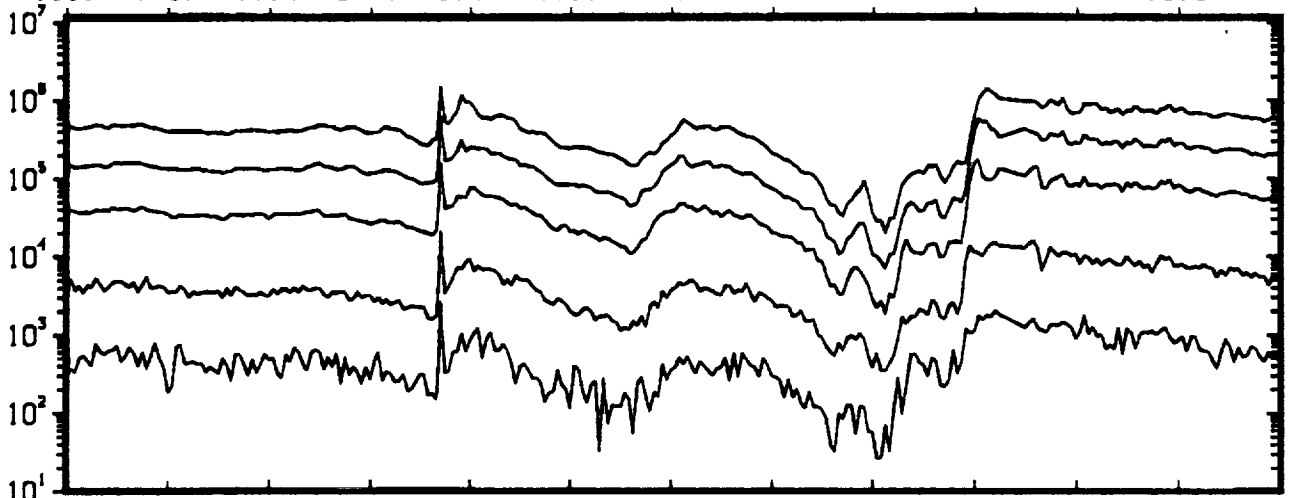
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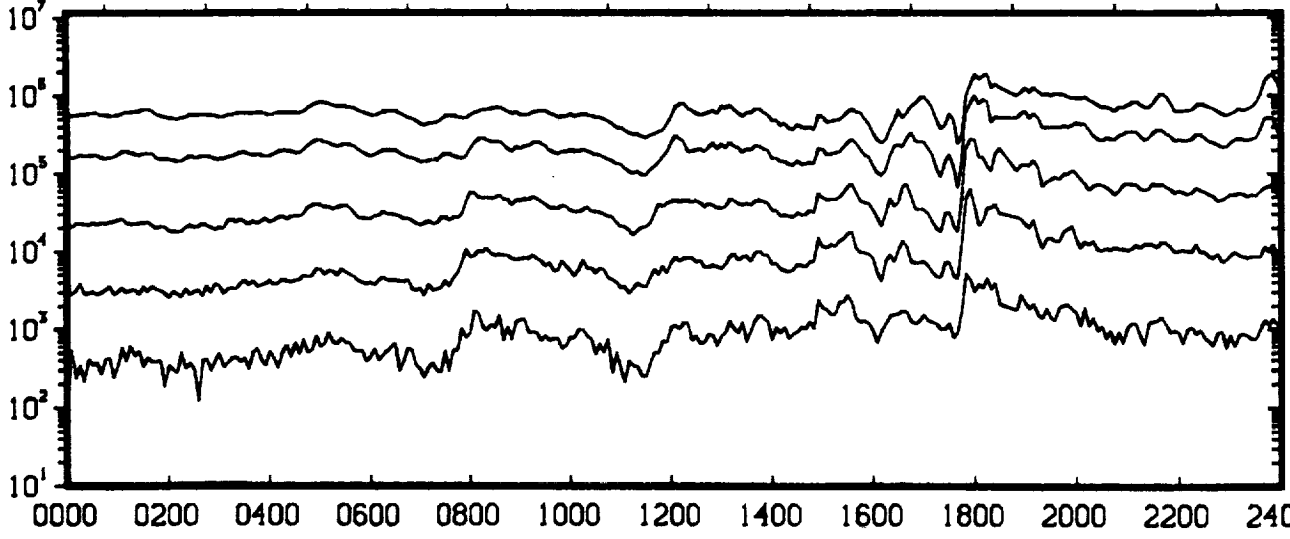


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

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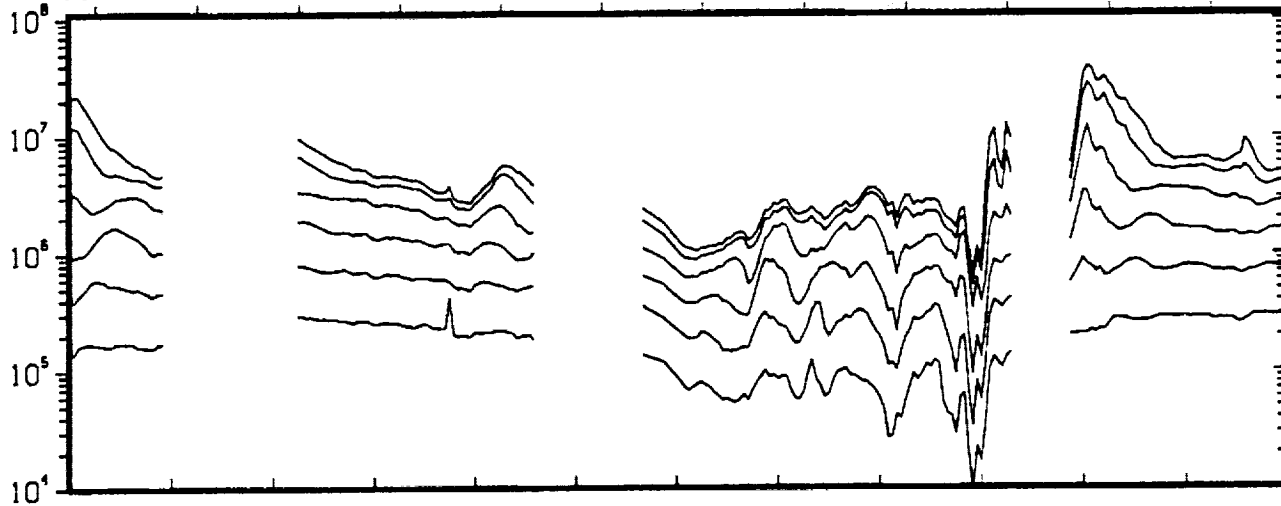


# LOW ENERGY ELECTRONS

1977-007

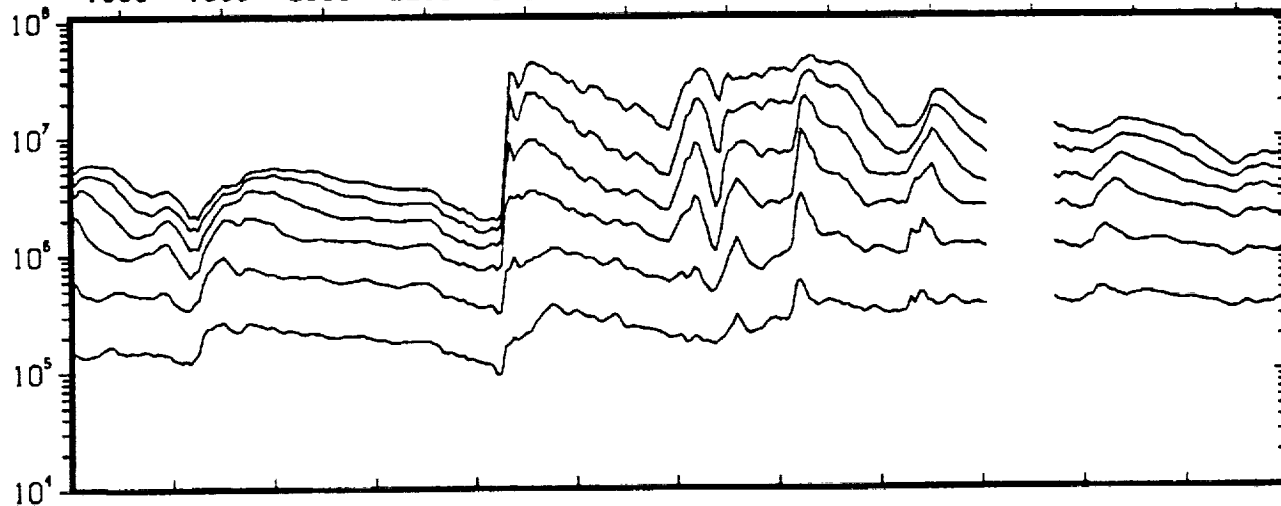
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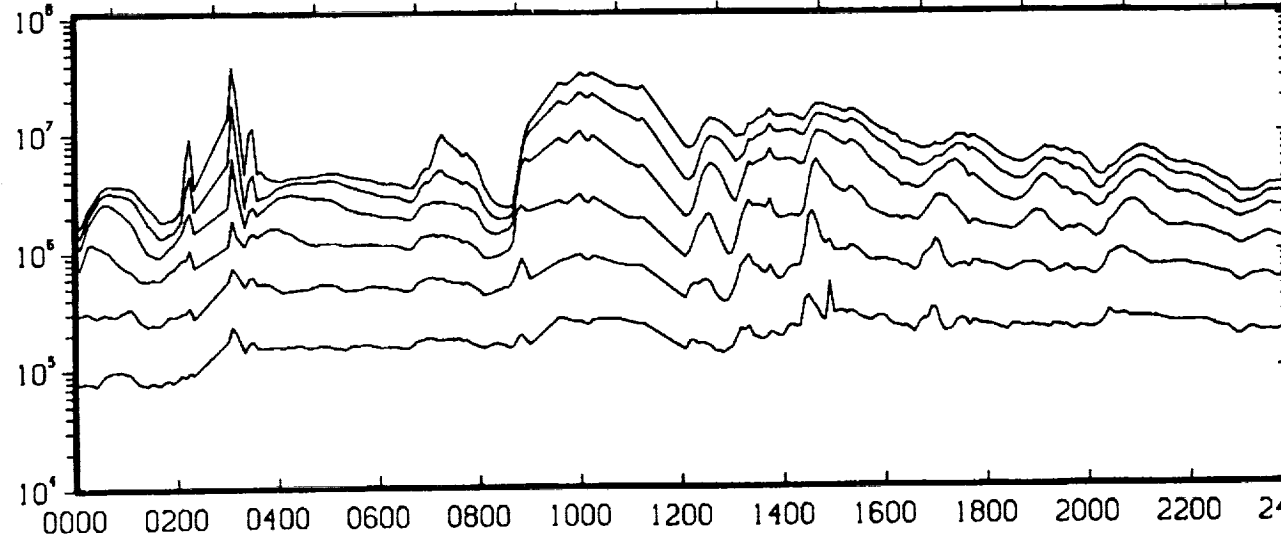
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1982-019

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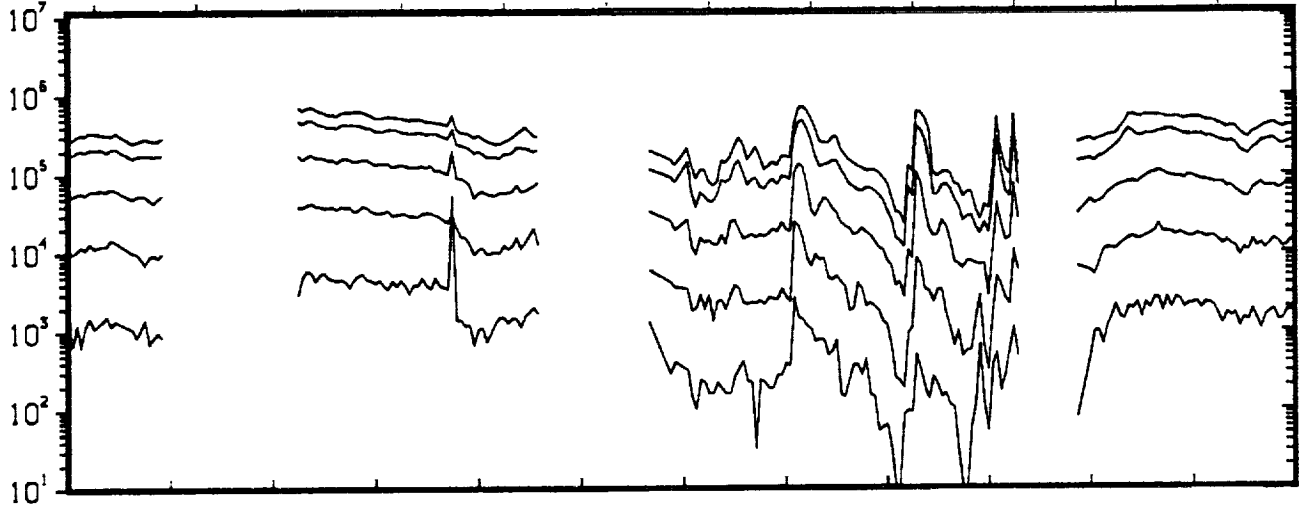
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# LOW ENERGY IONS

1977-007

82/12/24

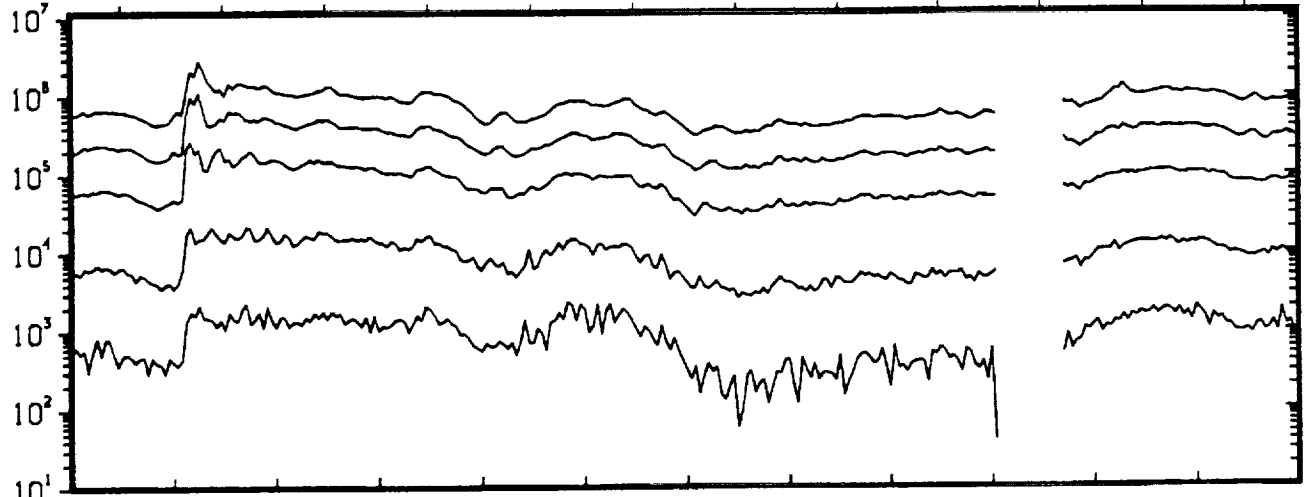
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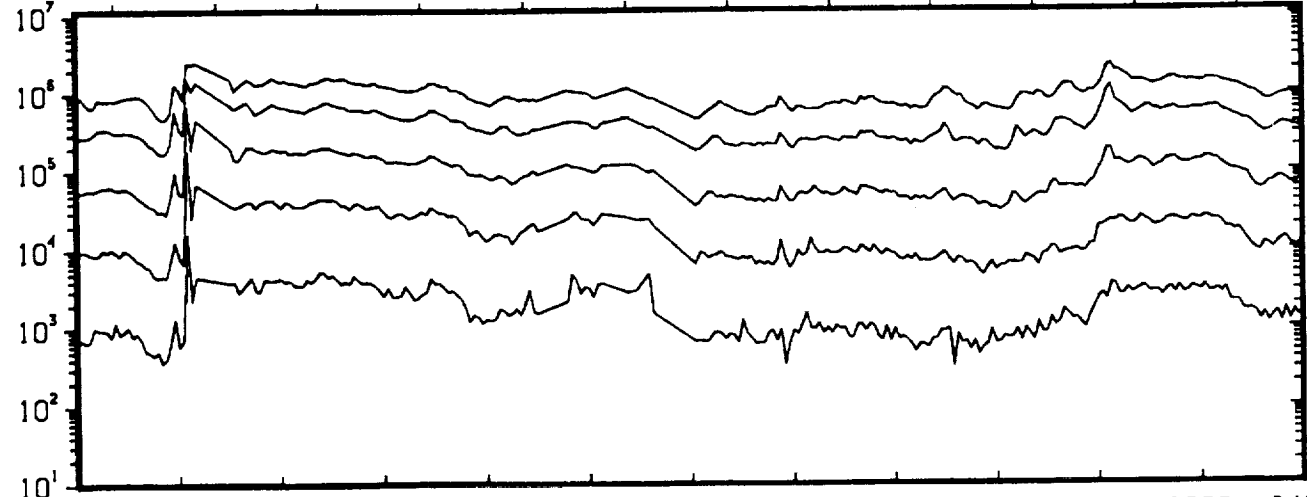
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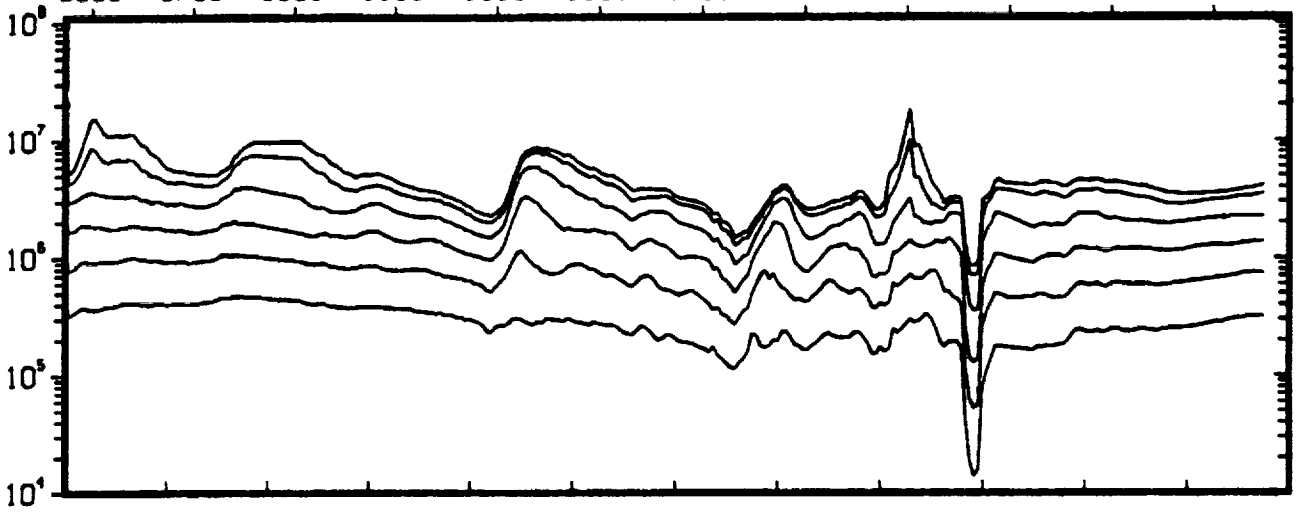
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# LOW ENERGY ELECTRONS

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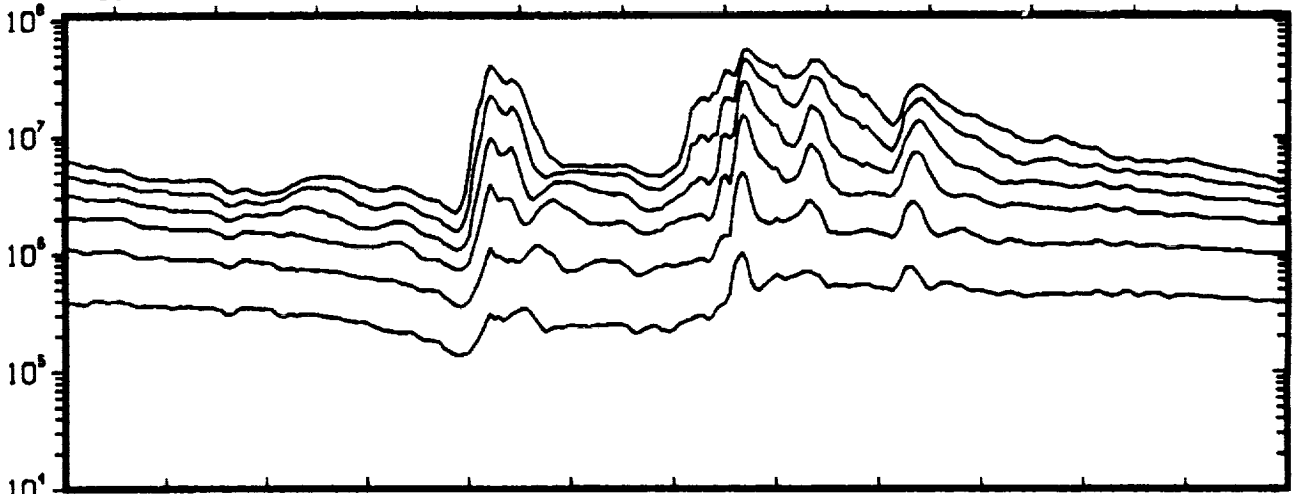
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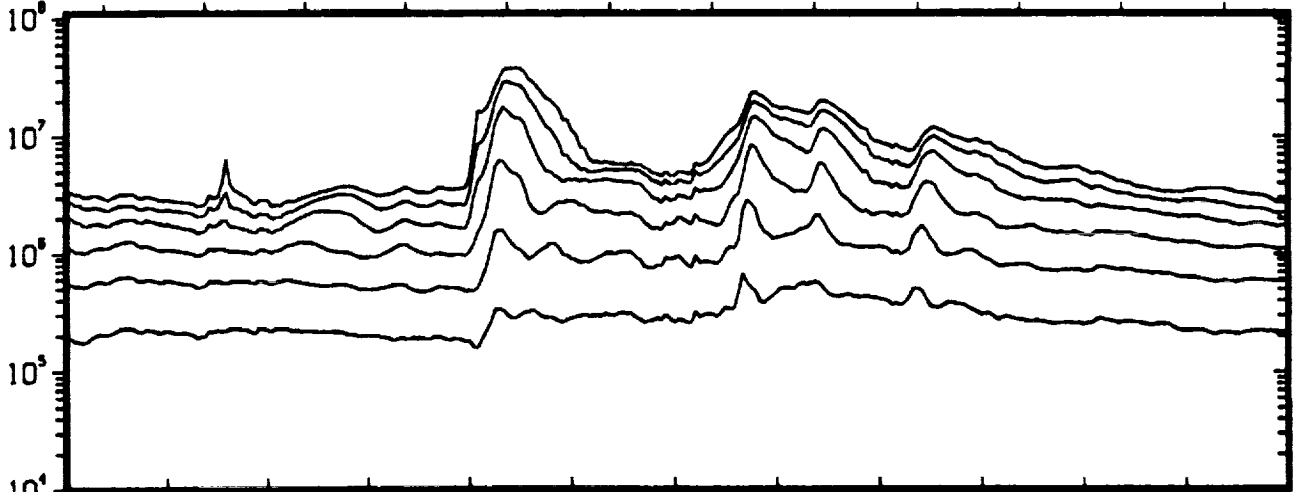
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1982-019

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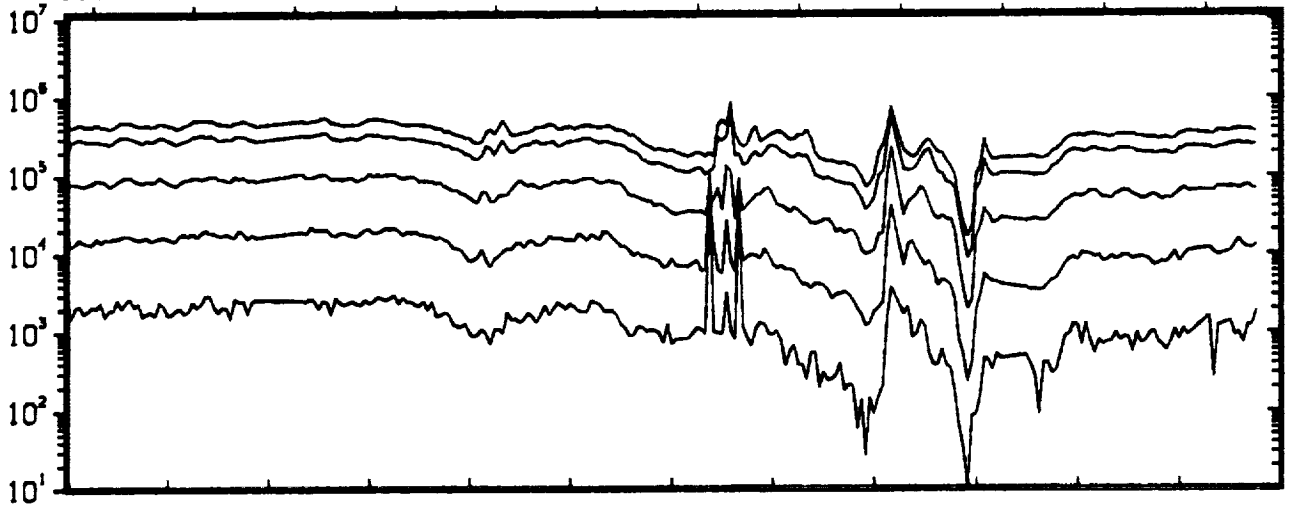
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# LOW ENERGY IONS

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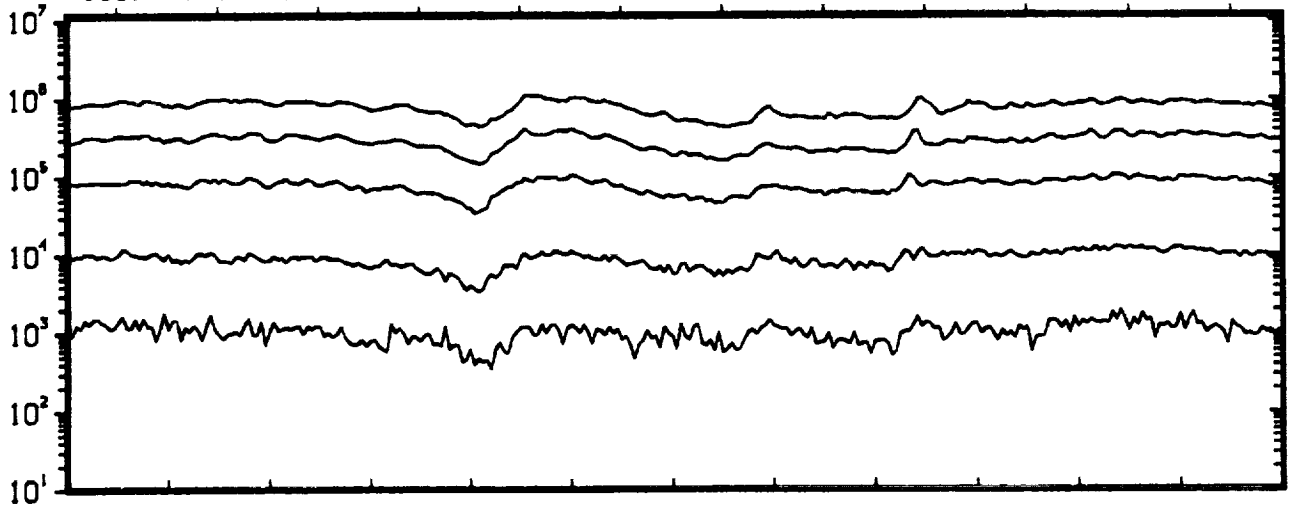
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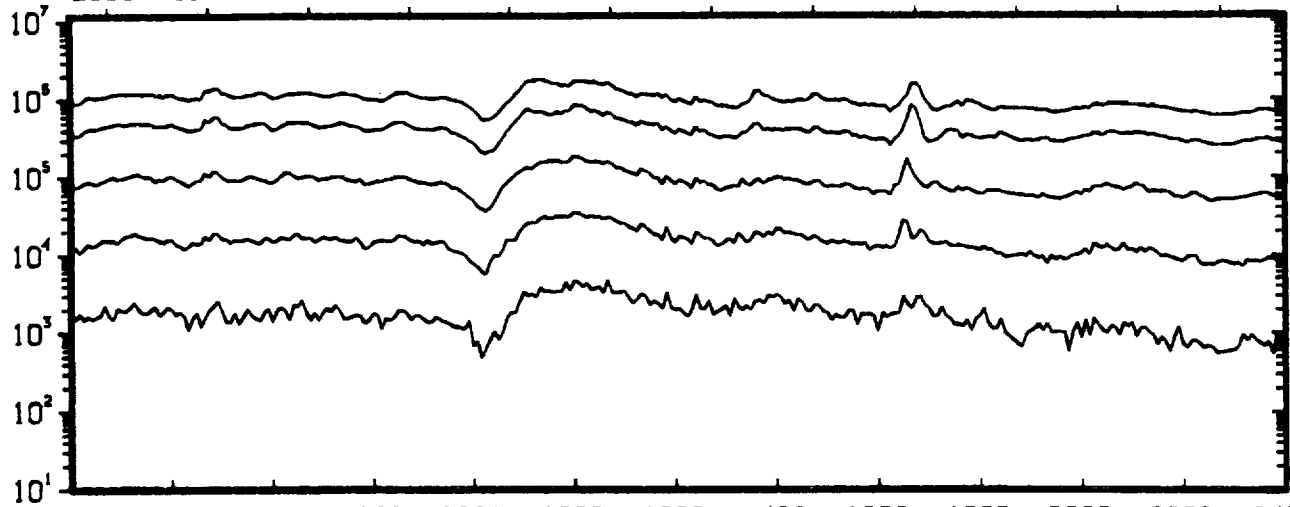
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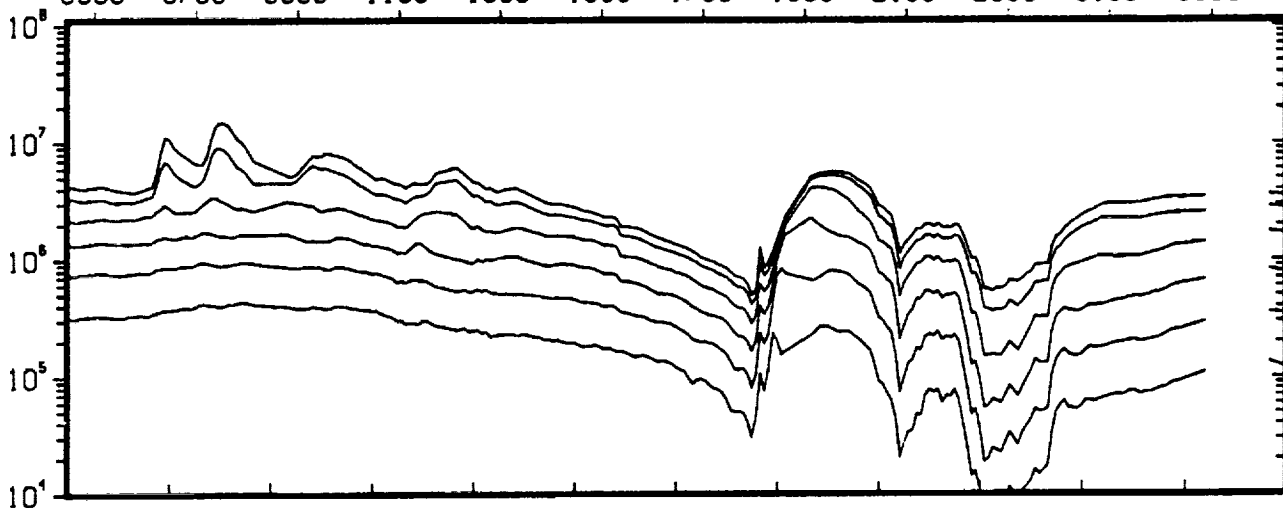
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# LOW ENERGY ELECTRONS

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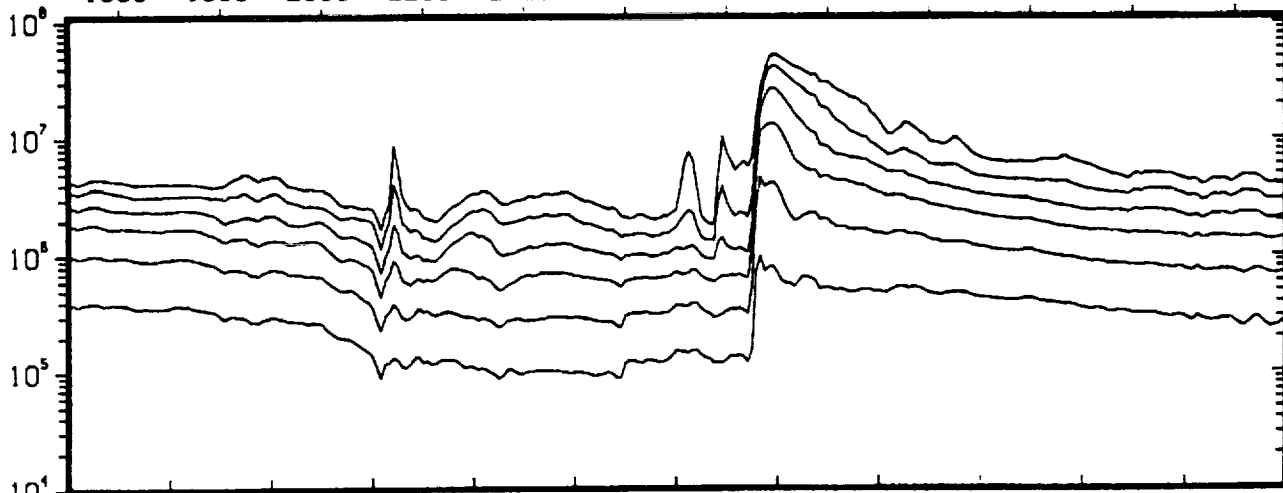
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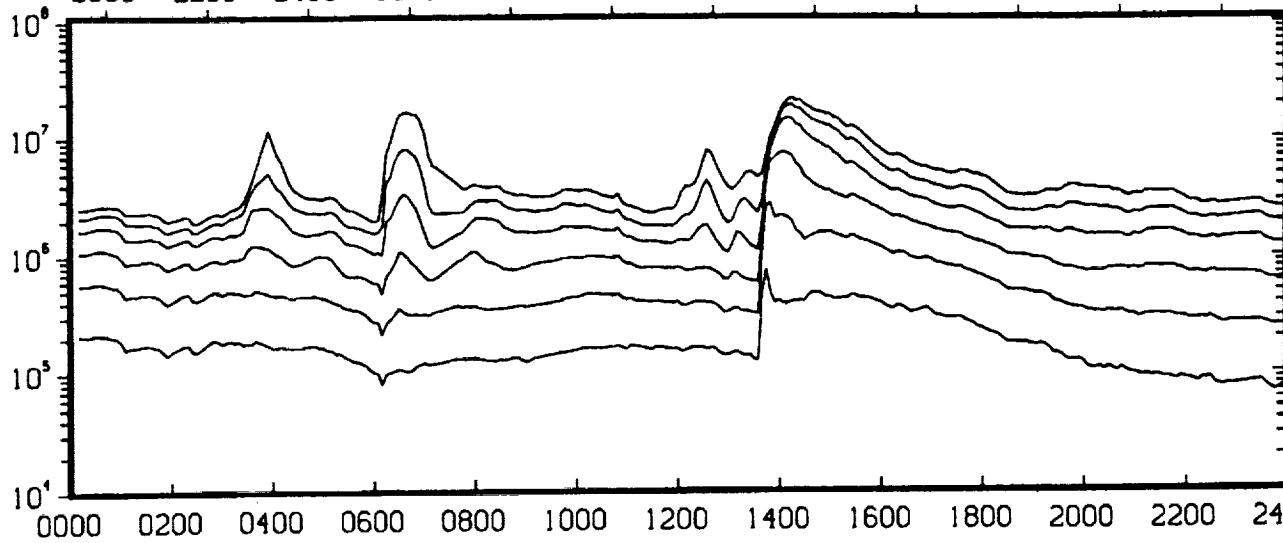
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1982-019

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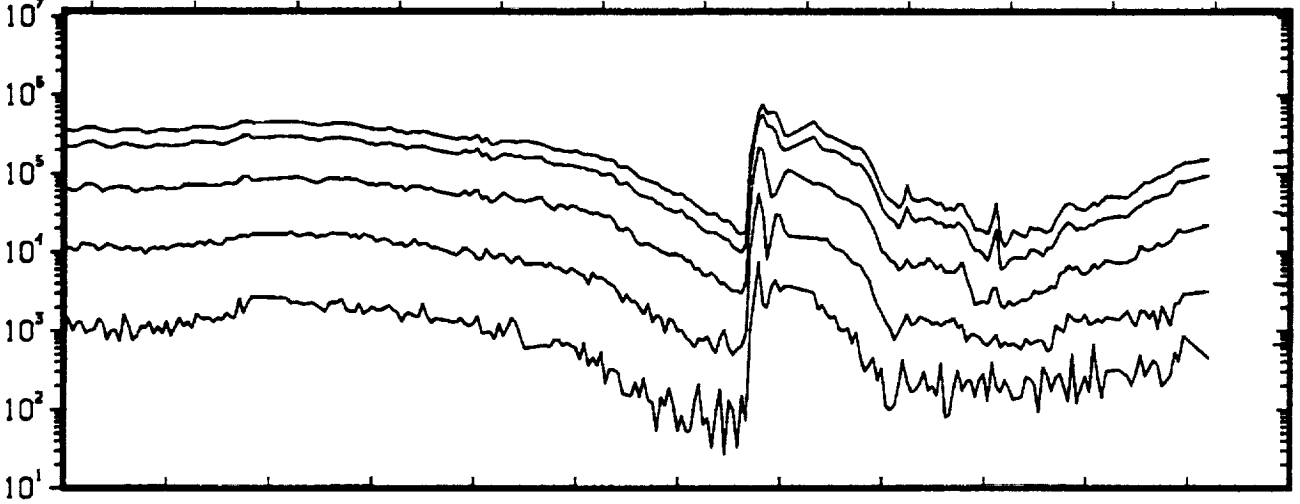
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# LOW ENERGY IONS

1977-007

82/12/26

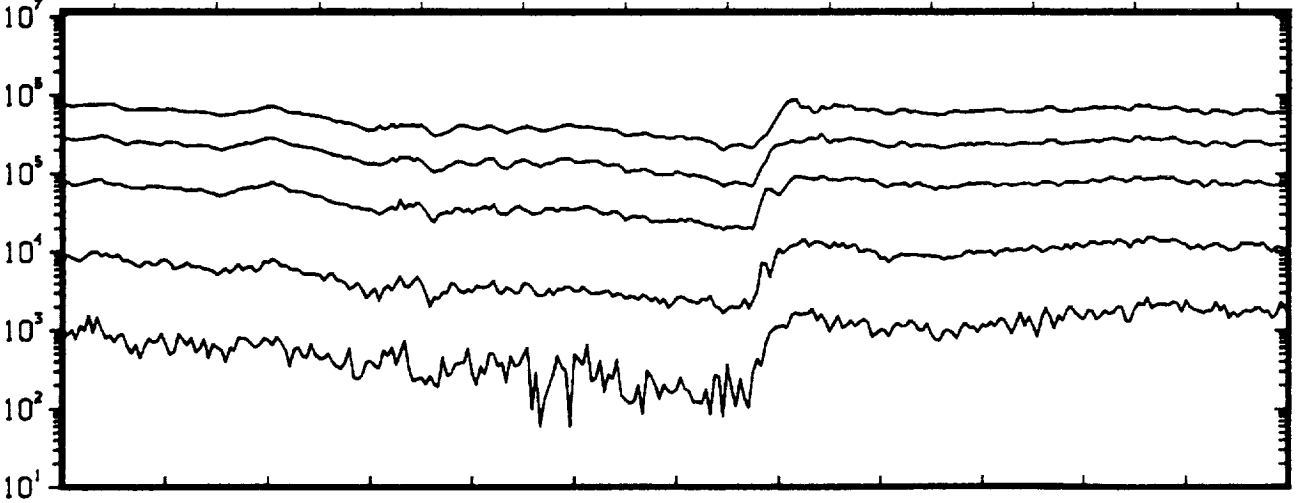
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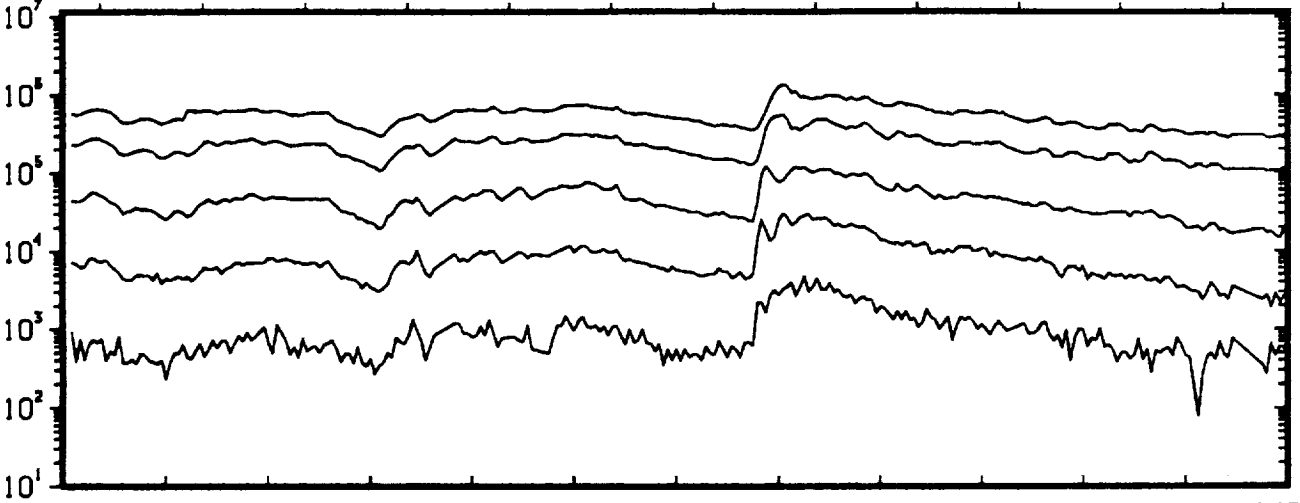
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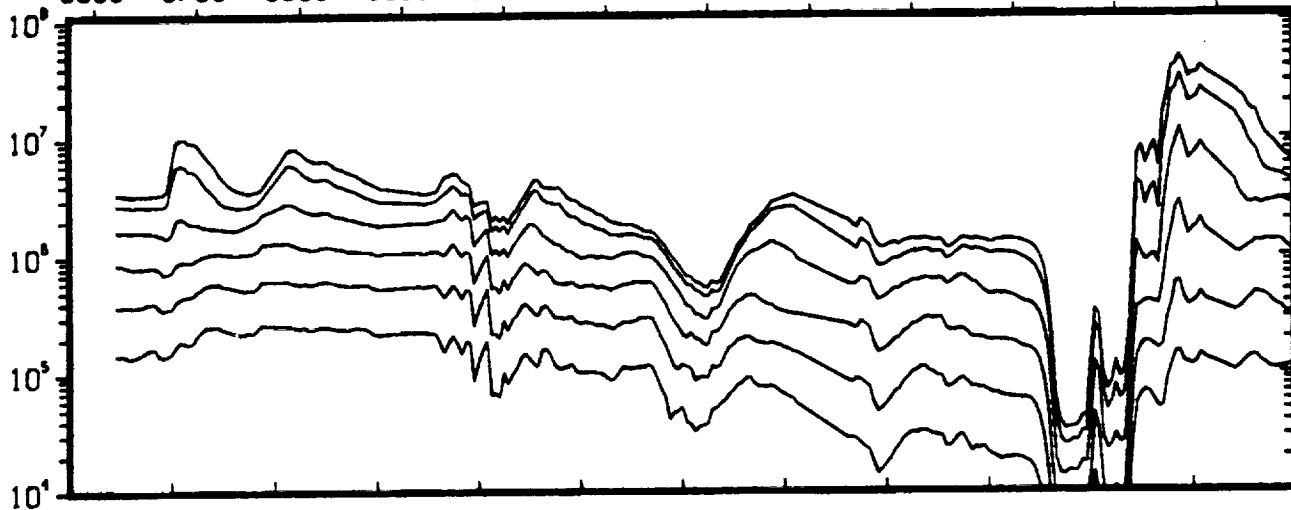


# LOW ENERGY ELECTRONS

1977-007

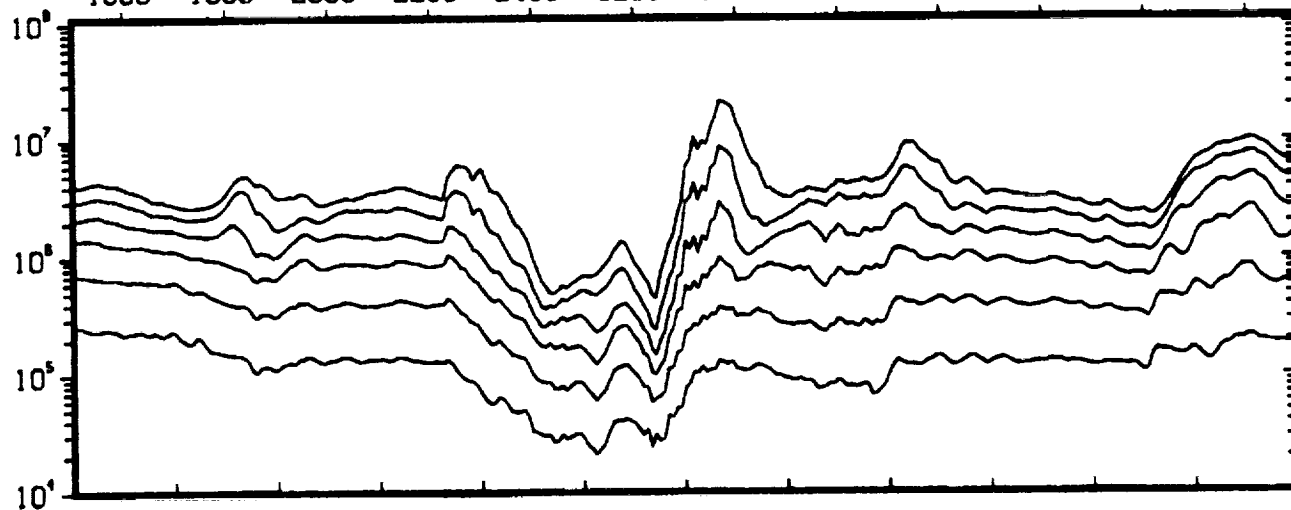
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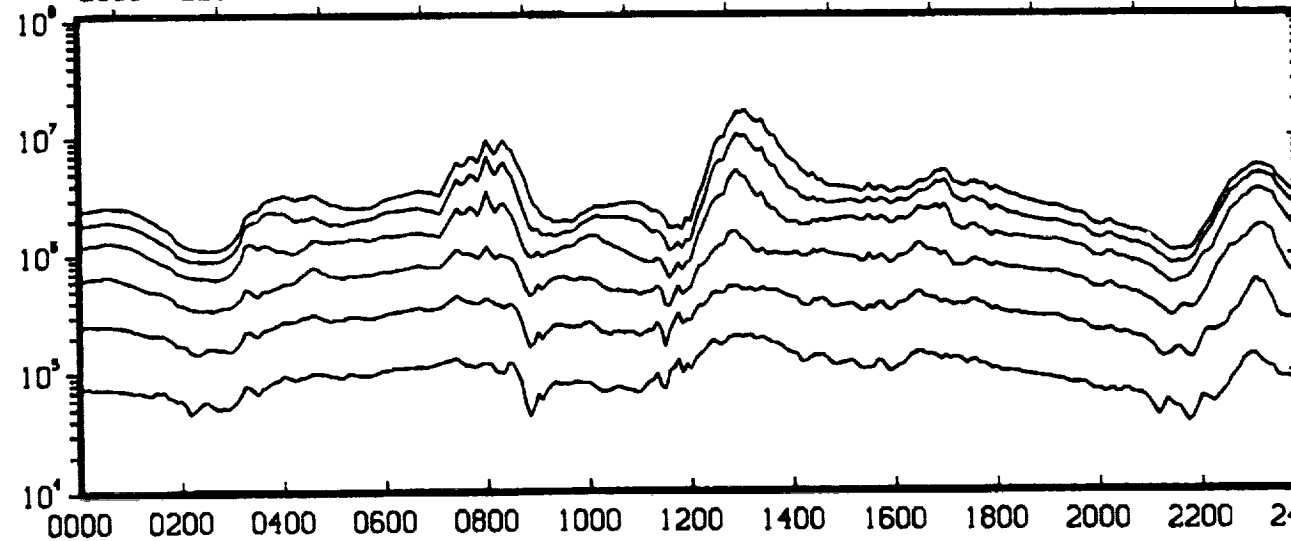
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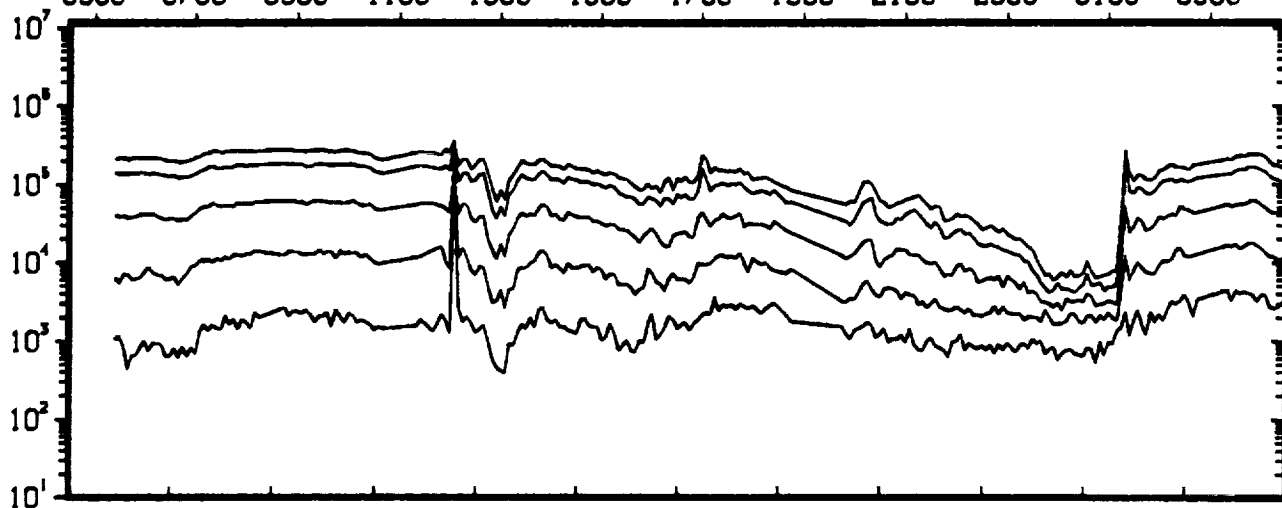


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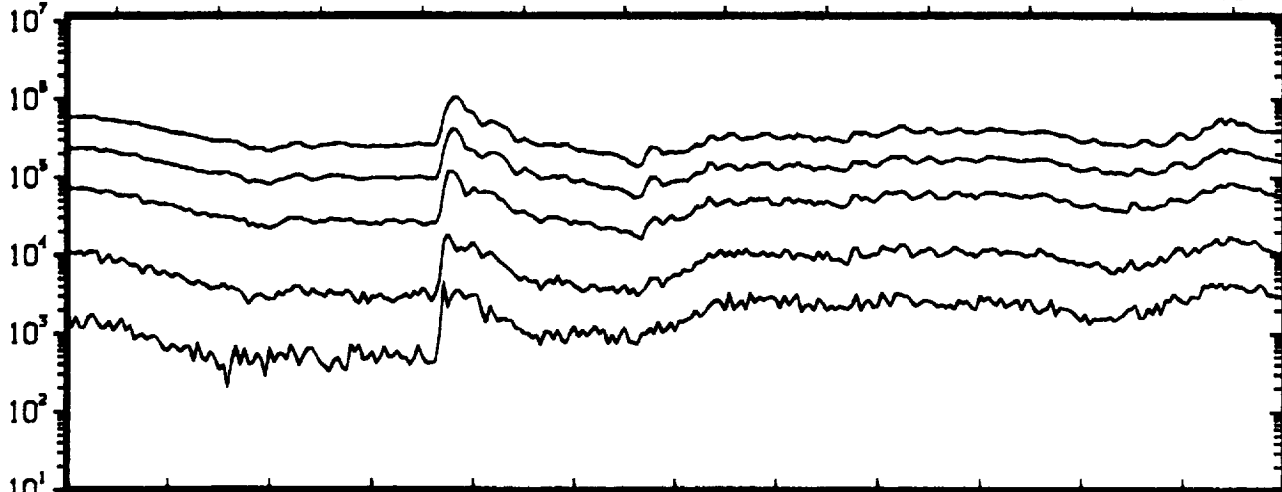
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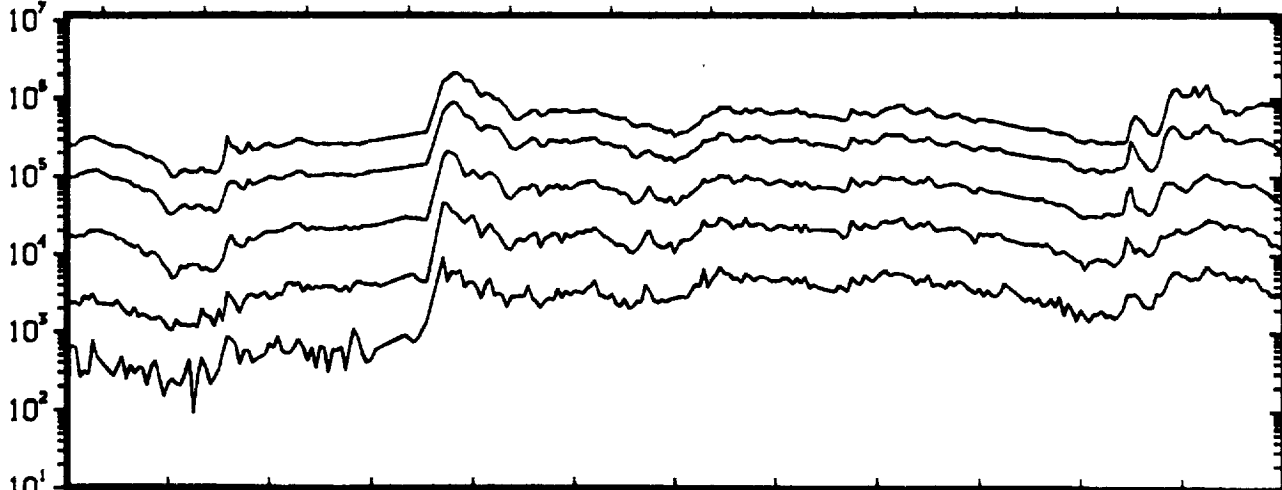


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

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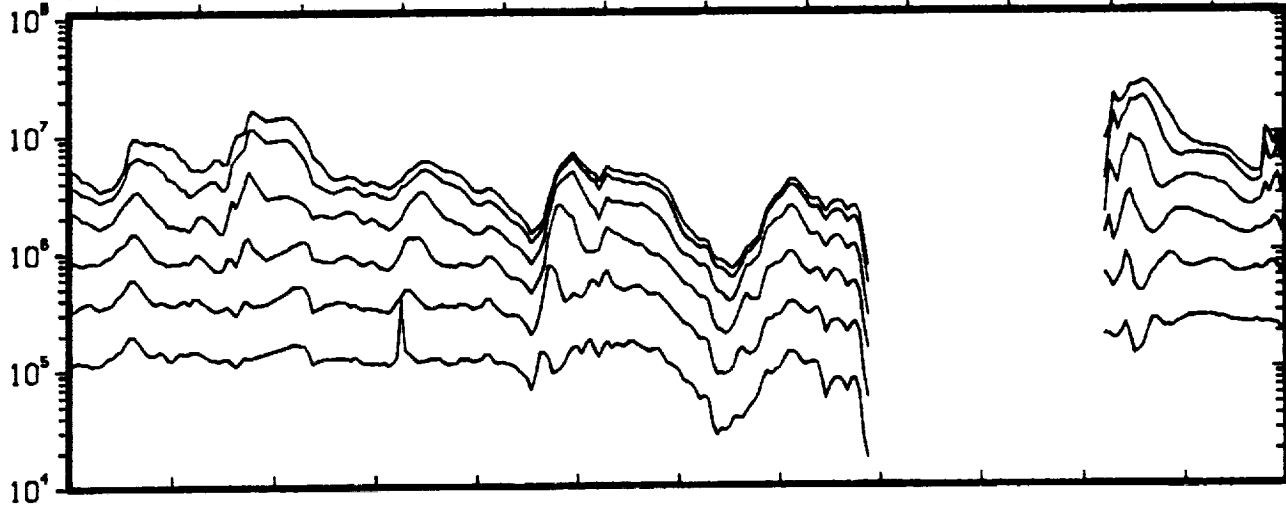
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# LOW ENERGY ELECTRONS

1977-007

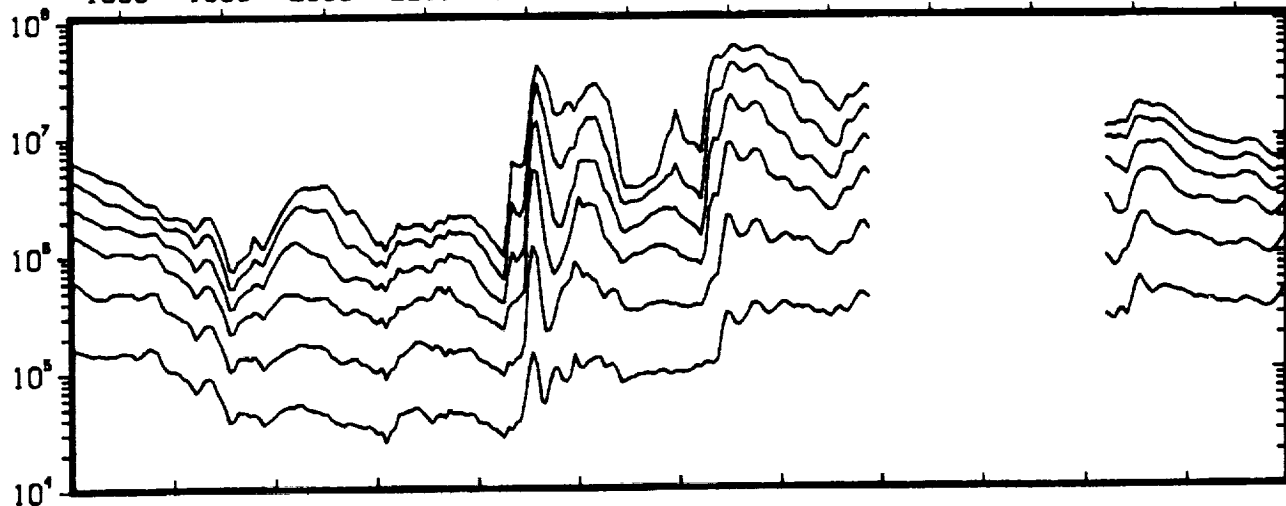
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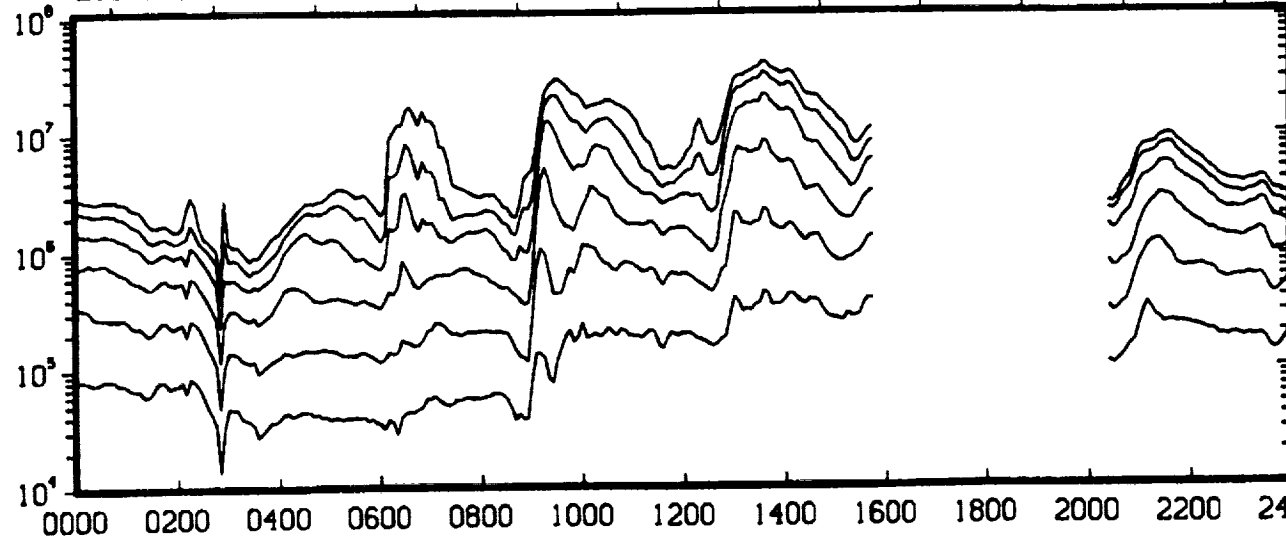
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1982-019

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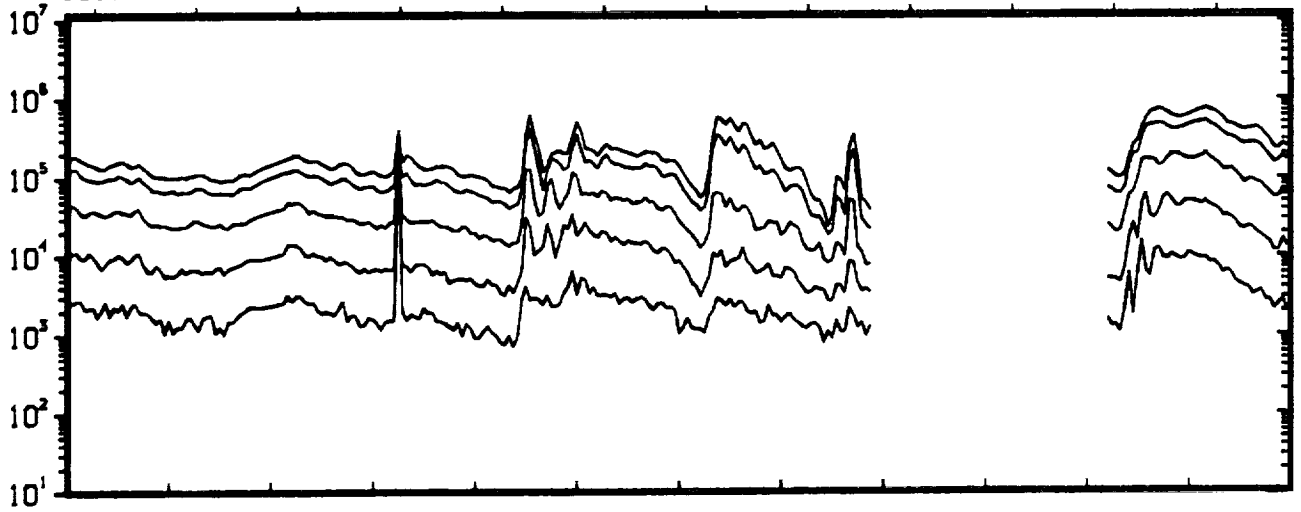
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

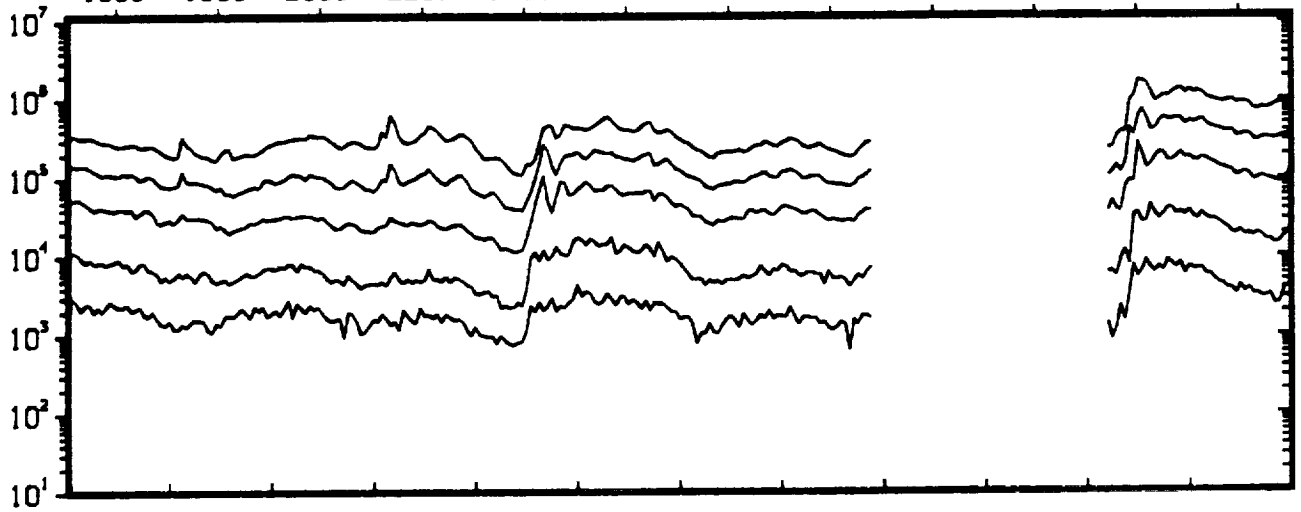
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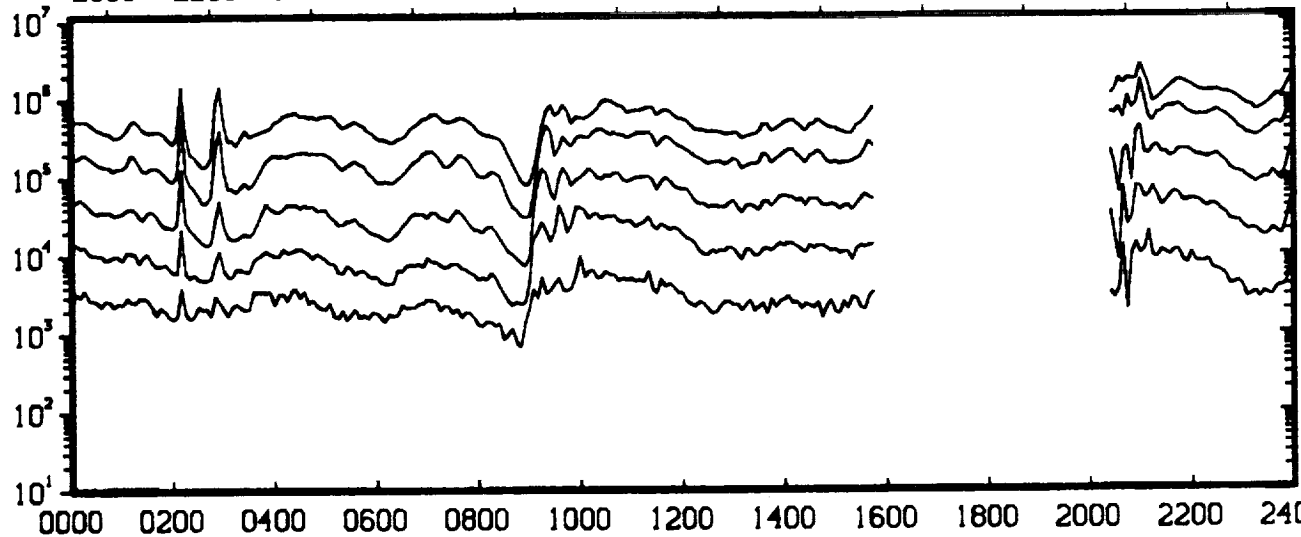
1981-025

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1982-019

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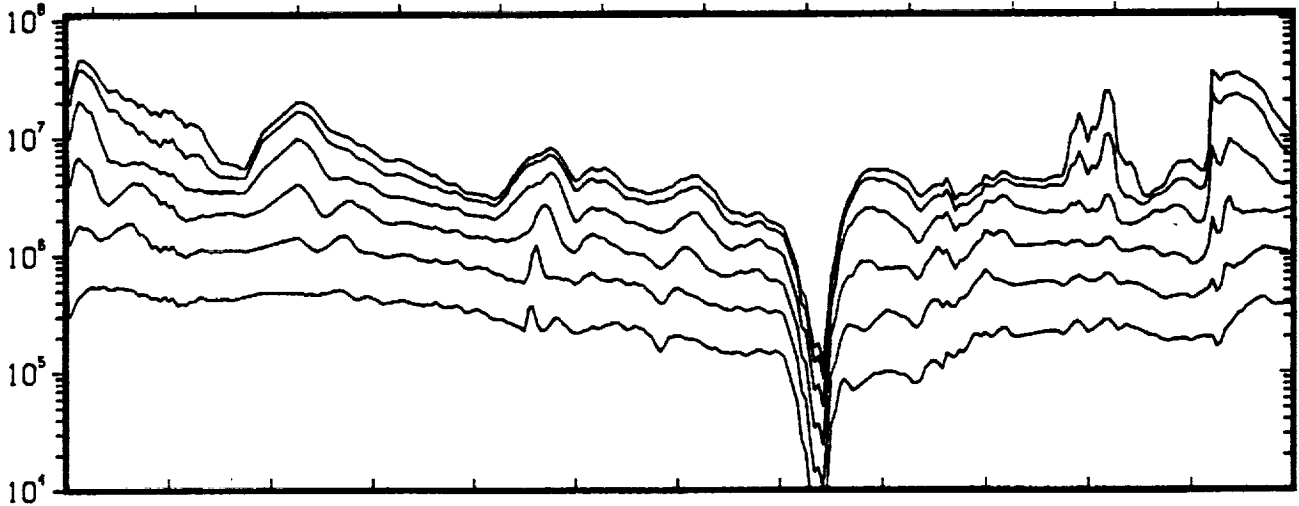
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

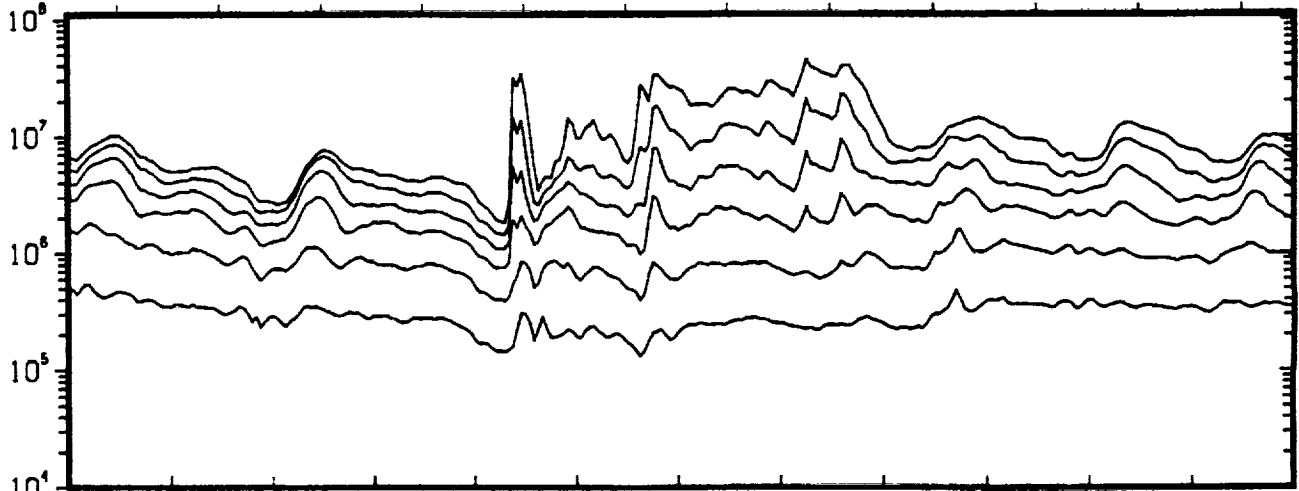
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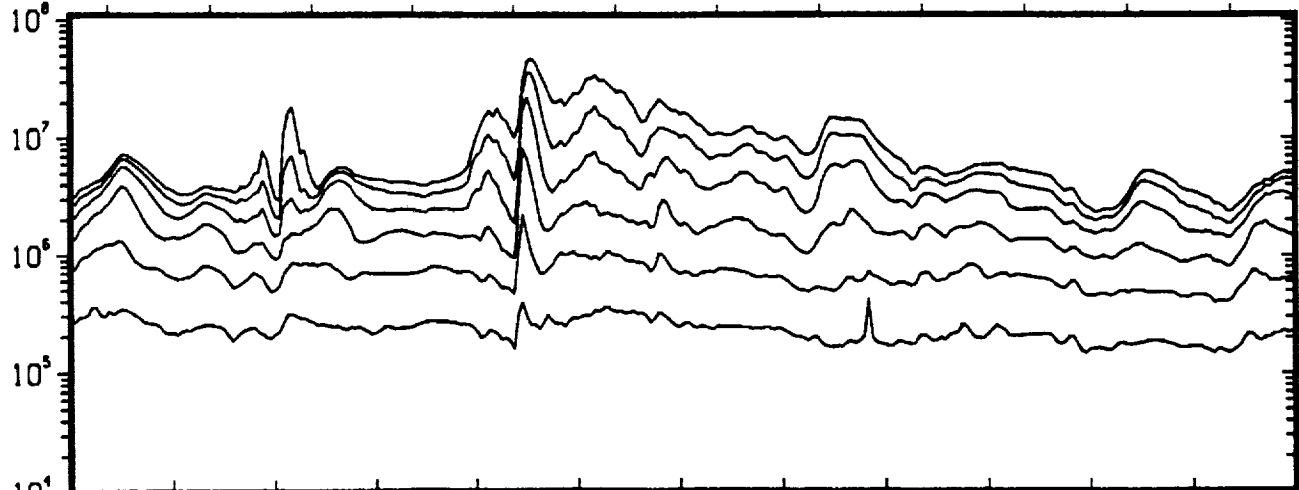
1981-025

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1982-019

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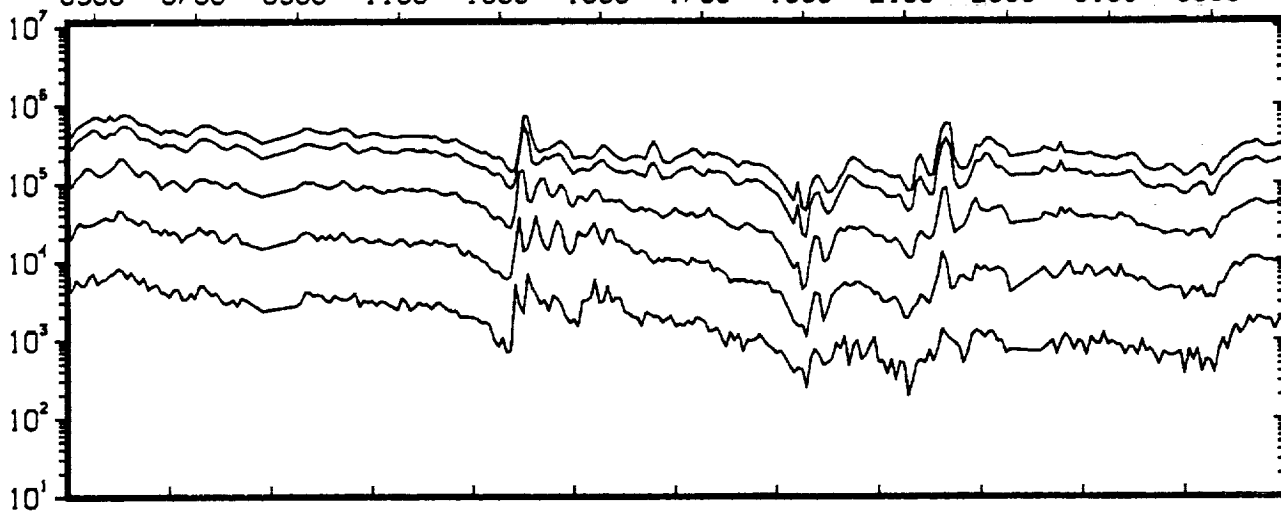
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

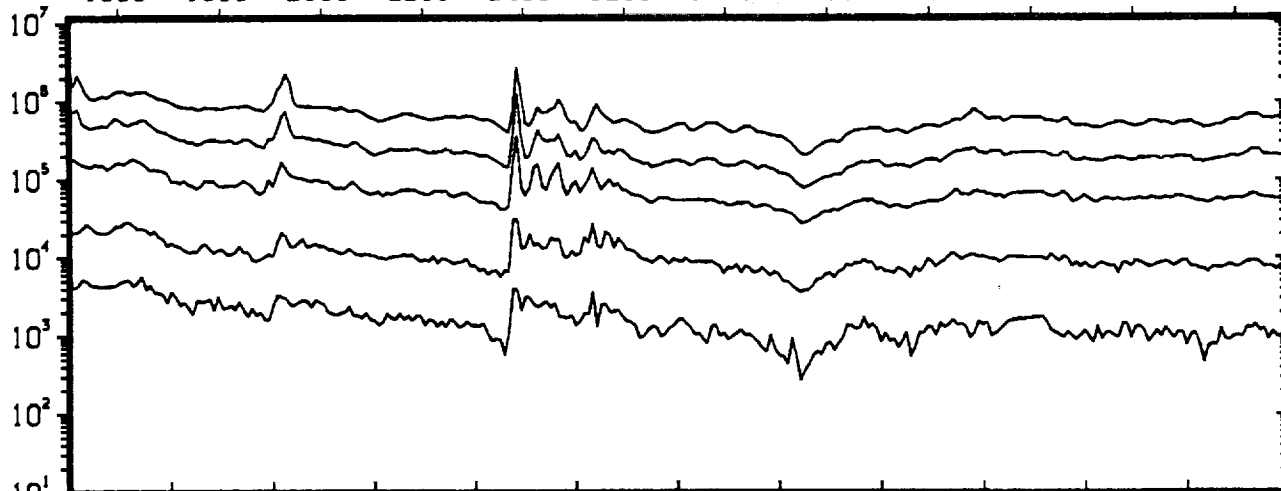
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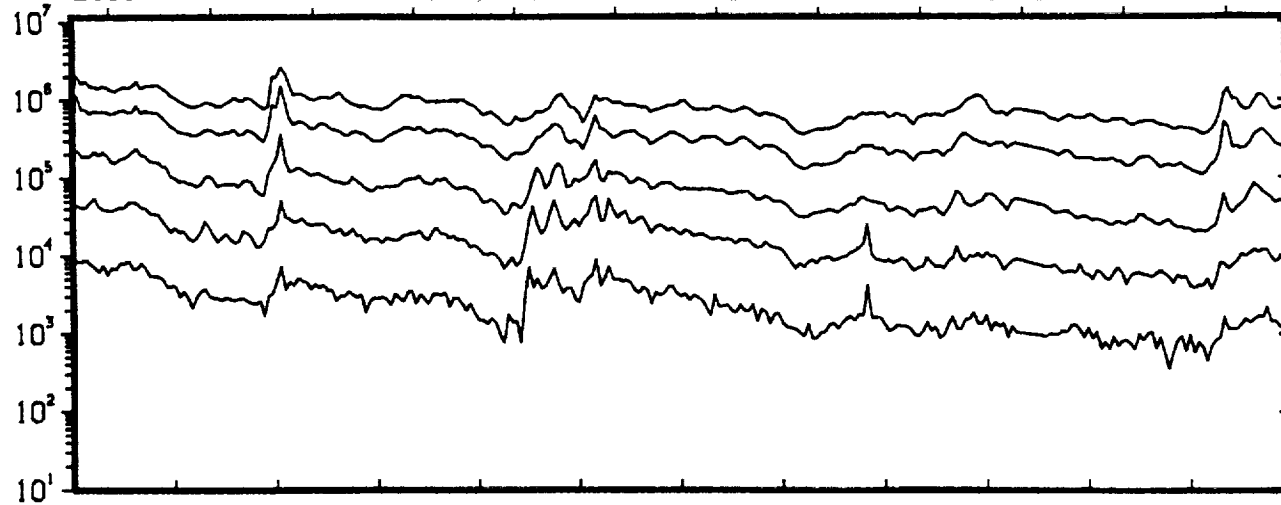
1981-025

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1982-019

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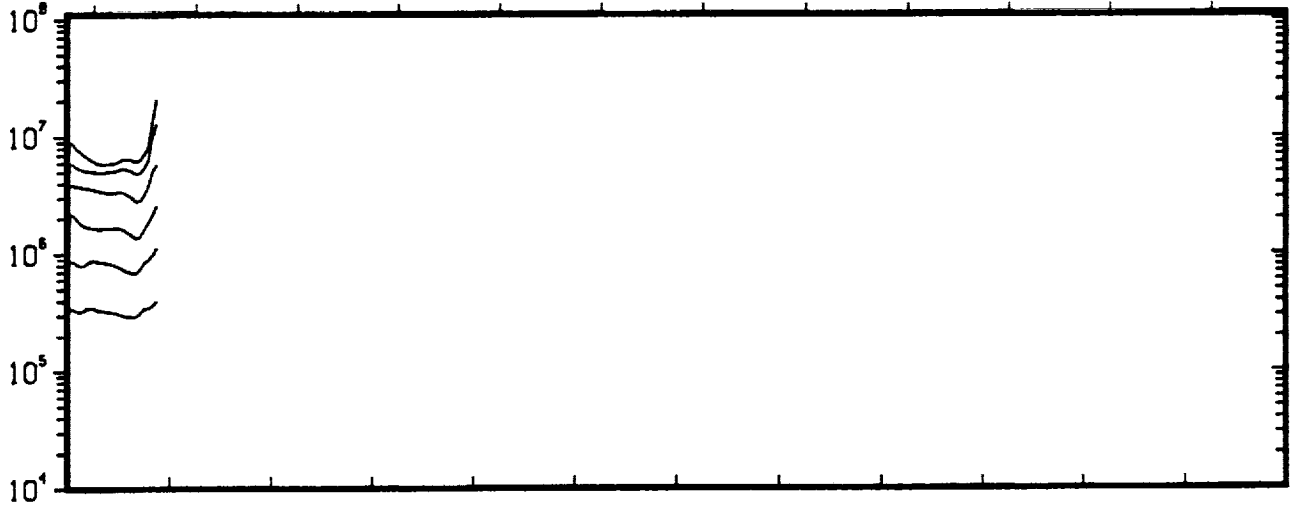
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

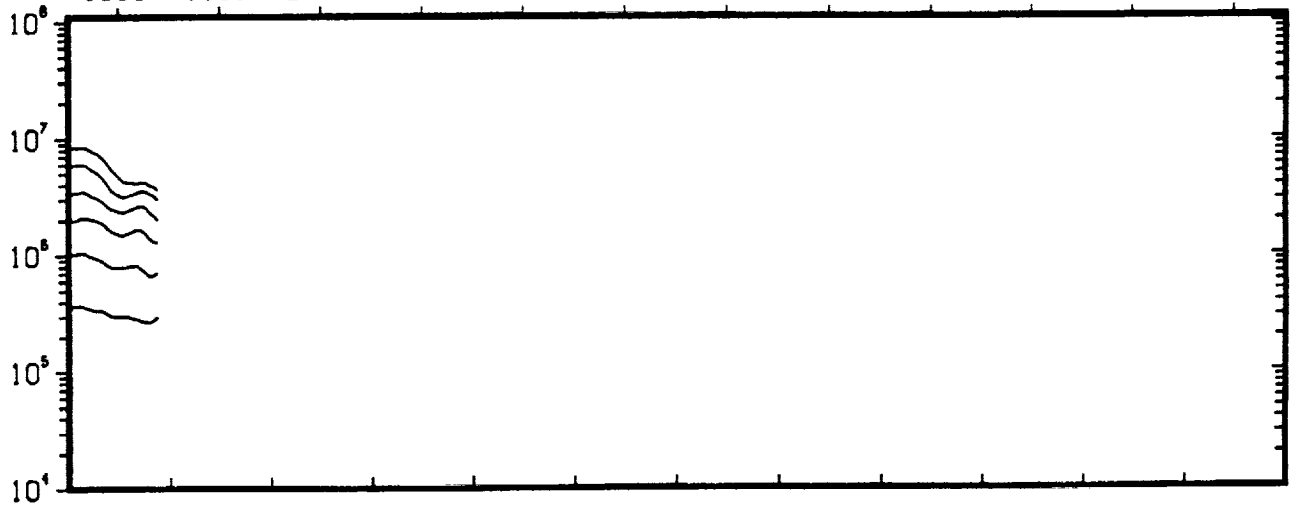
82/12/30

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



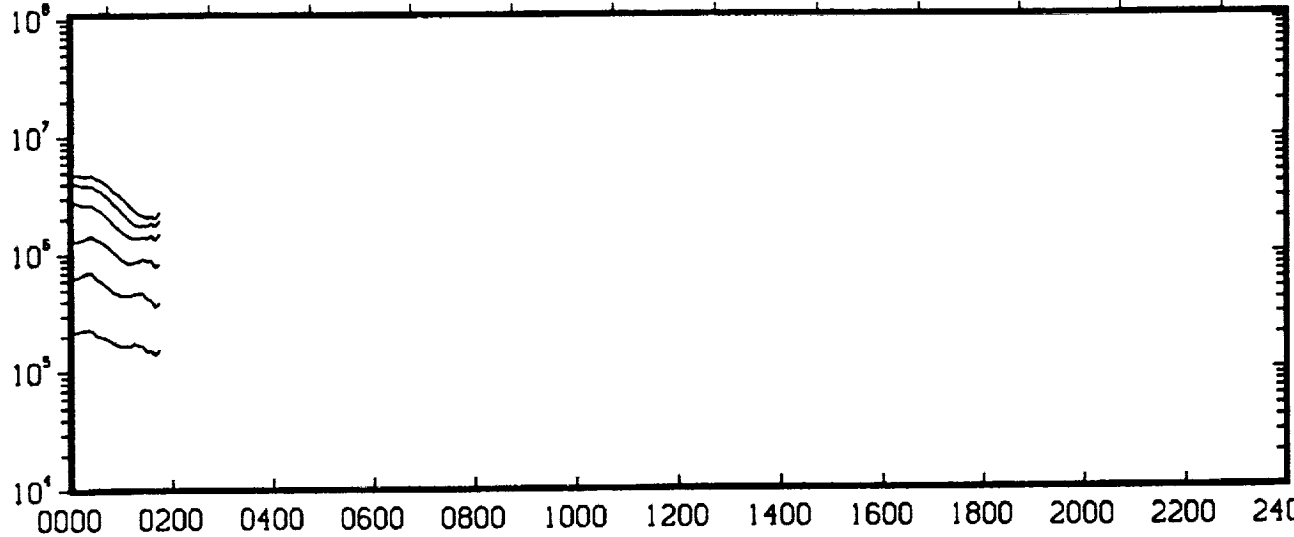
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



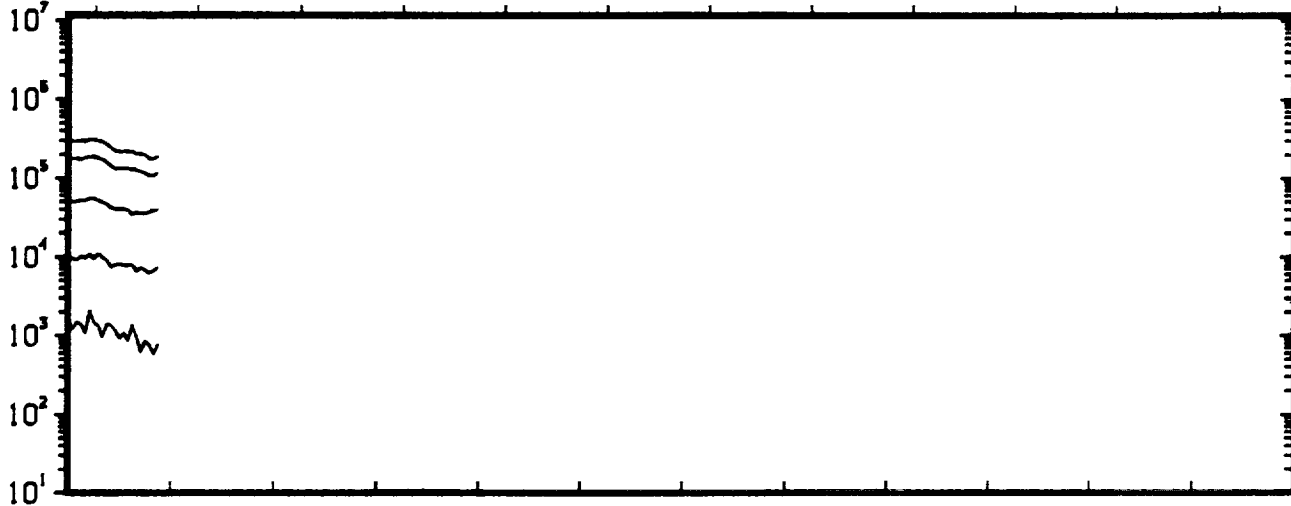
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

82/12/30

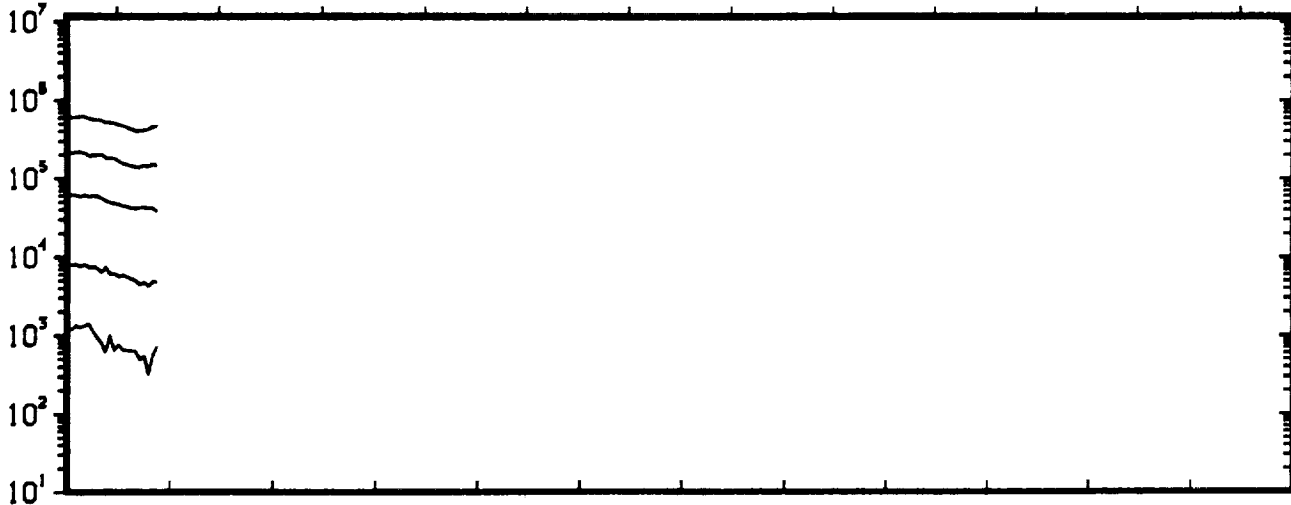
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1981-025

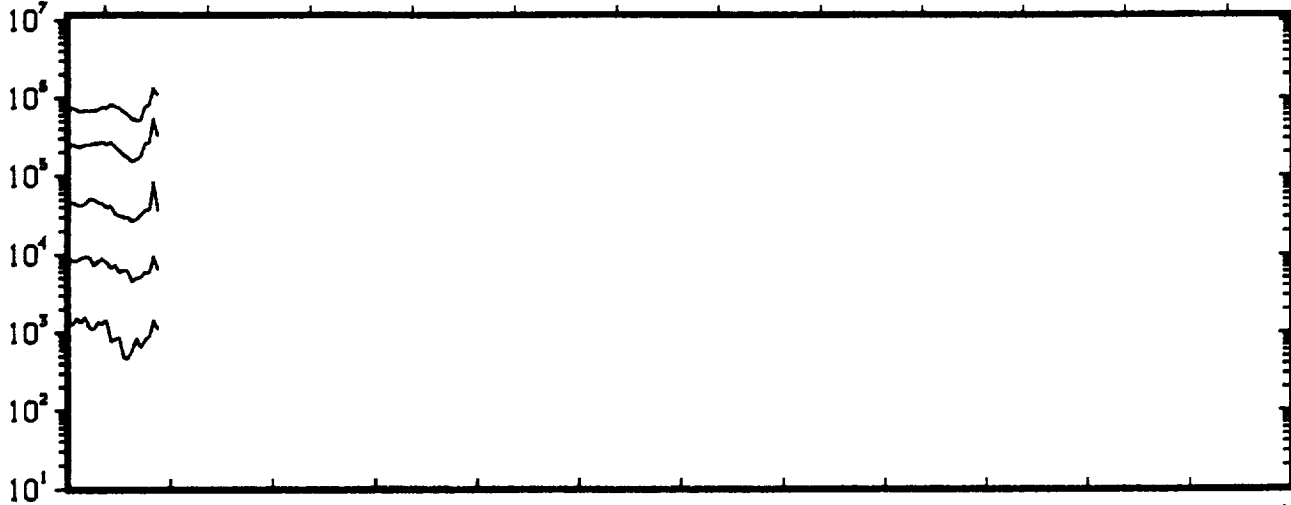
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

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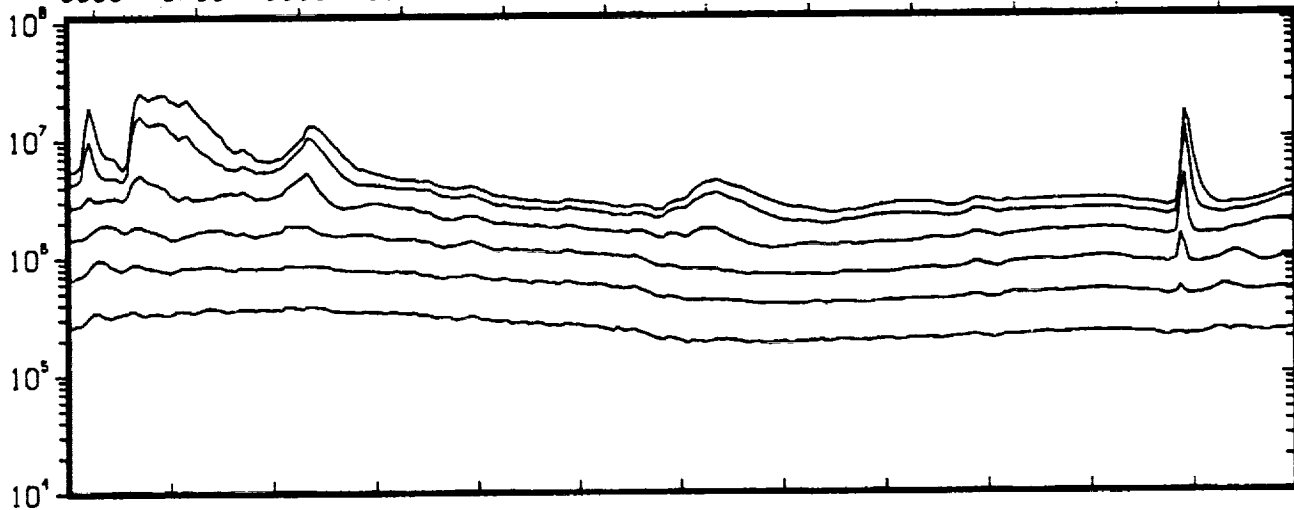
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# LOW ENERGY ELECTRONS

1977-007

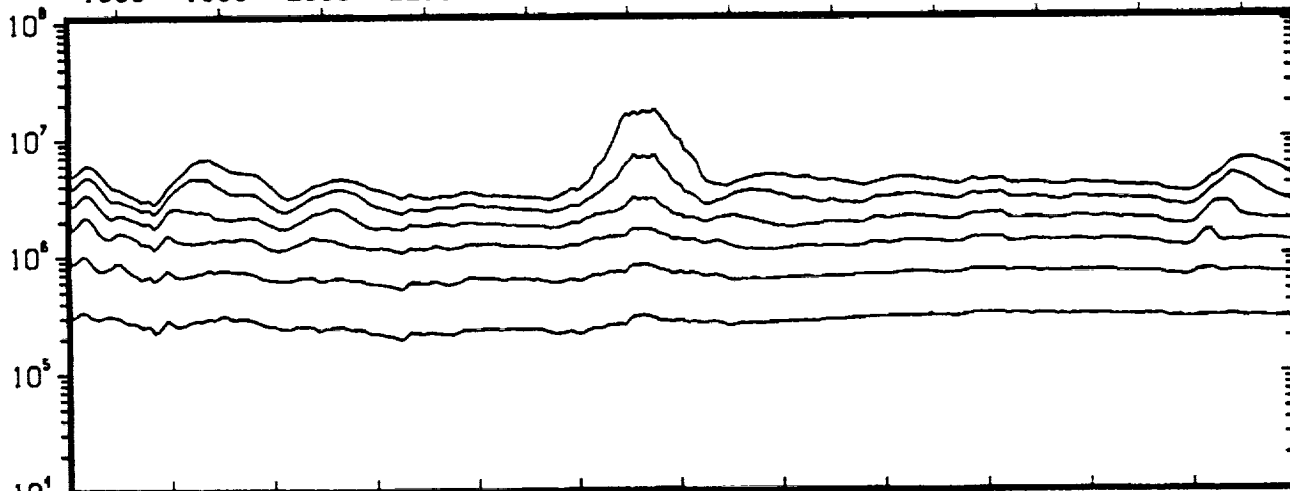
82/12/31

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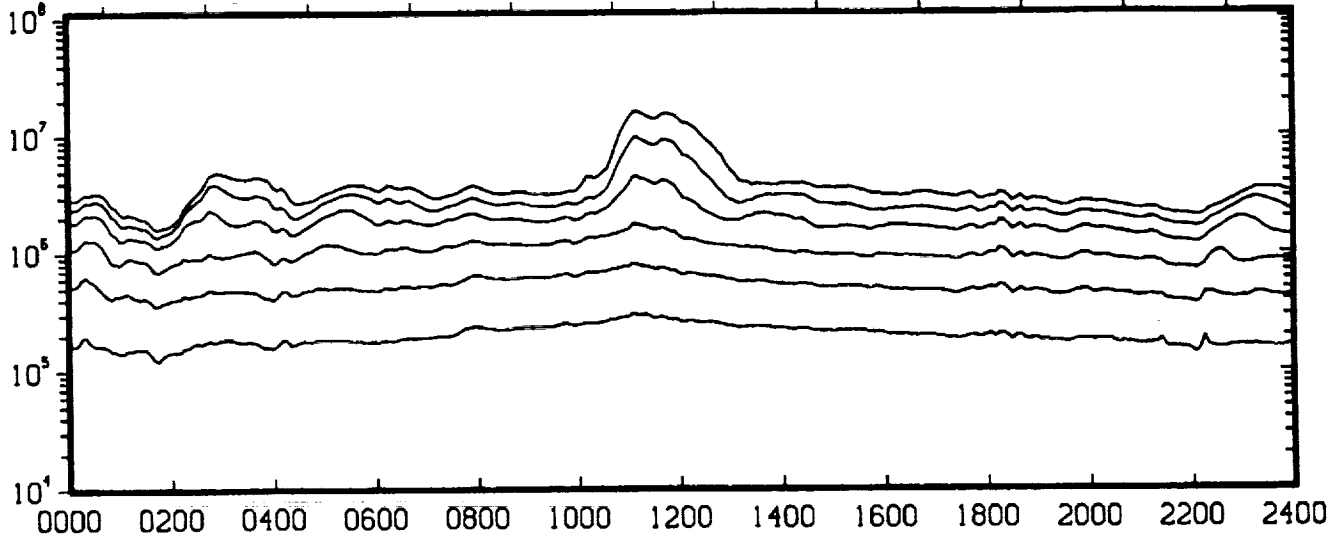
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

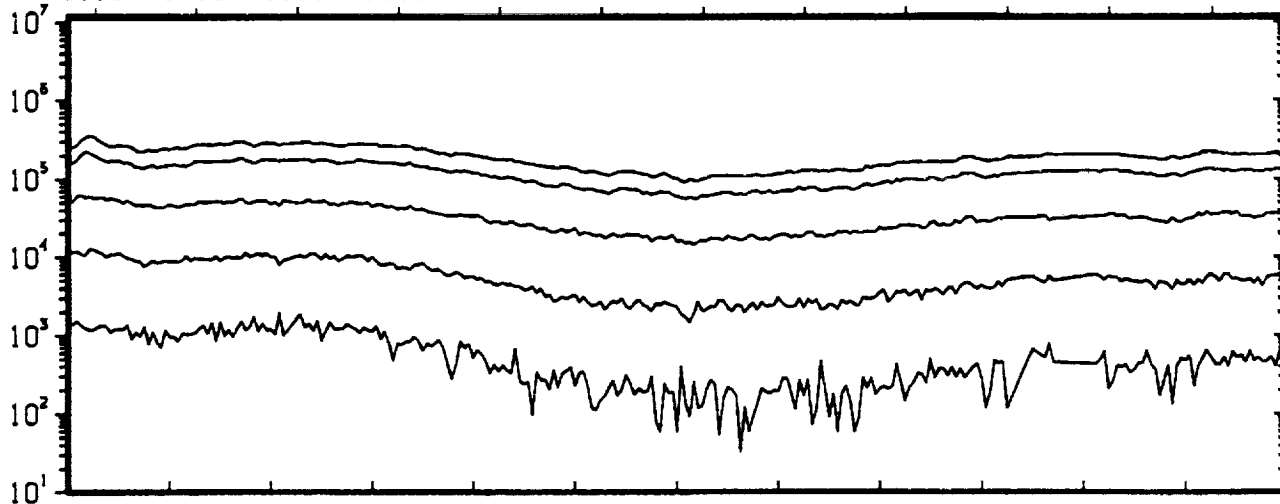


# LOW ENERGY IONS

1977-007

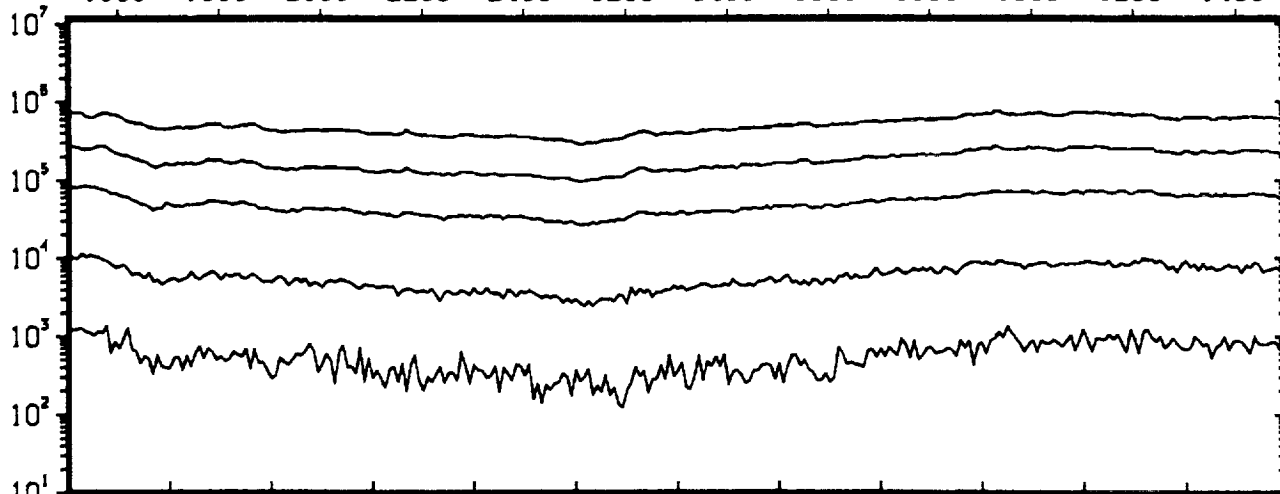
82/12/31

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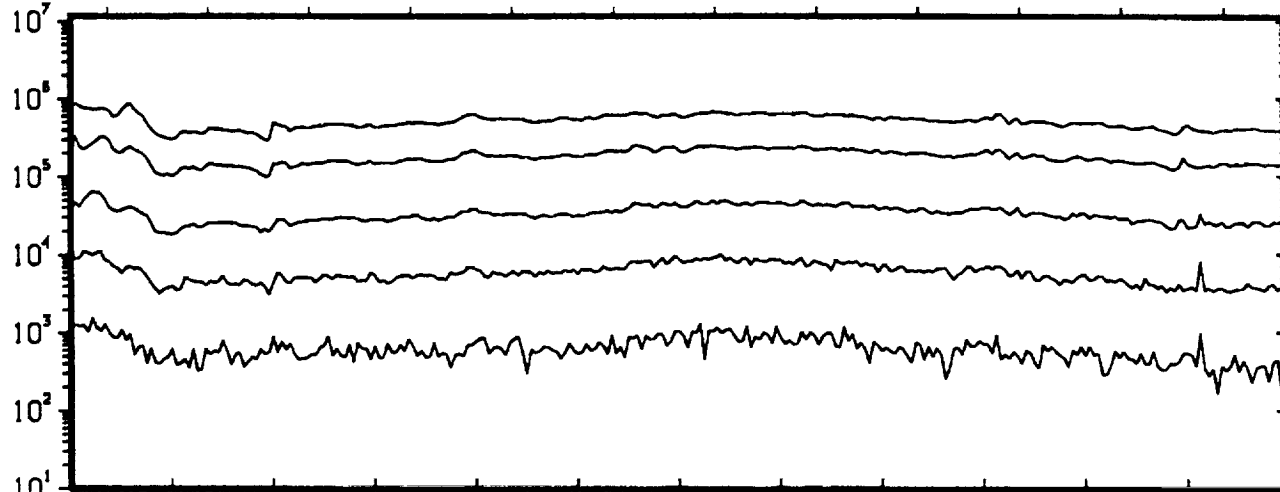
1981-025

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1982-019

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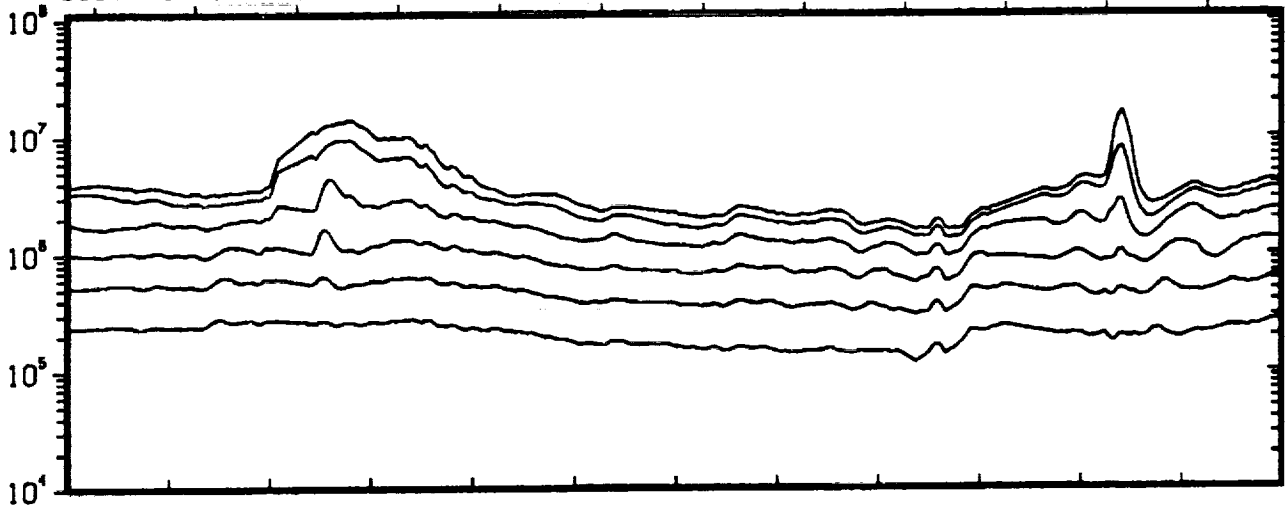
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

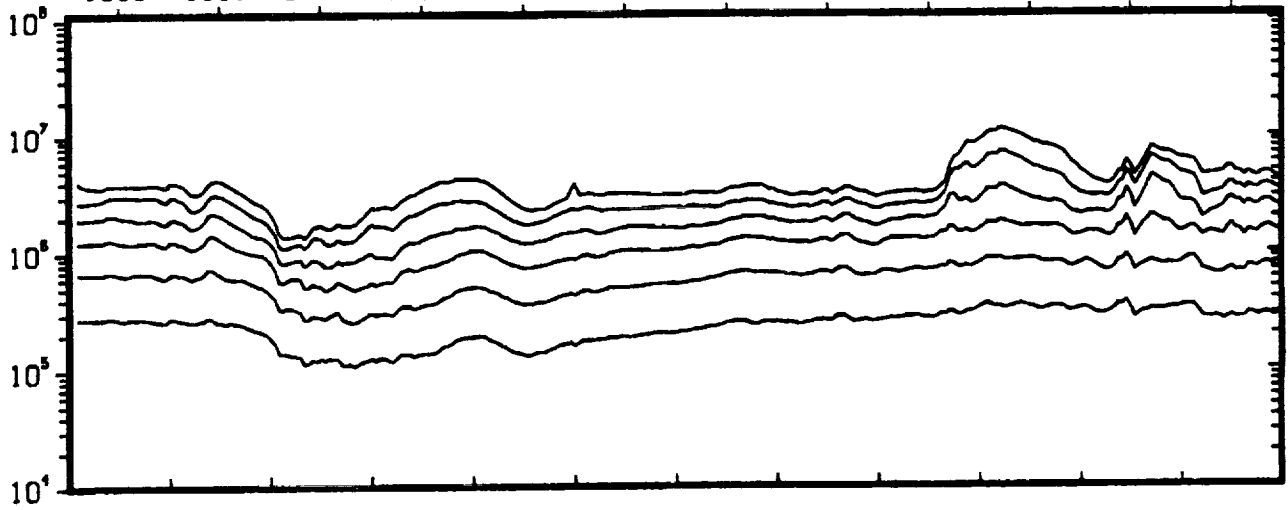
83/01/01

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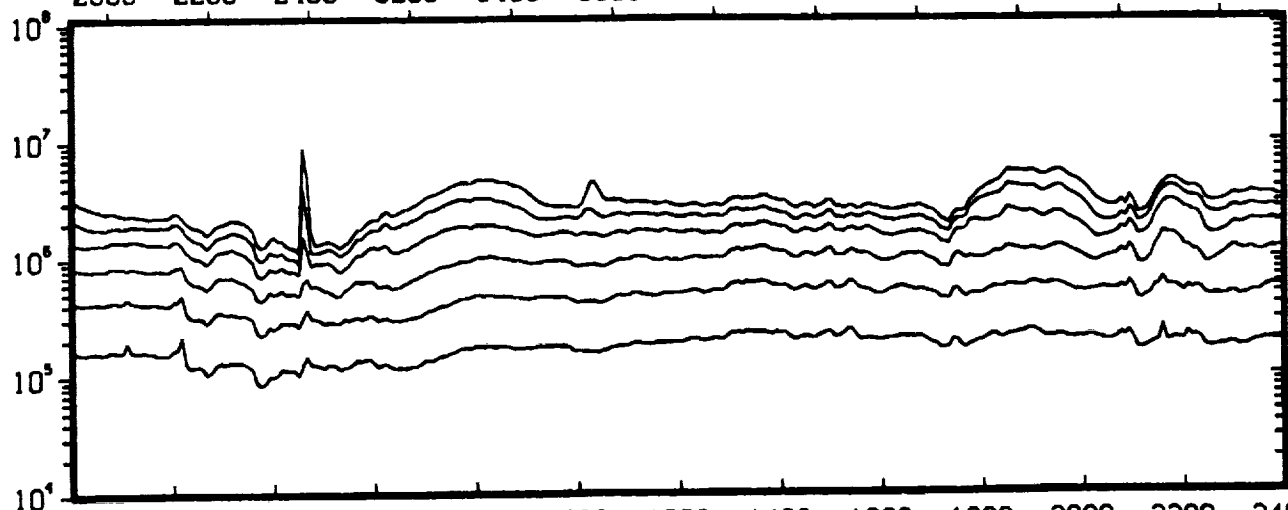
1981-025

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1982-019

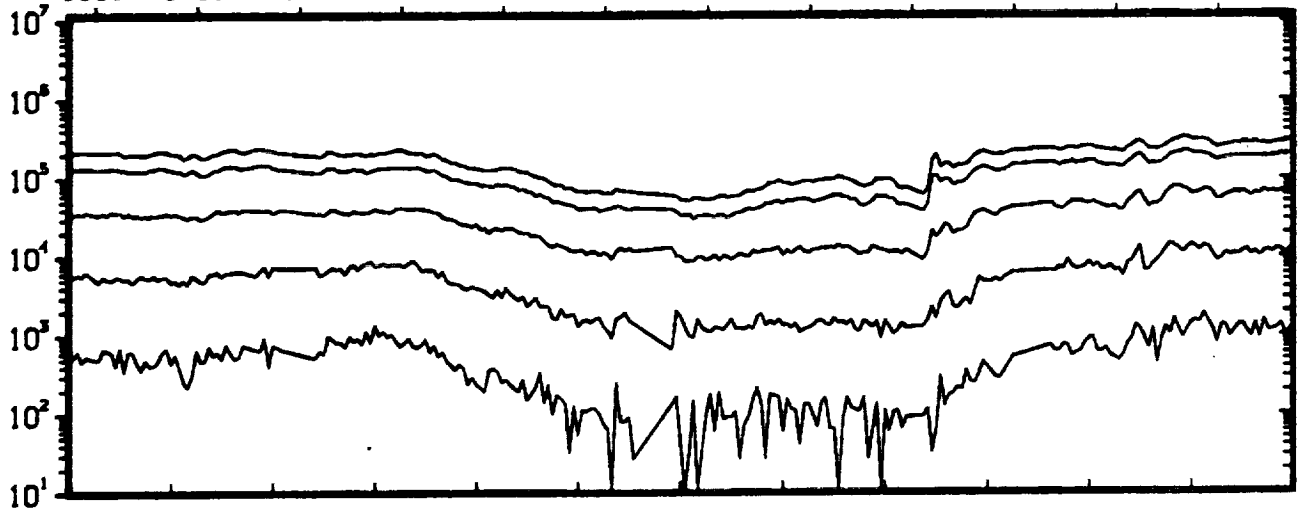
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

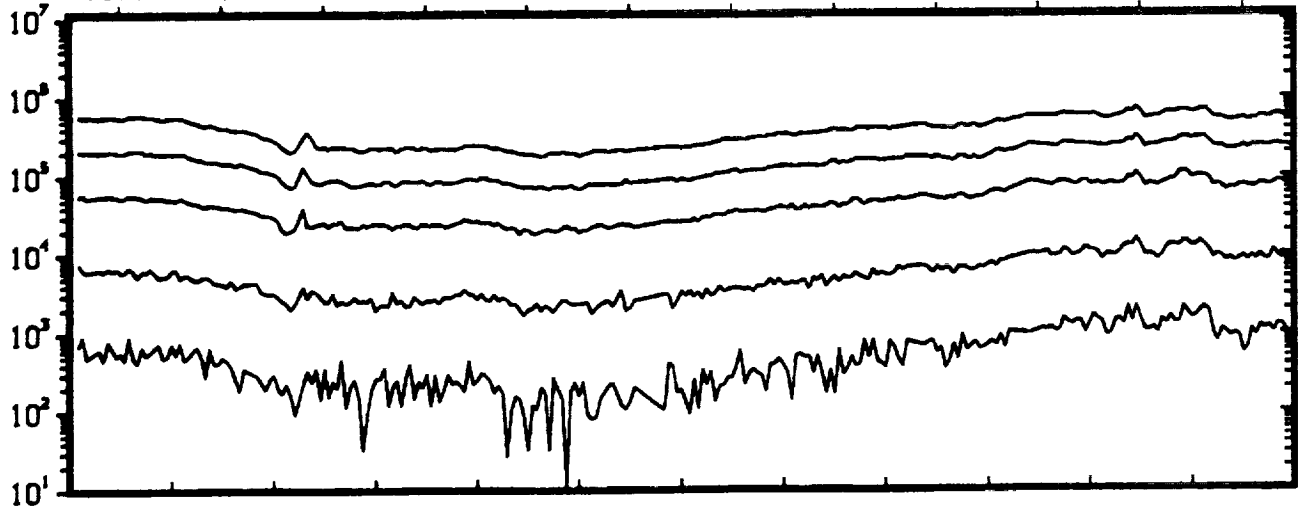
# LOW ENERGY IONS

1977-007 83/01/01  
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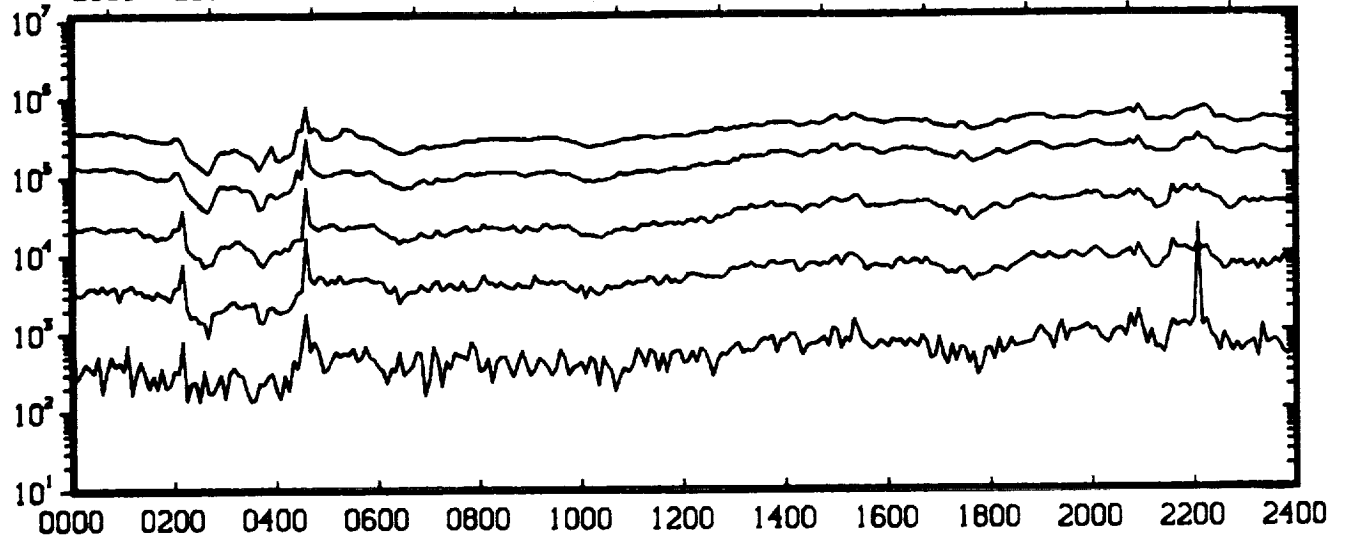


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

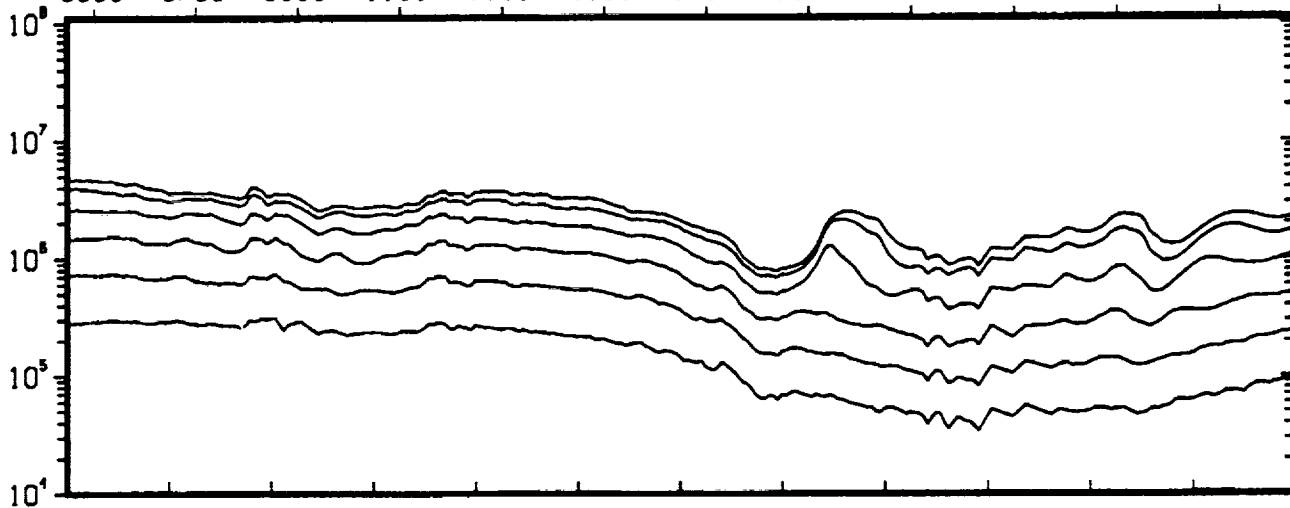


# LOW ENERGY ELECTRONS

1977-007

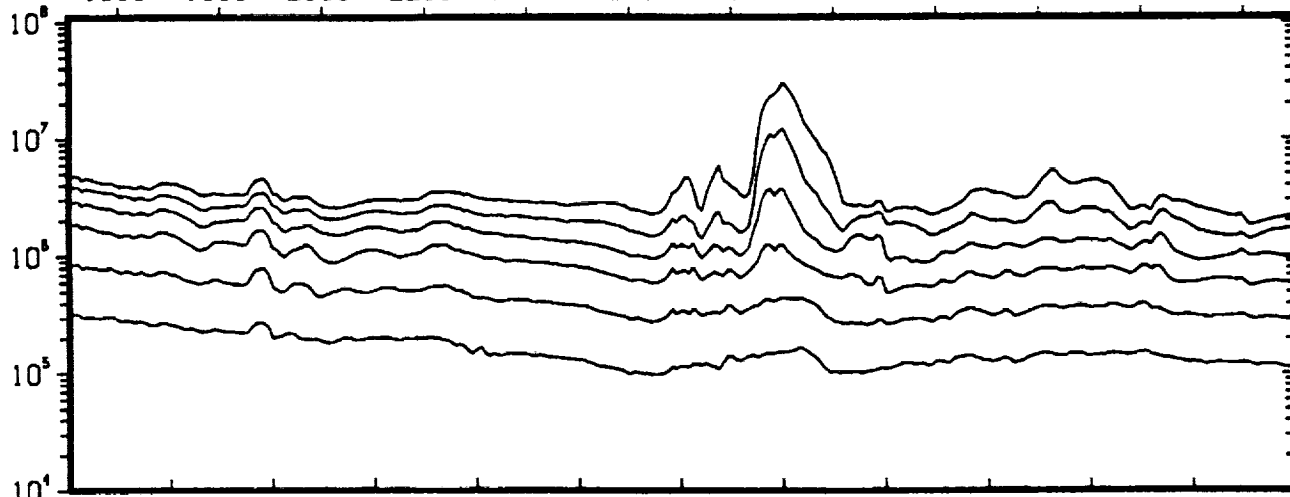
83/01/02

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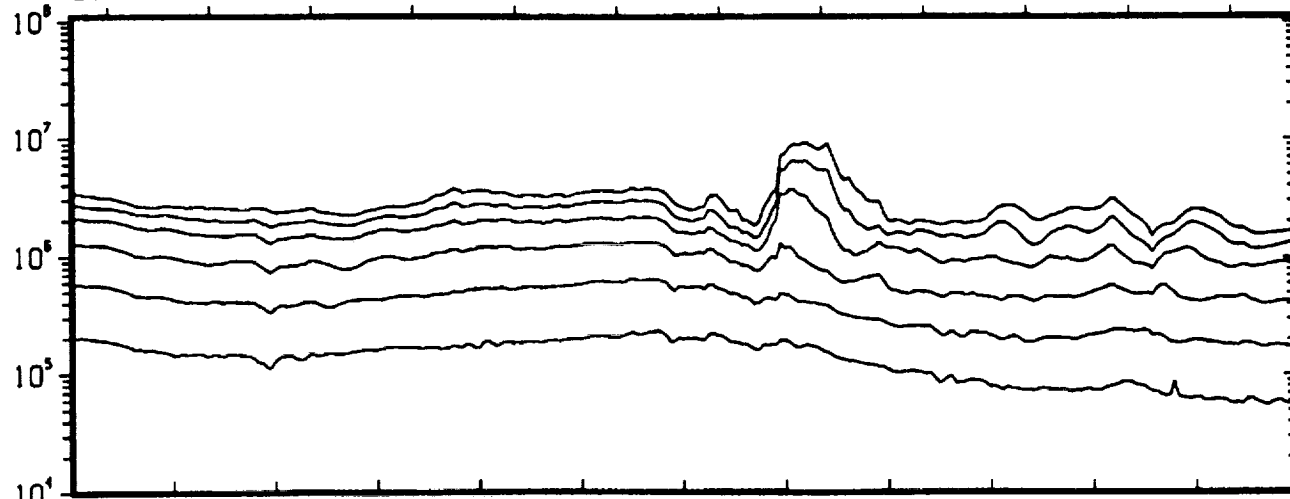
1981-025

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1982-019

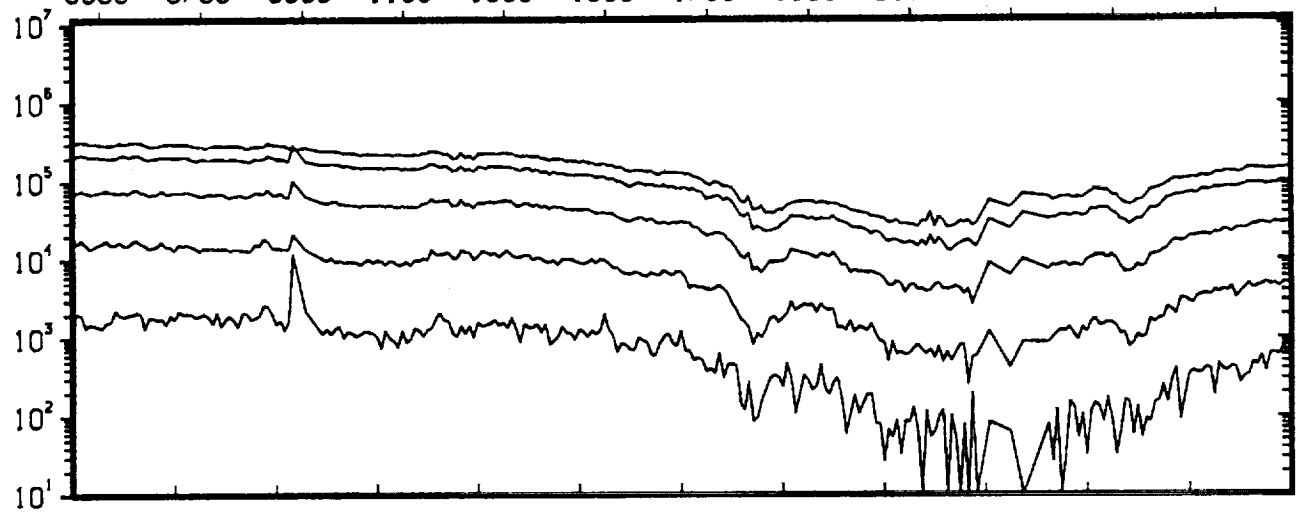
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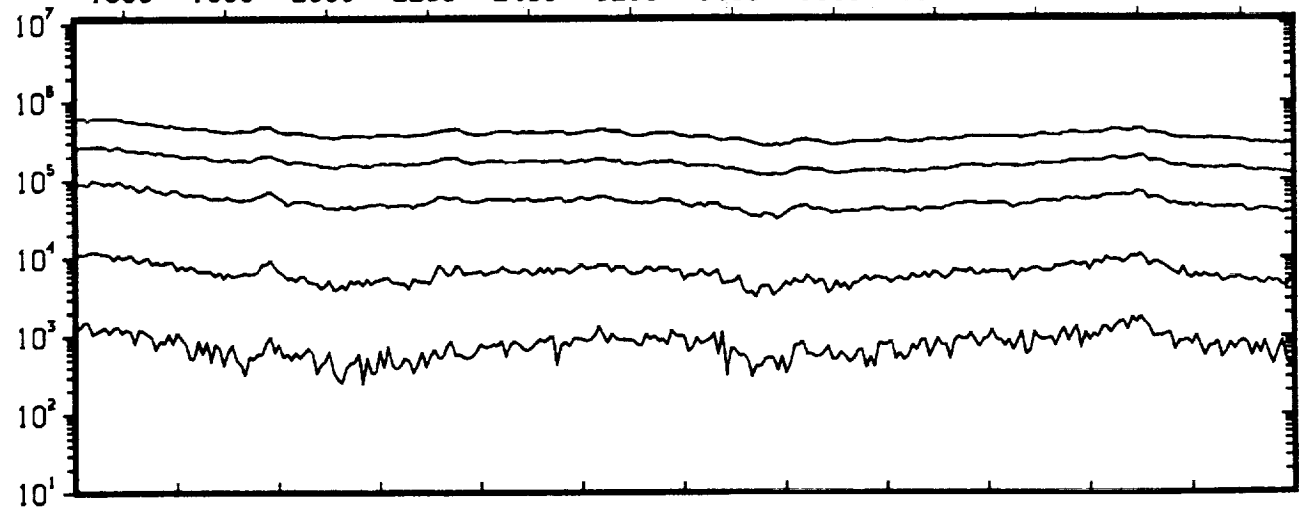
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

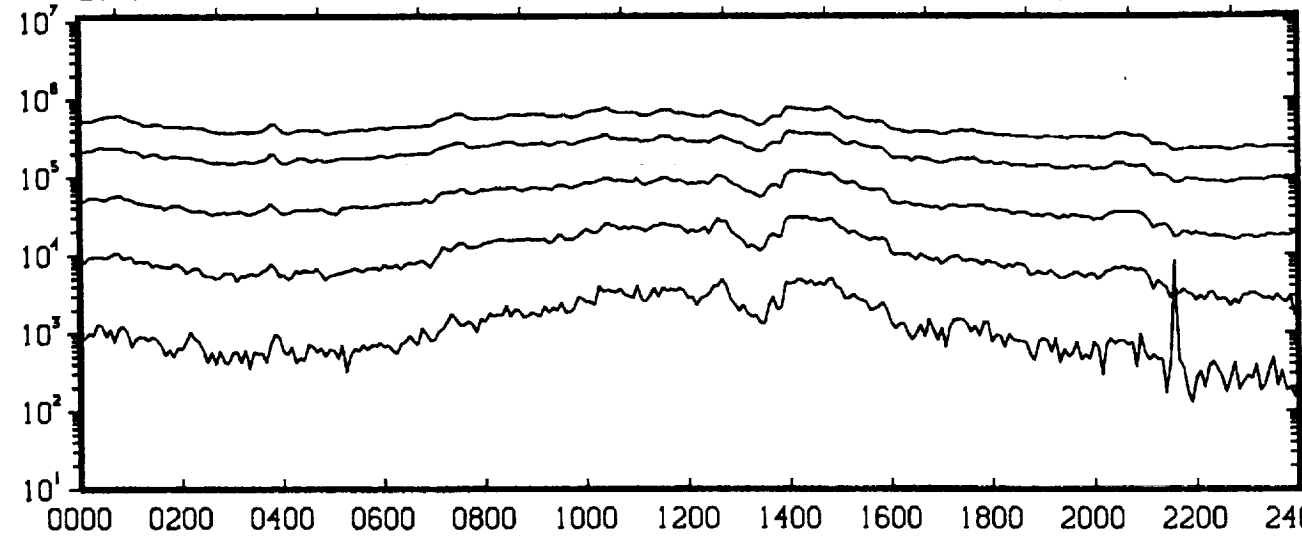
1977-007 83/01/02  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



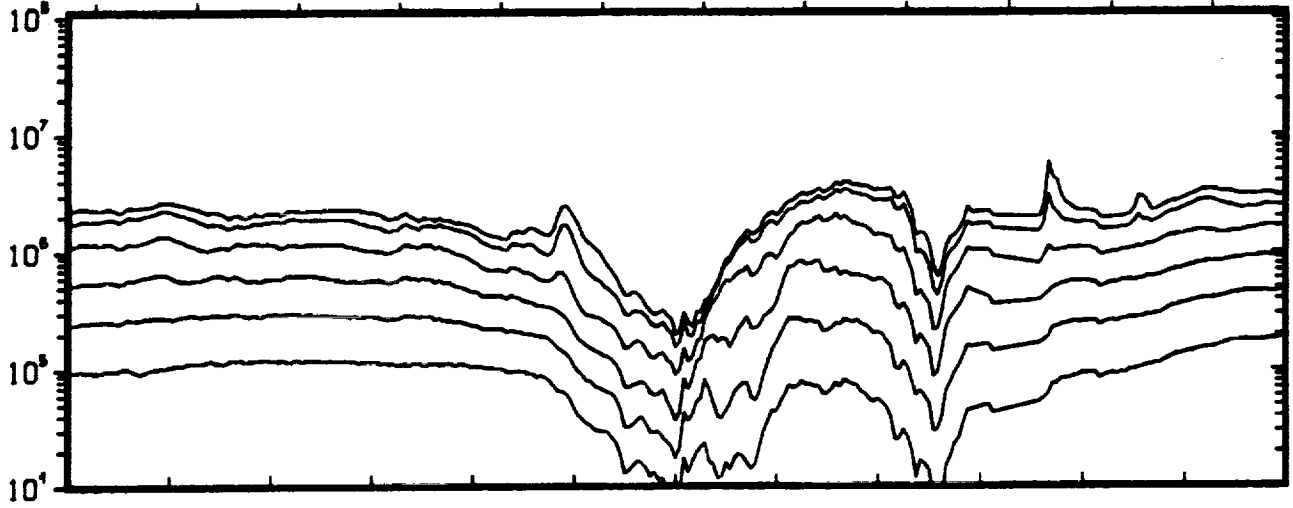
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

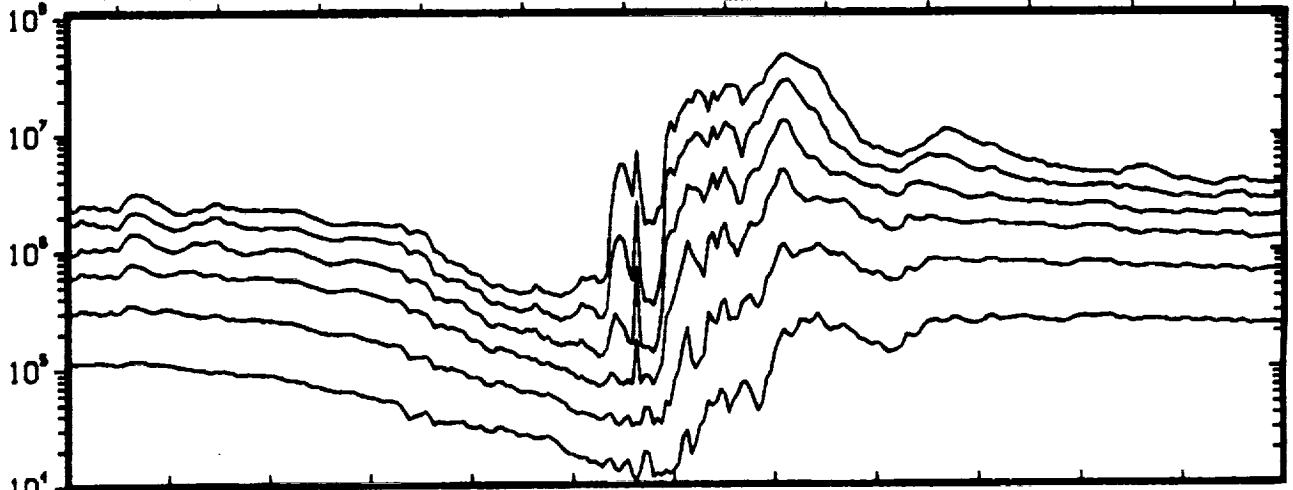
83/01/03

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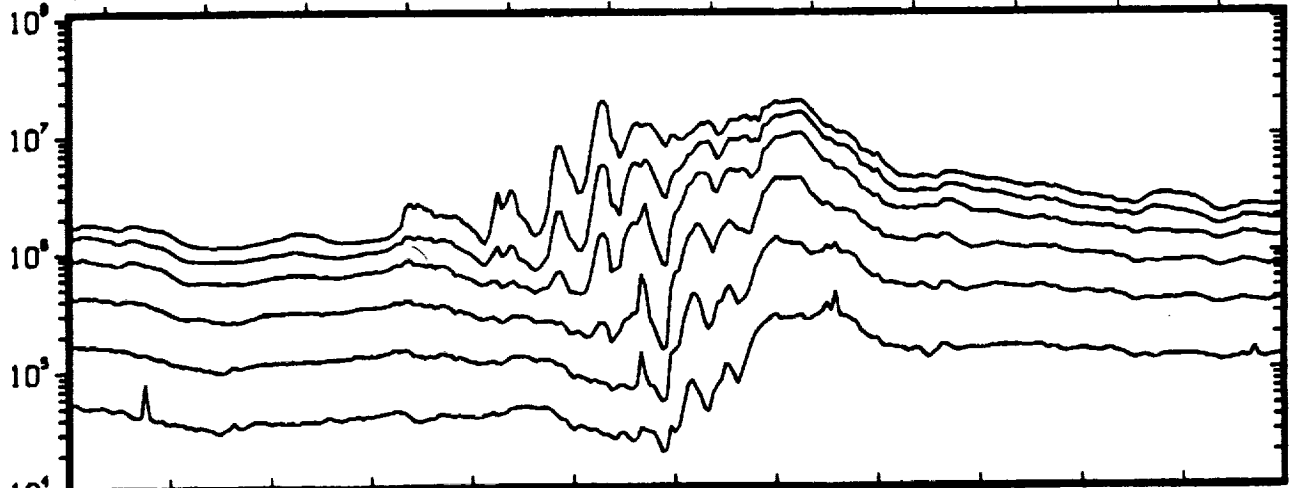
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



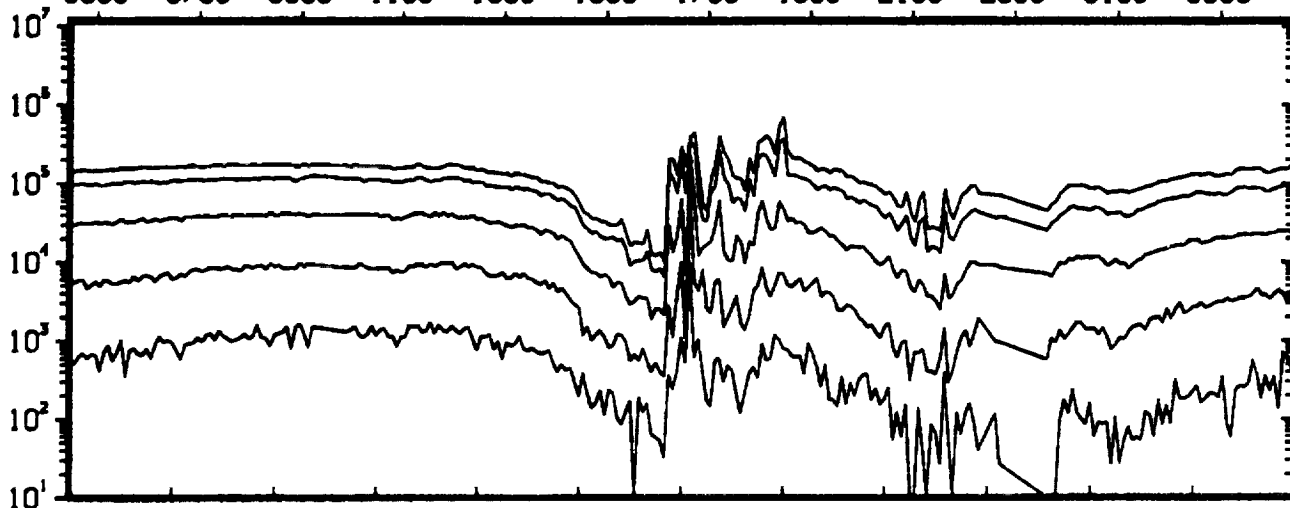
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

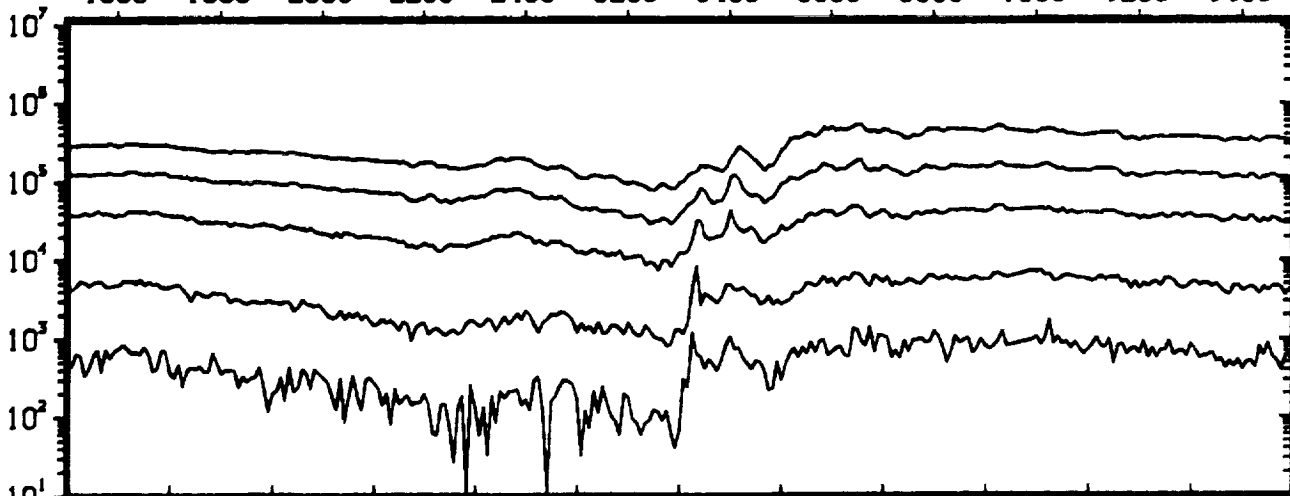
83/01/03

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



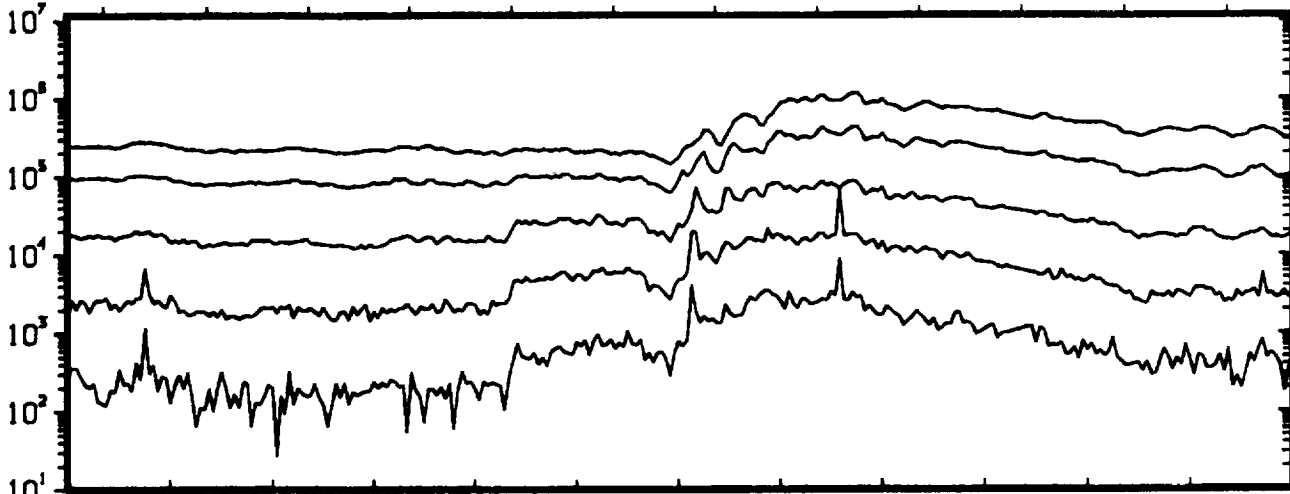
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



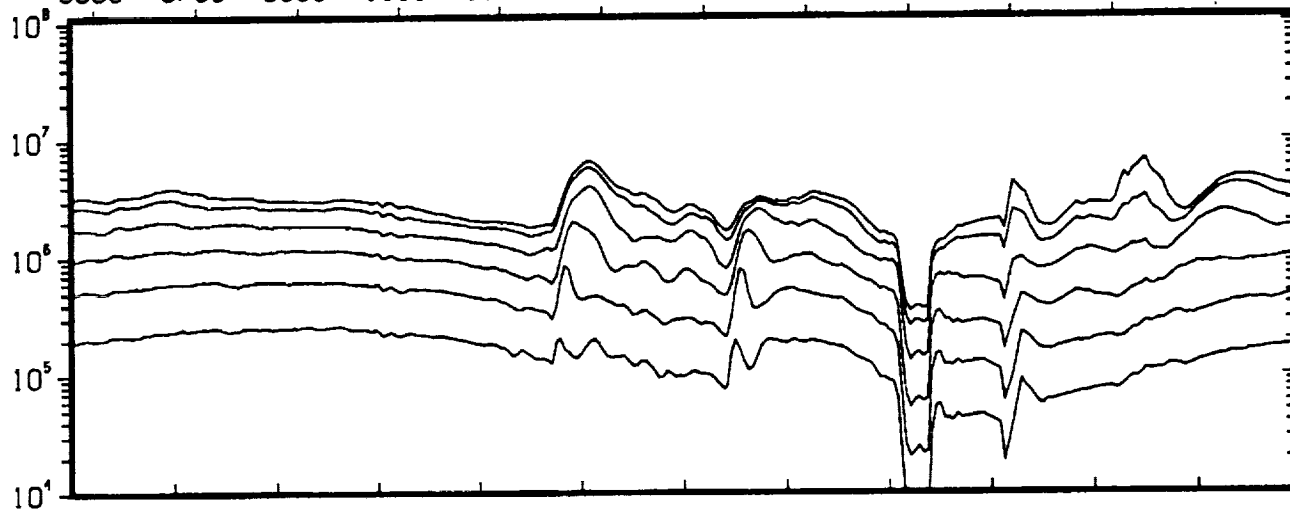
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

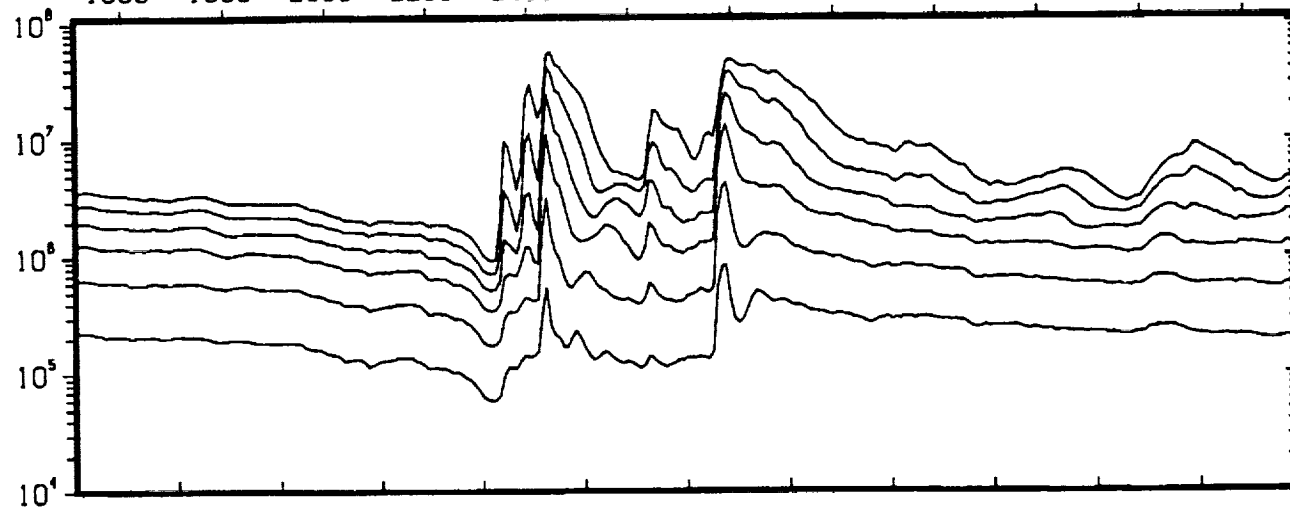
83/01/04

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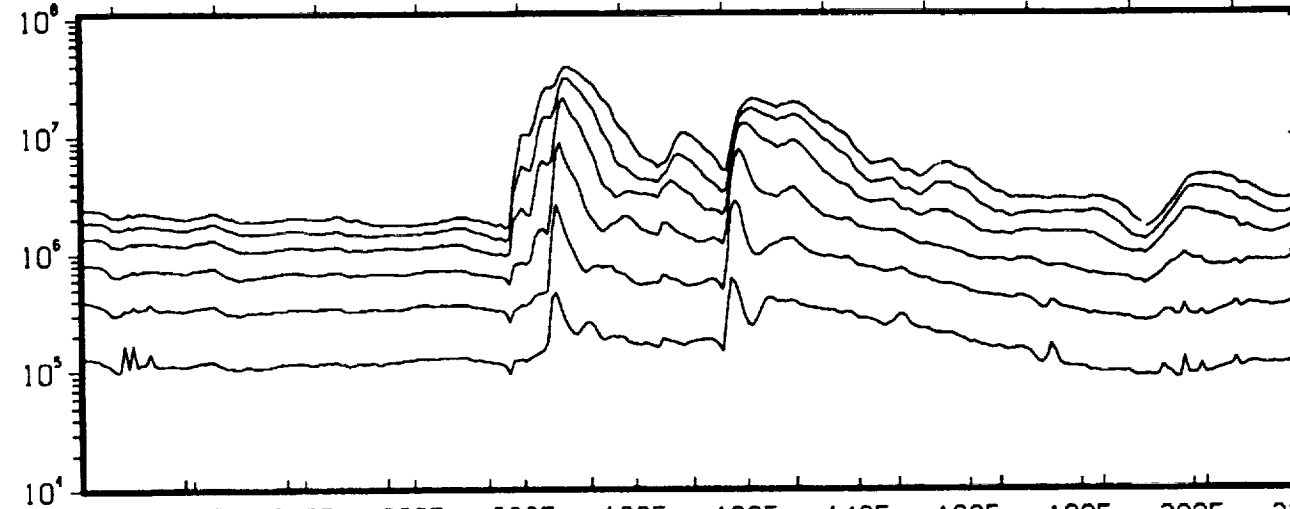
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

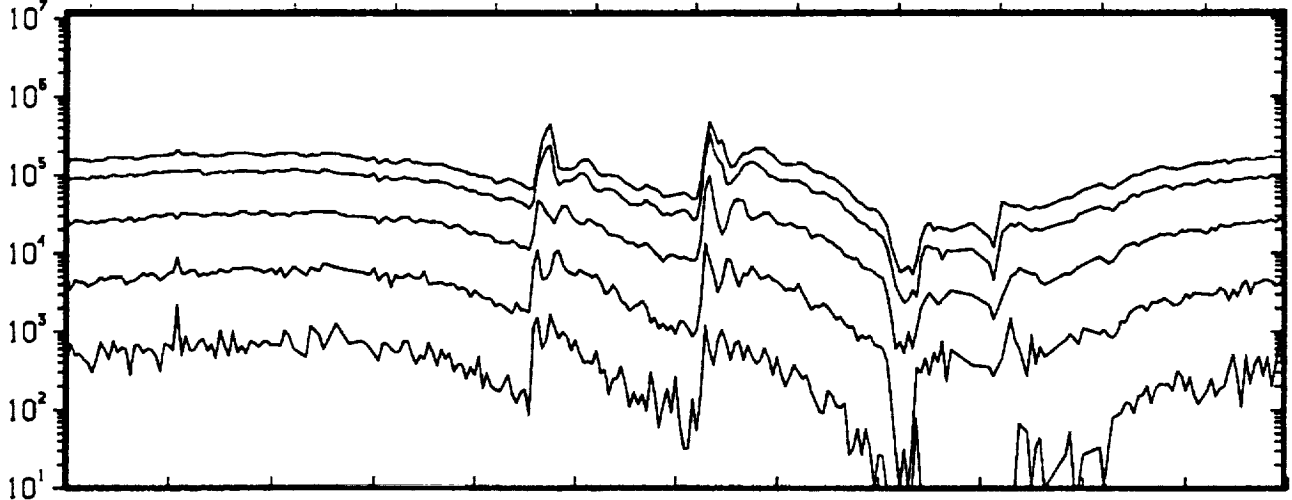


# LOW ENERGY IONS

1977-007

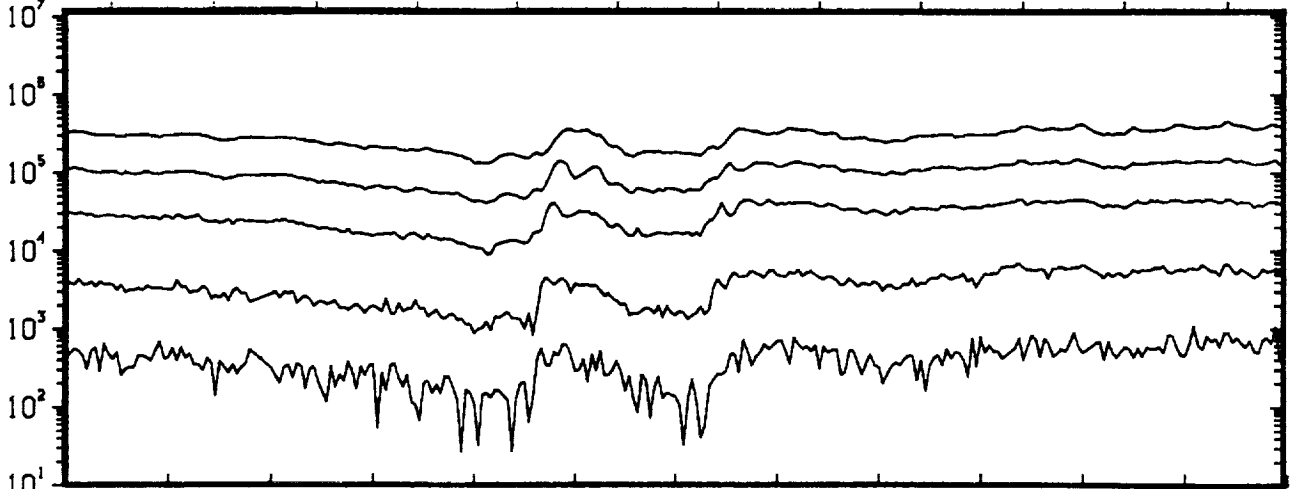
83/01/04

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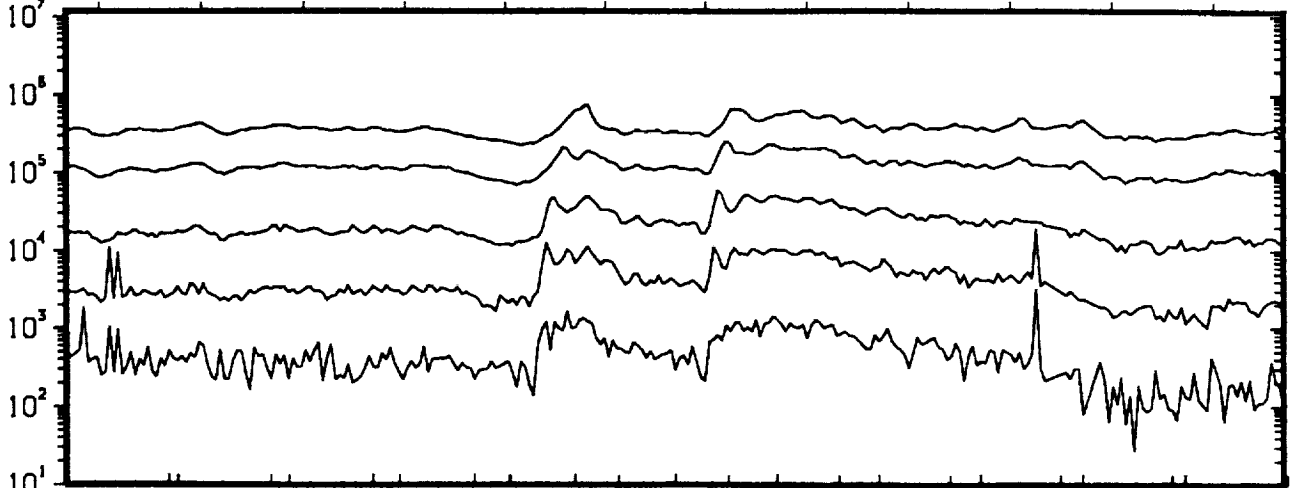
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



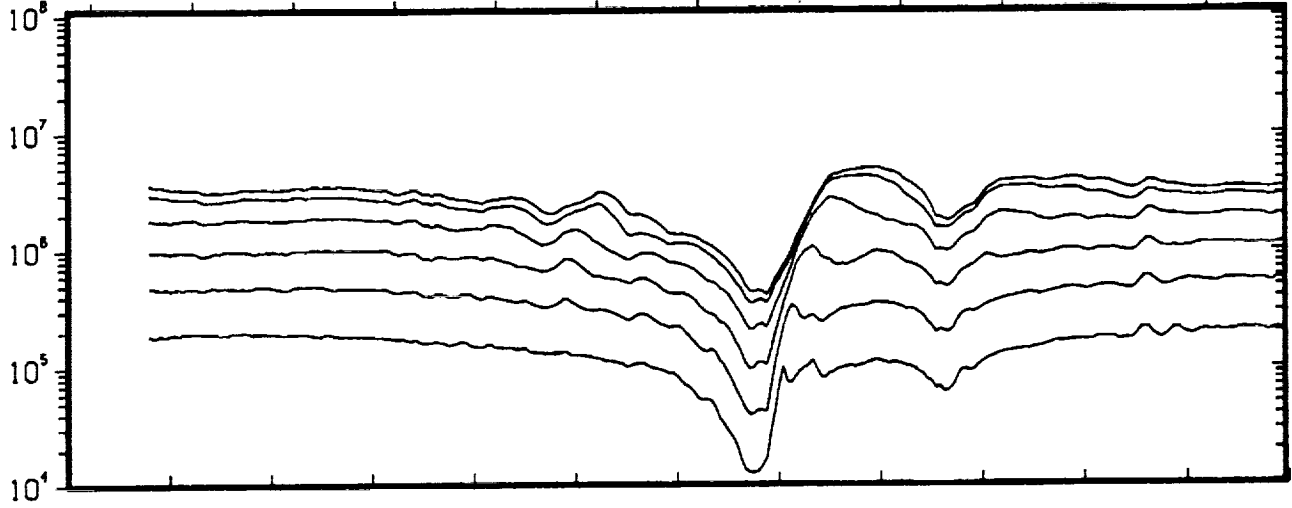
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

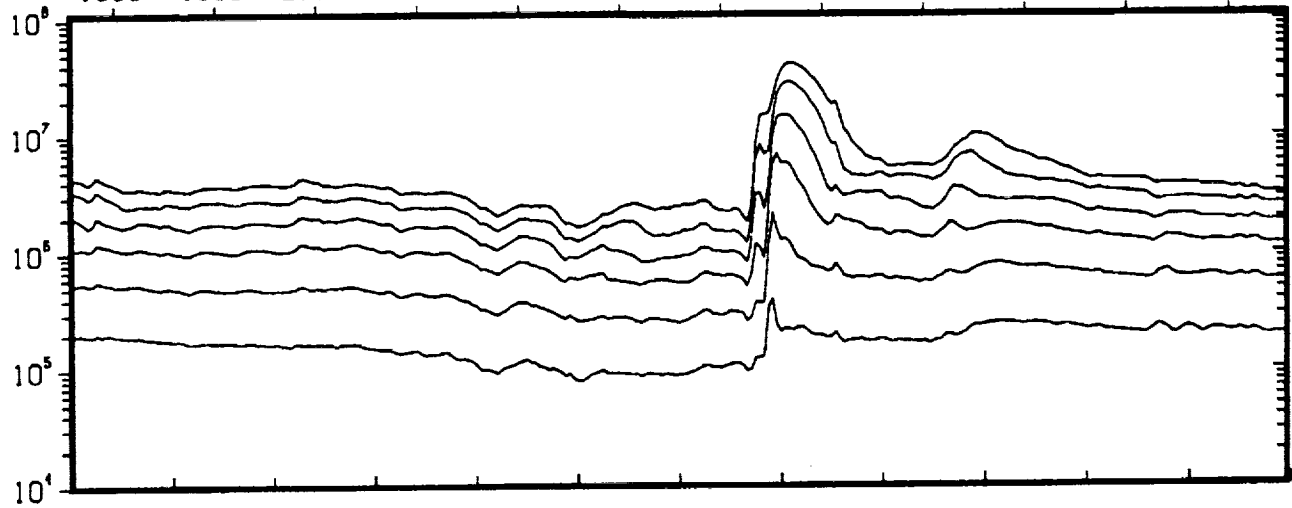
83/01/05

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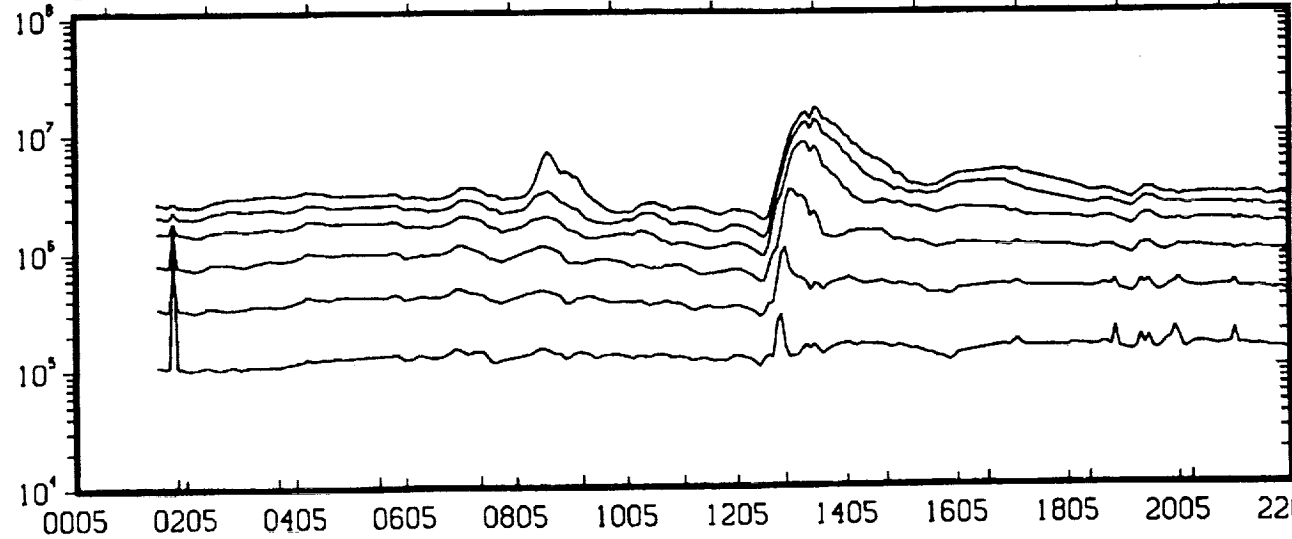
1981-025

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1982-019

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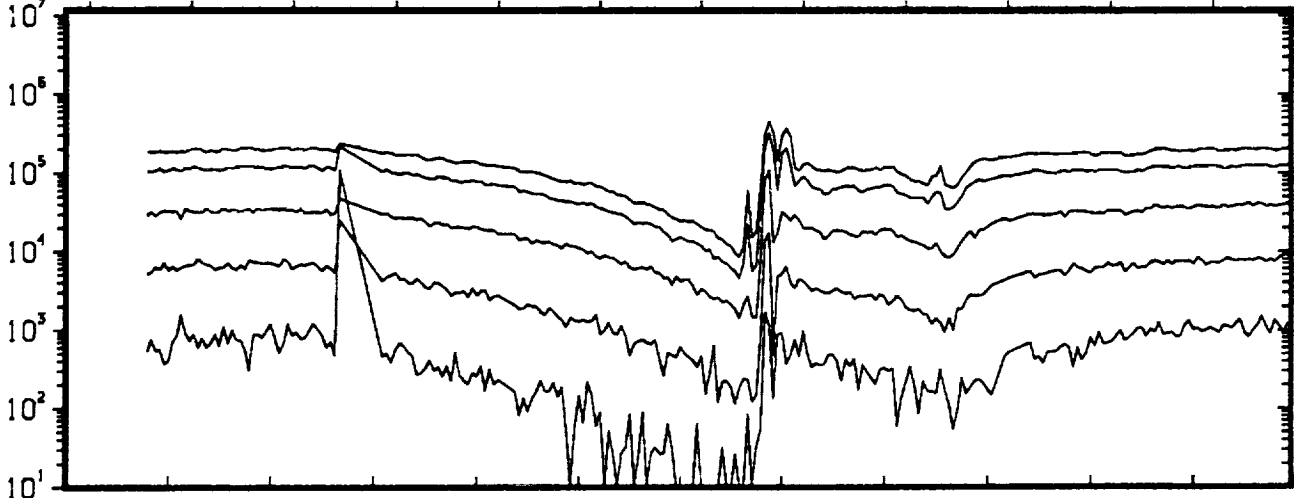
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

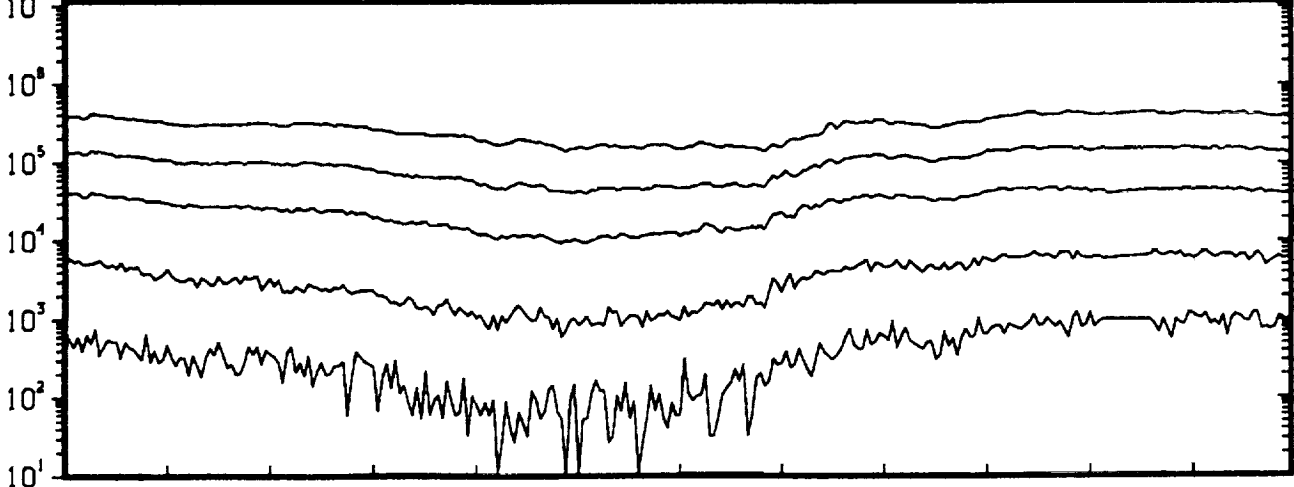
83/01/05

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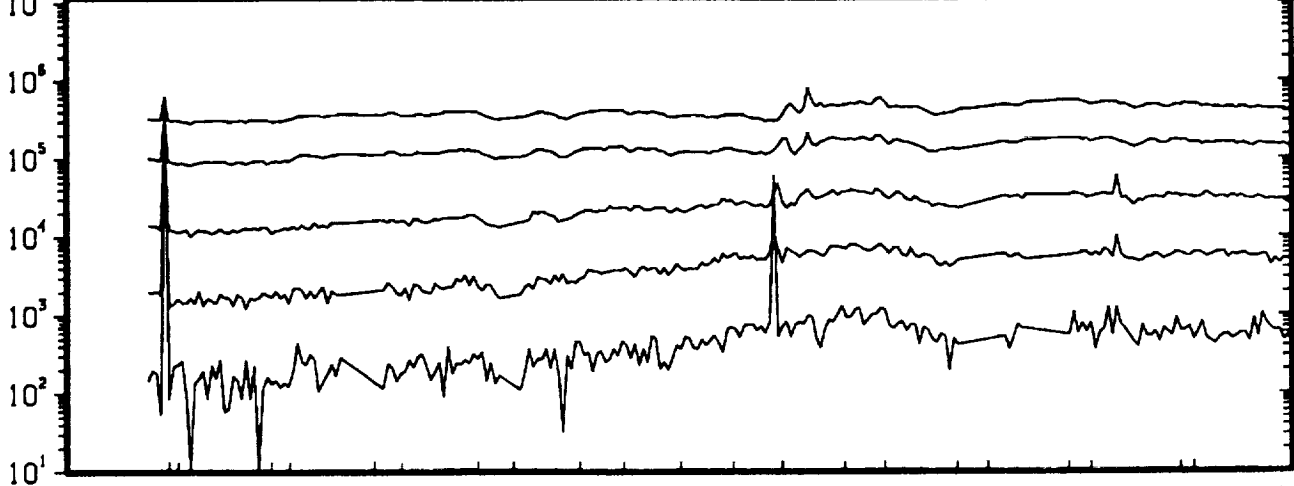
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1982-019

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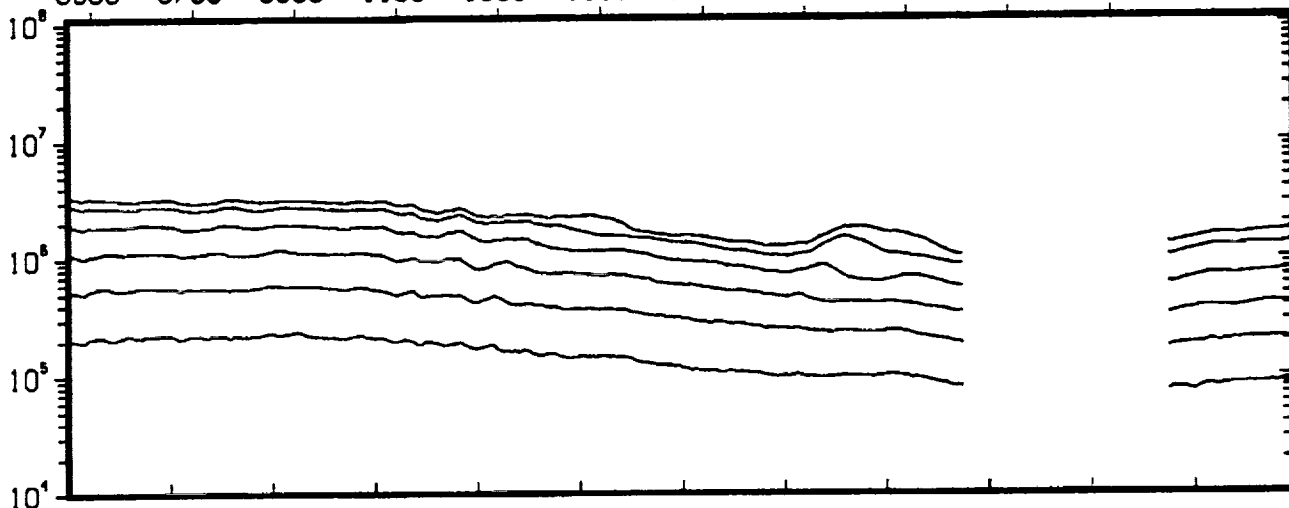
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

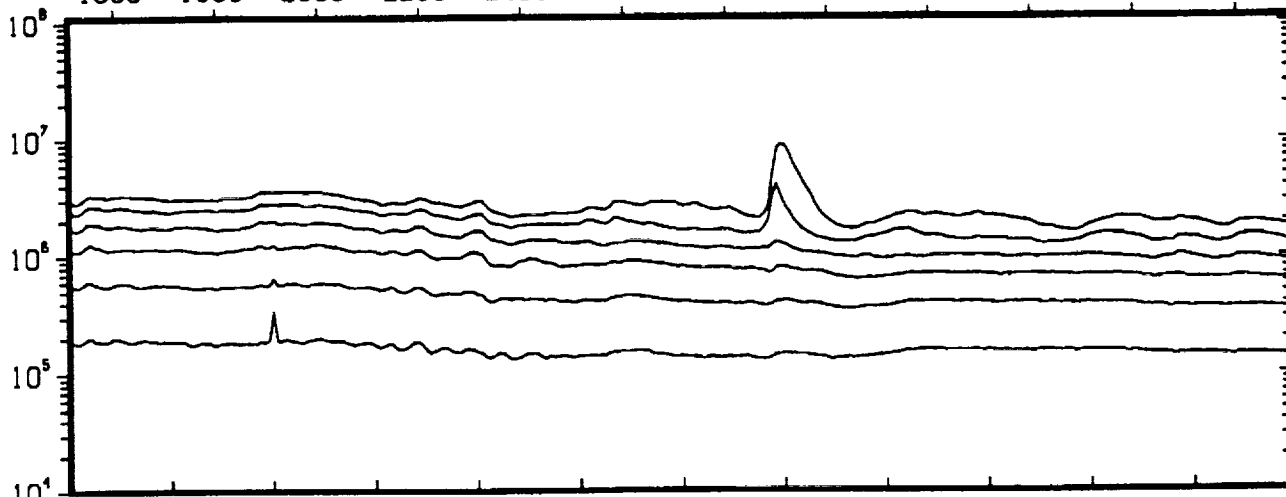
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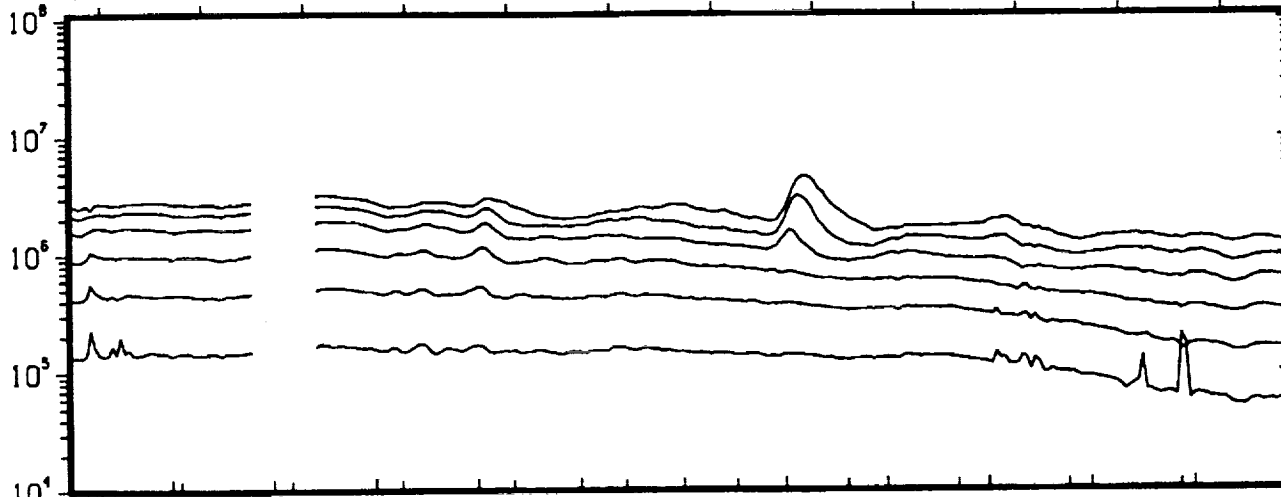
1981-025

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1982-019

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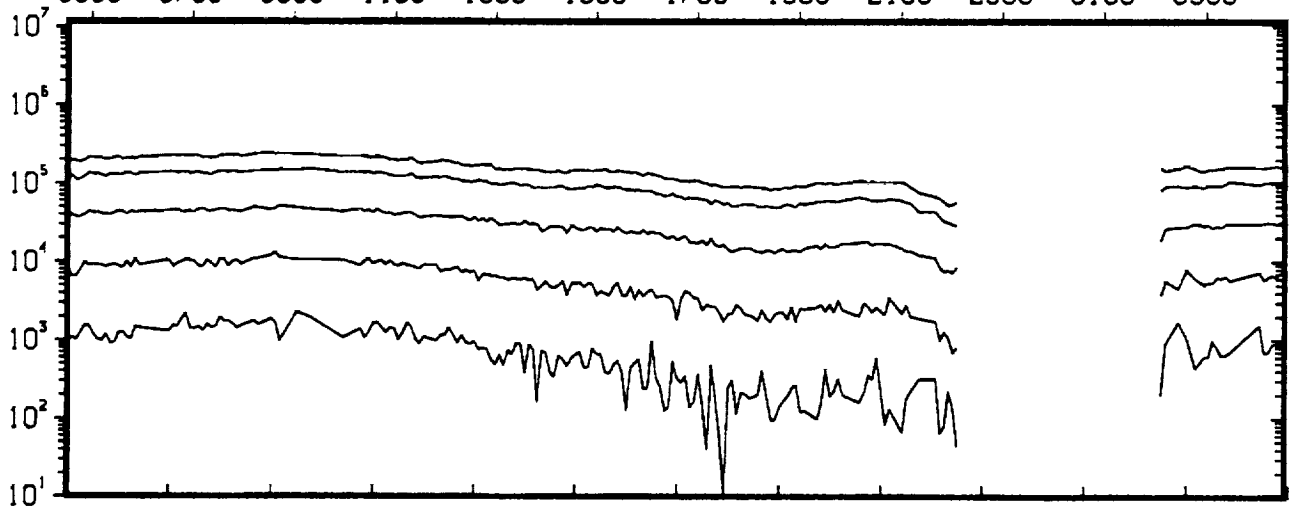
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/01/06

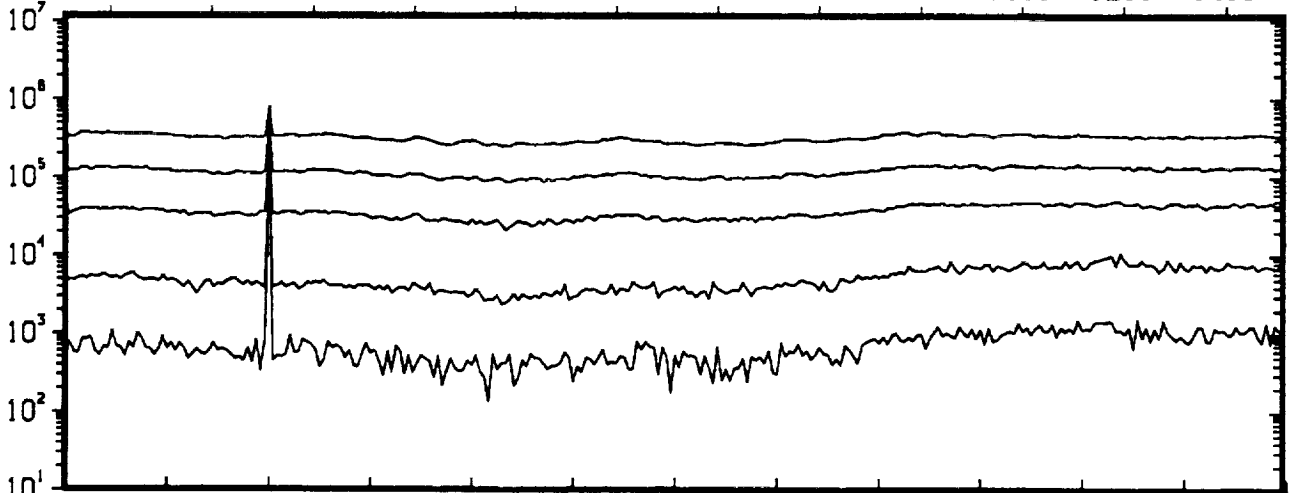
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1981-025

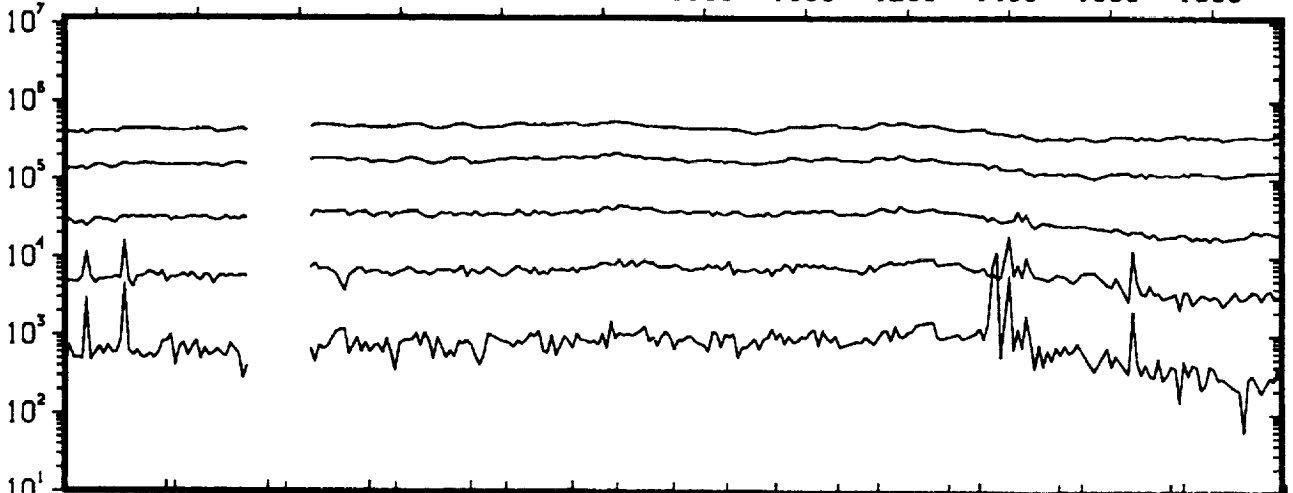
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400

INTEGRAL FLUX - CM<sup>-2</sup> S<sup>-1</sup> SR<sup>-1</sup>



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



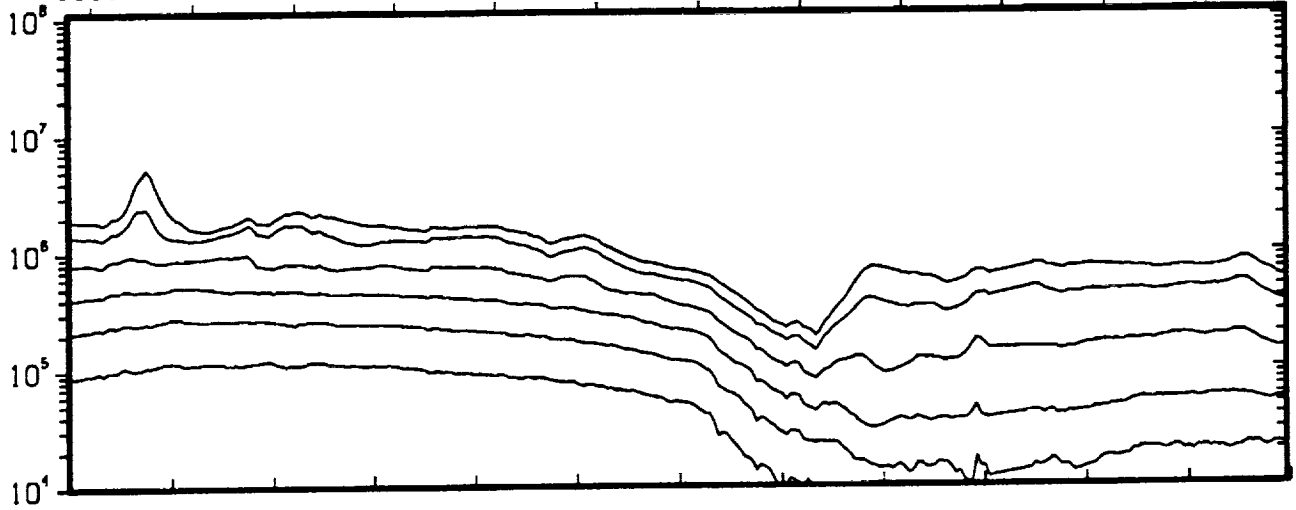
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# LOW ENERGY ELECTRONS

1977-007

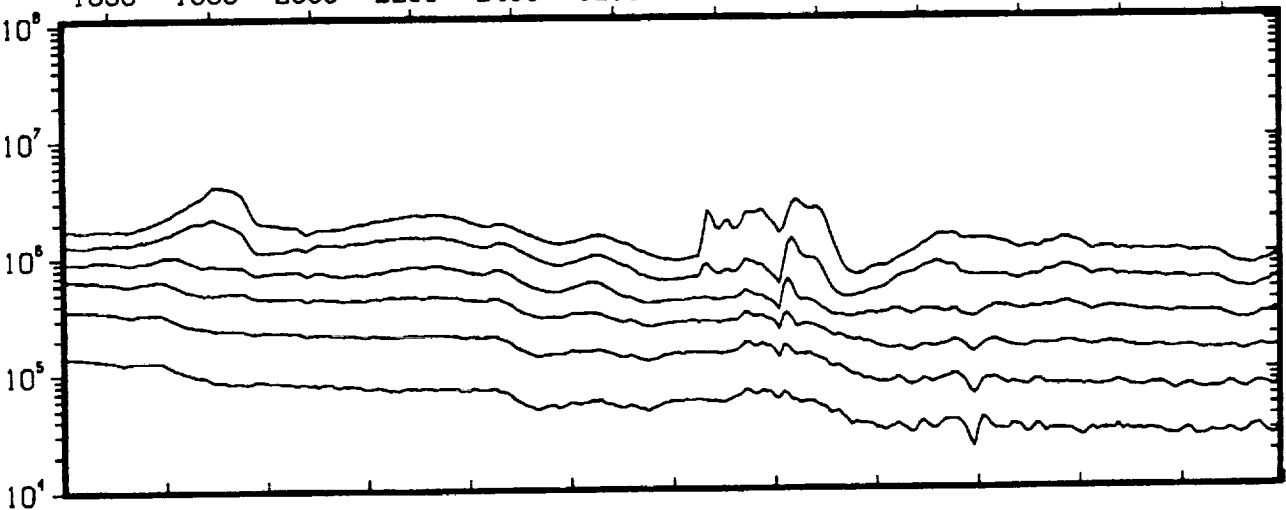
83/01/07

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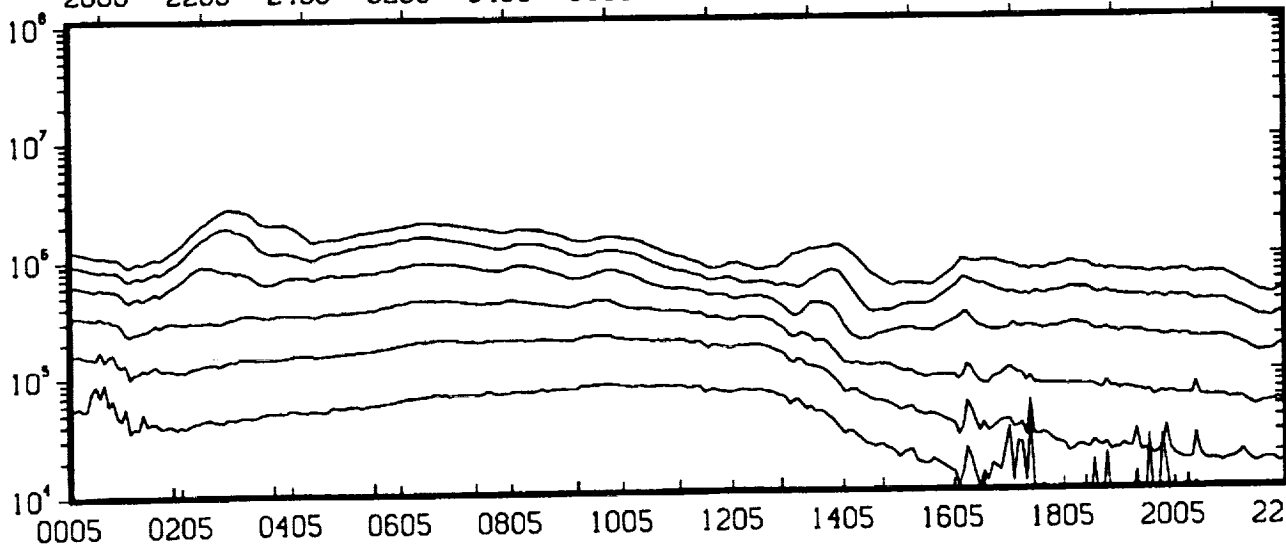
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



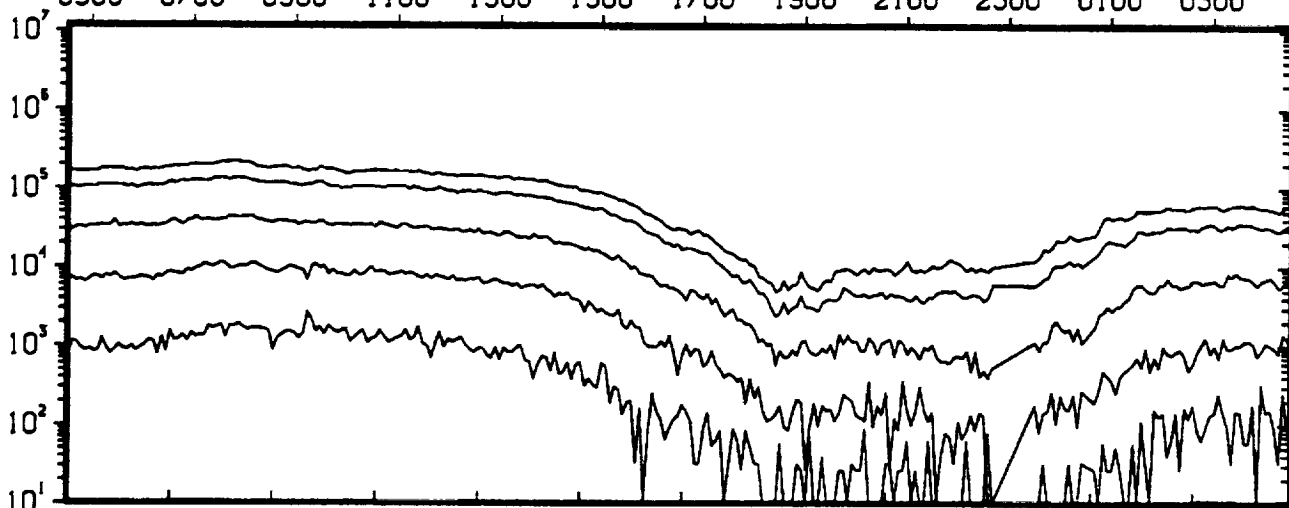
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

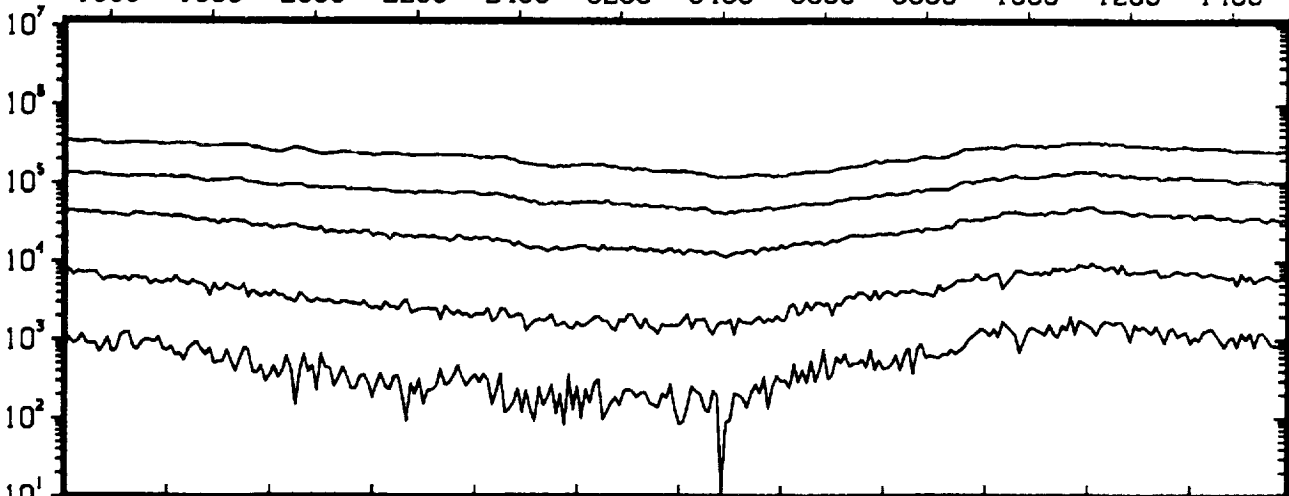
83/01/07

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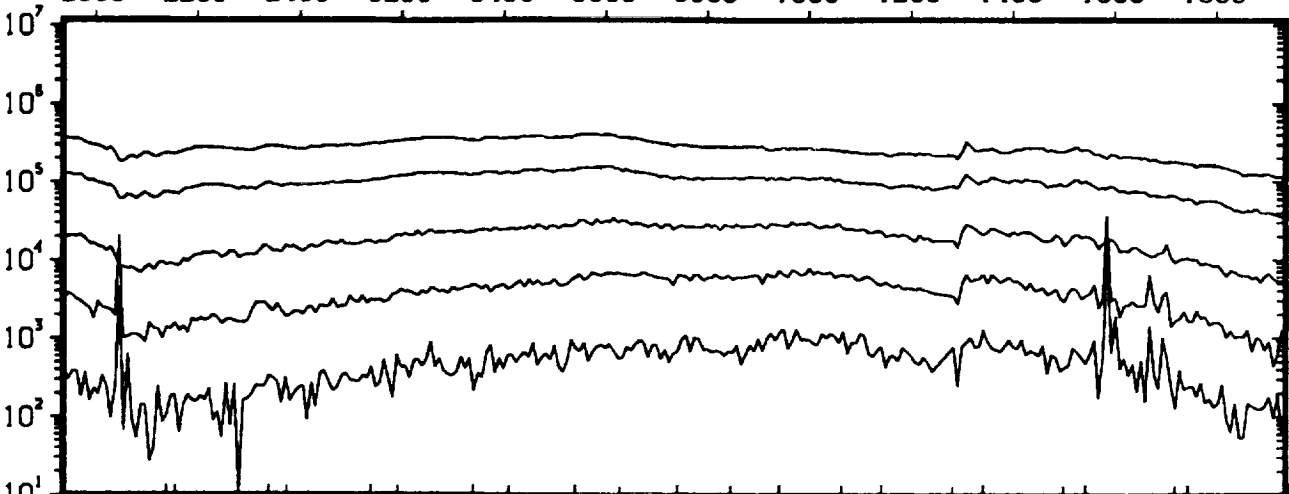
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

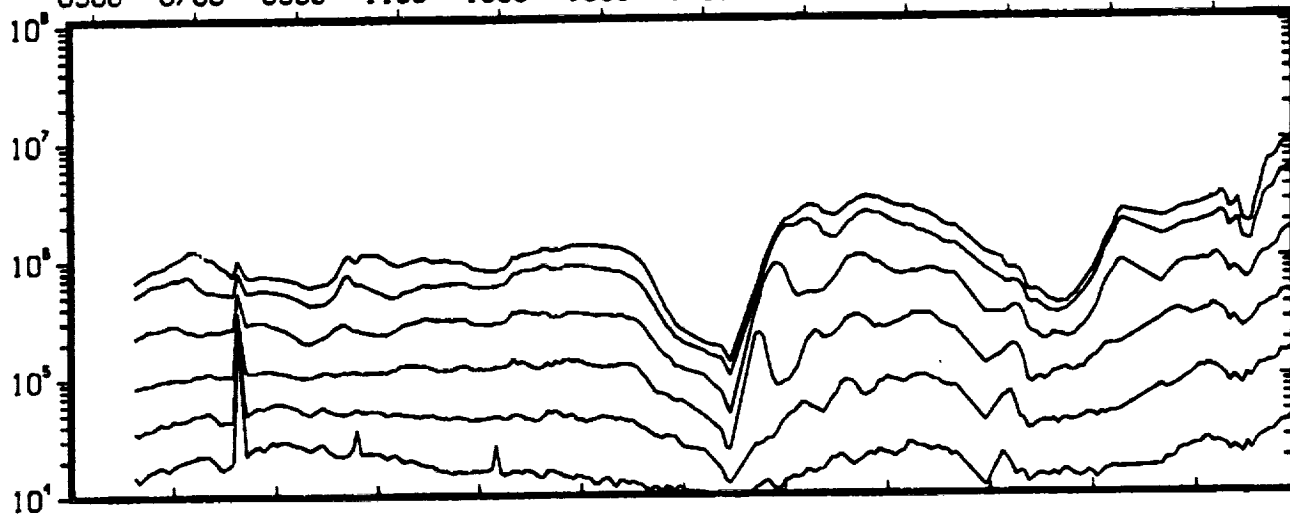
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# LOW ENERGY ELECTRONS

1977-007

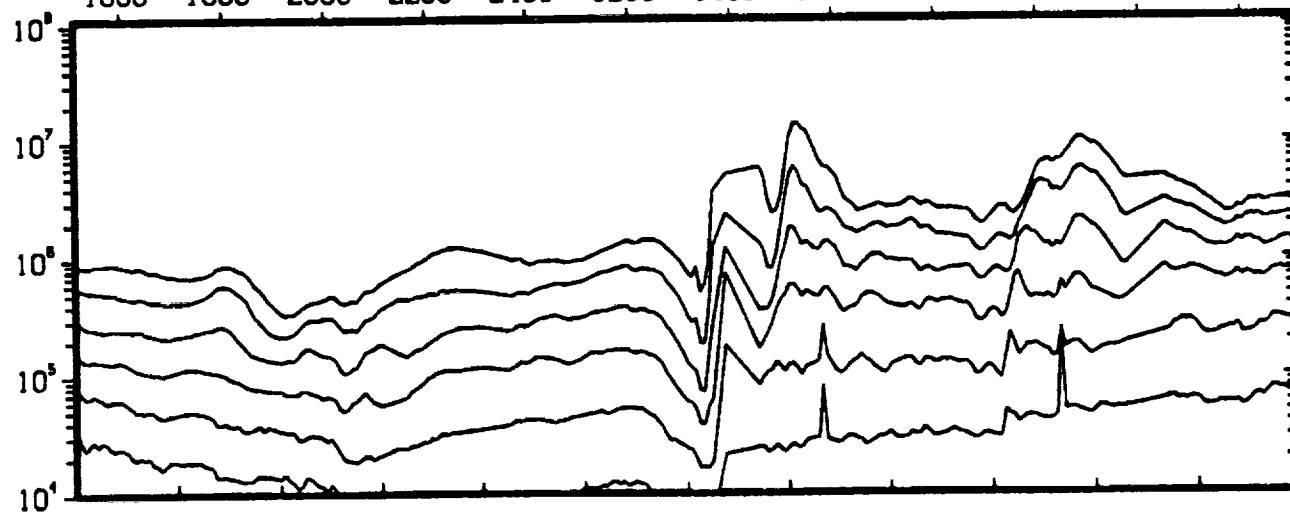
83/01/08

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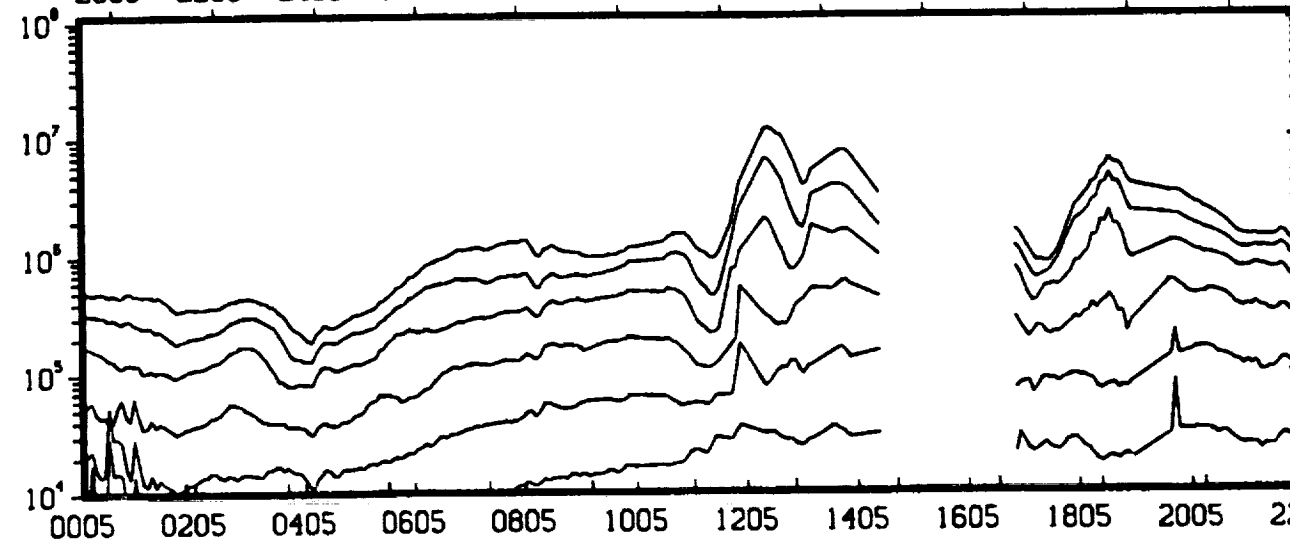
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

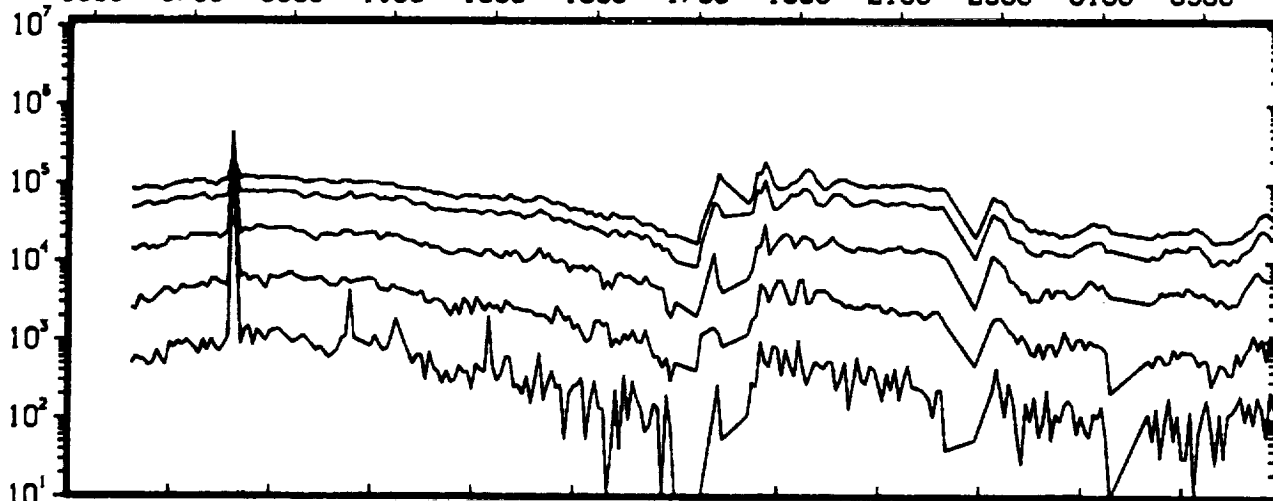


# LOW ENERGY IONS

1977-007

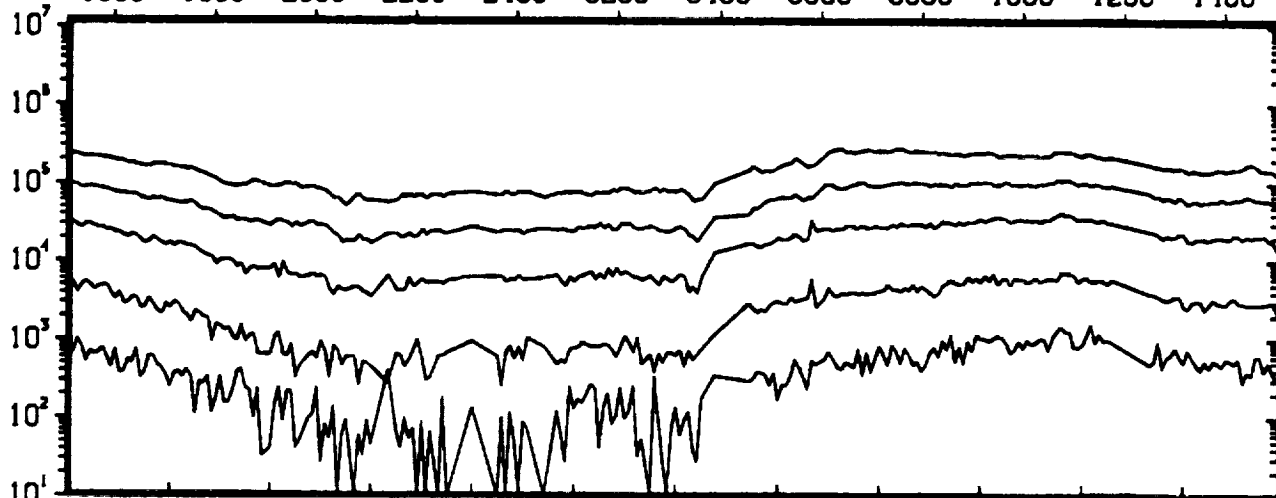
83/01/08

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



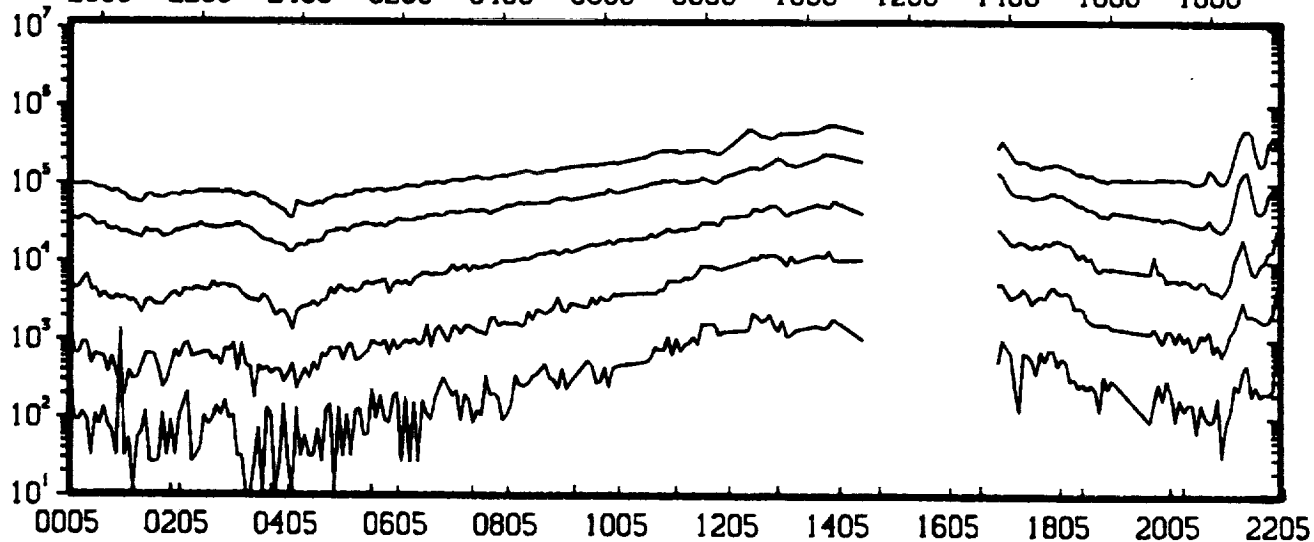
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



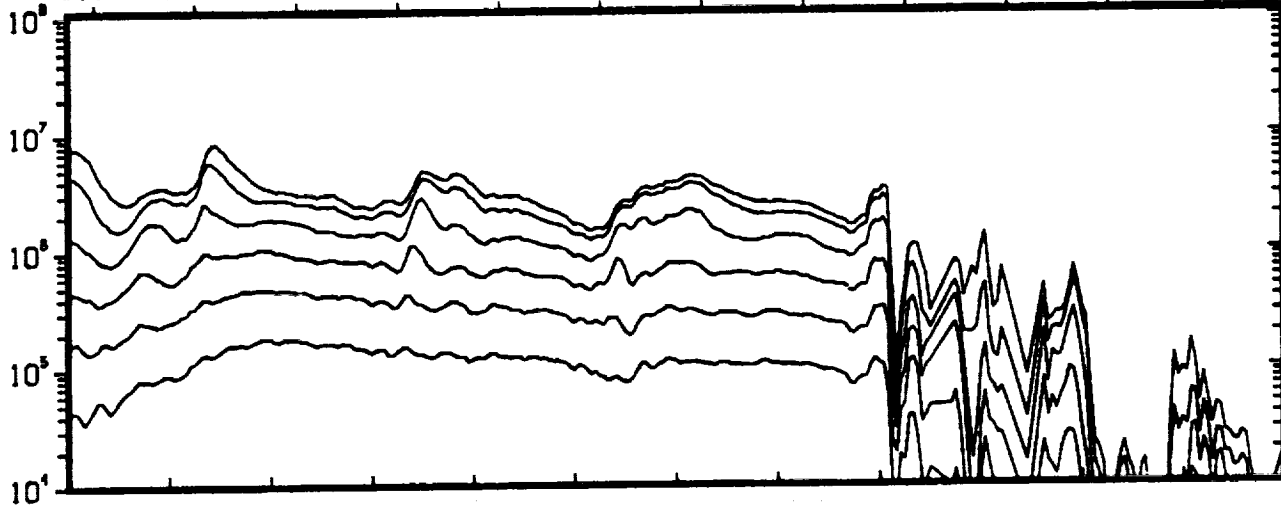
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

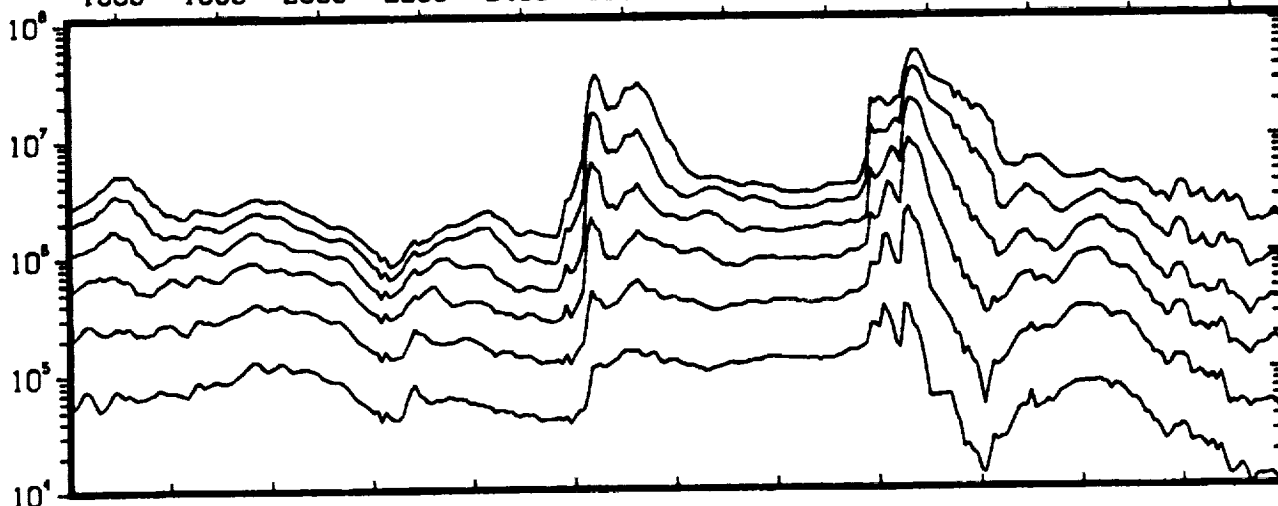
83/01/09

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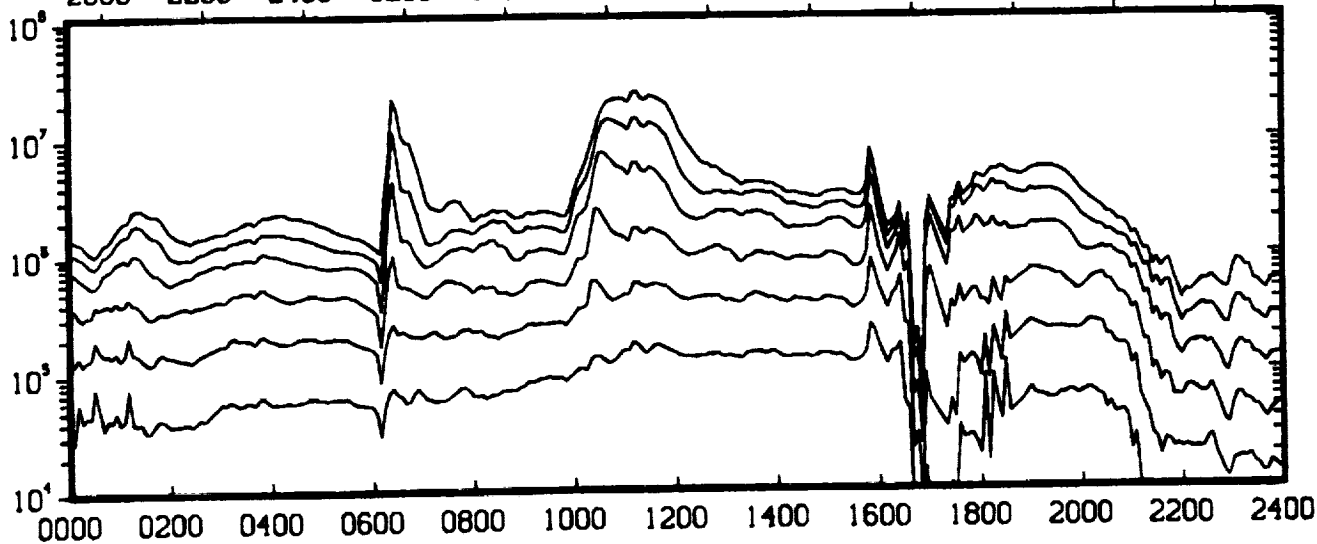
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



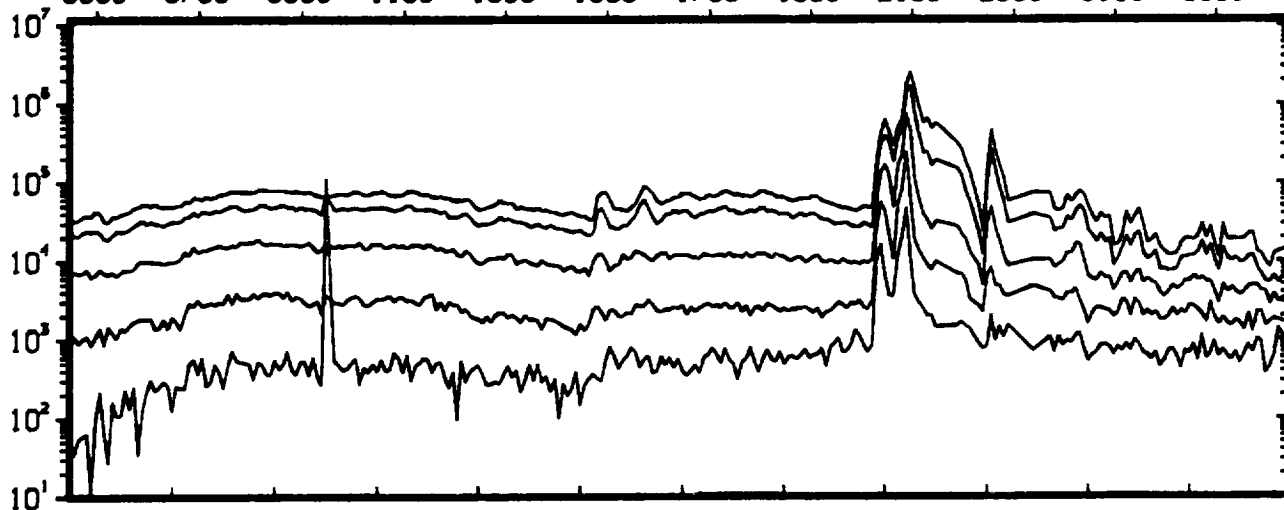
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

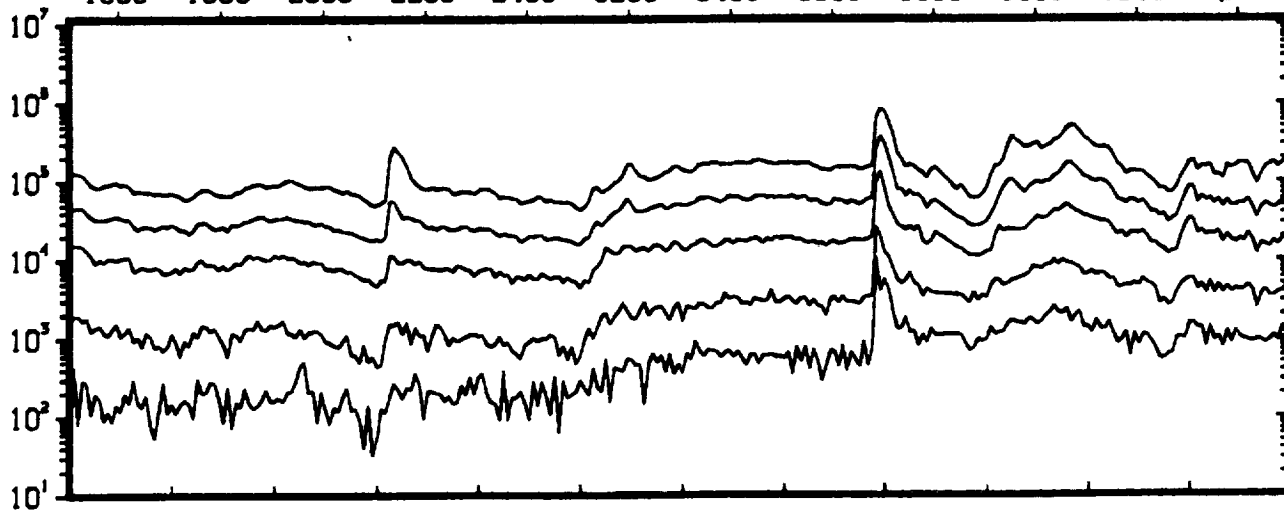
83/01/09

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



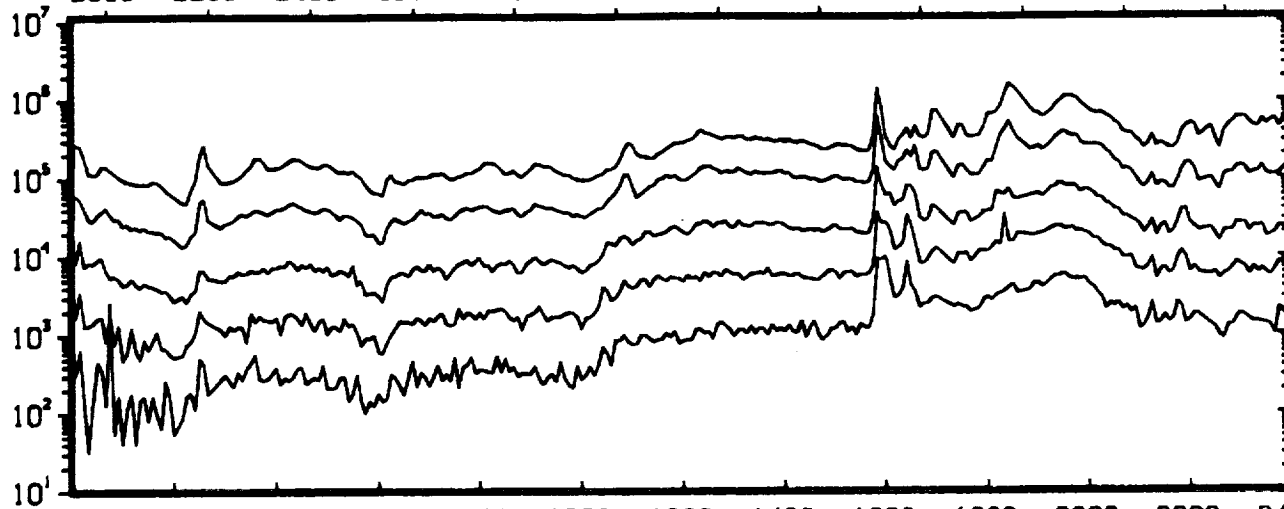
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



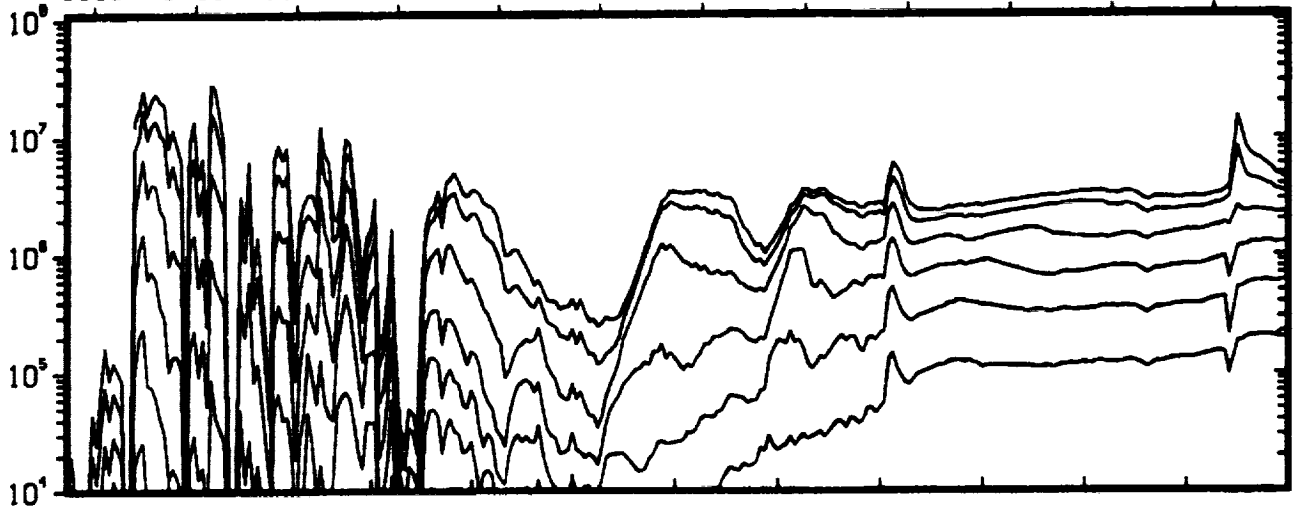
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

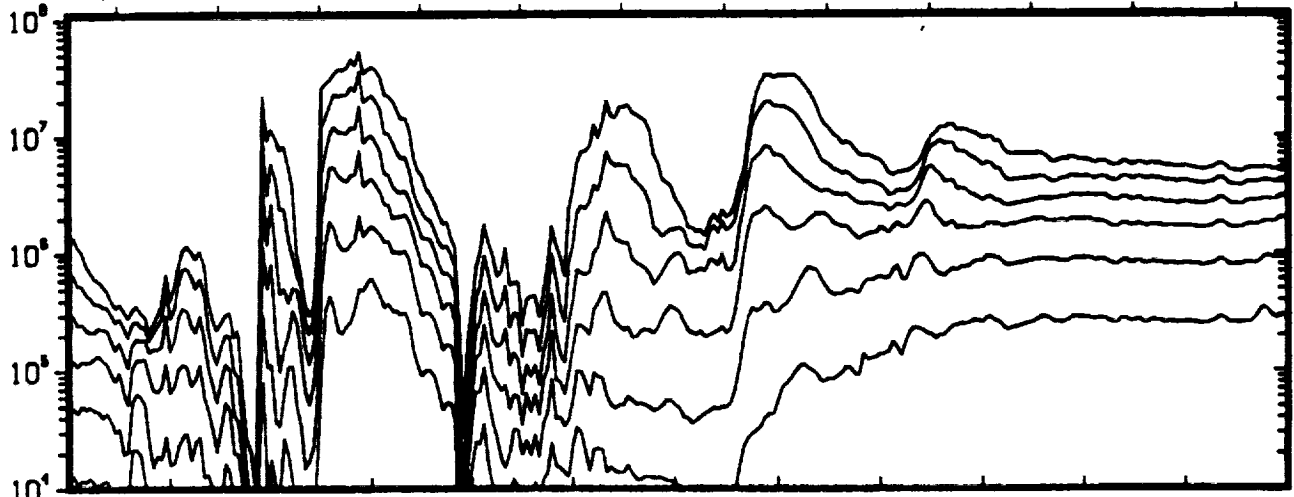
83/01/10

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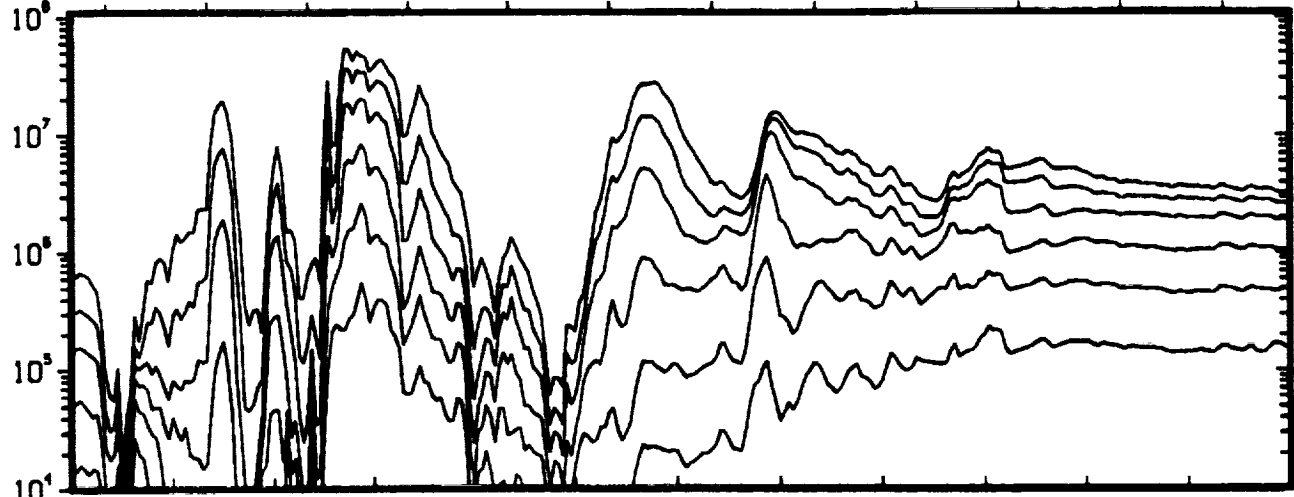
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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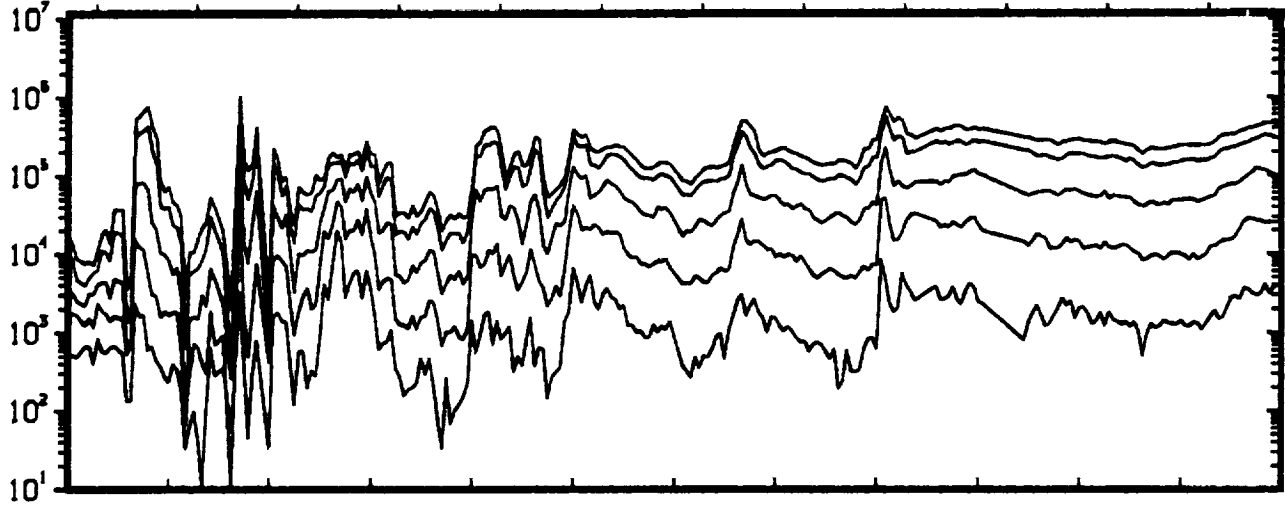
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

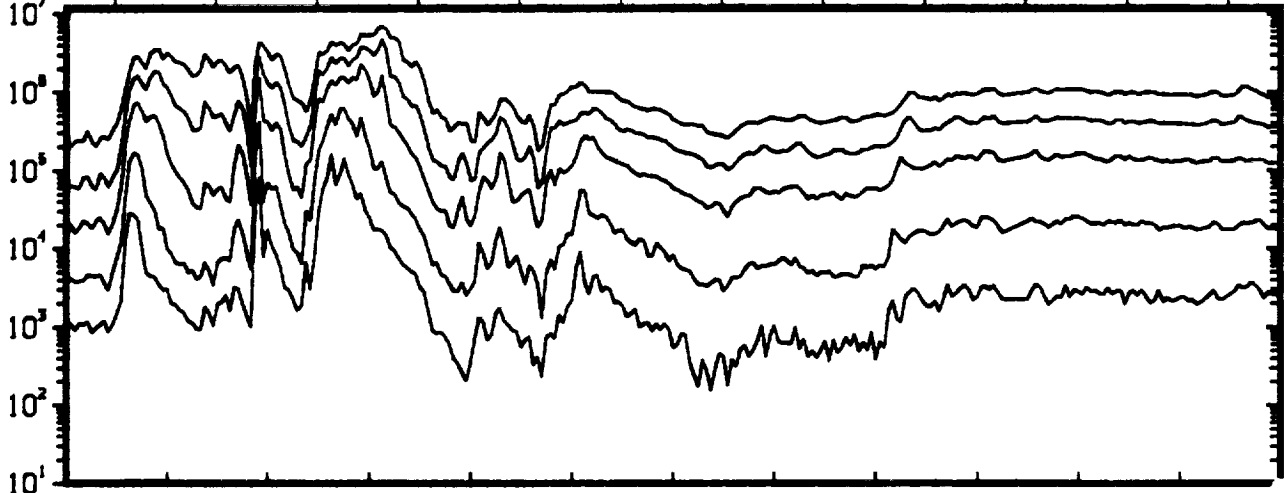
83/01/10

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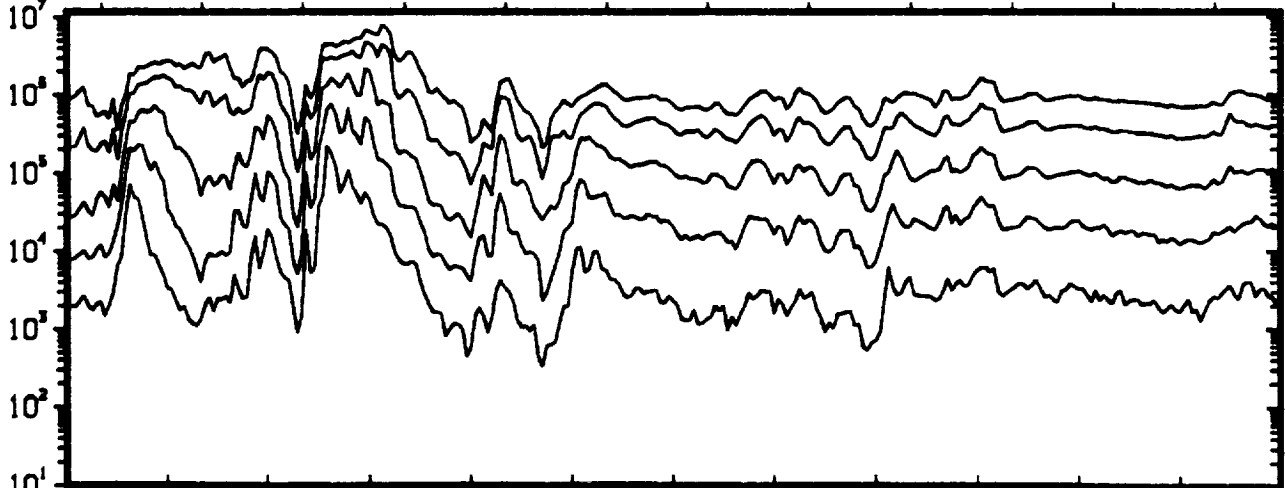
1981-025

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1982-019

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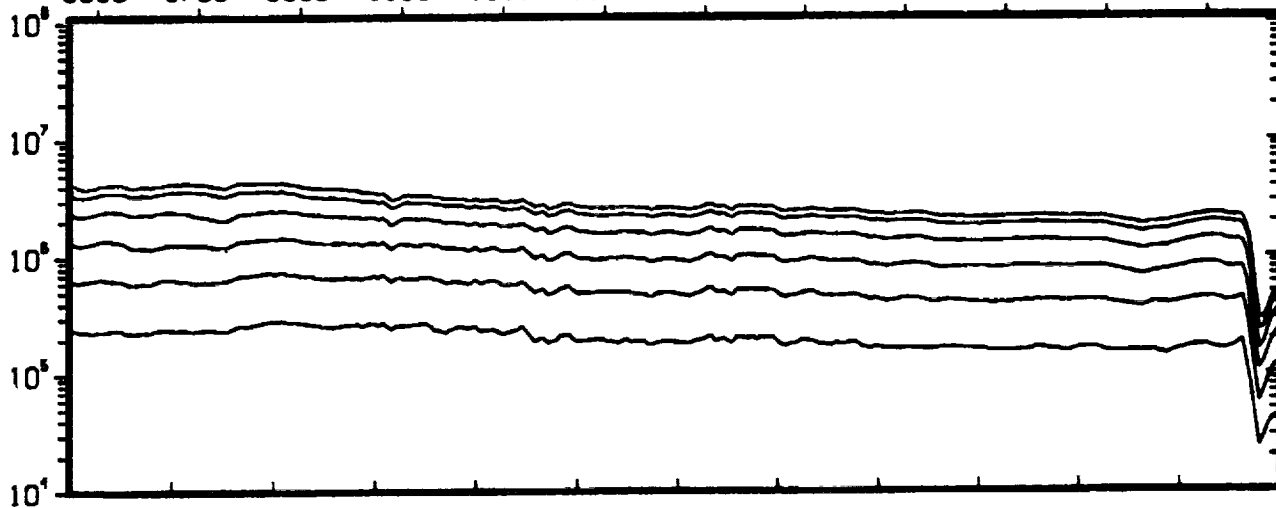
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

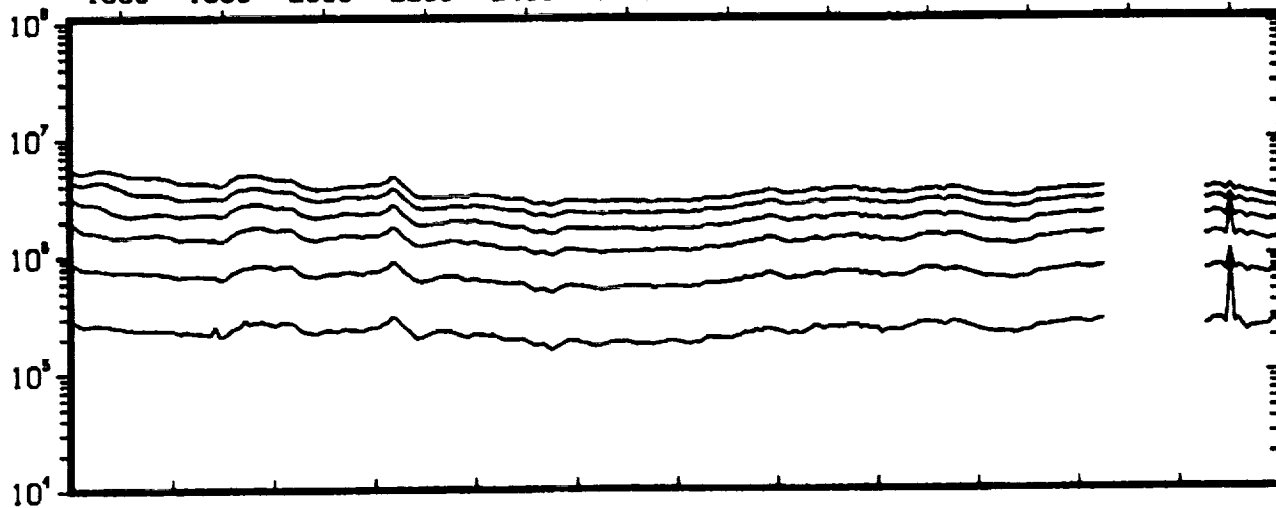
83/01/11

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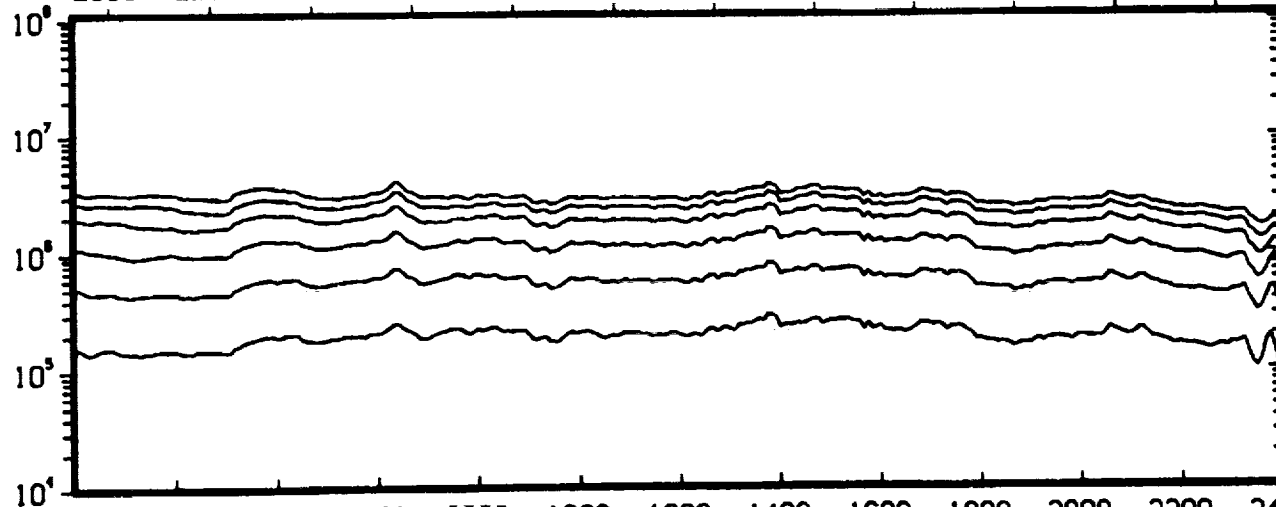
1981-025

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1982-019

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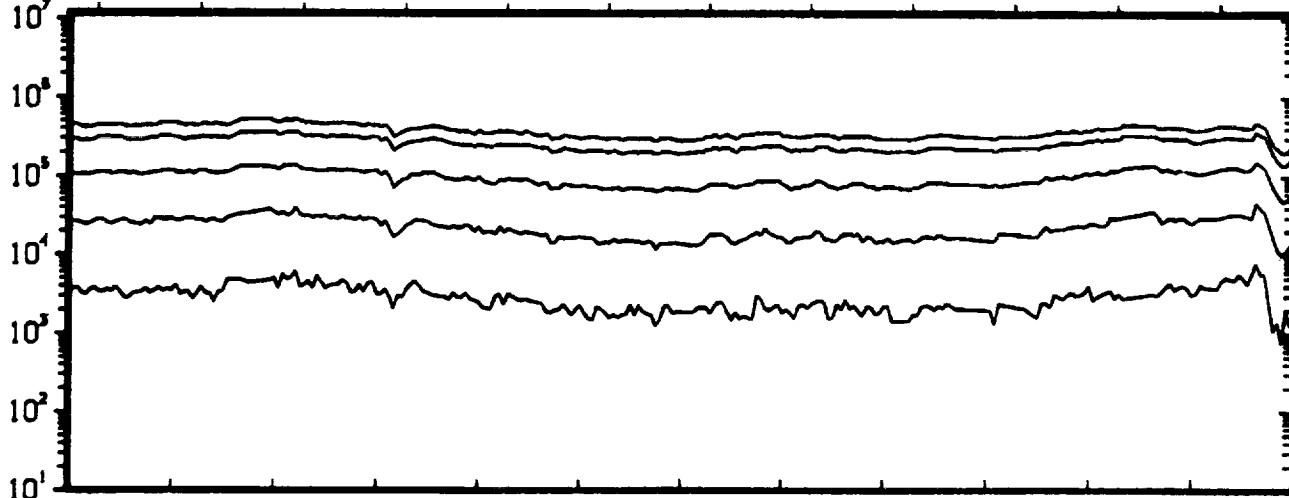
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

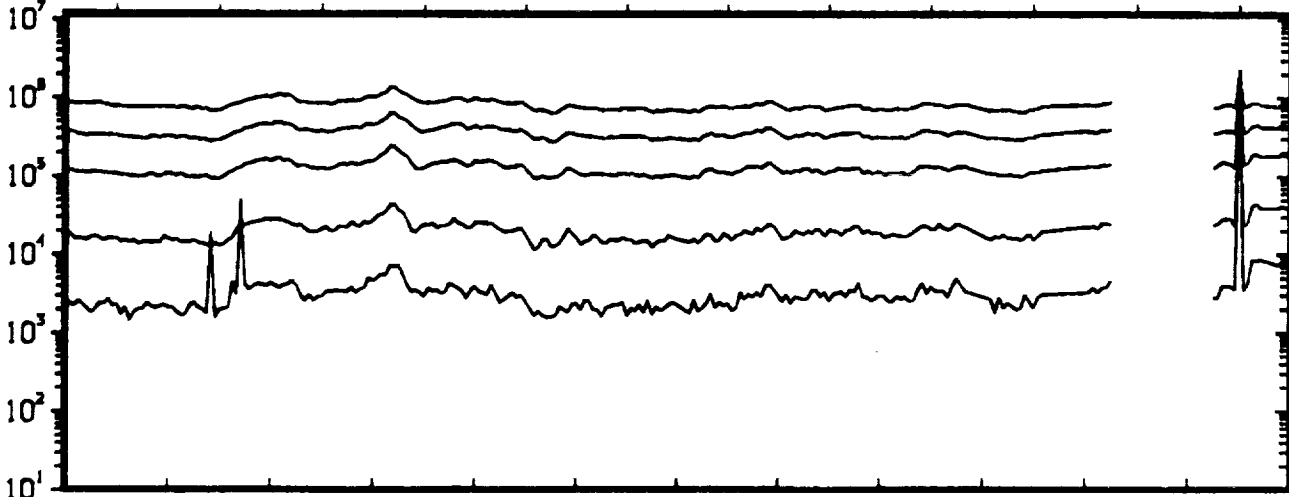
83/01/11

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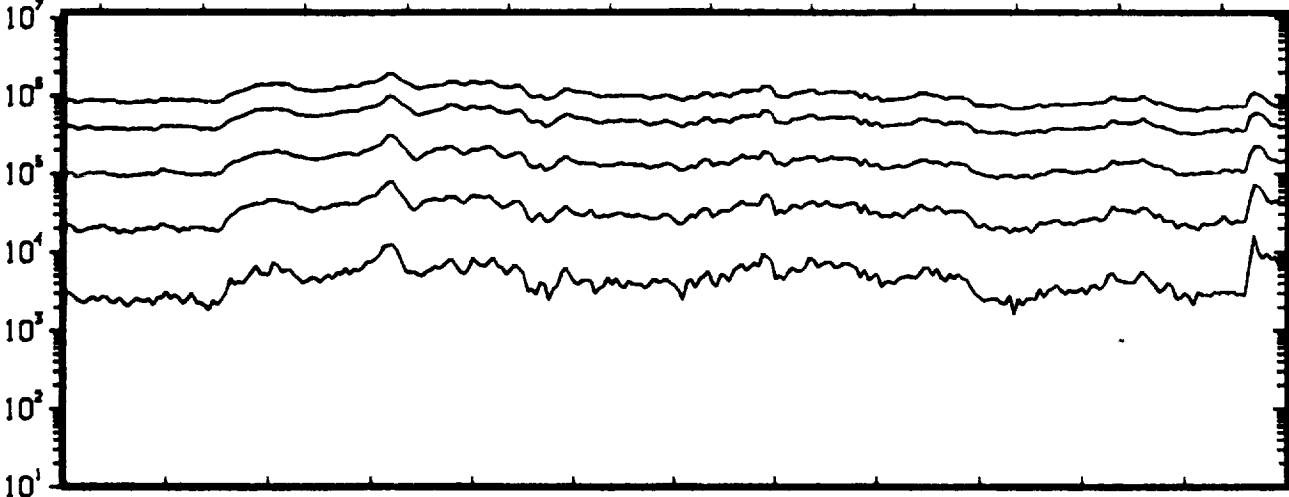
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



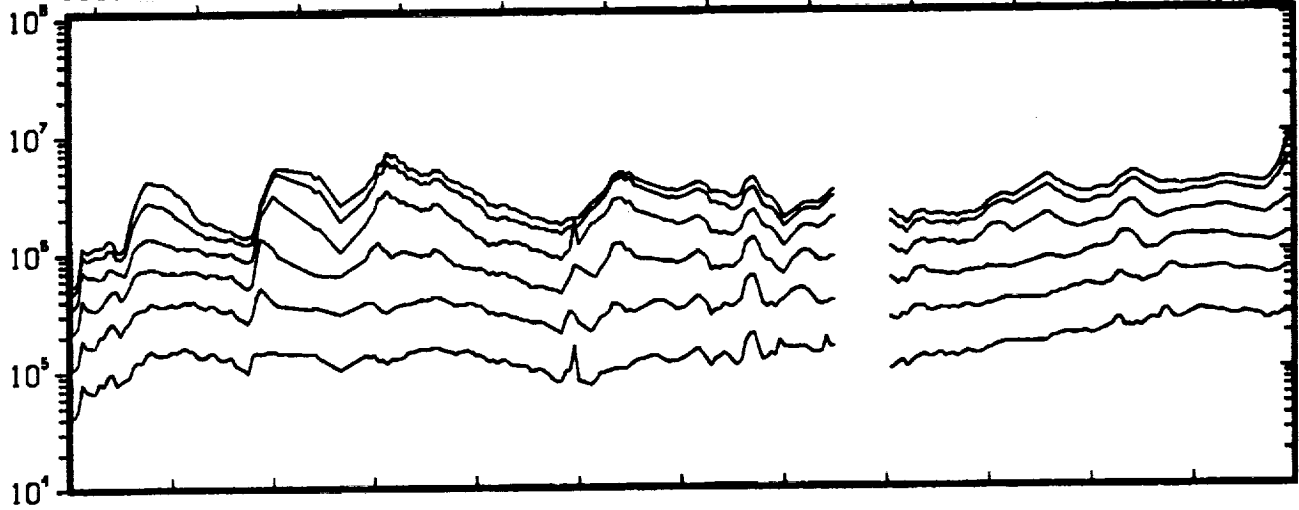
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

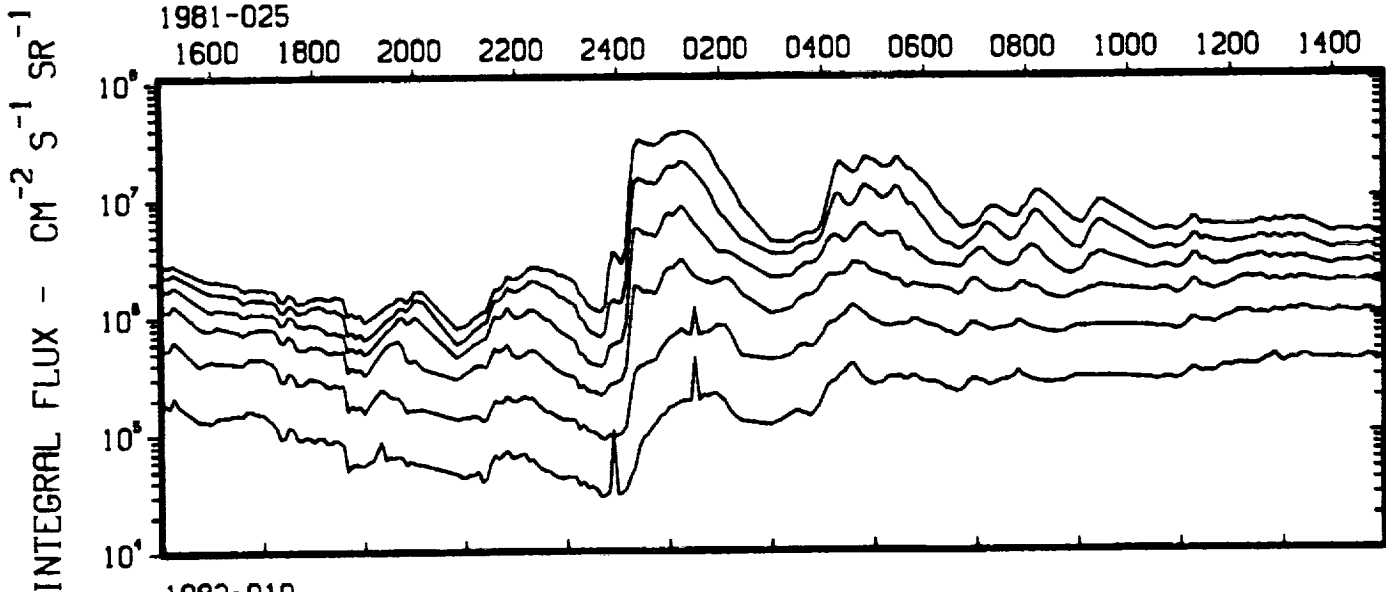
83/01/12

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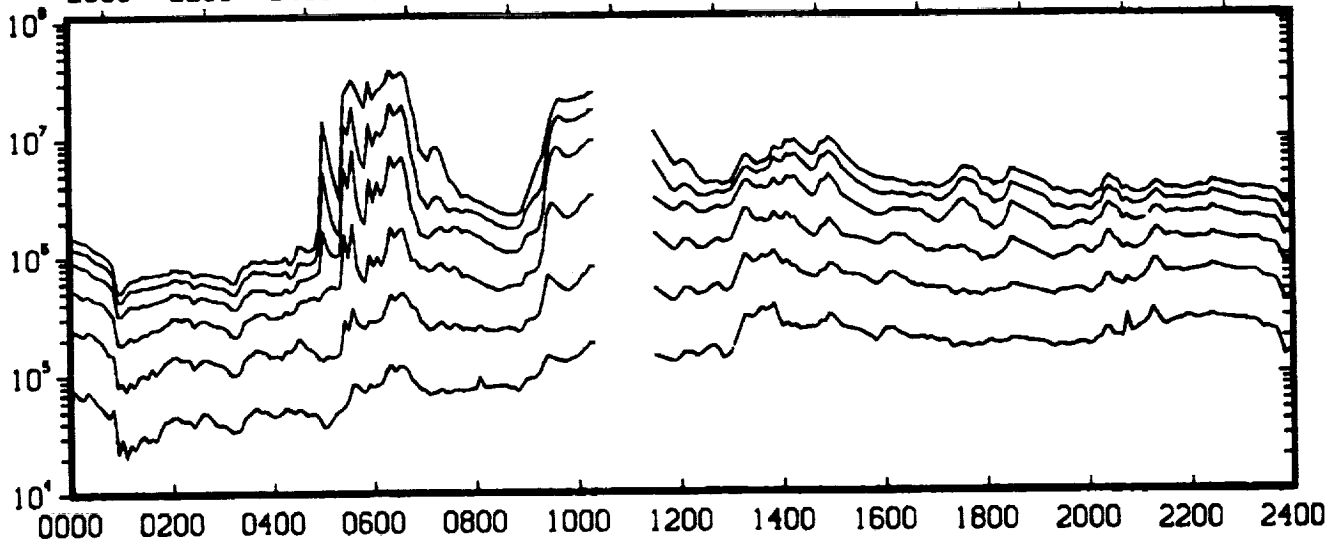
1981-025

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1982-019

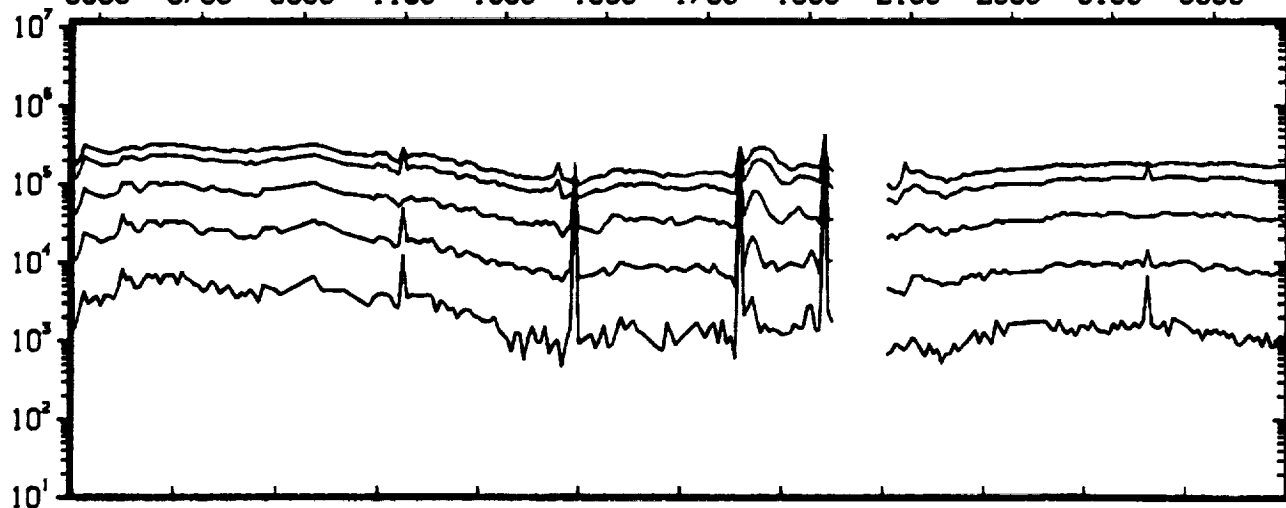
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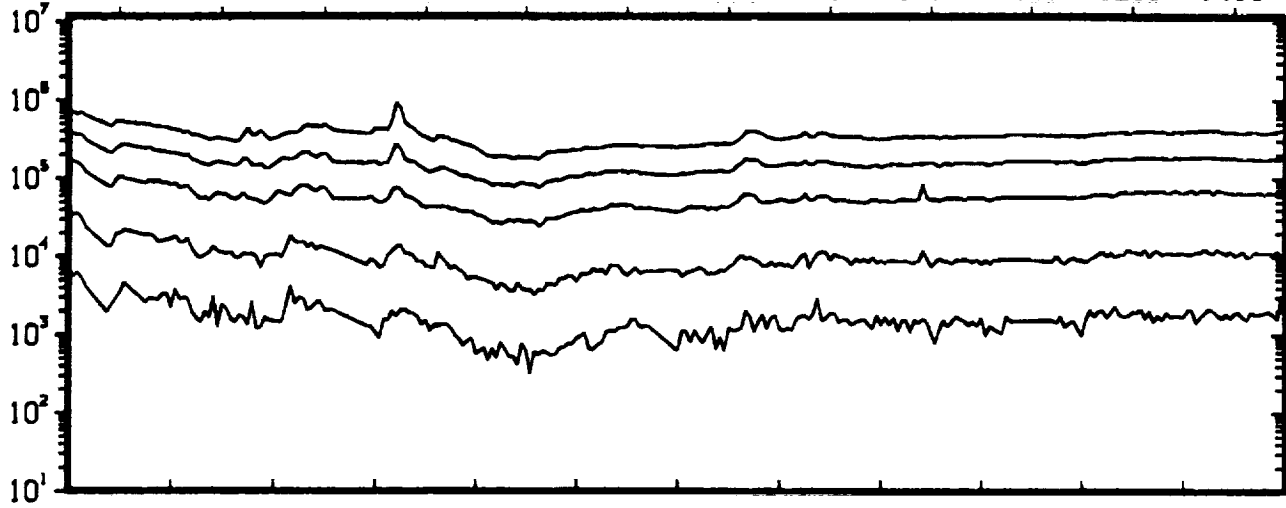


# LOW ENERGY IONS

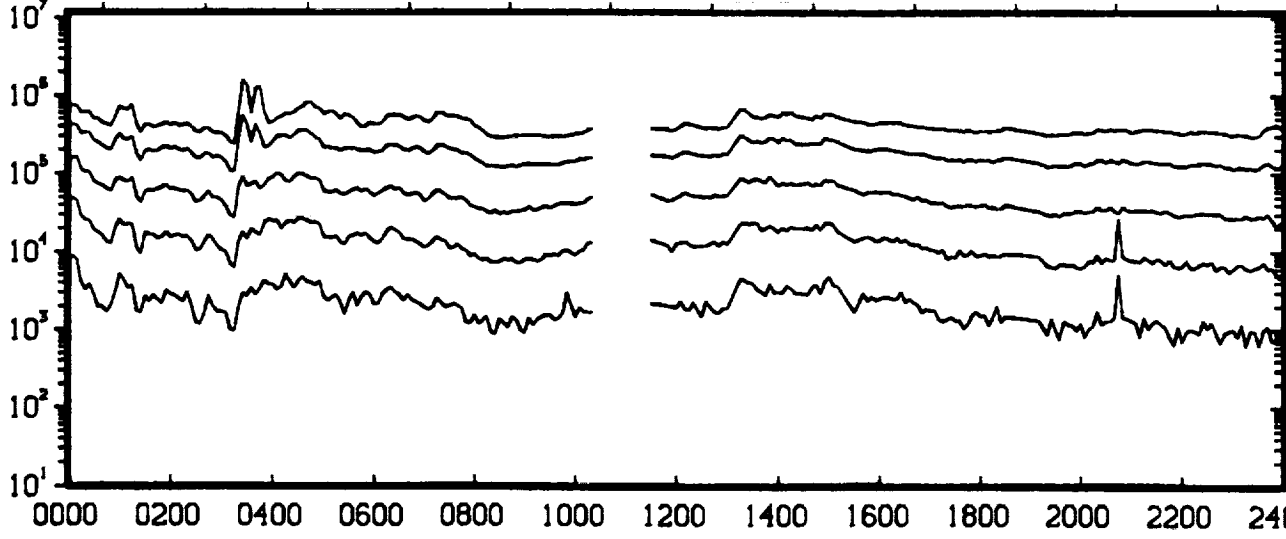
1977-007 83/01/12  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
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1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



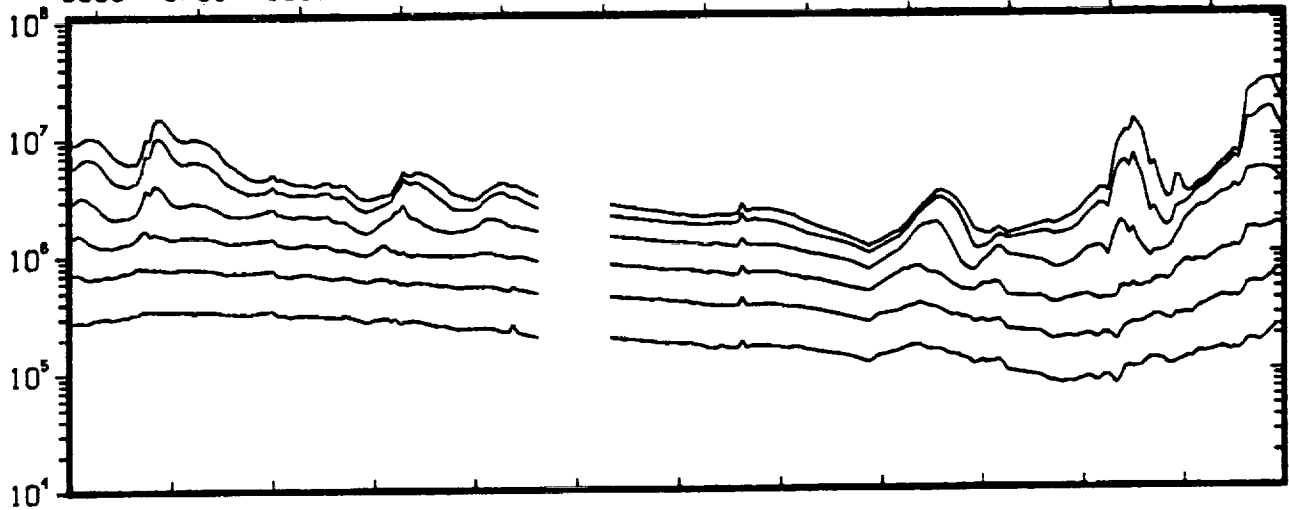
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

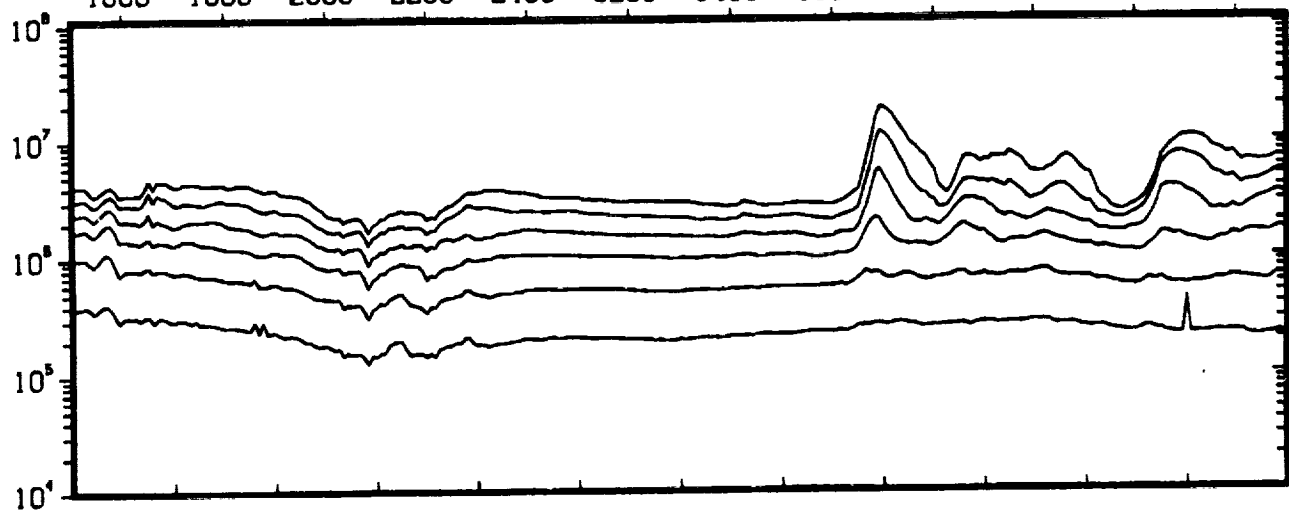
83/01/13

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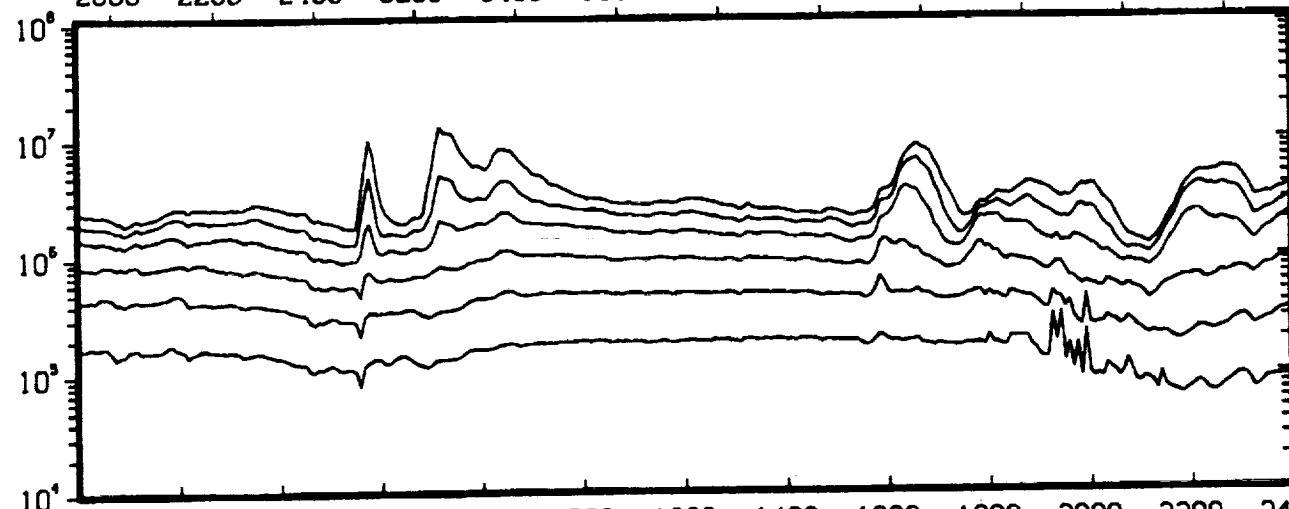
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



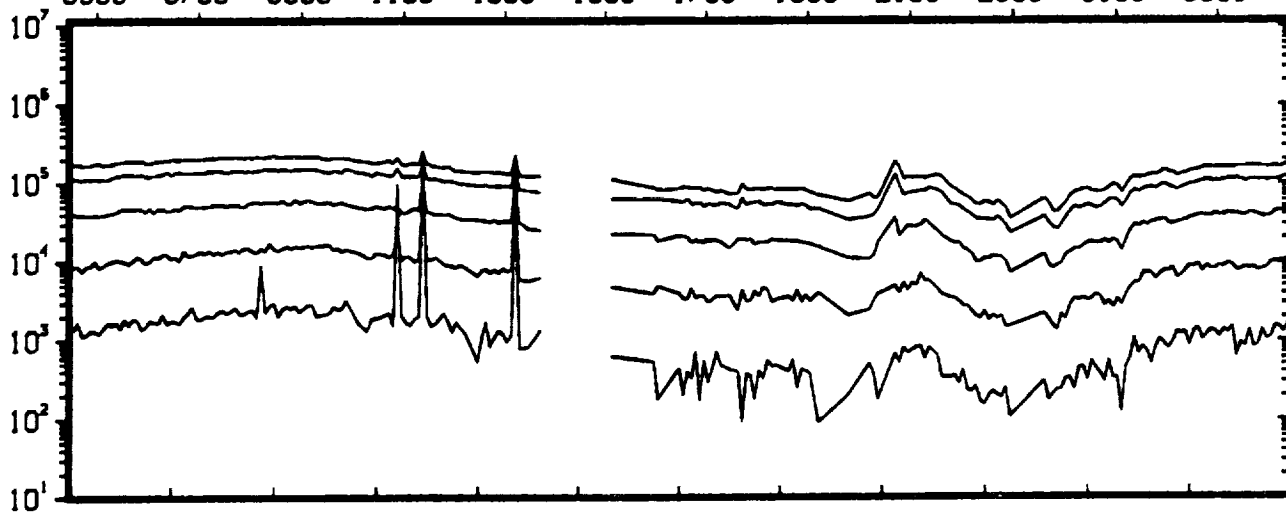
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

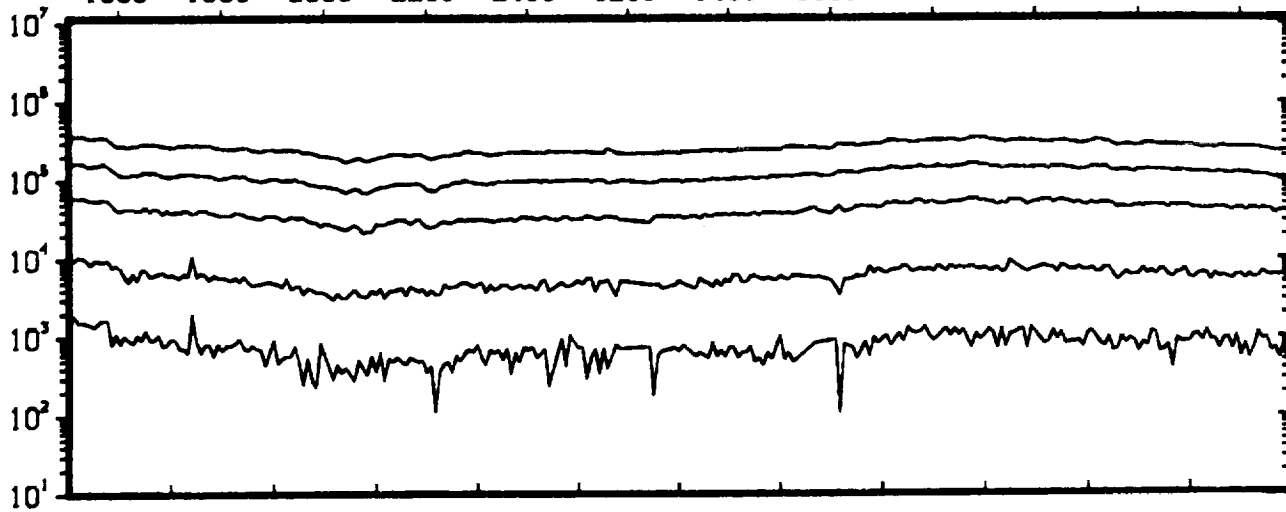
83/01/13

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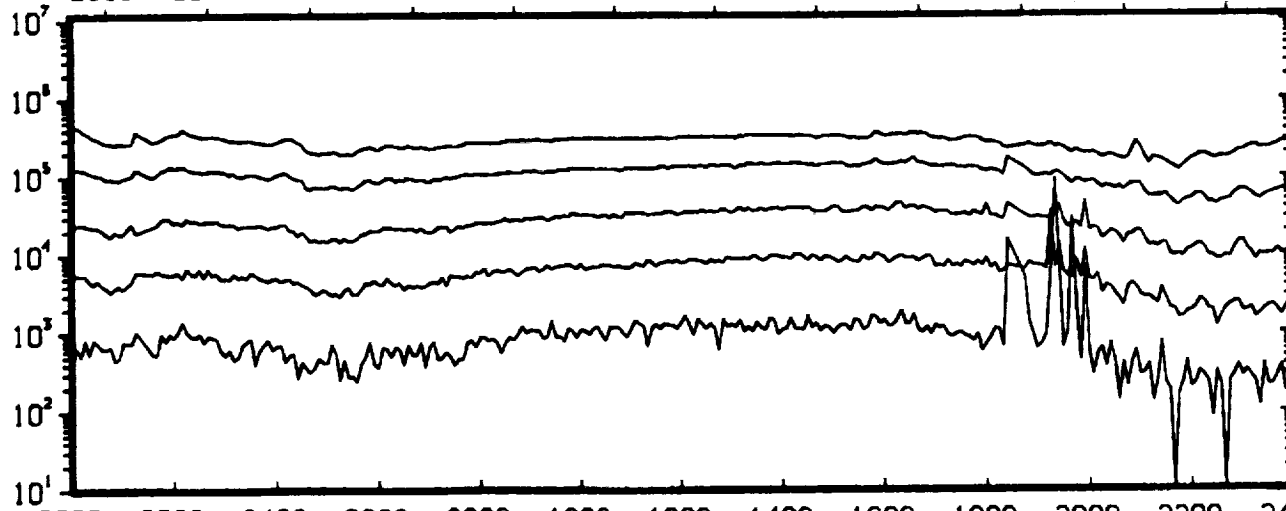
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



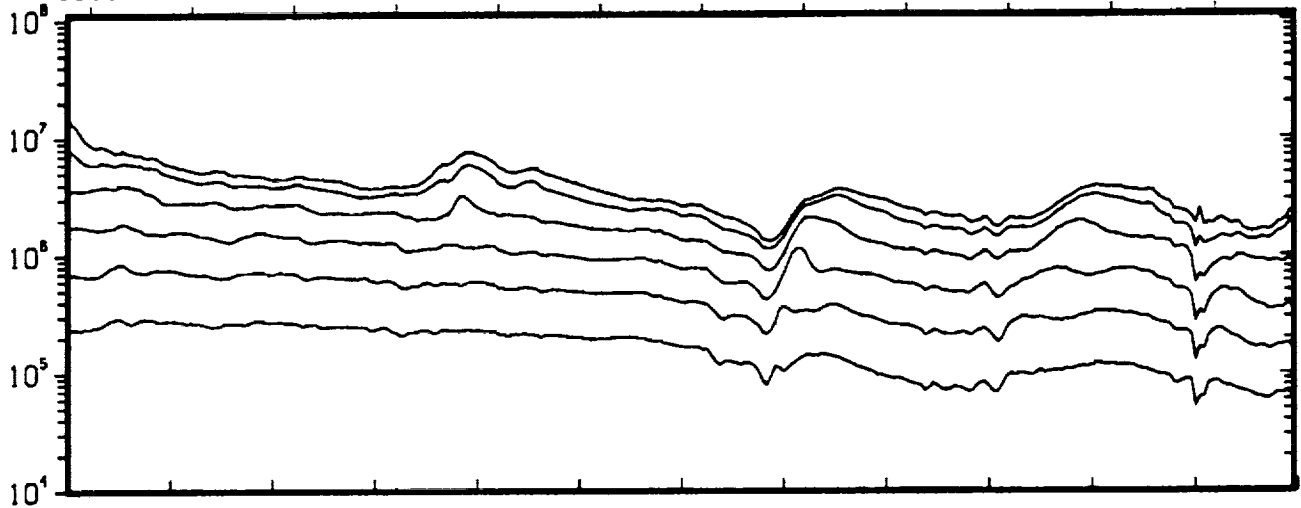
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

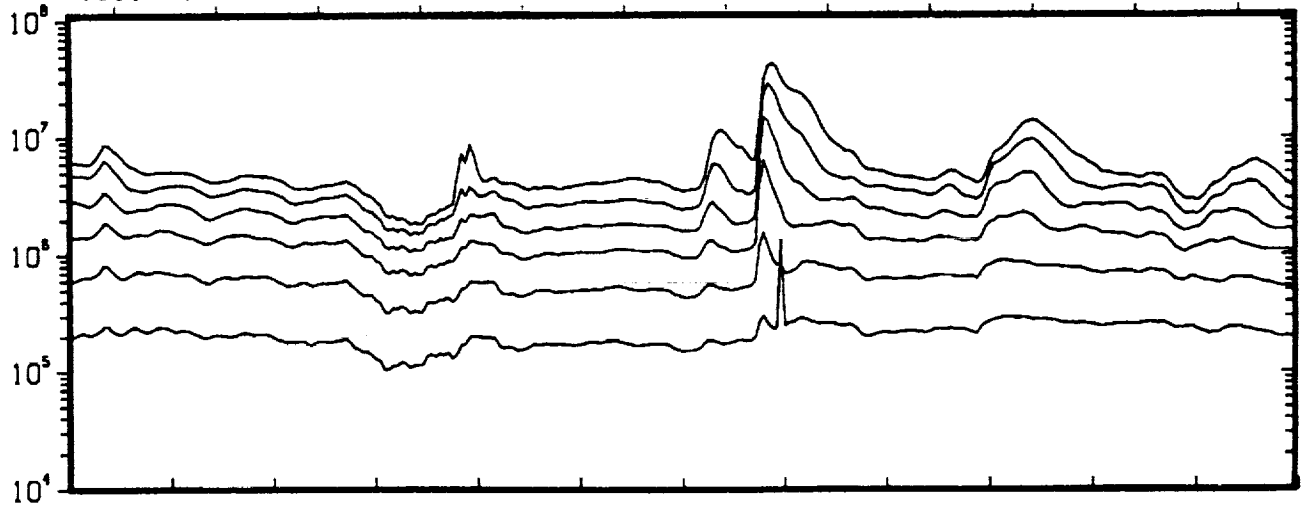
83/01/14

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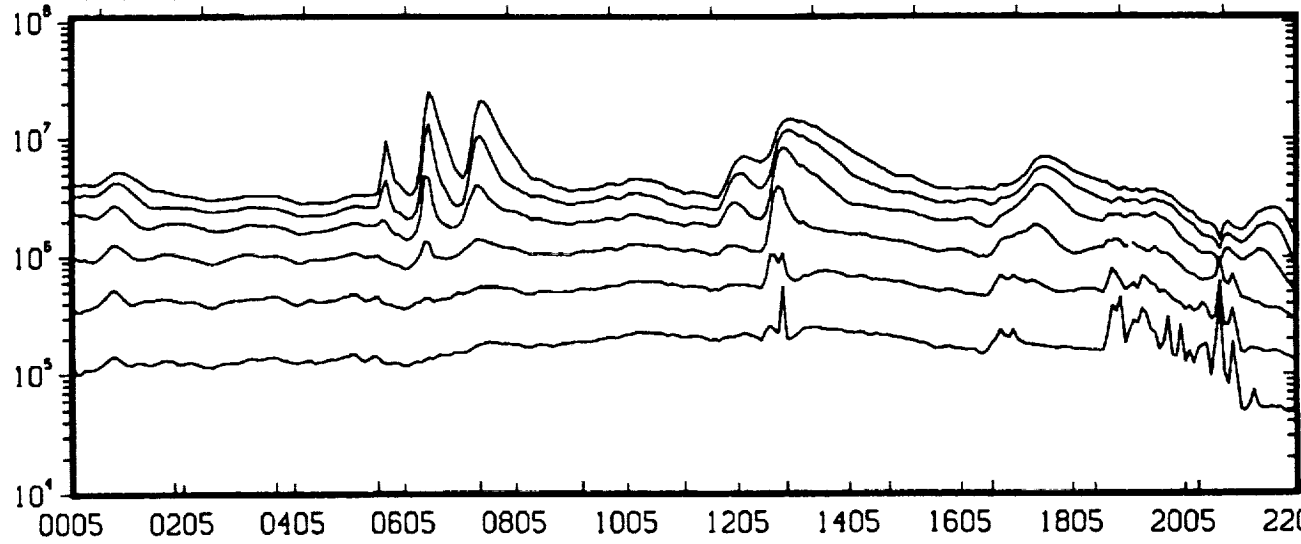
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



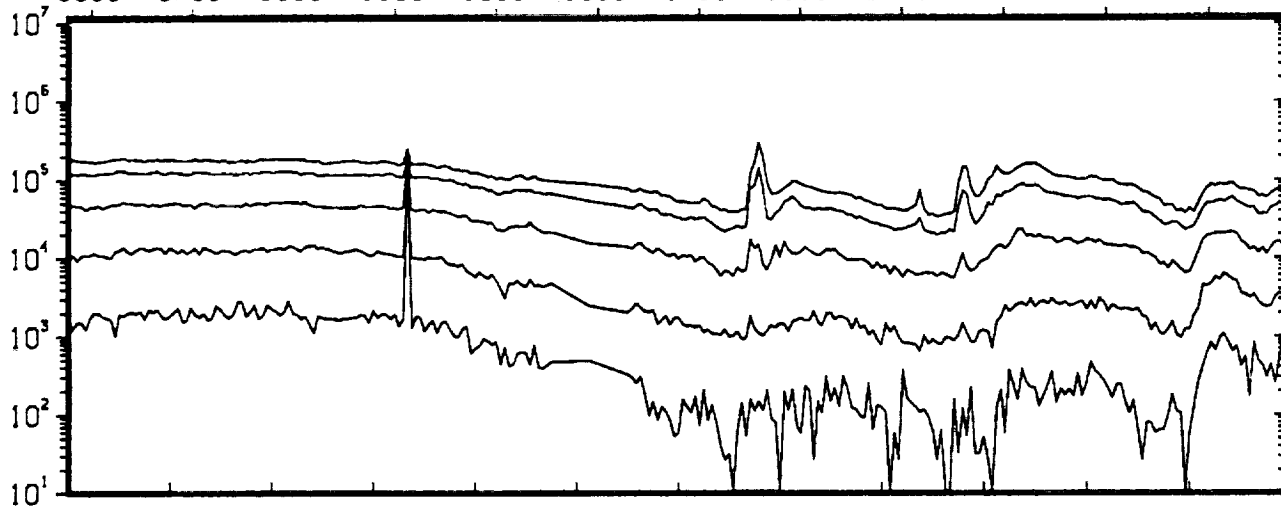
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

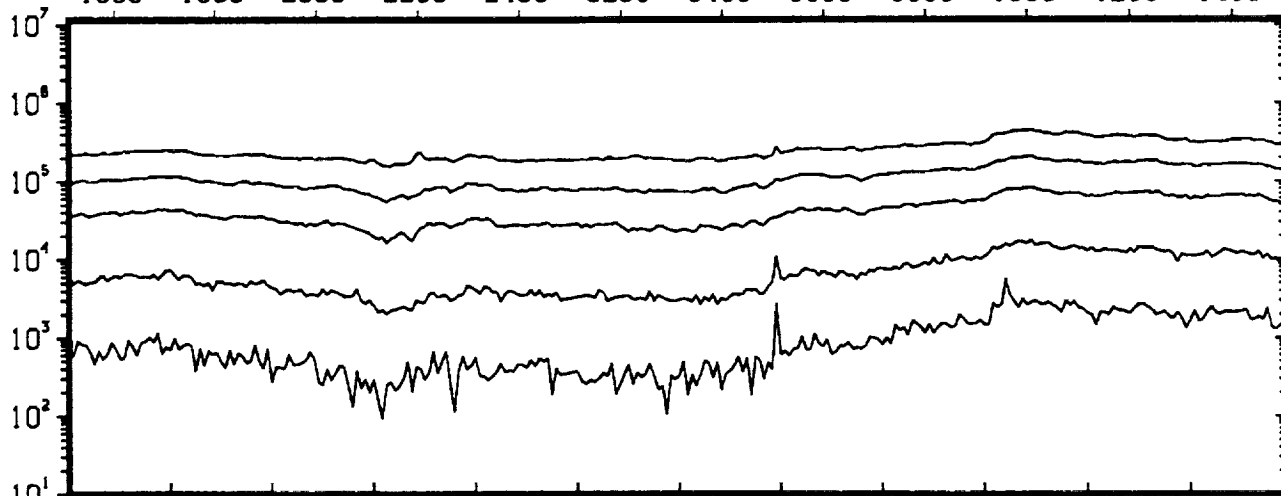
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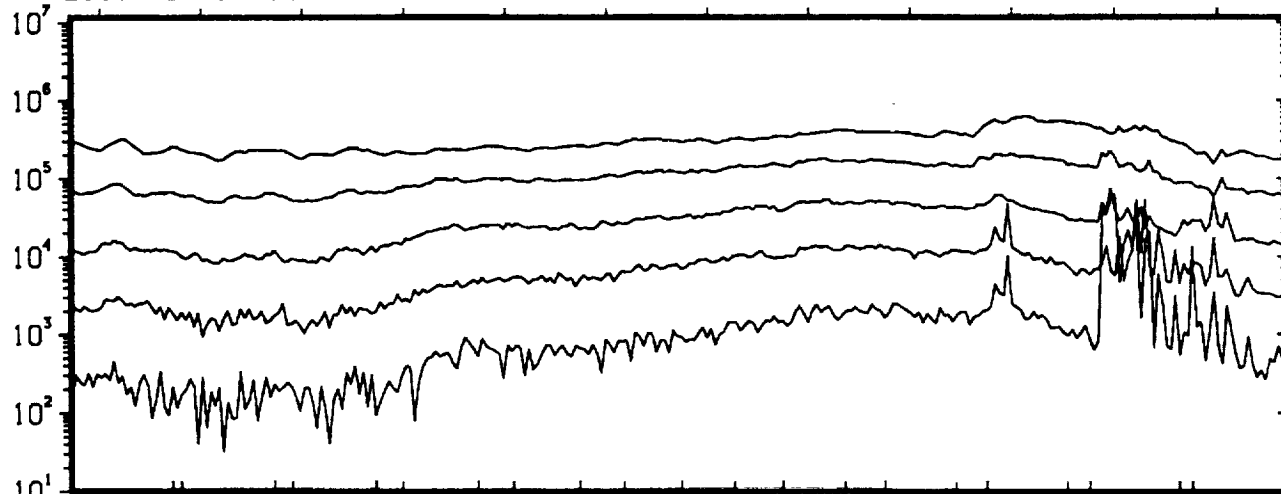
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

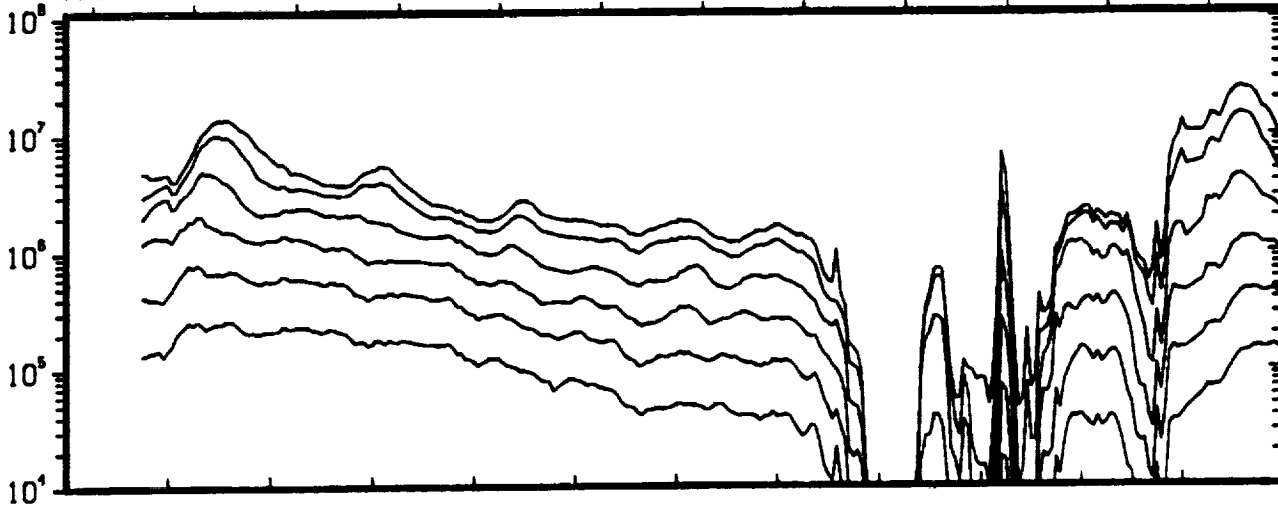
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# LOW ENERGY ELECTRONS

1977-007

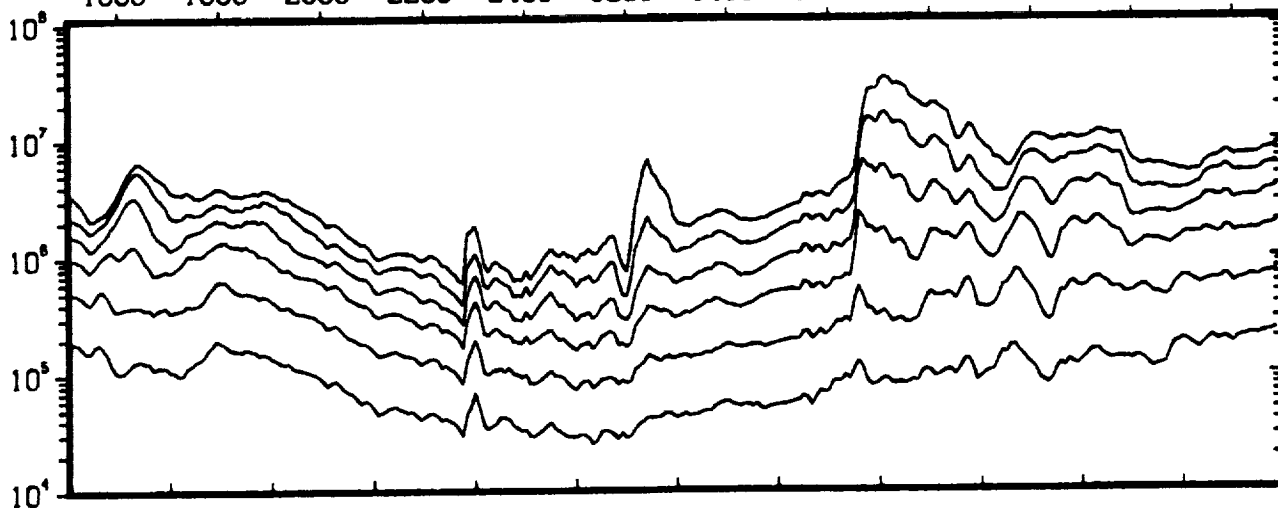
83/01/15

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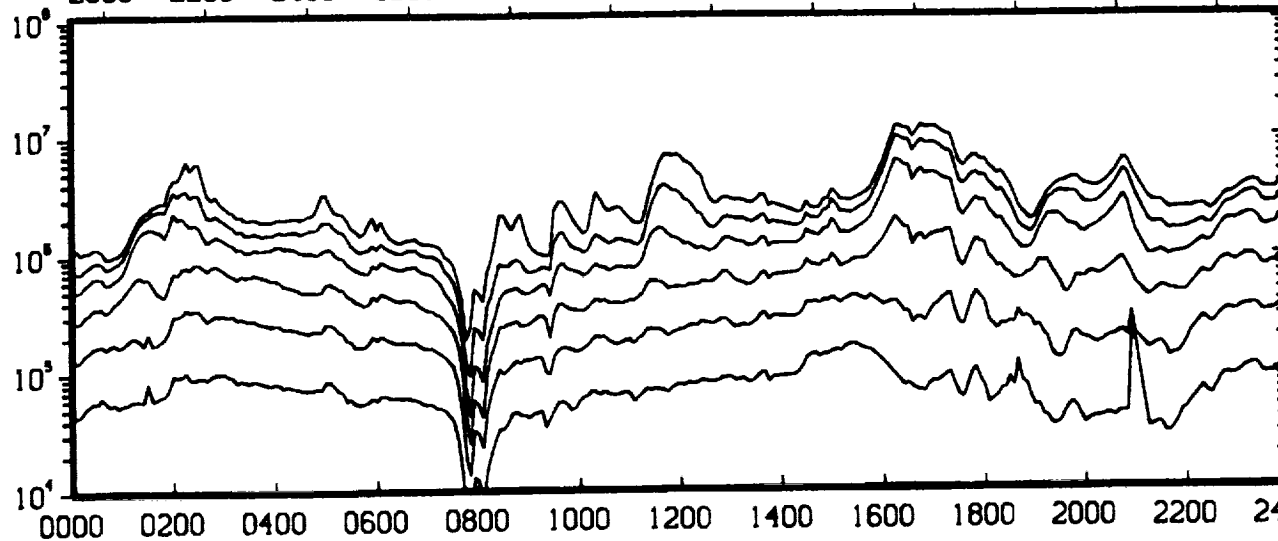
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1982-019

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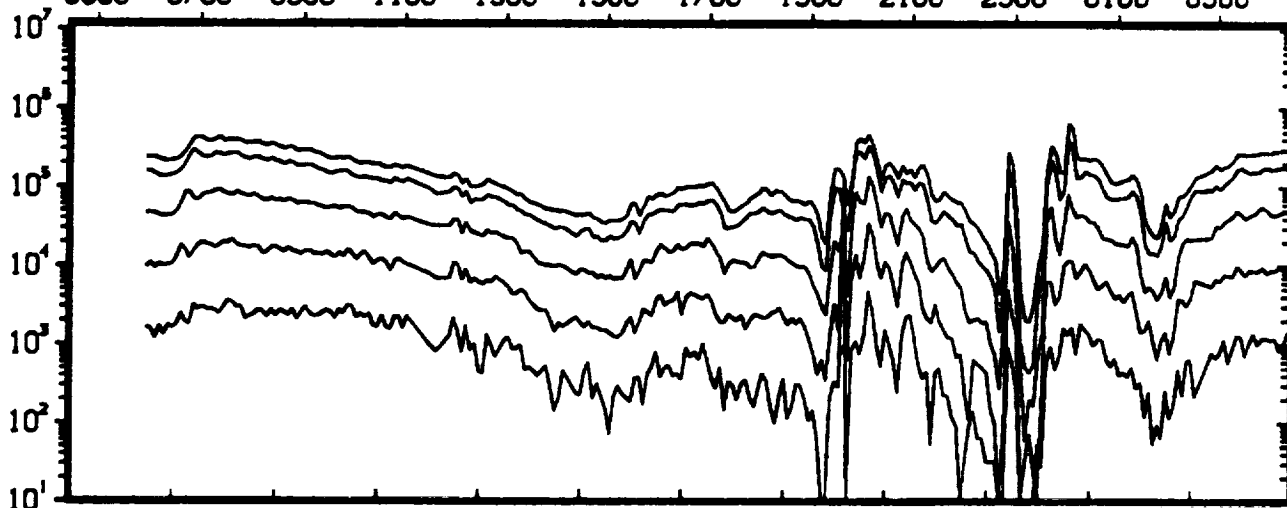
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

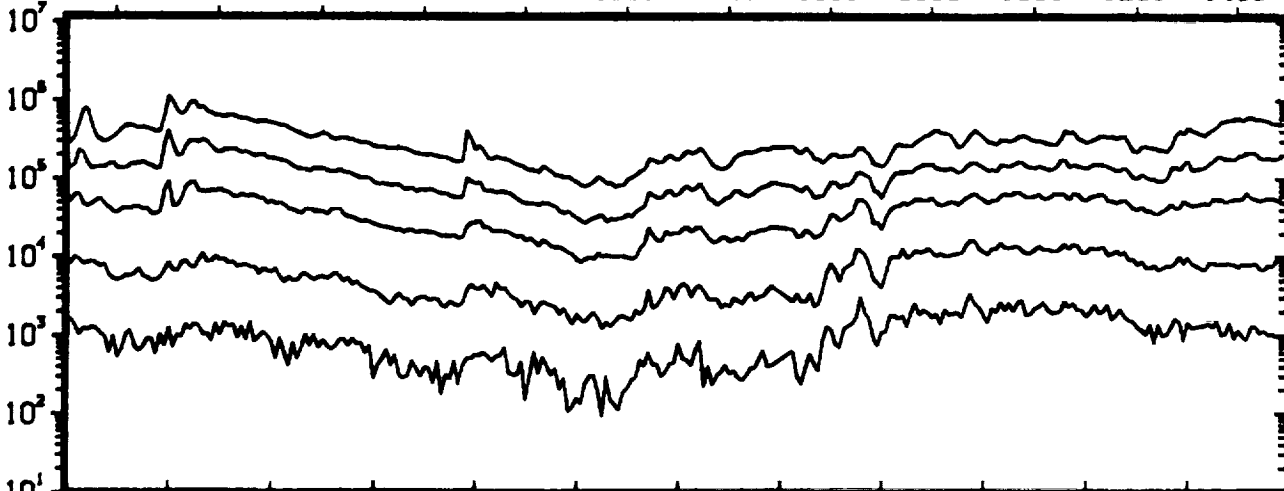
83/01/15

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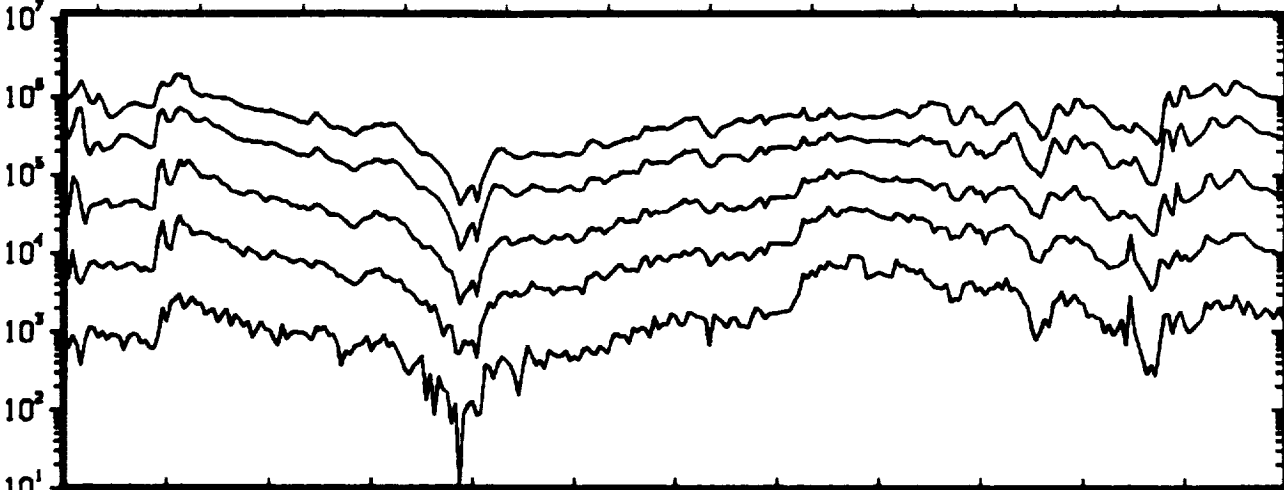
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



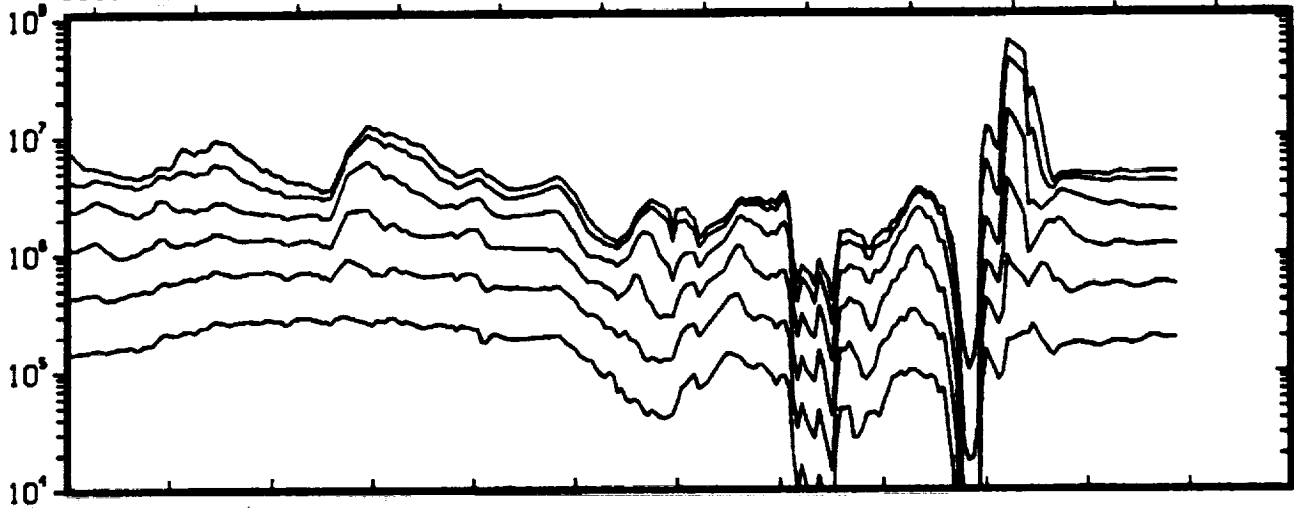
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

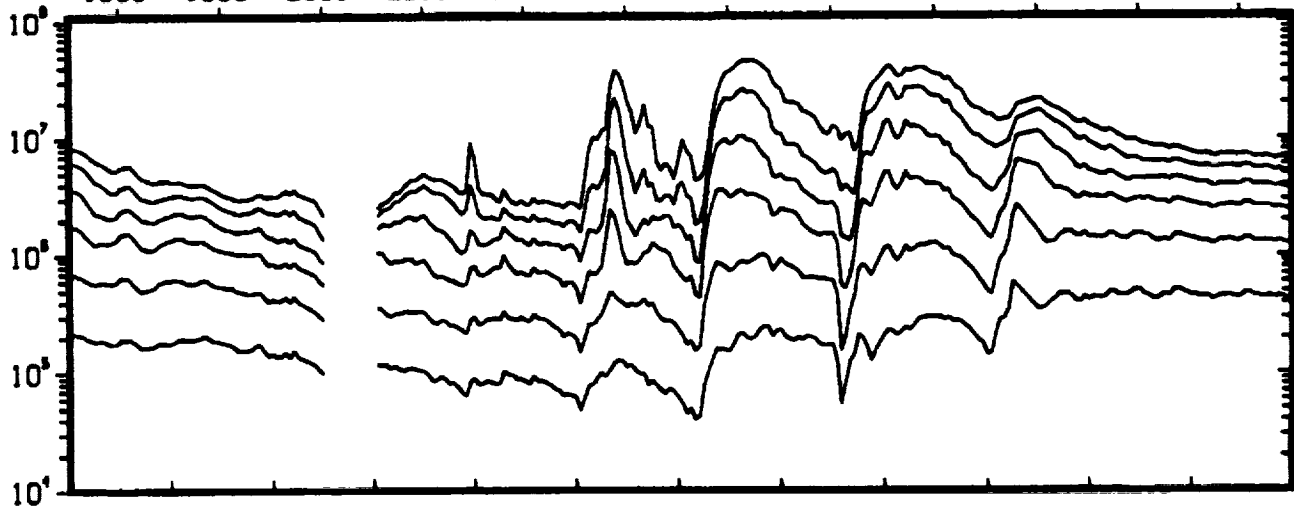
83/01/16

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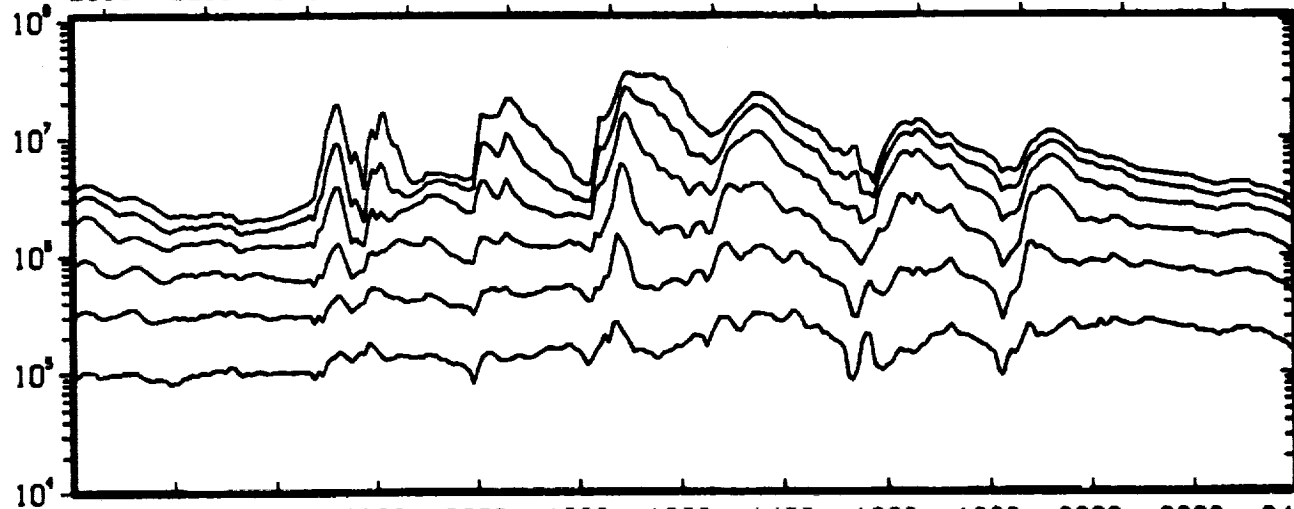
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

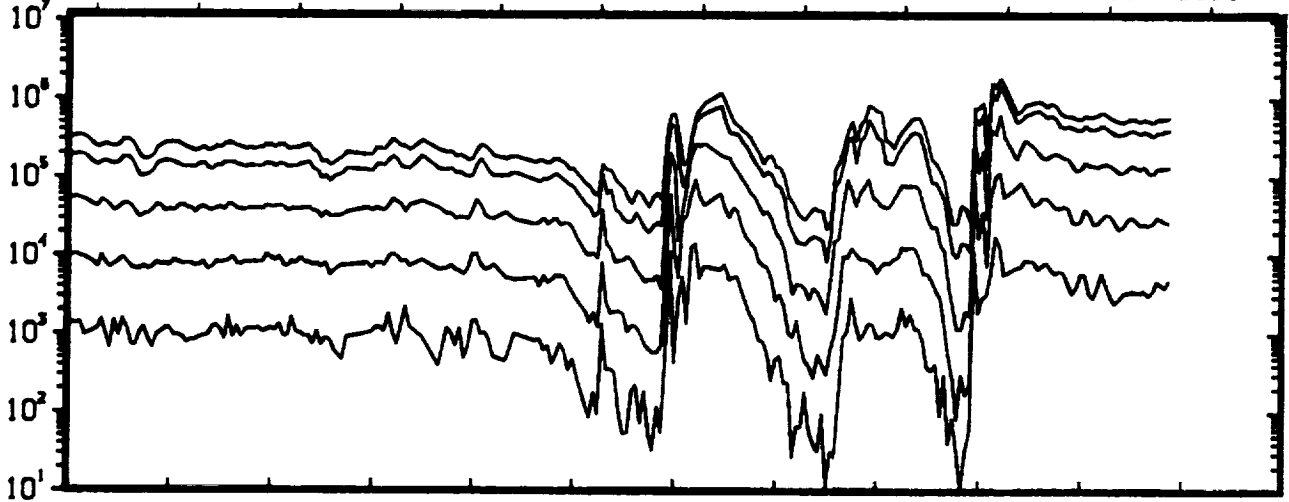


# LOW ENERGY IONS

1977-007

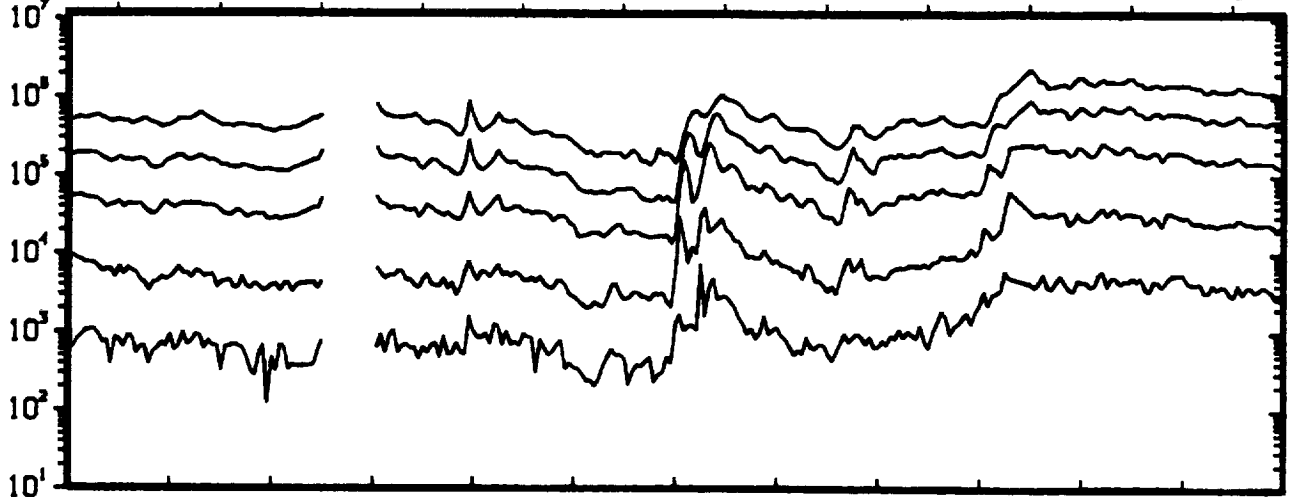
83/01/16

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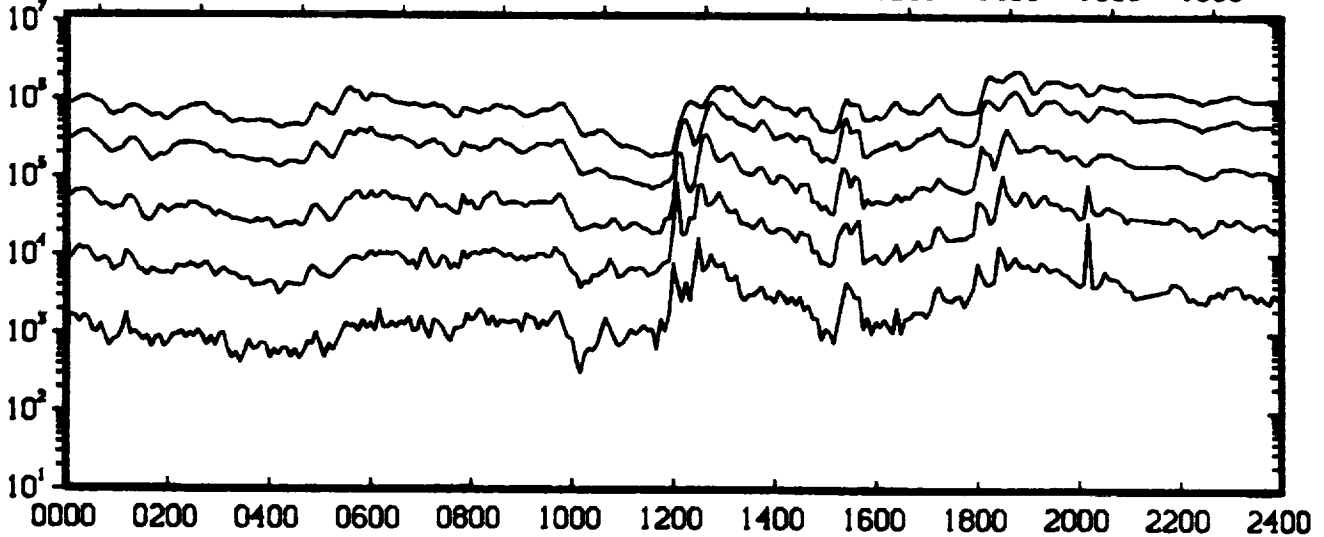
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



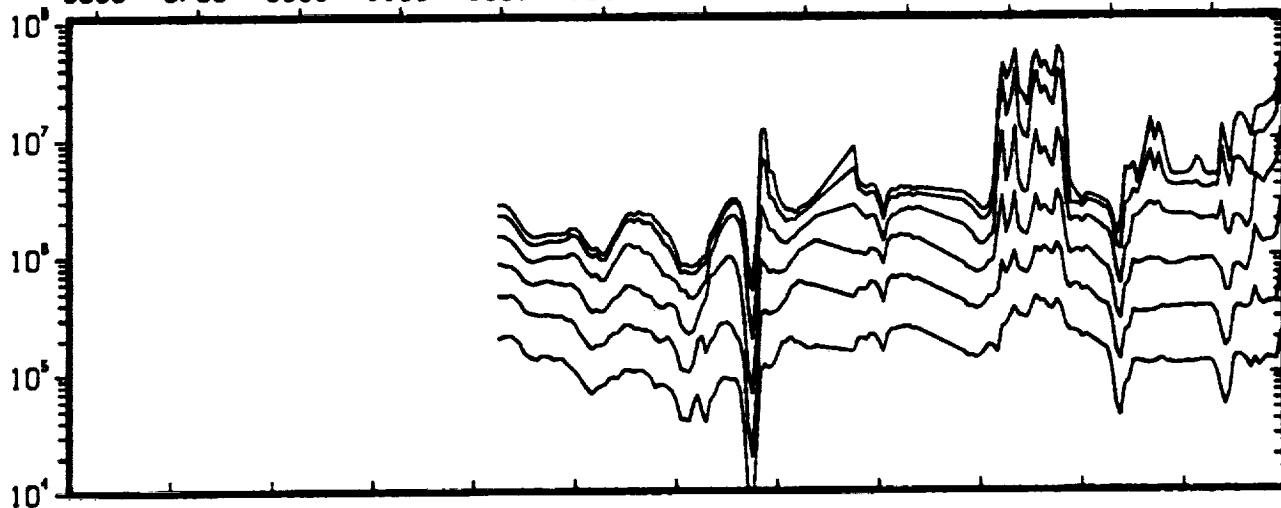
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

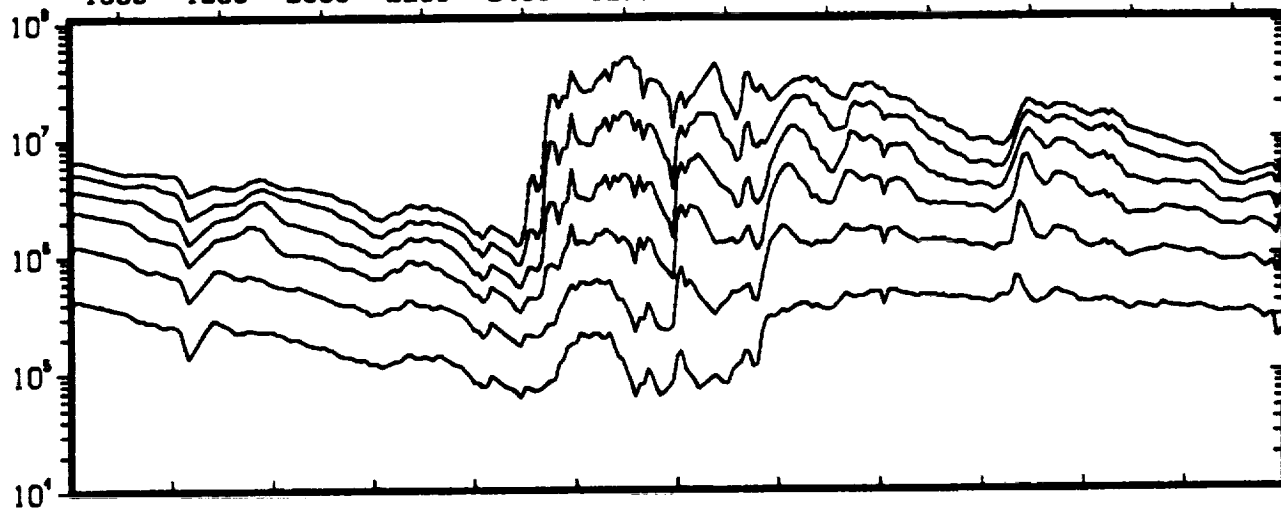
83/01/17

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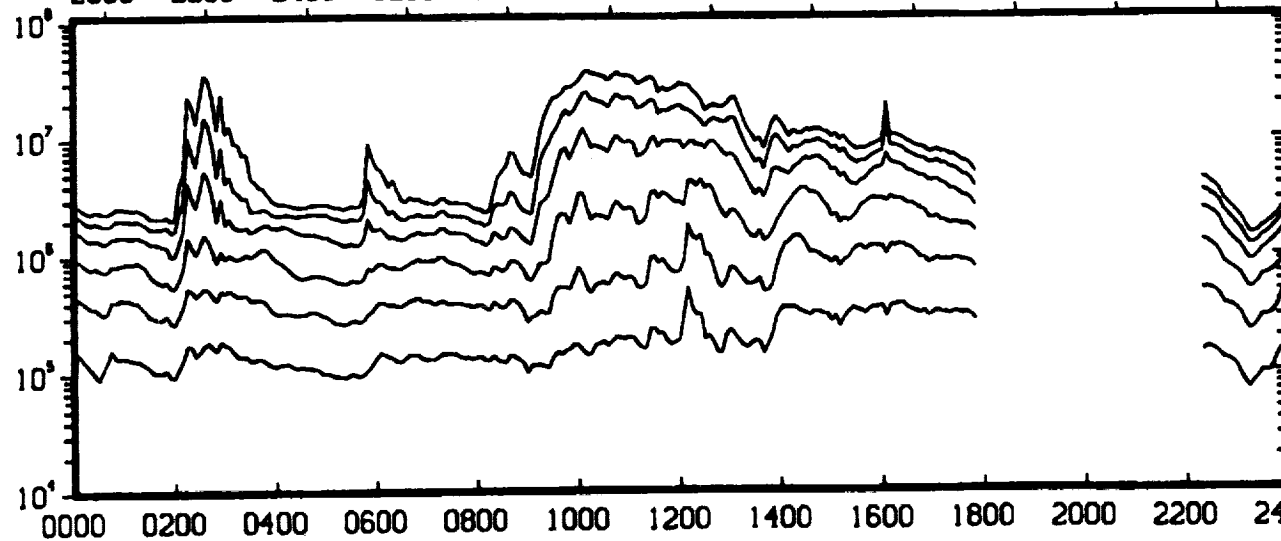
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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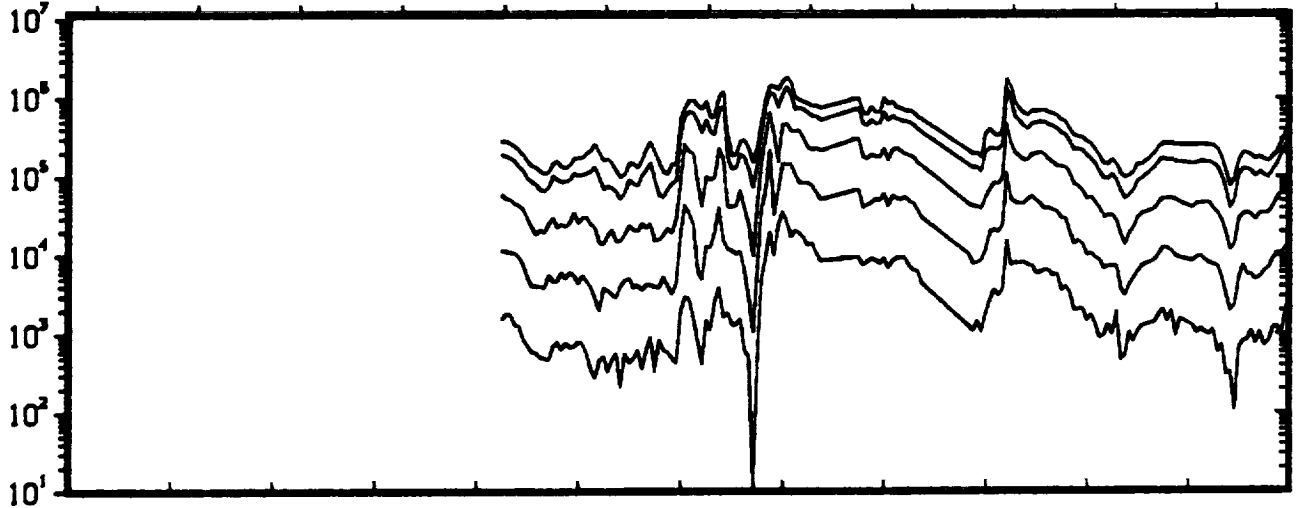
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

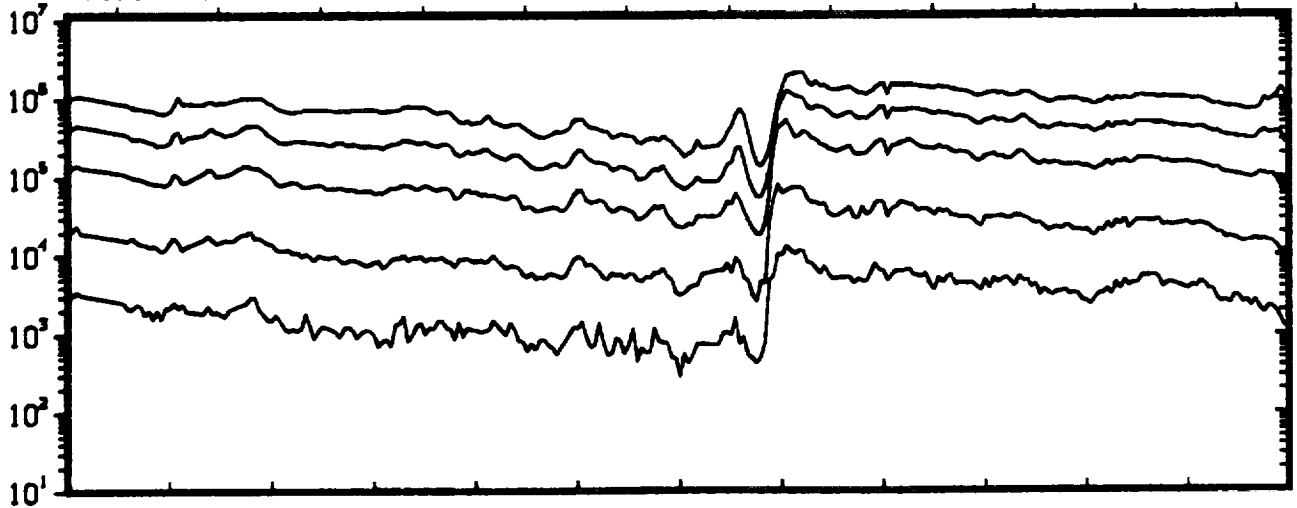
83/01/17

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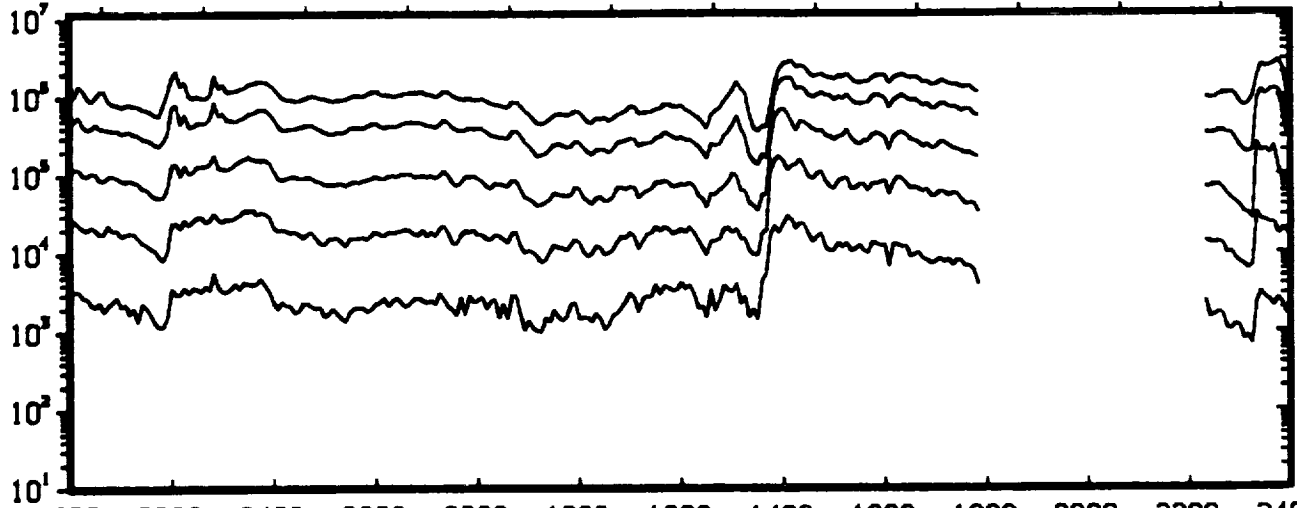
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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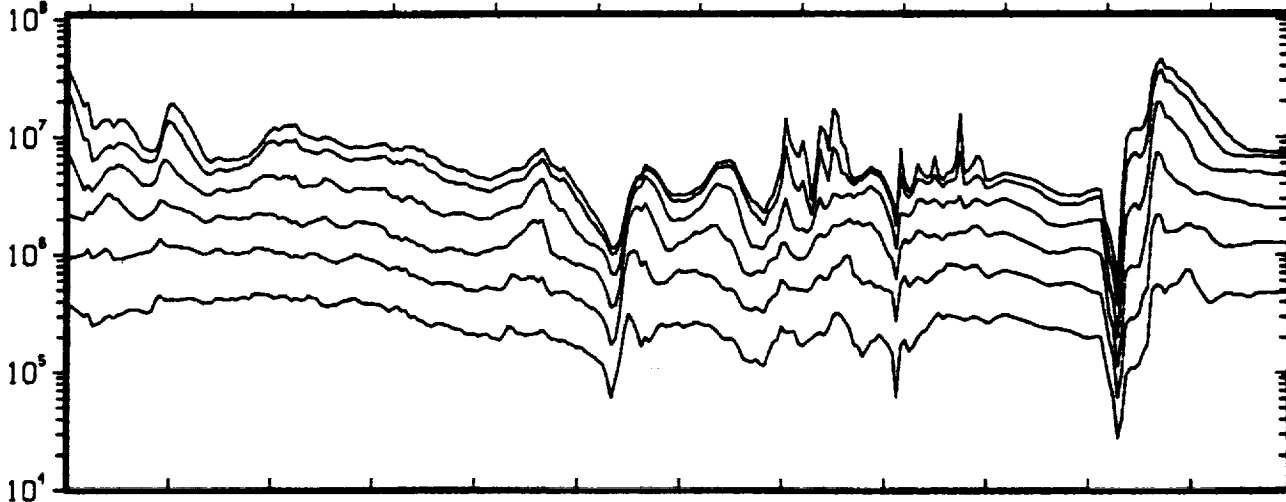
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

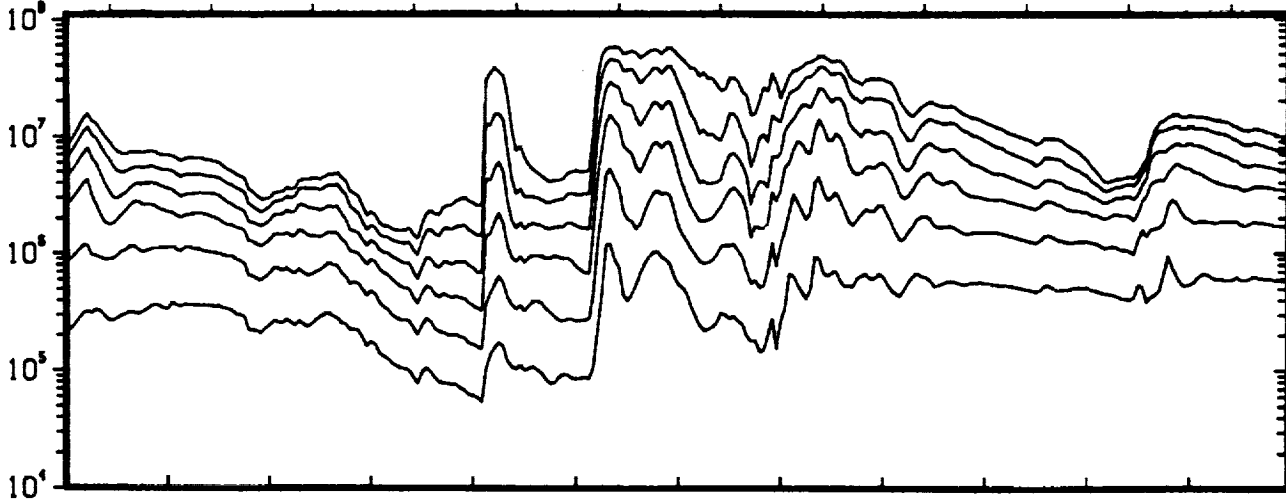
83/01/18

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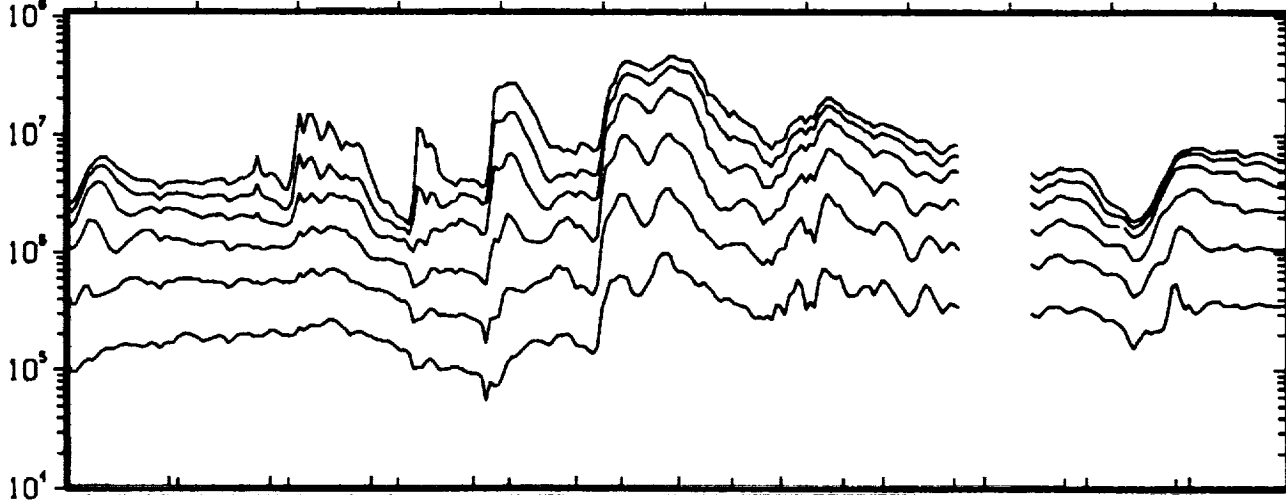
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

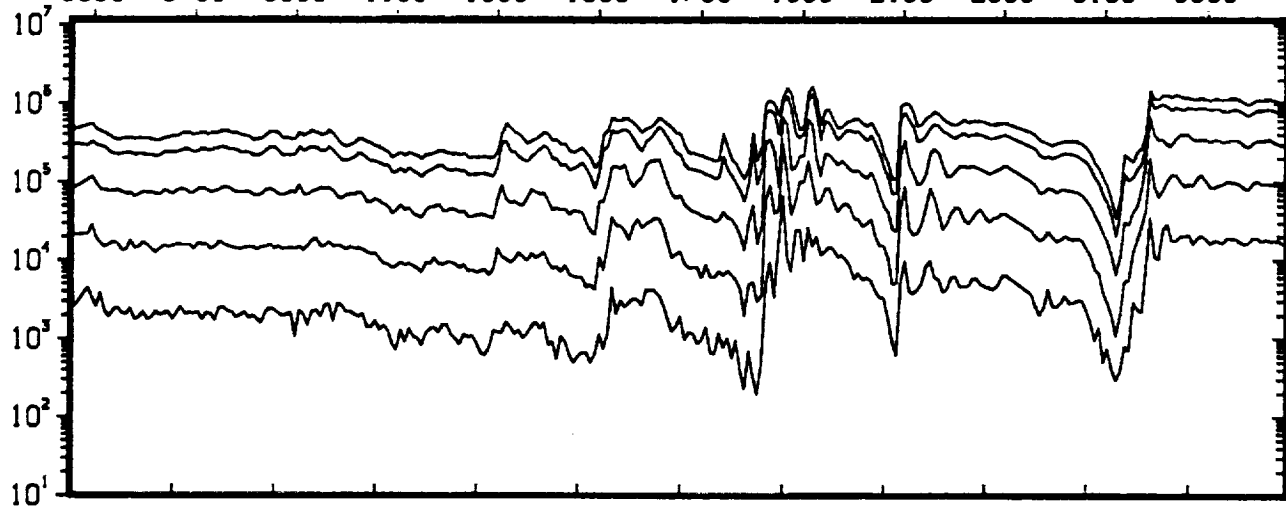
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

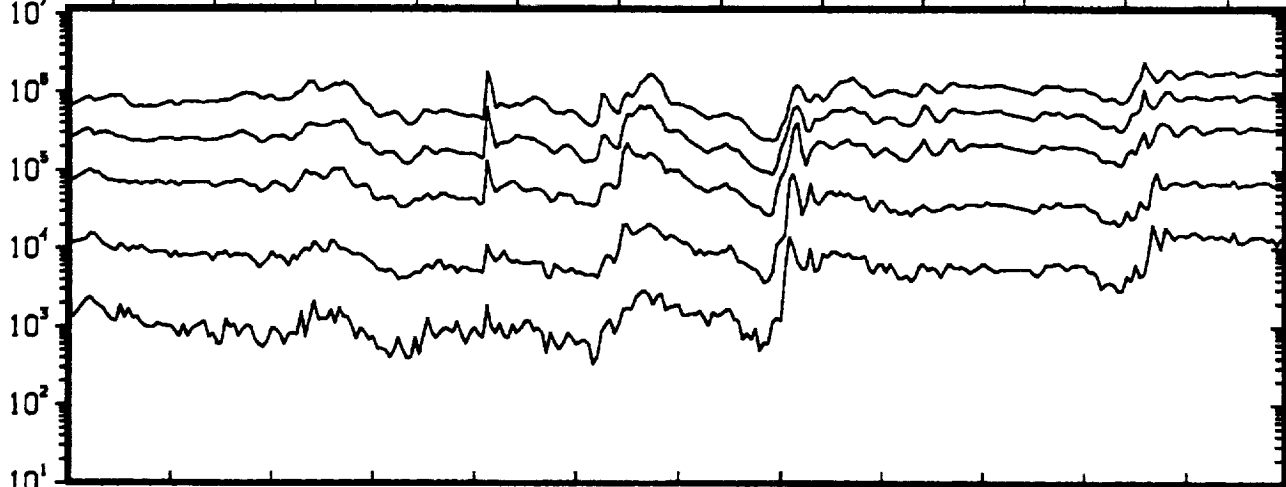
# LOW ENERGY IONS

1977-007 83/01/18  
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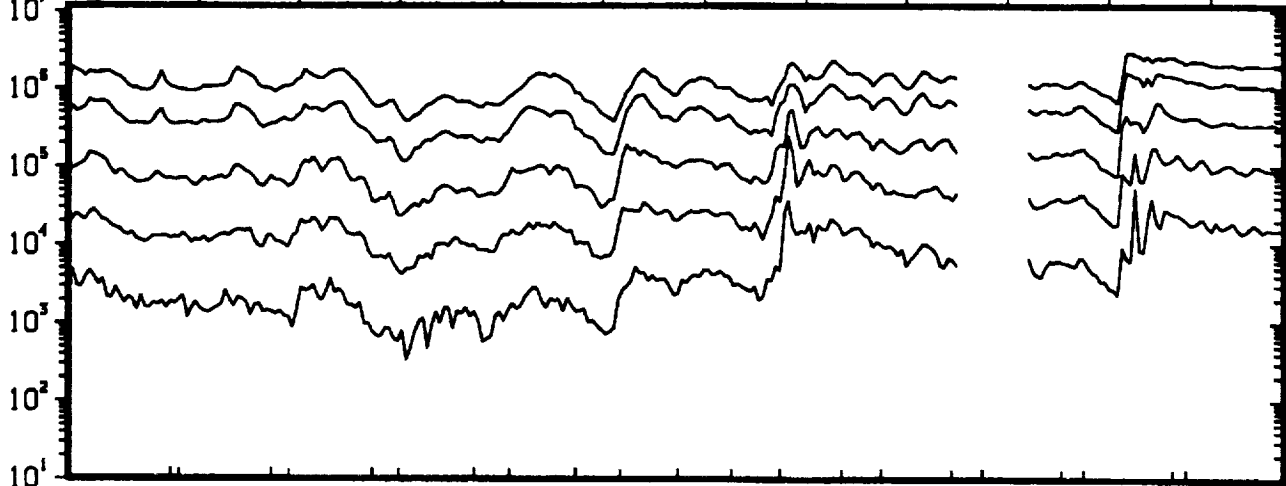


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



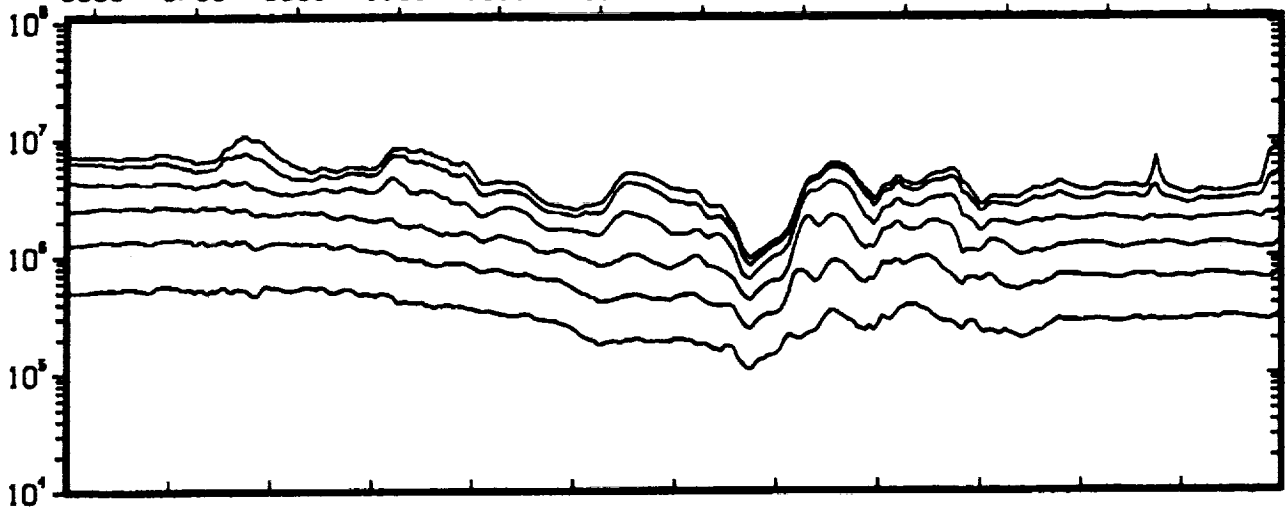
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# LOW ENERGY ELECTRONS

1977-007

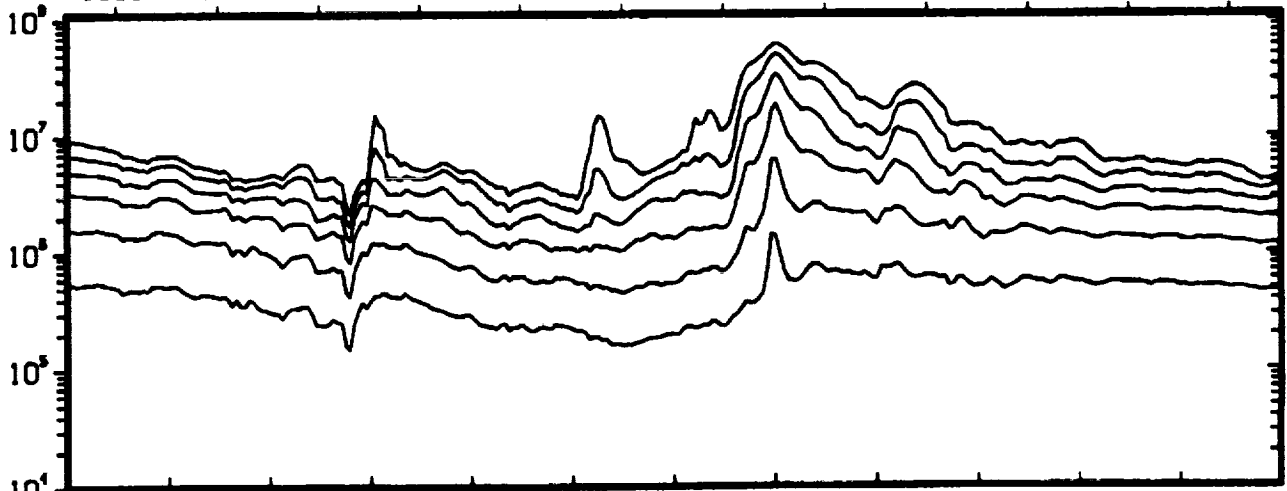
83/01/19

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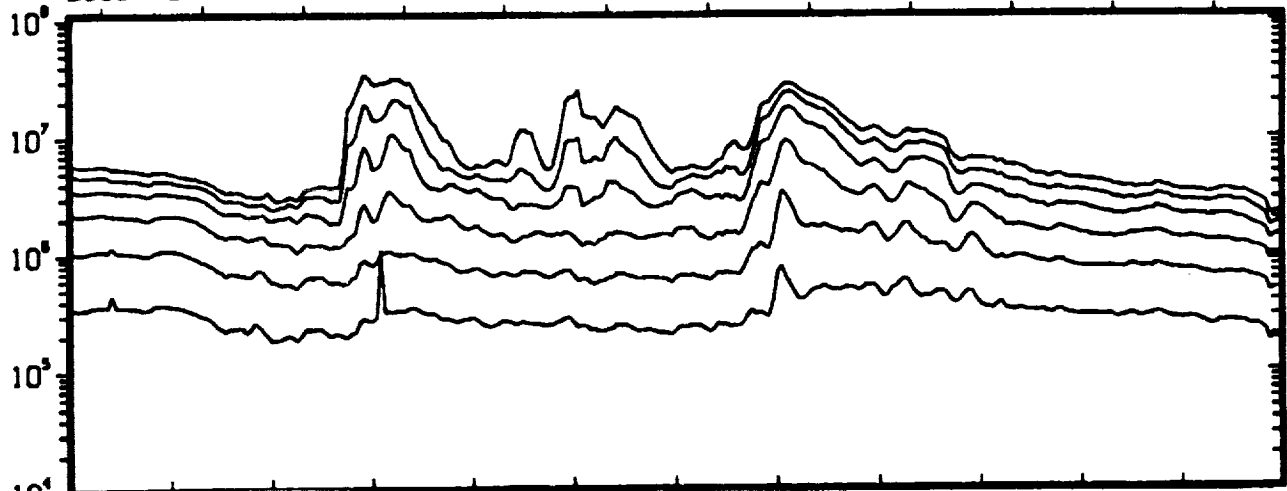
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



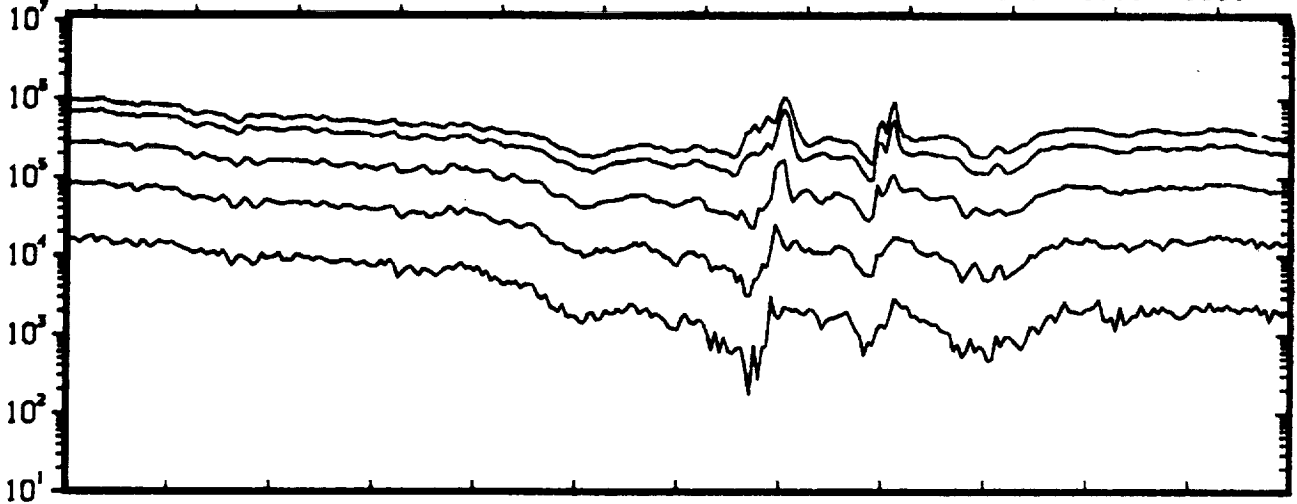
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

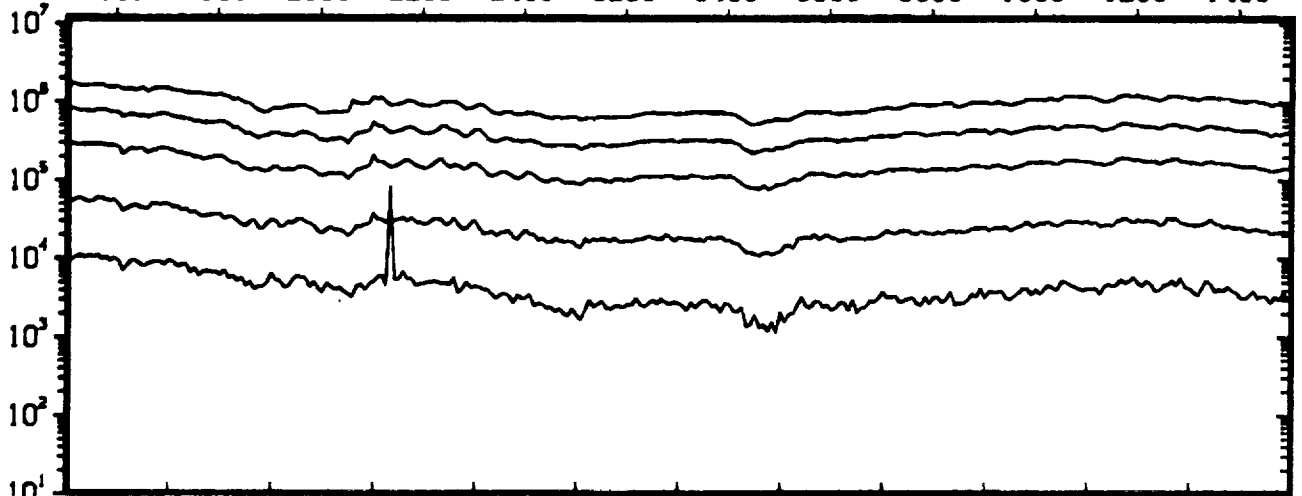
83/01/19

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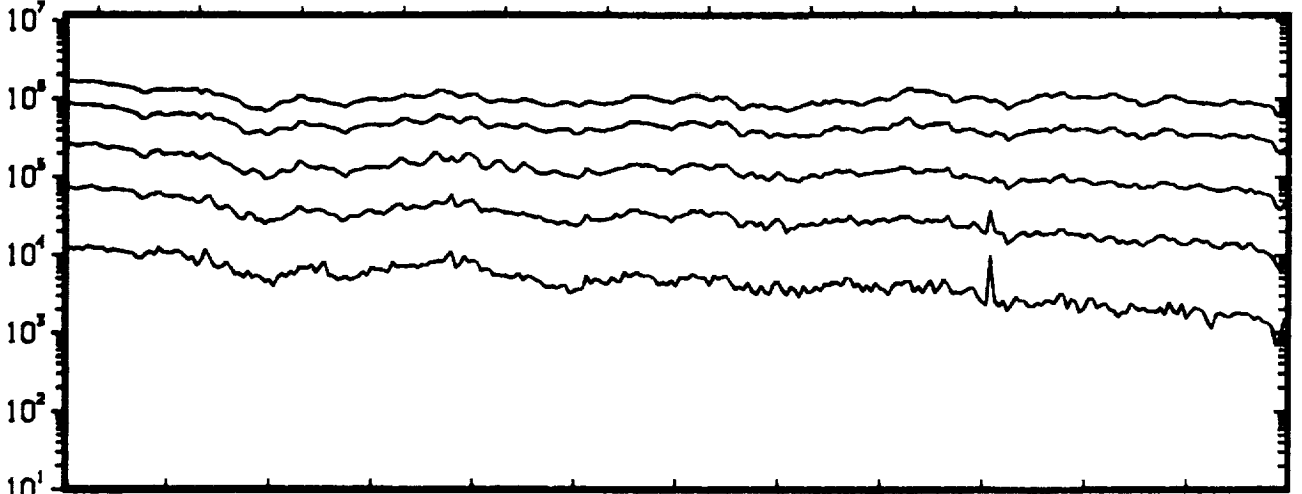
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



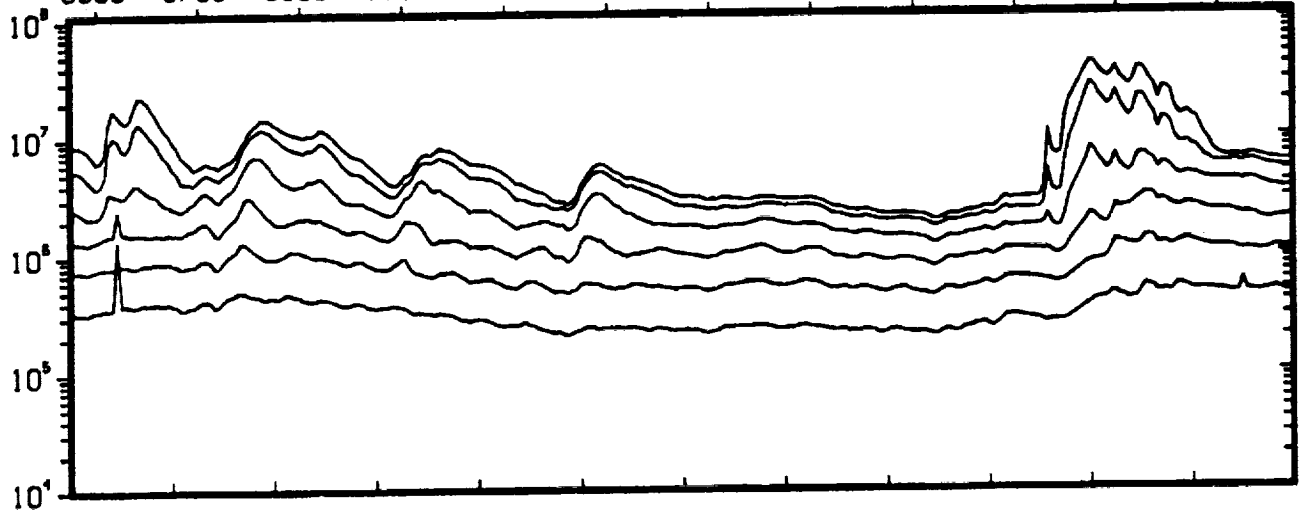
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

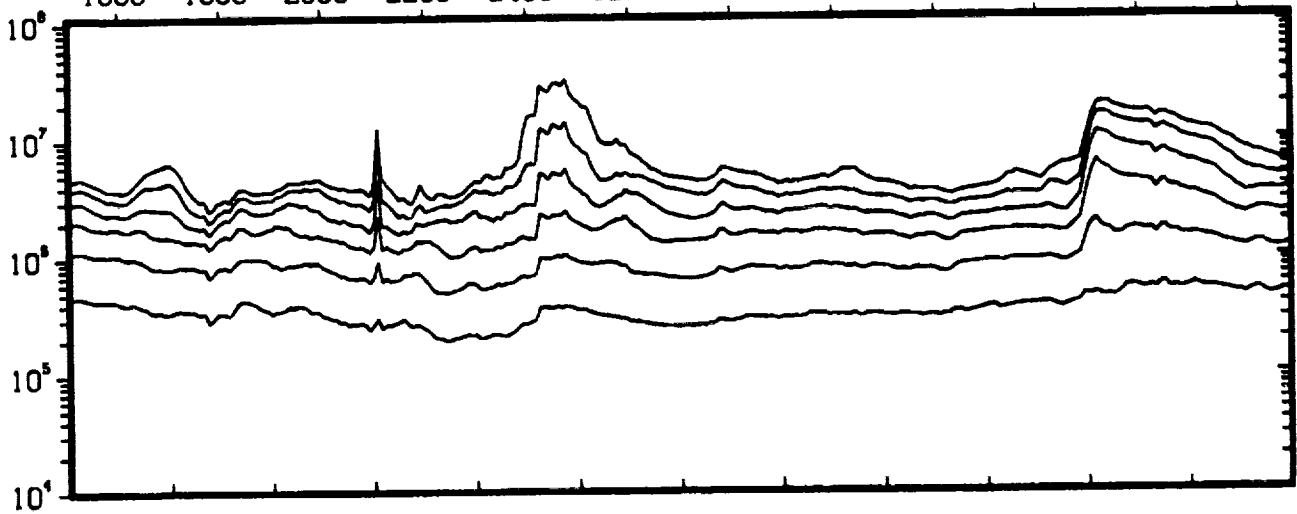
83/01/20

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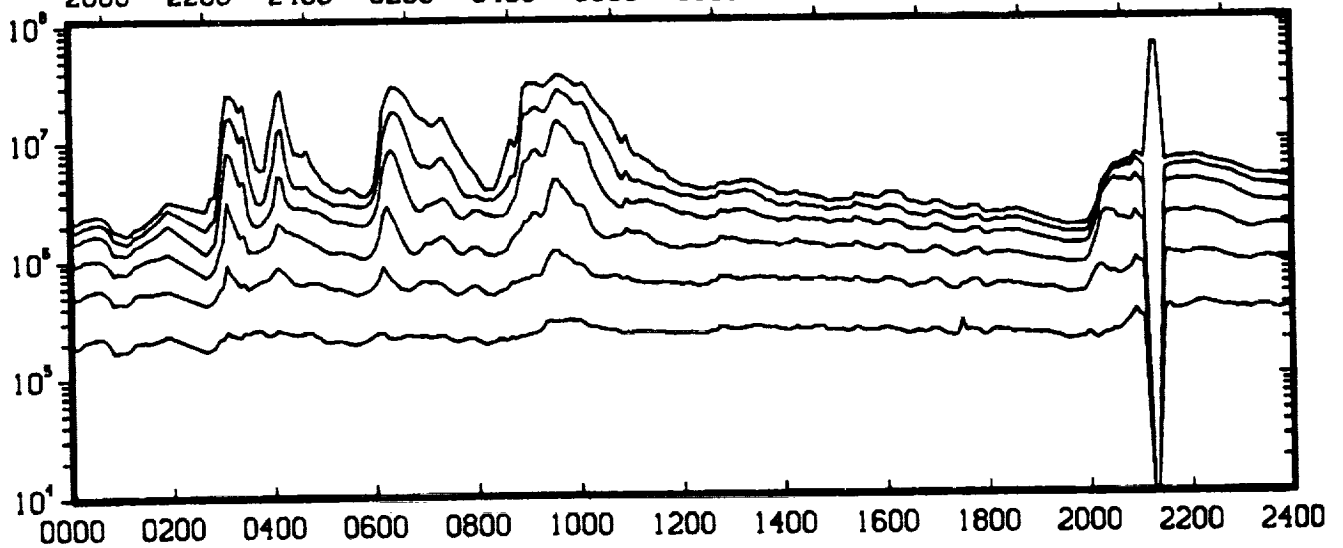
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

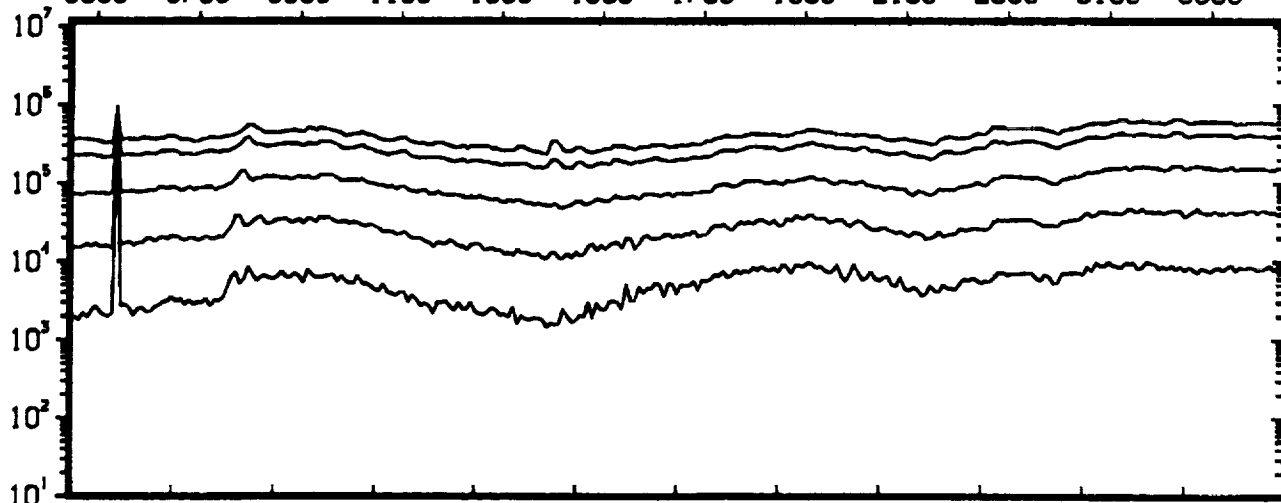


# LOW ENERGY IONS

1977-007

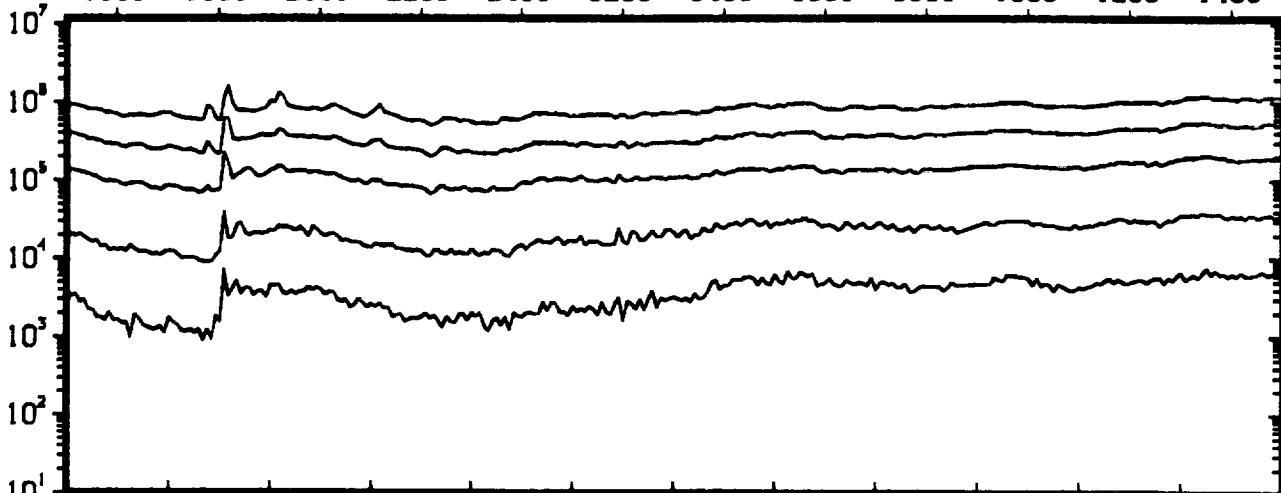
83/01/20

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



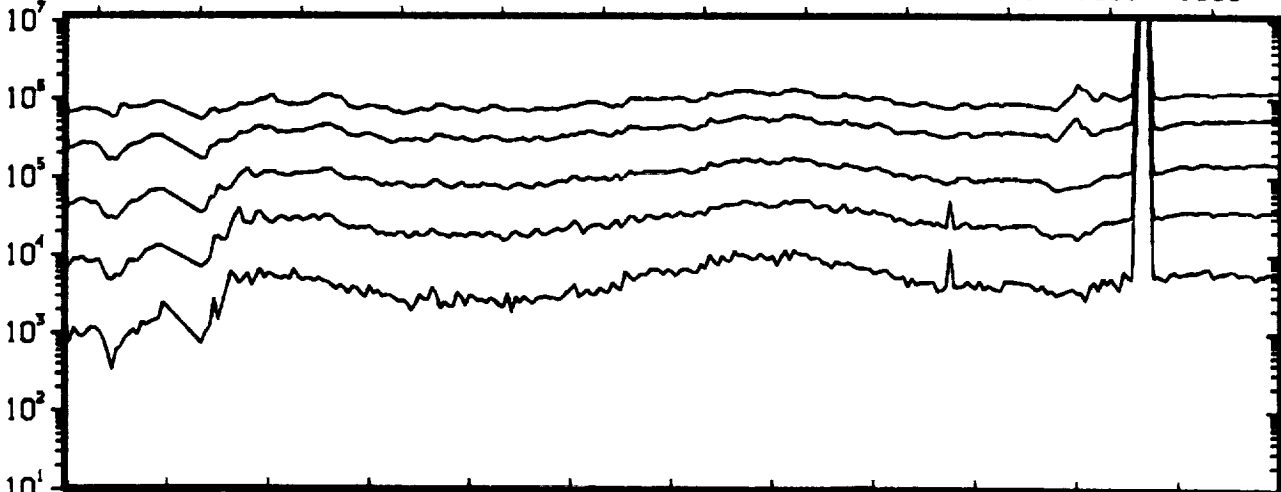
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



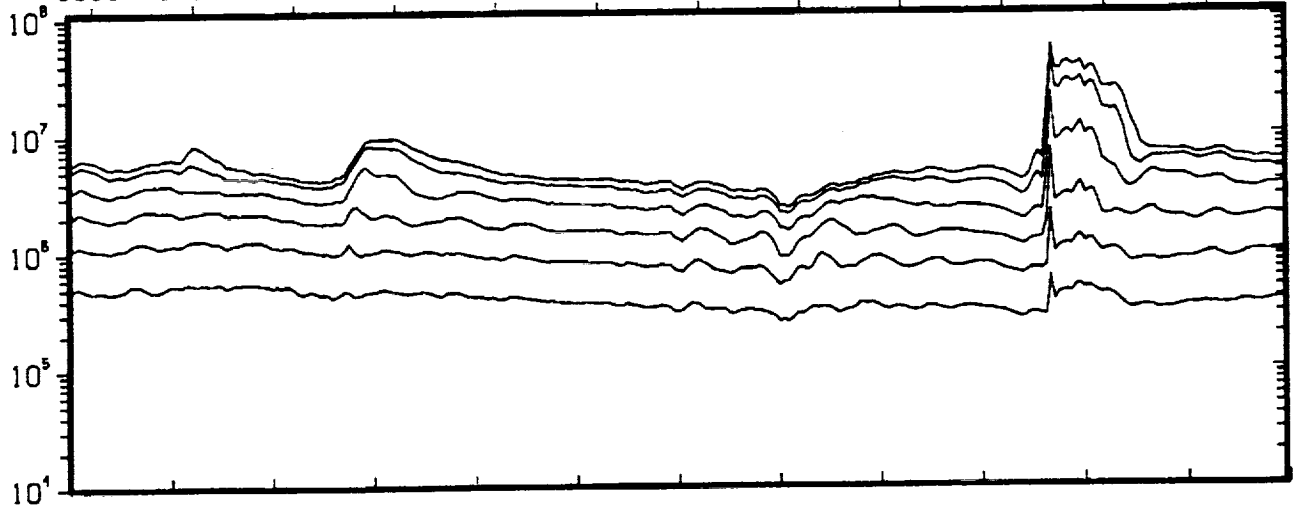
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

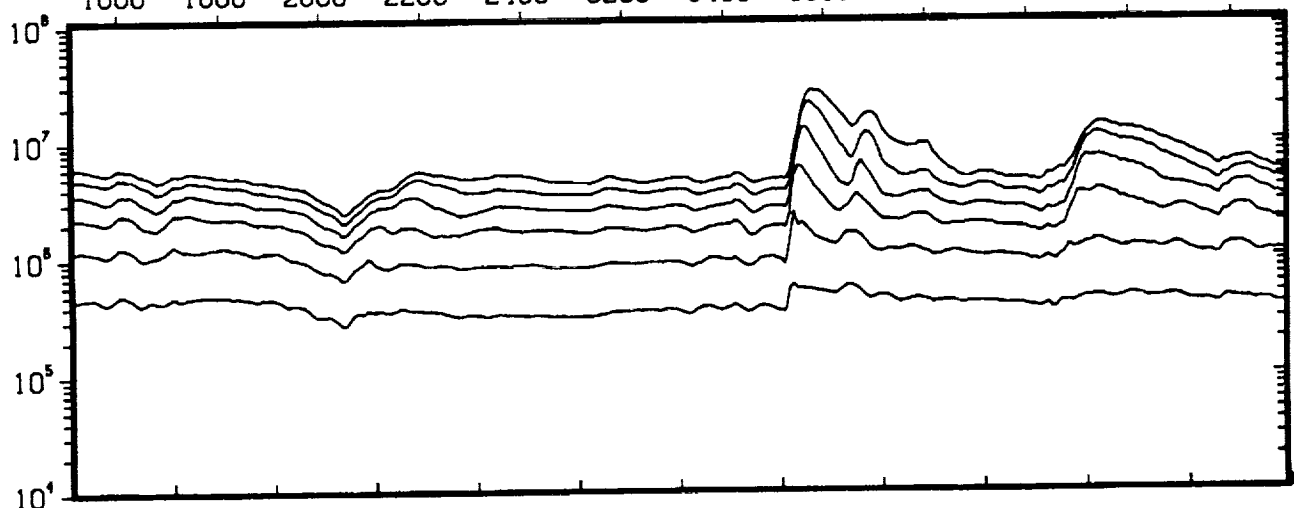
83/01/21

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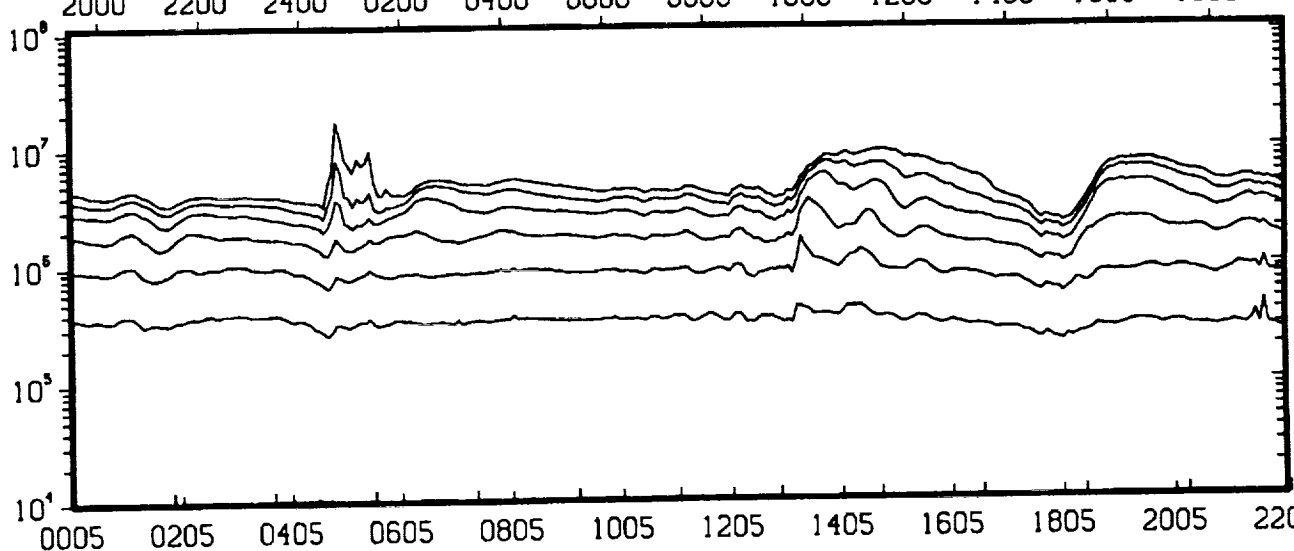
1981-025

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1982-019

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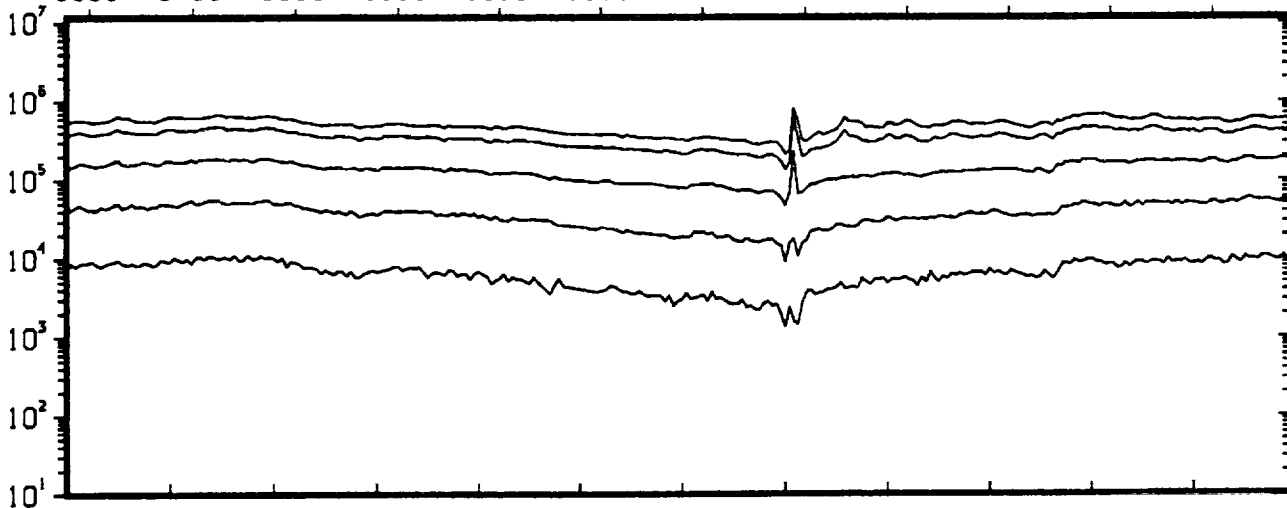
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

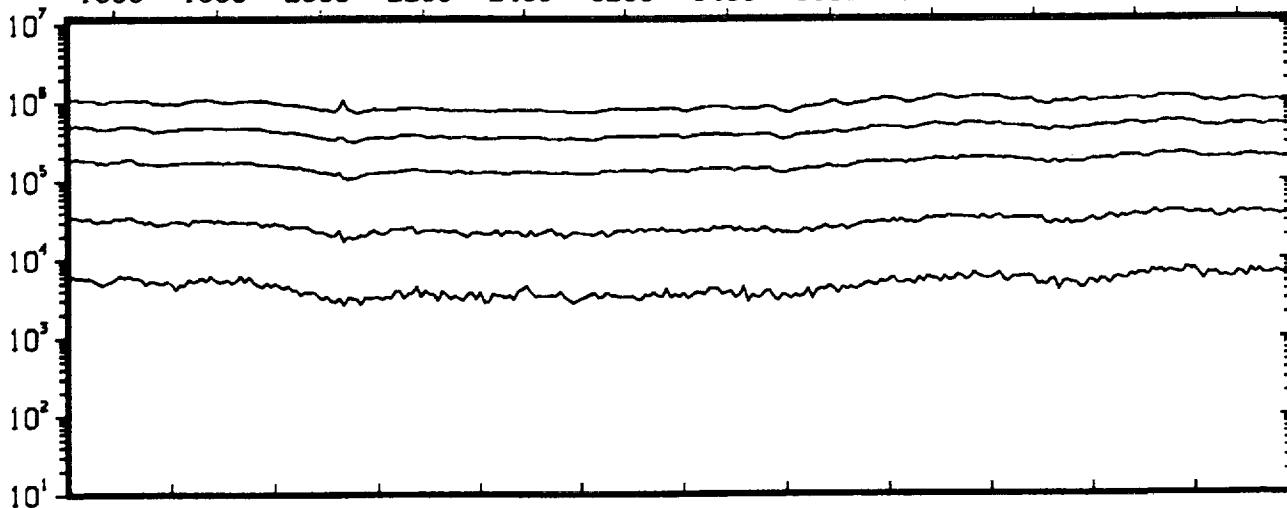
83/01/21

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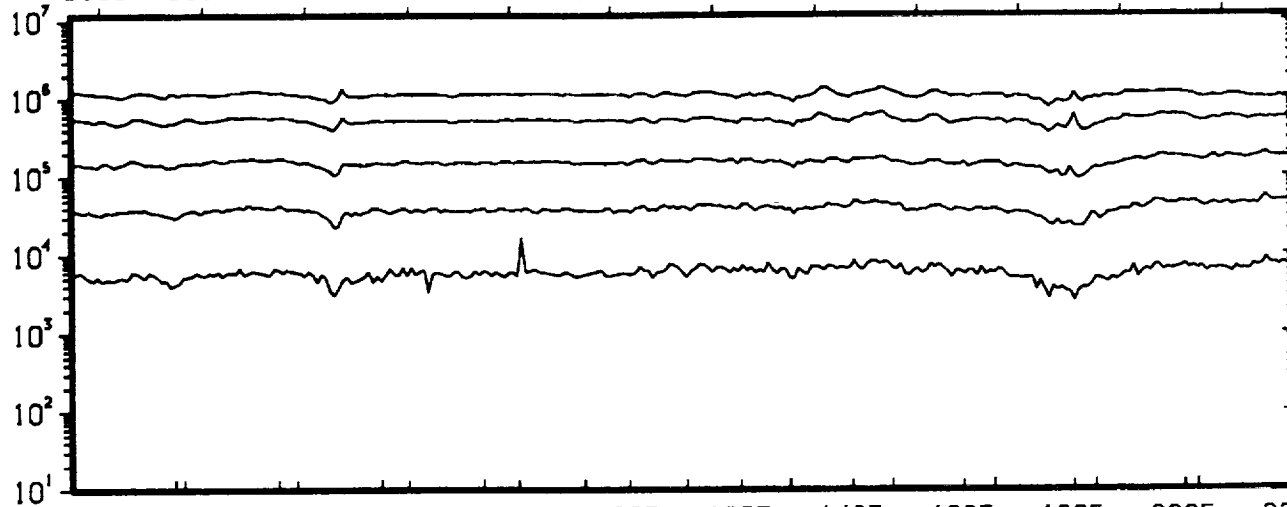
1981-025

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1982-019

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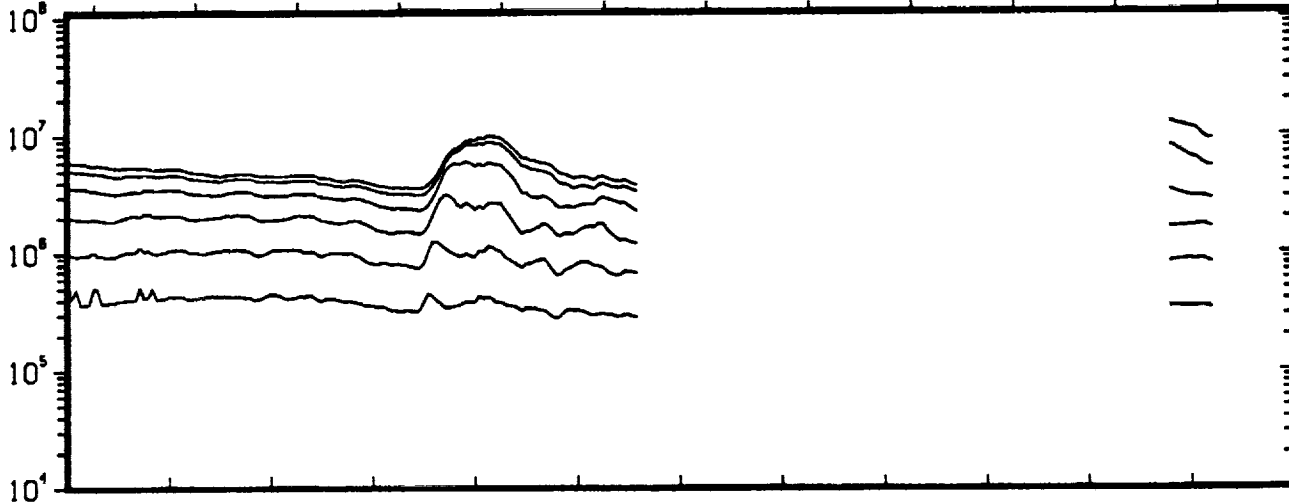
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

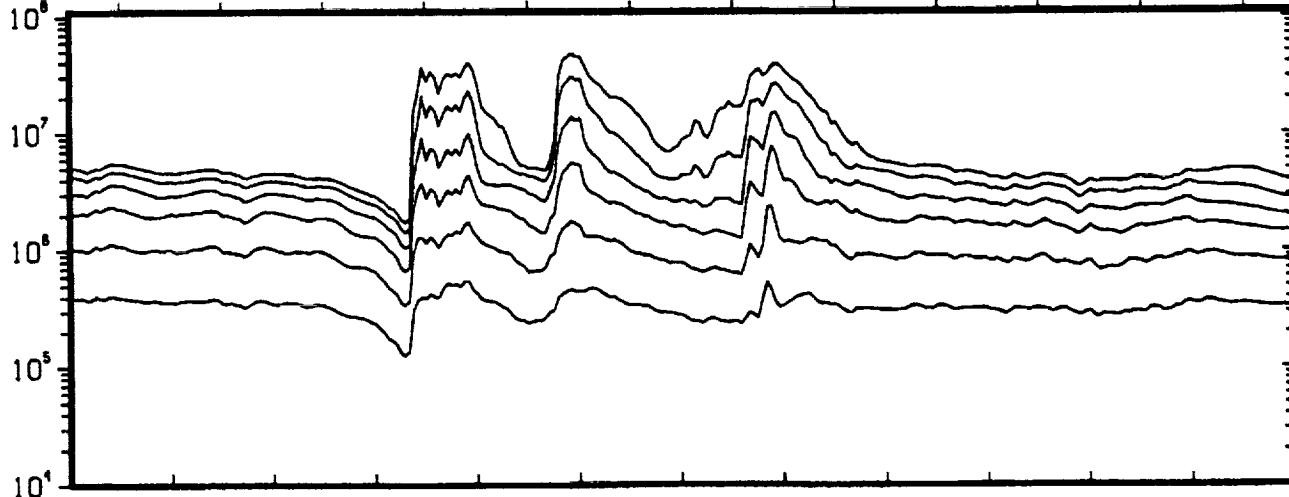
83/01/22

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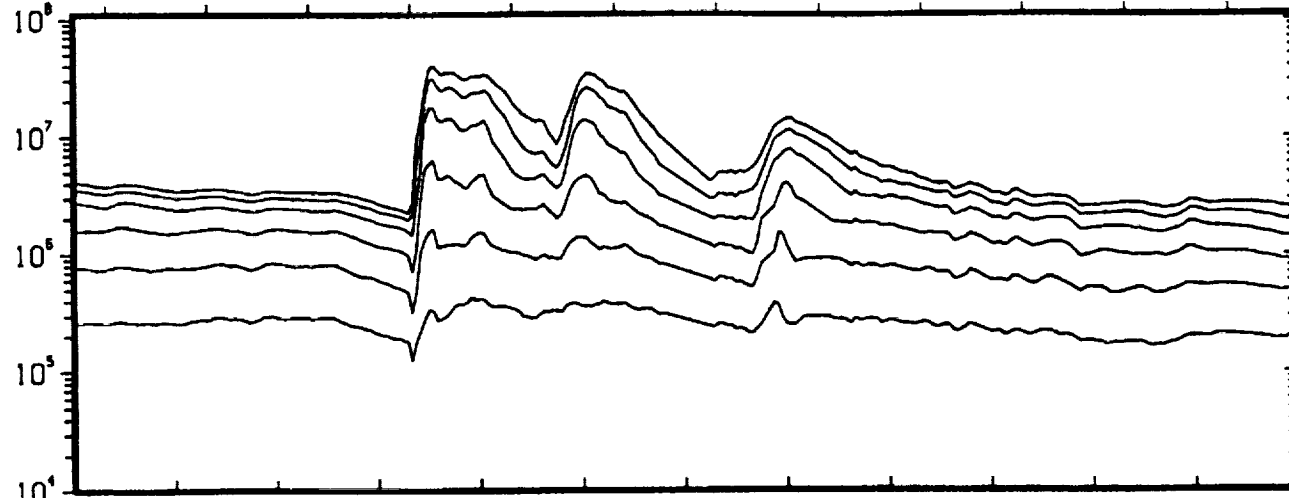
1981-025

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1982-019

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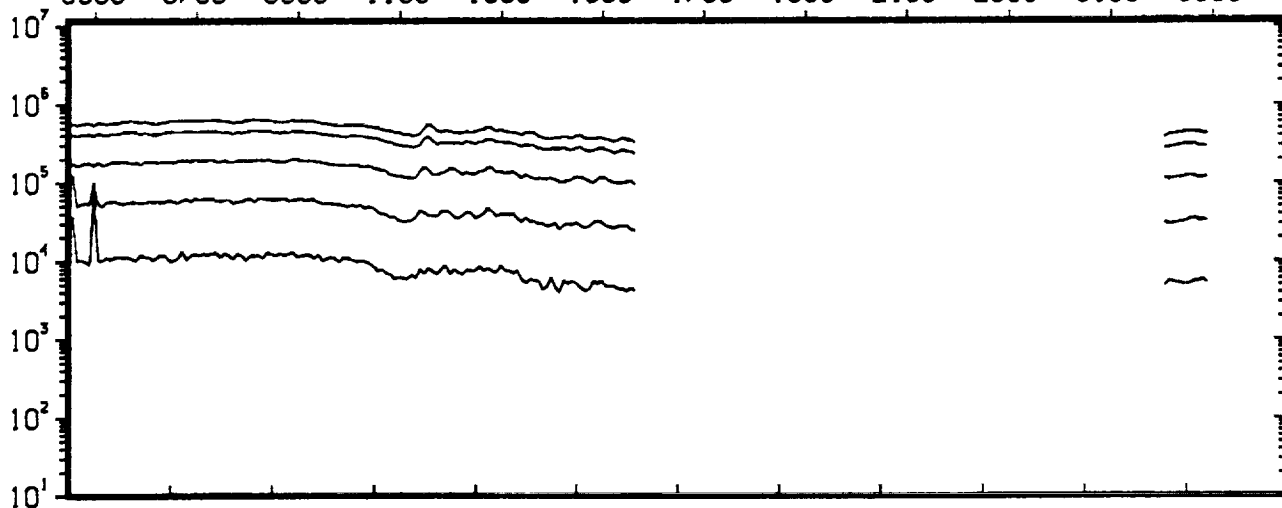
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

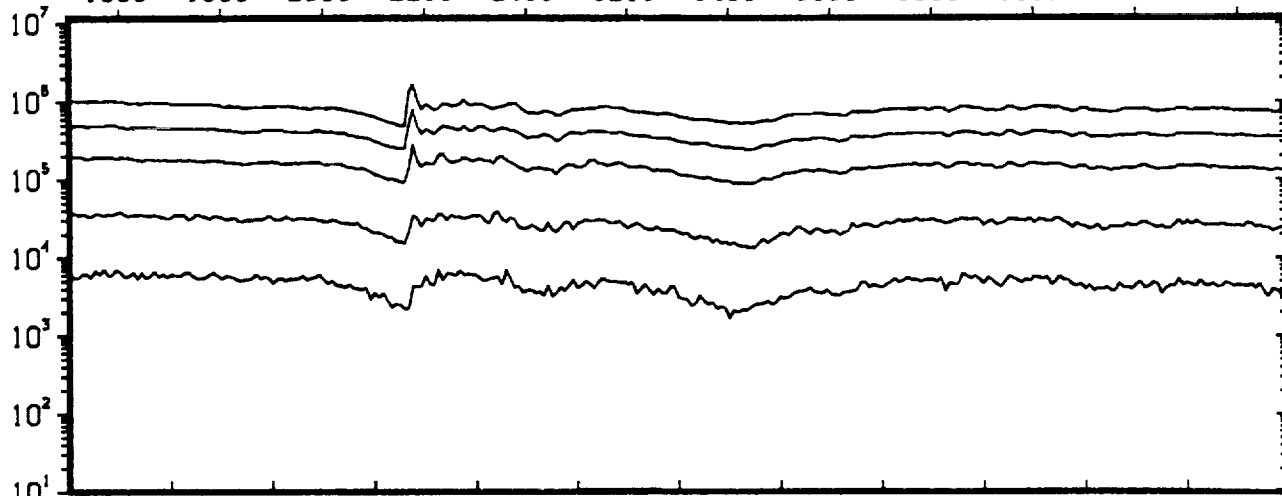
83/01/22

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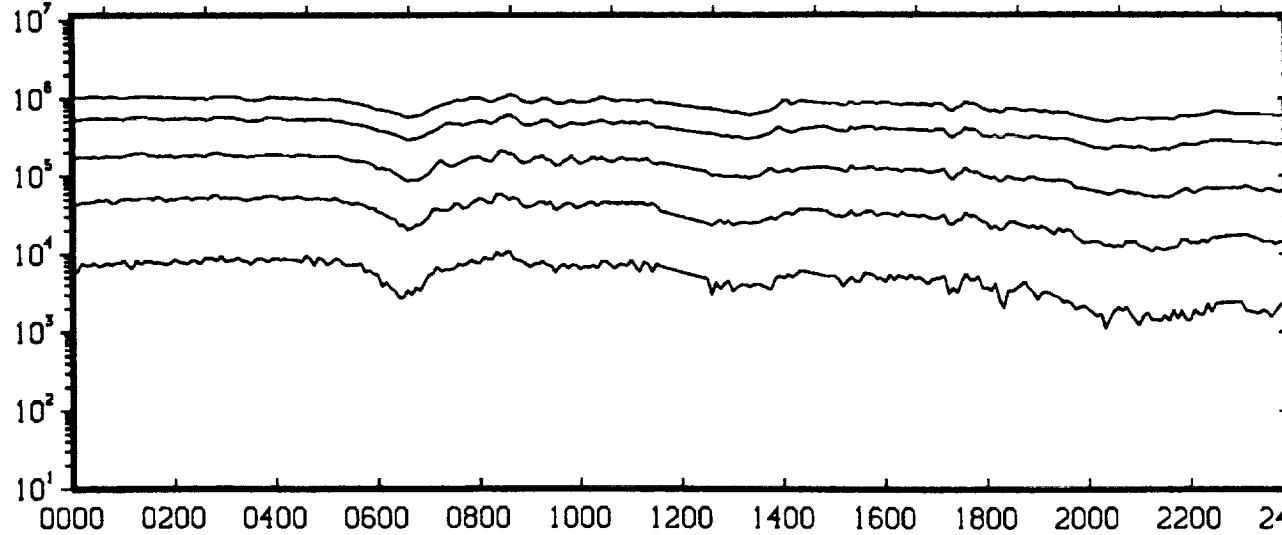
1981-025

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1982-019

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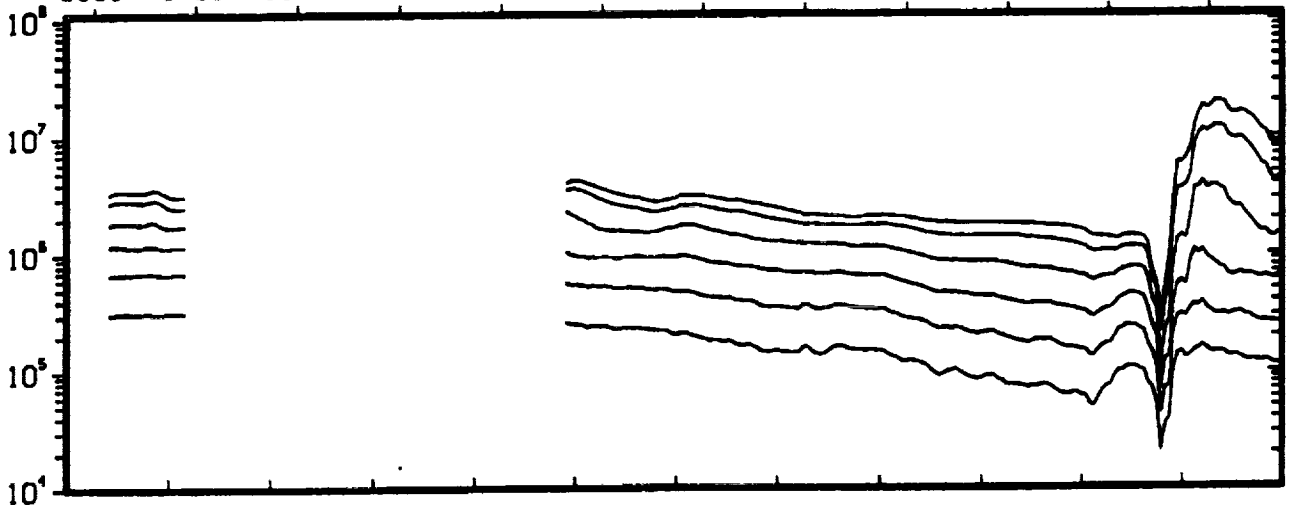
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

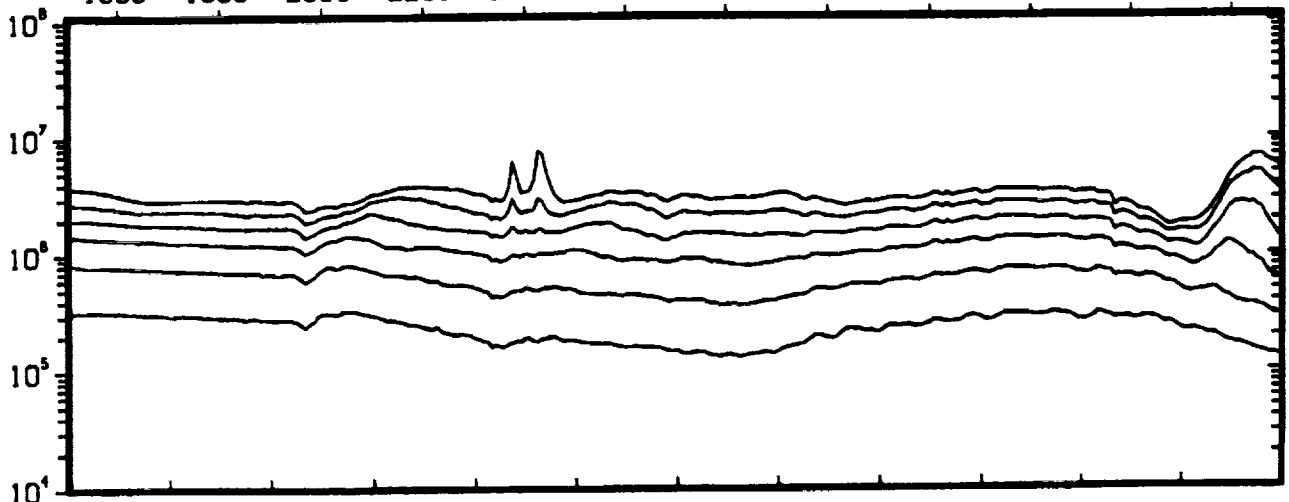
83/01/23

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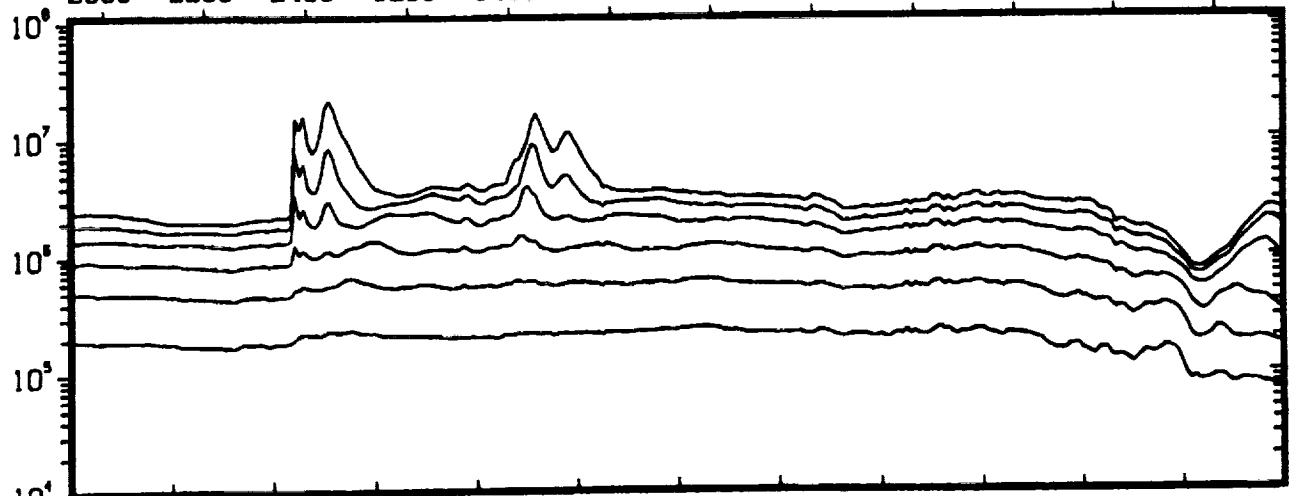
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



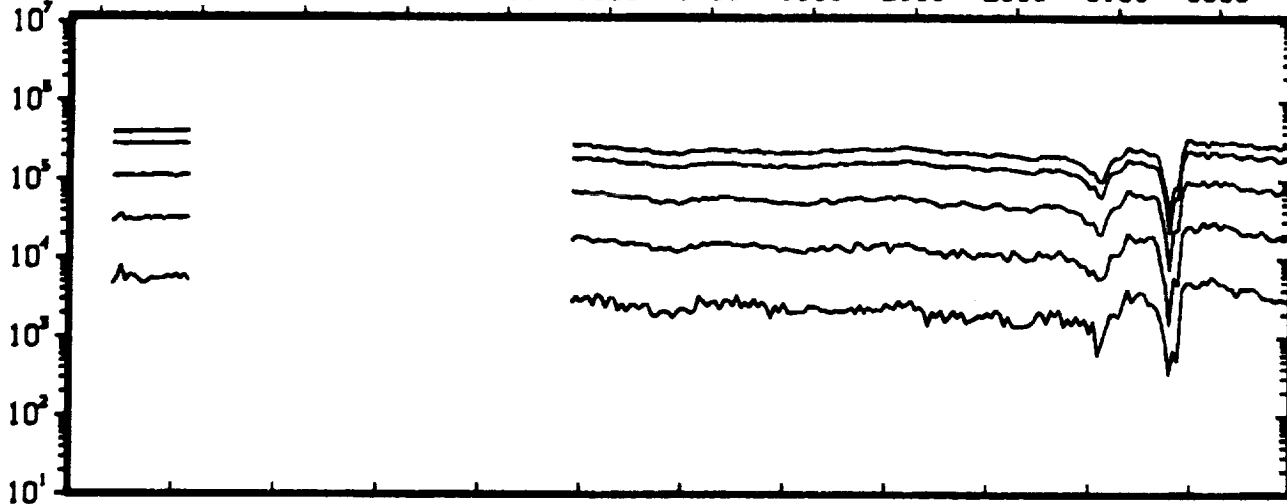
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

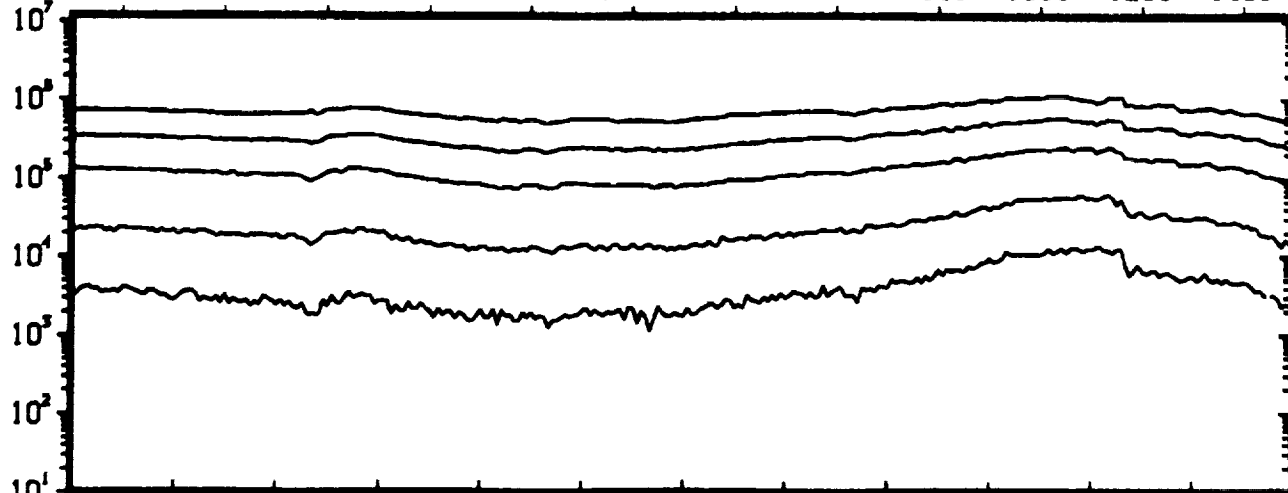
83/01/23

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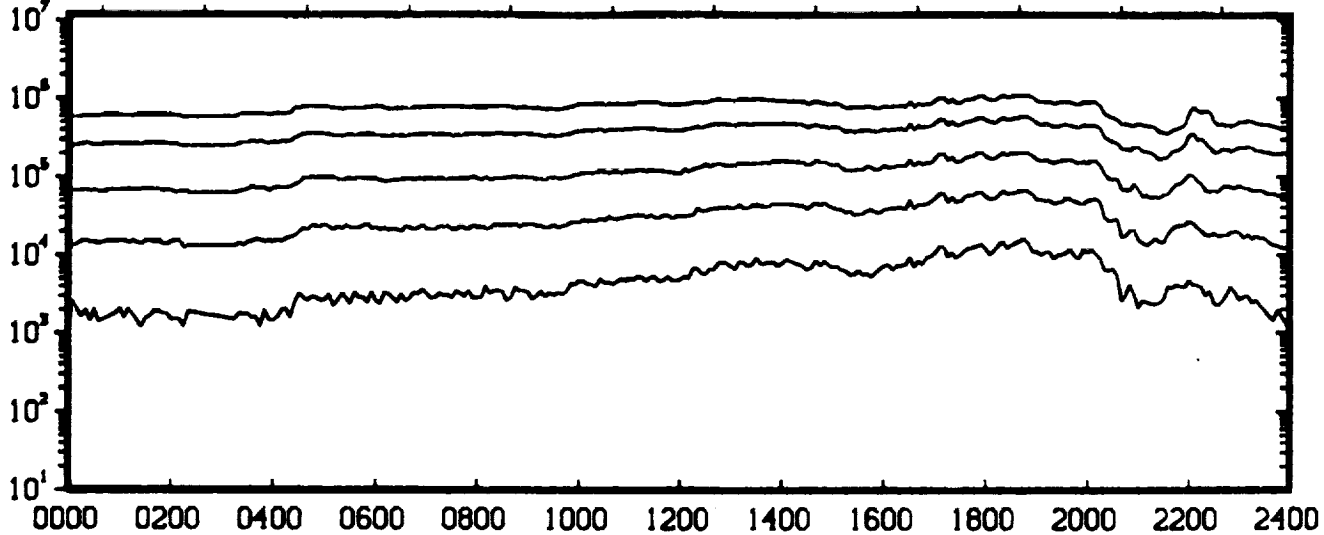
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

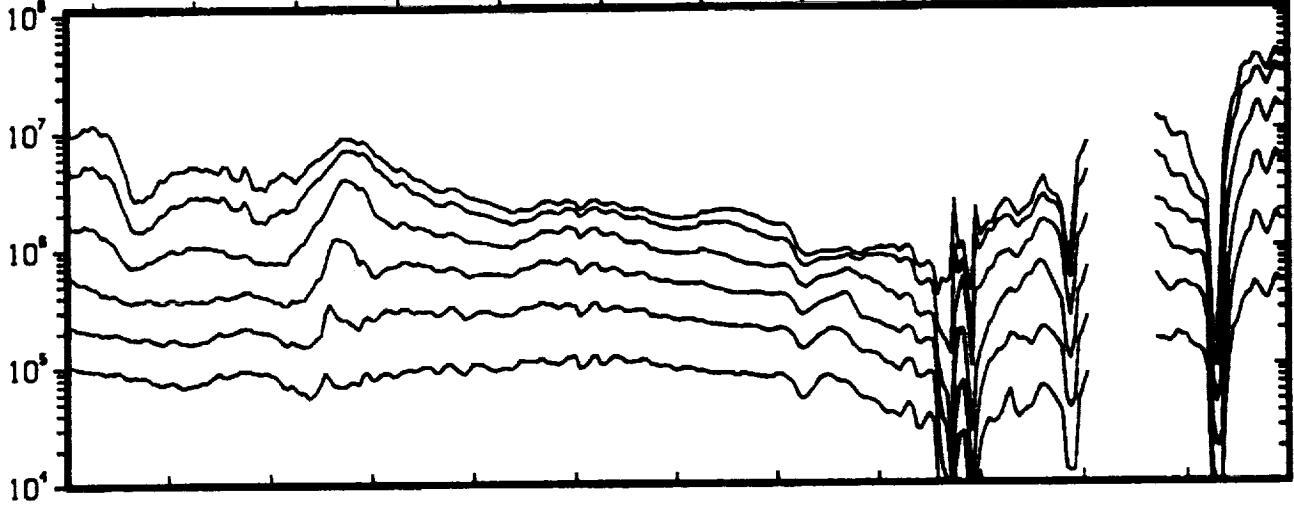


# LOW ENERGY ELECTRONS

1977-007

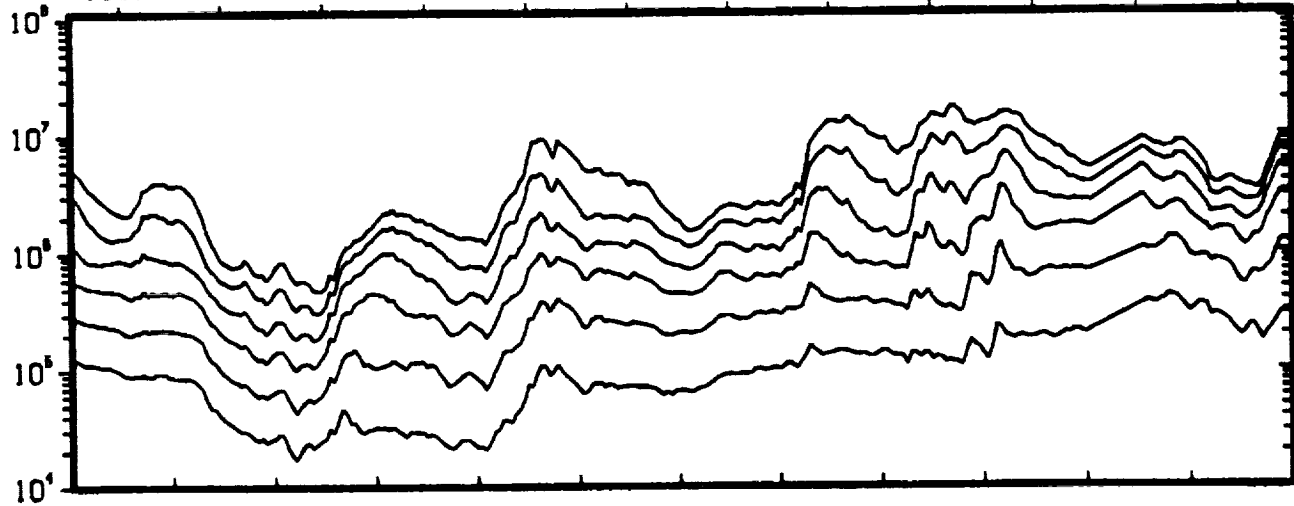
83/01/24

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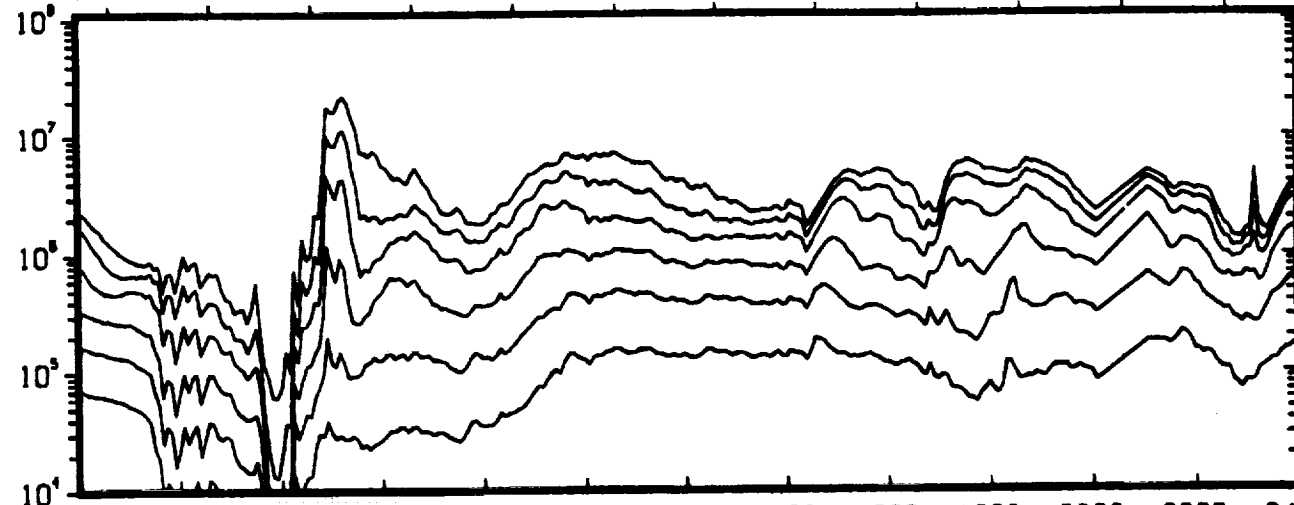
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

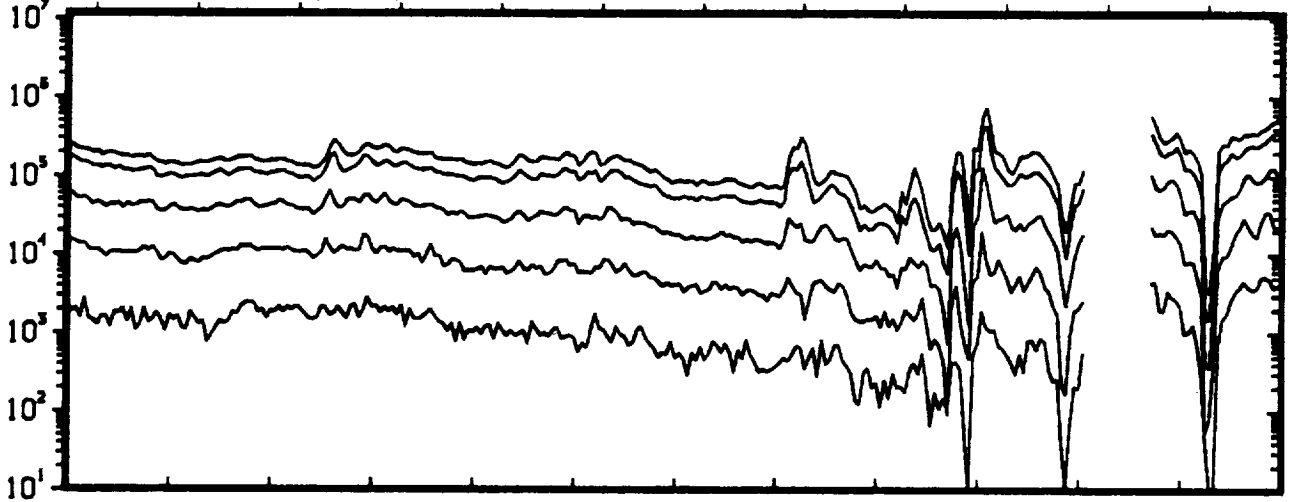


# LOW ENERGY IONS

1977-007

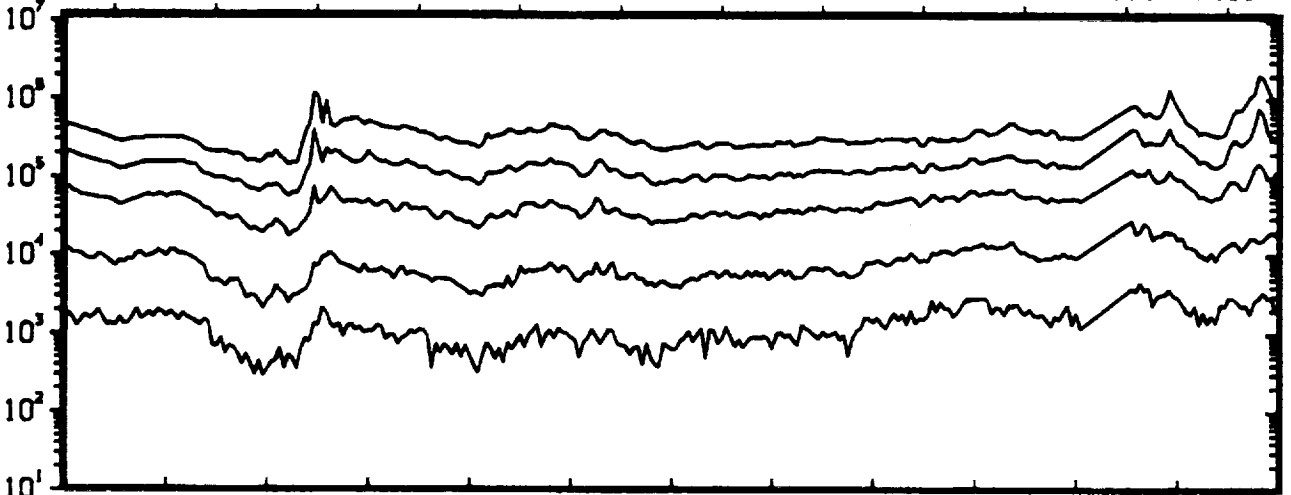
83/01/24

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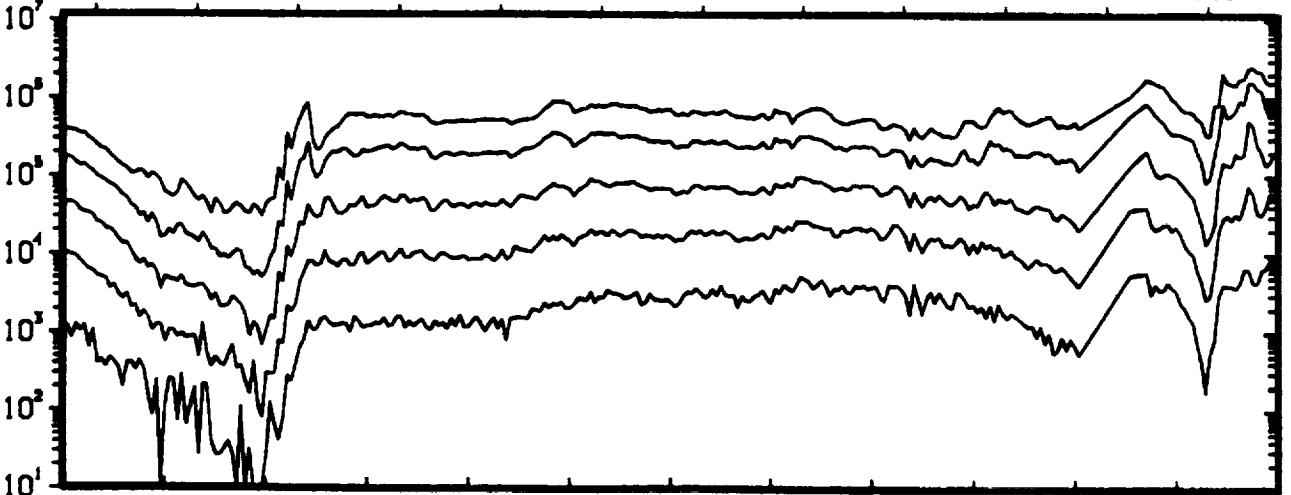
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



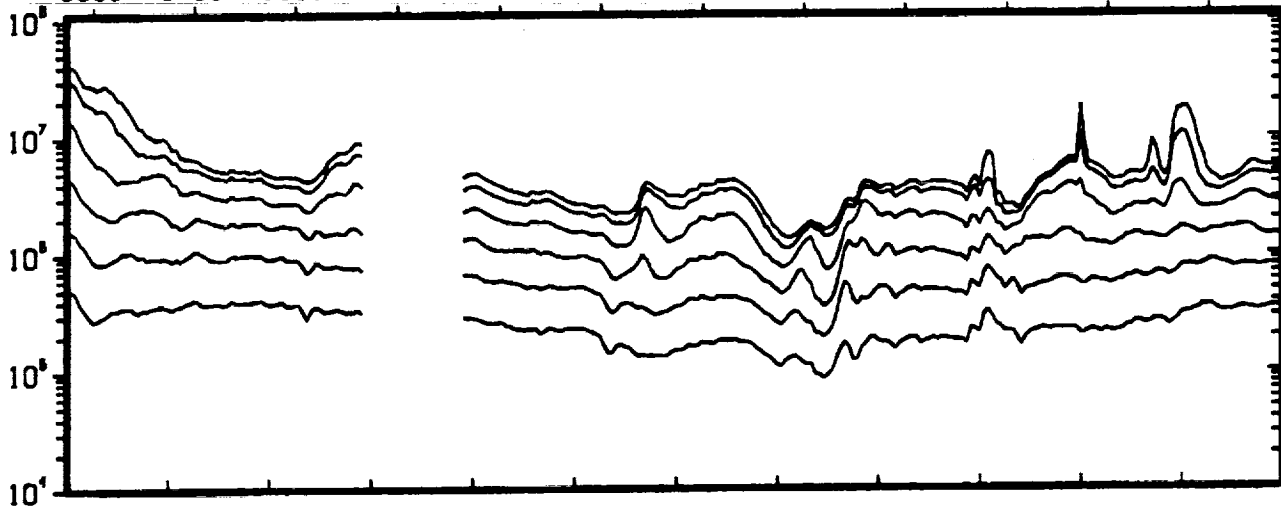
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

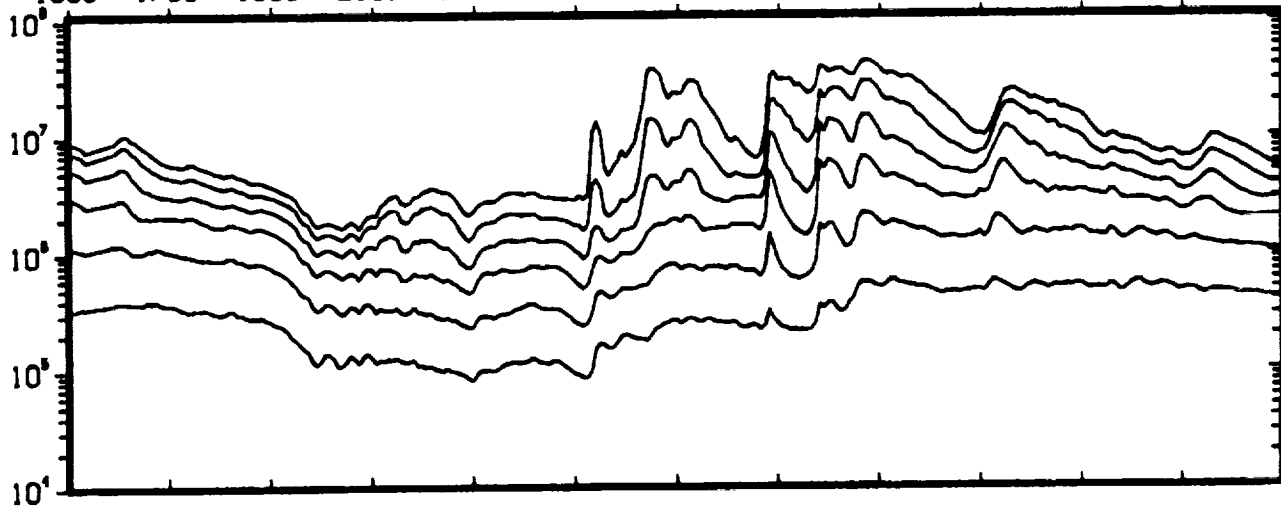
83/01/25

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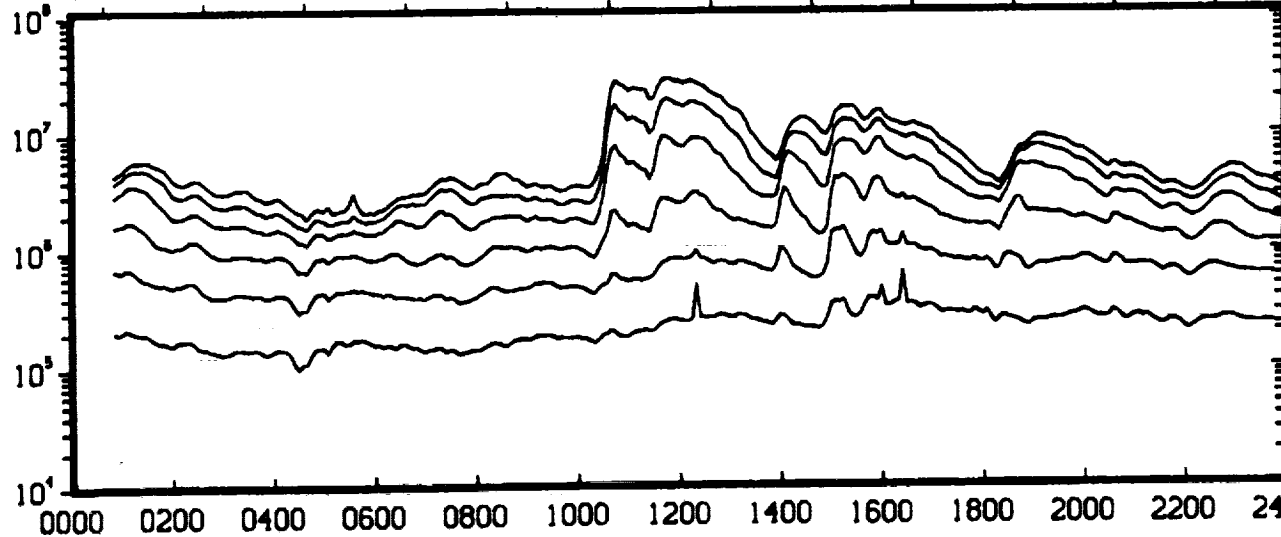
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



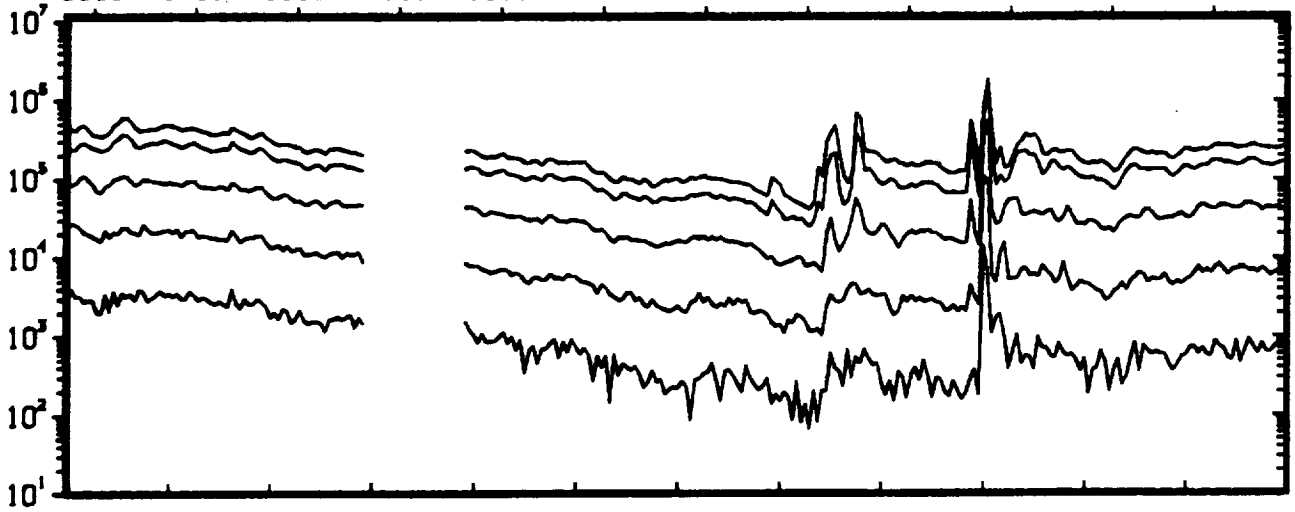
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

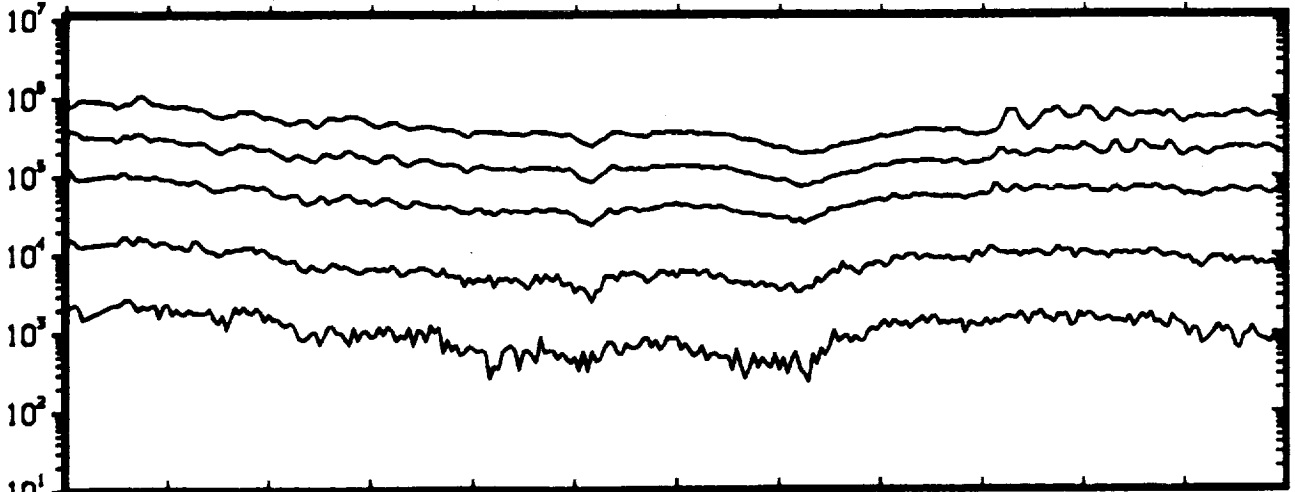
83/01/25

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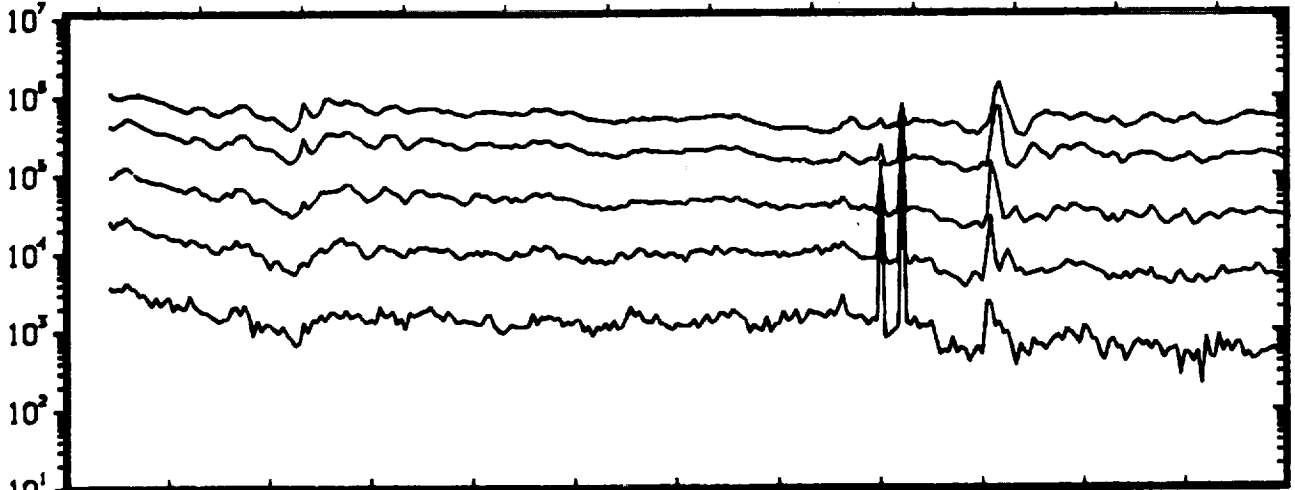
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



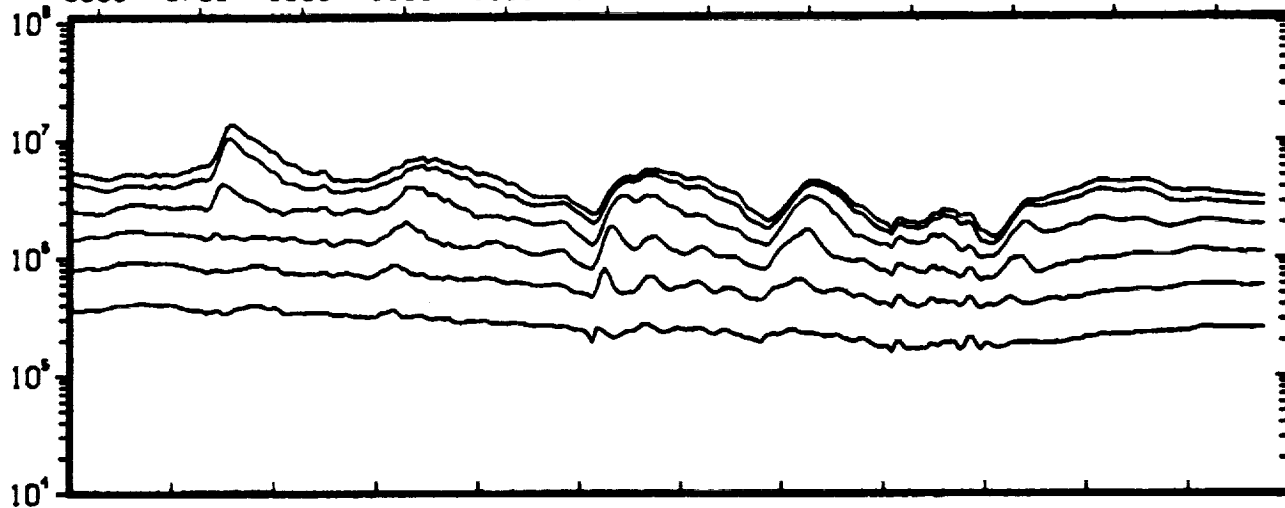
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

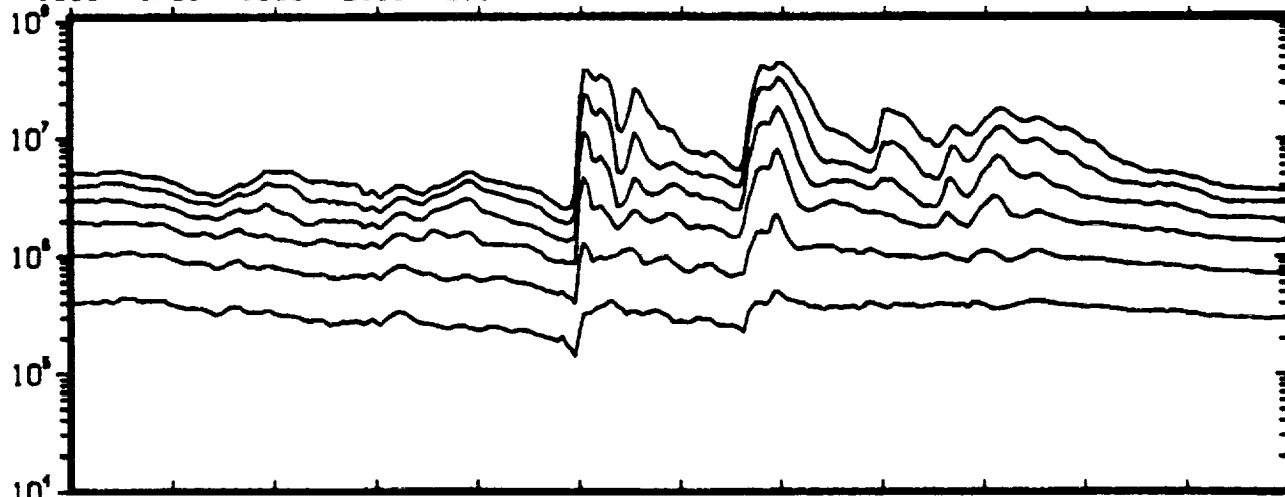
83/01/26

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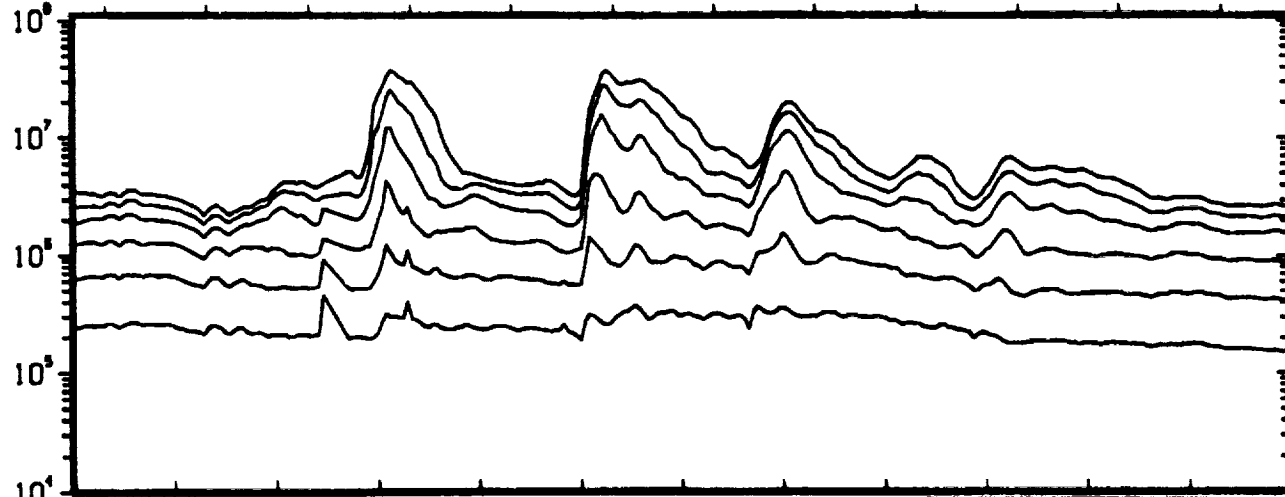
1981-025

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1982-019

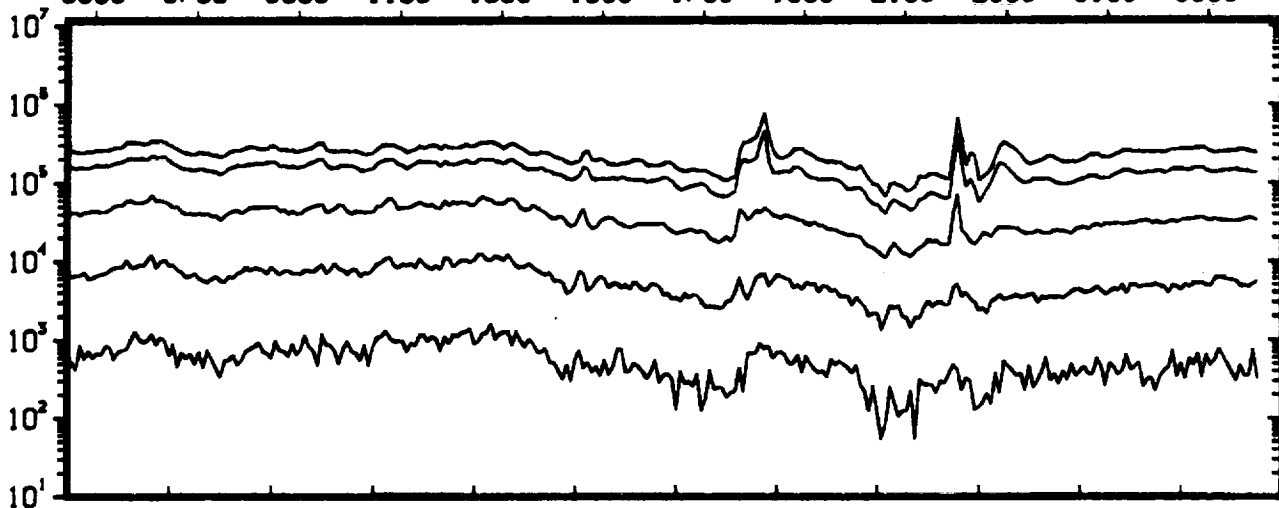
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

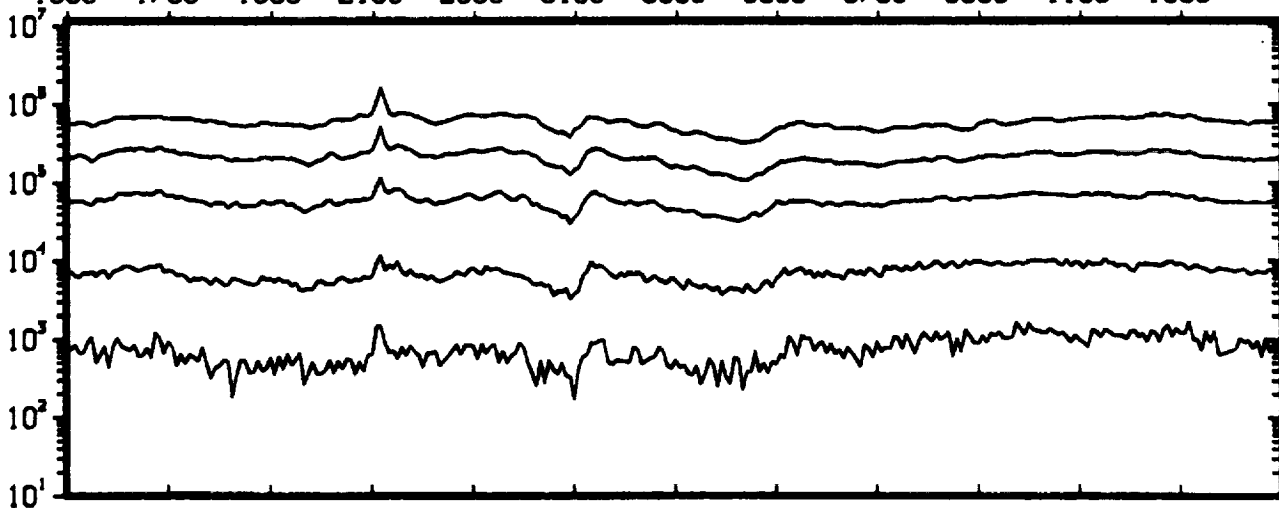
# LOW ENERGY IONS

1977-007 83/01/26  
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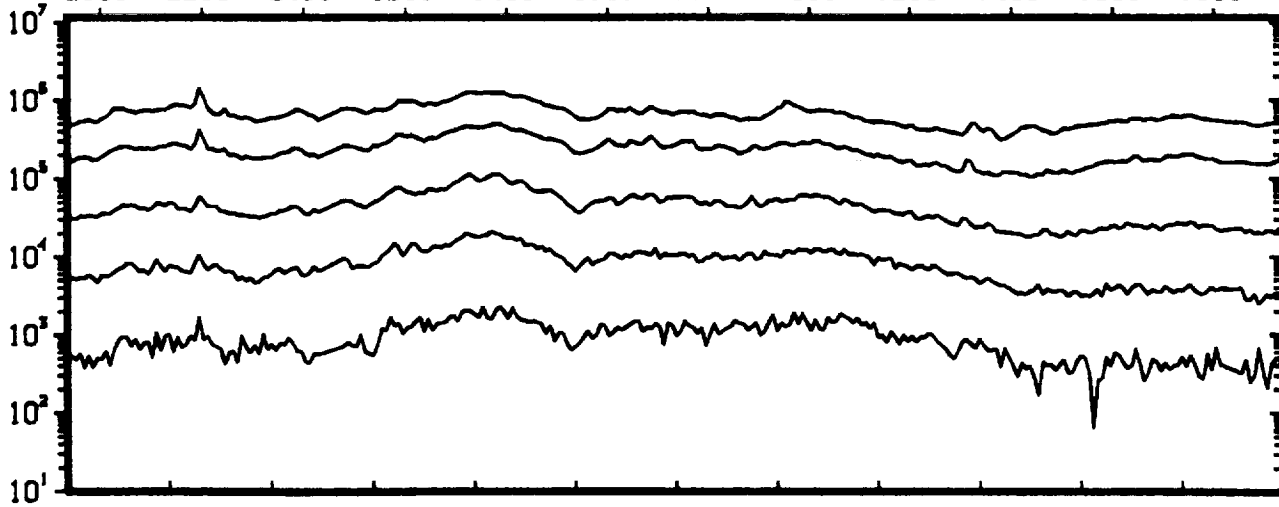


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



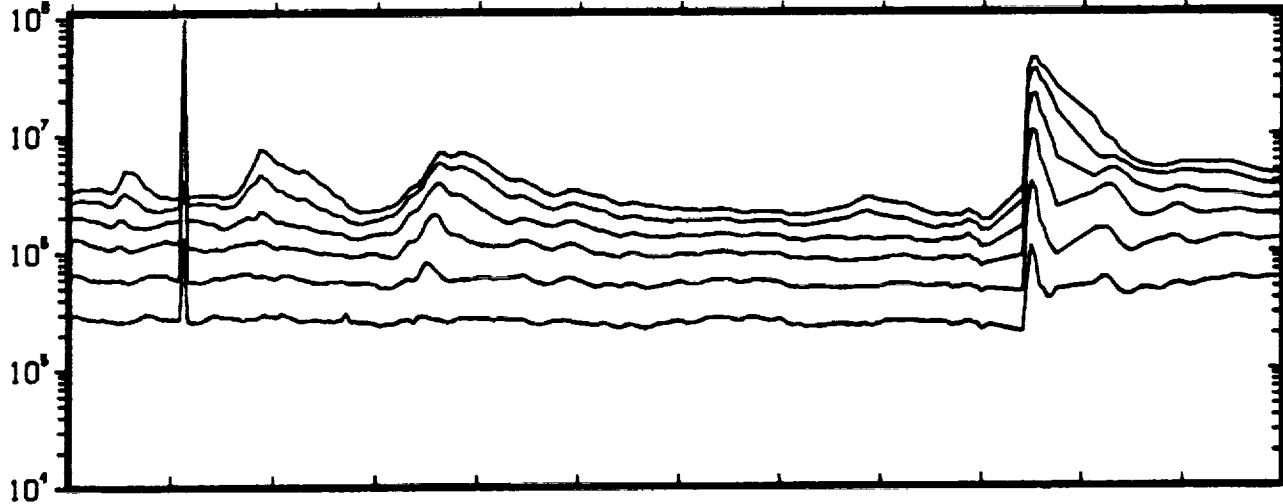
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1976-059

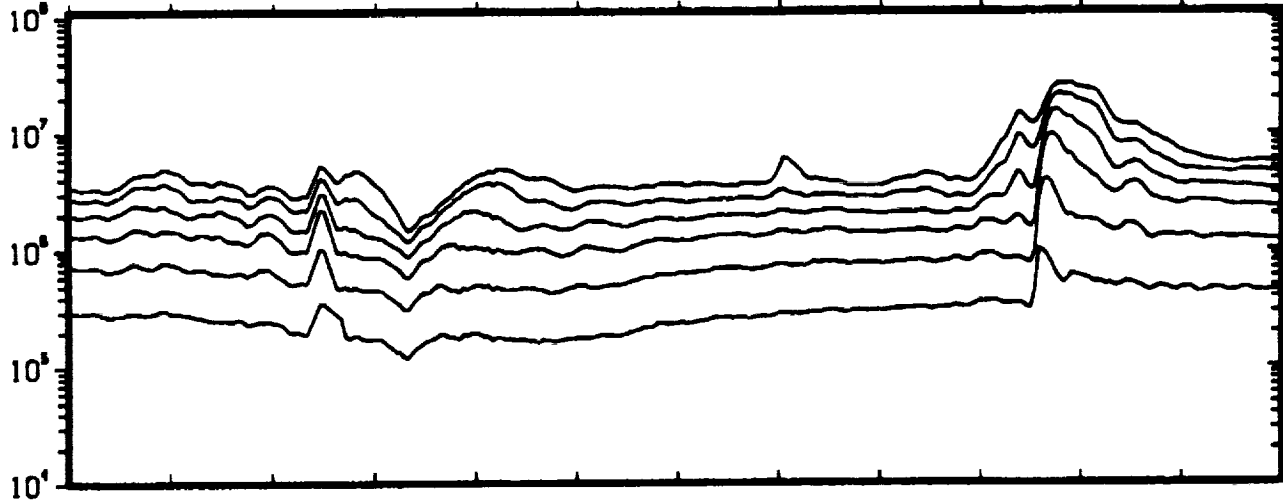
83/01/27

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



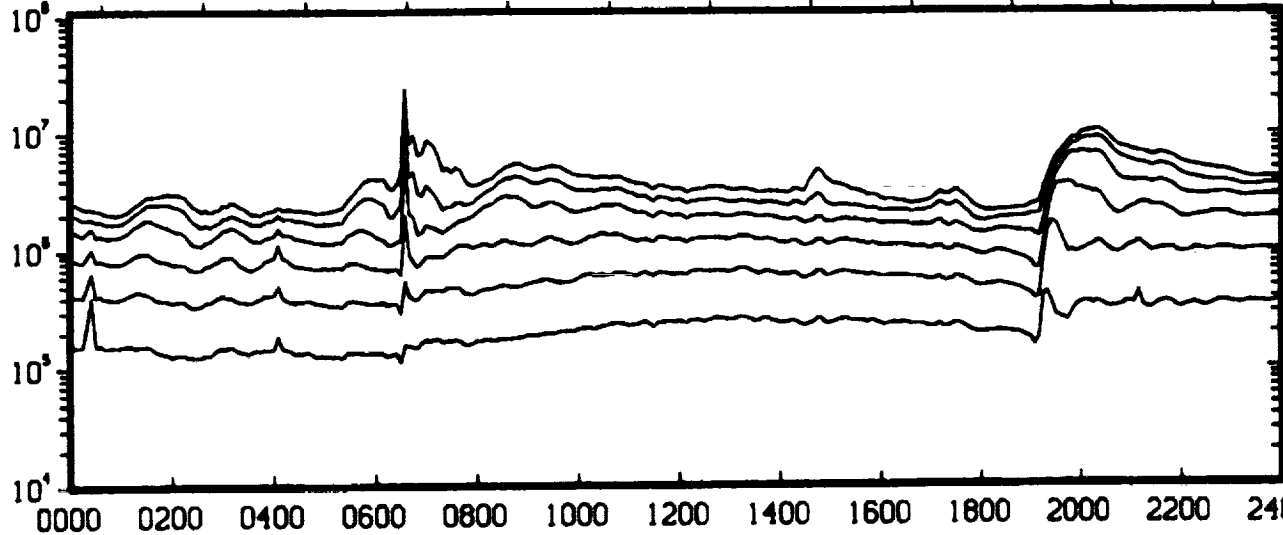
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

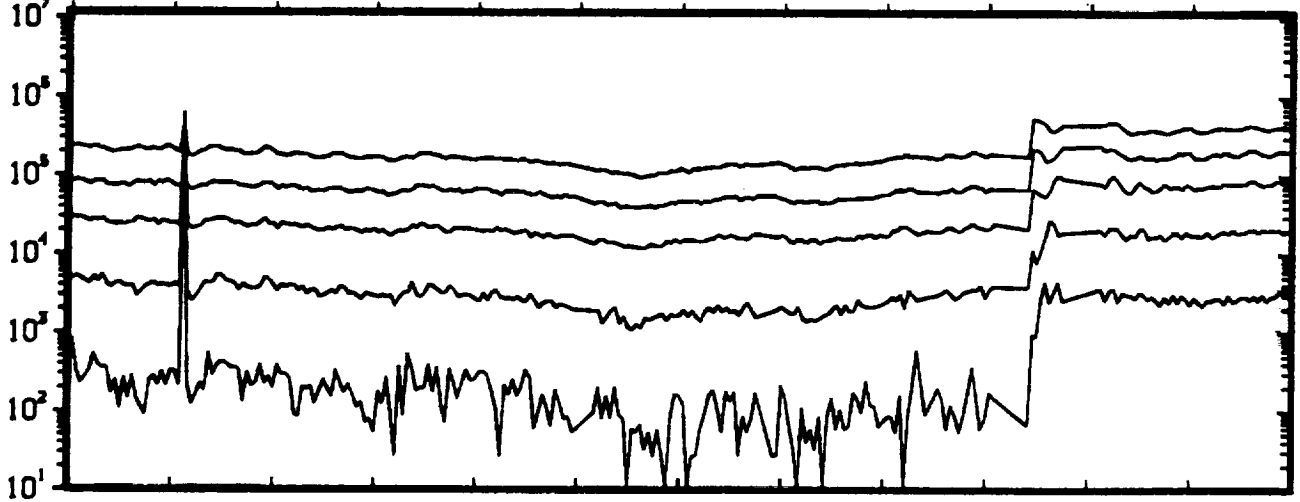
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

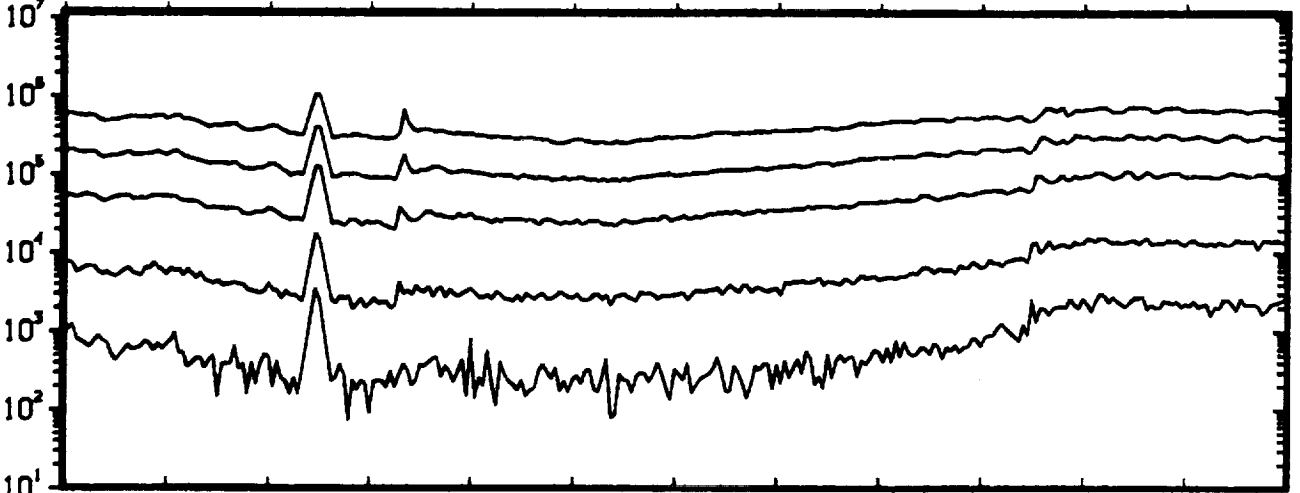
# LOW ENERGY IONS

1976-059 83/01/27  
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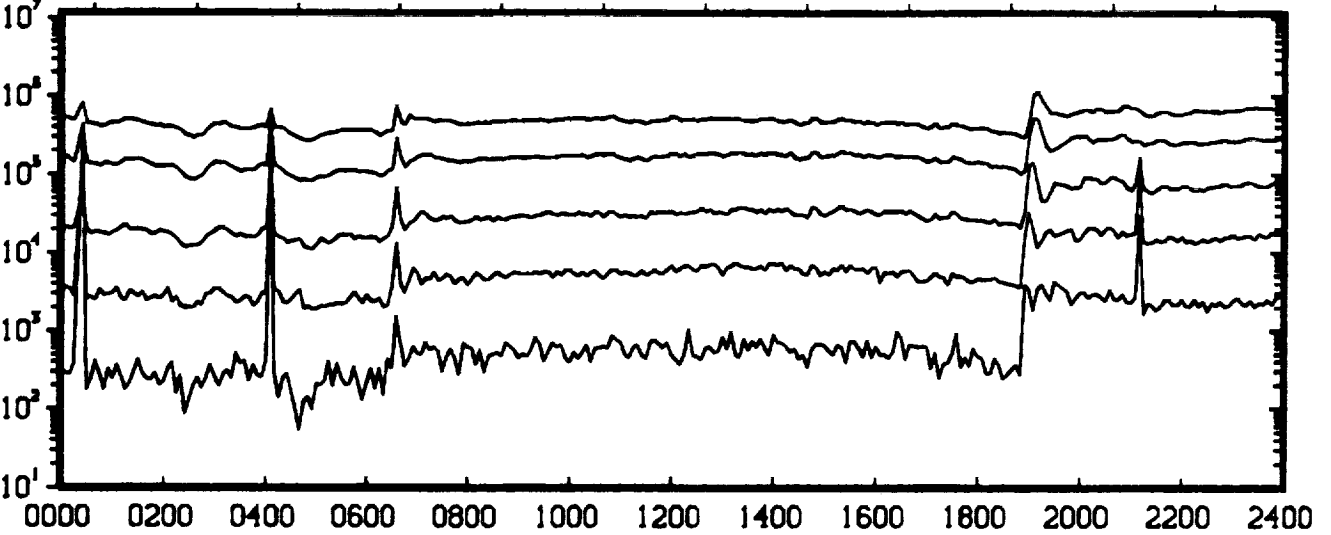


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

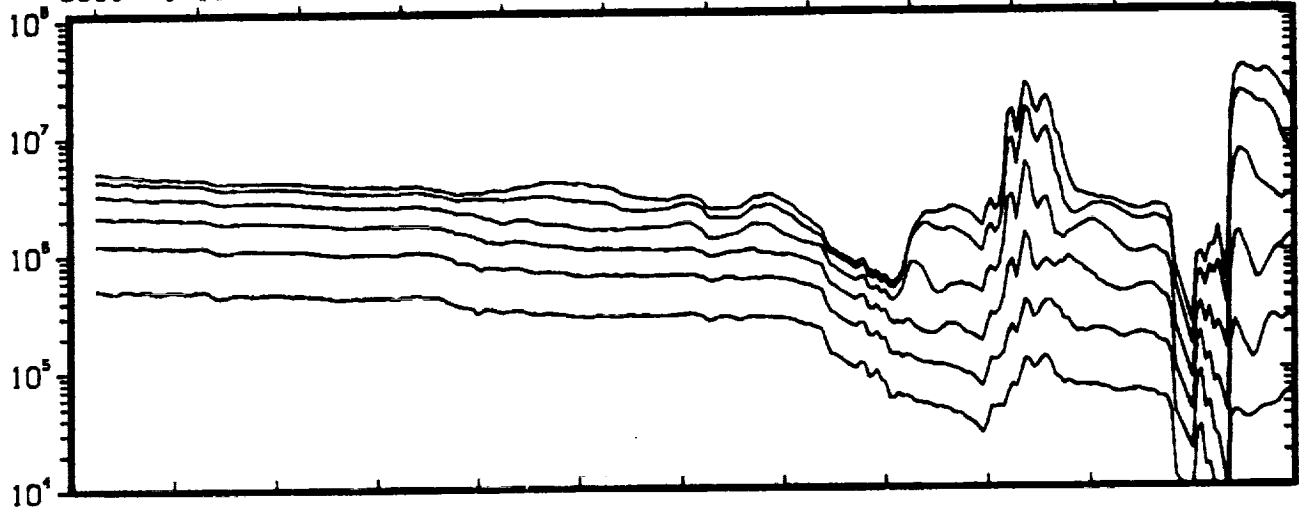


# LOW ENERGY ELECTRONS

1977-007

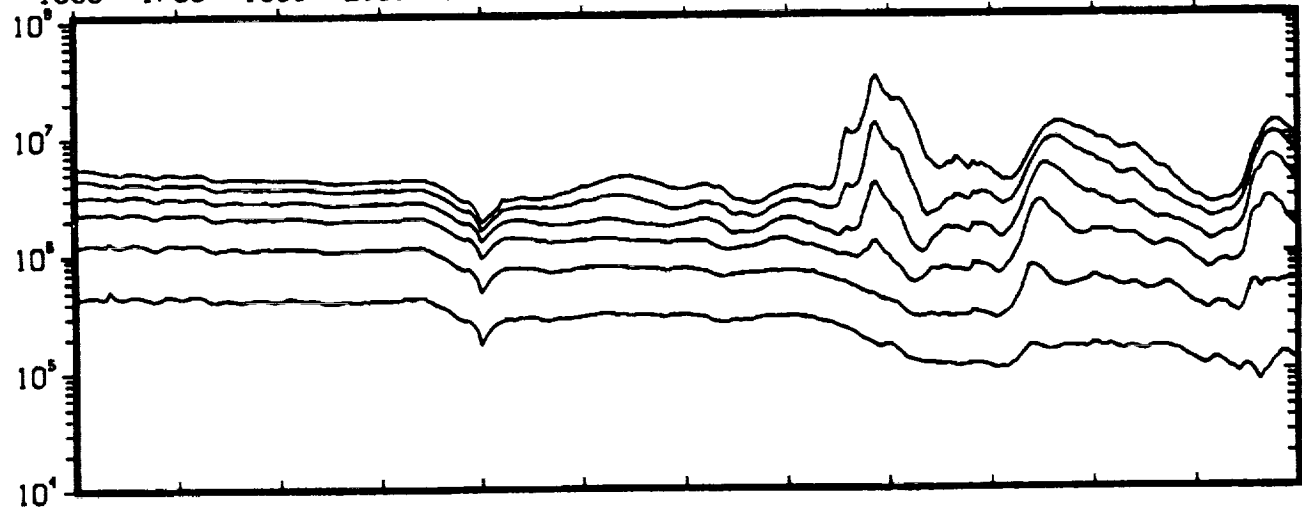
83/01/28

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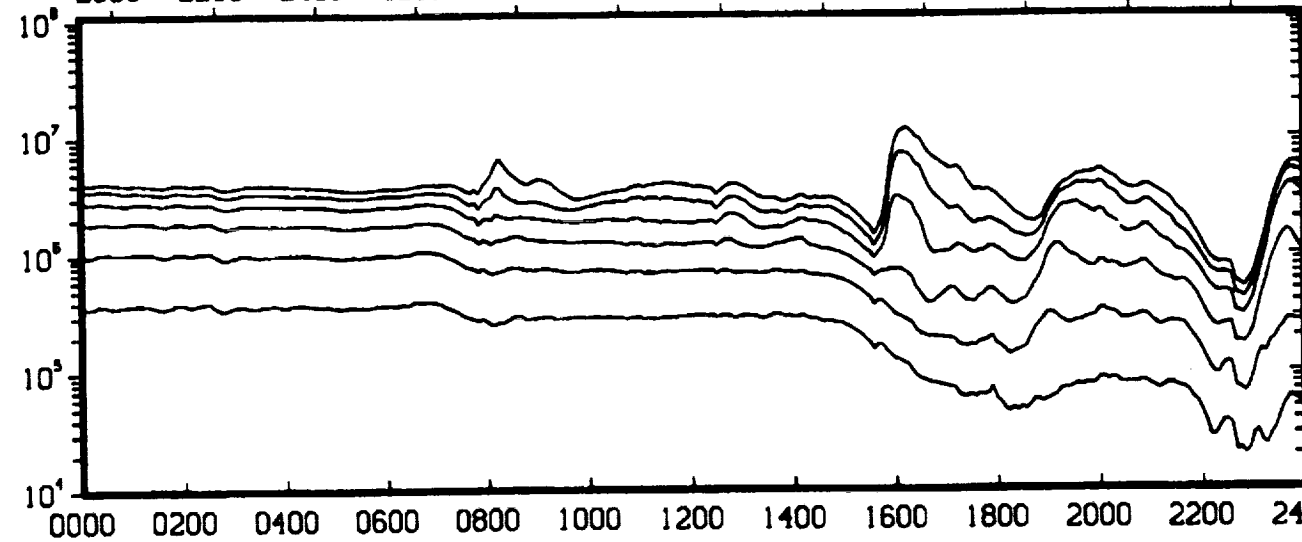
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

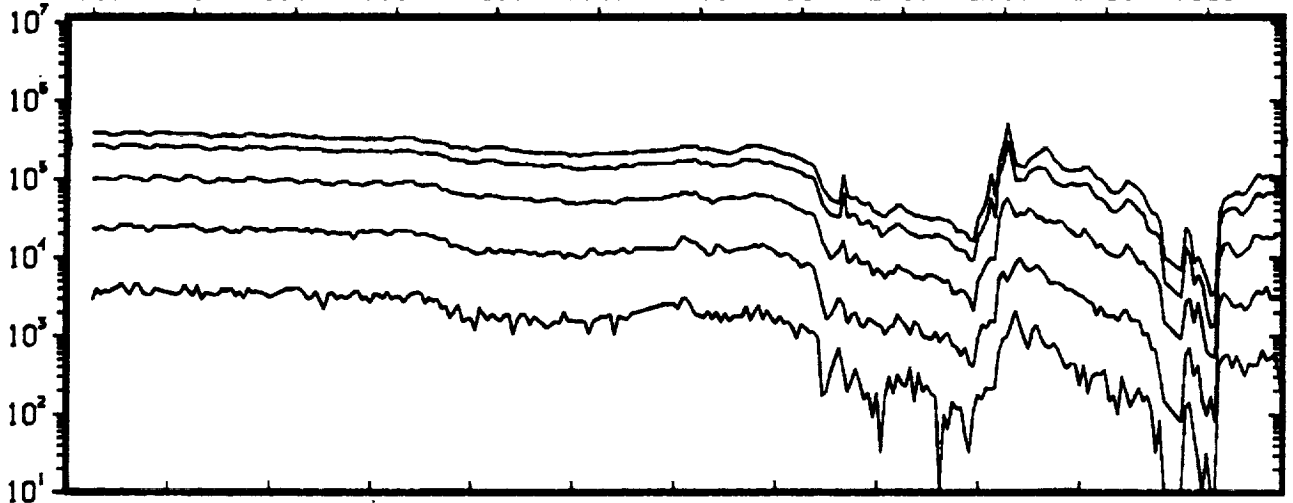


# LOW ENERGY IONS

1977-007

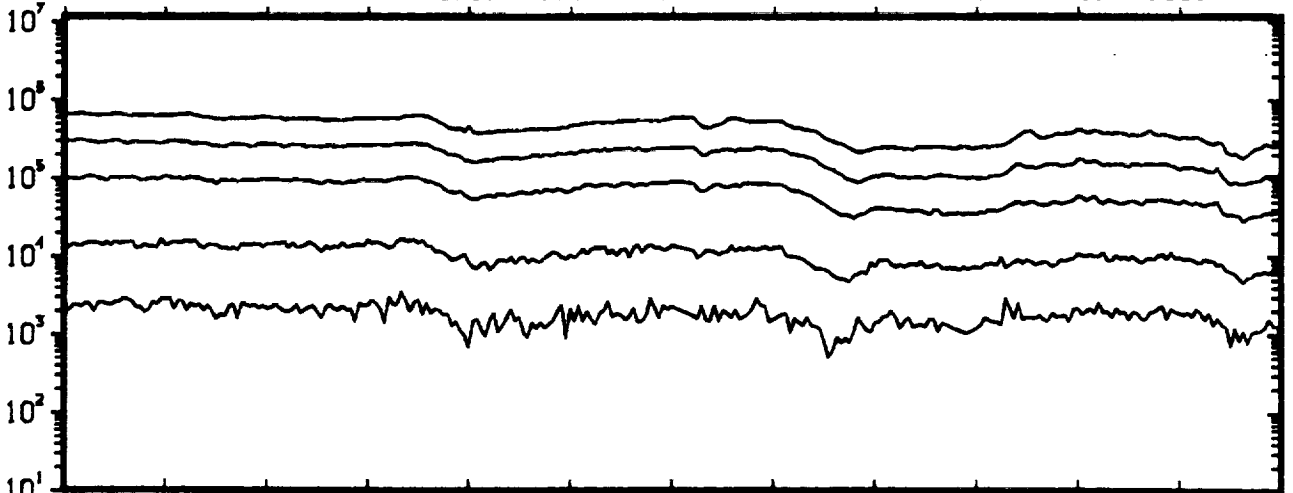
83/01/28

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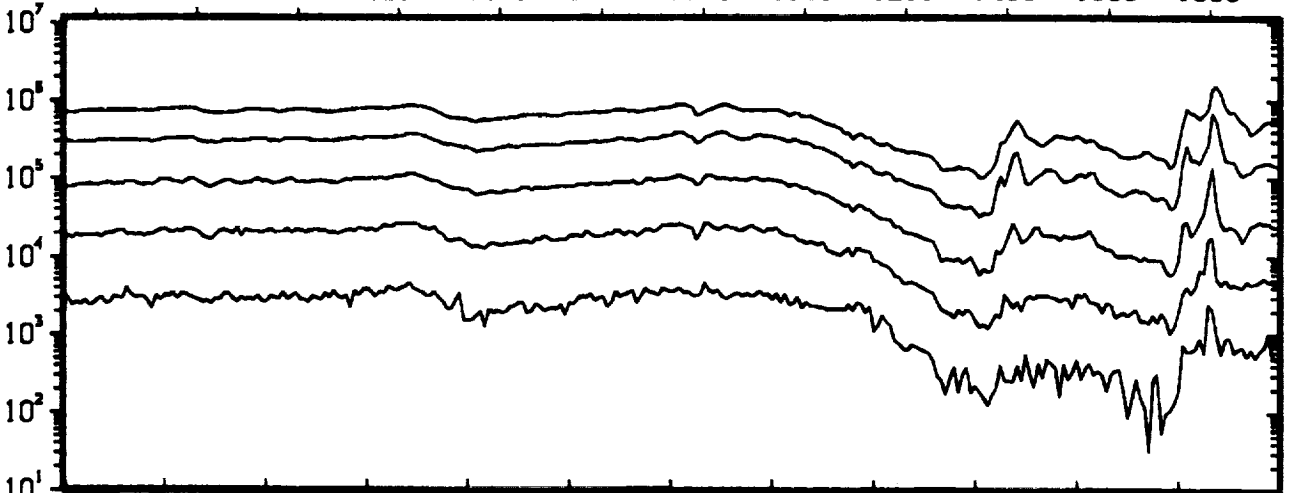
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



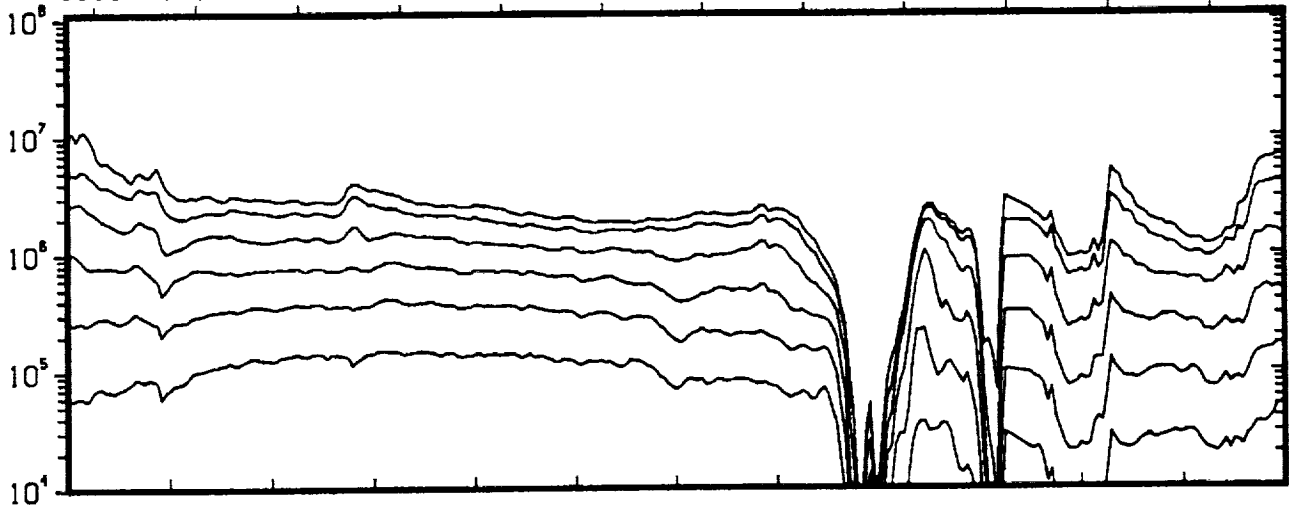
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

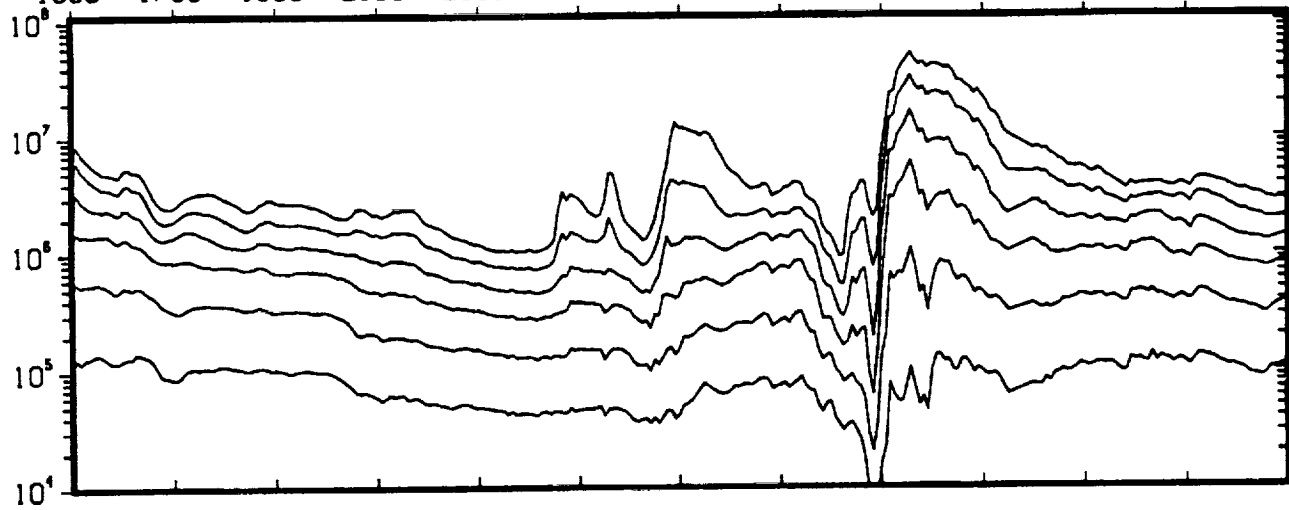
83/01/29

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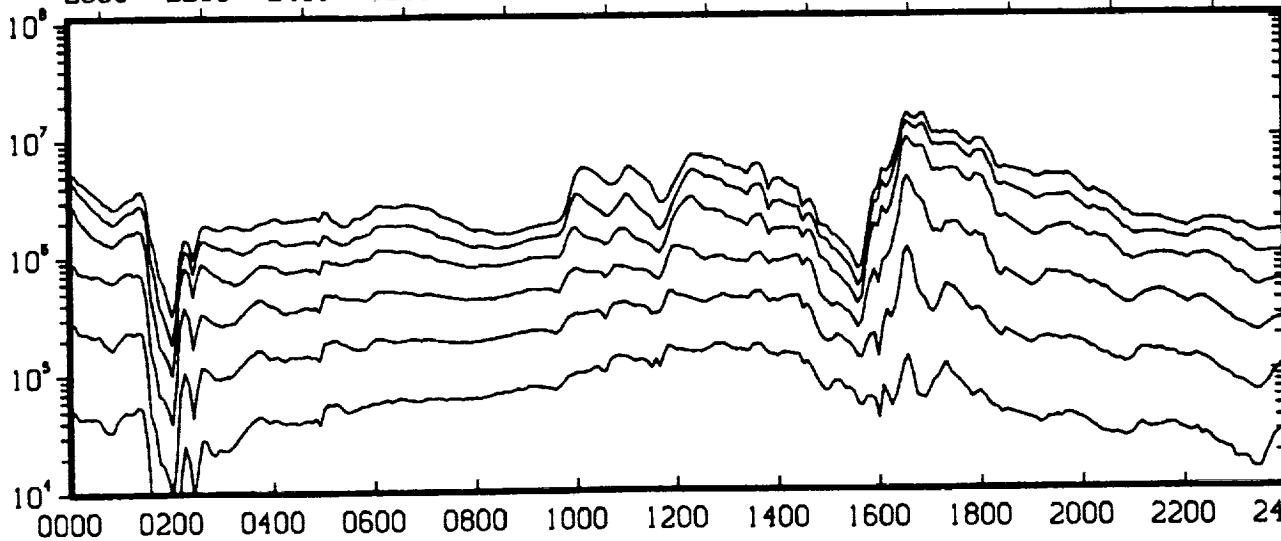
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



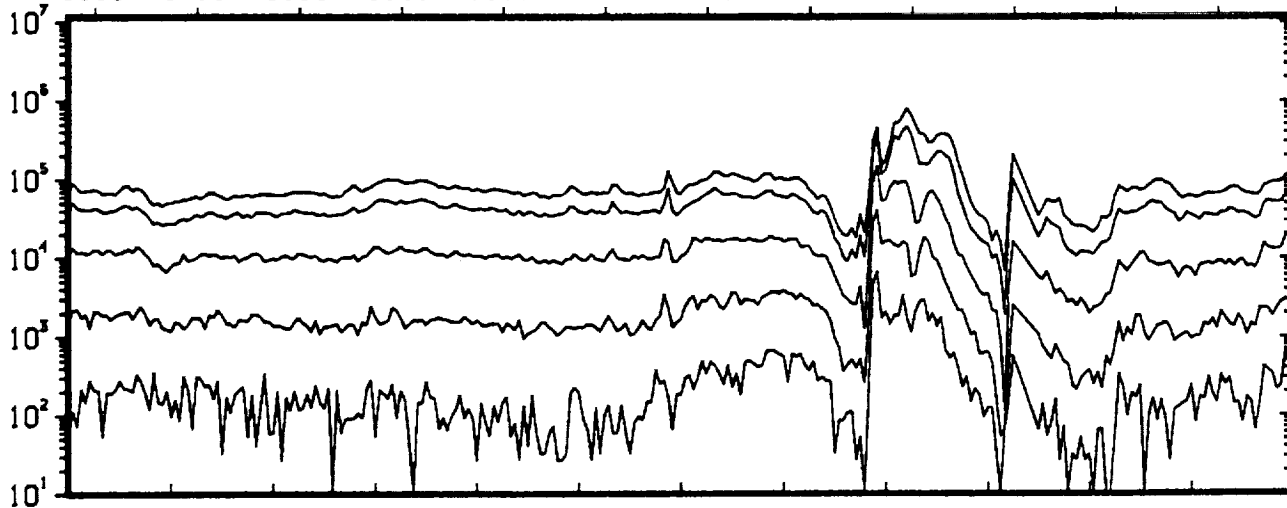
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

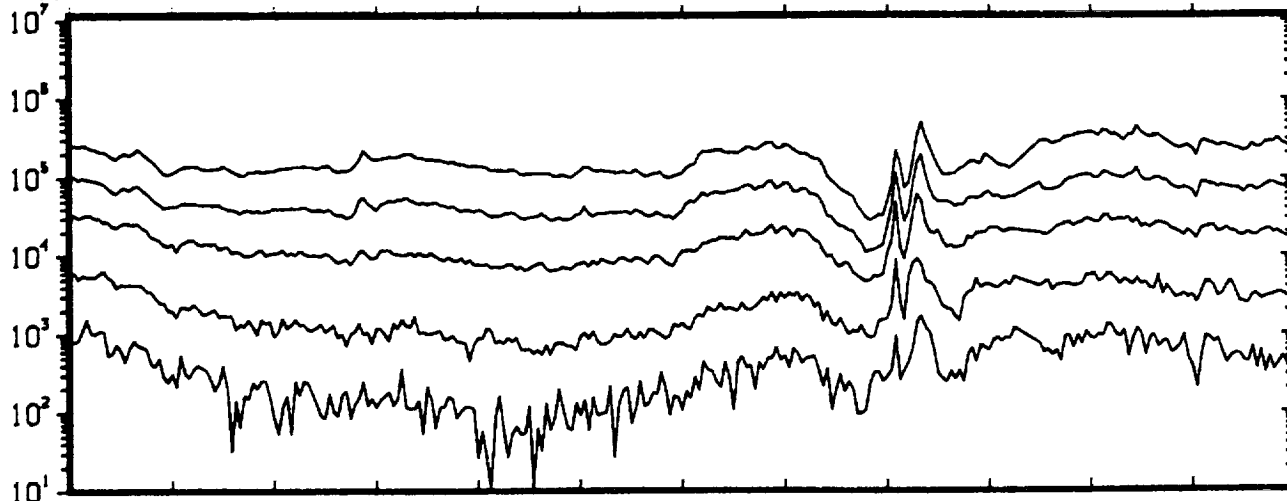
83/01/29

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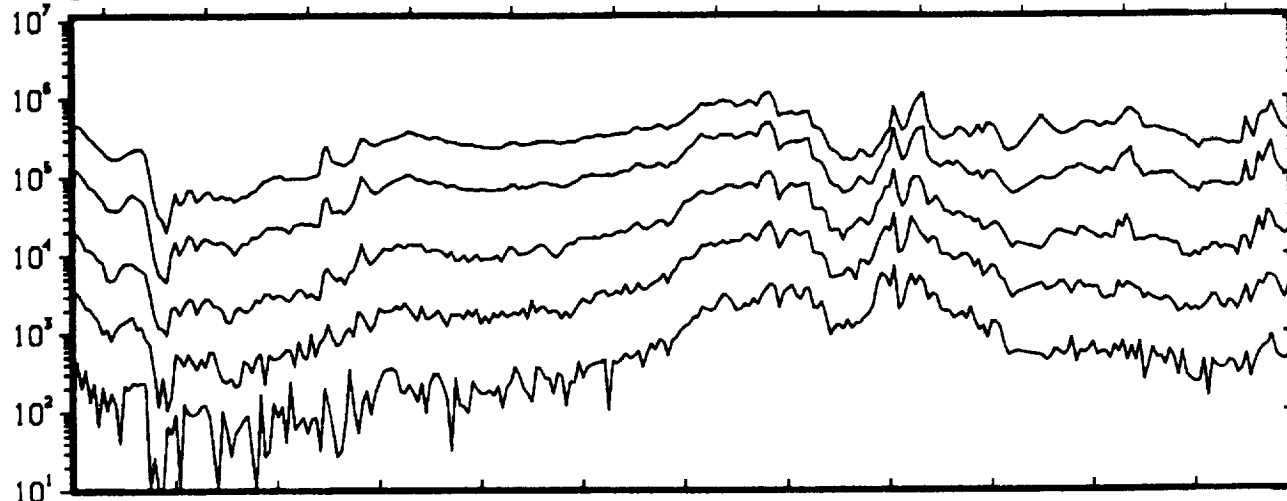
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1982-019

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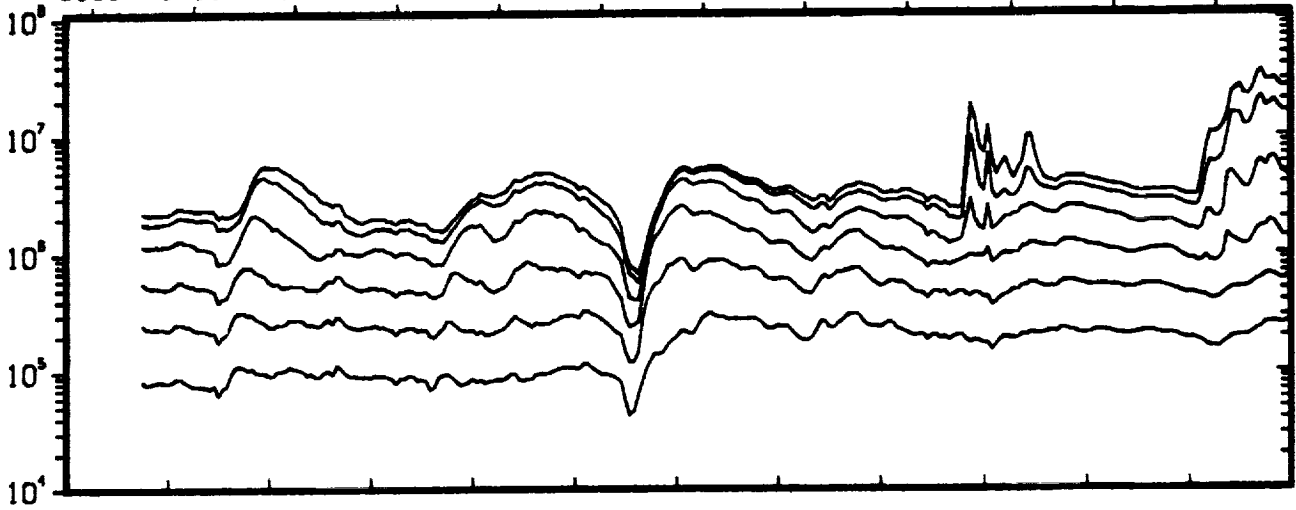
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

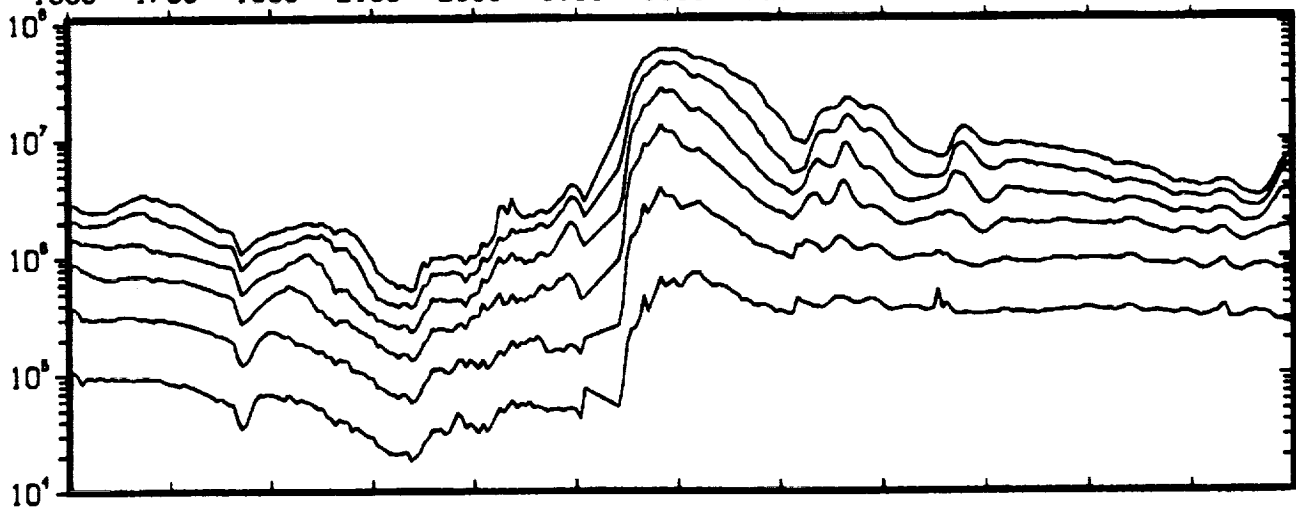
83/01/30

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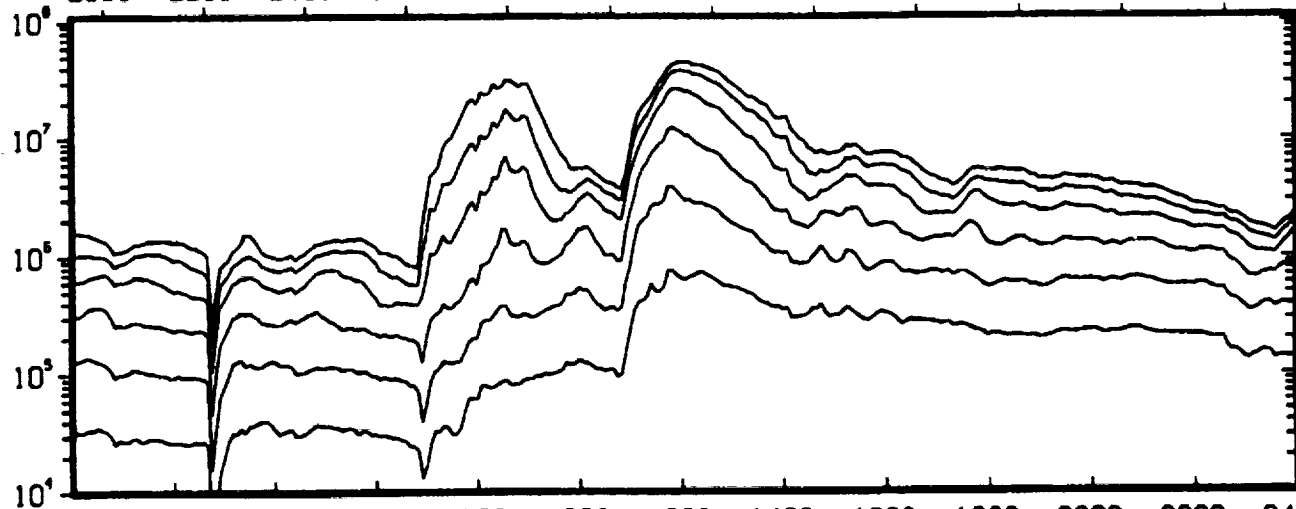
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



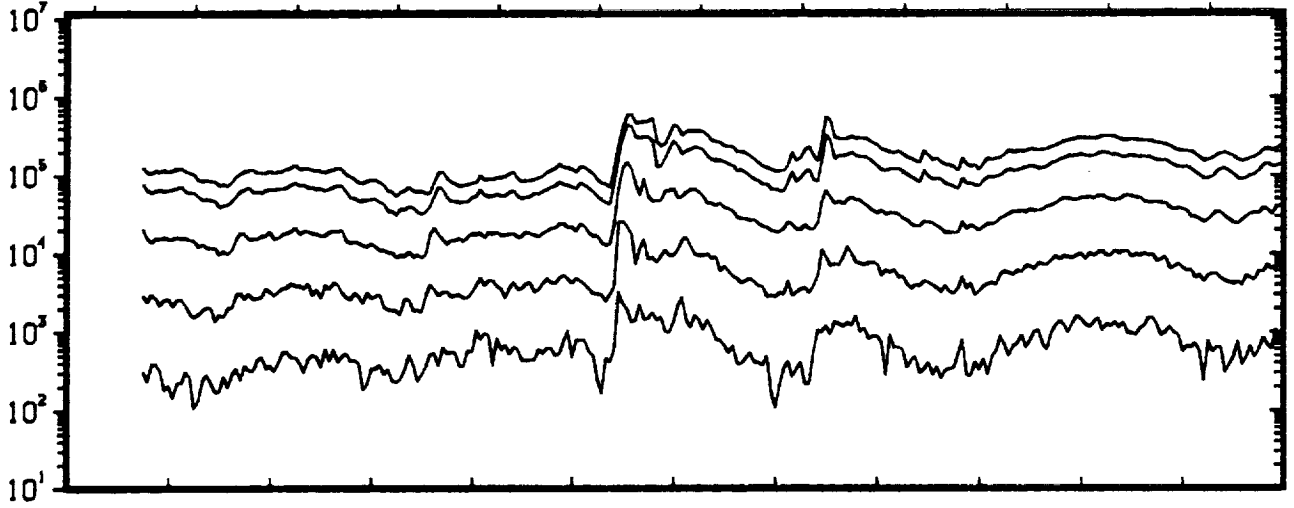
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

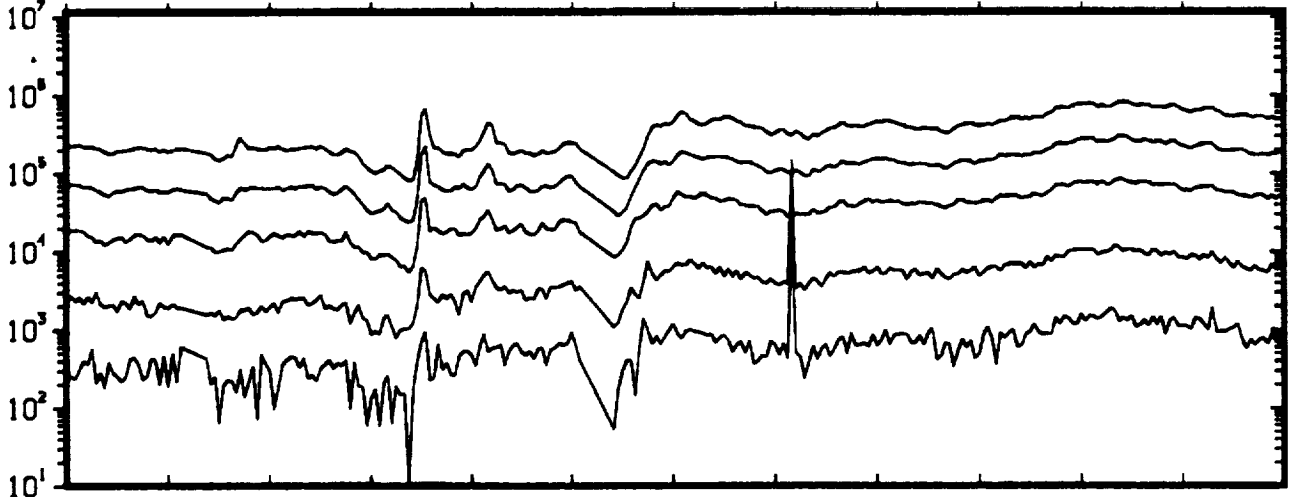
83/01/30

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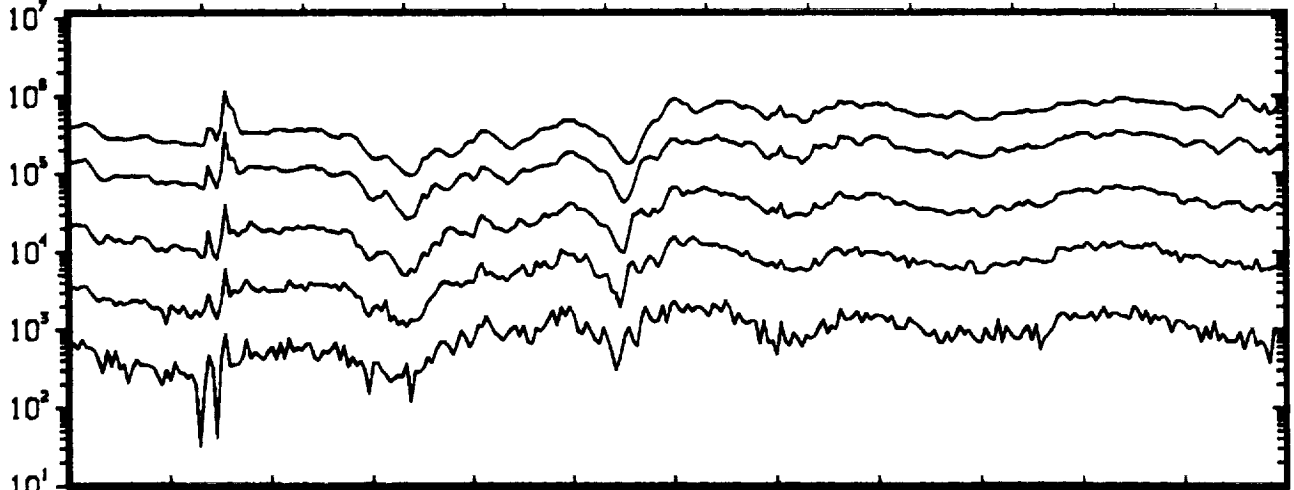
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

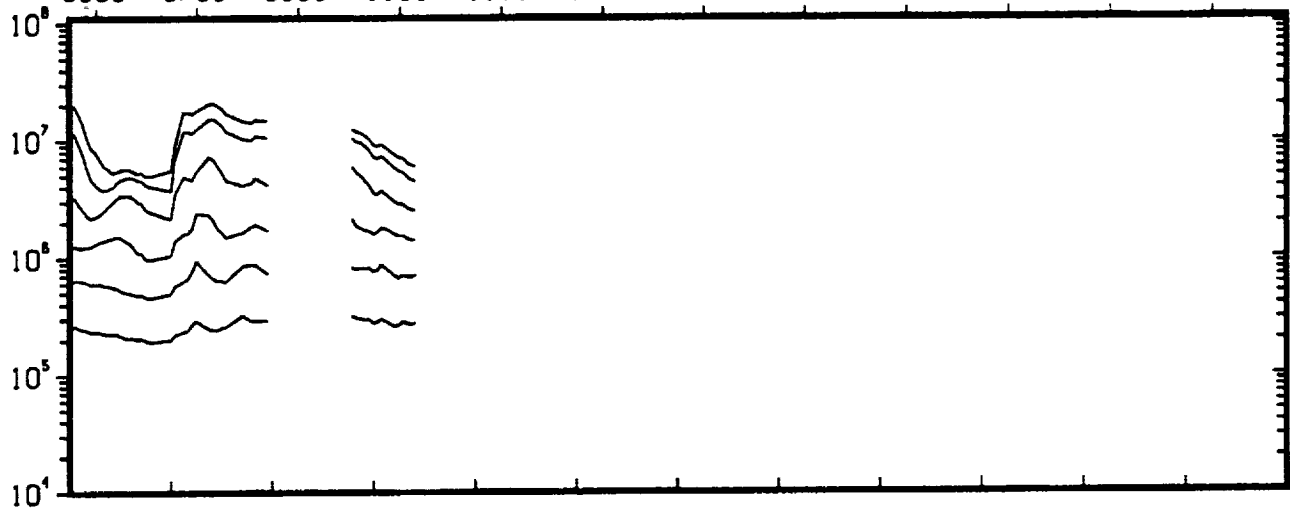
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# LOW ENERGY ELECTRONS

1977-007

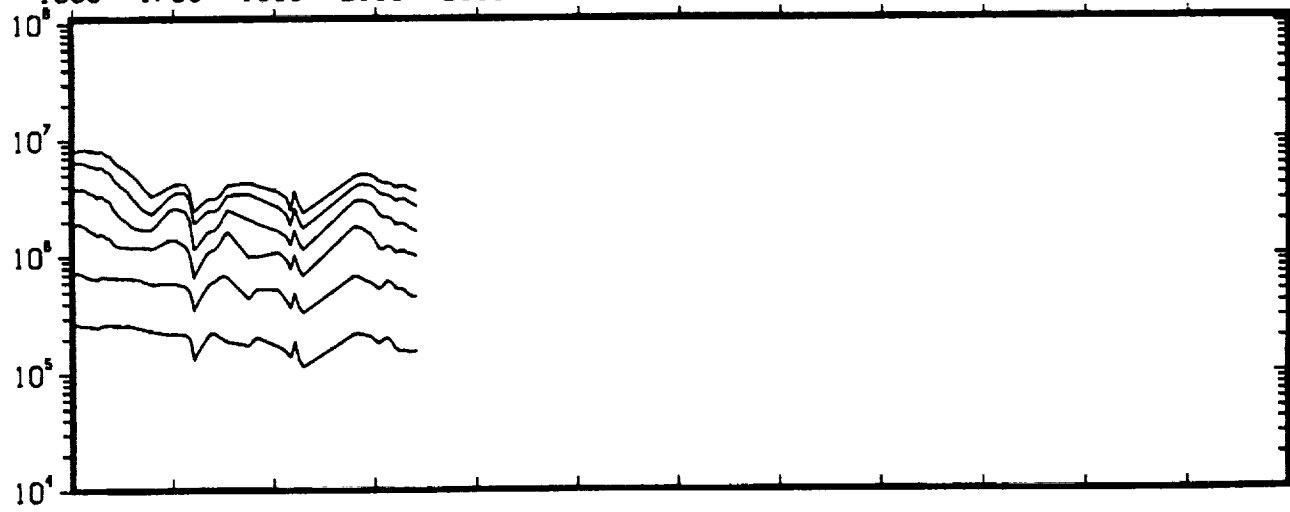
83/01/31

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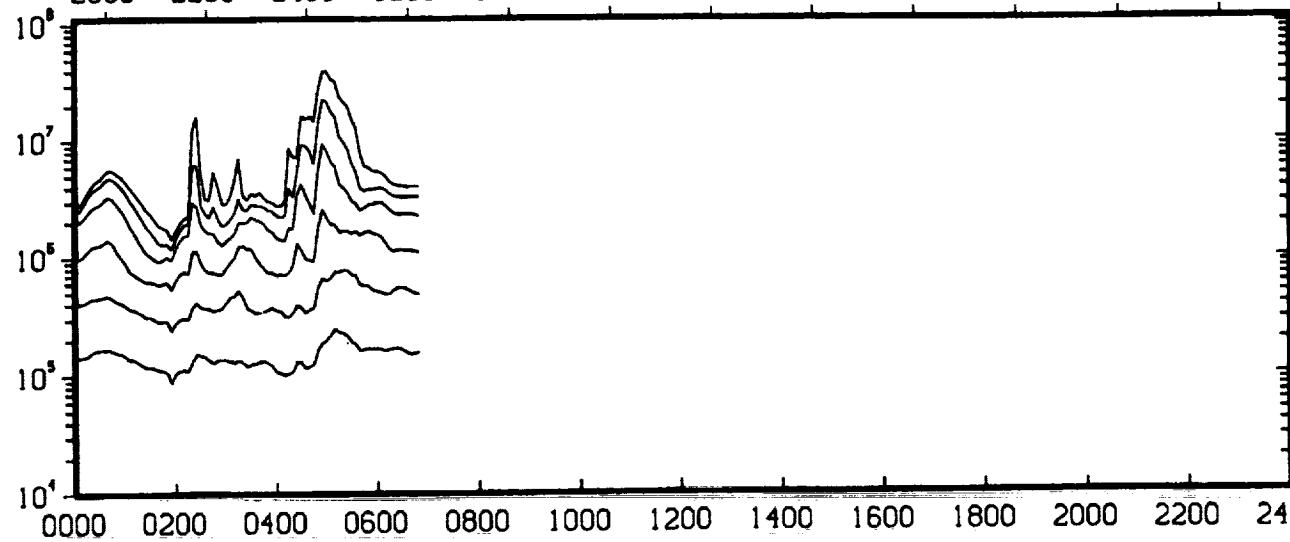
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



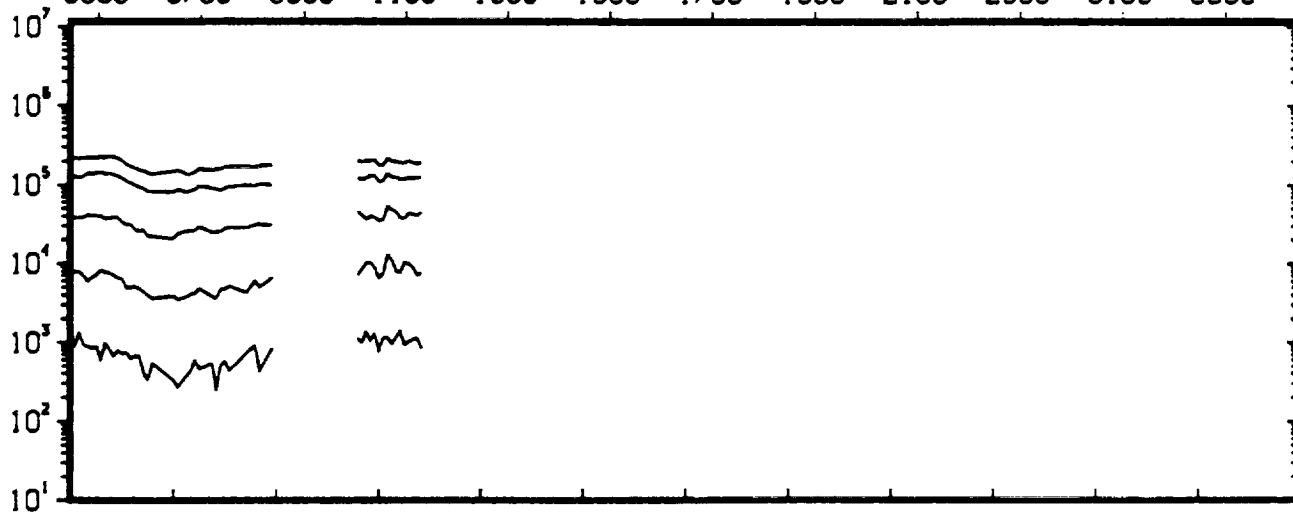
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/01/31

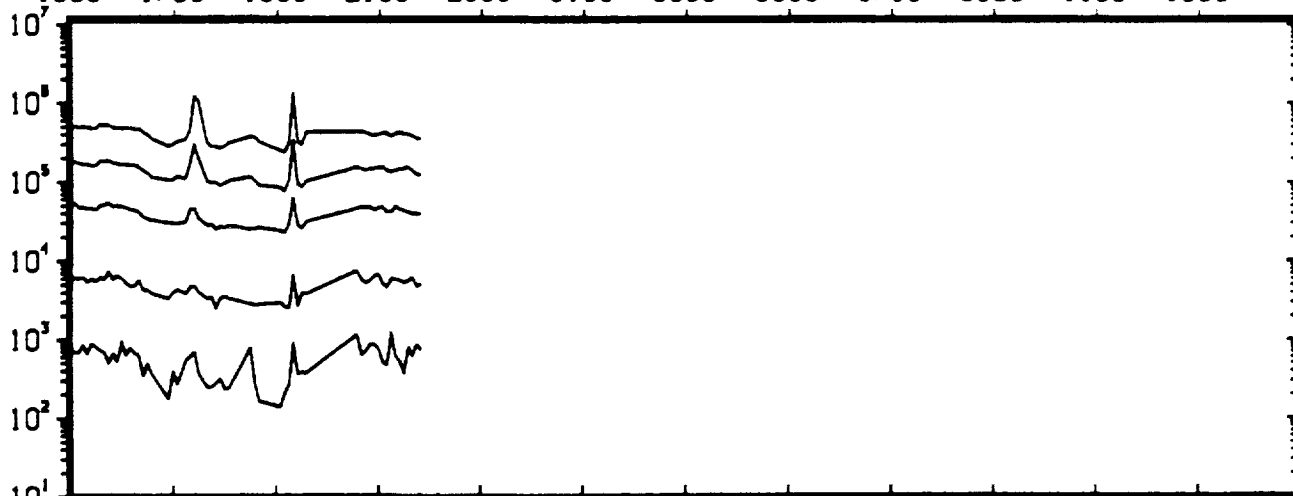
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

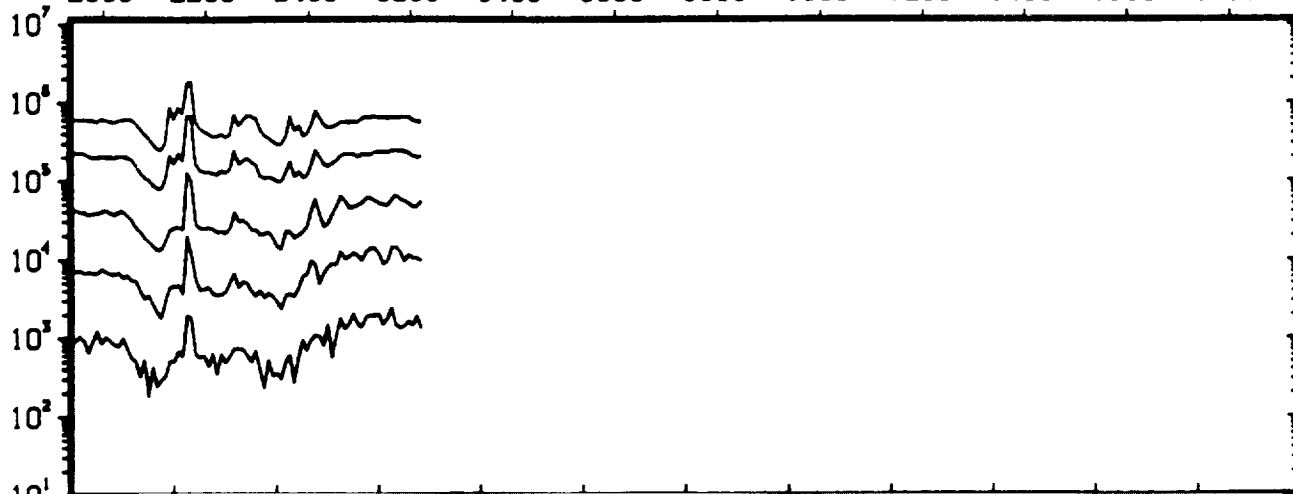
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



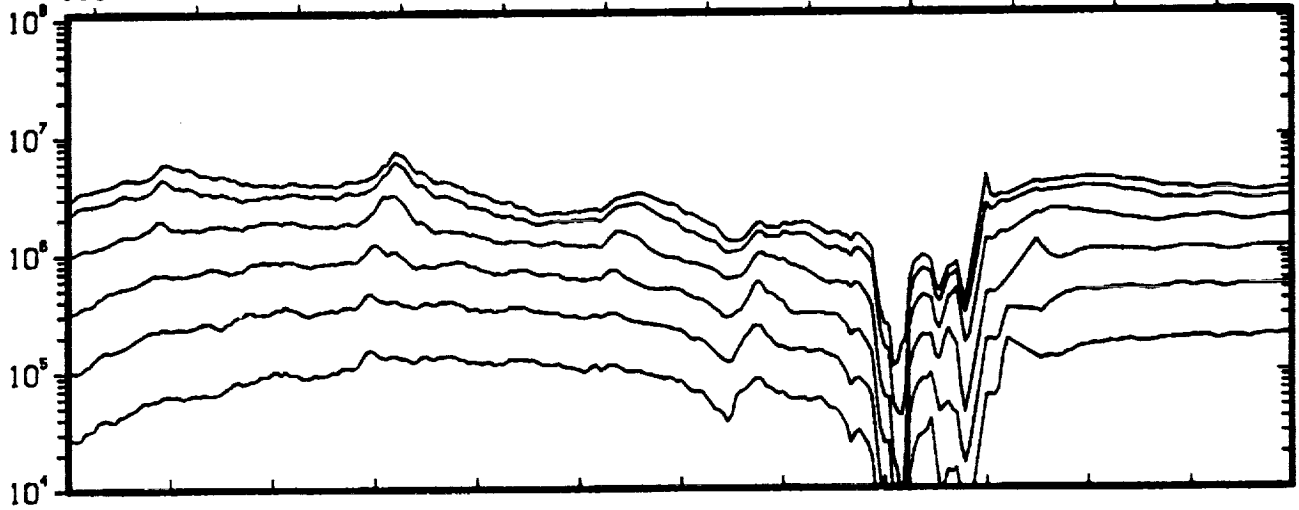
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# LOW ENERGY ELECTRONS

1977-007

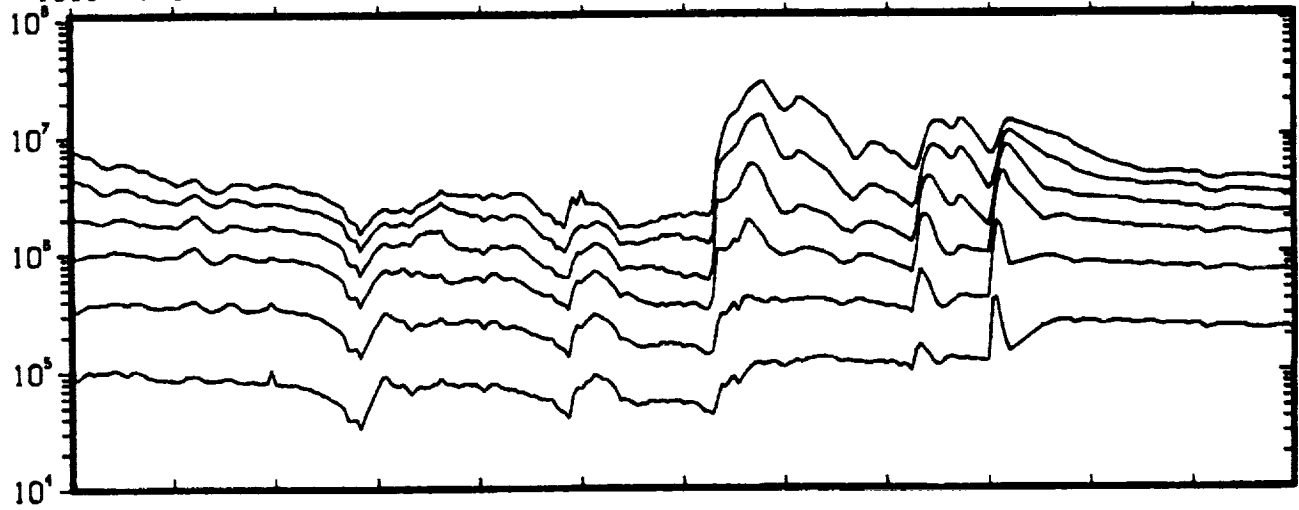
83/02/01

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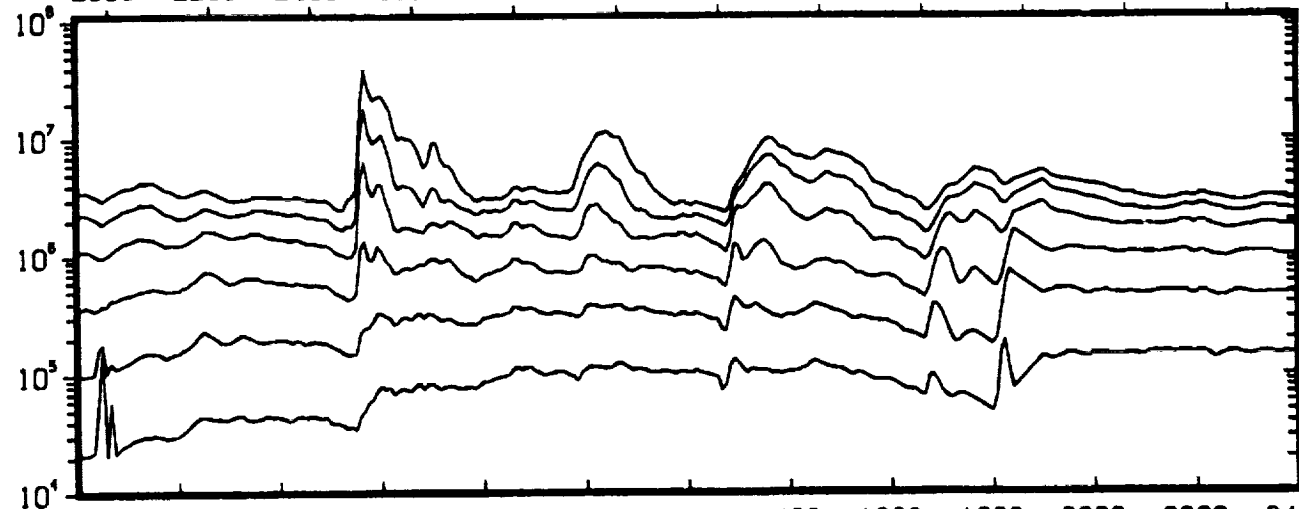
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

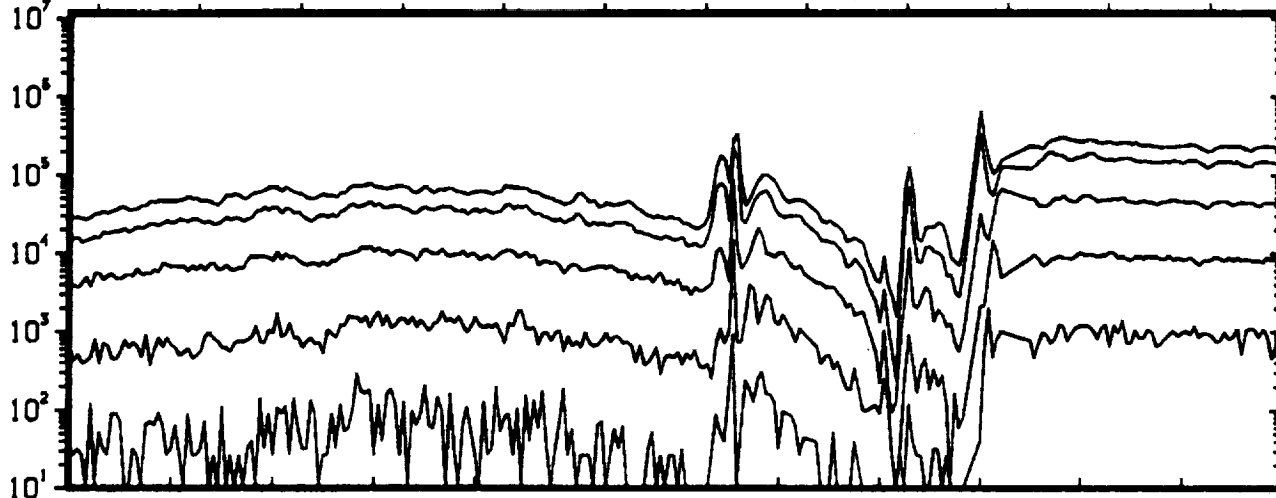


# LOW ENERGY IONS

1977-007

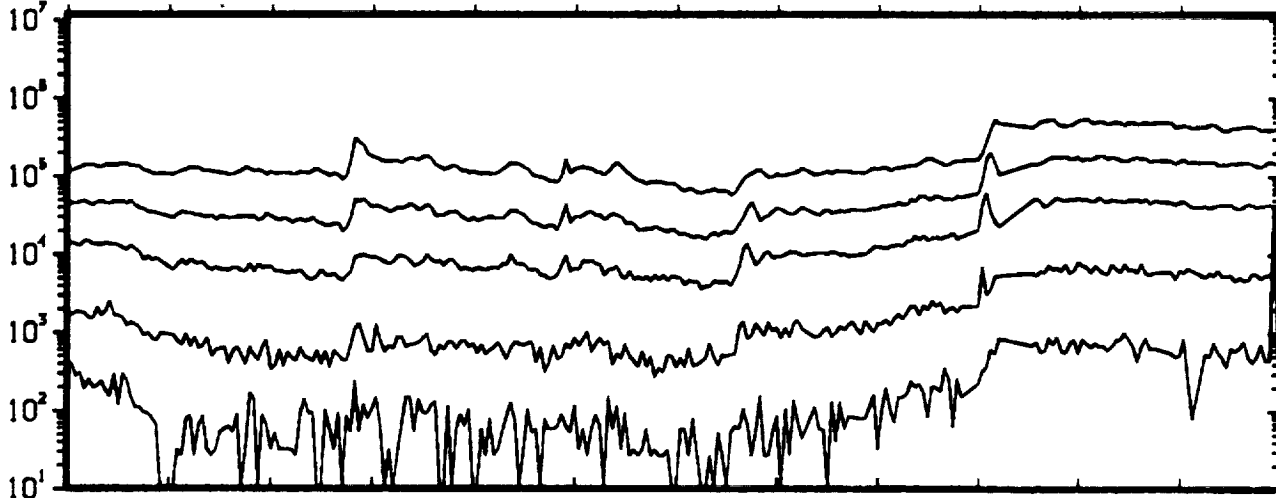
83/02/01

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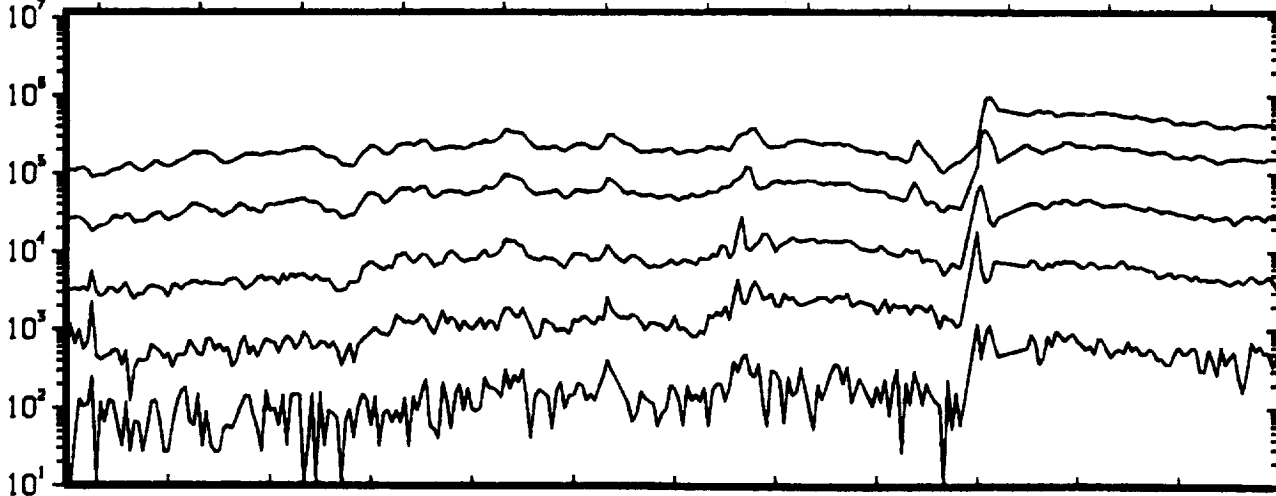
1981-025

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1982-019

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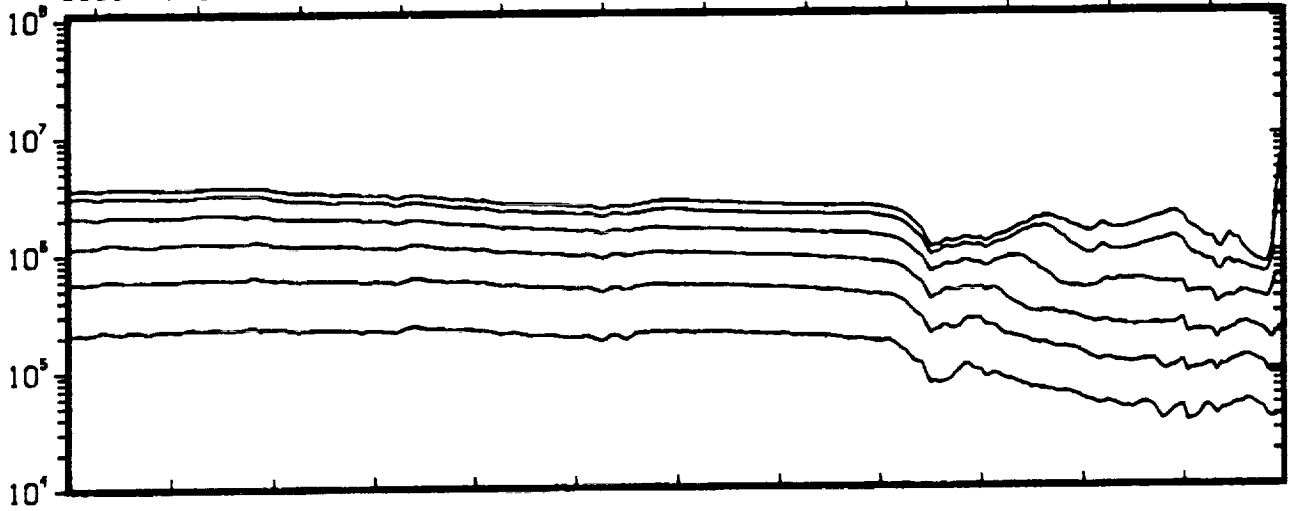
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

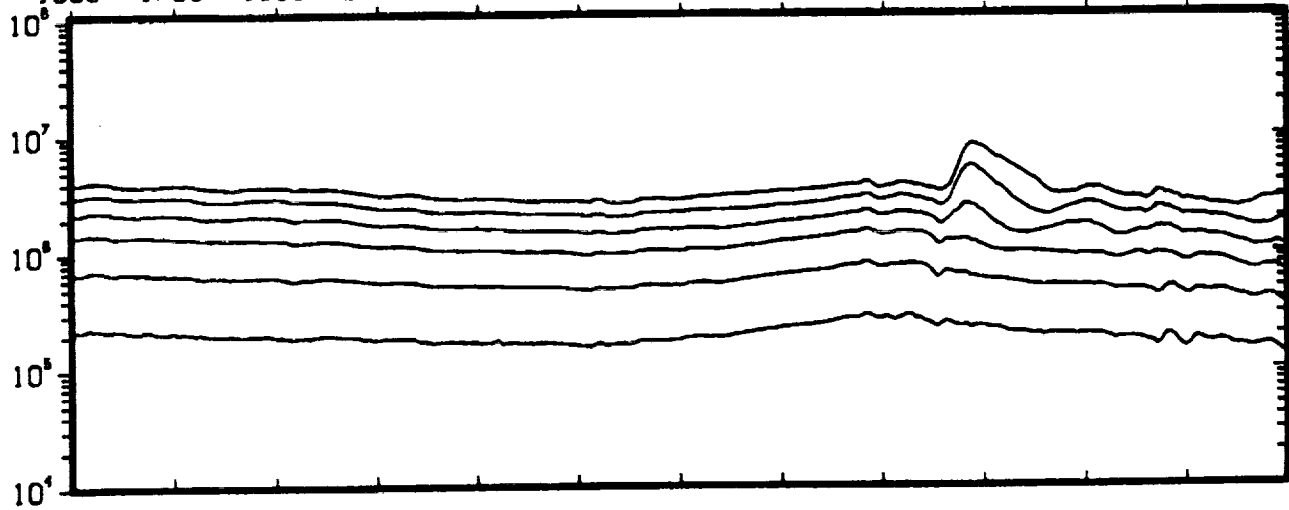
83/02/02

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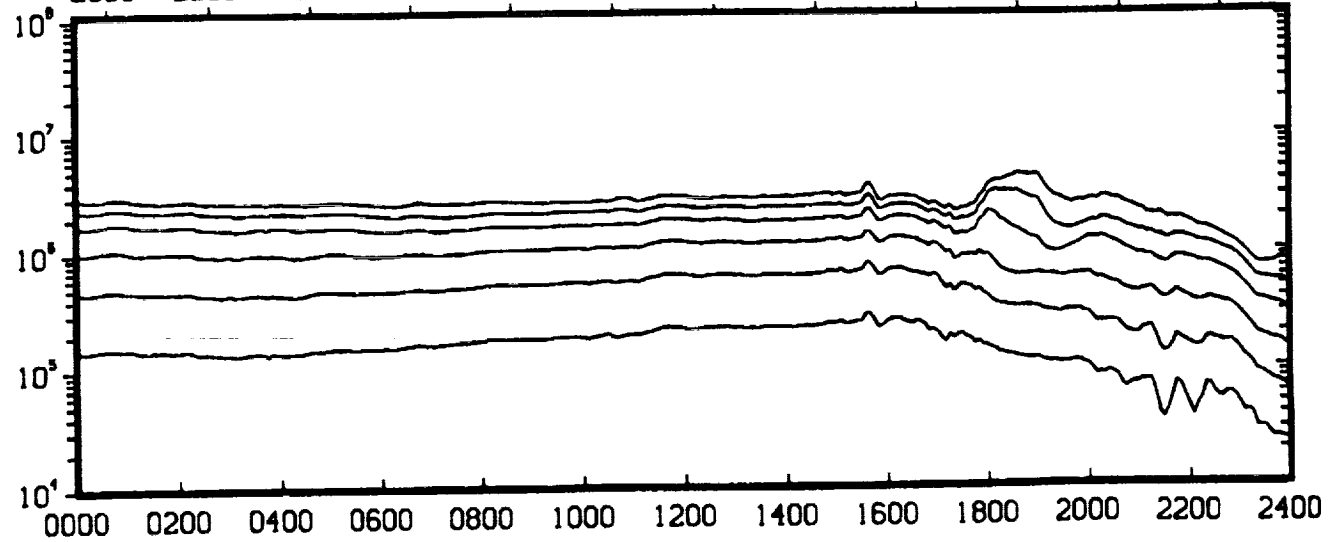
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



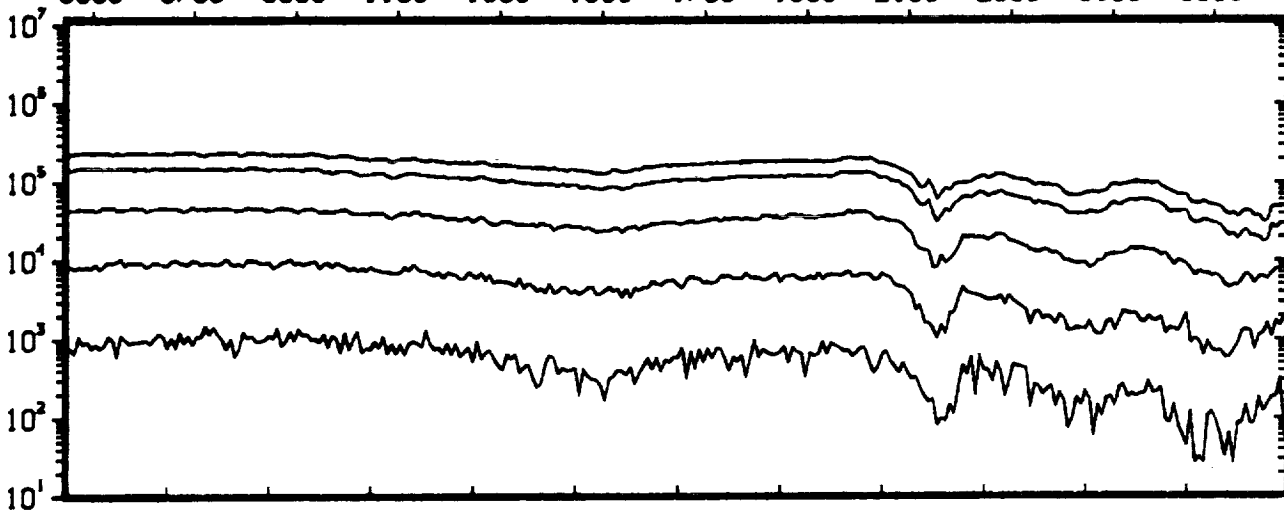
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

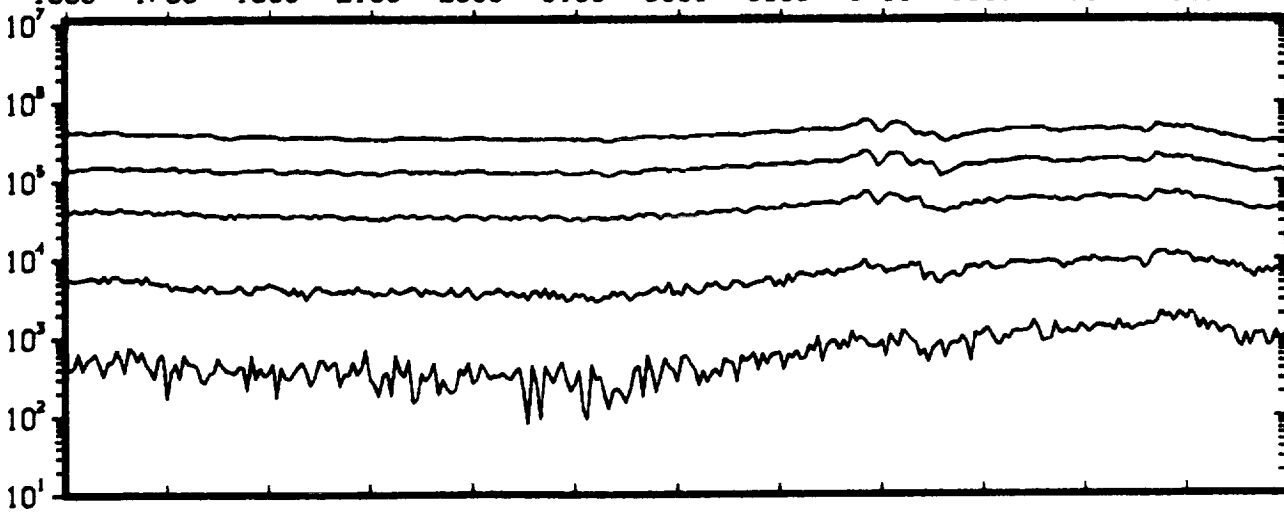
83/02/02

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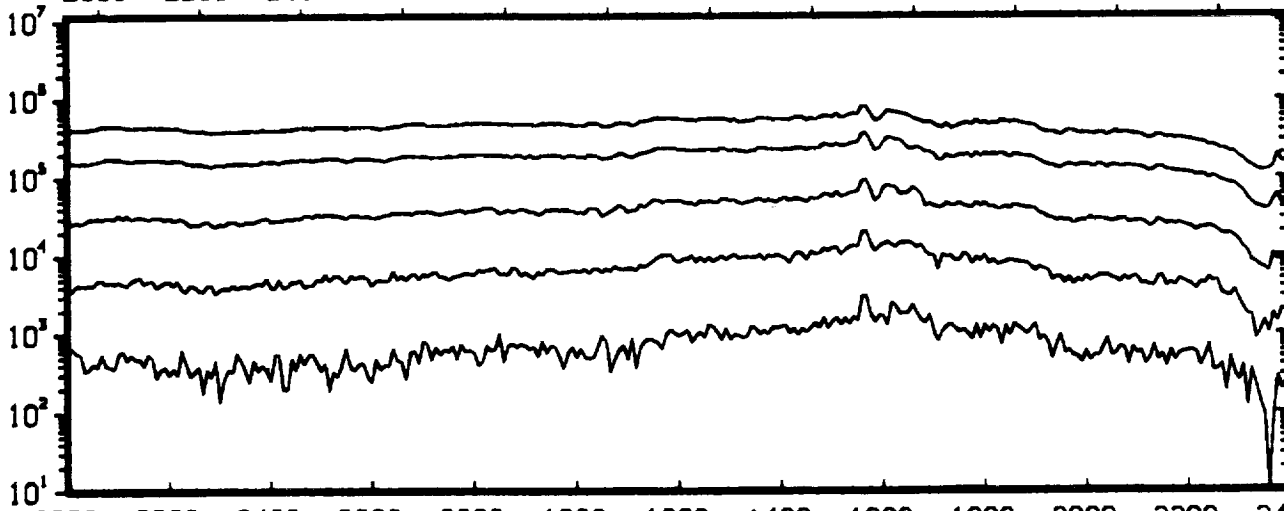
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



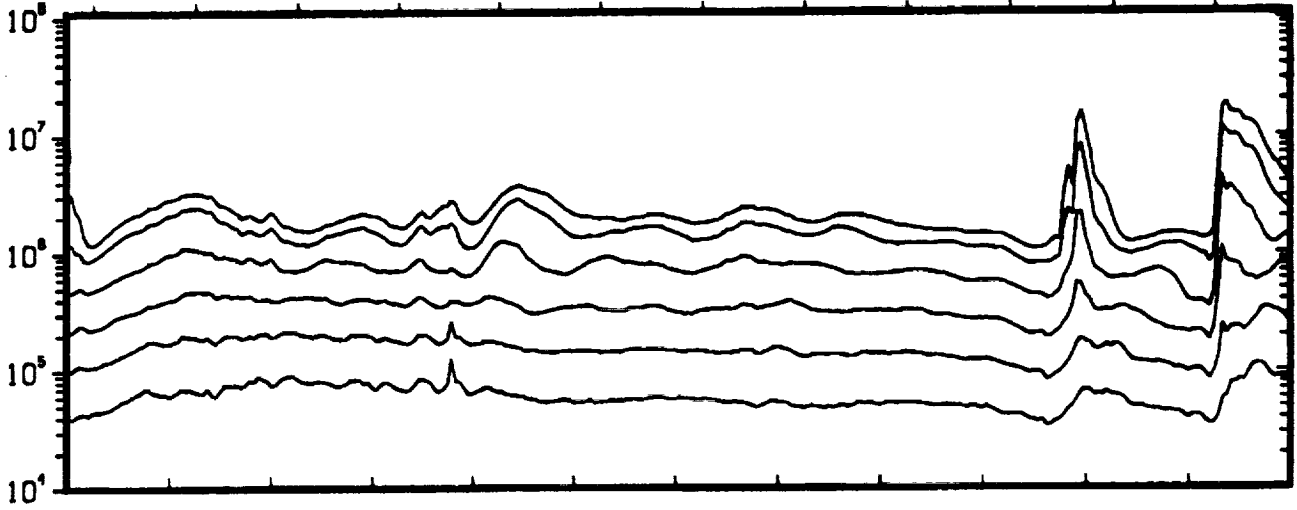
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

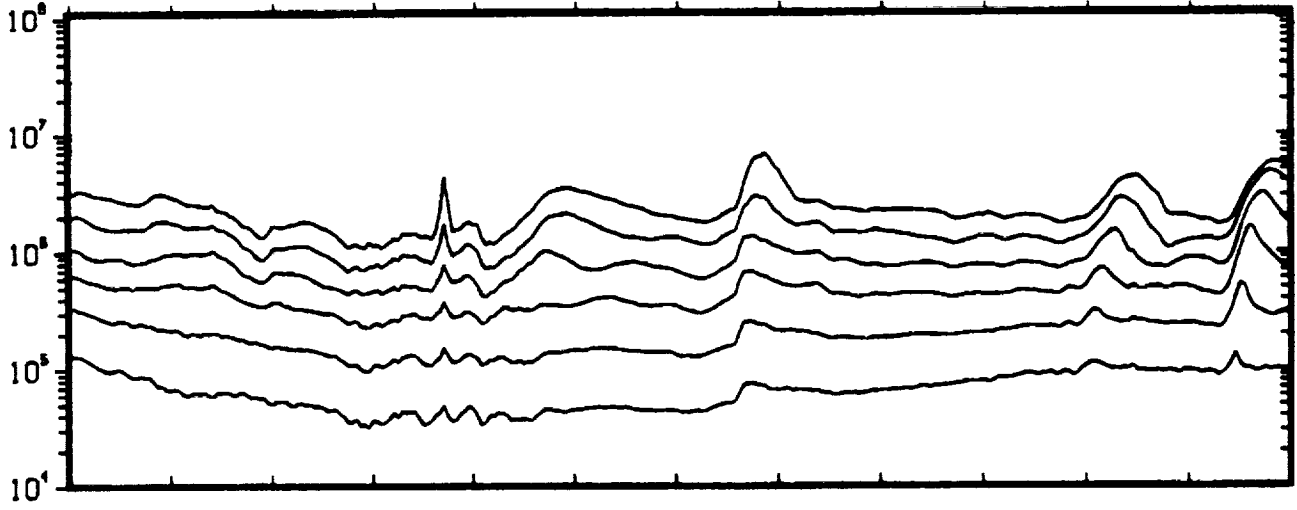
83/02/03

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



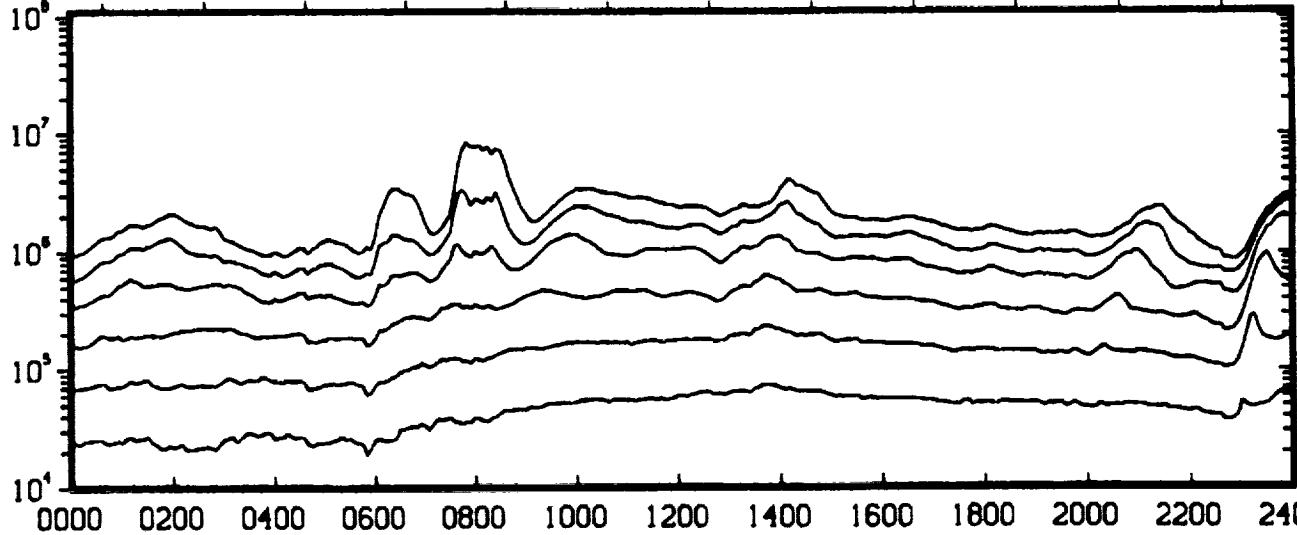
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



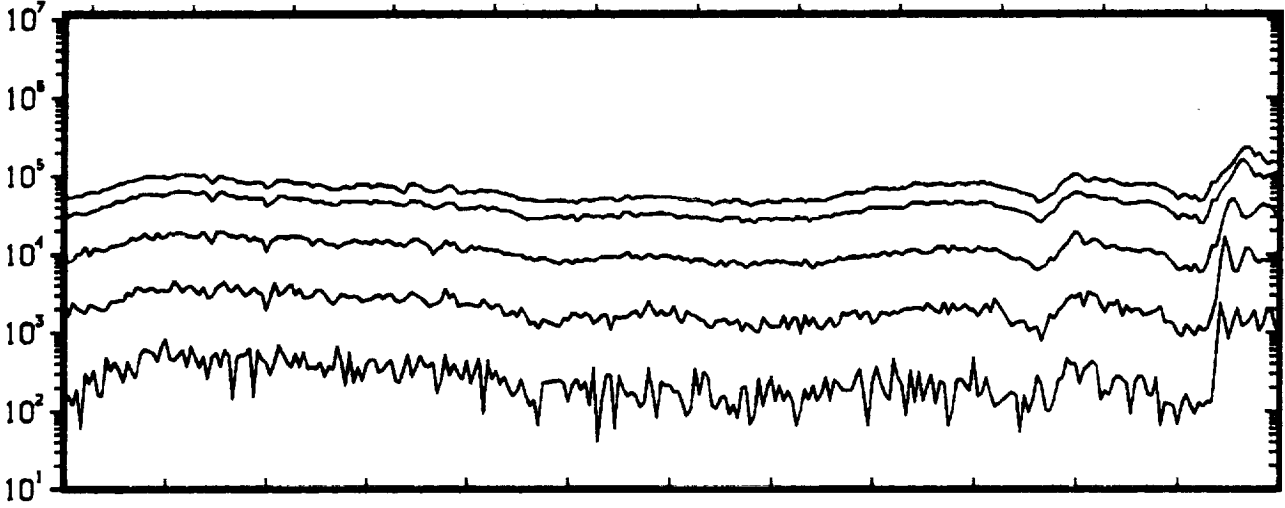
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

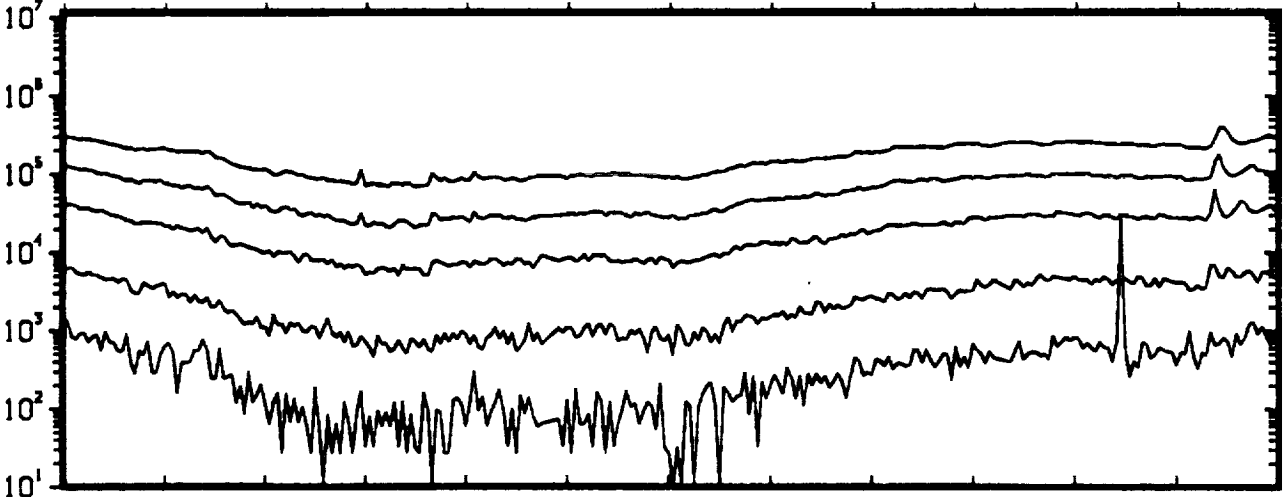
83/02/03

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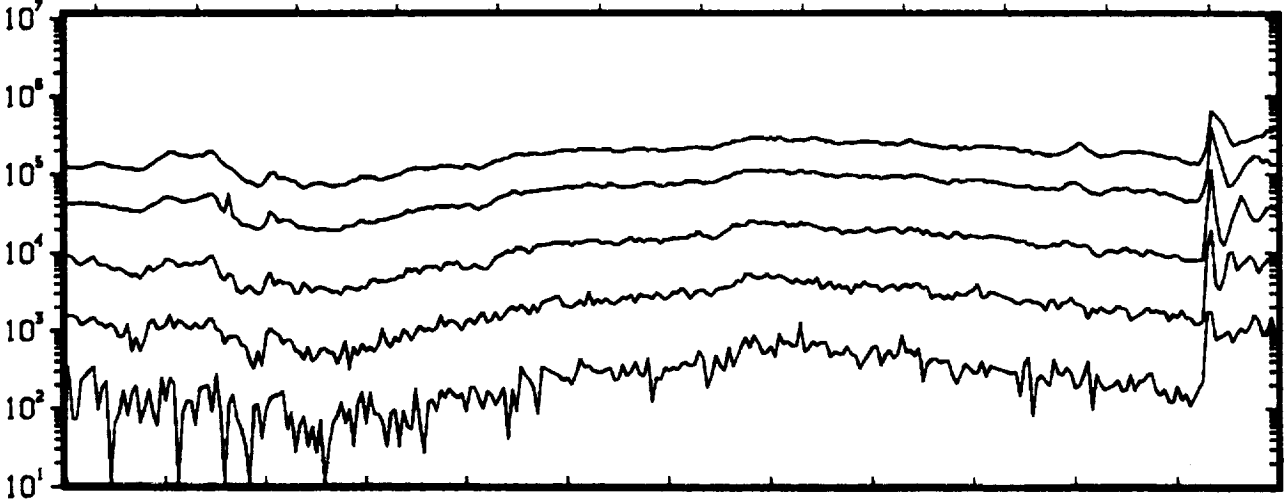
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



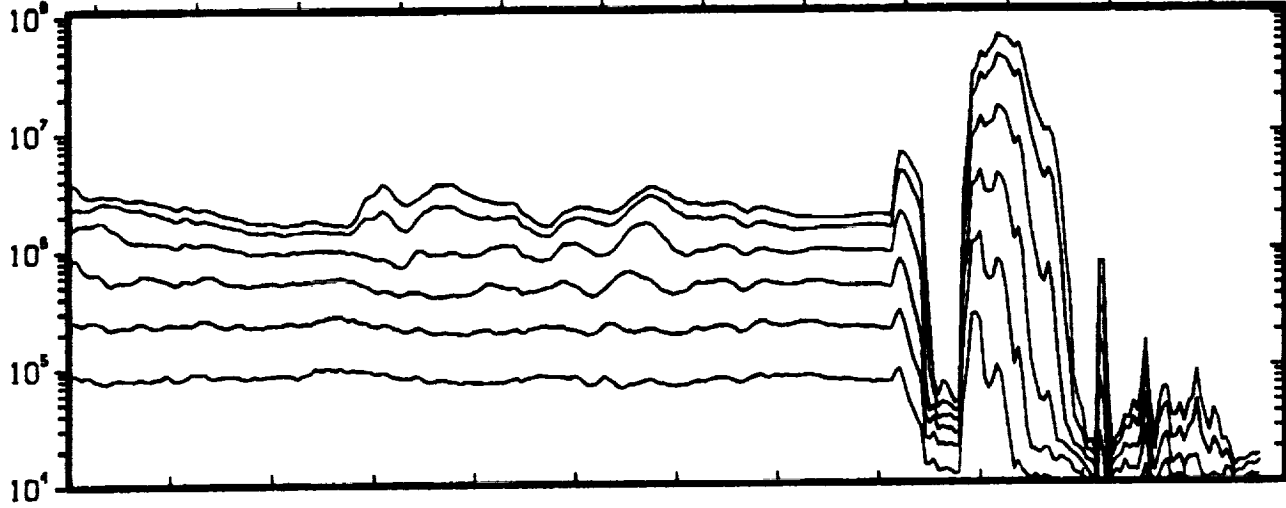
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

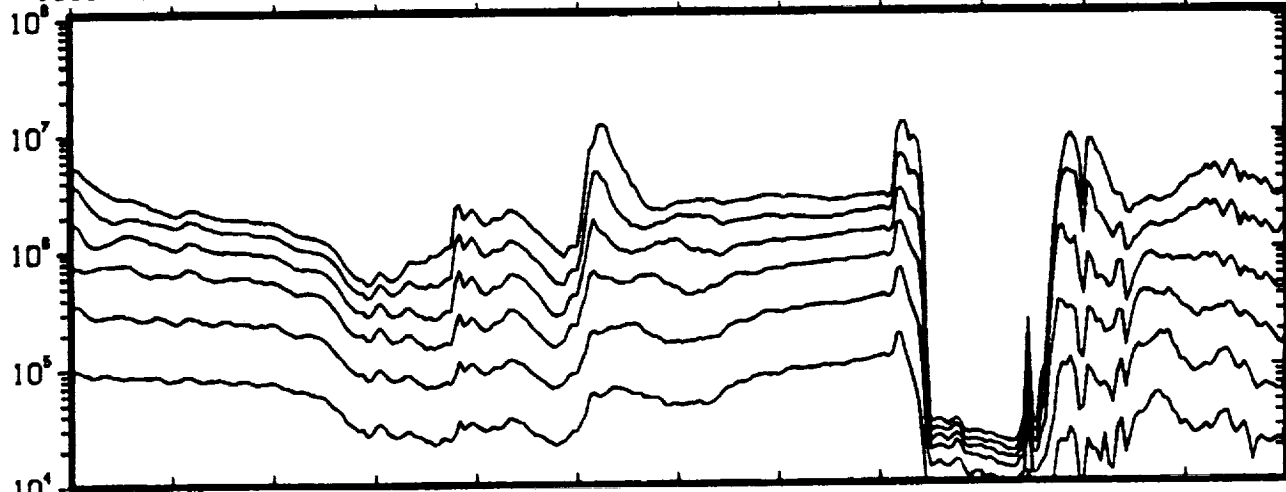
83/02/04

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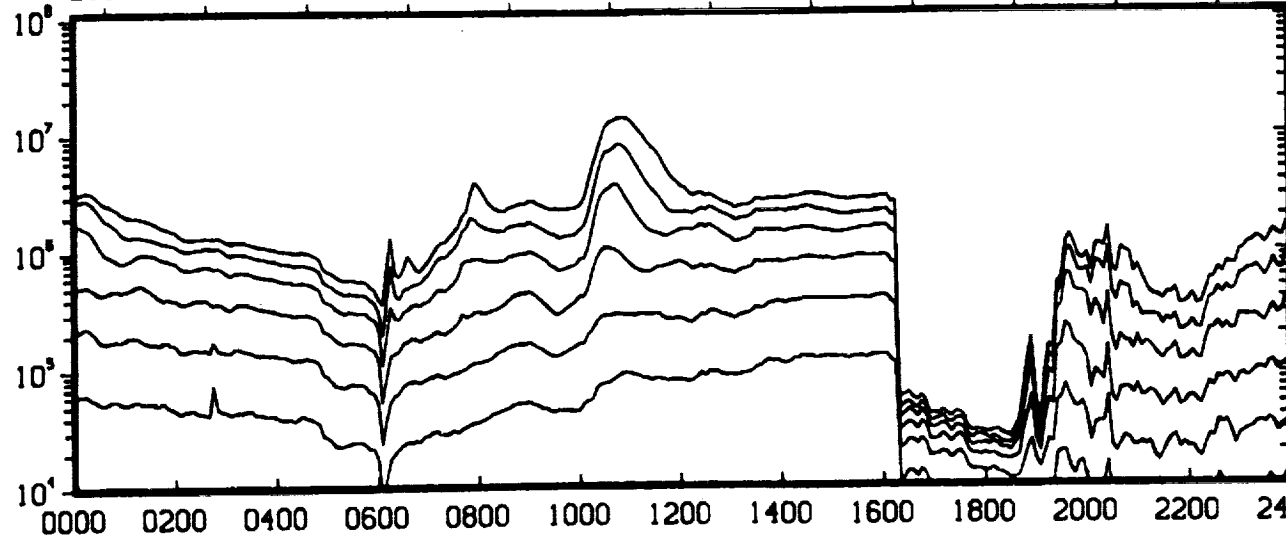
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



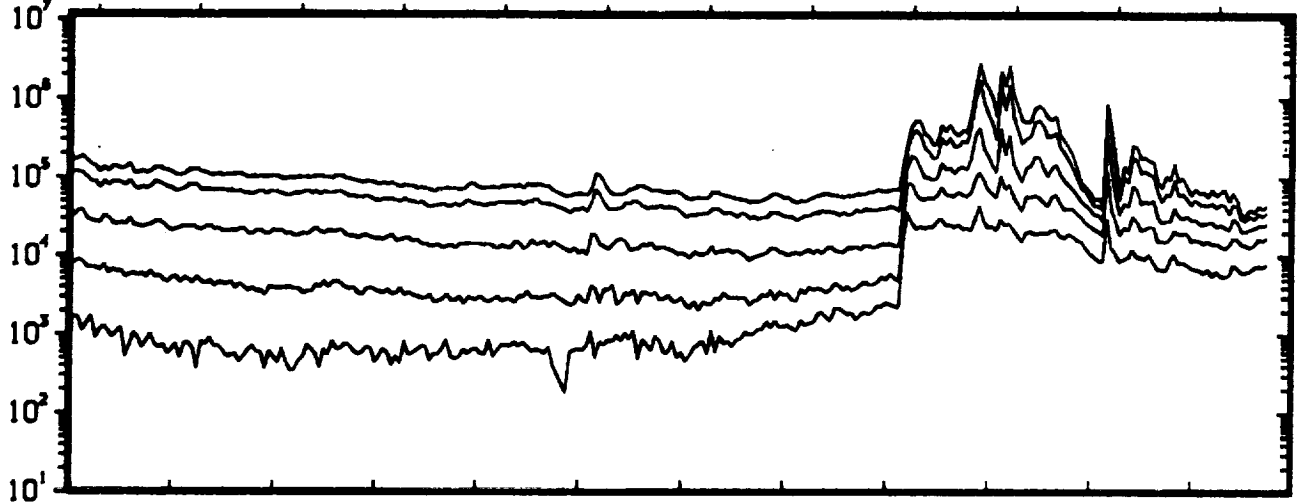
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

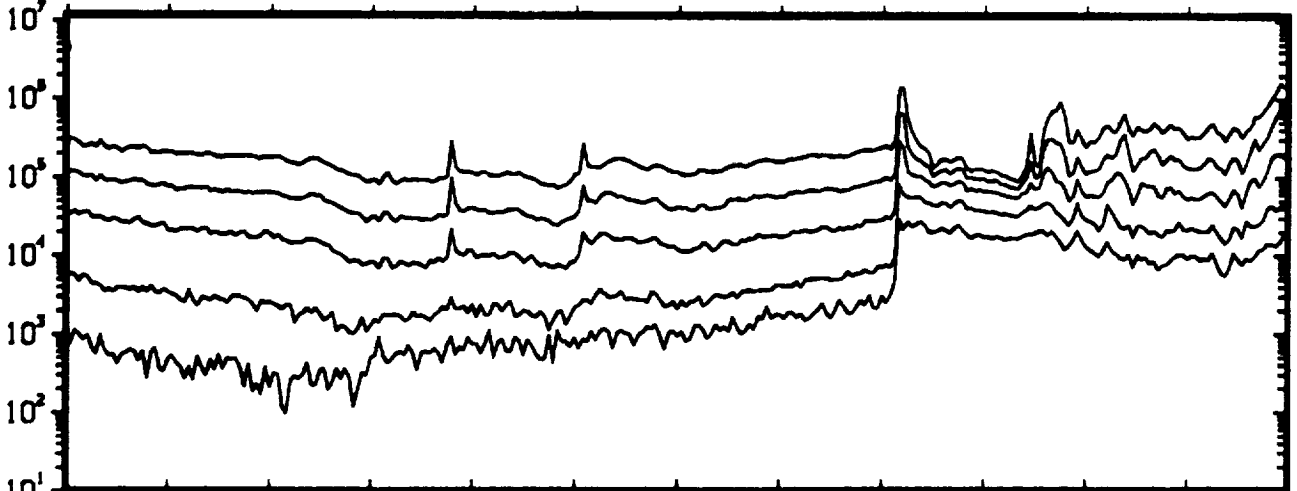
83/02/04

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



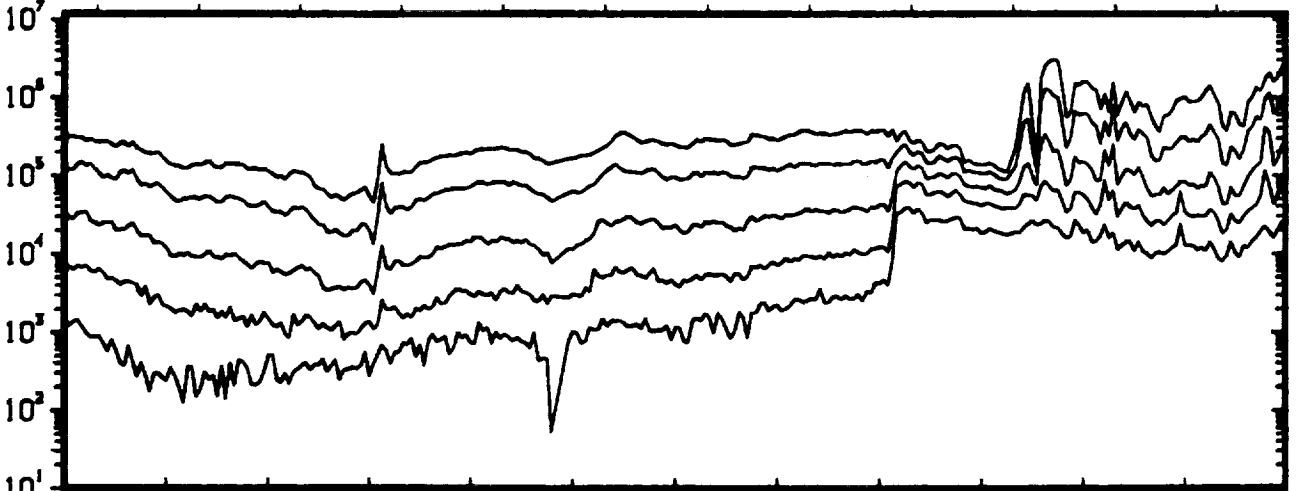
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

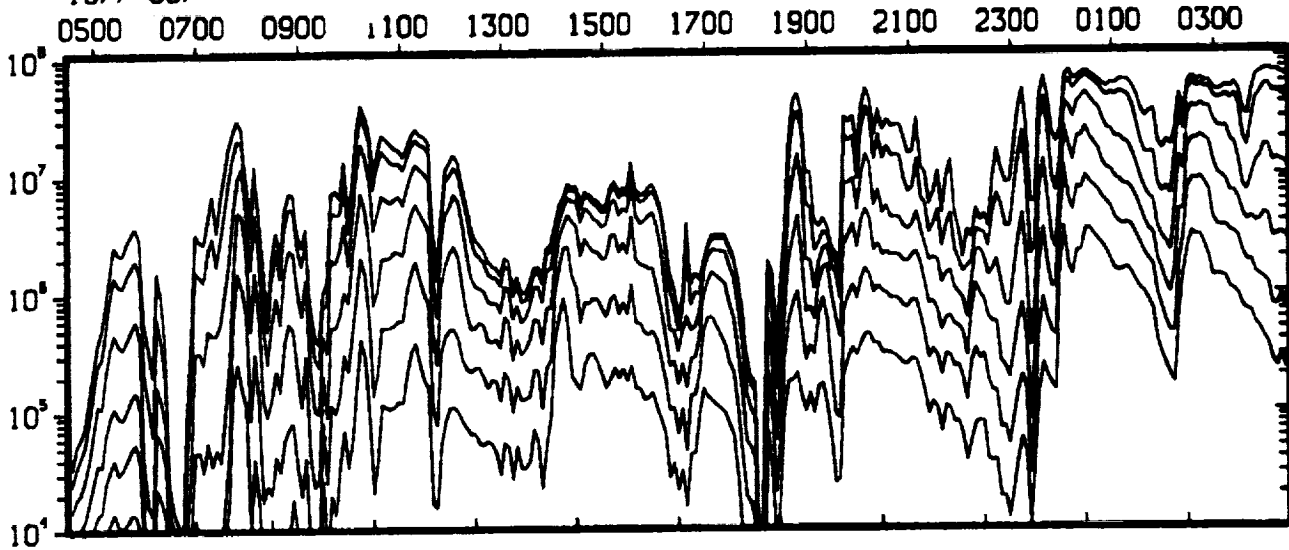


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

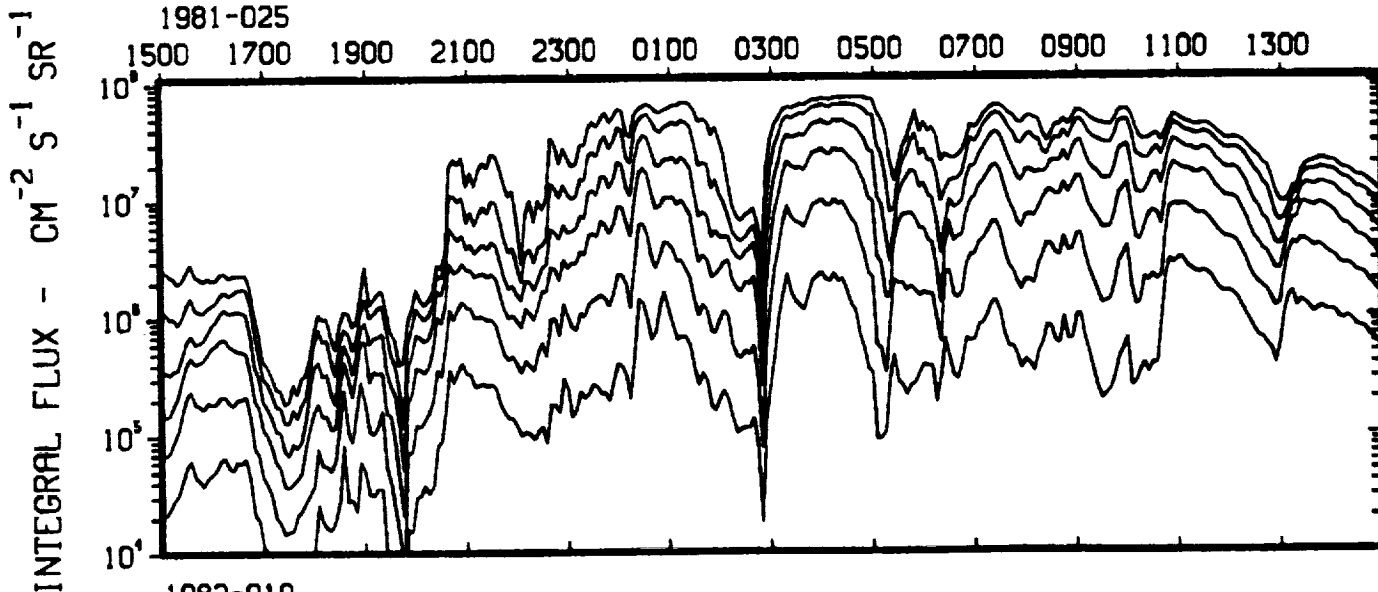
# LOW ENERGY ELECTRONS

1977-007

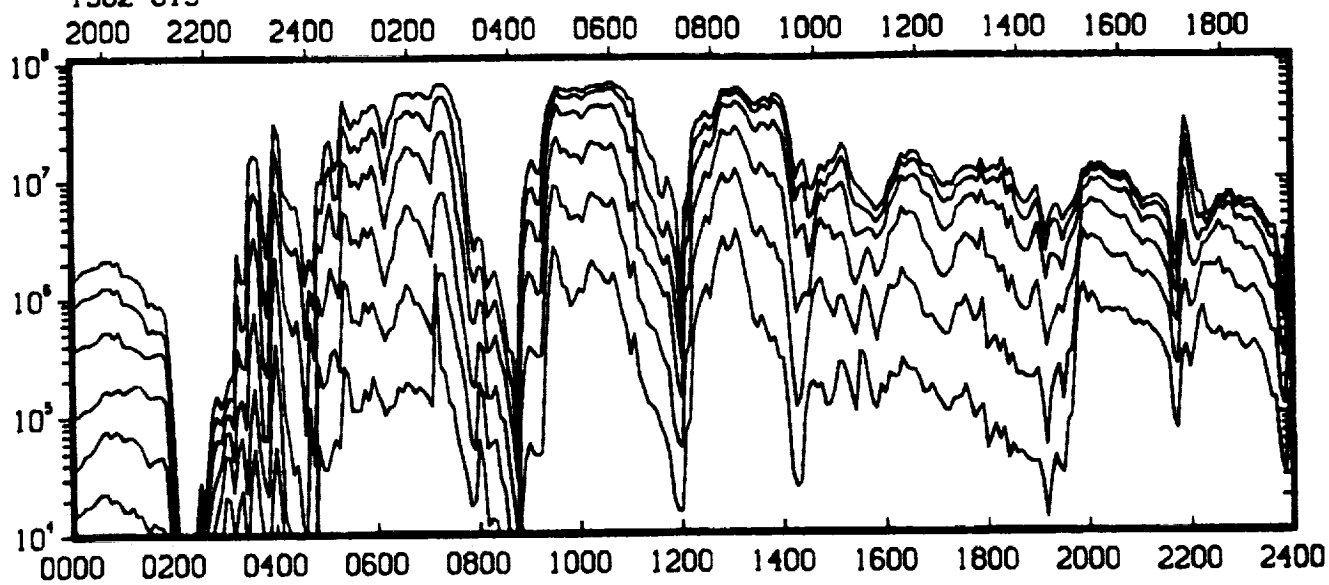
83/02/05



1981-025



1982-019



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

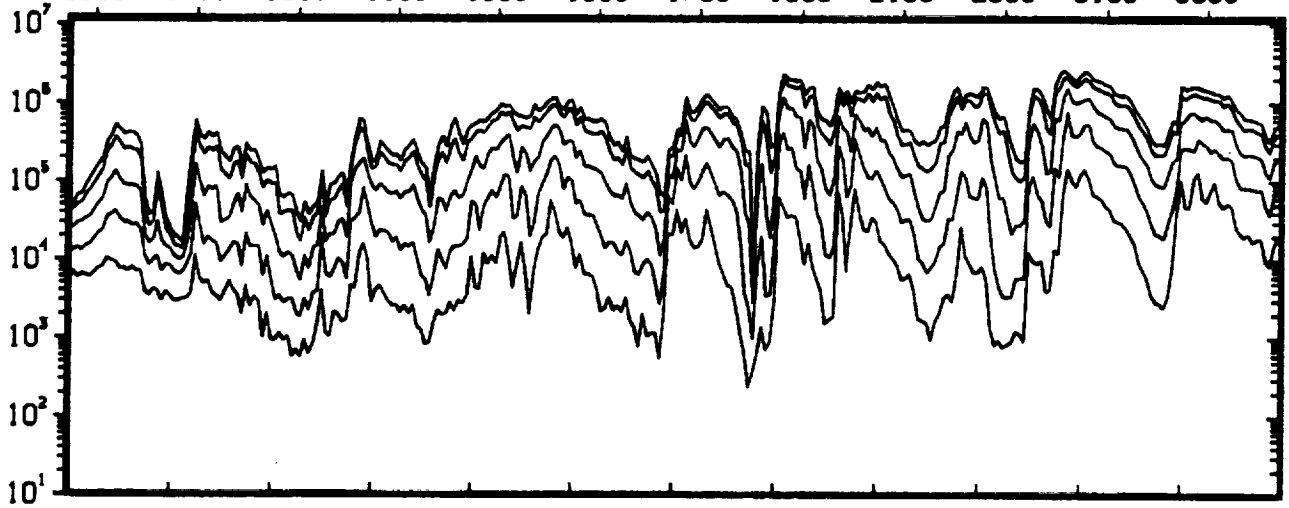


LOW ENERGY IONS

1977-007

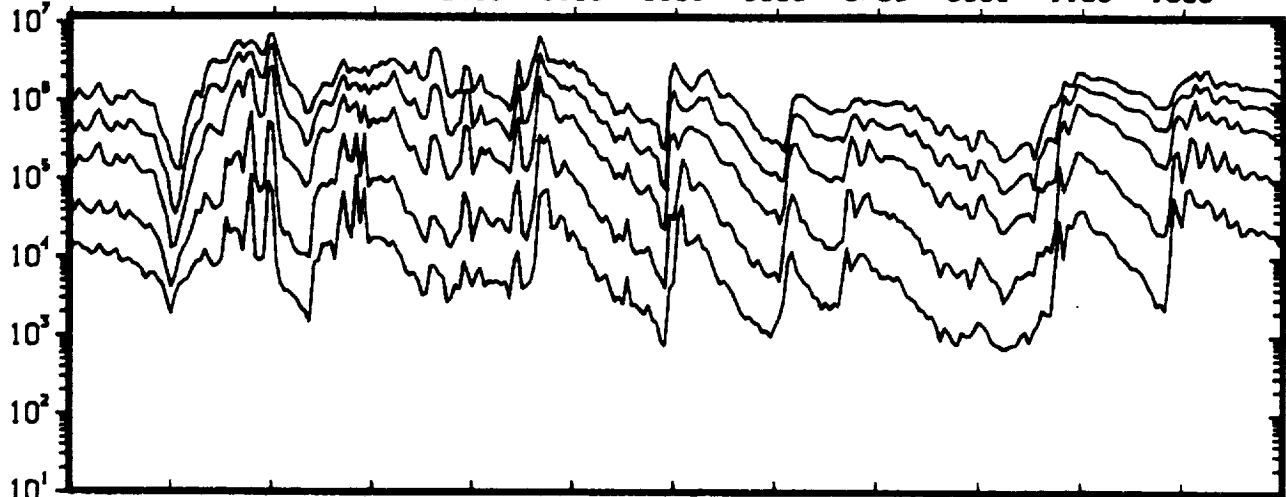
83/02/05

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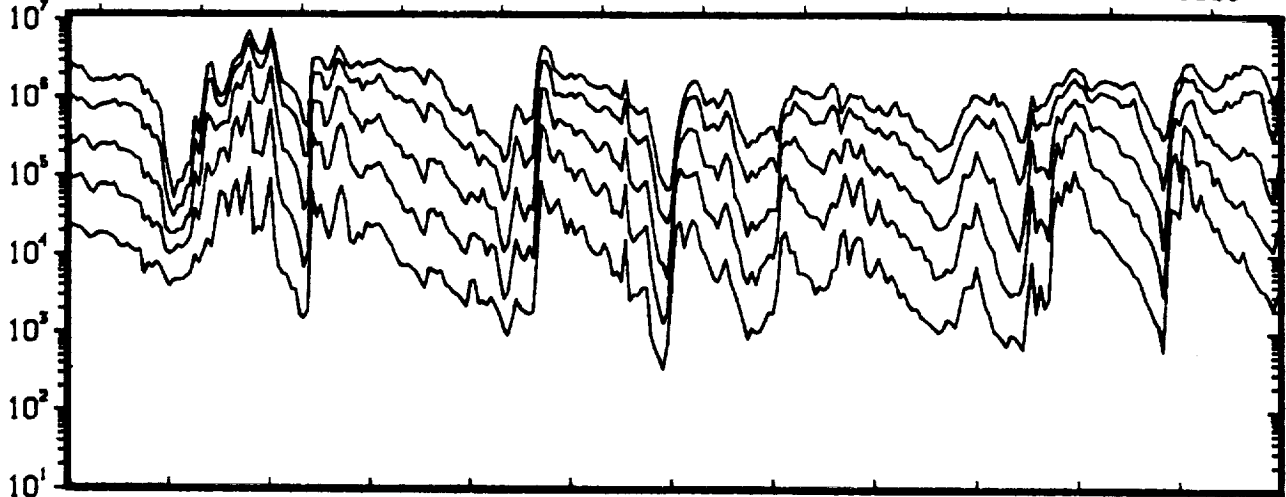
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



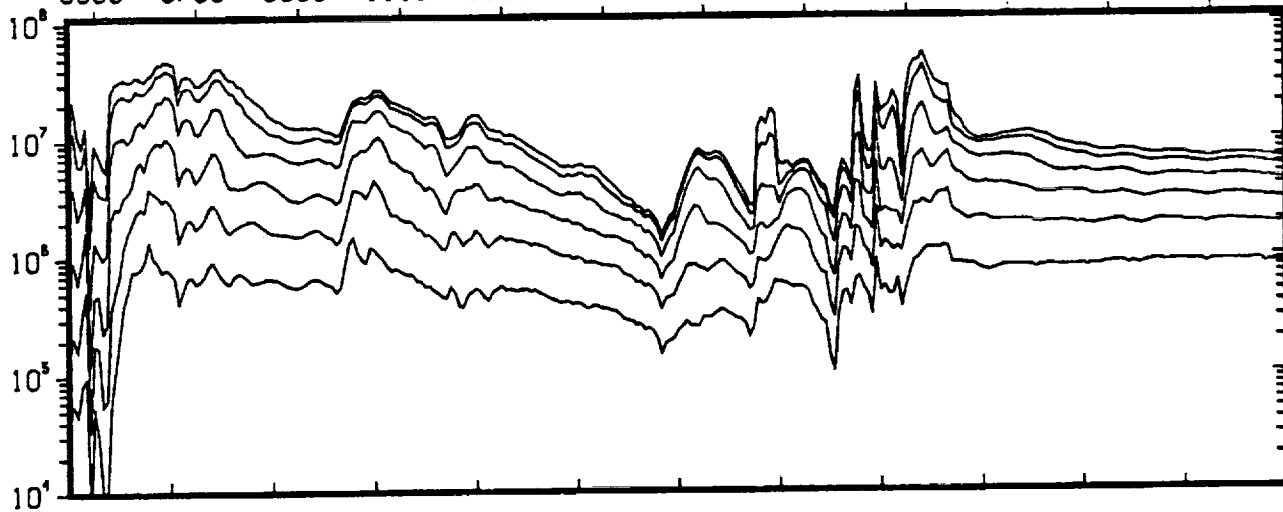
INTEGRAL FLUX - CM<sup>-2</sup> S<sup>-1</sup> SR<sup>-1</sup>

# LOW ENERGY ELECTRONS

1977-007

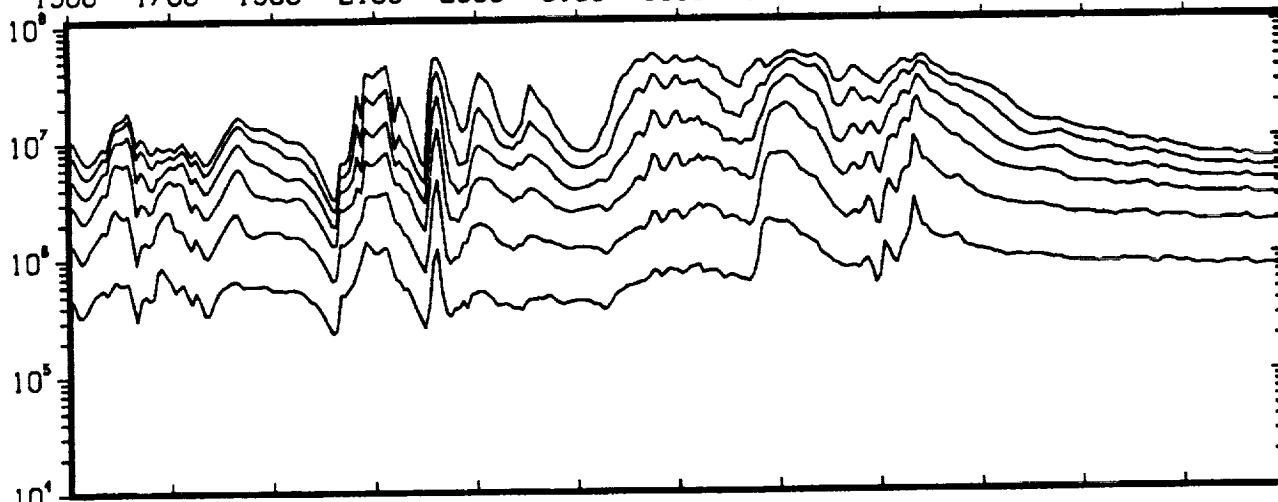
83/02/06

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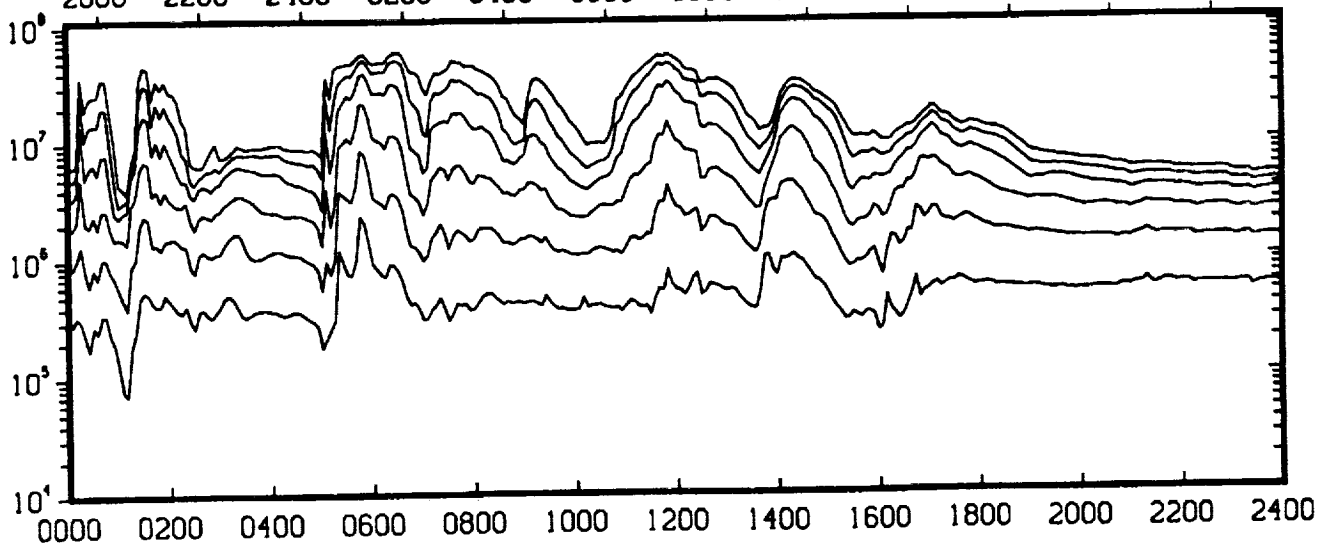
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



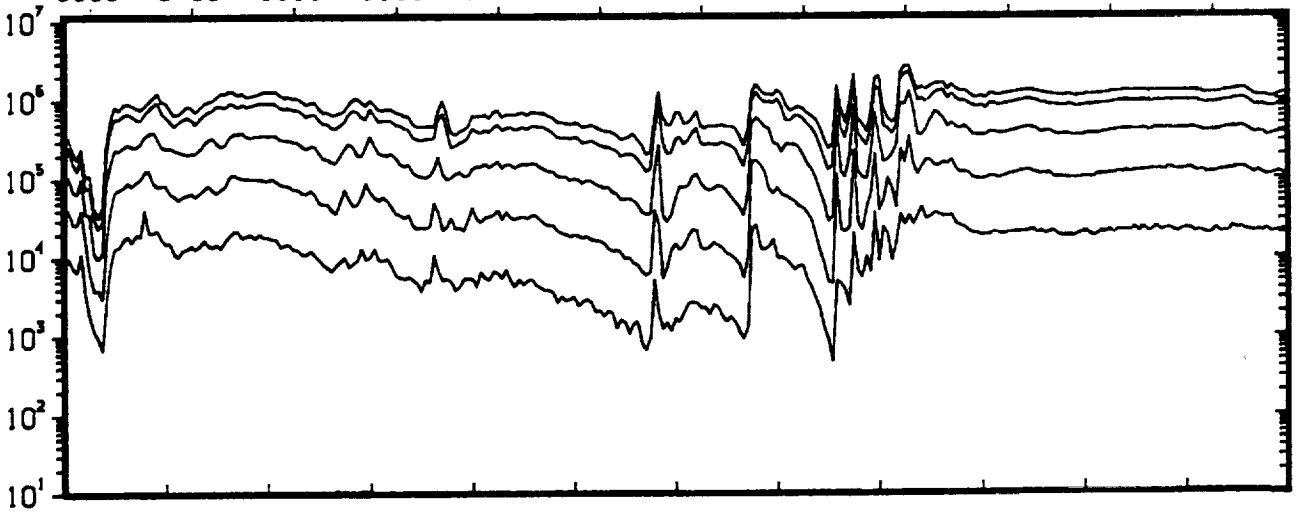
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

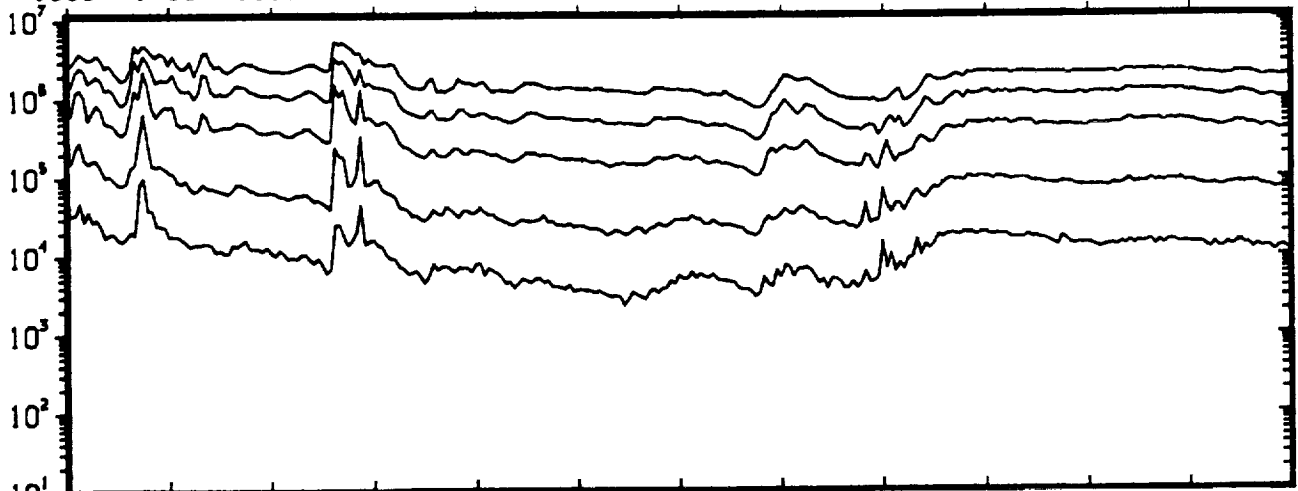
83/02/06

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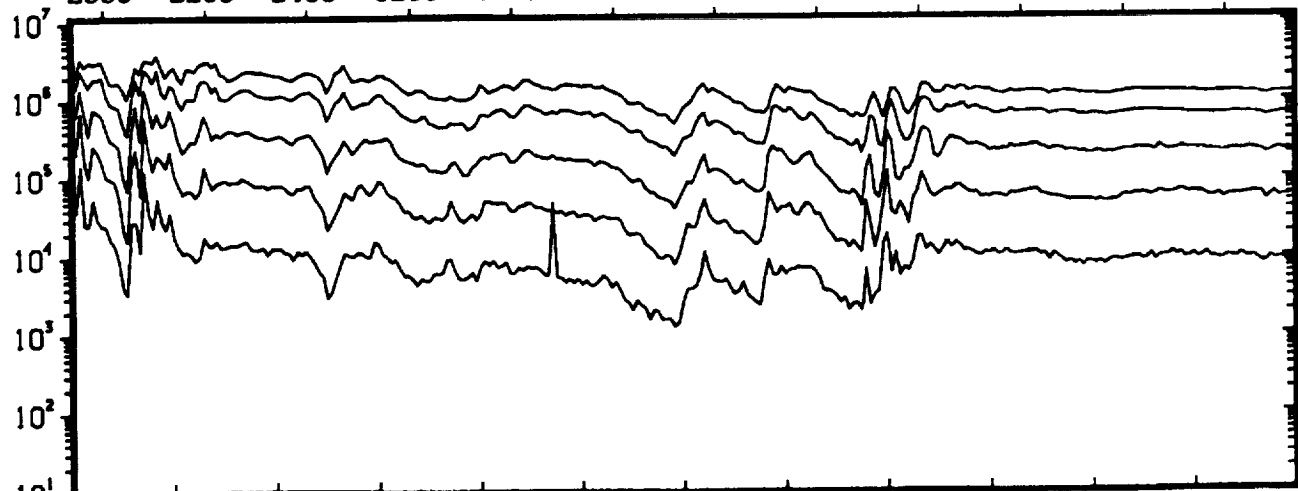
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



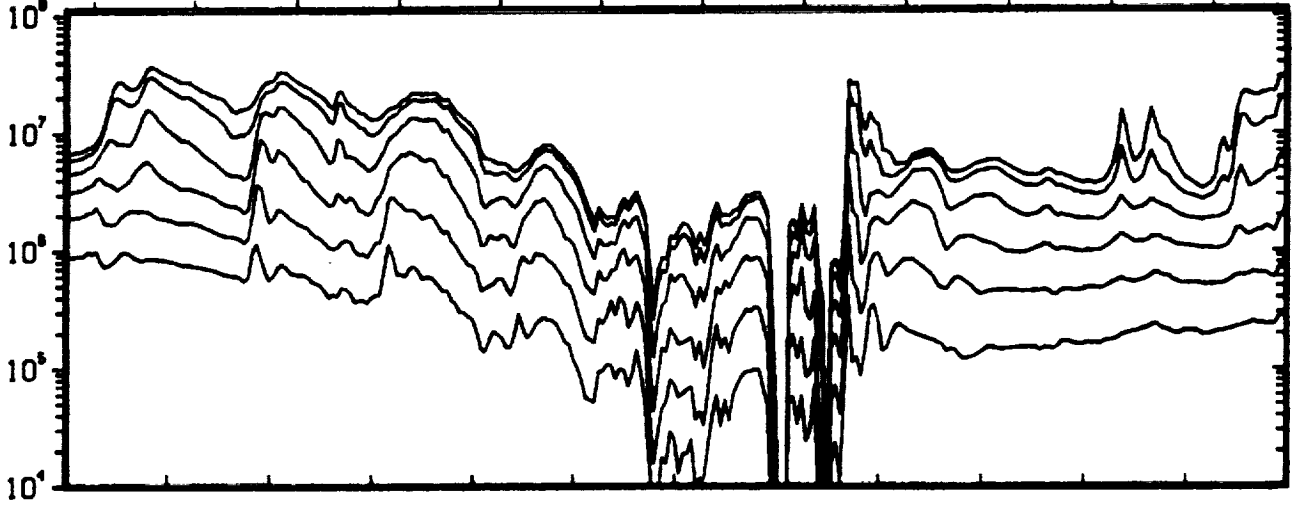
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

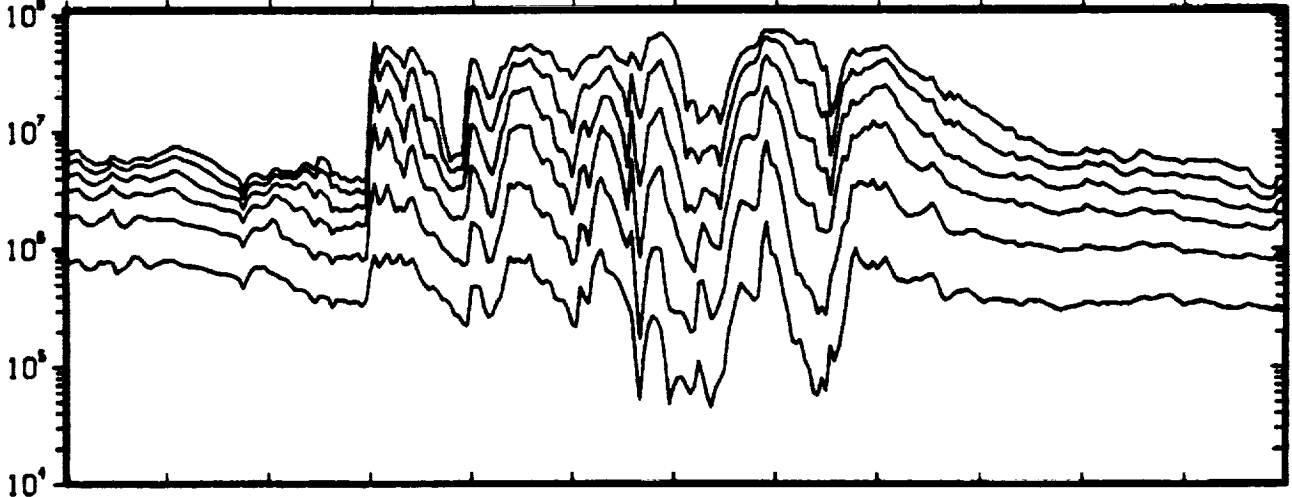
83/02/07

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



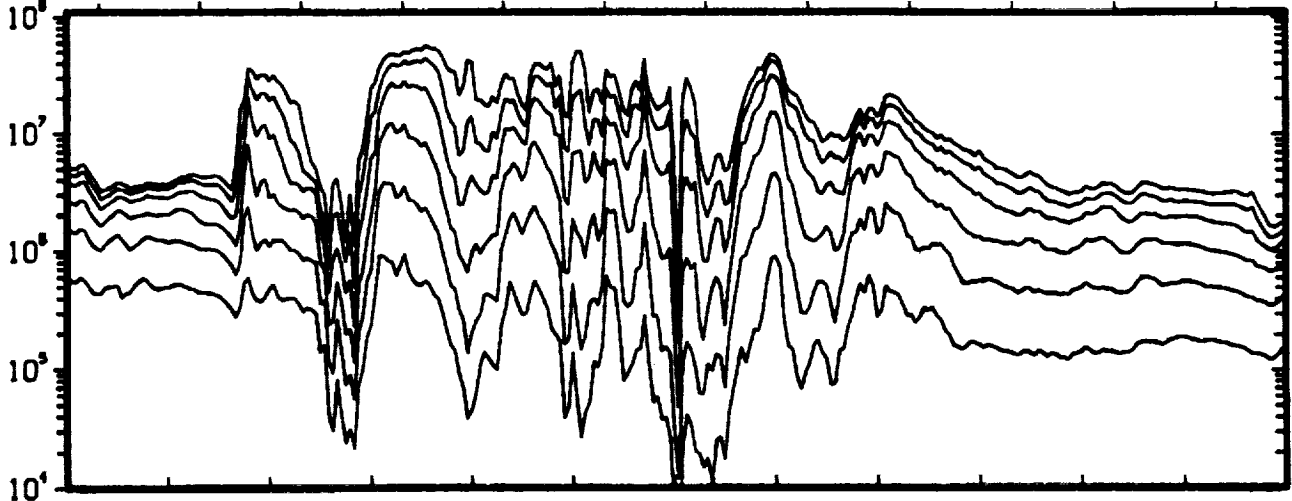
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



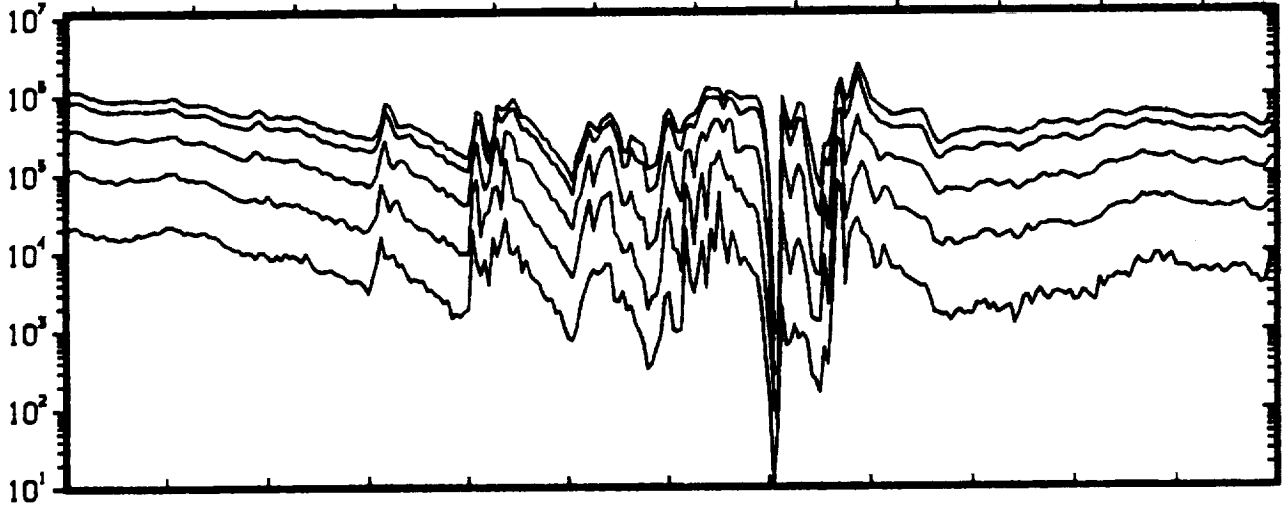
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/02/07

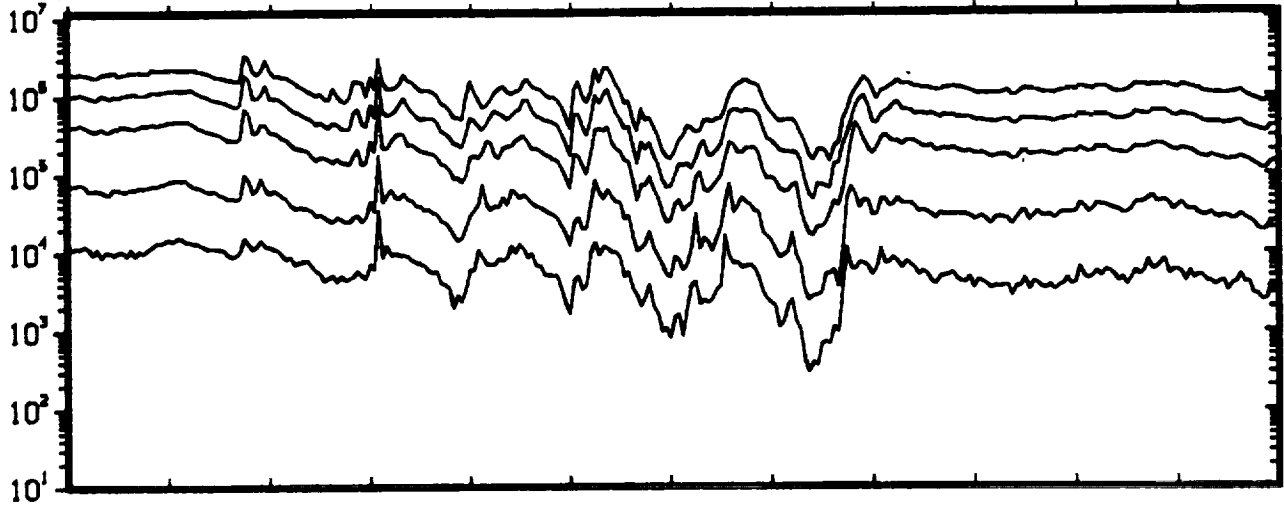
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

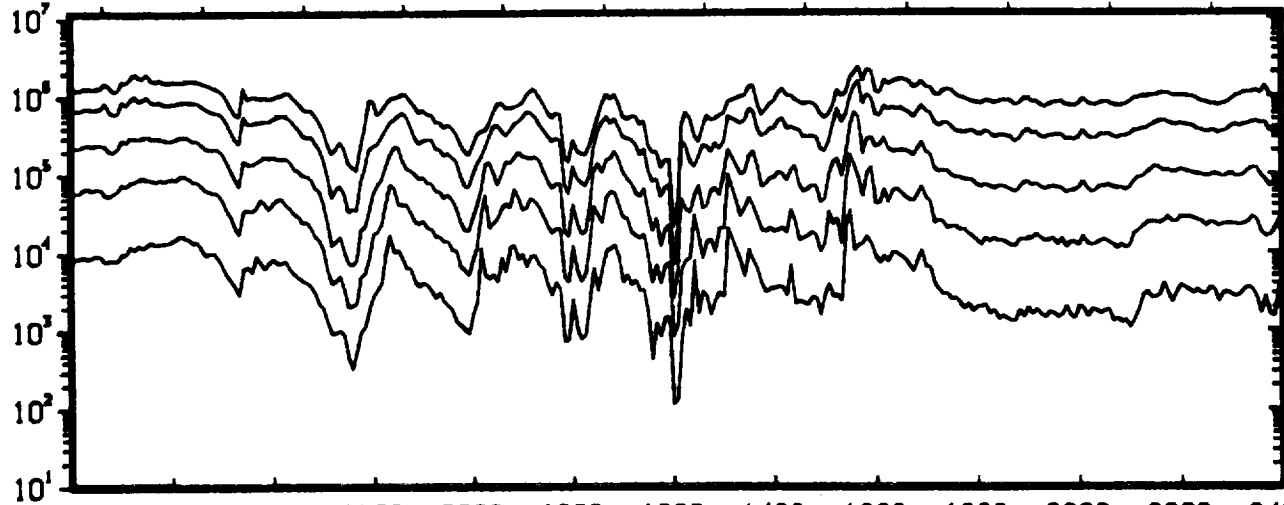
1981-025

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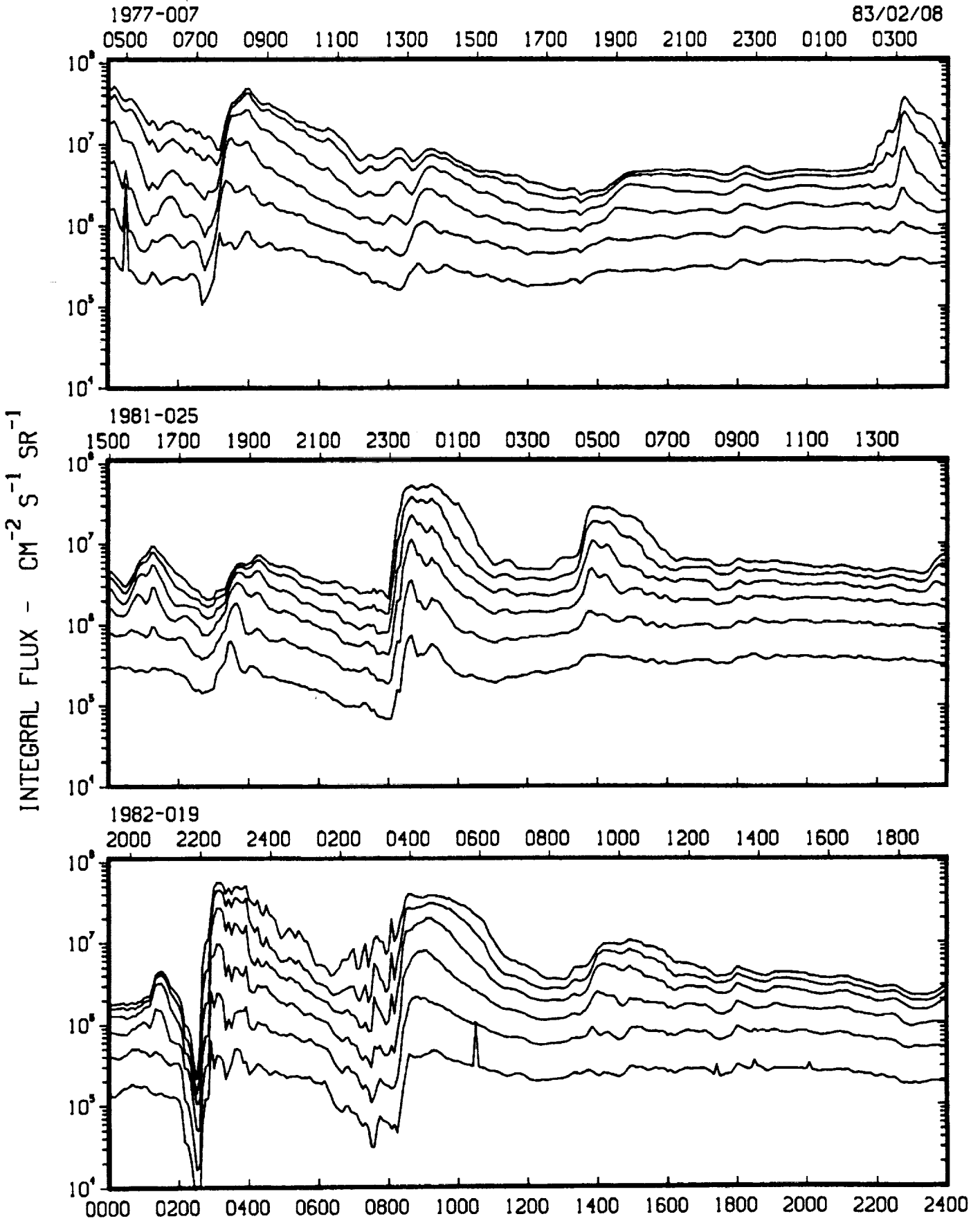
1982-019

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0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

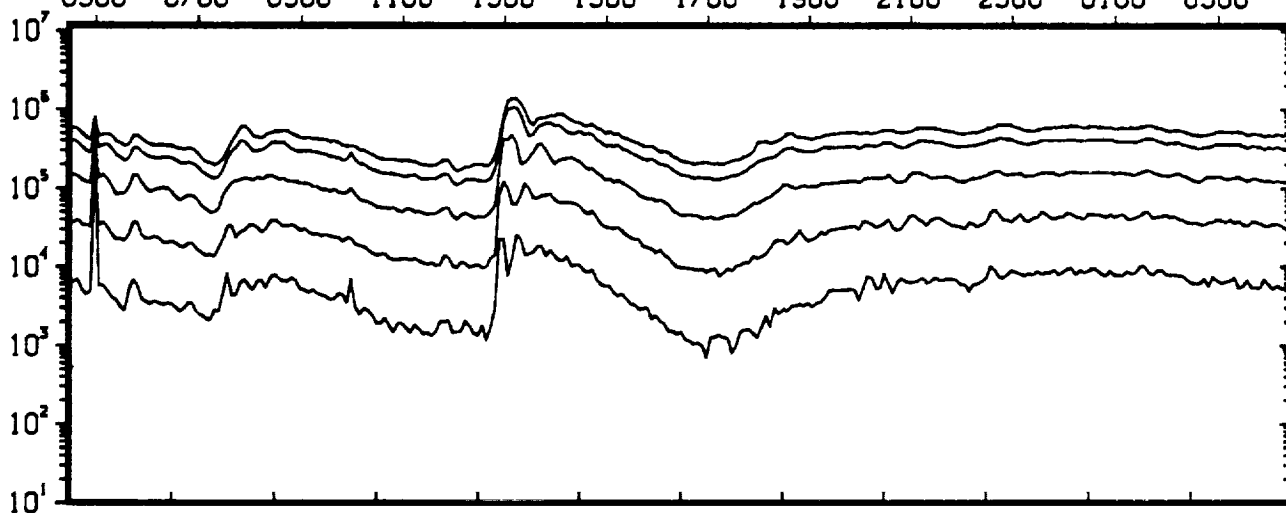


# LOW ENERGY IONS

1977-007

83/02/08

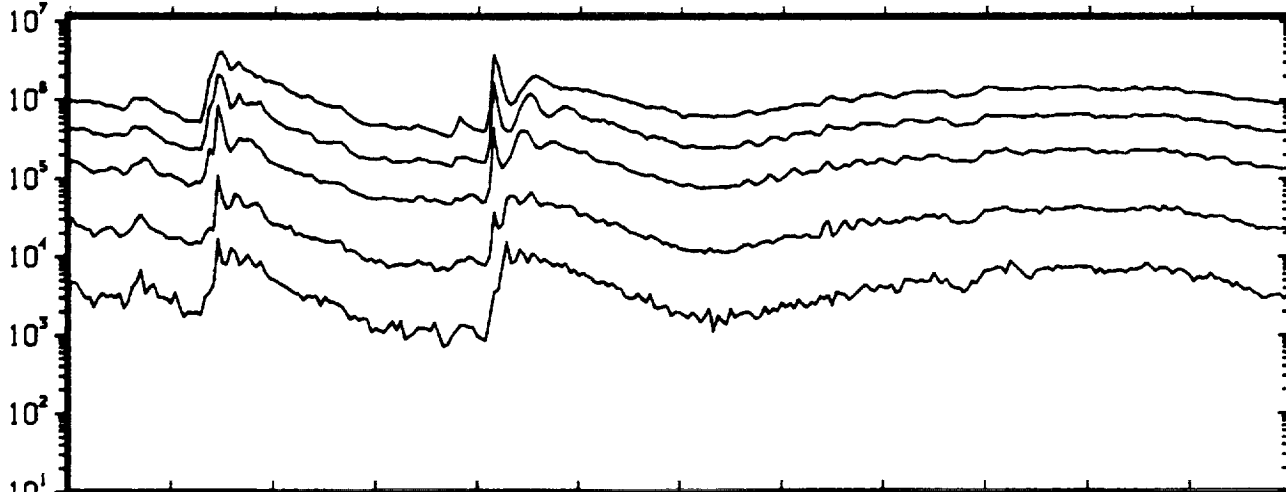
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

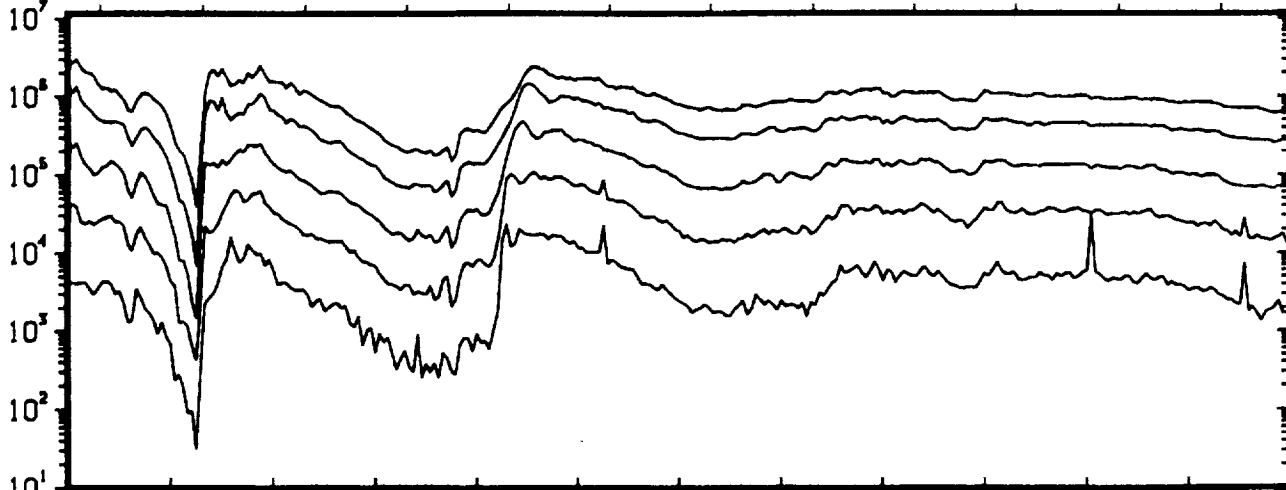
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



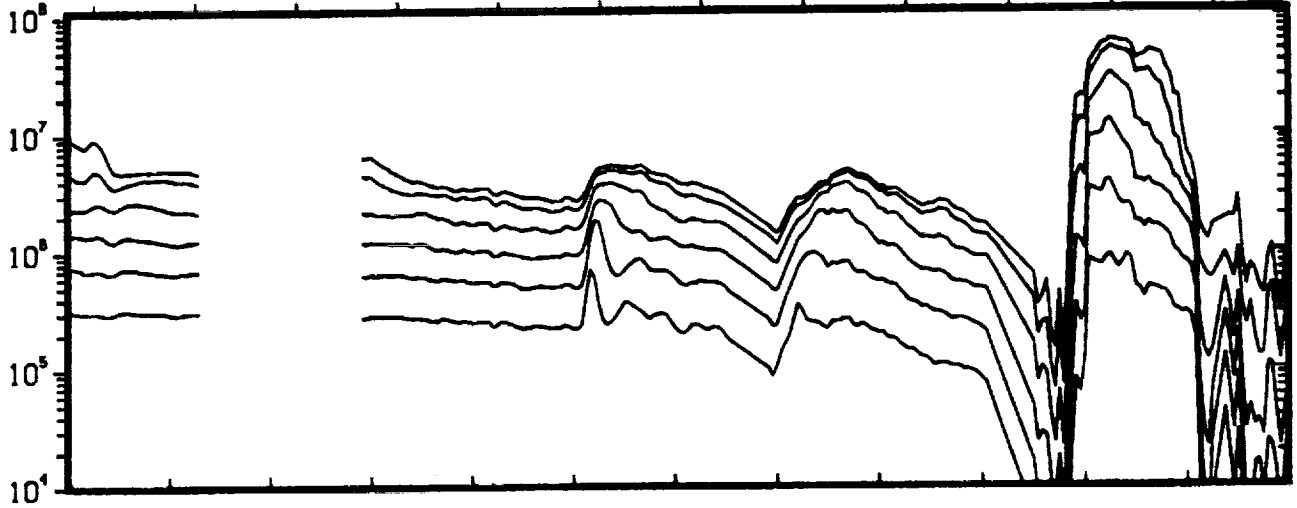
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# LOW ENERGY ELECTRONS

1977-007

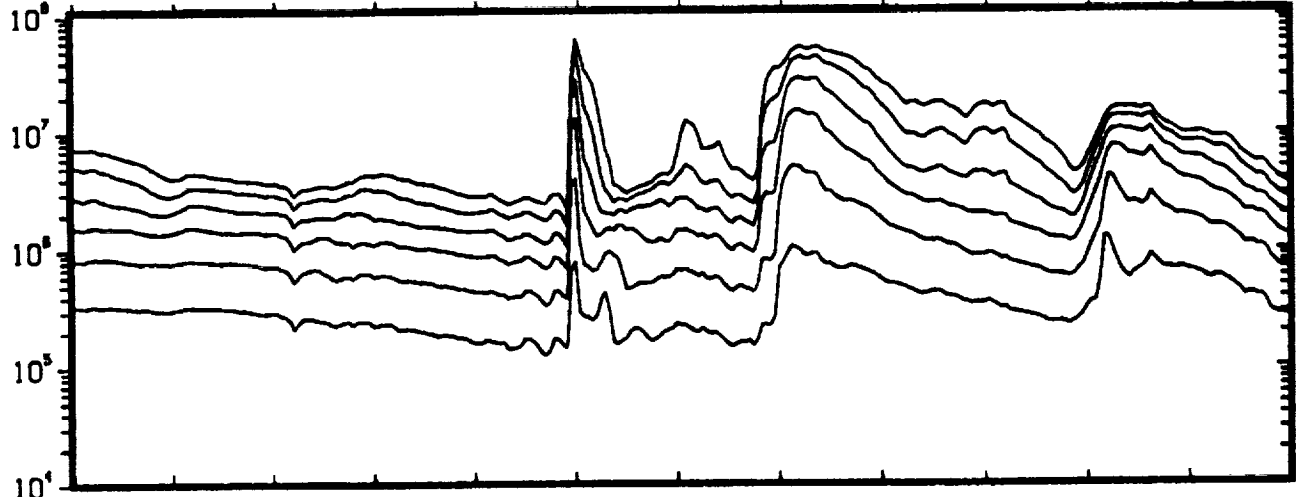
83/02/09

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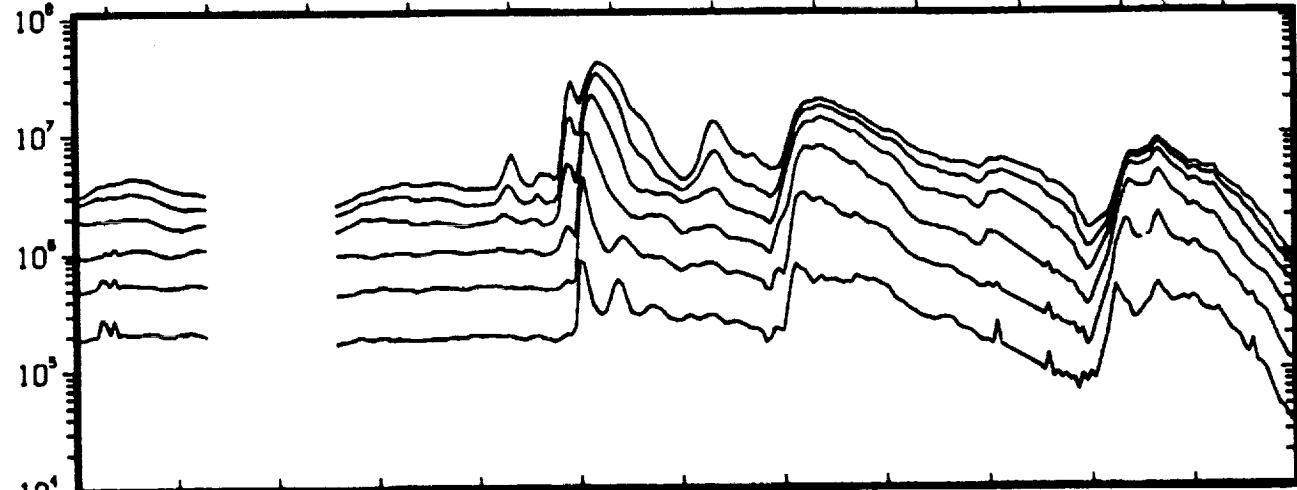
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

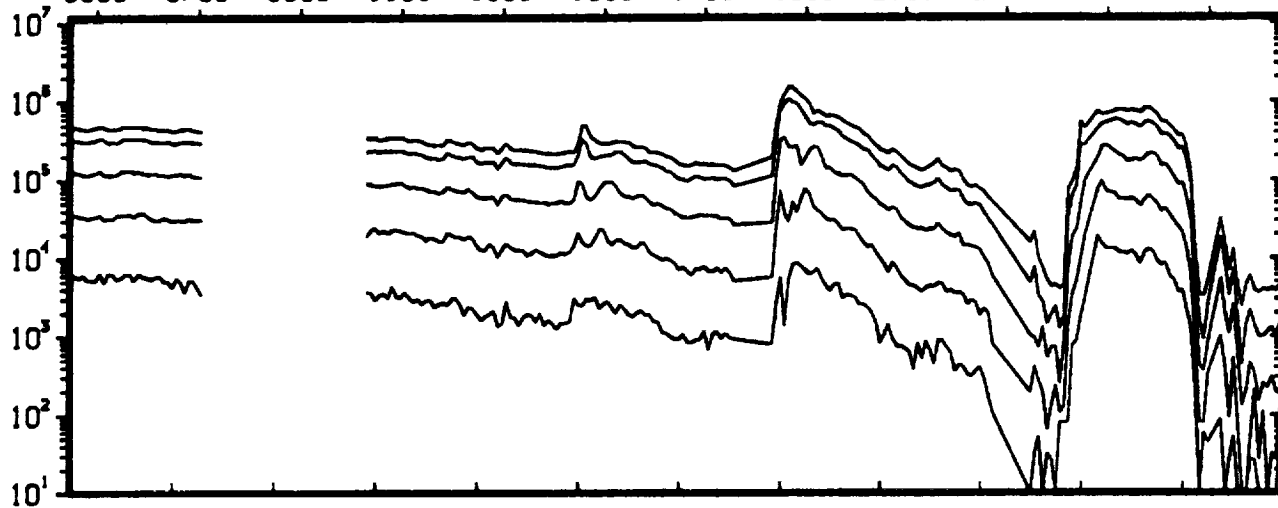


# LOW ENERGY IONS

1977-007

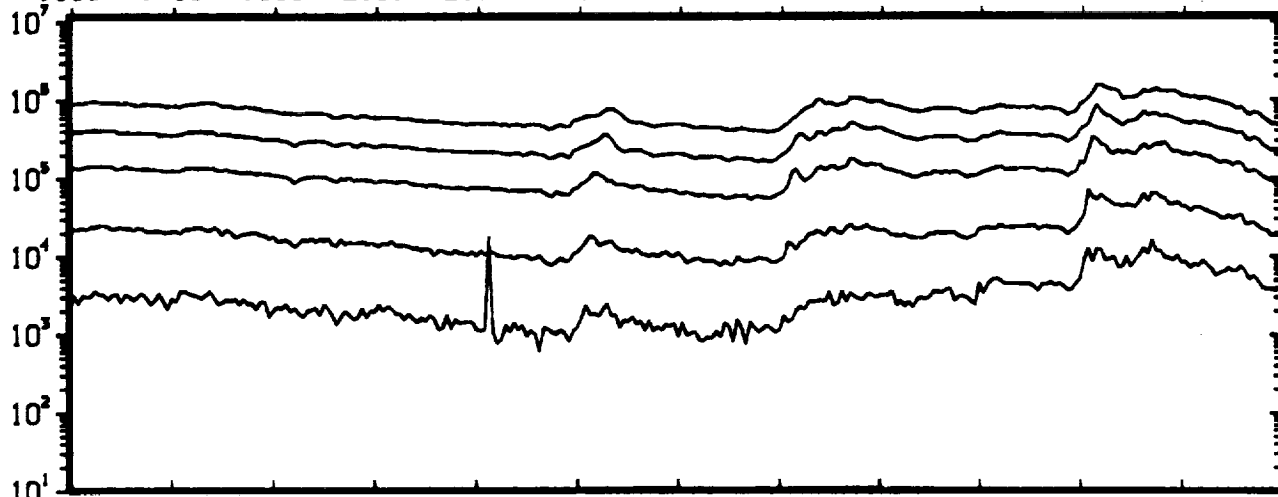
83/02/09

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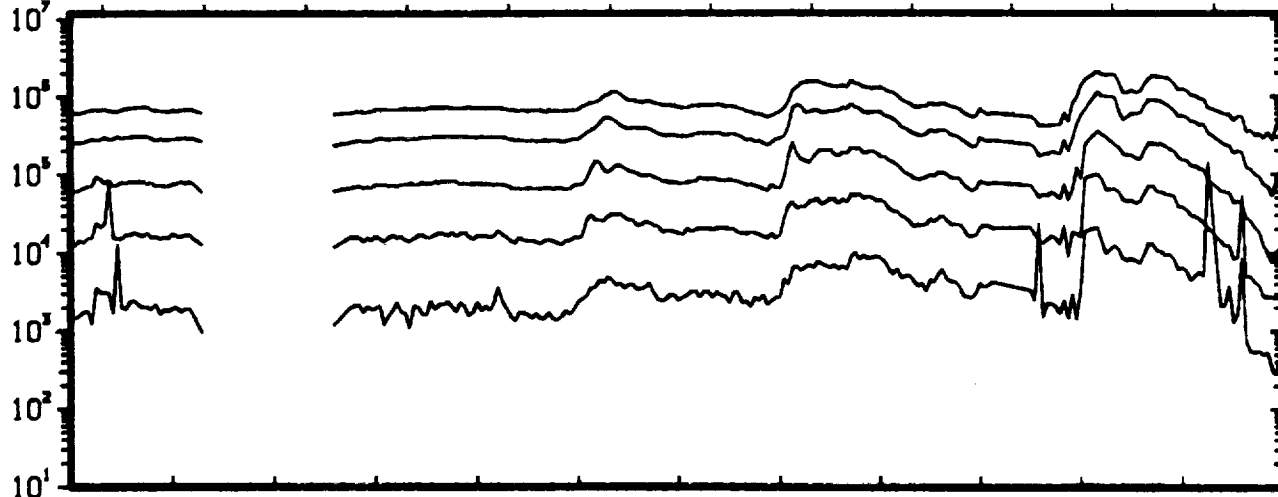
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



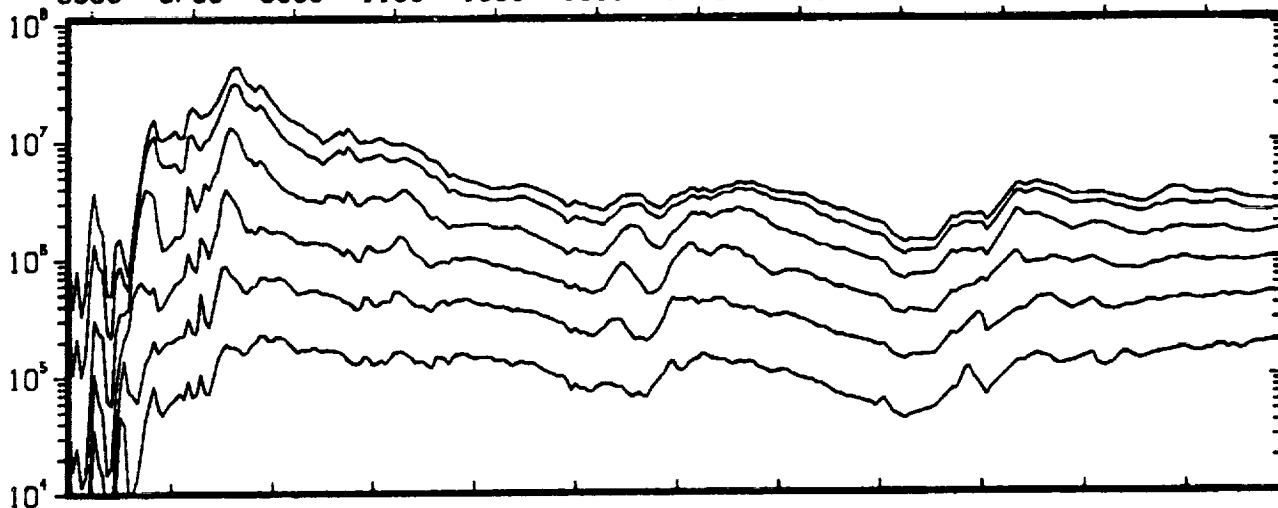
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

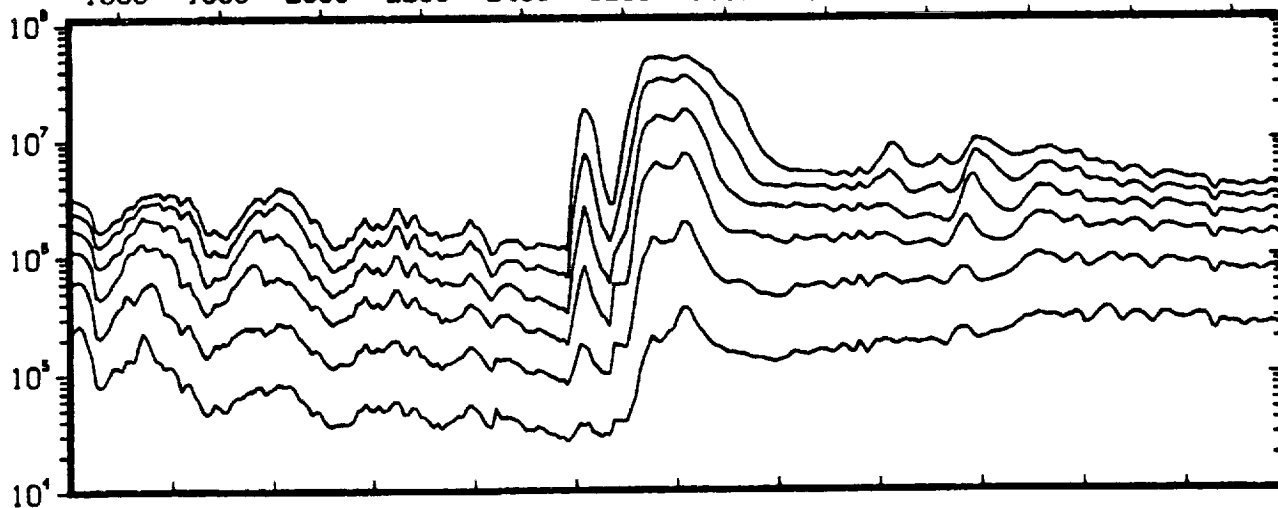
83/02/10

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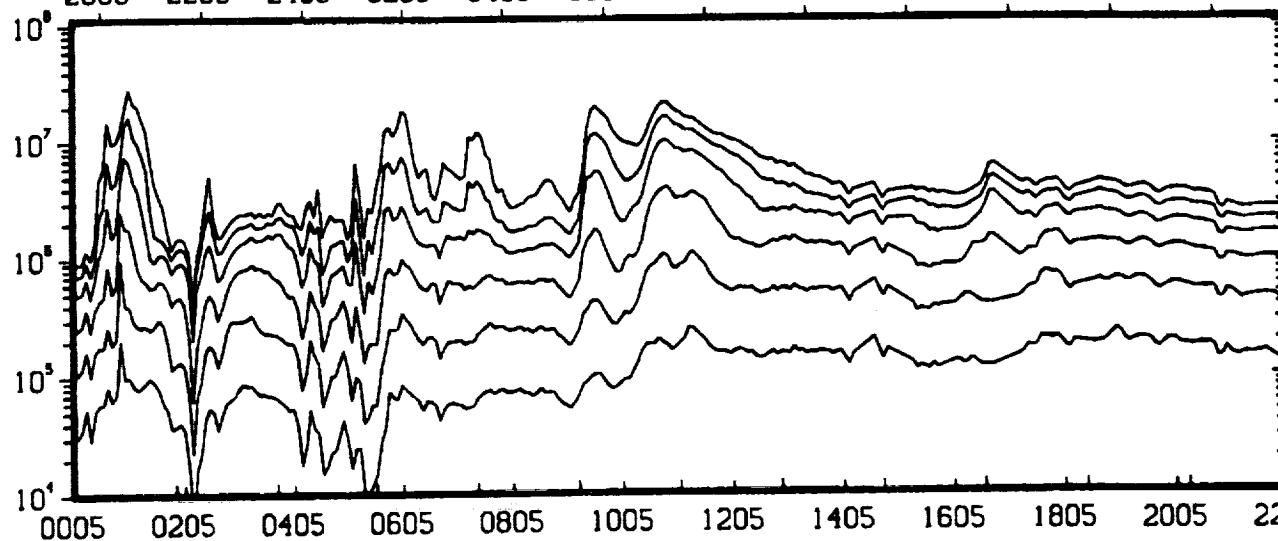
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



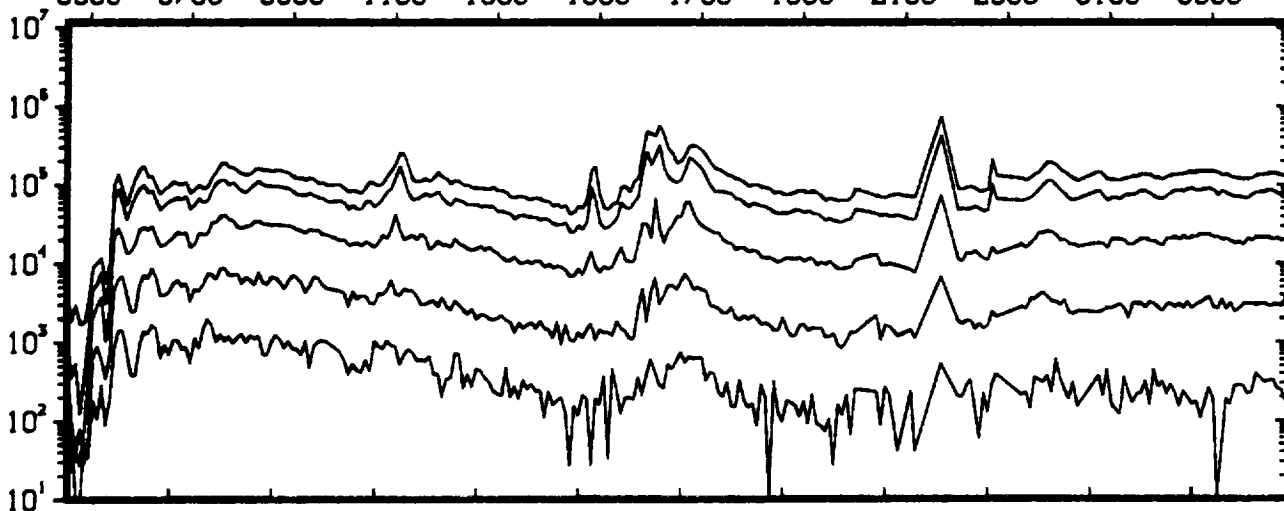
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/02/10

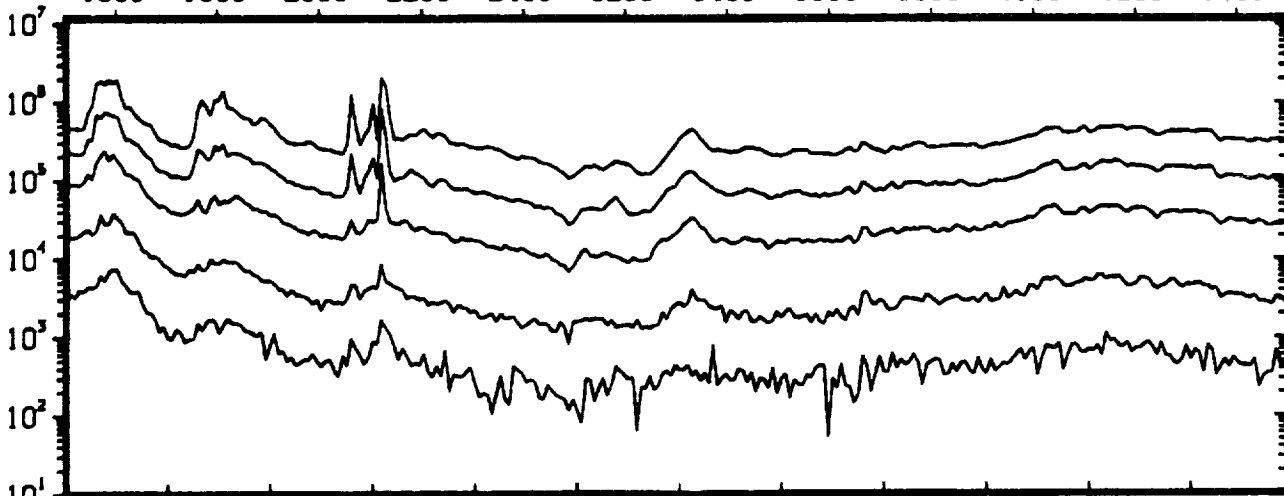
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

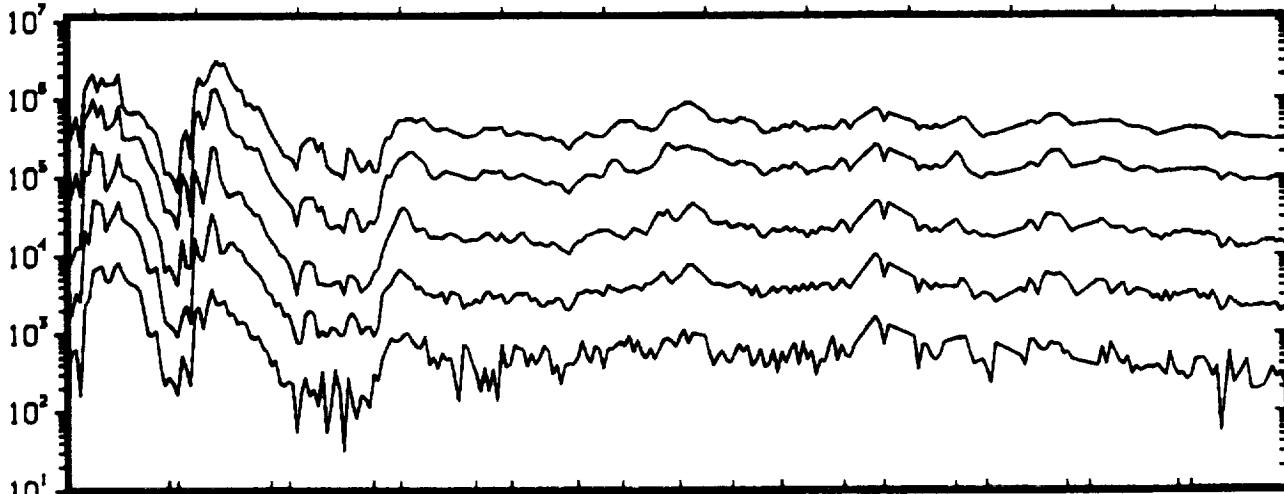
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



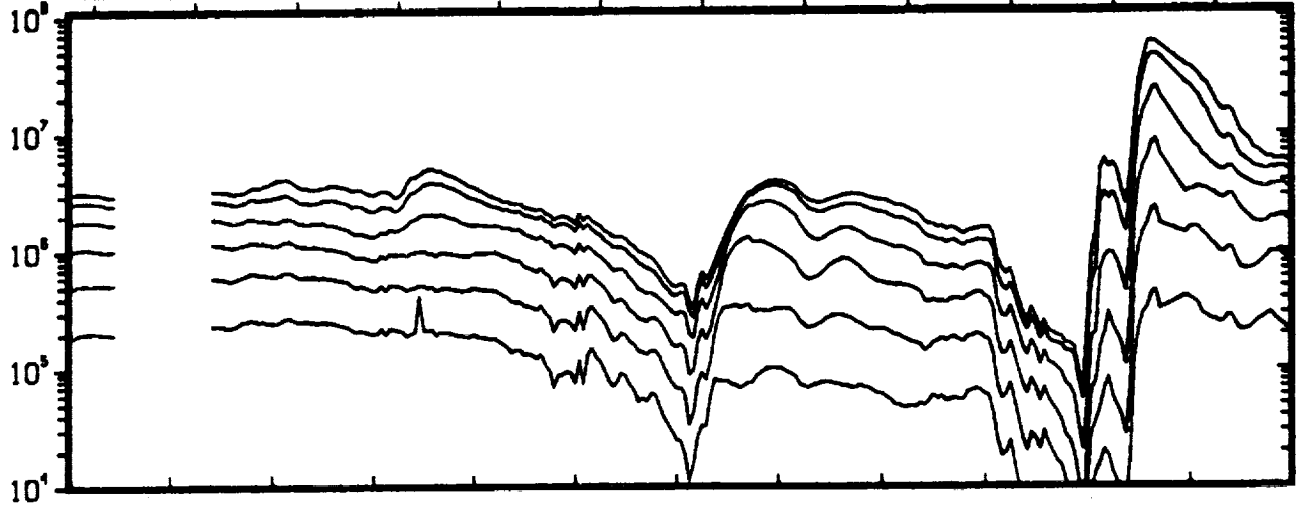
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# LOW ENERGY ELECTRONS

1977-007

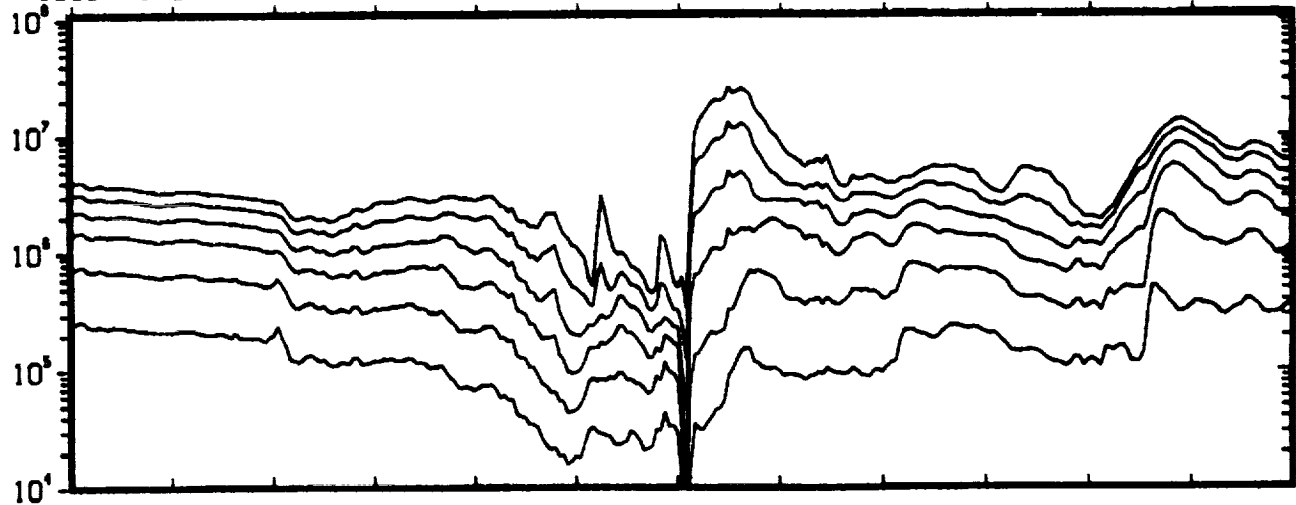
83/02/11

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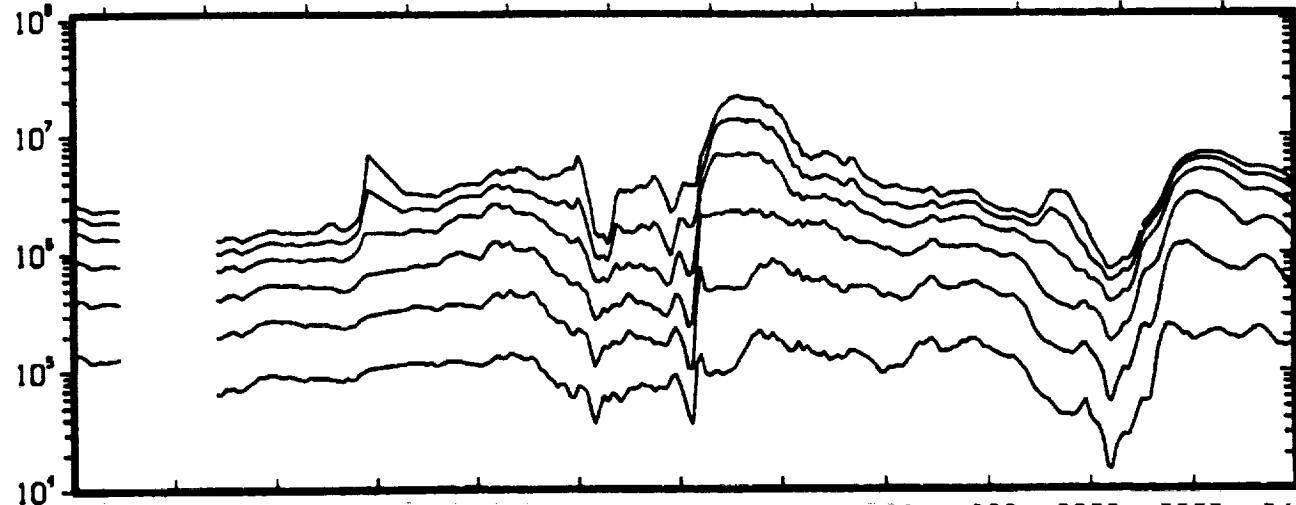
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



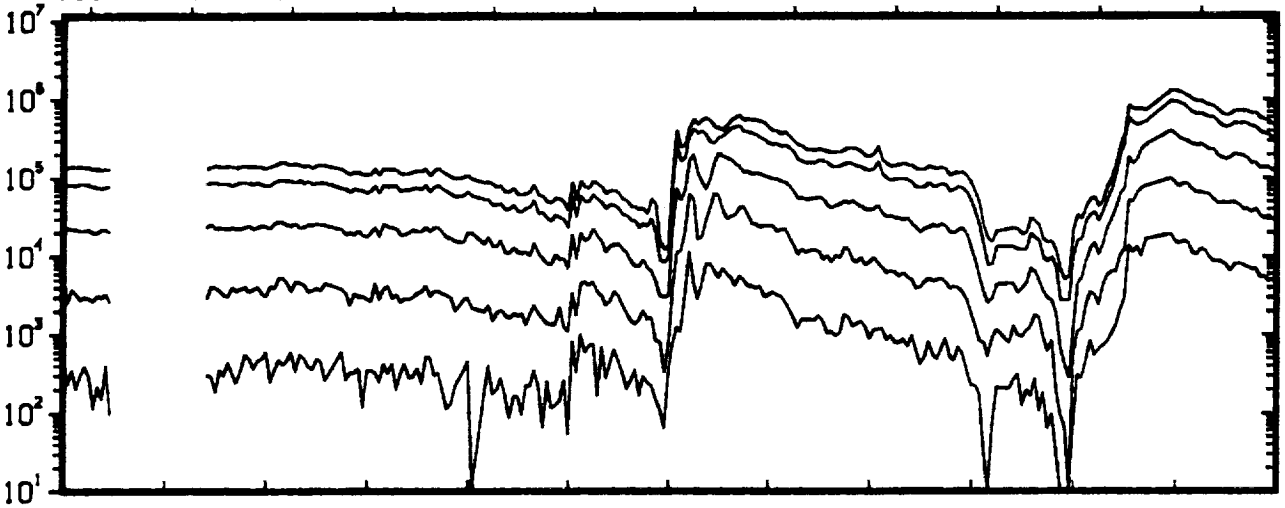
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

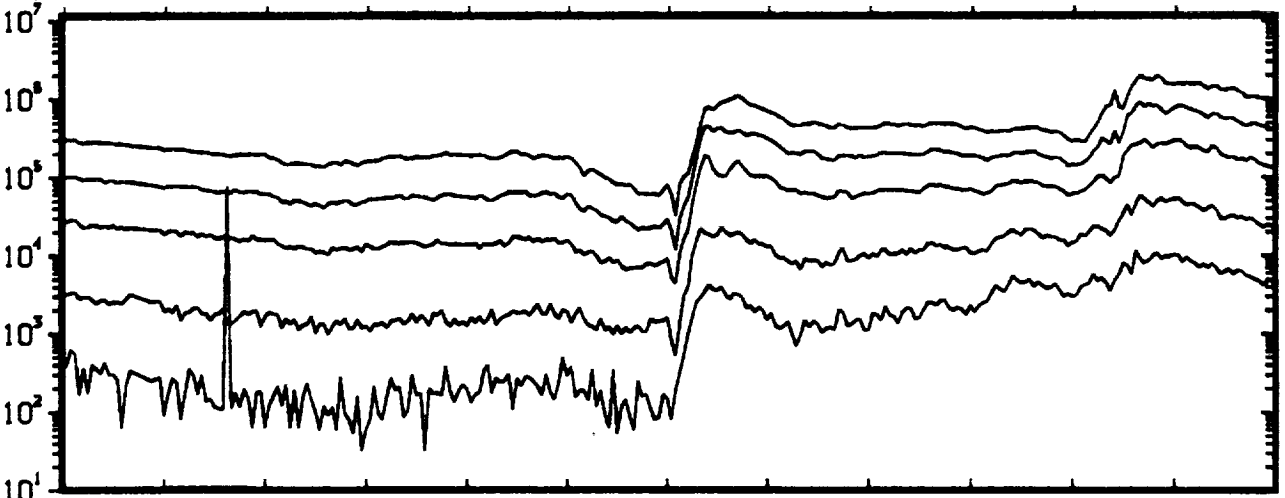
83/02/11

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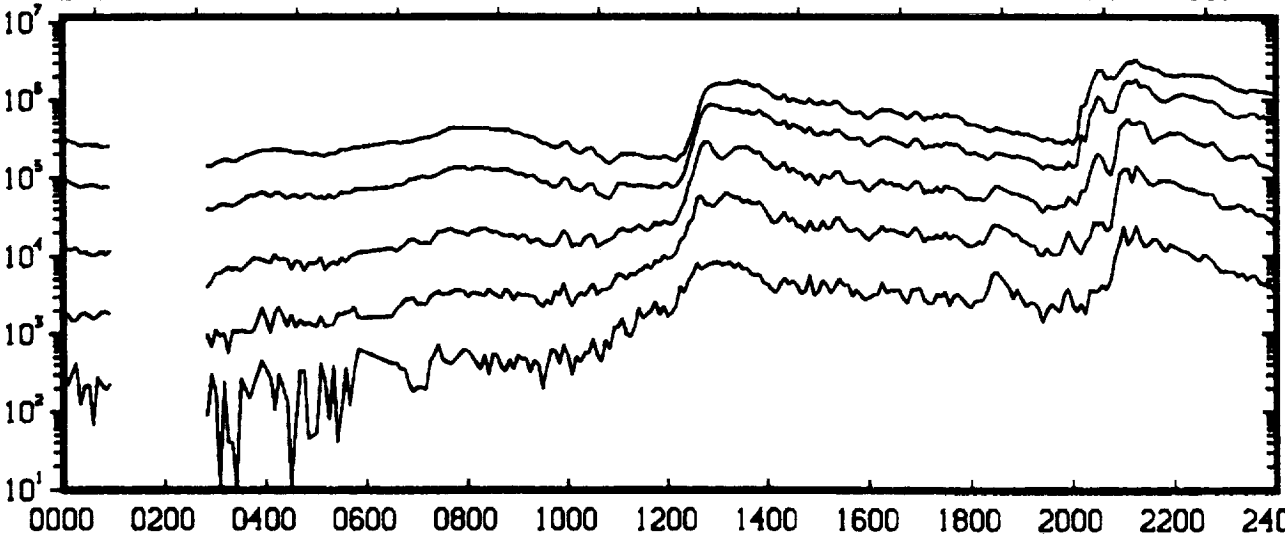
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



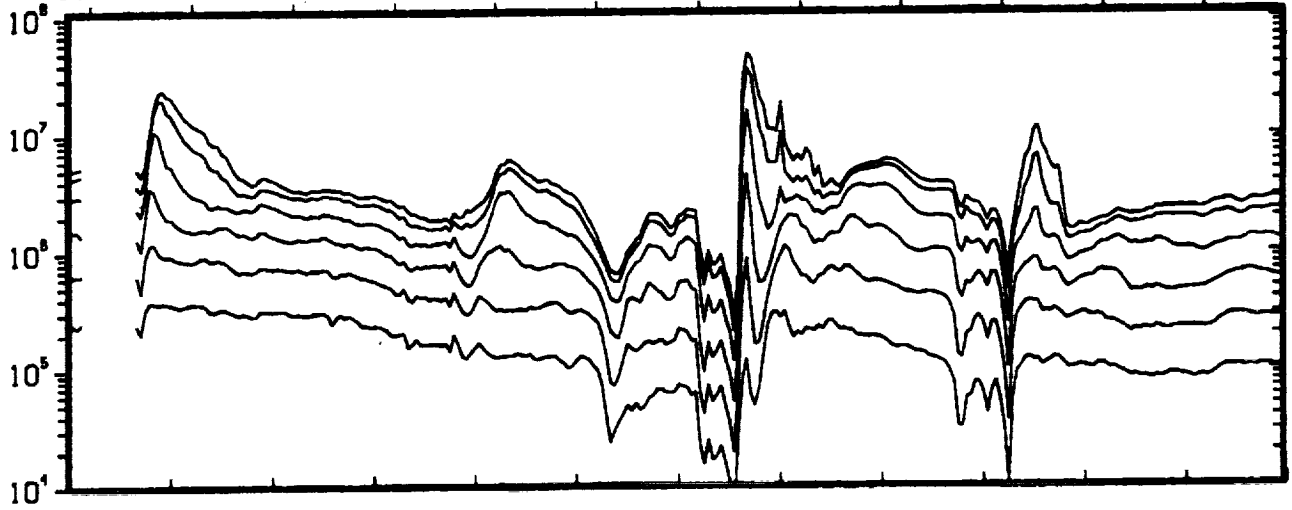
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

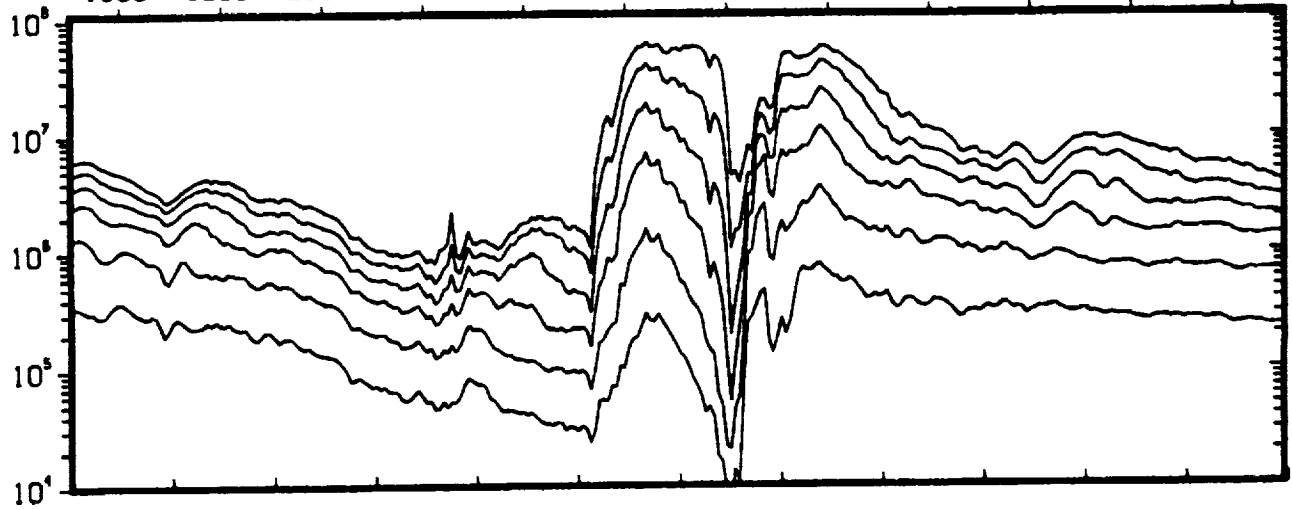
83/02/12

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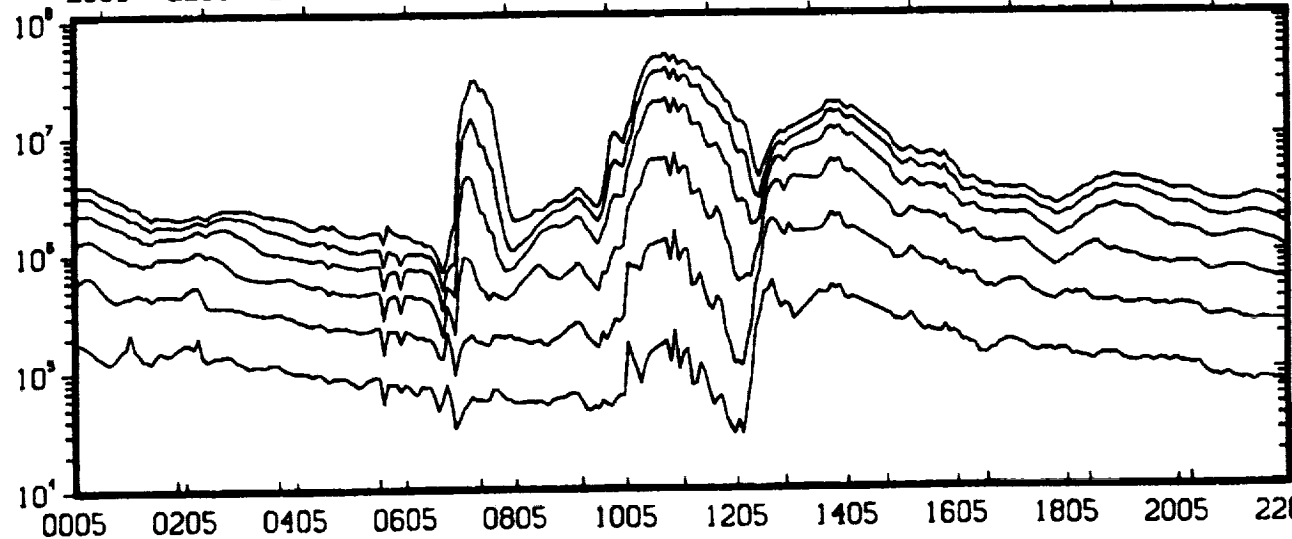
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

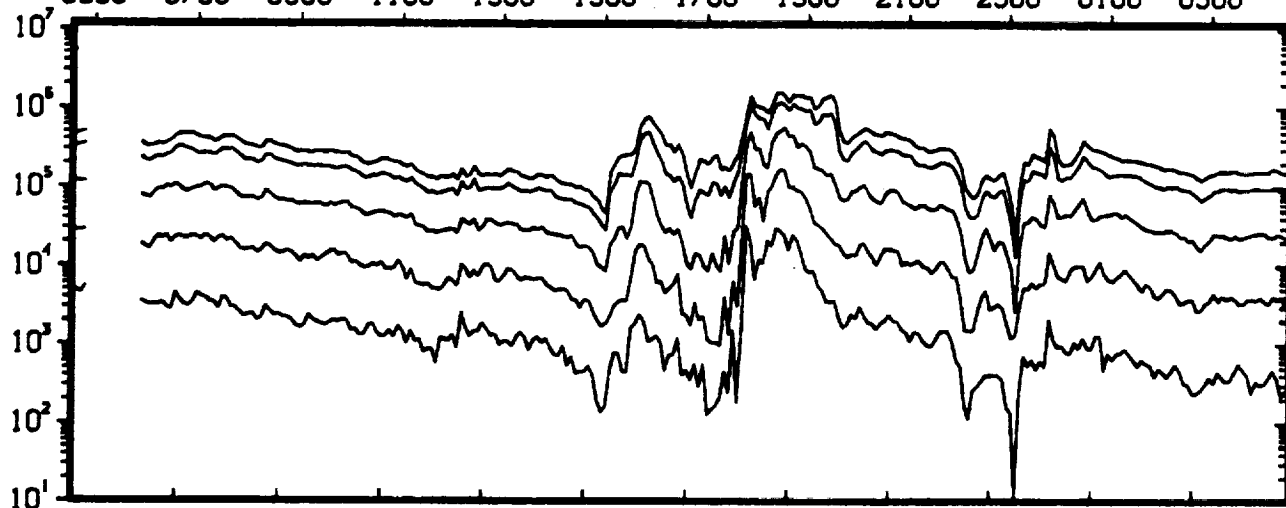
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

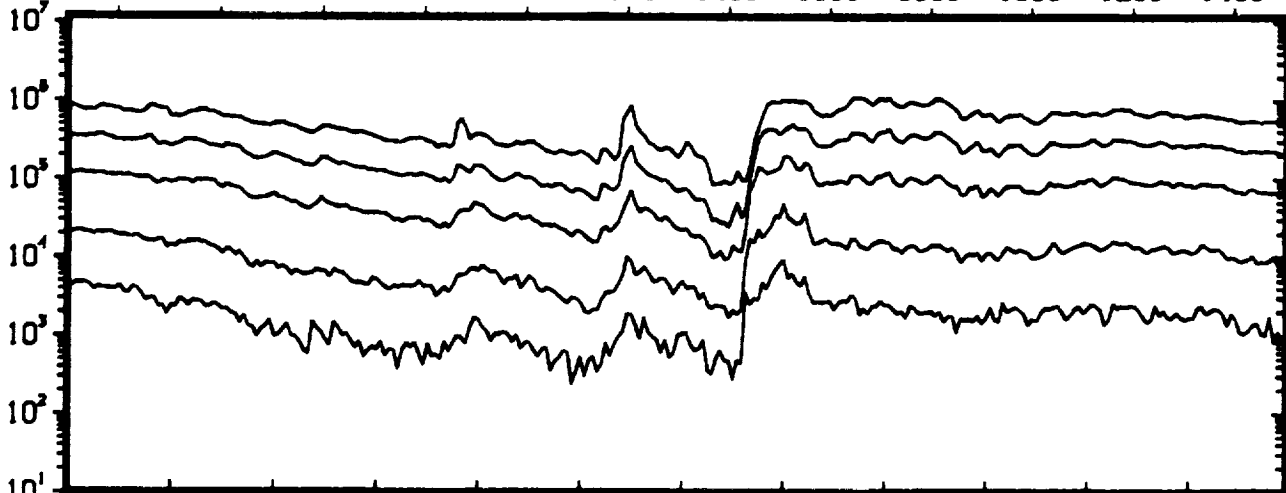
# LOW ENERGY IONS

1977-007 83/02/12  
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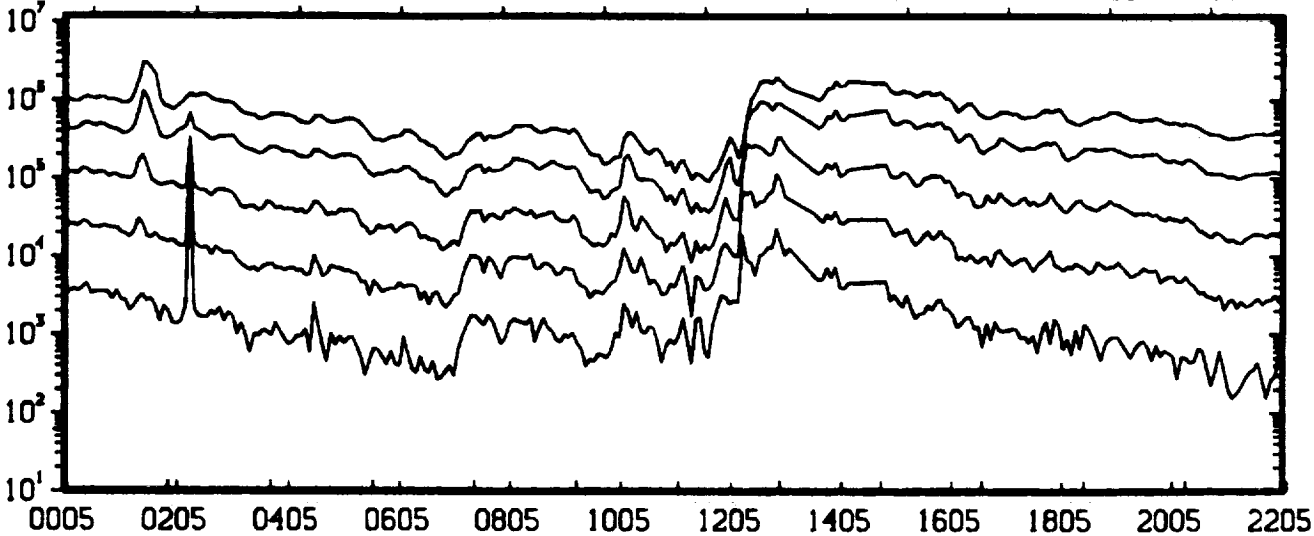


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

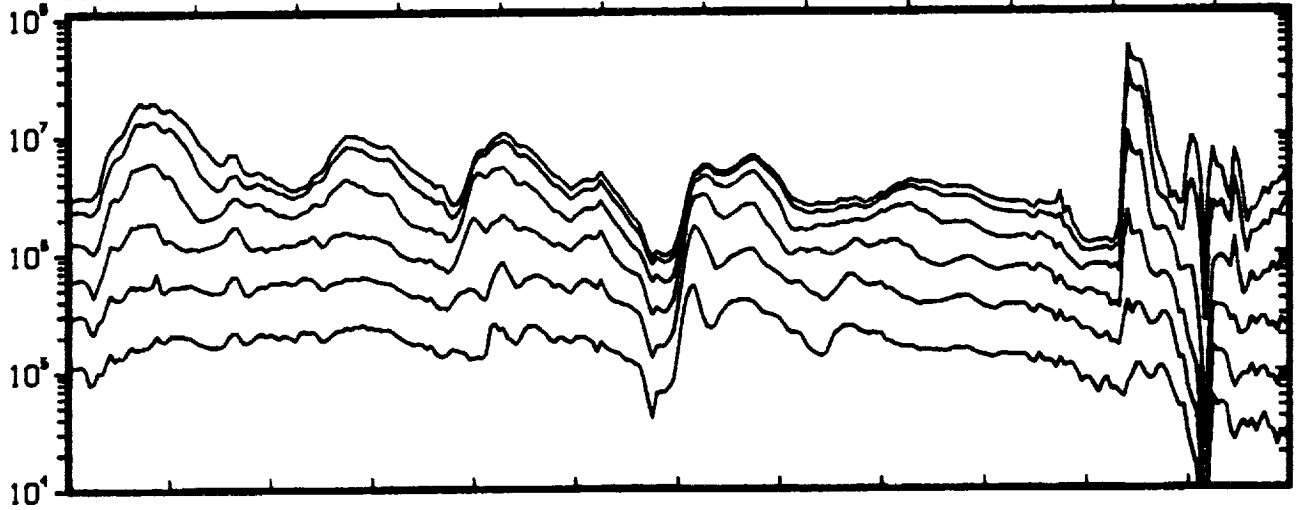


# LOW ENERGY ELECTRONS

1977-007

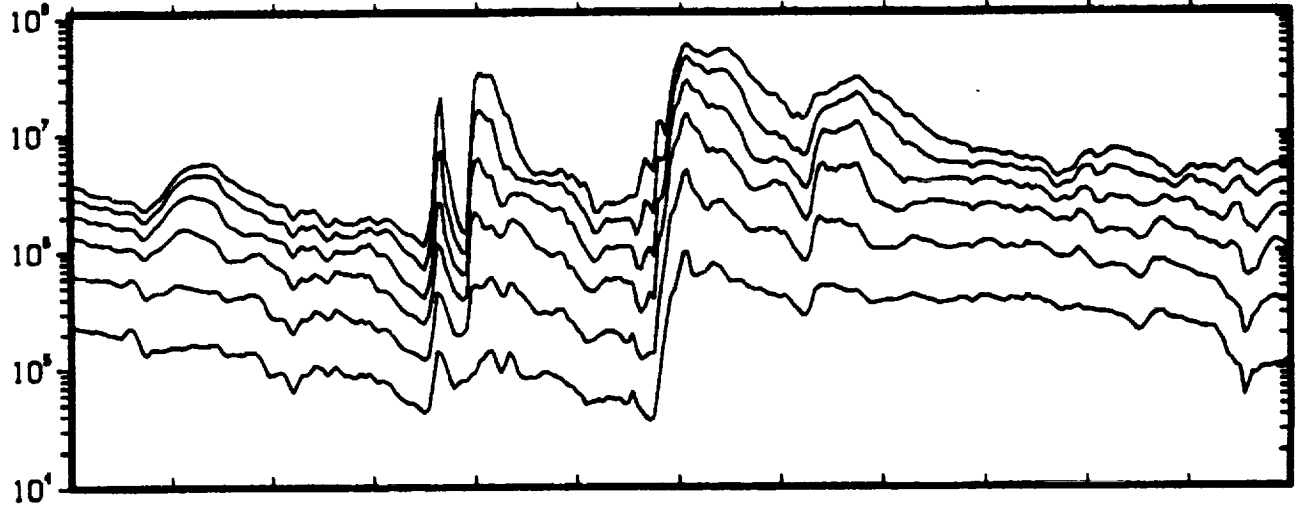
83/02/13

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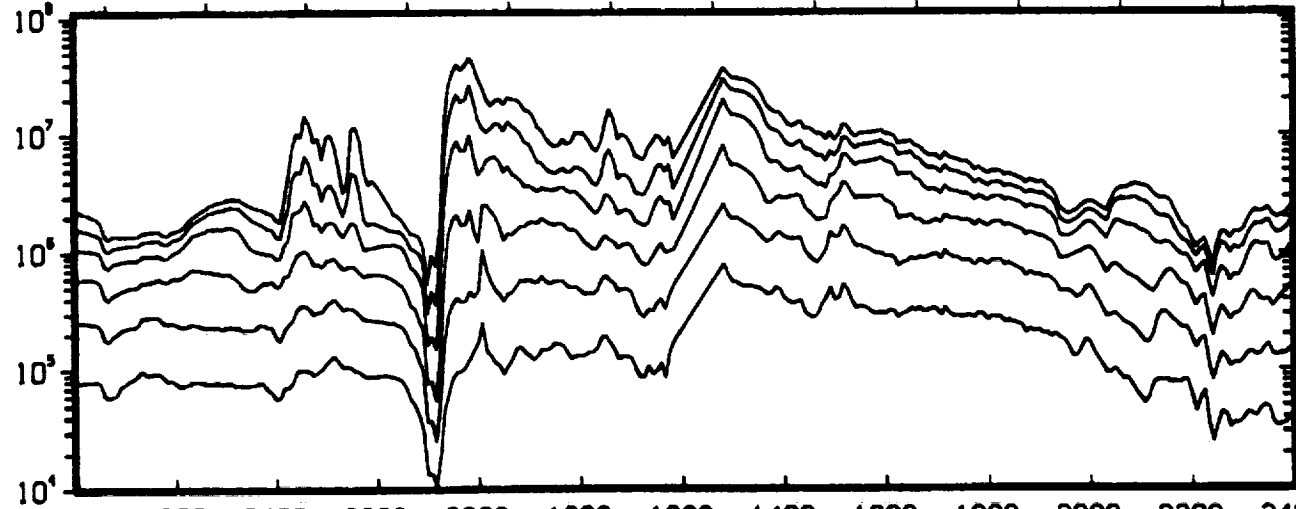
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

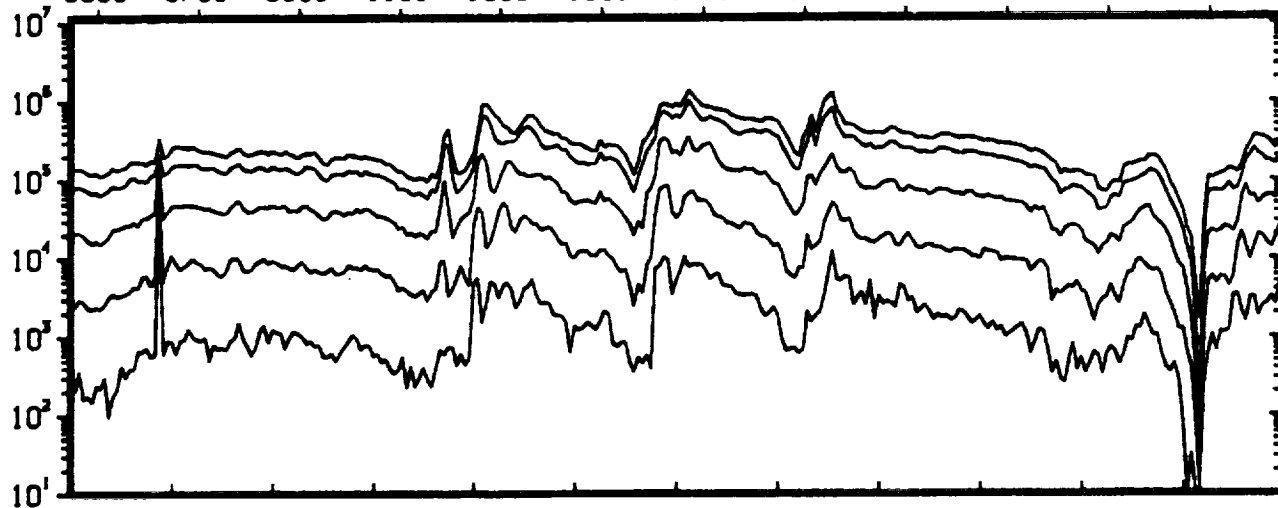


# LOW ENERGY IONS

1977-007

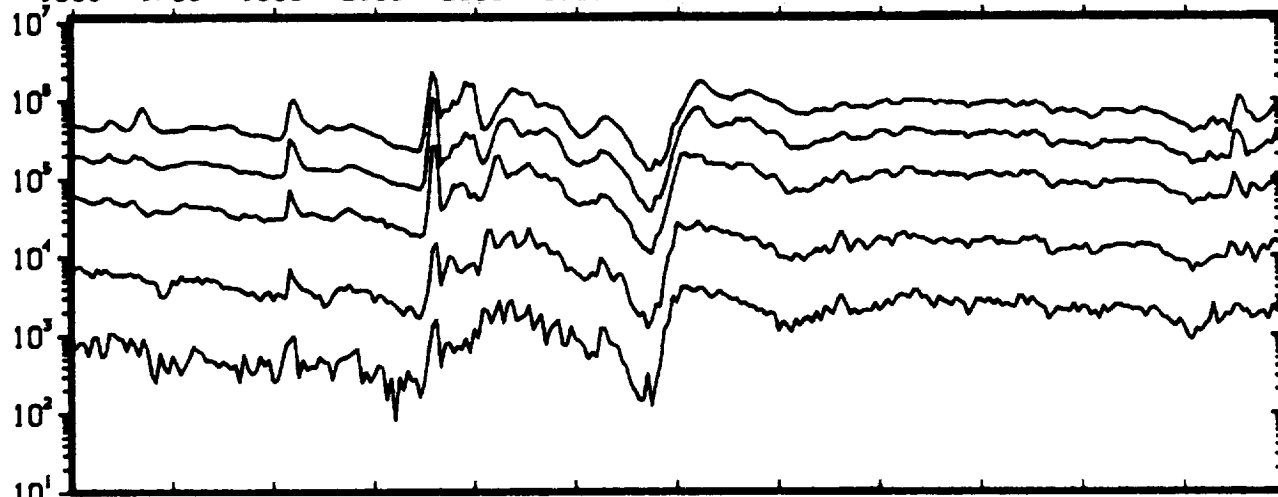
83/02/13

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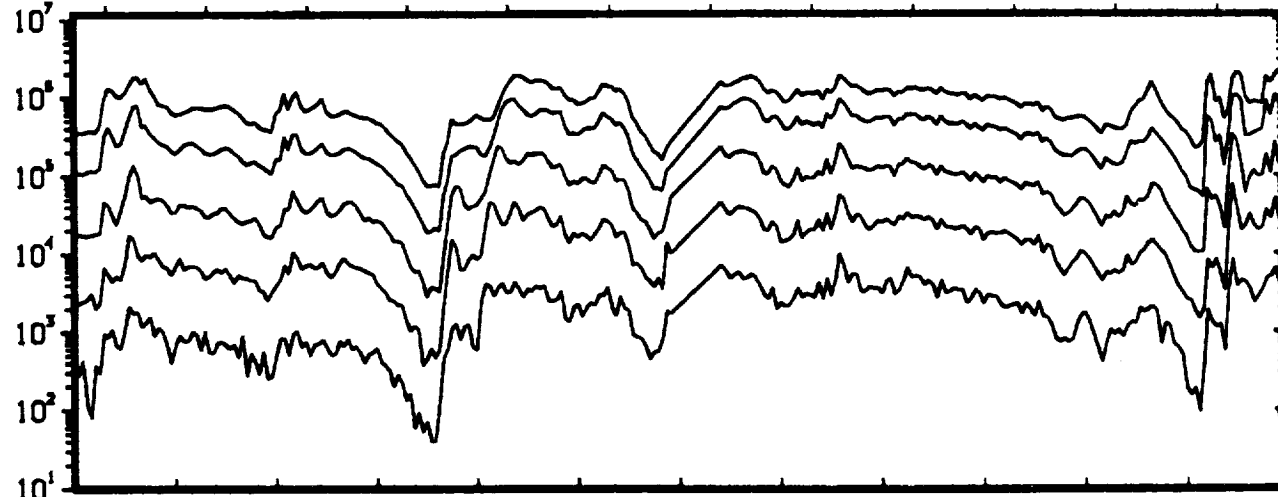
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



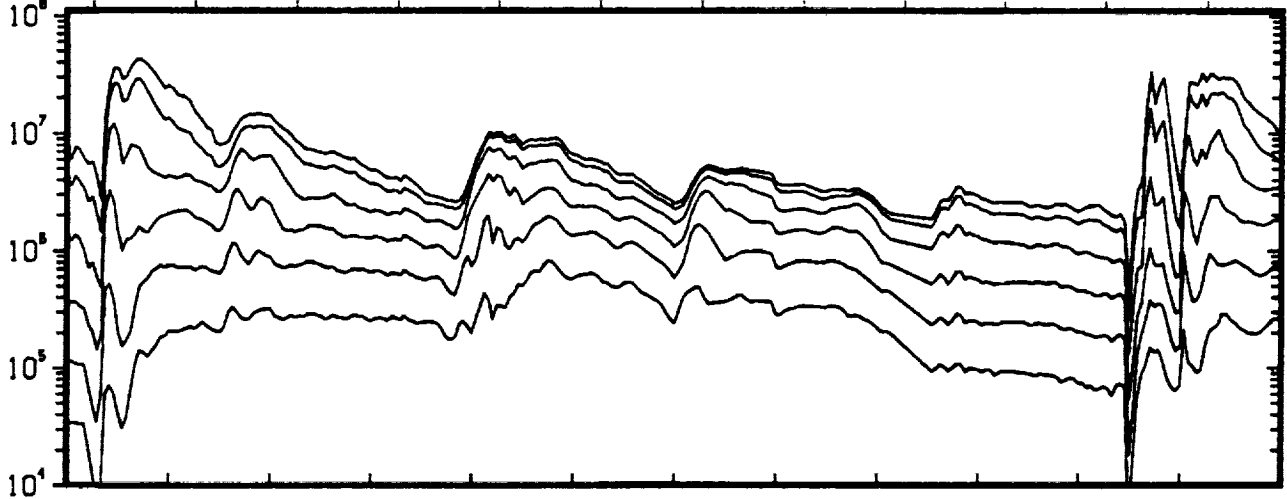
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

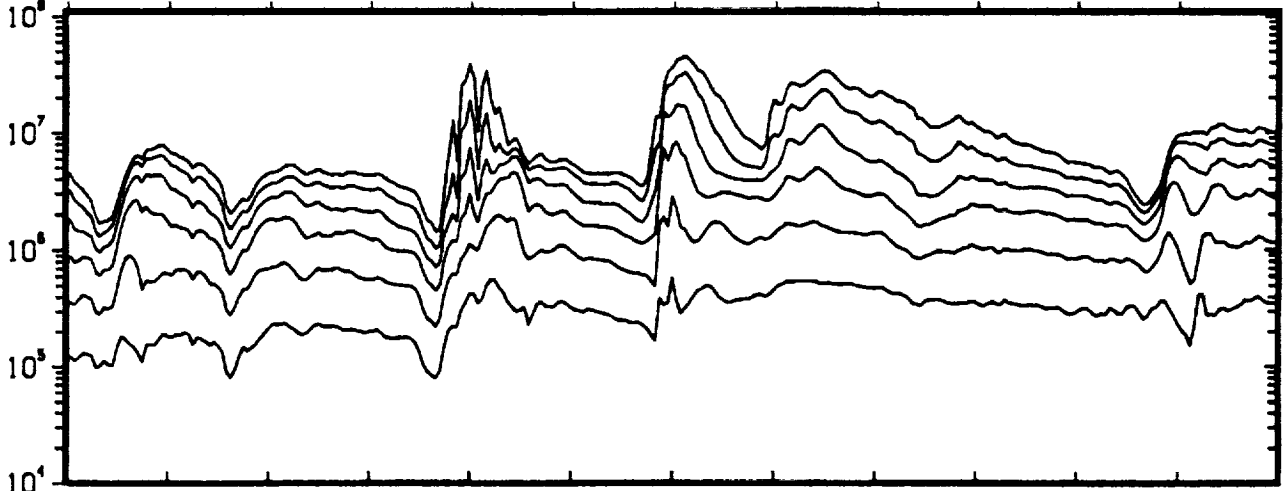
83/02/14

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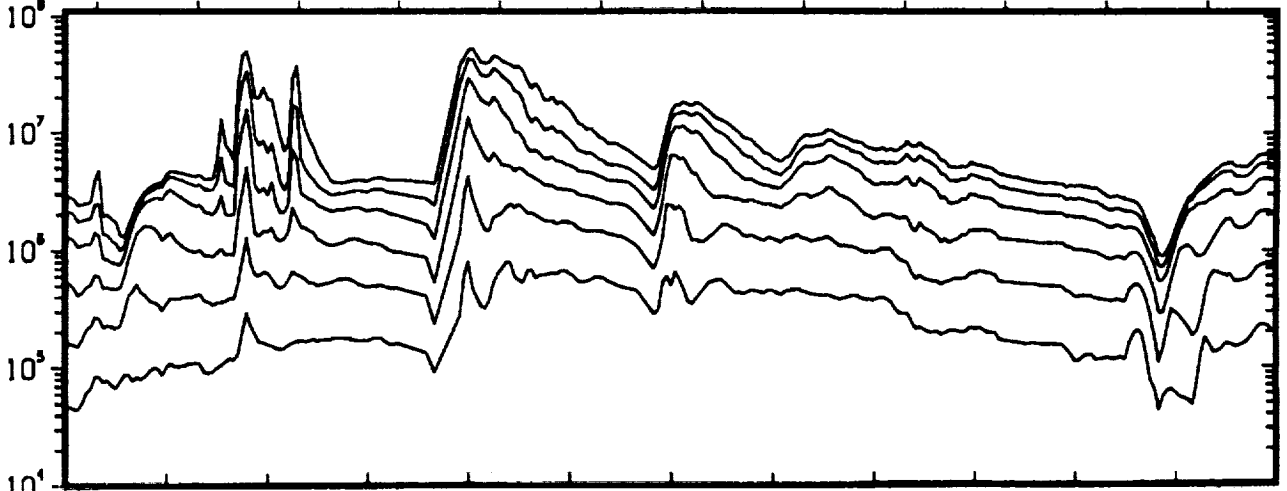
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



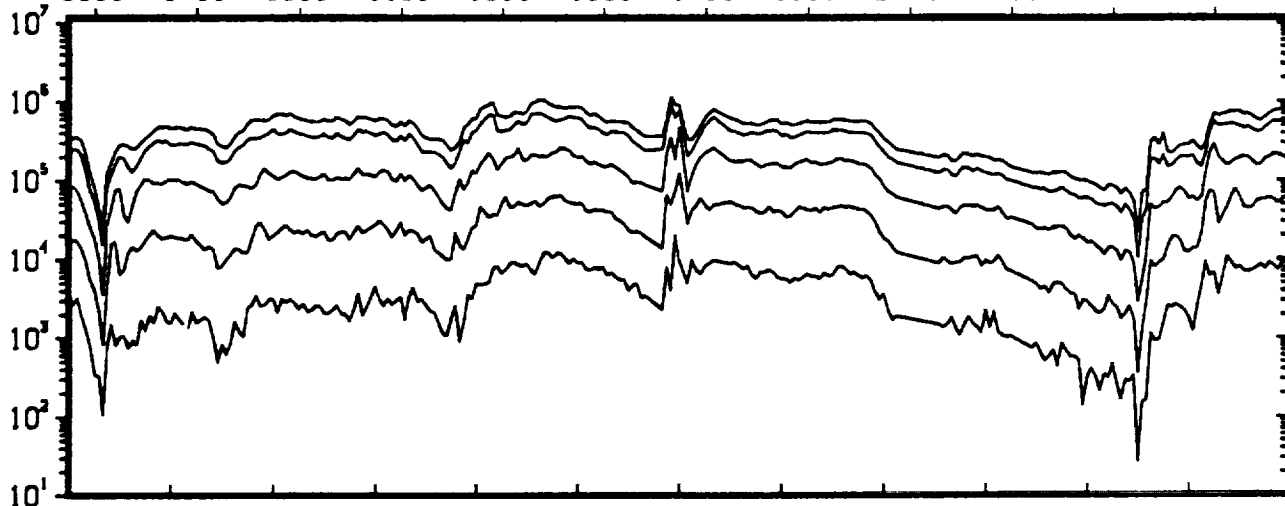
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

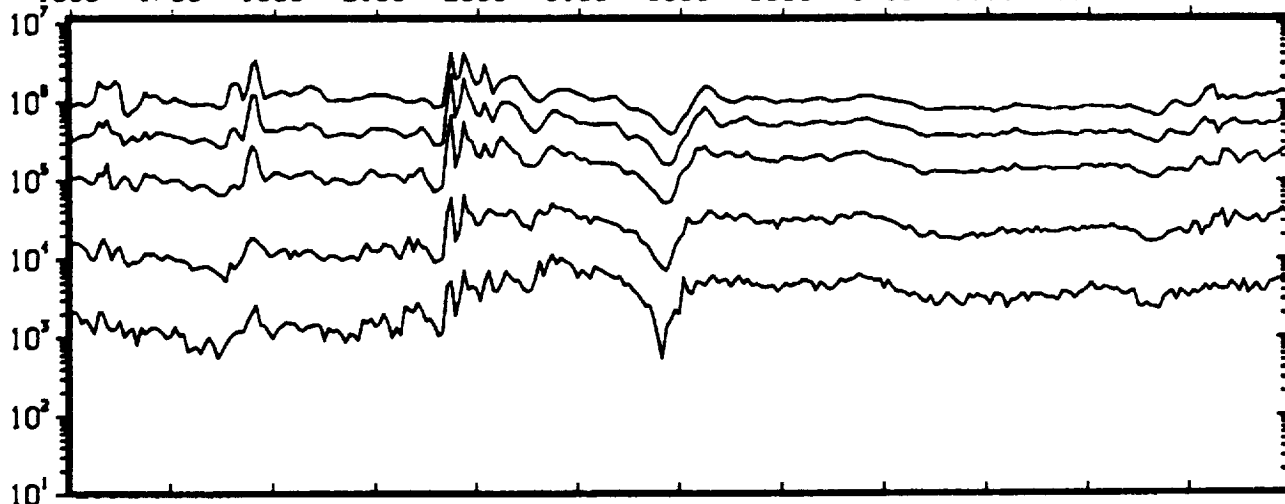
83/02/14

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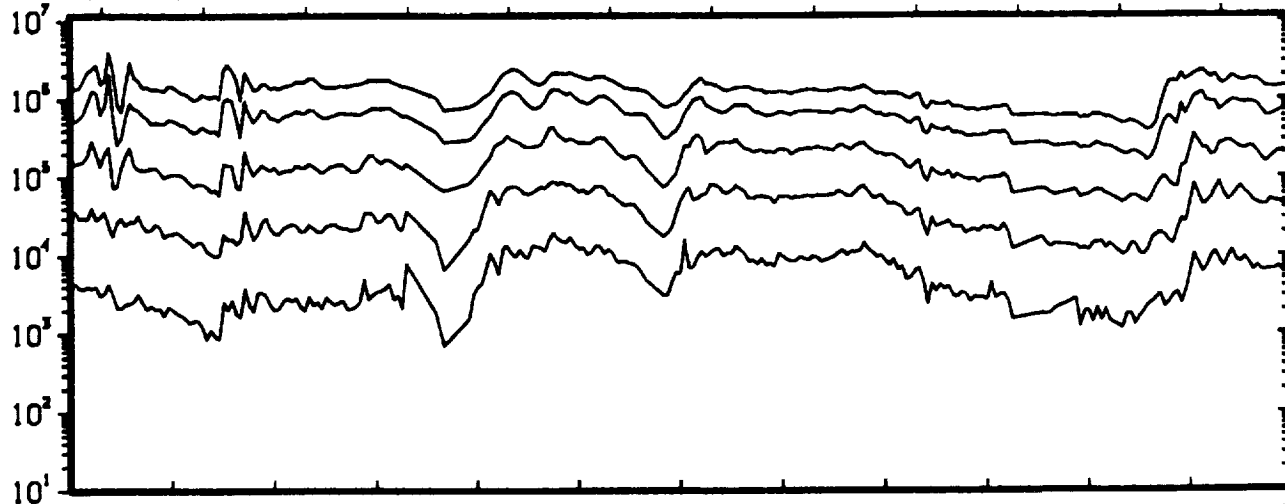
1981-025

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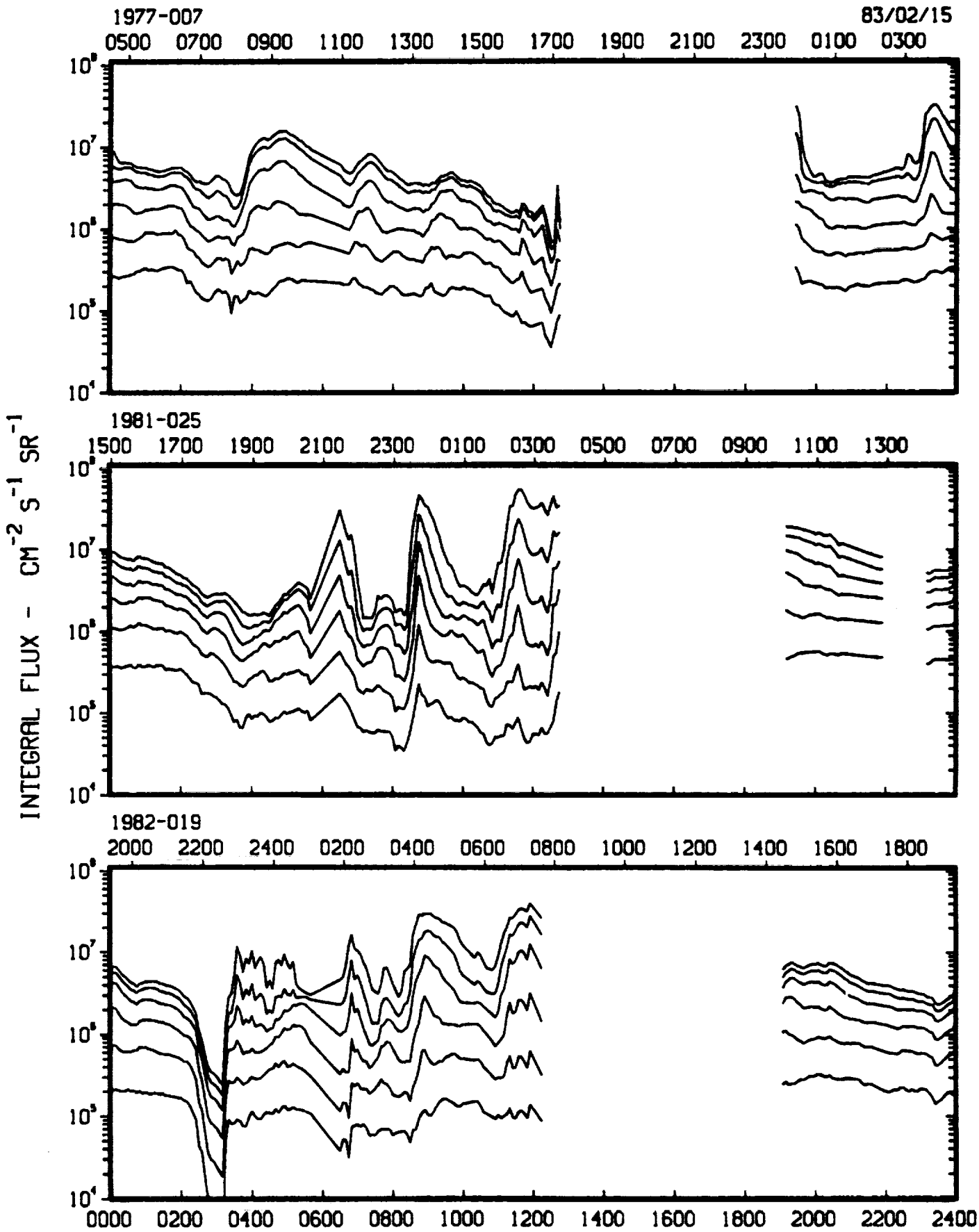
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

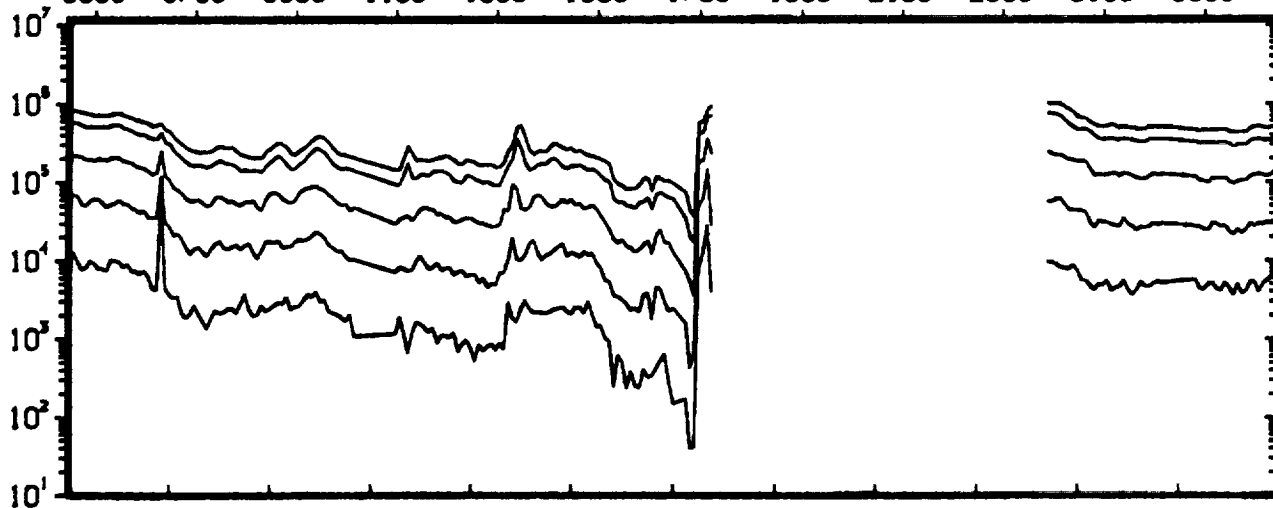


# LOW ENERGY IONS

1977-007

83/02/15

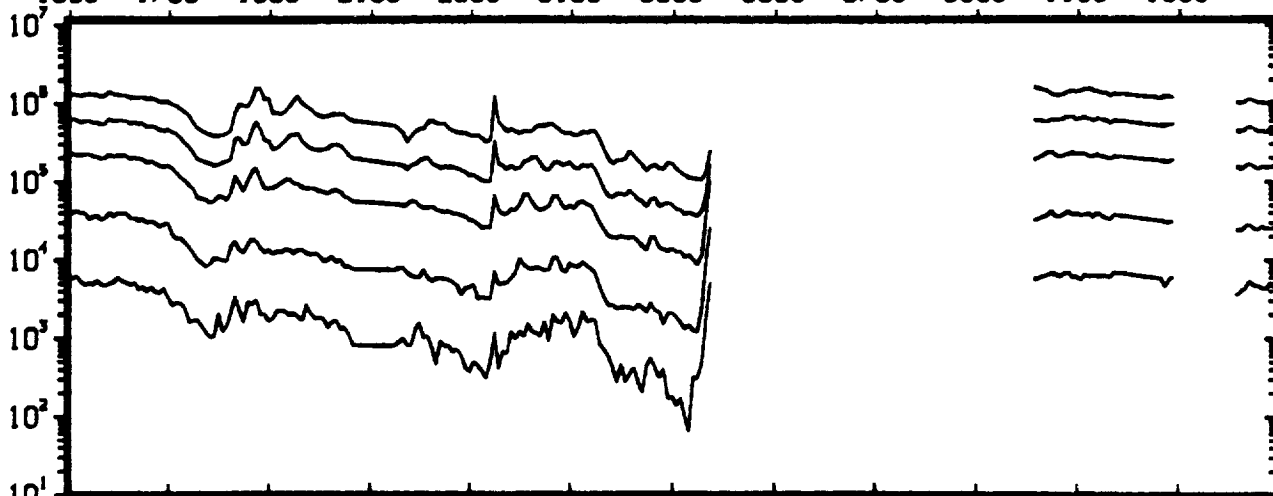
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

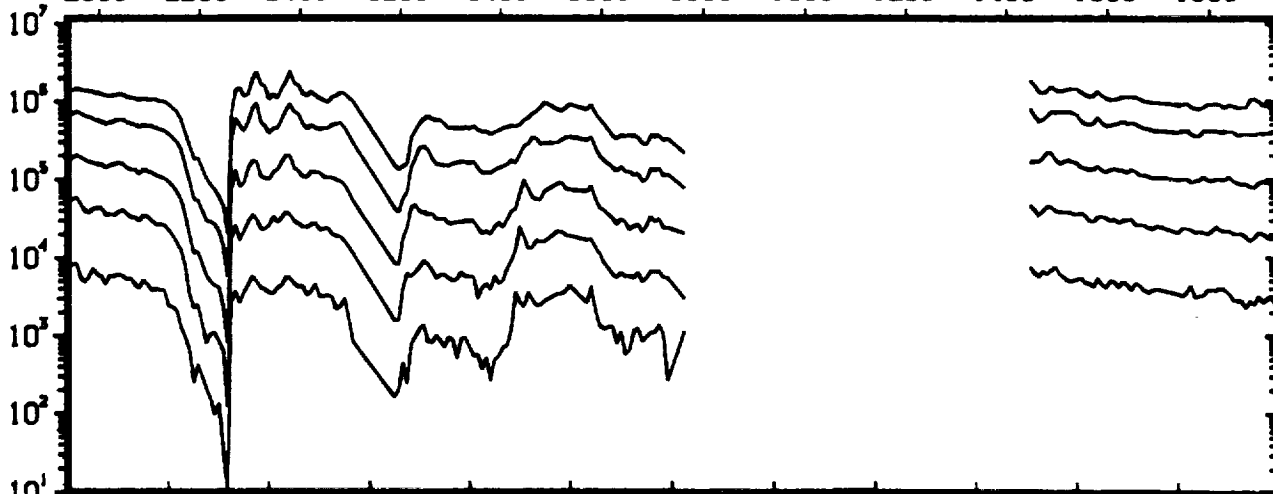
1981-025

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1982-019

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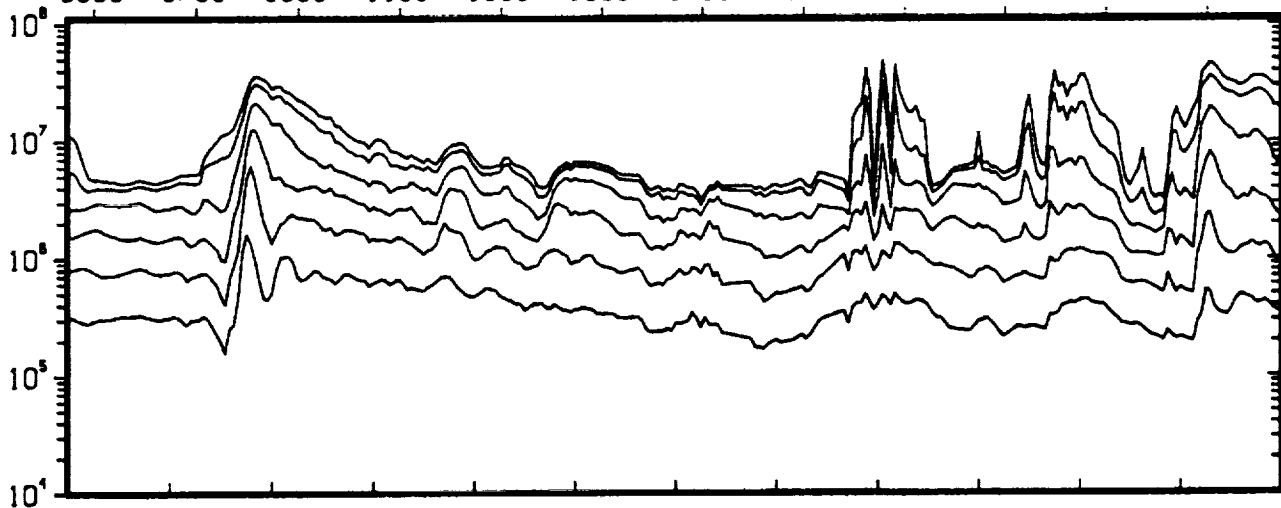
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# LOW ENERGY ELECTRONS

1977-007

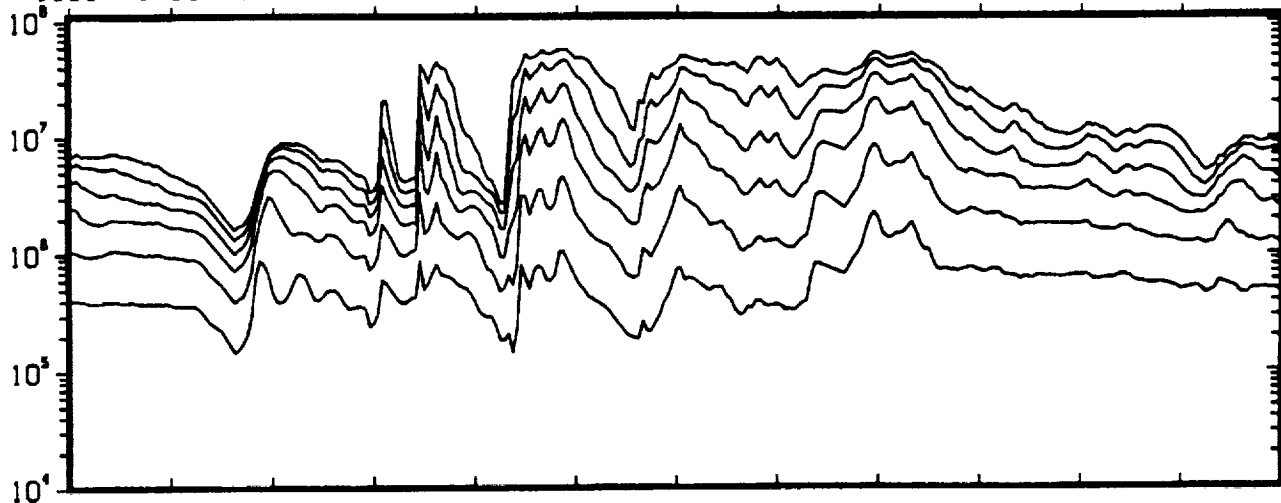
83/02/16

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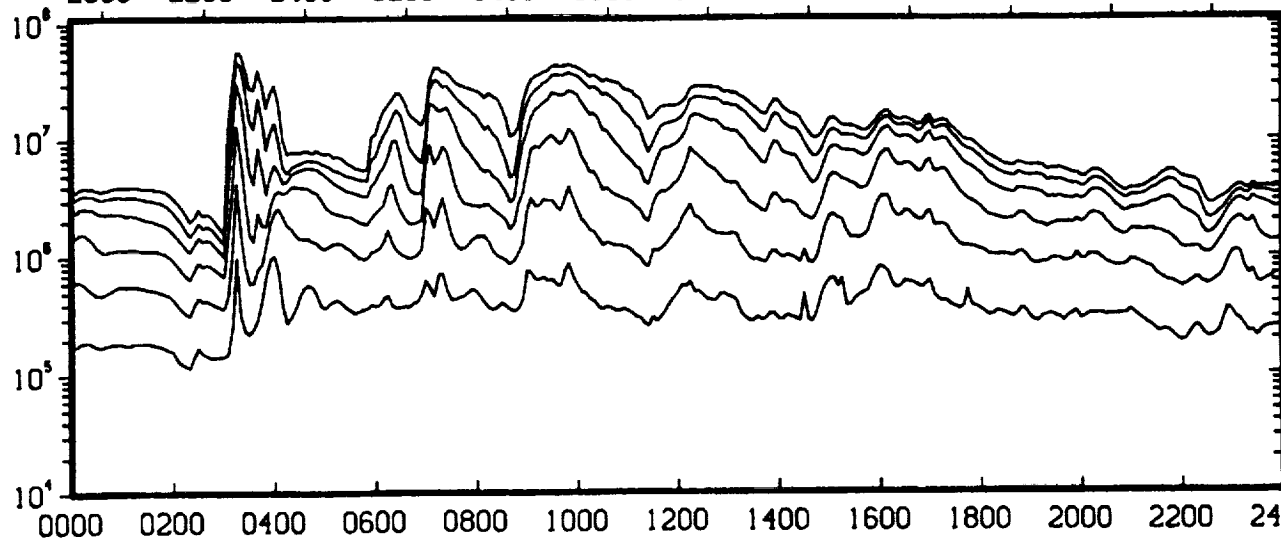
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



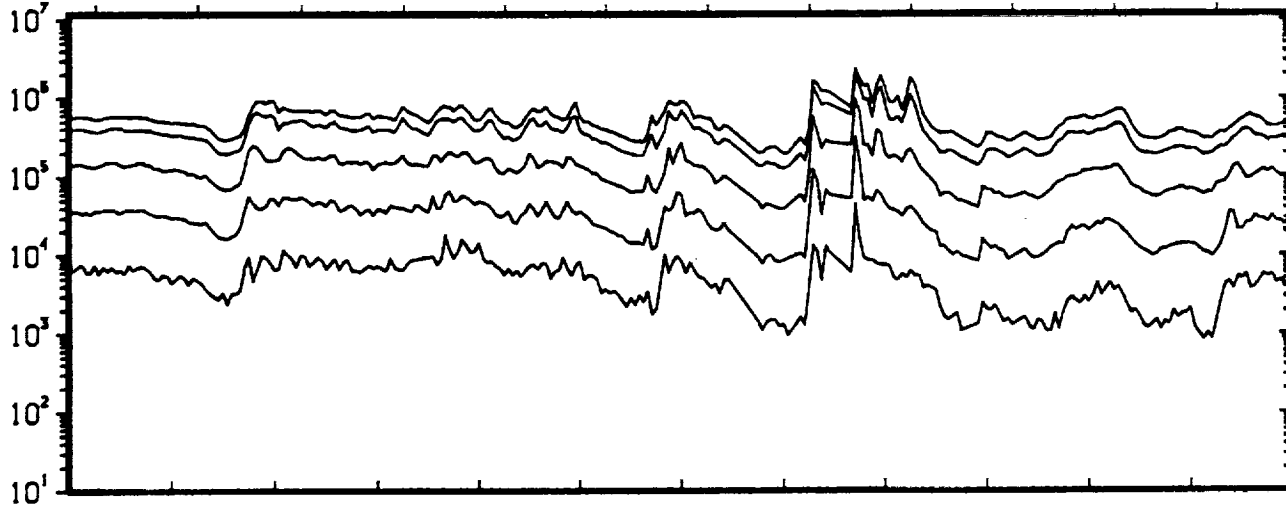
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

LOW ENERGY IONS

1977-007

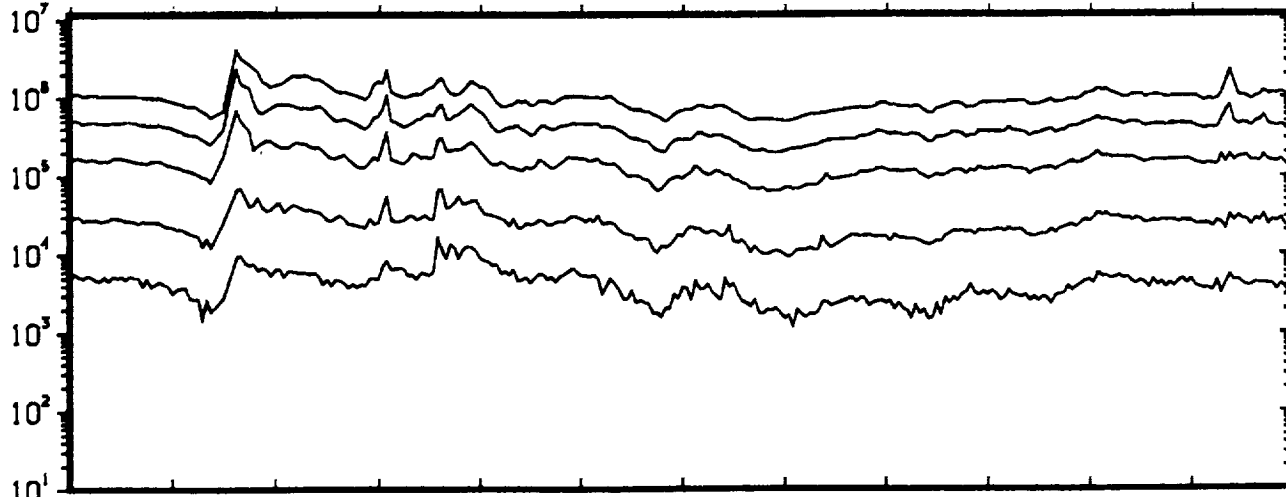
83/02/16

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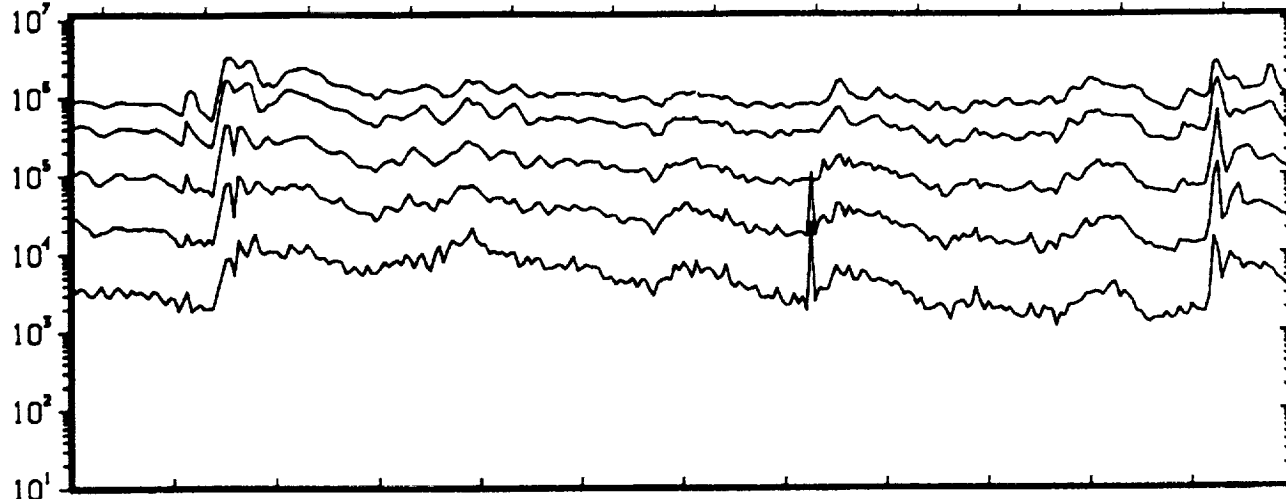
1981-025

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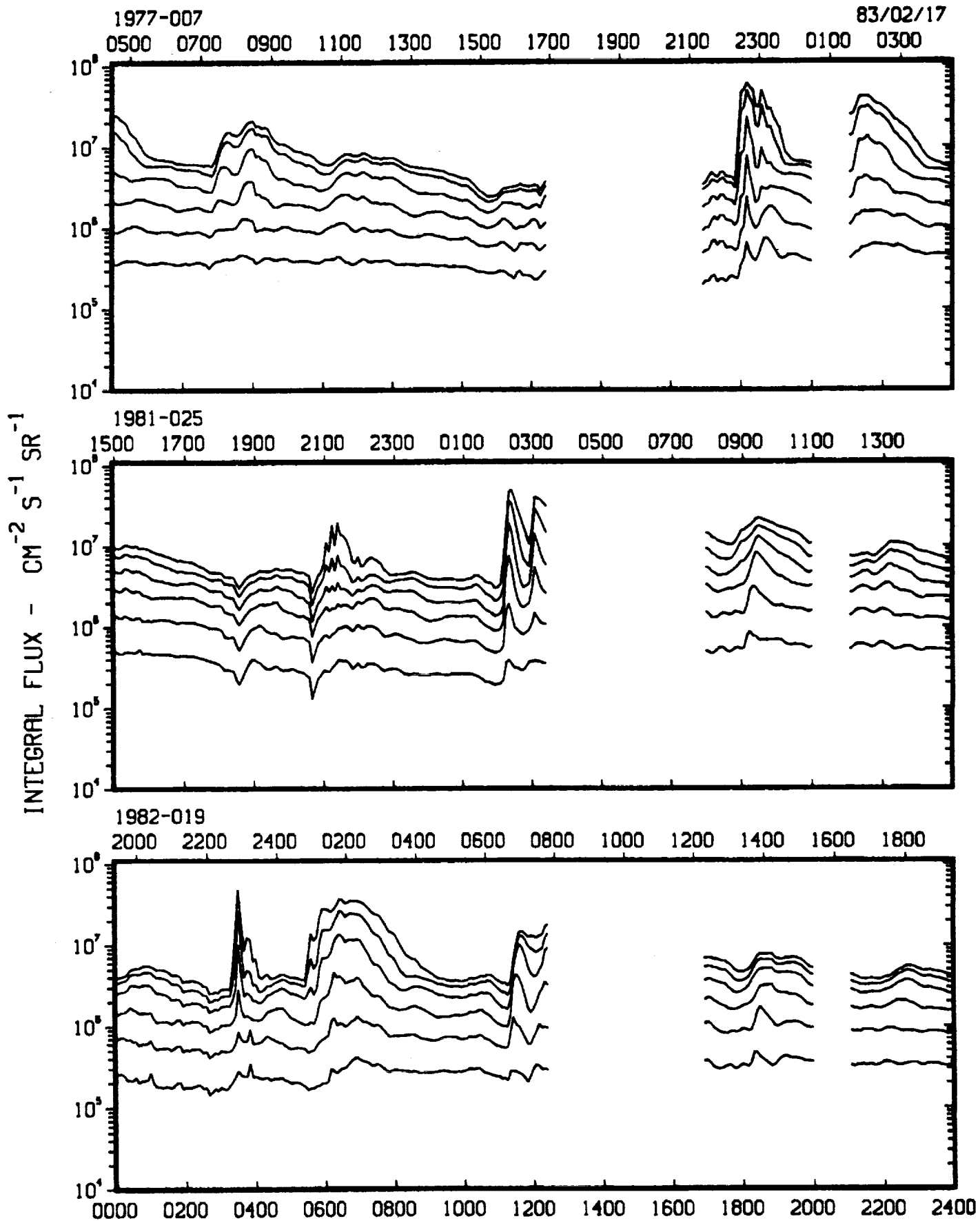
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS



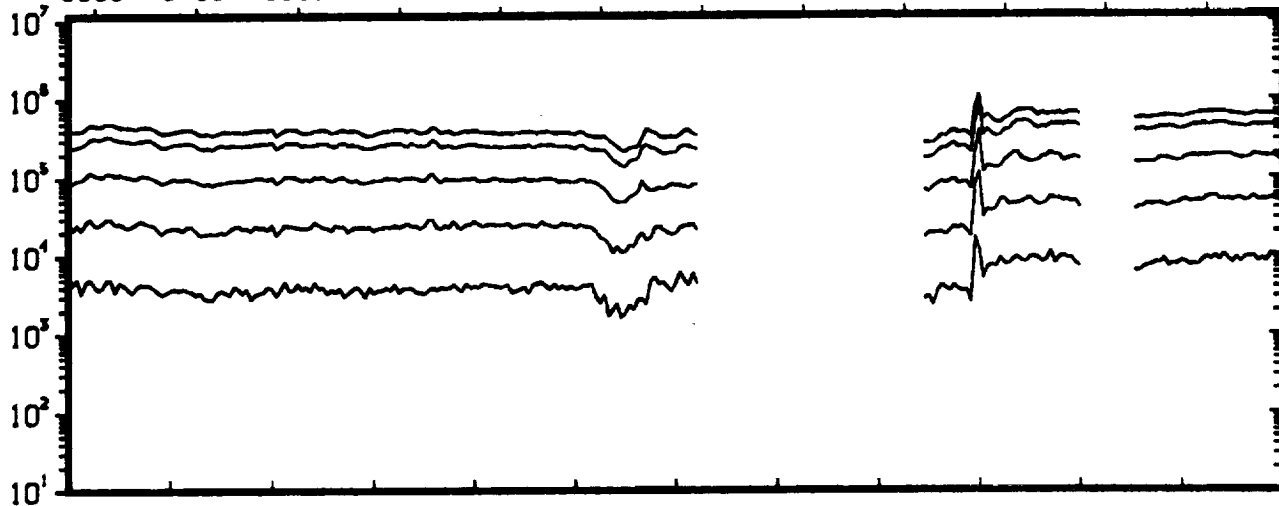


# LOW ENERGY IONS

1977-007

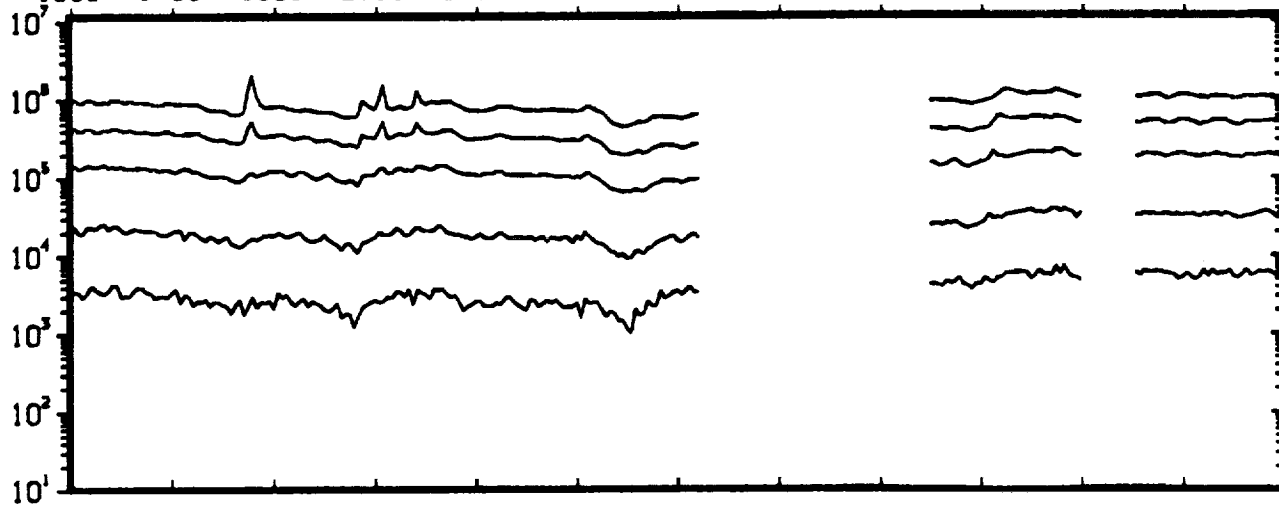
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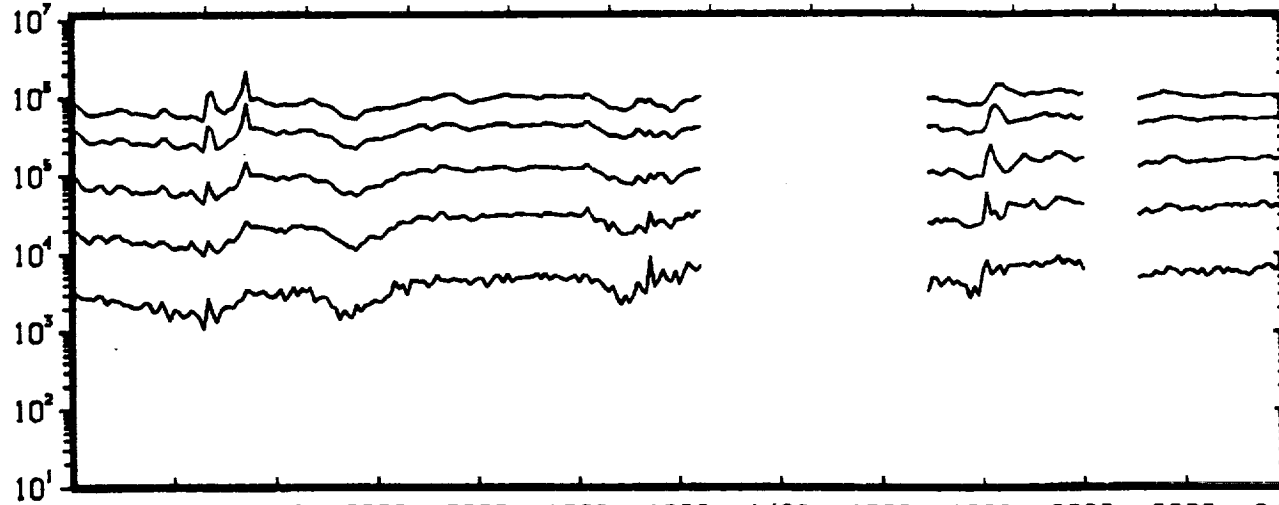
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



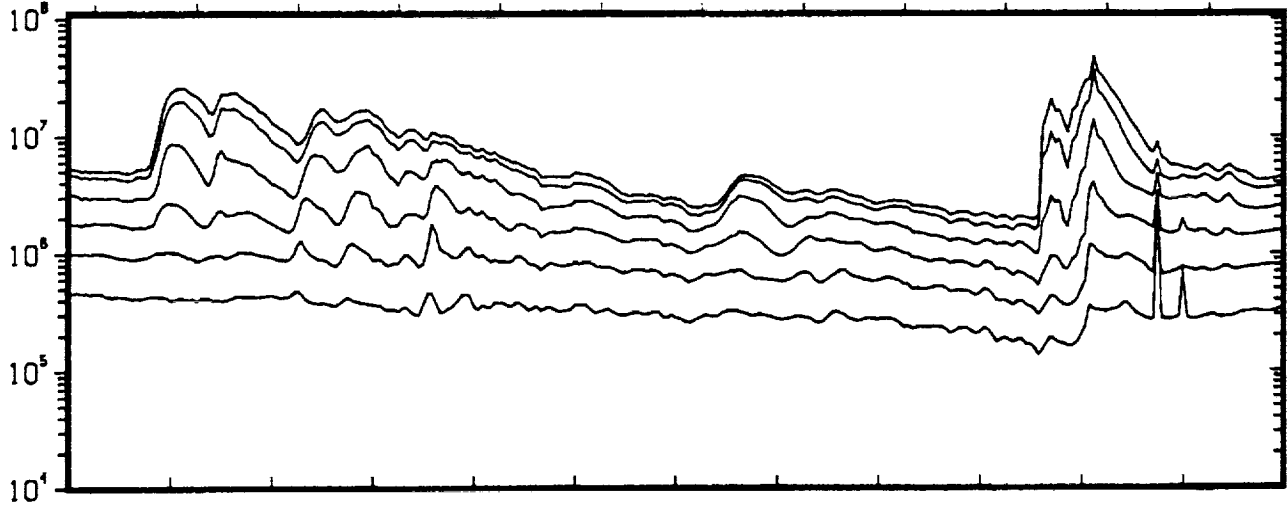
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

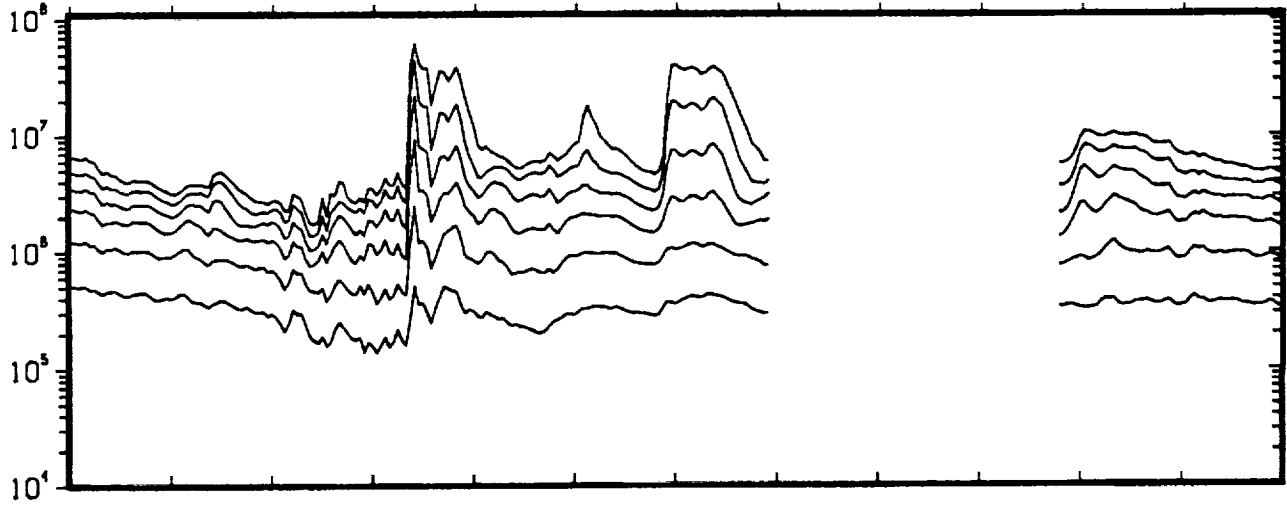
83/02/18

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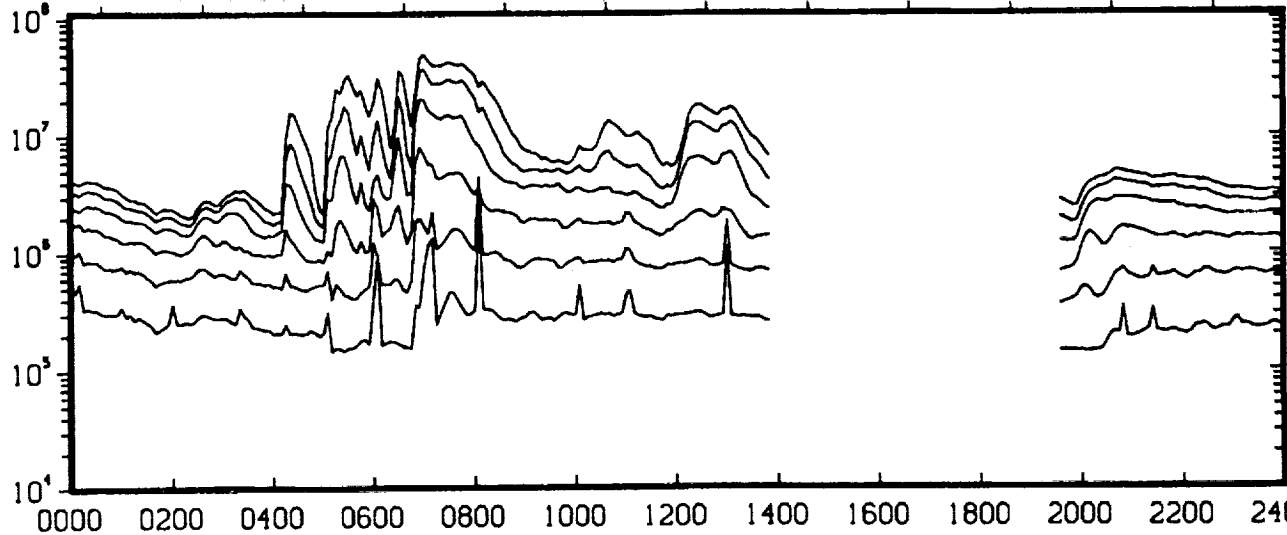
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



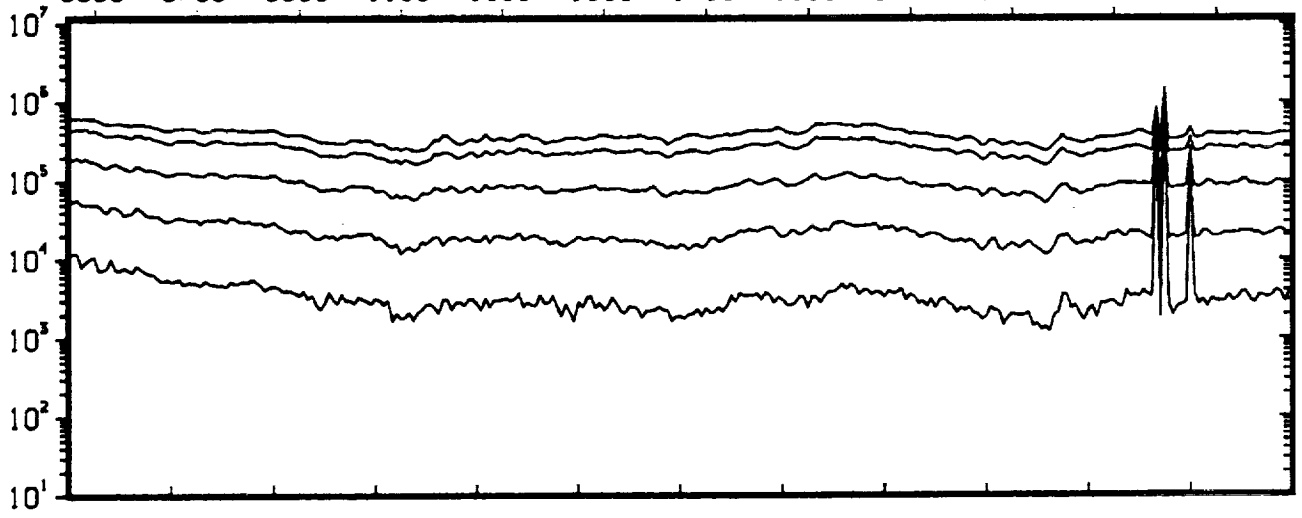
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

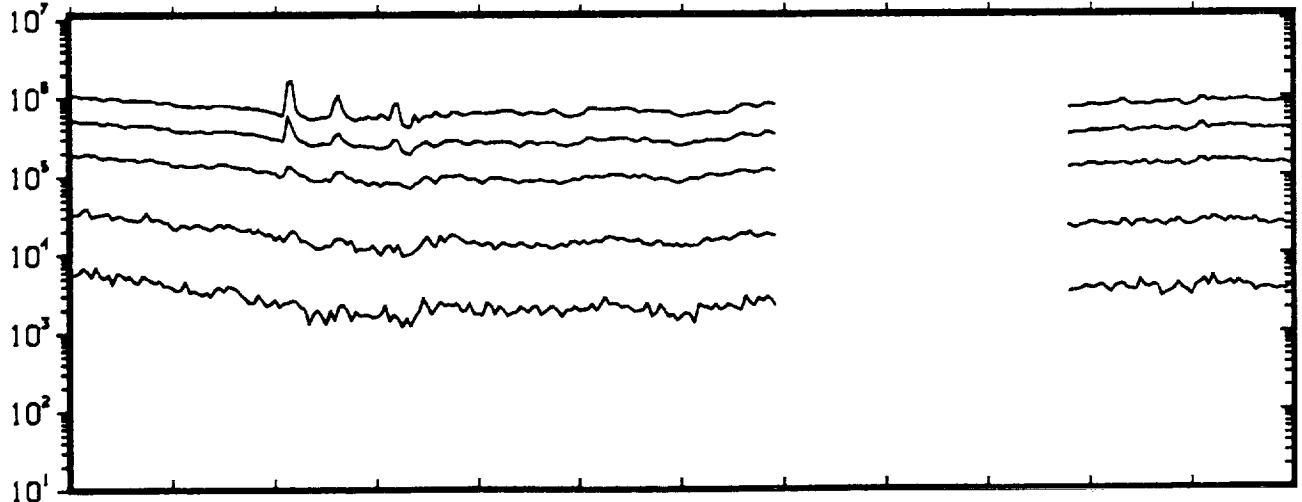
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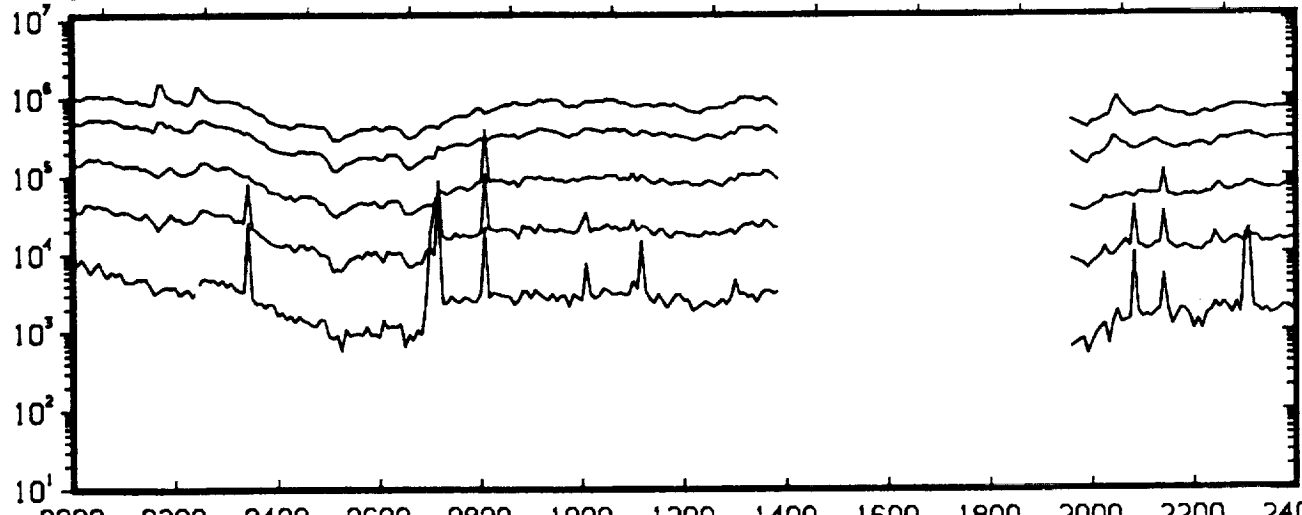
1981-025

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1982-019

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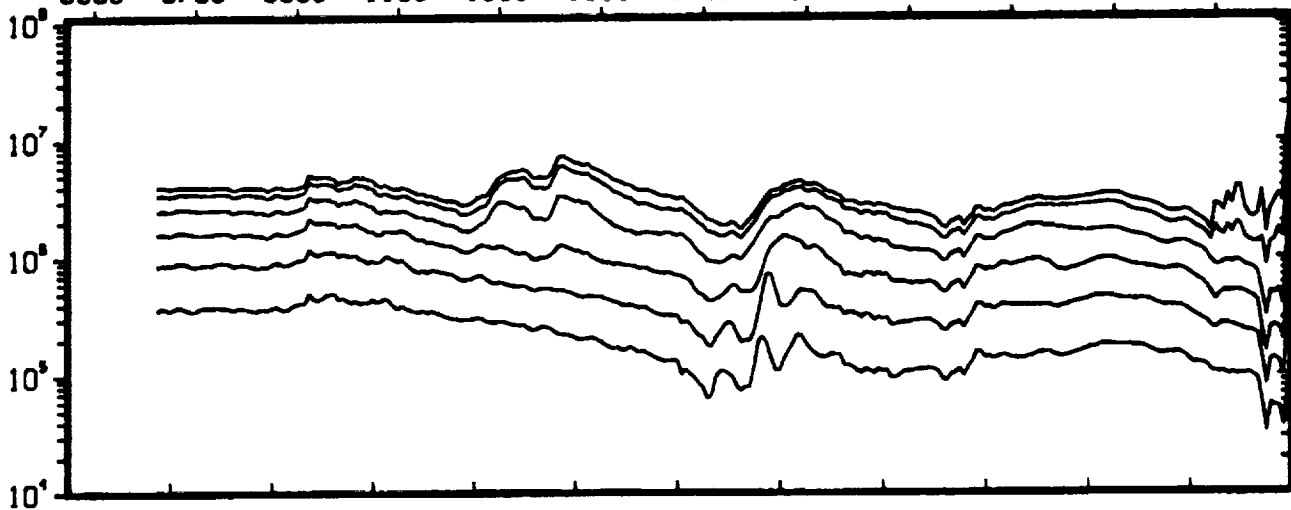
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

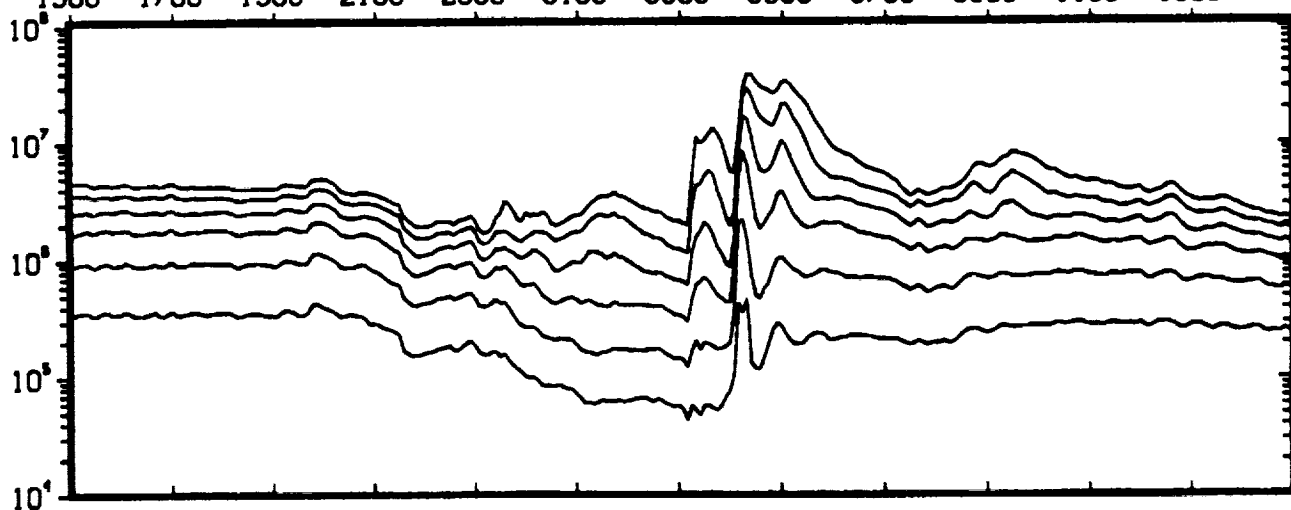
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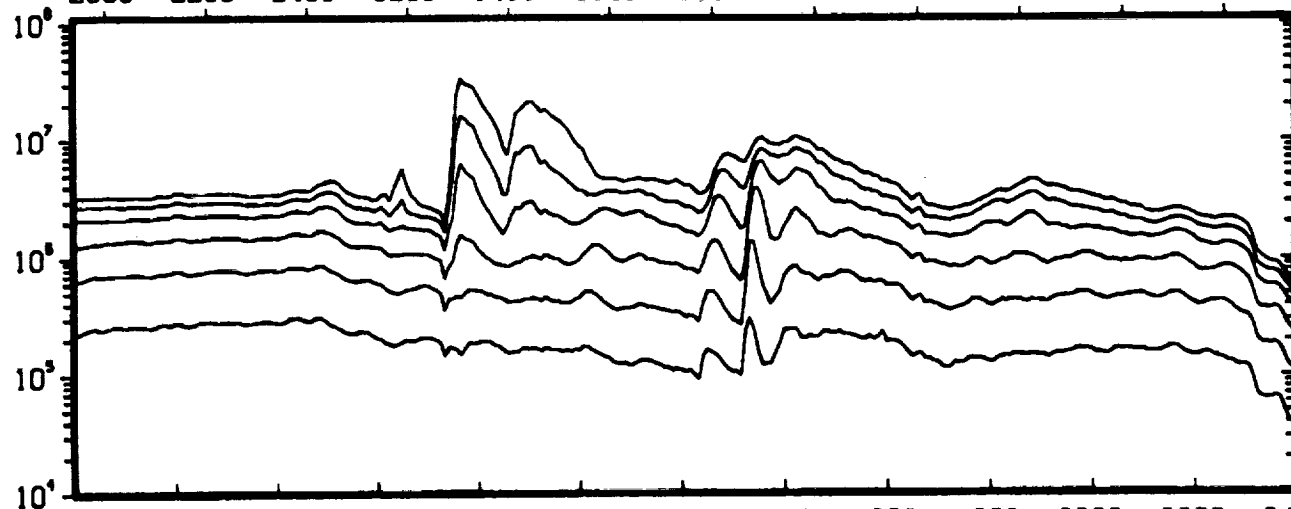
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



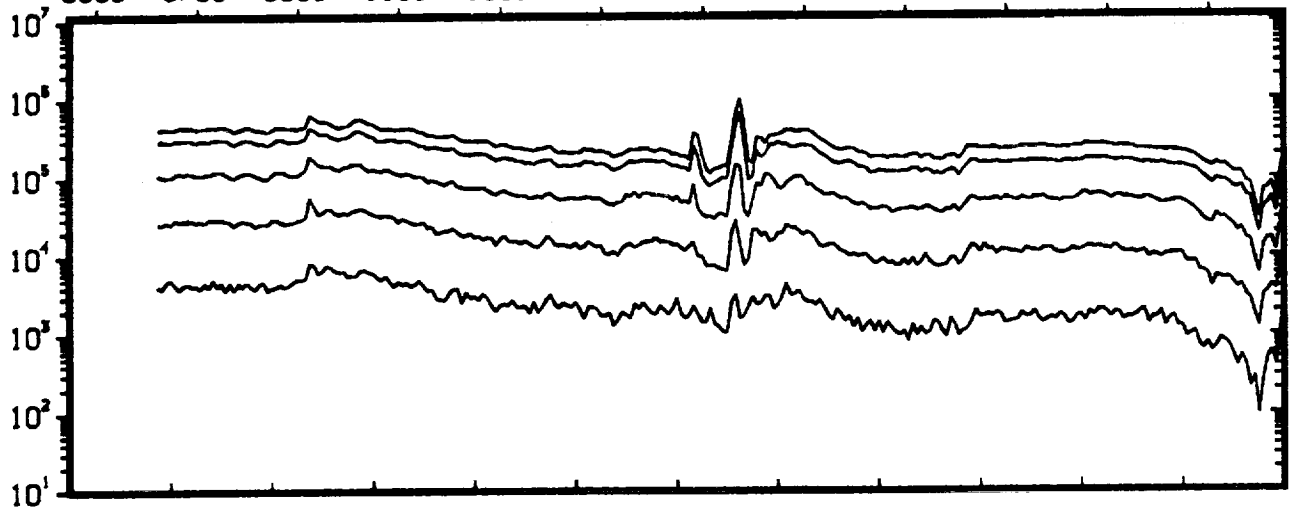
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

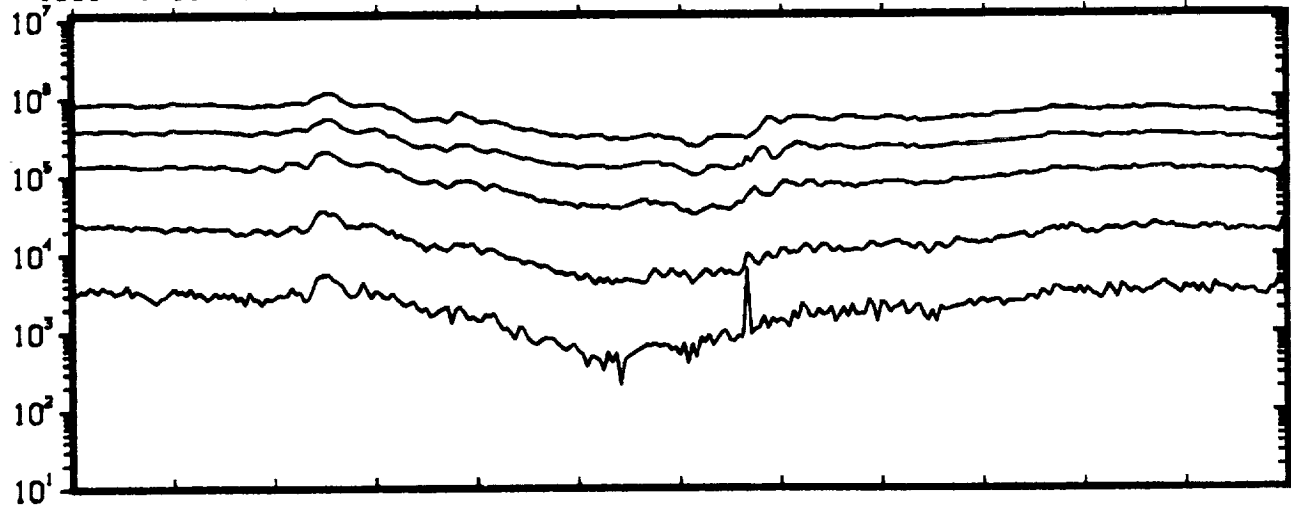
83/02/19

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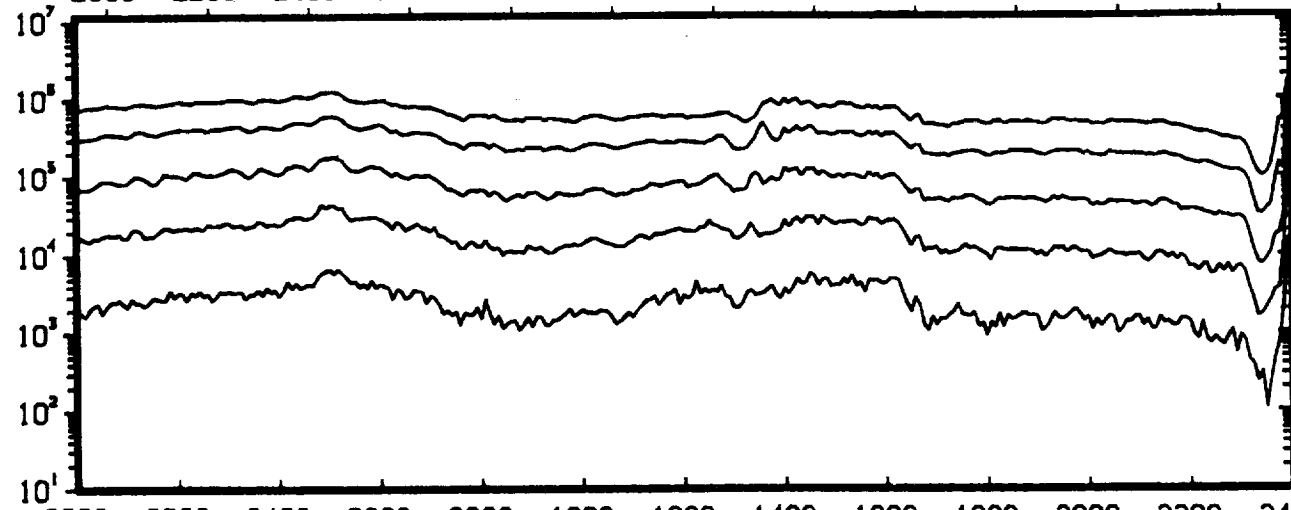
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



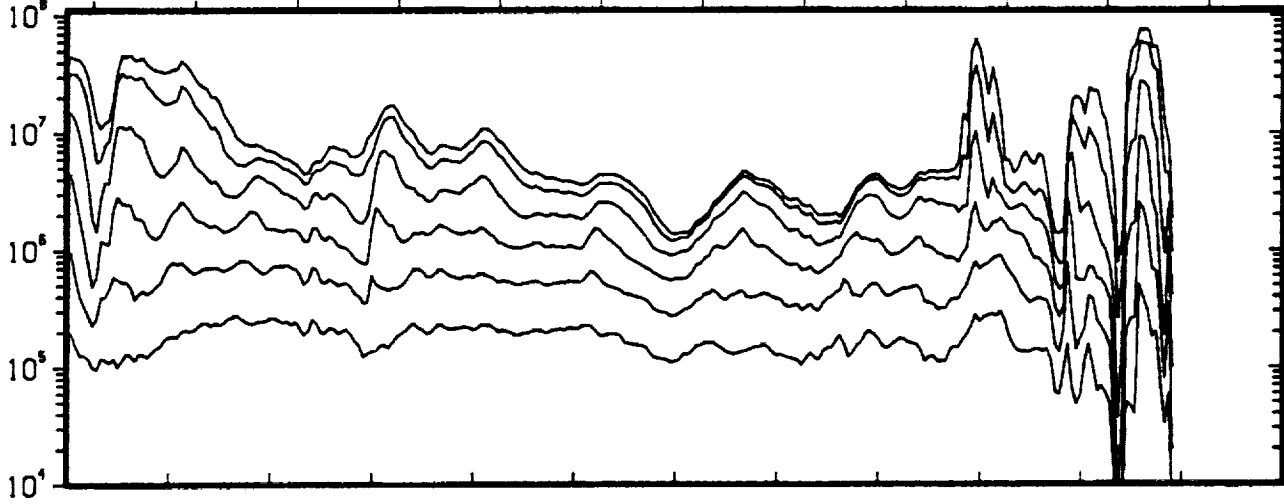
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

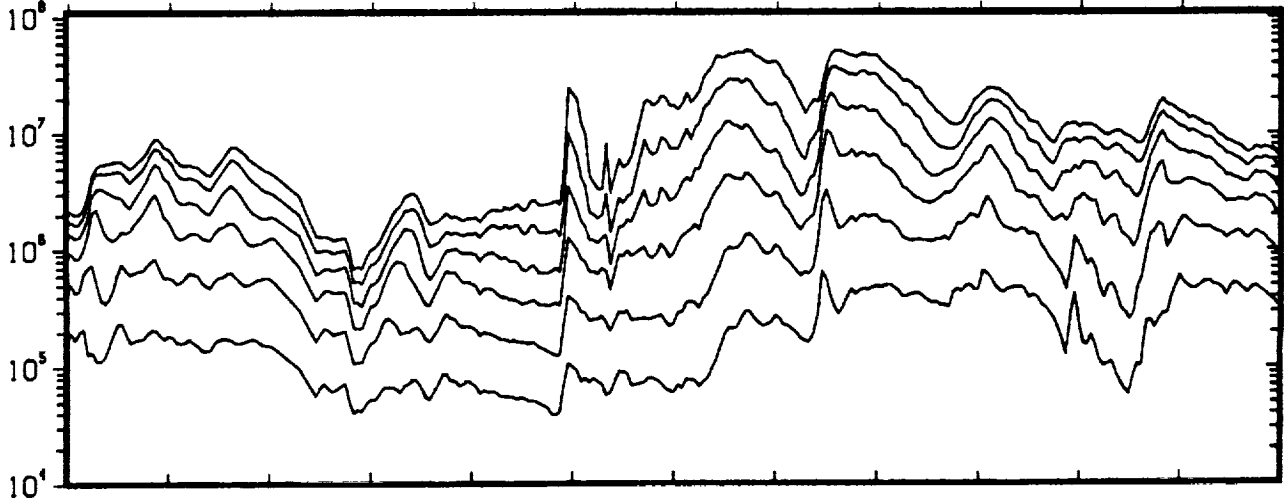
83/02/20

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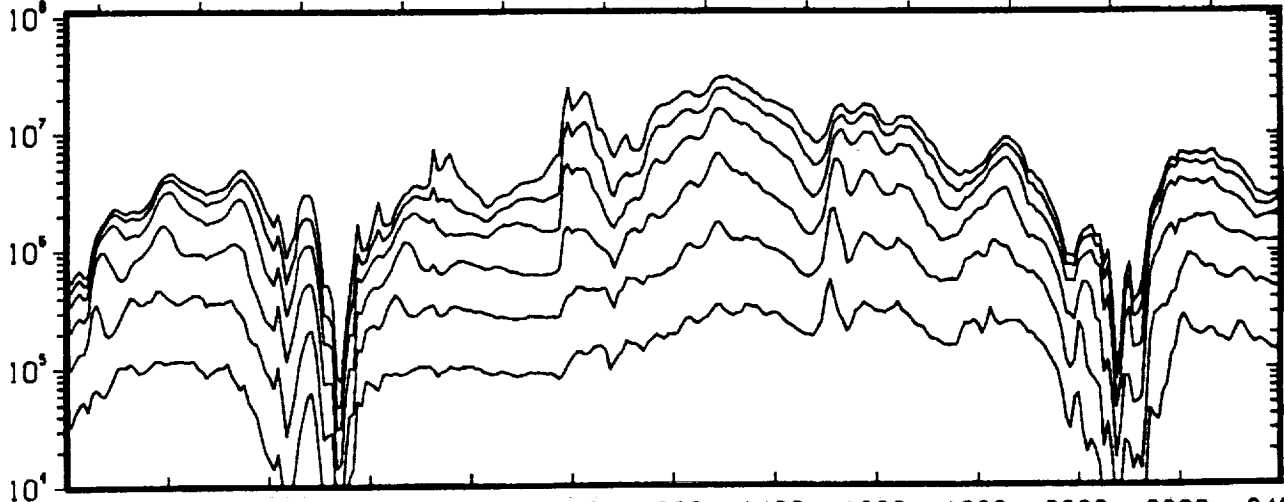
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



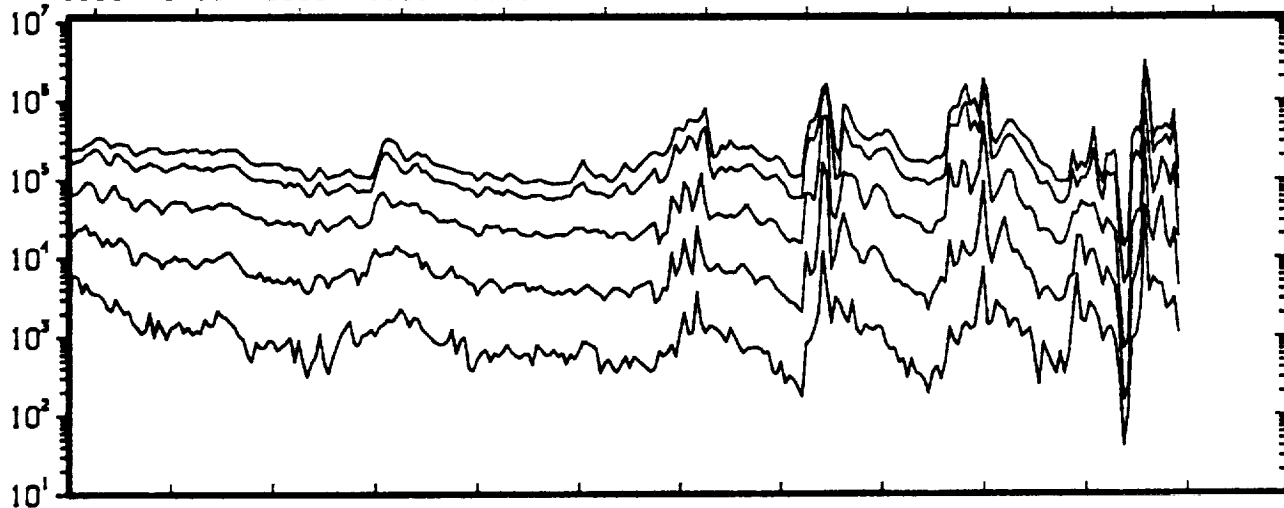
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

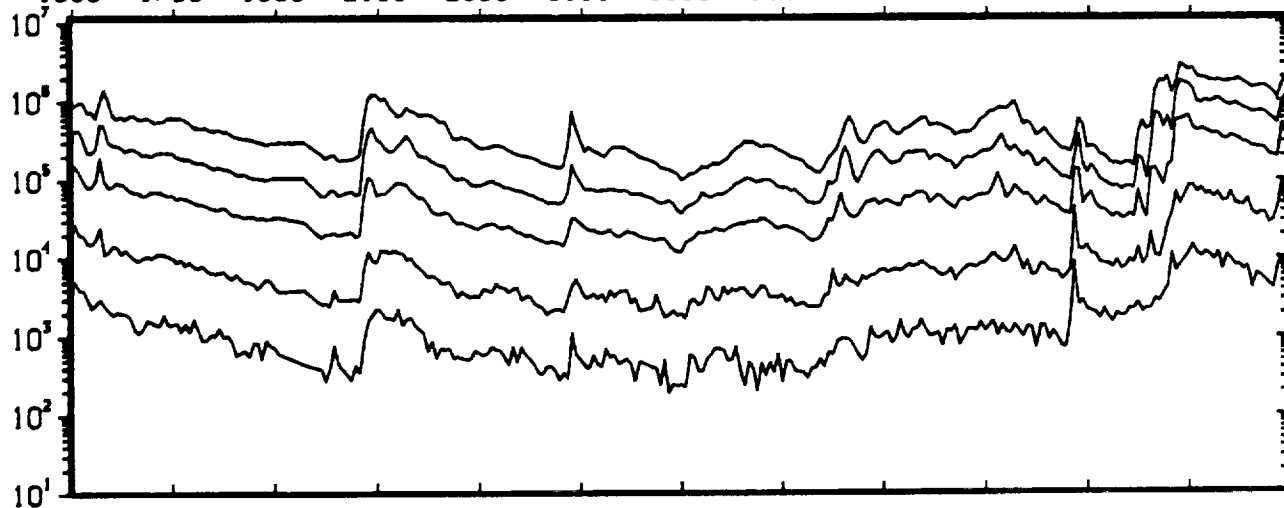
83/02/20

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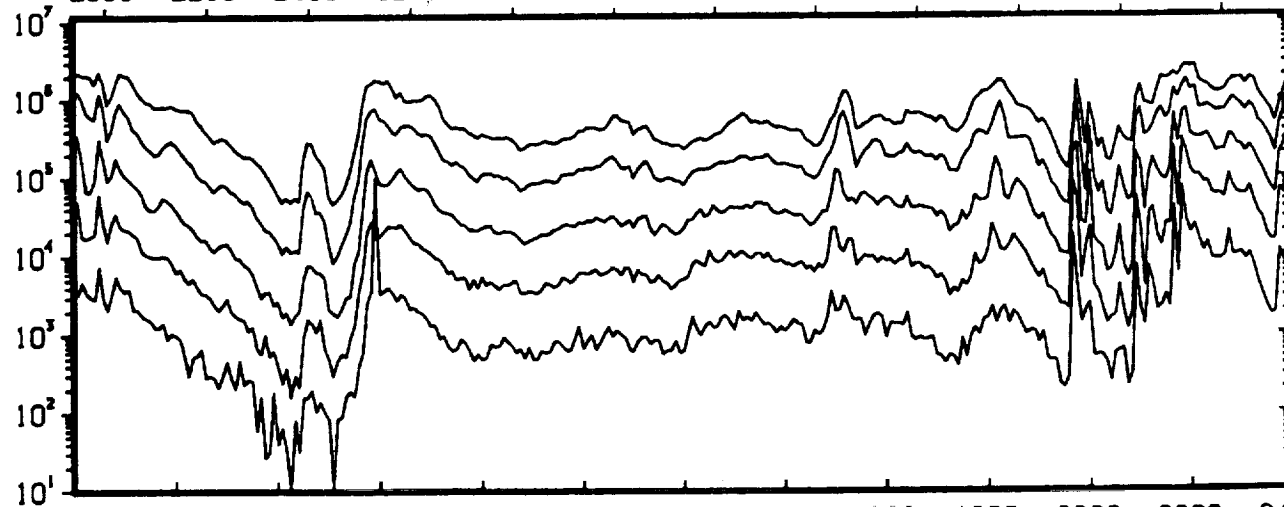
1981-025

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1982-019

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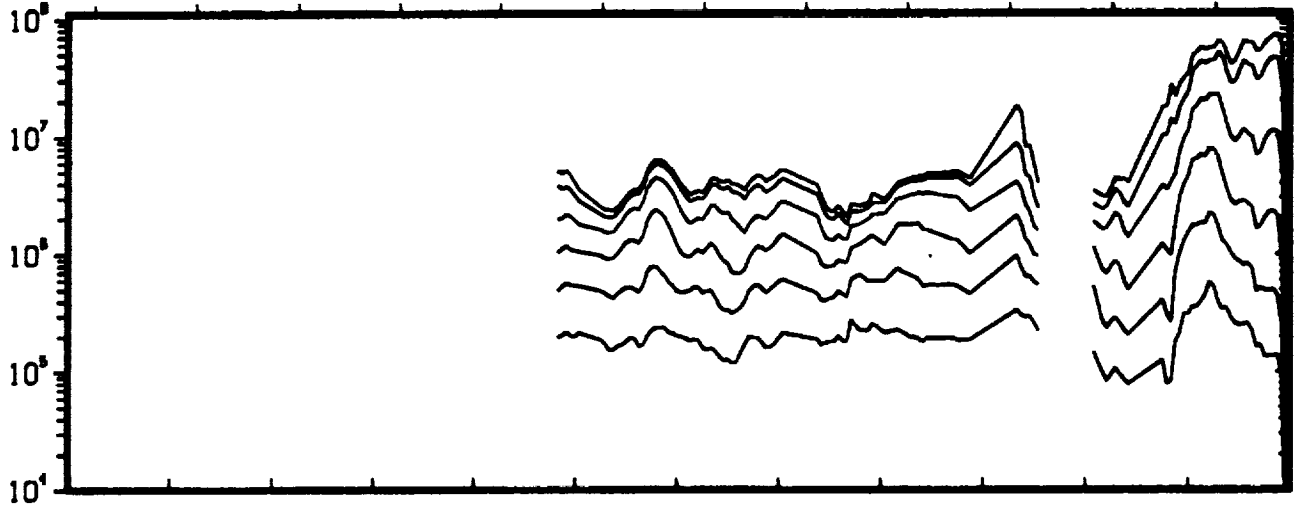
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

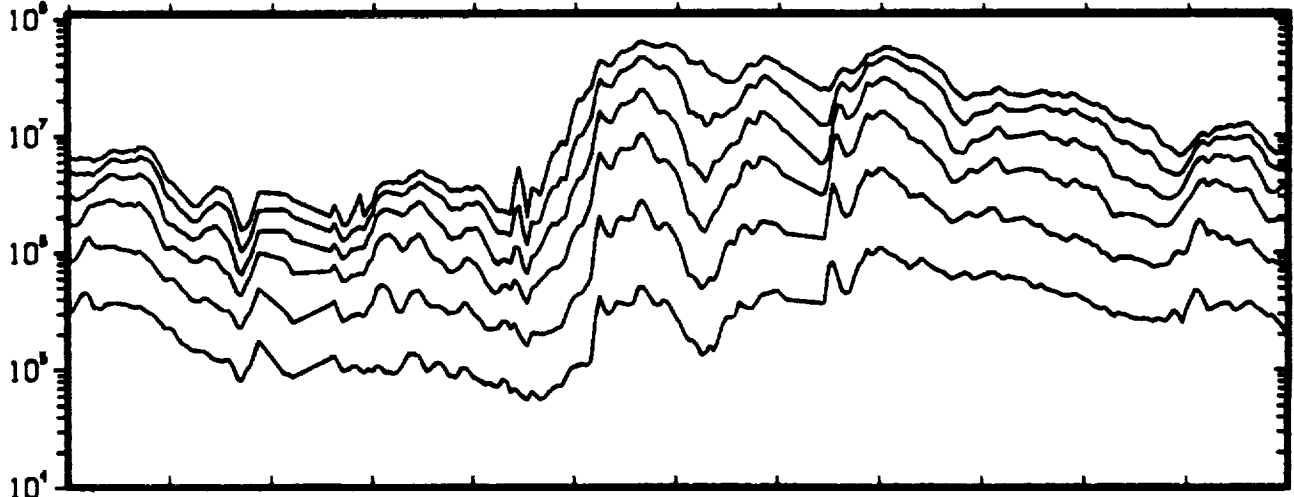
83/02/21

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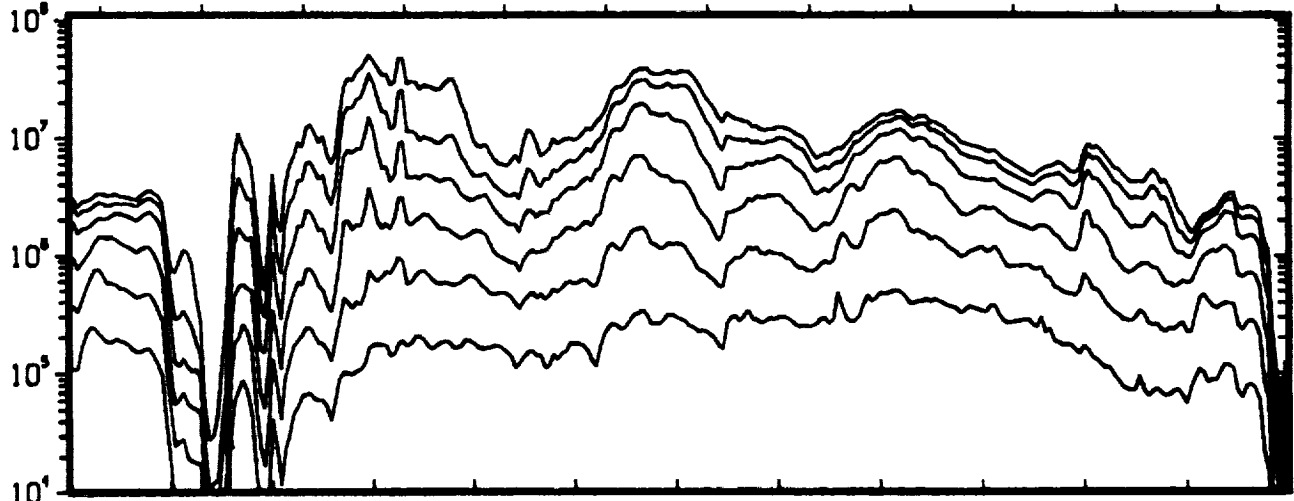
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

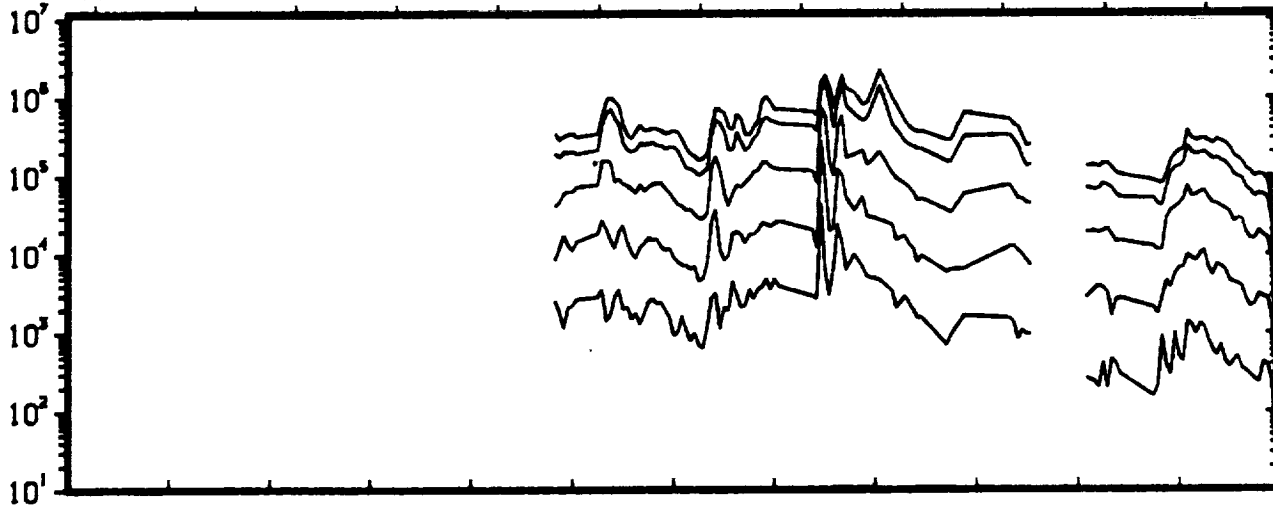


# LOW ENERGY IONS

1977-007

83/02/21

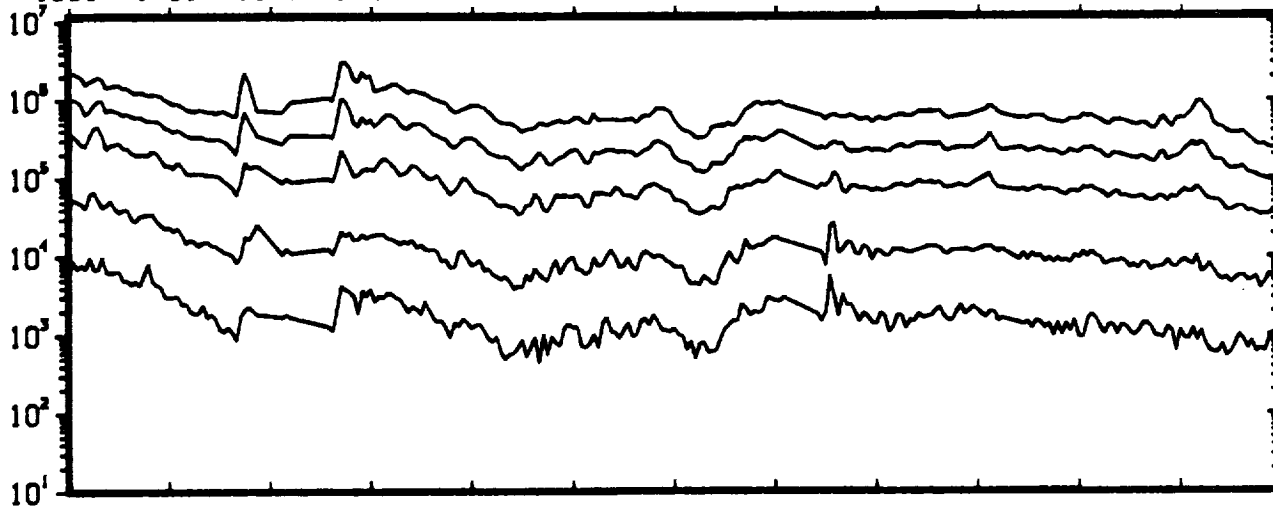
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

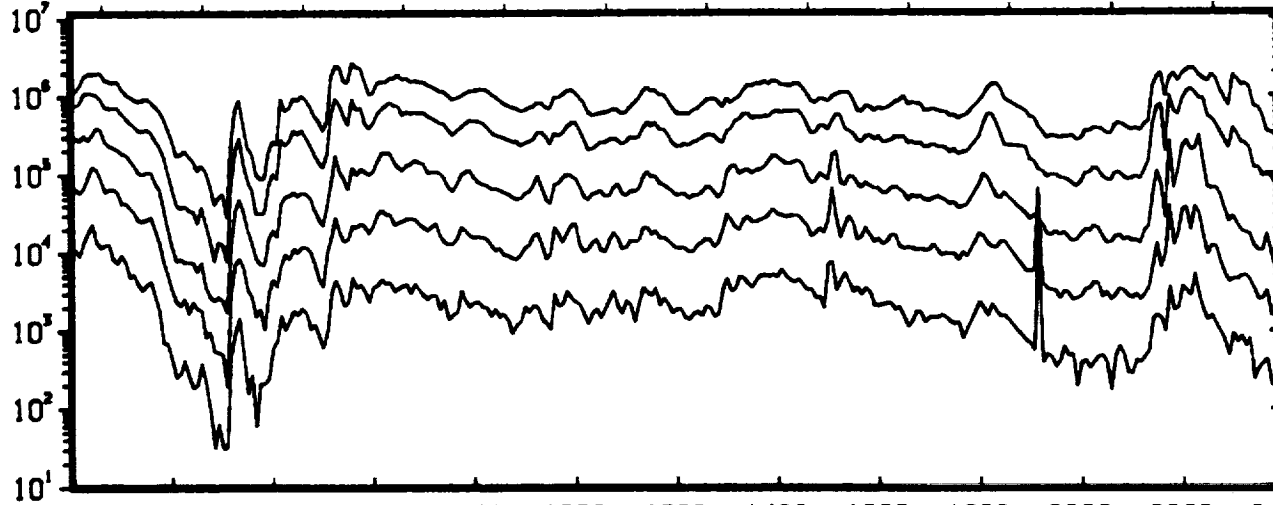
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



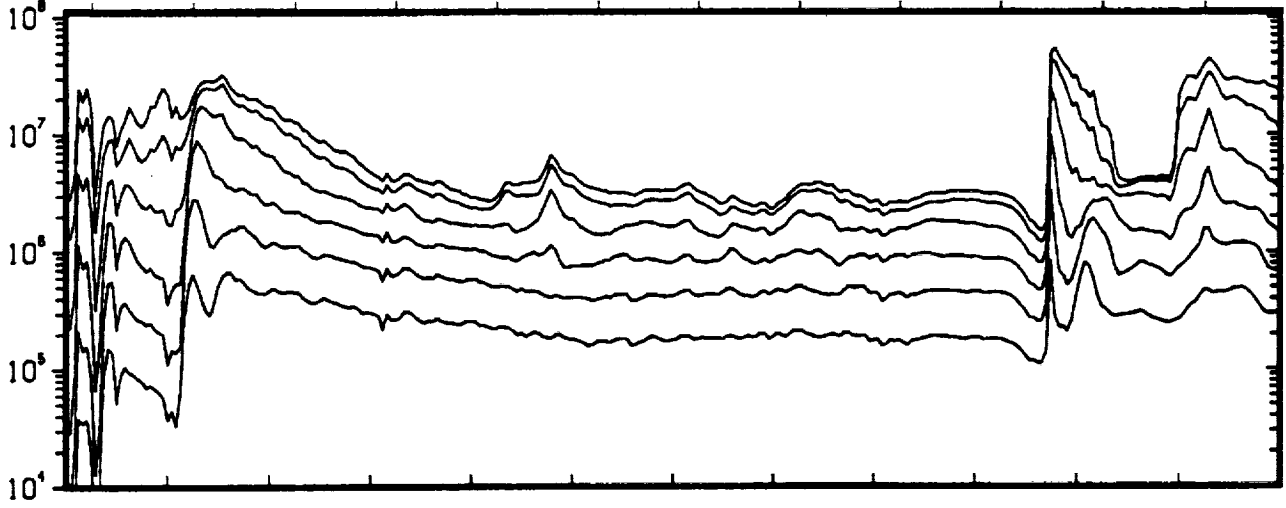
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# LOW ENERGY ELECTRONS

1977-007

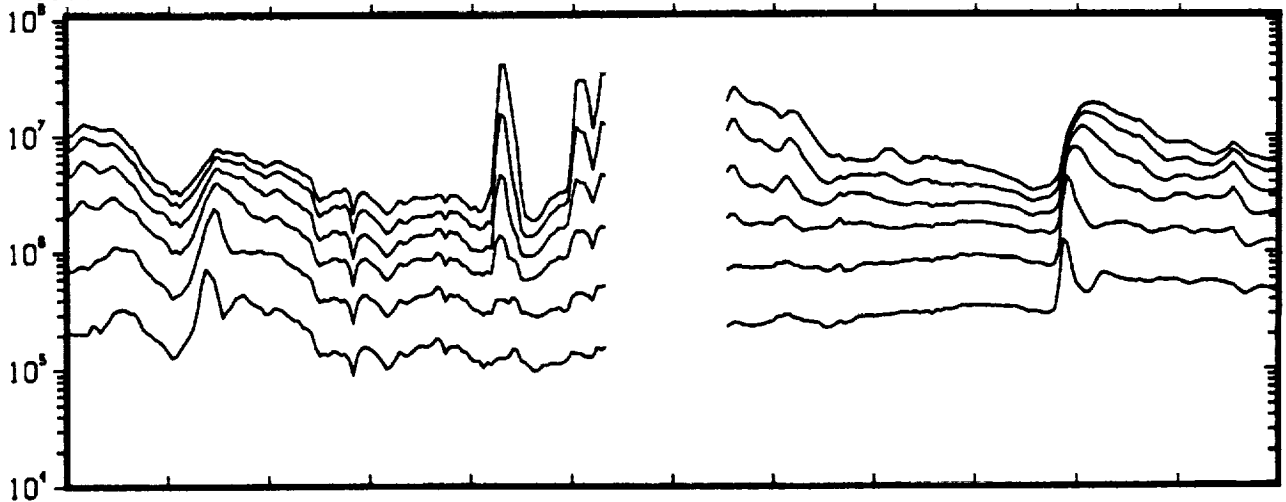
83/02/22

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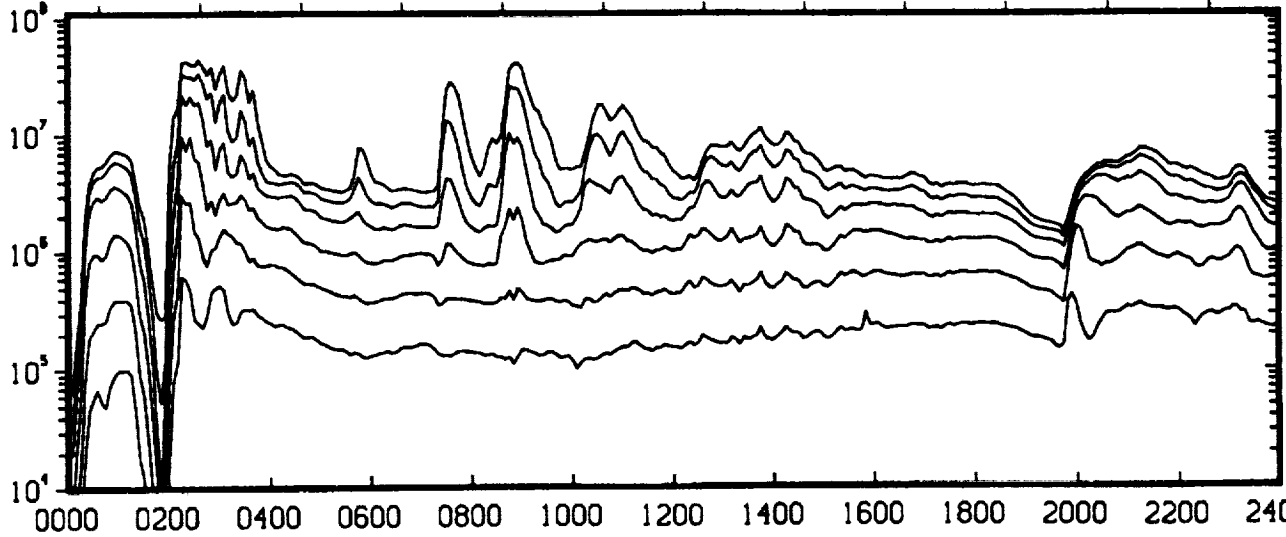
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

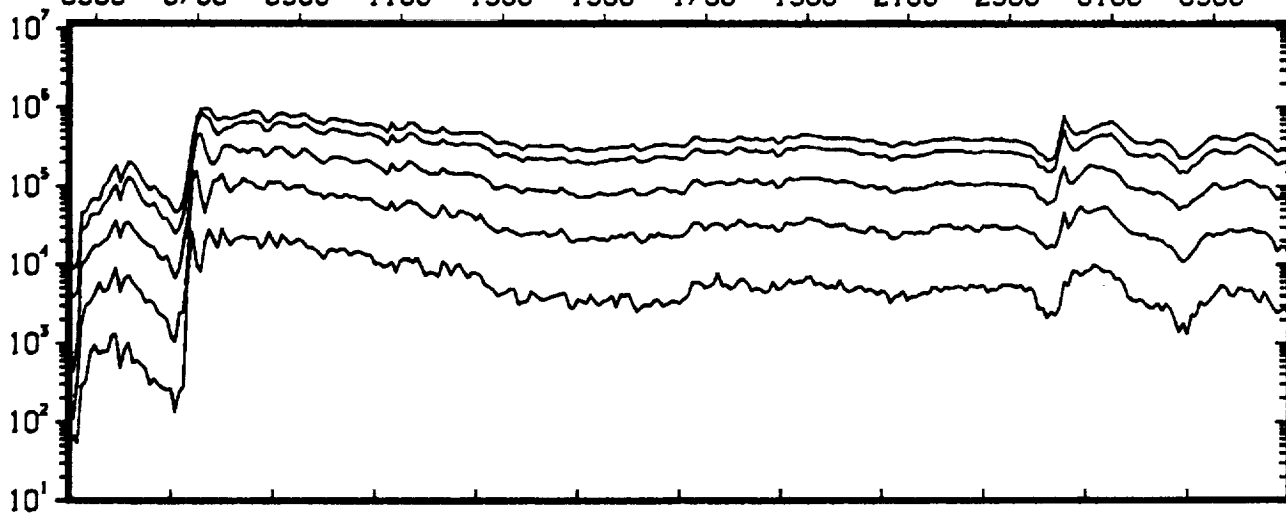
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

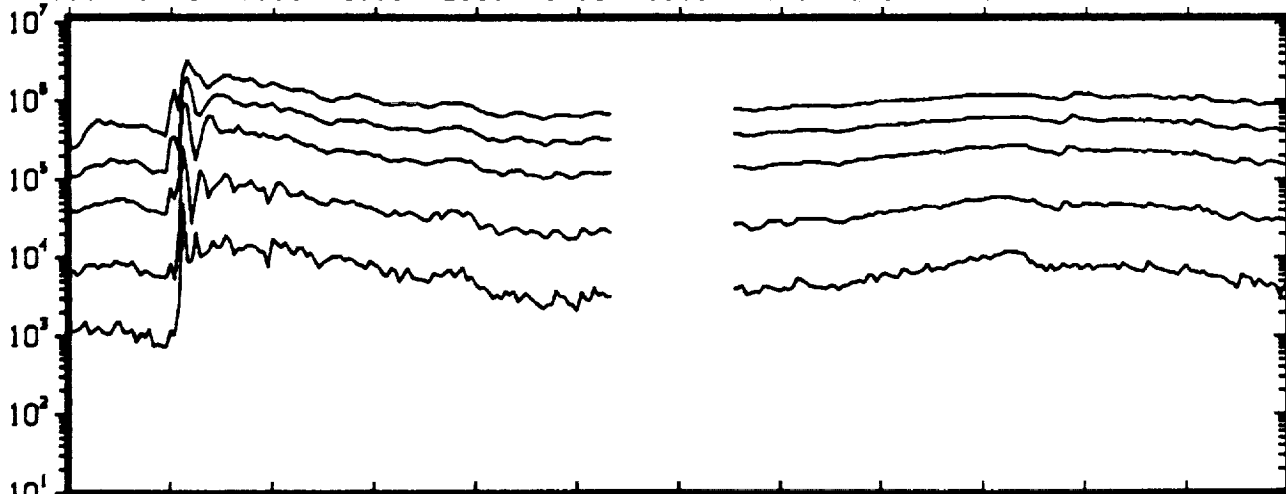
# LOW ENERGY IONS

1977-007 83/02/22  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

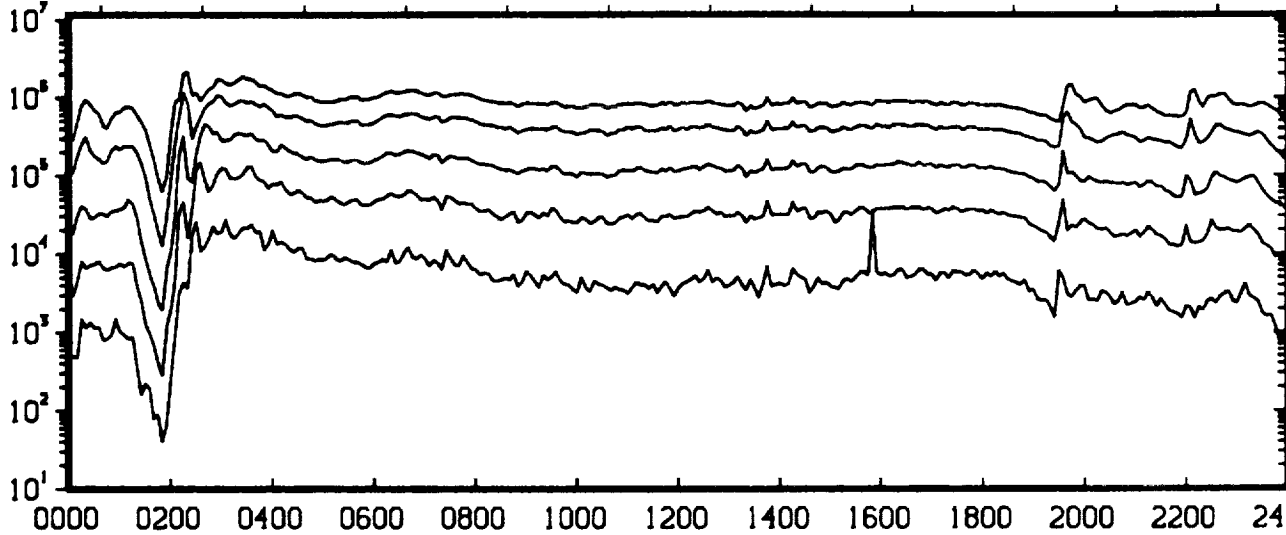


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

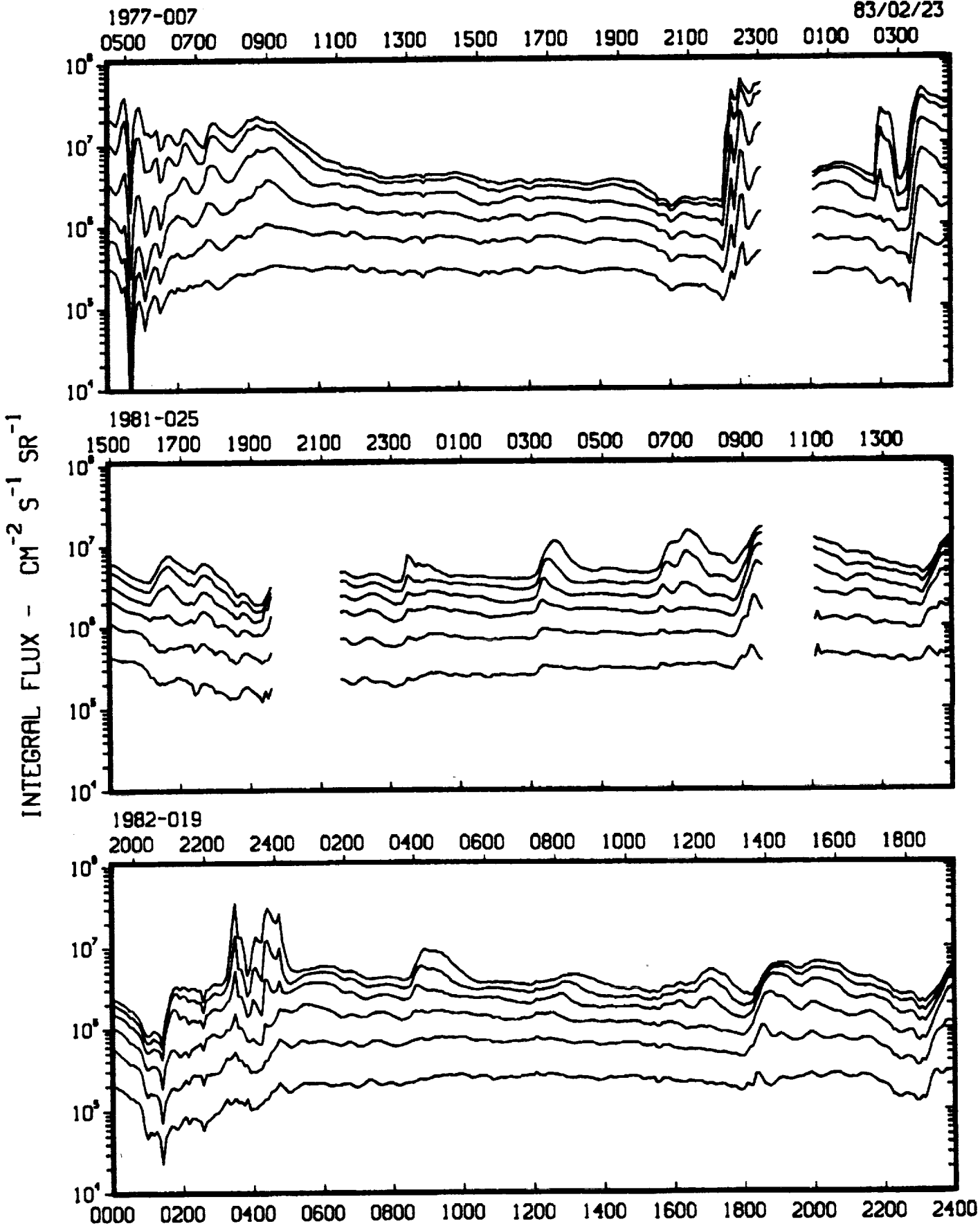
1981-025  
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1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



# LOW ENERGY ELECTRONS

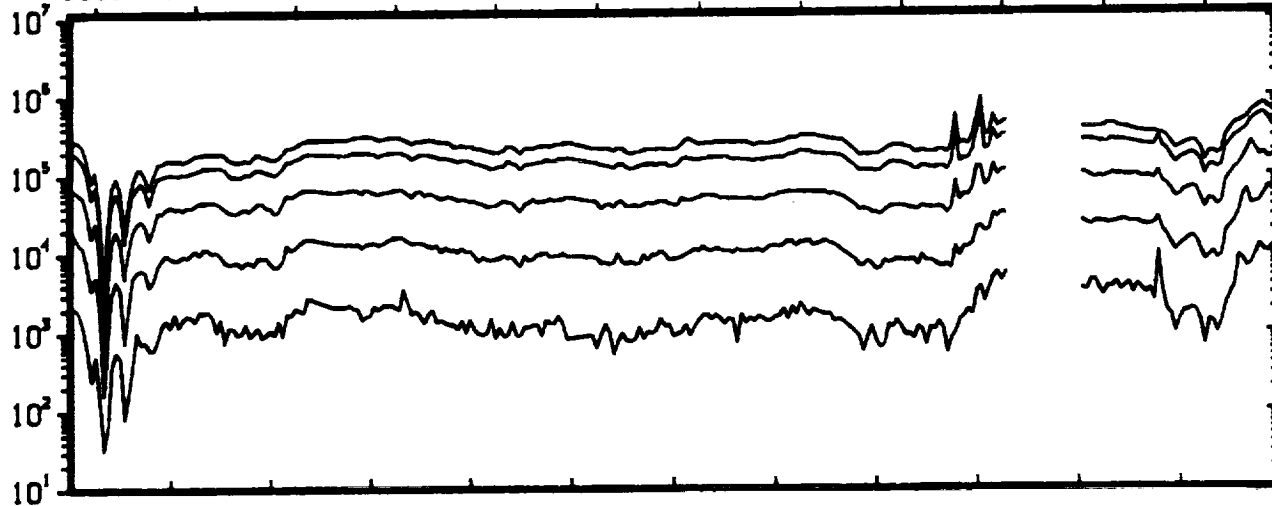


# LOW ENERGY IONS

1977-007

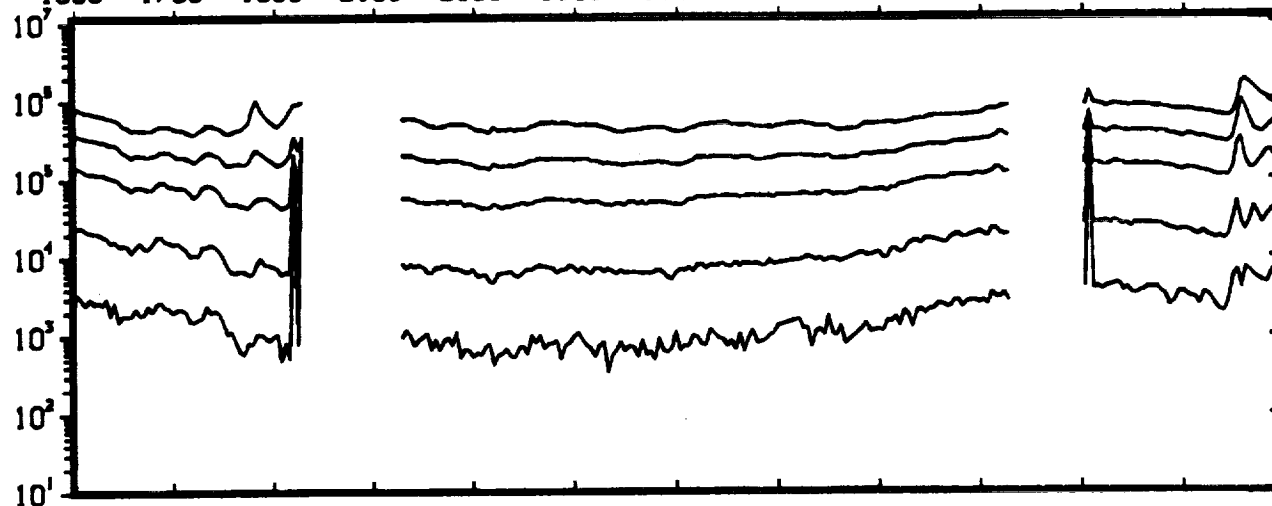
83/02/23

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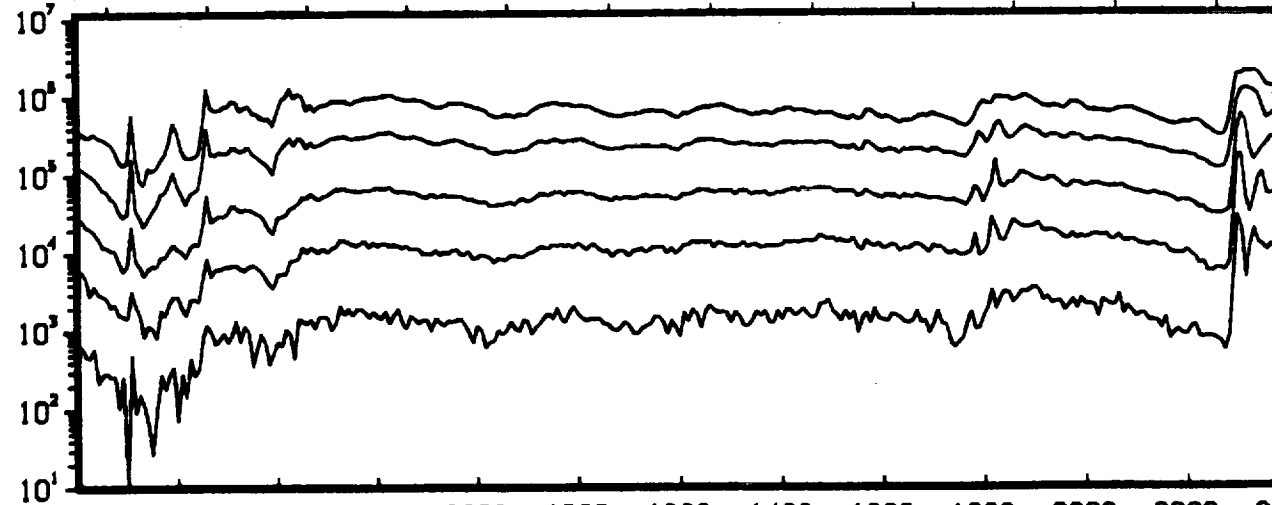
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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



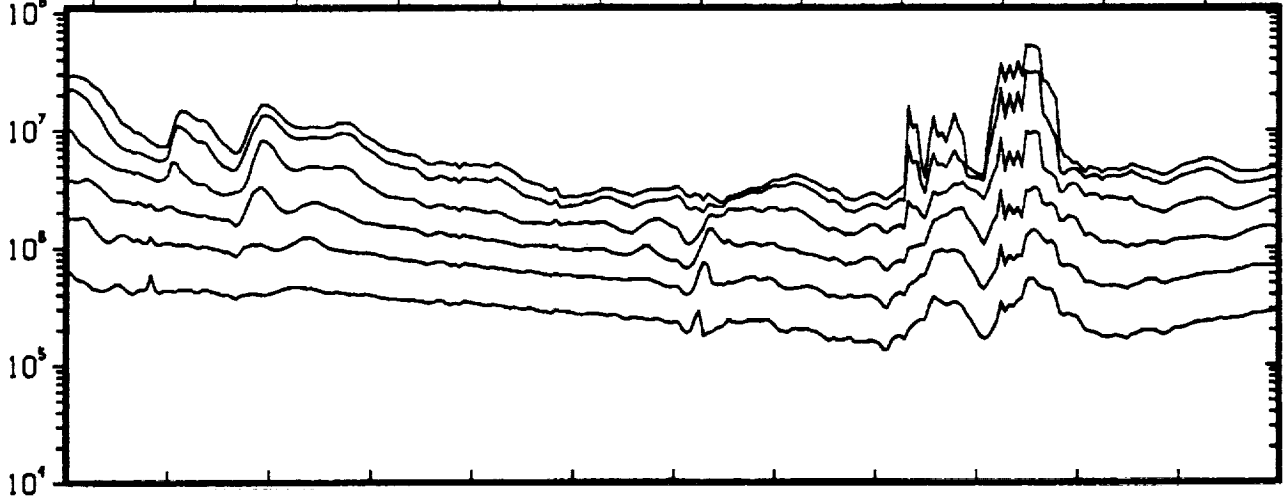
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

83/02/24

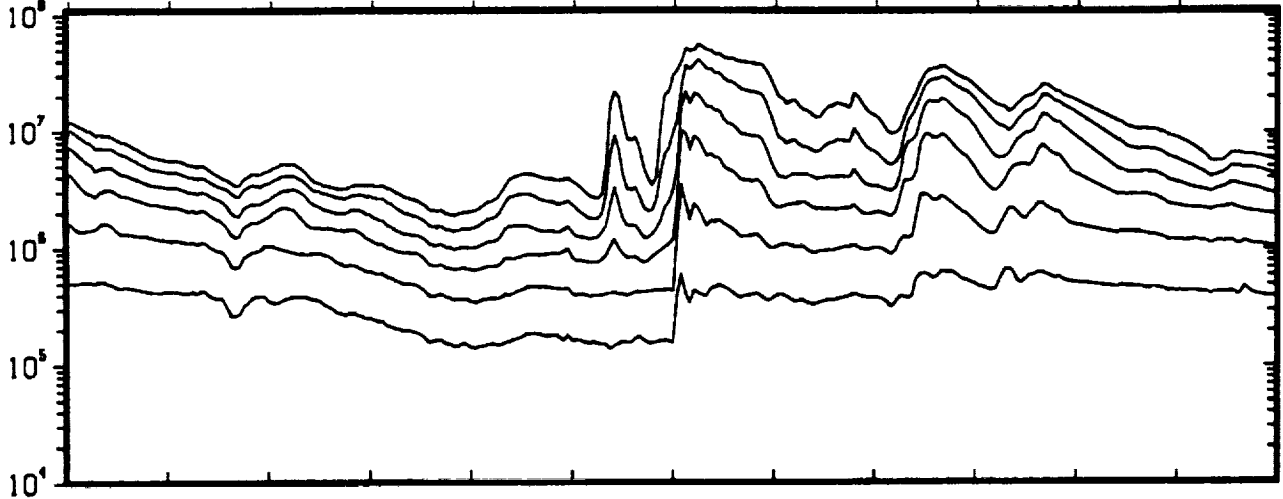
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

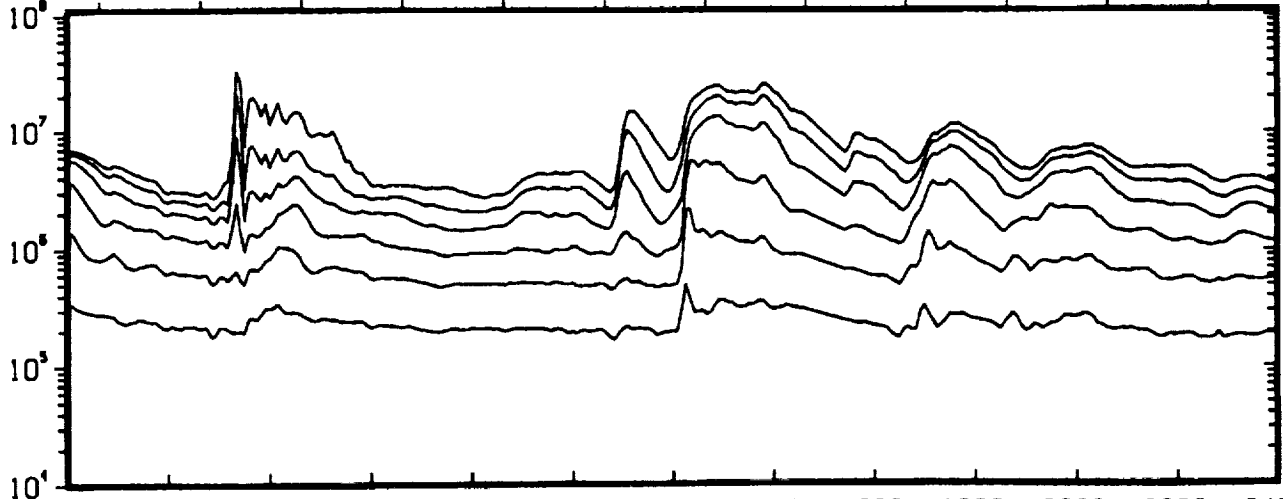
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1982-019

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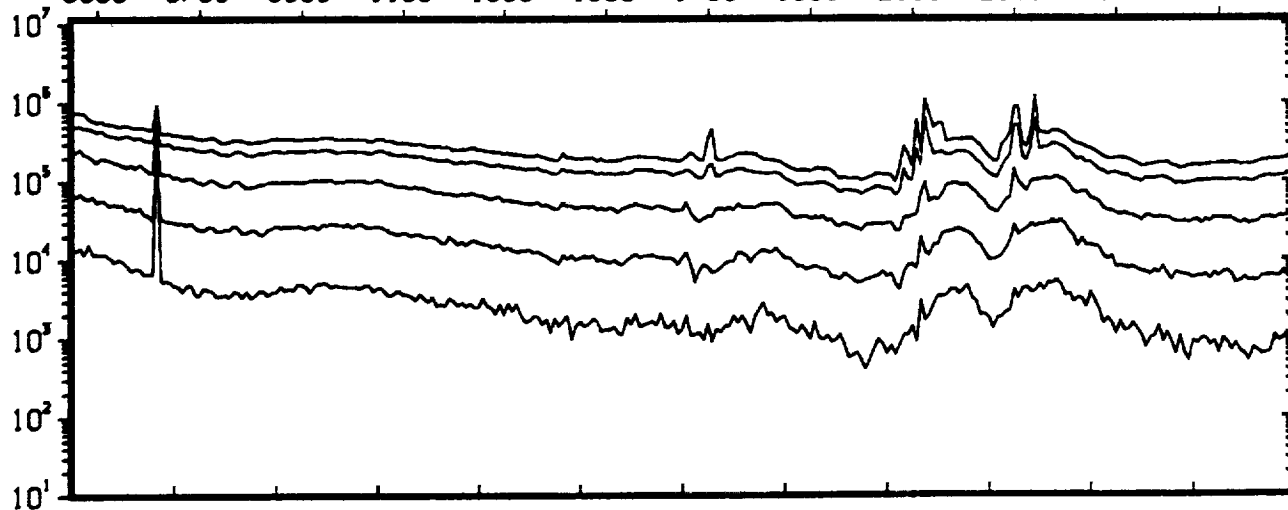
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# LOW ENERGY IONS

1977-007

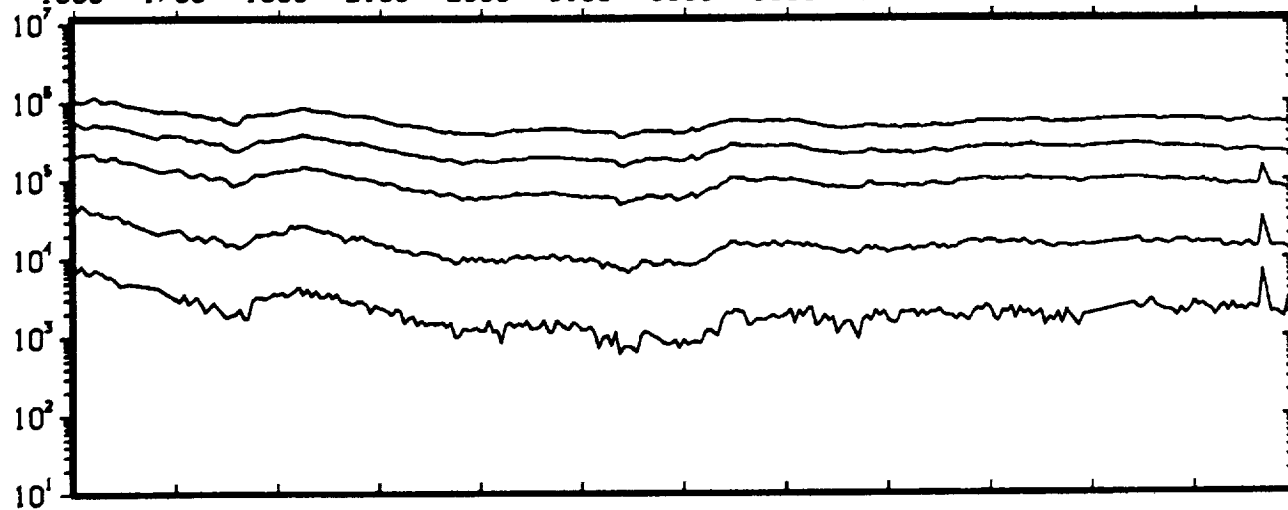
83/02/24

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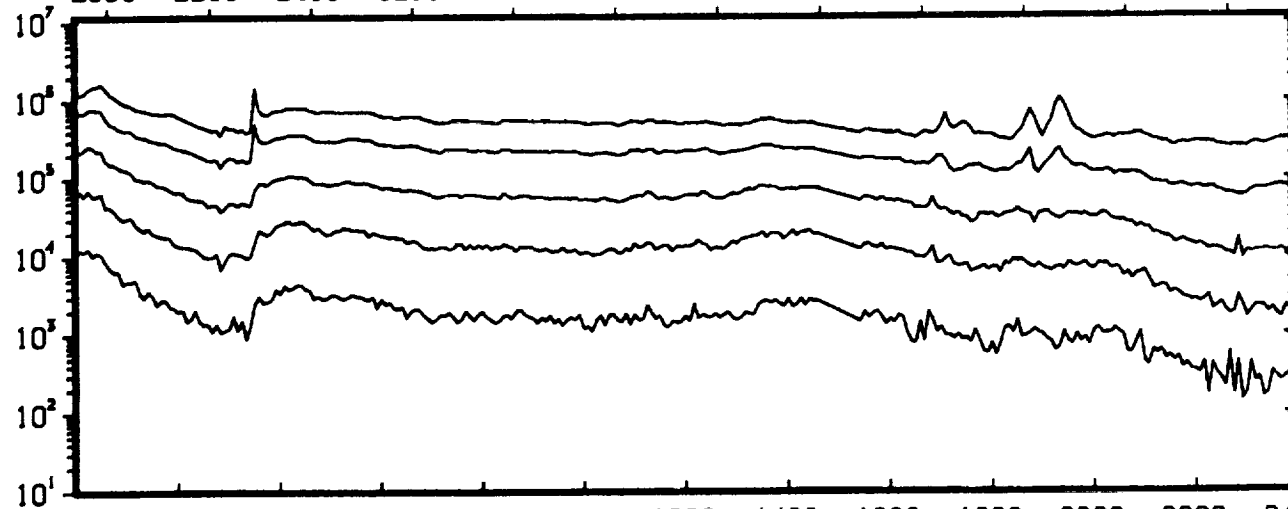
1981-025

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1982-019

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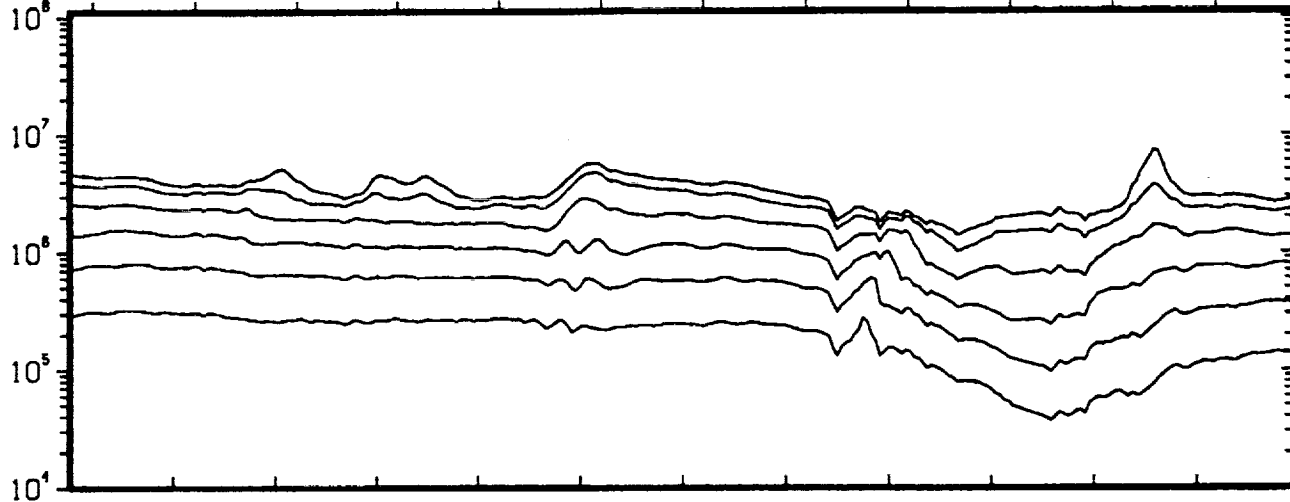
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

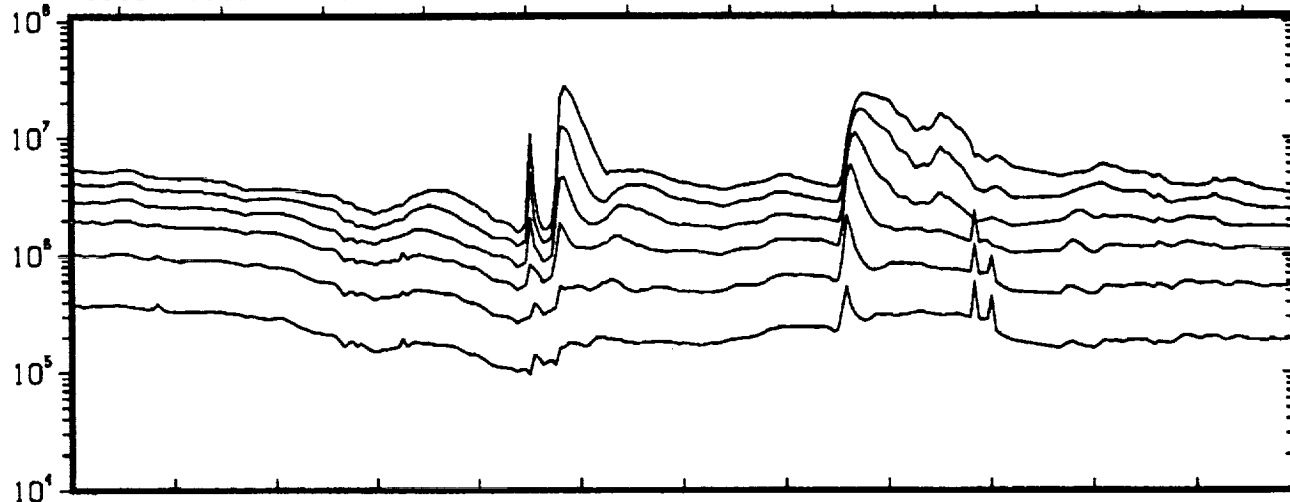
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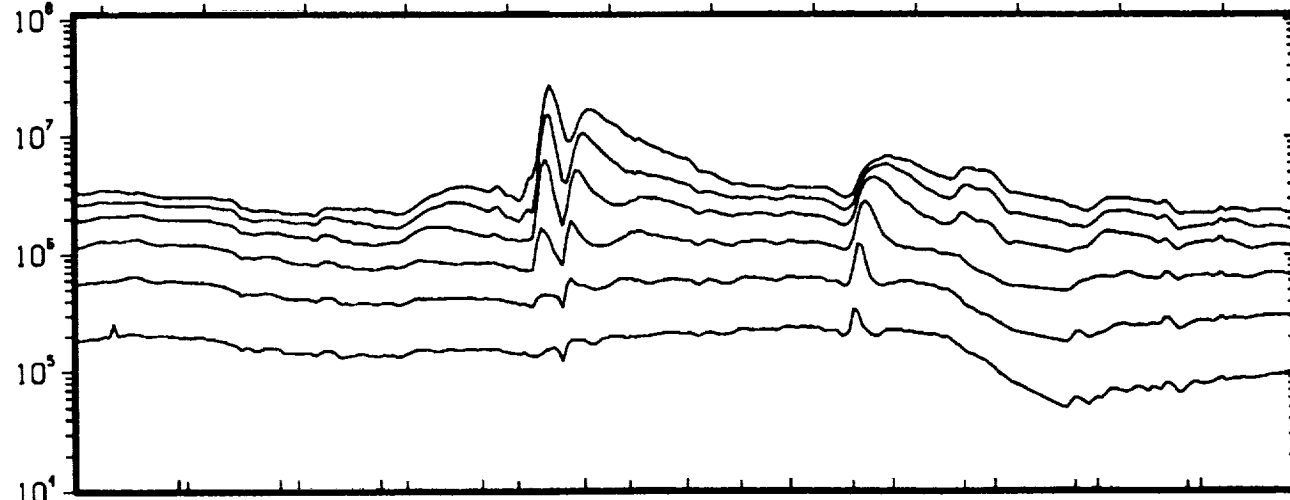
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

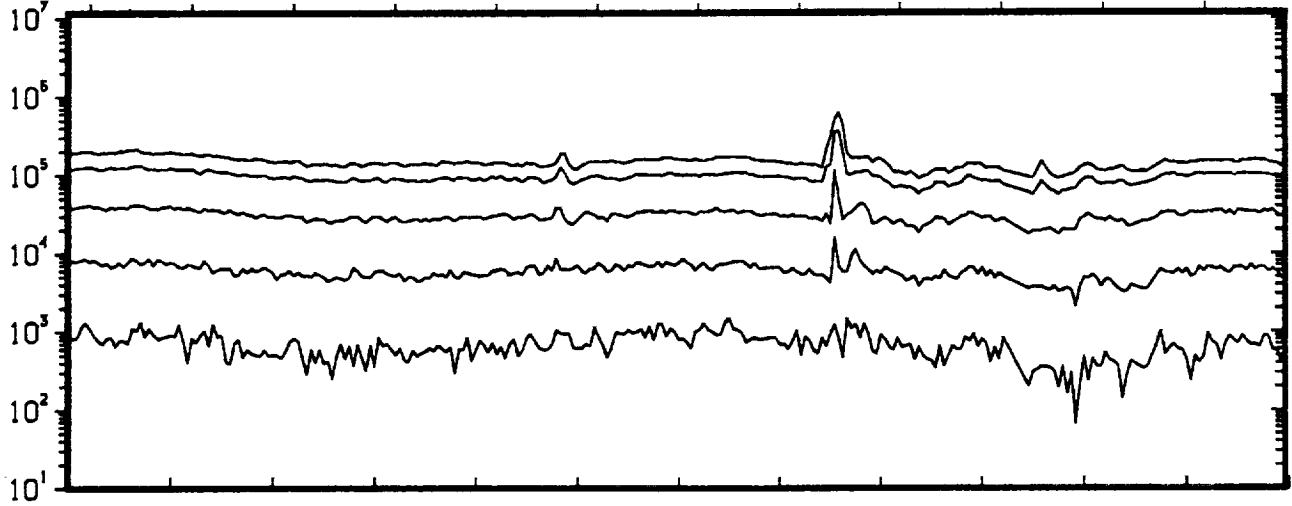


# LOW ENERGY IONS

1977-007

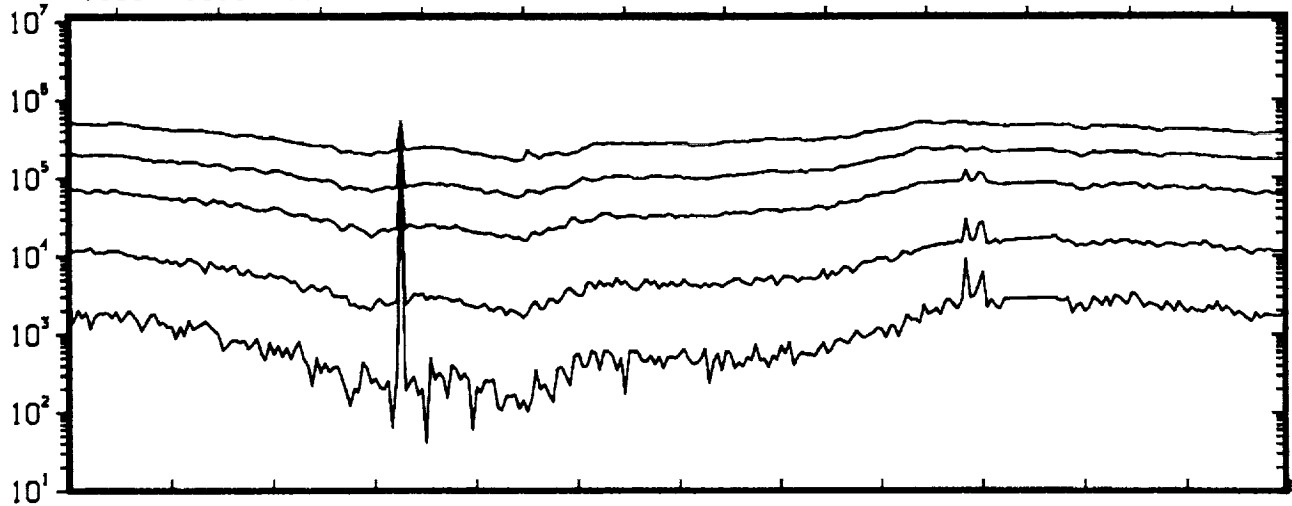
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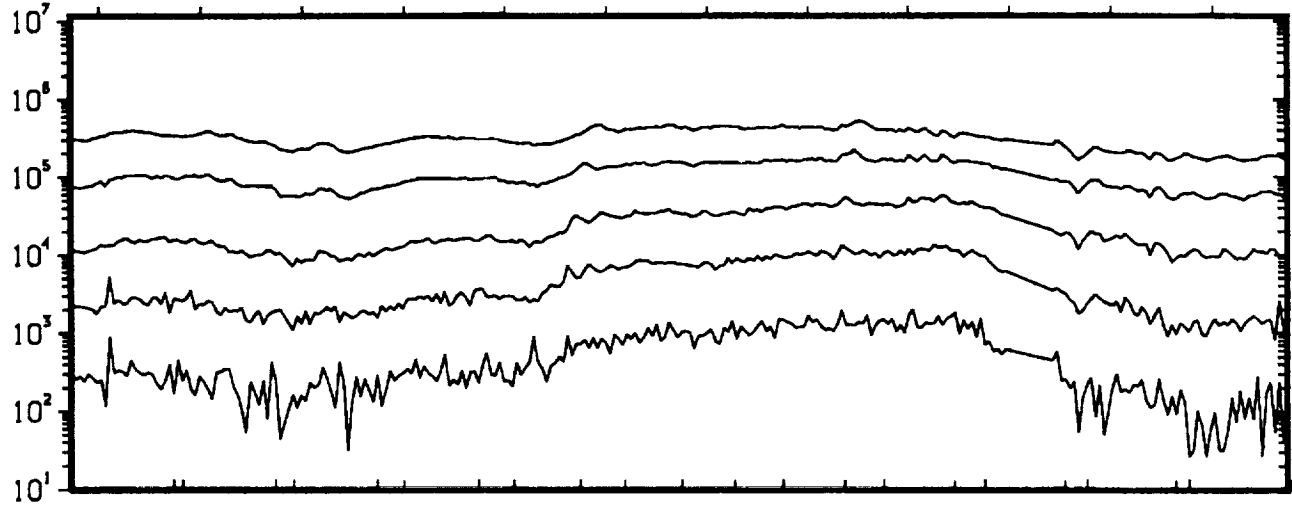
1981-025

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1982-019

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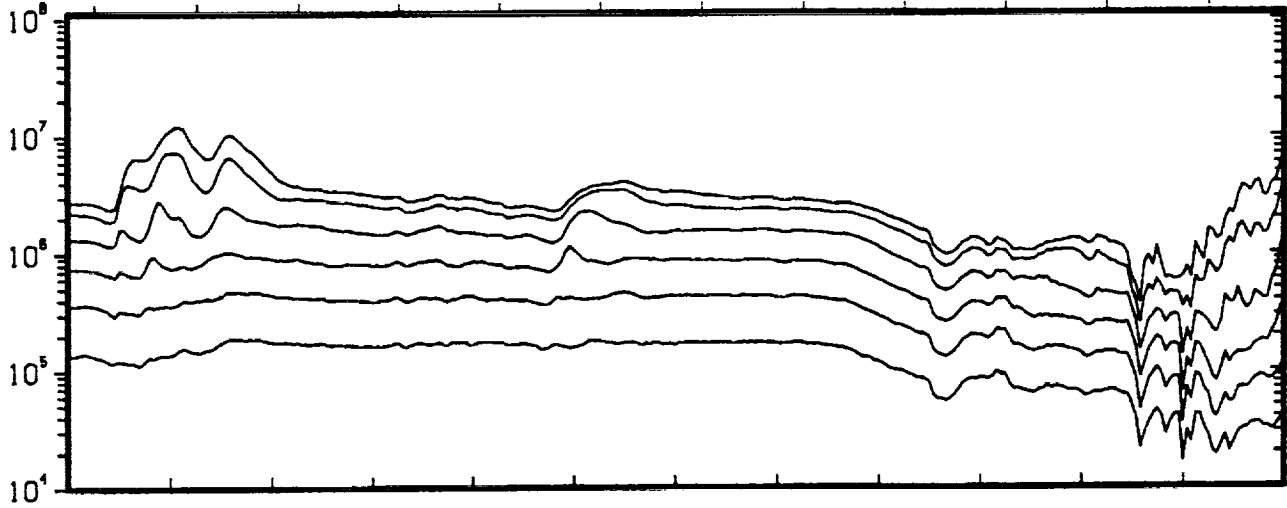
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

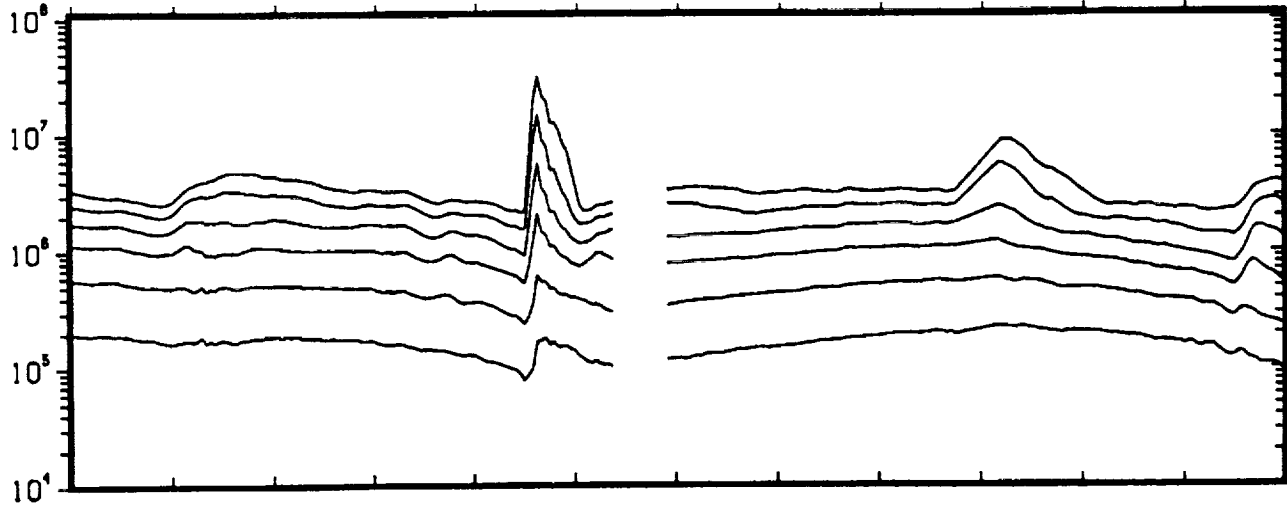
83/02/26

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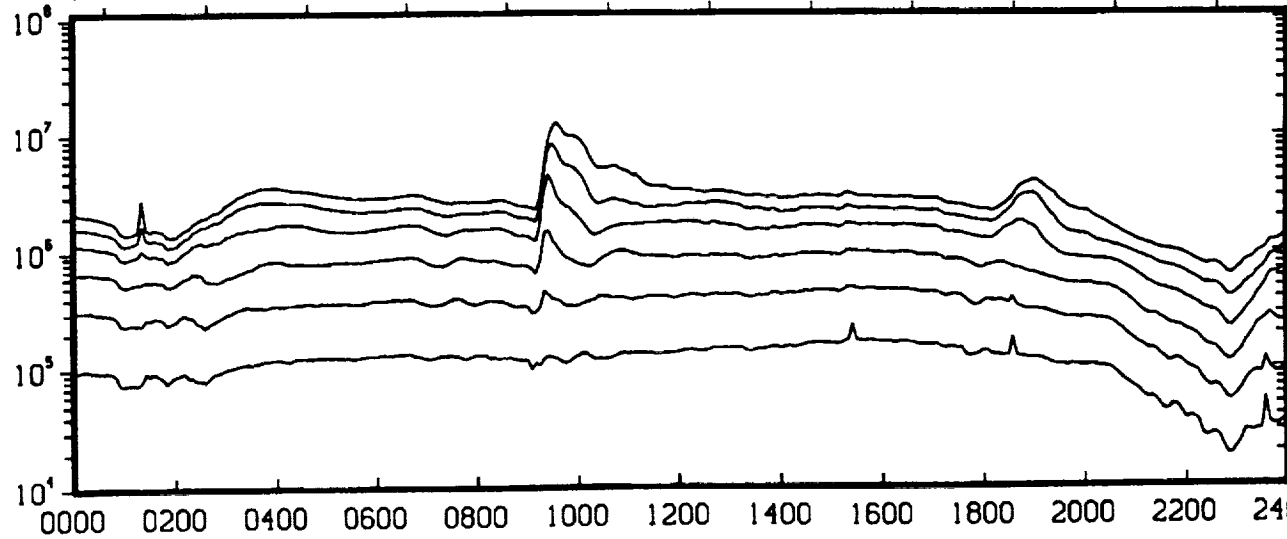
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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



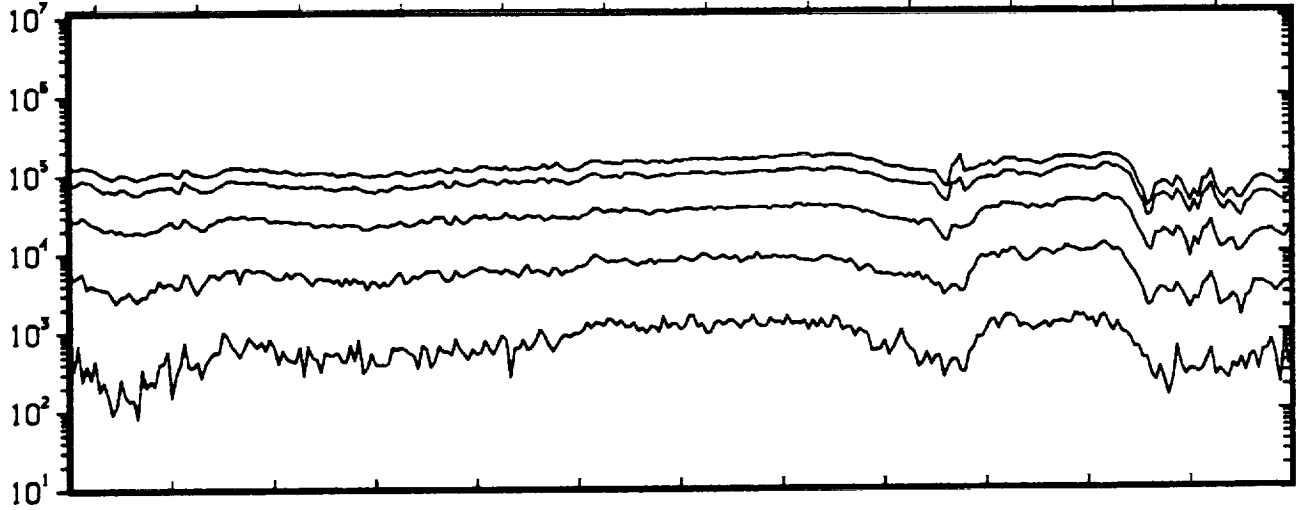
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/02/26

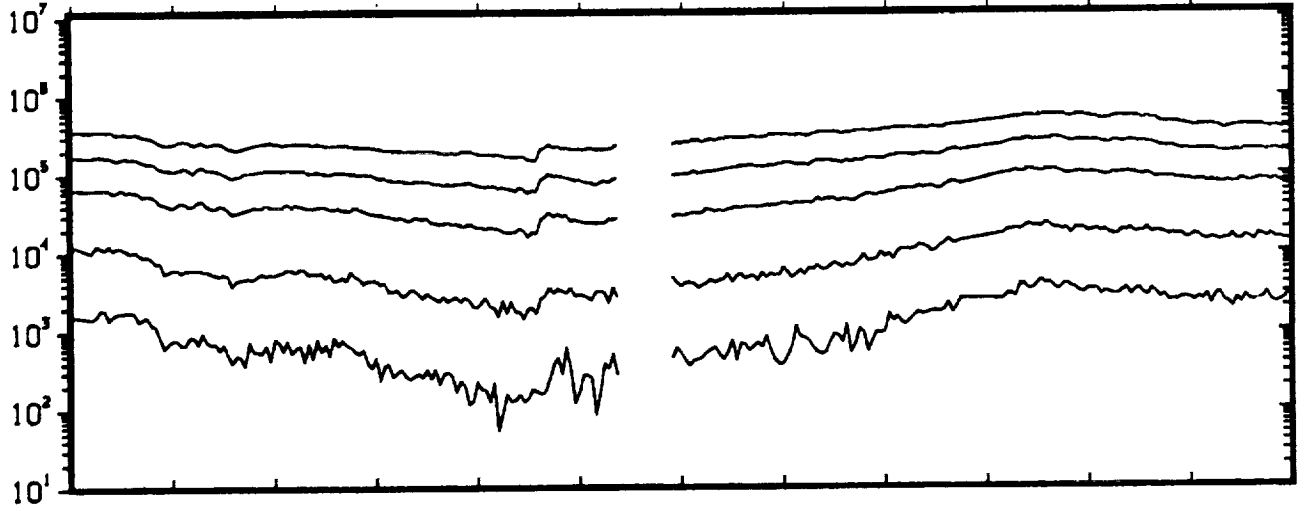
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

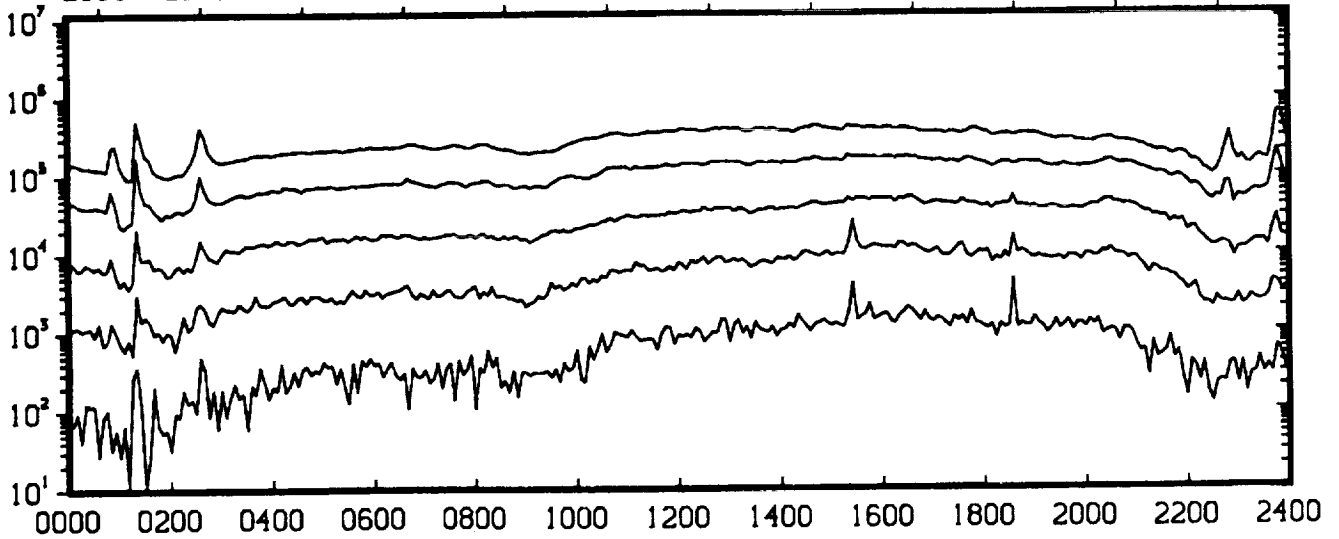
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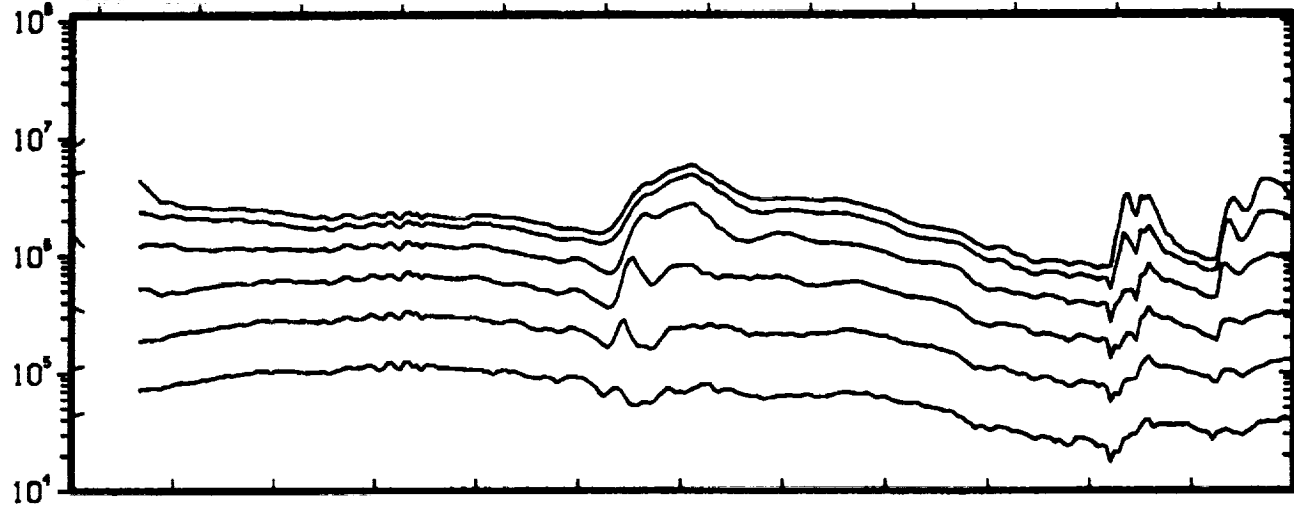
1982-019

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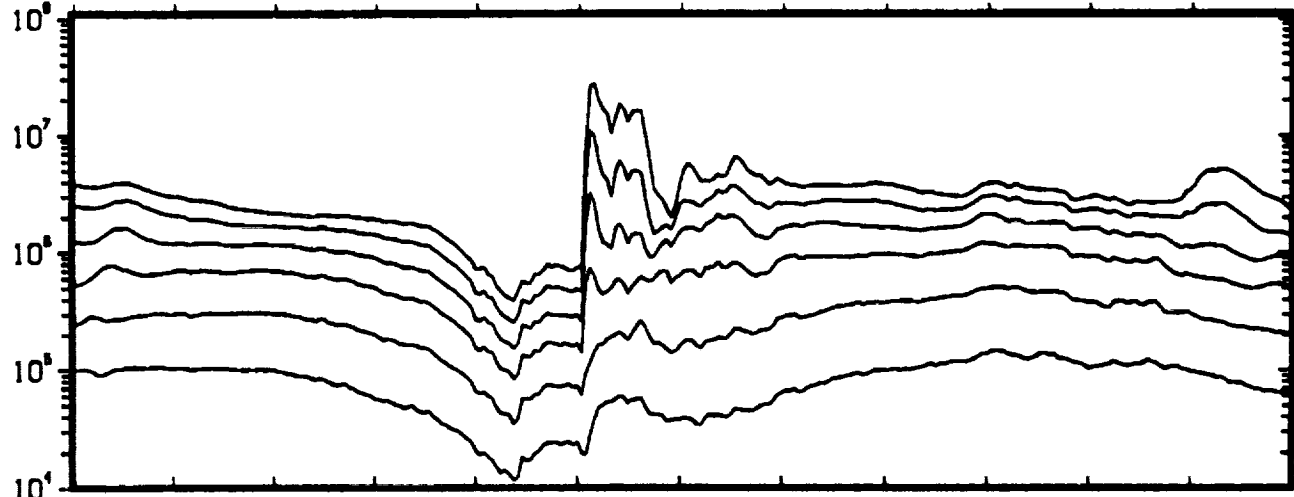


# LOW ENERGY ELECTRONS

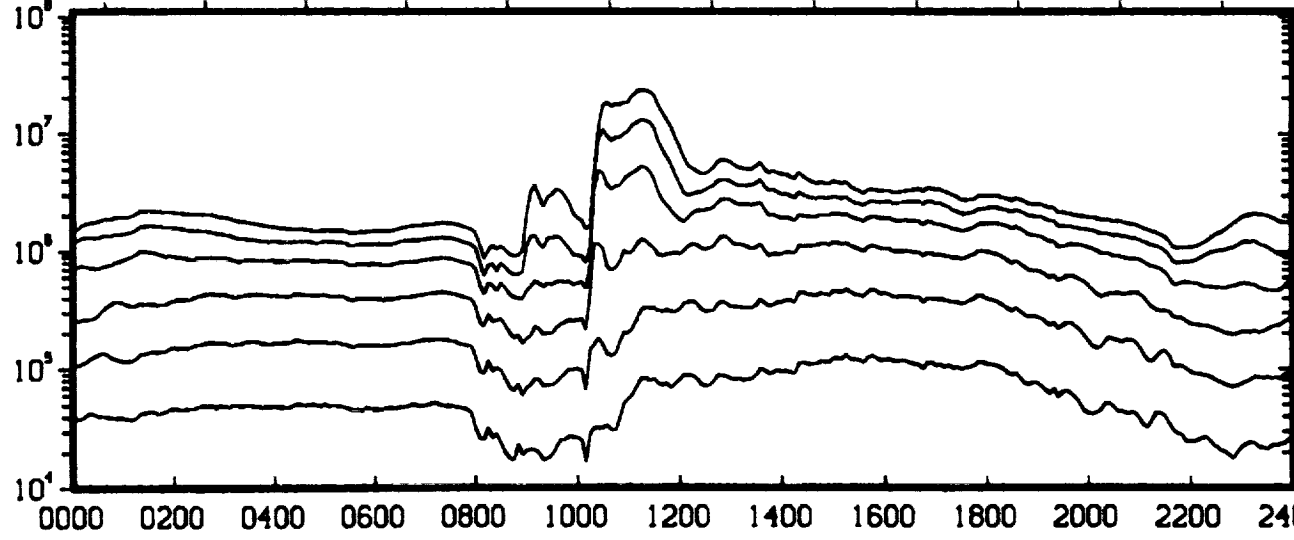
1977-007 83/02/27  
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1981-025  
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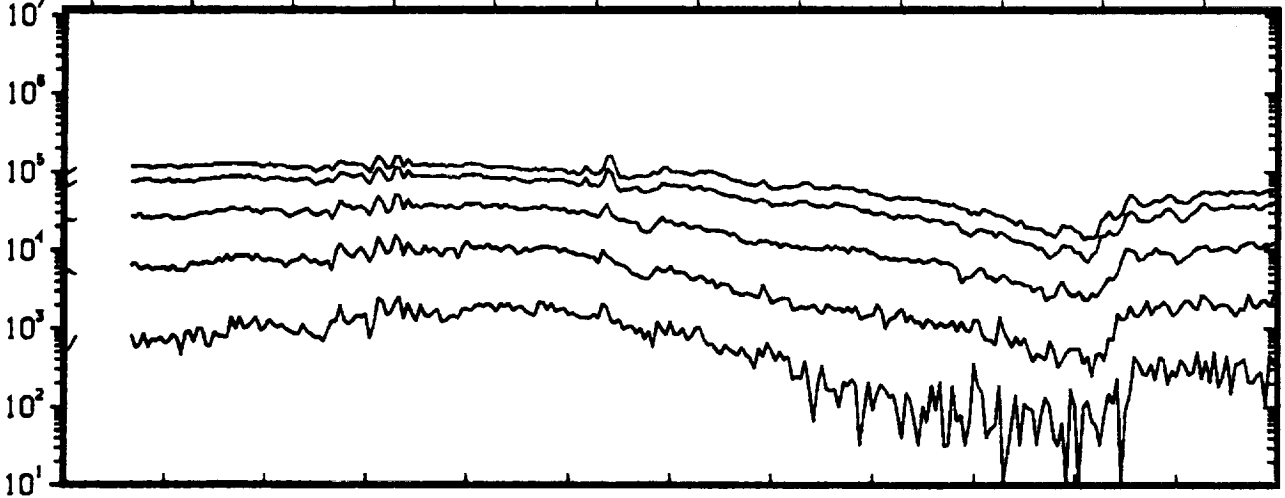
1982-019  
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

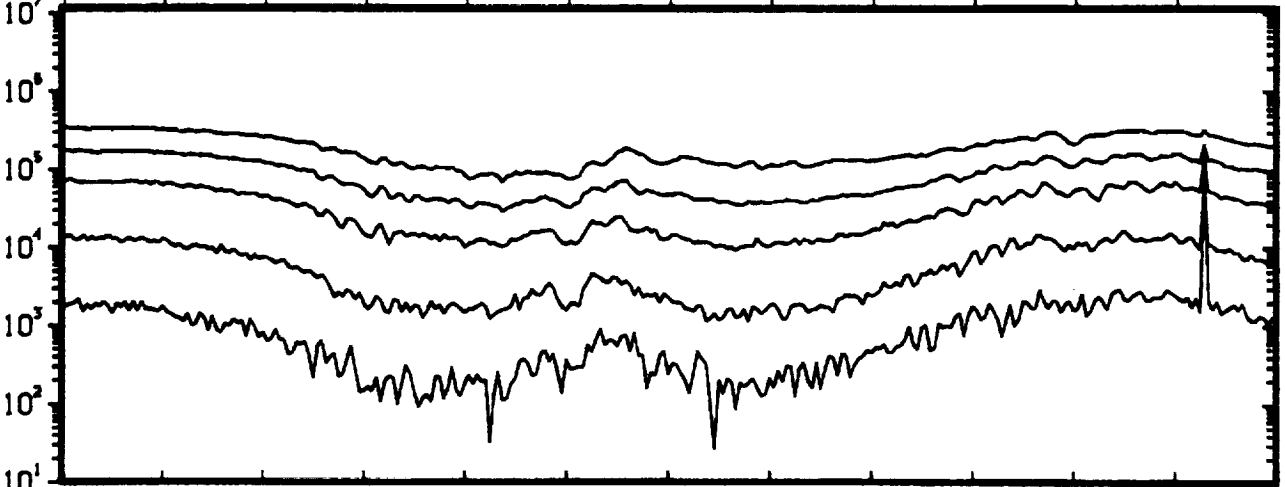
# LOW ENERGY IONS

1977-007 83/02/27  
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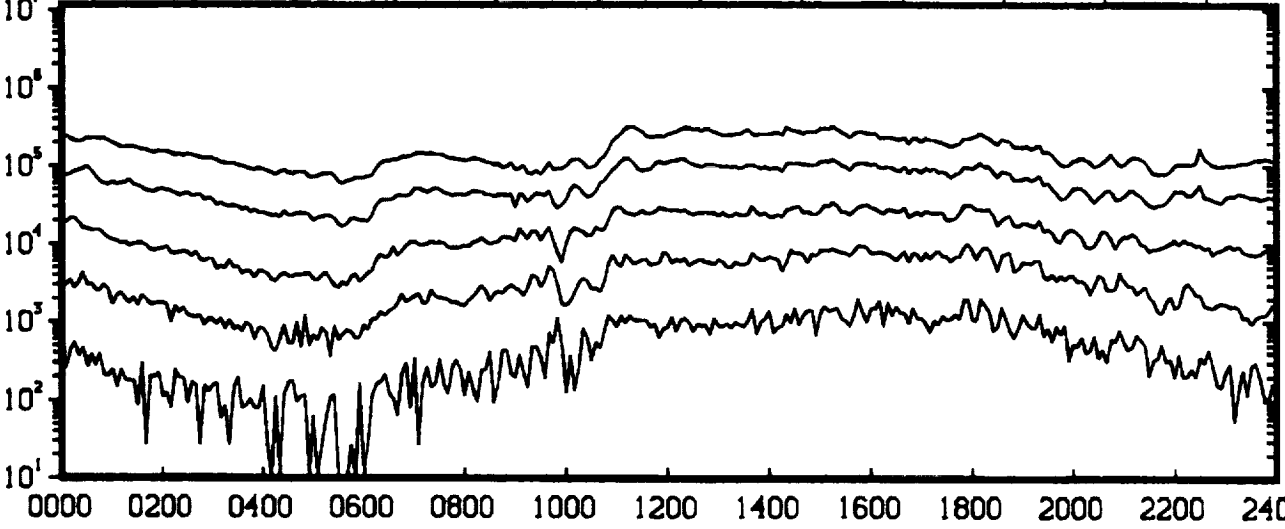


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
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1982-019  
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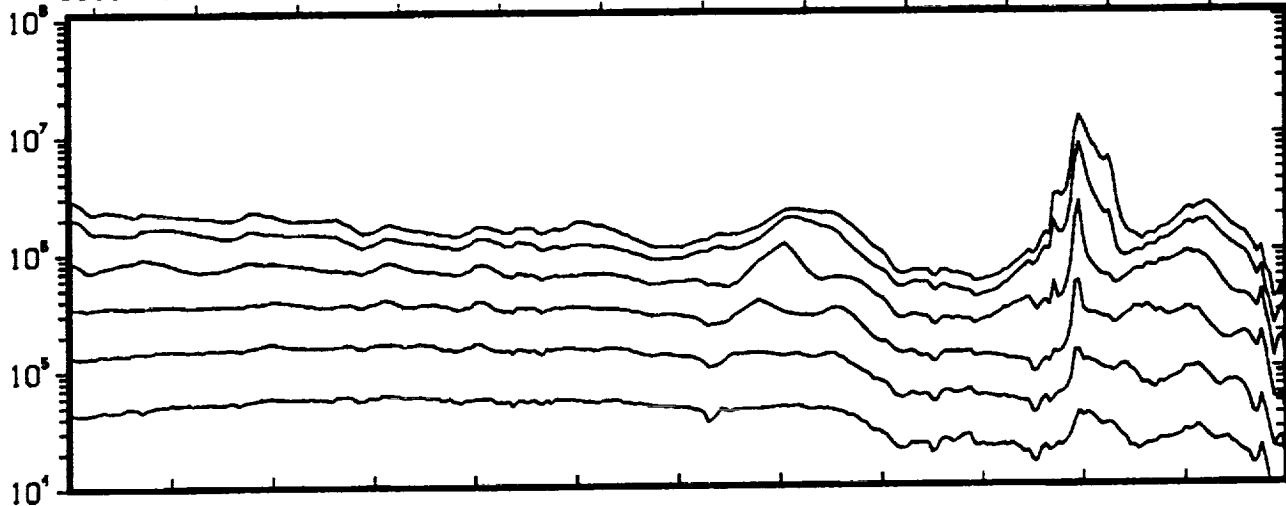


# LOW ENERGY ELECTRONS

1977-007

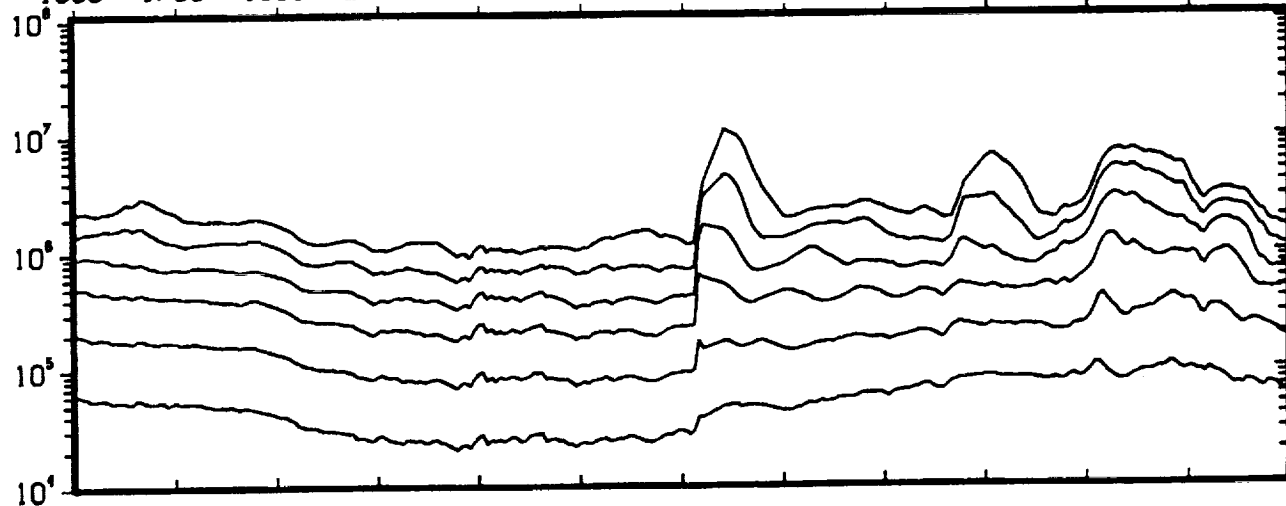
83/02/28

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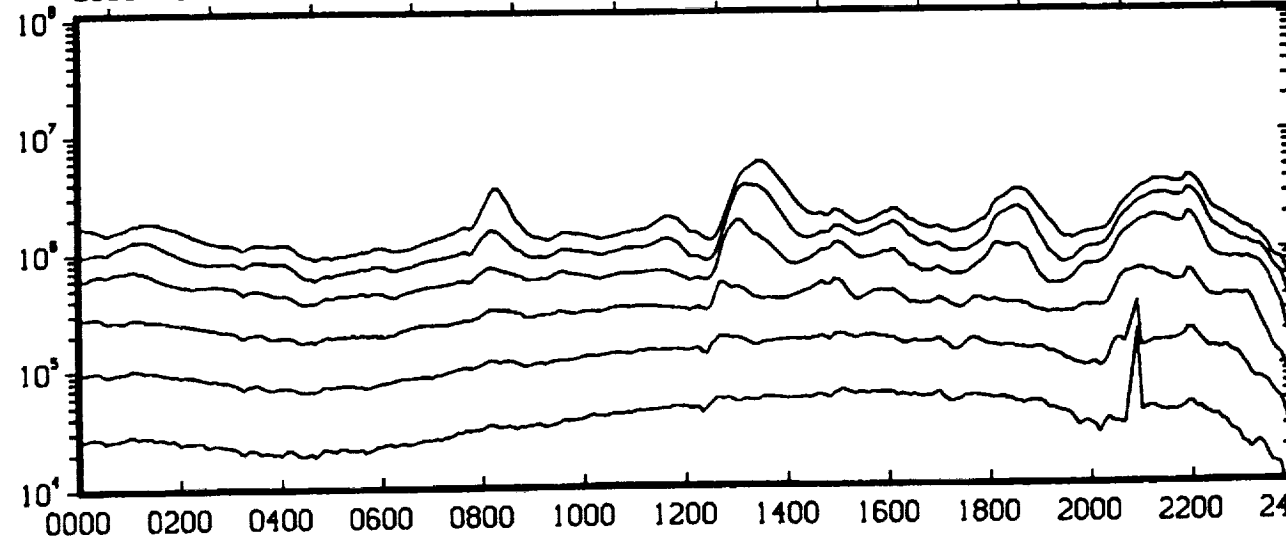
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1982-019

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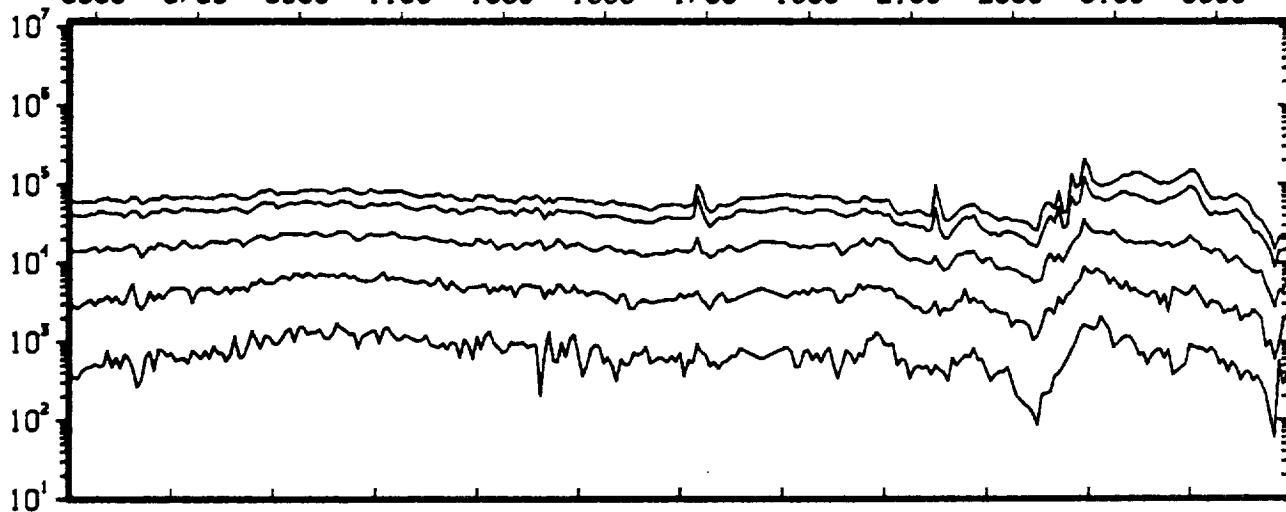
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/02/28

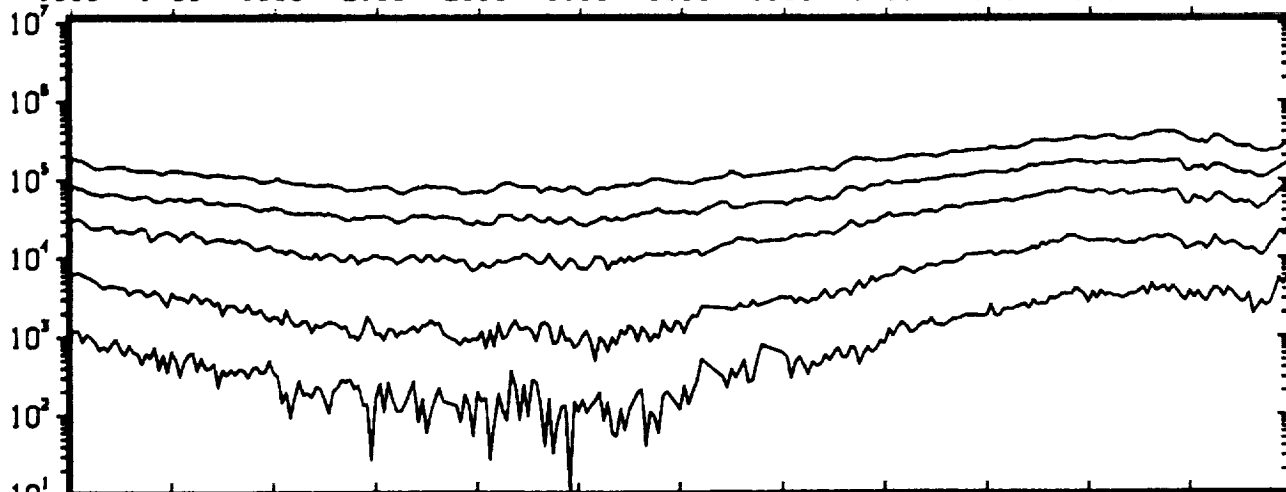
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

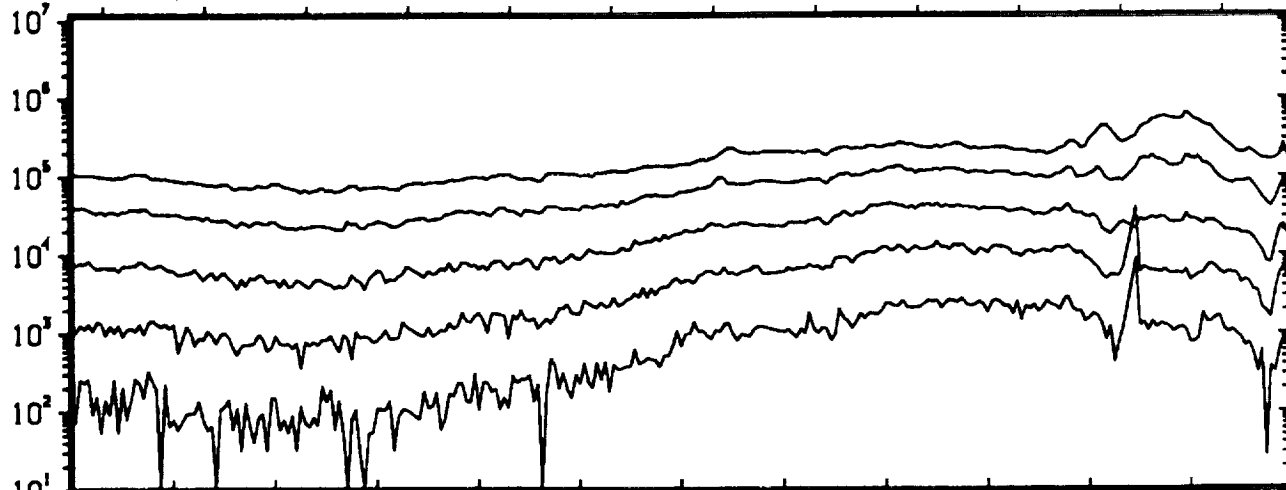
1981-025

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1982-019

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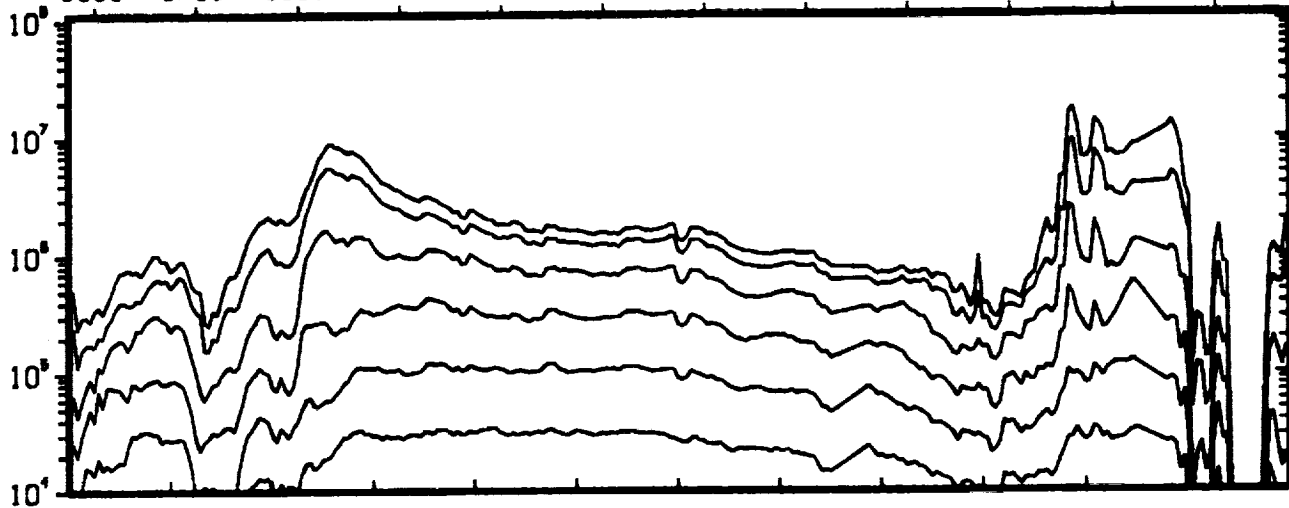
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# LOW ENERGY ELECTRONS

1977-007

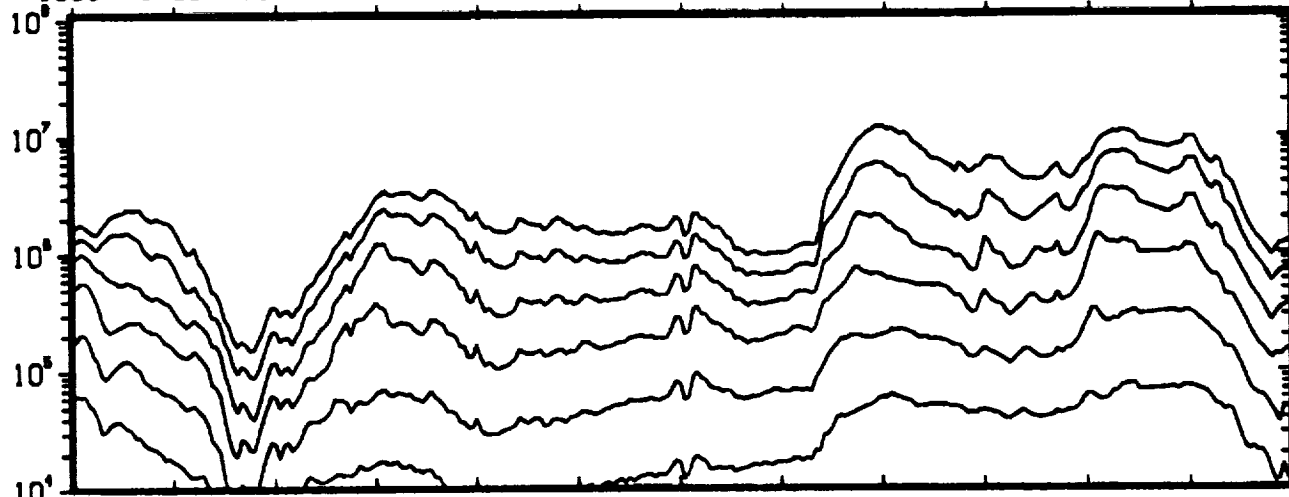
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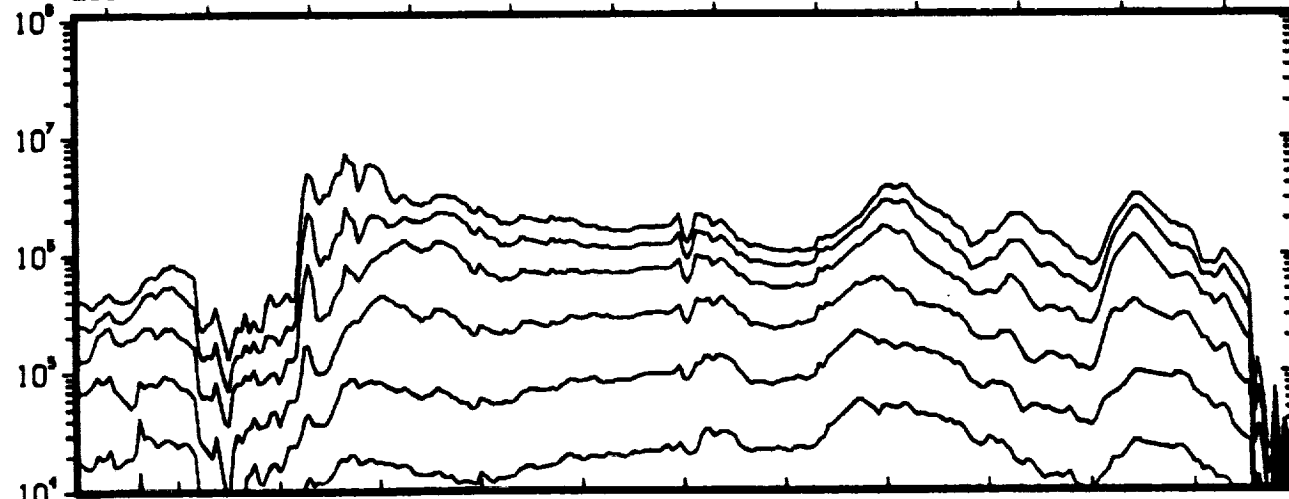
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

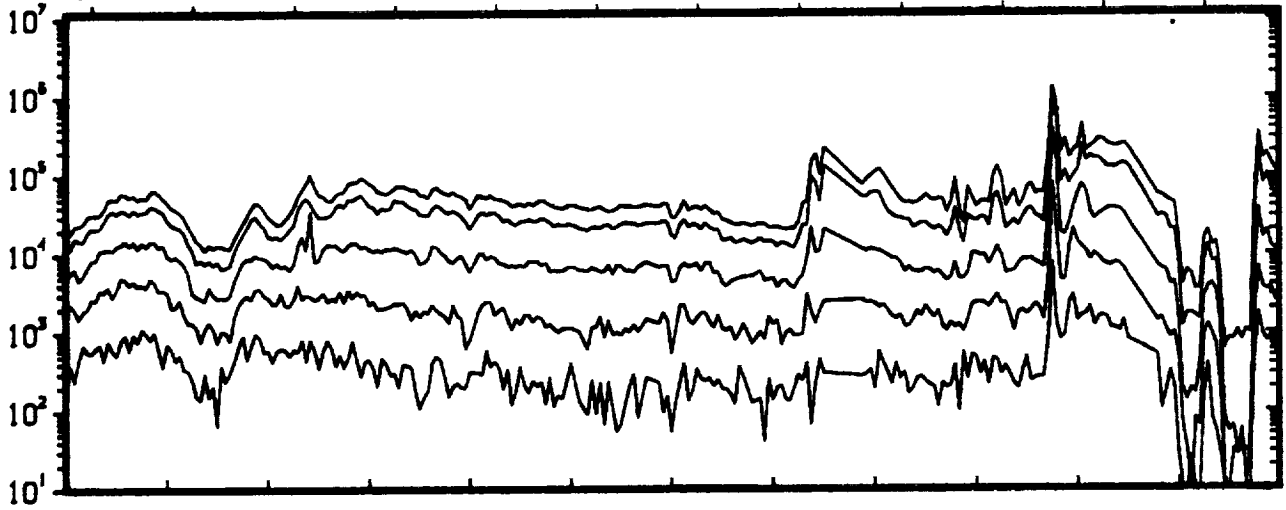


# LOW ENERGY IONS

1977-007

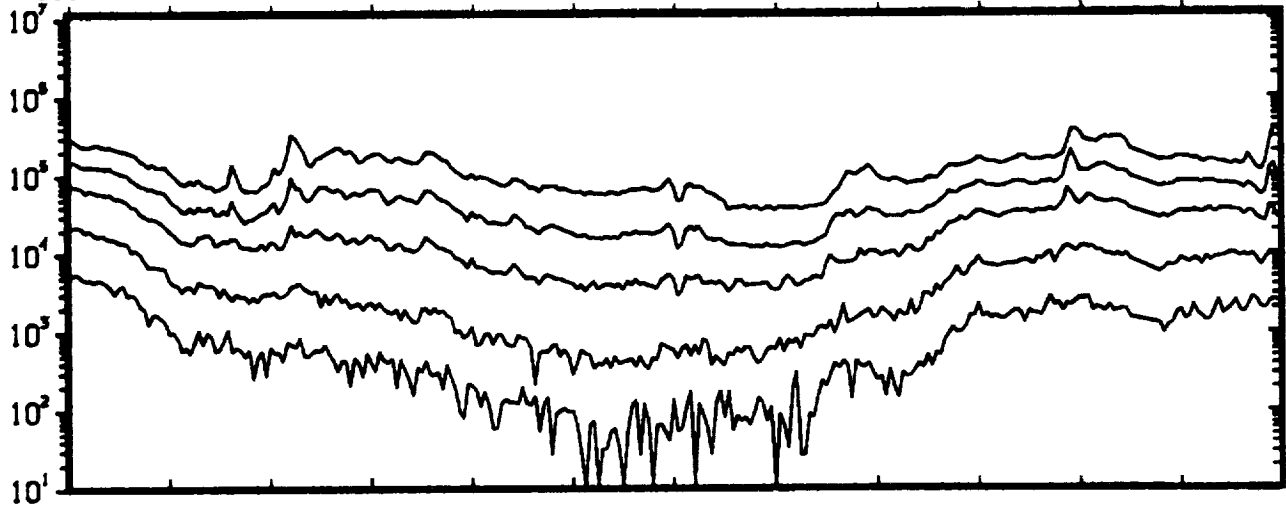
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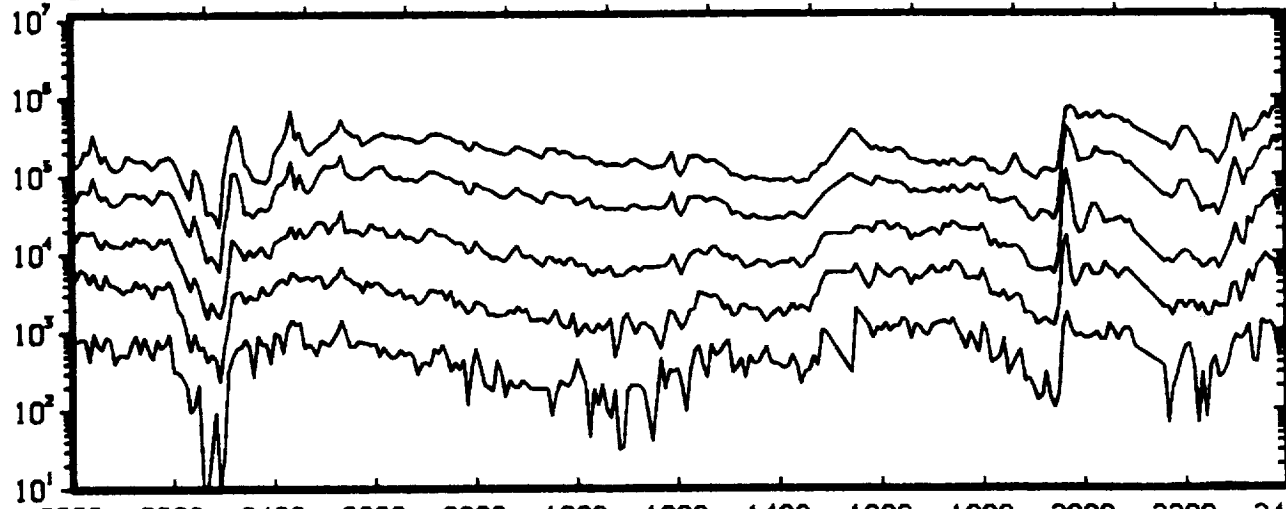
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

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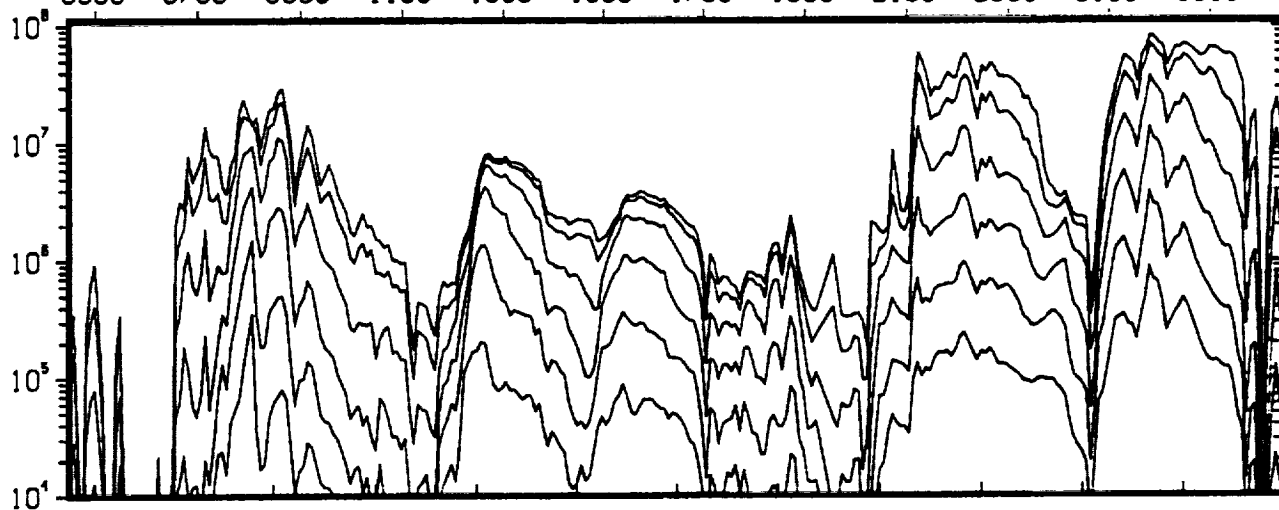
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

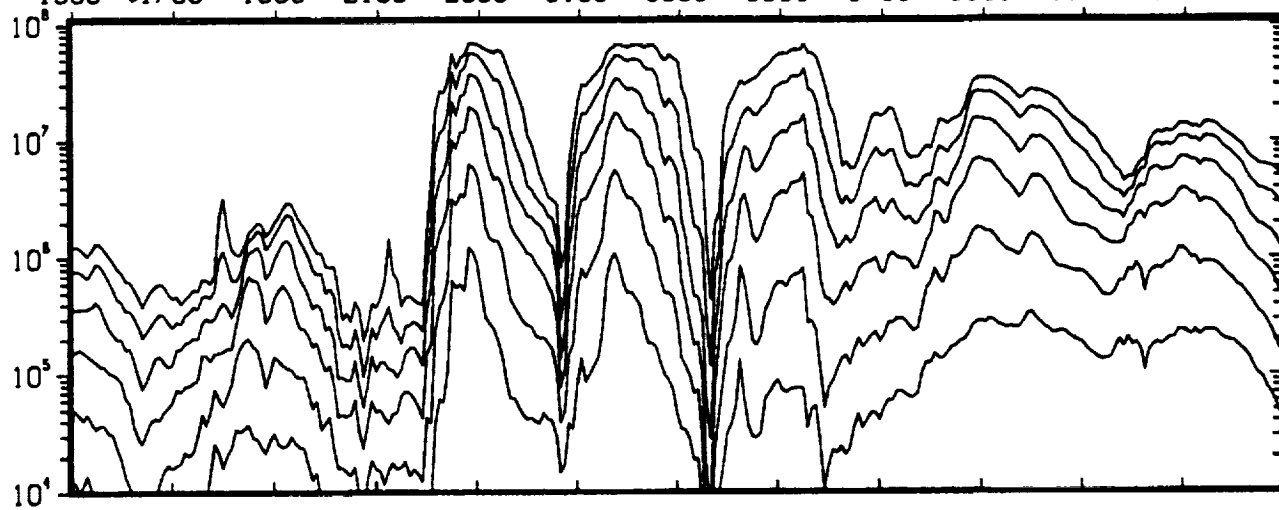
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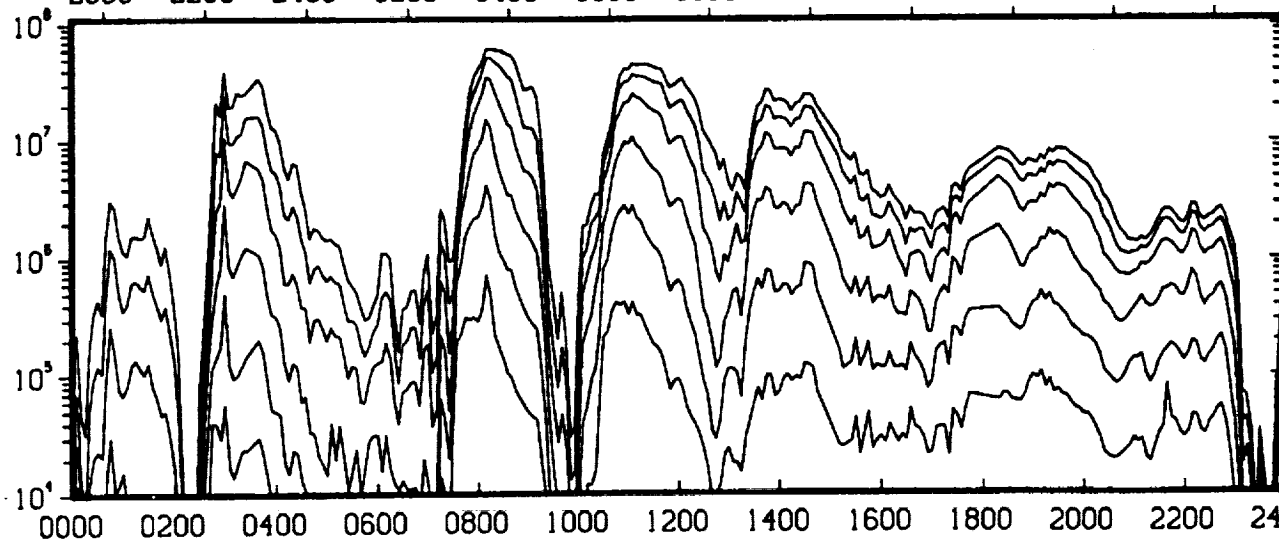
1981-025

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1982-019

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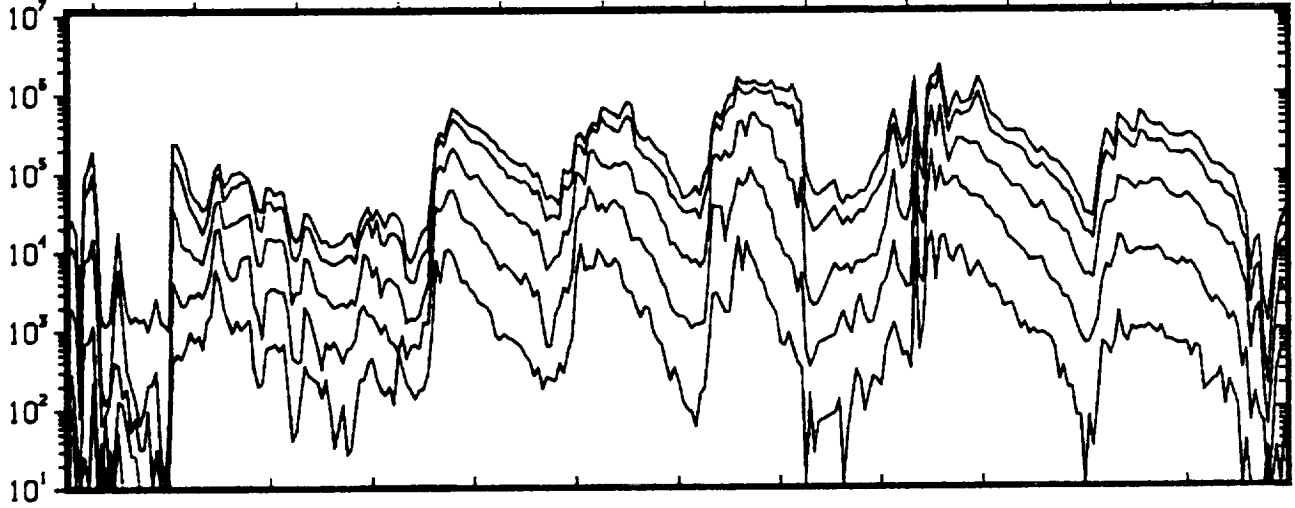
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/03/02

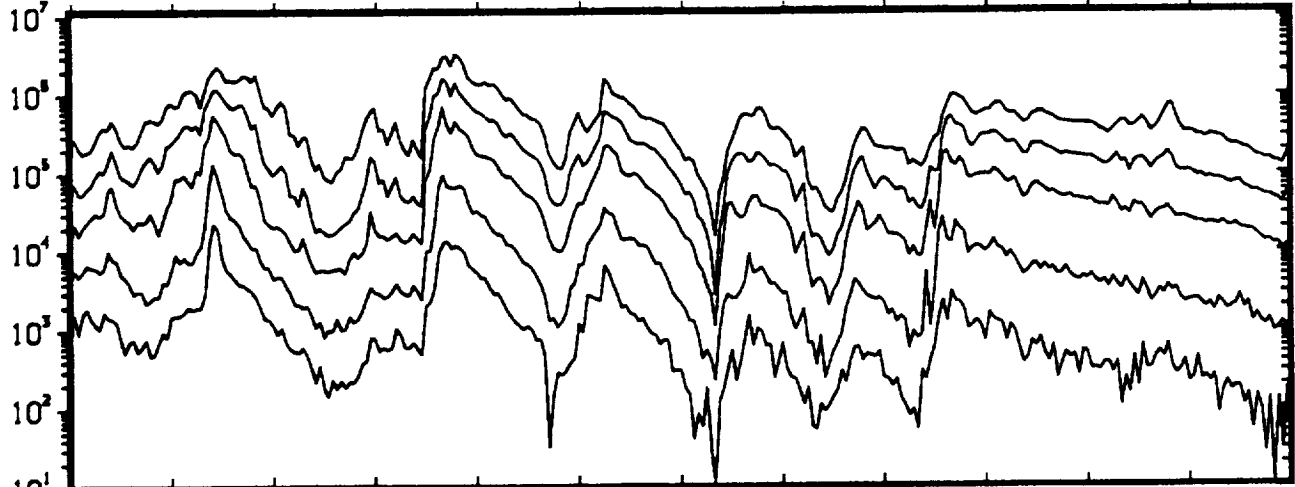
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

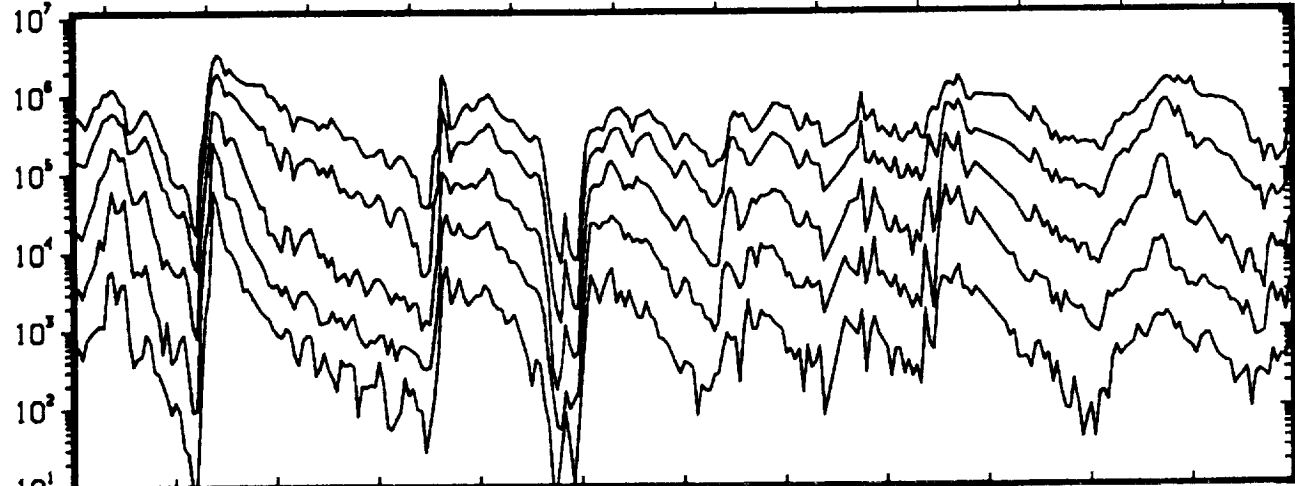
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1982-019

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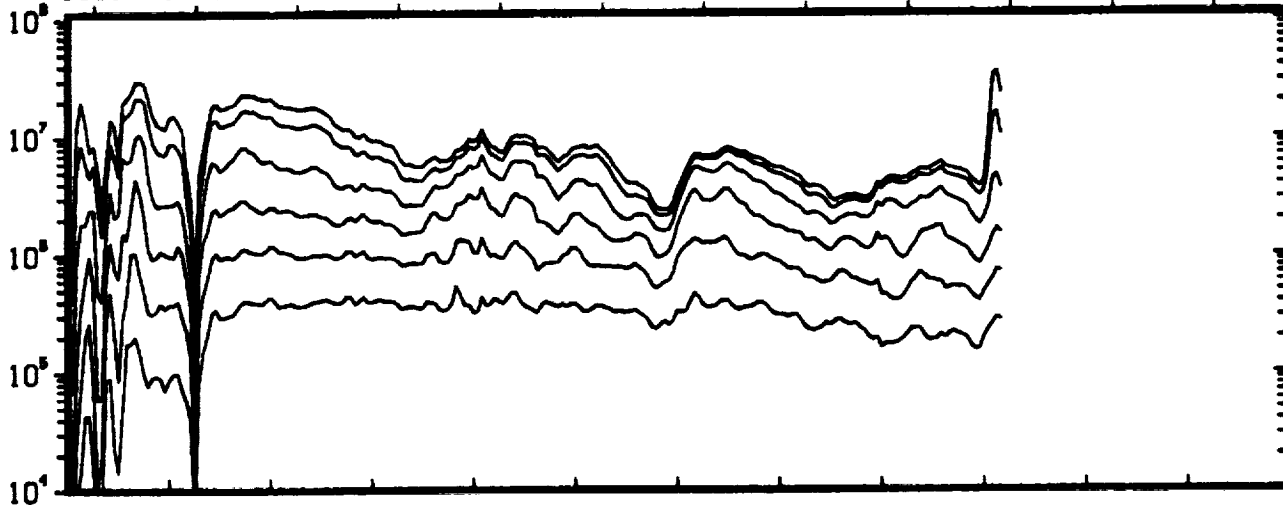
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# LOW ENERGY ELECTRONS

1977-007

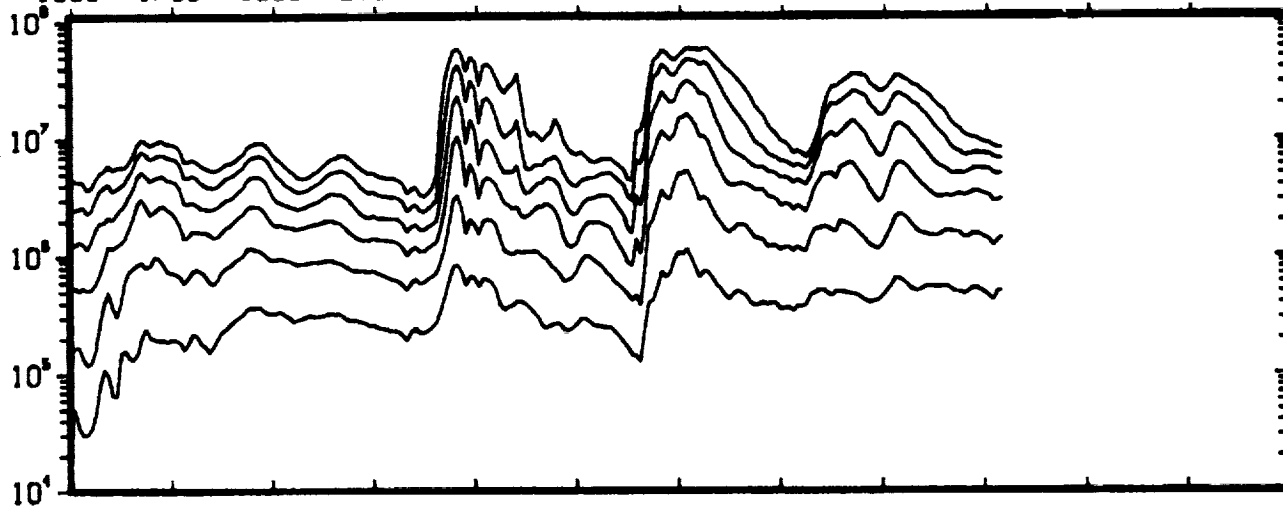
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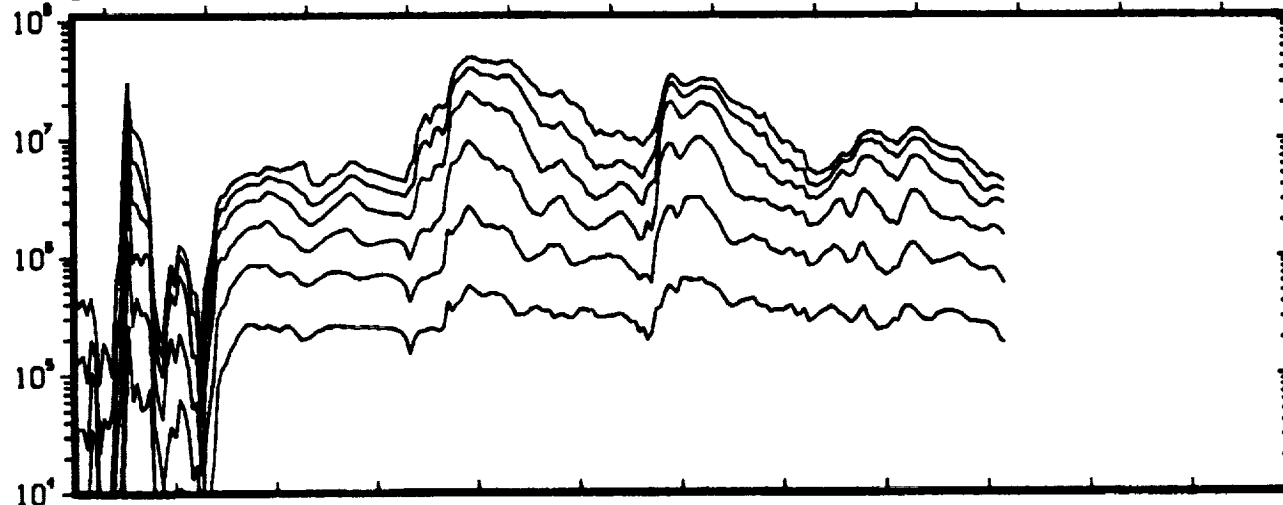
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1982-019

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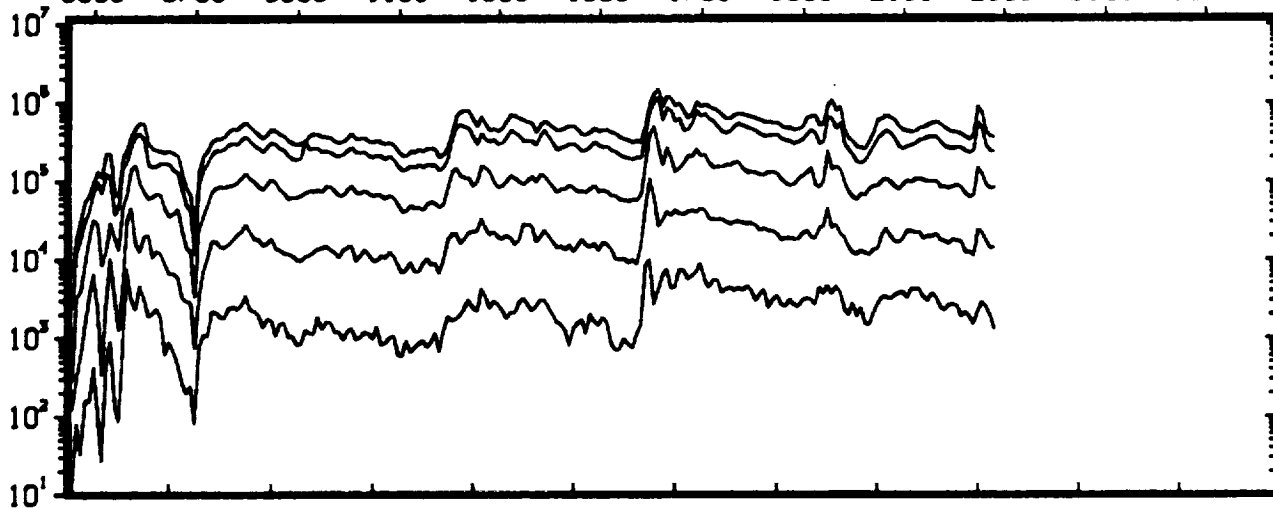
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

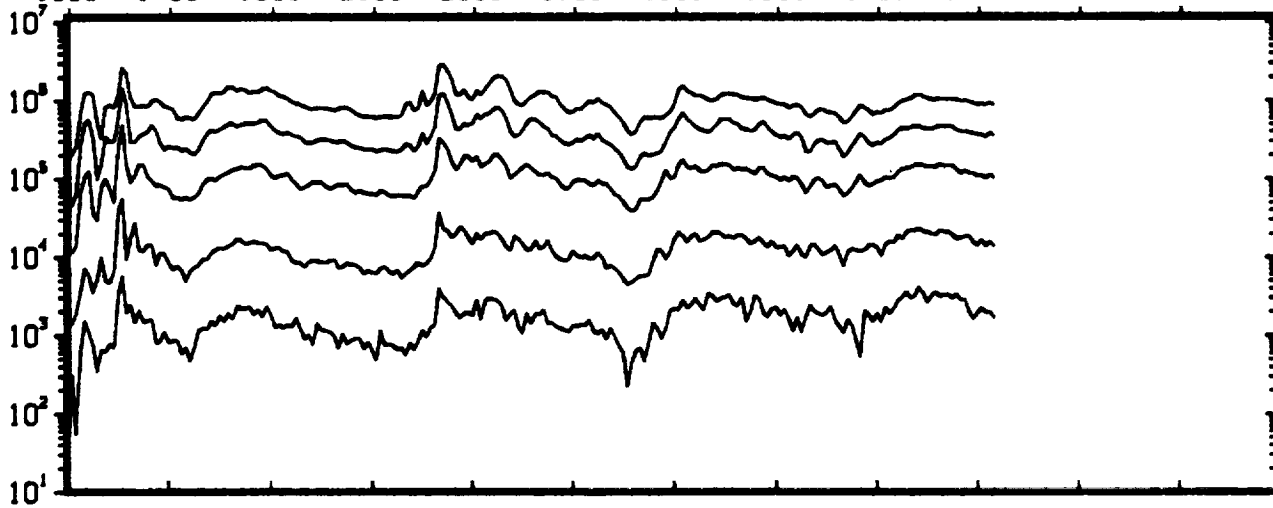
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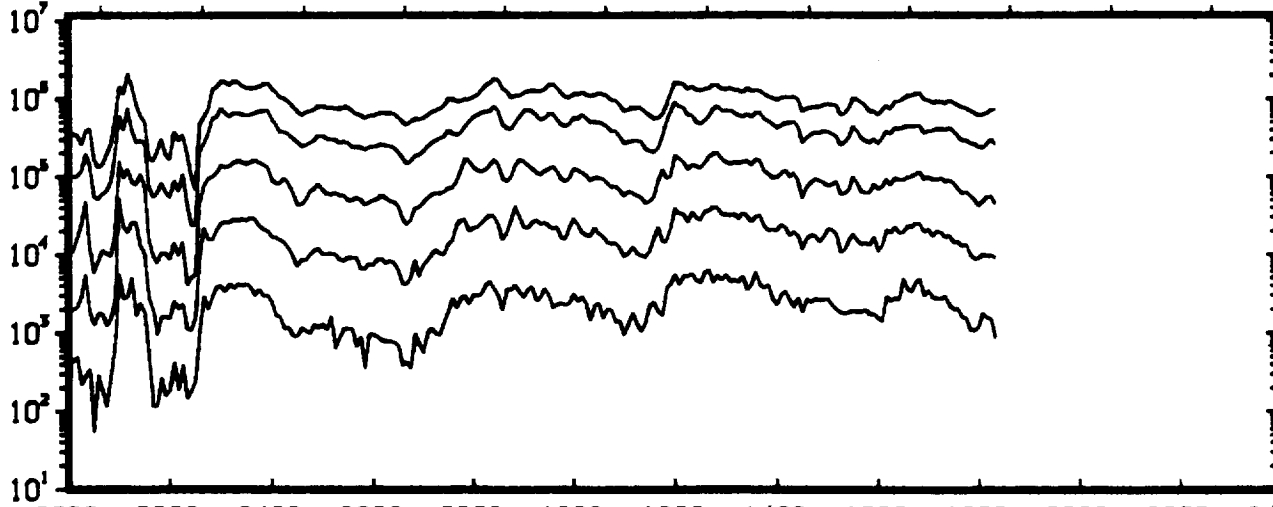
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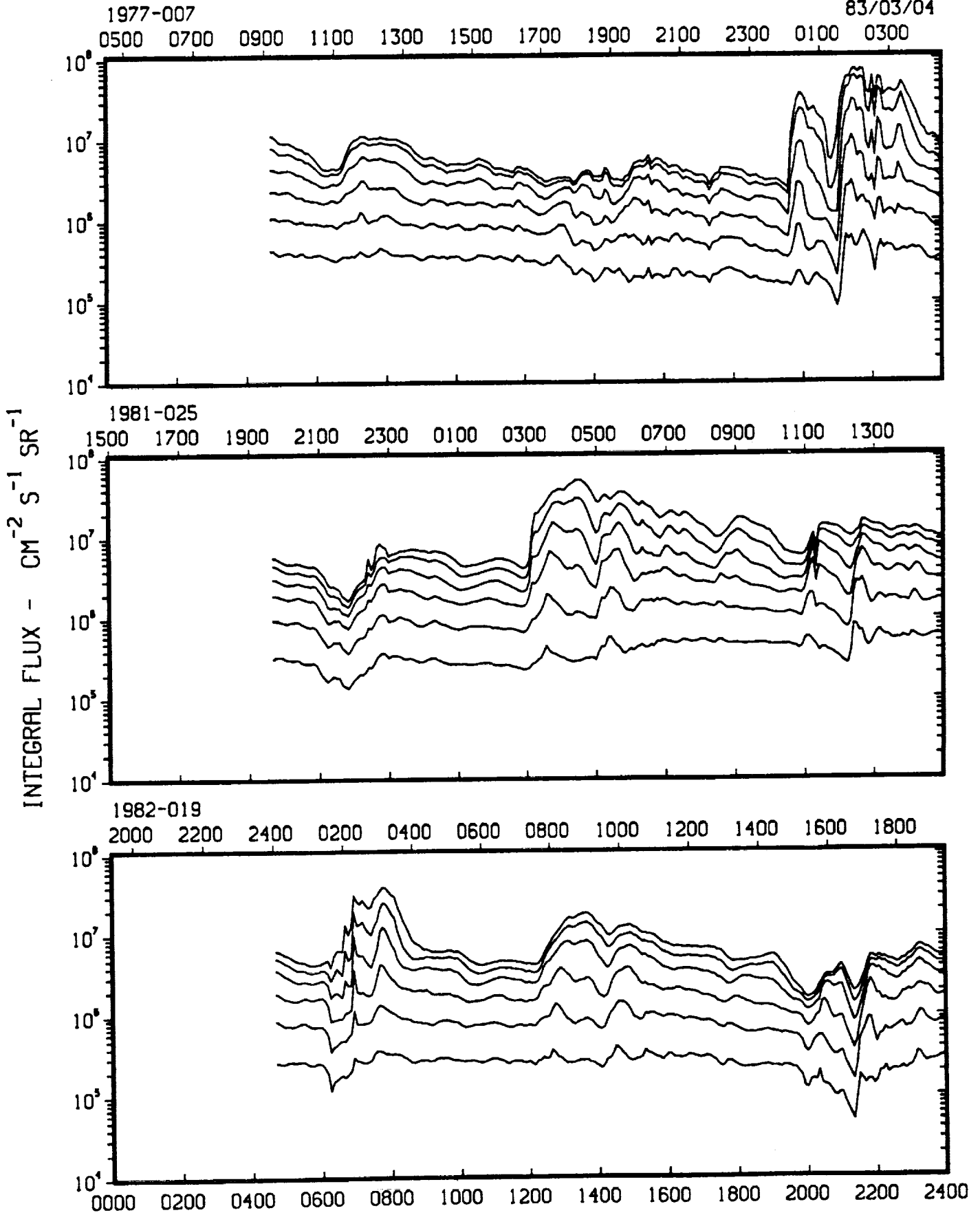
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

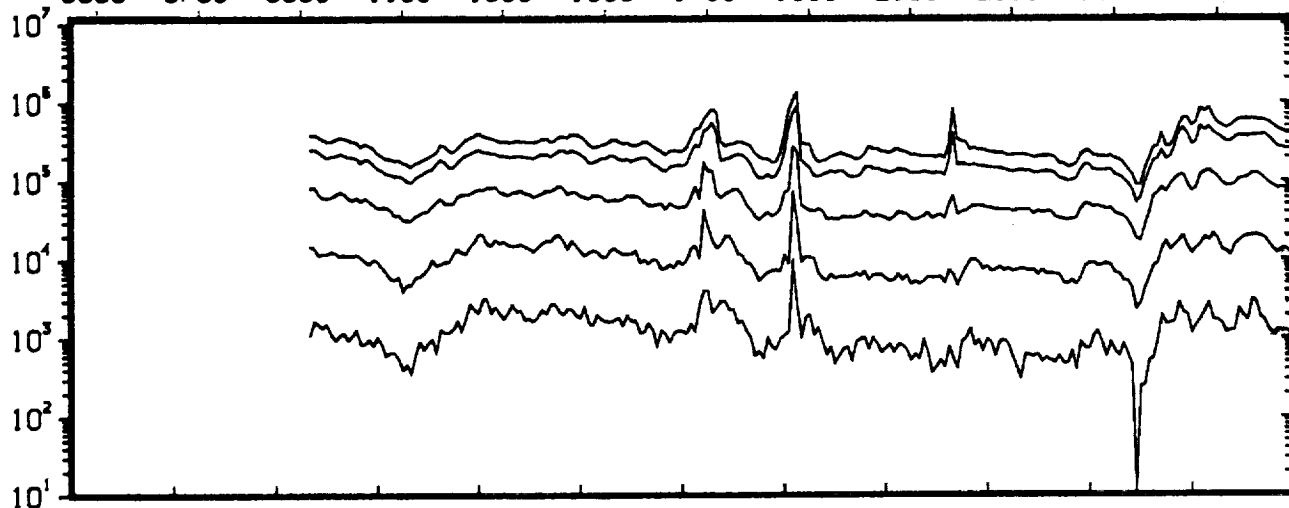


# LOW ENERGY IONS

1977-007

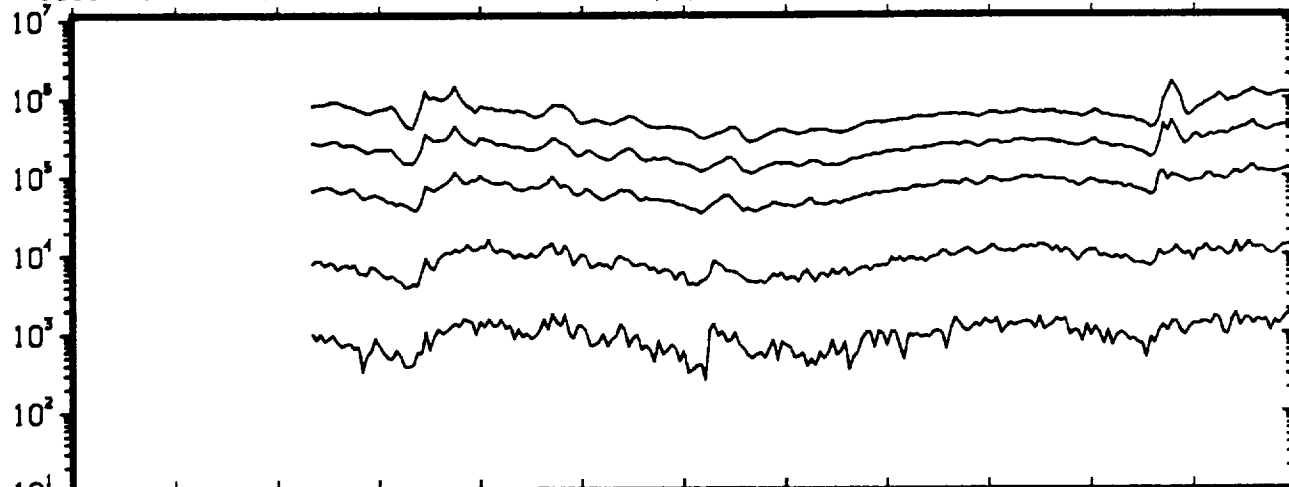
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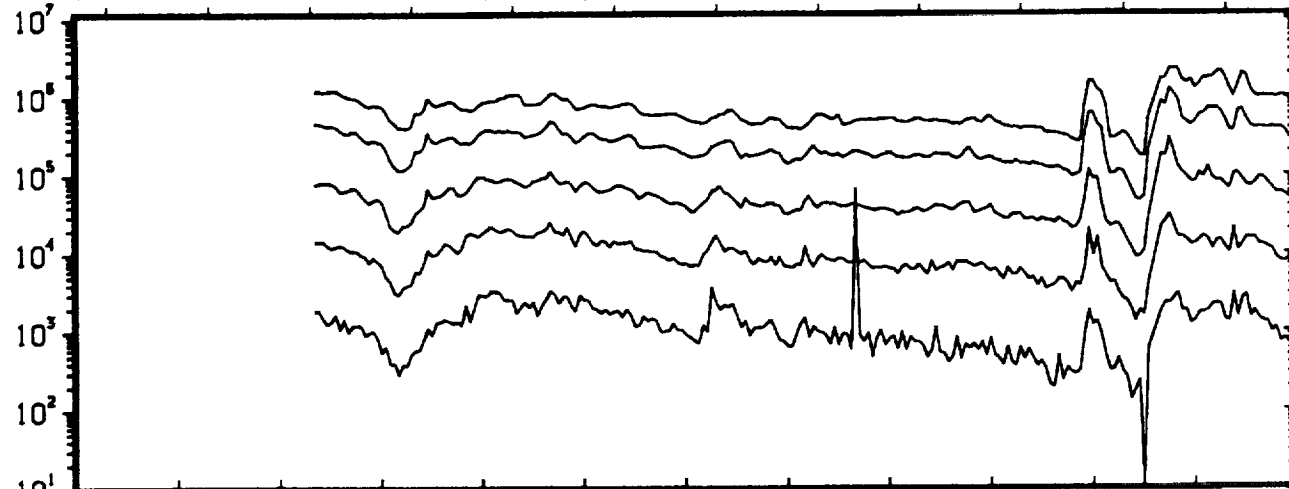
1981-025

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1982-019

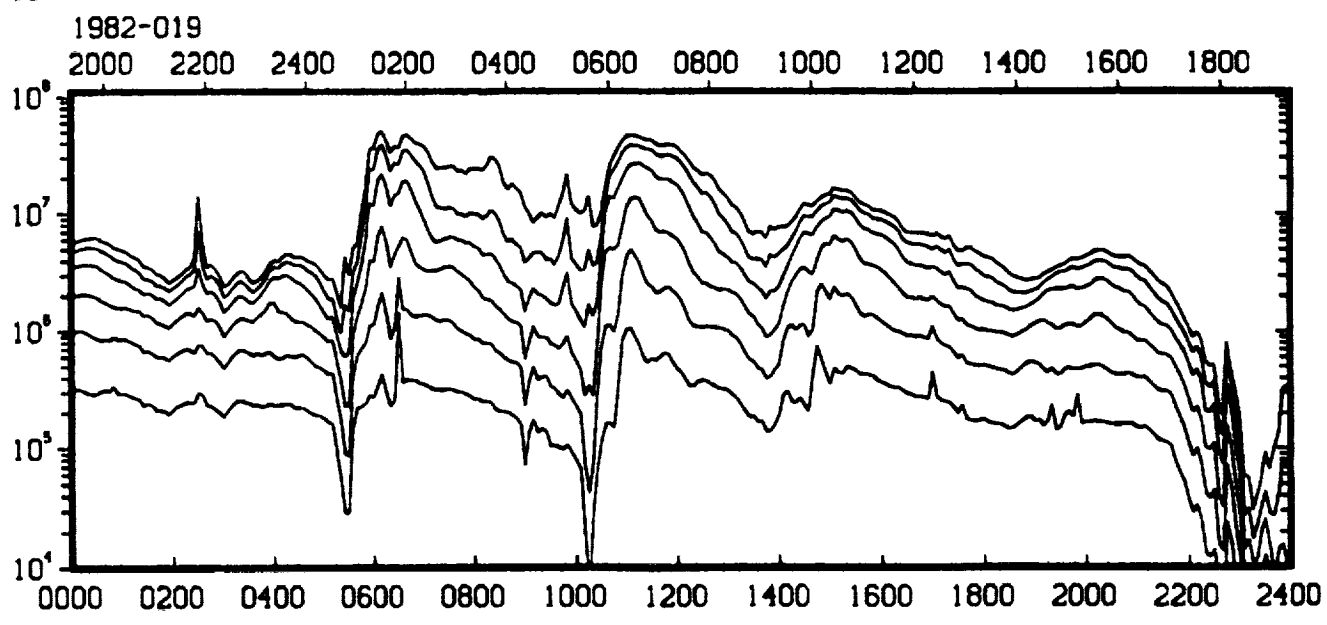
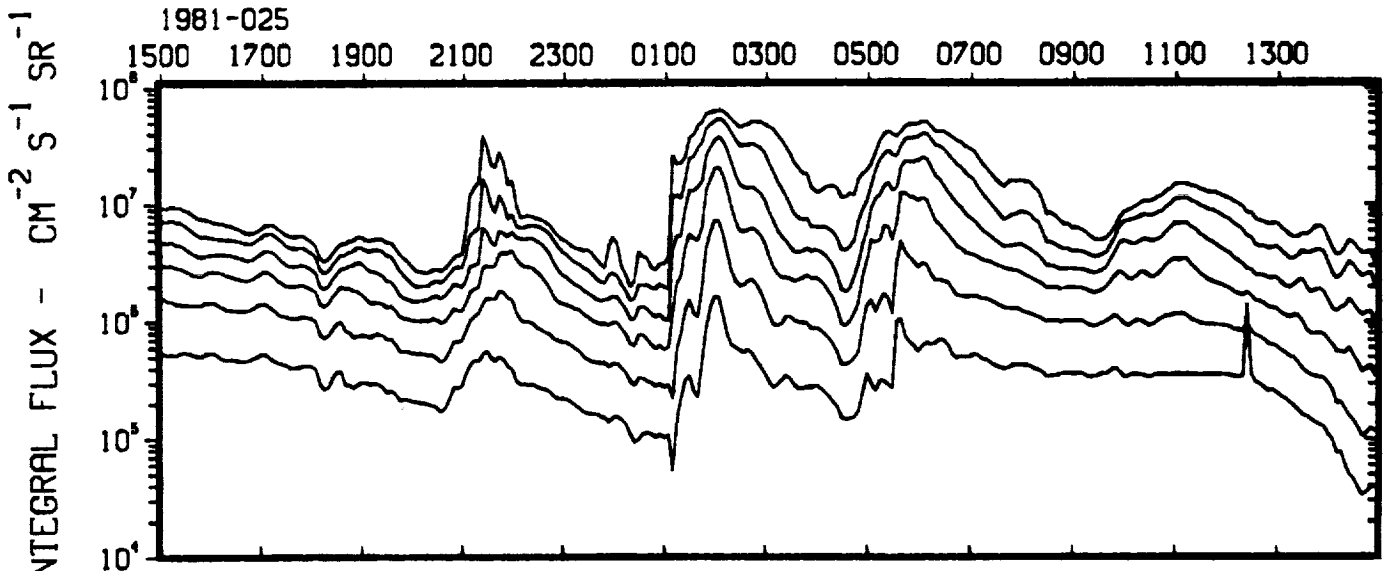
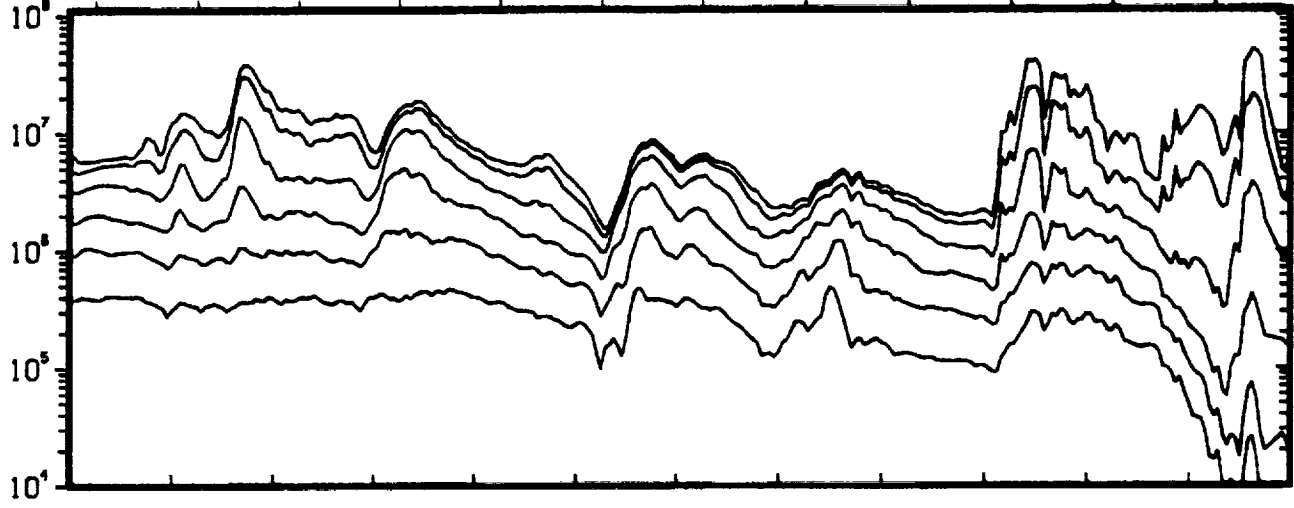
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007 83/03/05  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

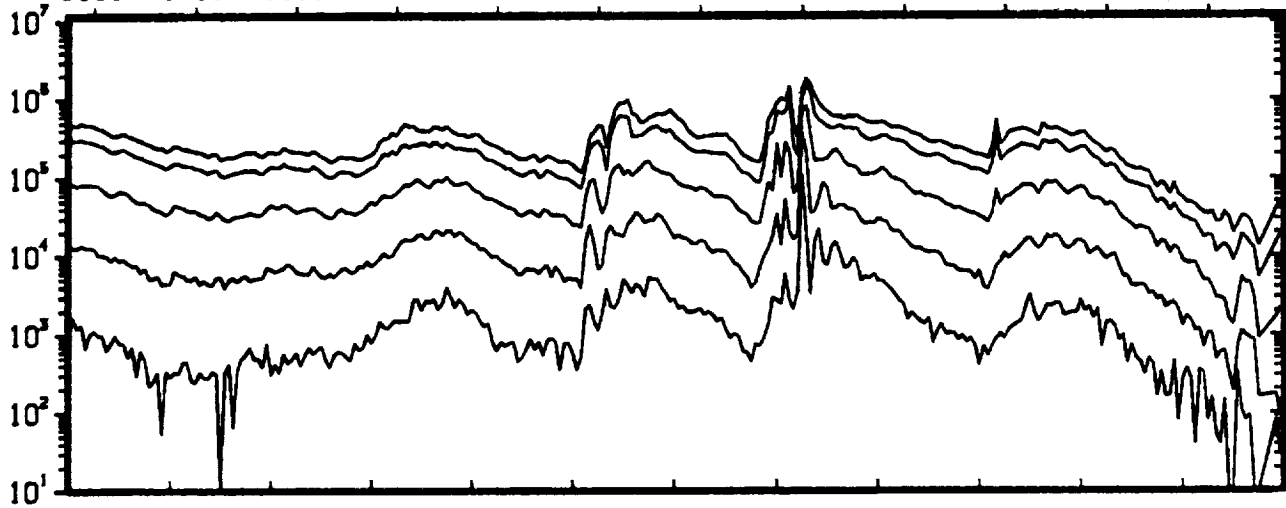


# LOW ENERGY IONS

1977-007

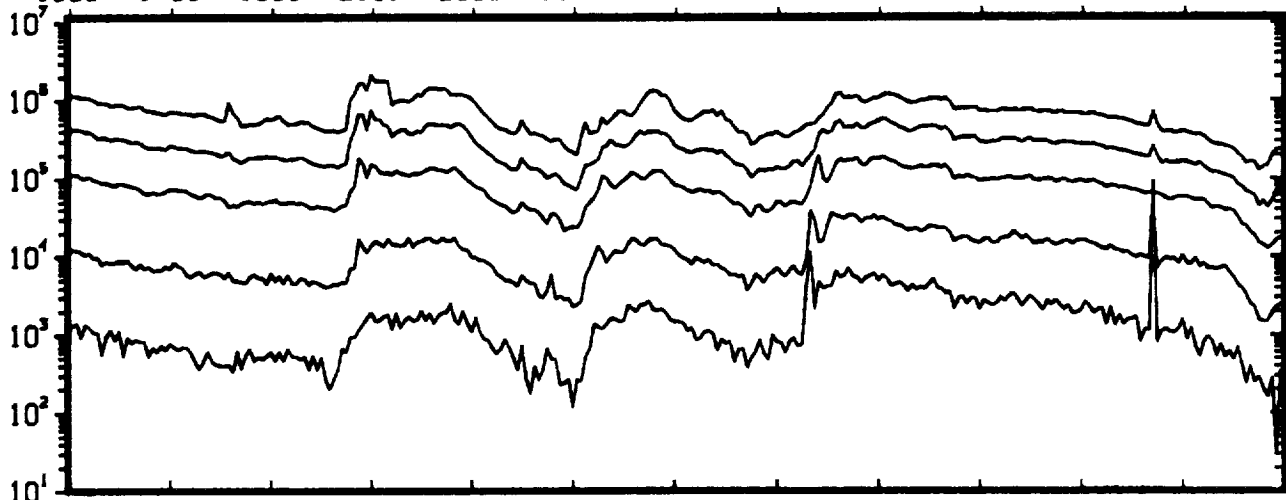
83/03/05

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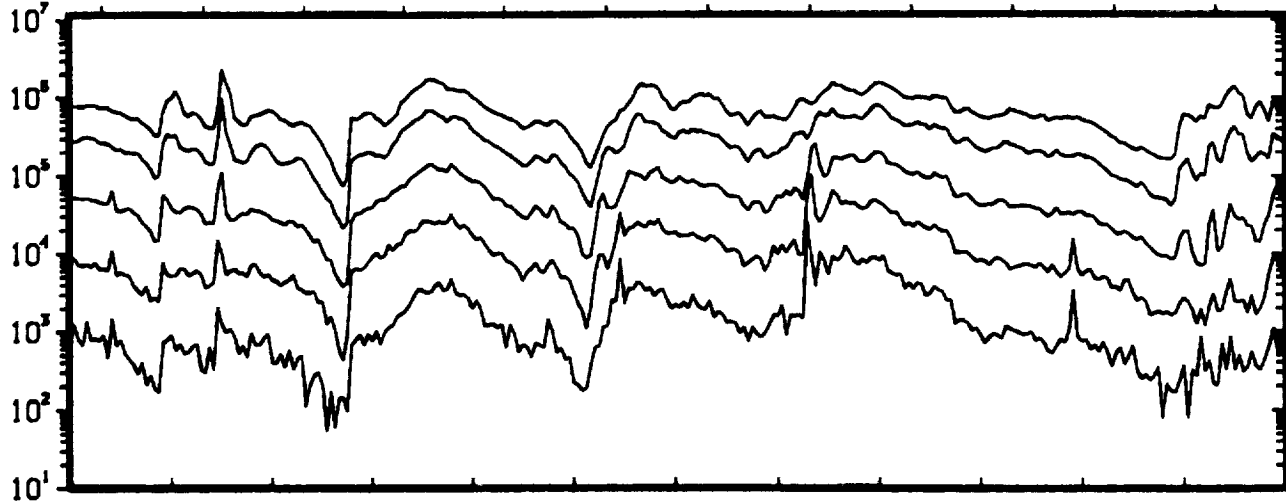
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



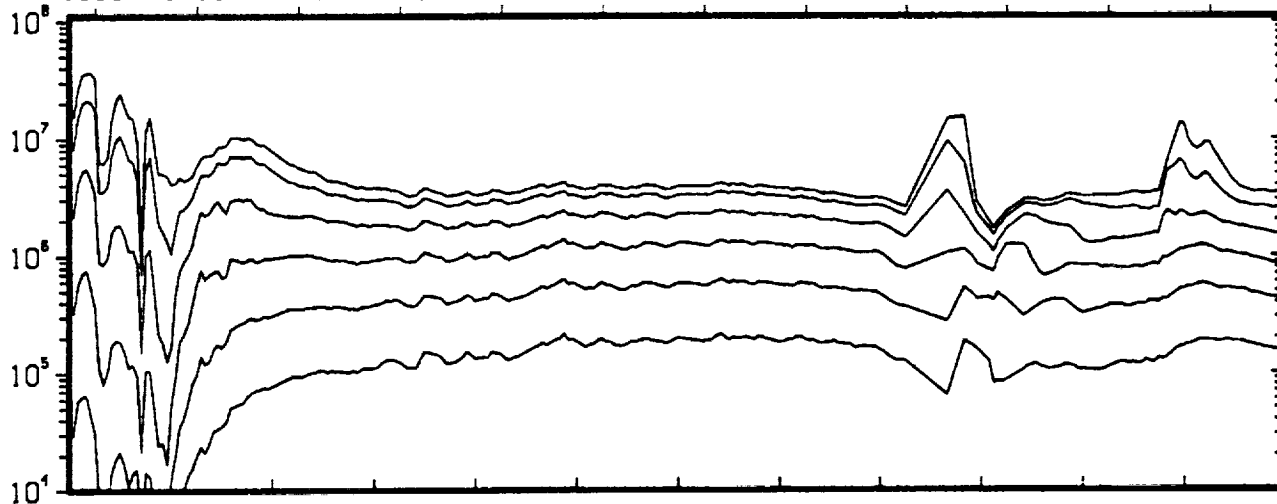
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

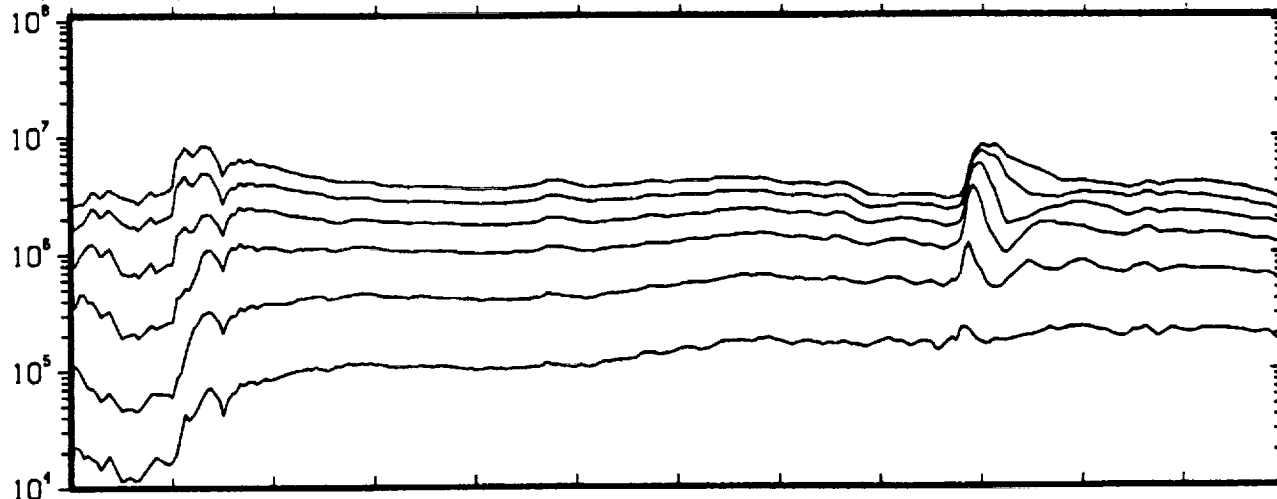
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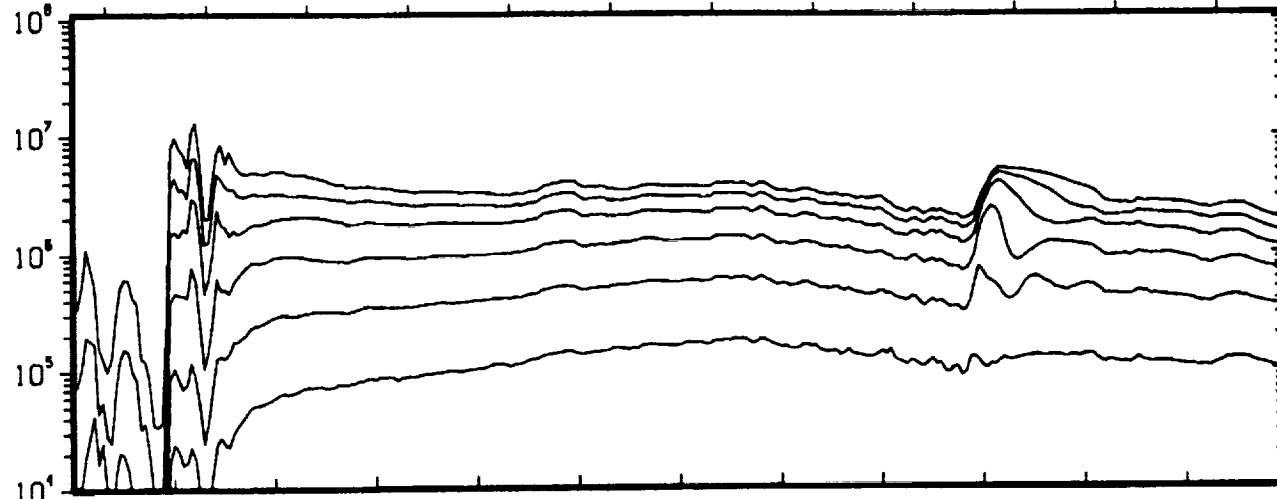
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



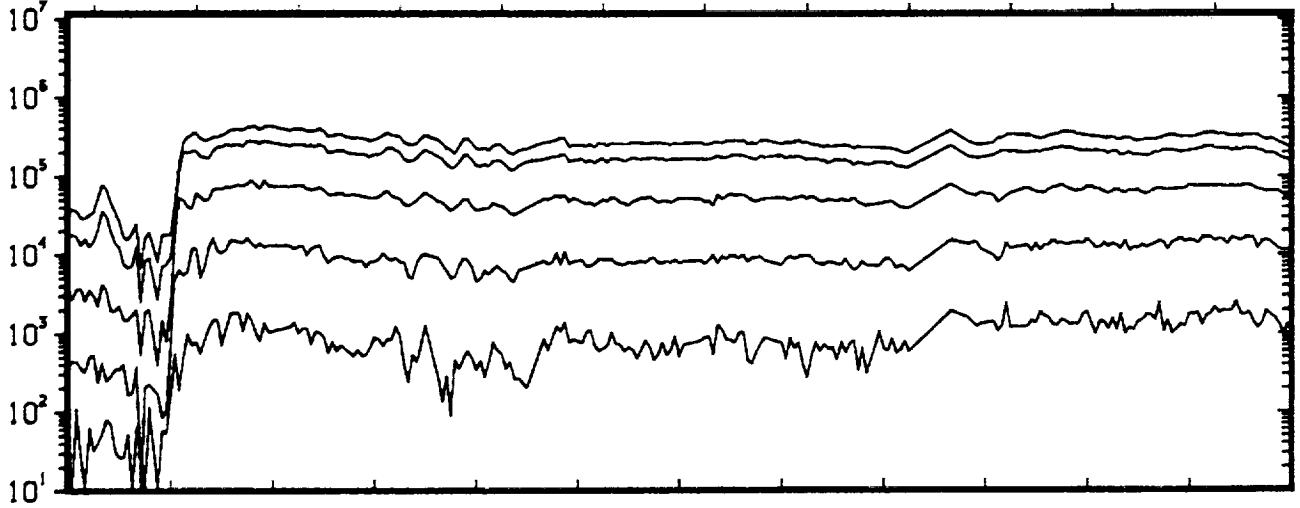
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/03/06

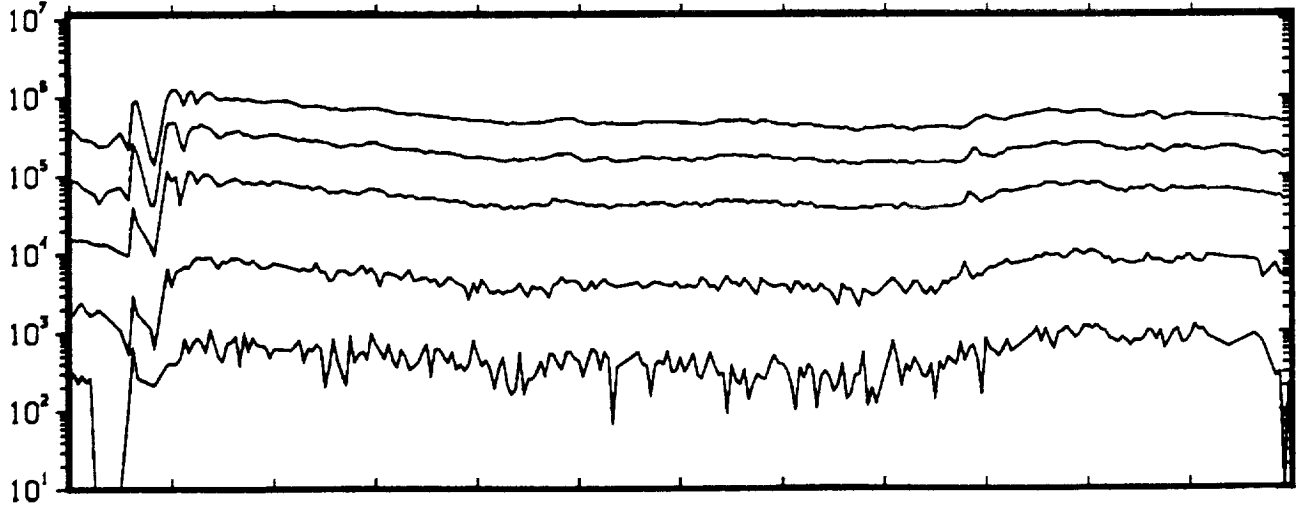
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

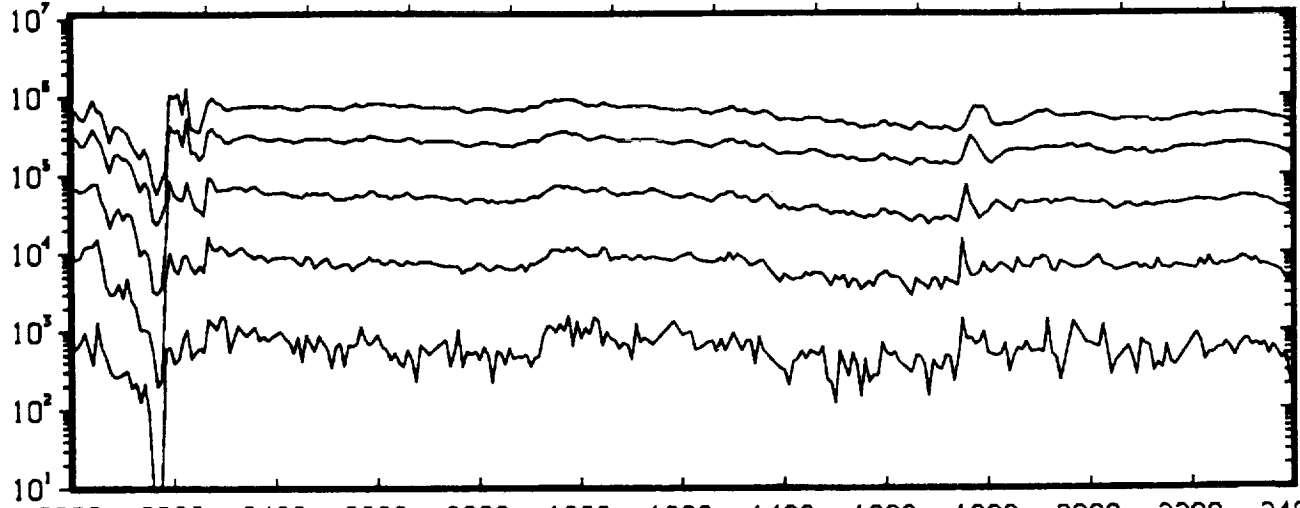
1981-025

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1982-019

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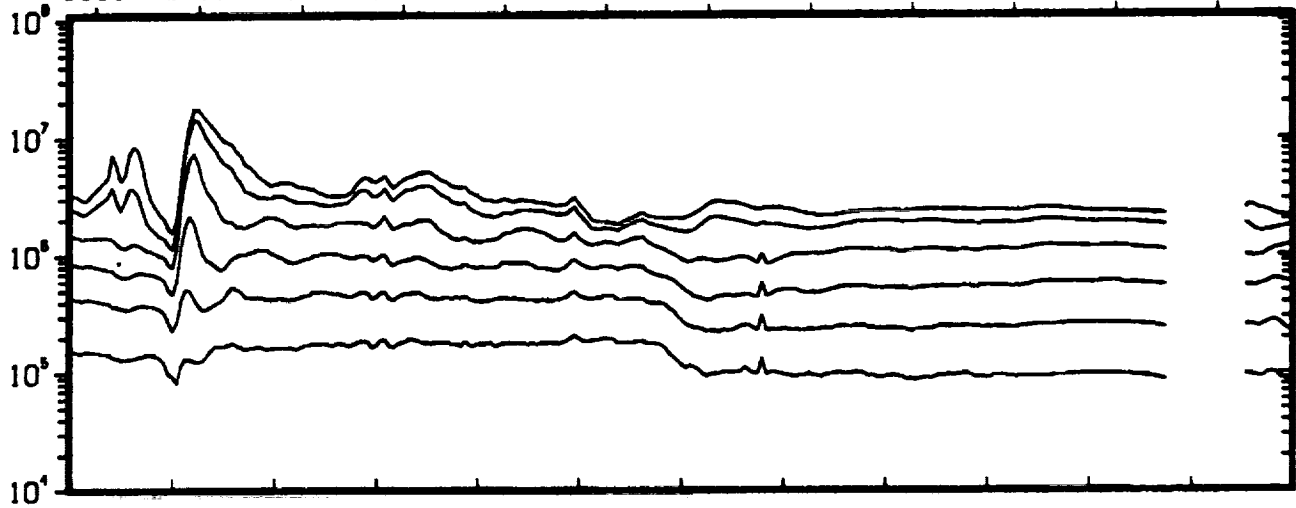


# LOW ENERGY ELECTRONS

1977-007

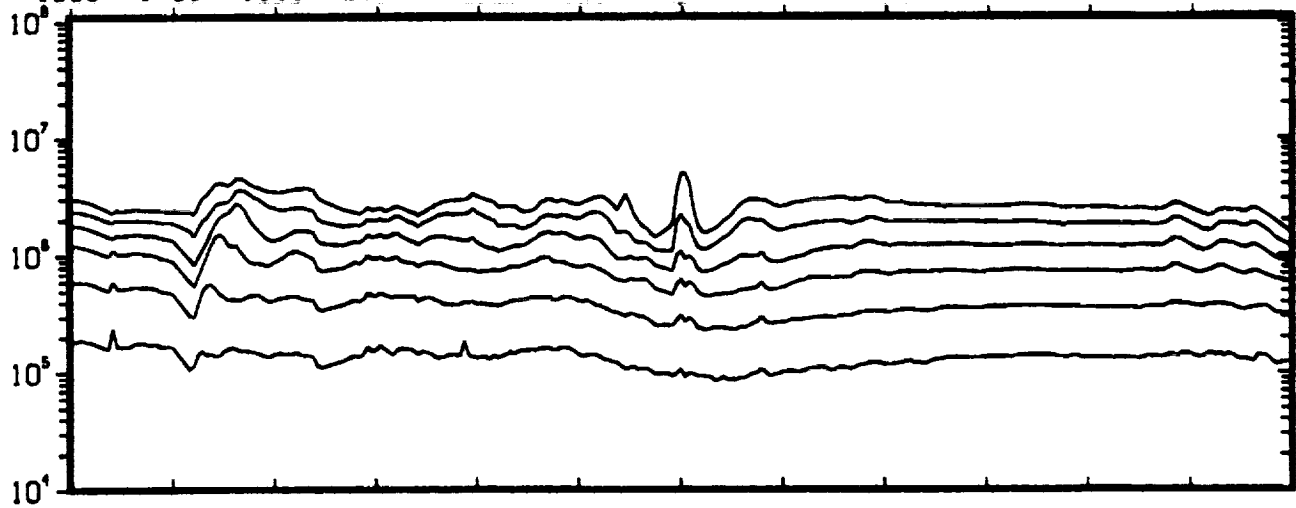
83/03/07

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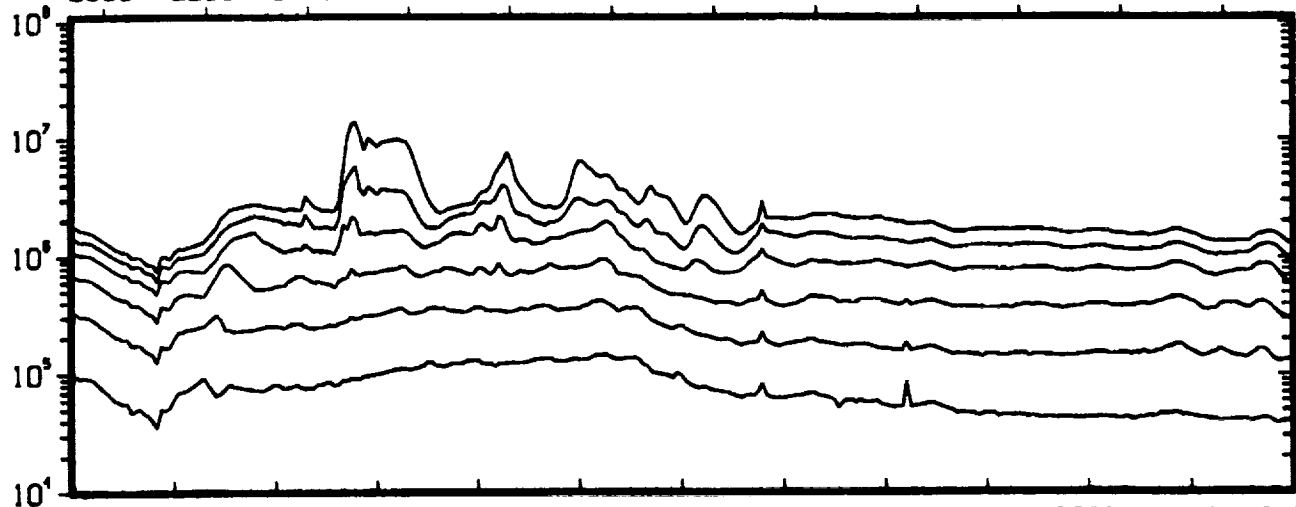
1981-025

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1982-019

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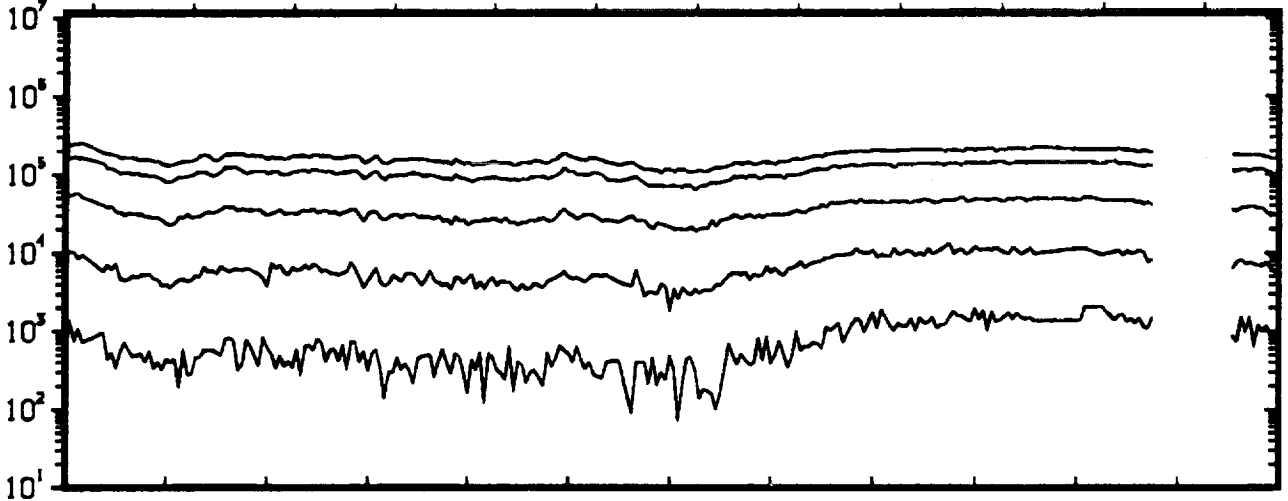
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/03/07

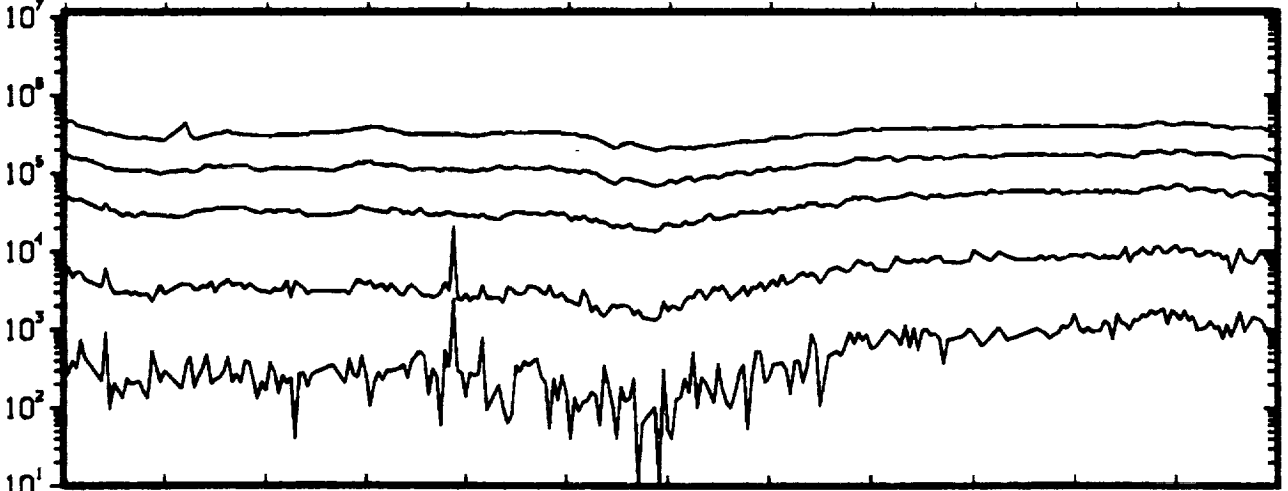
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

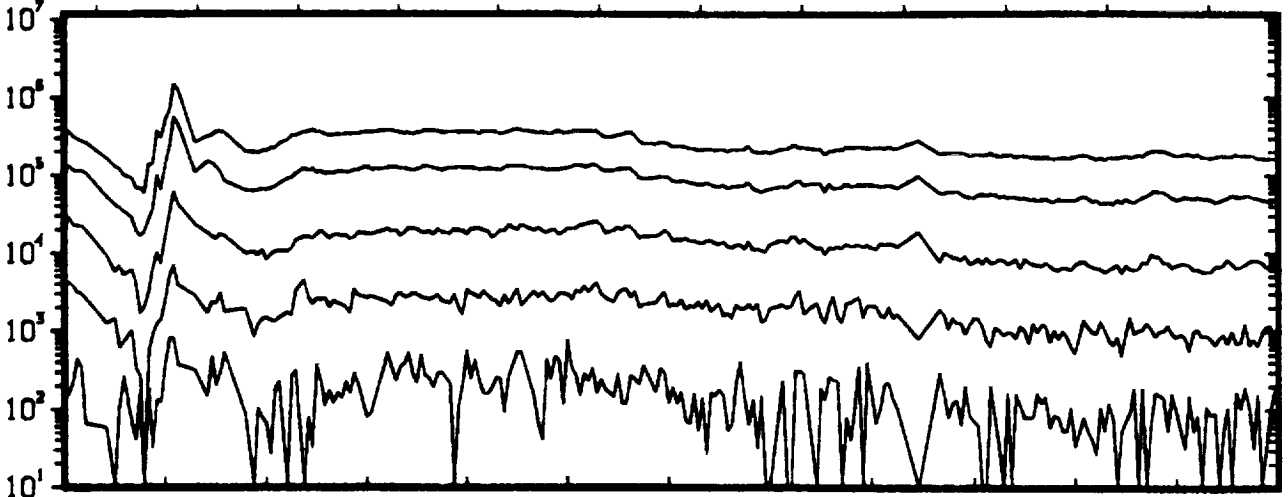
1981-025

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1982-019

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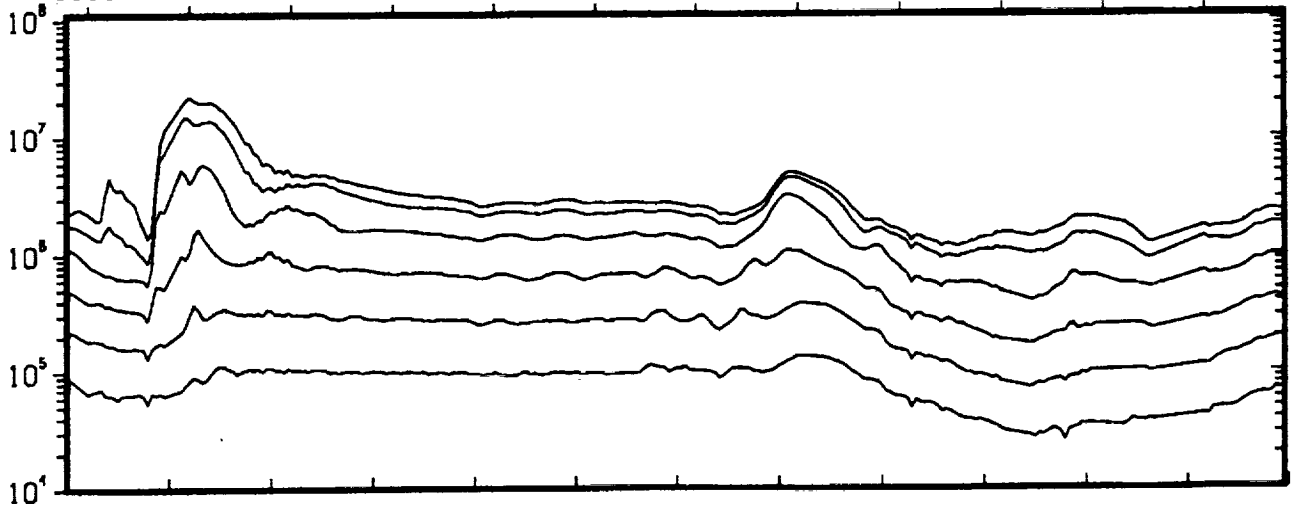
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# LOW ENERGY ELECTRONS

1977-007

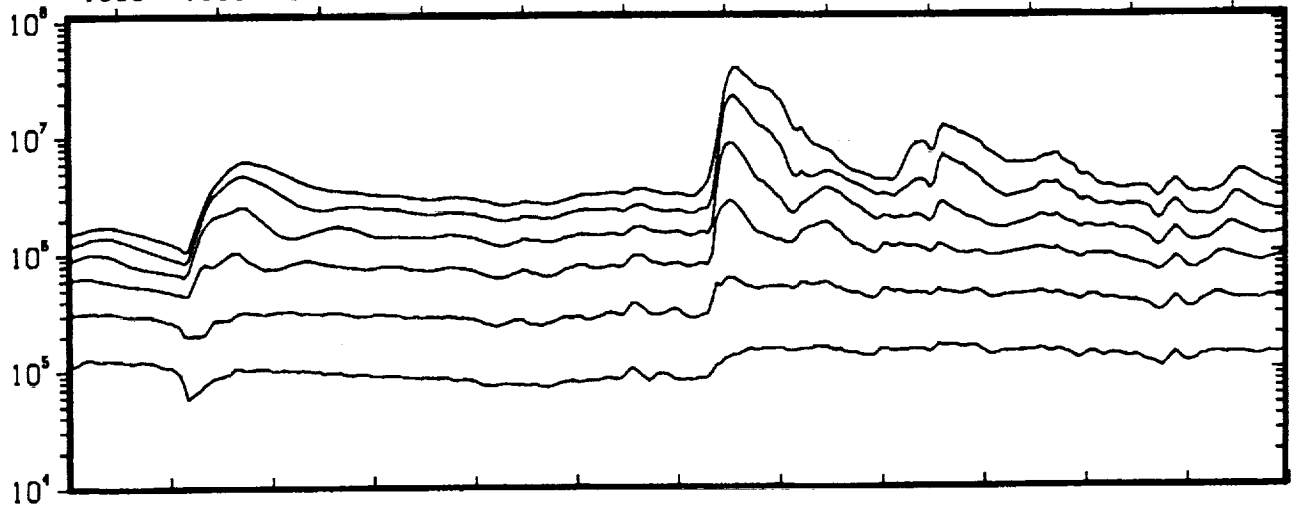
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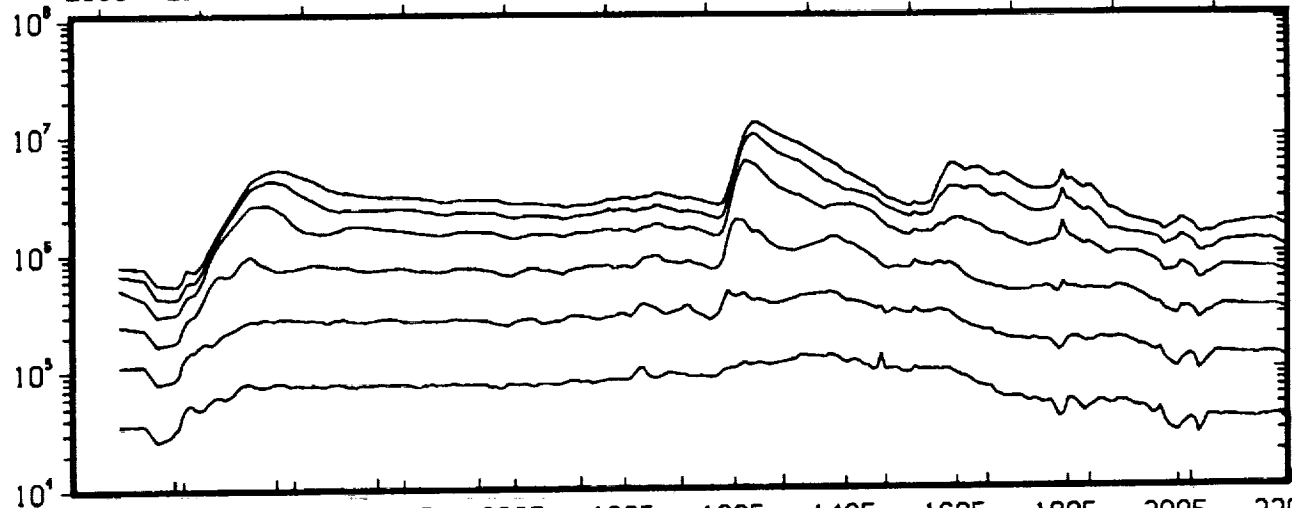
1981-025

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1982-019

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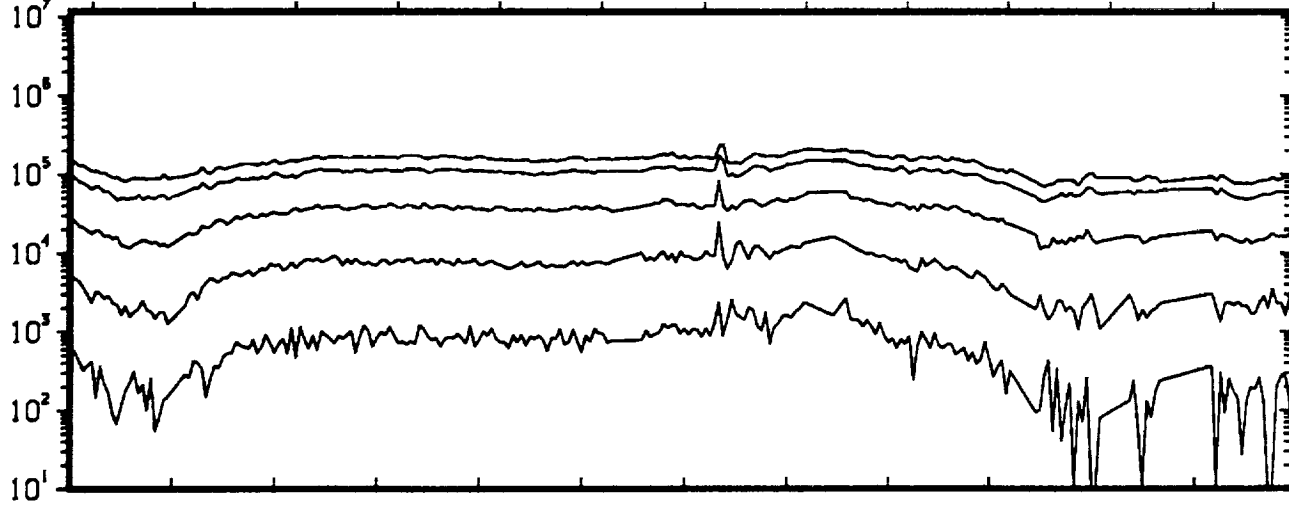
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

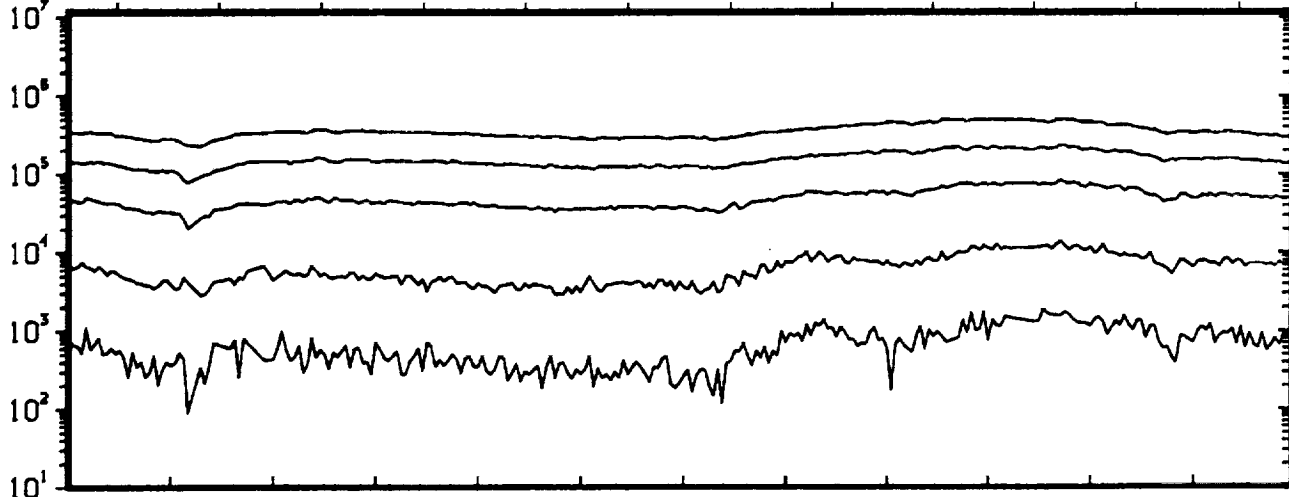
83/03/08

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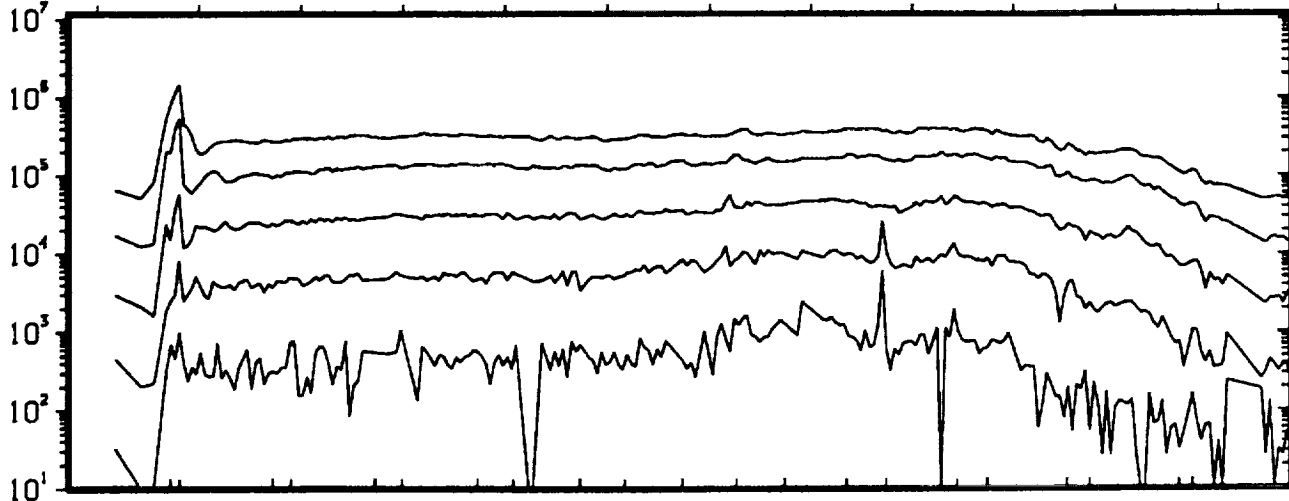
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1982-019

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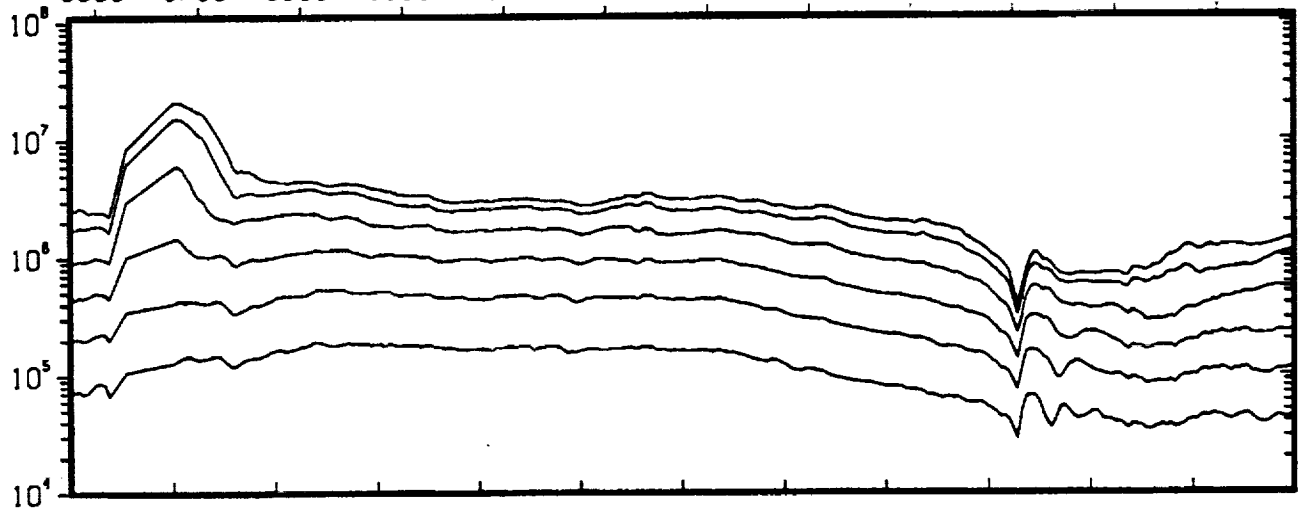
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

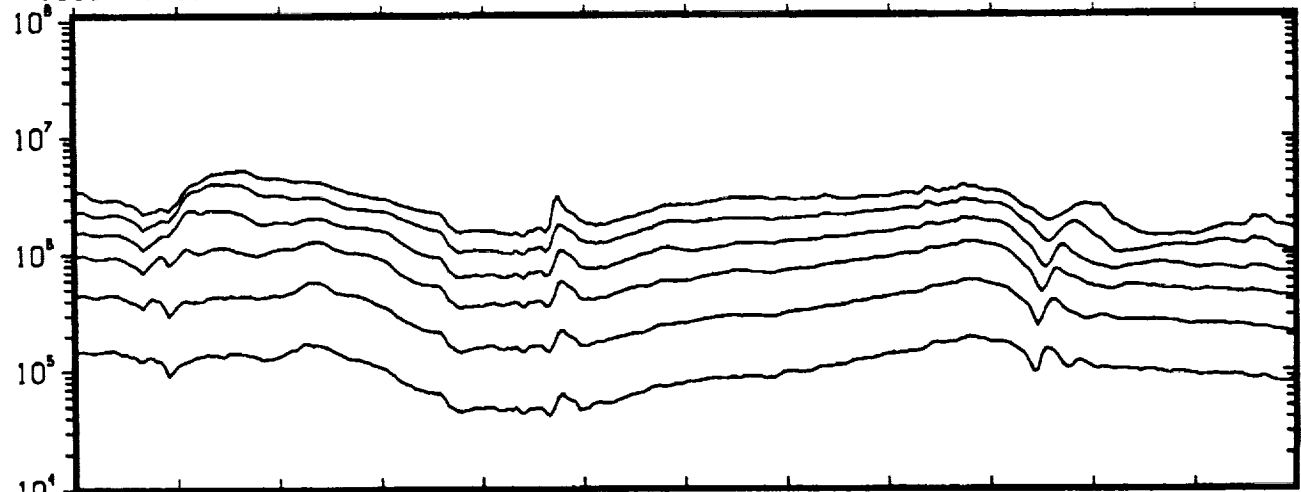
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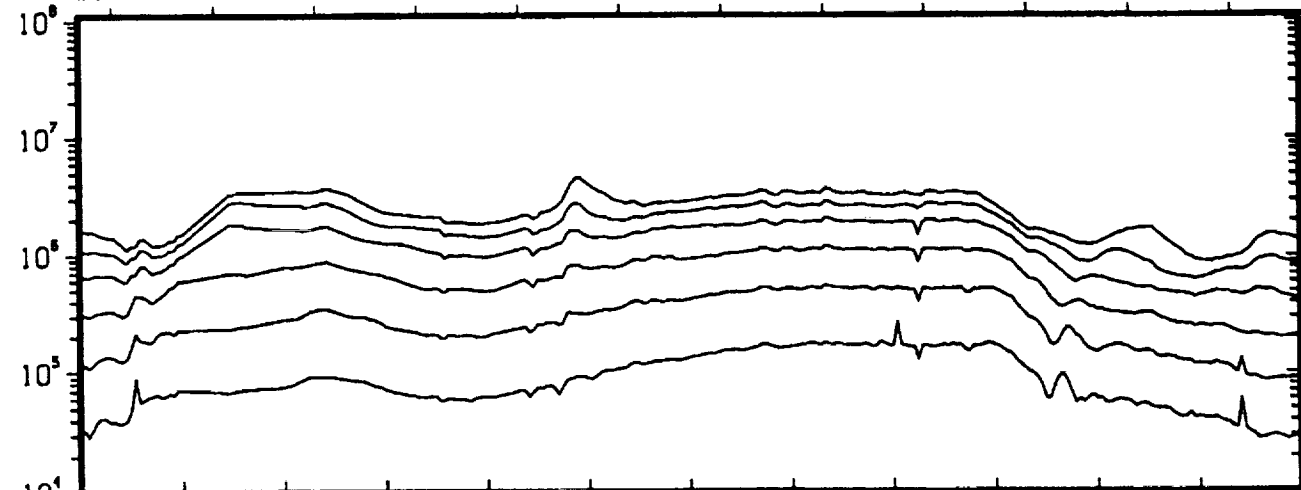
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

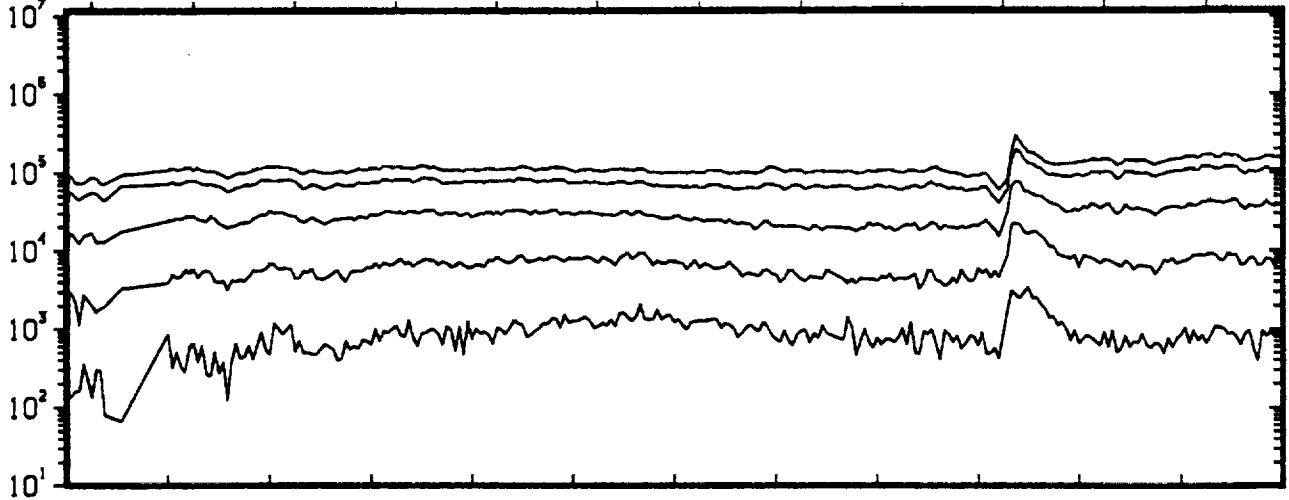


# LOW ENERGY IONS

1977-007

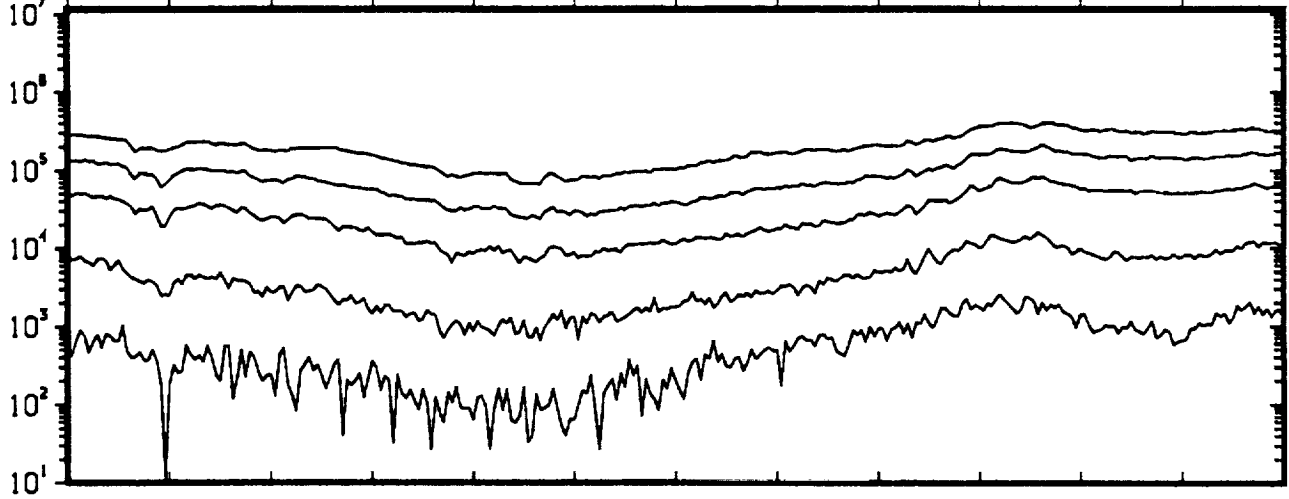
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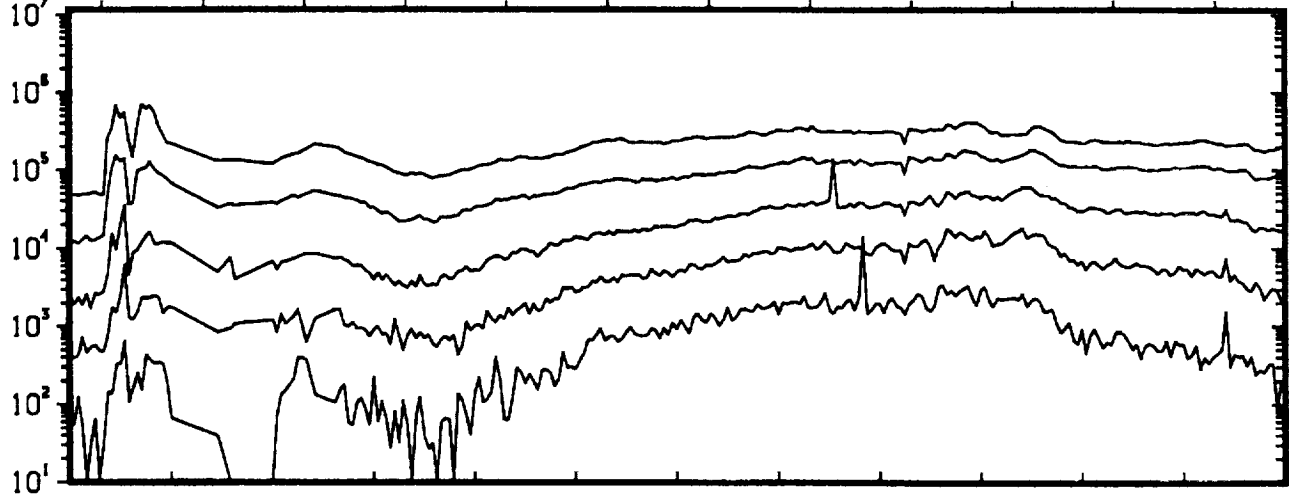
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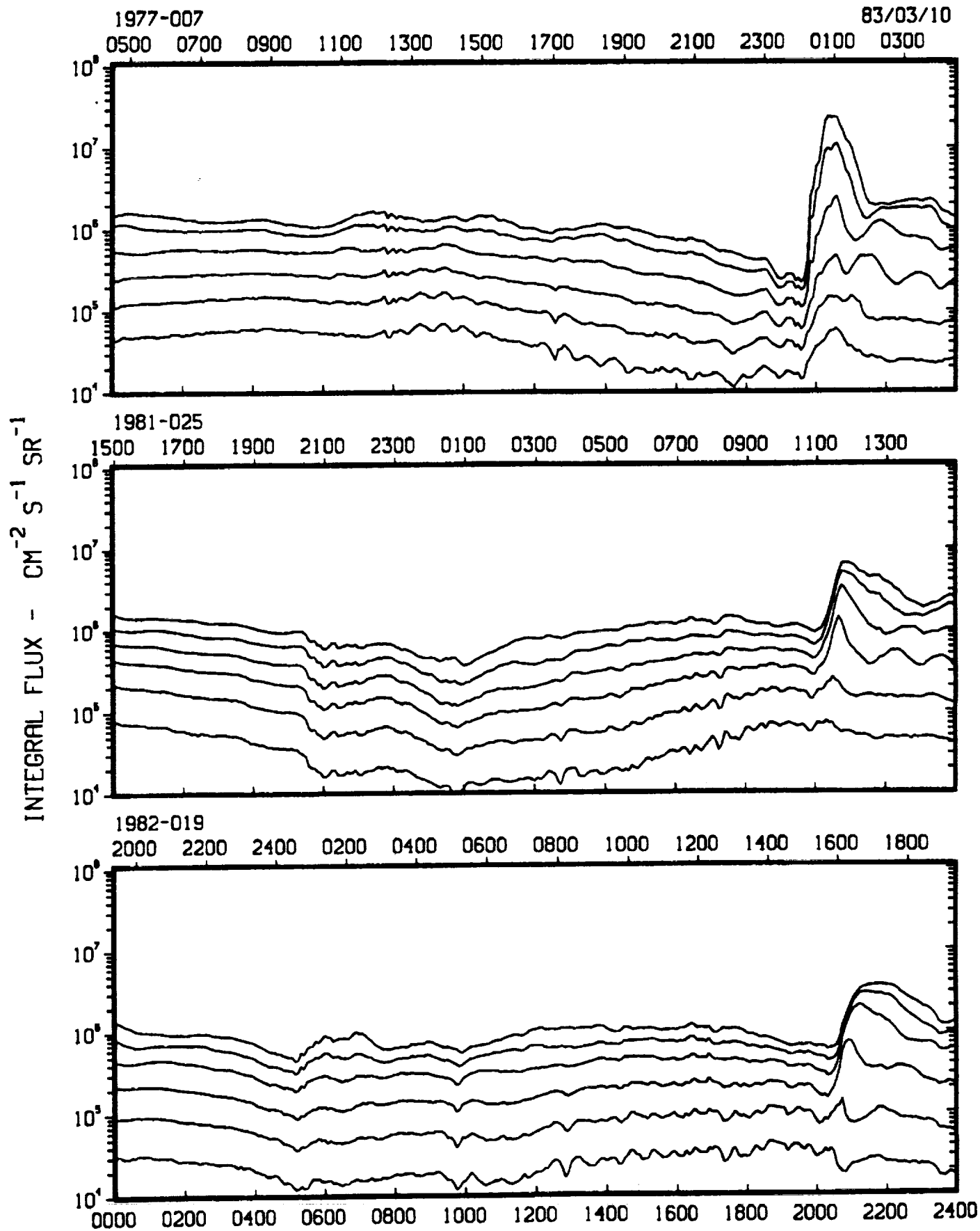
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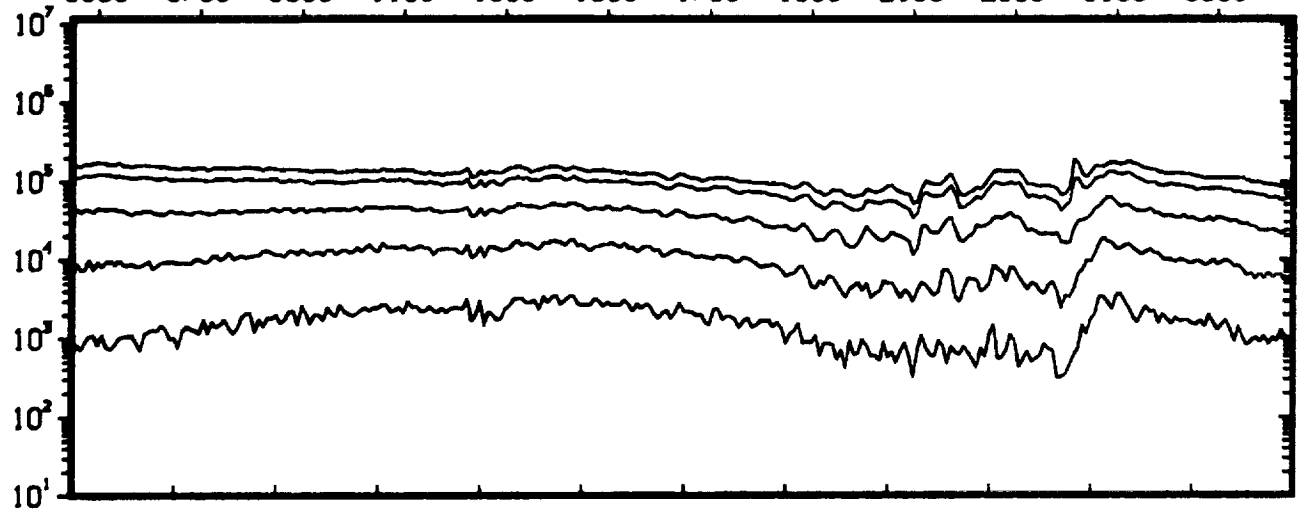
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS



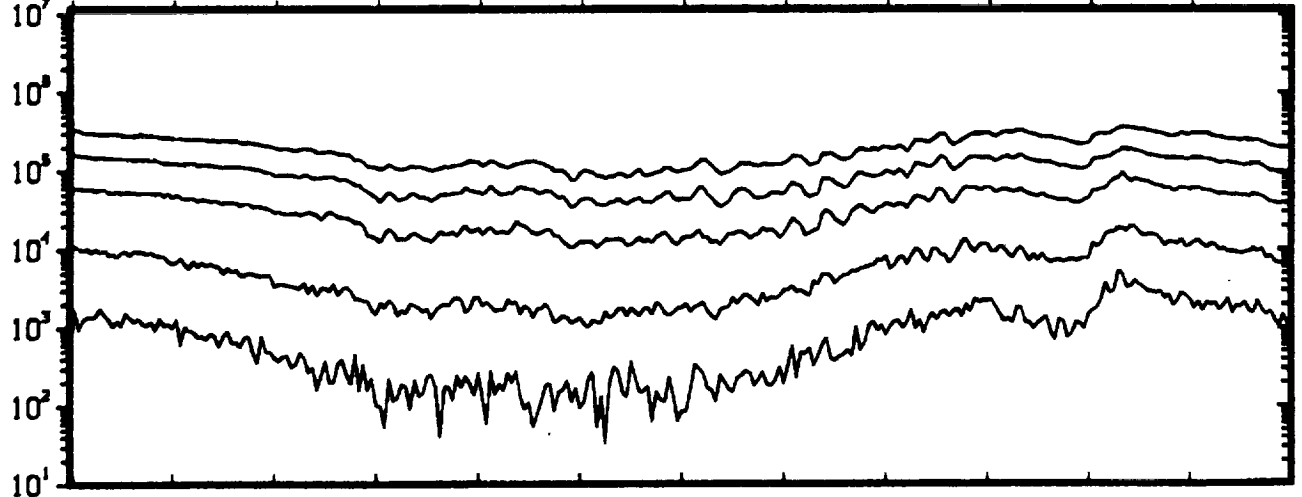
# LOW ENERGY IONS

1977-007 83/03/10  
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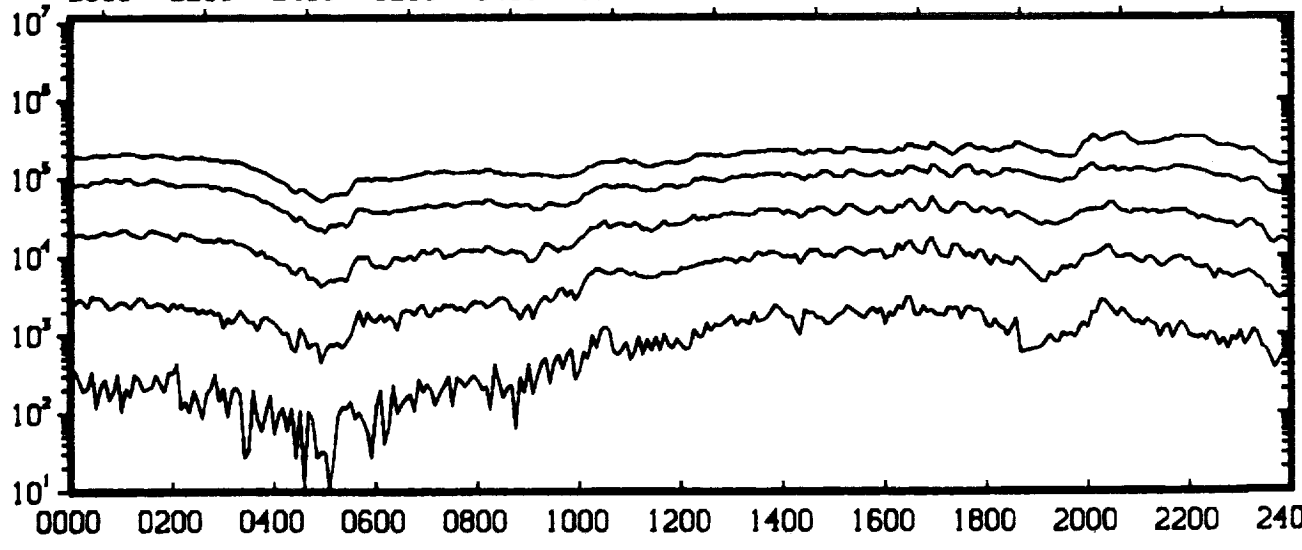


1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019  
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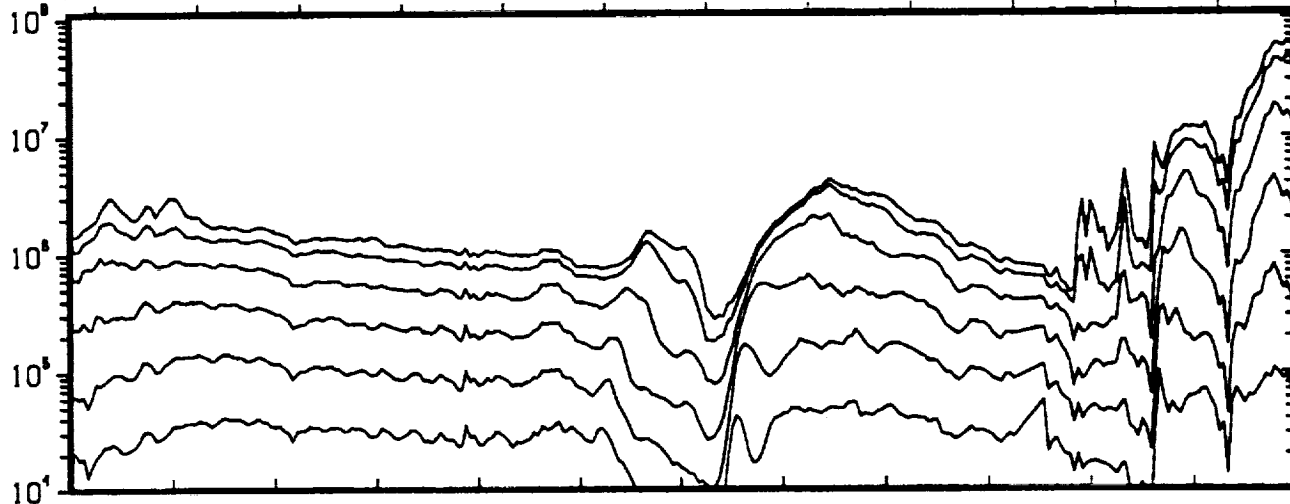


# LOW ENERGY ELECTRONS

1977-007

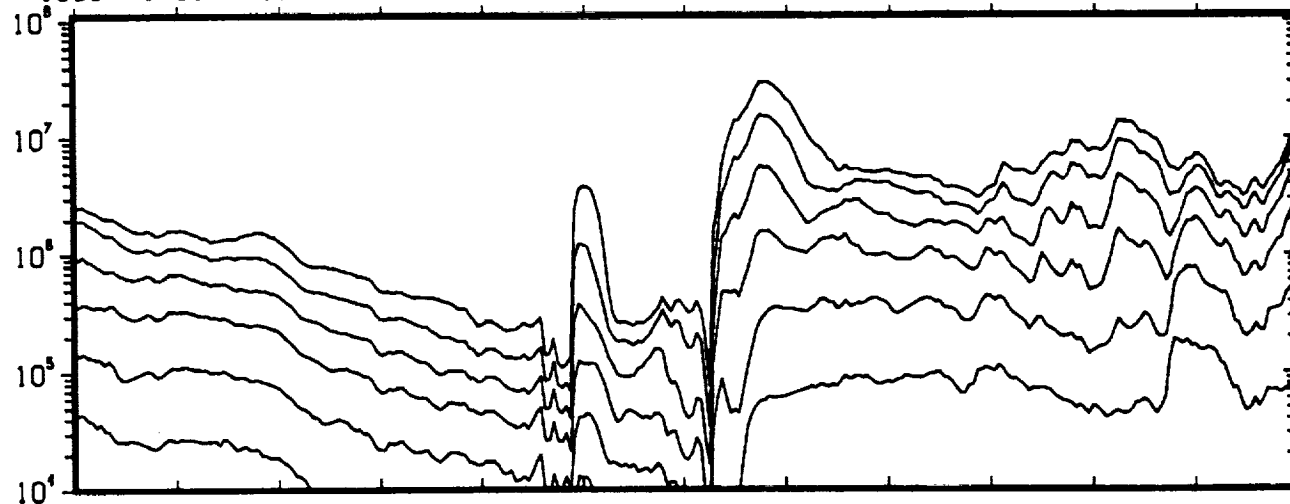
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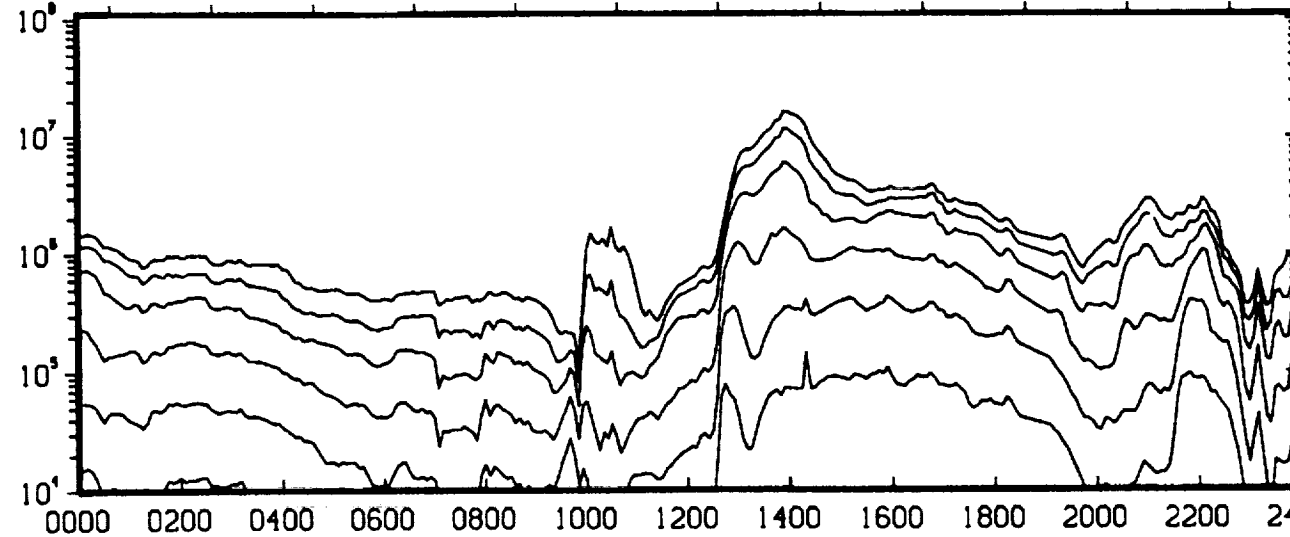
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1982-019

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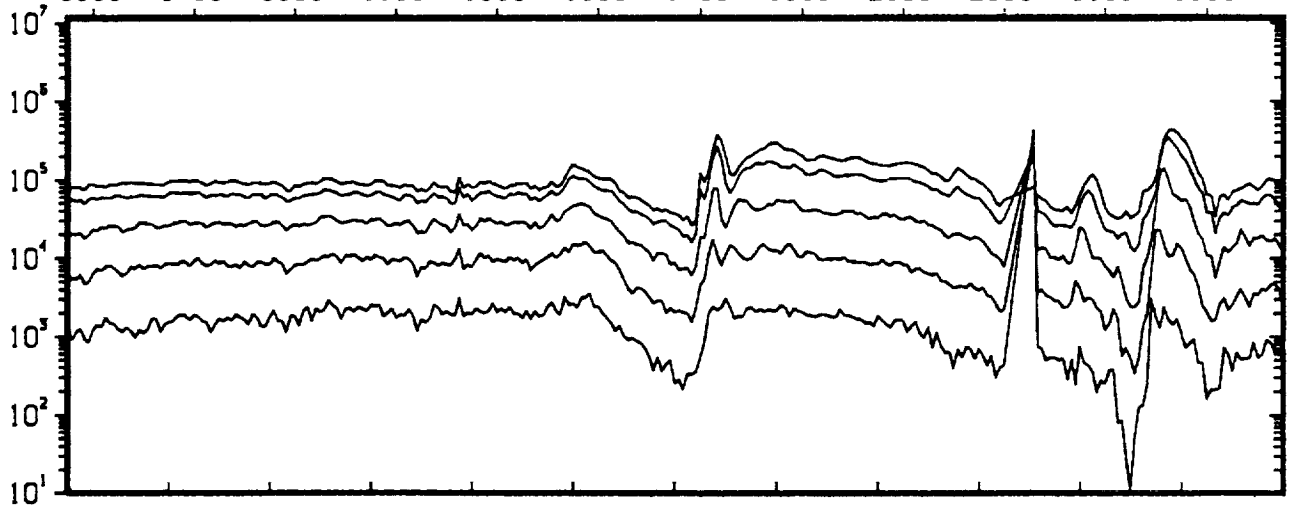
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

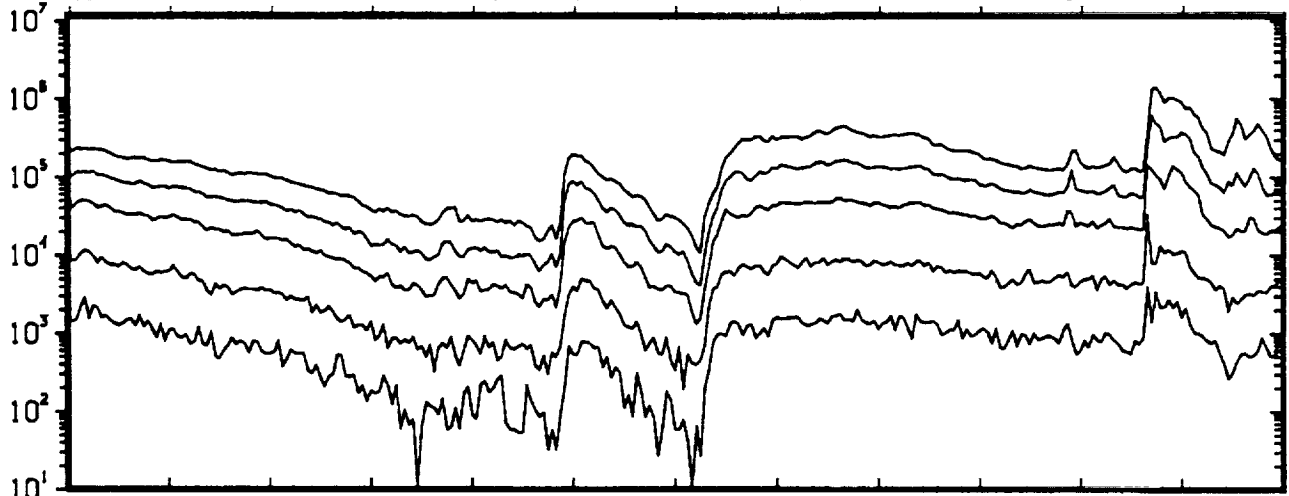
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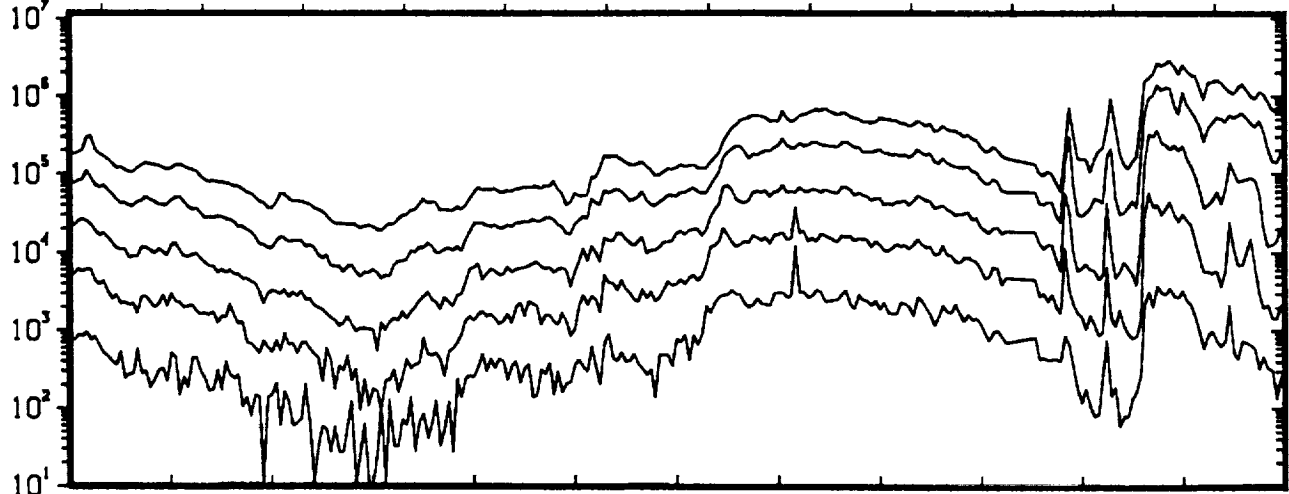
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1982-019

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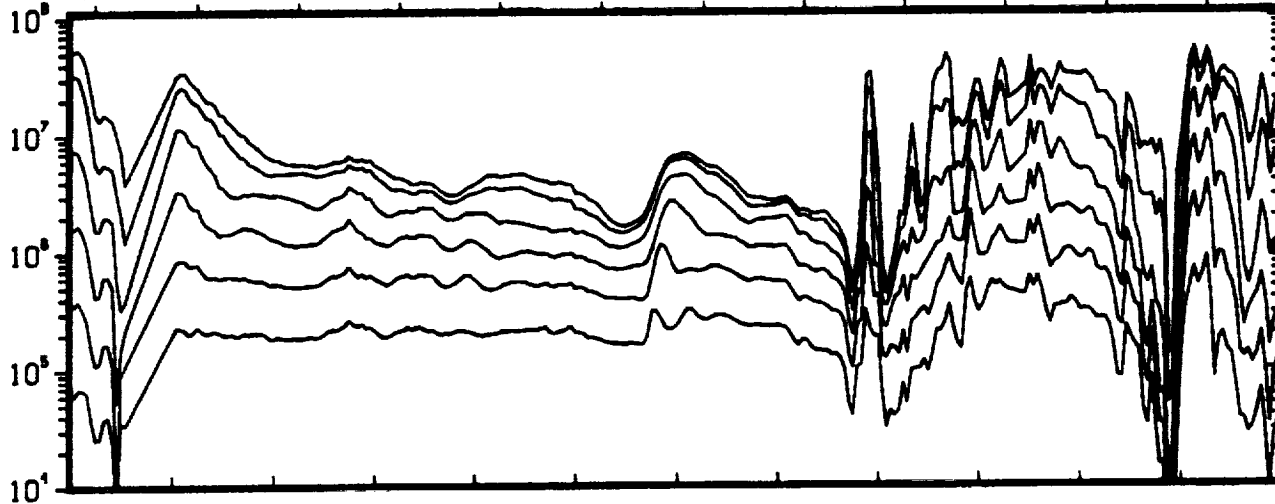
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

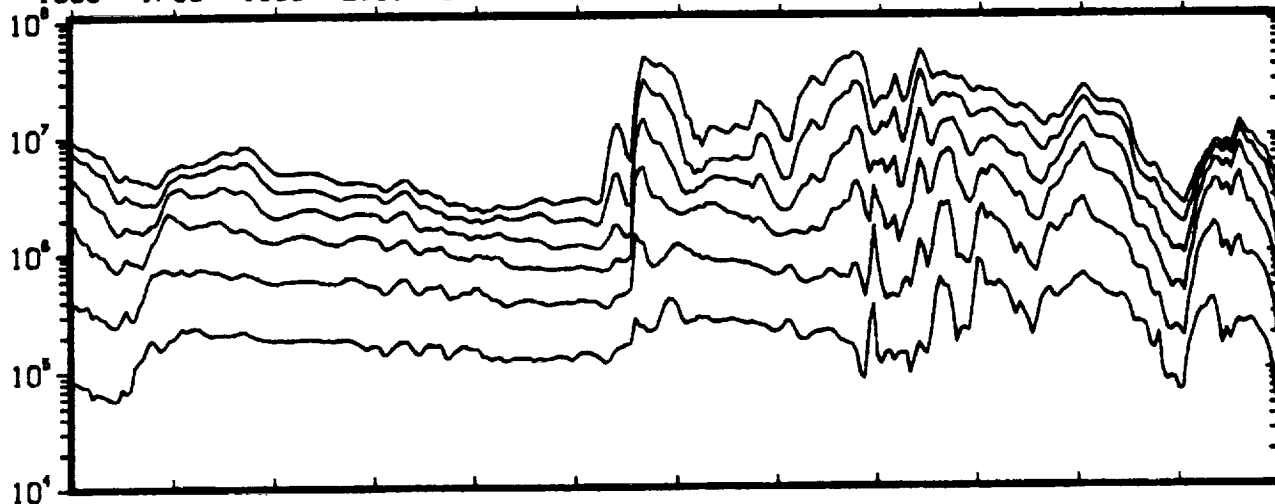
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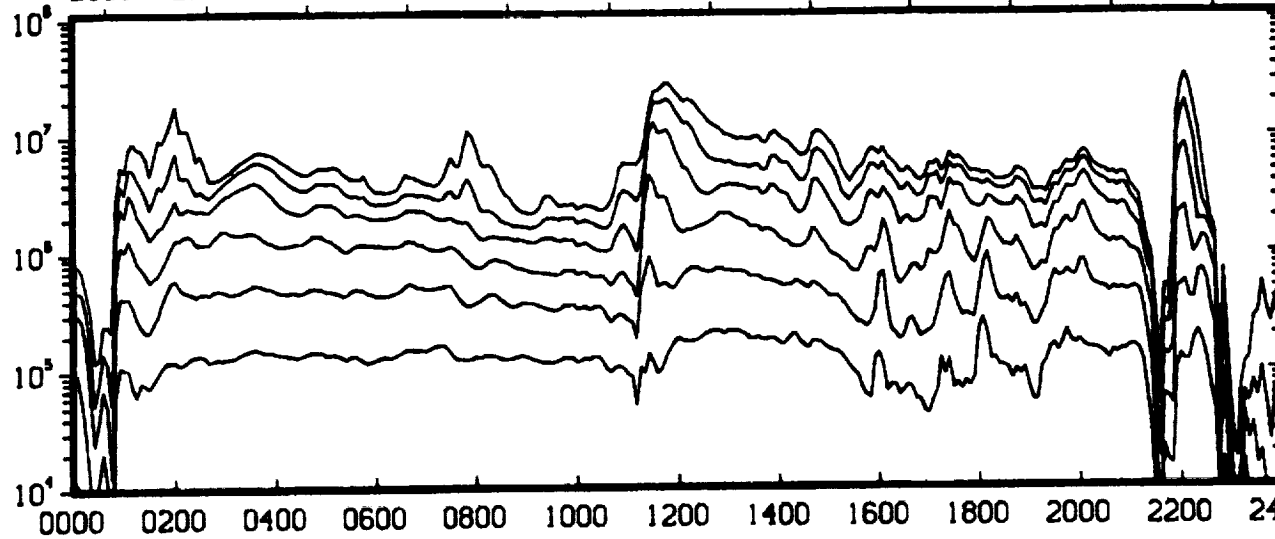
1981-025

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1982-019

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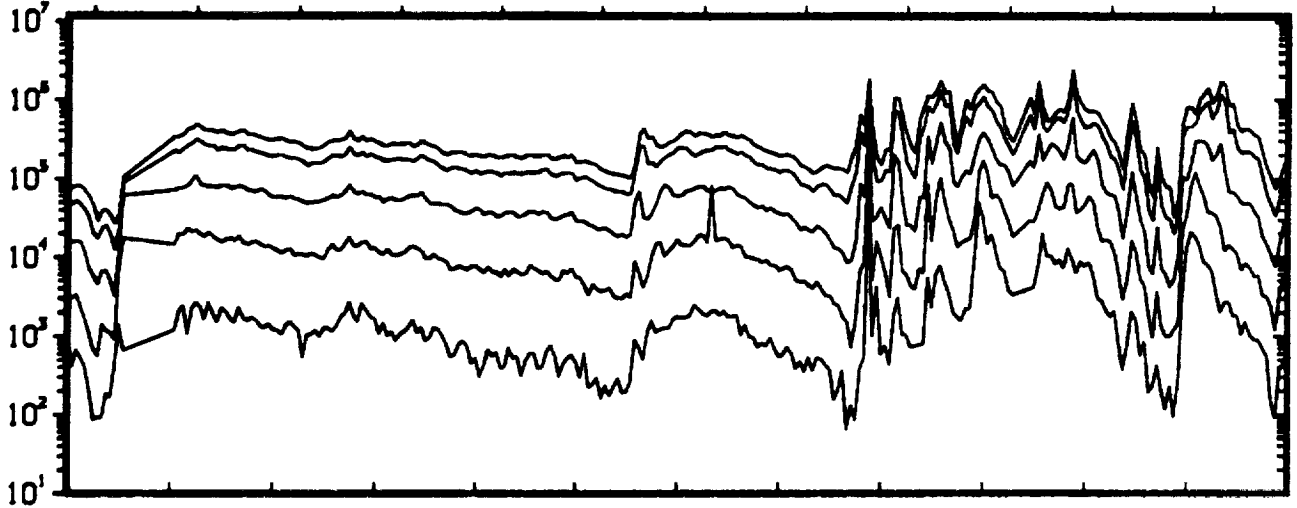
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

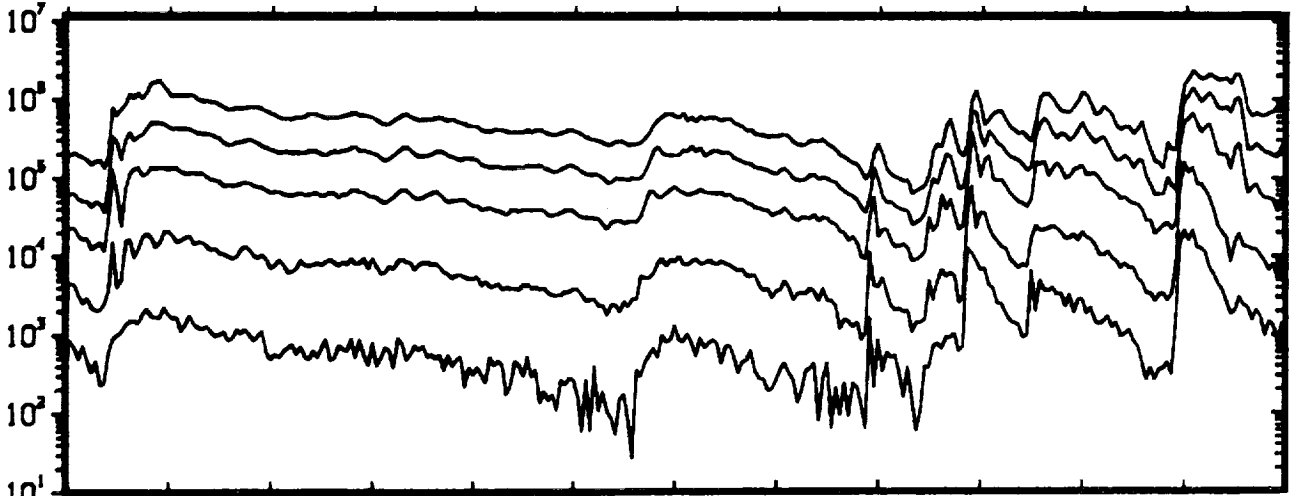
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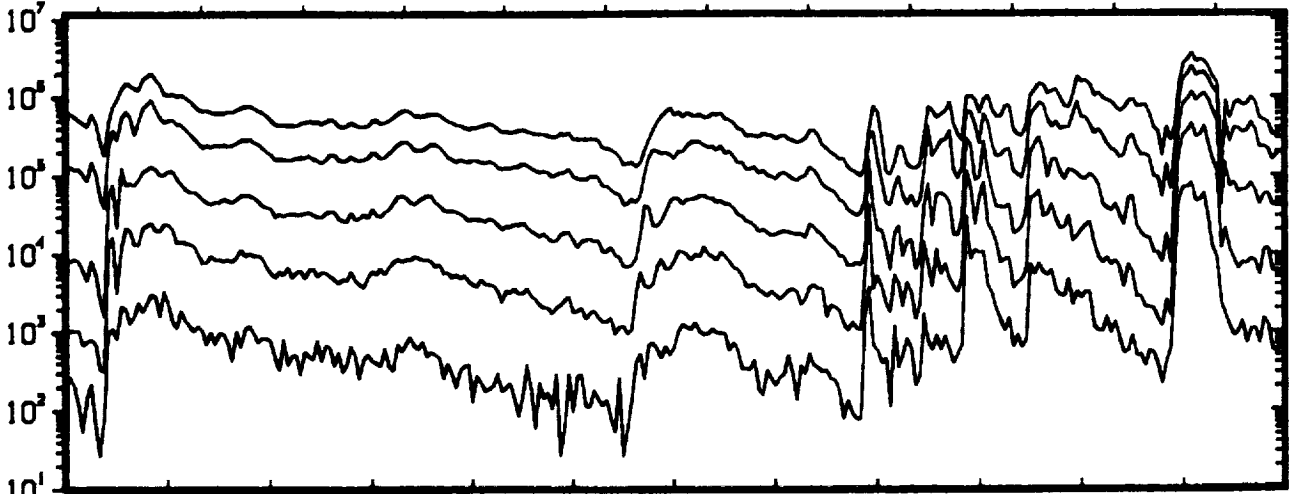
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1982-019

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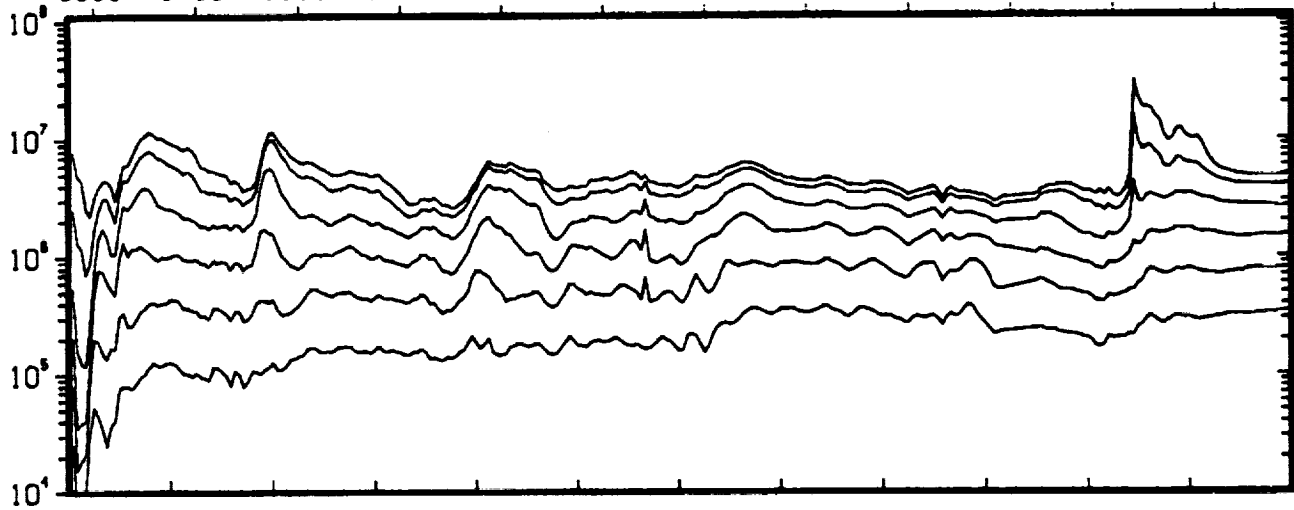
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

LOW ENERGY ELECTRONS

1977-007

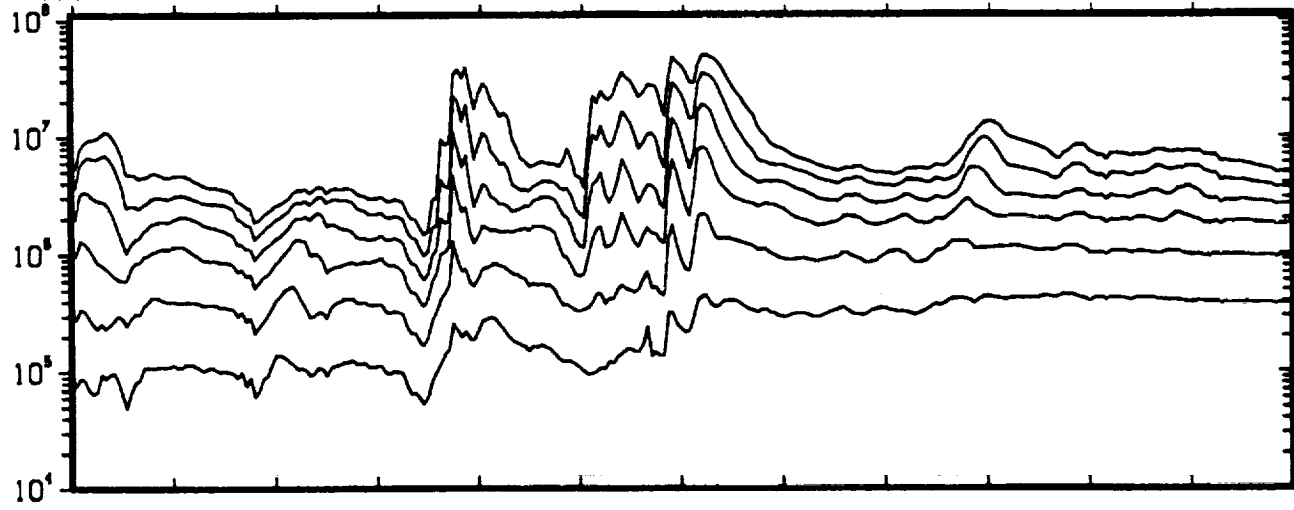
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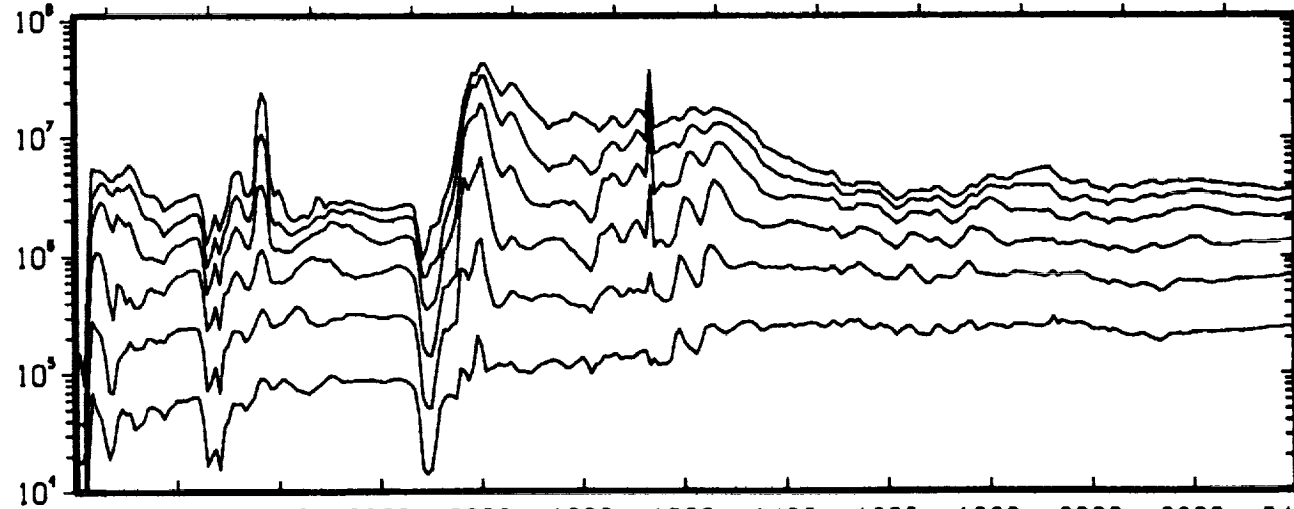
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

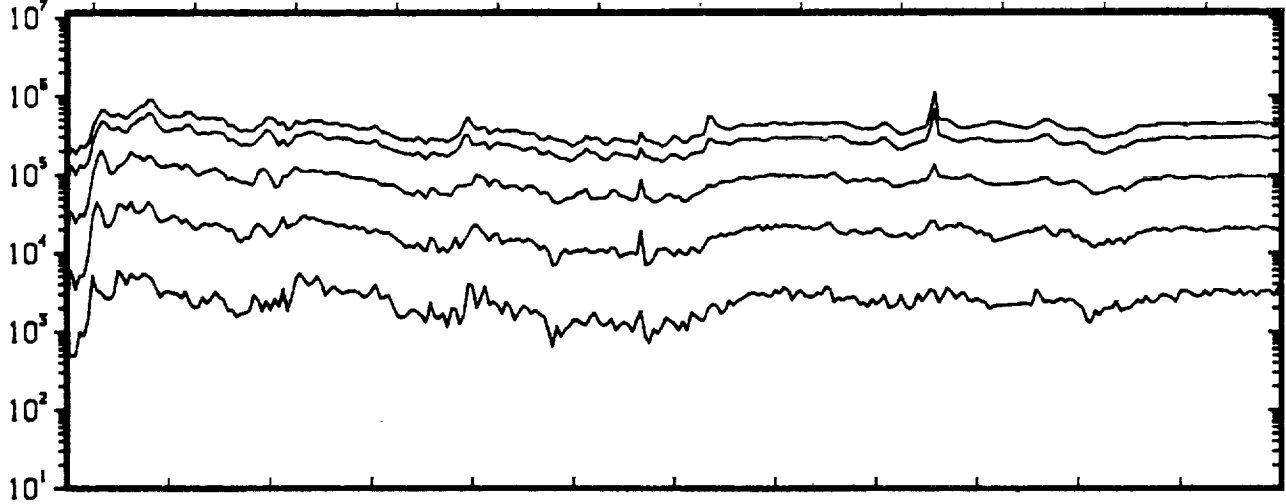


# LOW ENERGY IONS

1977-007

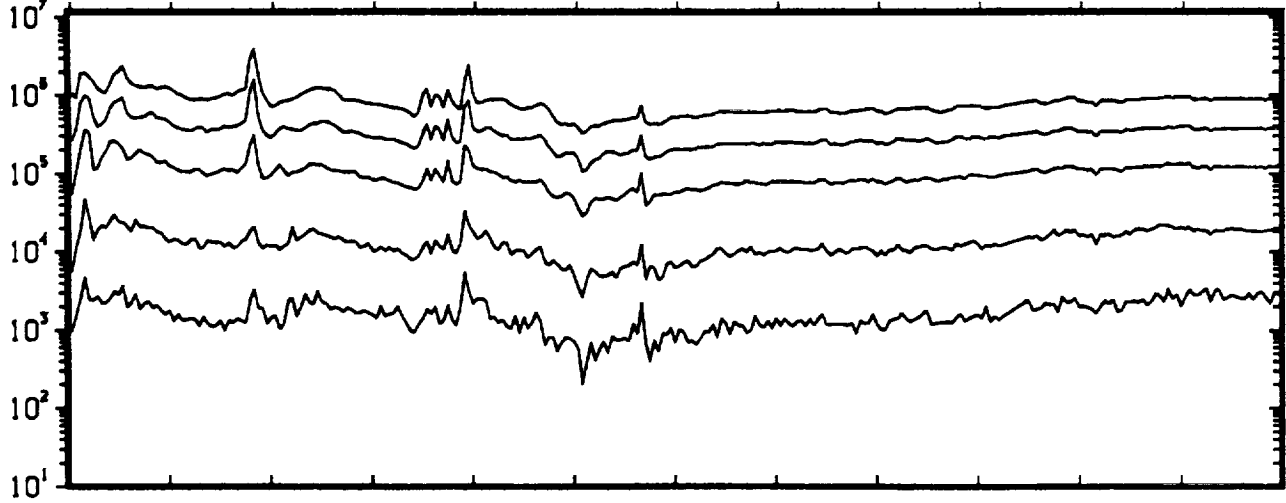
83/03/13

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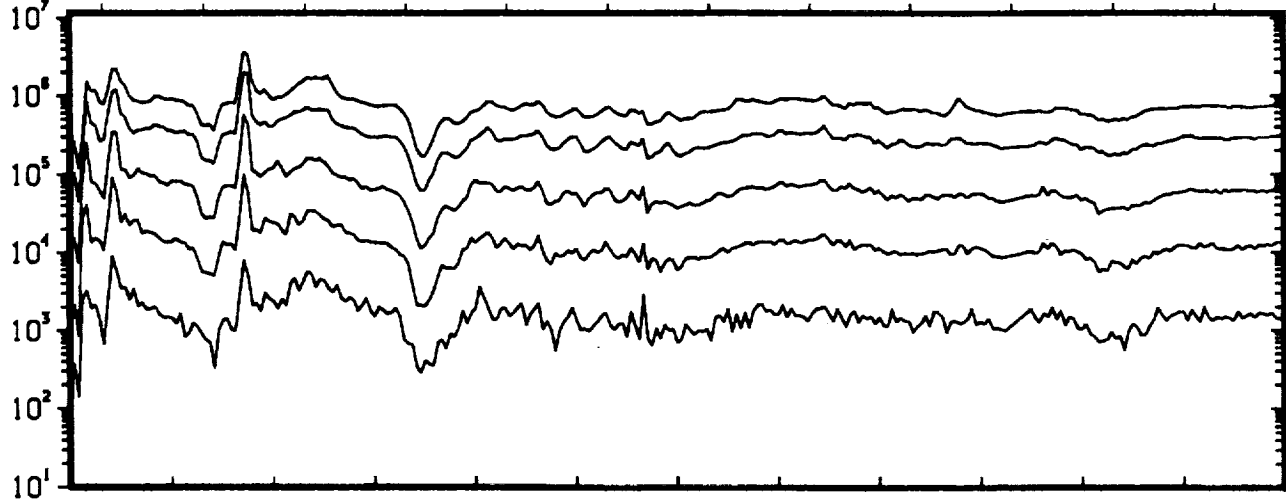
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1982-019

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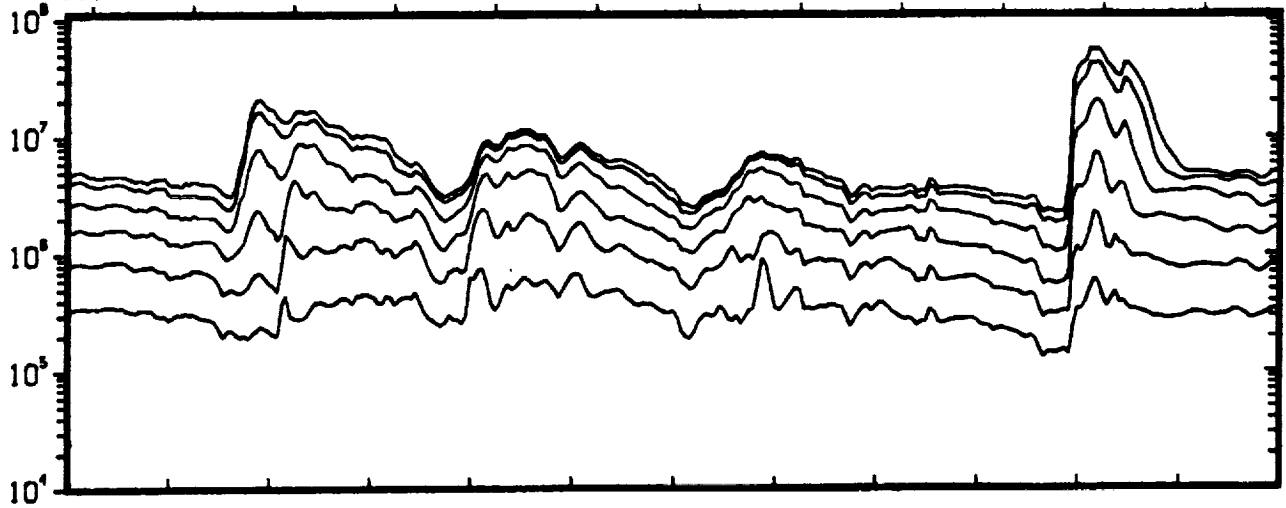
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

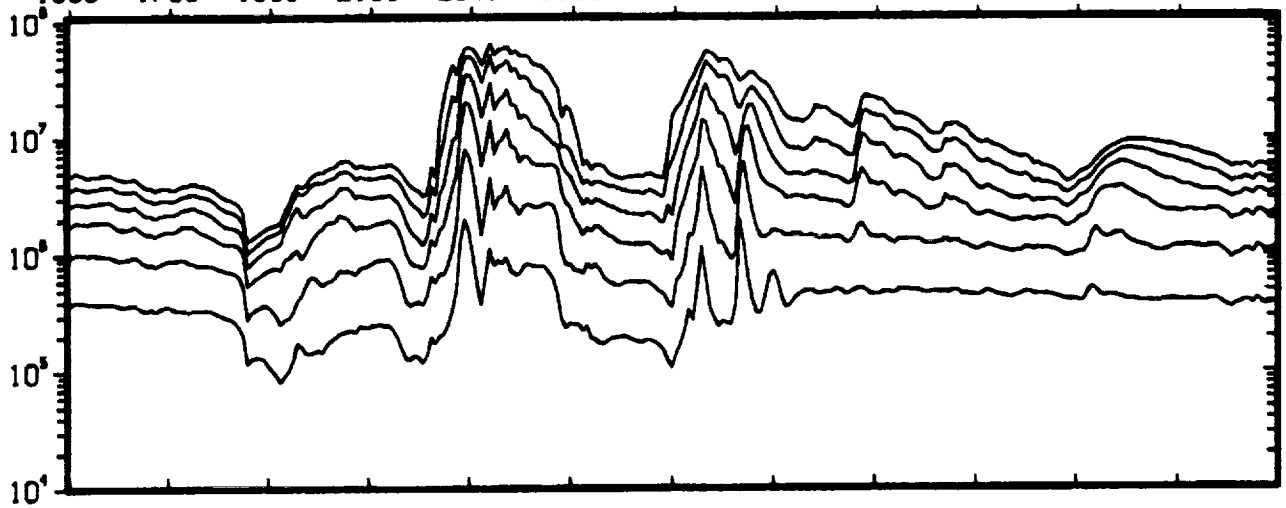
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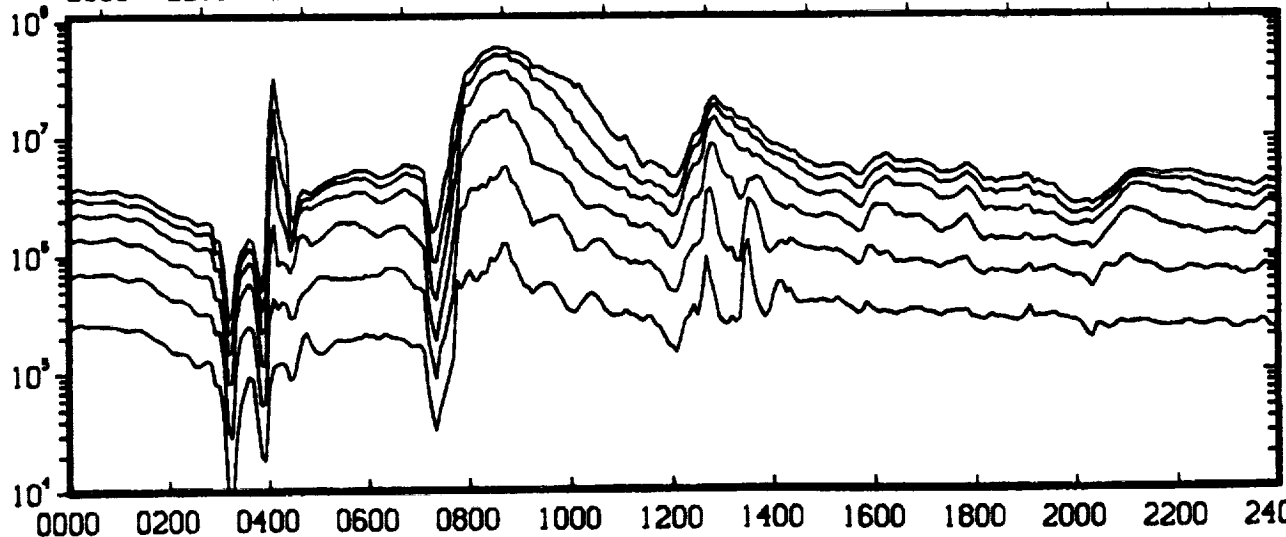
1981-025

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1982-019

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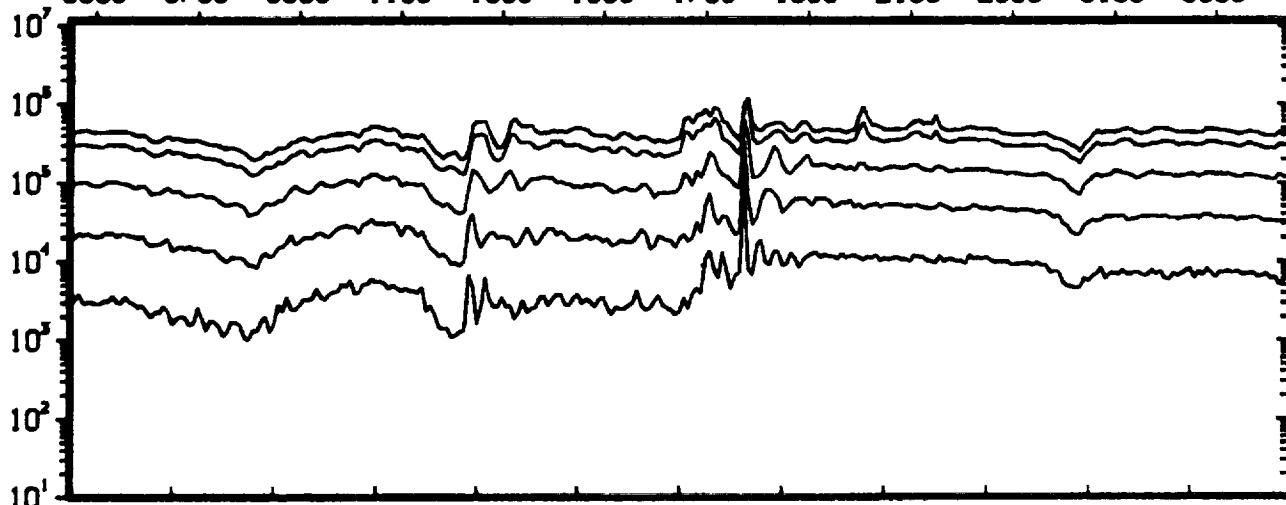
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

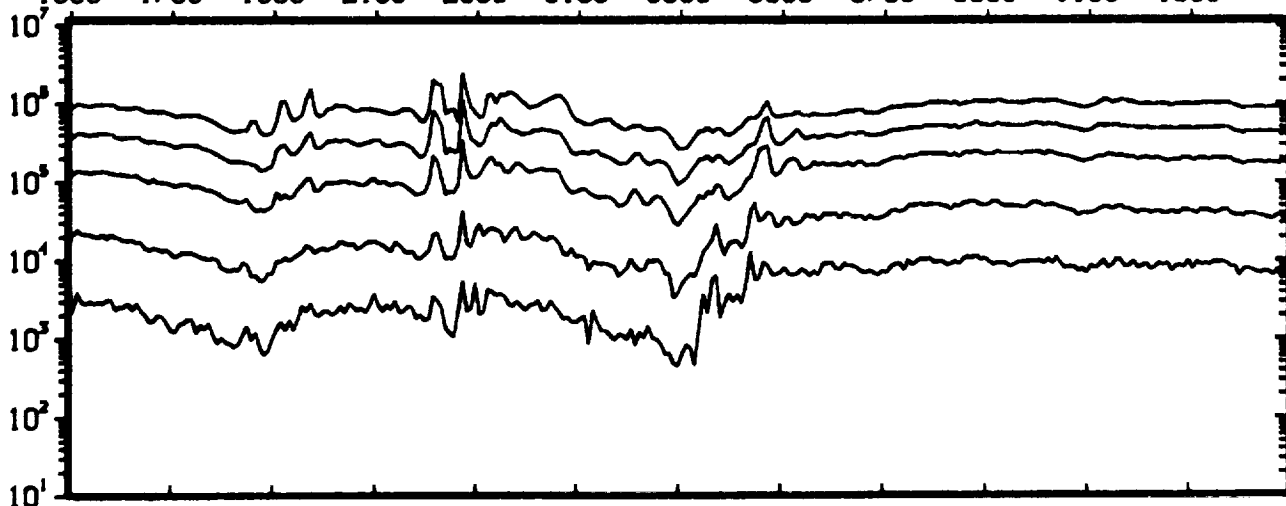
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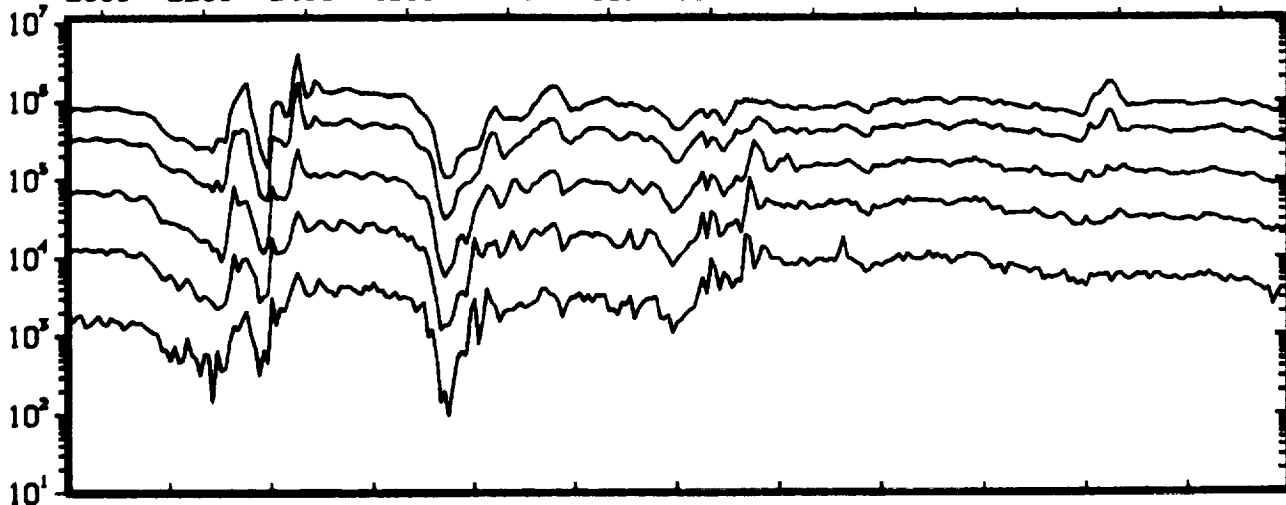
1981-025

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1982-019

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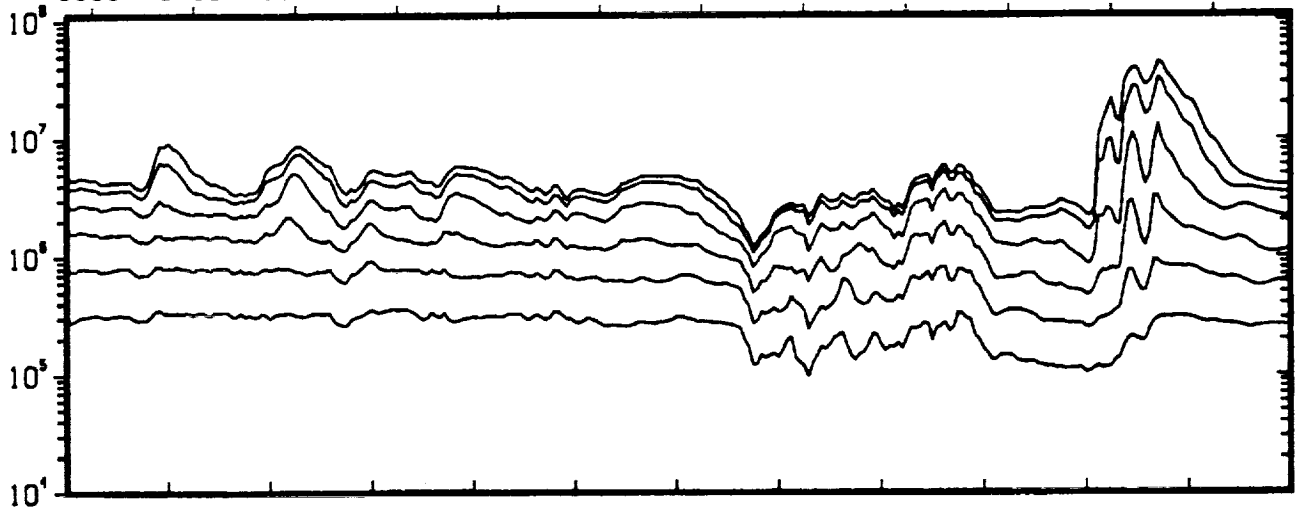
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

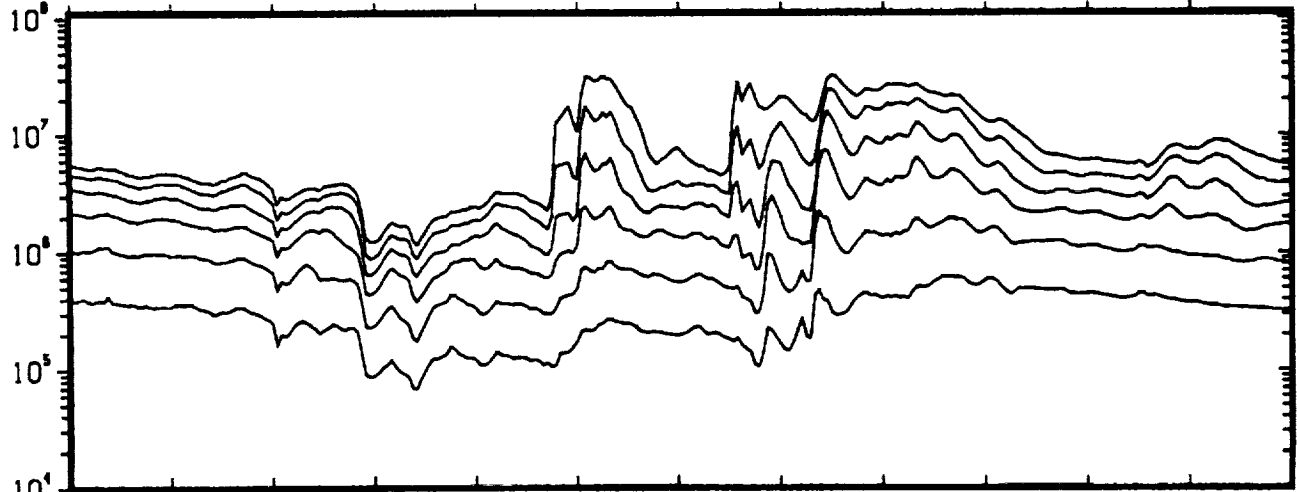
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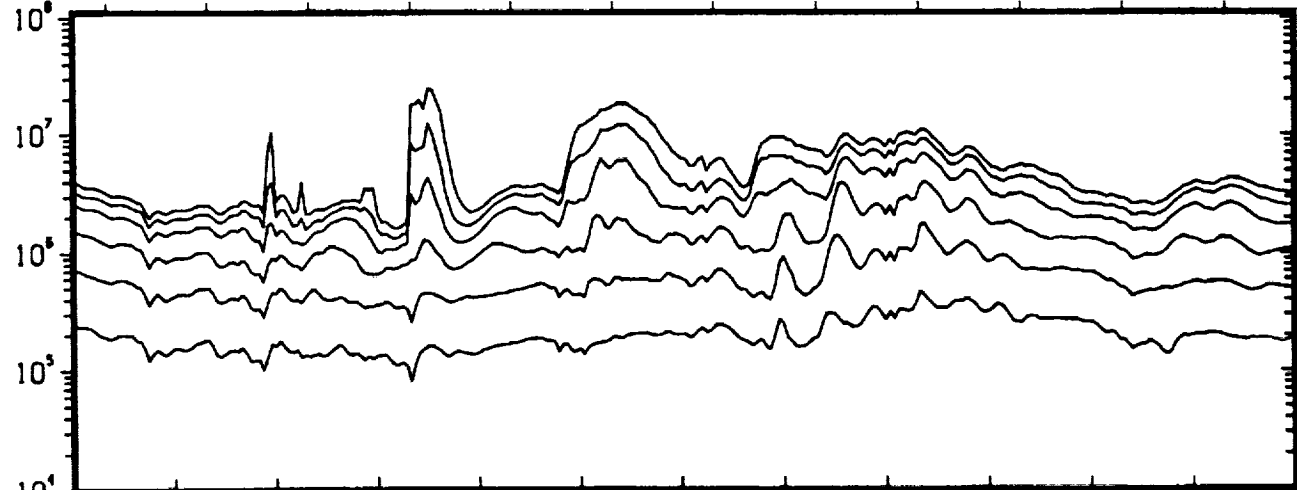
1981-025

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1982-019

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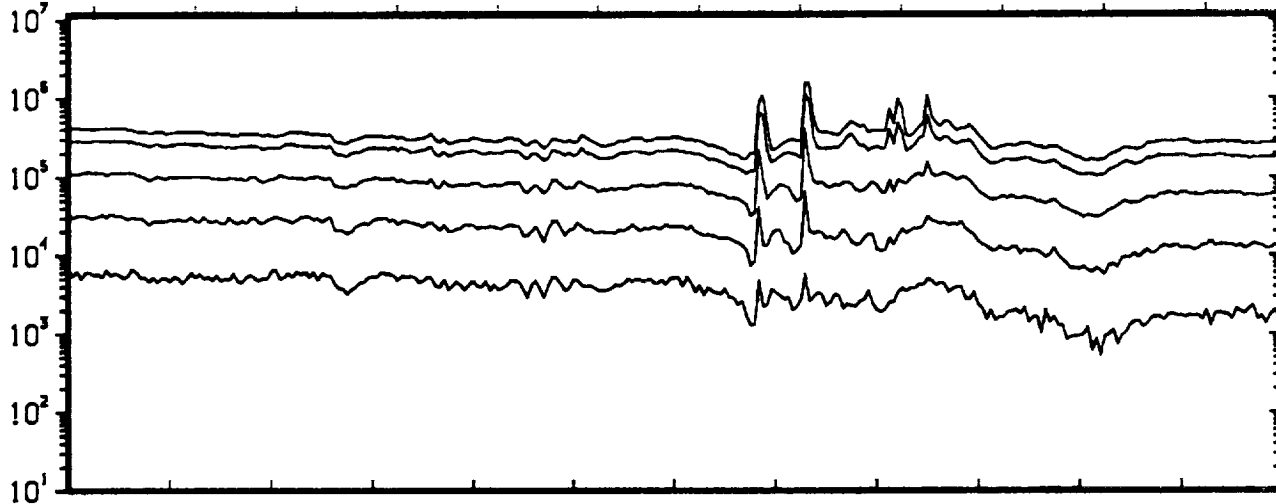
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

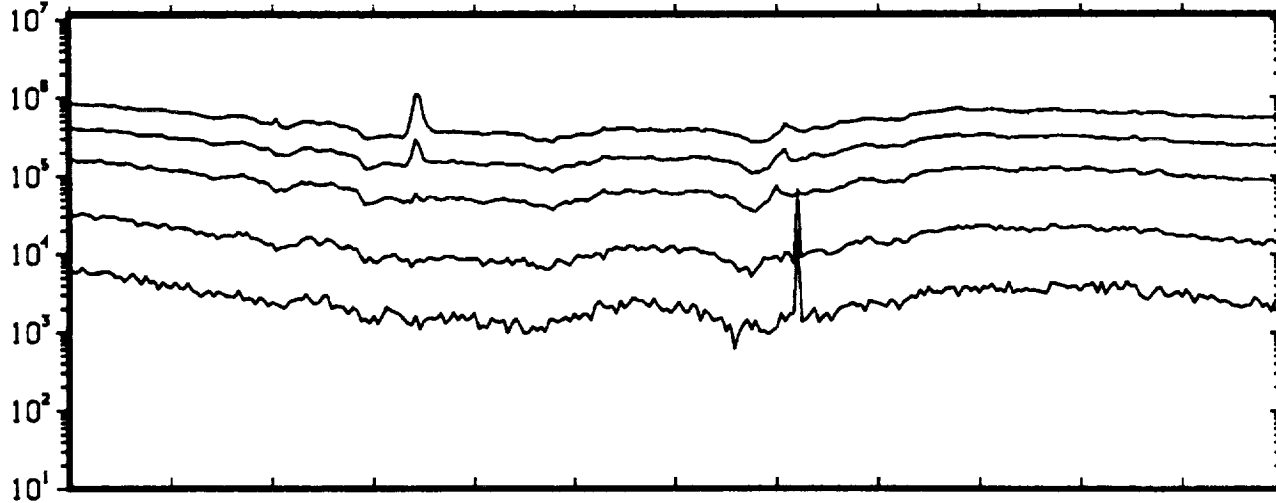
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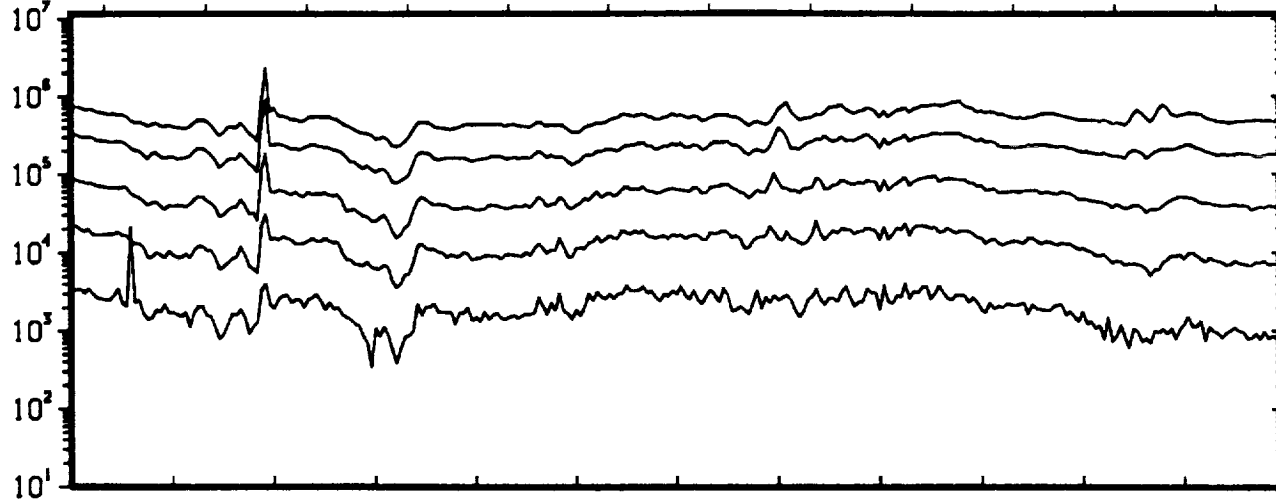
1981-025

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1982-019

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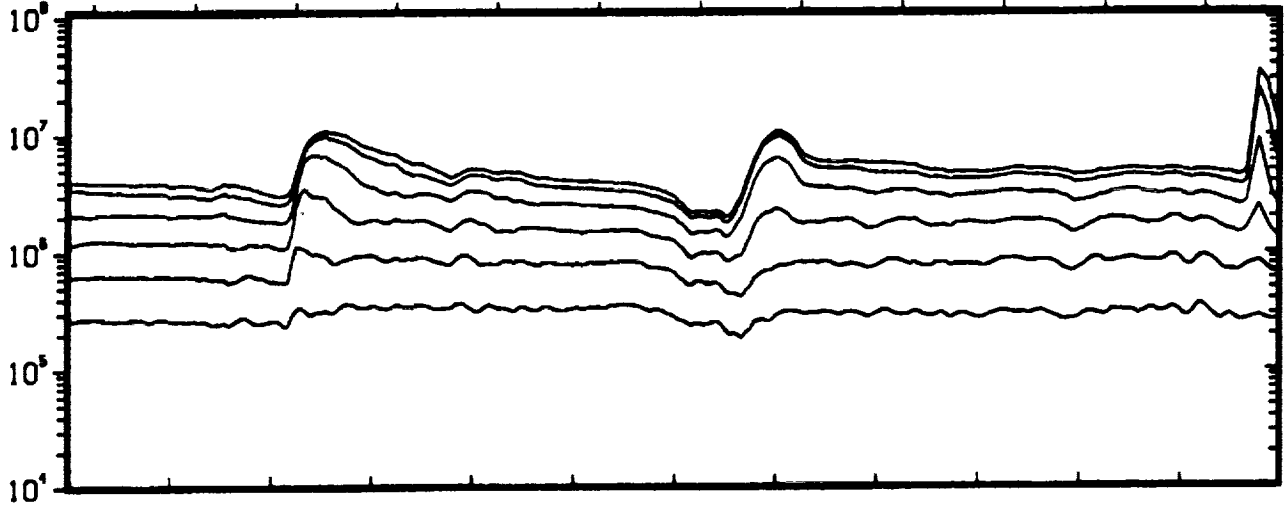
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

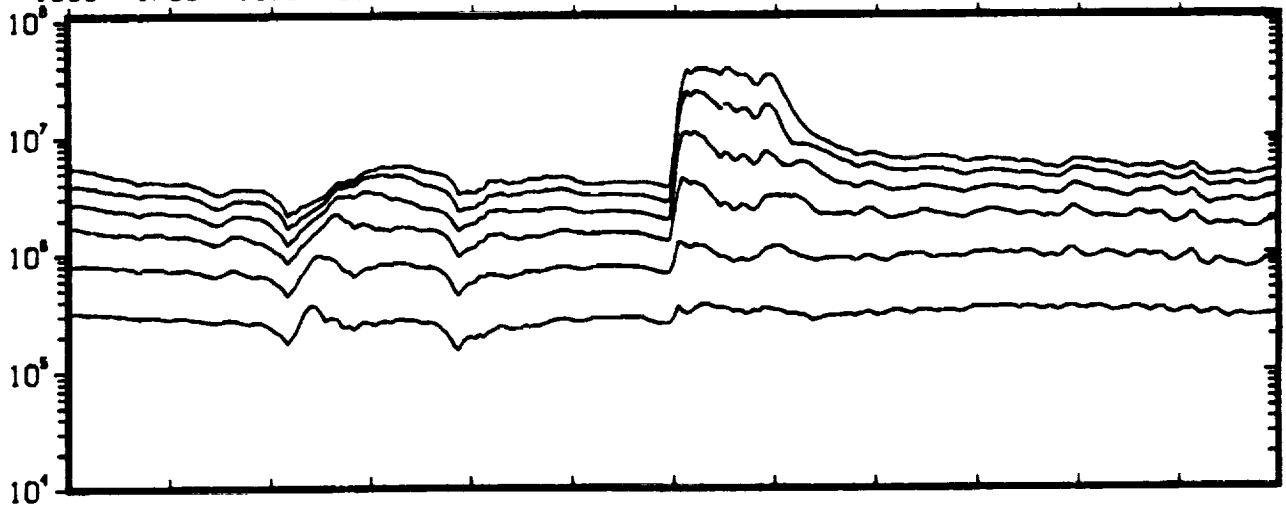
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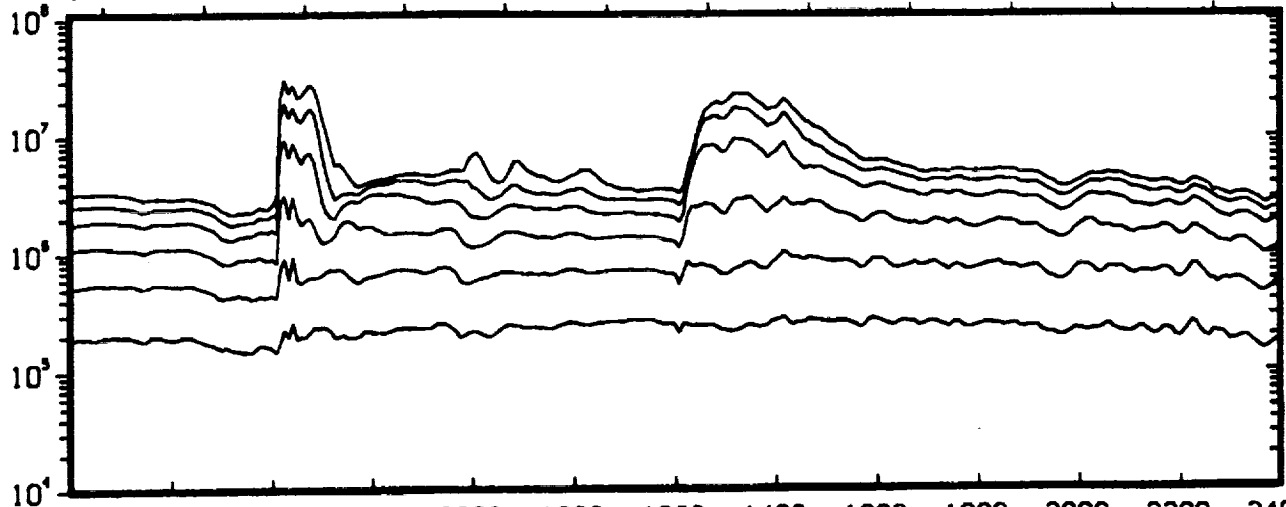
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



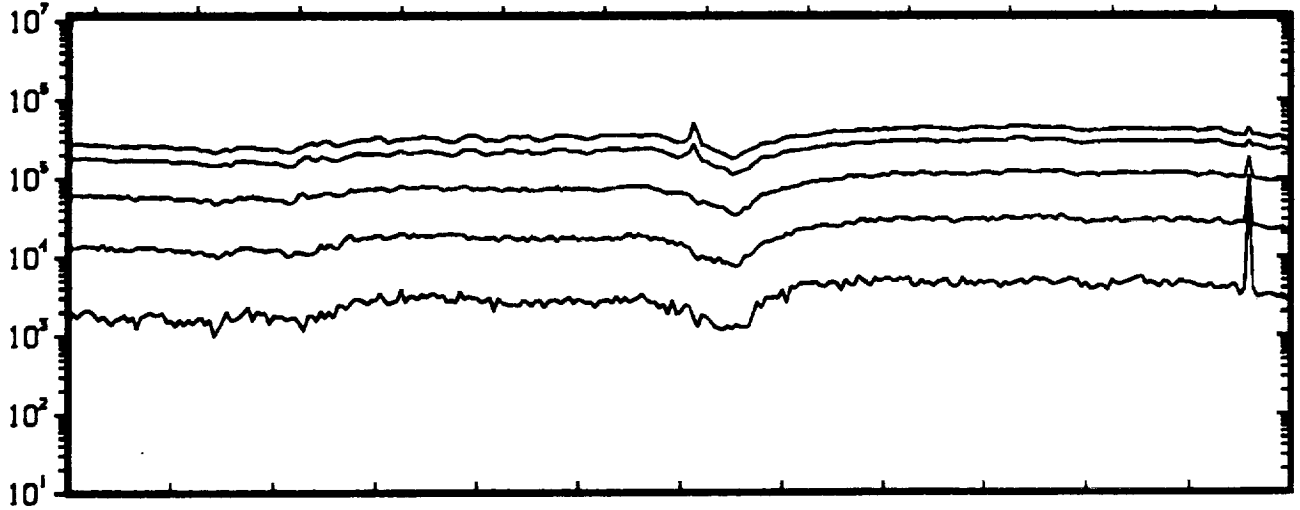
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

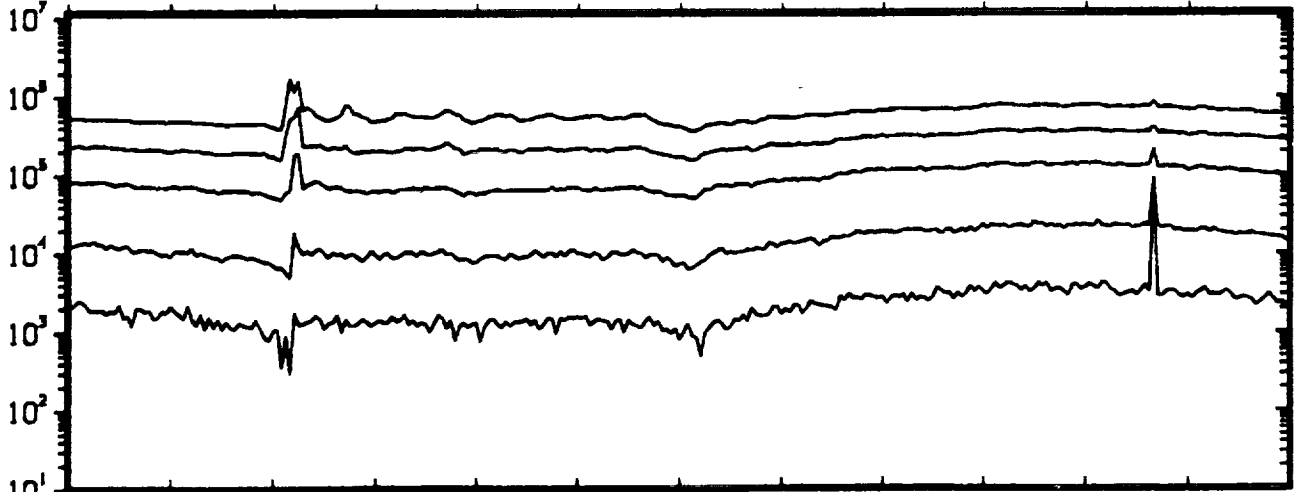
83/03/16

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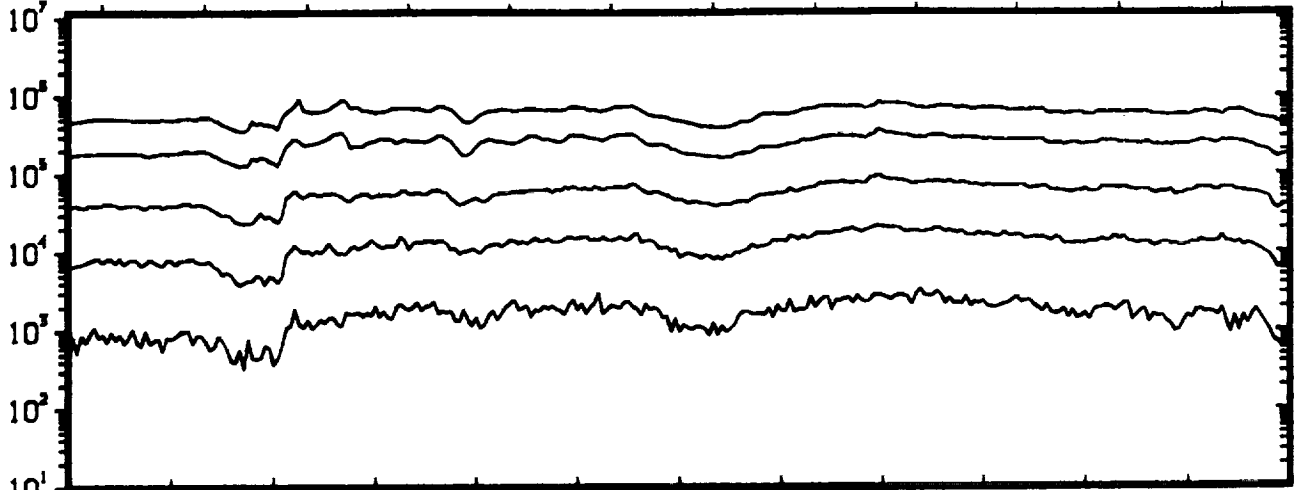
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



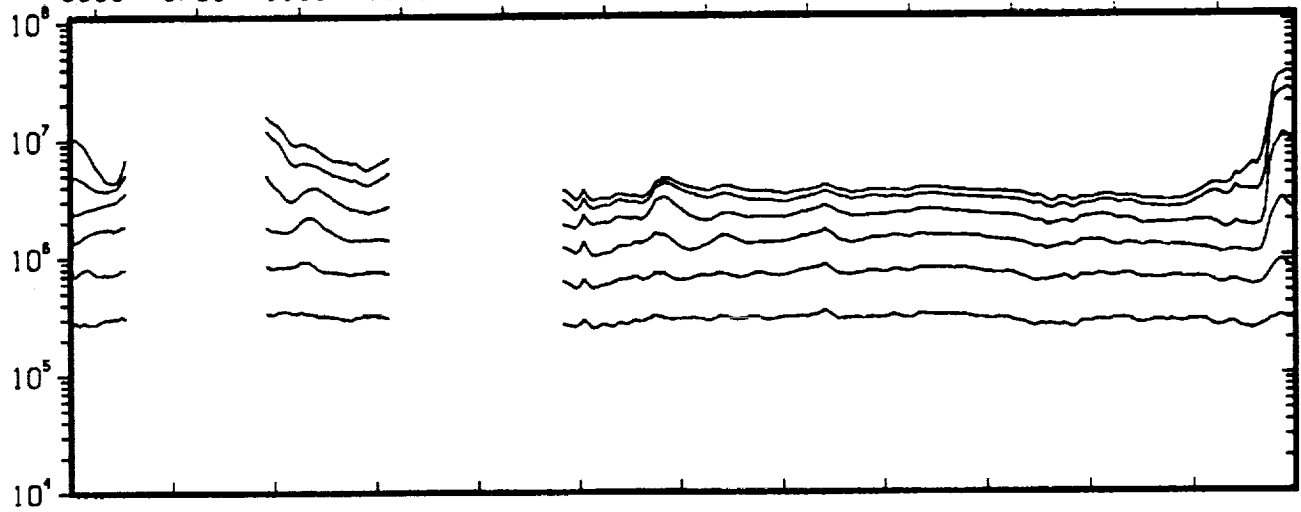
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

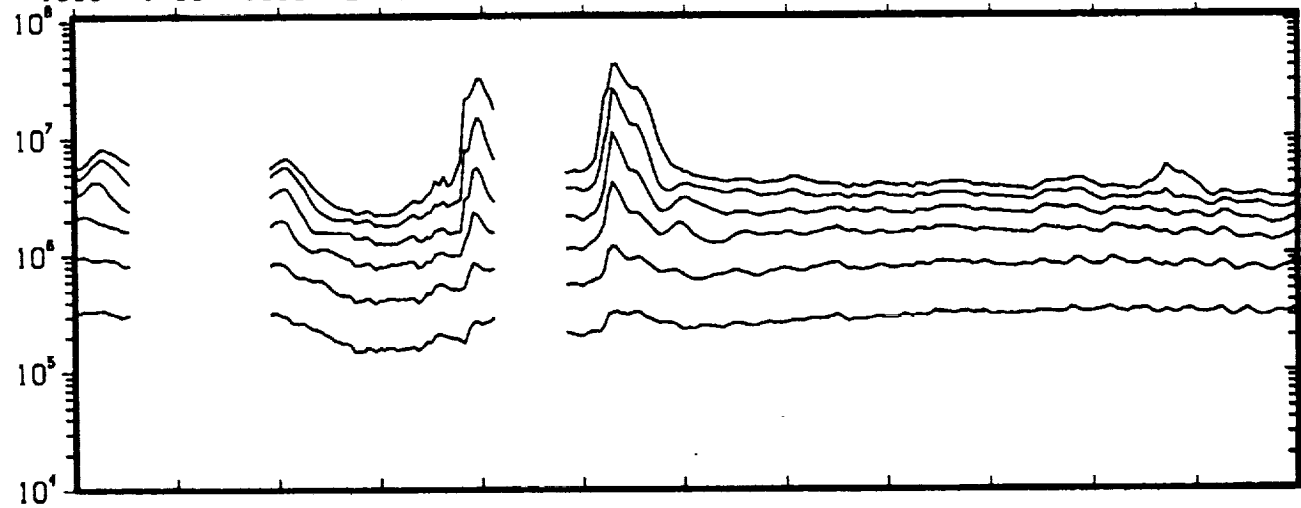
83/03/17

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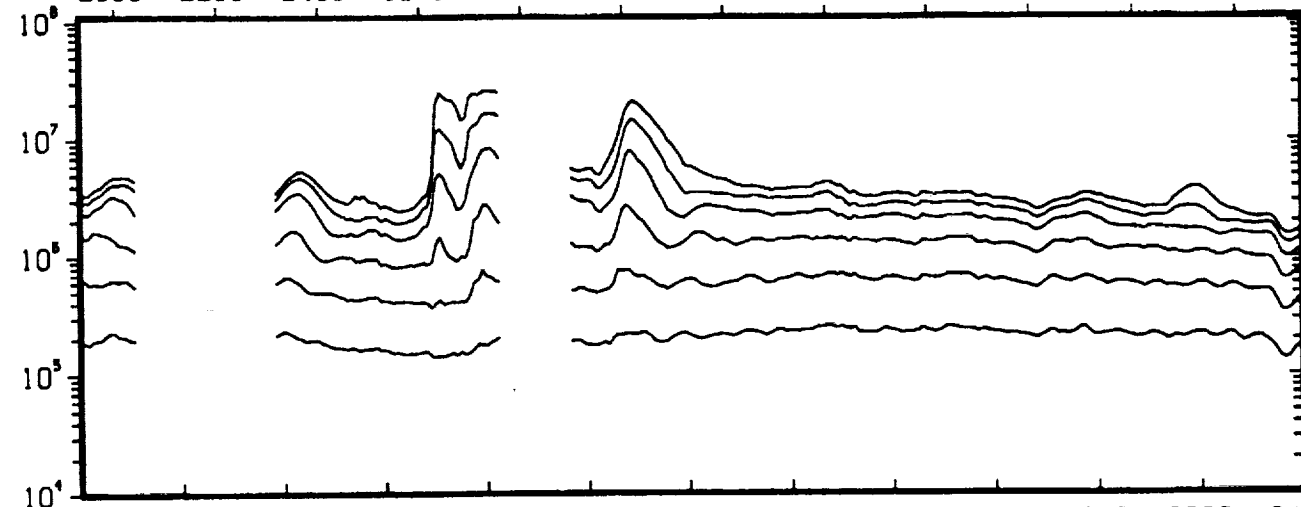
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

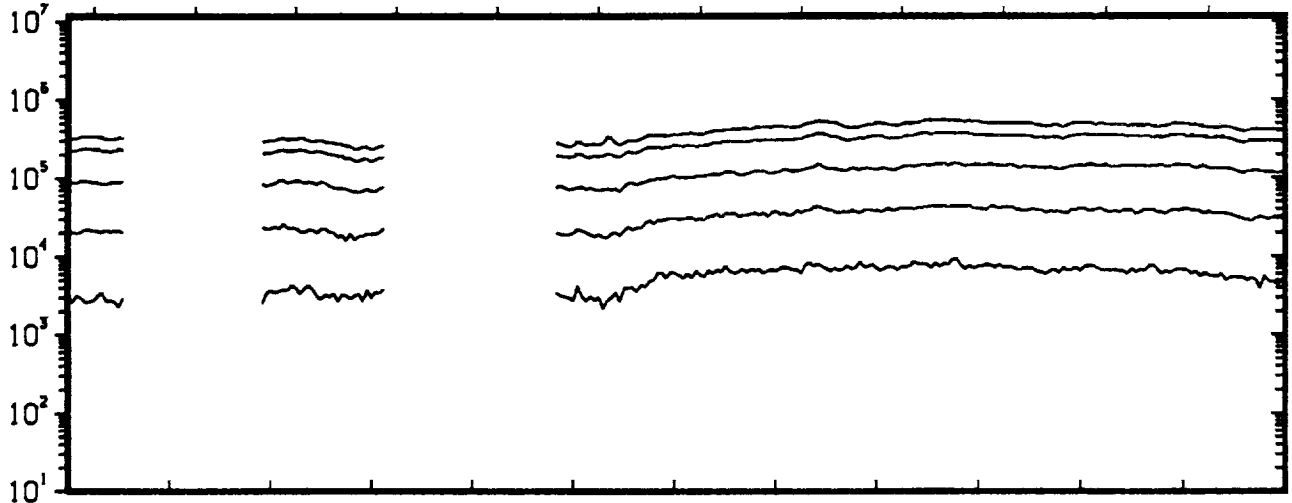


# LOW ENERGY IONS

1977-007

83/03/17

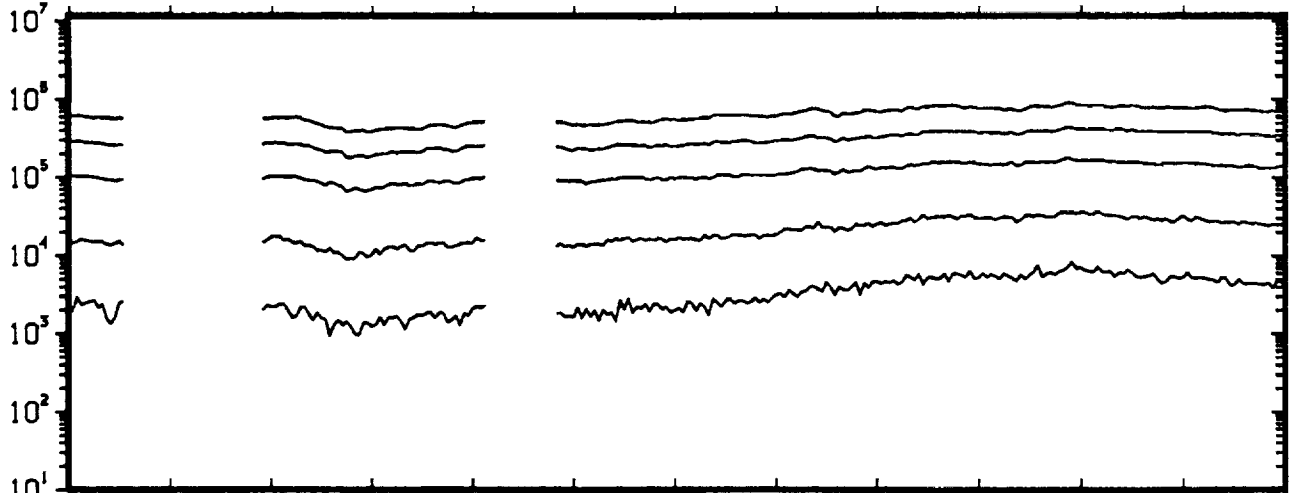
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1981-025

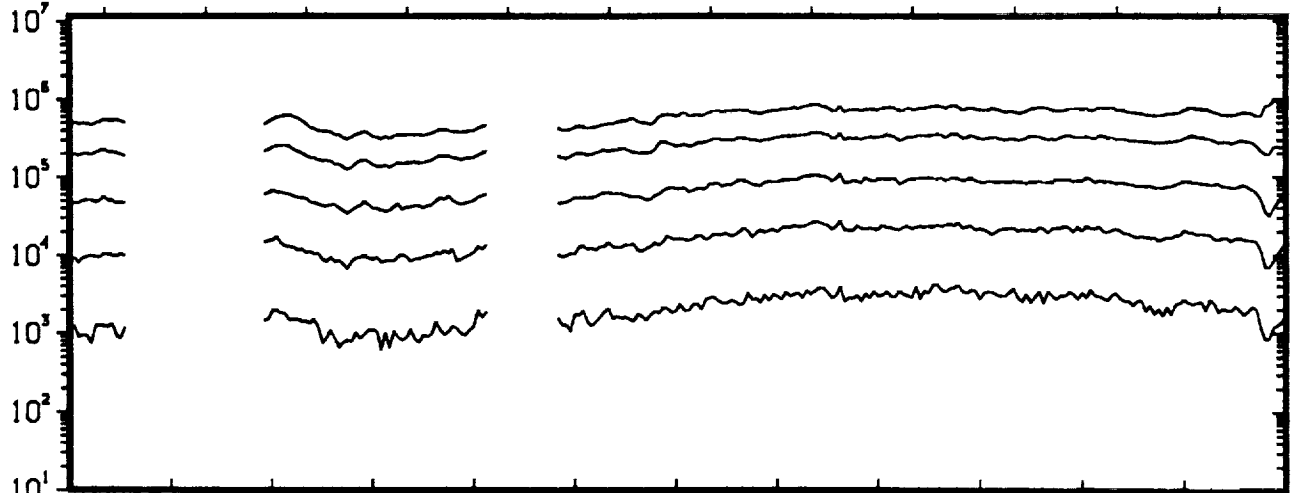
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



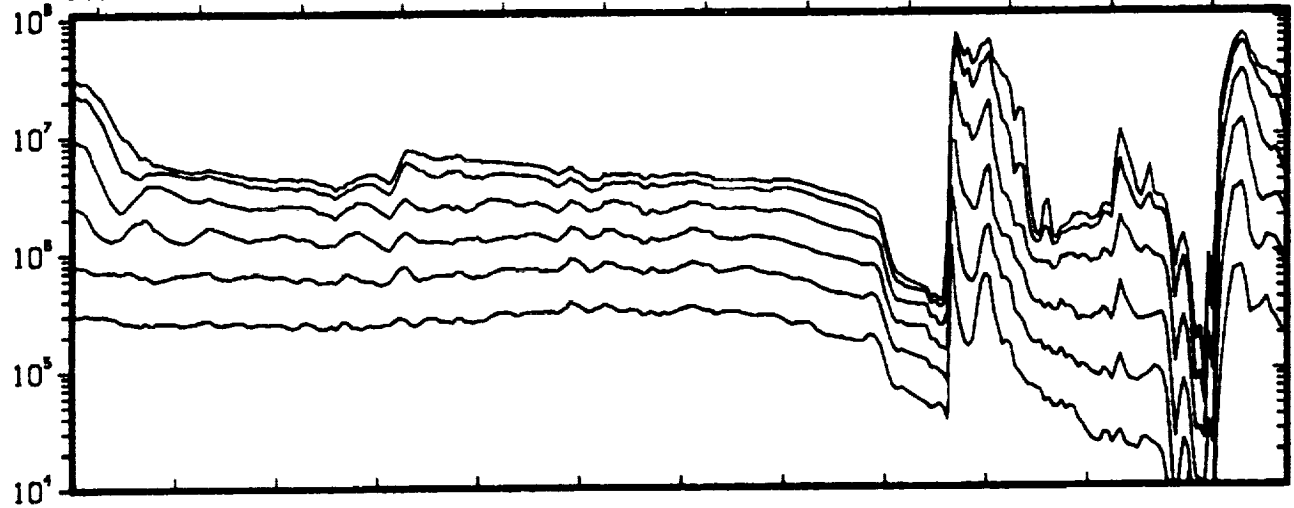
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# LOW ENERGY ELECTRONS

1977-007

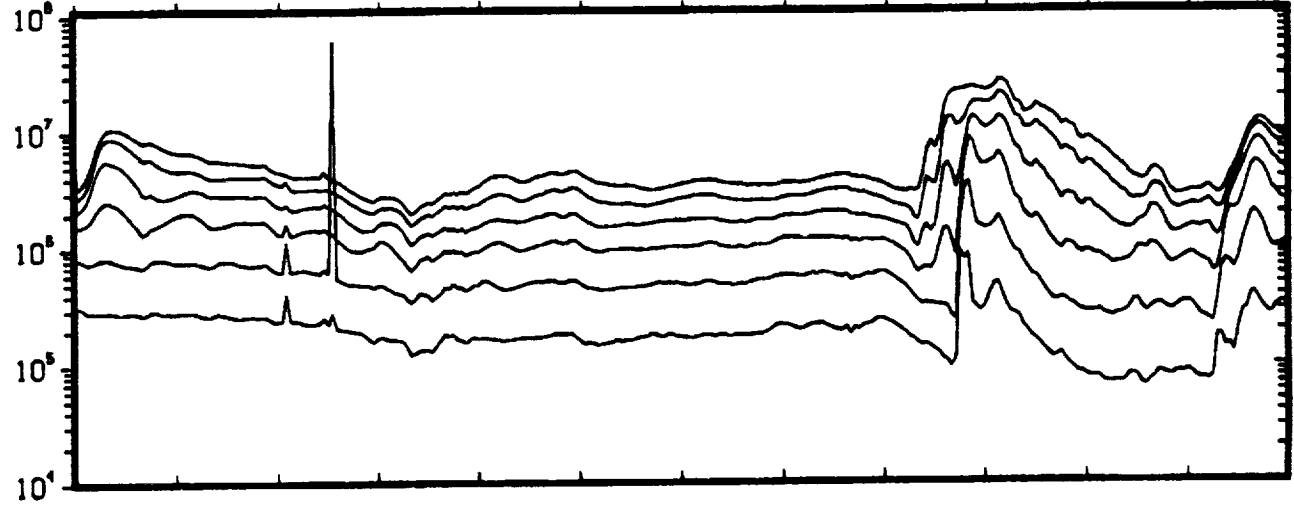
83/03/18

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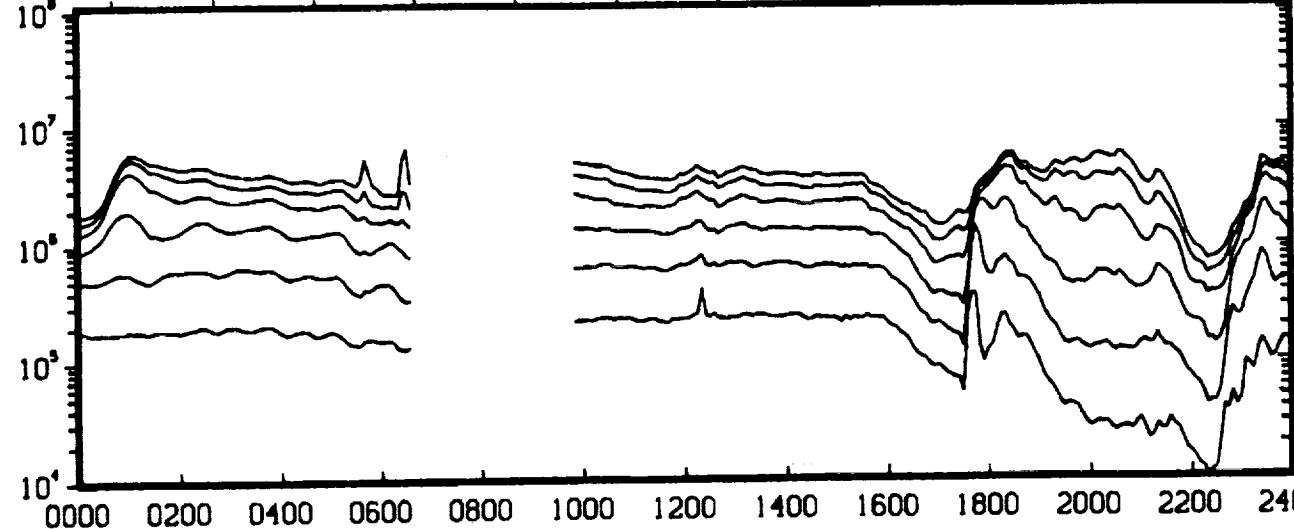
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



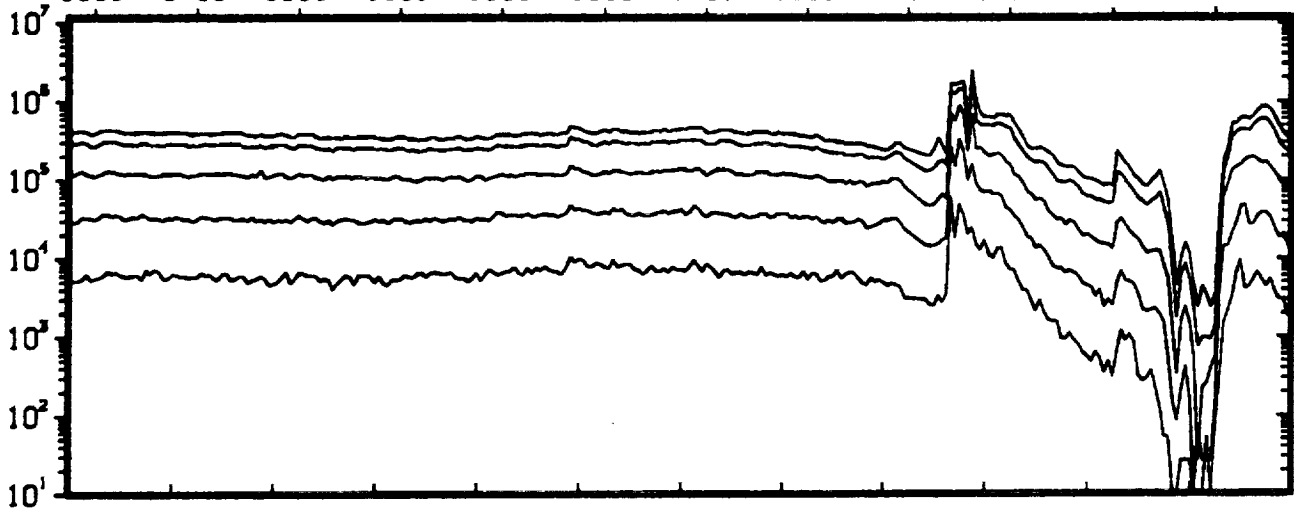
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

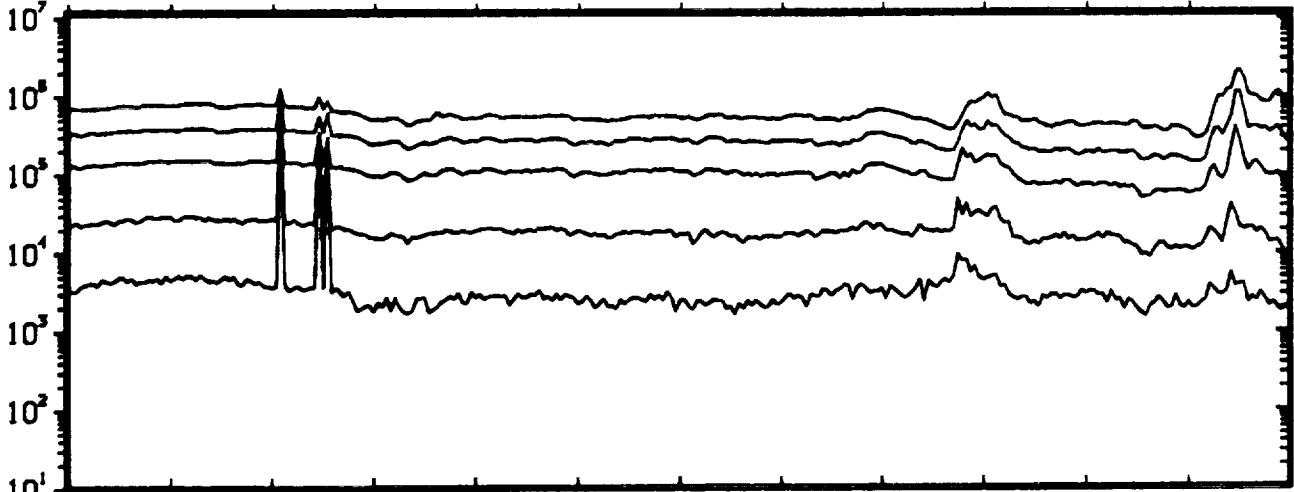
83/03/18

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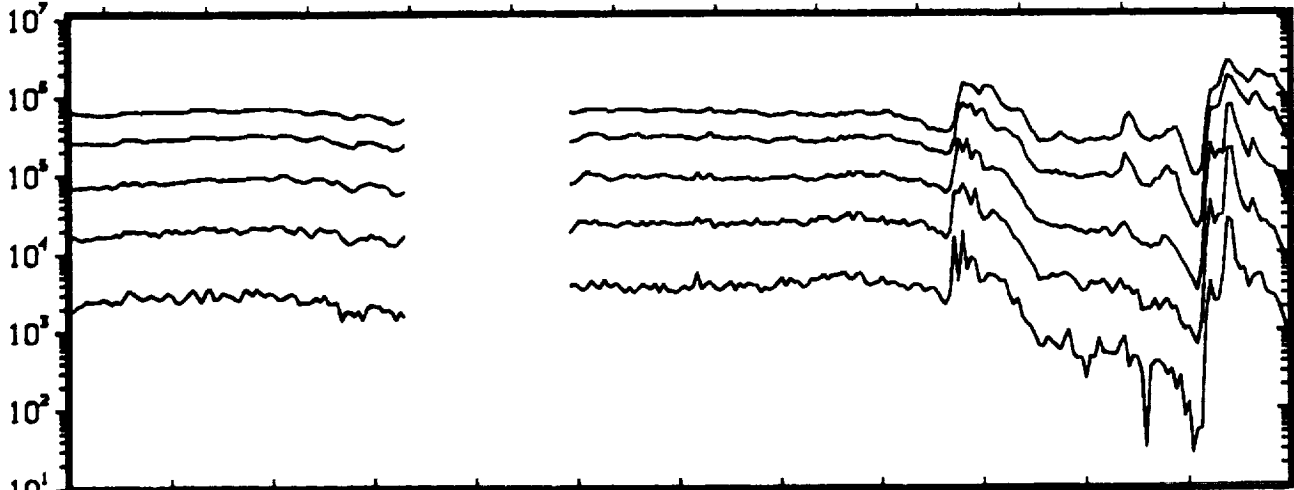
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



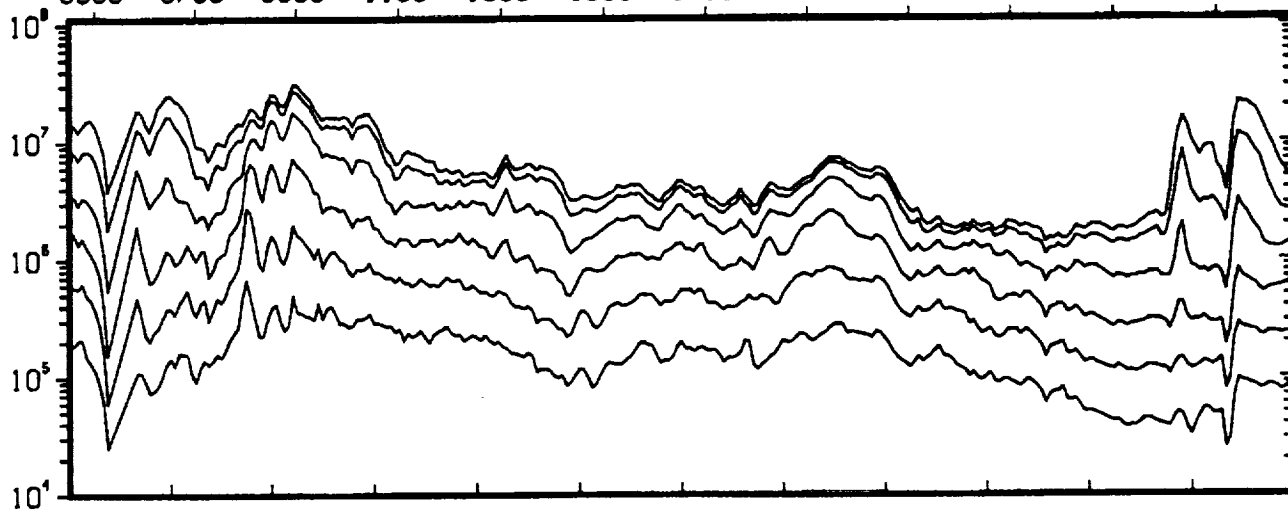
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

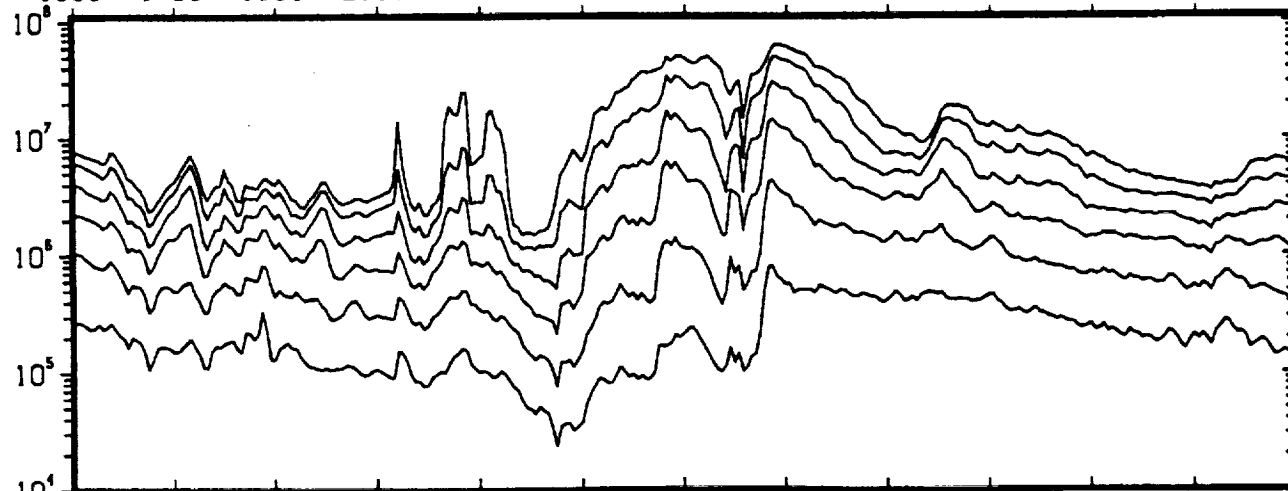
83/03/19

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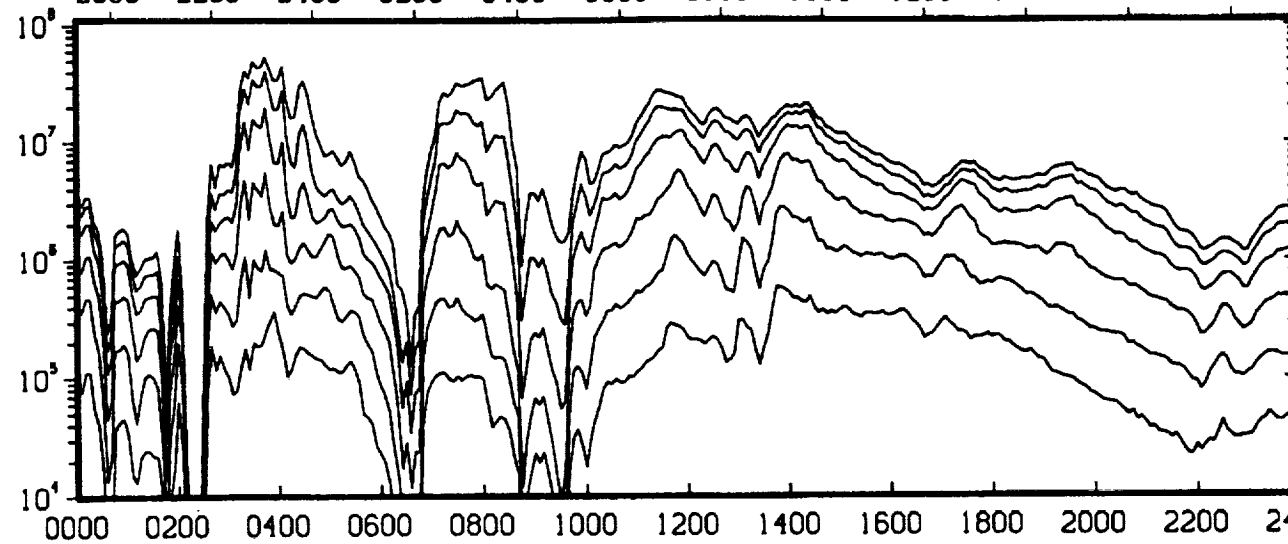
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

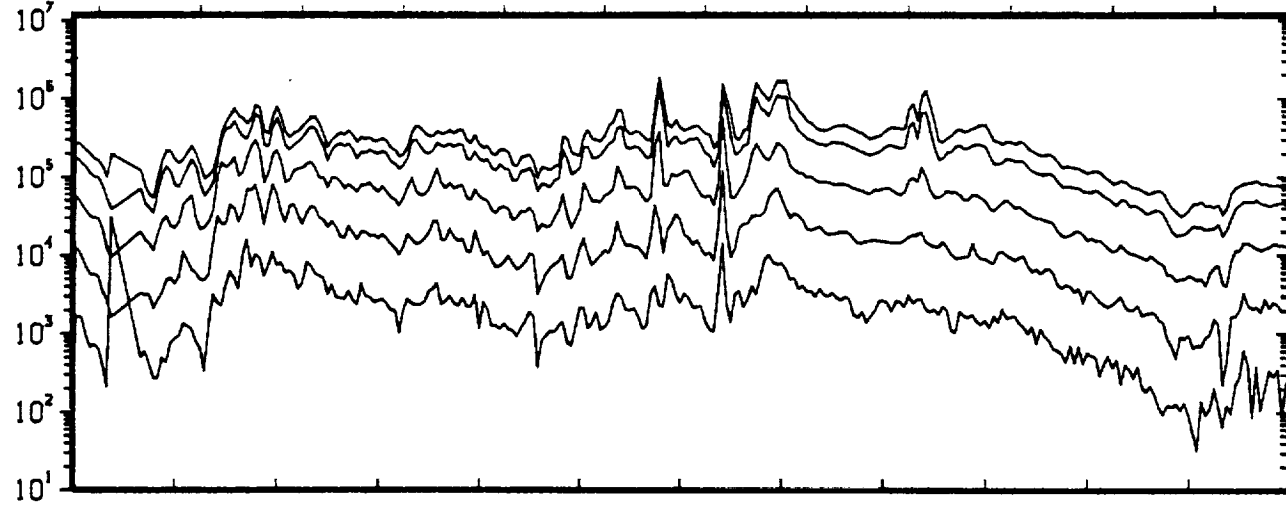
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

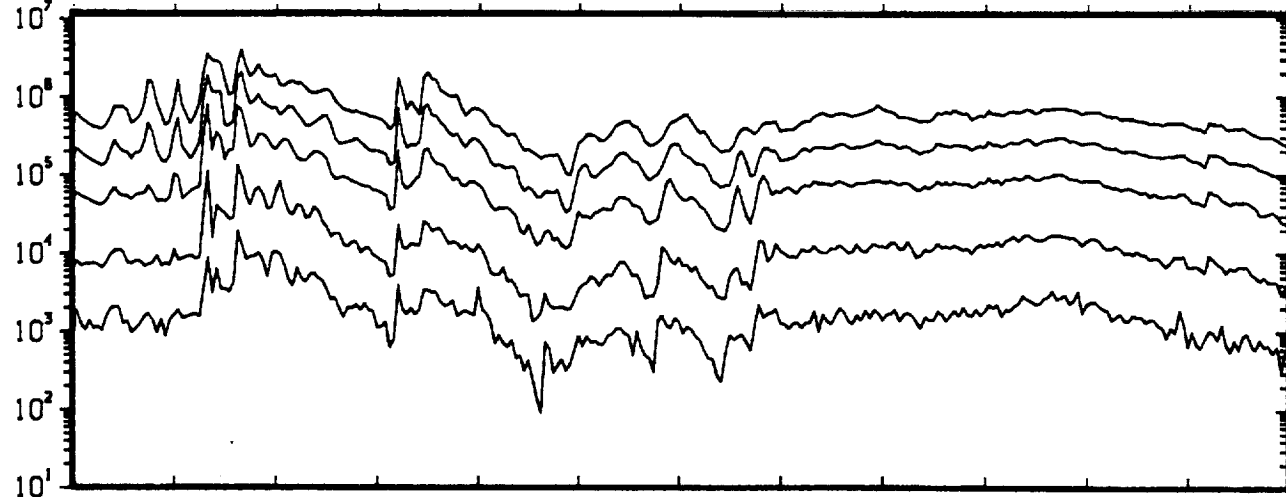
# LOW ENERGY IONS

1977-007 83/03/19  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

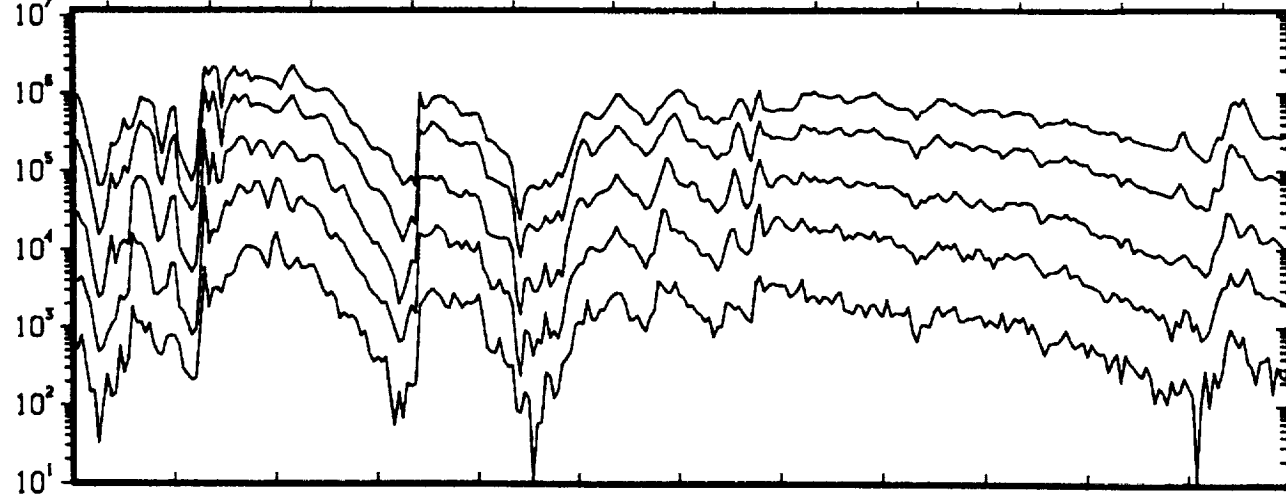


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



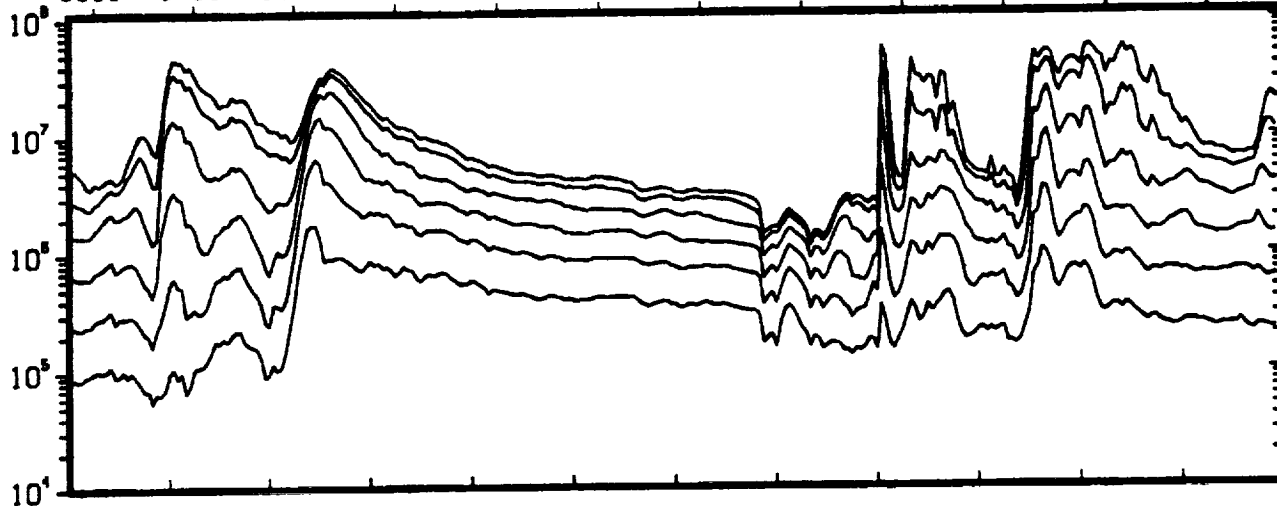
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

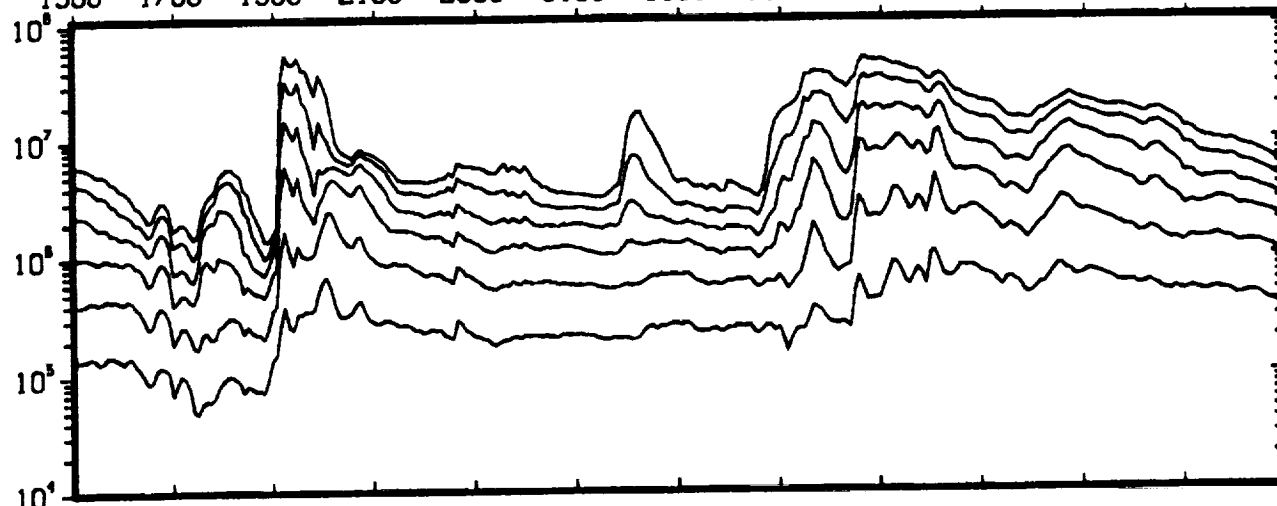
83/03/20

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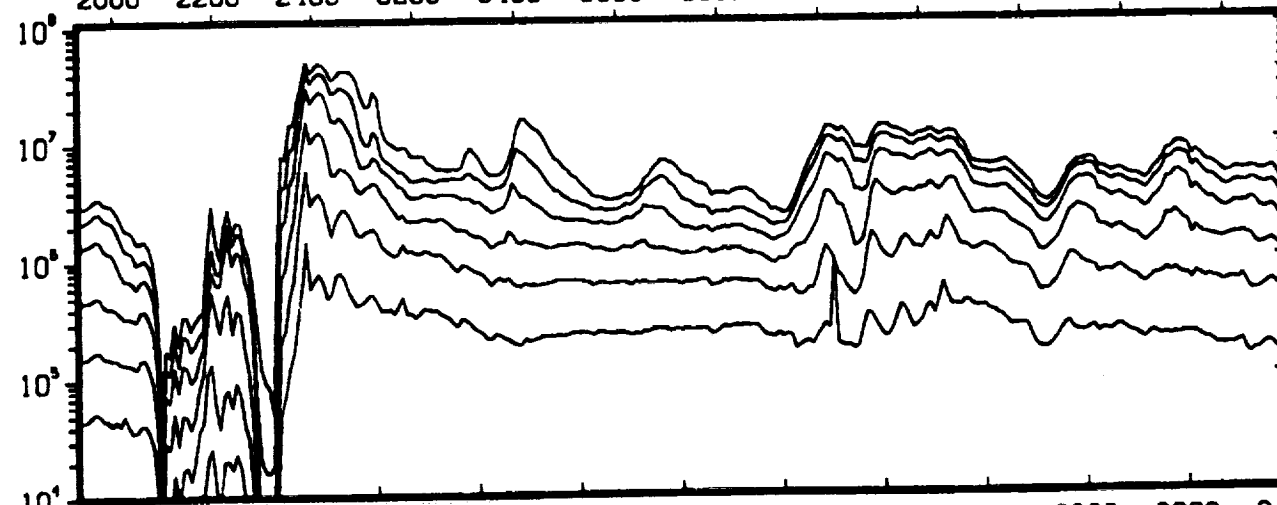
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

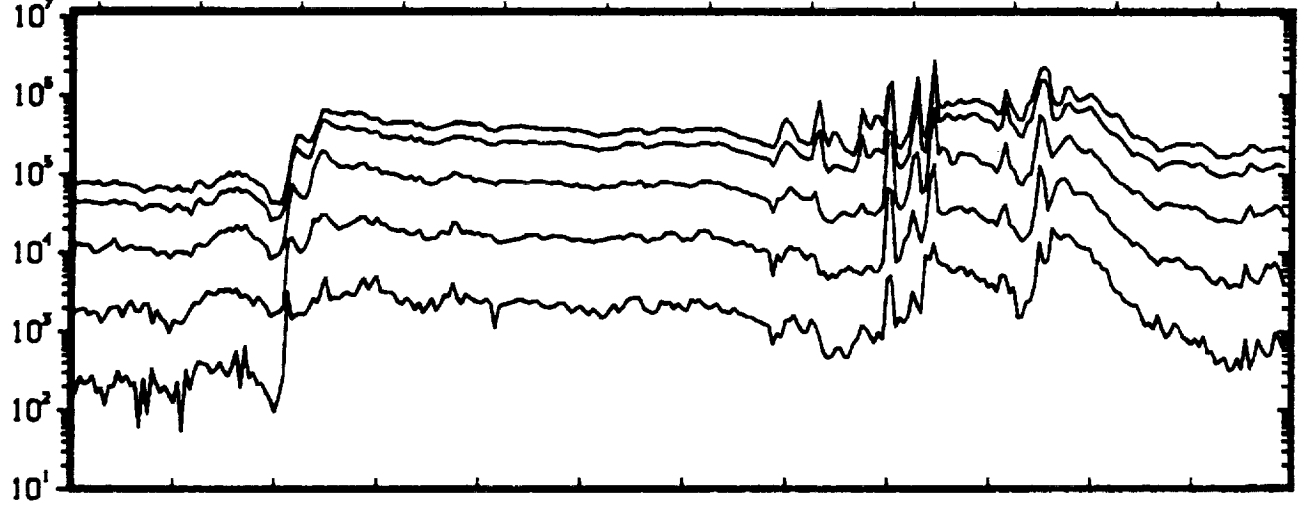
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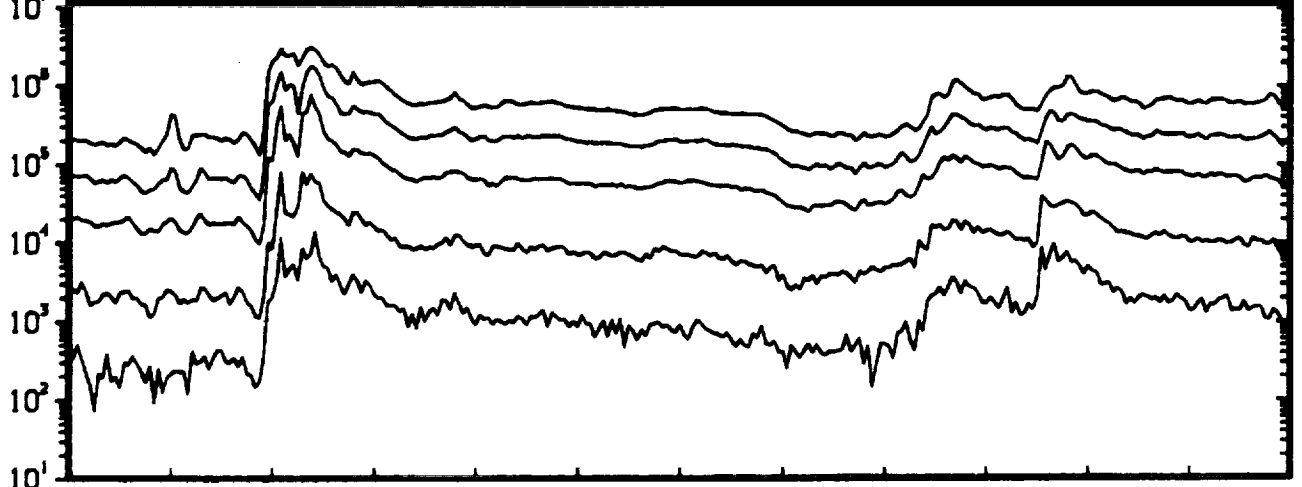
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

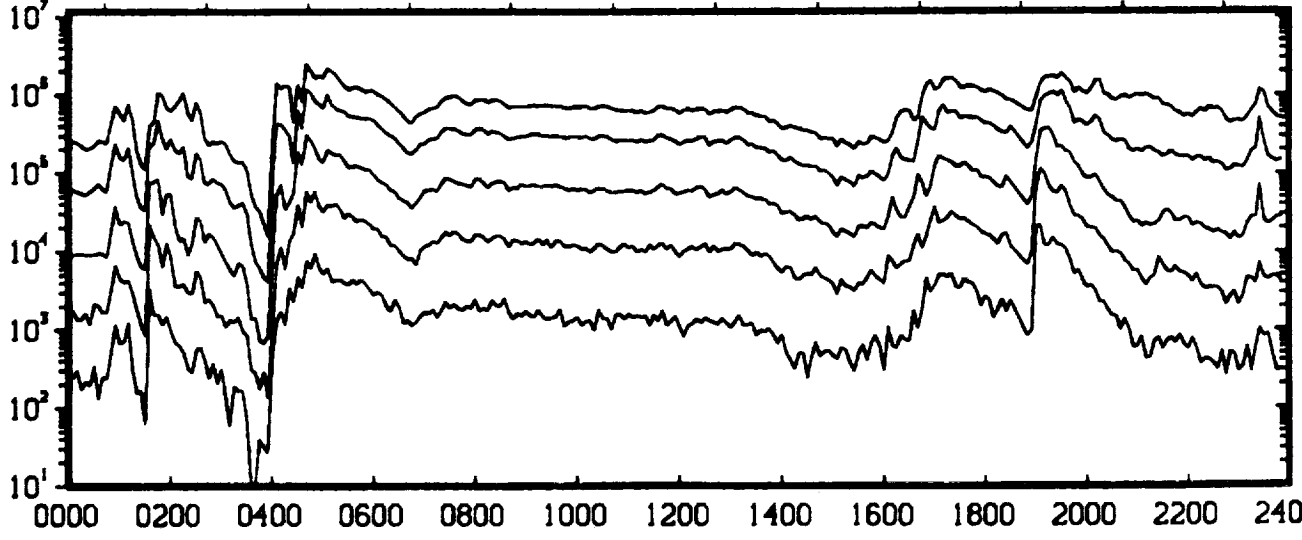
1977-007 83/03/20  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



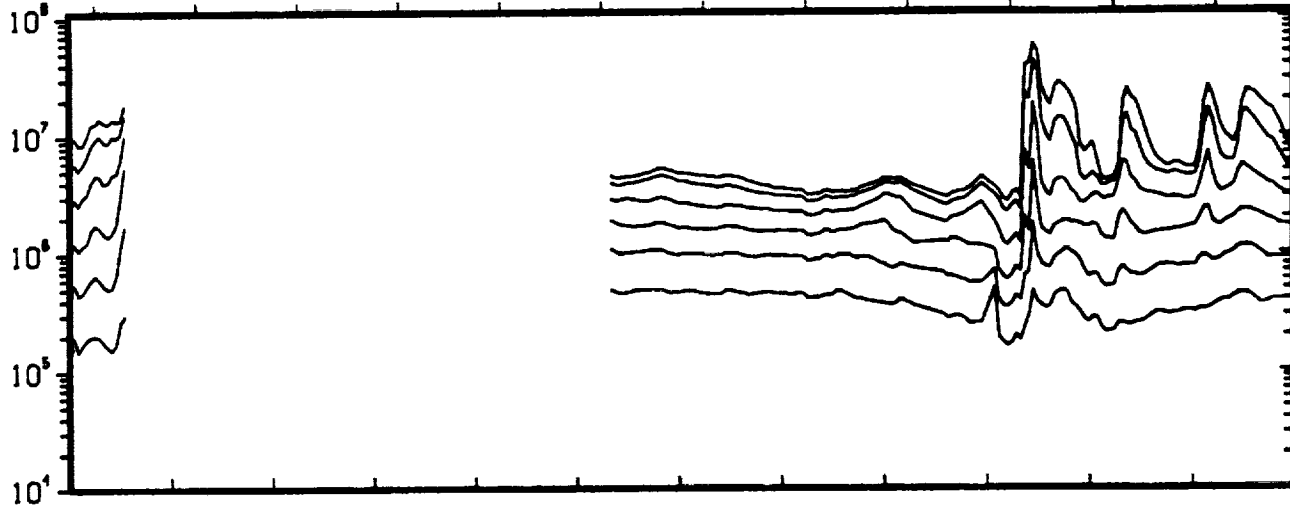
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

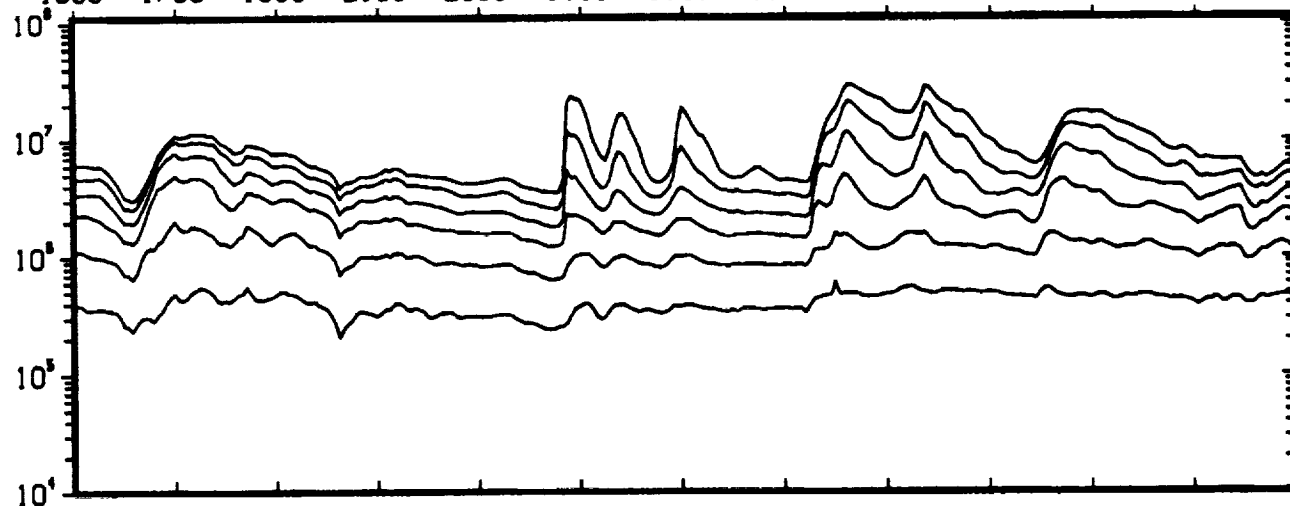
83/03/21

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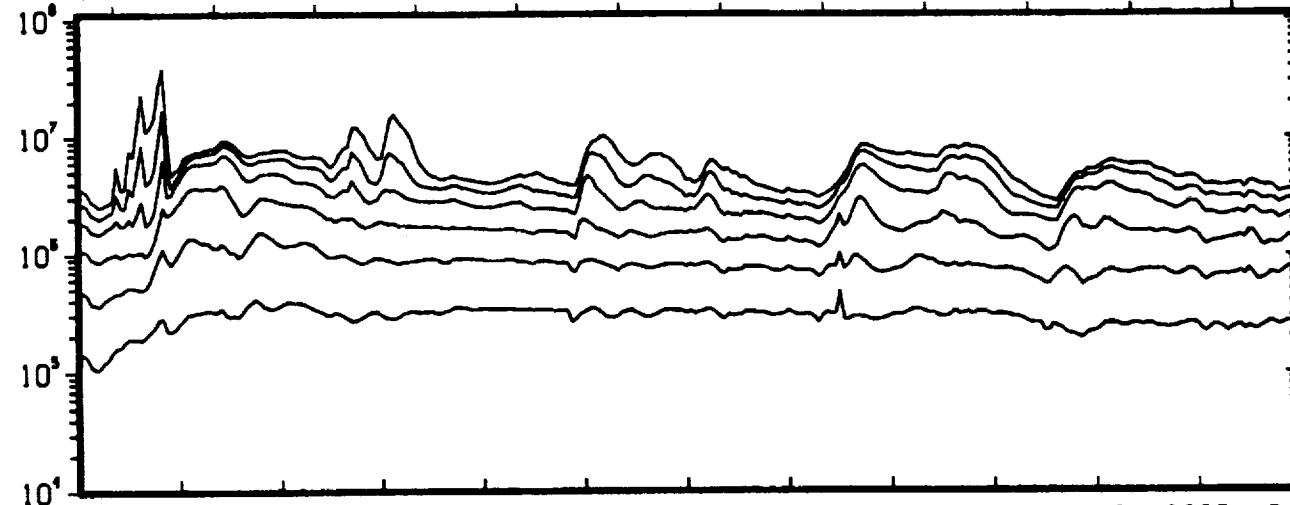
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

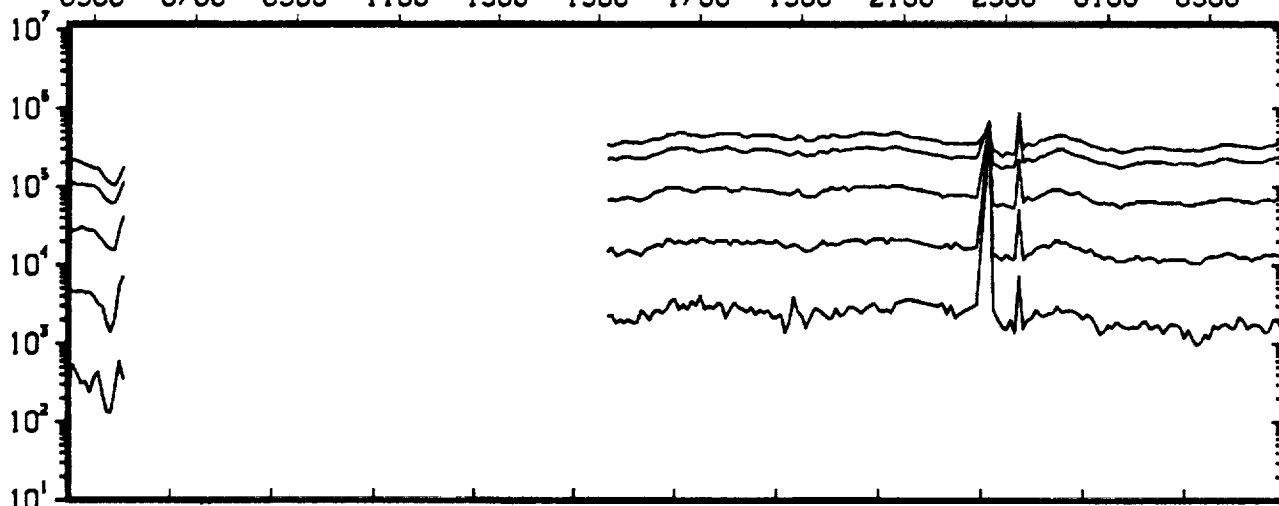


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



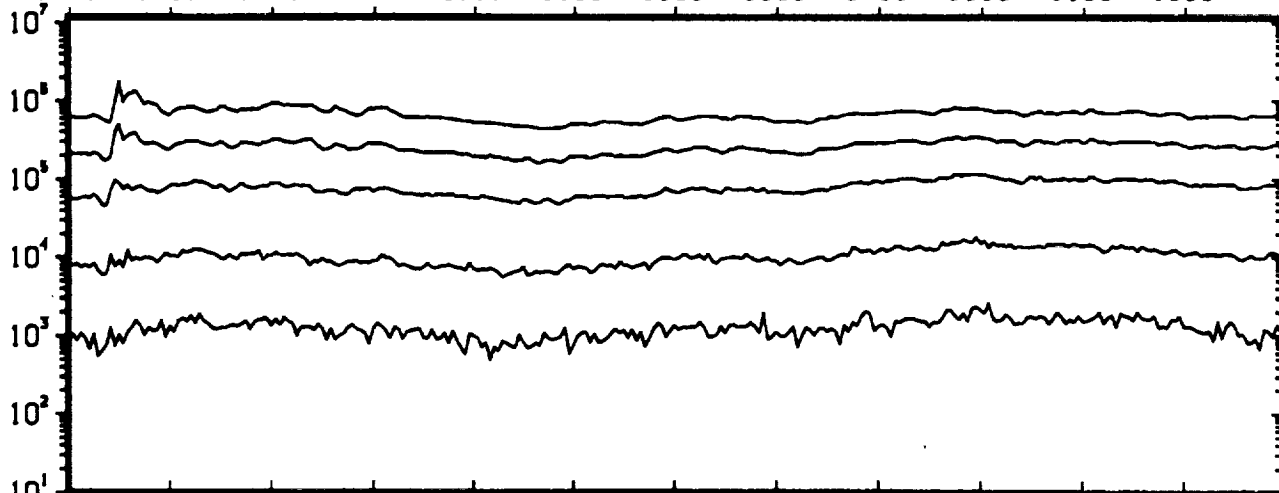
# LOW ENERGY IONS

1977-007 83/03/21  
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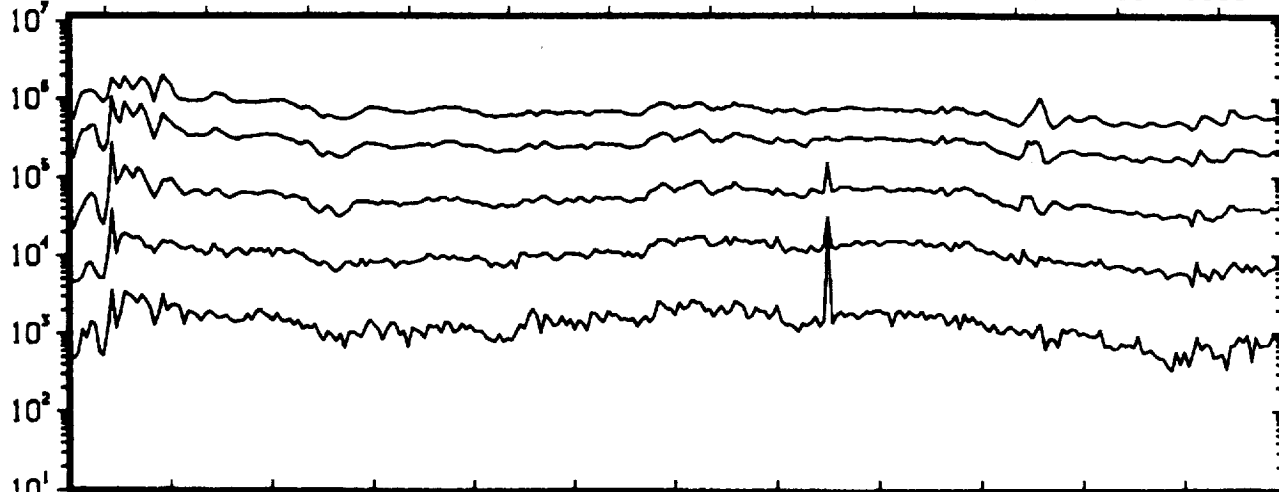


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



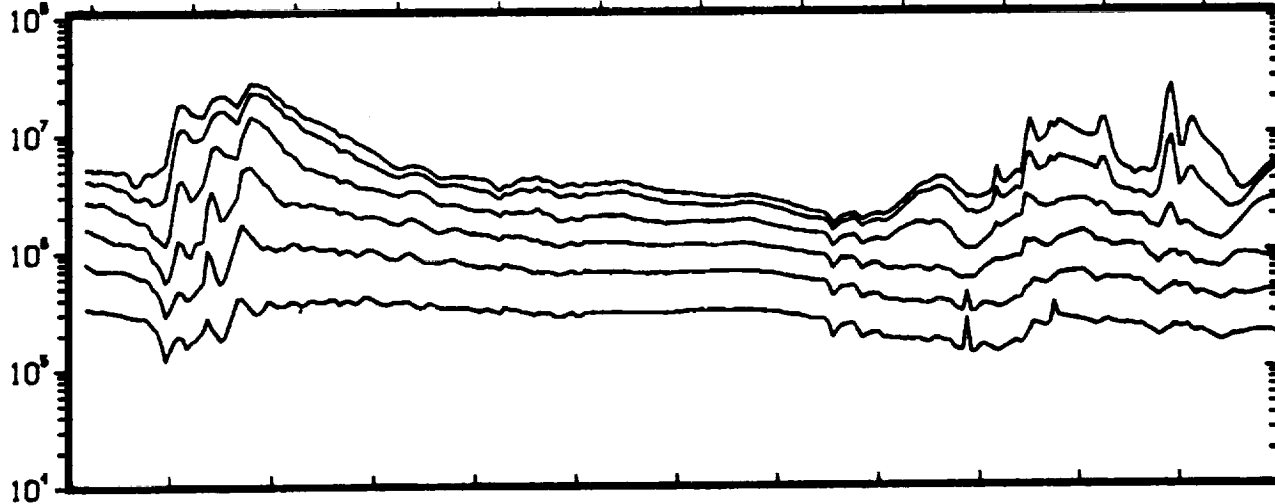
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

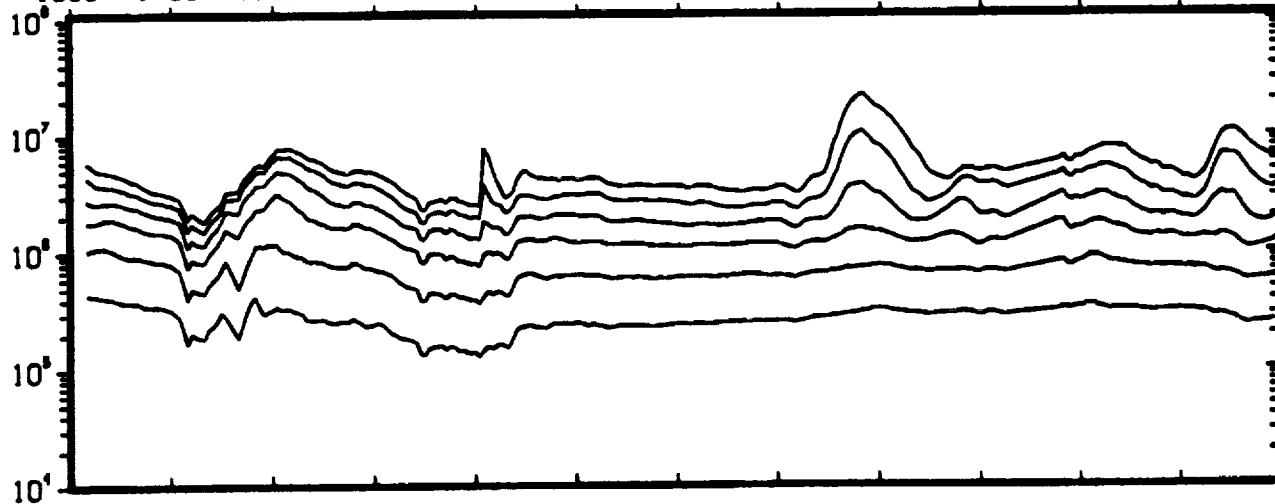
83/03/22

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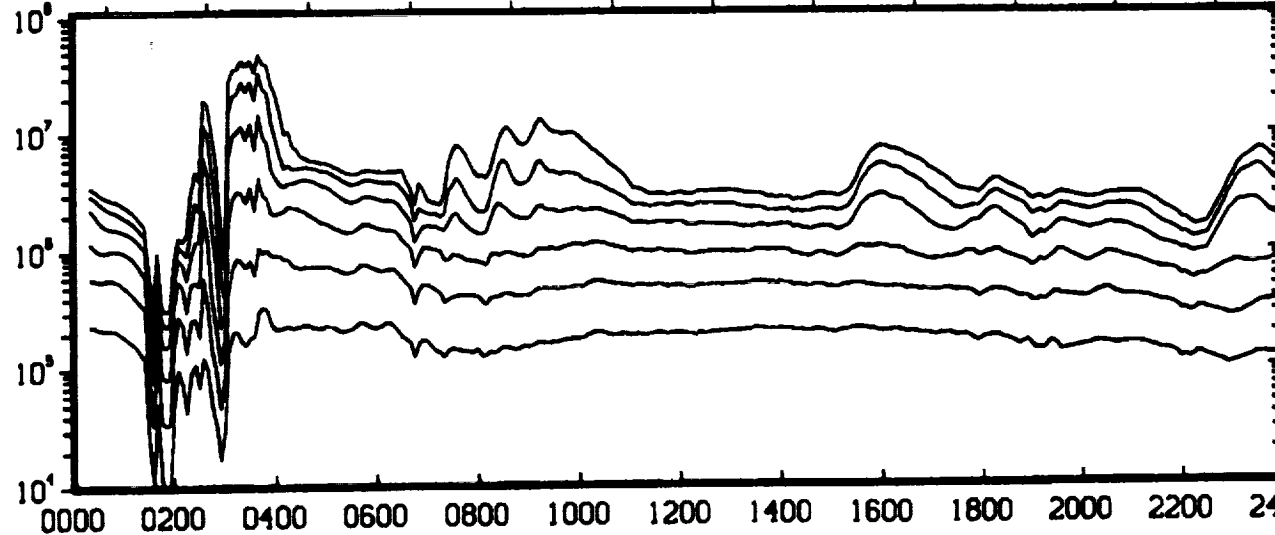
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

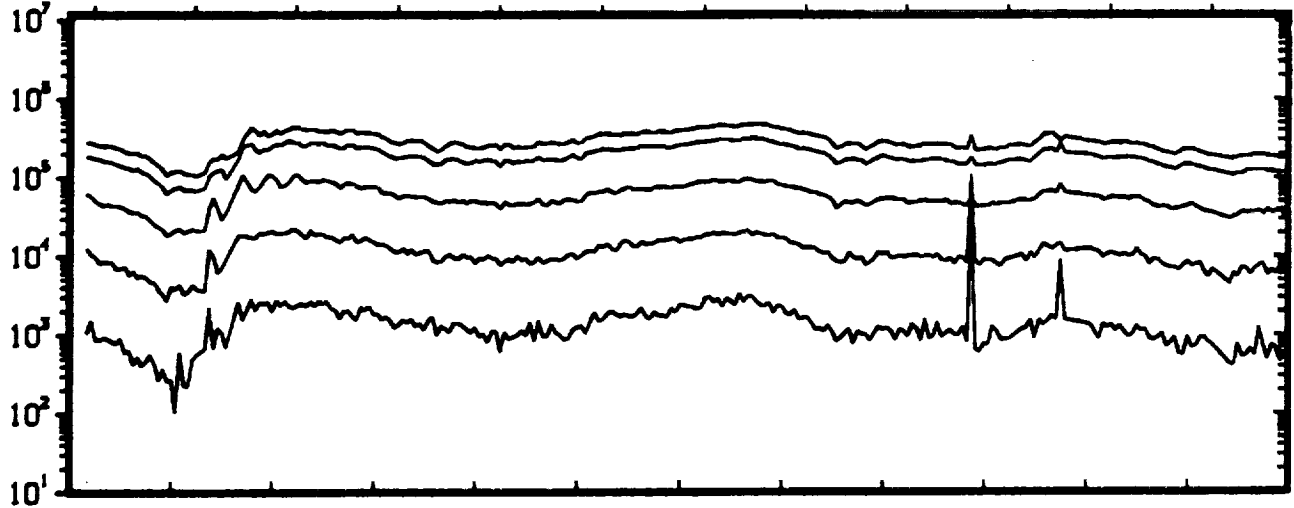
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

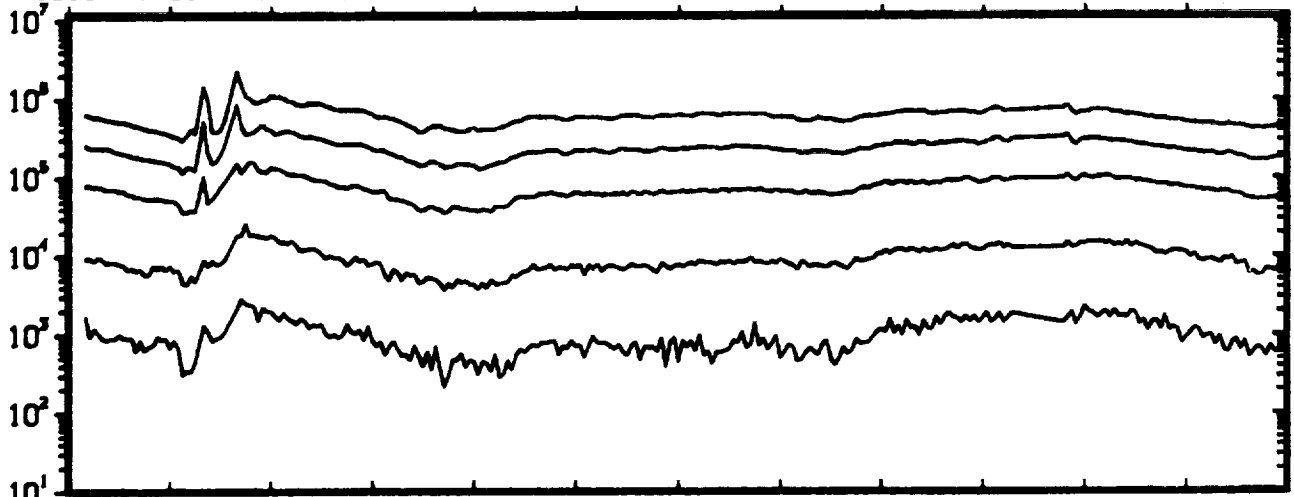
# LOW ENERGY IONS

1977-007 83/03/22  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

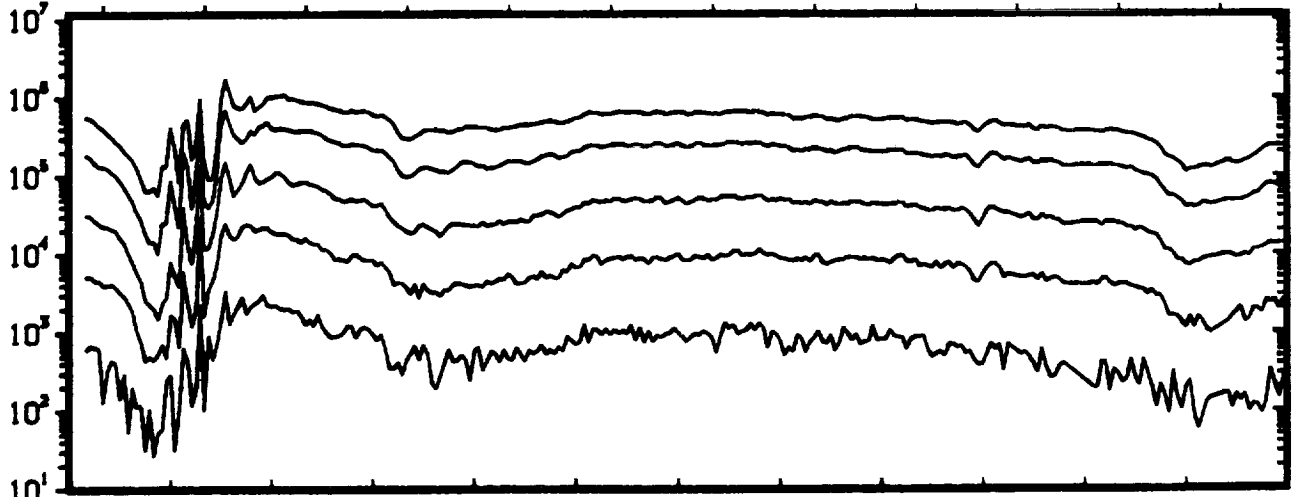


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



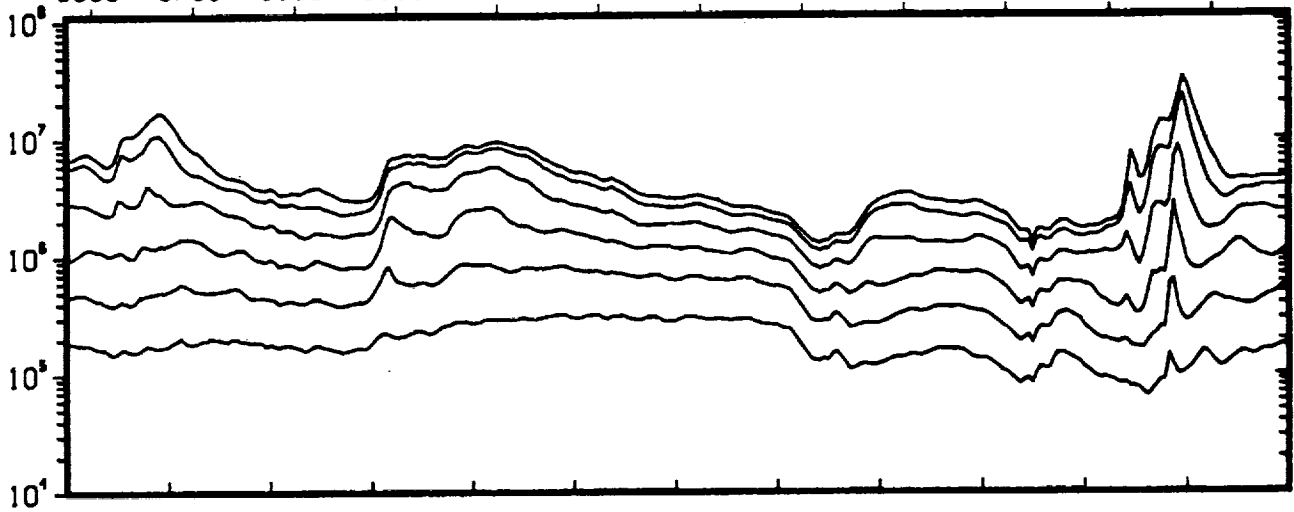
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

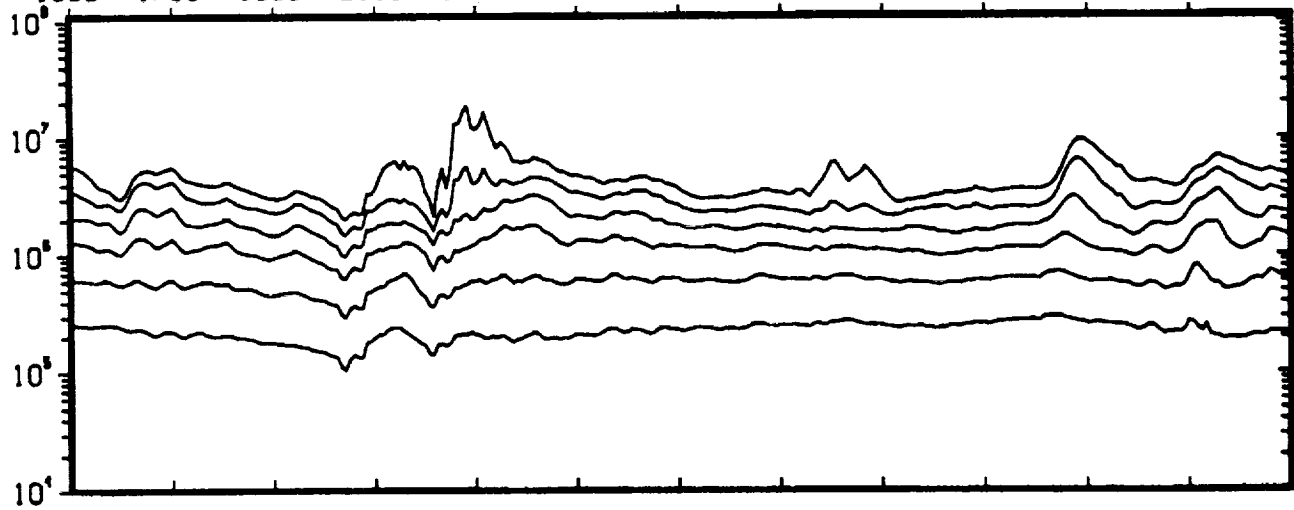
83/03/23

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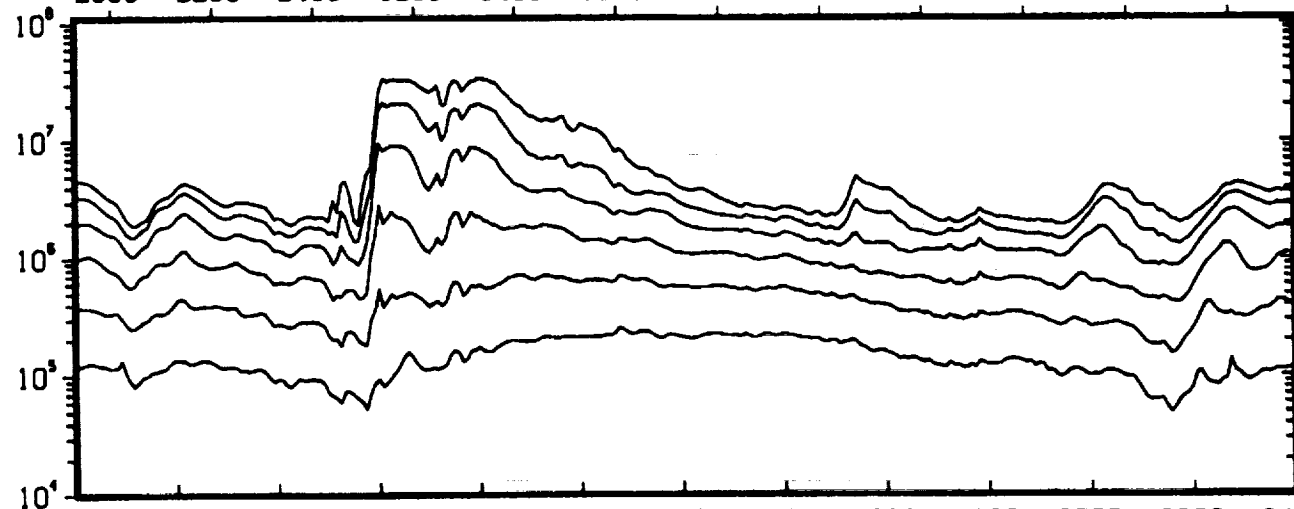
1981-025

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1982-019

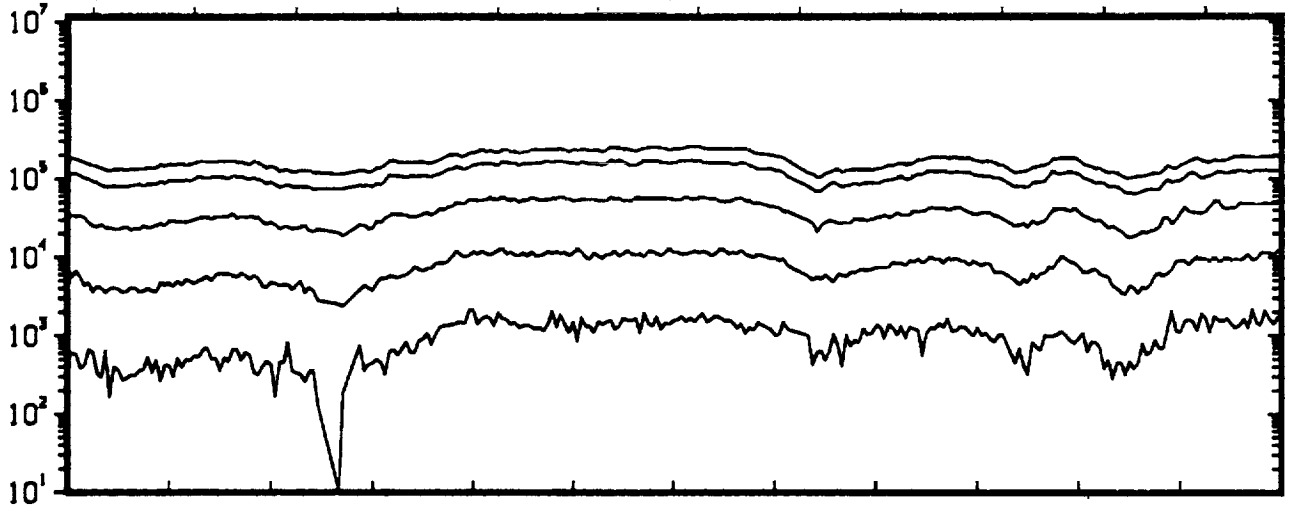
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



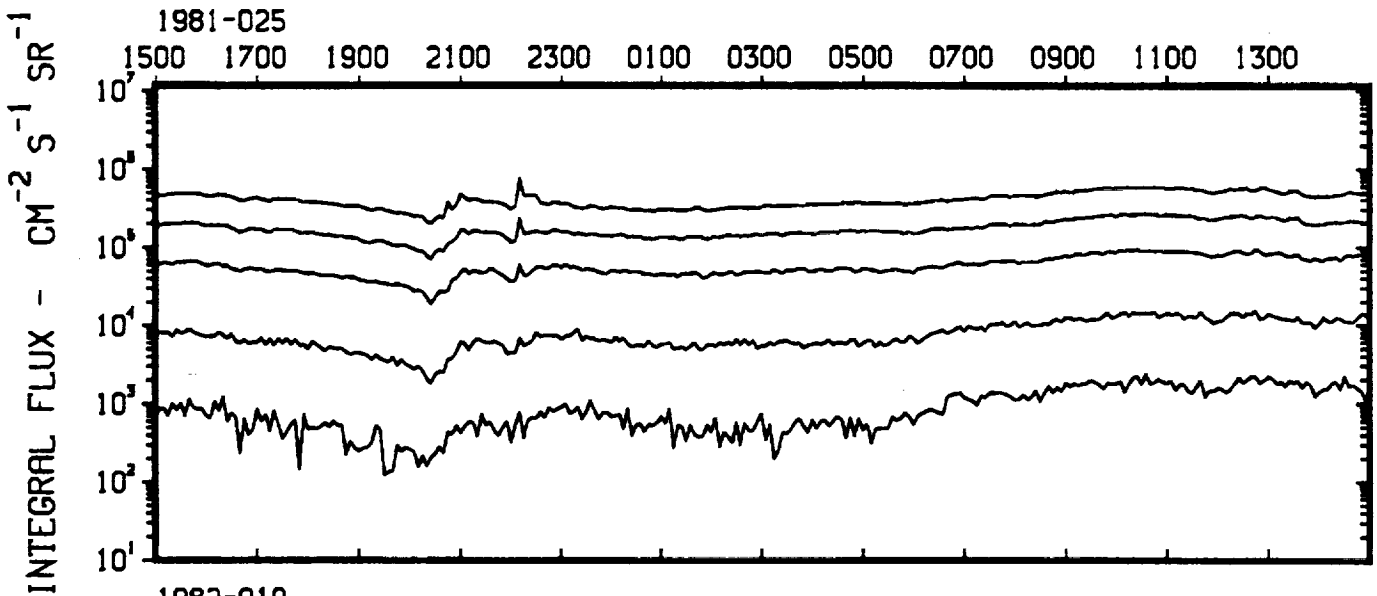
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

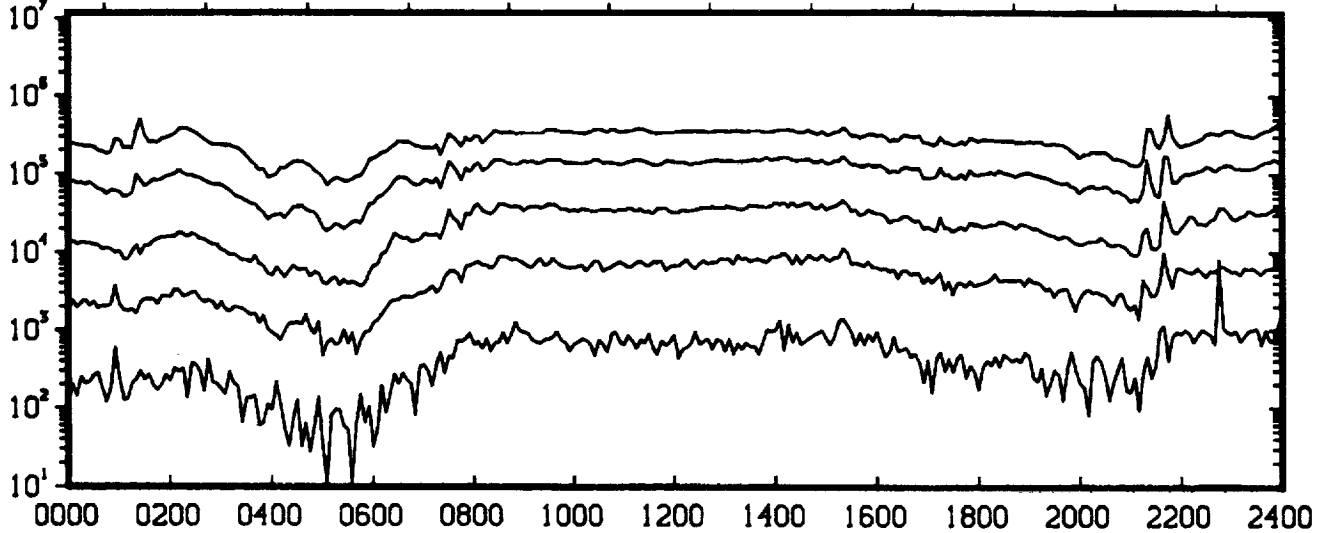
1977-007 83/03/23  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

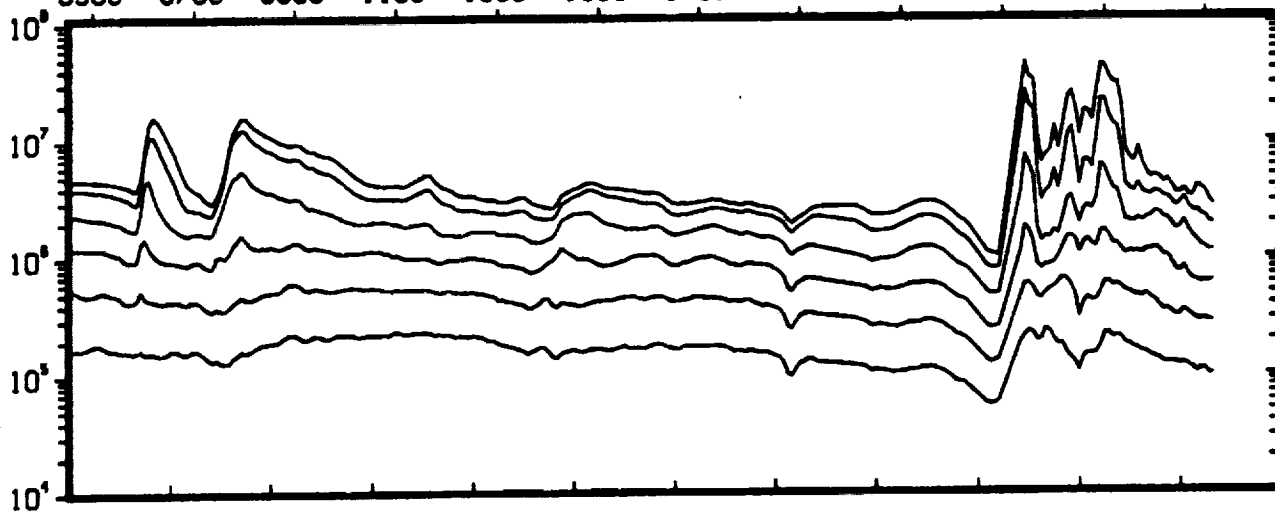


# LOW ENERGY ELECTRONS

1977-007

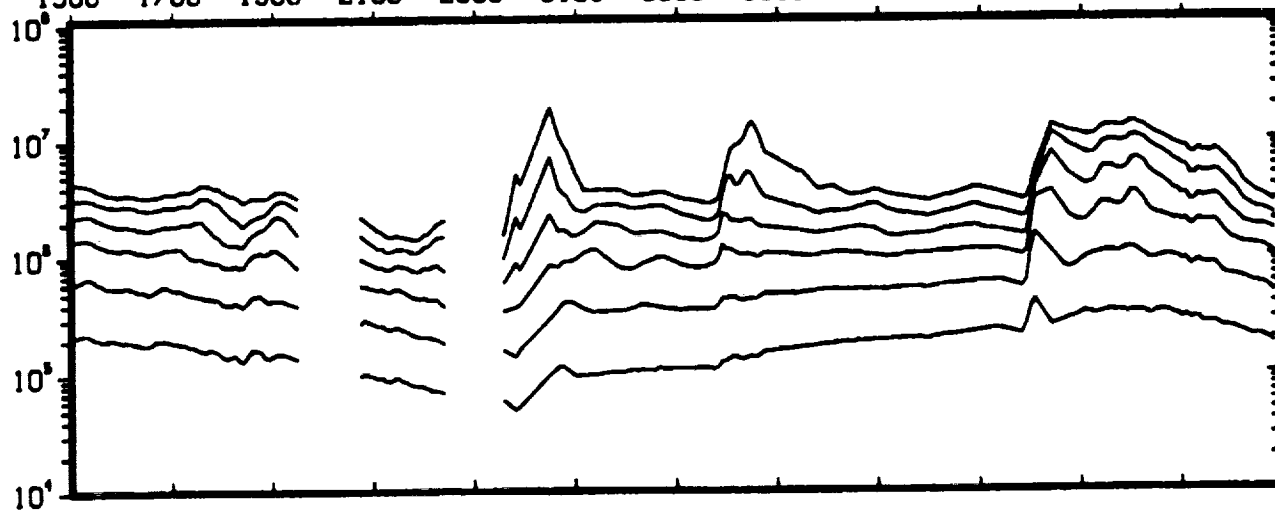
83/03/24

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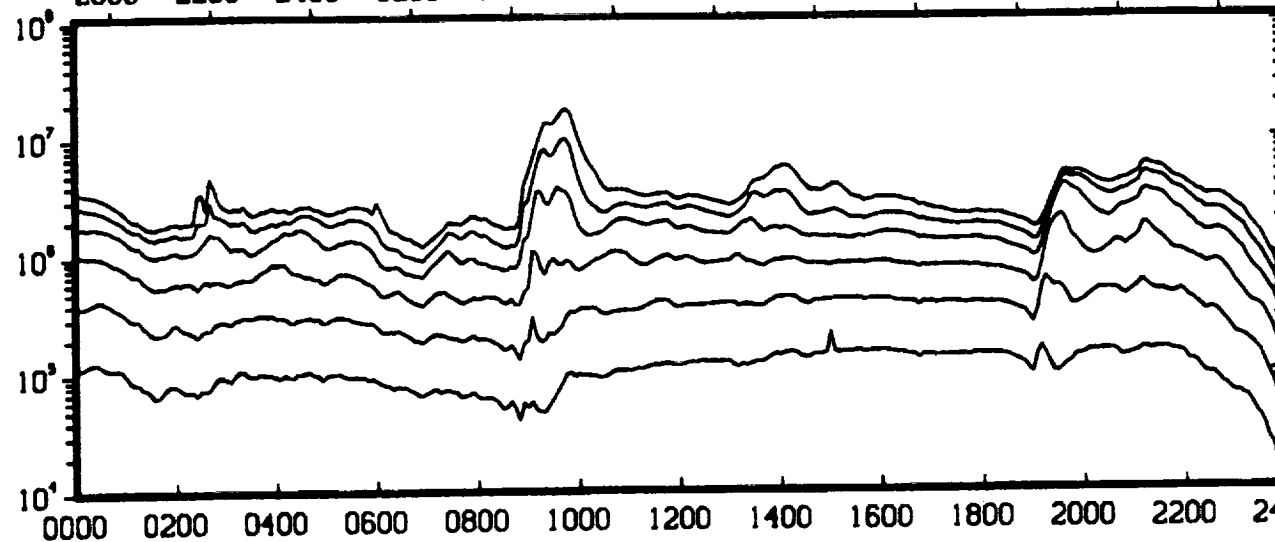
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



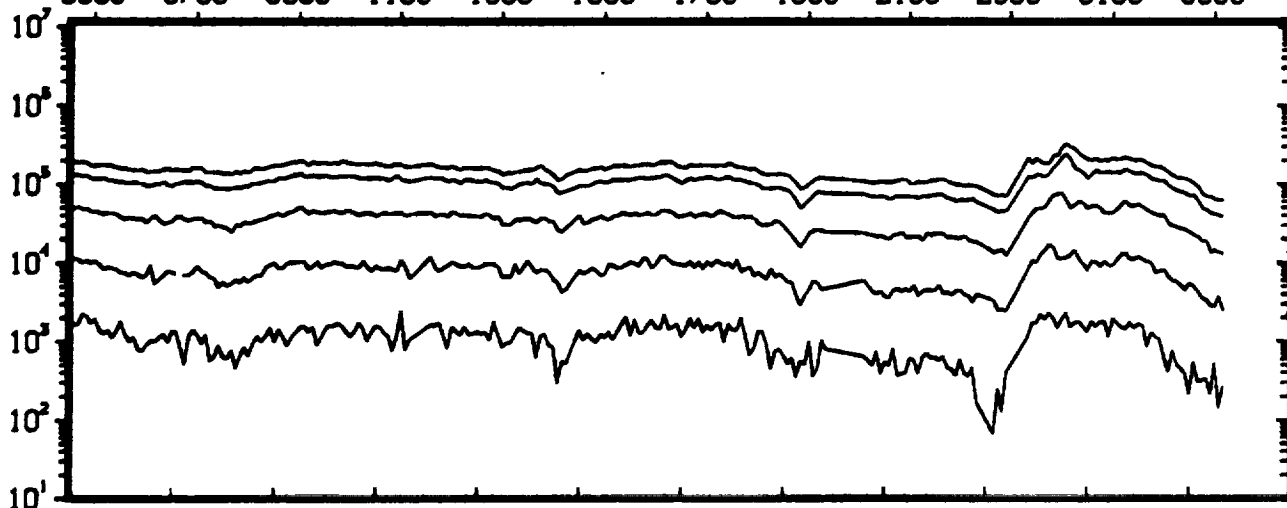
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

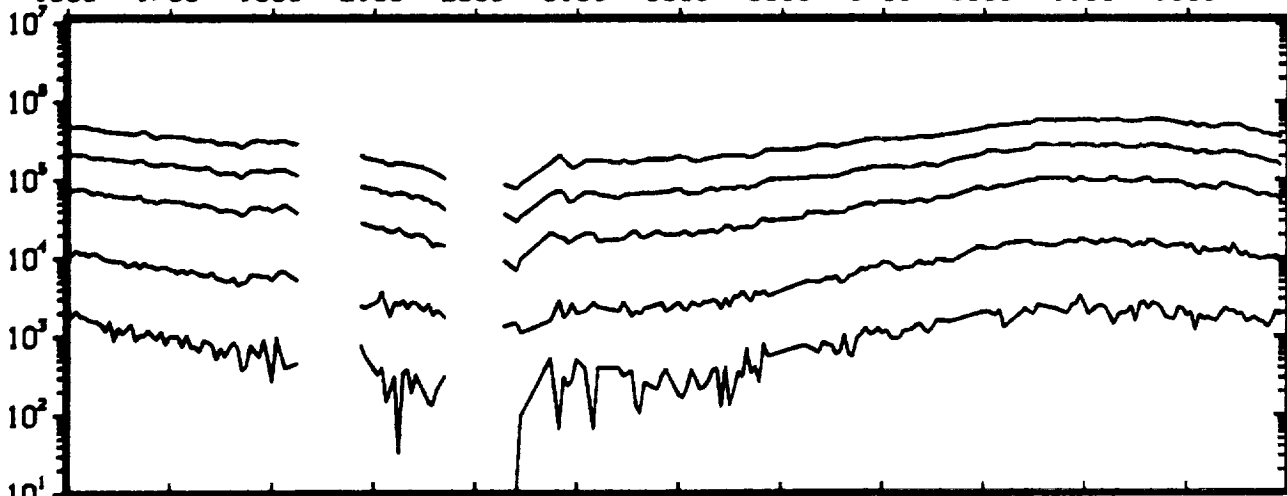
83/03/24

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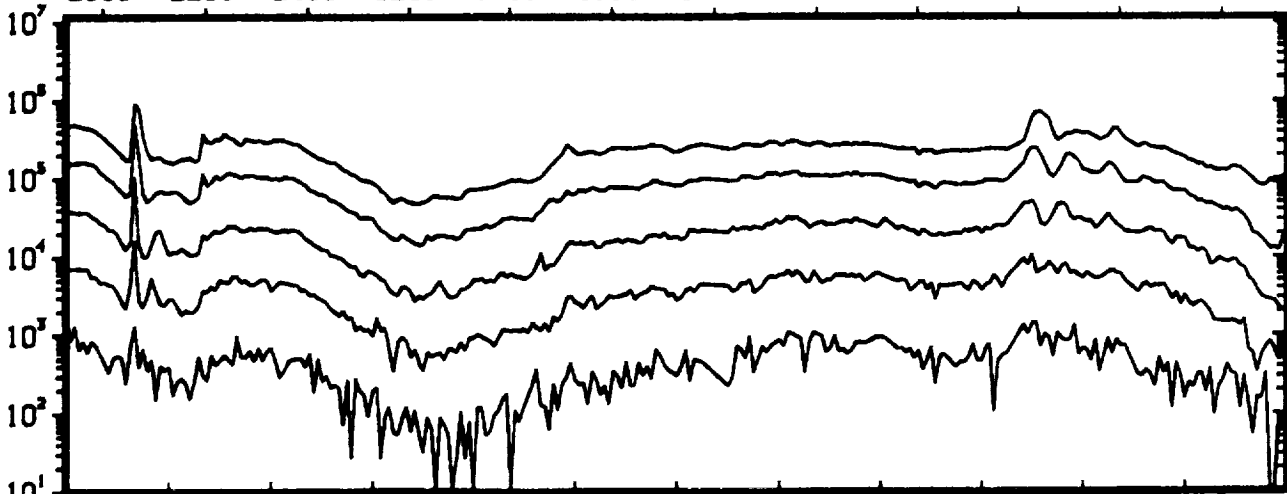
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



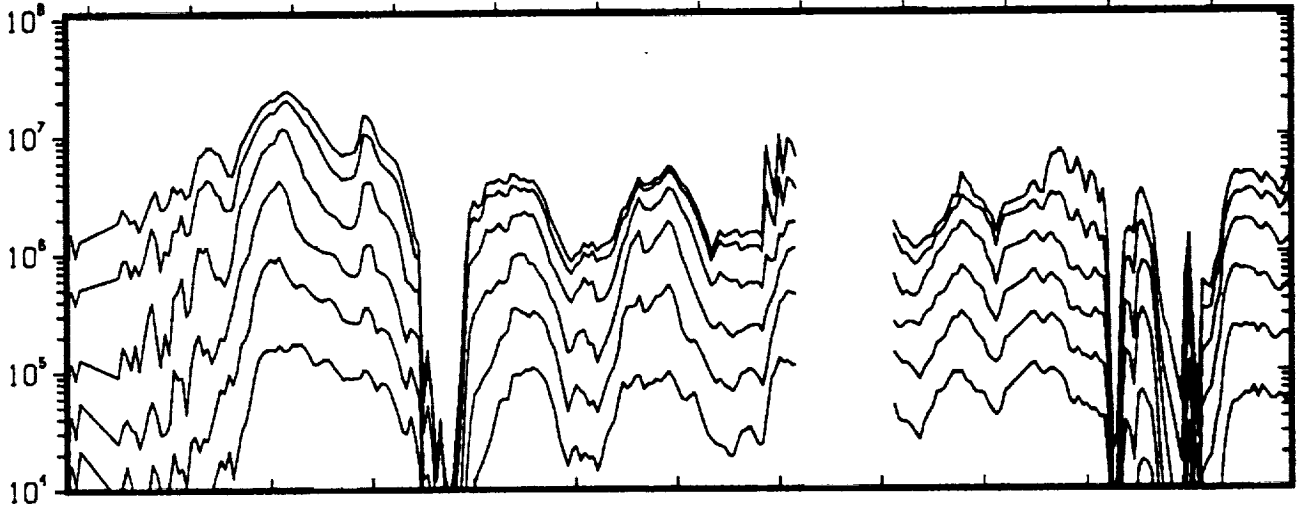
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

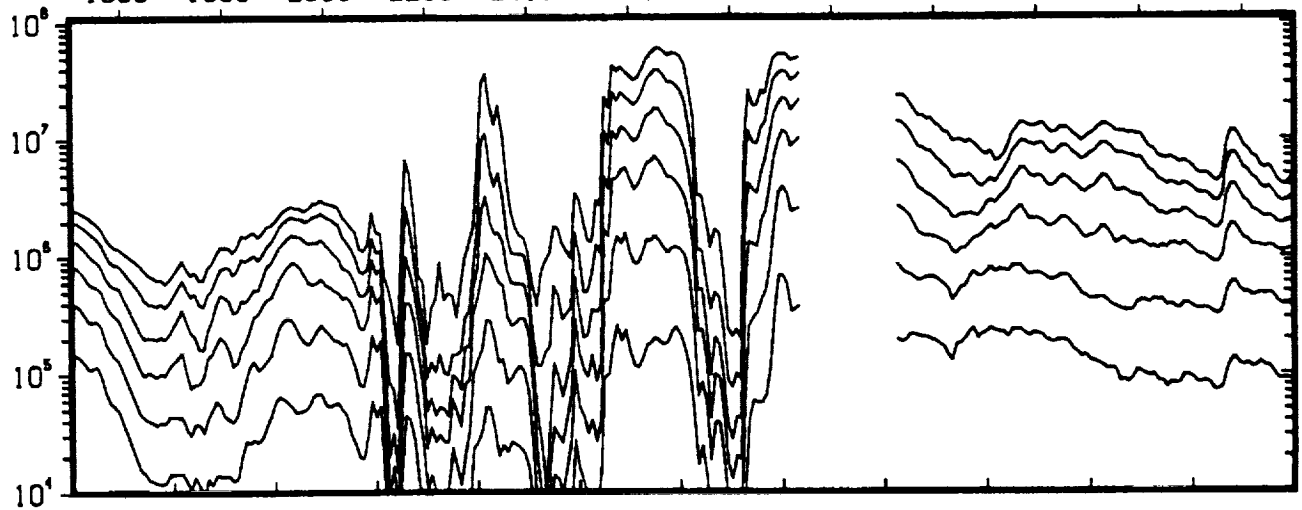
83/03/25

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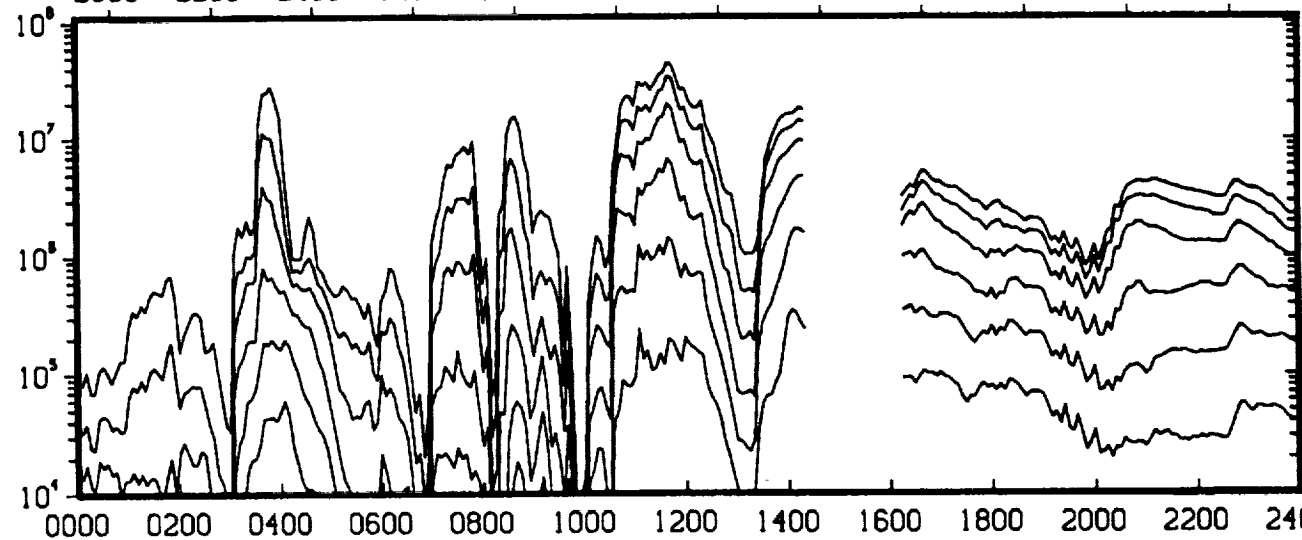
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

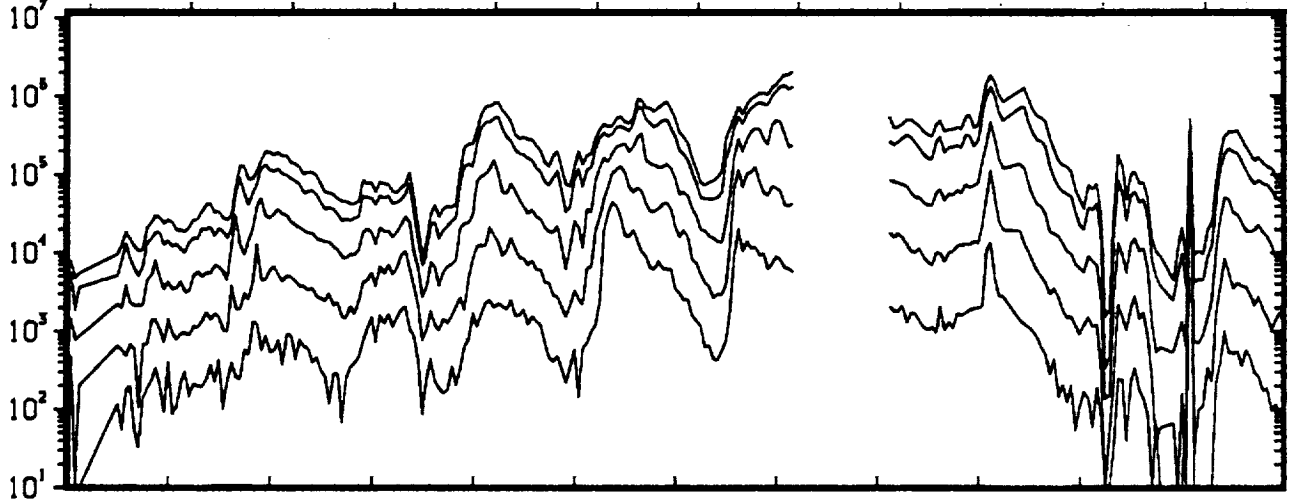


# LOW ENERGY IONS

1977-007

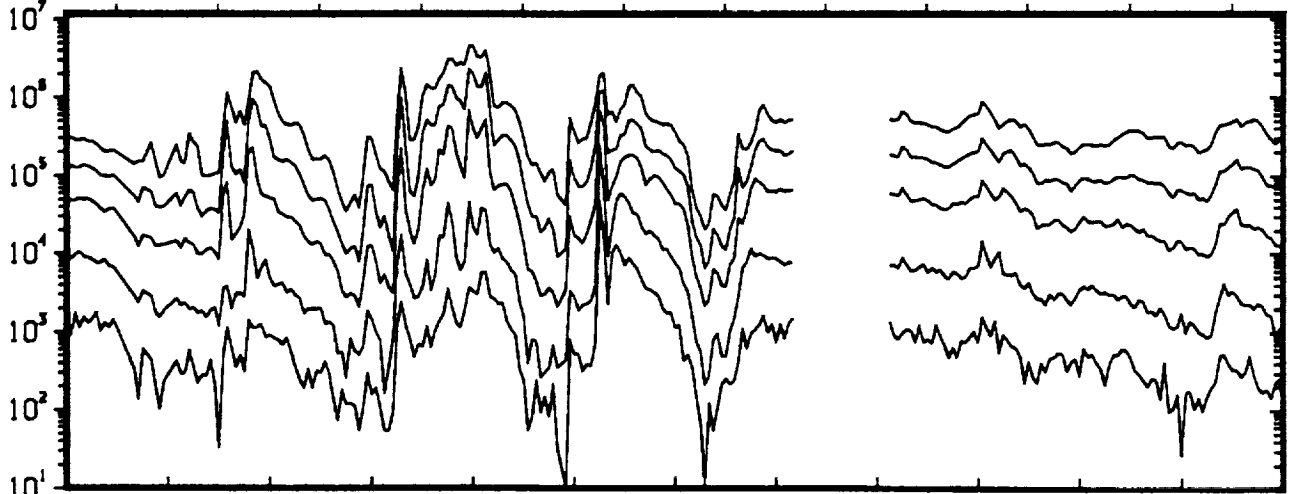
83/03/25

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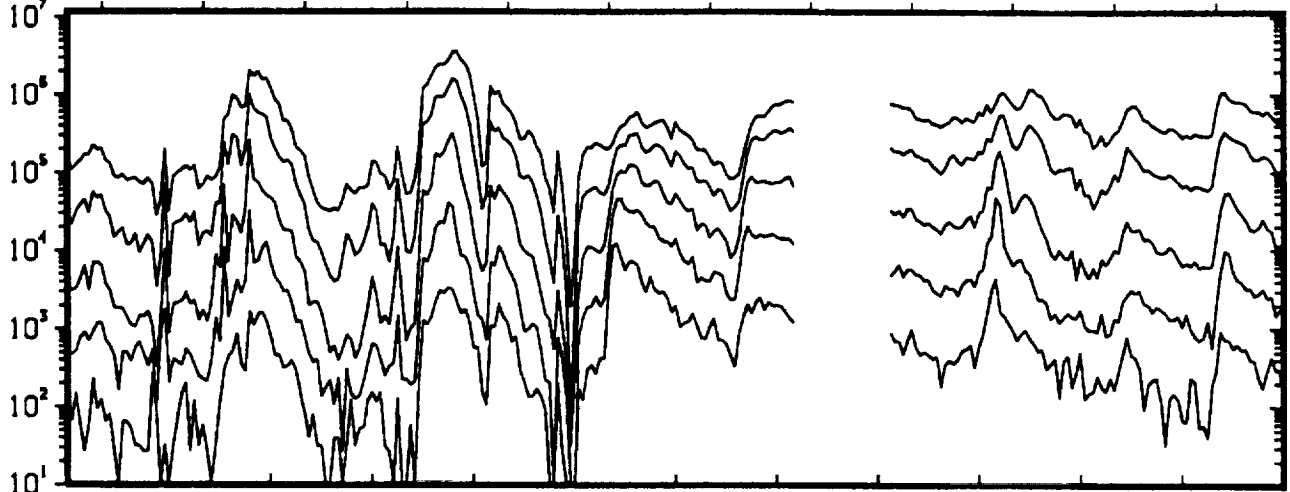
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



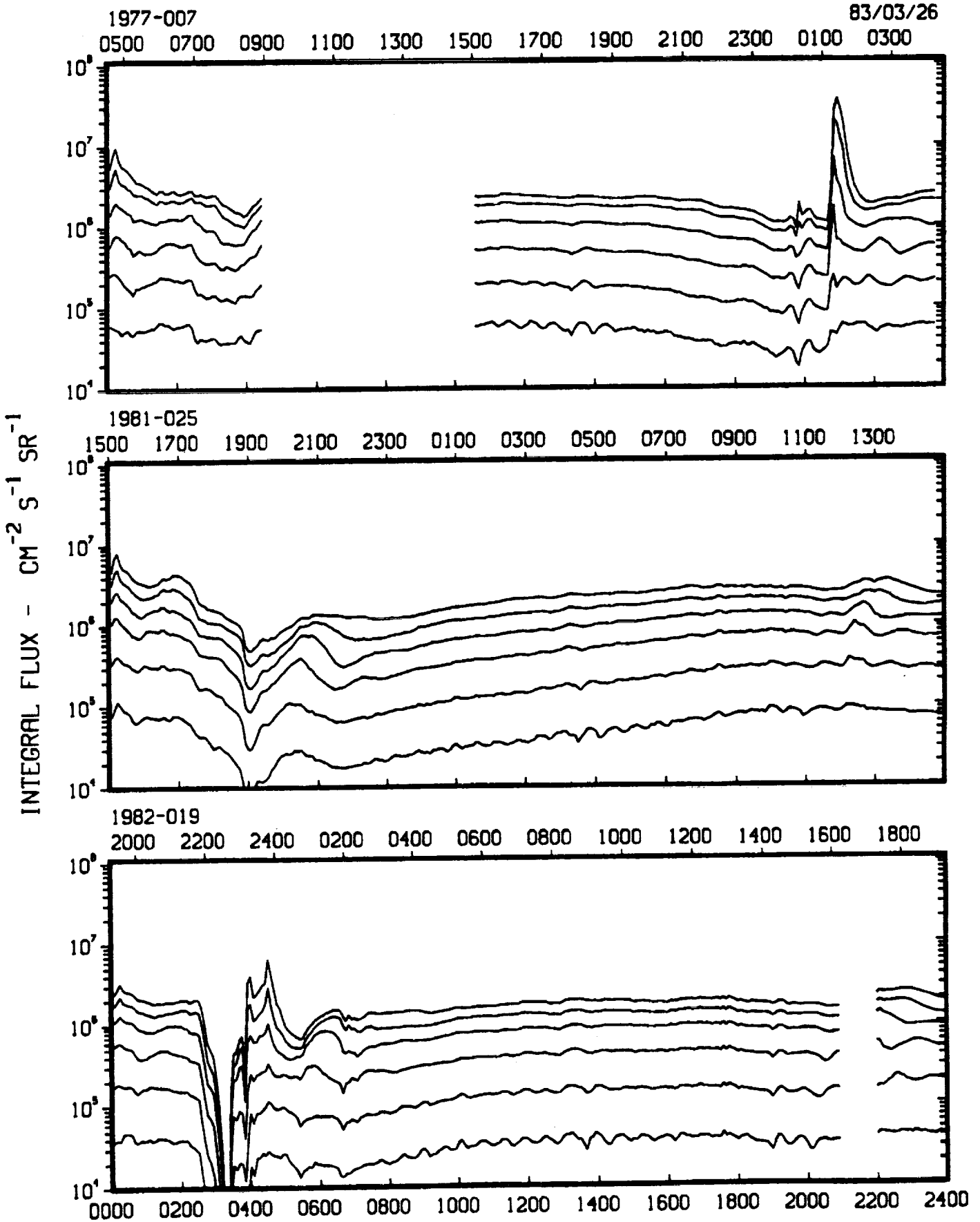
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

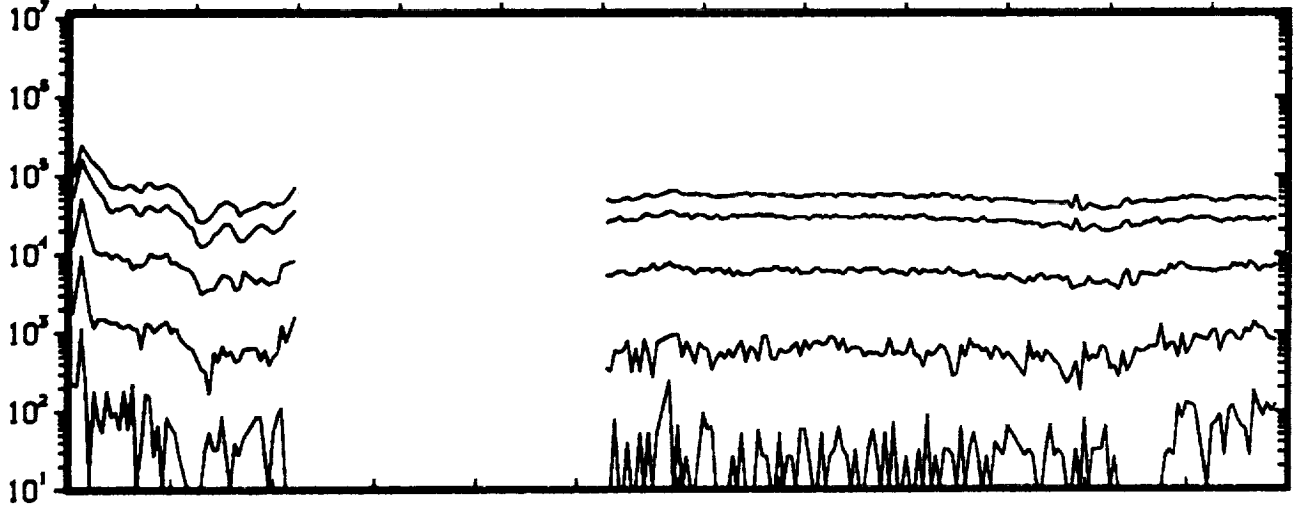


# LOW ENERGY IONS

1977-007

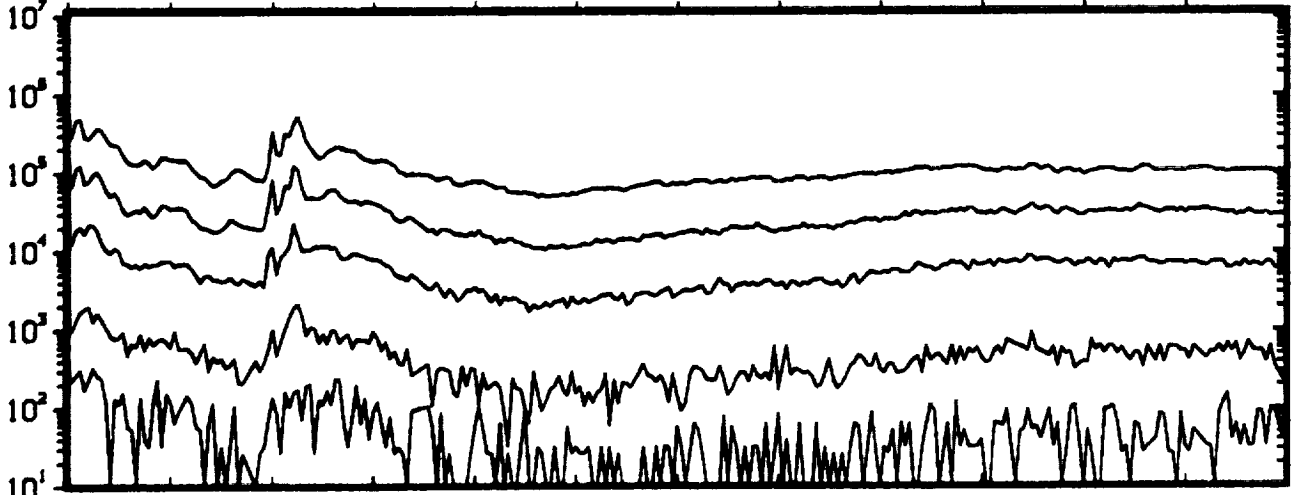
83/03/26

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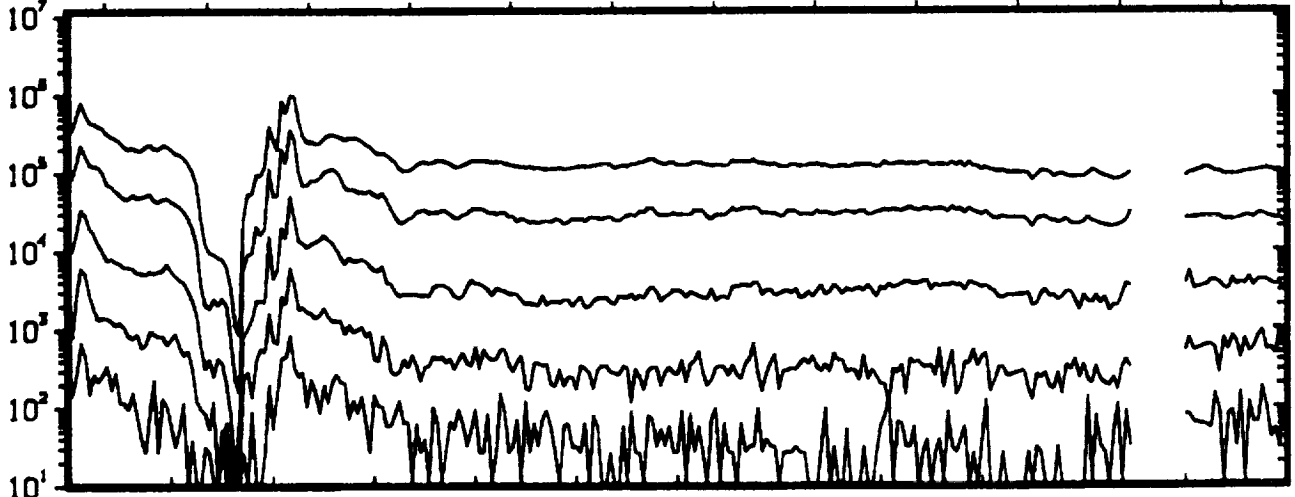
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



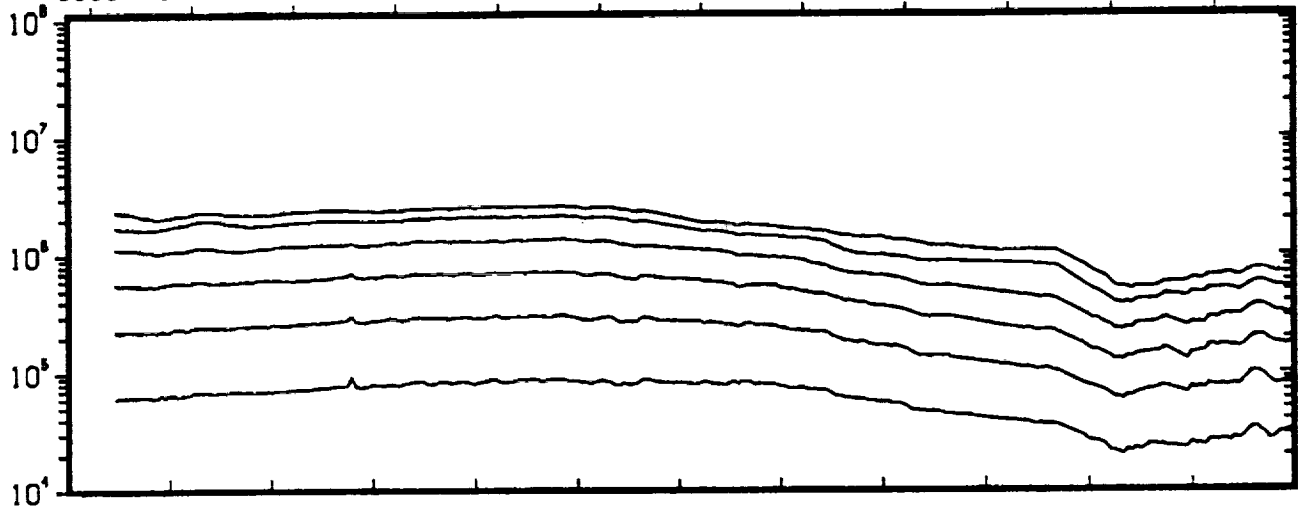
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

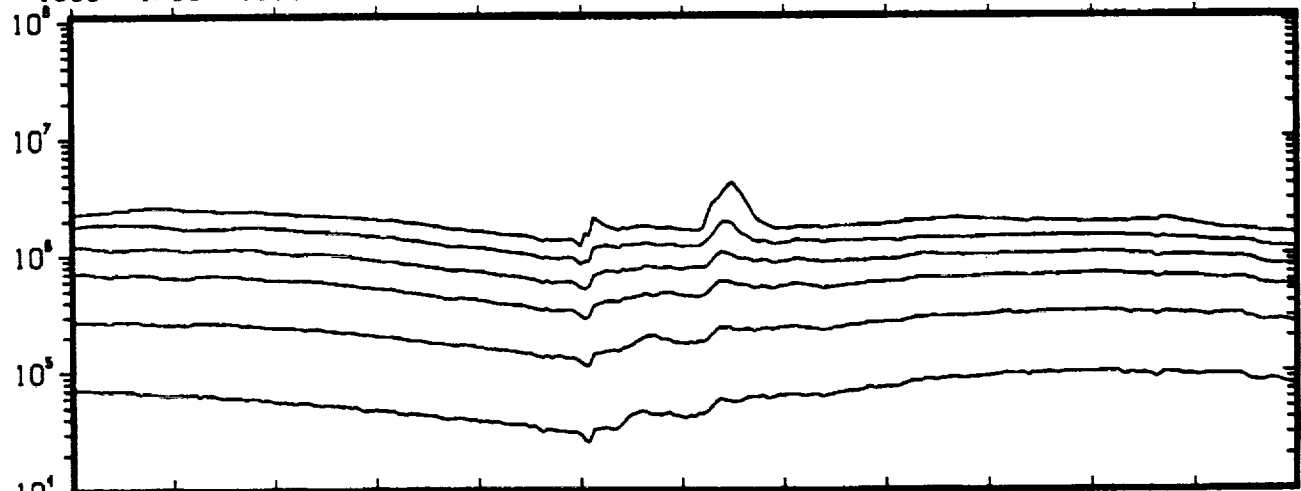
83/03/27

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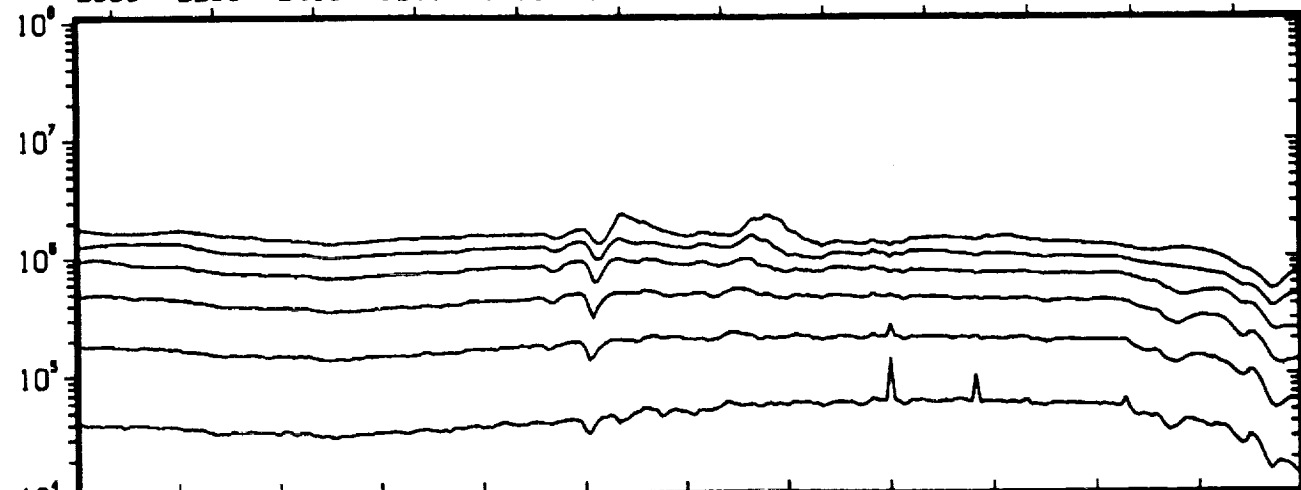
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



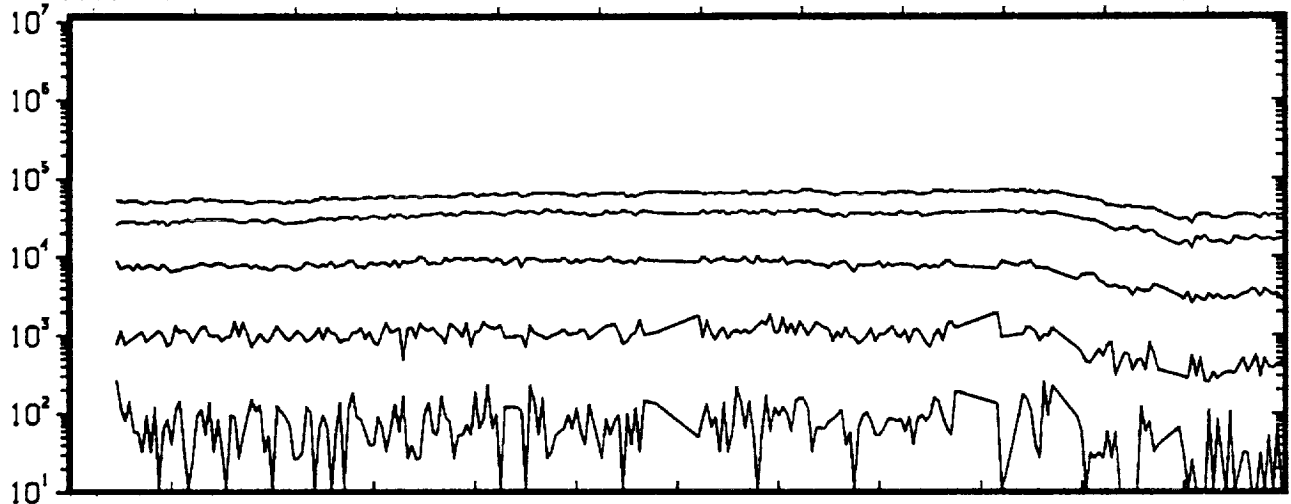
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

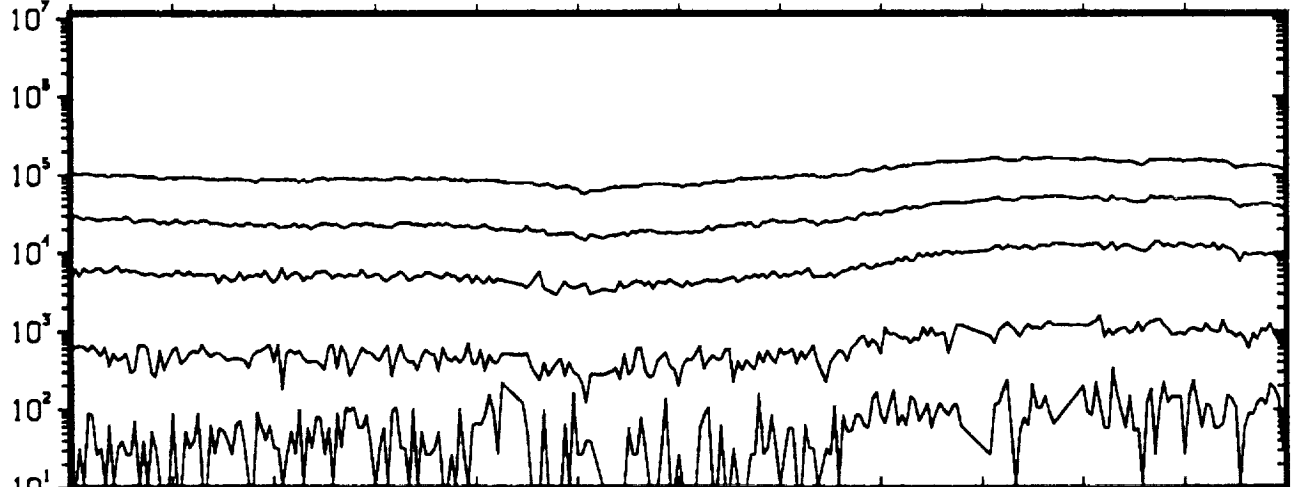
83/03/27

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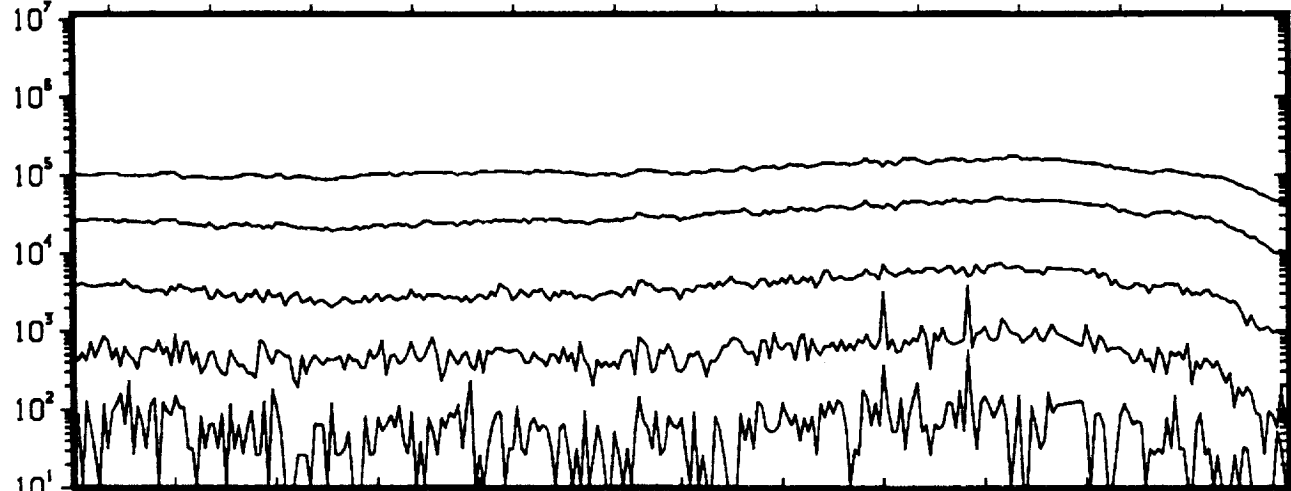
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



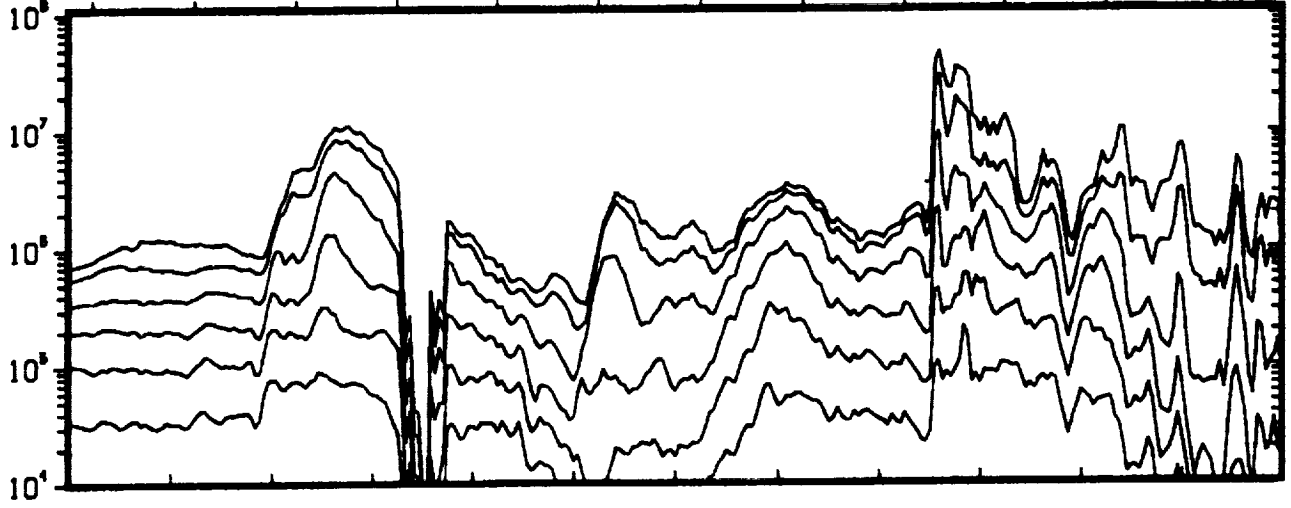
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

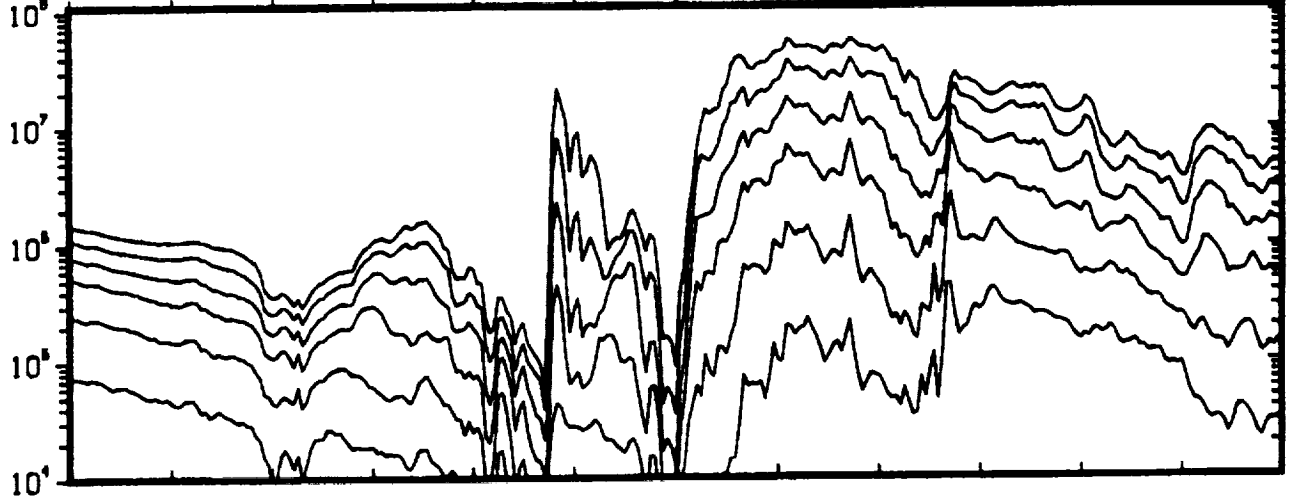
83/03/28

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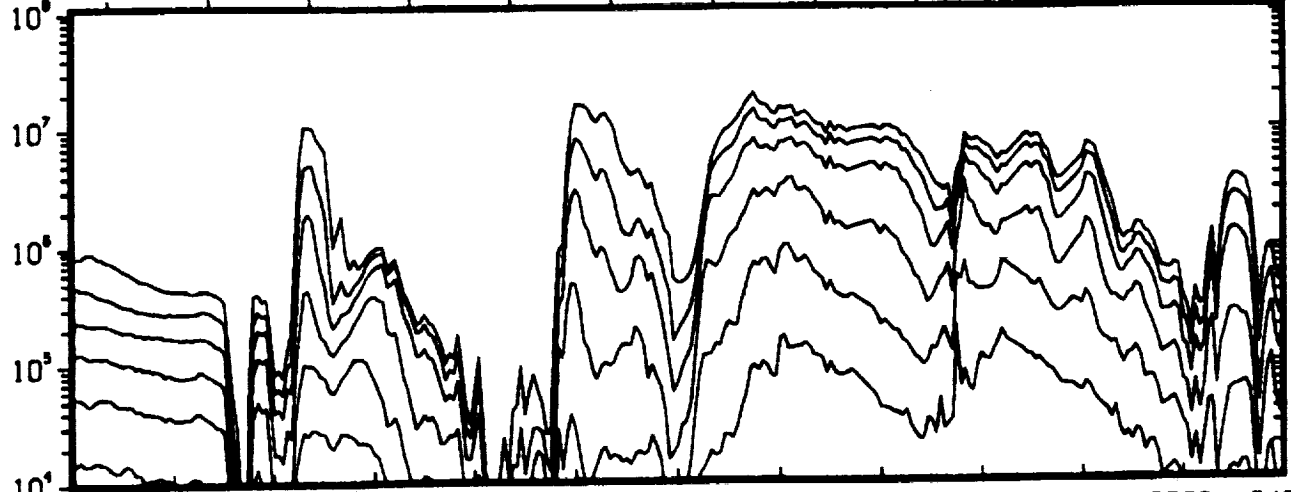
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



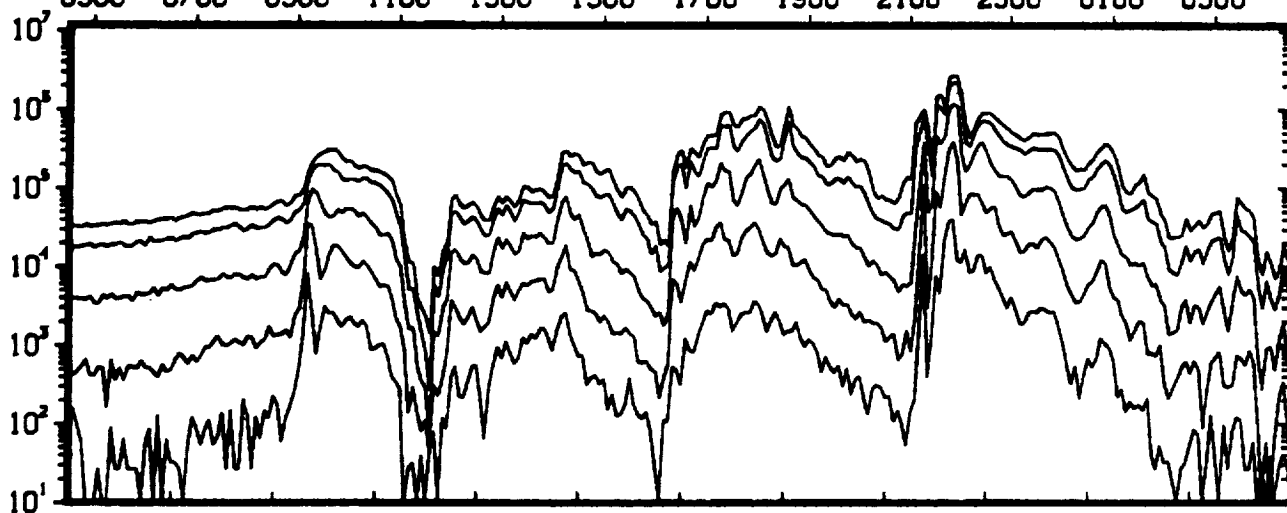
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

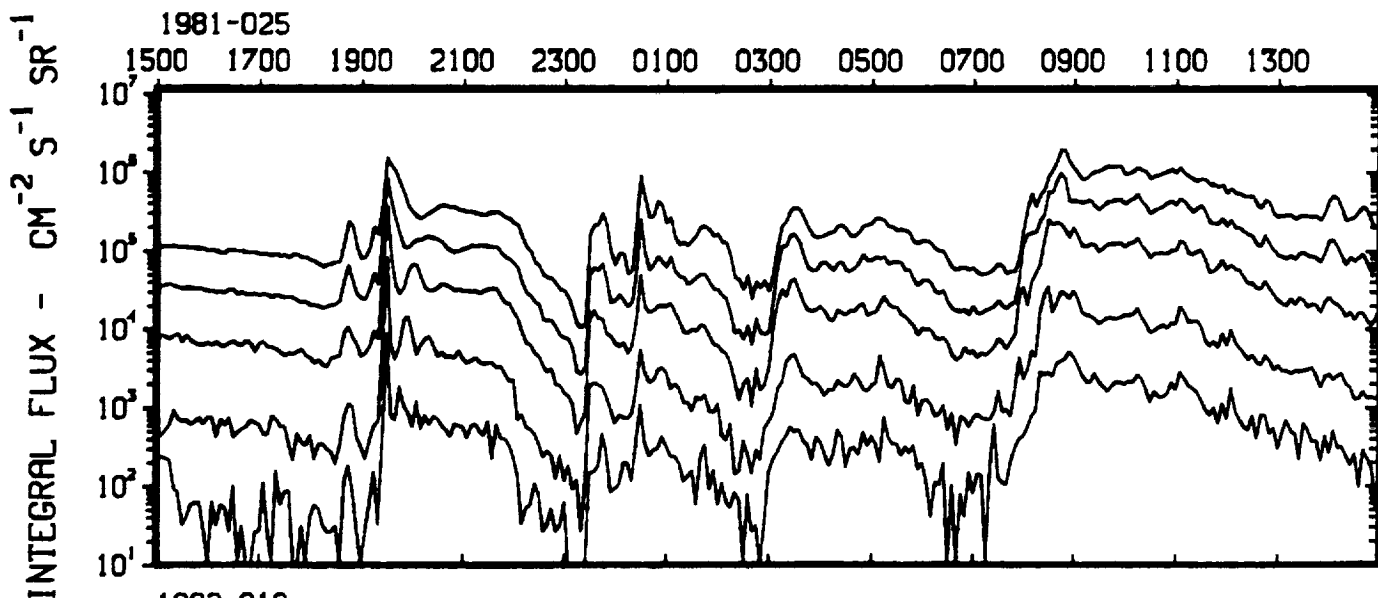
83/03/28

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



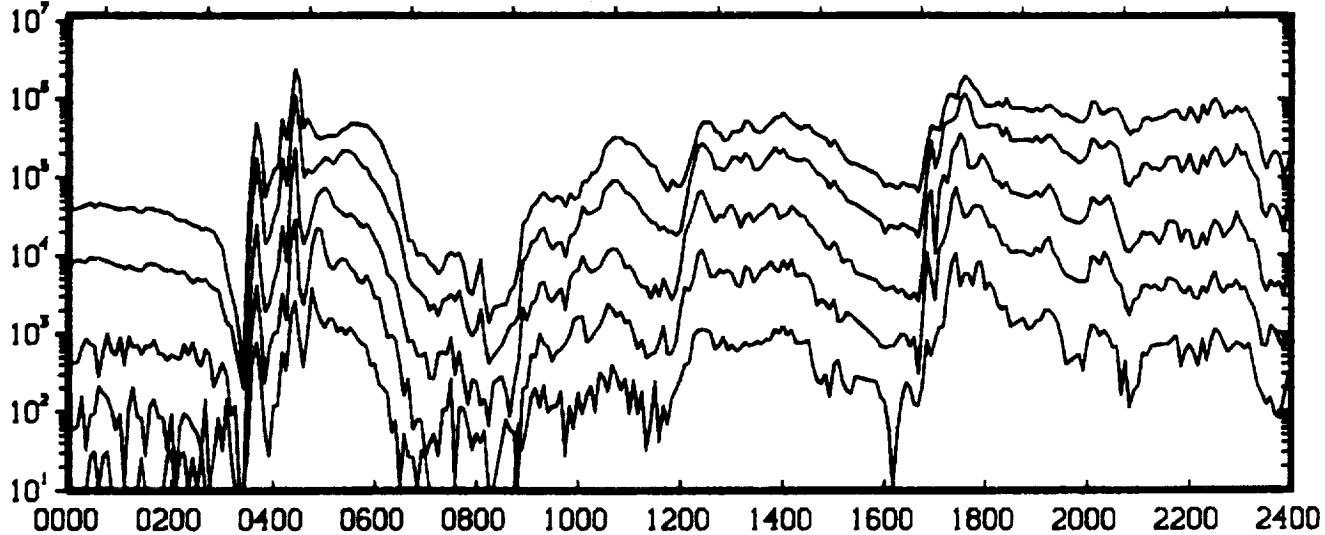
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



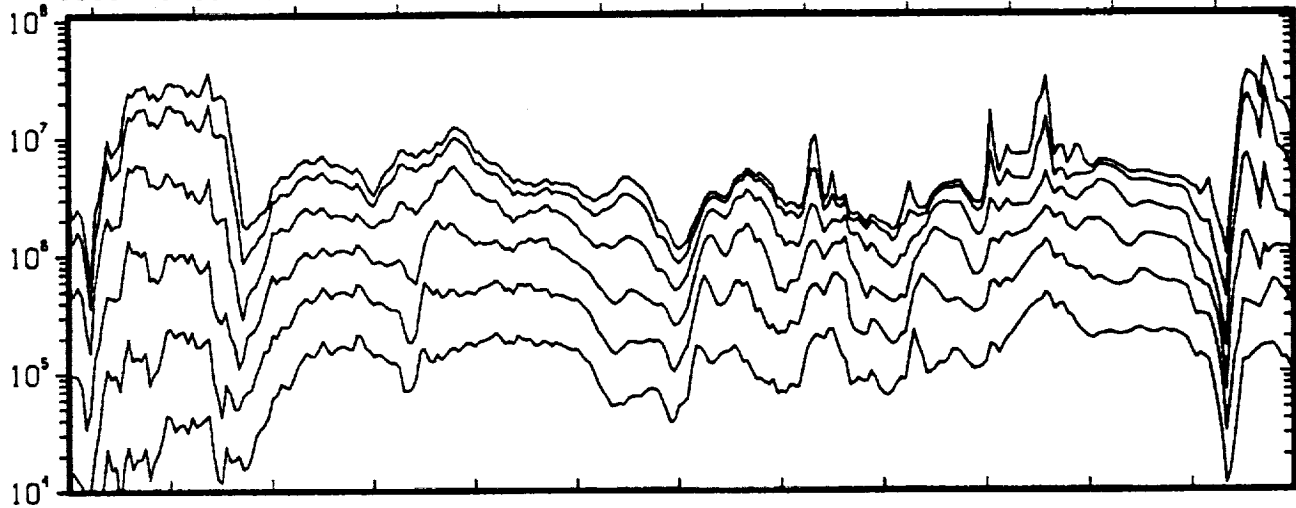
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

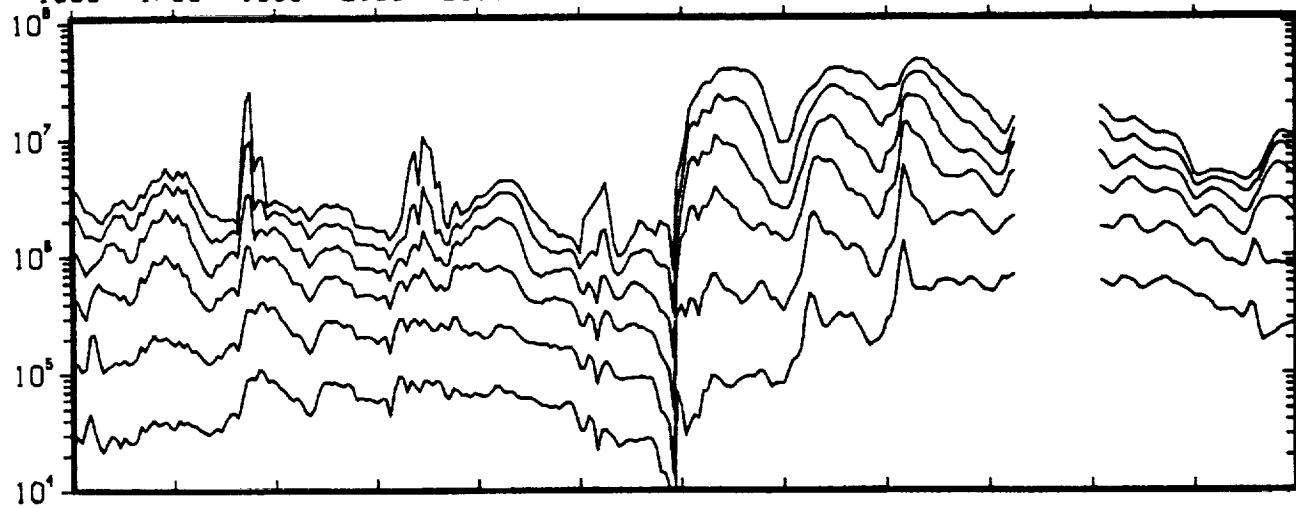
83/03/29

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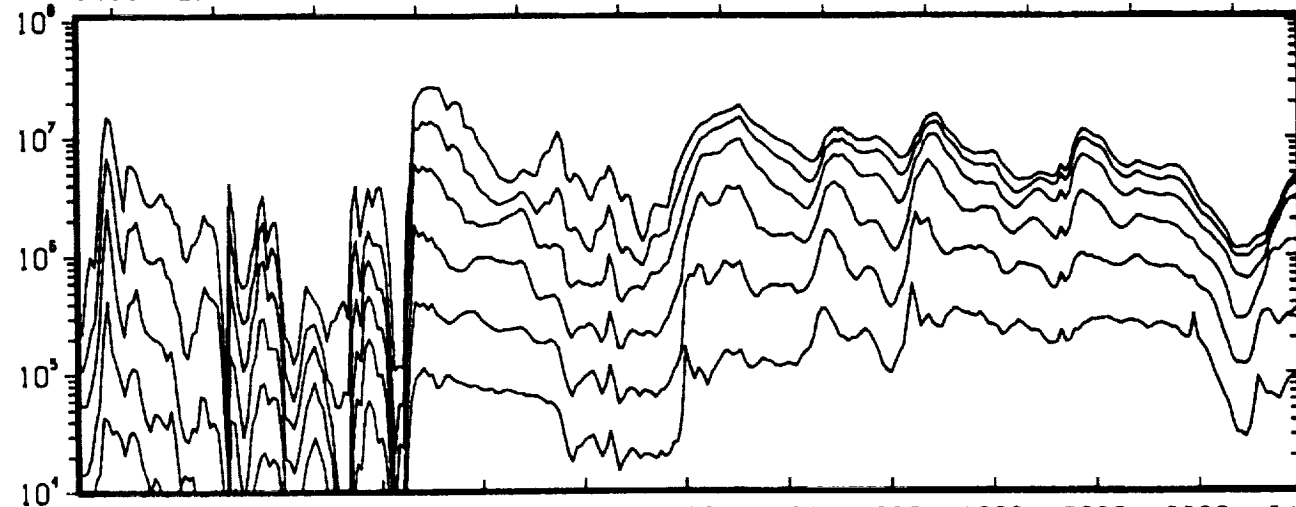
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

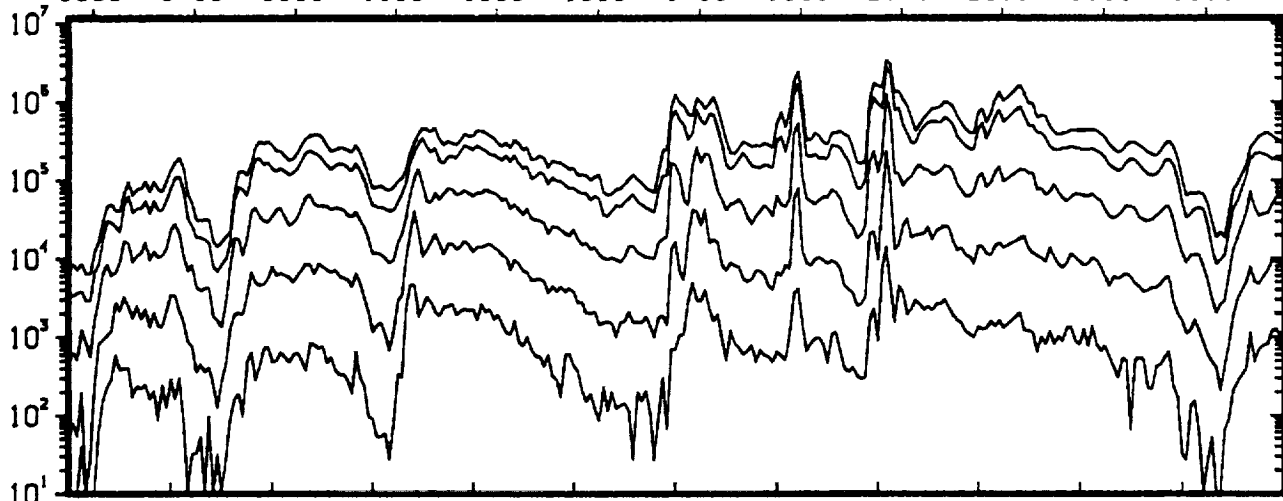


# LOW ENERGY IONS

1977-007

83/03/29

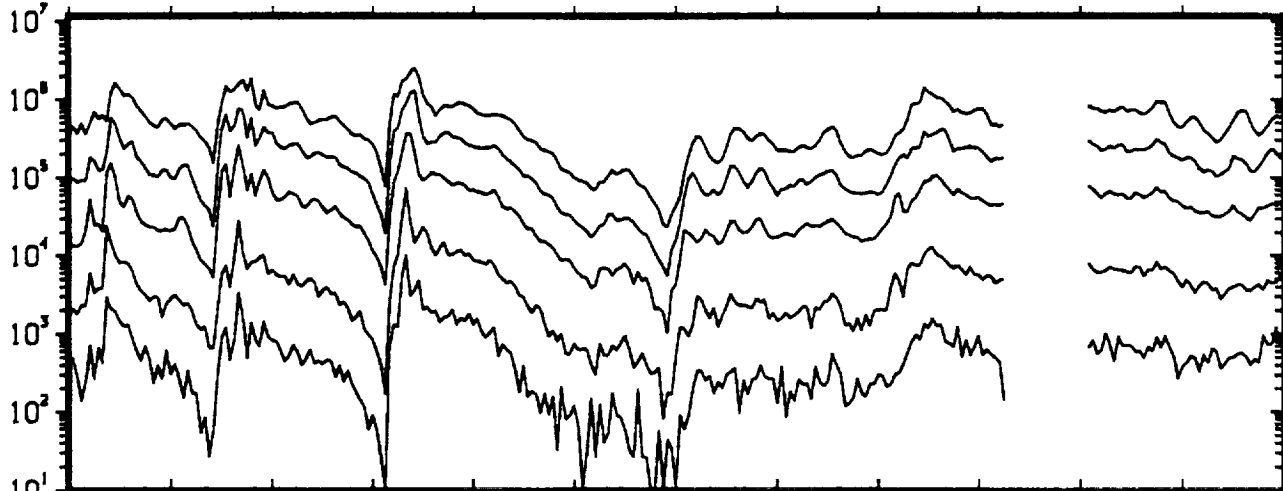
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

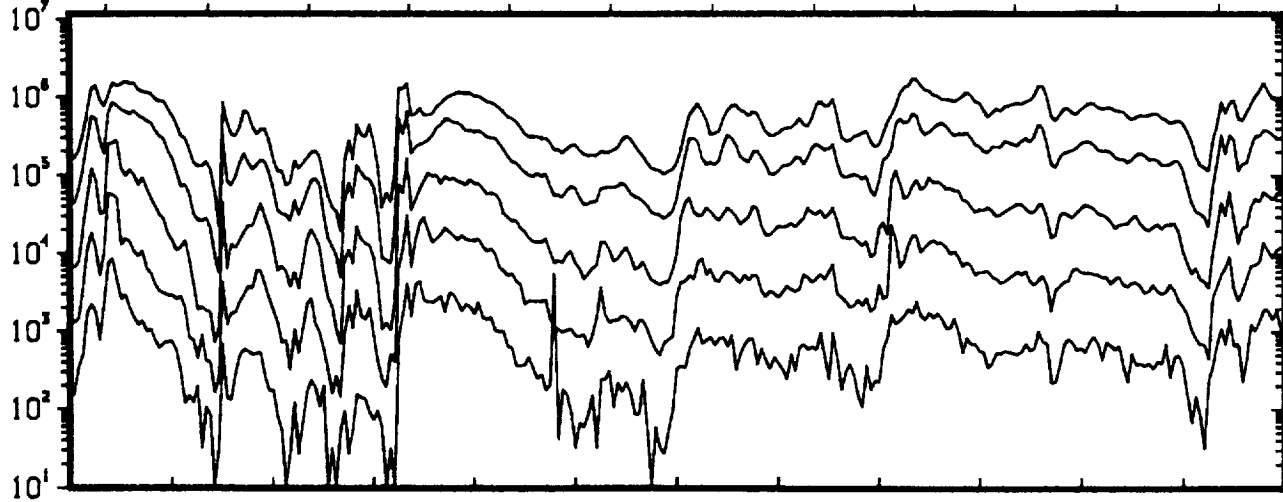
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



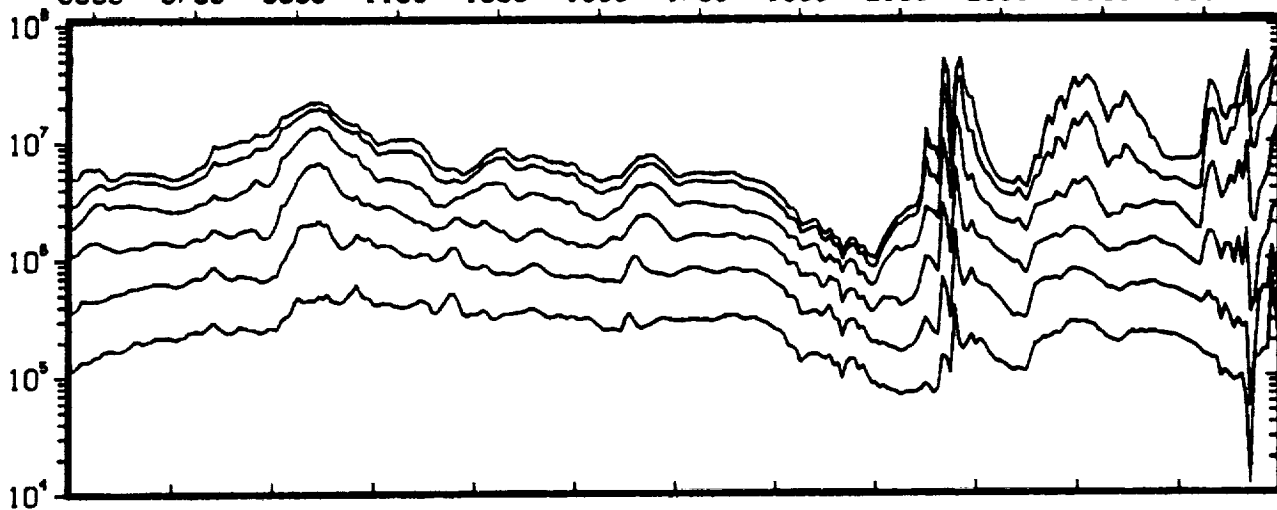
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

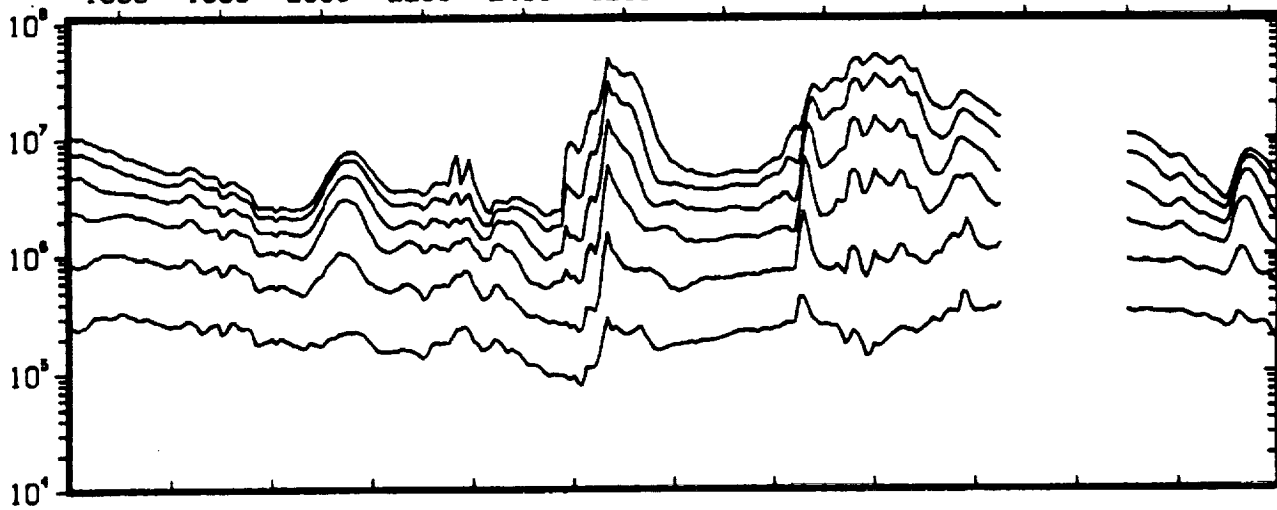
83/03/30

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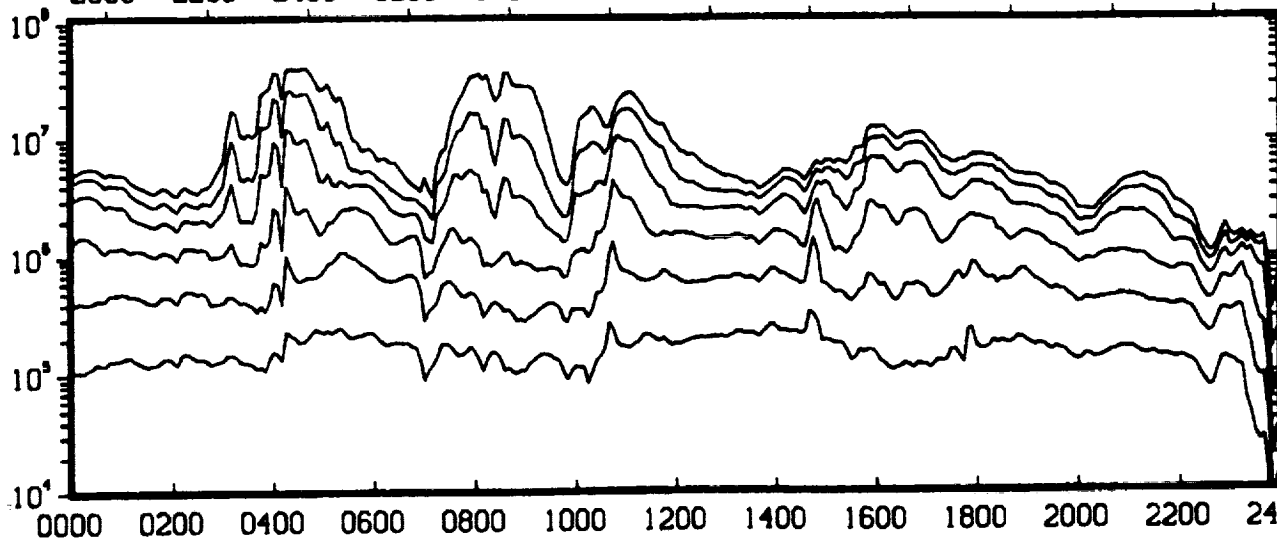
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



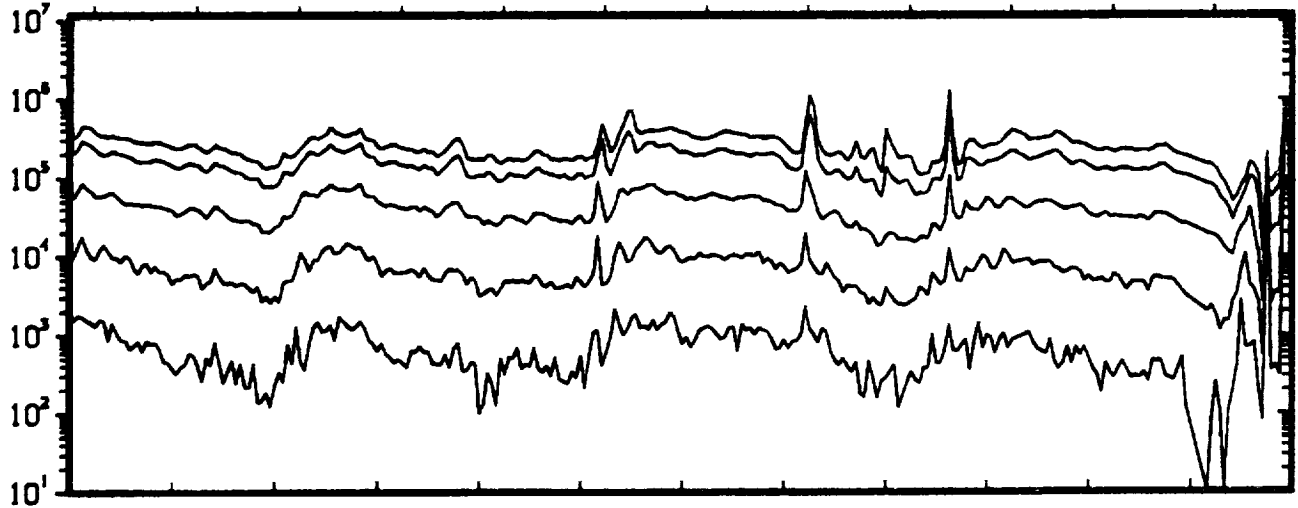
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

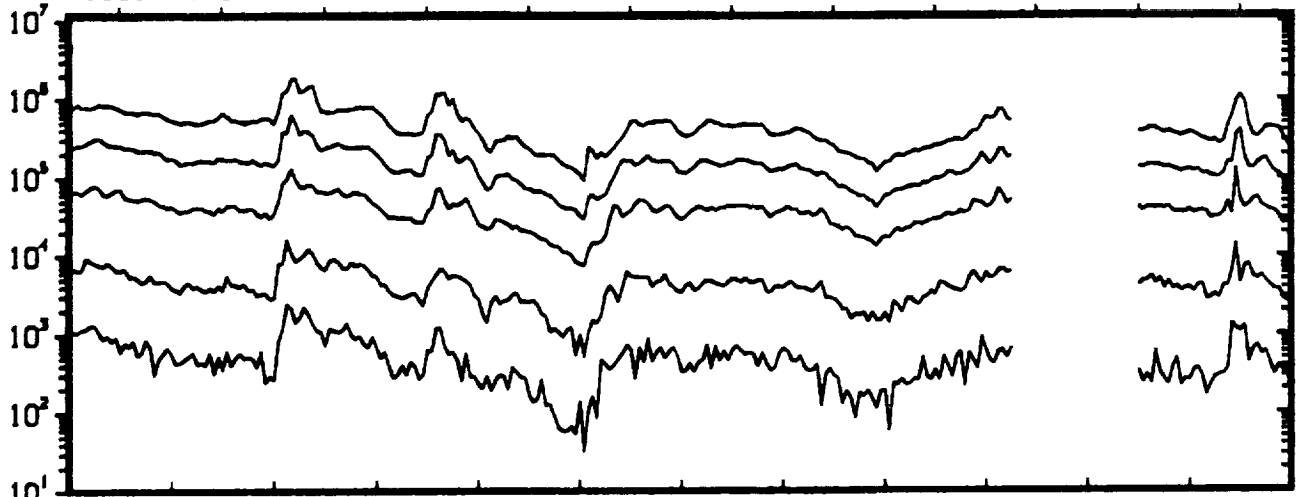
83/03/30

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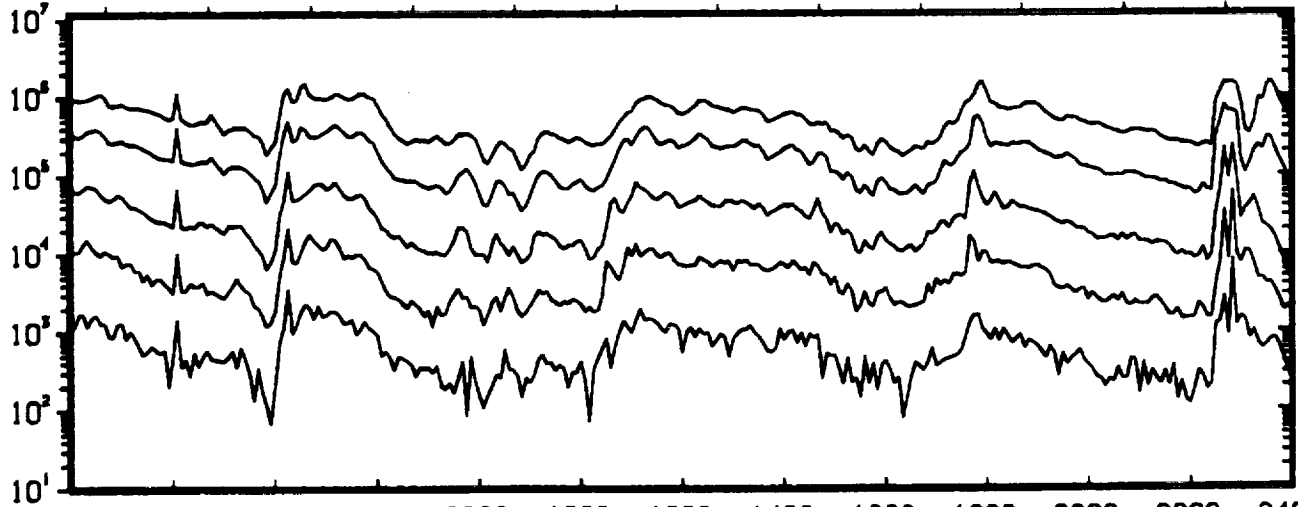
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



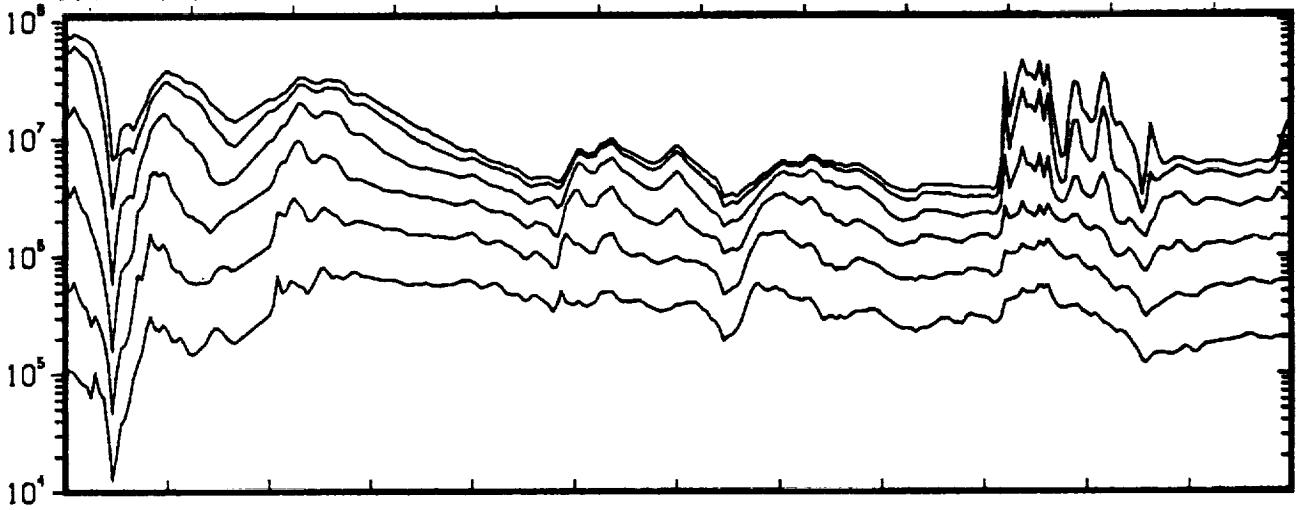
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

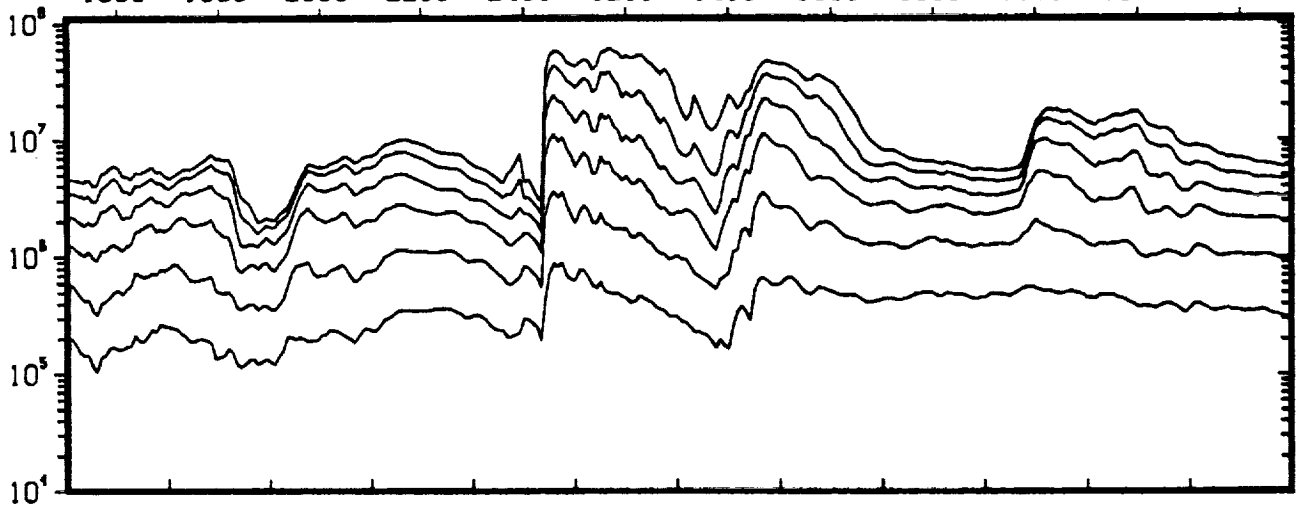
83/03/31

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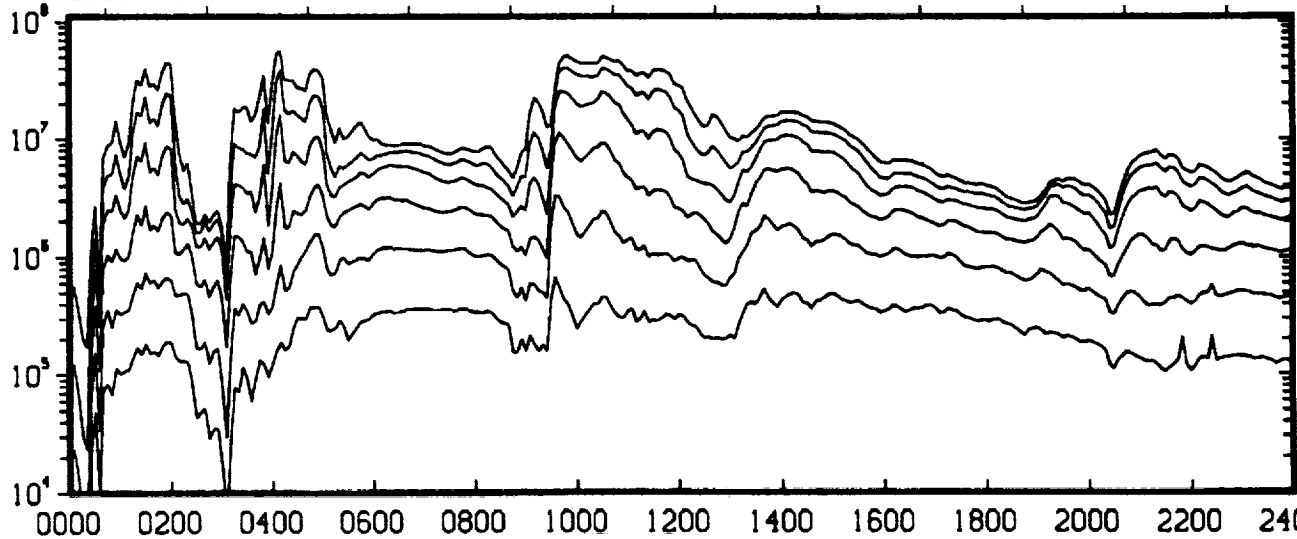
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

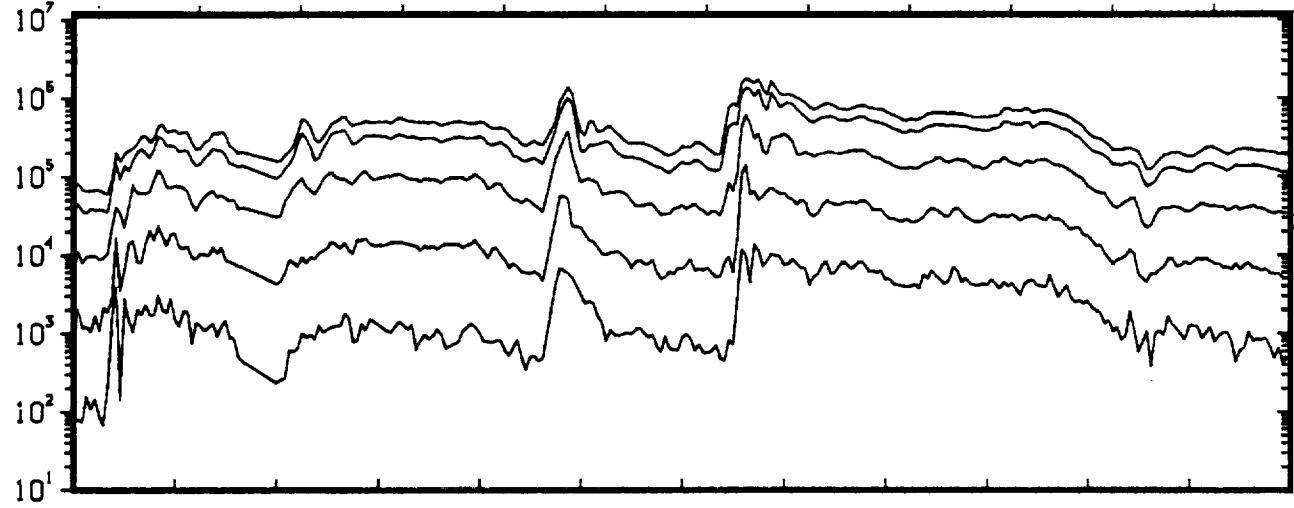
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



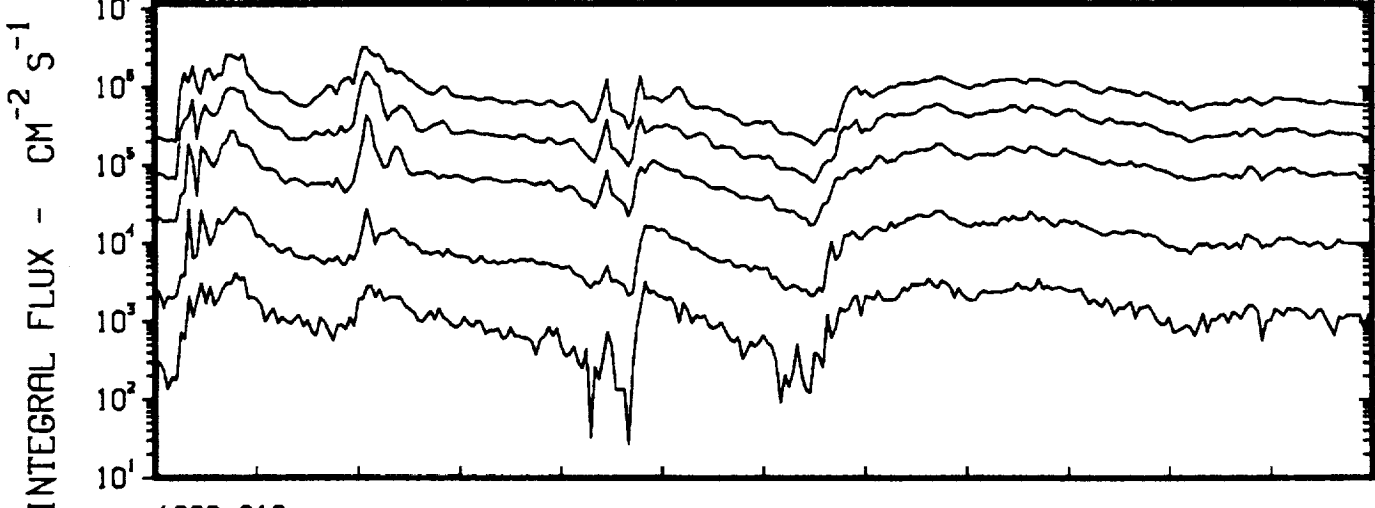
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

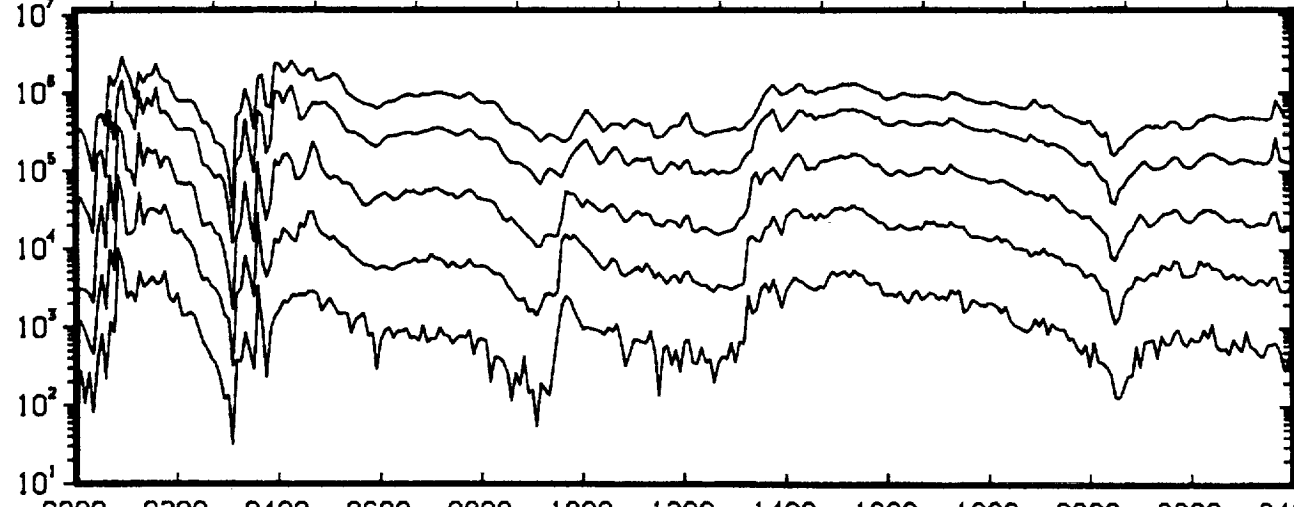
1977-007 83/03/31  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



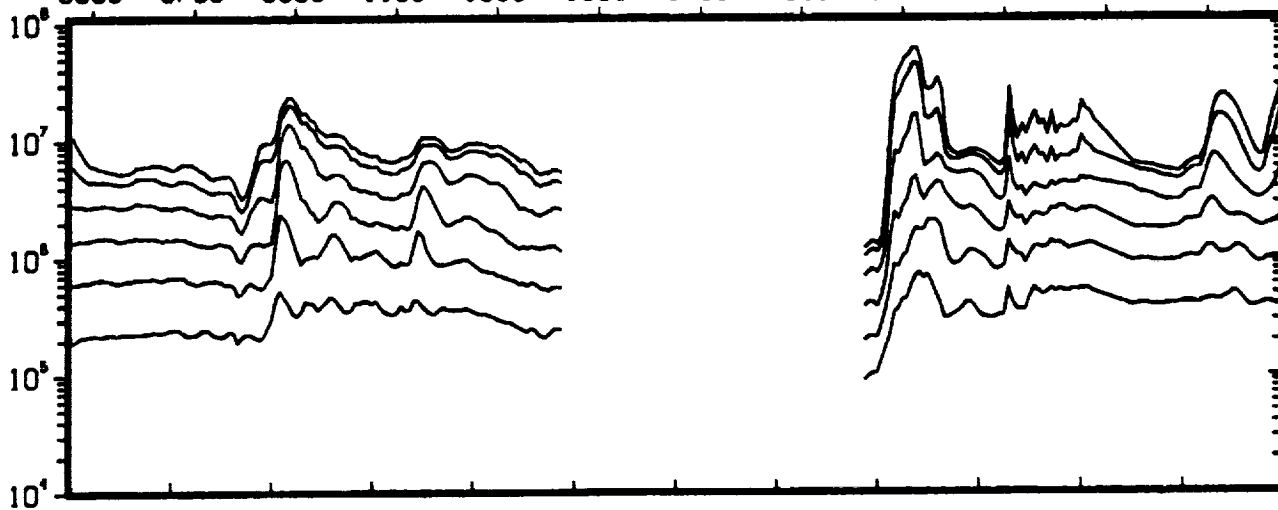
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

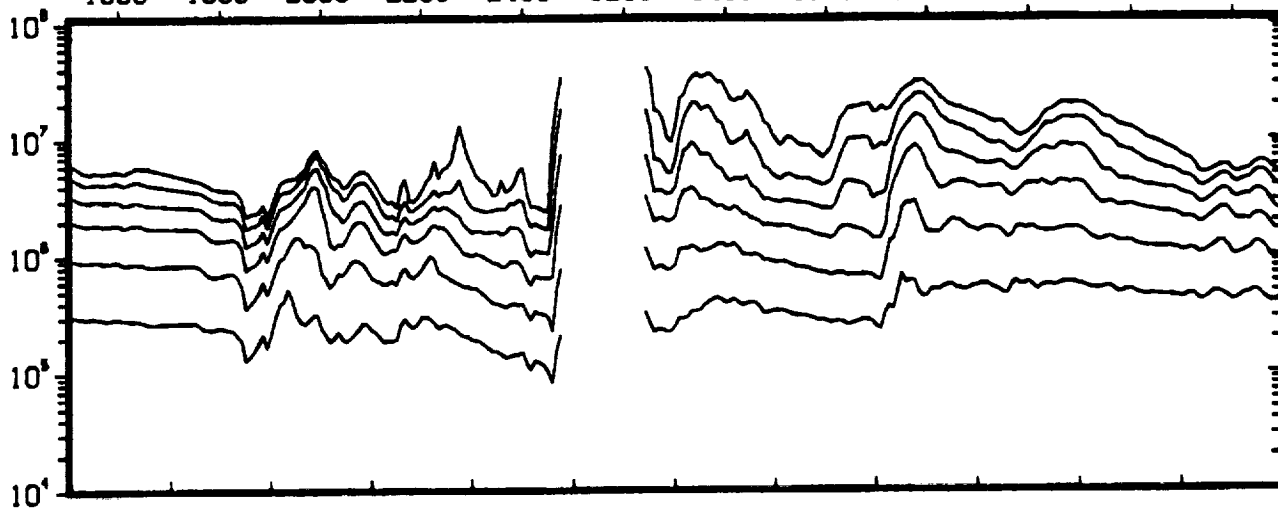
83/04/01

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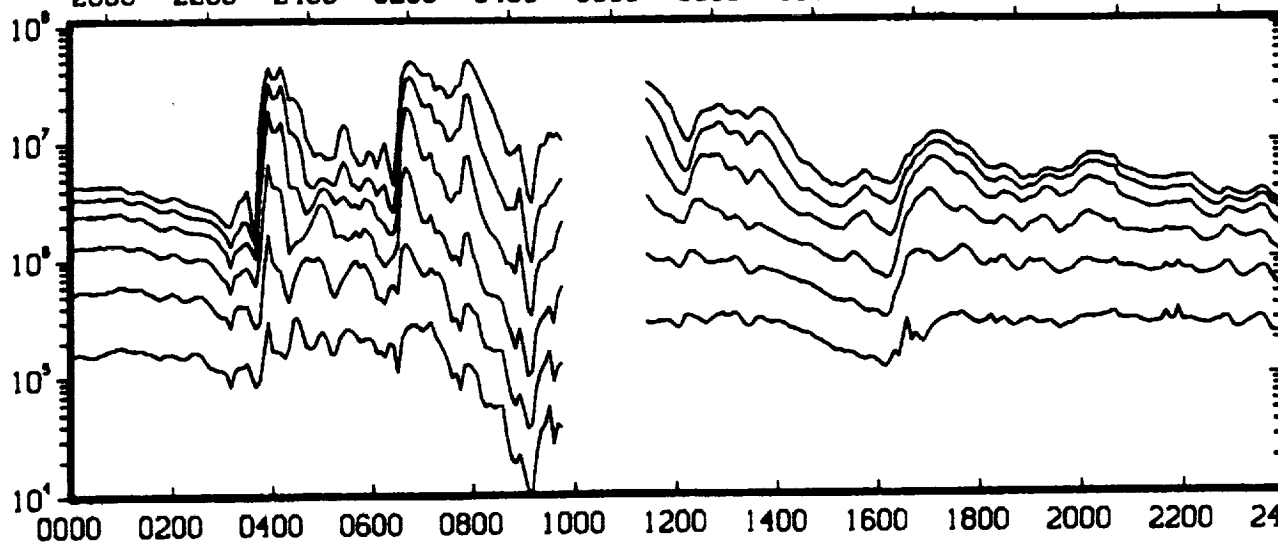
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



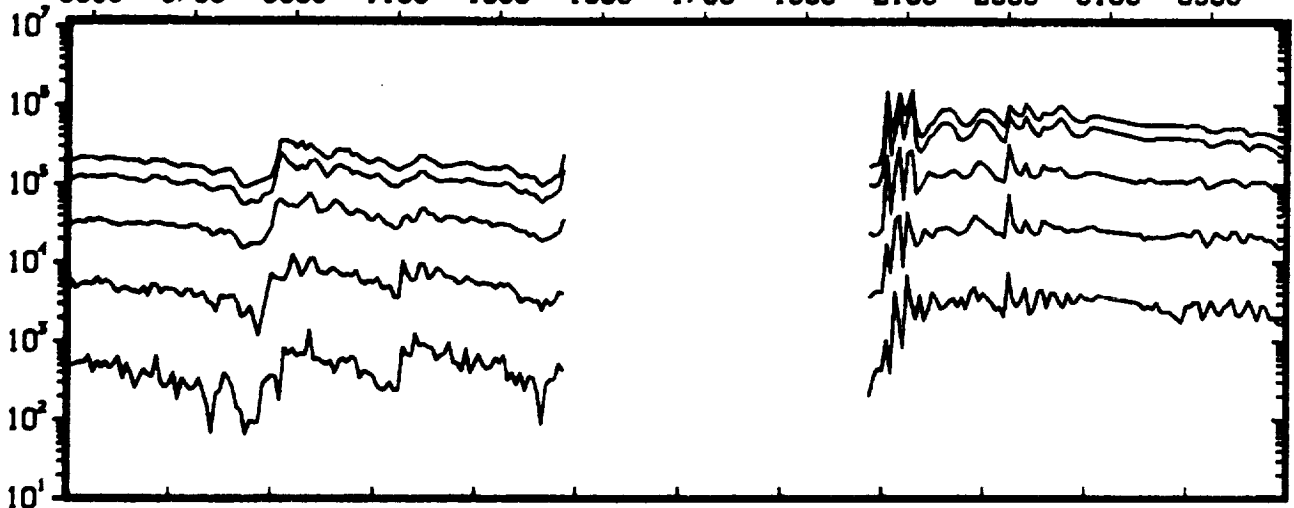
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

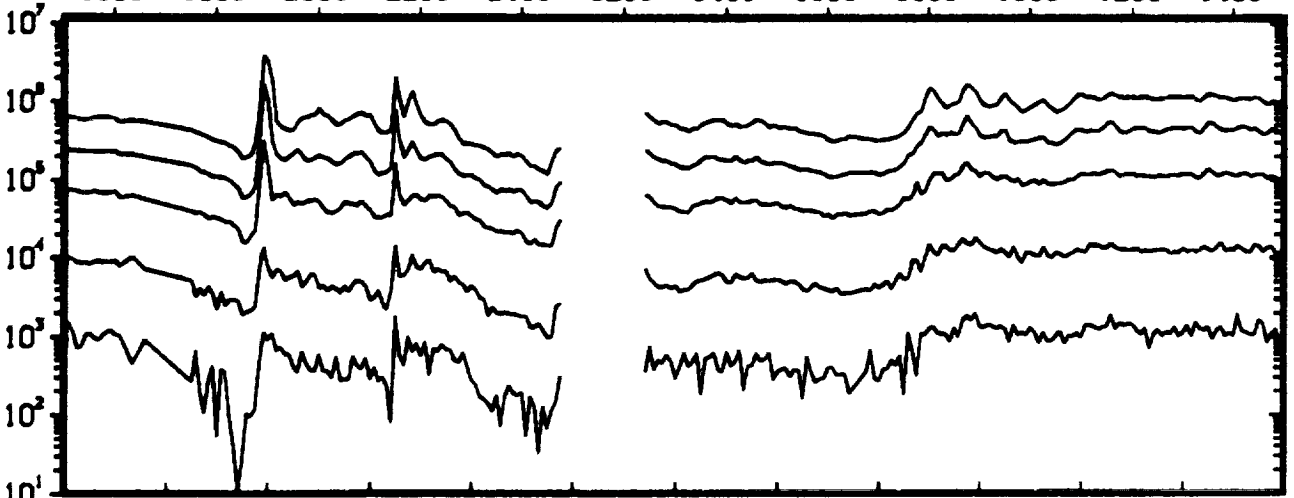
83/04/01

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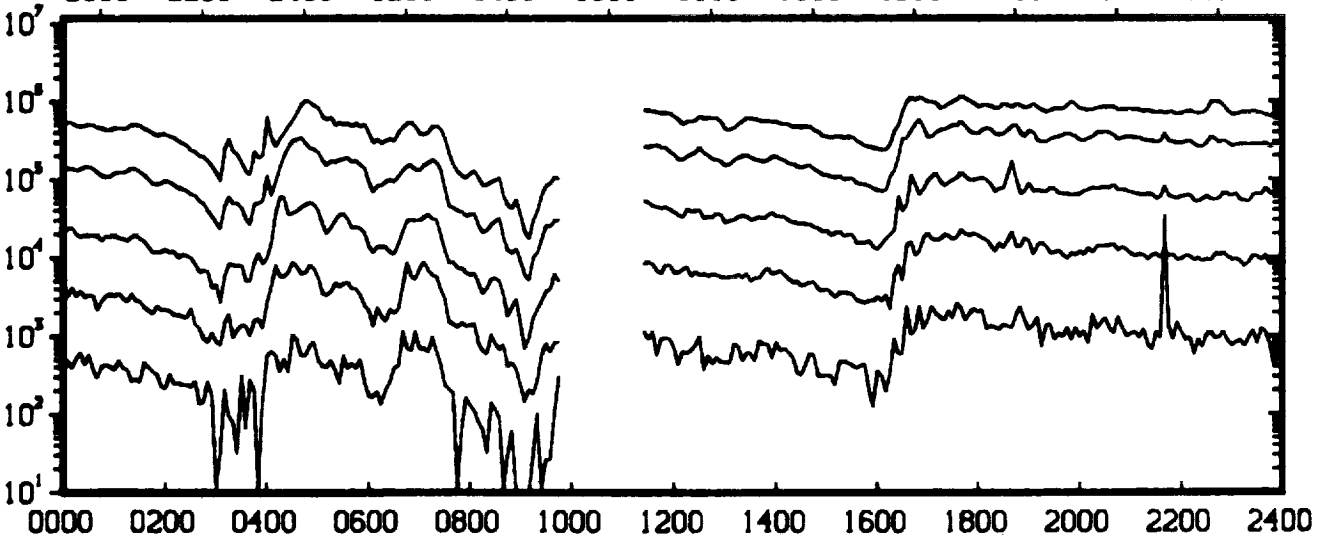
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



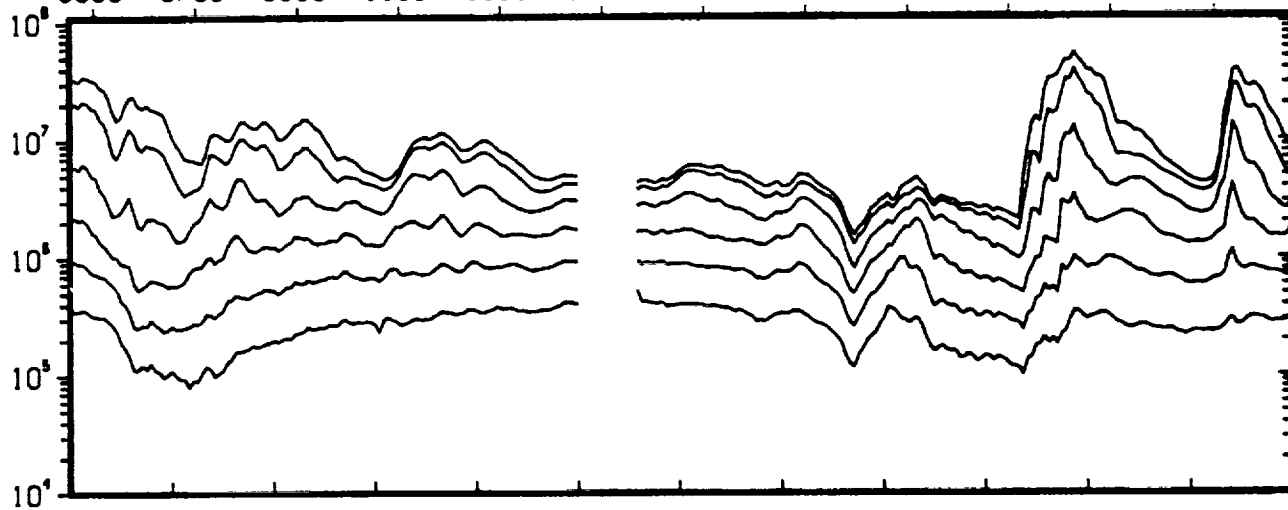
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

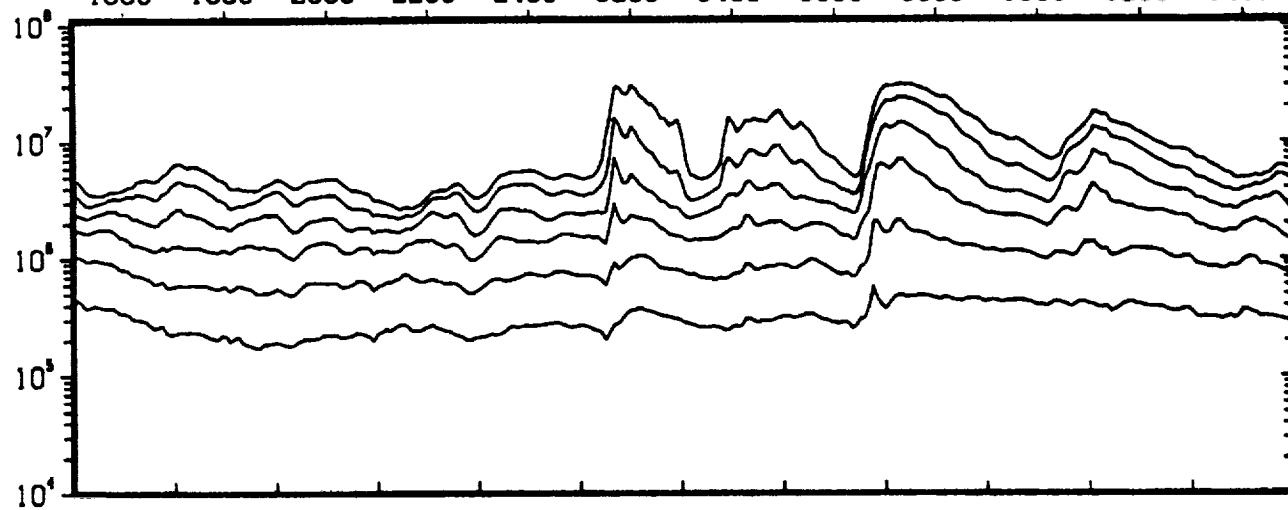
83/04/02

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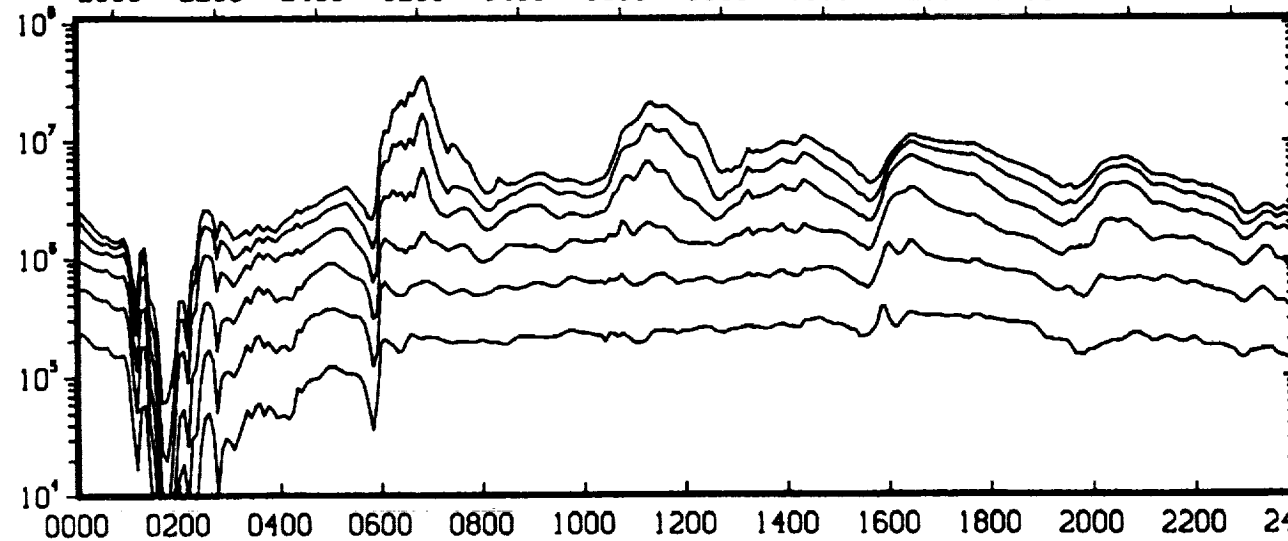
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

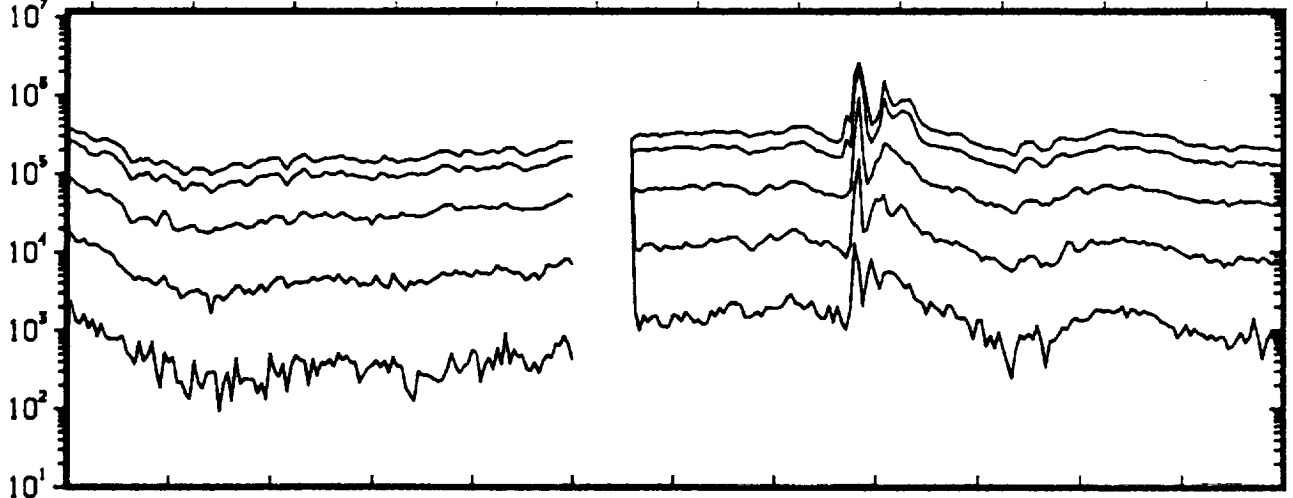


# LOW ENERGY IONS

1977-007

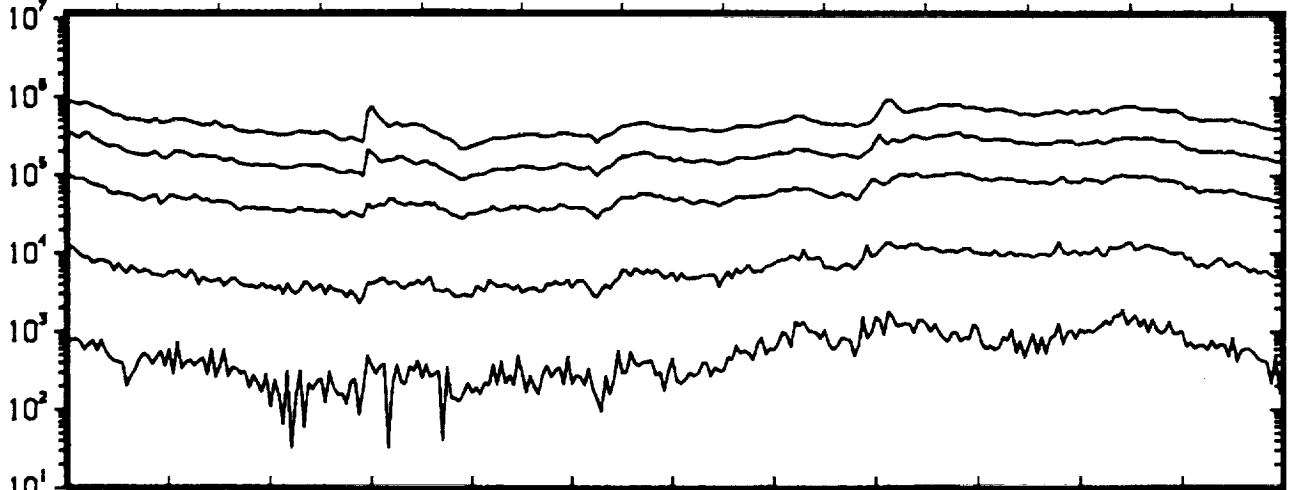
83/04/02

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



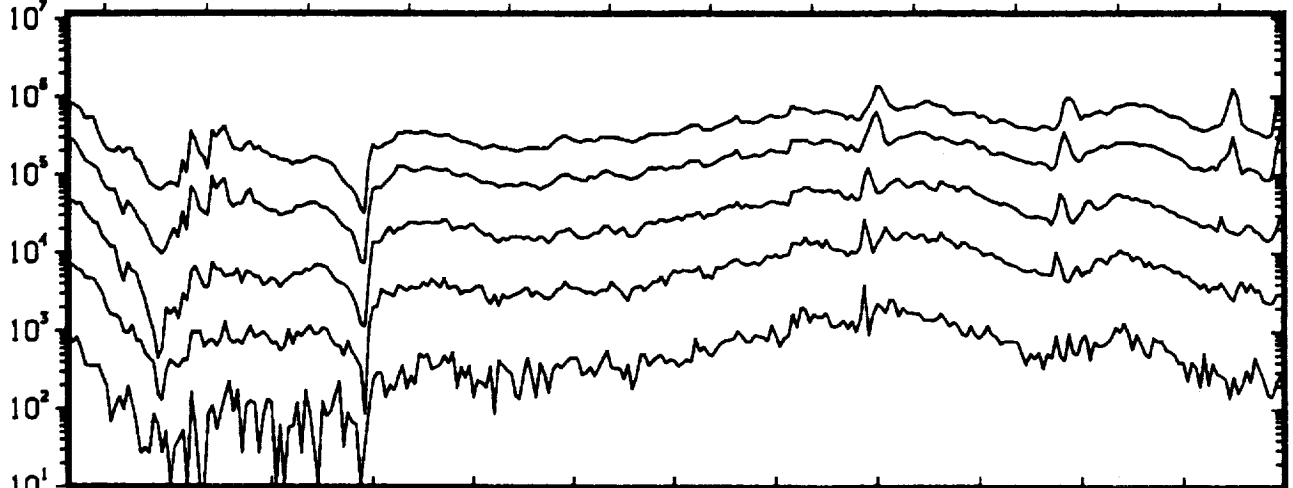
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



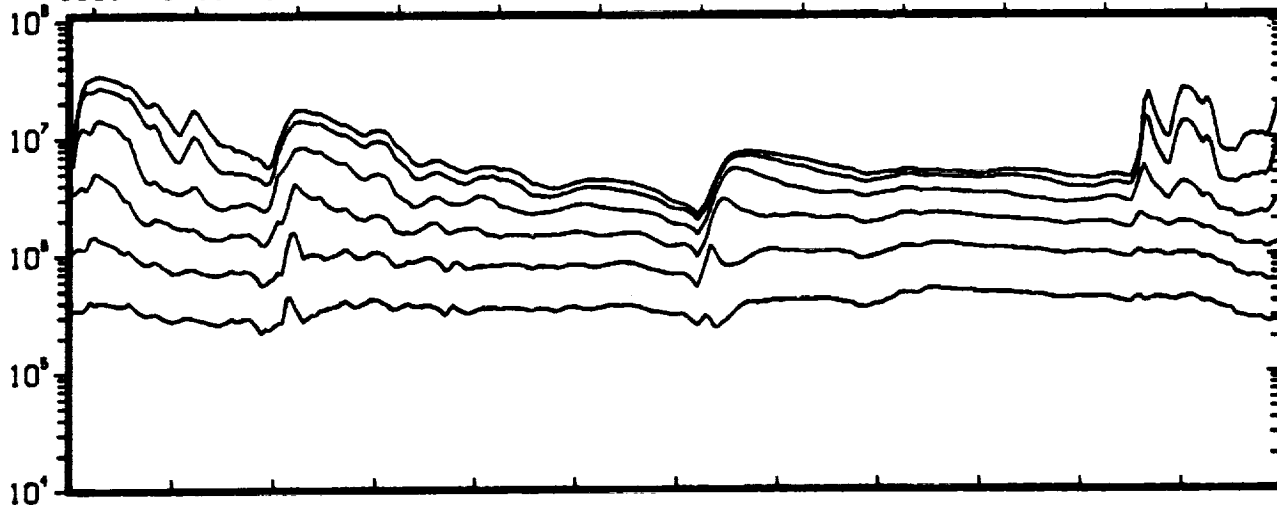
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

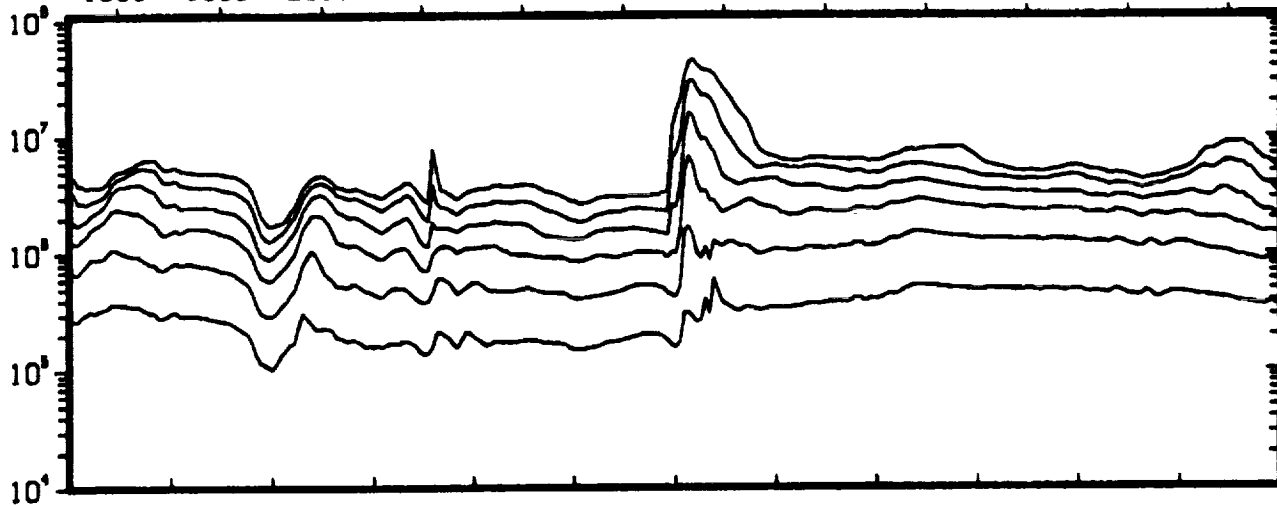
83/04/03

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



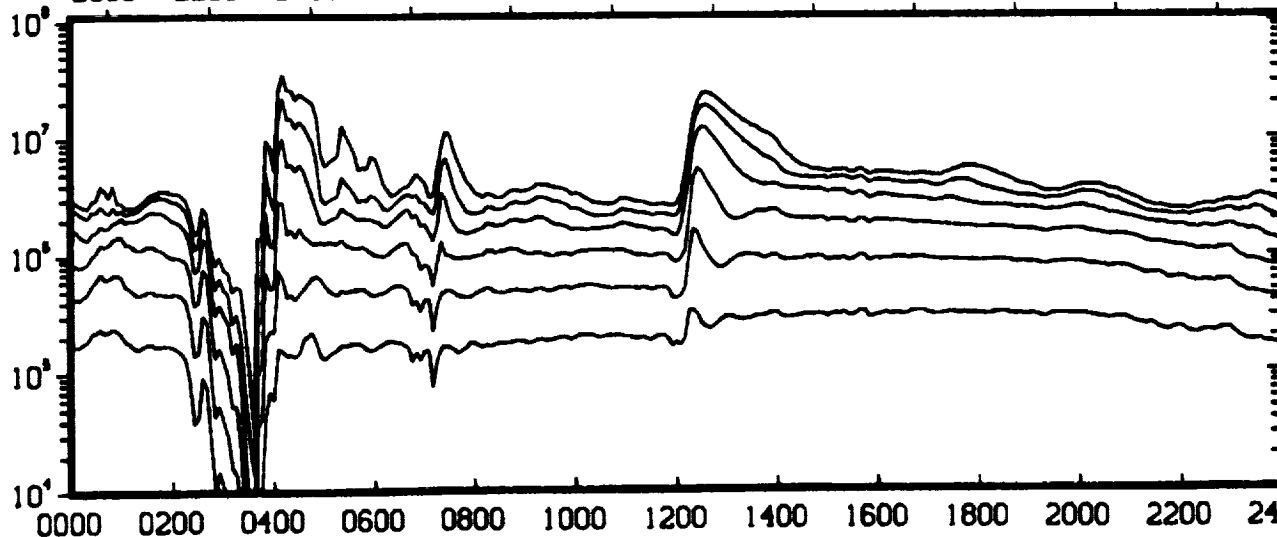
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

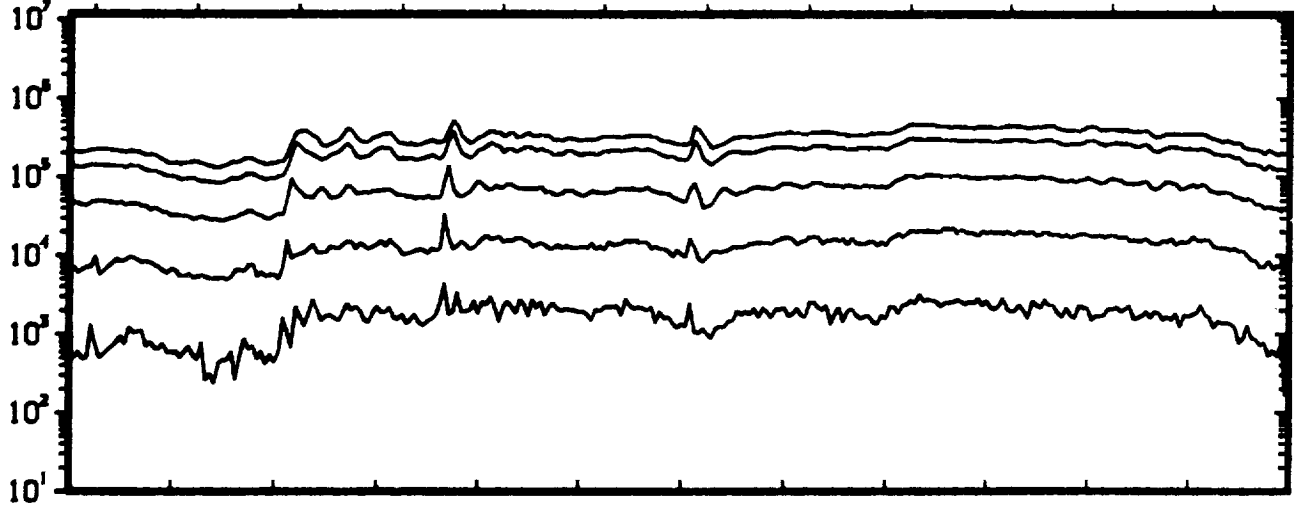
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

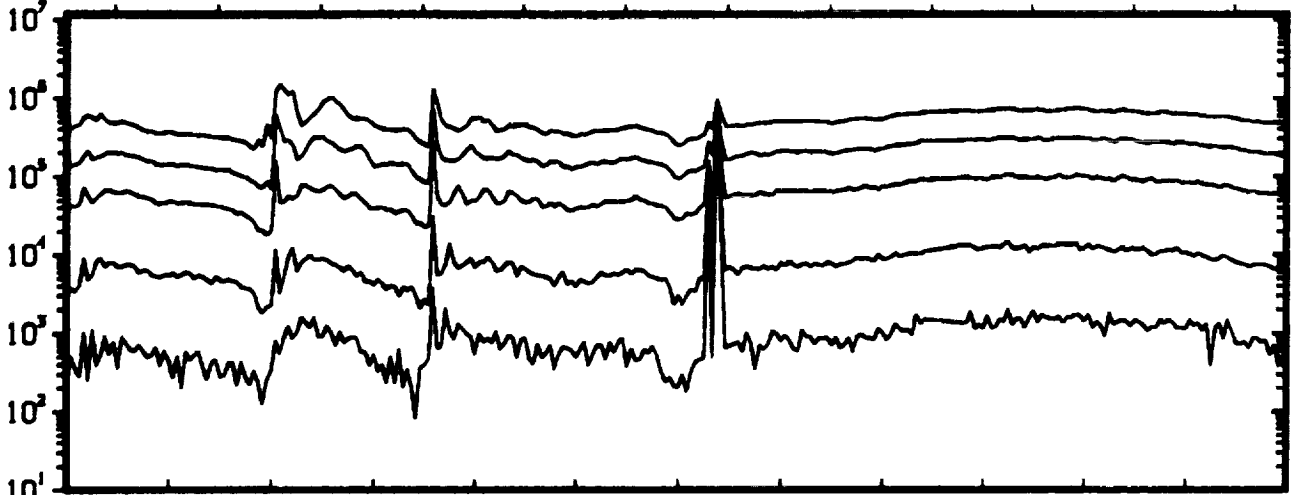
# LOW ENERGY IONS

1977-007 83/04/03  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

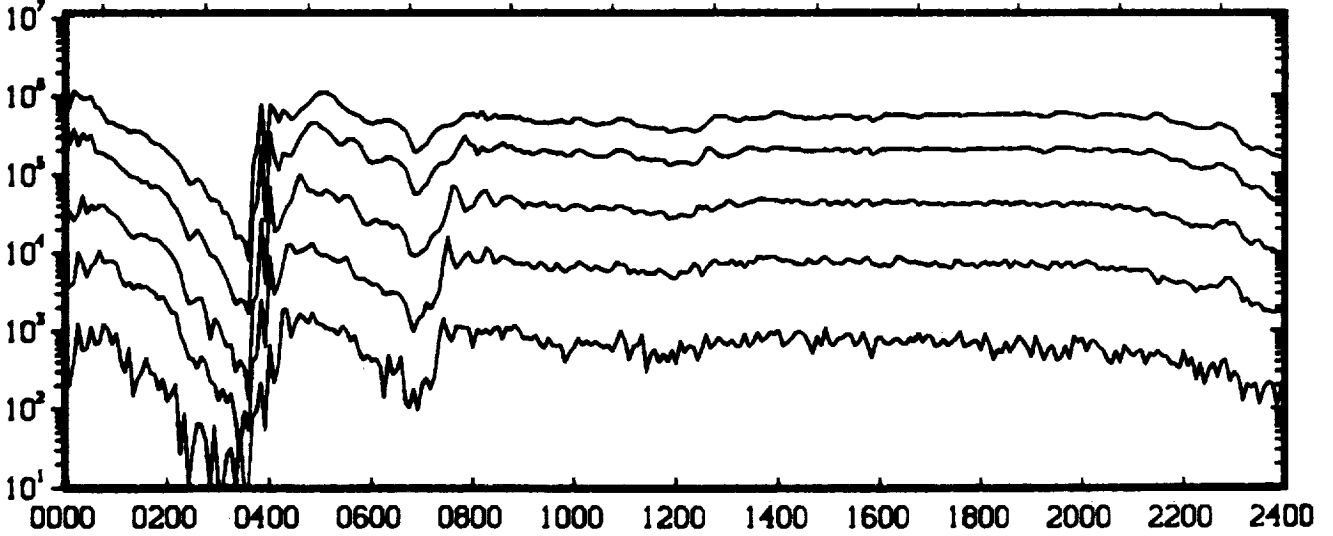


1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

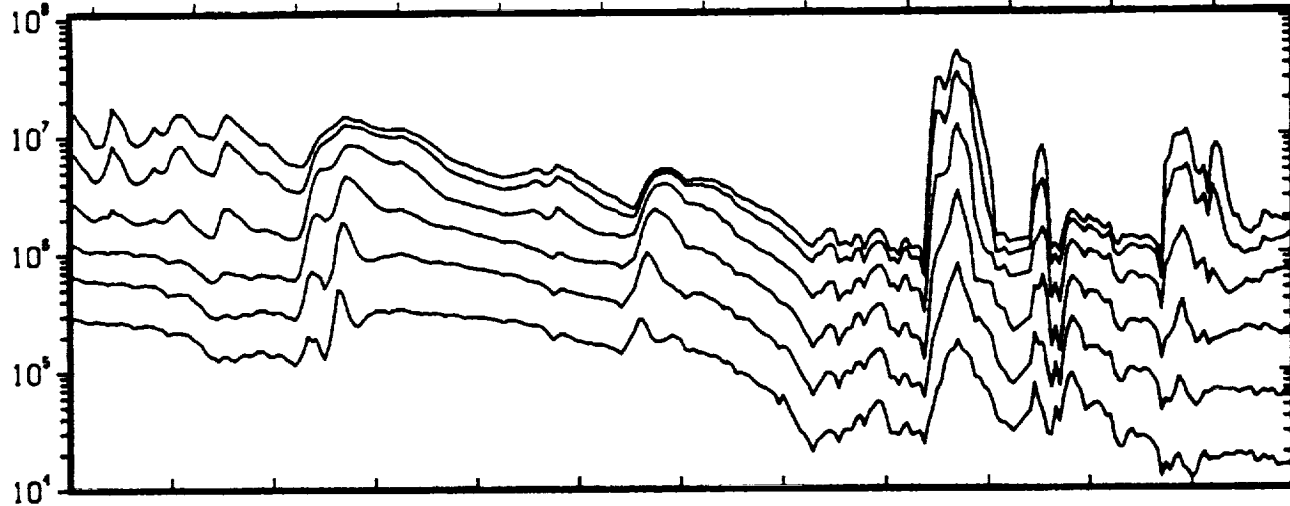


# LOW ENERGY ELECTRONS

1977-007

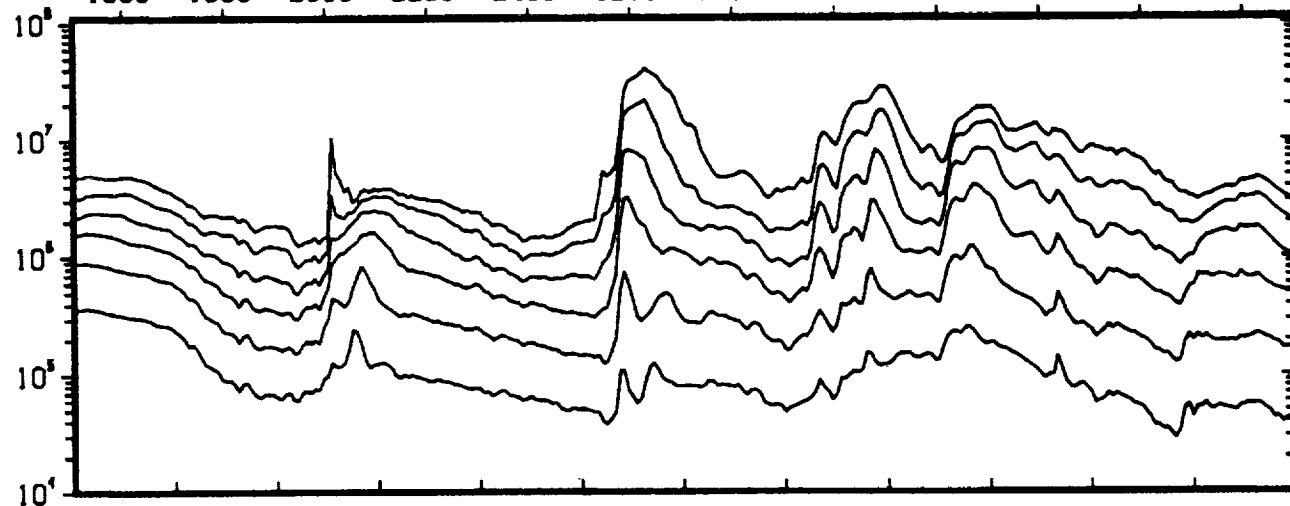
83/04/04

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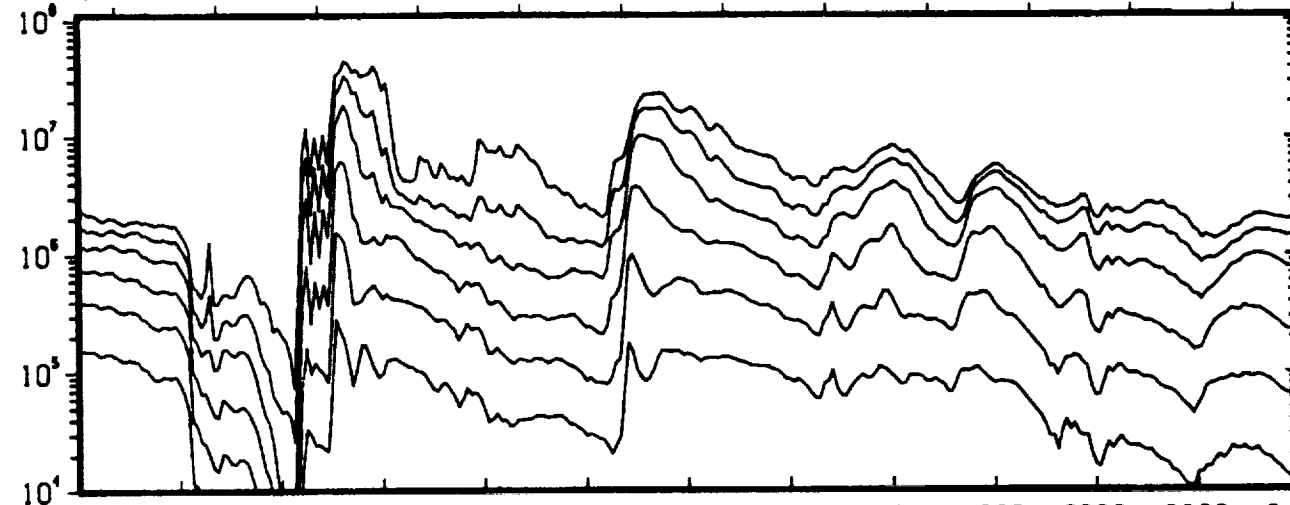
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



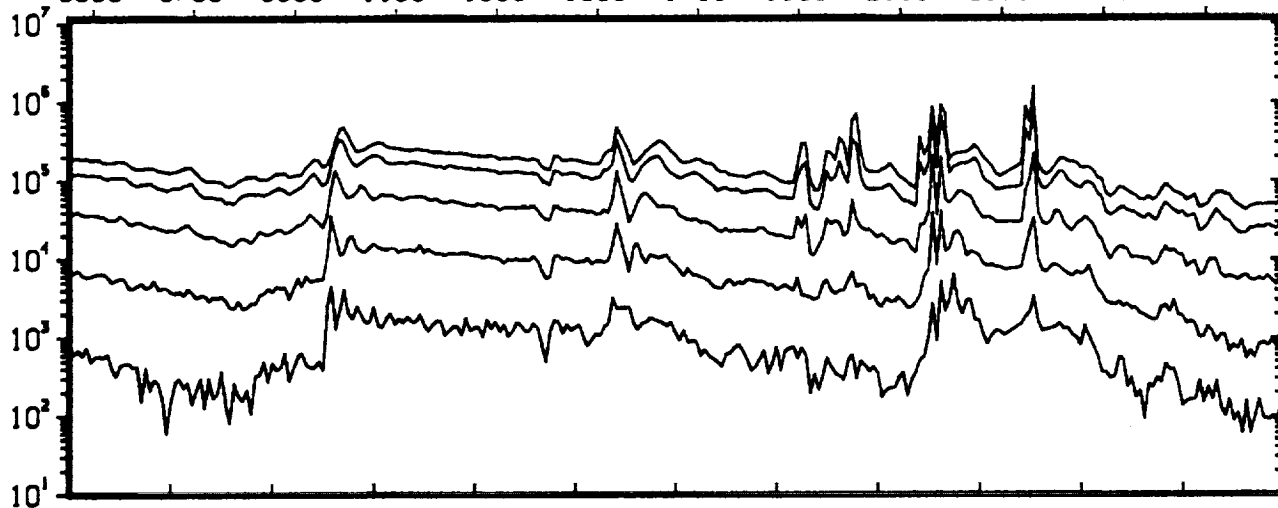
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

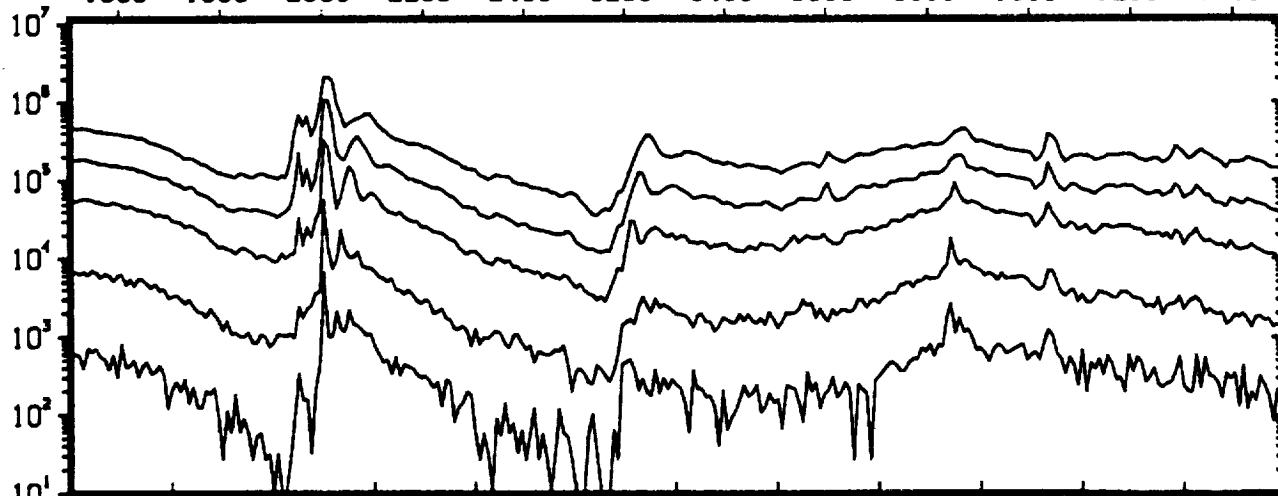
83/04/04

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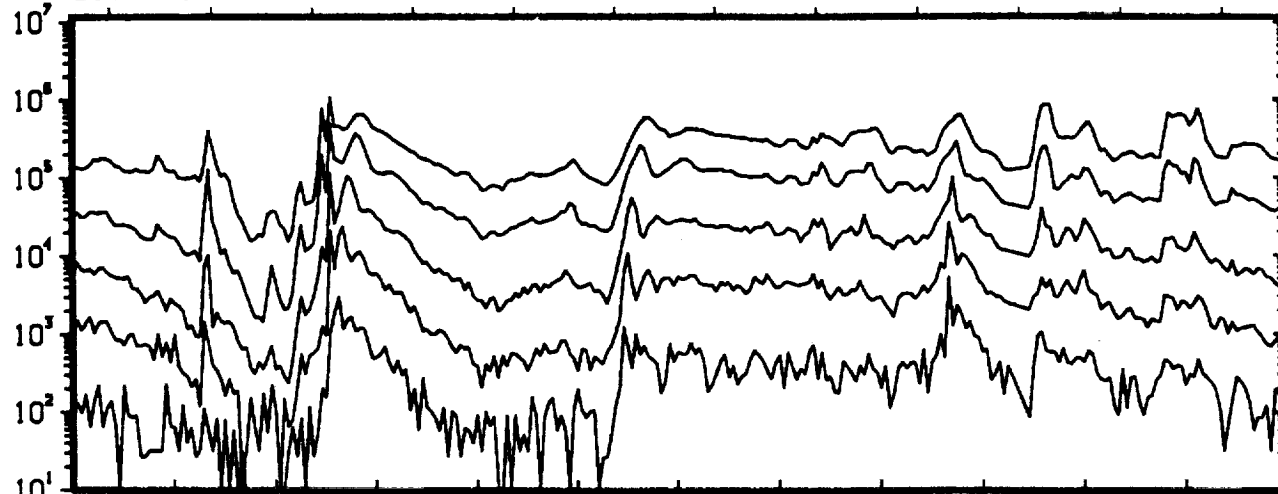
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



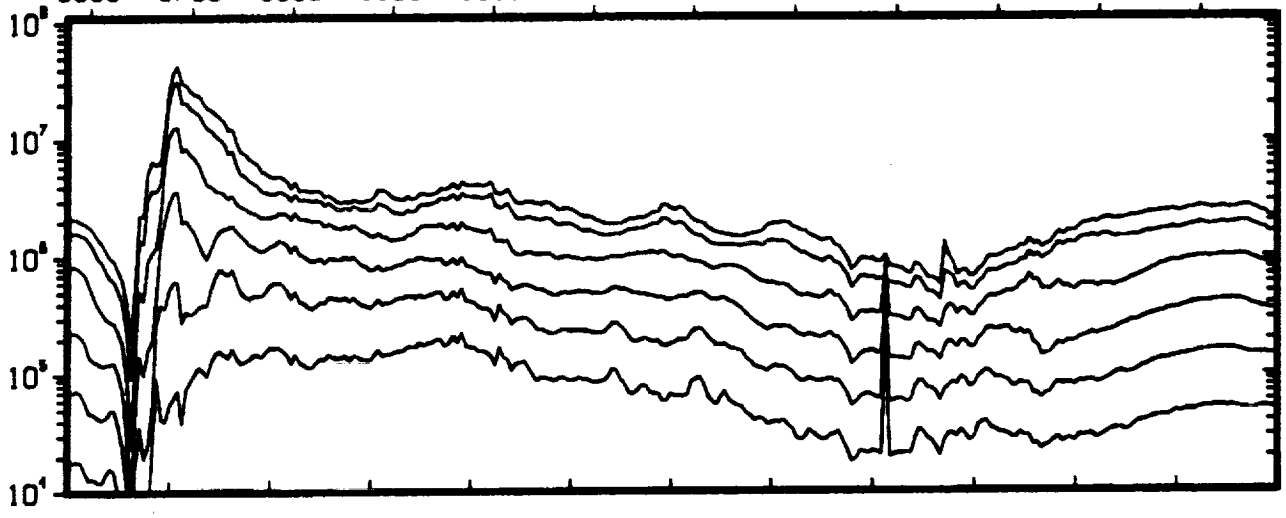
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

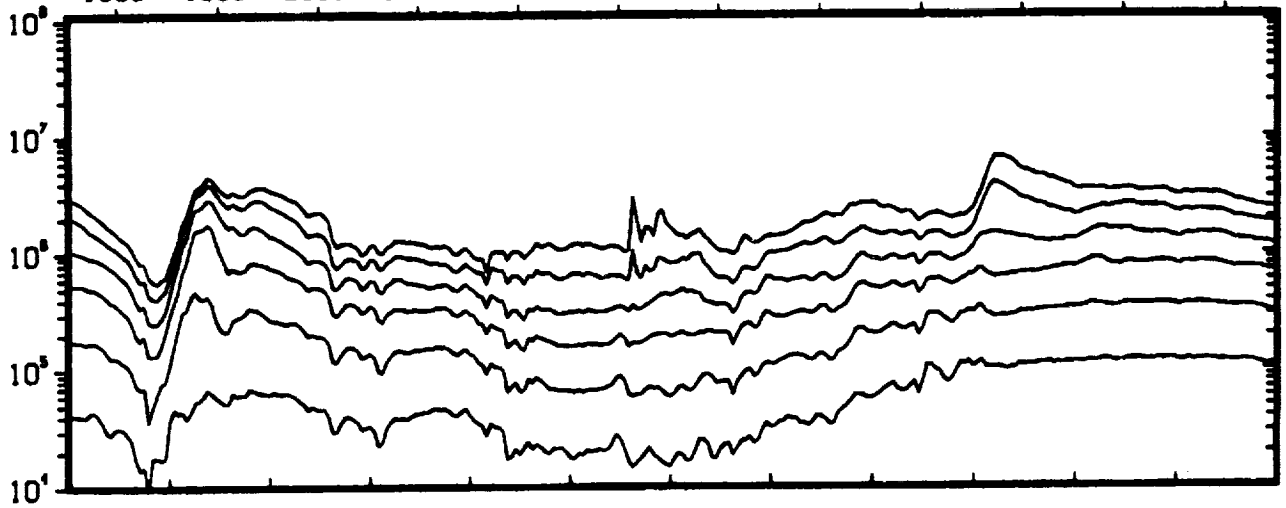
83/04/05

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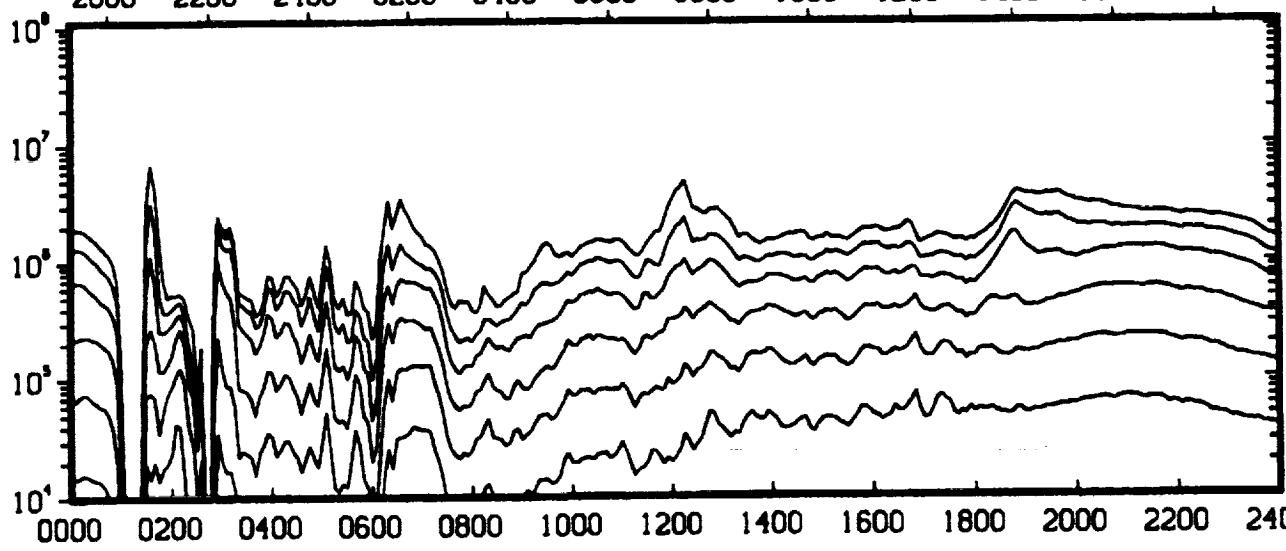
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

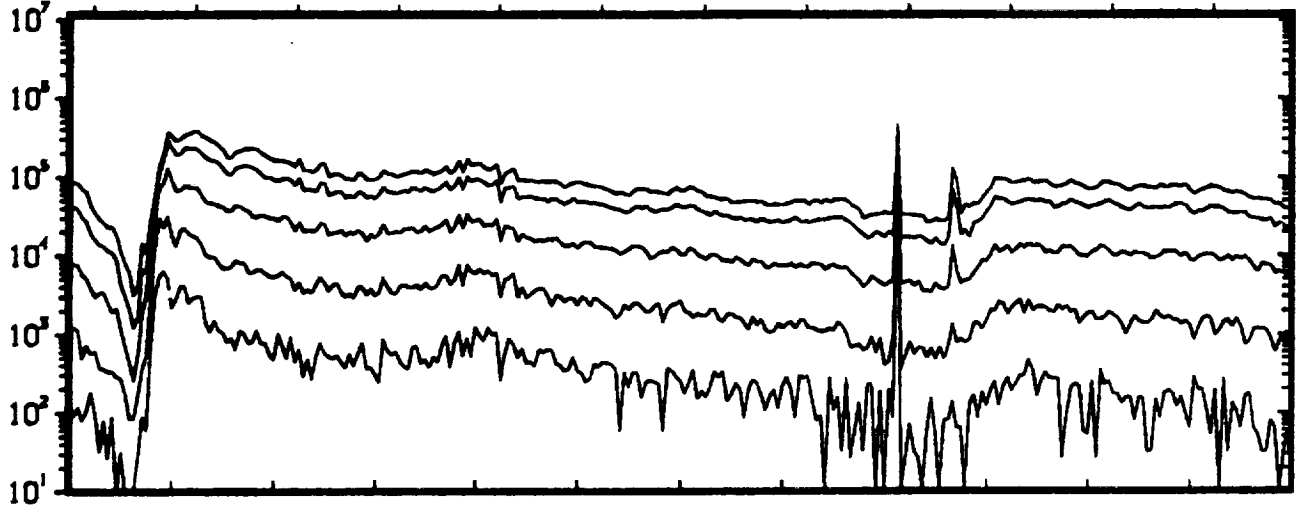
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

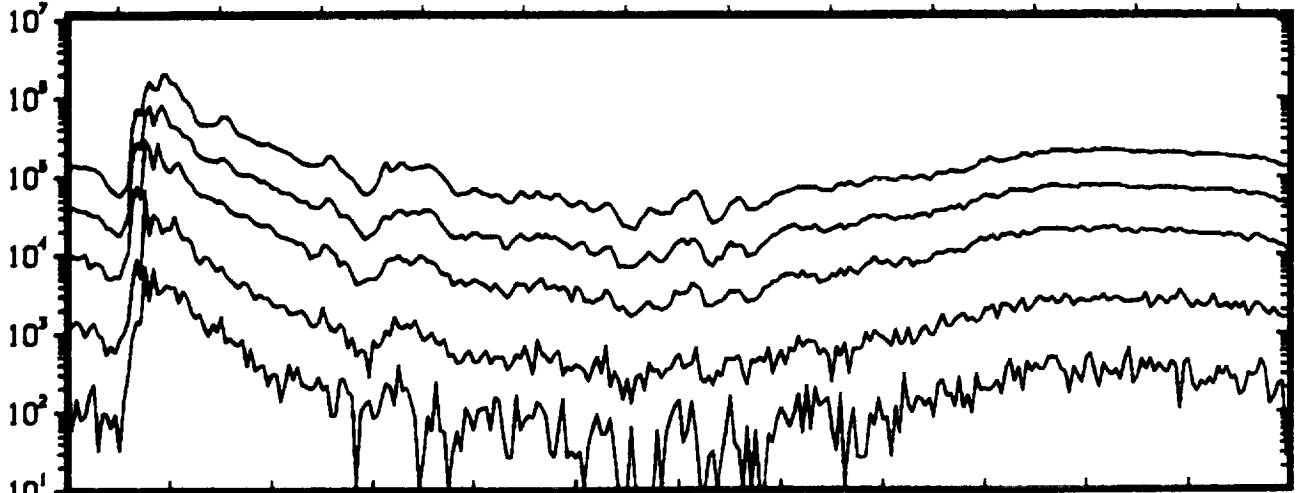
# LOW ENERGY IONS

1977-007 83/04/05  
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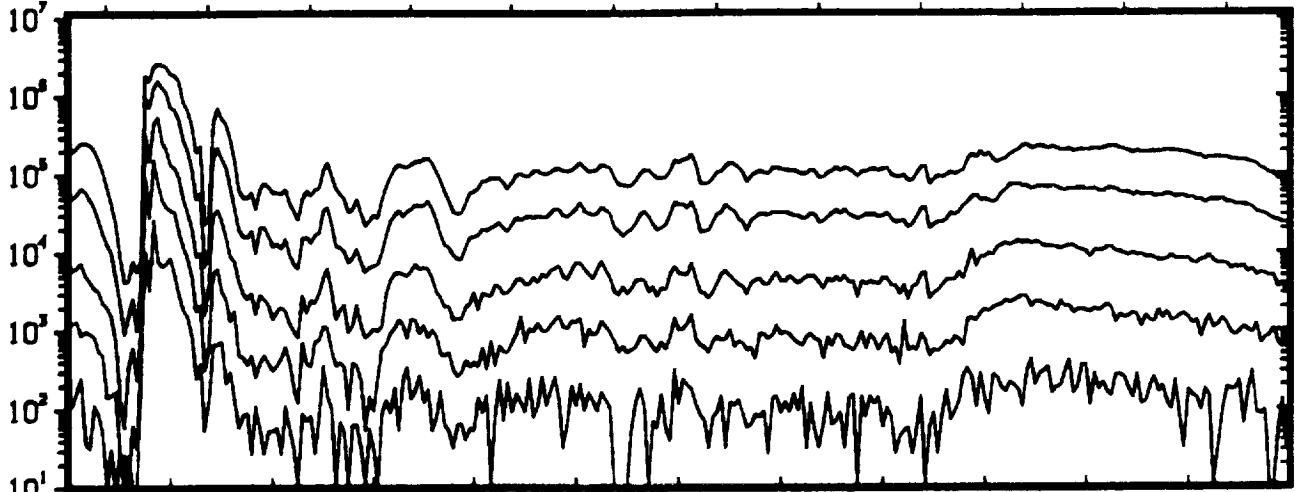


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



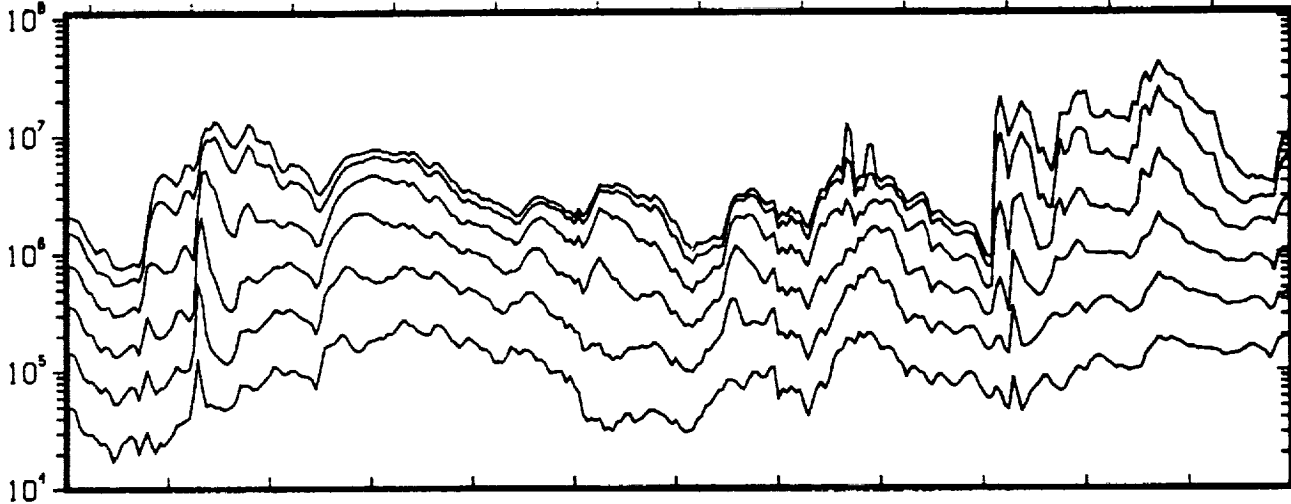
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

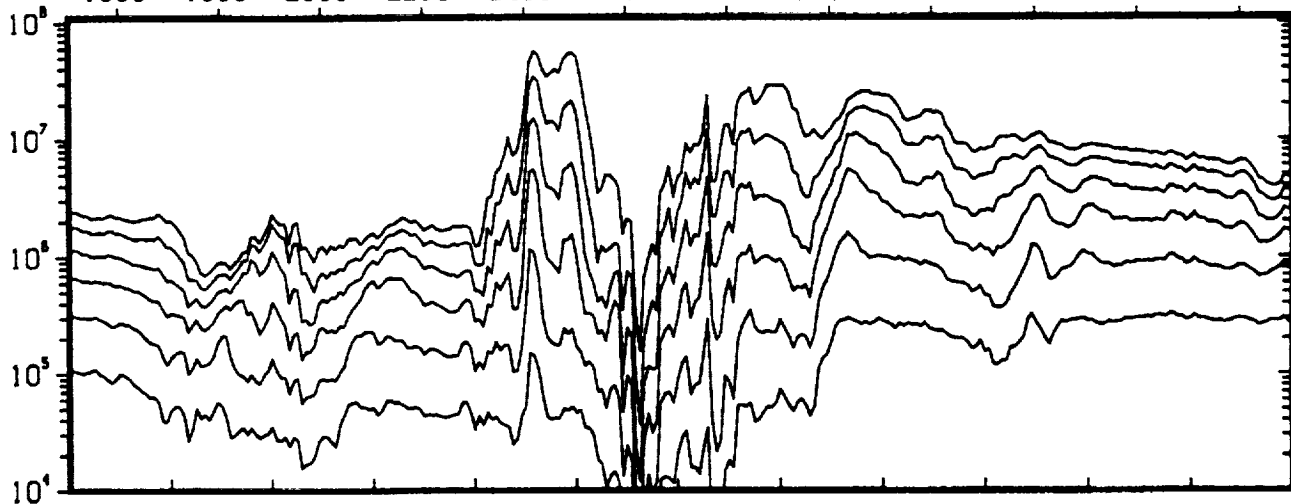
83/04/06

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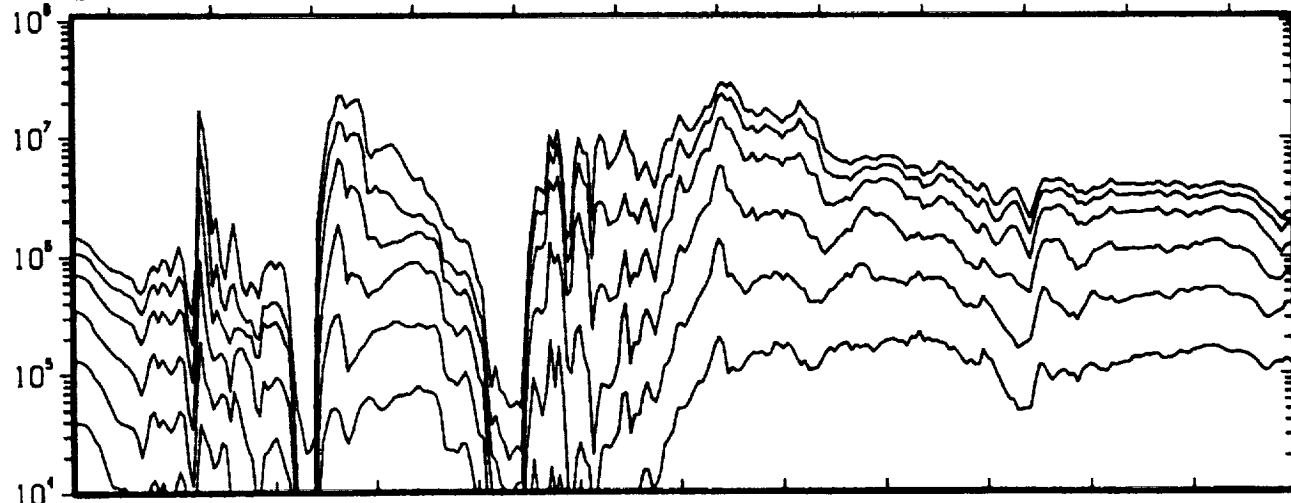
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

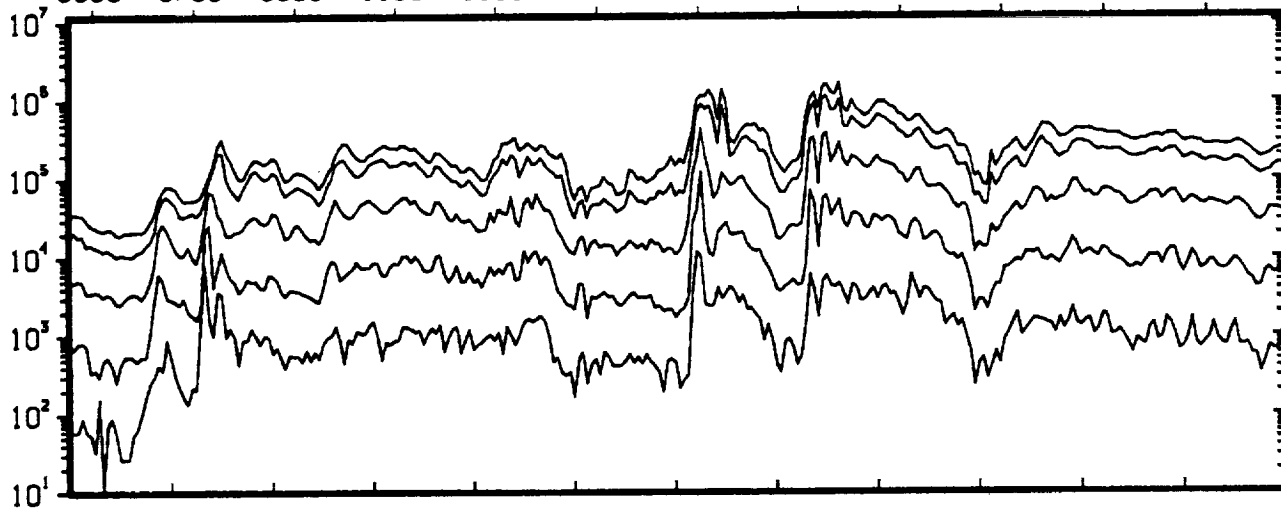


# LOW ENERGY IONS

1977-007

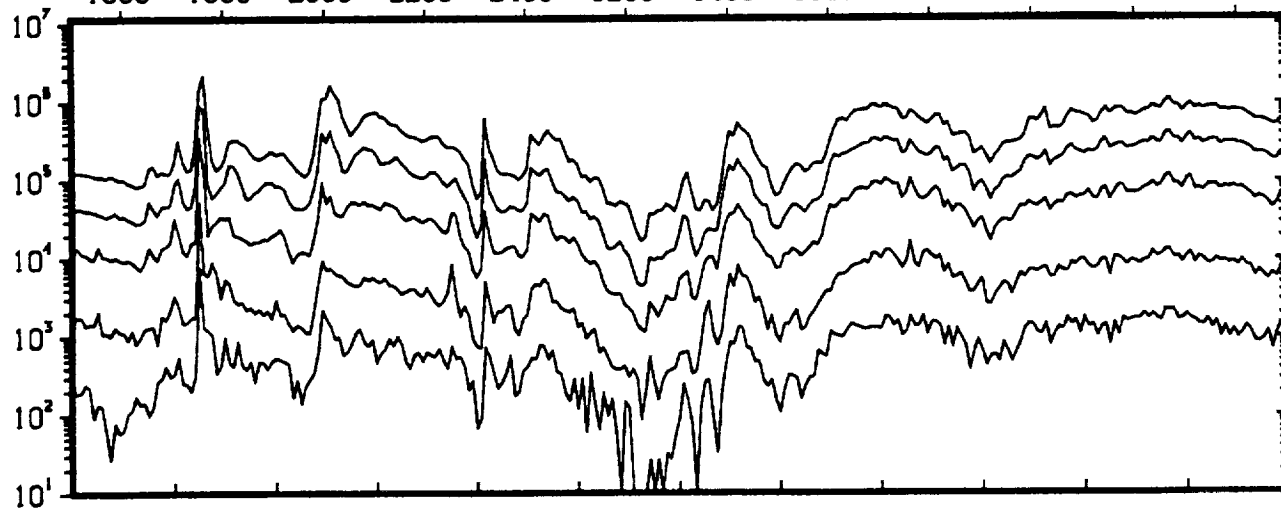
83/04/06

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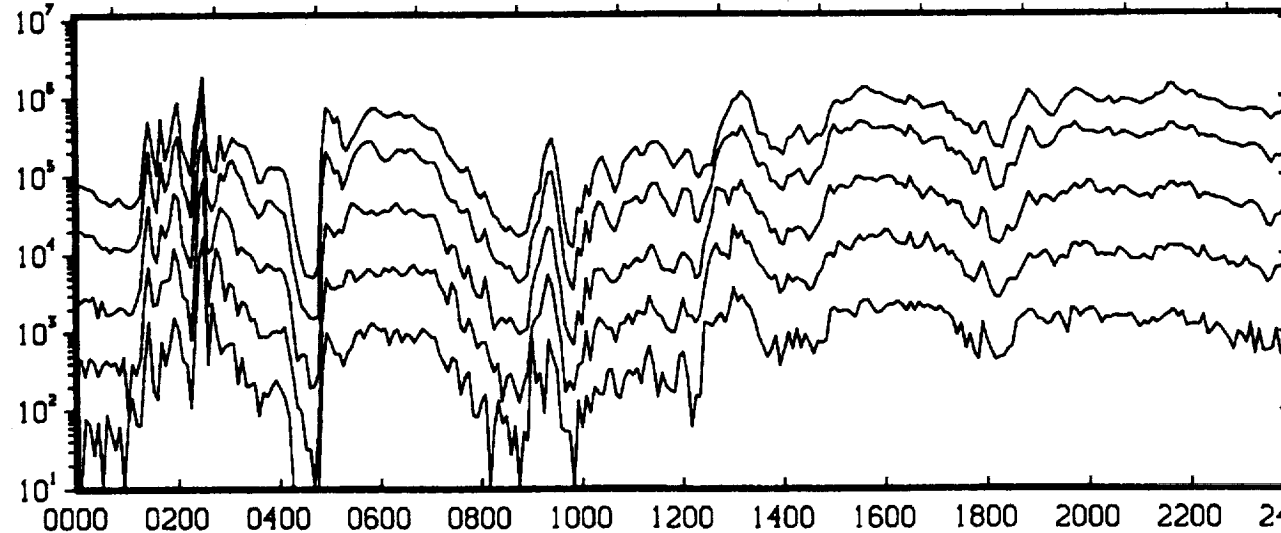
1981-025

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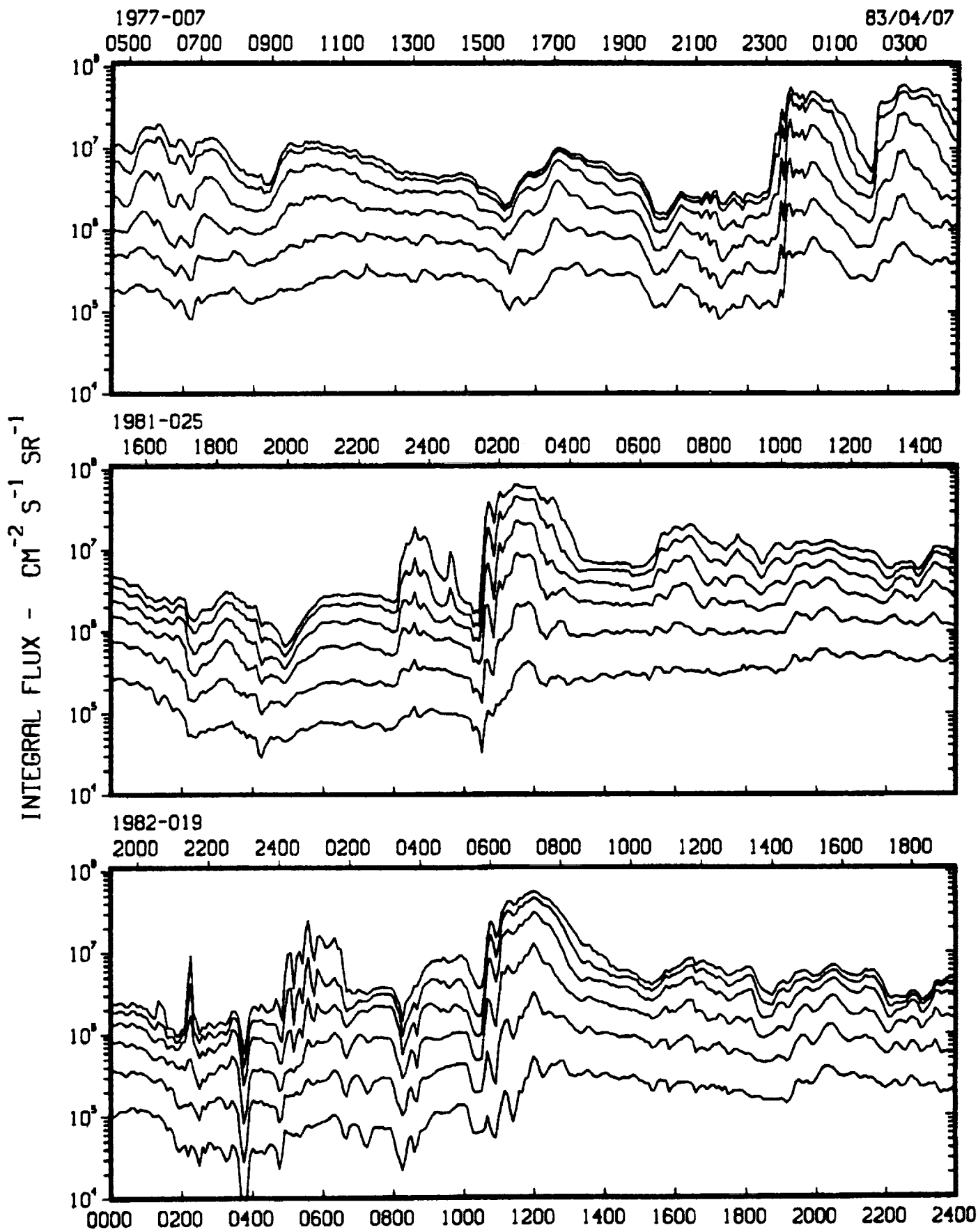
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



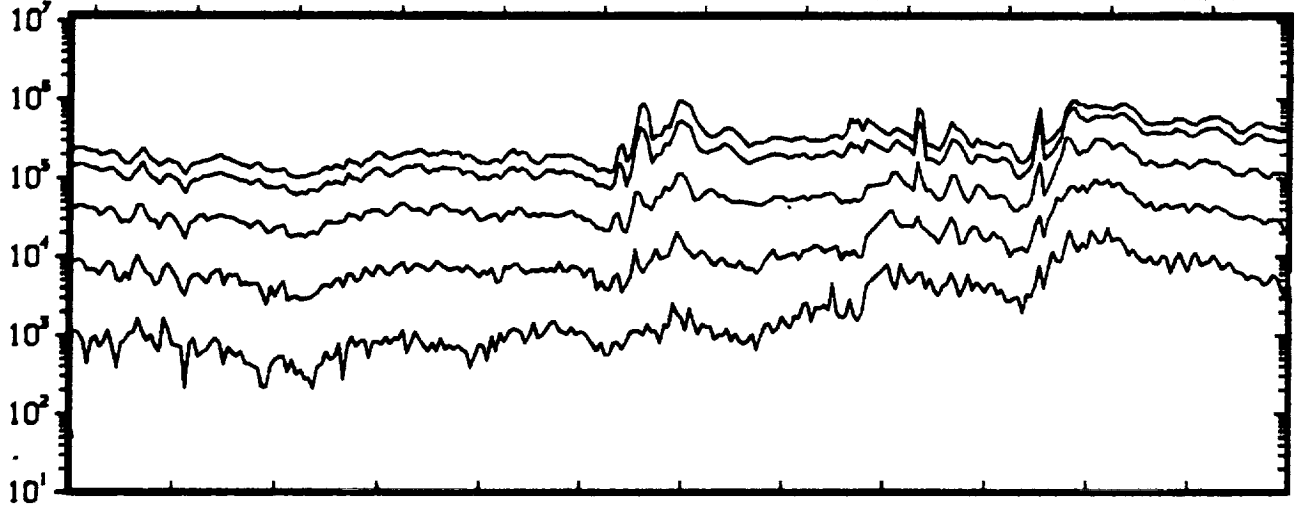
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

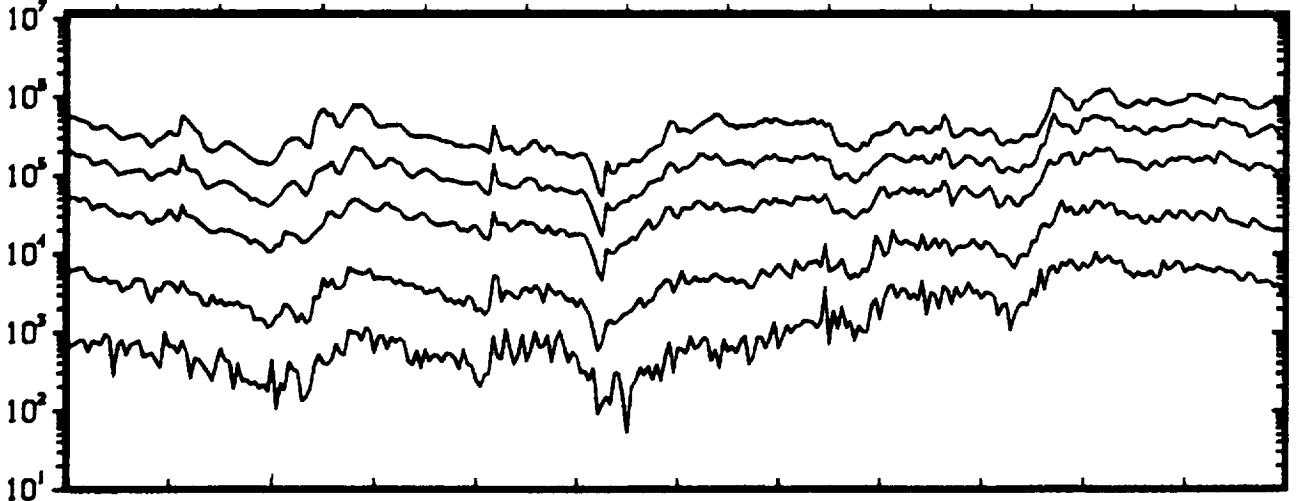


# LOW ENERGY IONS

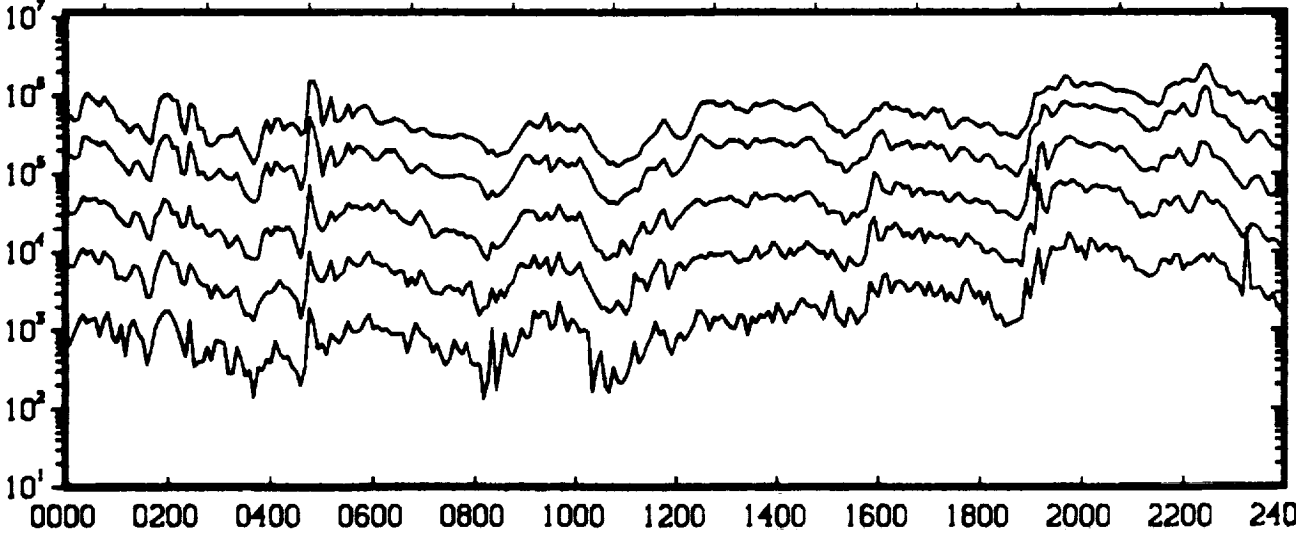
1977-007 83/04/07  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



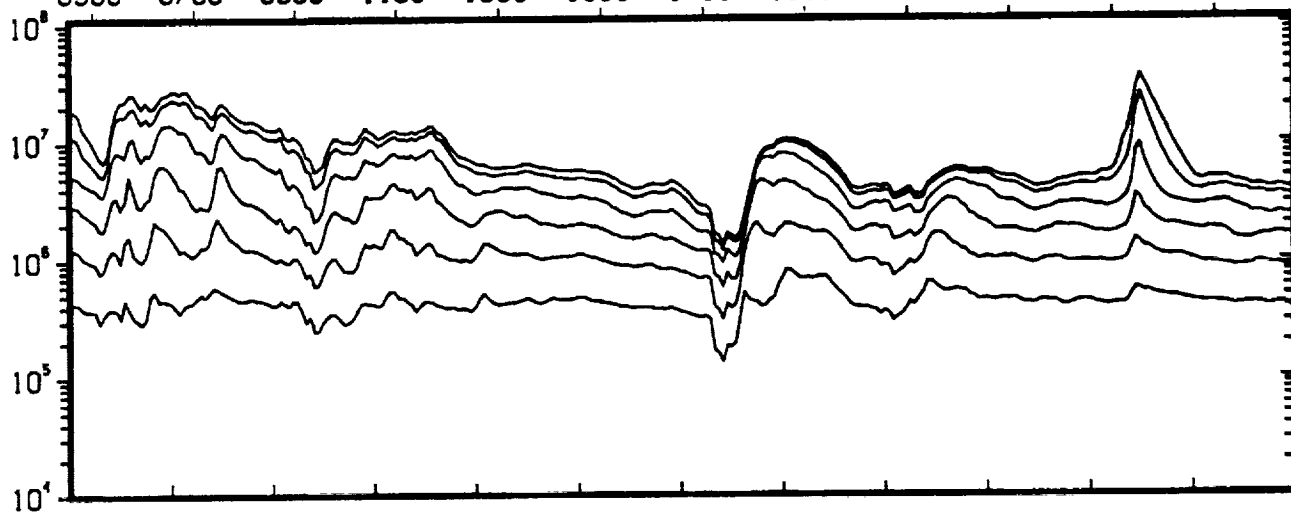
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

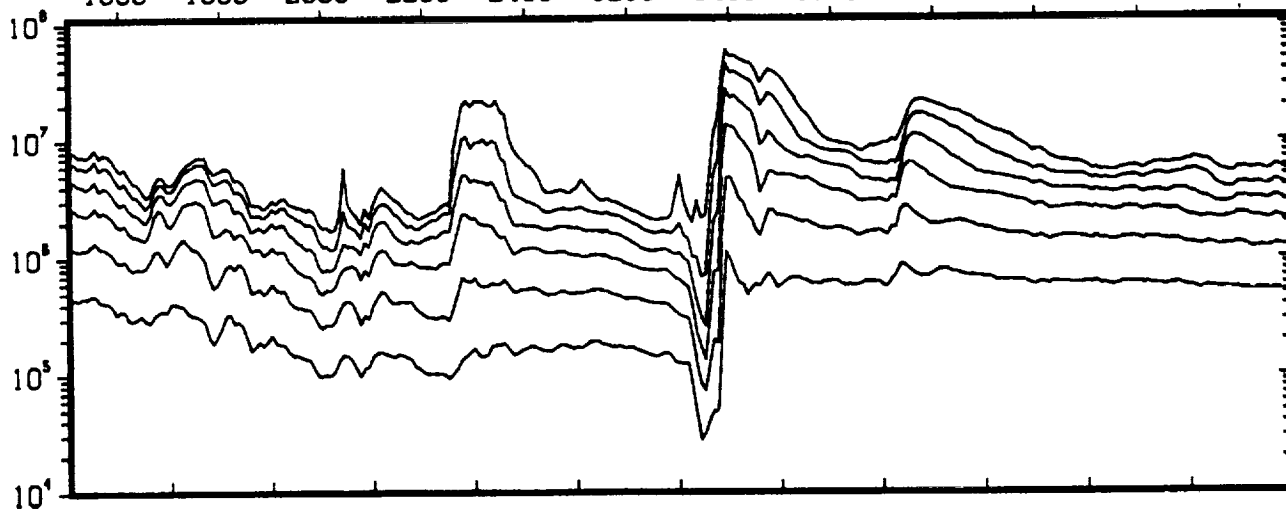
83/04/08

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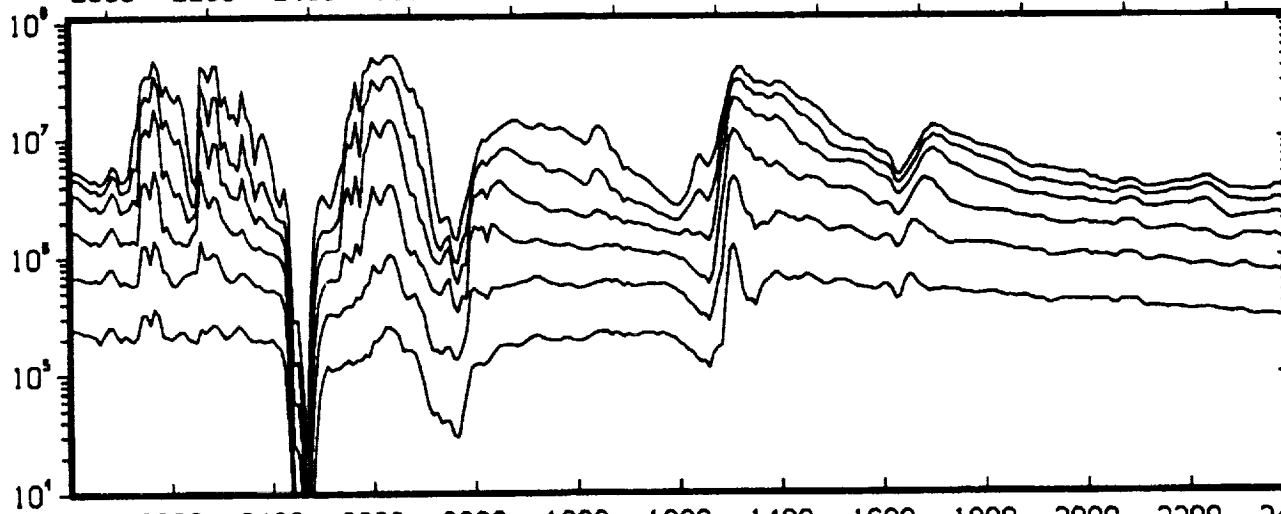
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

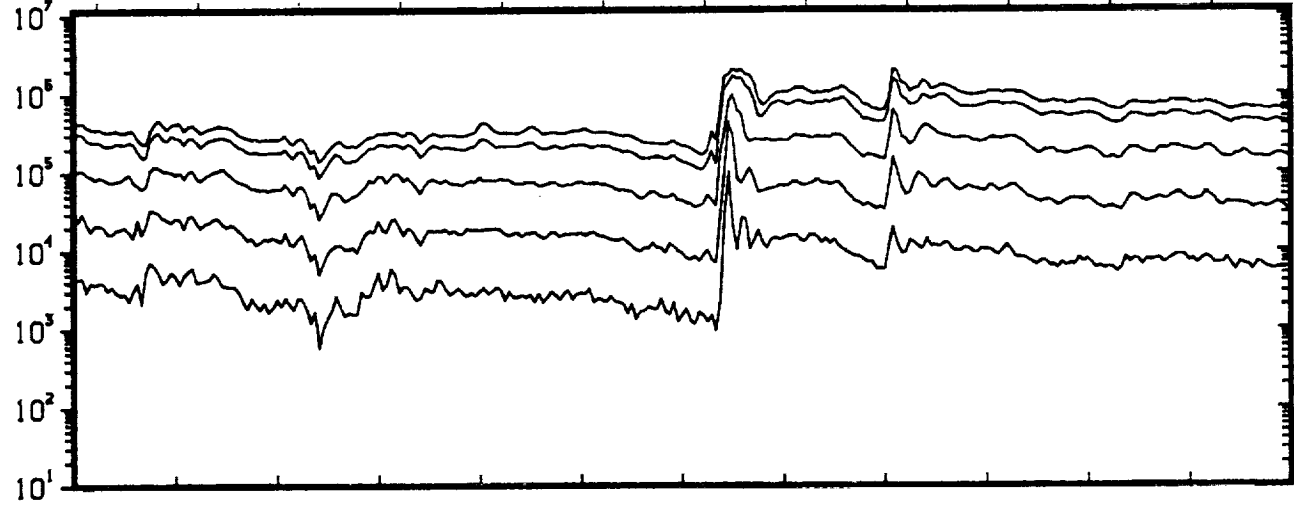
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



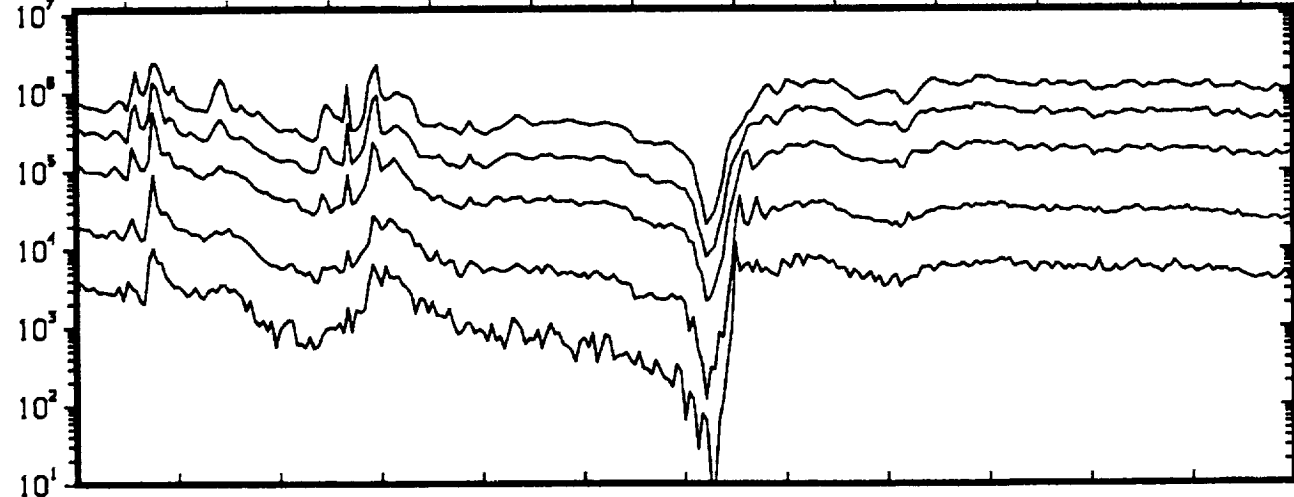
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

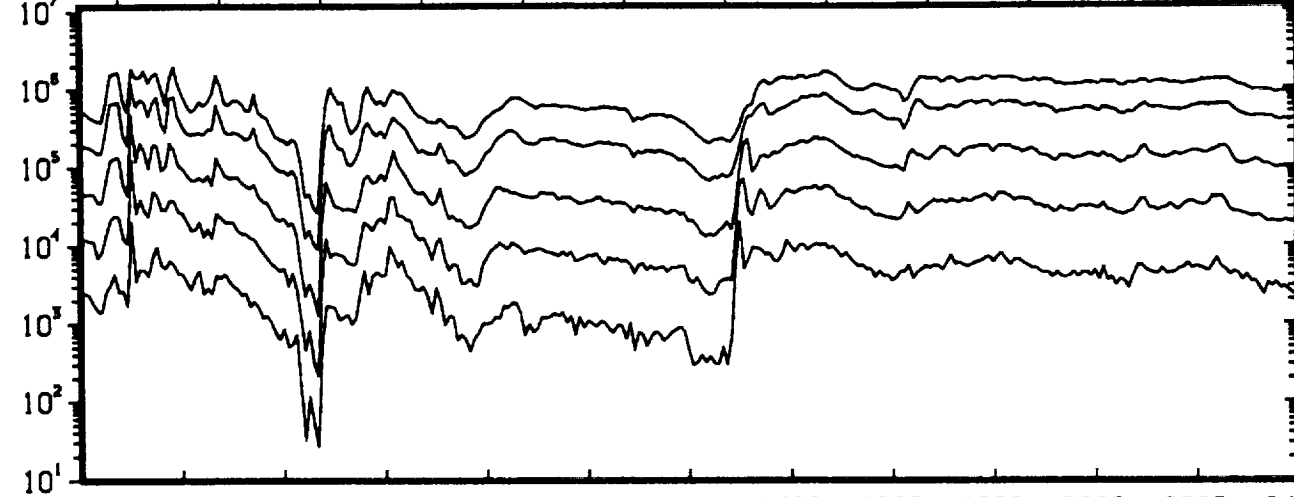
1977-007 83/04/08  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



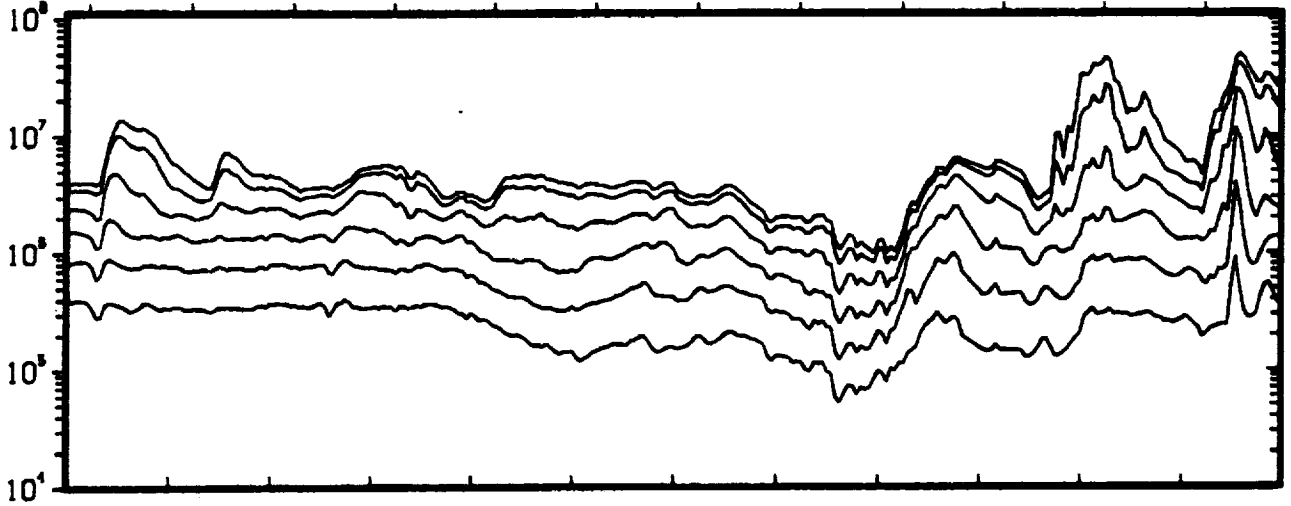
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

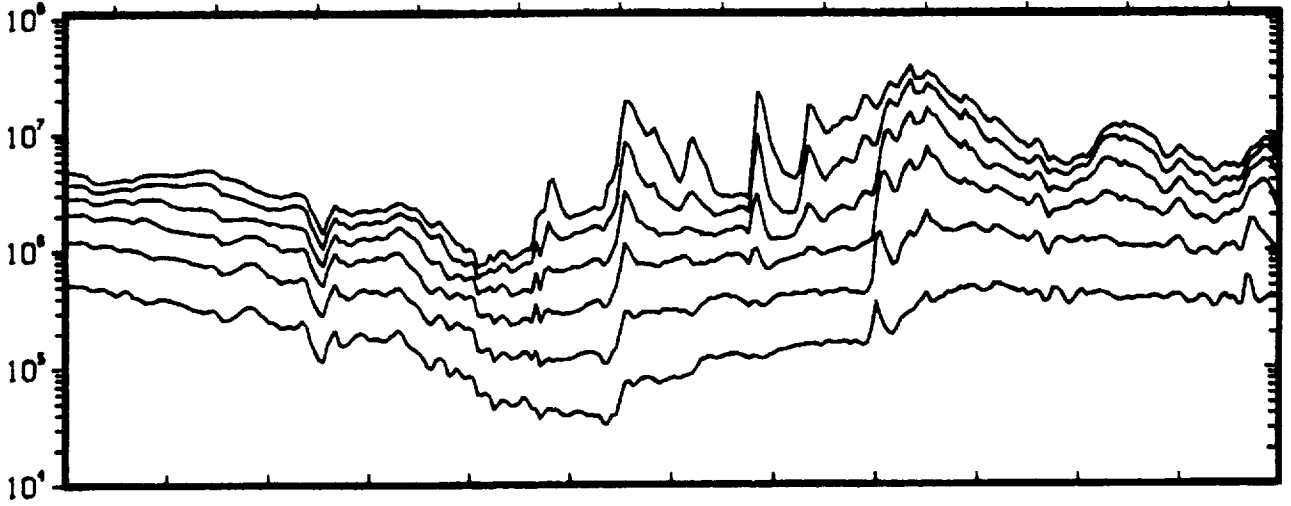
83/04/09

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



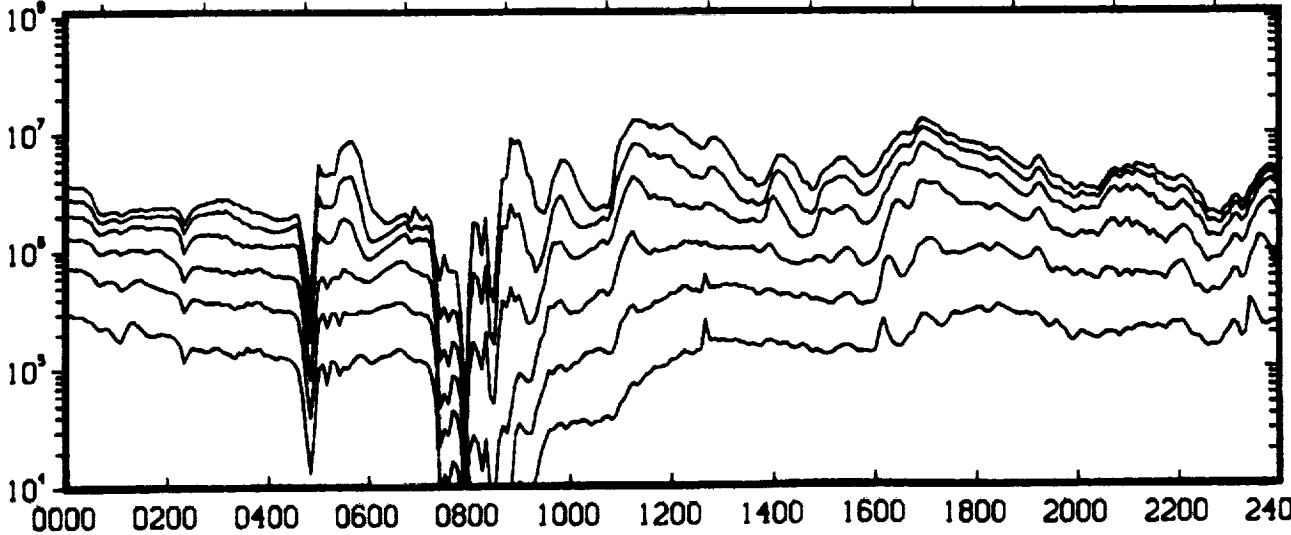
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



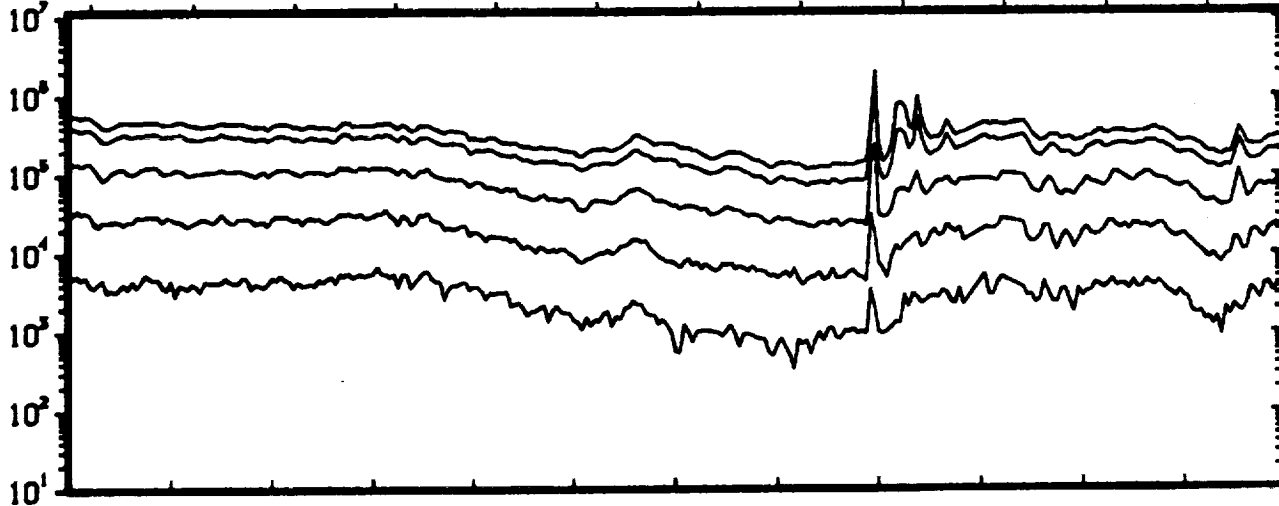
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

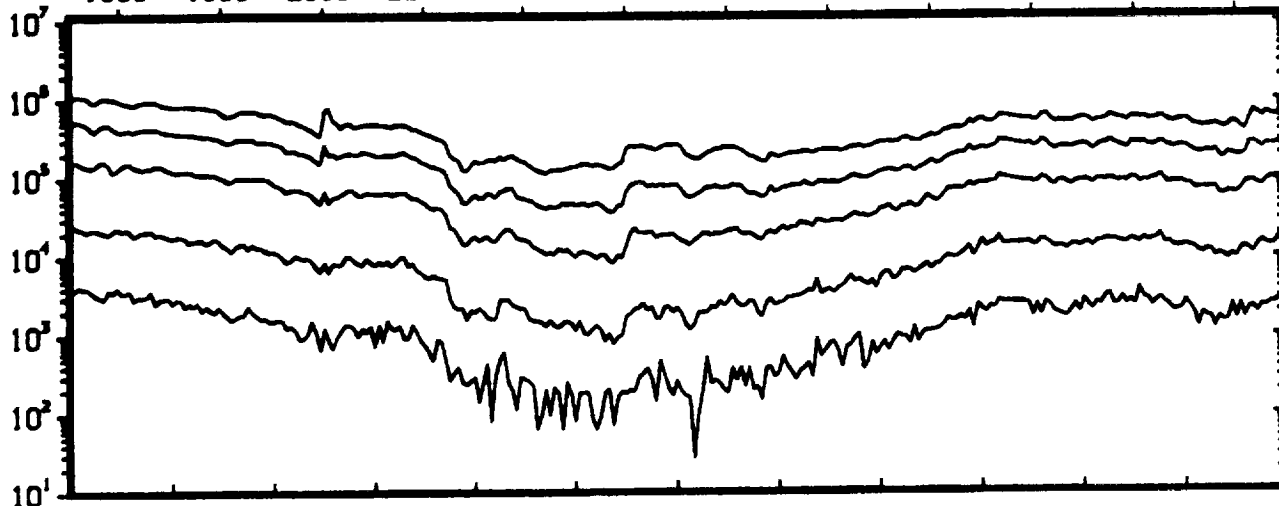
83/04/09

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



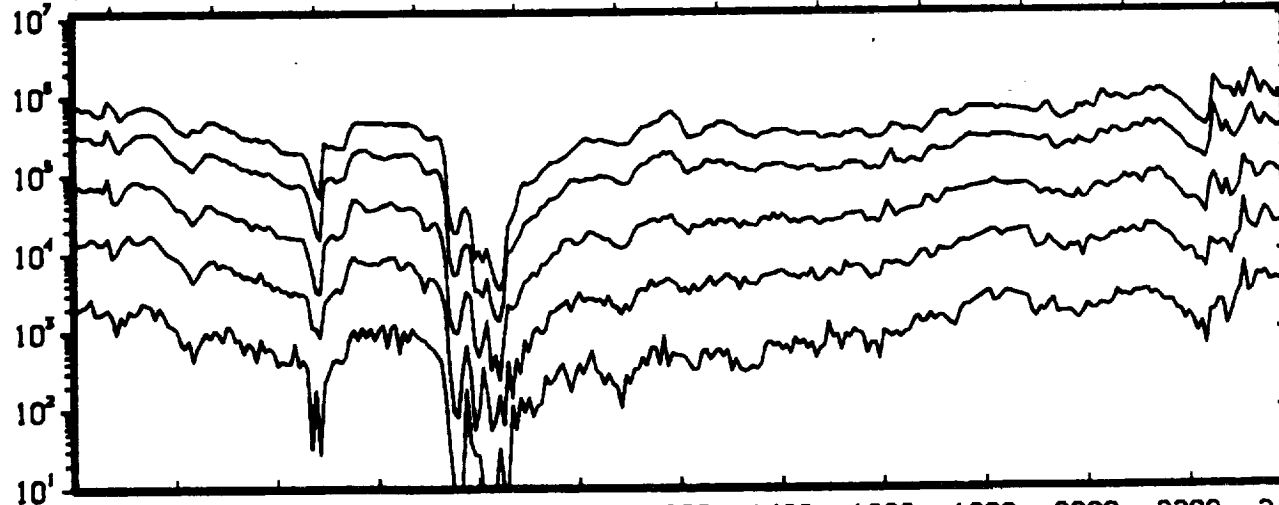
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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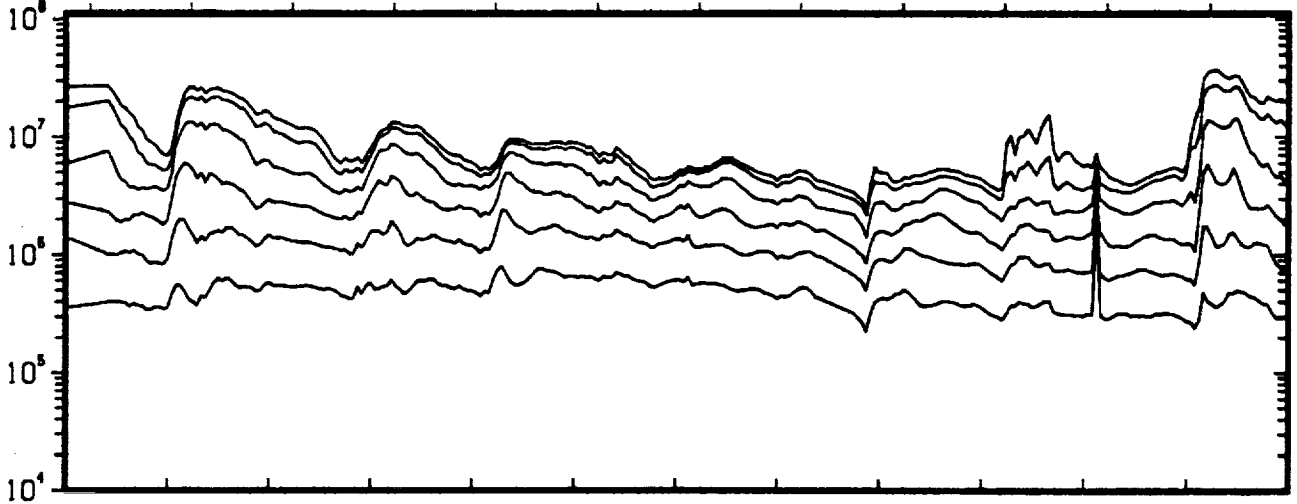
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

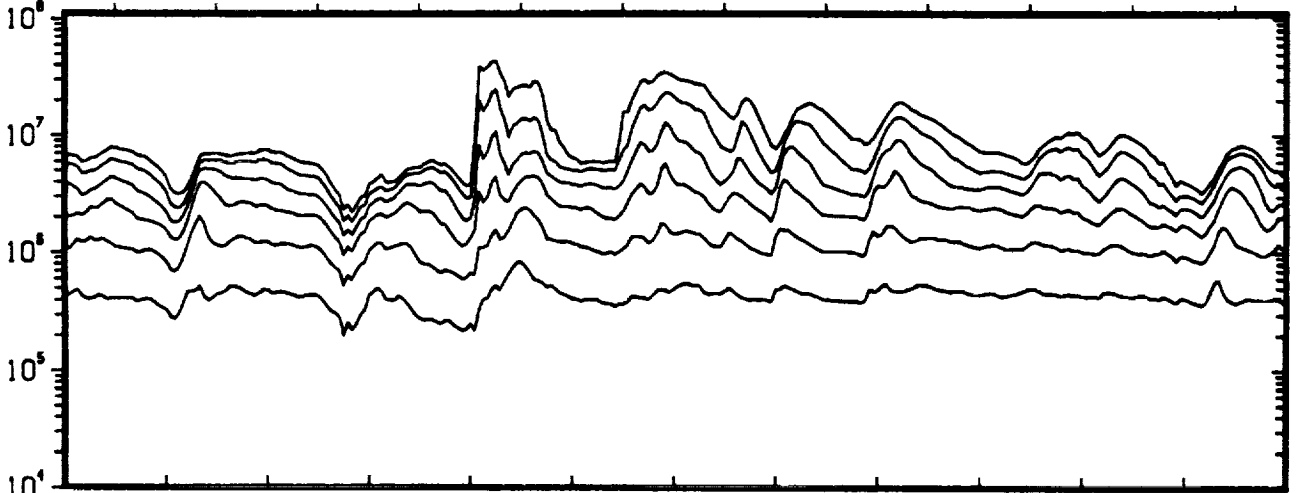
83/04/10

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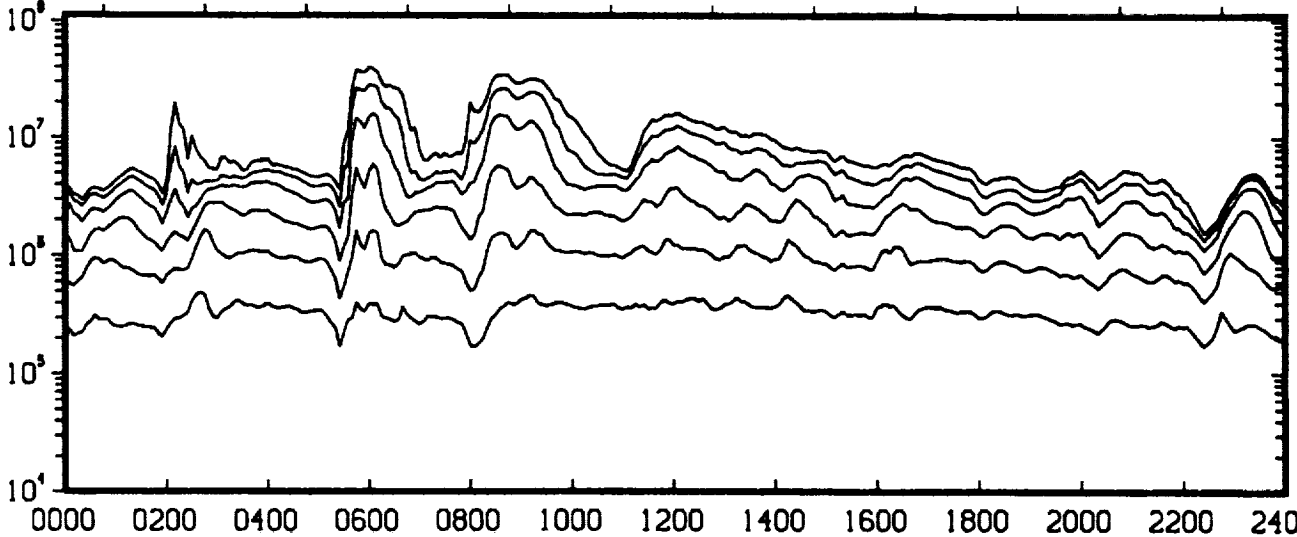
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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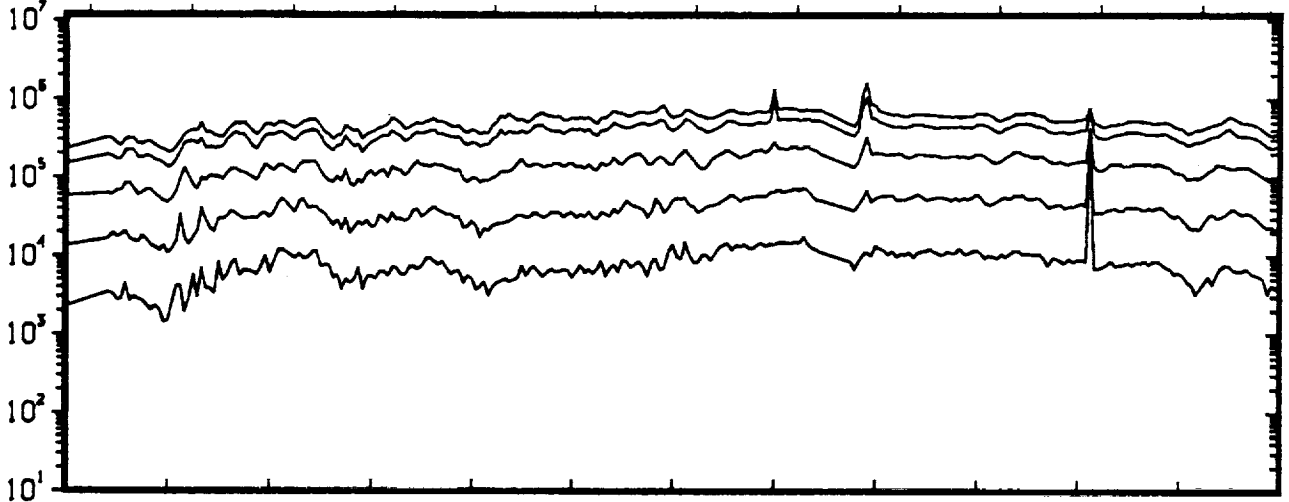


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



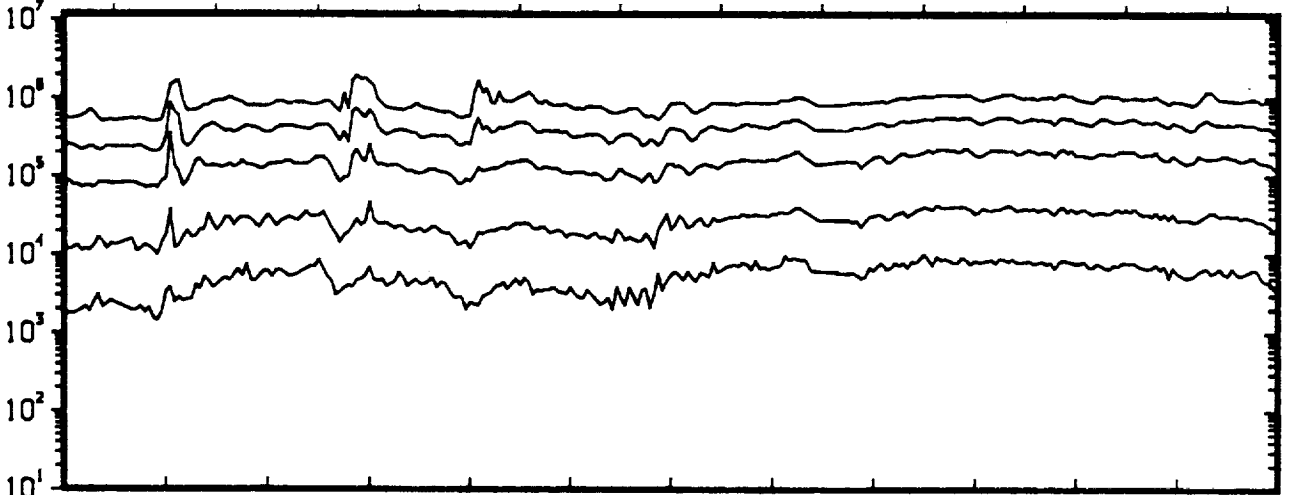
# LOW ENERGY IONS

1977-007 83/04/10  
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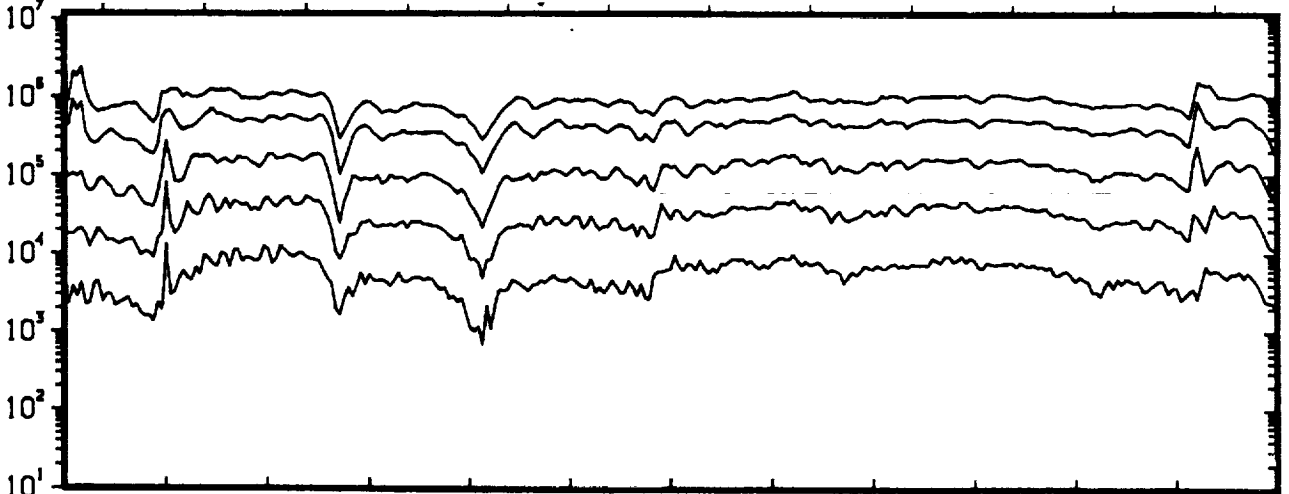


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
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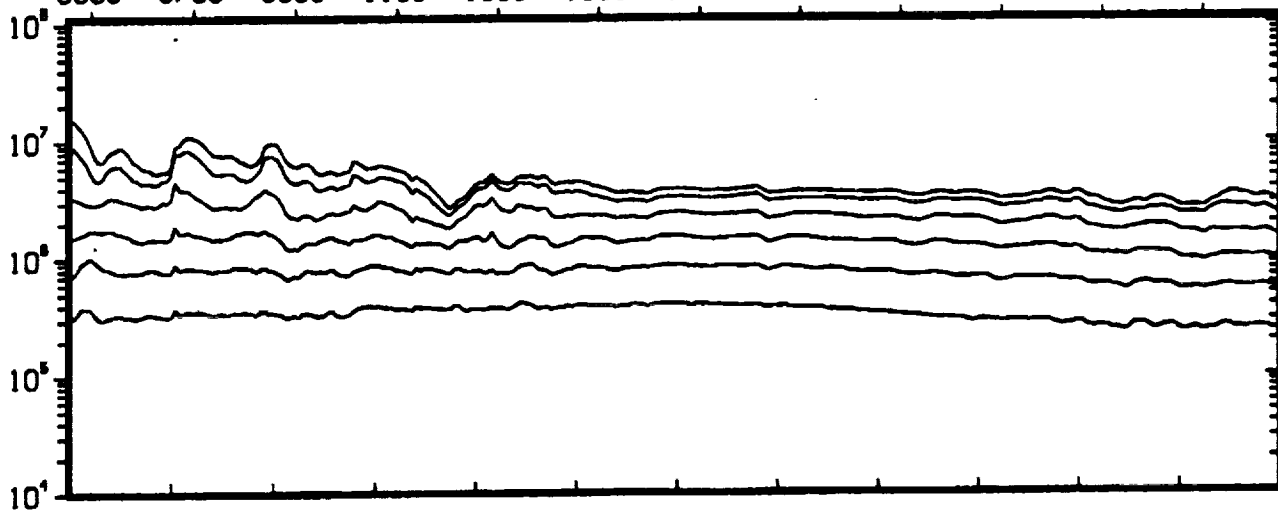
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# LOW ENERGY ELECTRONS

1977-007

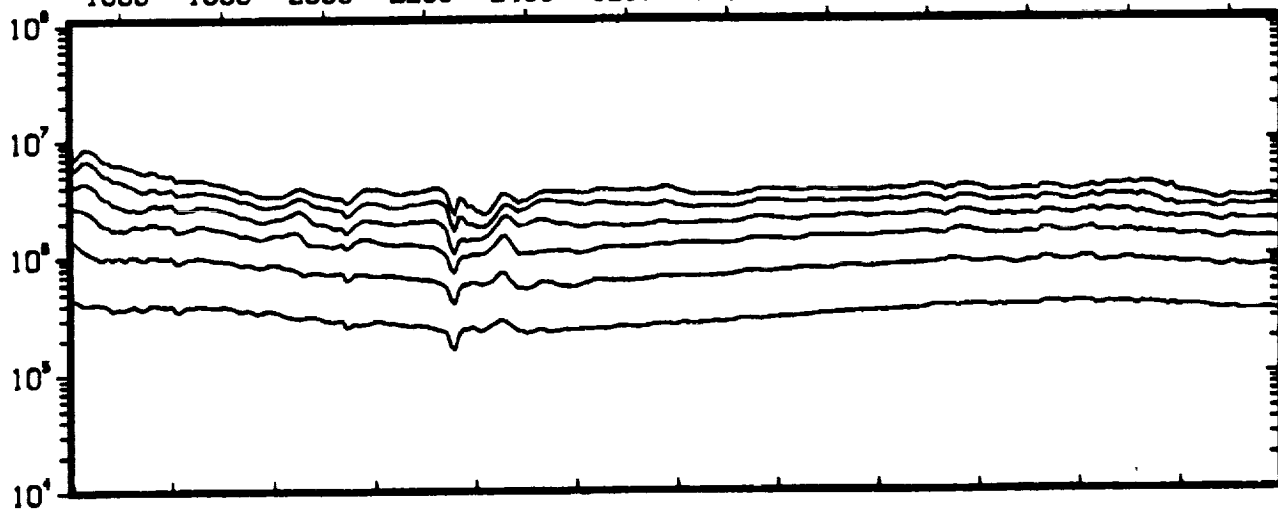
83/04/11

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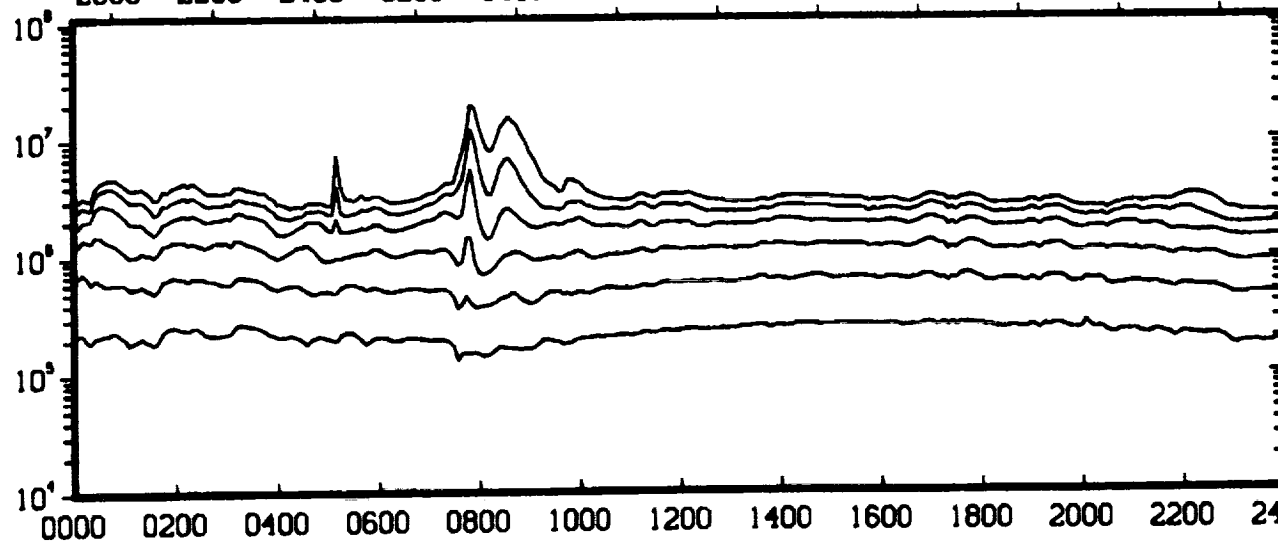
1981-025

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1982-019

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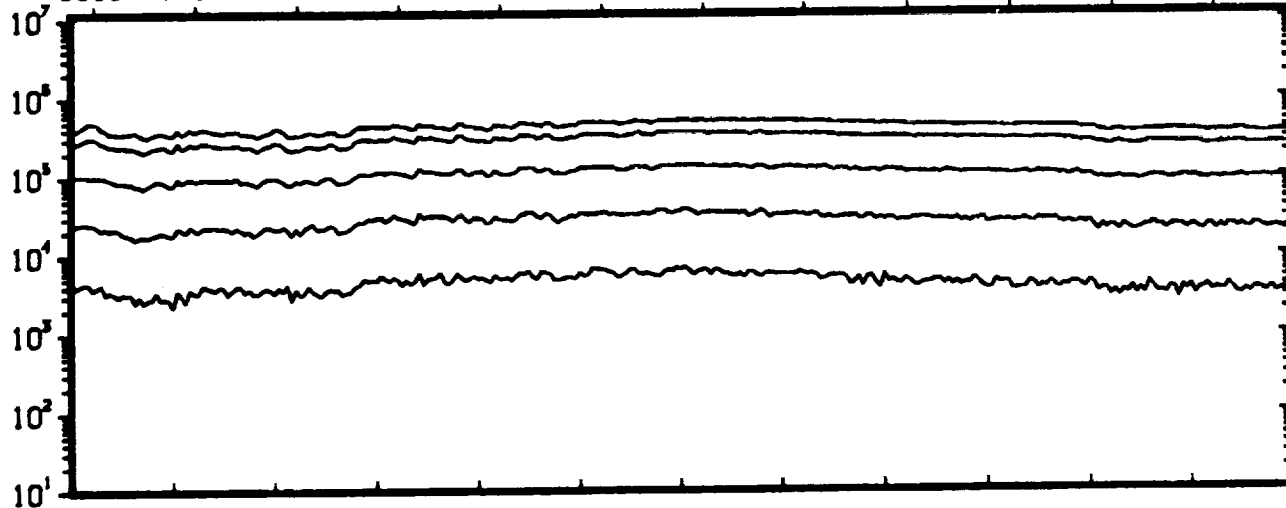
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

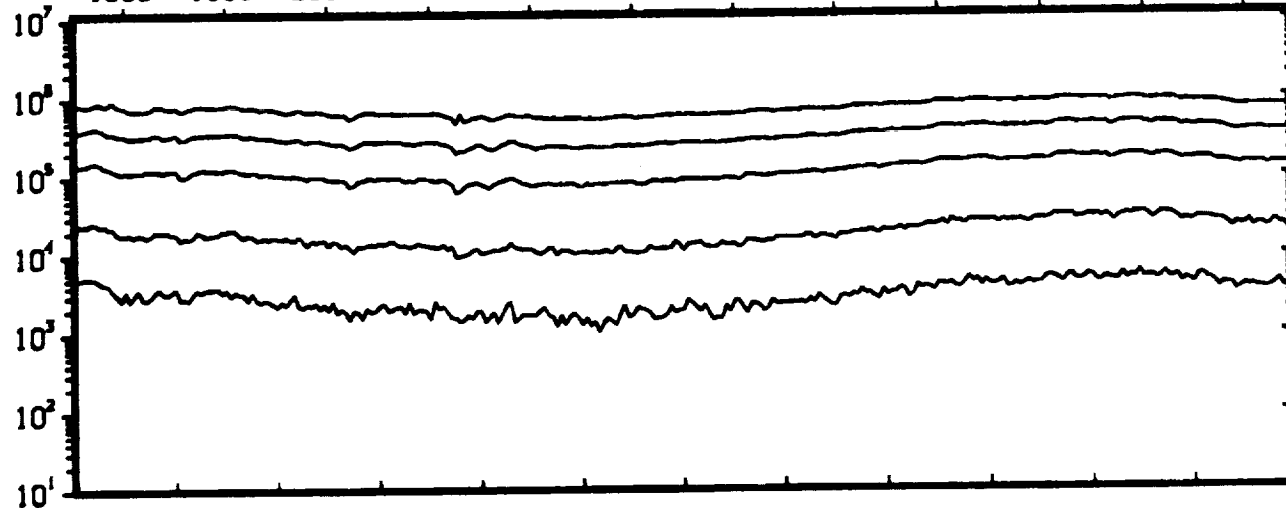
83/04/11

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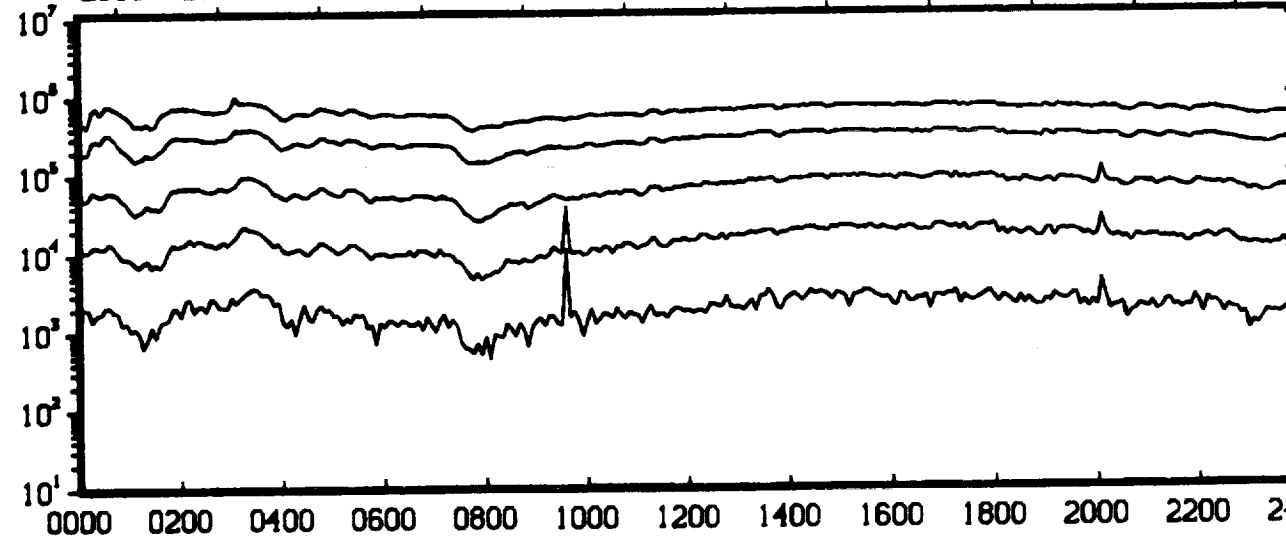
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



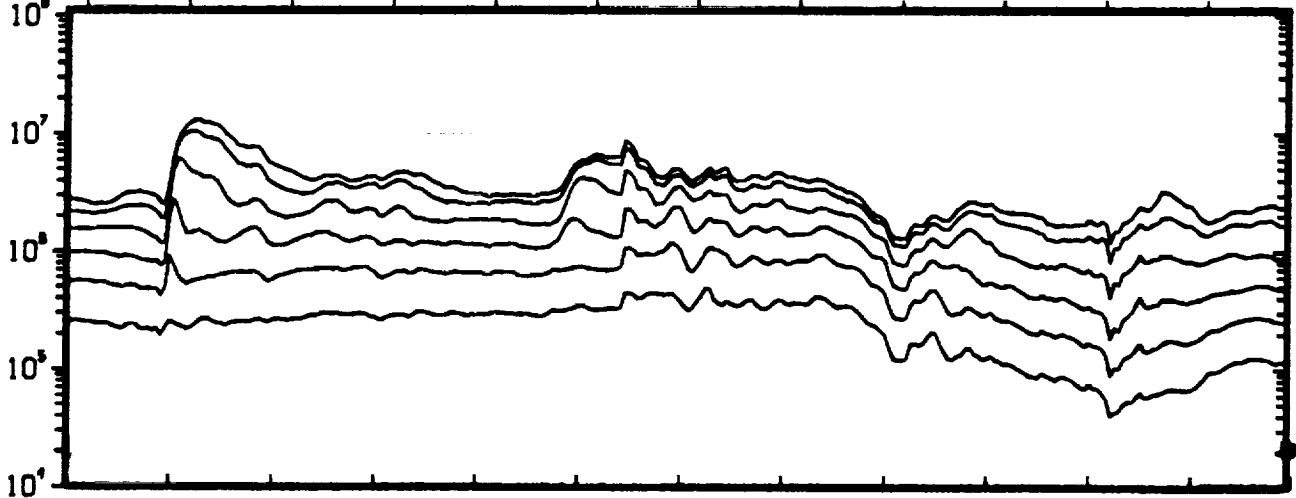
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

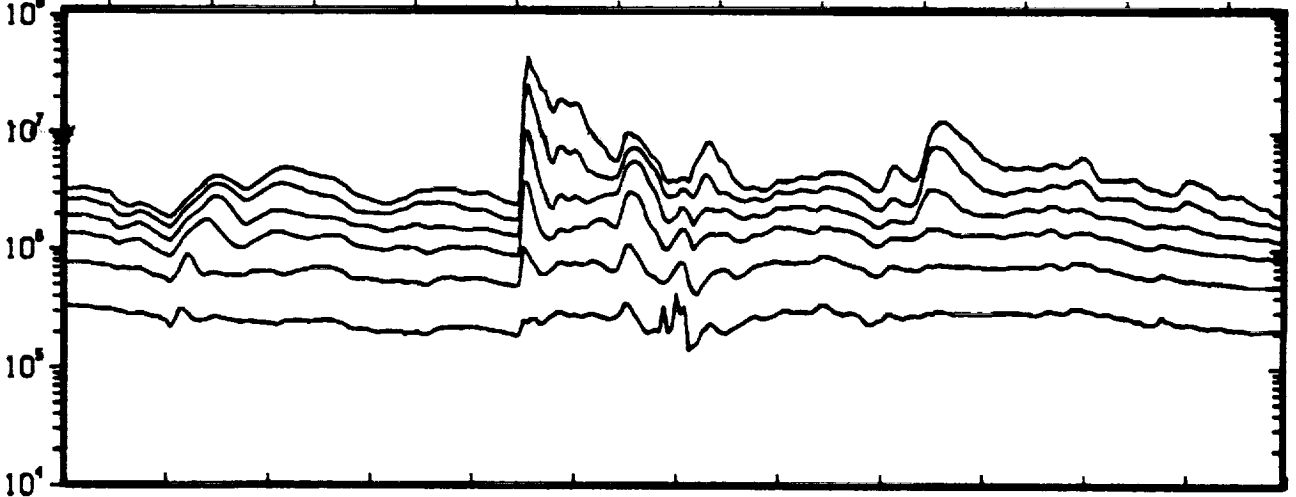
83/04/12

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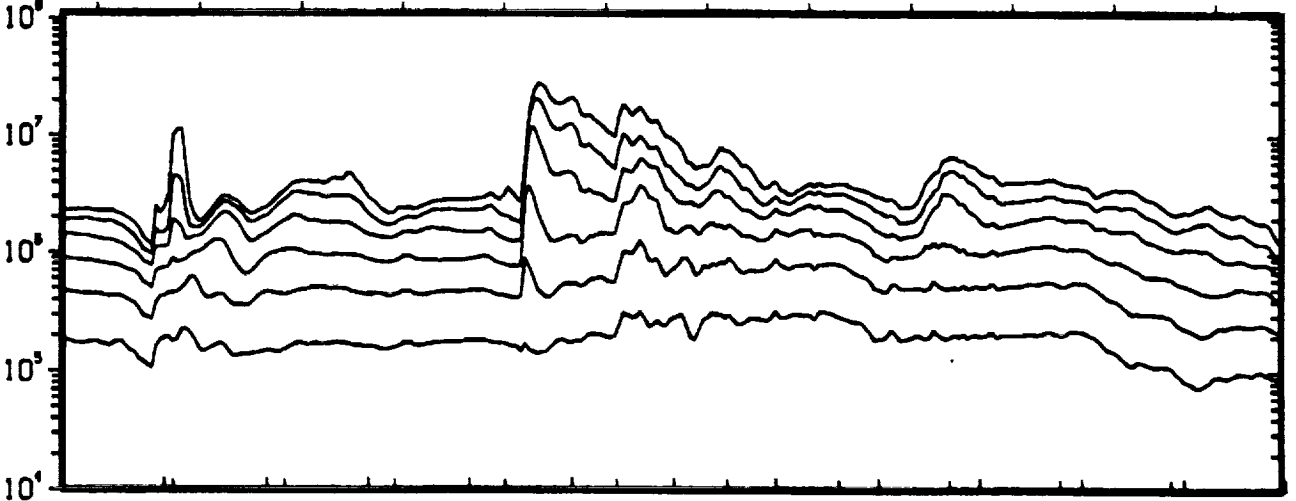
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

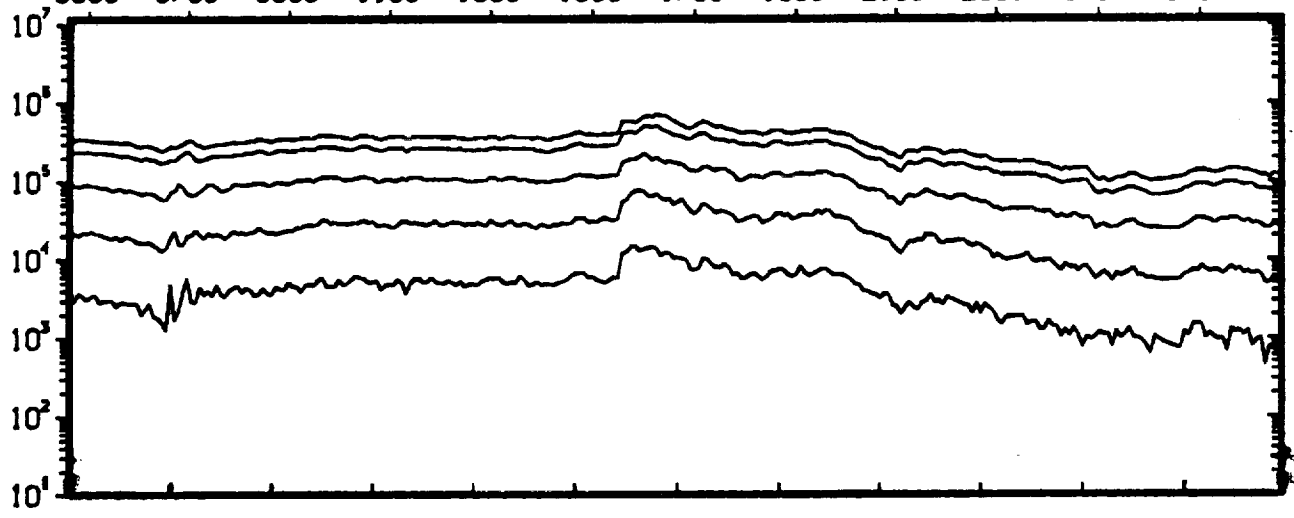
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# LOW ENERGY IONS

1977-007

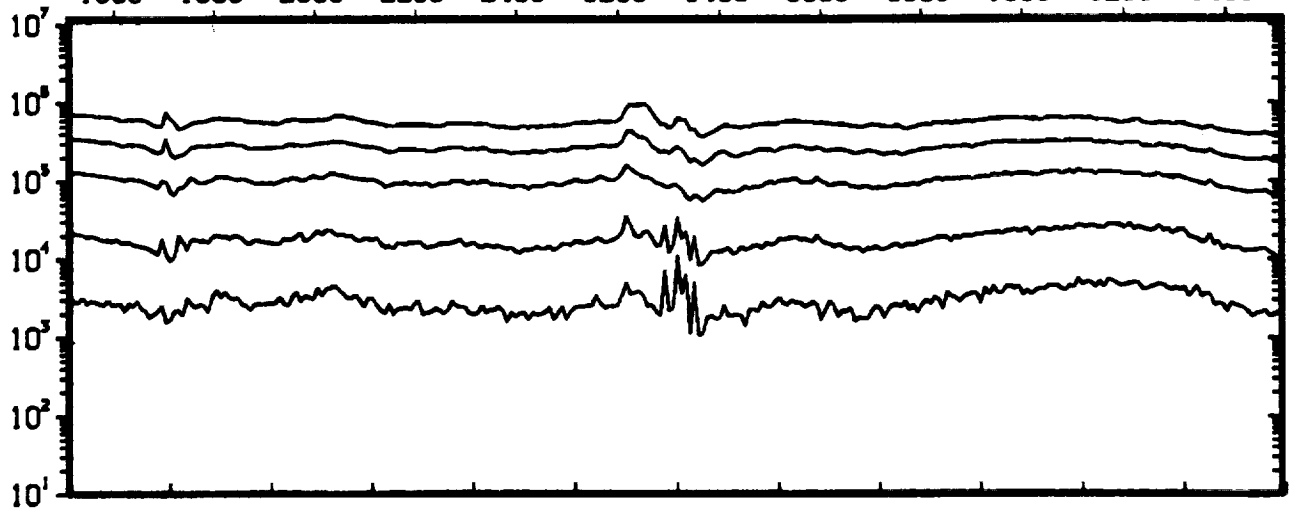
83/04/12

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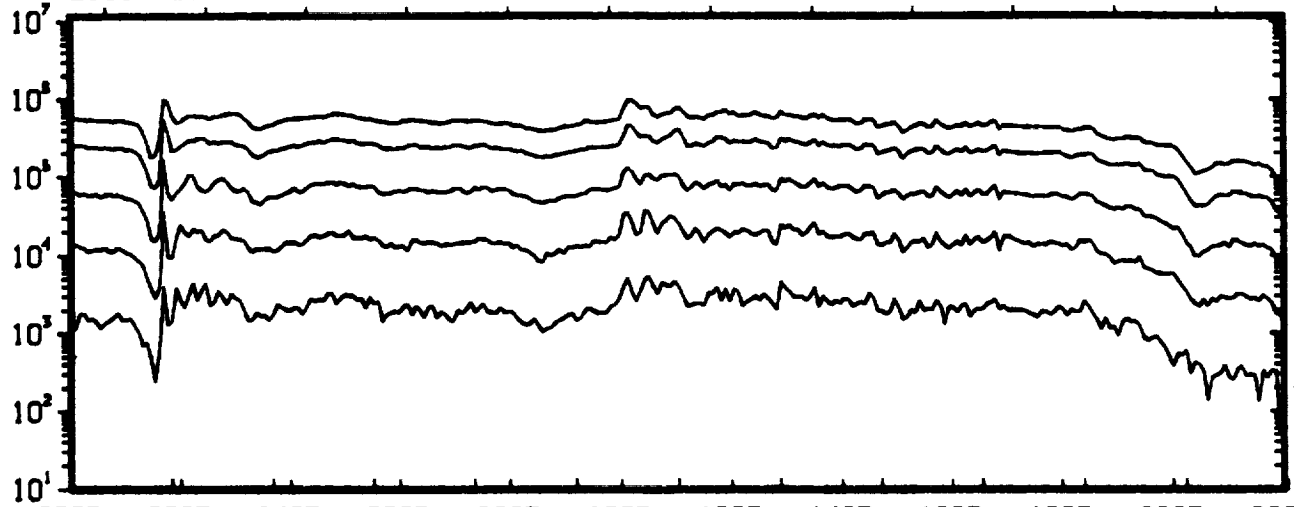
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

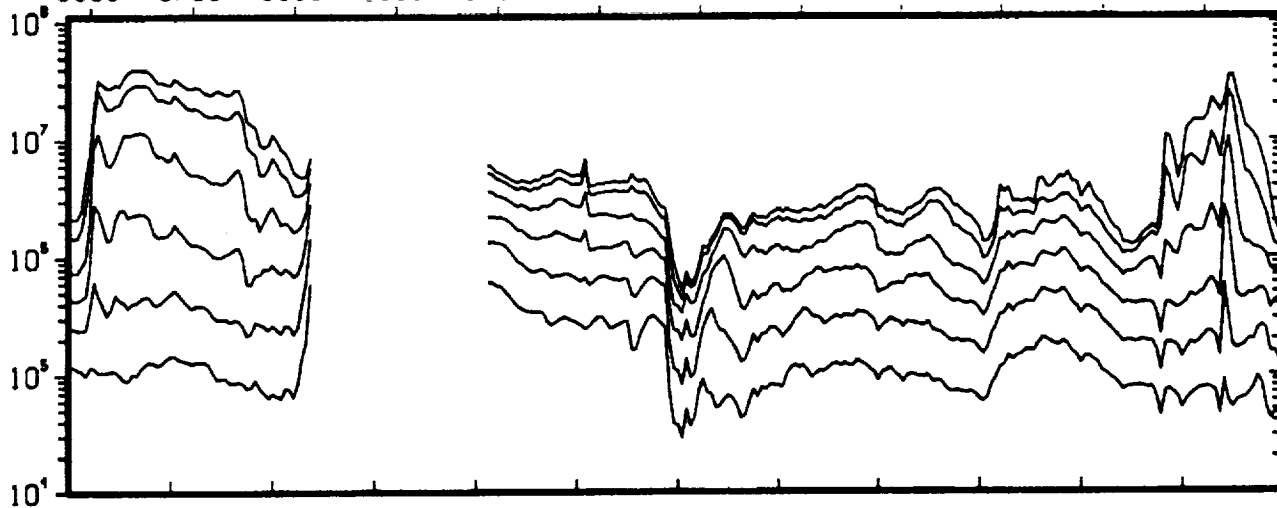
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



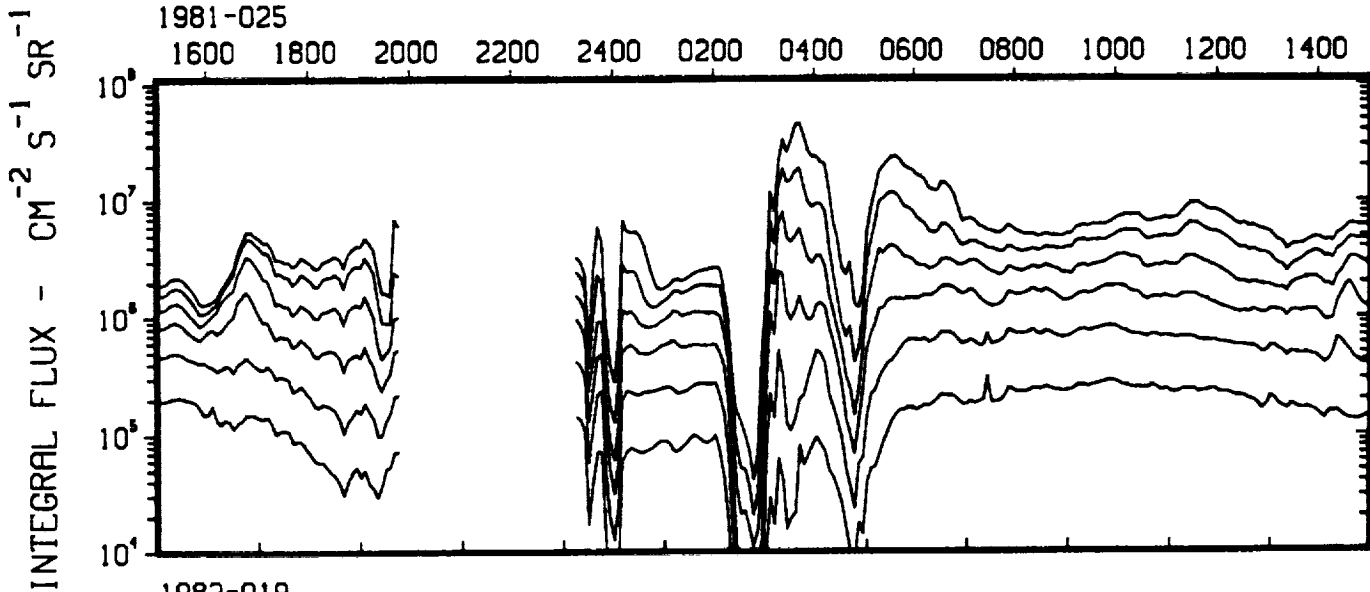
INTEGRAL FLUX - CM<sup>-2</sup> S<sup>-1</sup> SR<sup>-1</sup>

# LOW ENERGY ELECTRONS

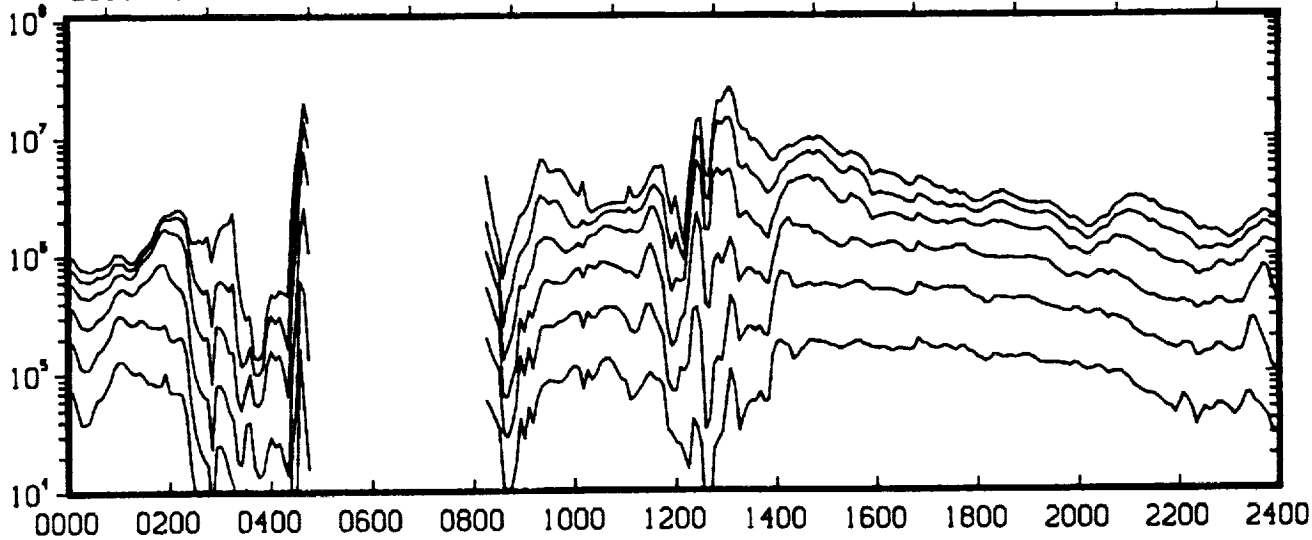
1977-007 83/04/13  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400

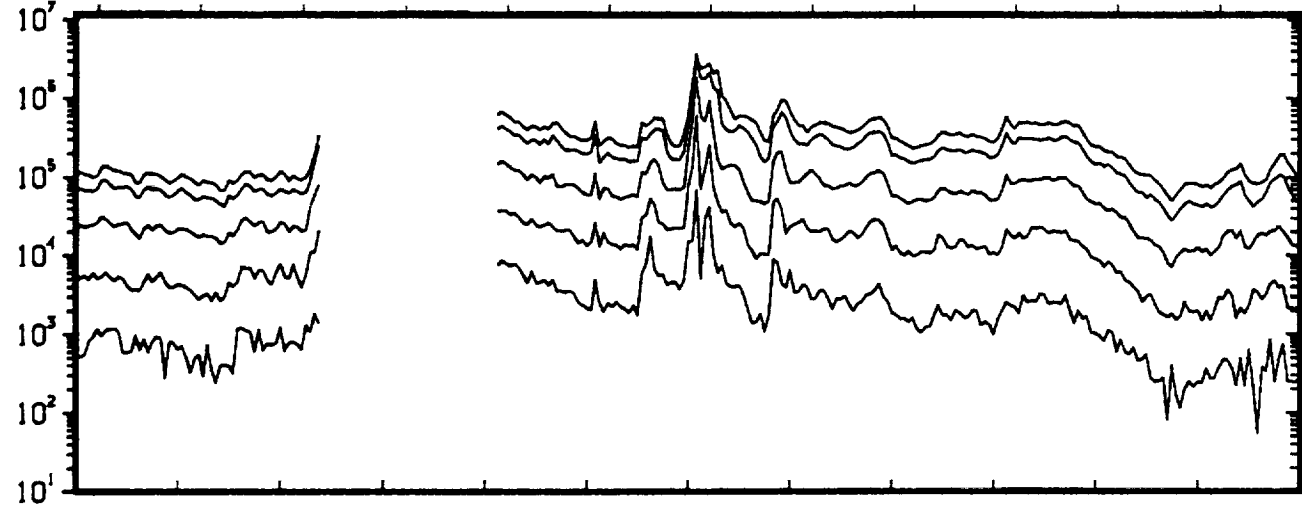


1982-019  
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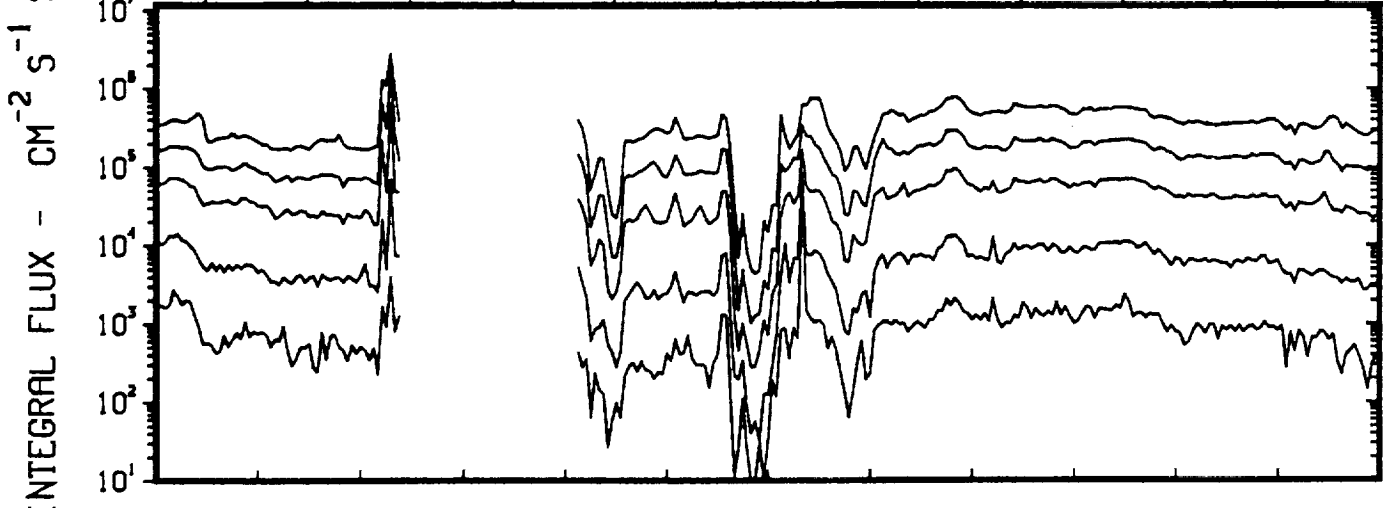


# LOW ENERGY IONS

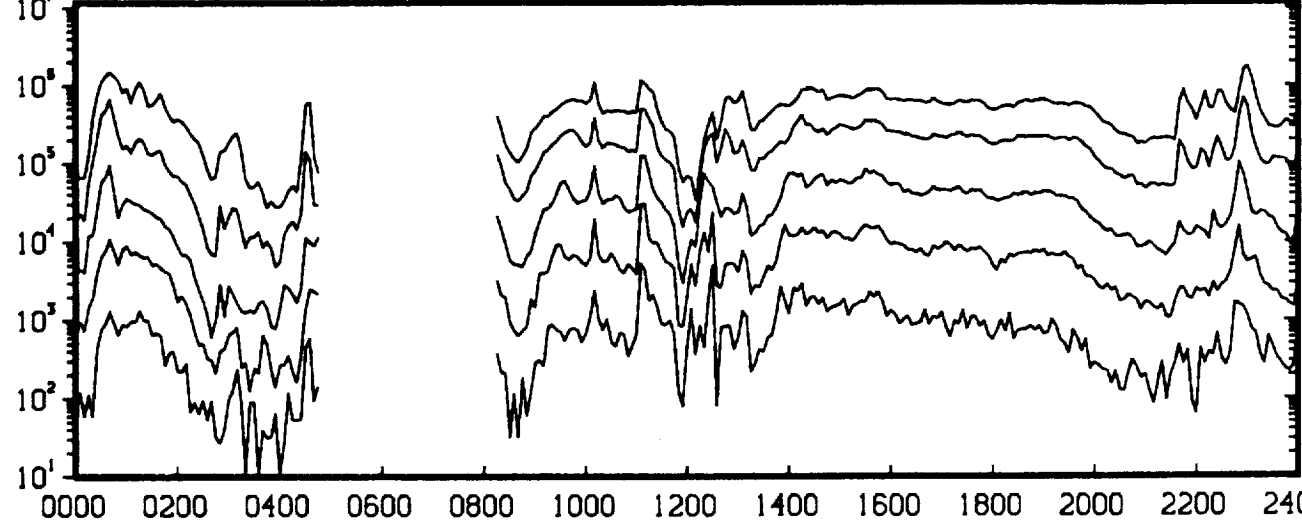
1977-007 83/04/13  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



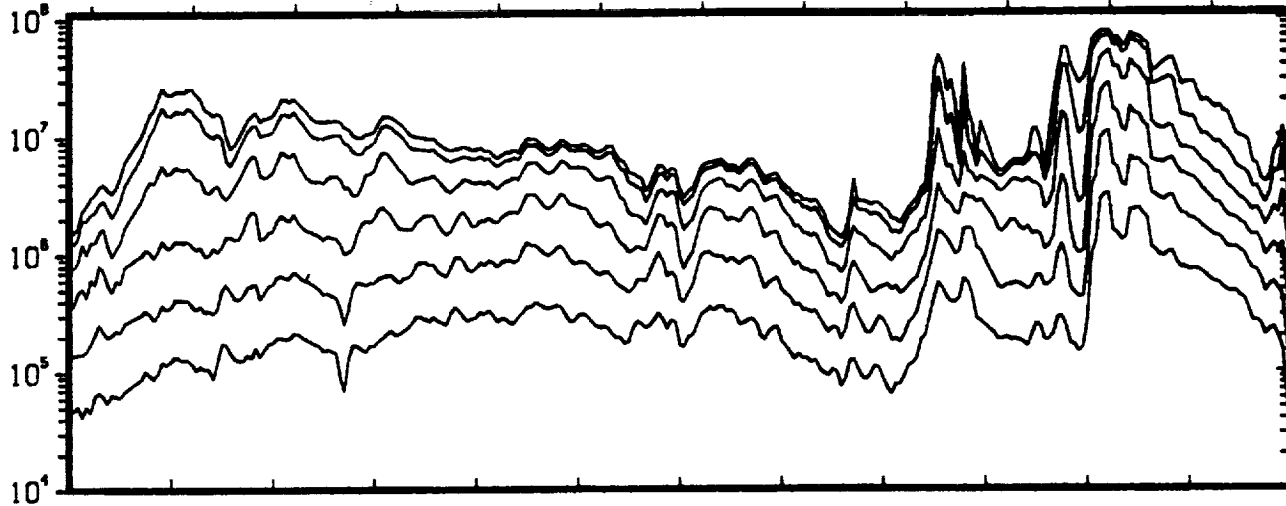
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

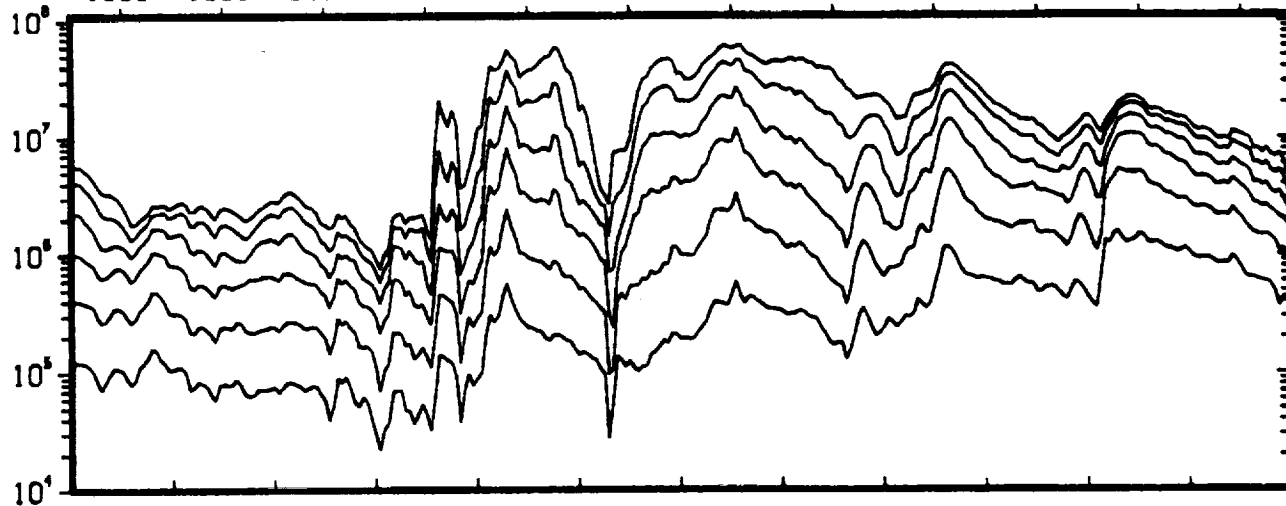
83/04/14

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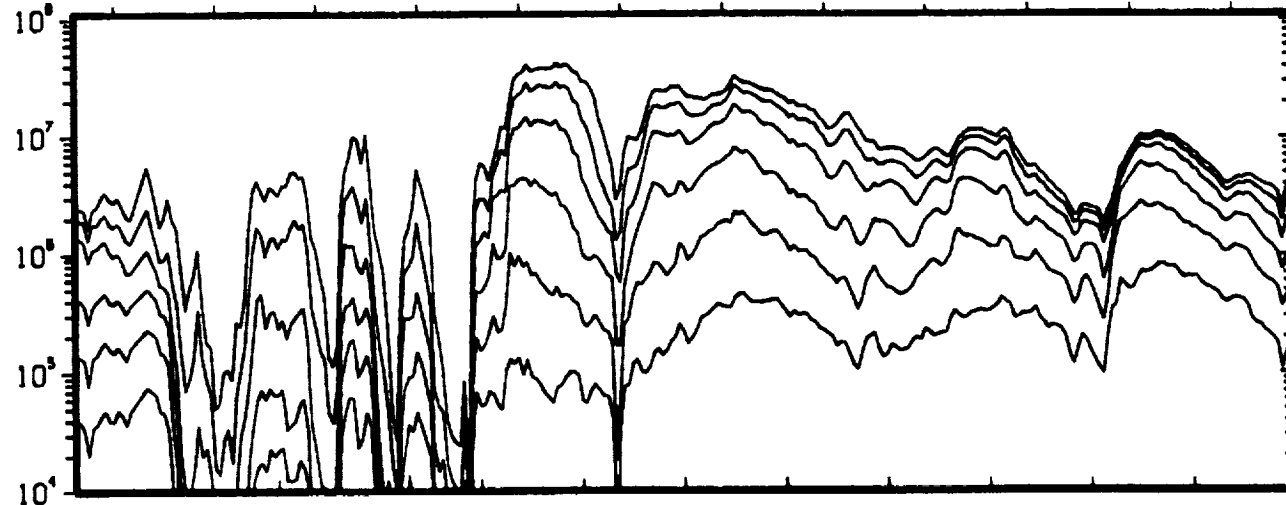
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

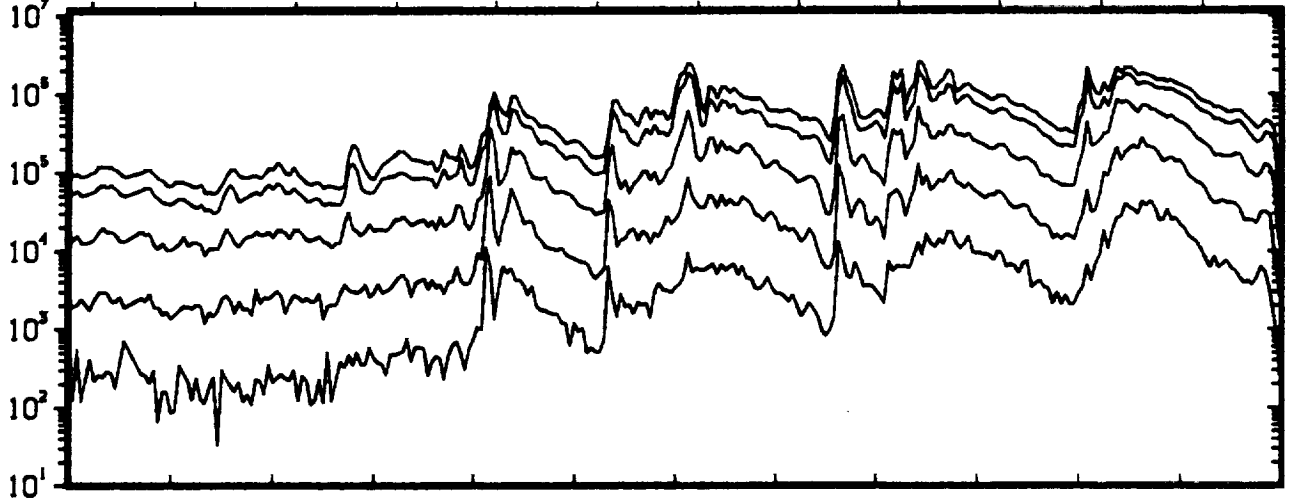


# LOW ENERGY IONS

1977-007

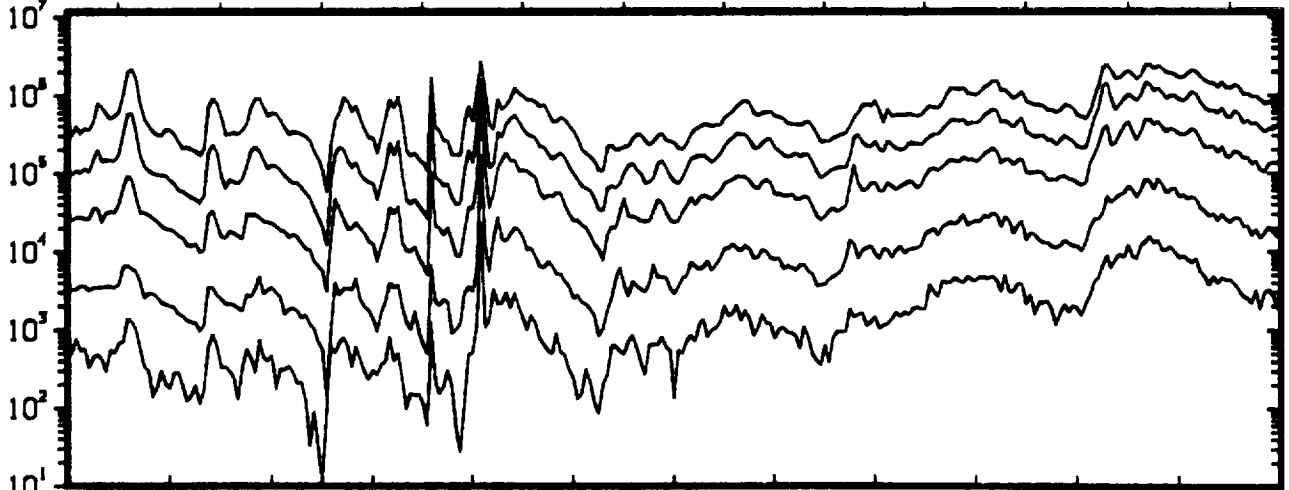
83/04/14

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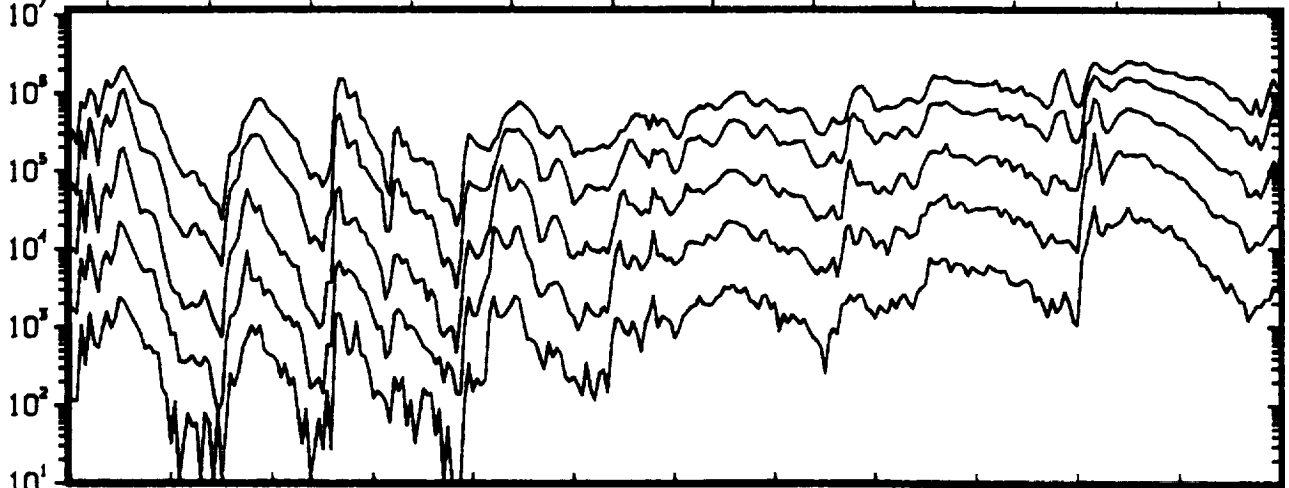
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



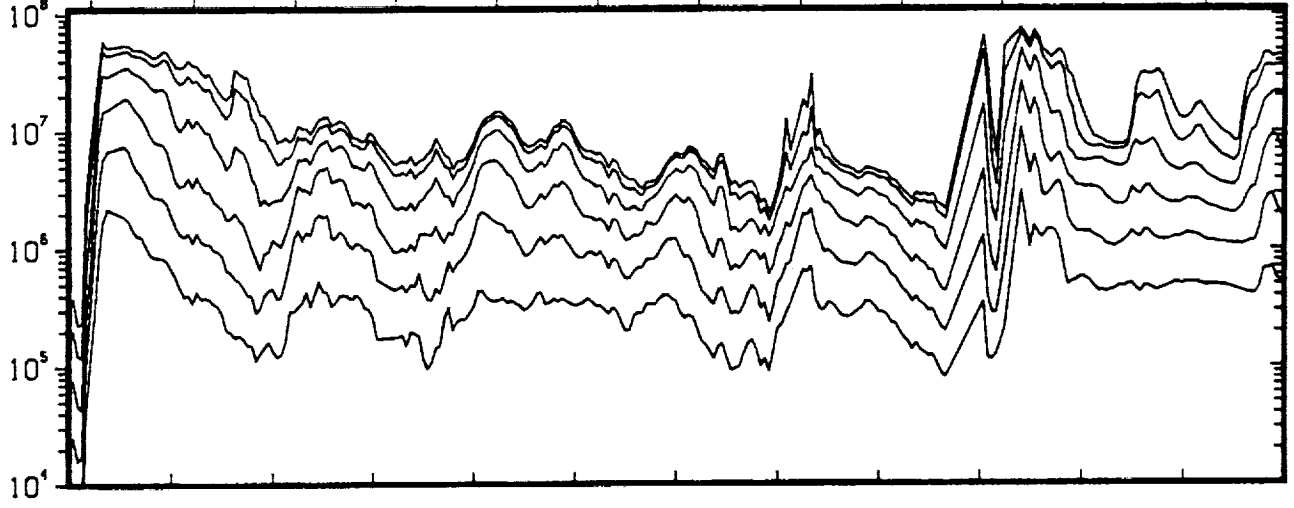
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

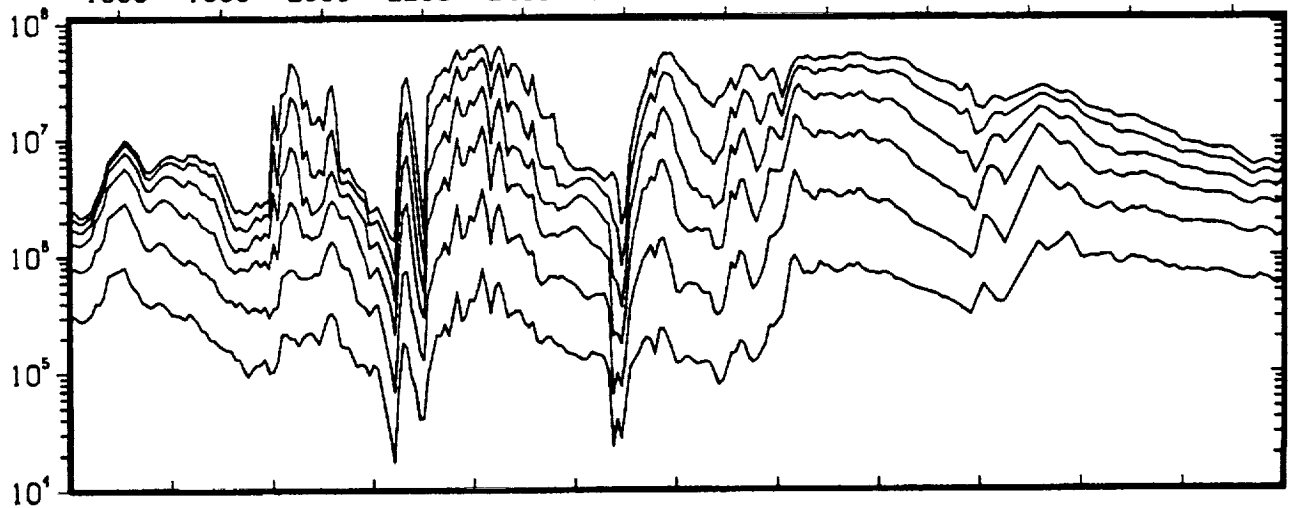
83/04/15

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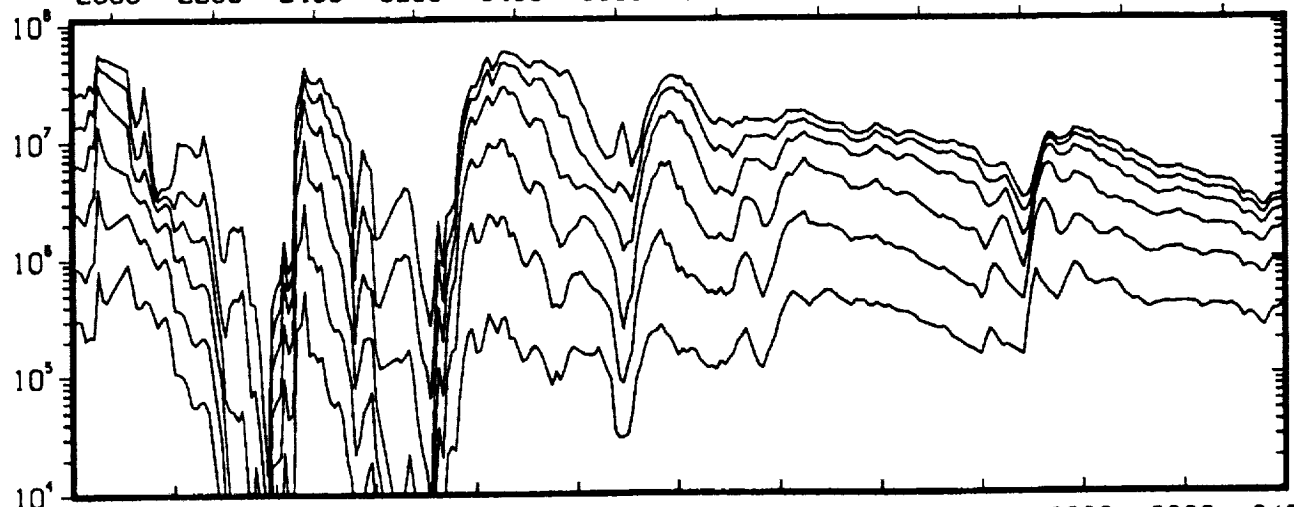
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



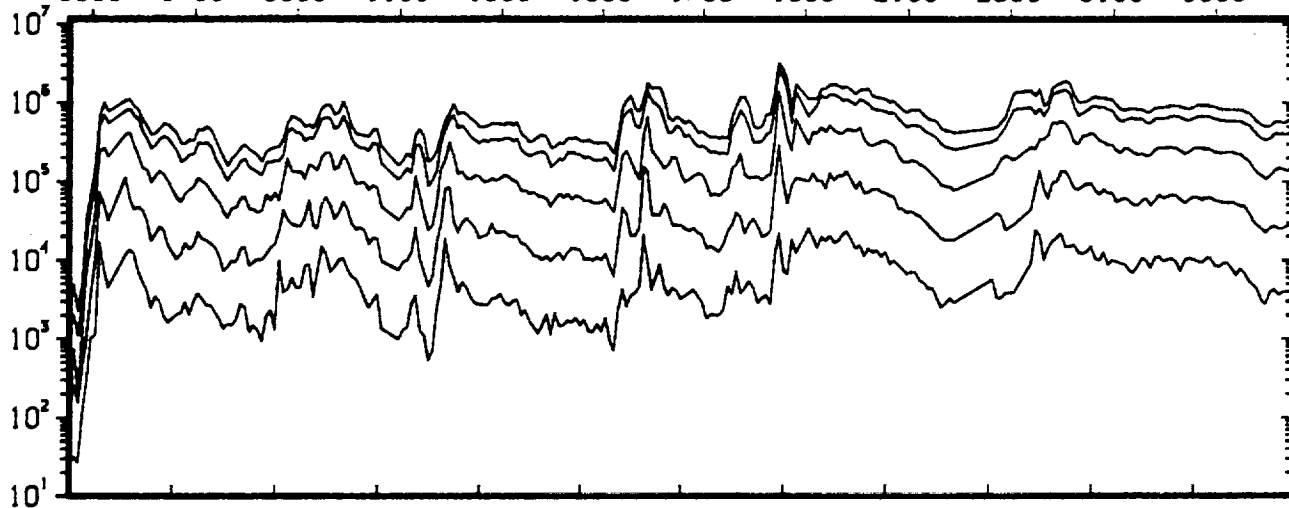
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

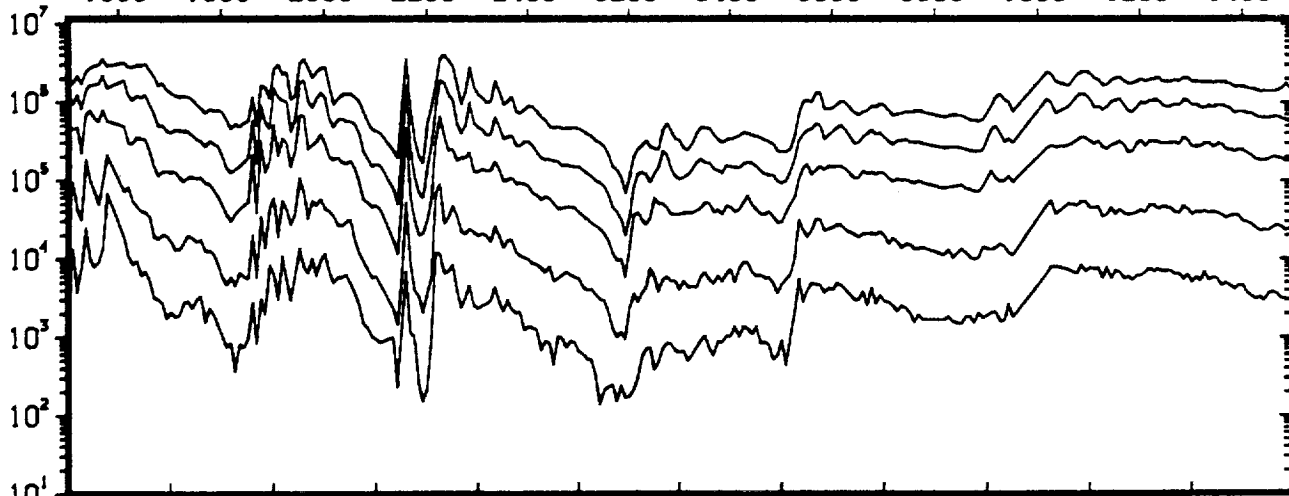
83/04/15

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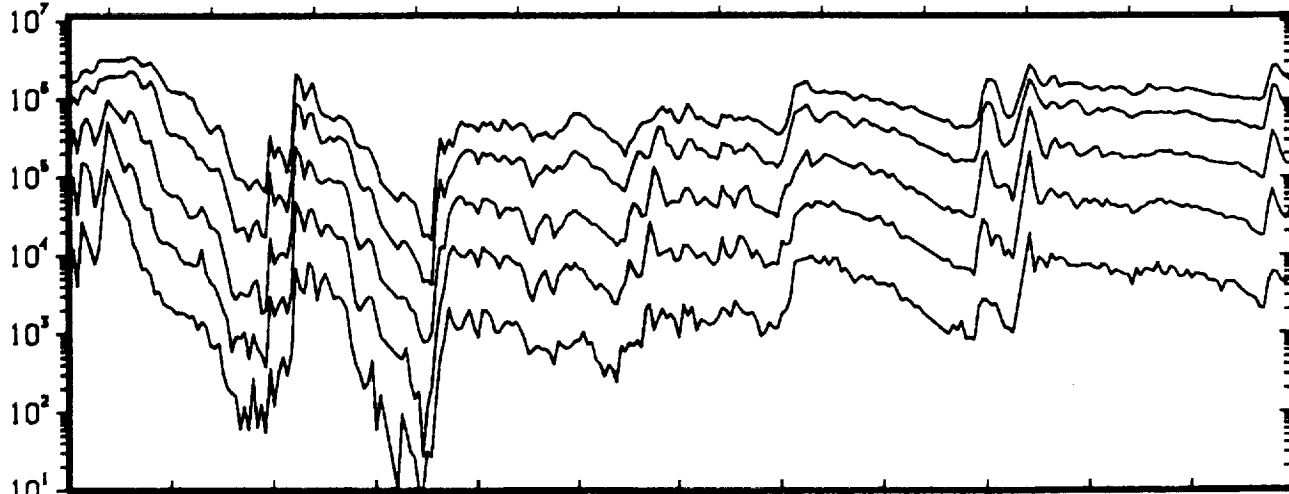
1981-025

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1982-019

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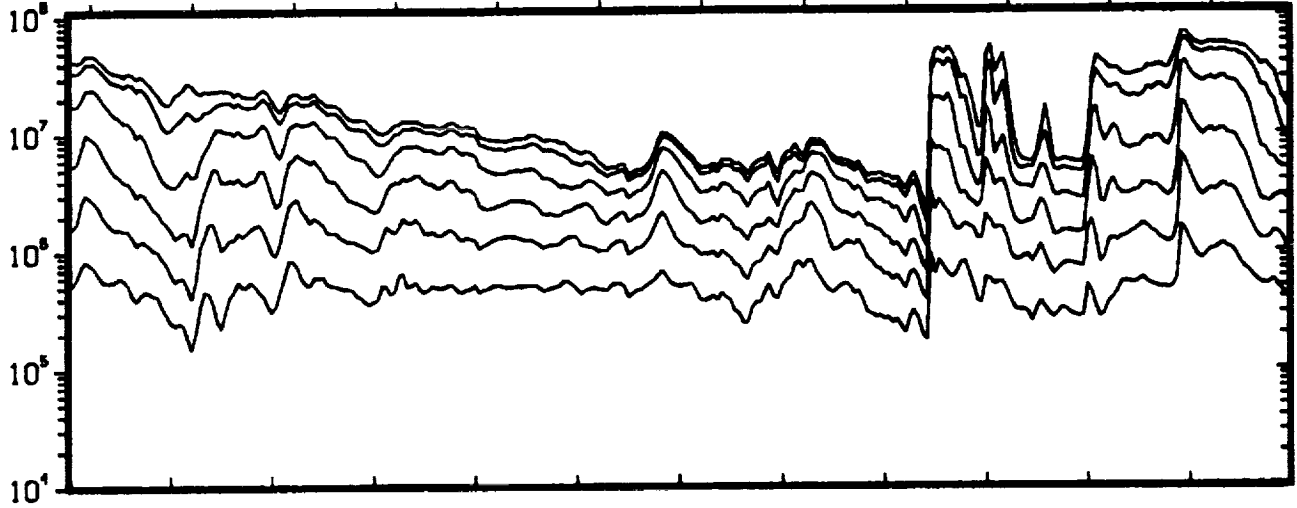
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

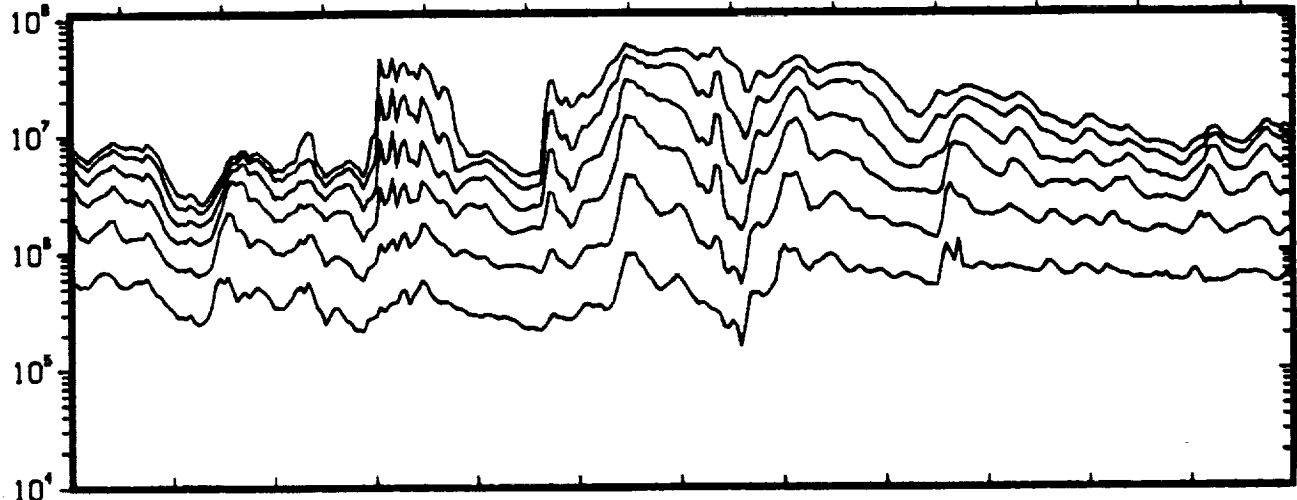
83/04/16

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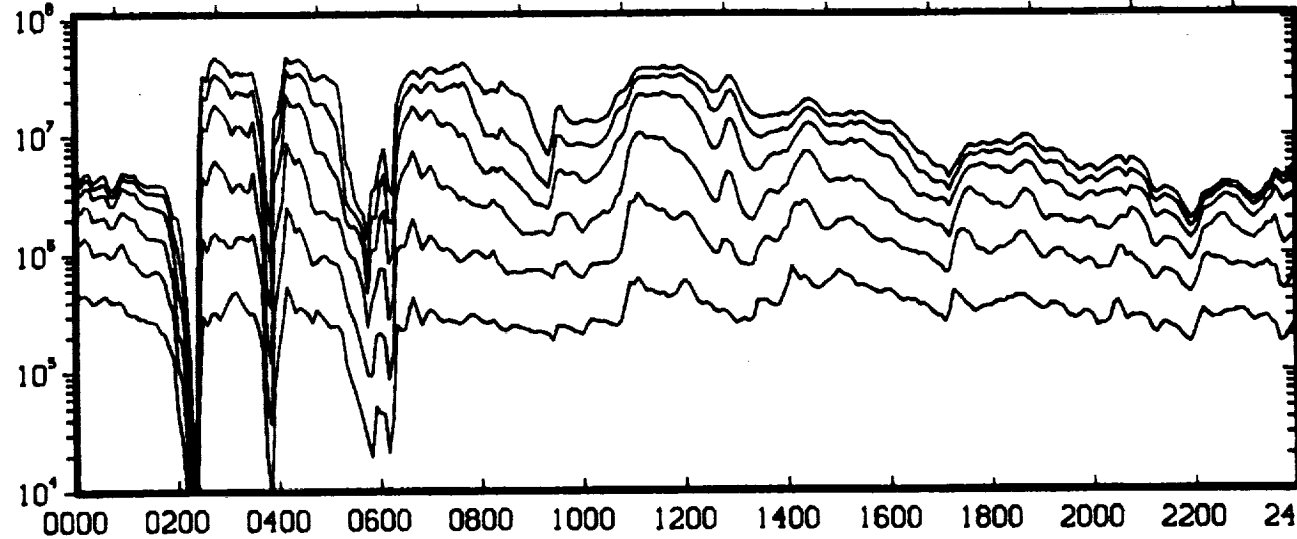
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



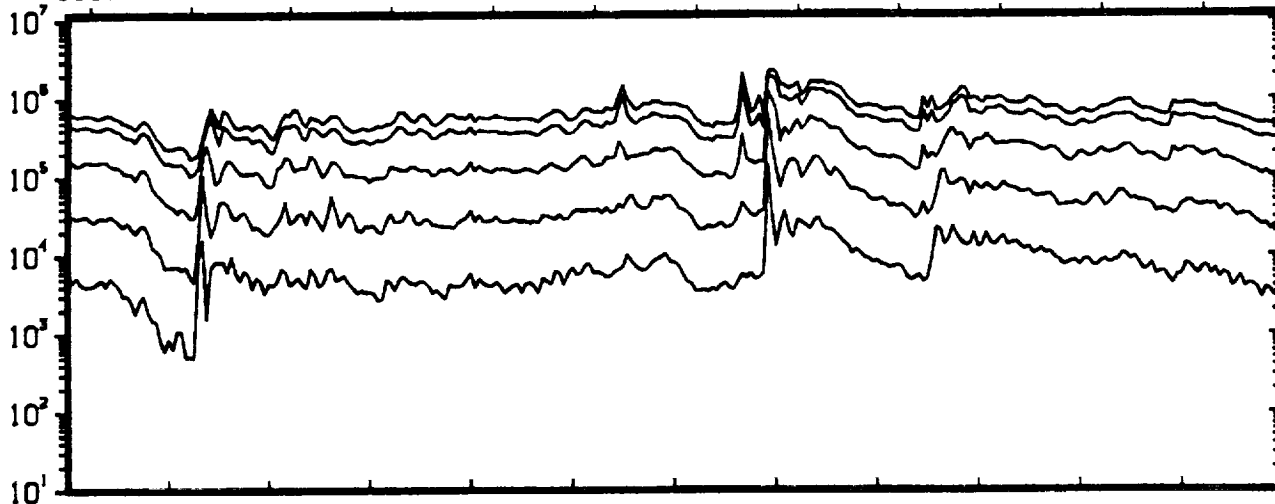
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

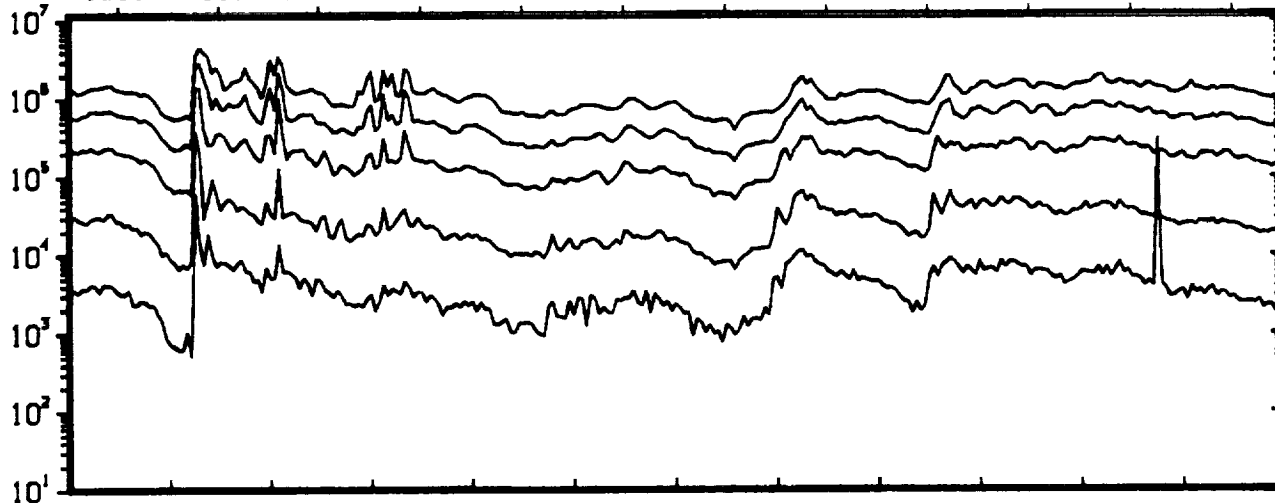
83/04/16

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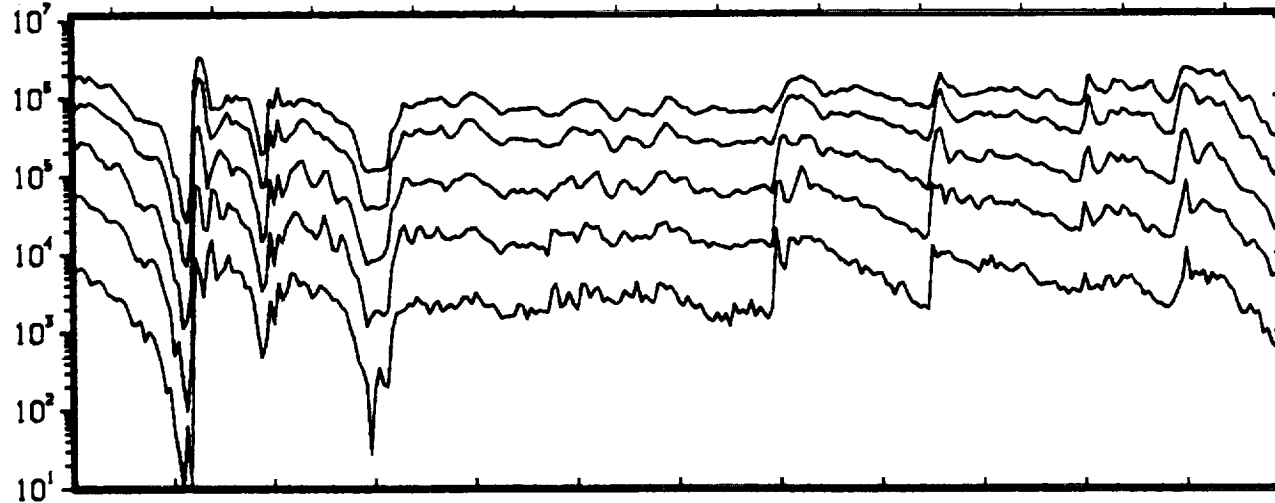
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



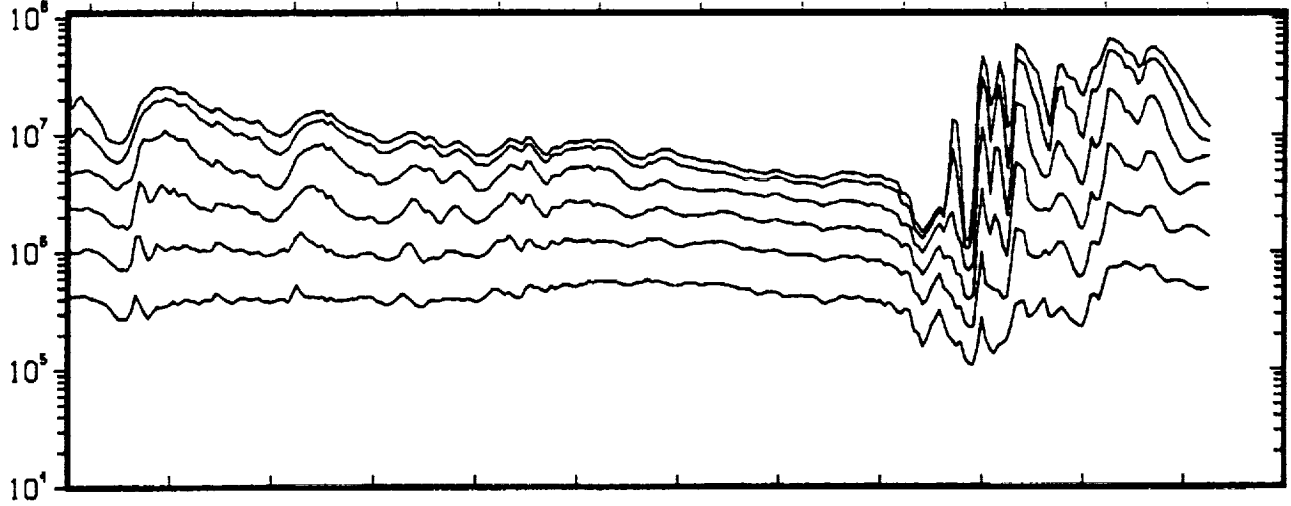
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

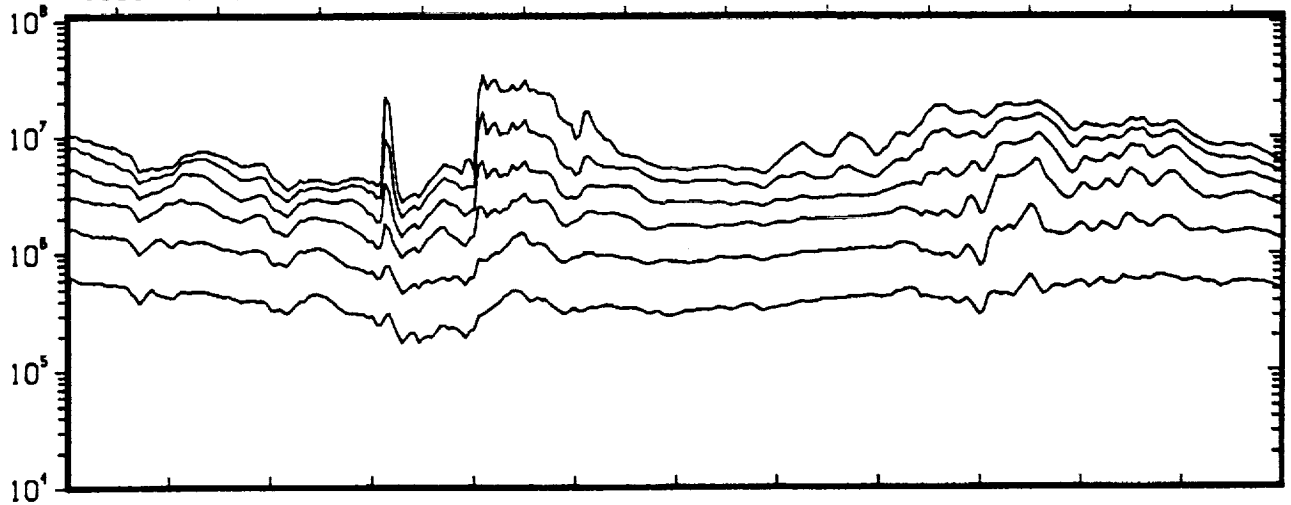
83/04/17

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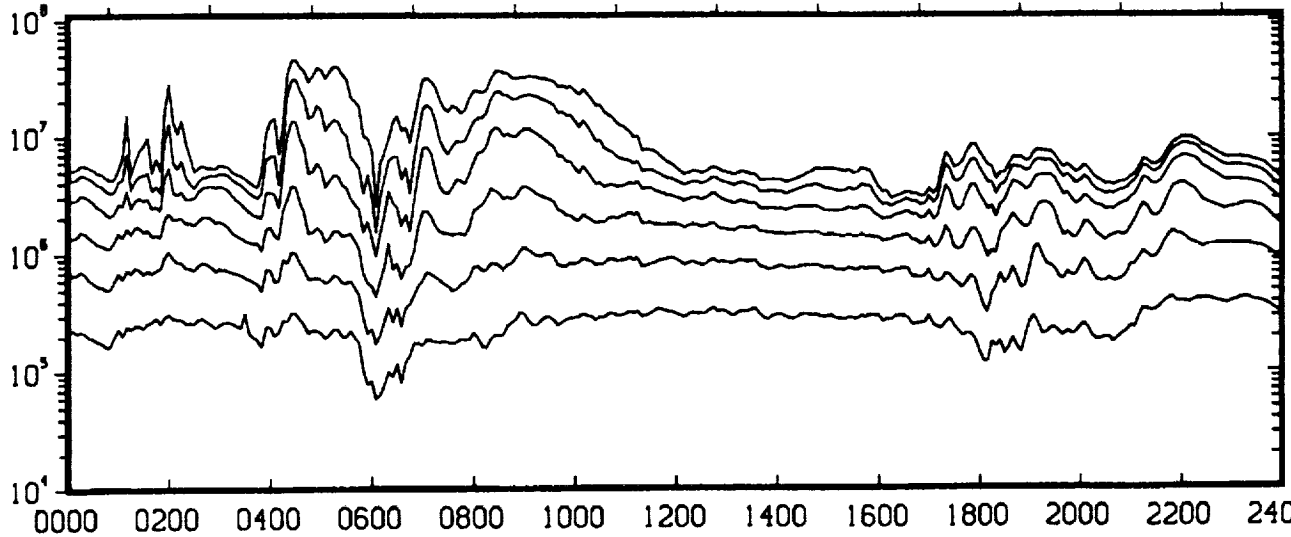
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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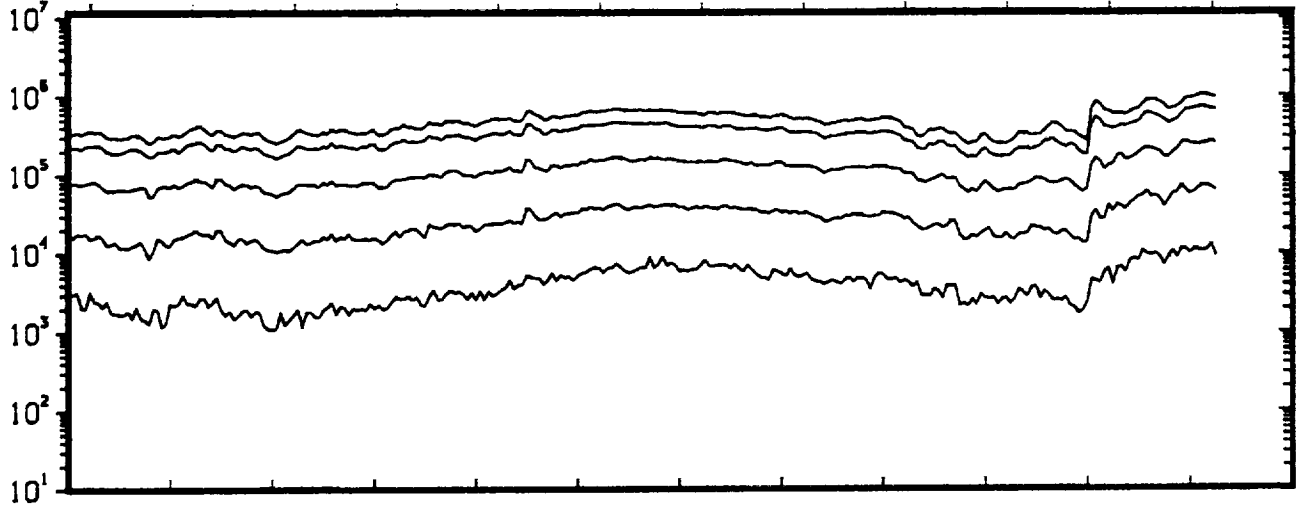
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

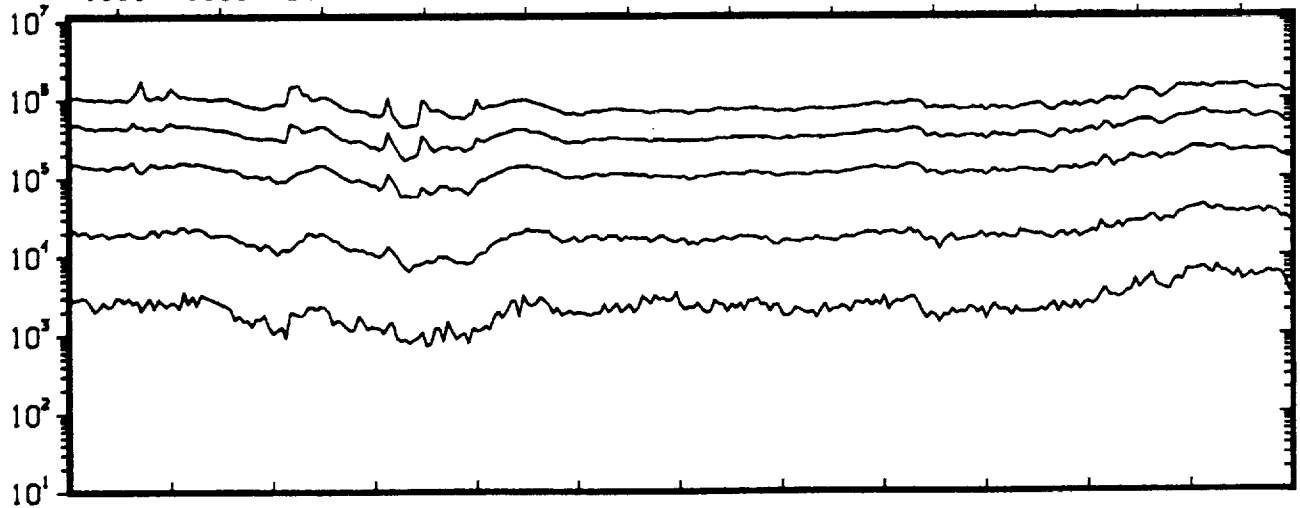
83/04/17

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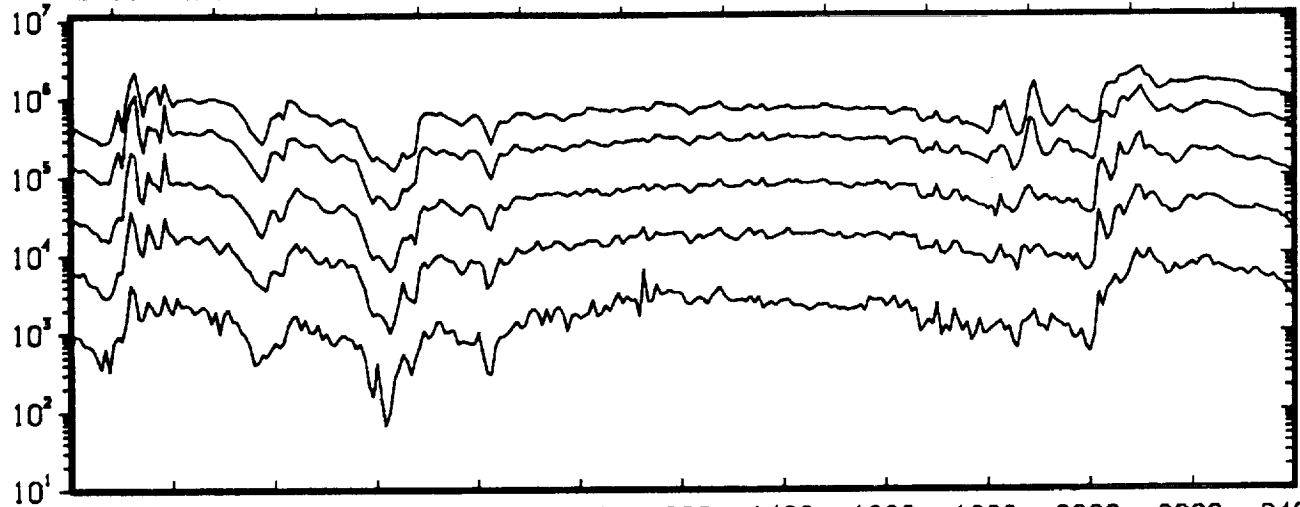
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1982-019

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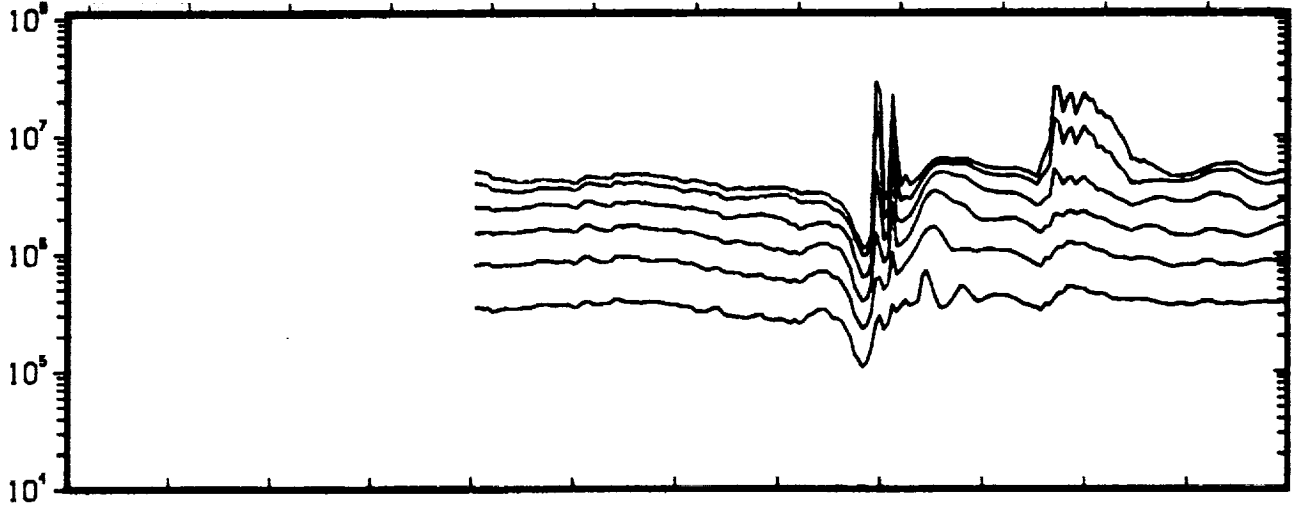
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

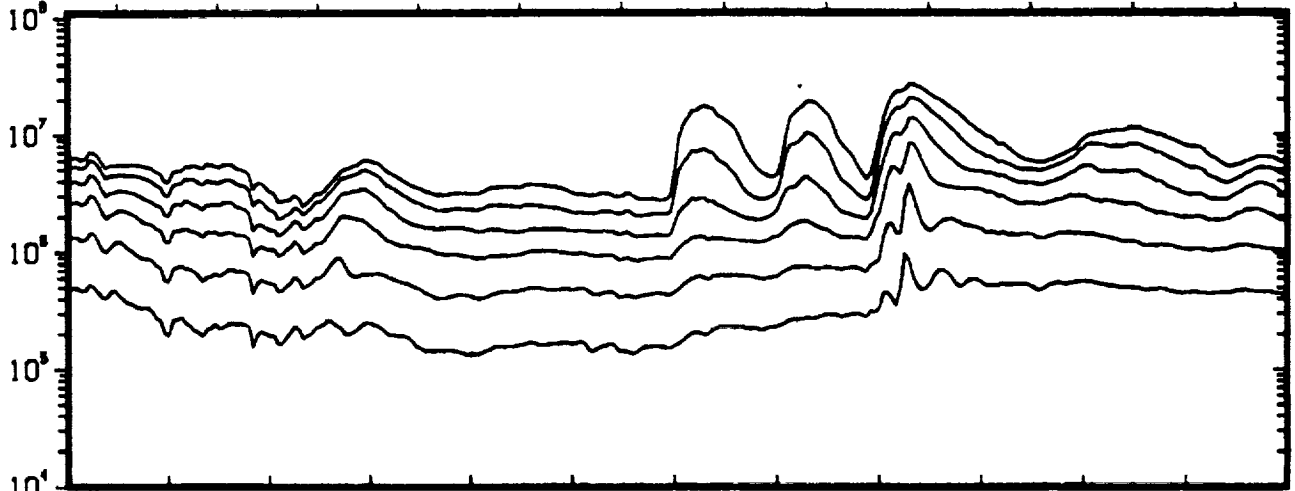
83/04/18

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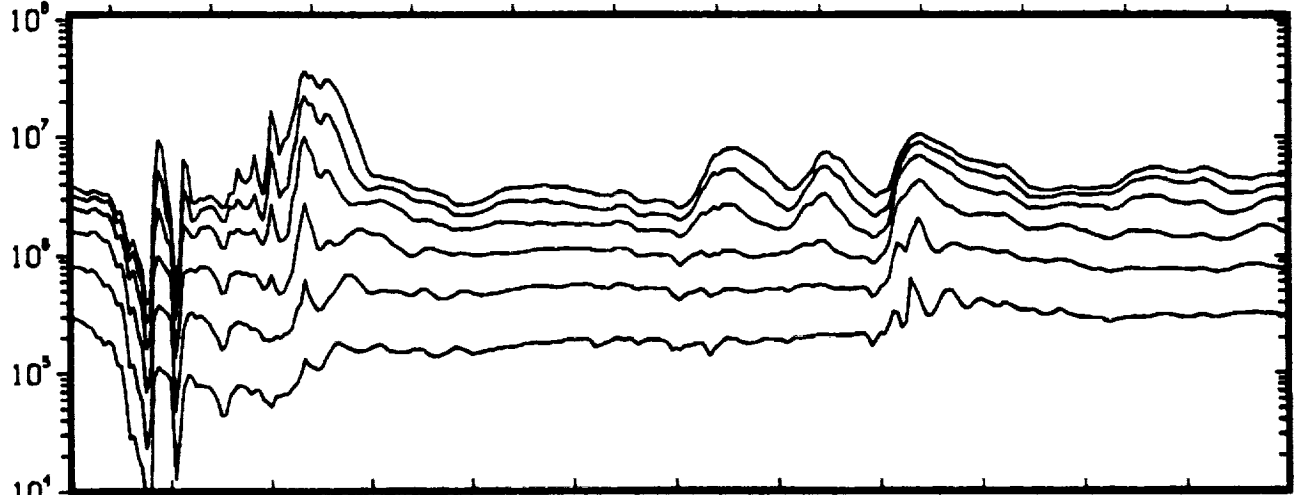
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

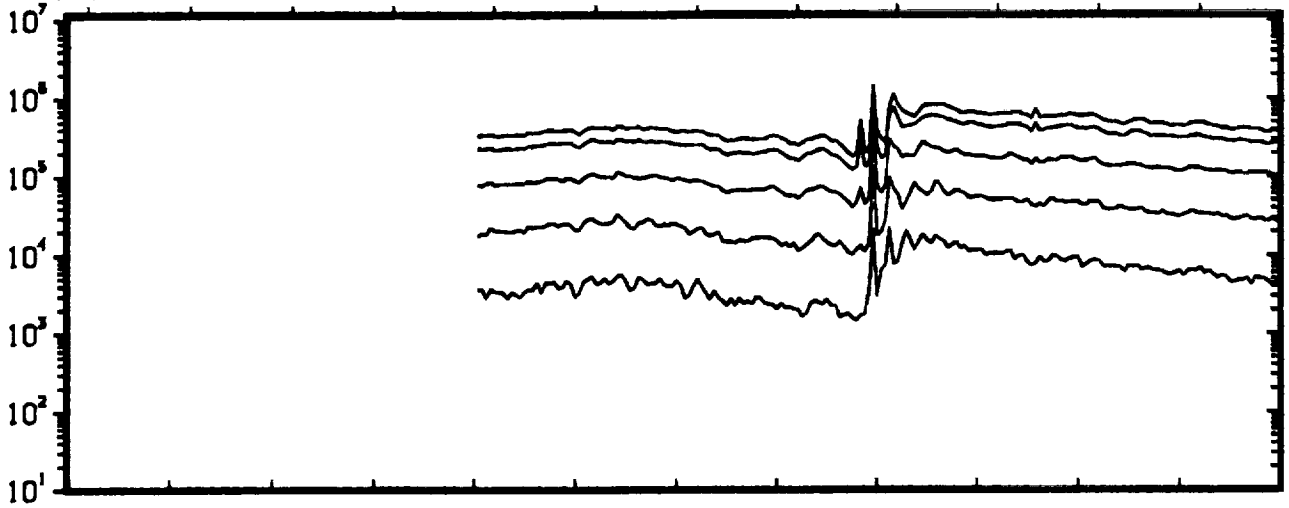


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



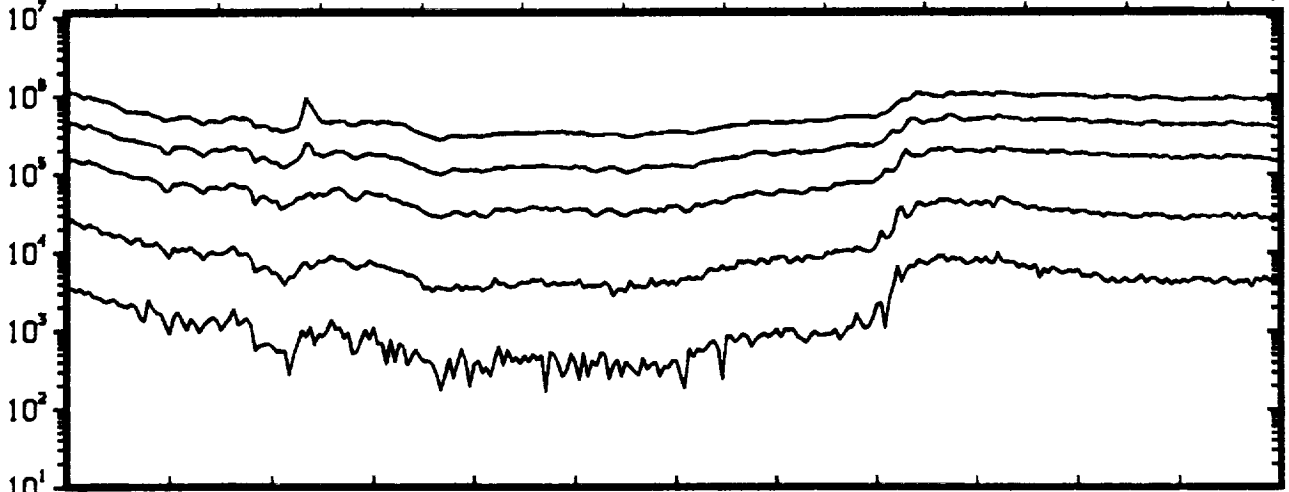
# LOW ENERGY IONS

1977-007 83/04/18  
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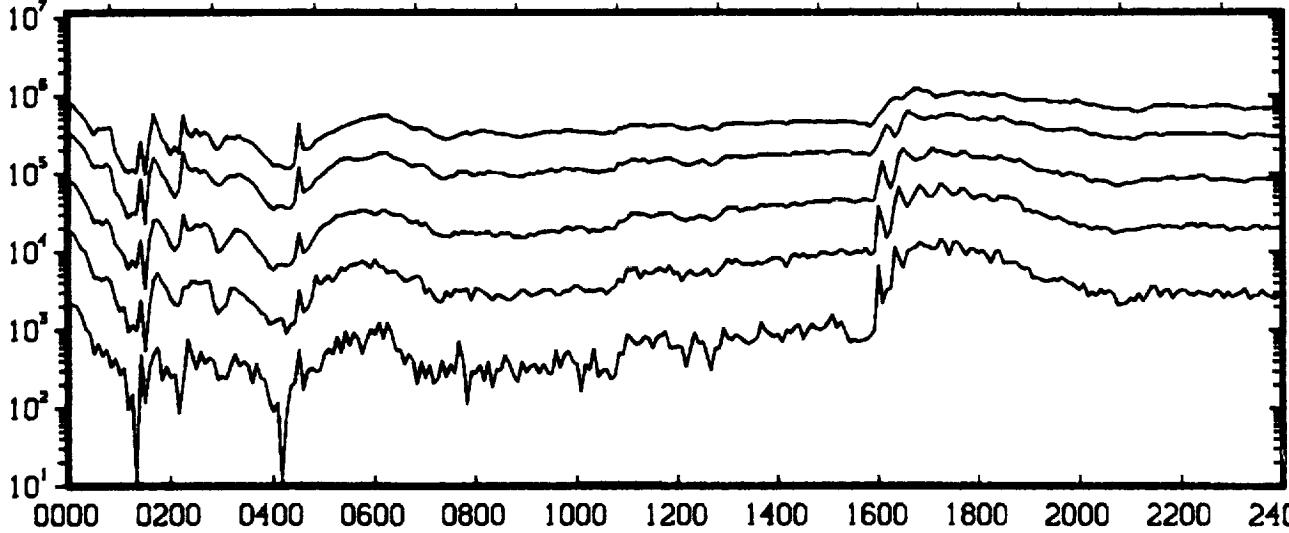


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

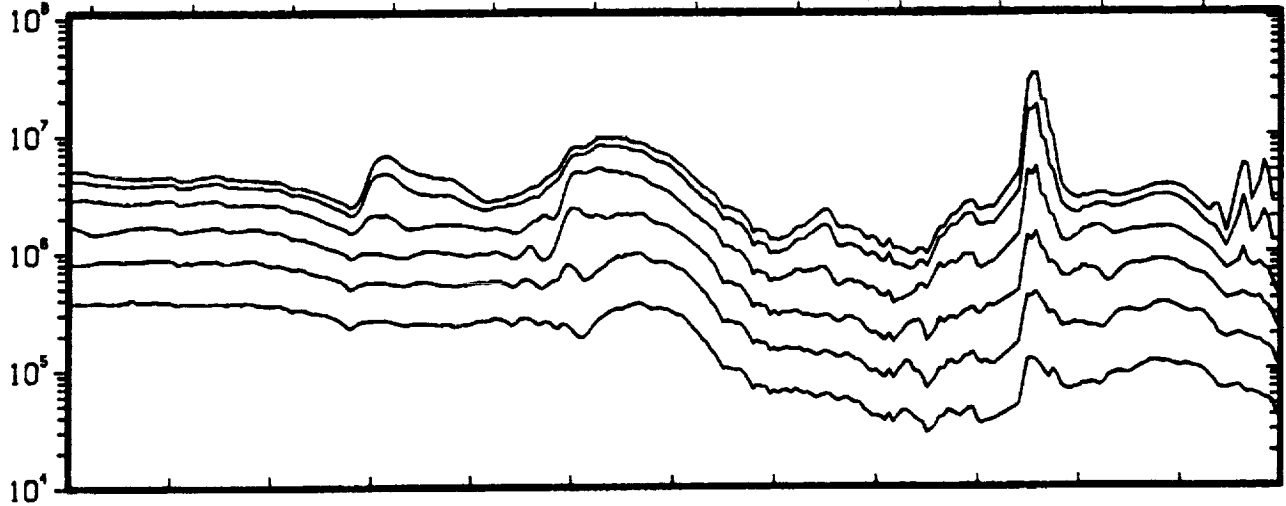


# LOW ENERGY ELECTRONS

1977-007

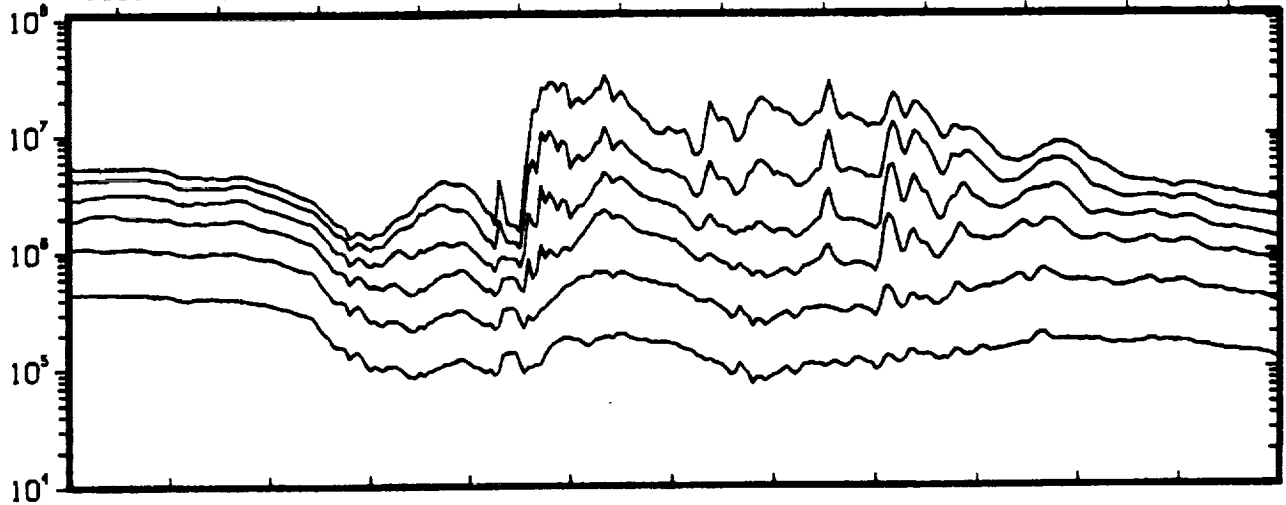
83/04/19

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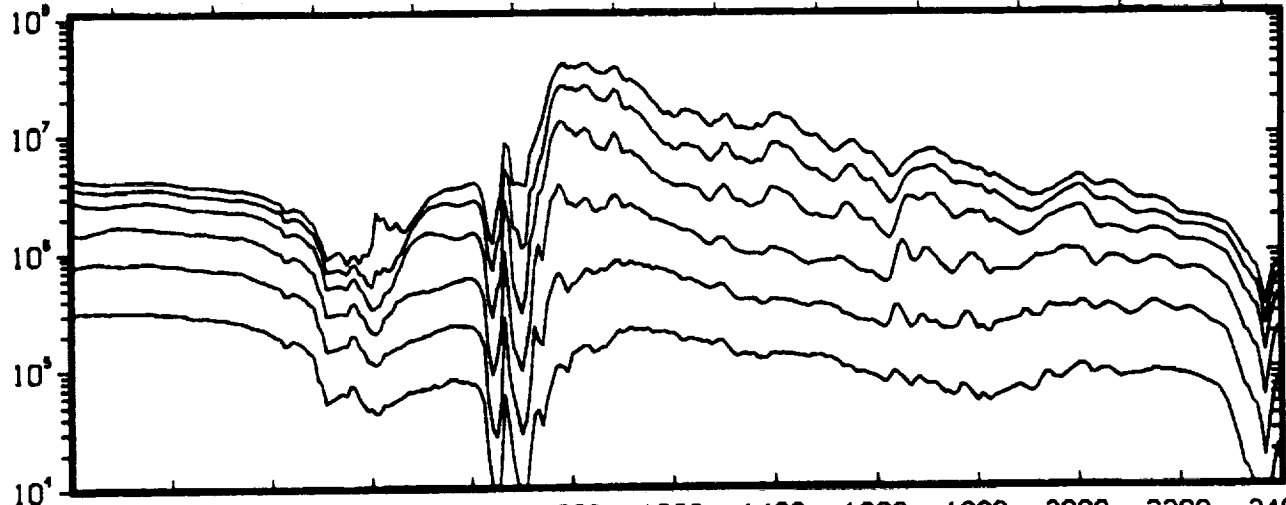
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



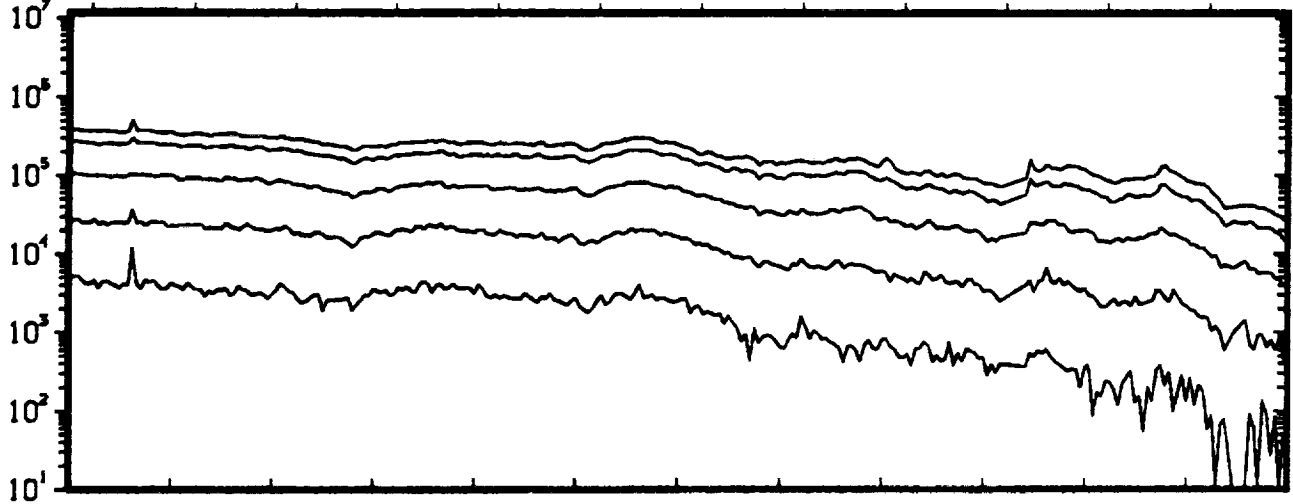
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

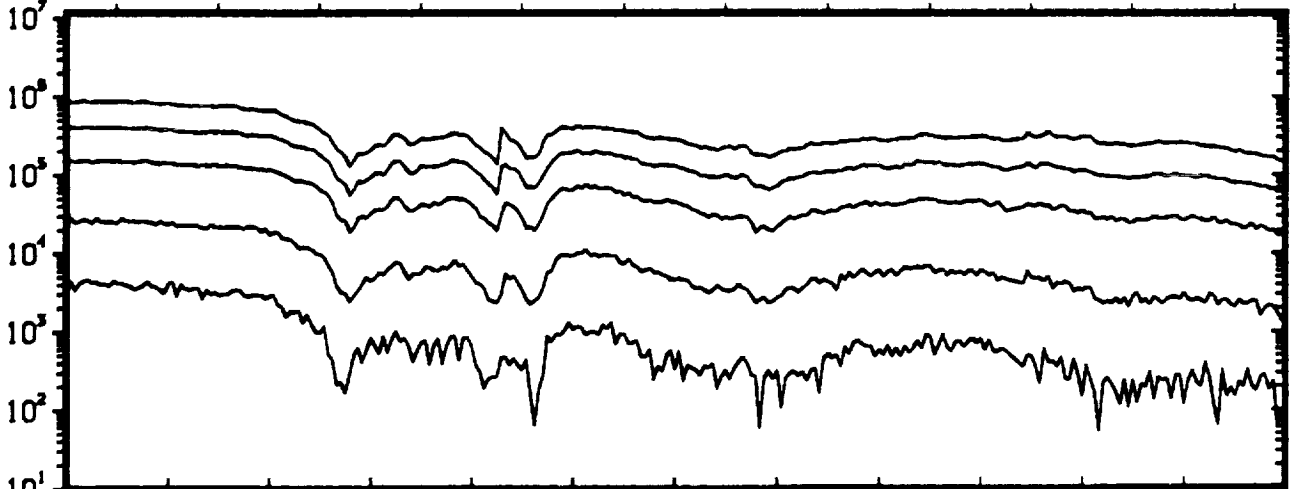
83/04/19

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



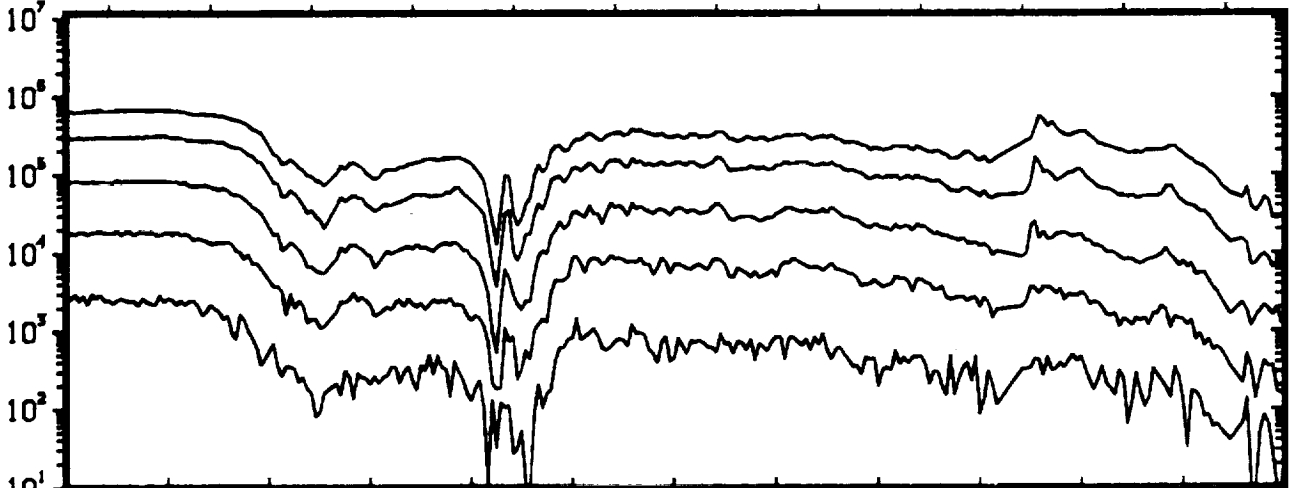
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



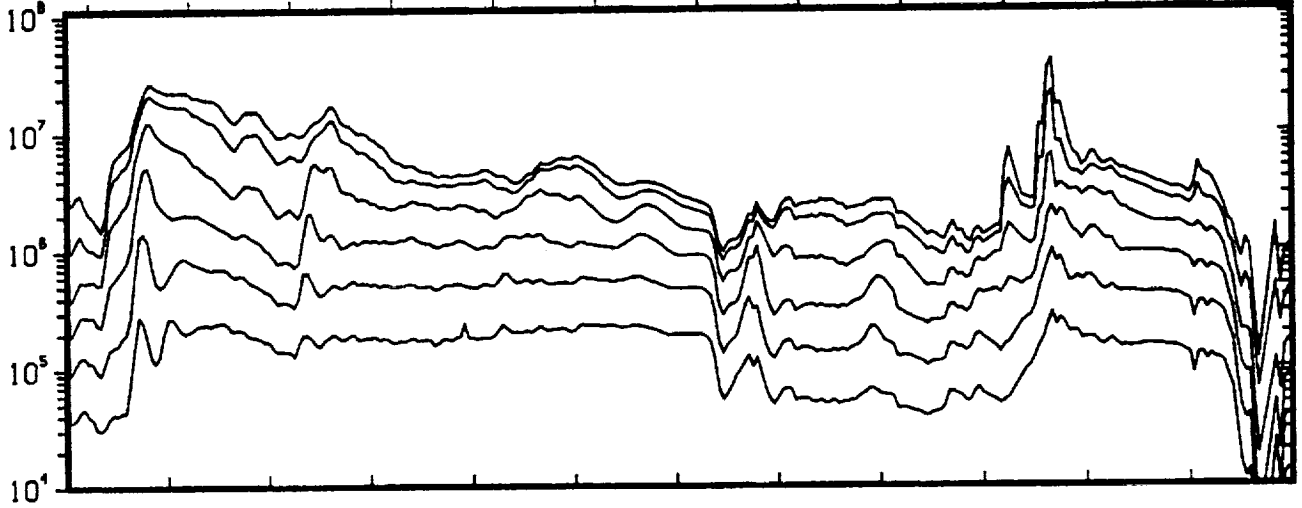
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

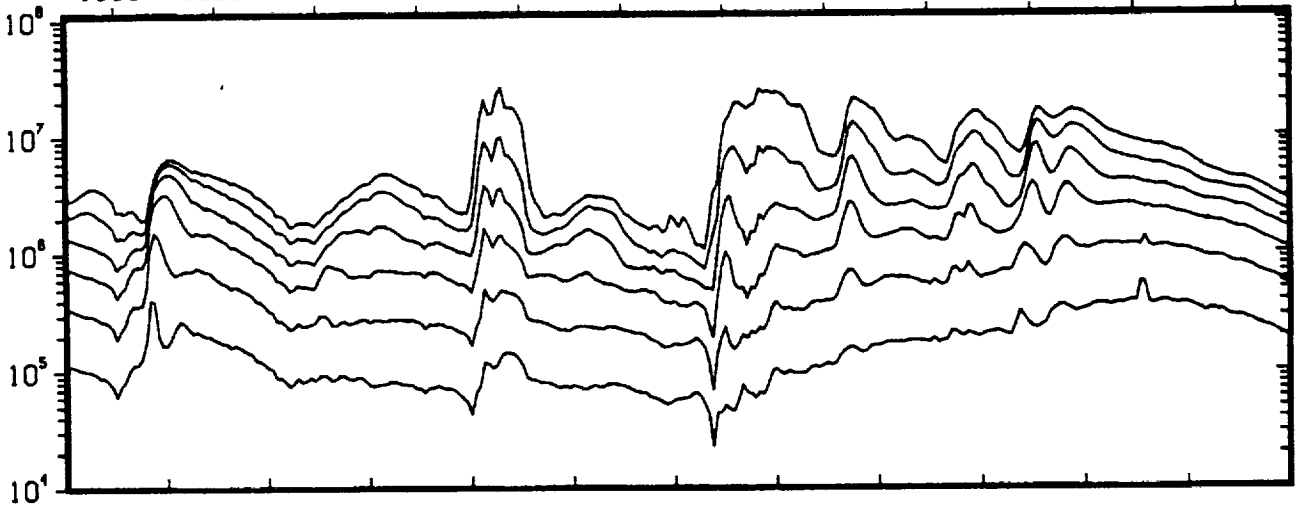
83/04/20

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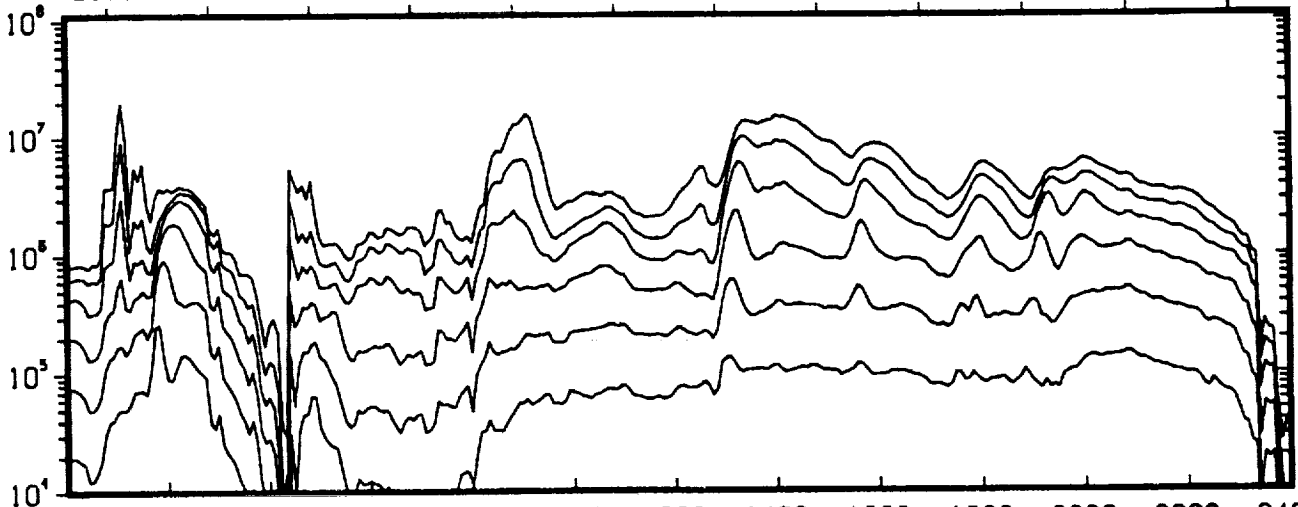
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



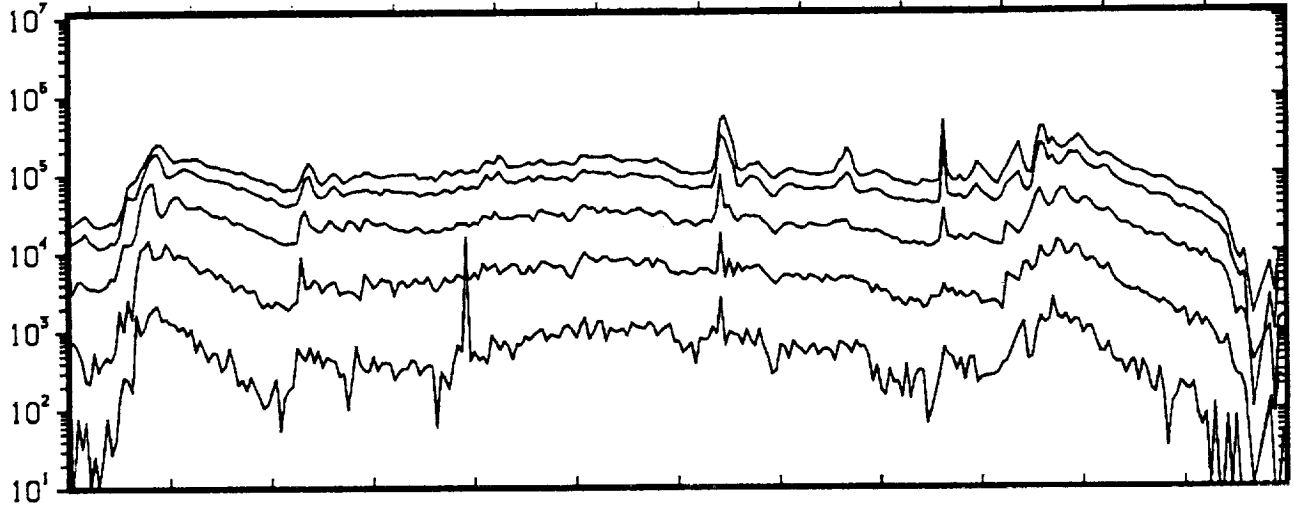
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

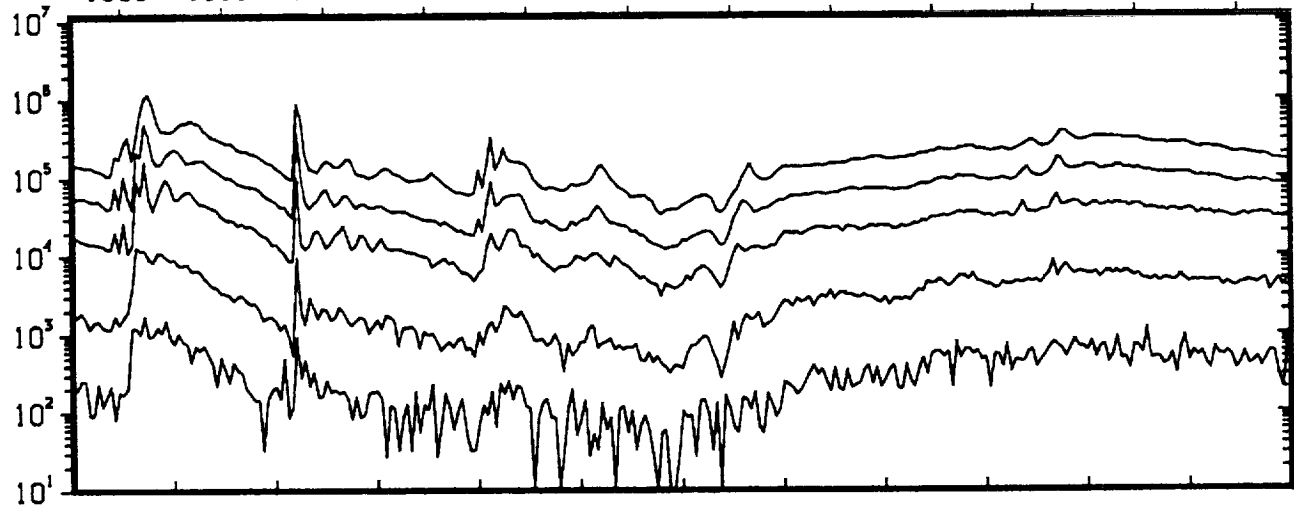
83/04/20

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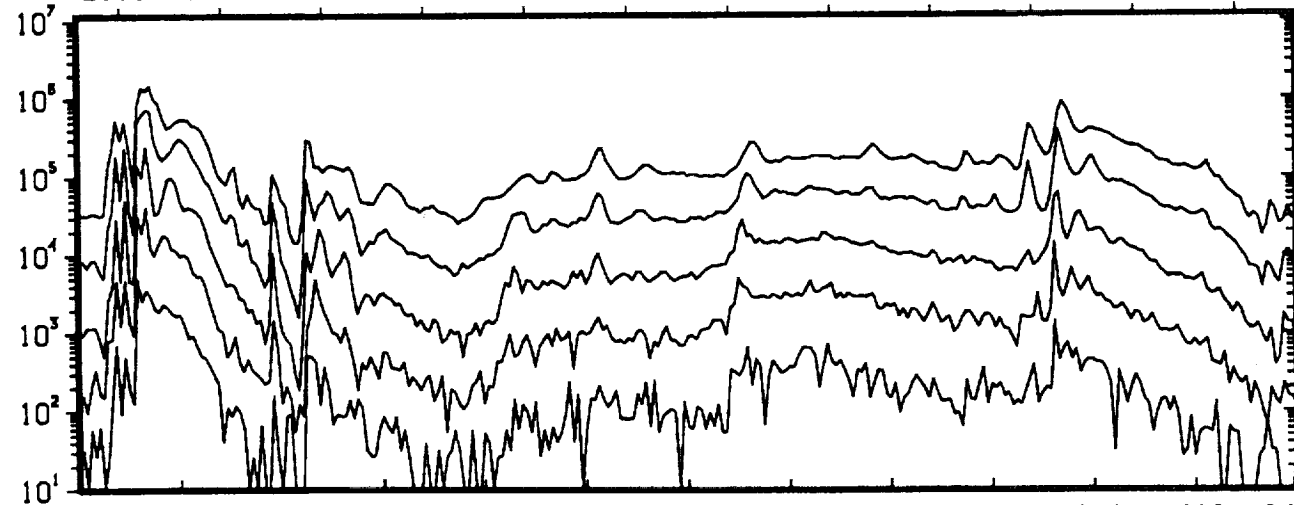
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



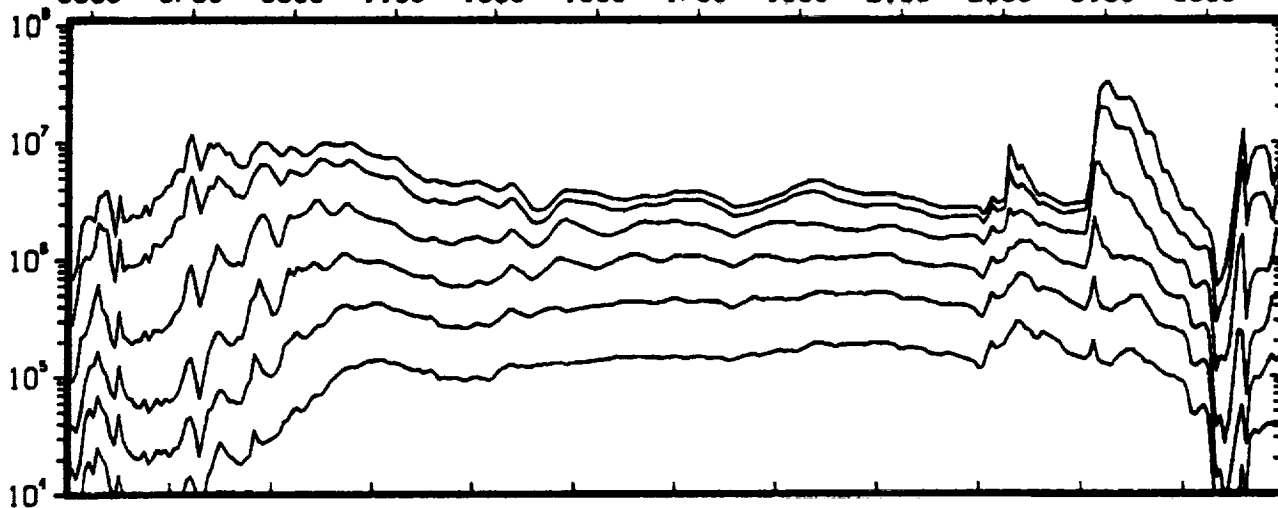
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

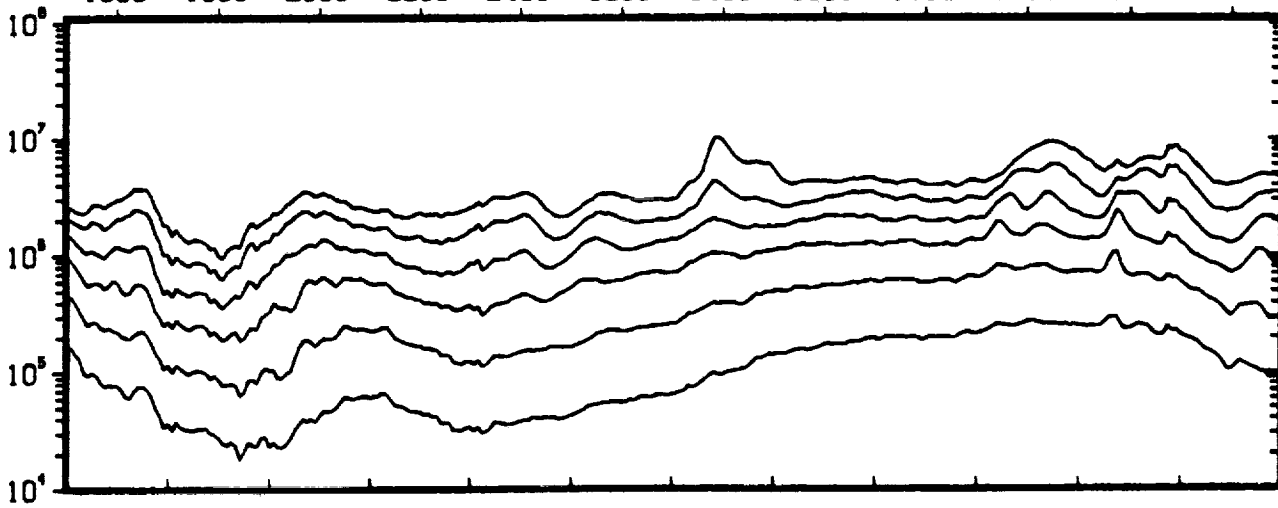
83/04/21

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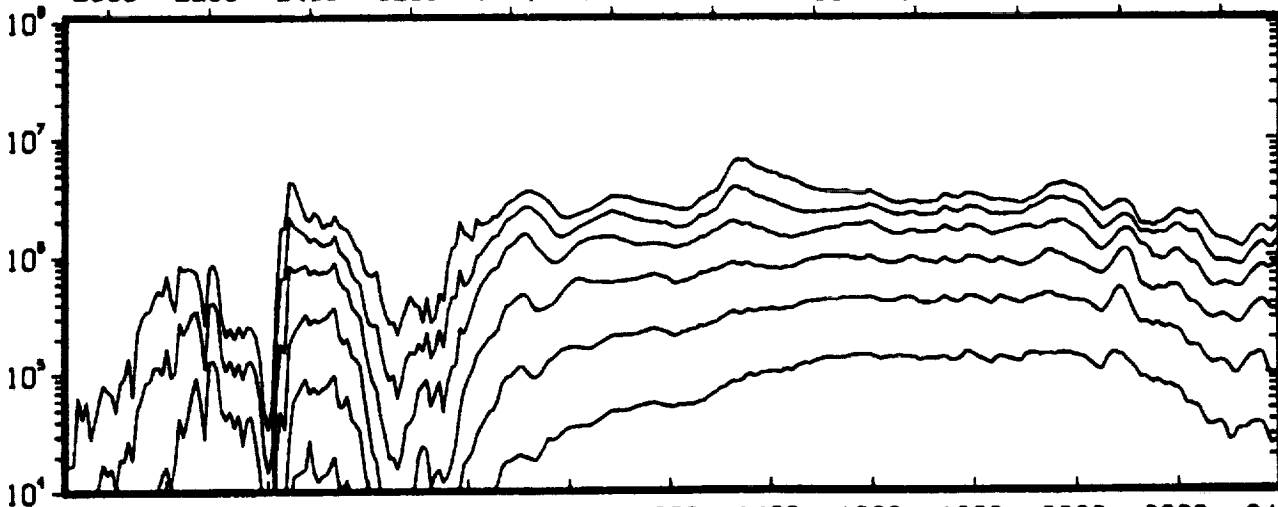
1981-025

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1982-019

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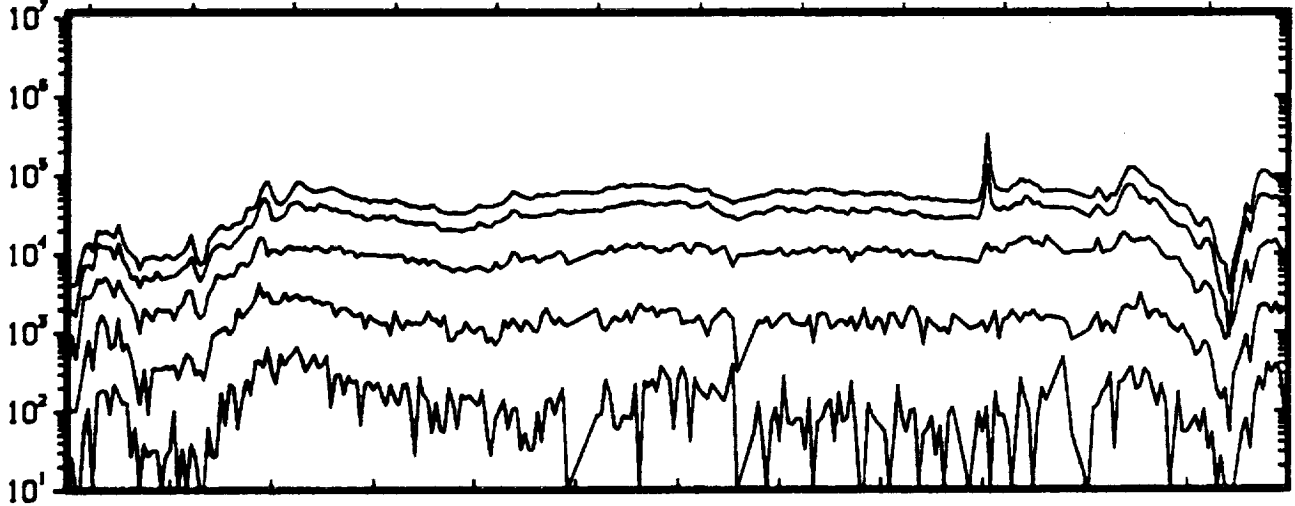
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

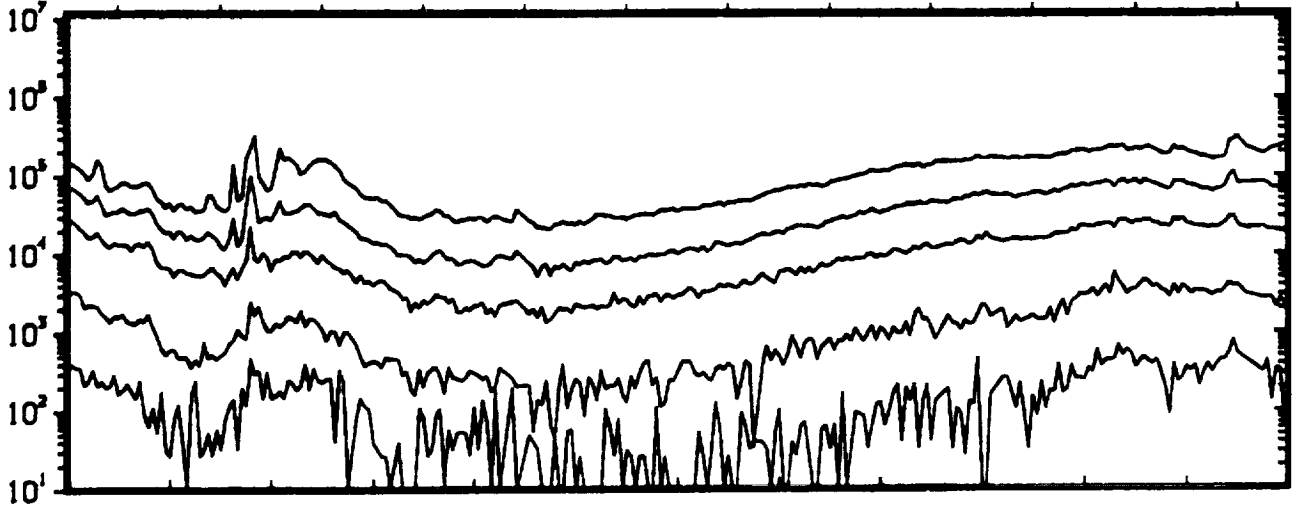
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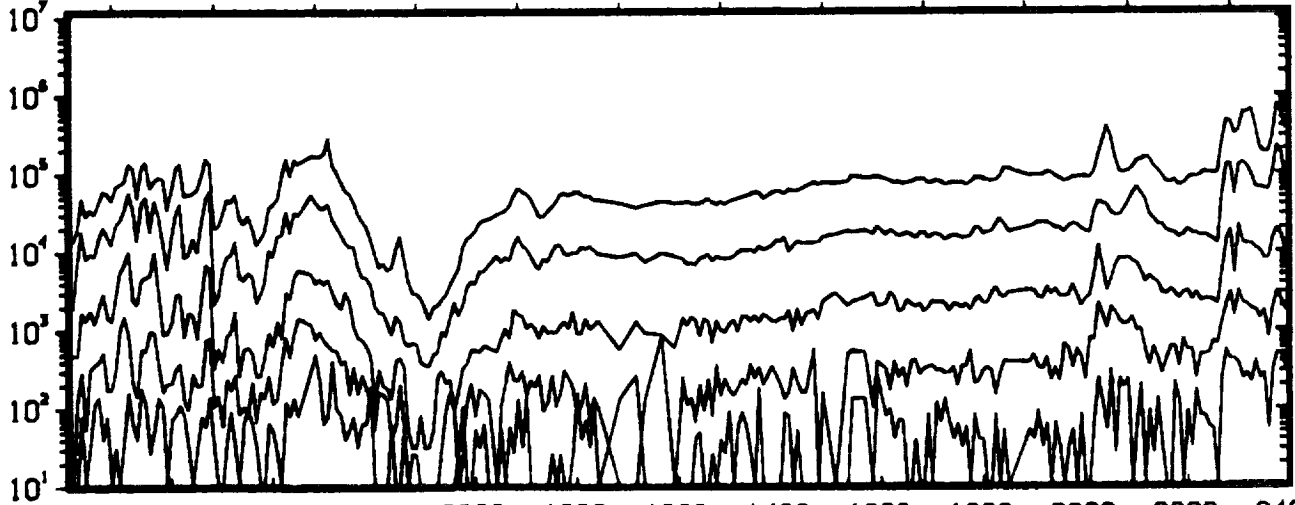
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



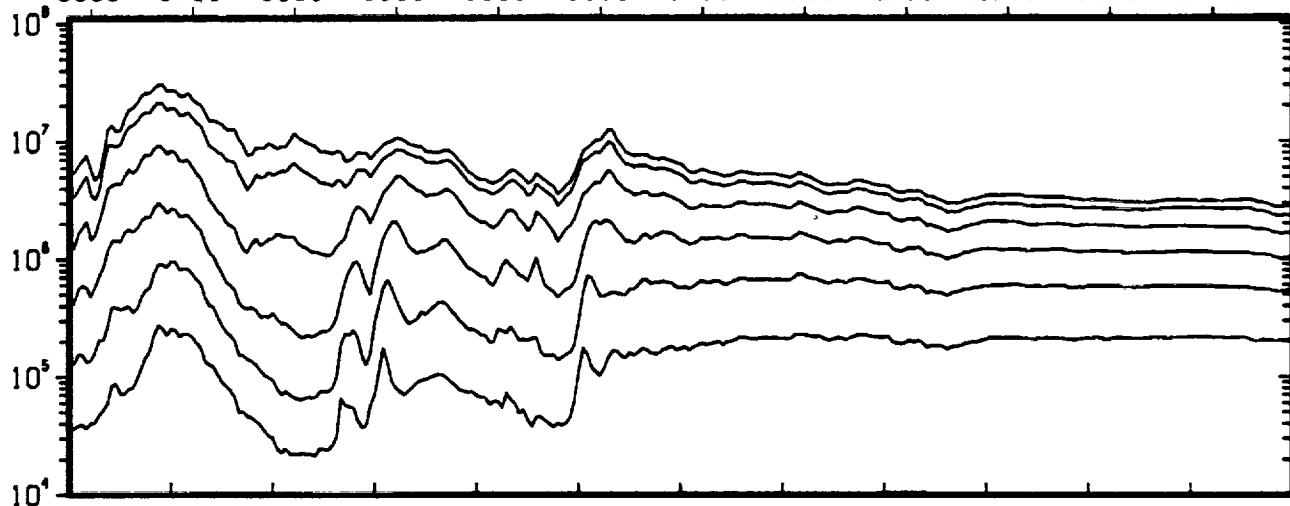
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

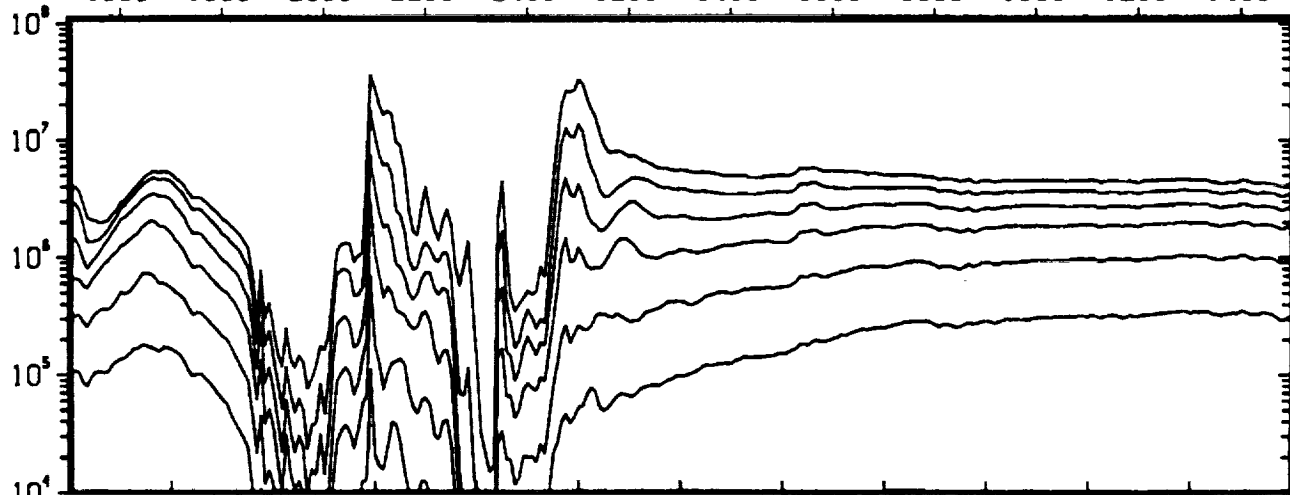
83/04/22

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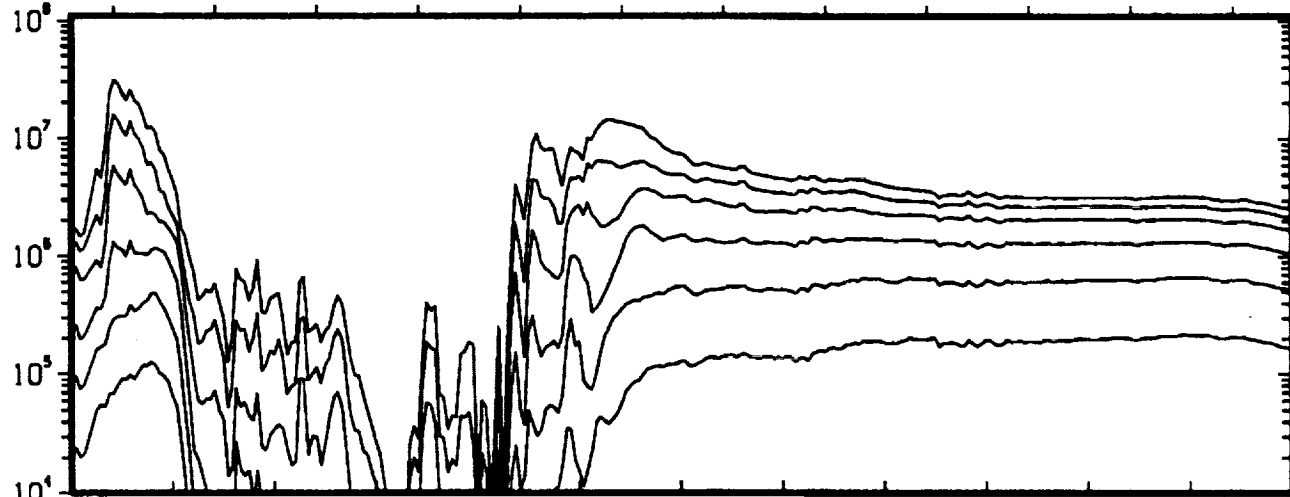
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

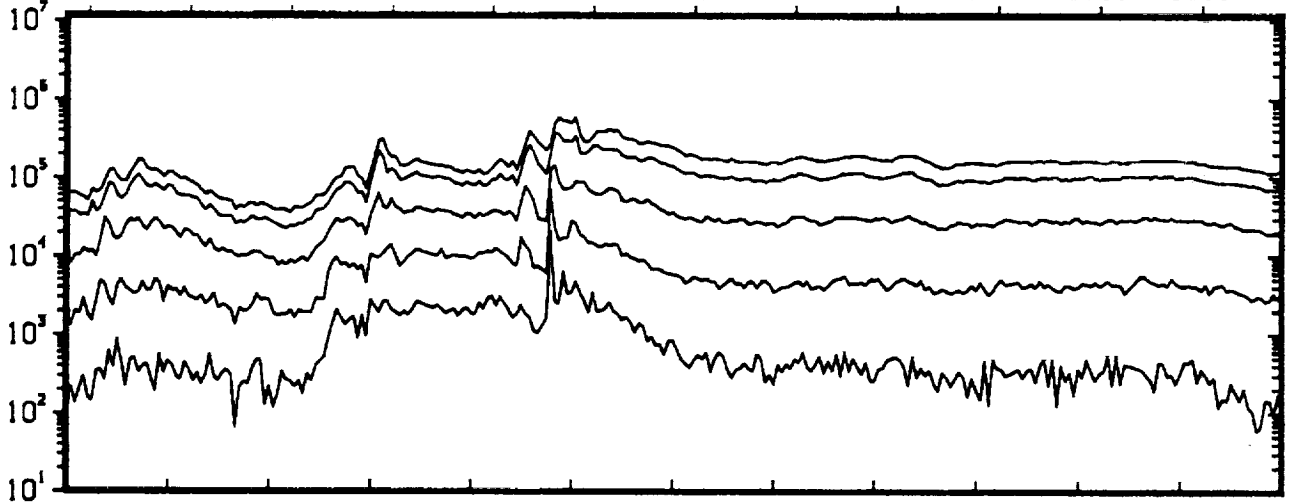


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



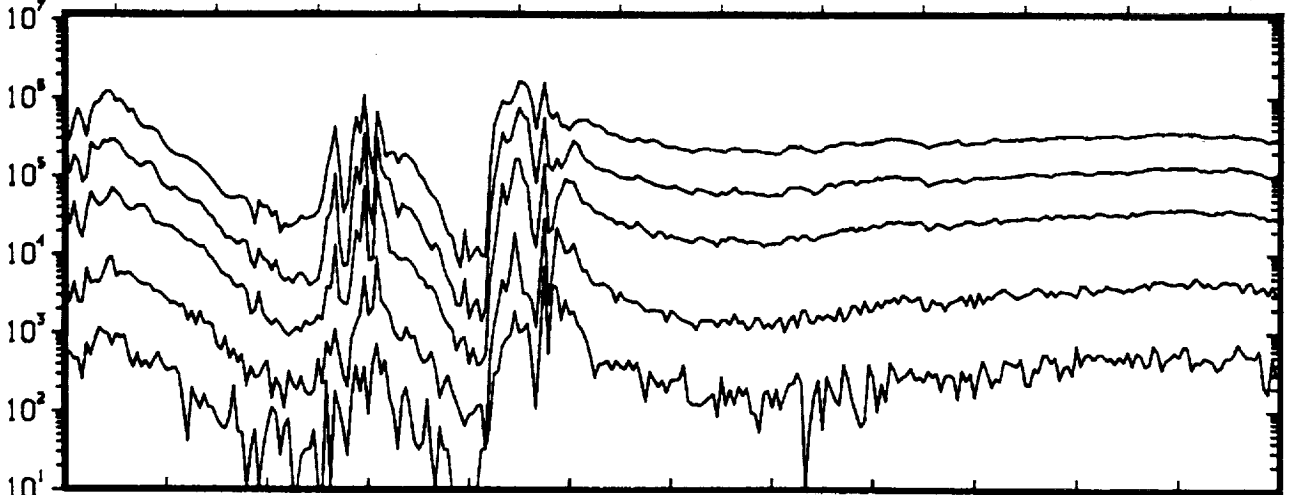
# LOW ENERGY IONS

1977-007 83/04/22  
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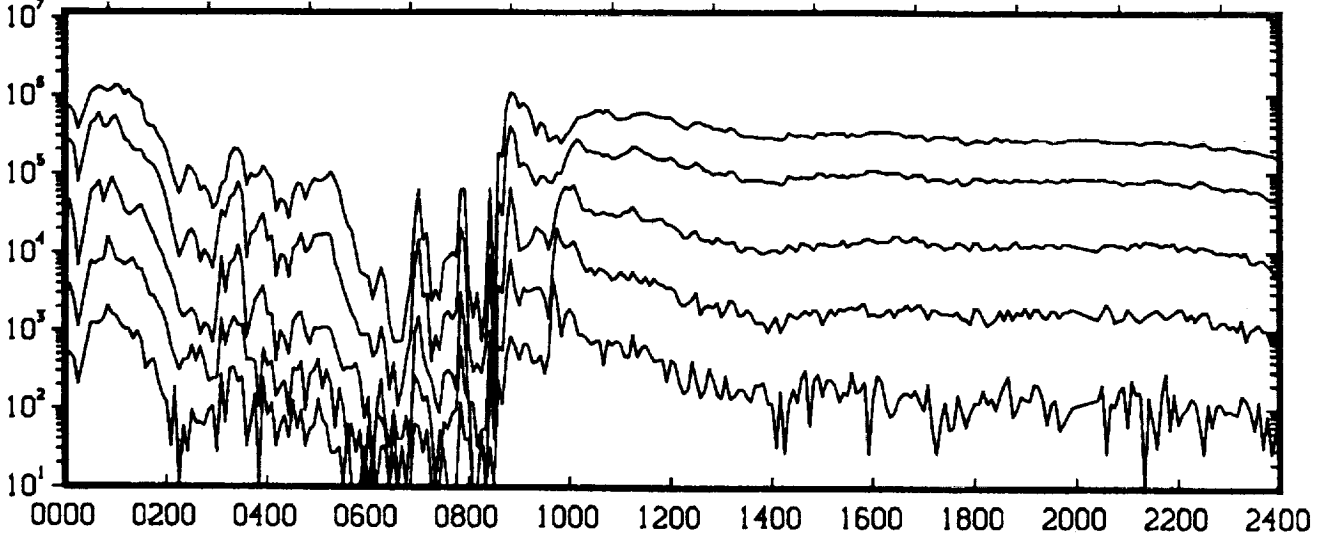


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

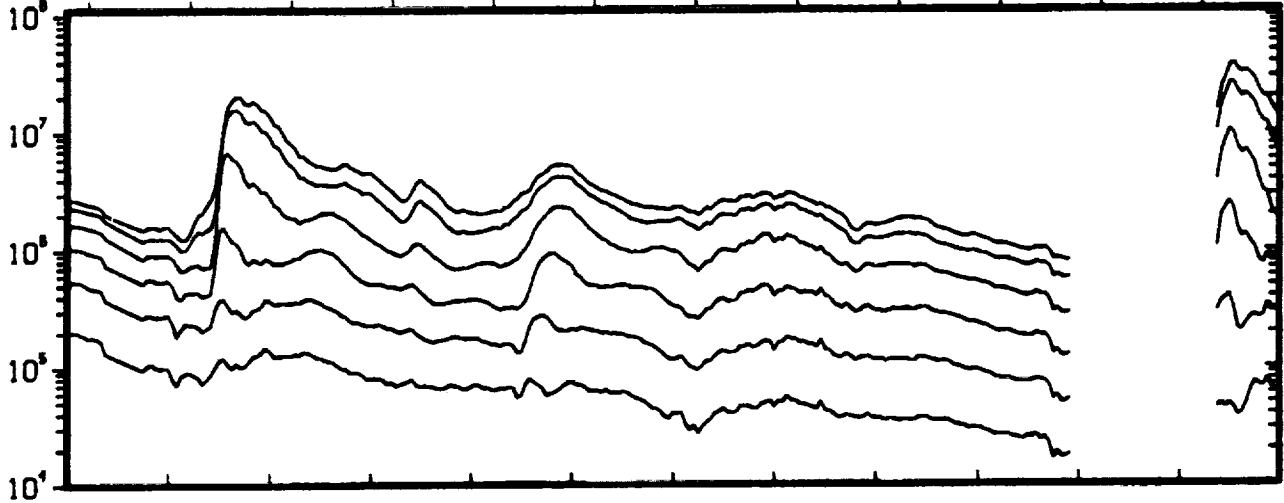


# LOW ENERGY ELECTRONS

1977-007

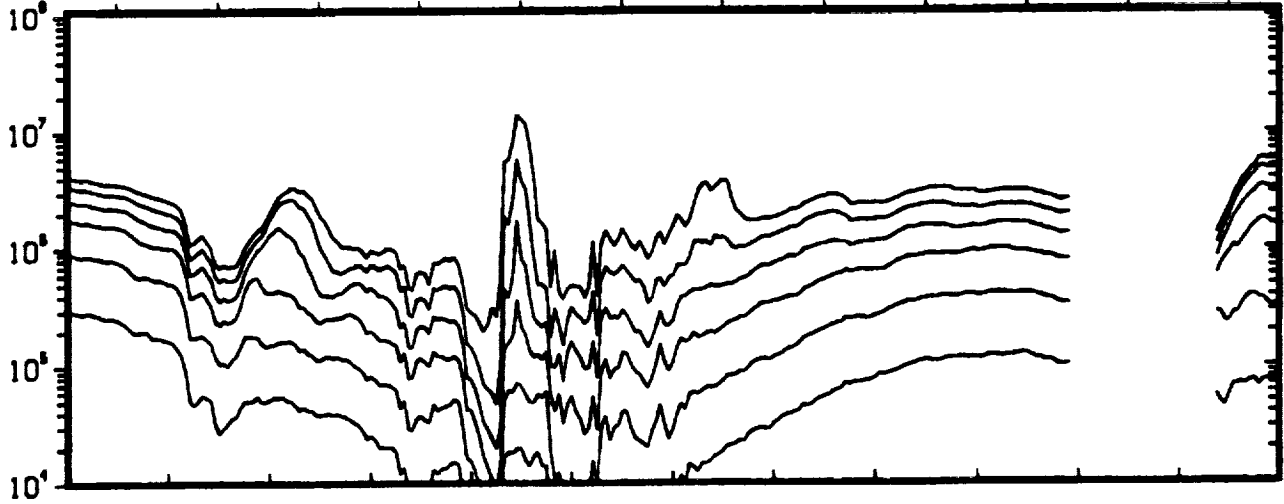
83/04/23

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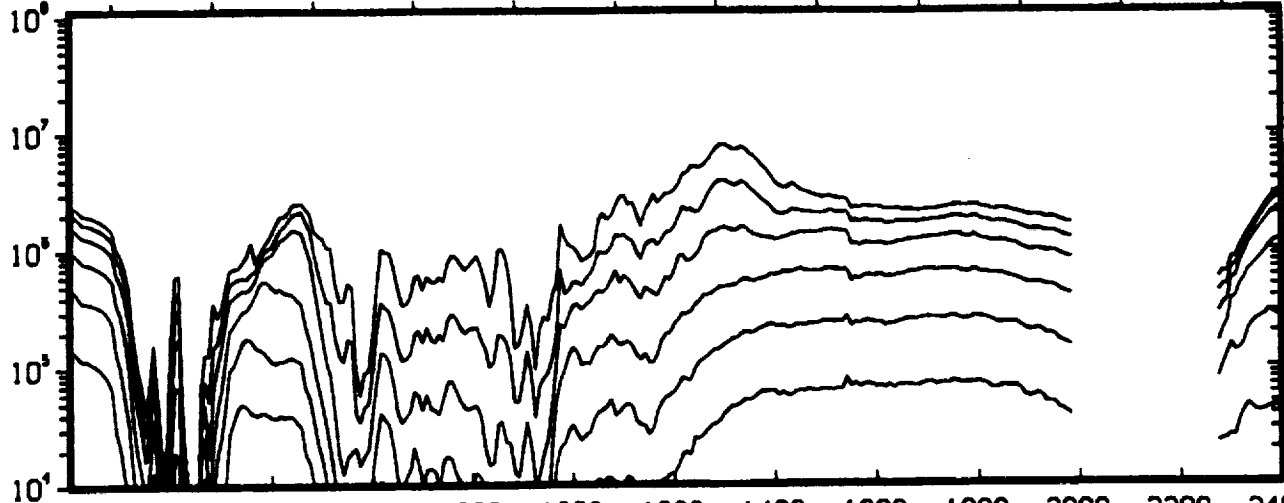
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



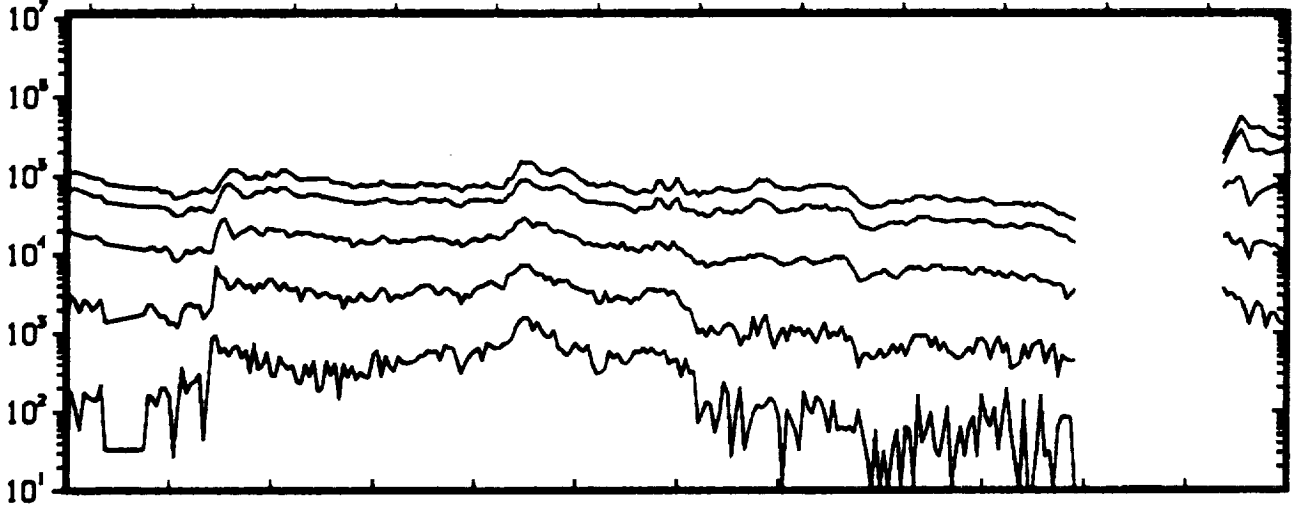
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

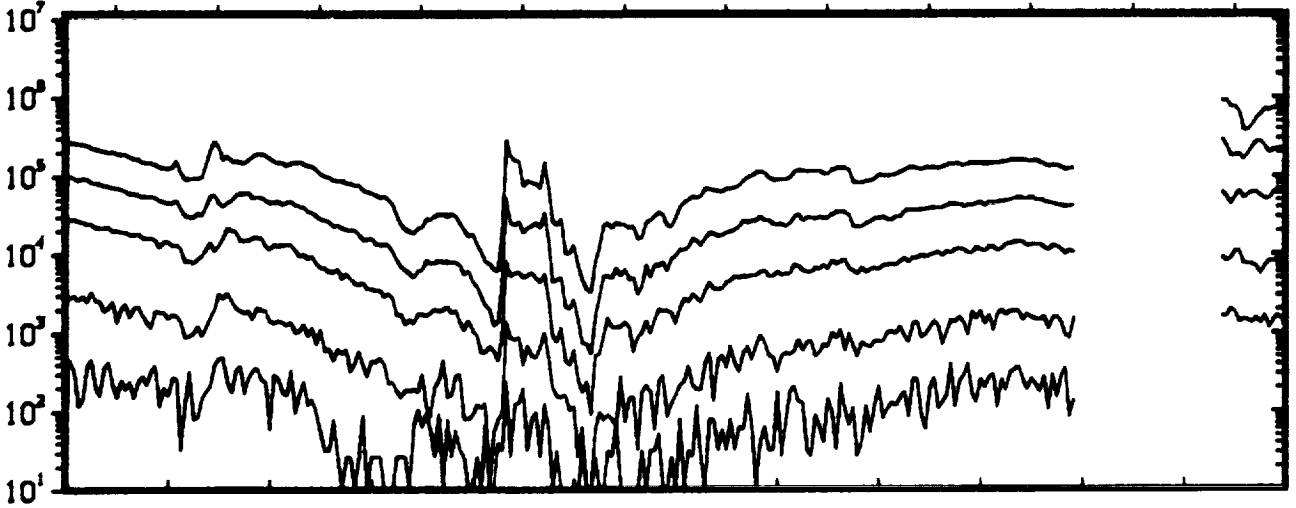
83/04/23

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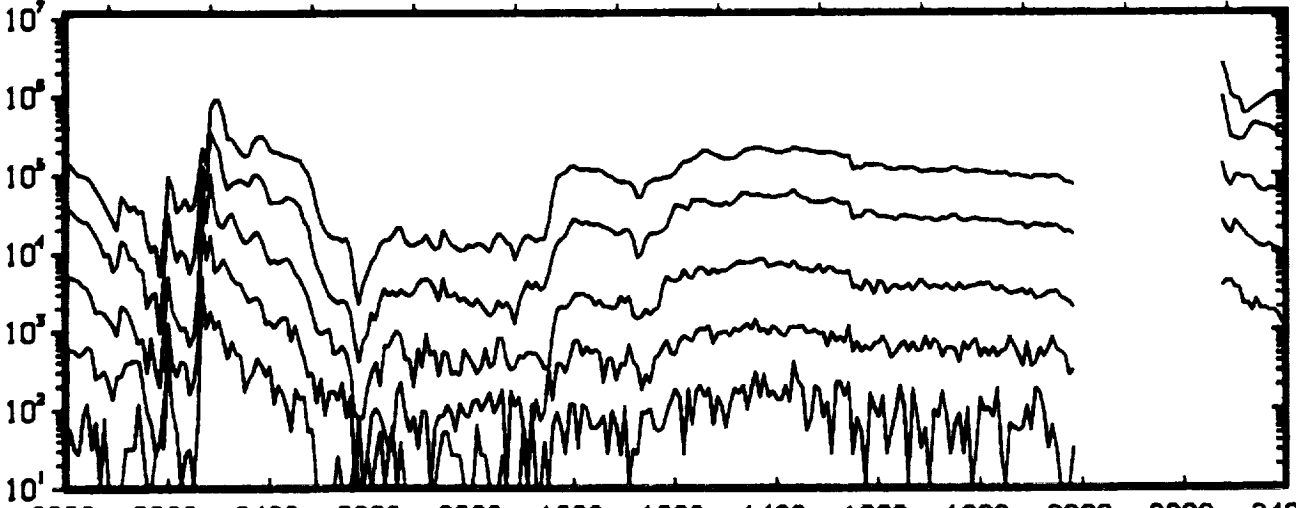
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



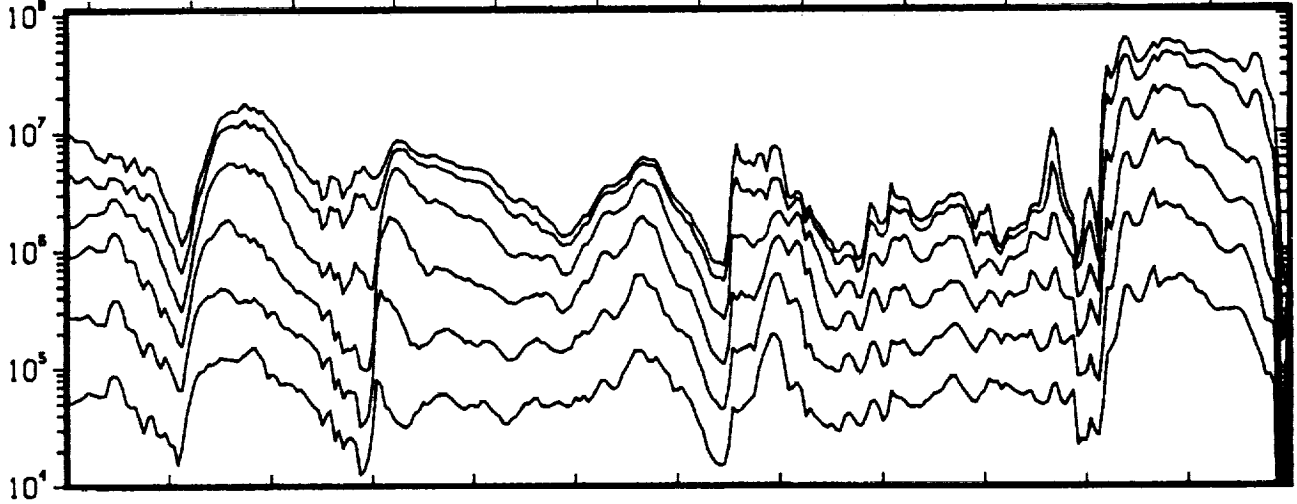
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

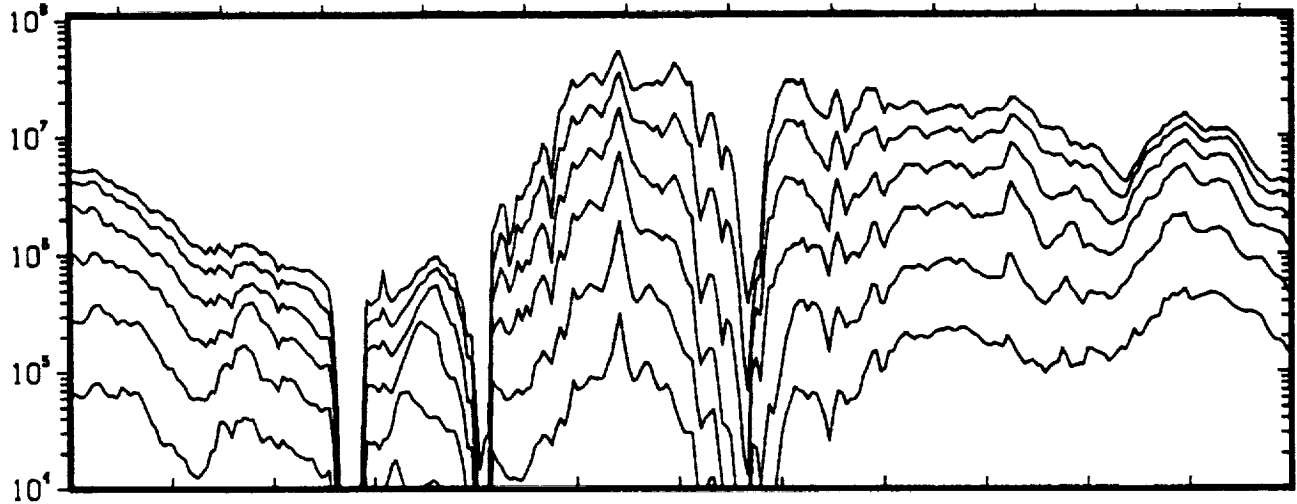
83/04/24

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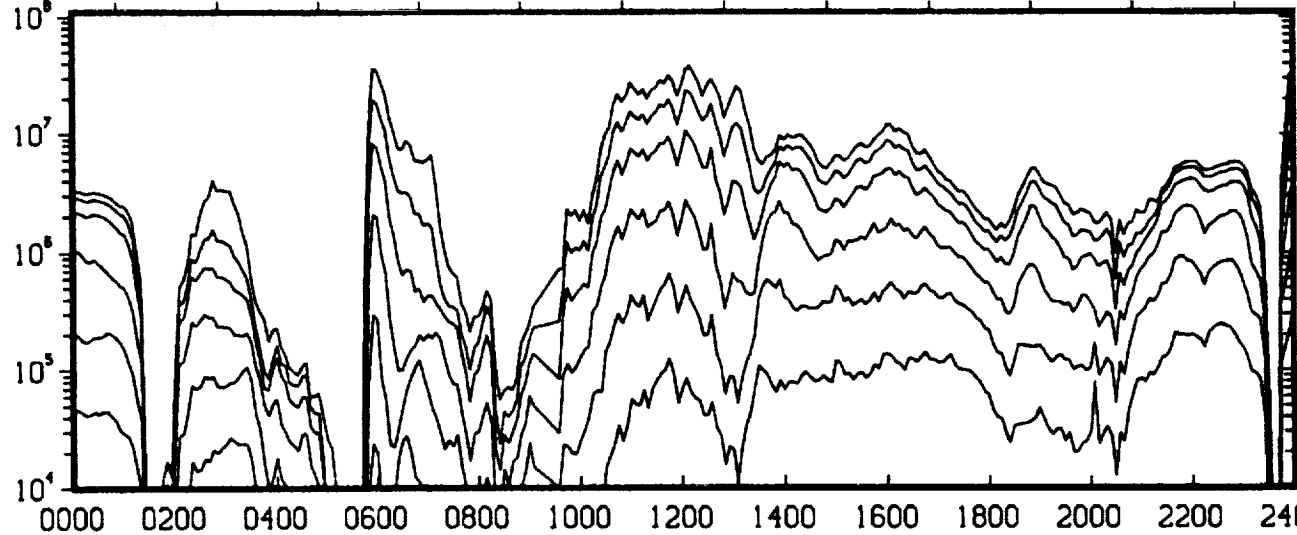
1981-025

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1982-019

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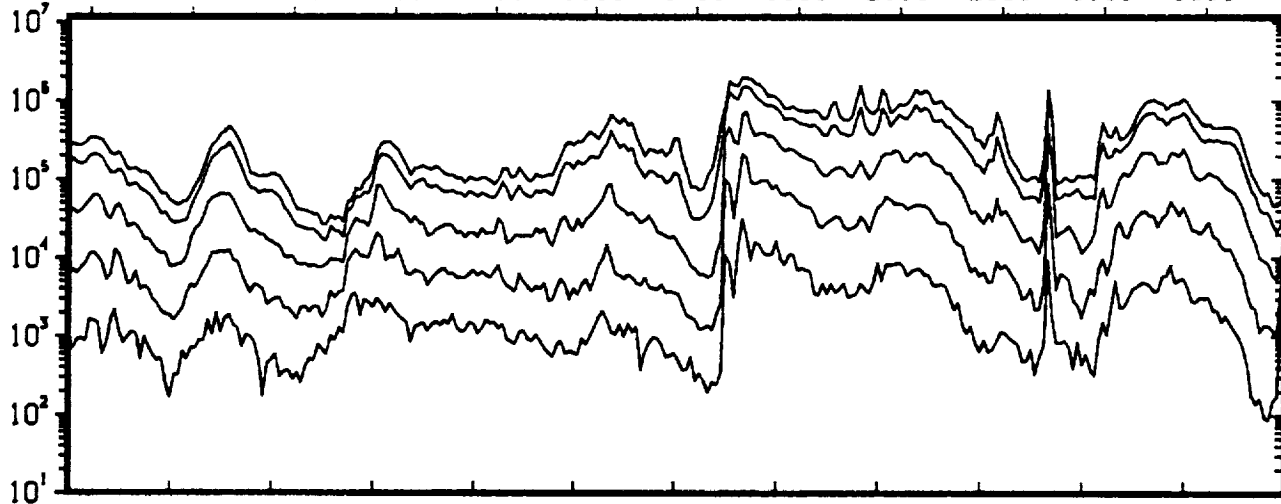
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

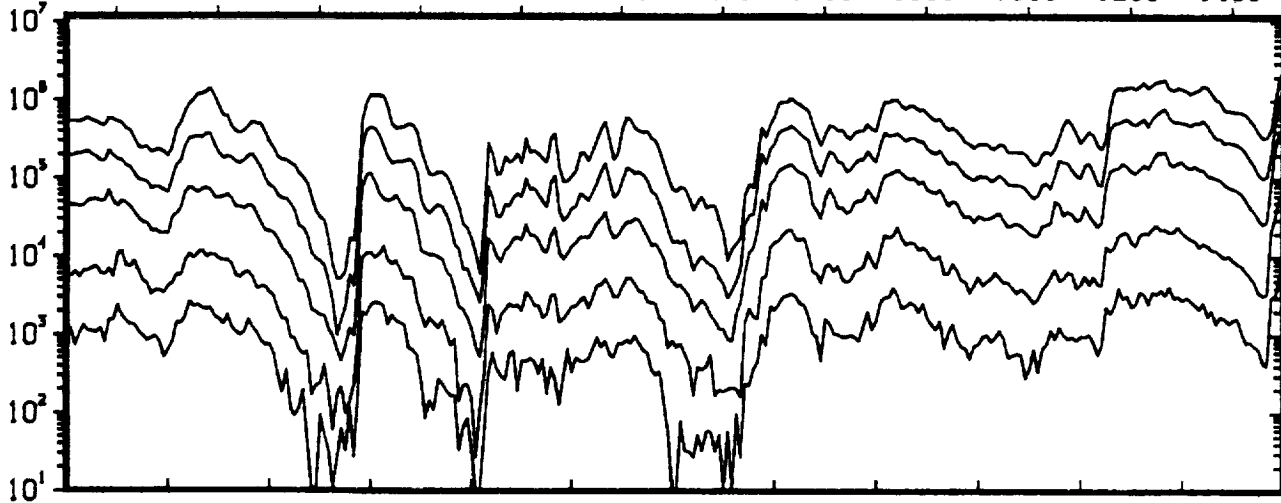
83/04/24

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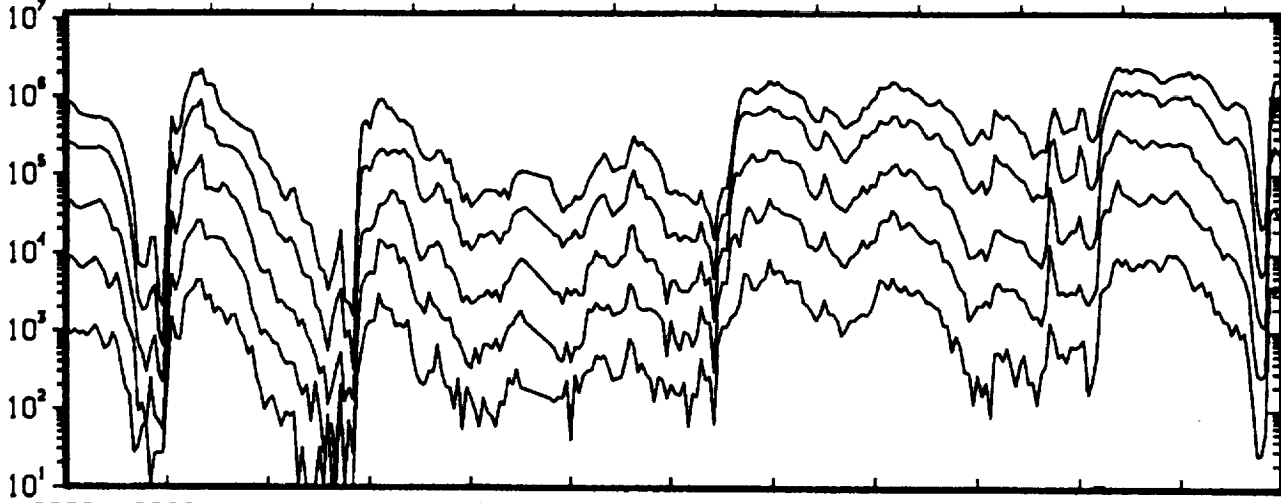
1981-025

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1982-019

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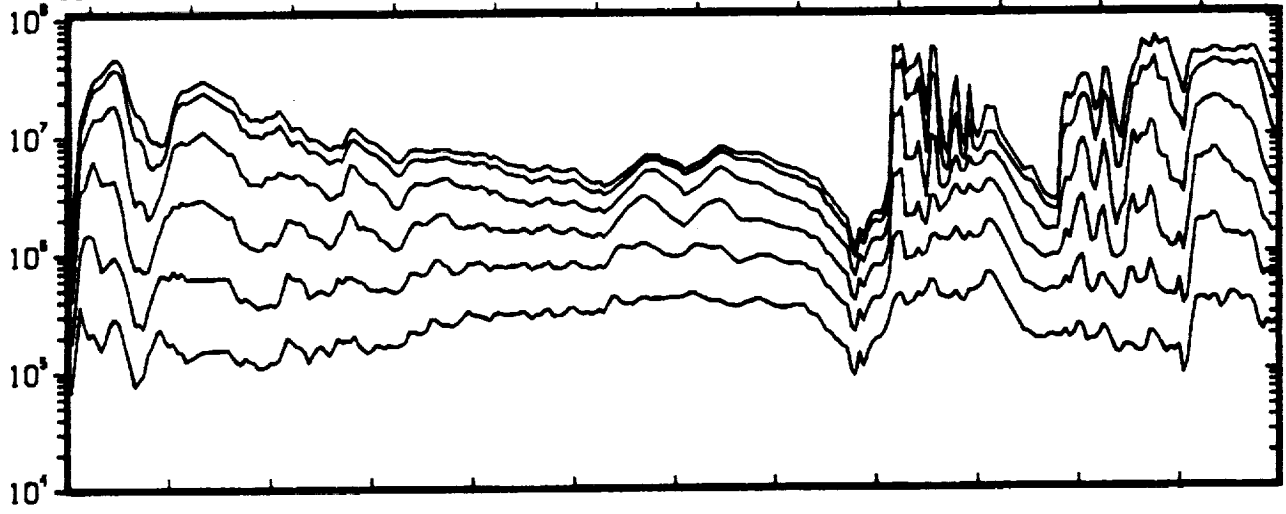
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

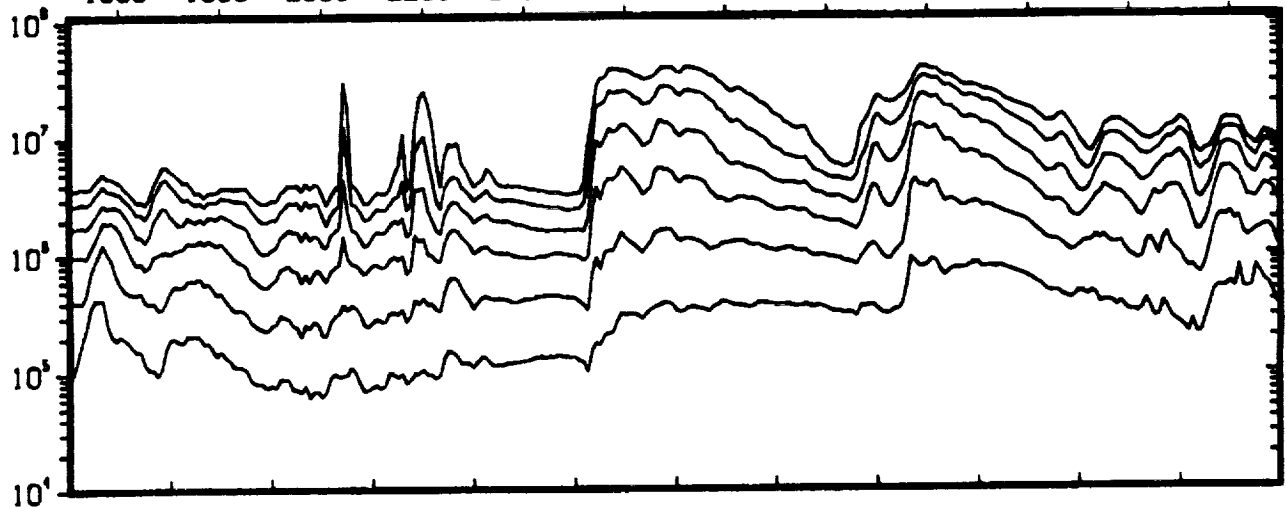
83/04/25

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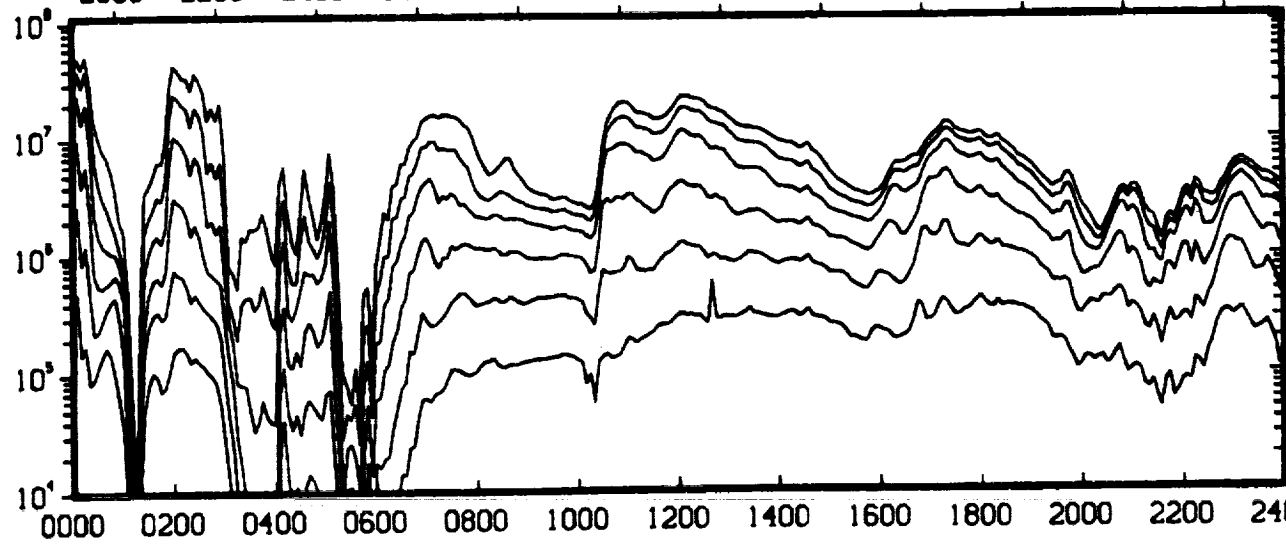
1981-025

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1982-019

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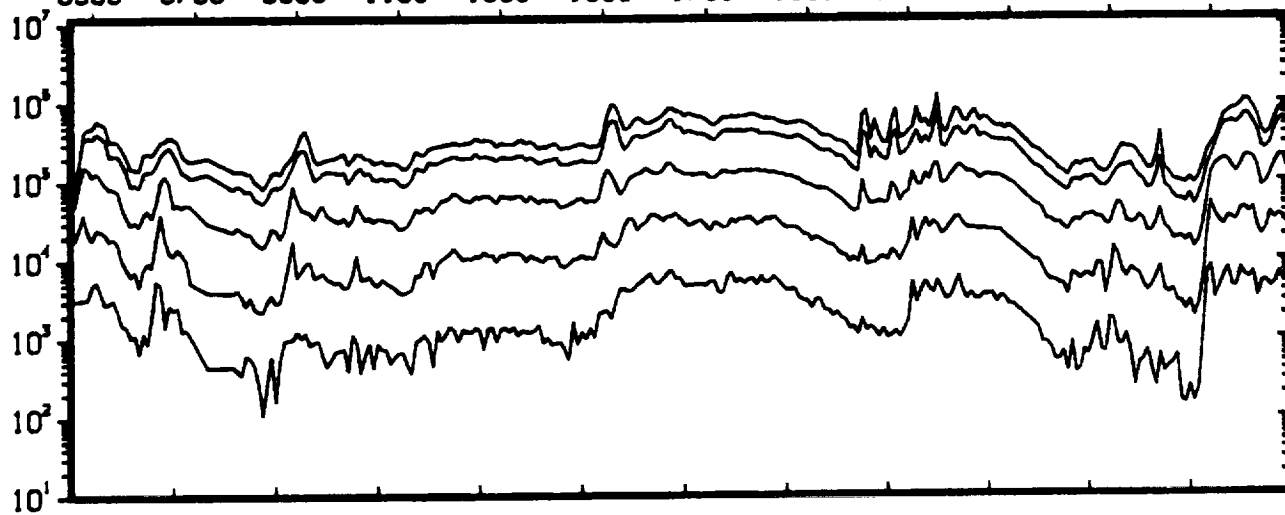
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

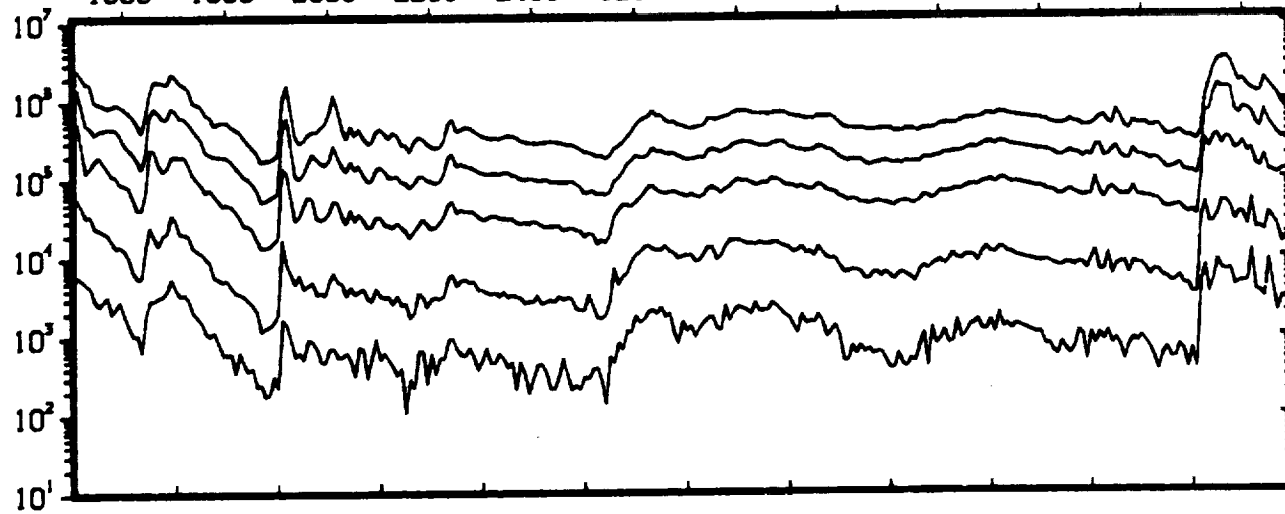
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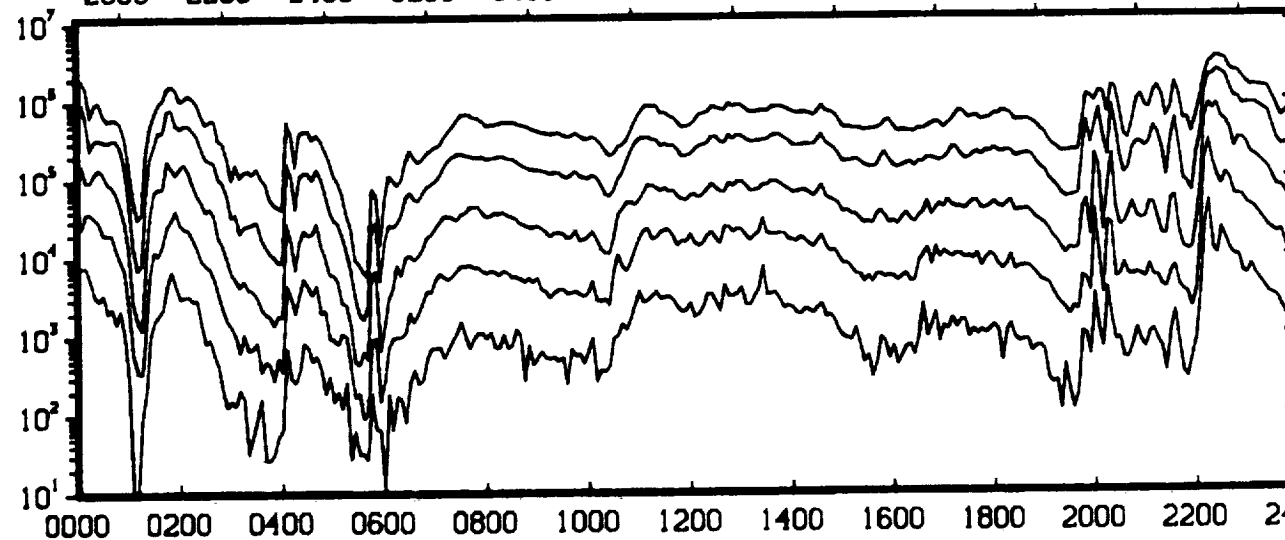
1981-025

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1982-019

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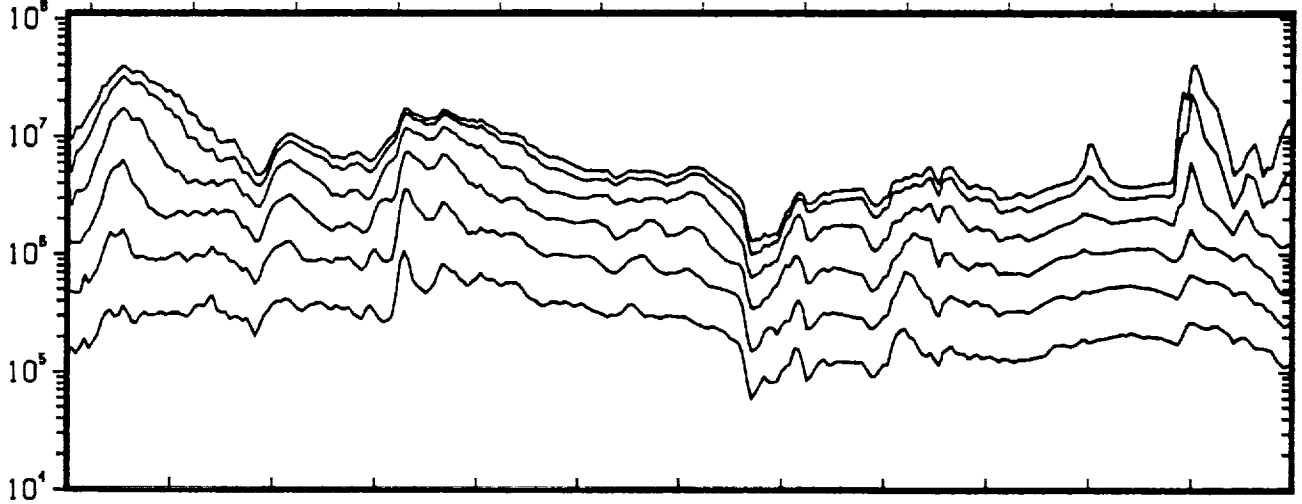
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

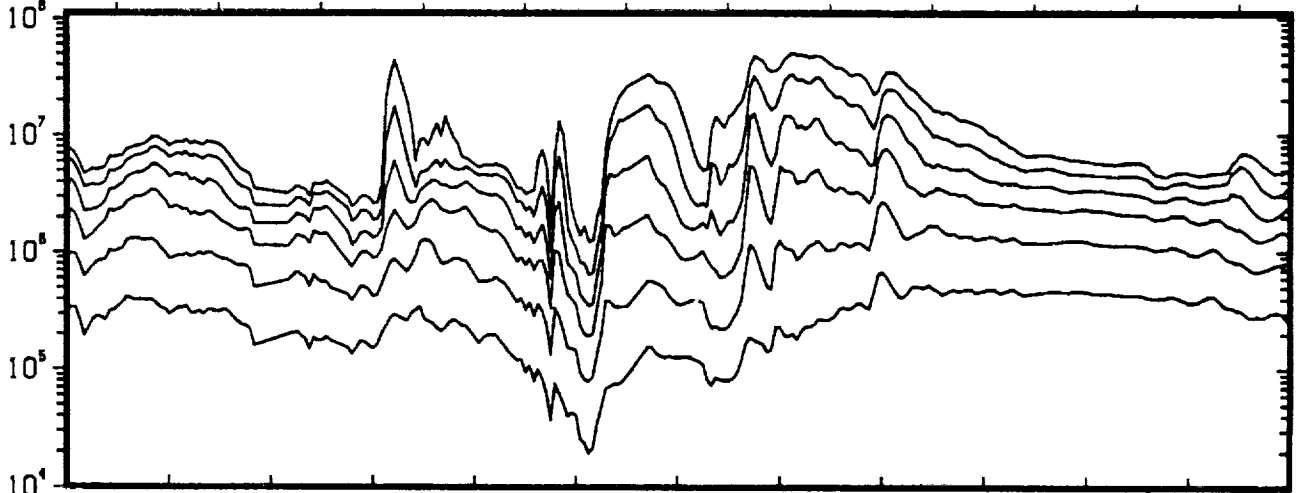
83/04/26

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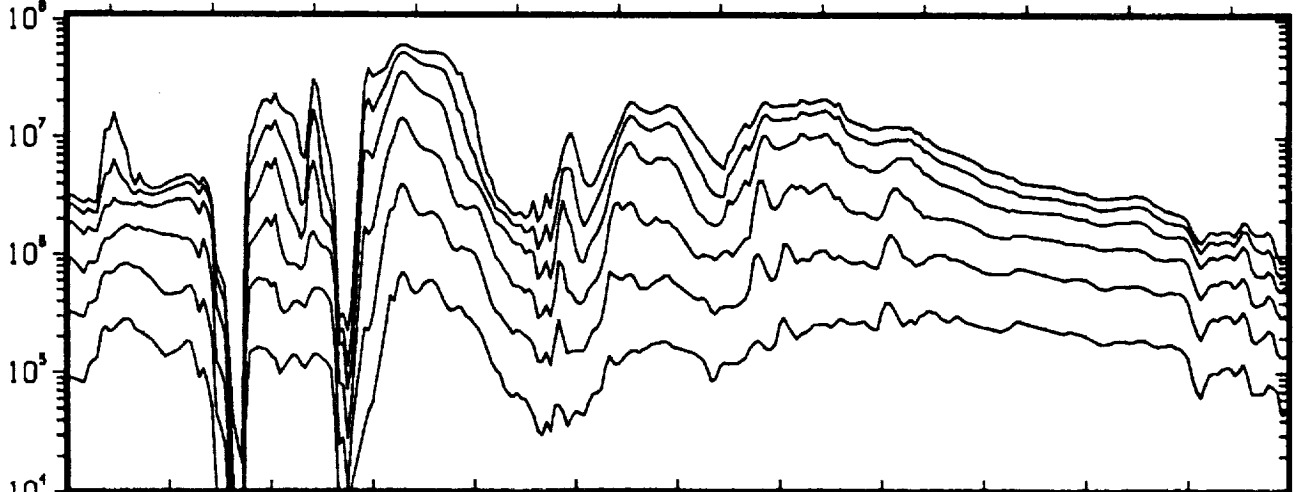
1981-025

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1982-019

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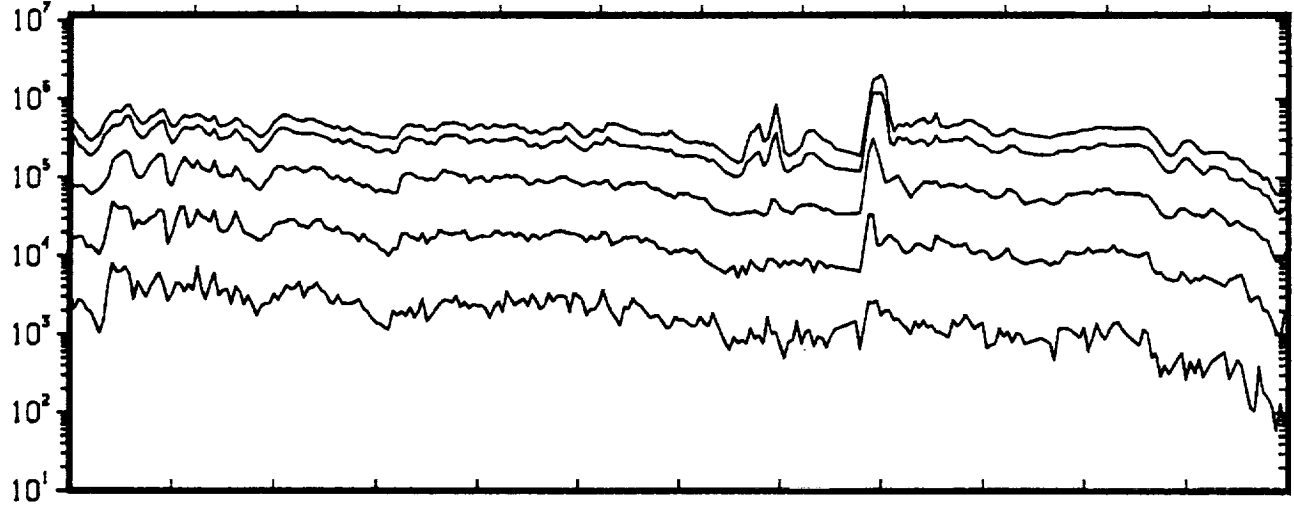


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



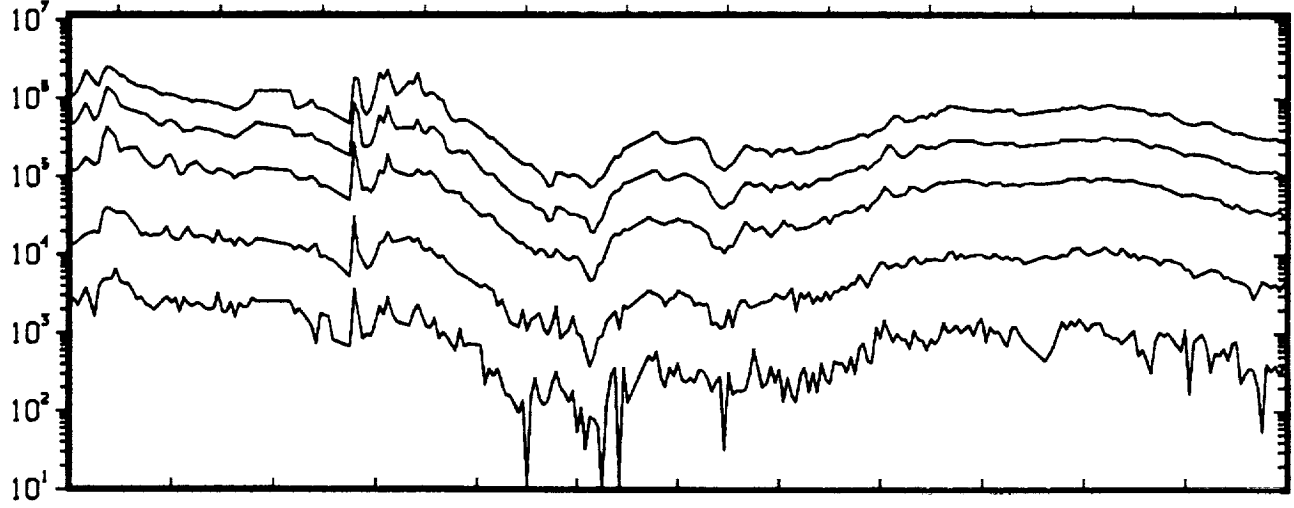
# LOW ENERGY IONS

1977-007 83/04/26  
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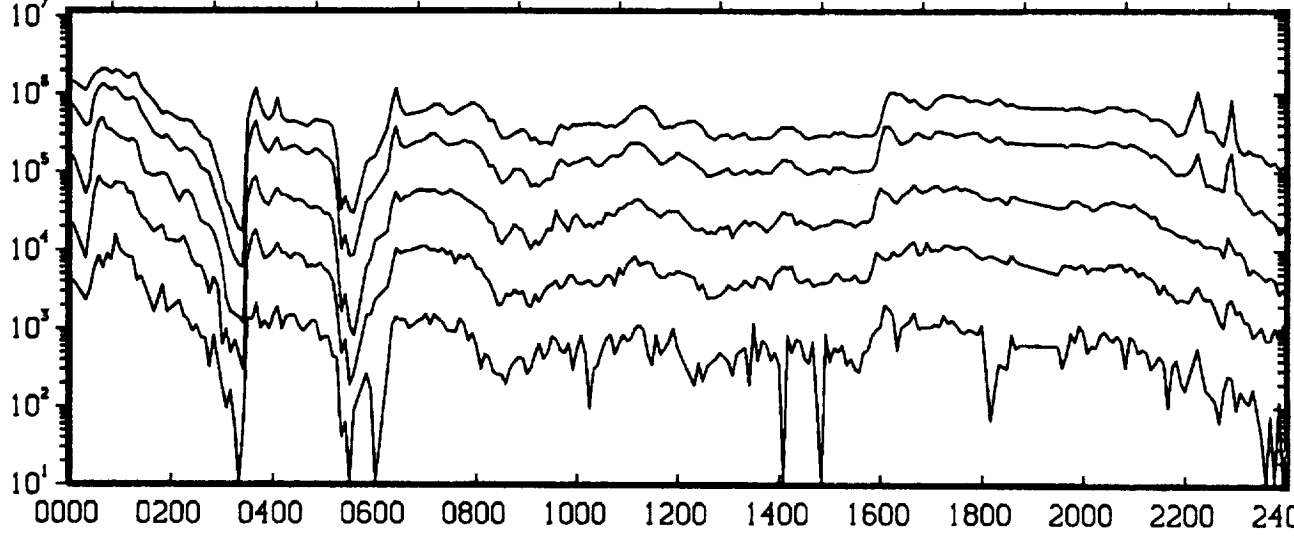


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
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1982-019  
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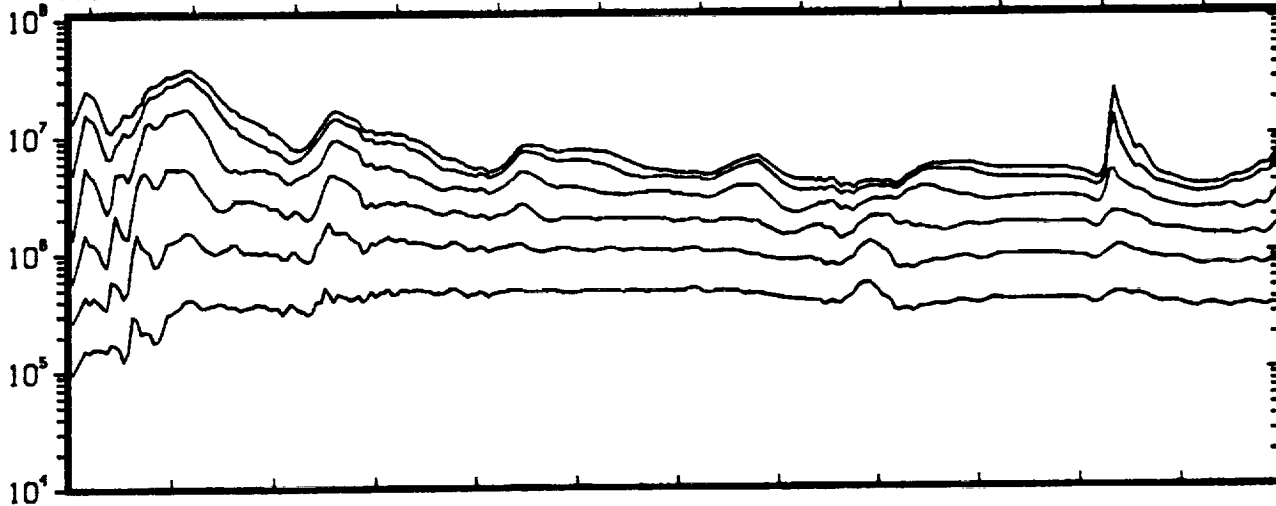


# LOW ENERGY ELECTRONS

1977-007

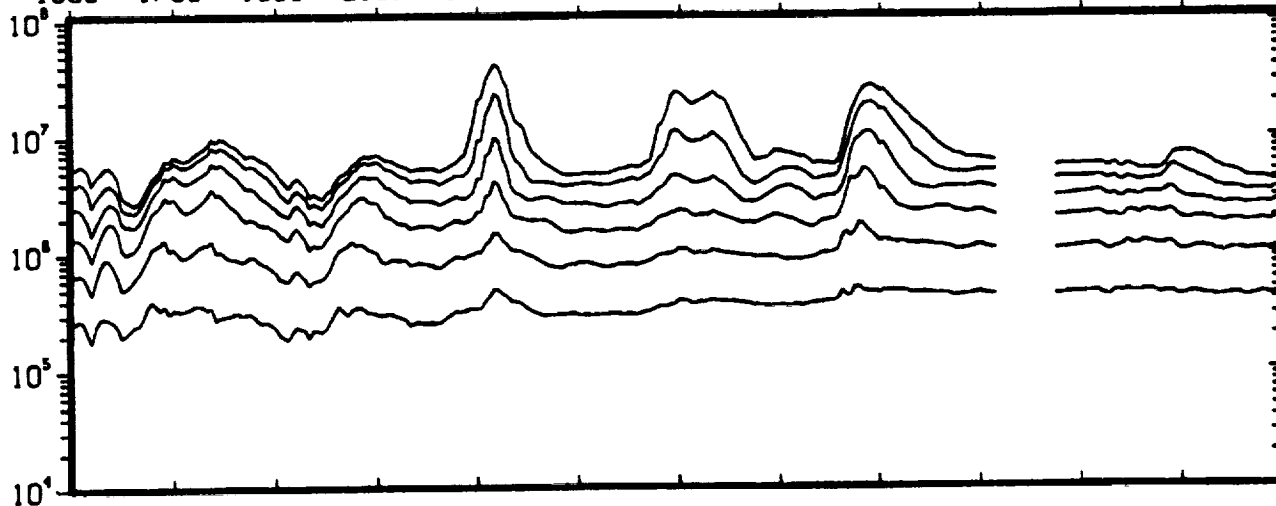
83/04/27

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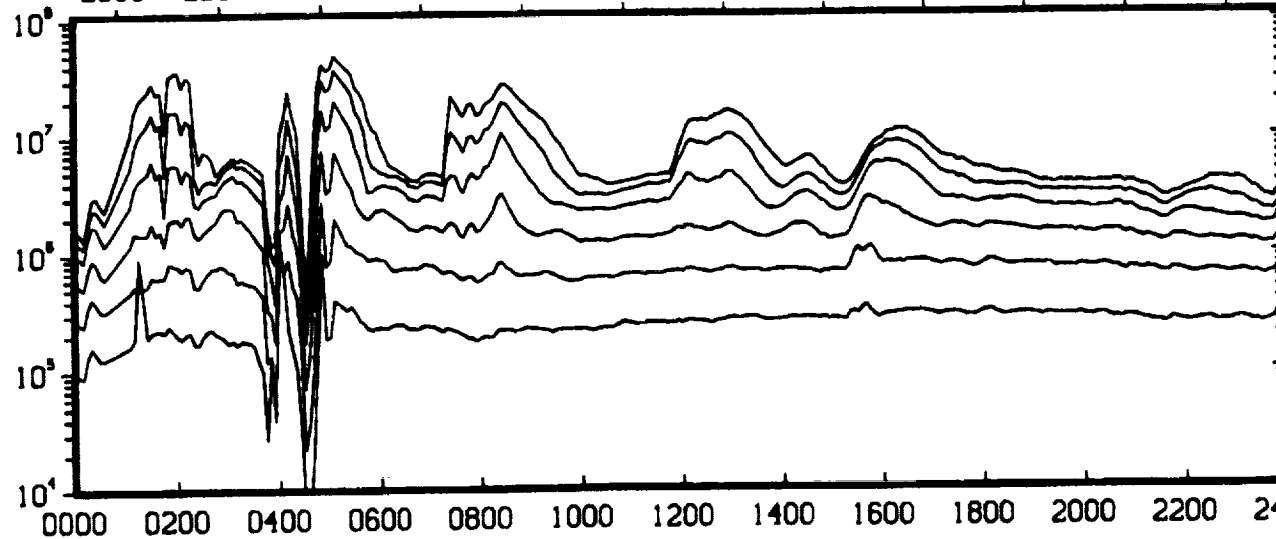
1981-025

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1982-019

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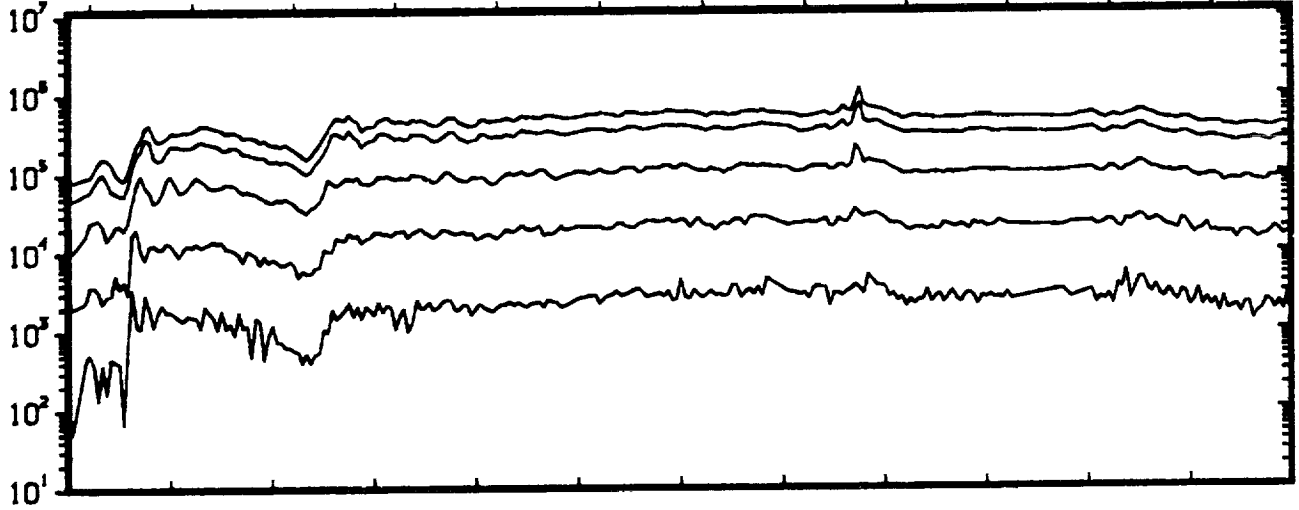
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

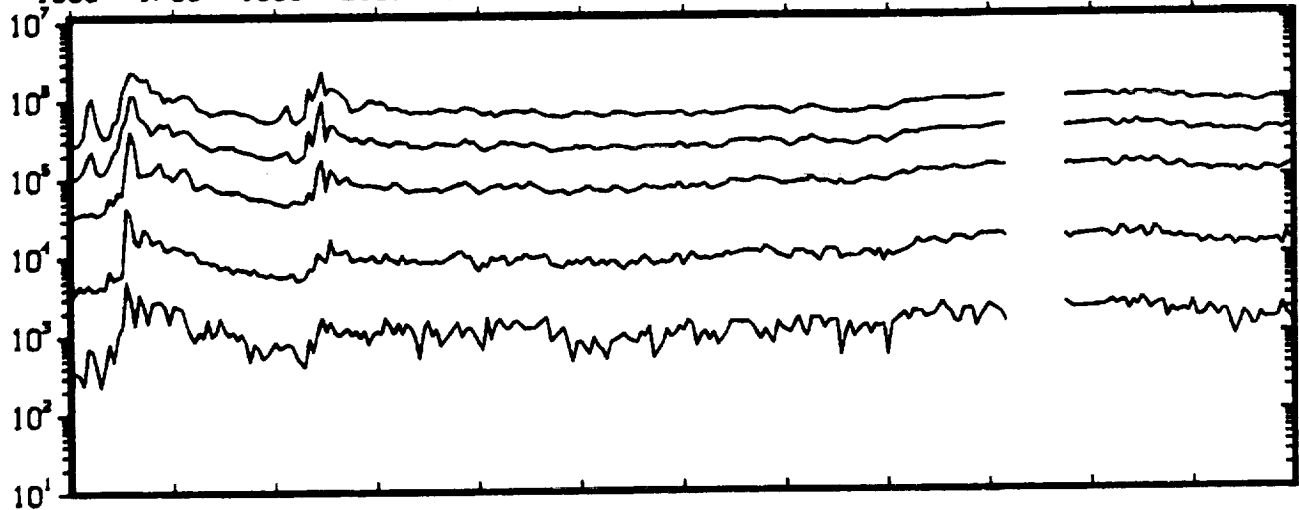
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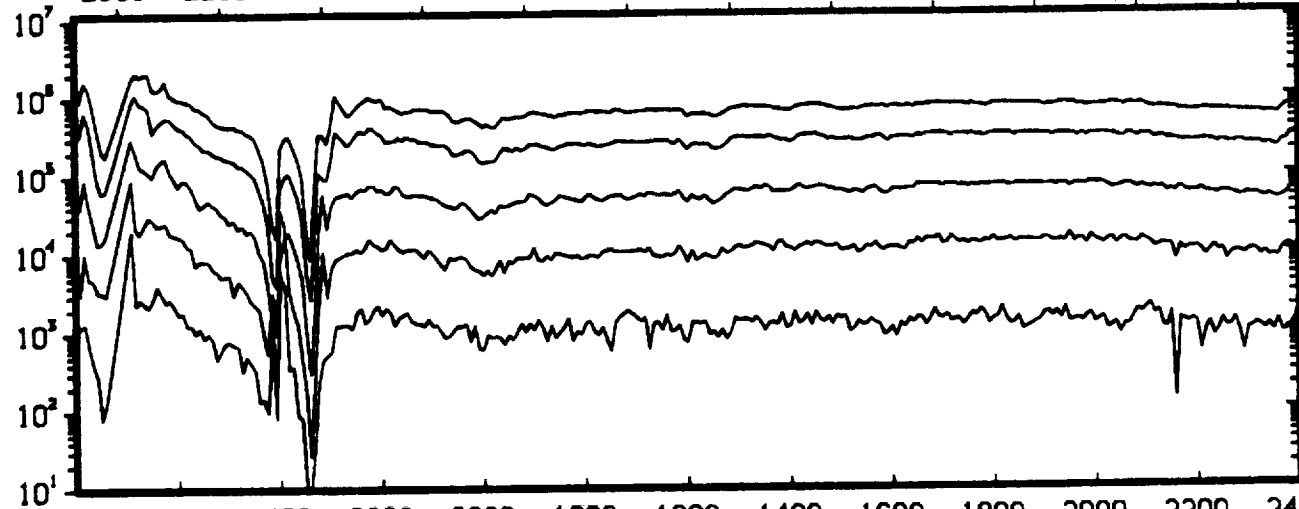
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1982-019

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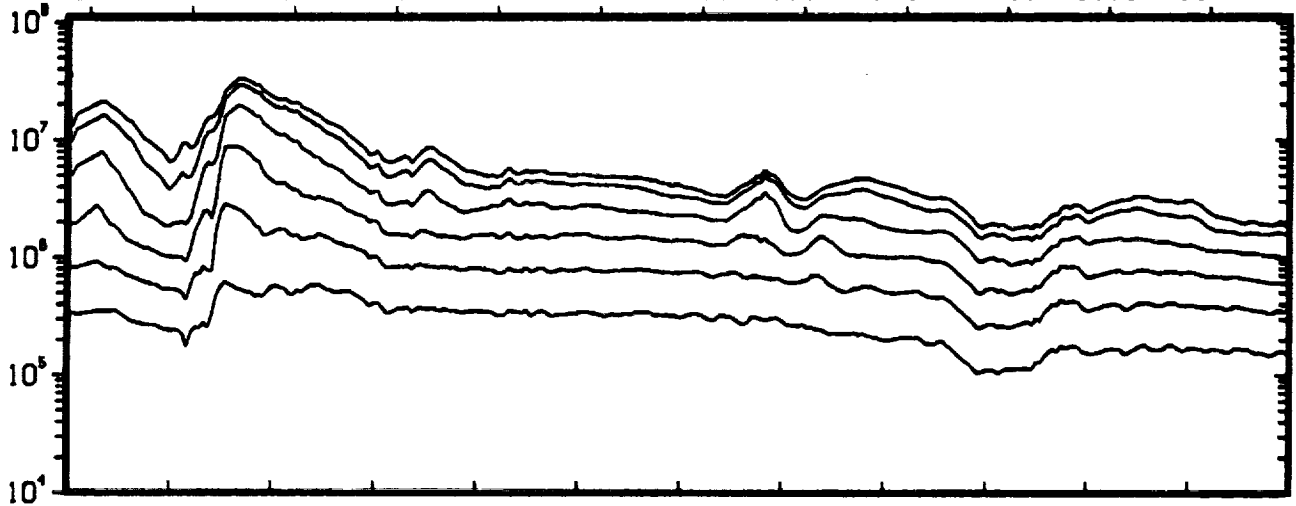
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

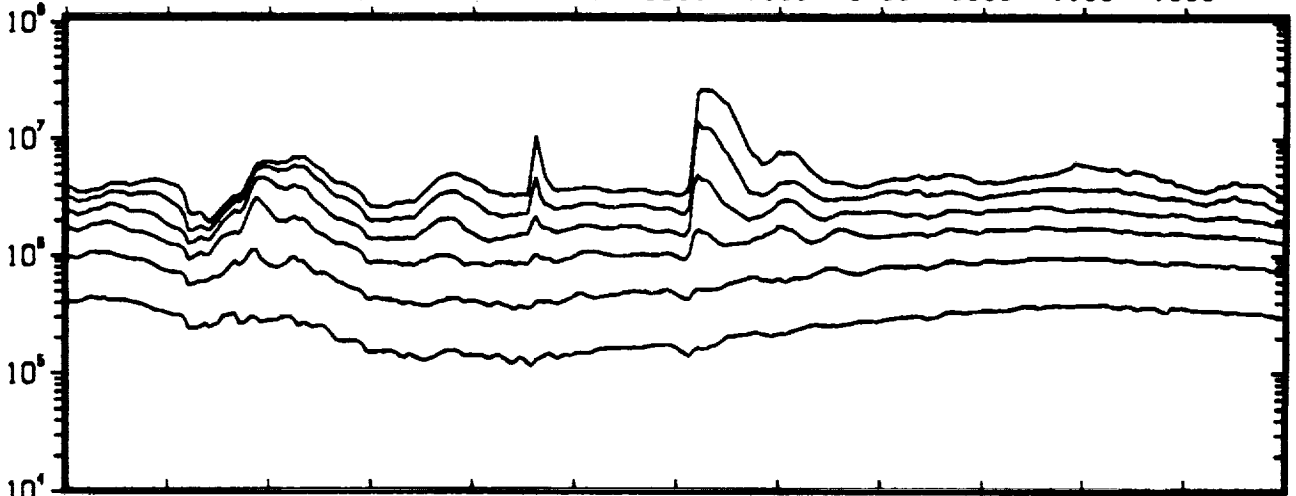
83/04/28

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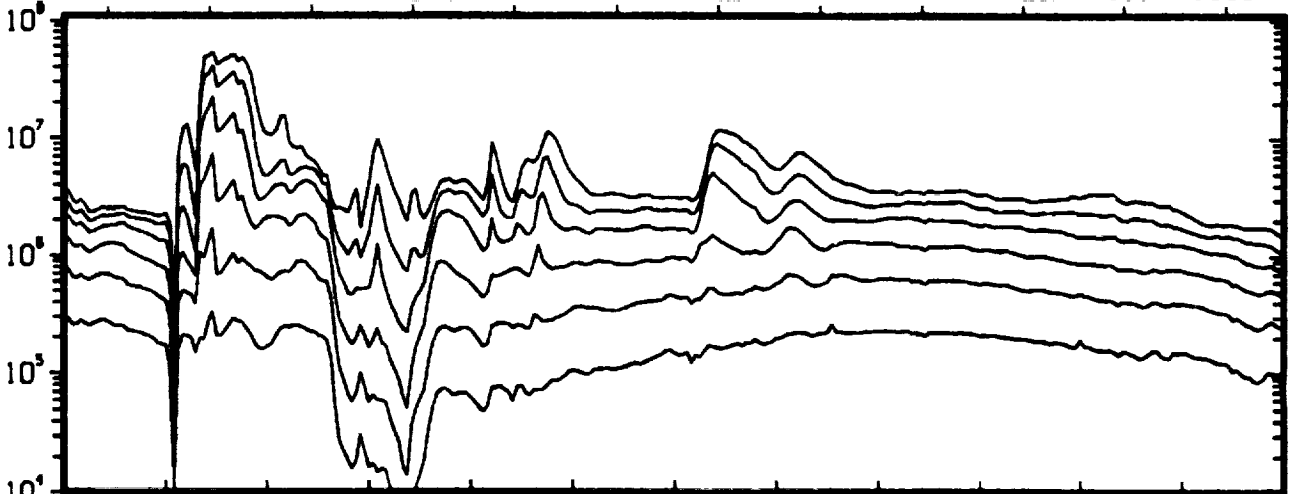
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

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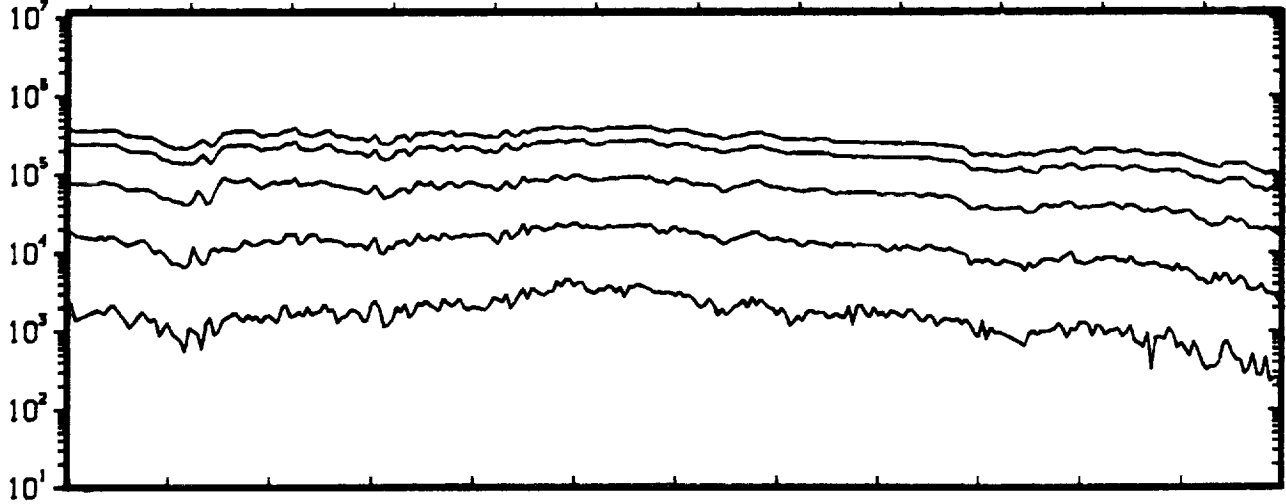
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

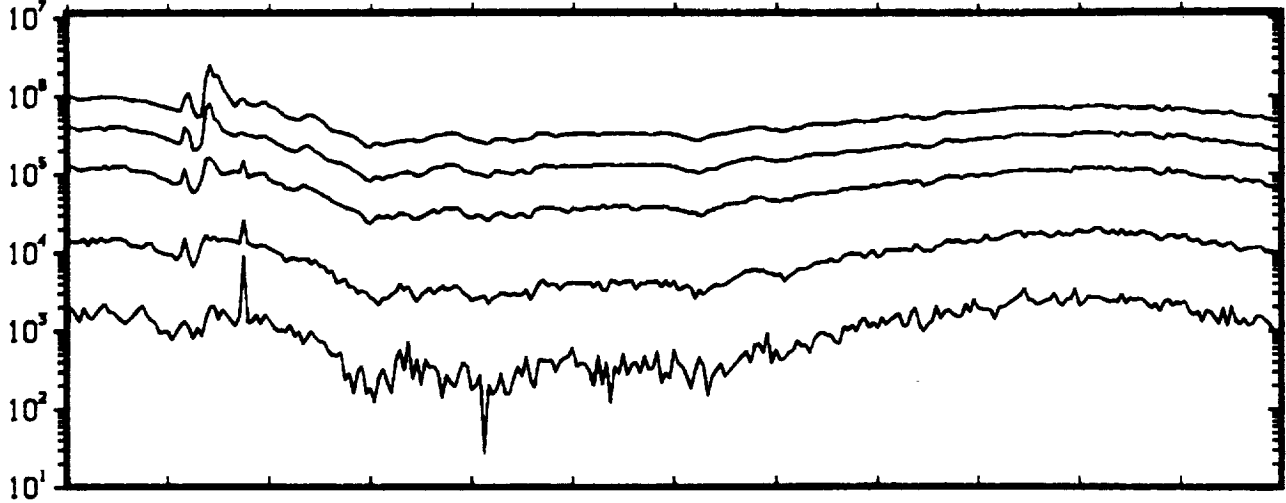
83/04/28

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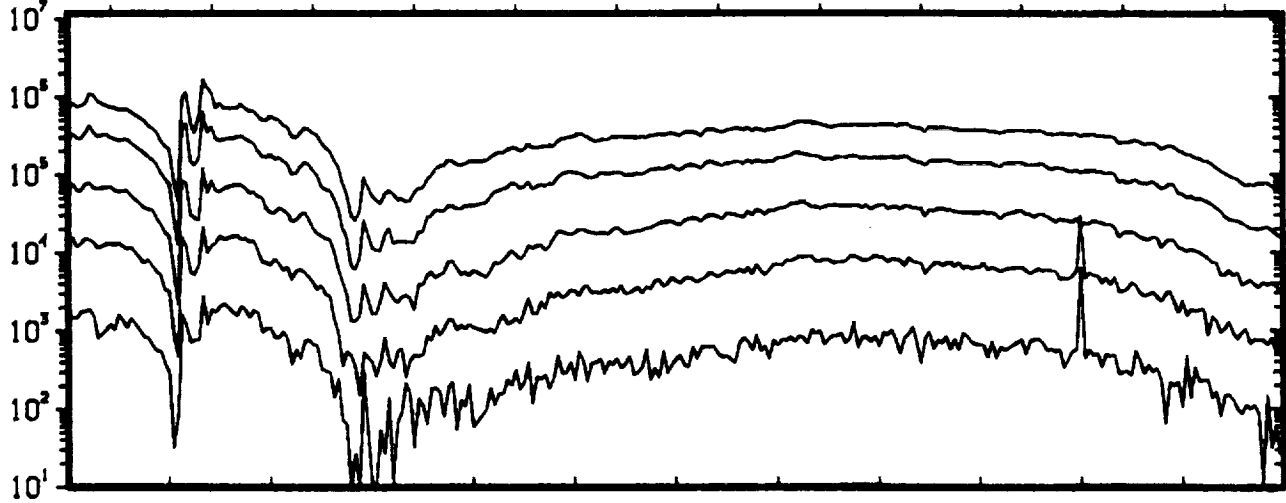
1981-025

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1982-019

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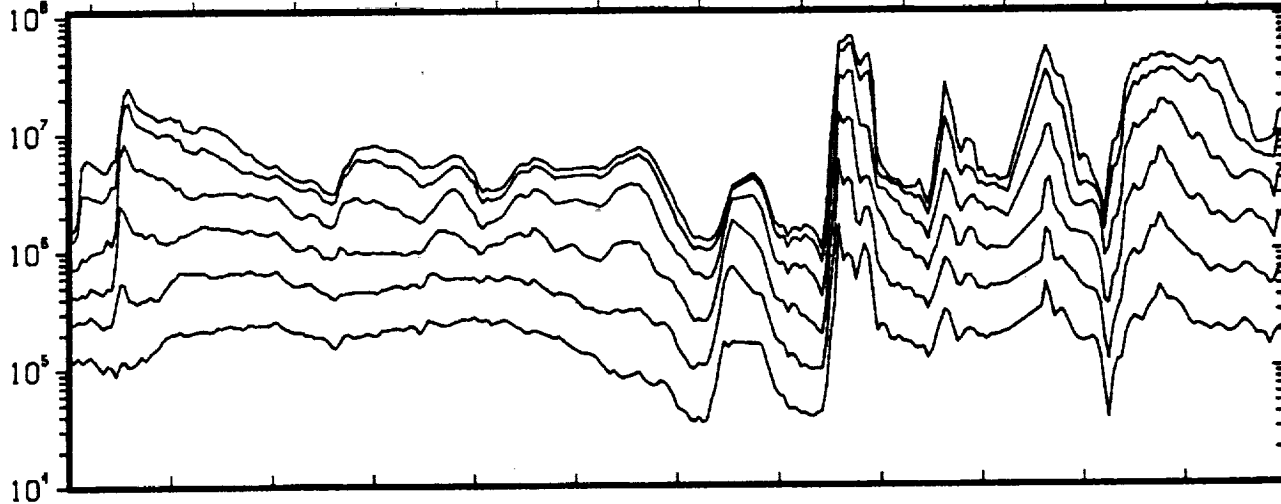
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

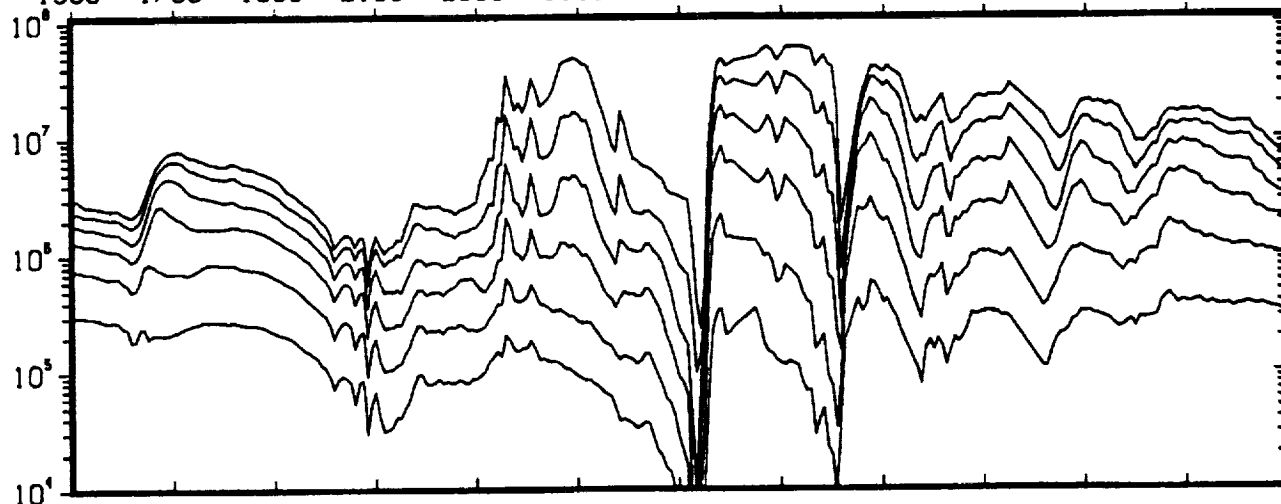
83/04/29

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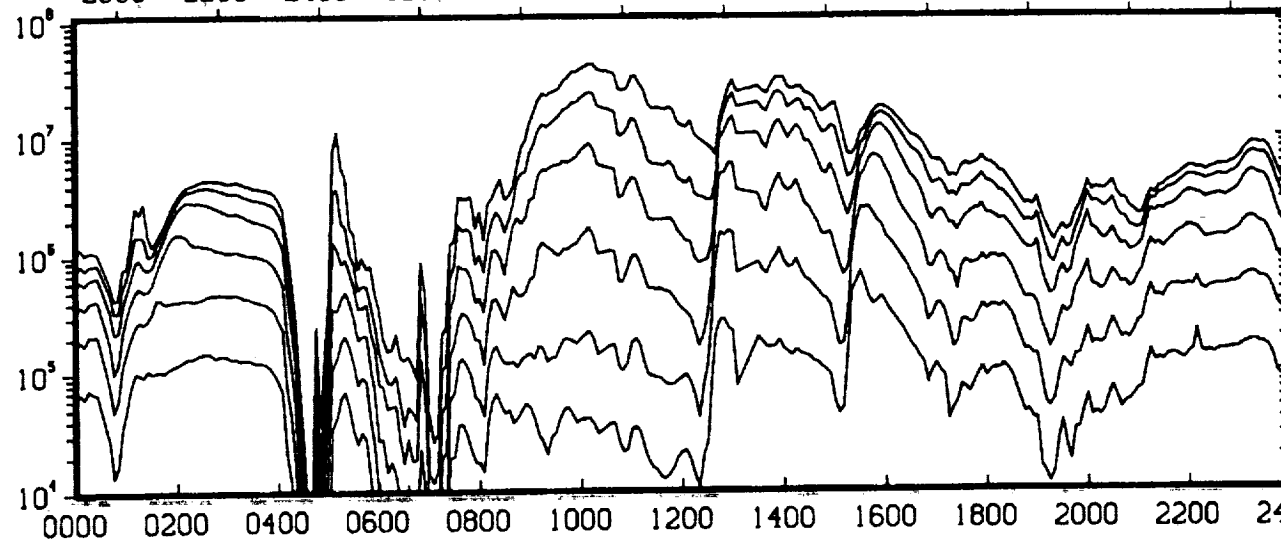
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



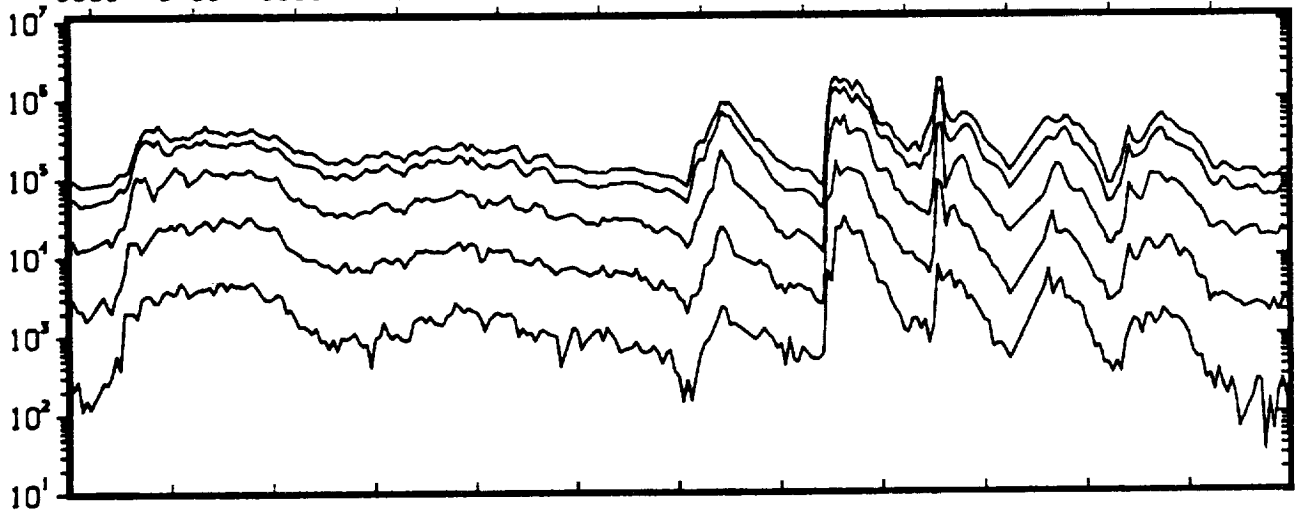
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/04/29

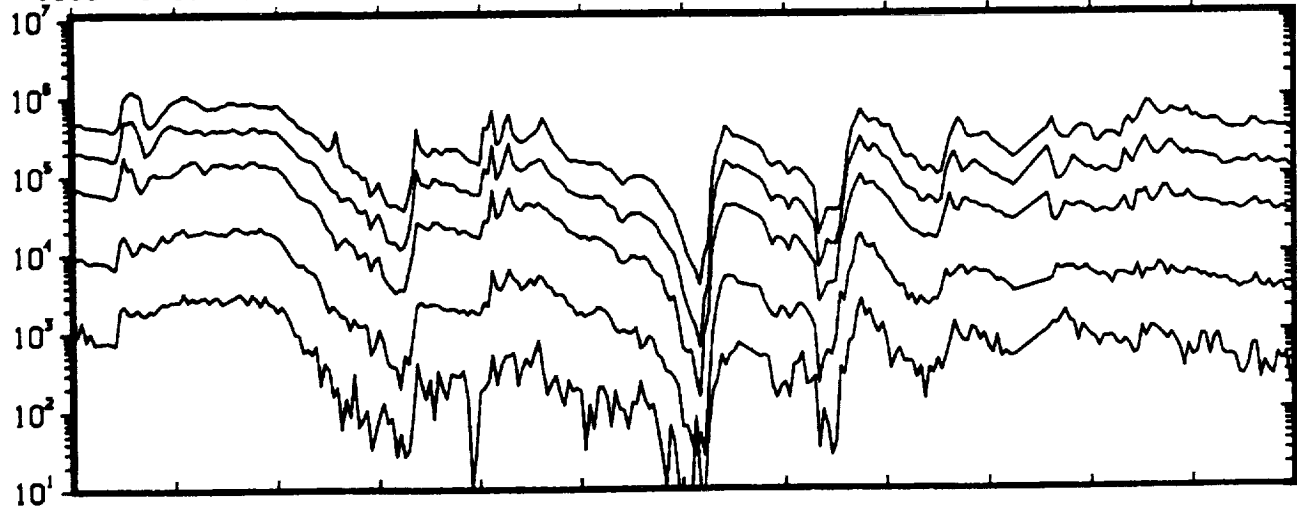
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

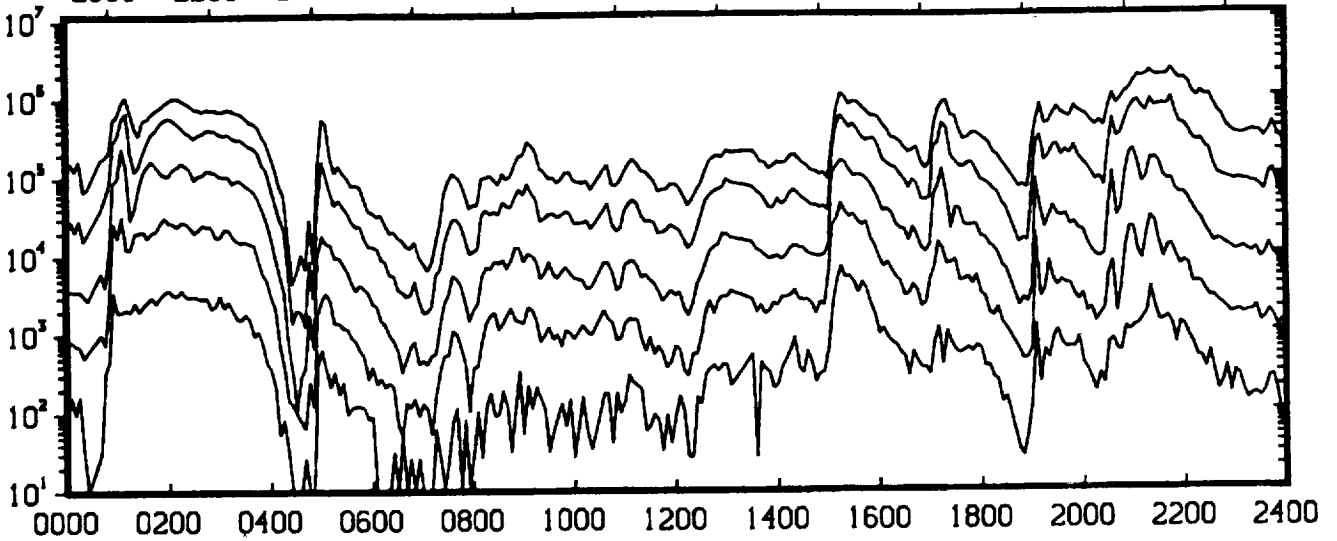
1981-025

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1982-019

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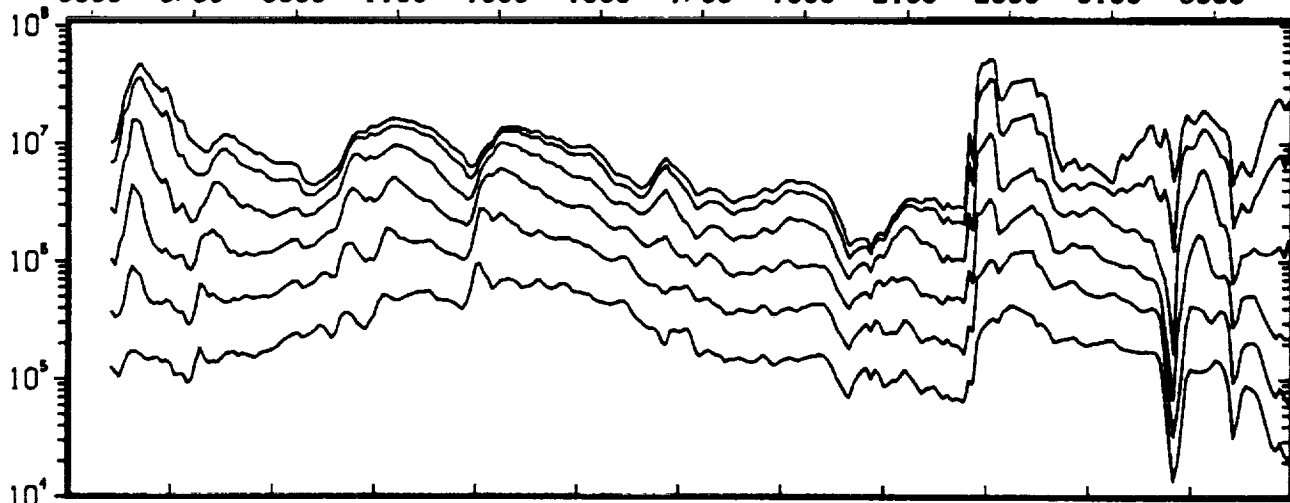


# LOW ENERGY ELECTRONS

1977-007

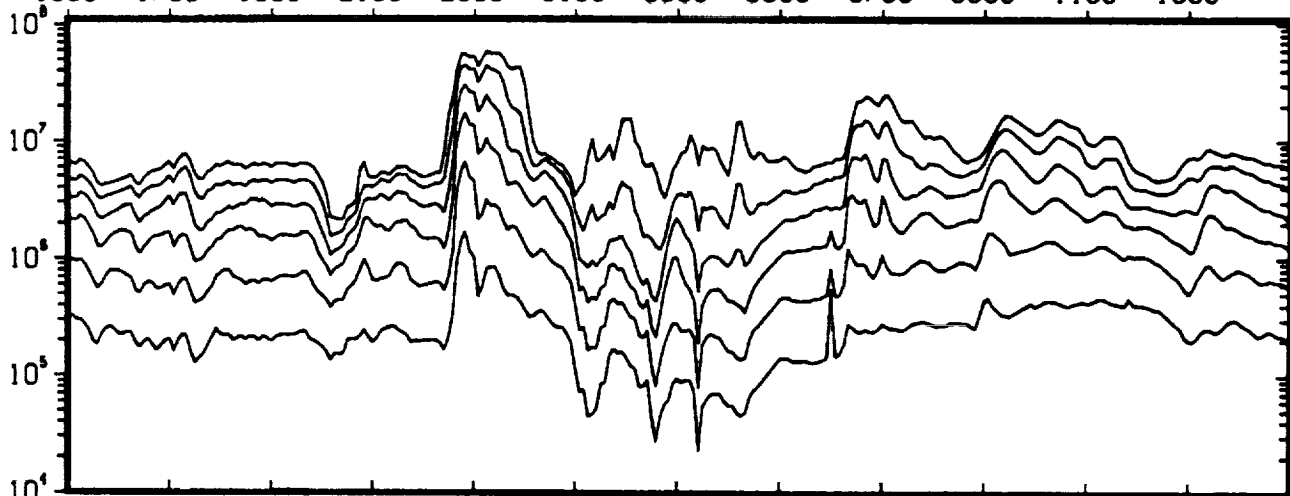
83/04/30

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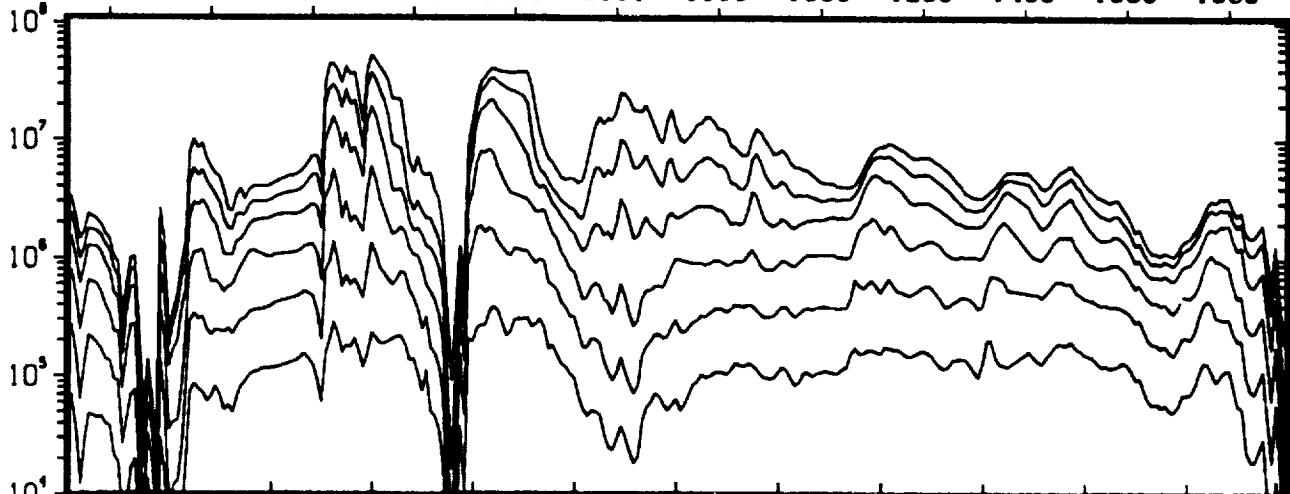
1981-025

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1982-019

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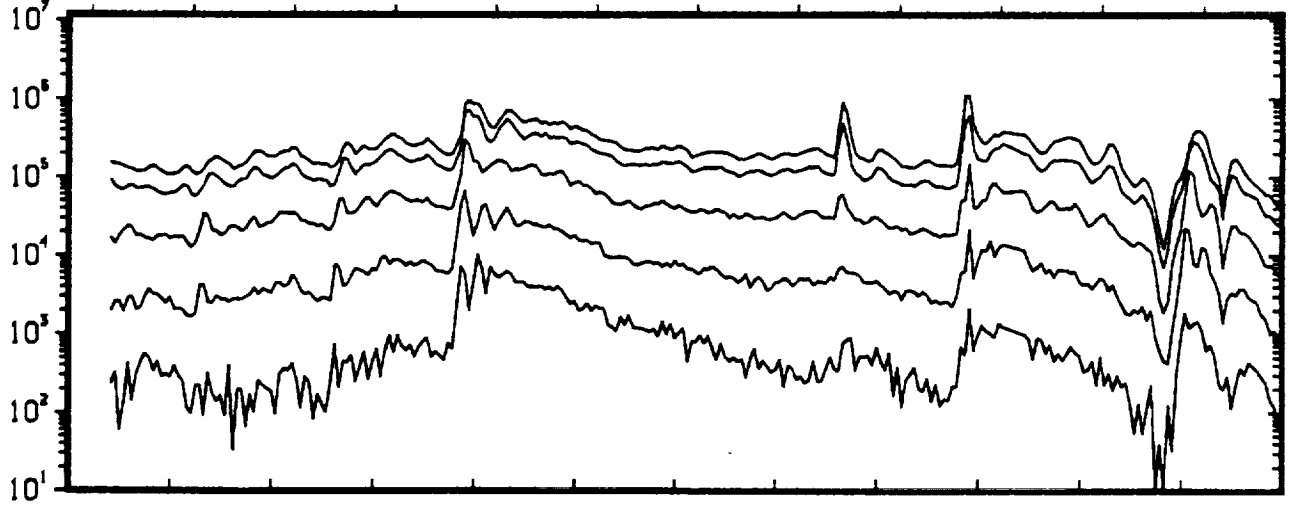


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

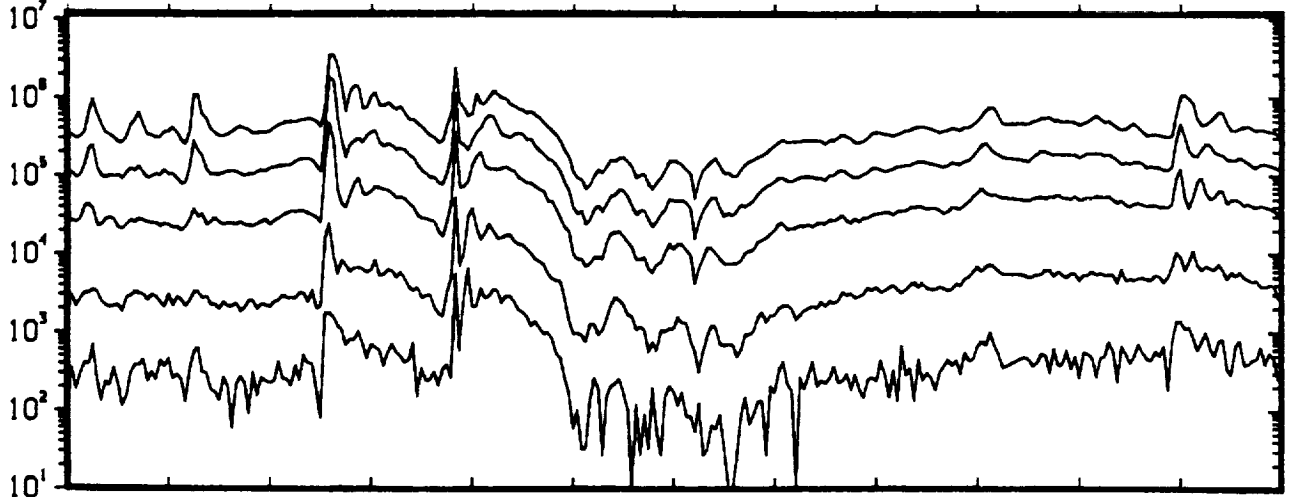


# LOW ENERGY IONS

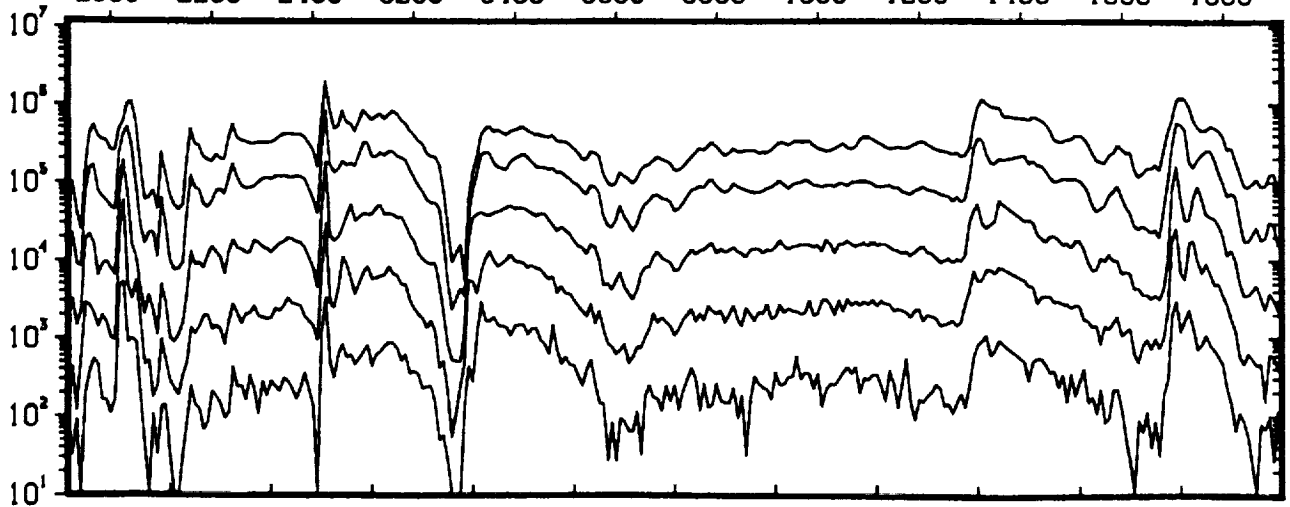
1977-007 83/04/30  
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1981-025  
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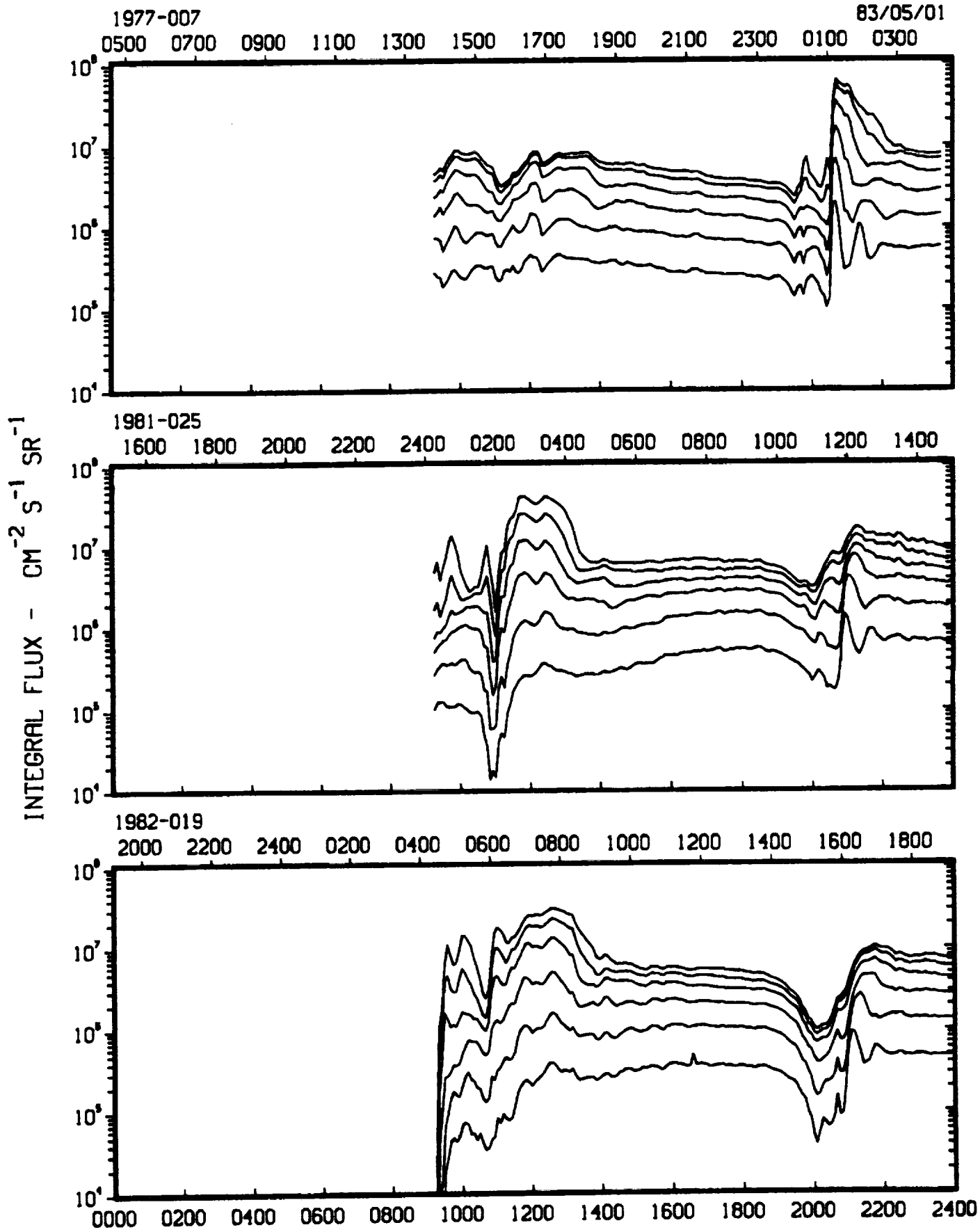


1982-019  
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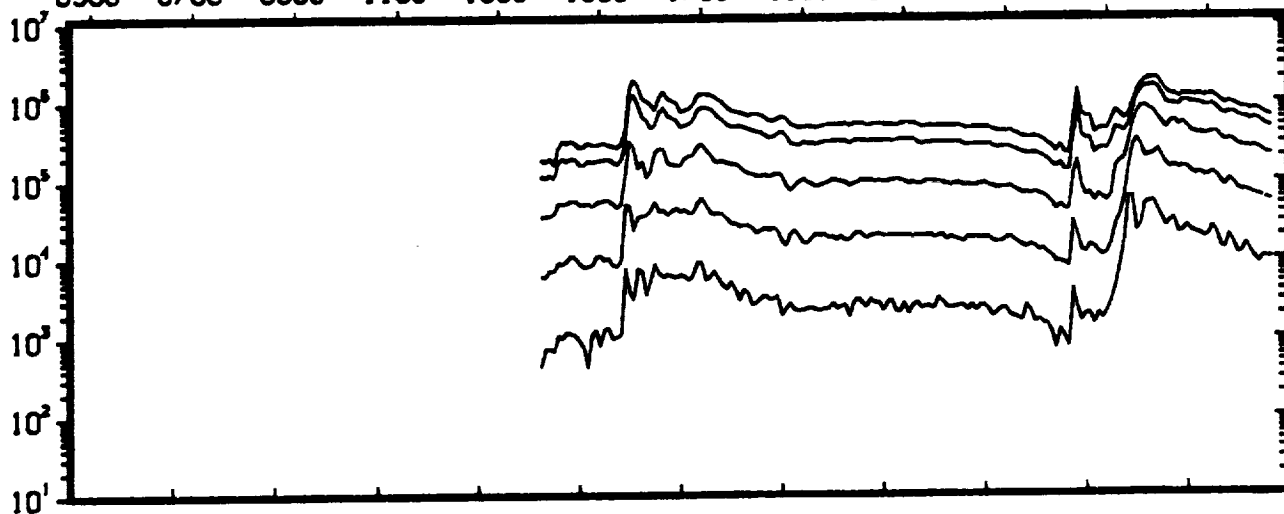
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

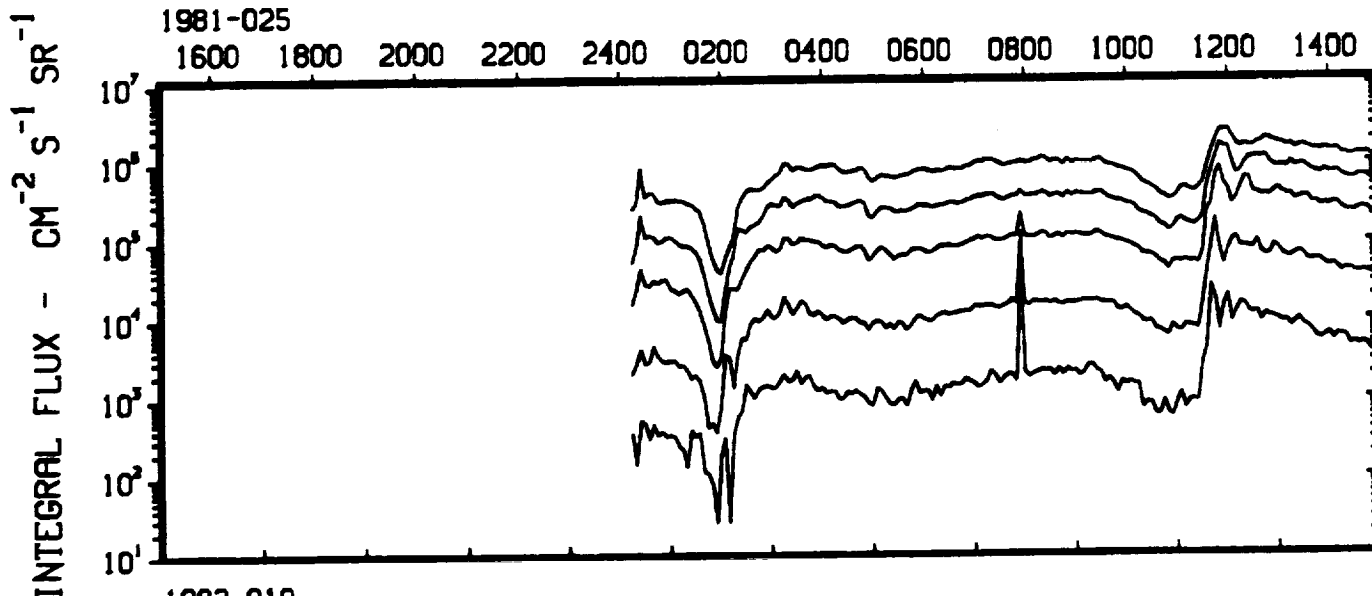


# LOW ENERGY IONS

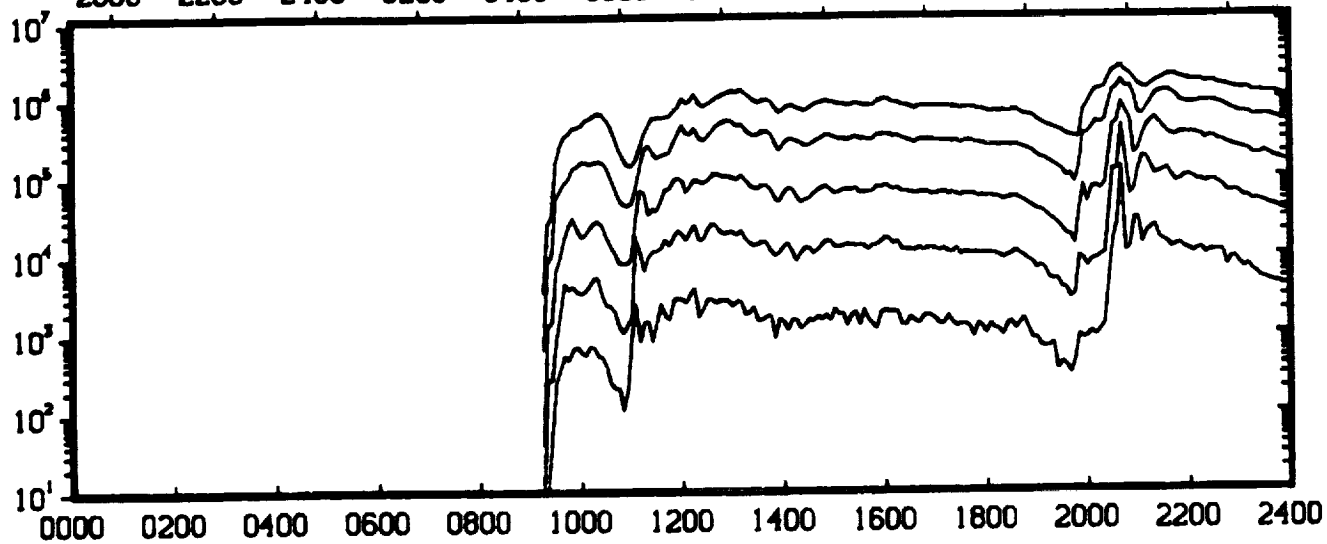
1977-007 83/05/01  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

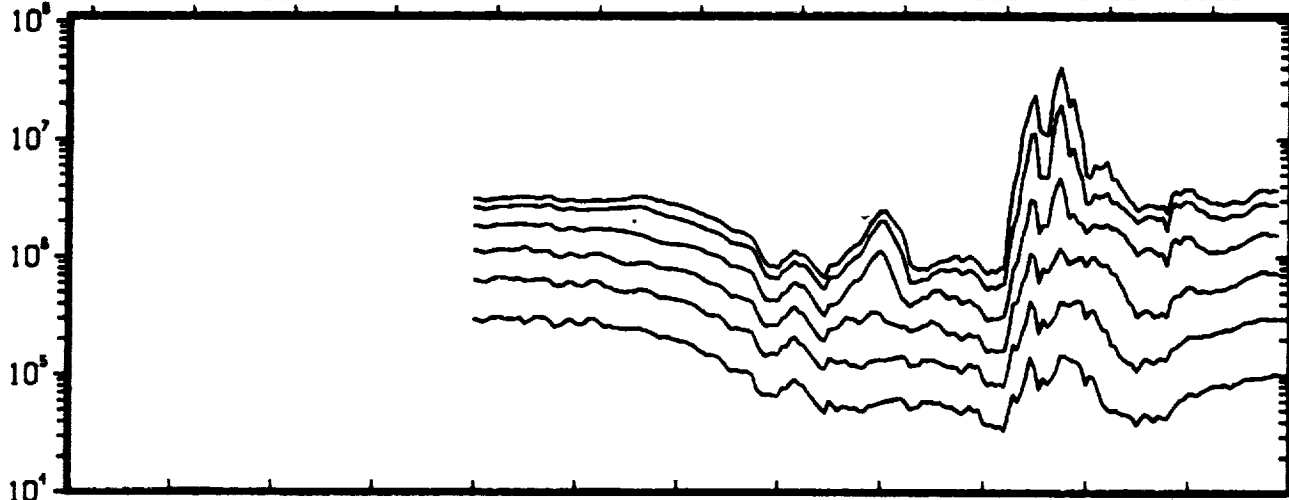


# LOW ENERGY ELECTRONS

1977-007

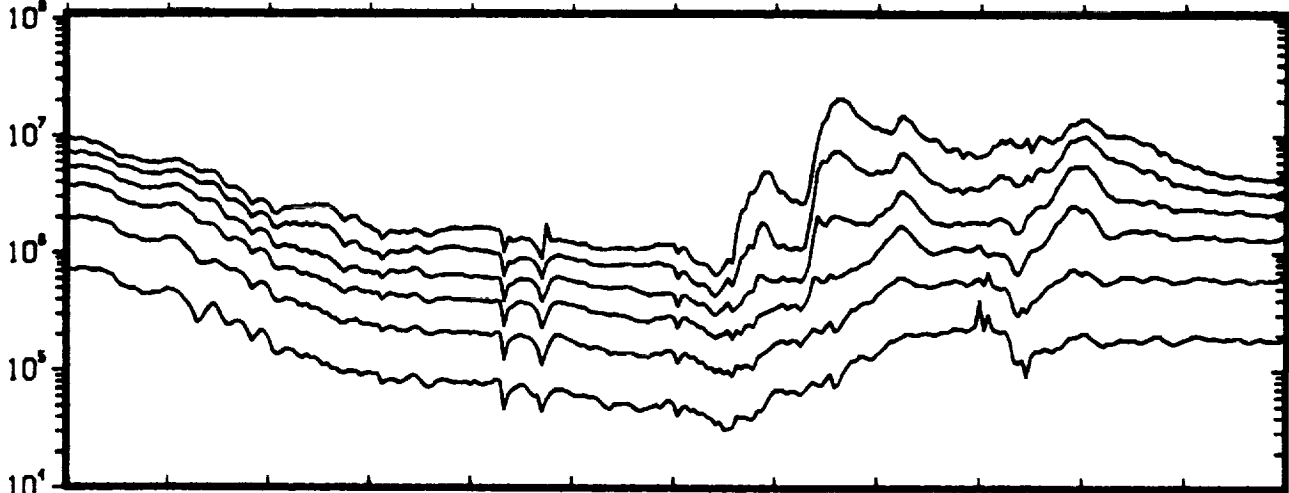
83/05/02

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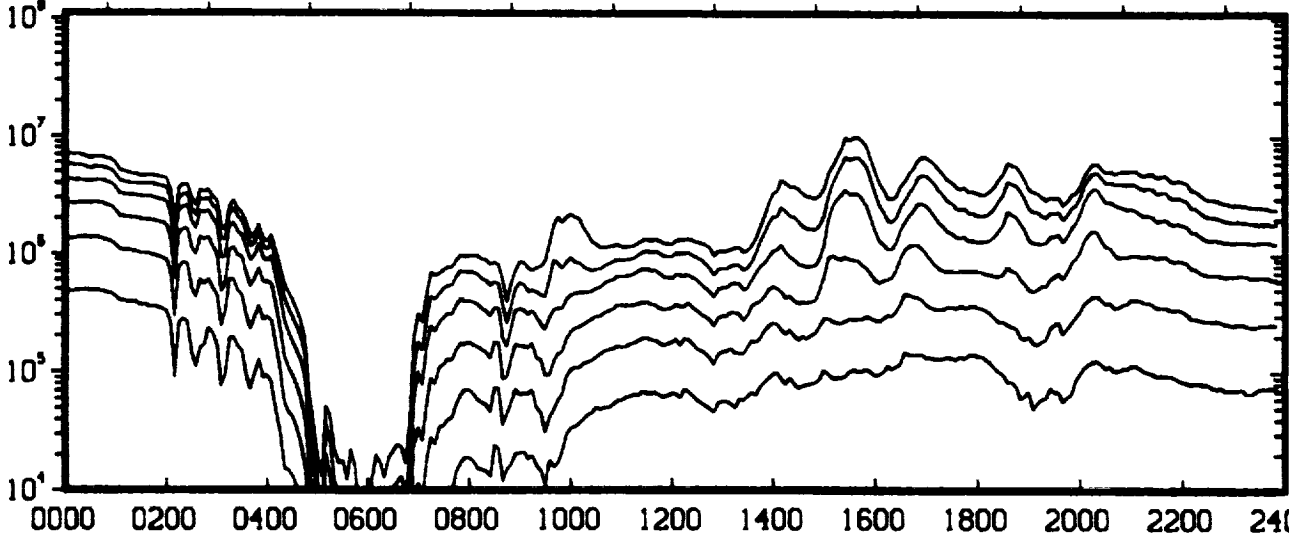
1981-025

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1982-019

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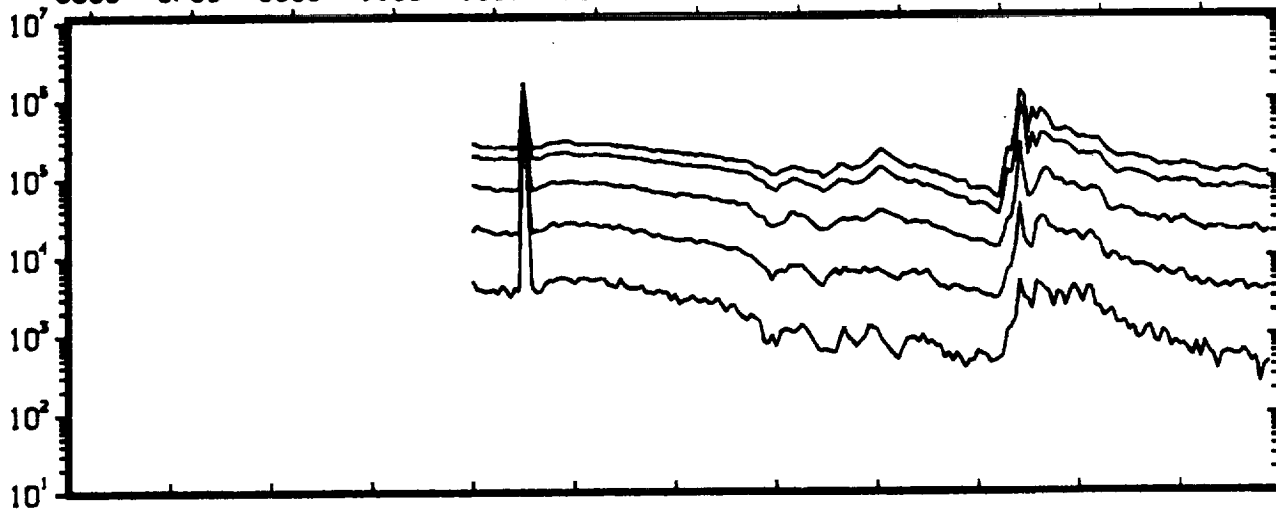
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

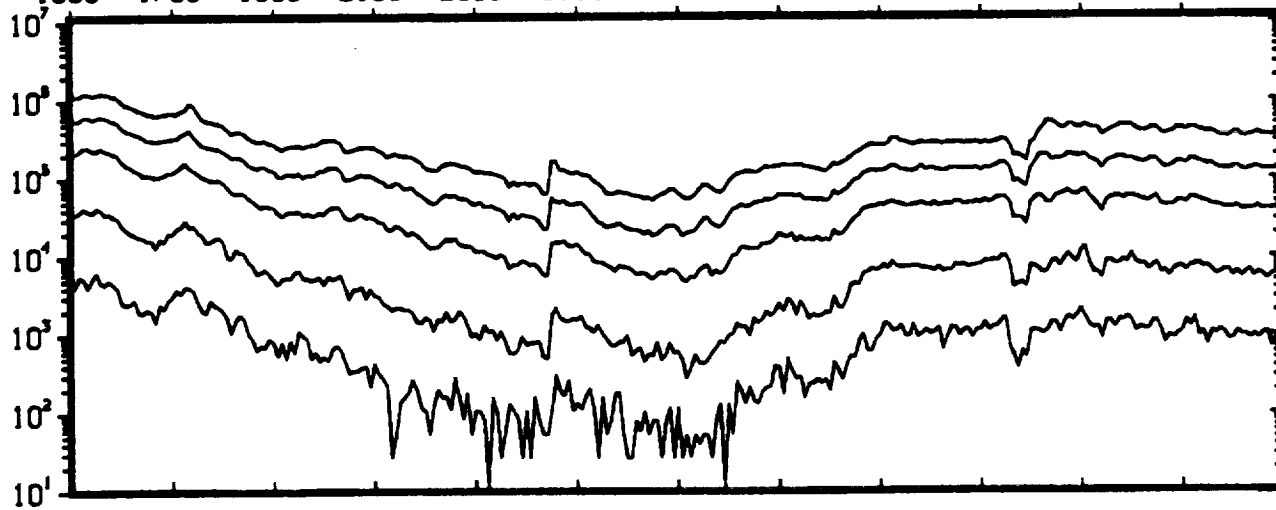
83/05/02

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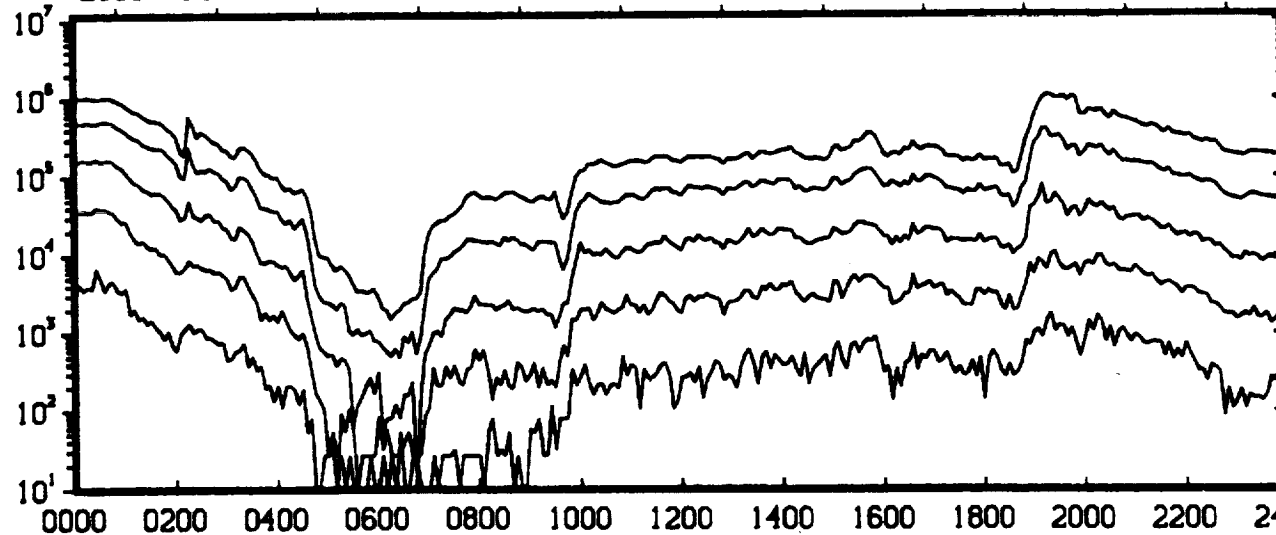
1981-025

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1982-019

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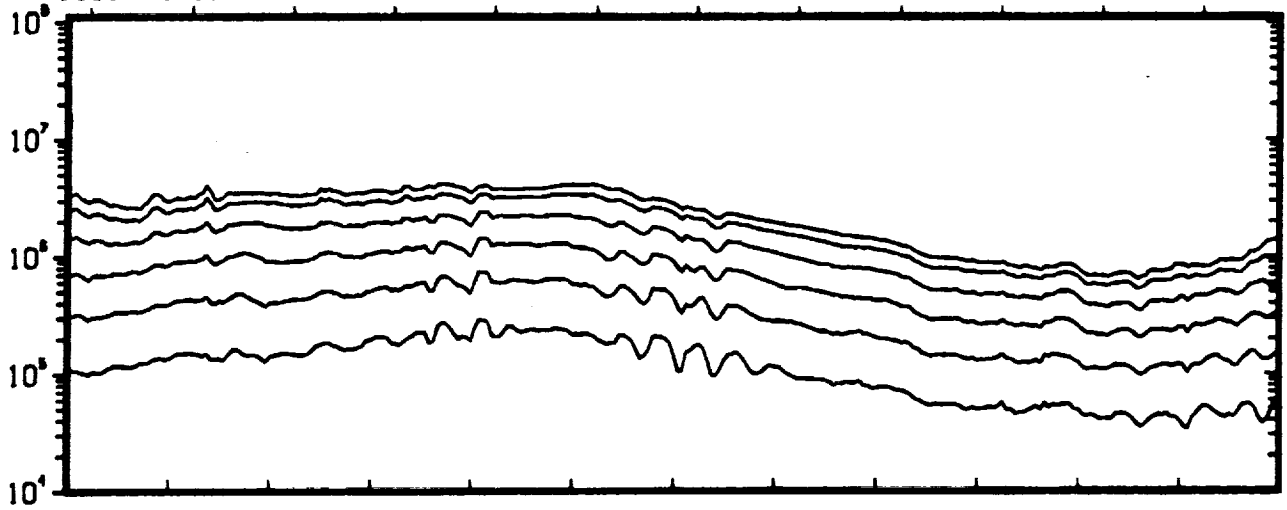
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

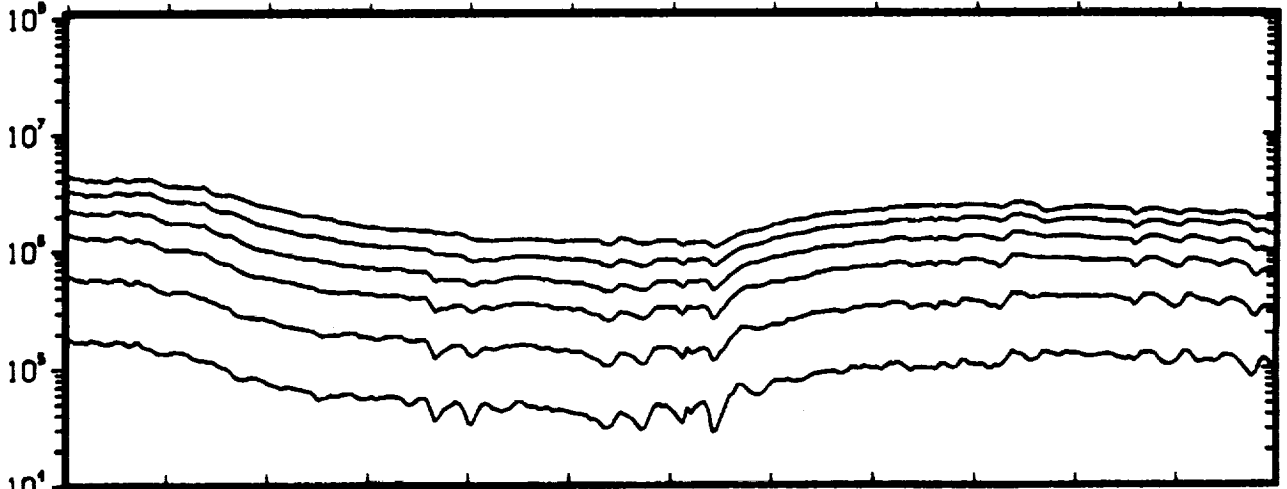
83/05/03

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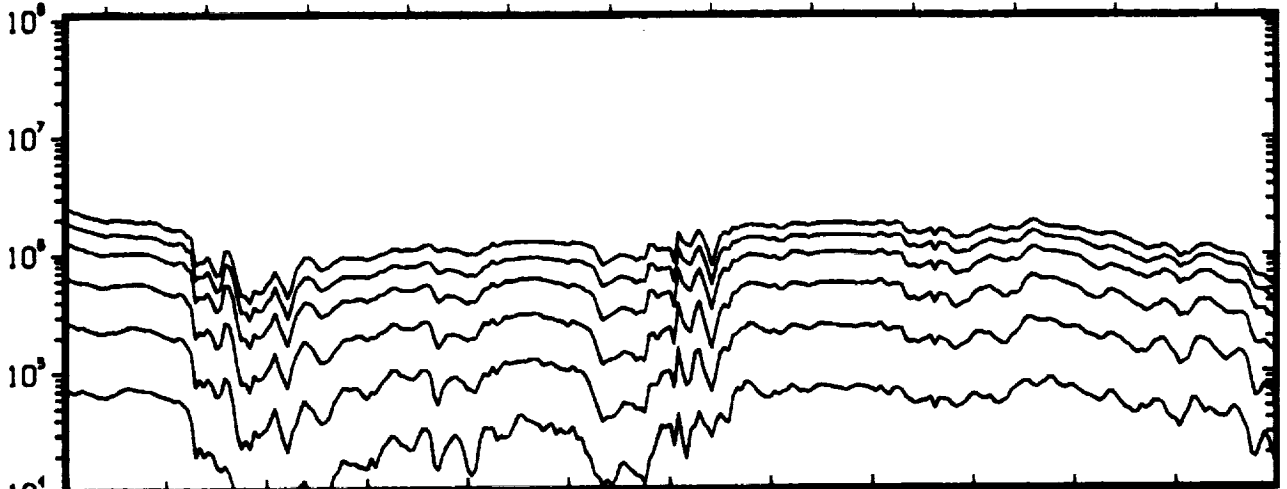
1981-025

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1982-019

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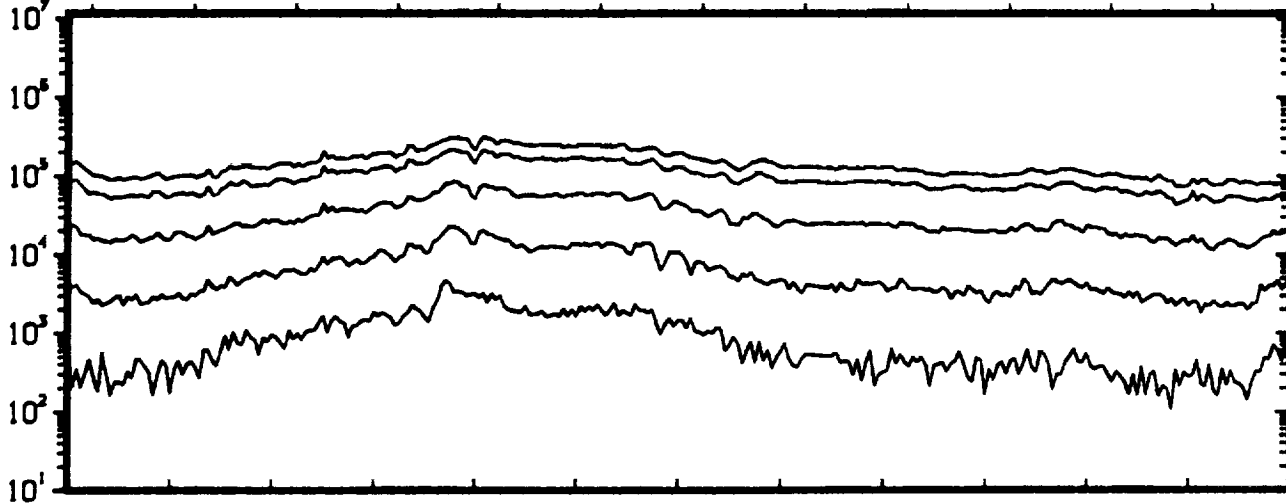
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

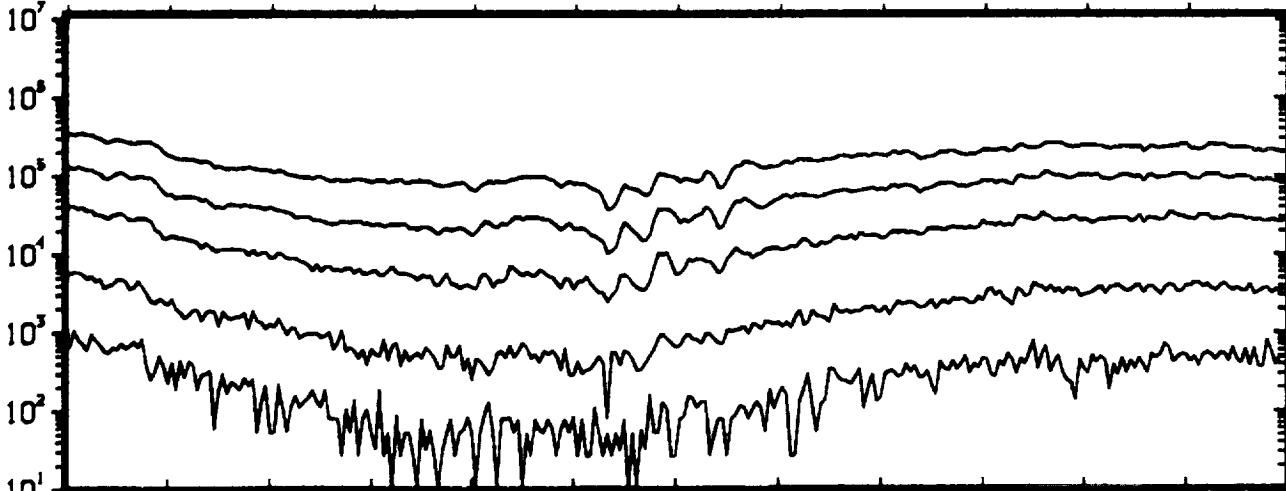
83/05/03

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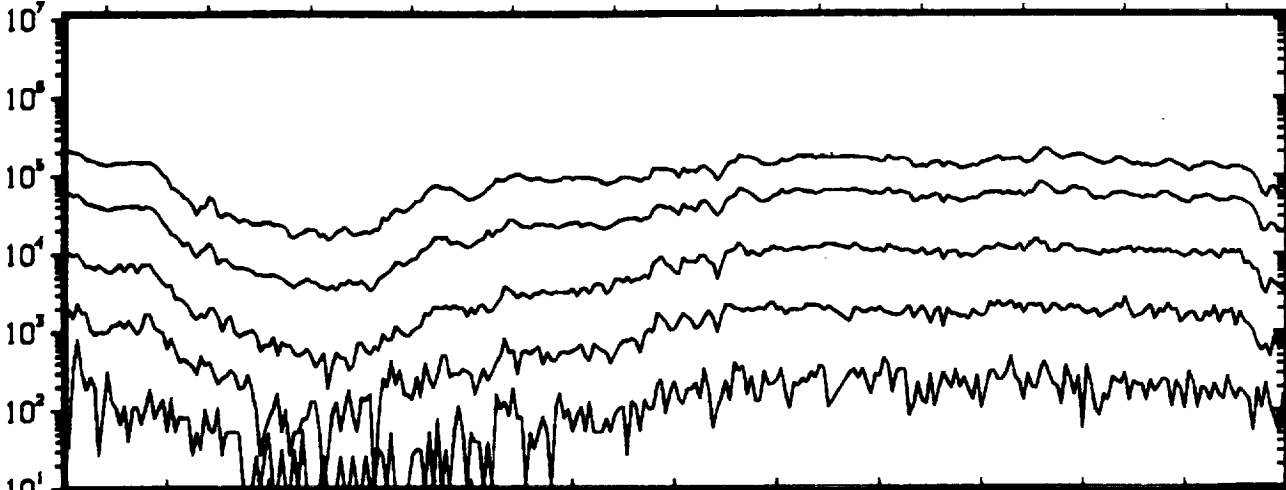
1981-025

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1982-019

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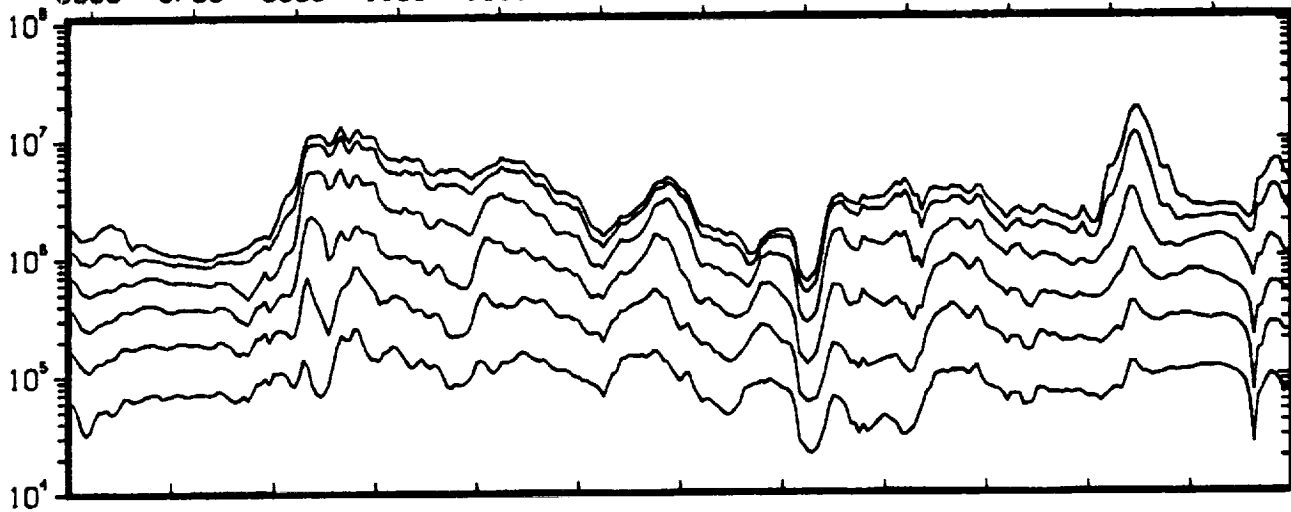
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

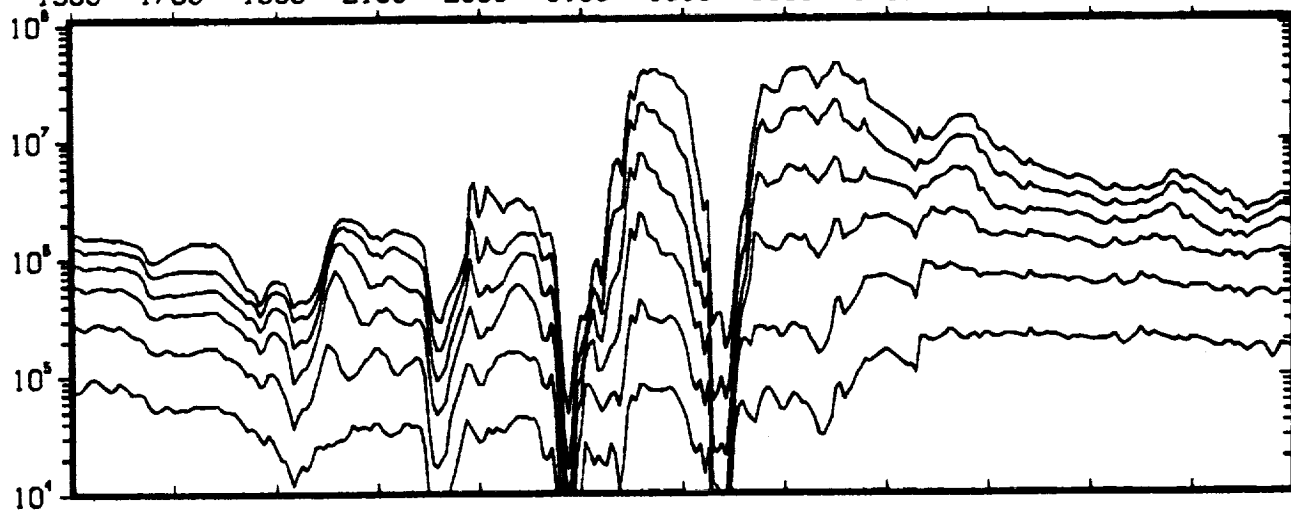
83/05/04

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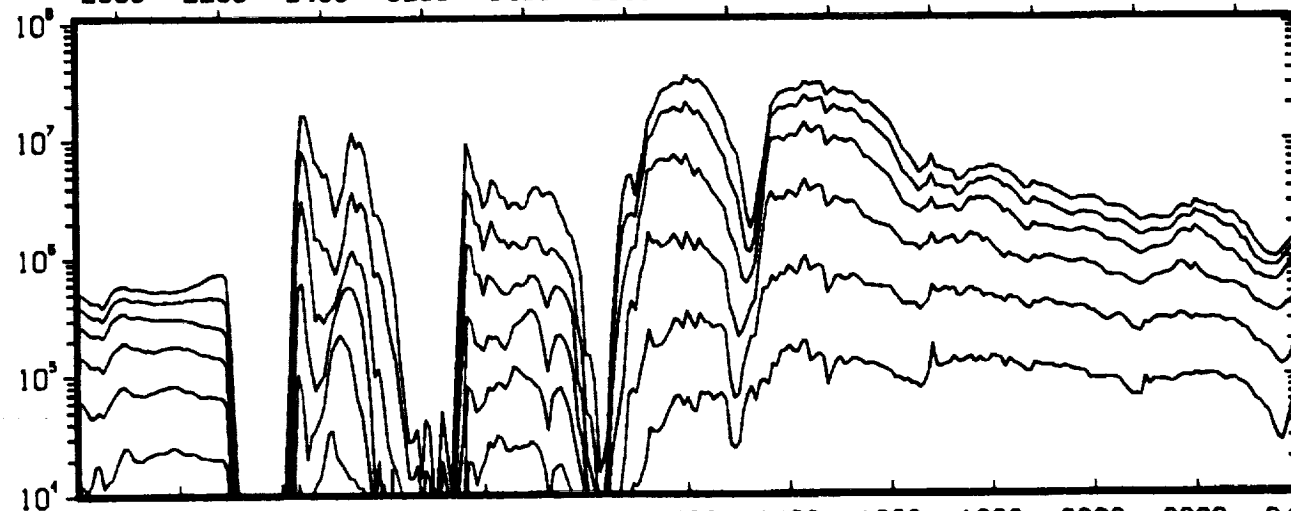
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

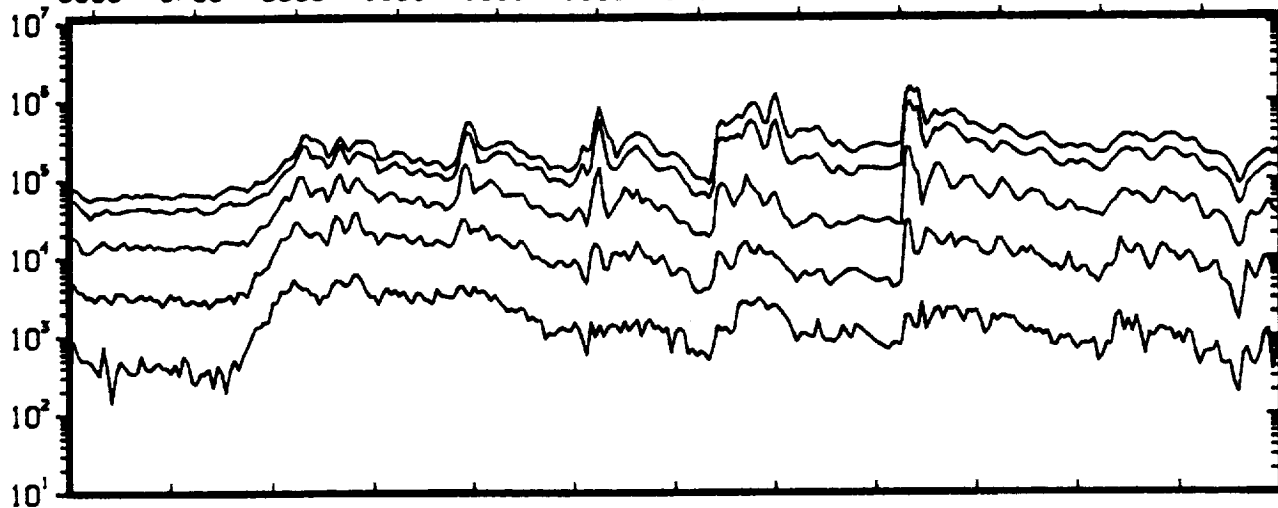


# LOW ENERGY IONS

1977-007

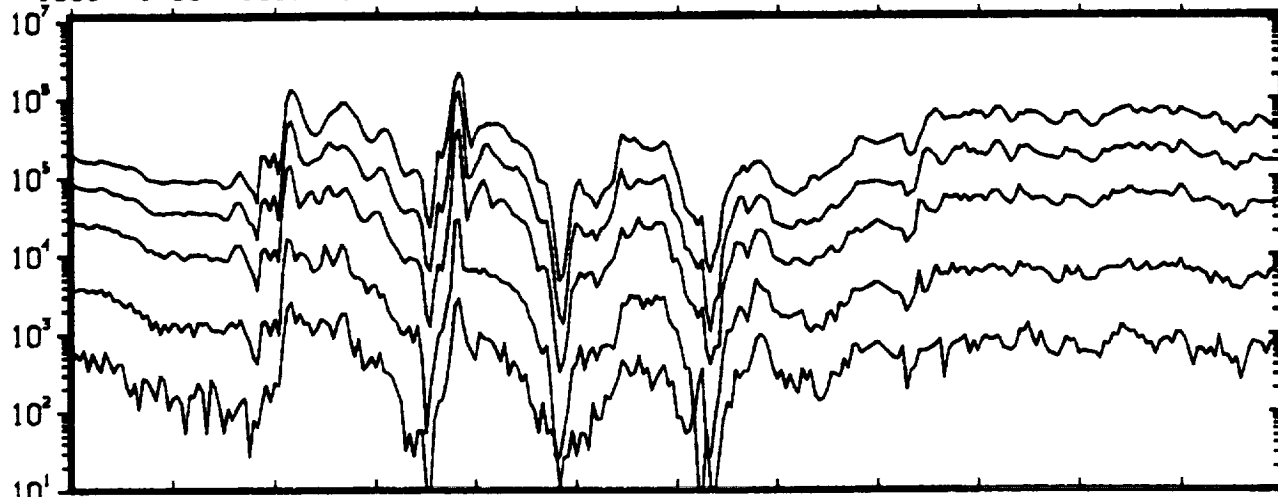
83/05/04

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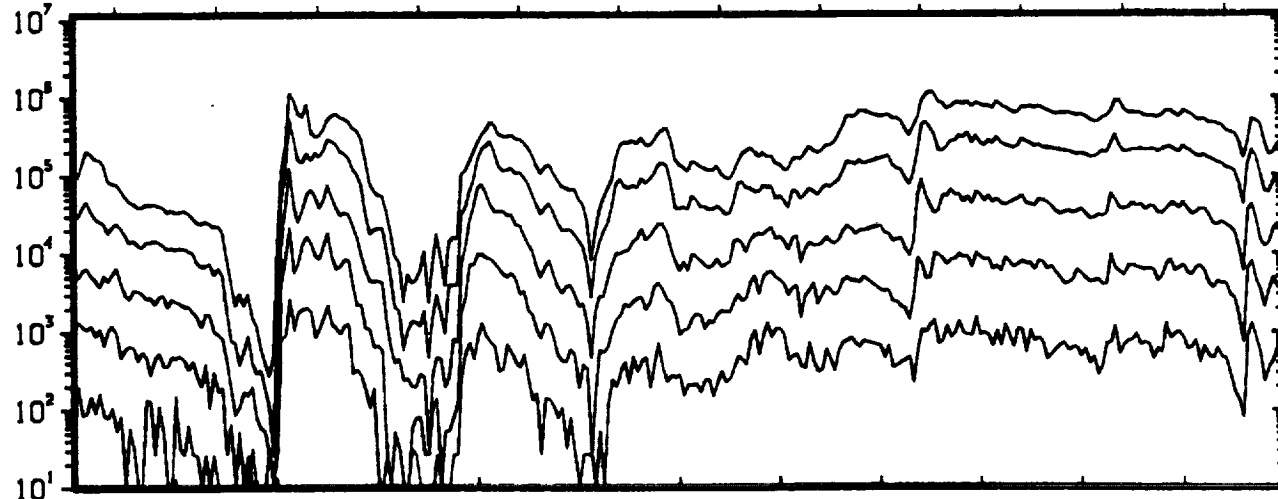
1981-025

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1982-019

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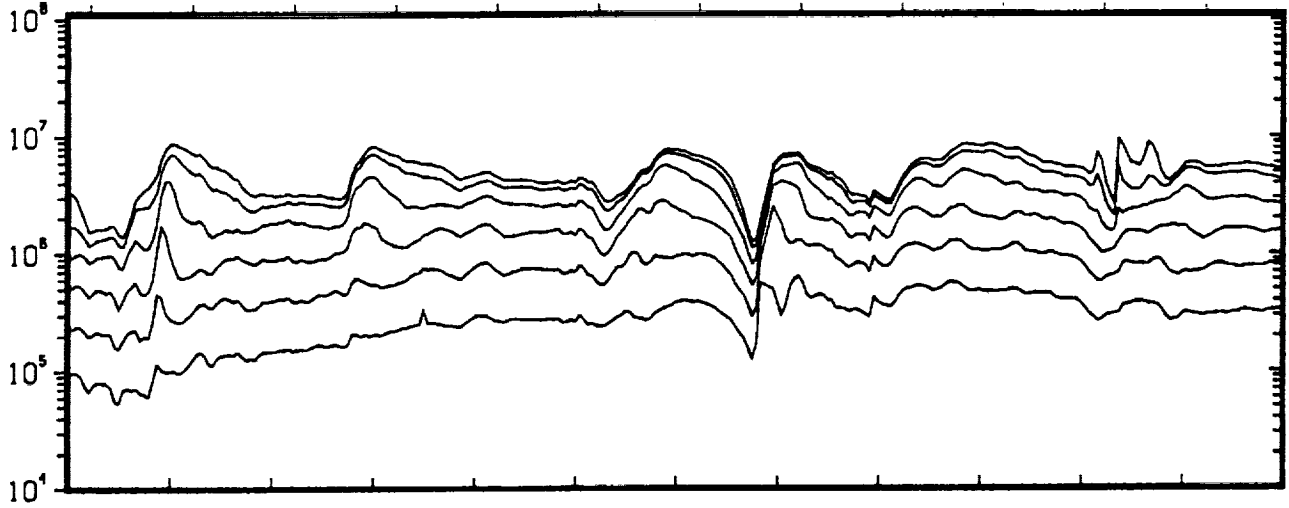
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

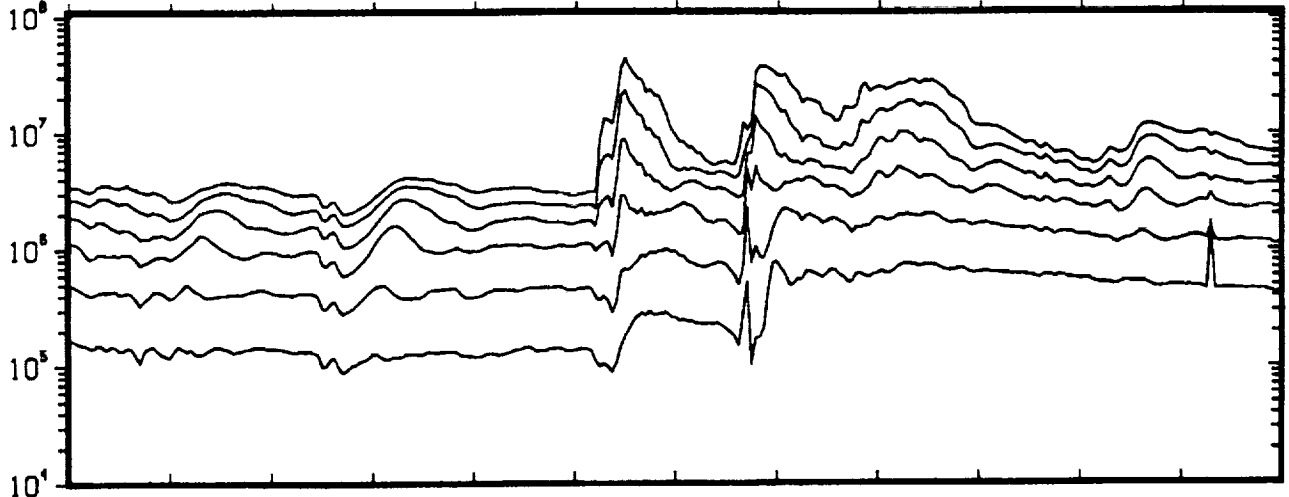
83/05/05

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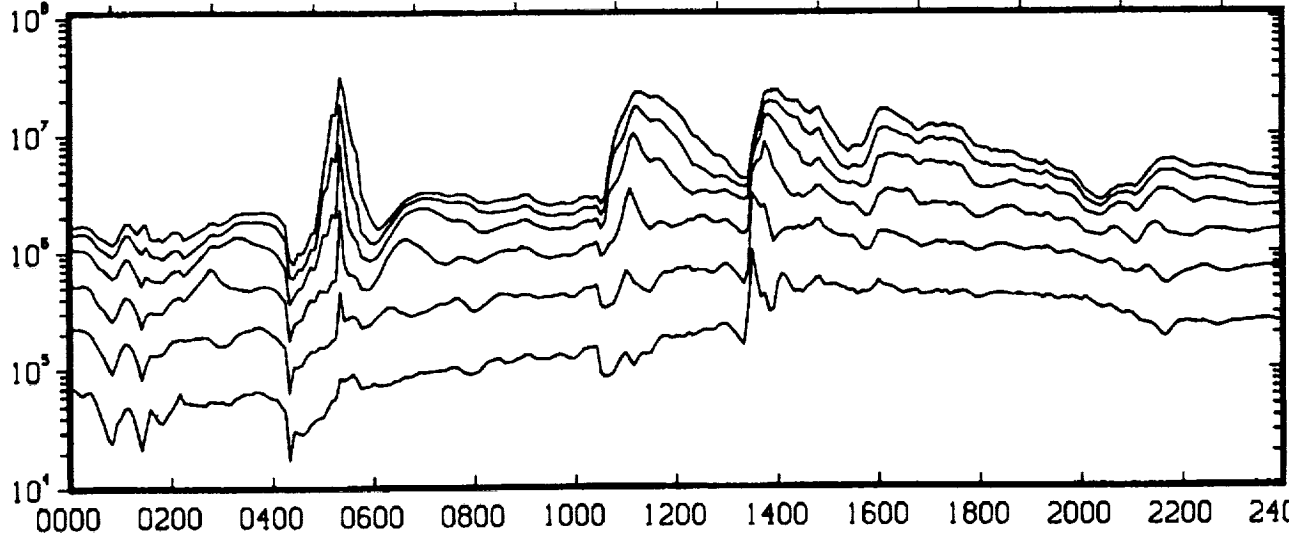
1981-025

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1982-019

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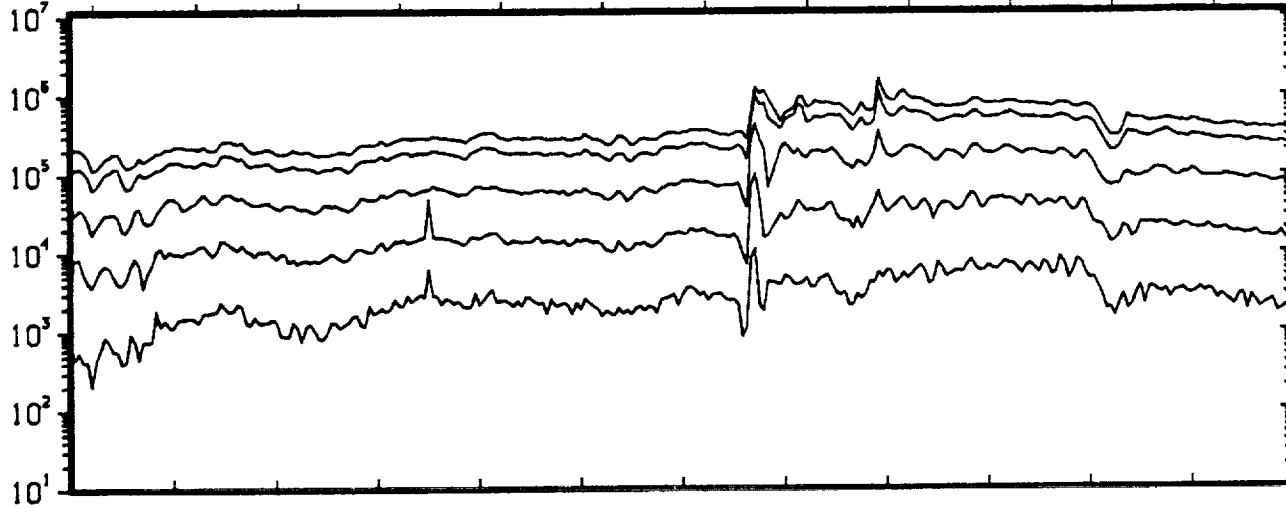
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

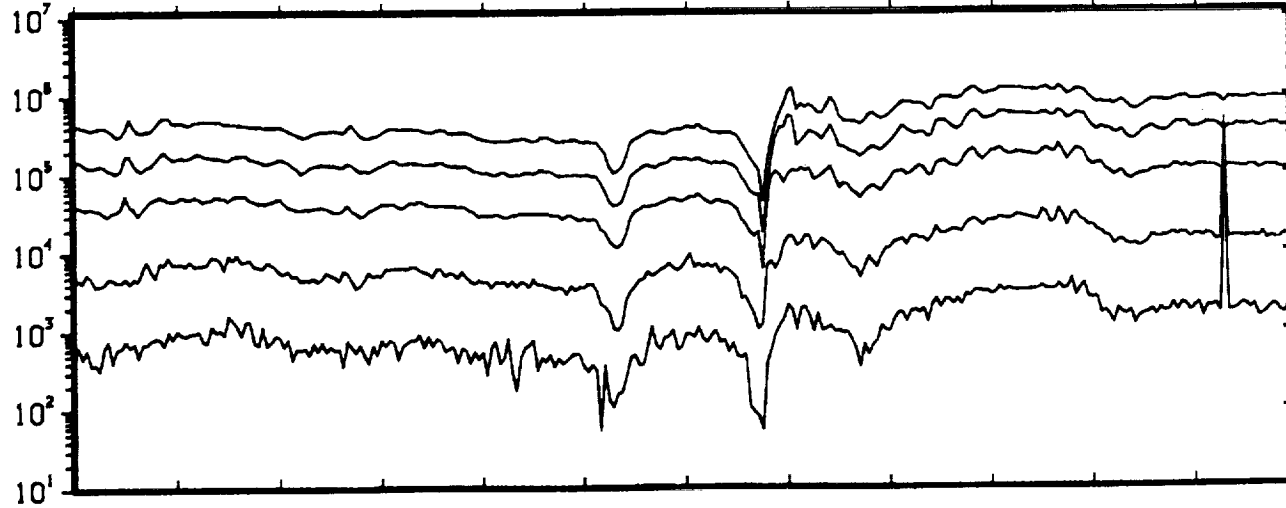
83/05/05

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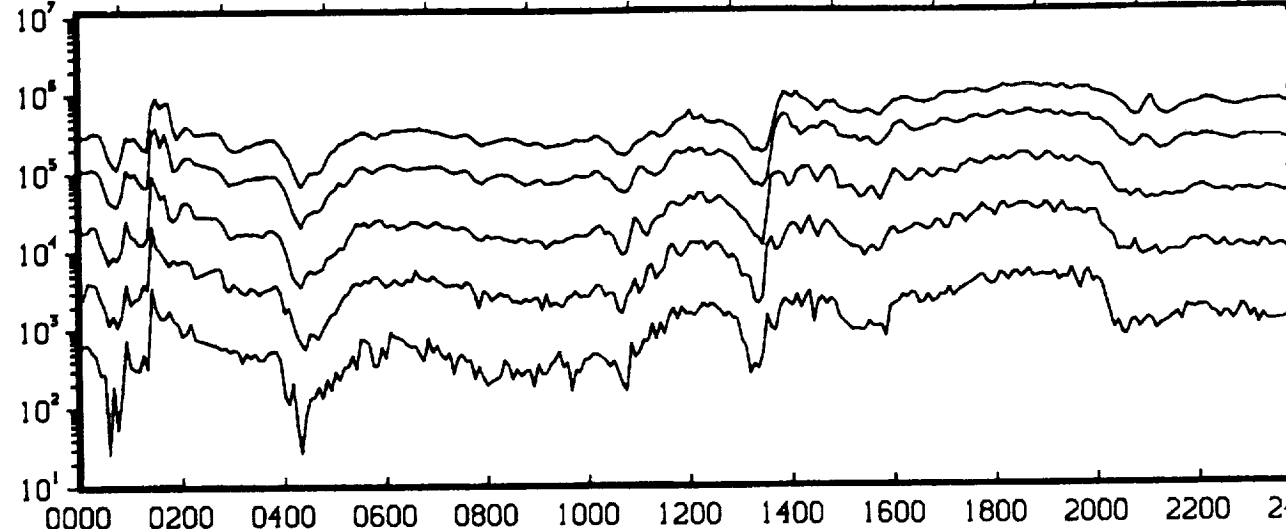
1981-025

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1982-019

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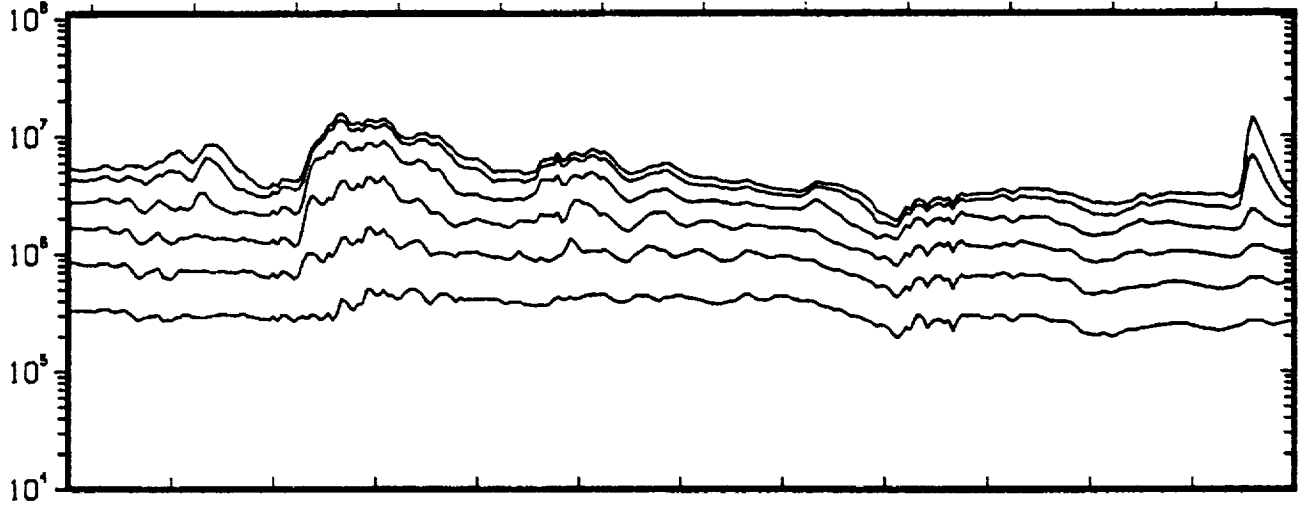
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

LOW ENERGY ELECTRONS

1977-007

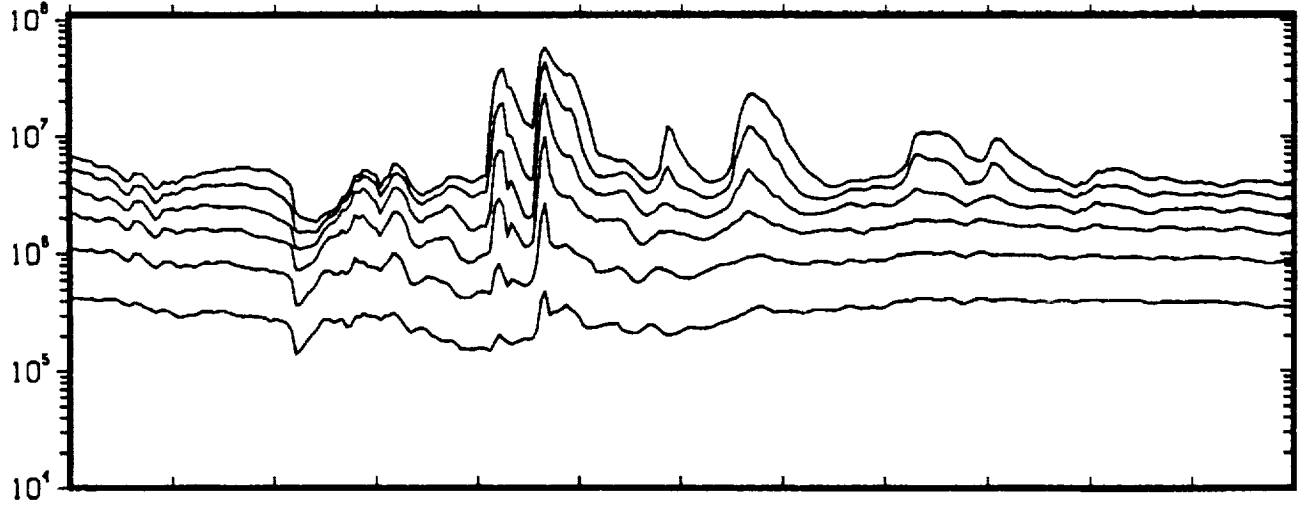
83/05/06

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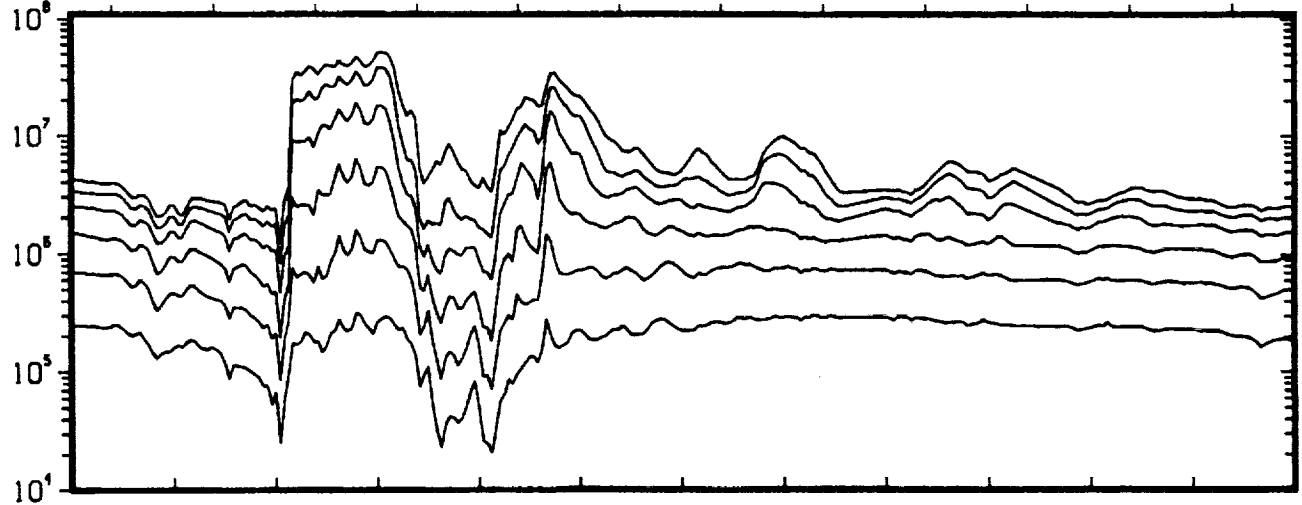
1981-025

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1982-019

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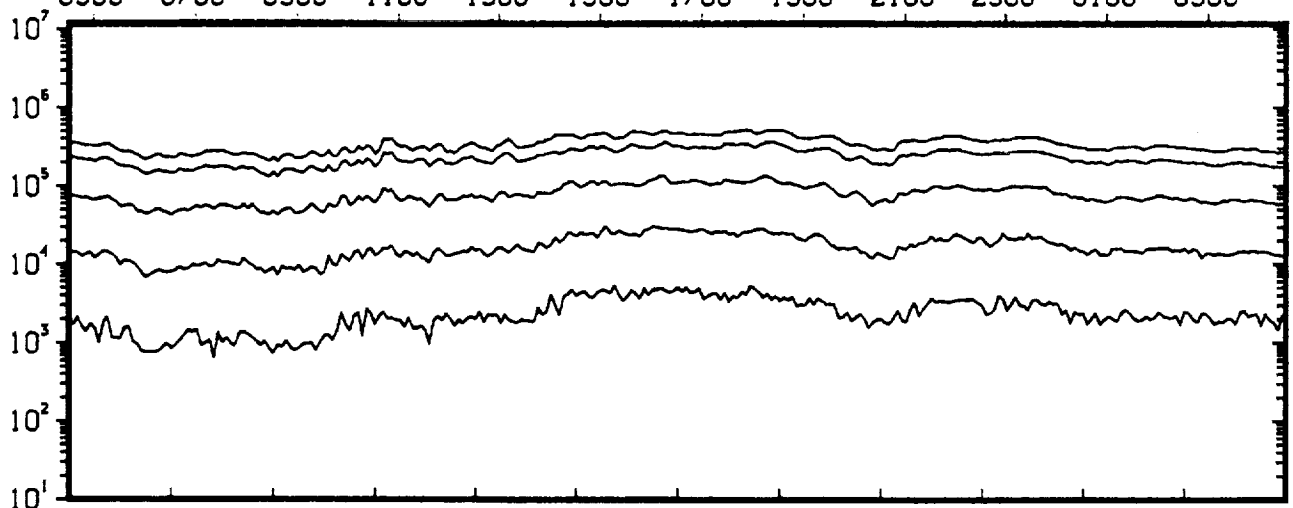
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

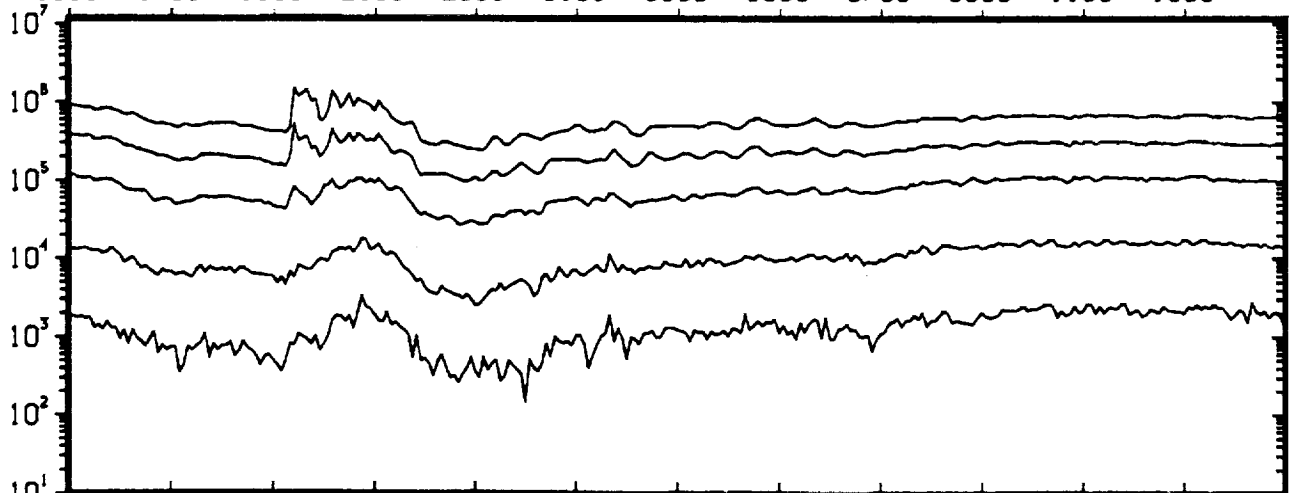
83/05/06

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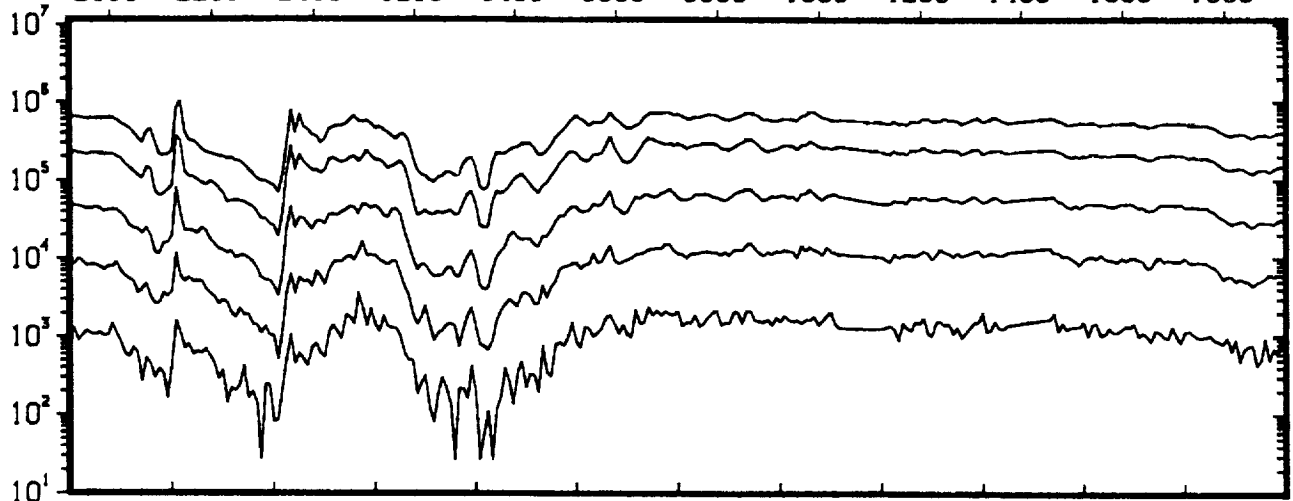
1981-025

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1982-019

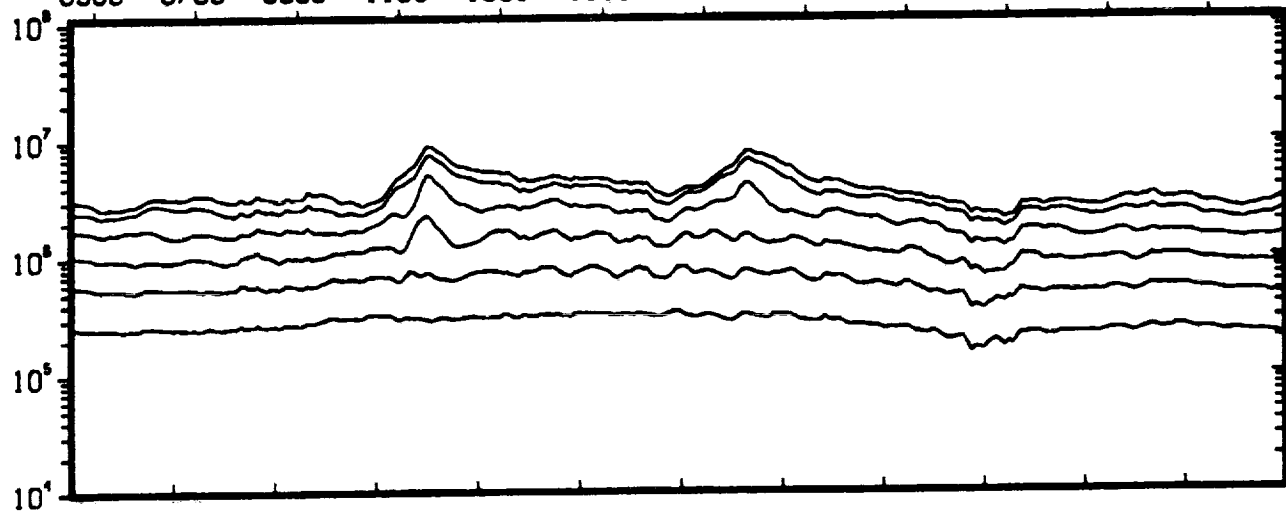
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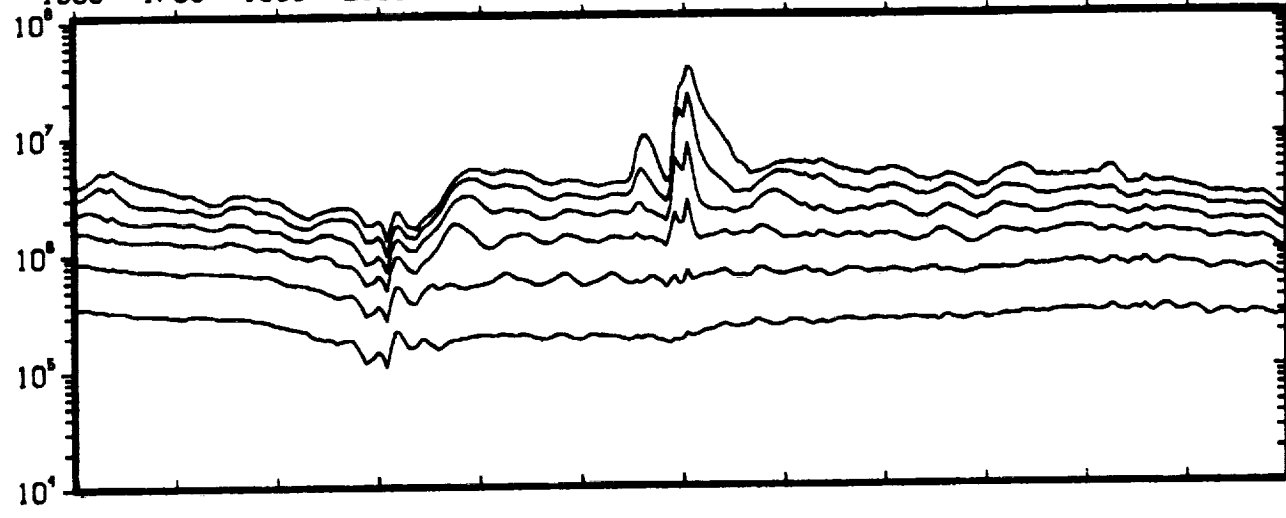
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

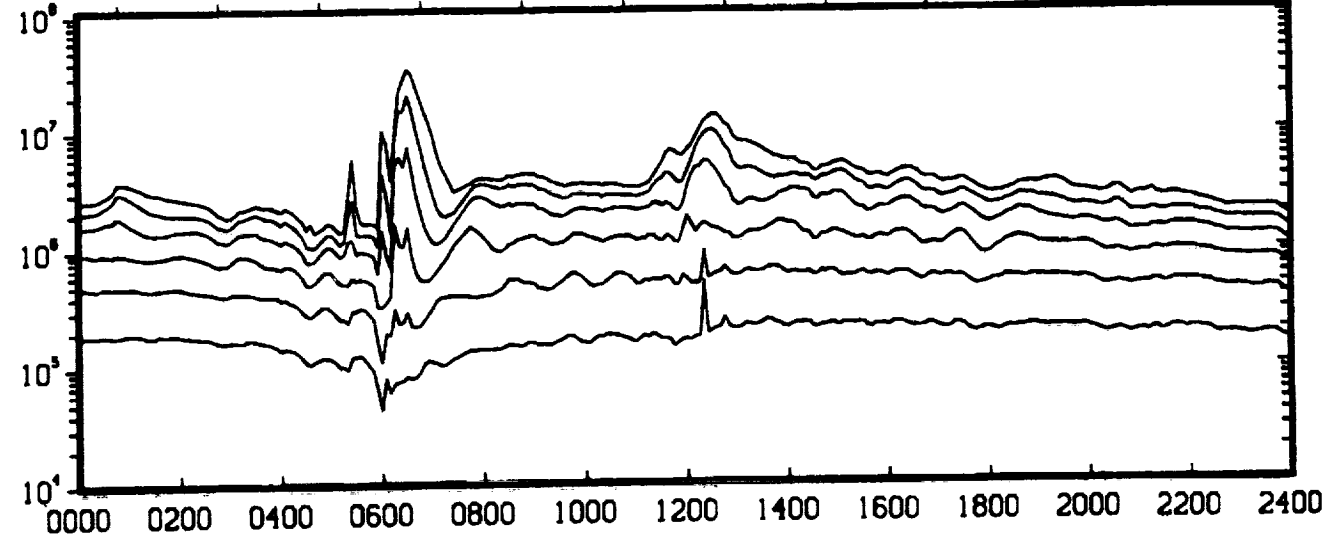
1977-007 83/05/07  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
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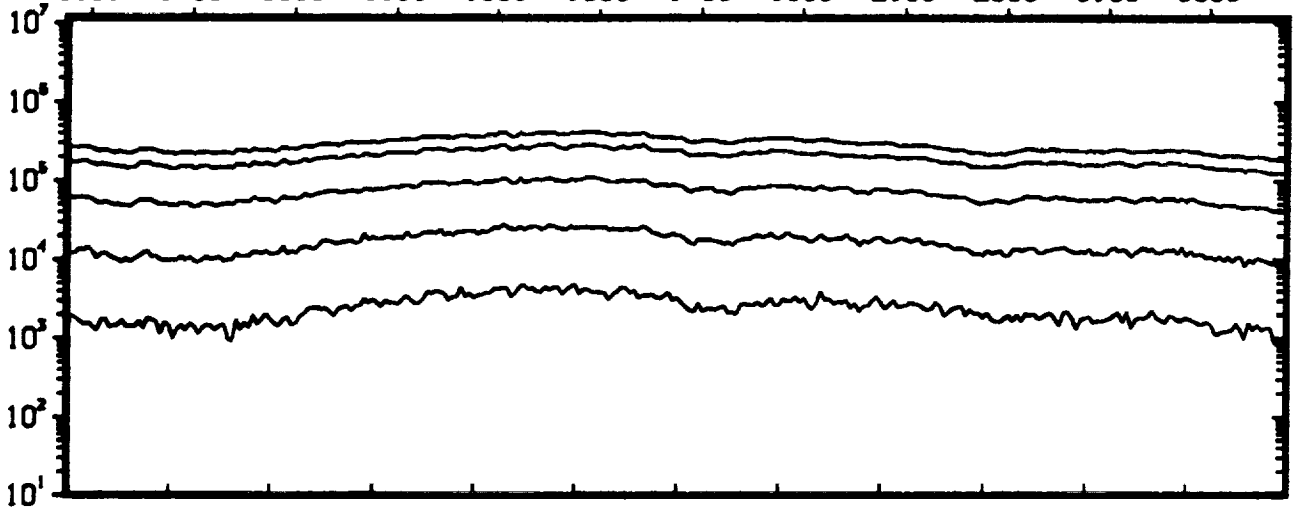
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

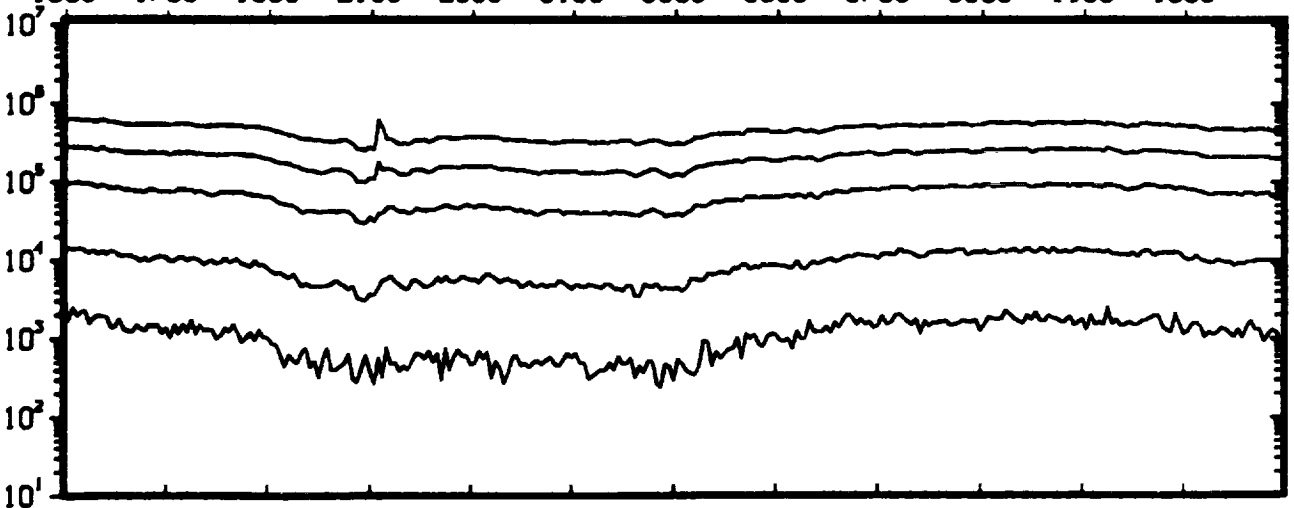
83/05/07

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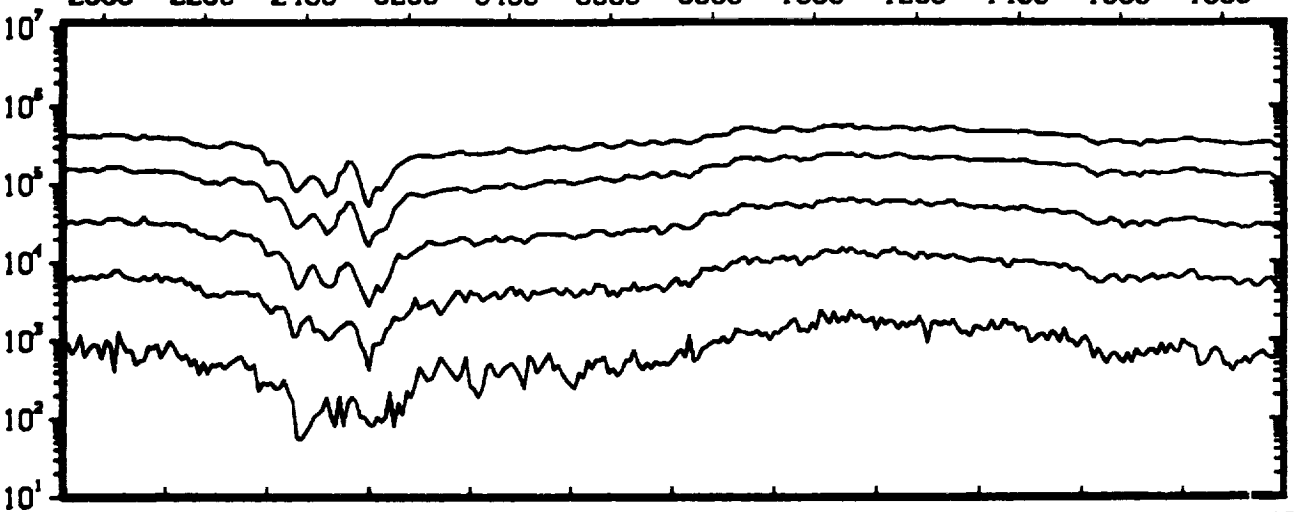
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



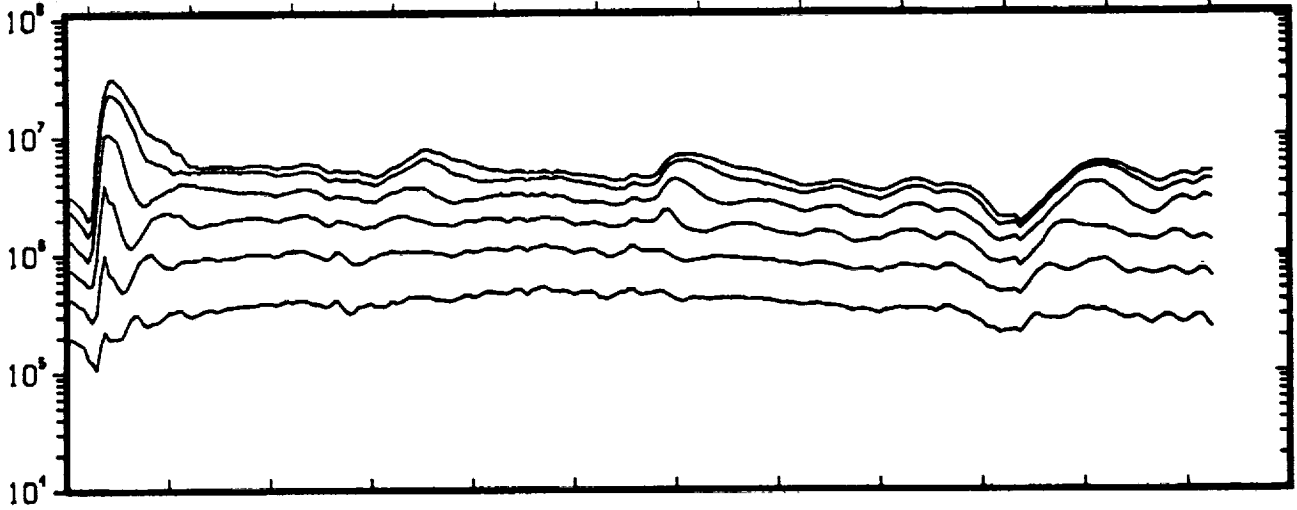
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

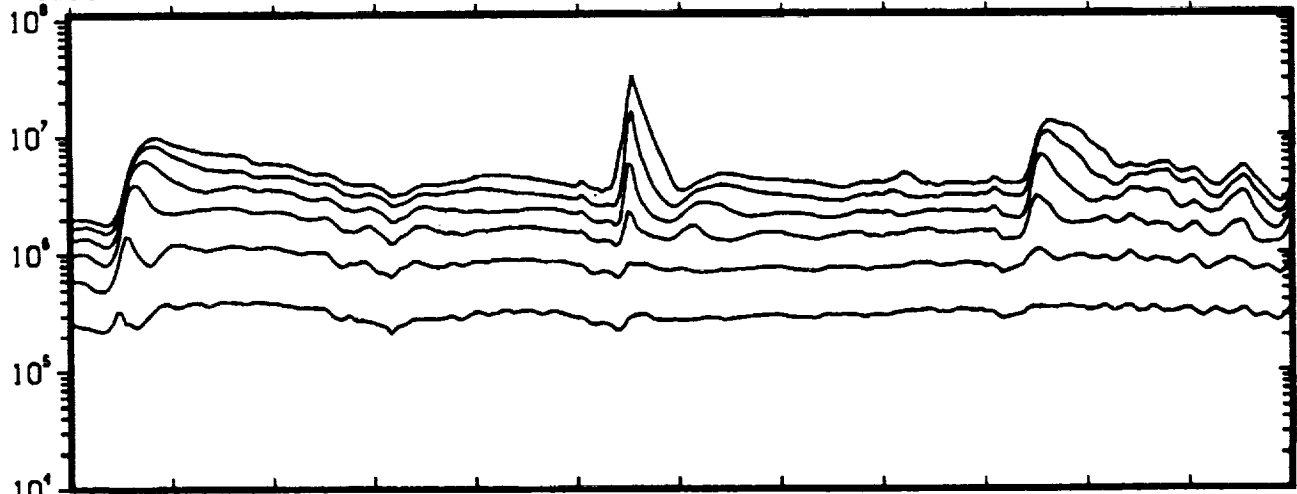
83/05/08

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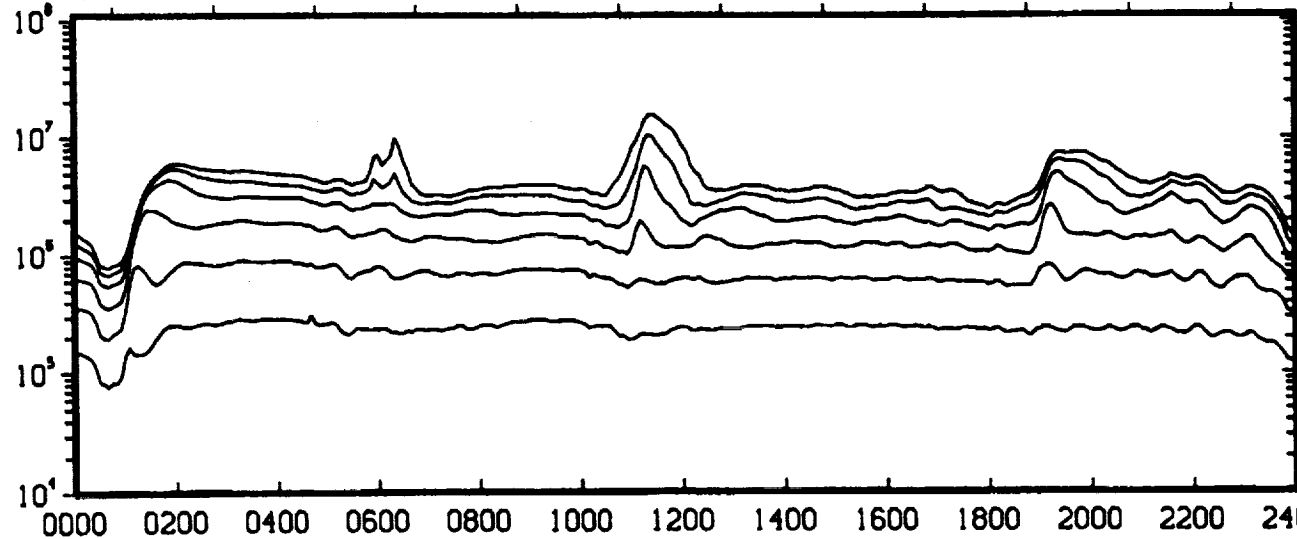
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

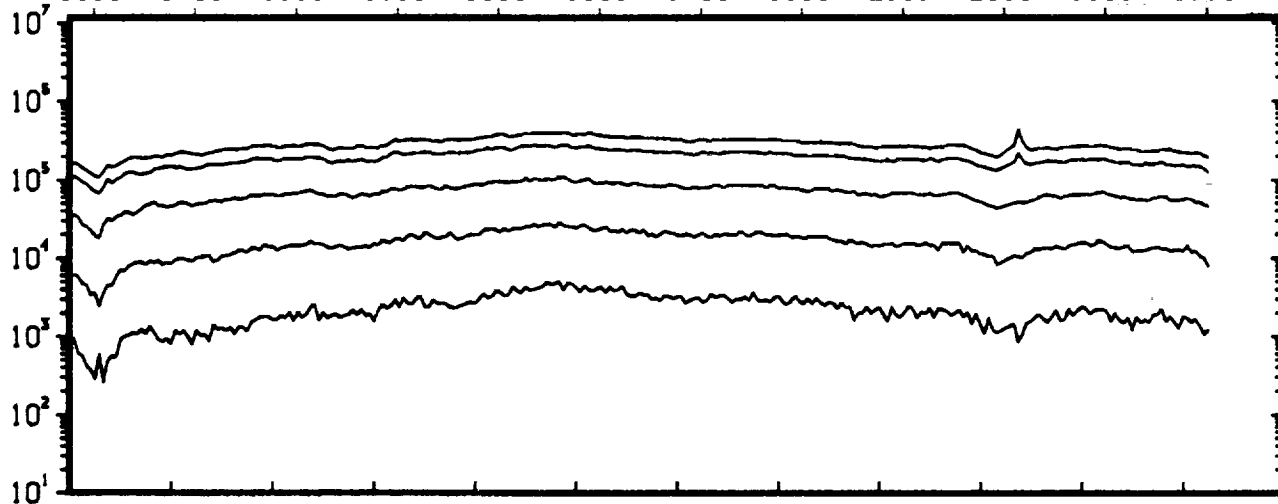


# LOW ENERGY IONS

1977-007

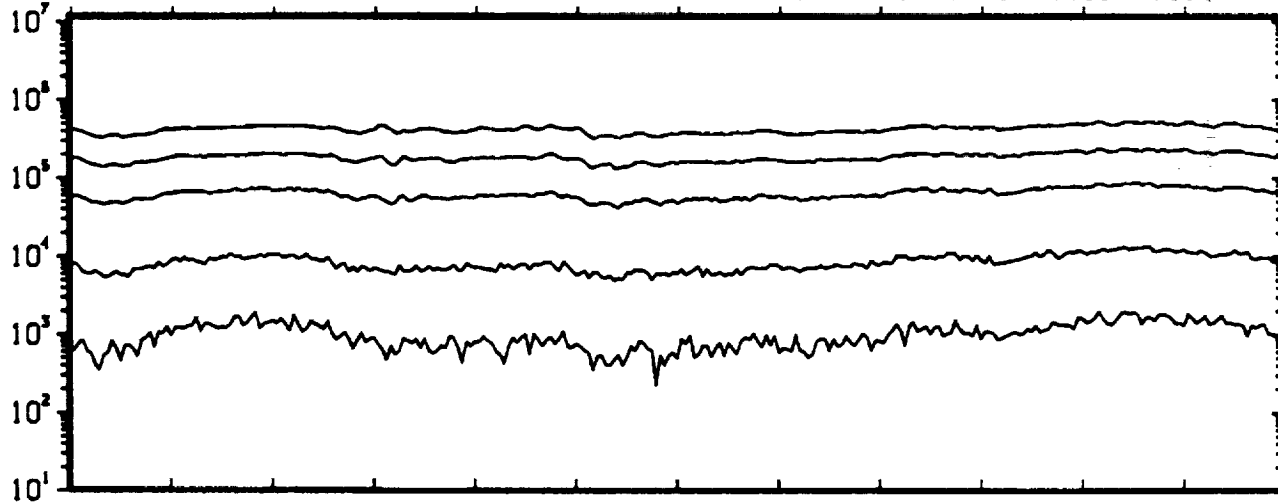
83/05/08

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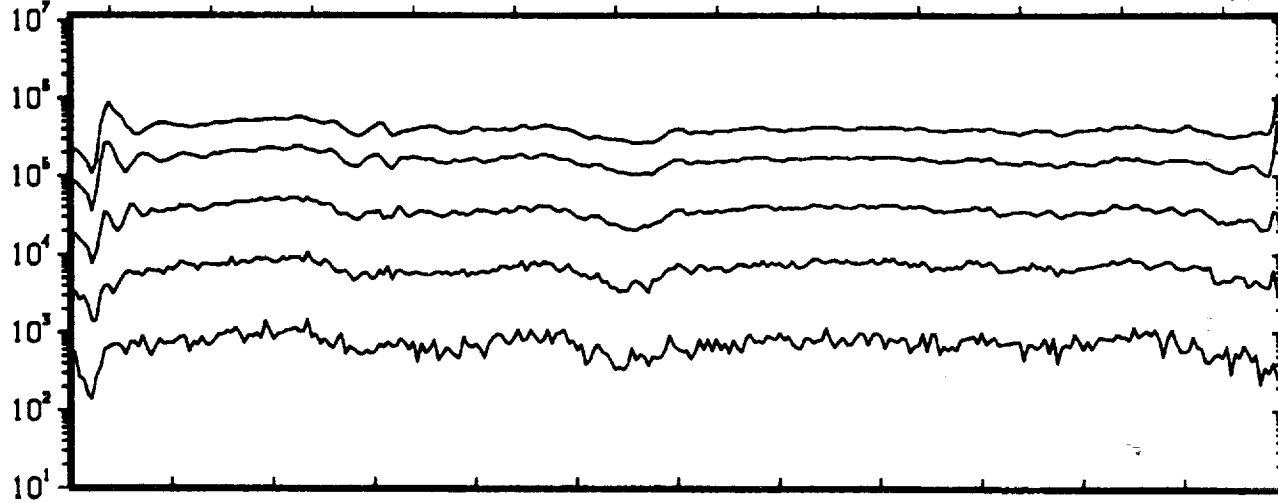
1981-025

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1982-019

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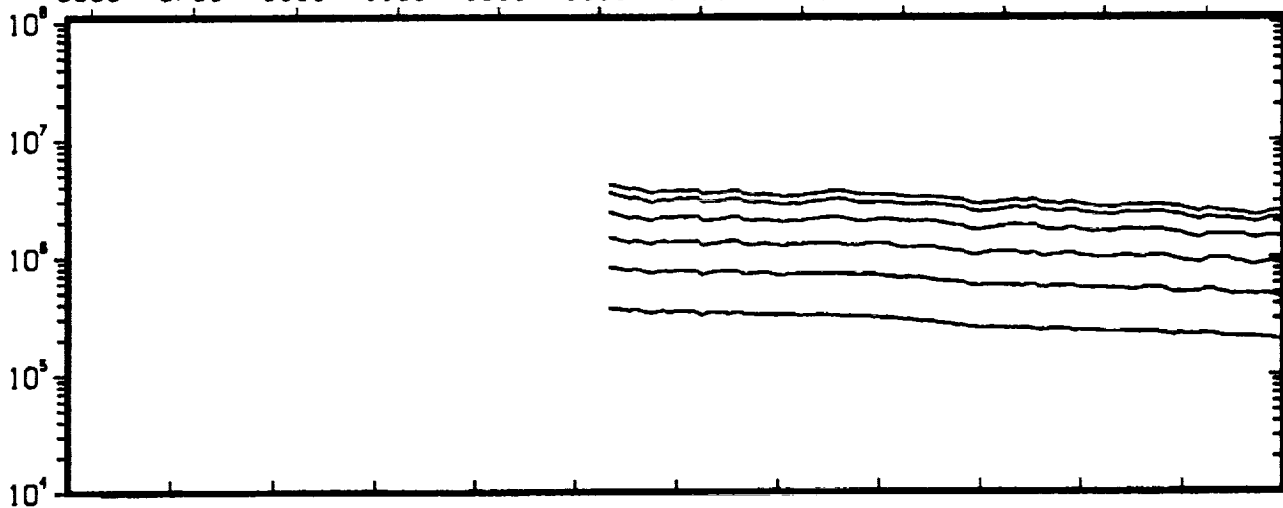
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

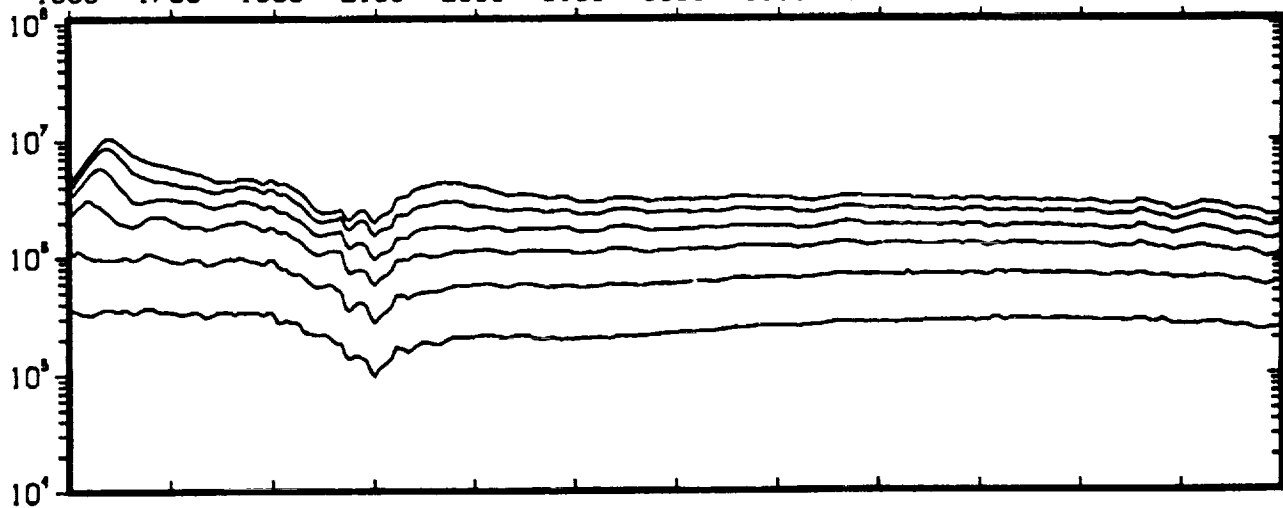
83/05/09

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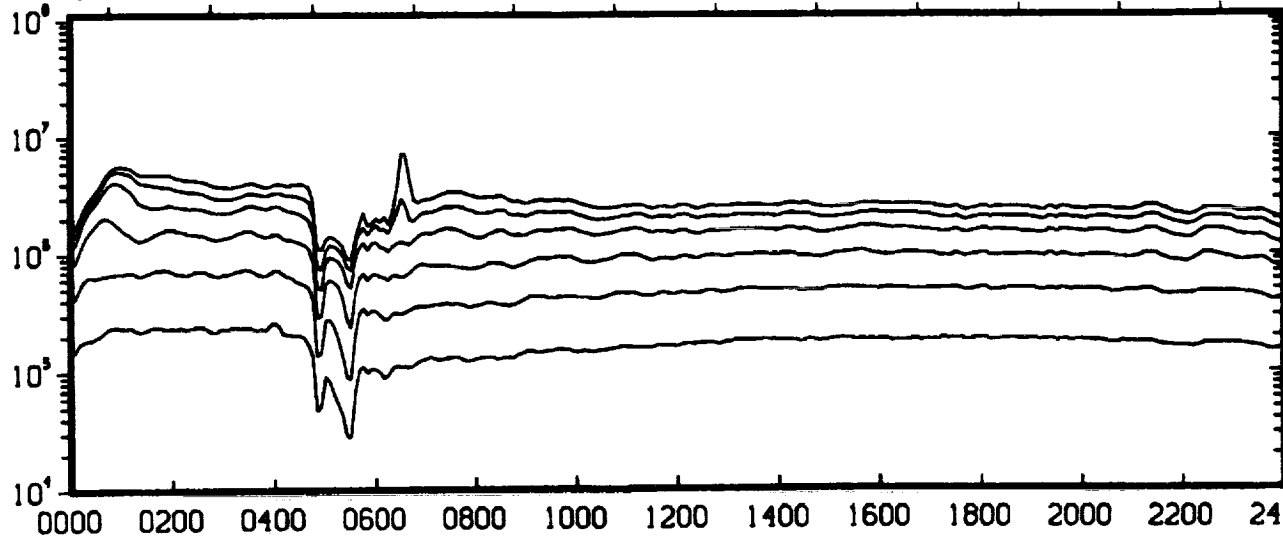
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



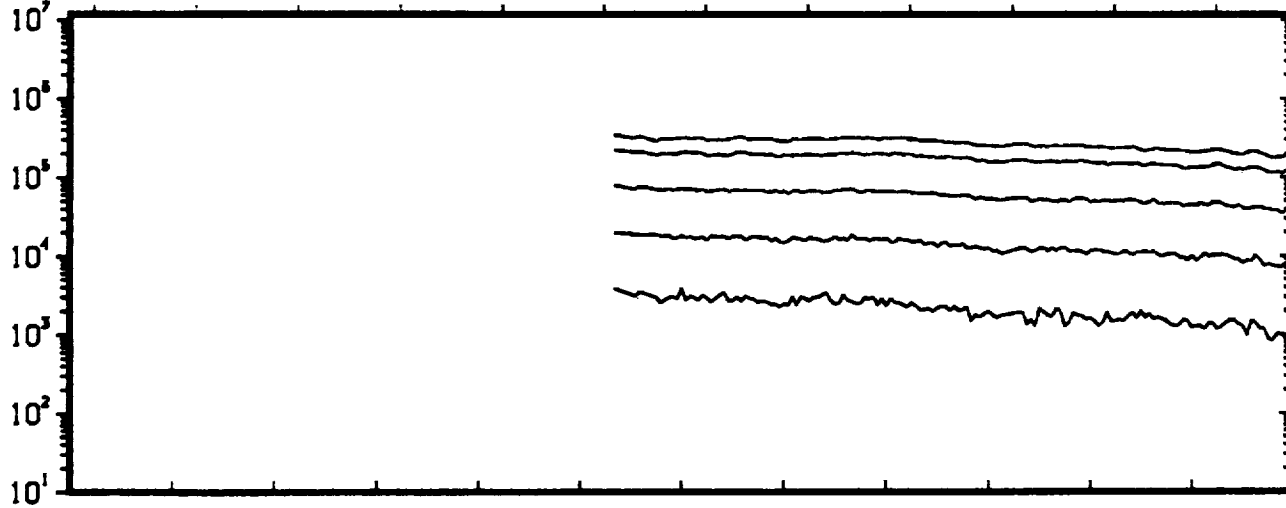
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

LOW ENERGY IONS

1977-007

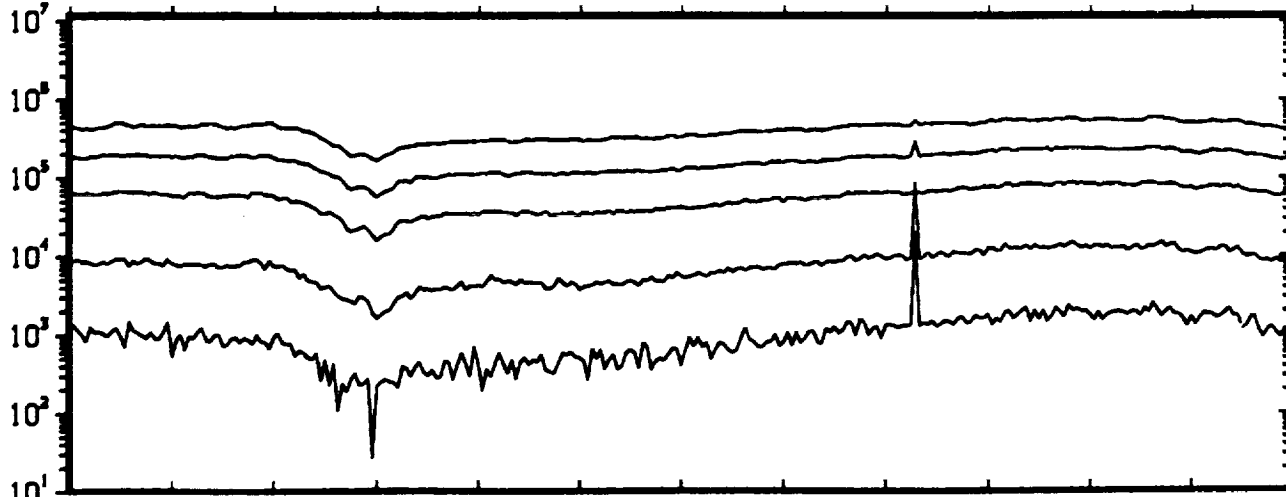
83/05/09

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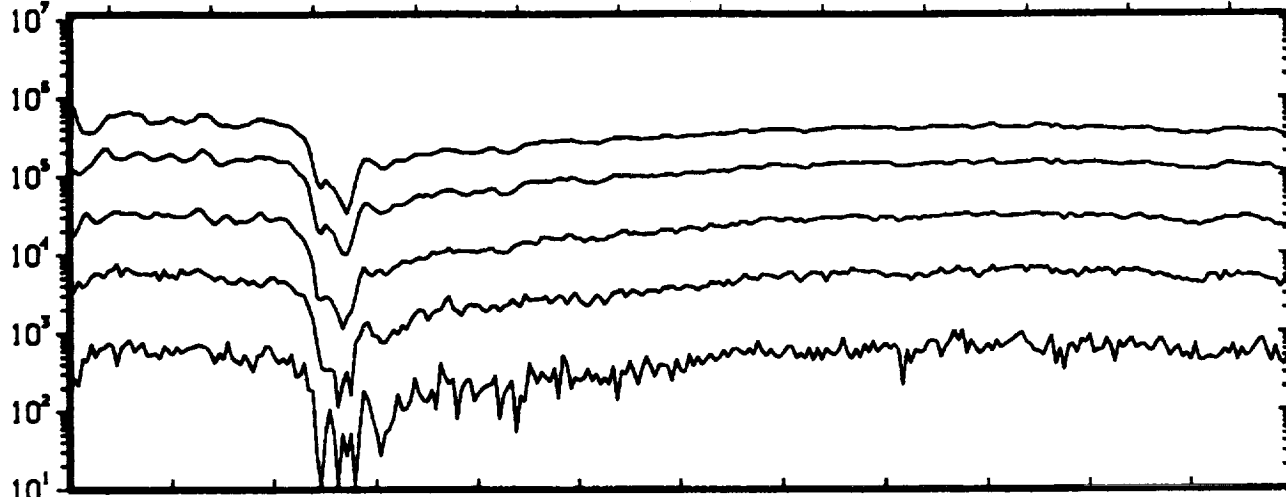
1981-025

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1982-019

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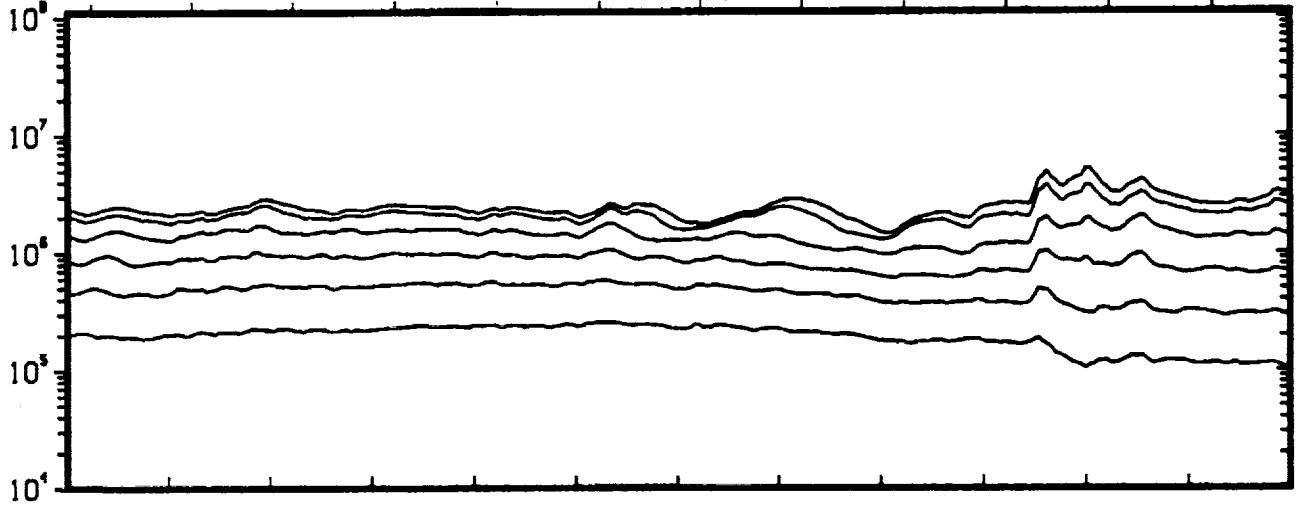
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

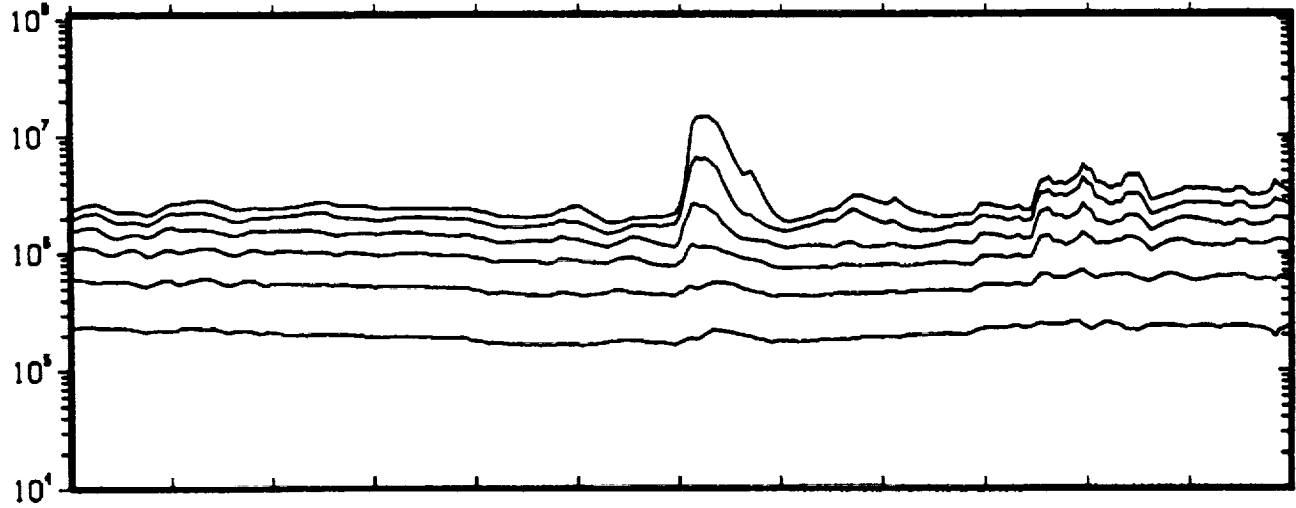
83/05/10

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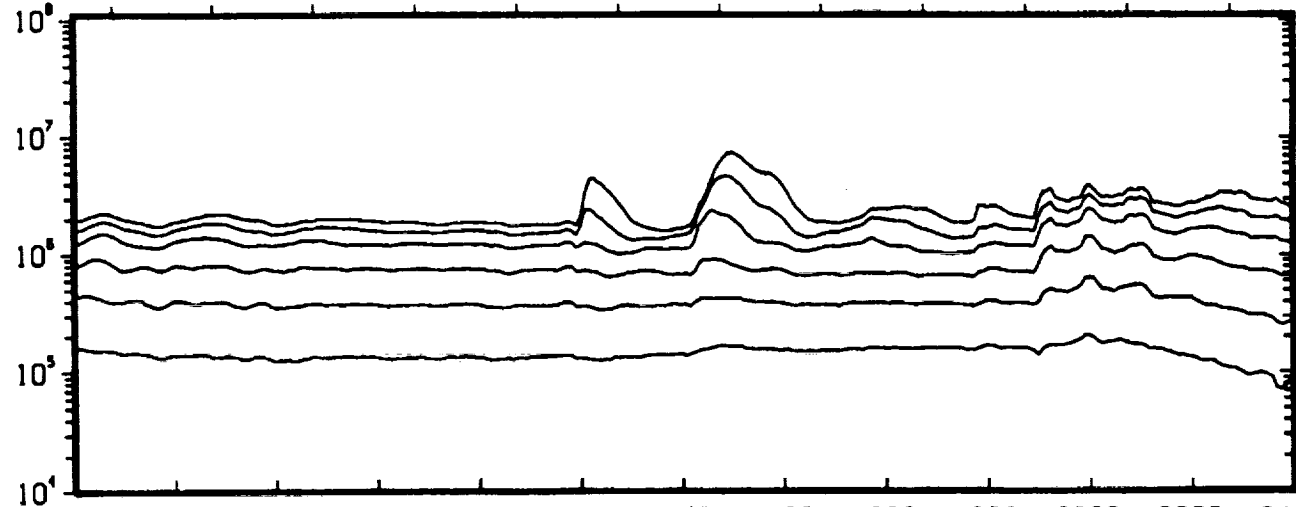
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



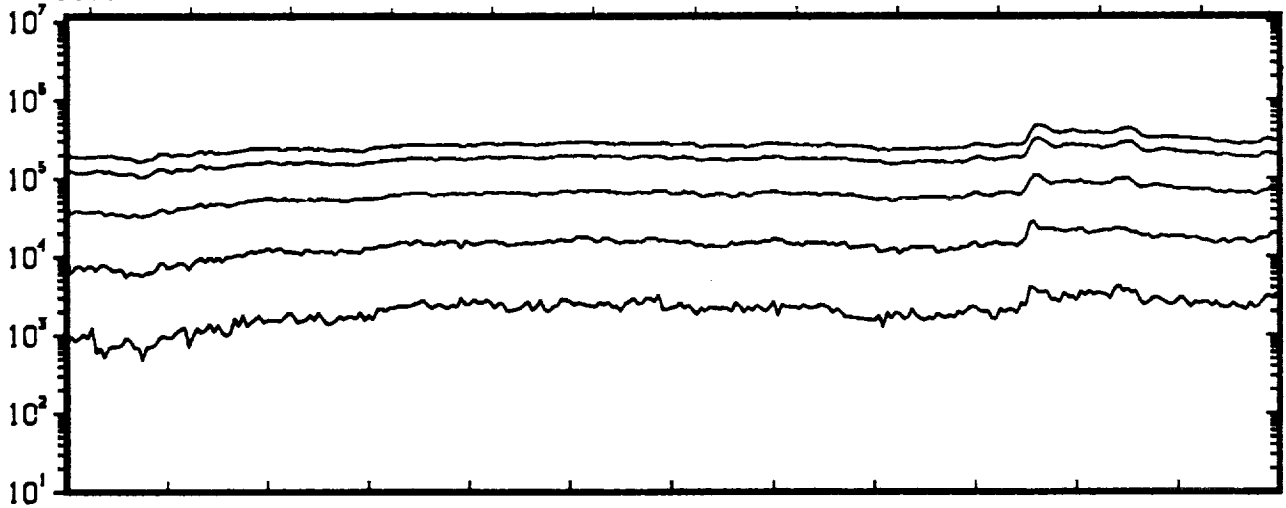
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

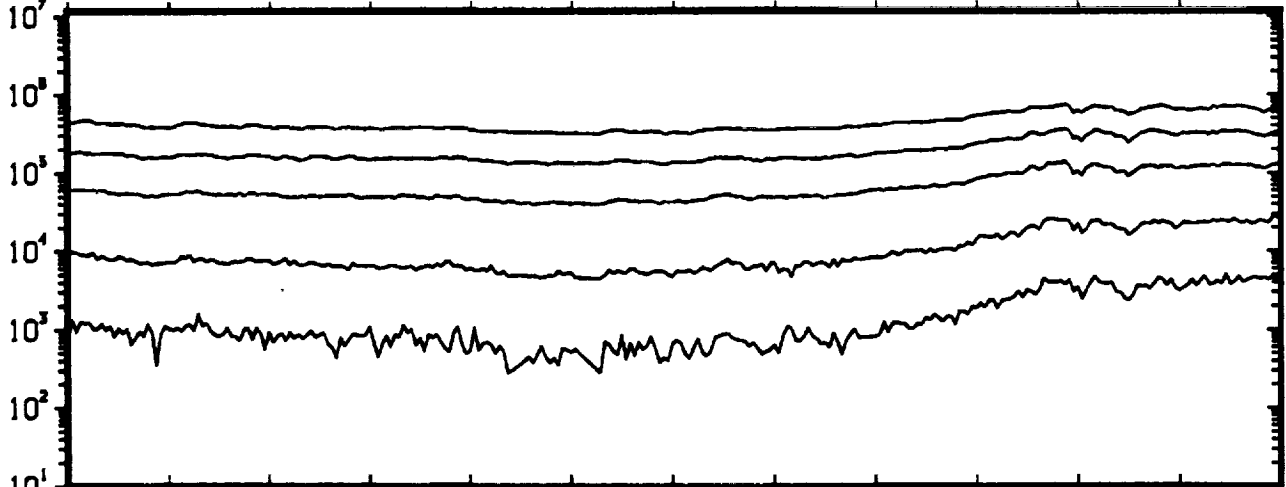
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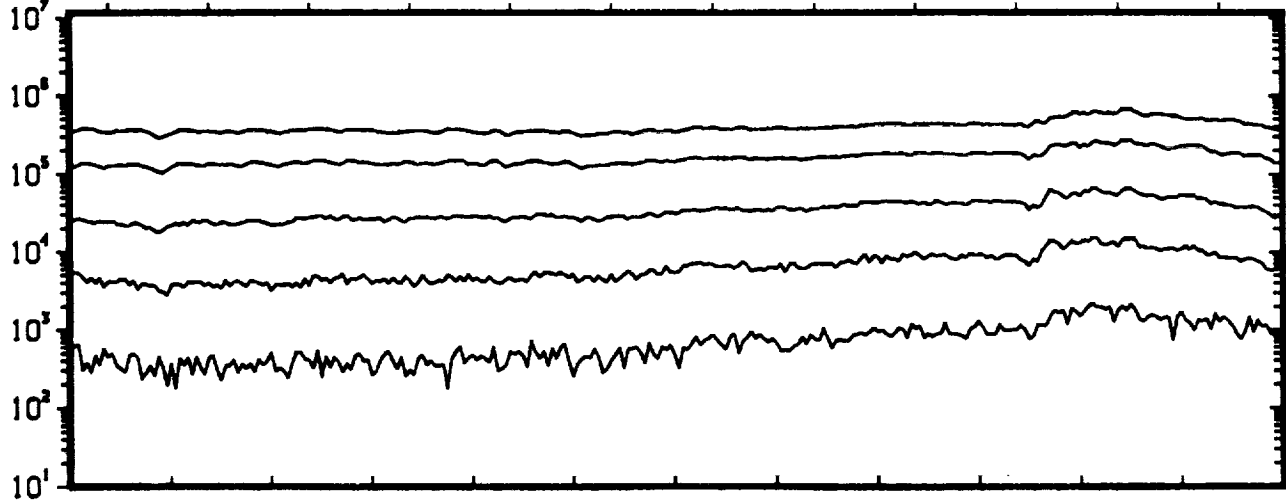
1981-025

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1982-019

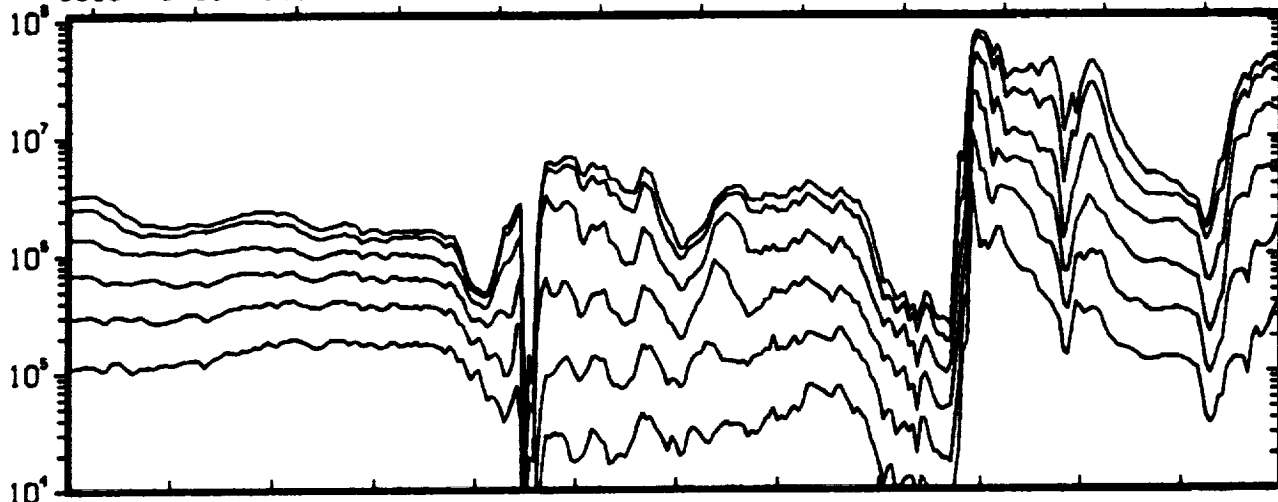
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

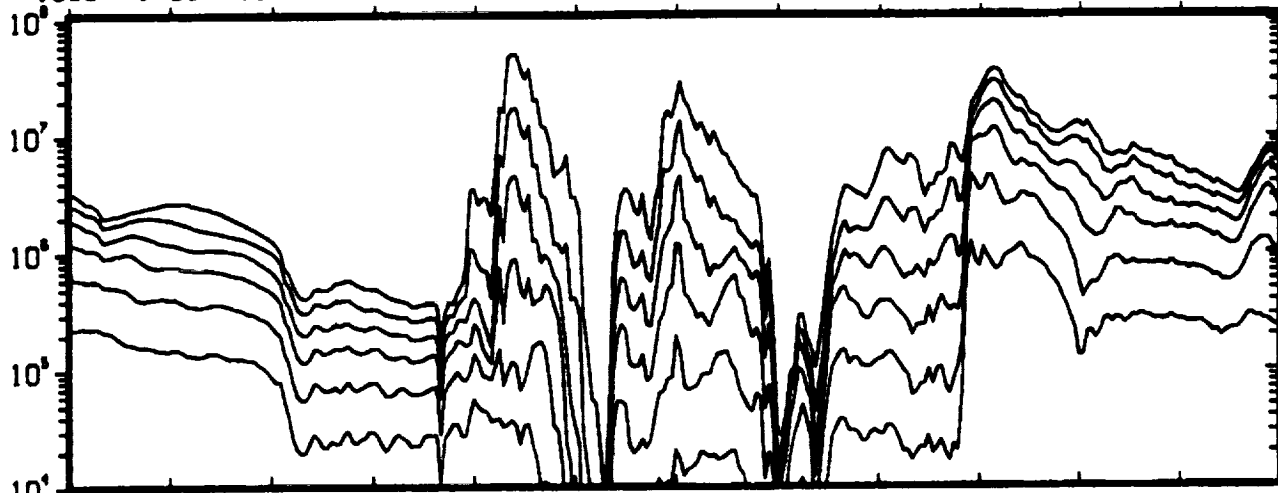
# LOW ENERGY ELECTRONS

1977-007 83/05/11  
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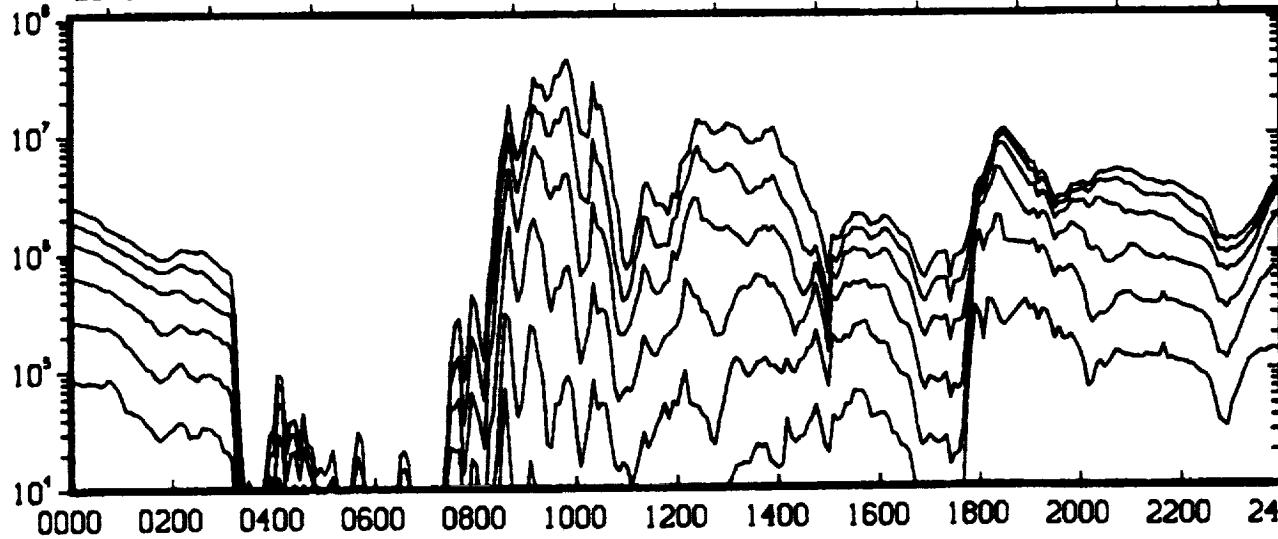


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

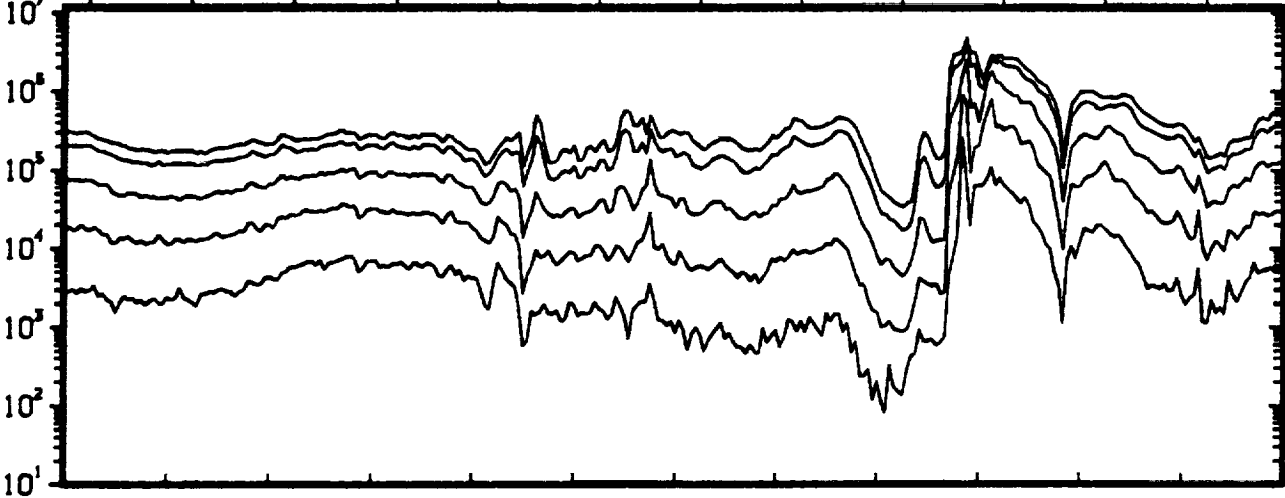


# LOW ENERGY IONS

1977-007

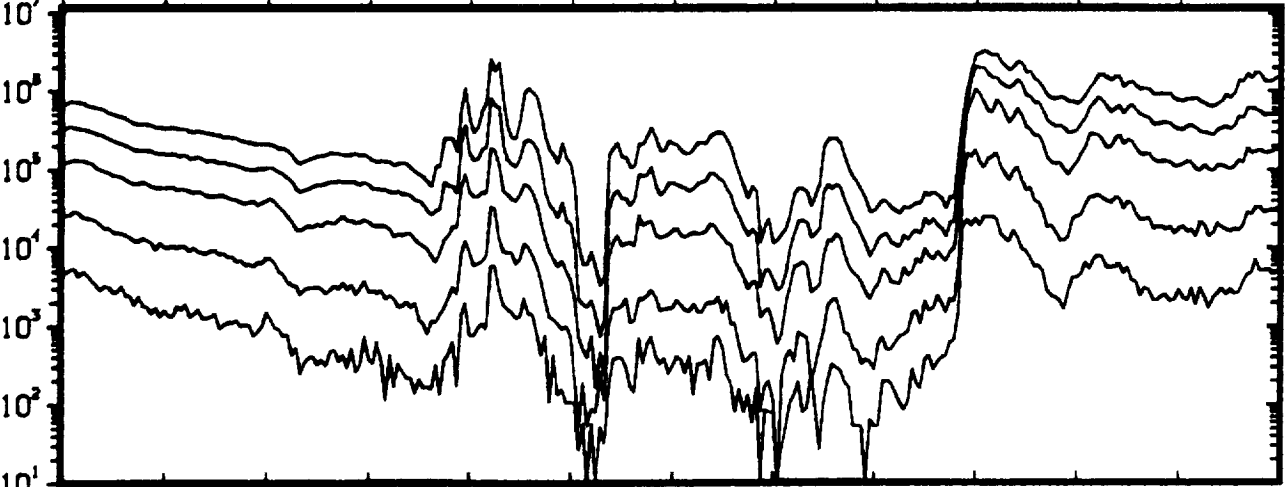
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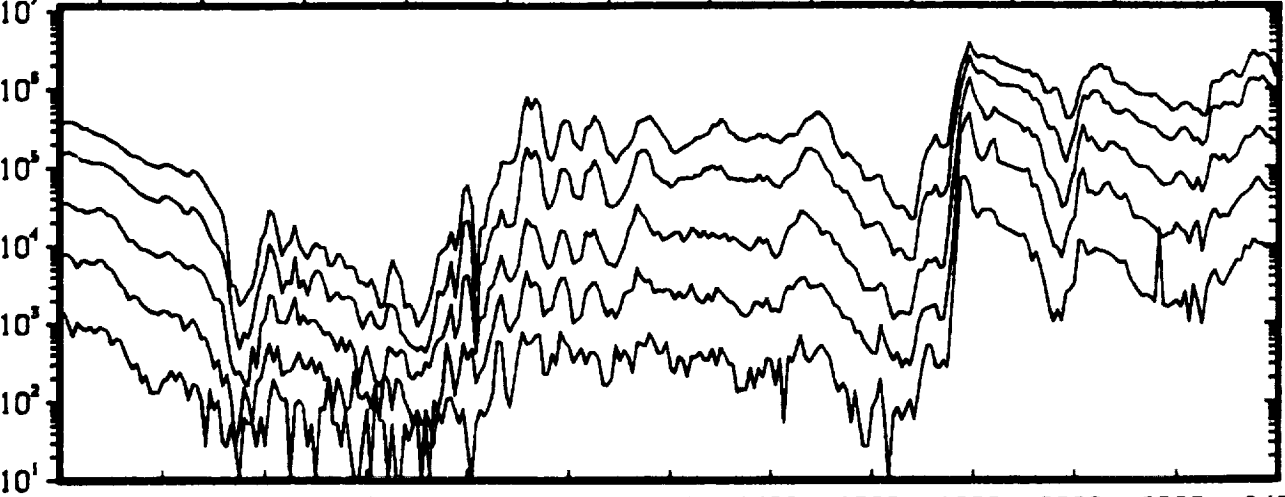
1981-025

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1982-019

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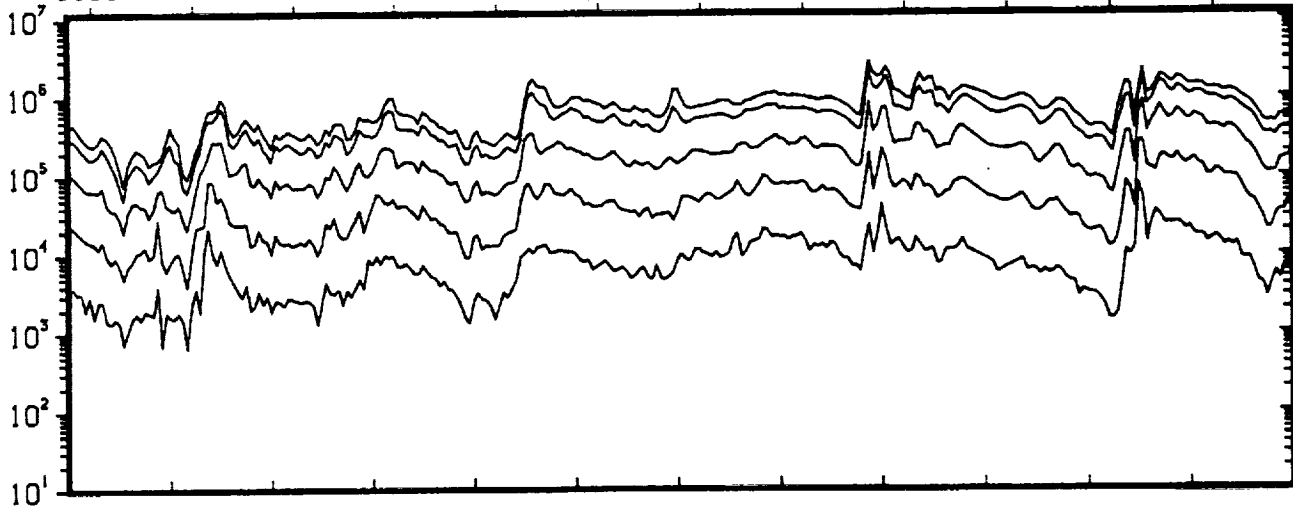
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

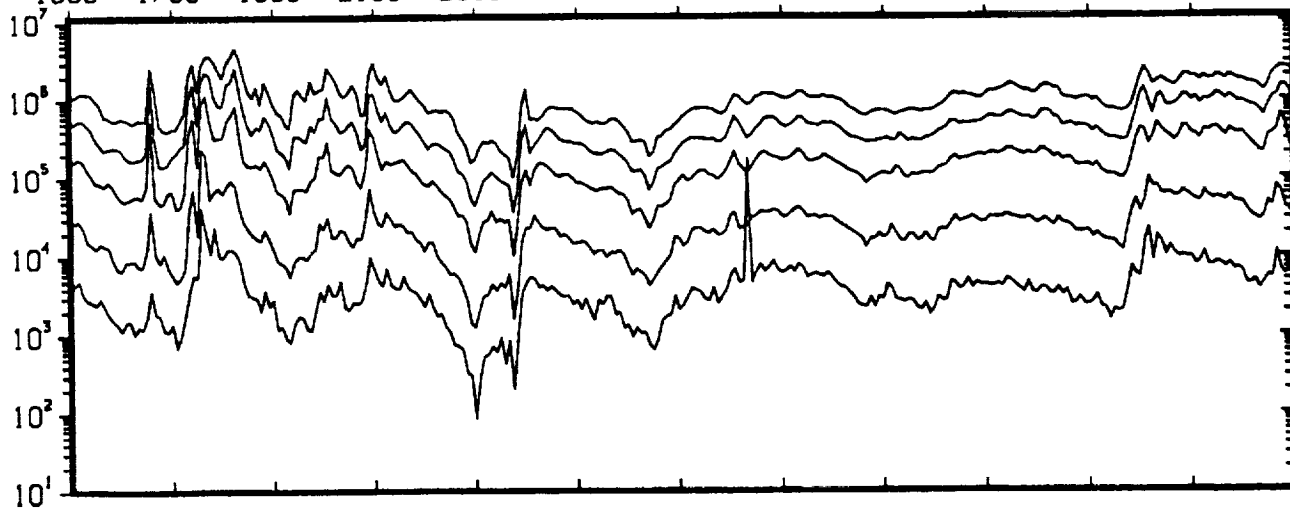
83/05/12

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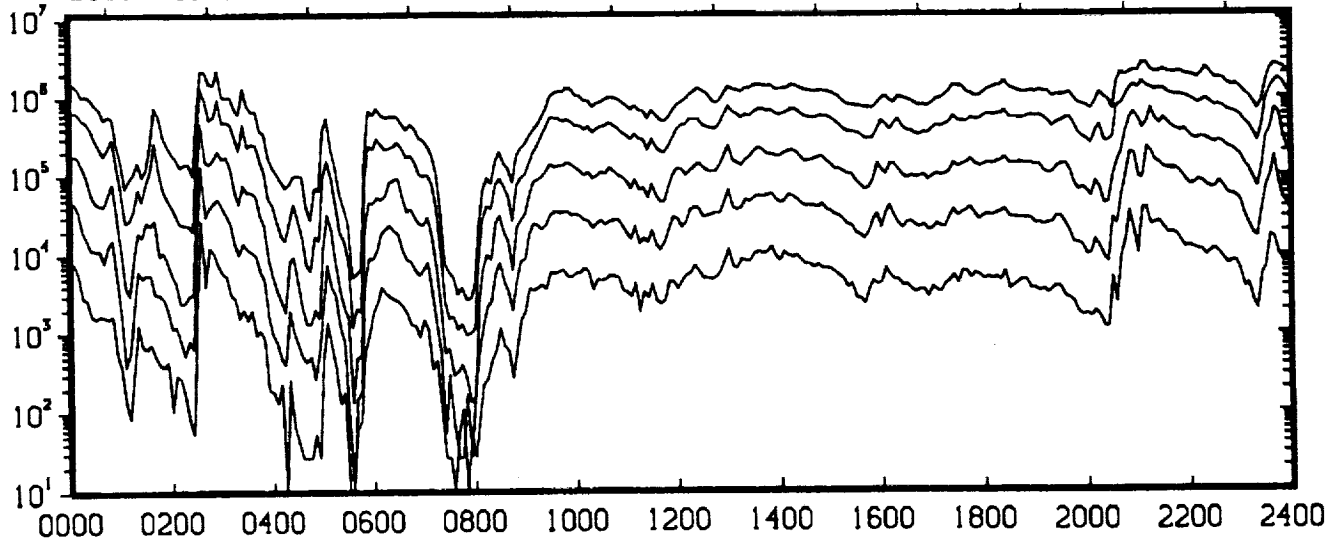
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

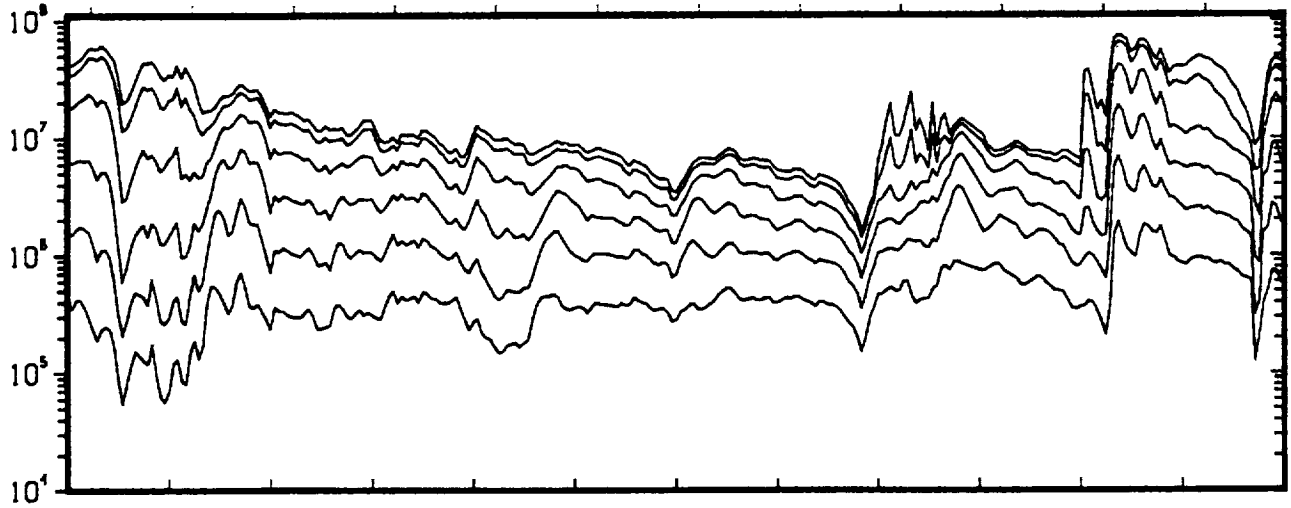


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



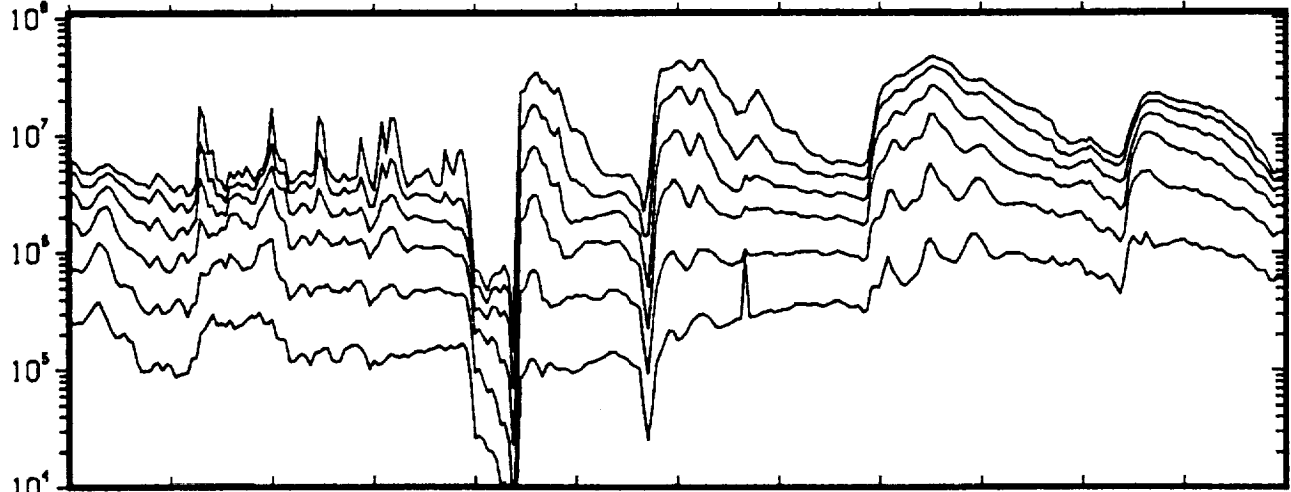
# LOW ENERGY ELECTRONS

1977-007 83/05/12  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

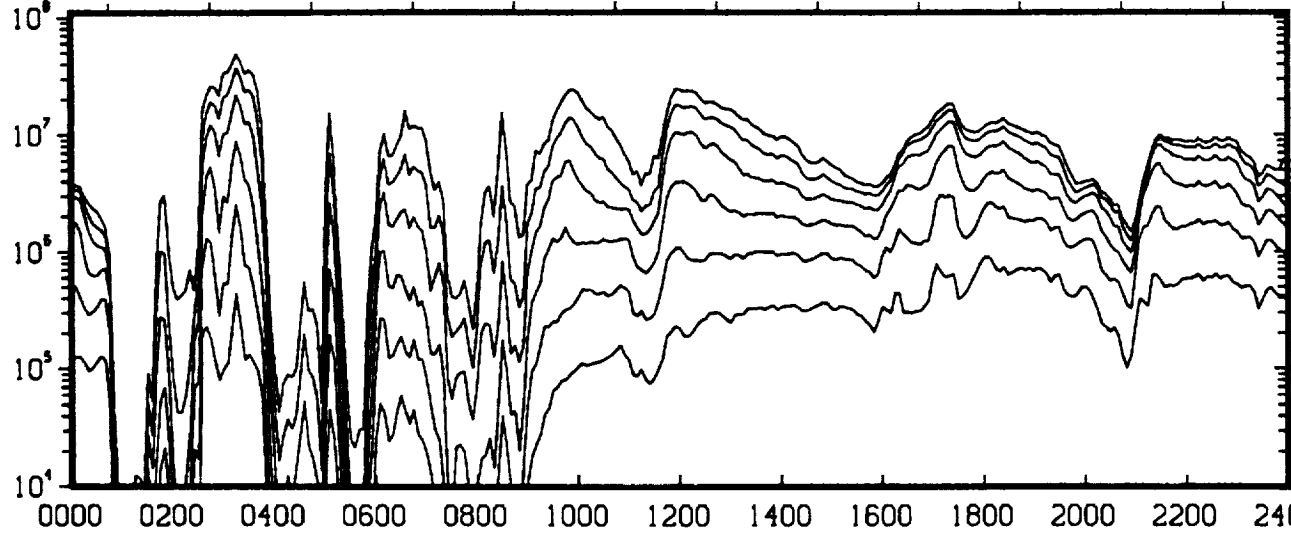


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

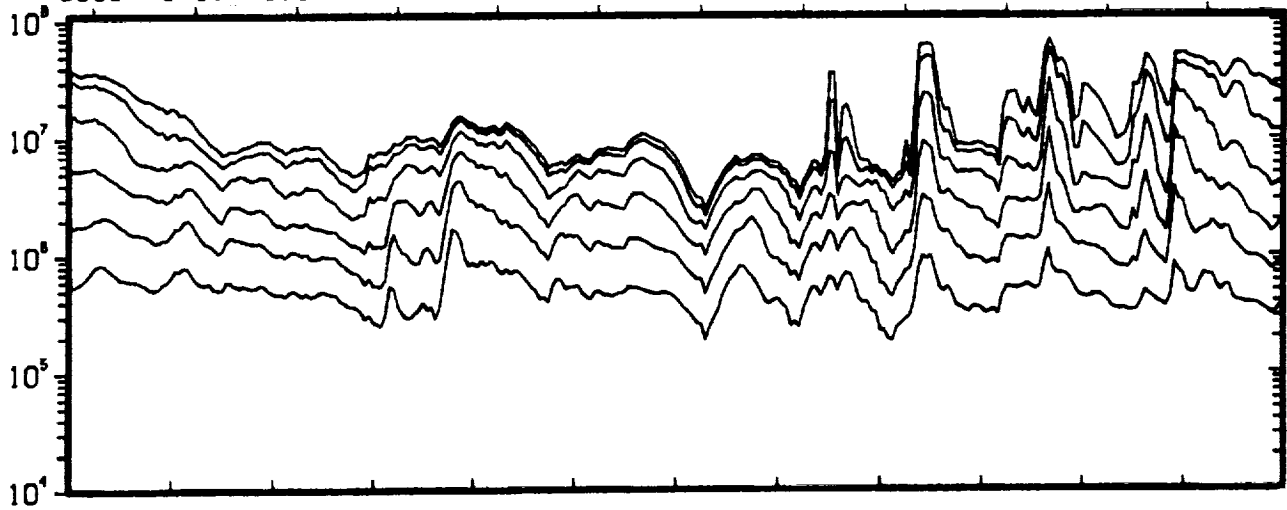


# LOW ENERGY ELECTRONS

1977-007

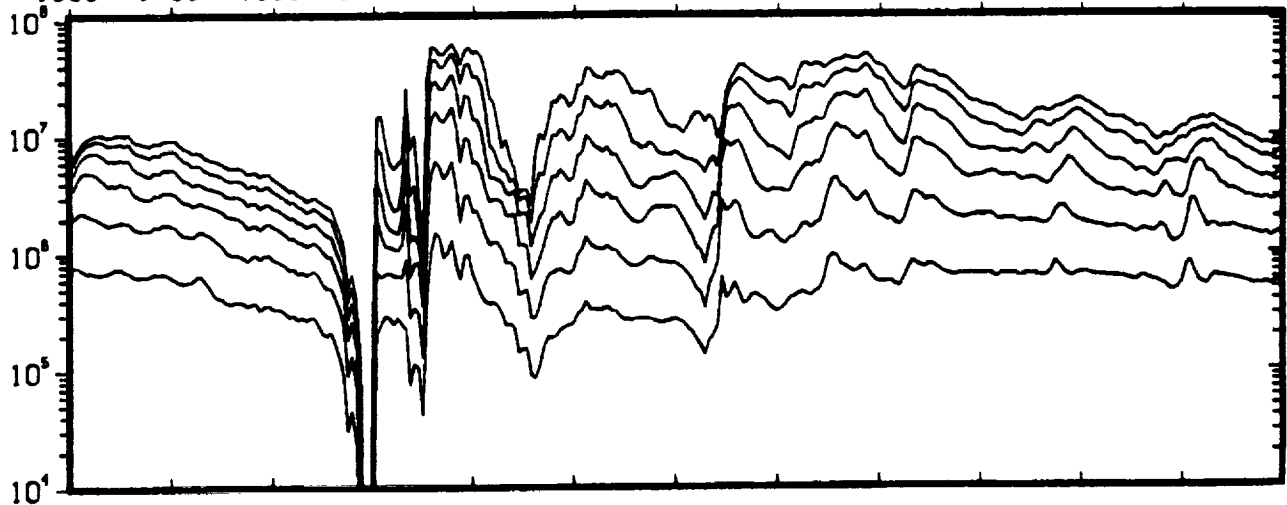
83/05/13

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



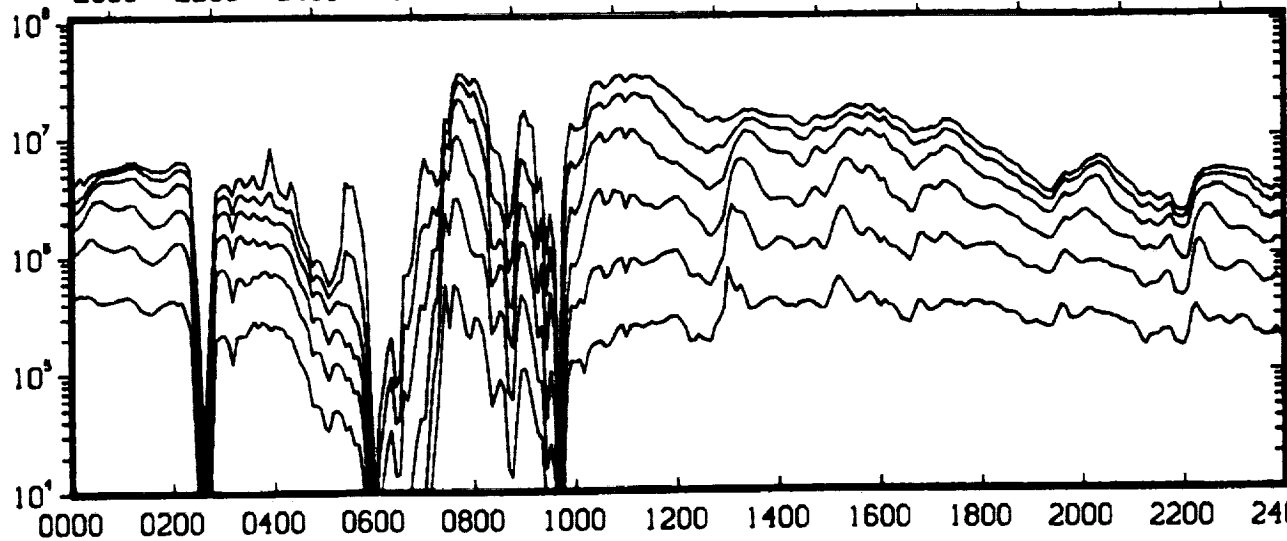
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



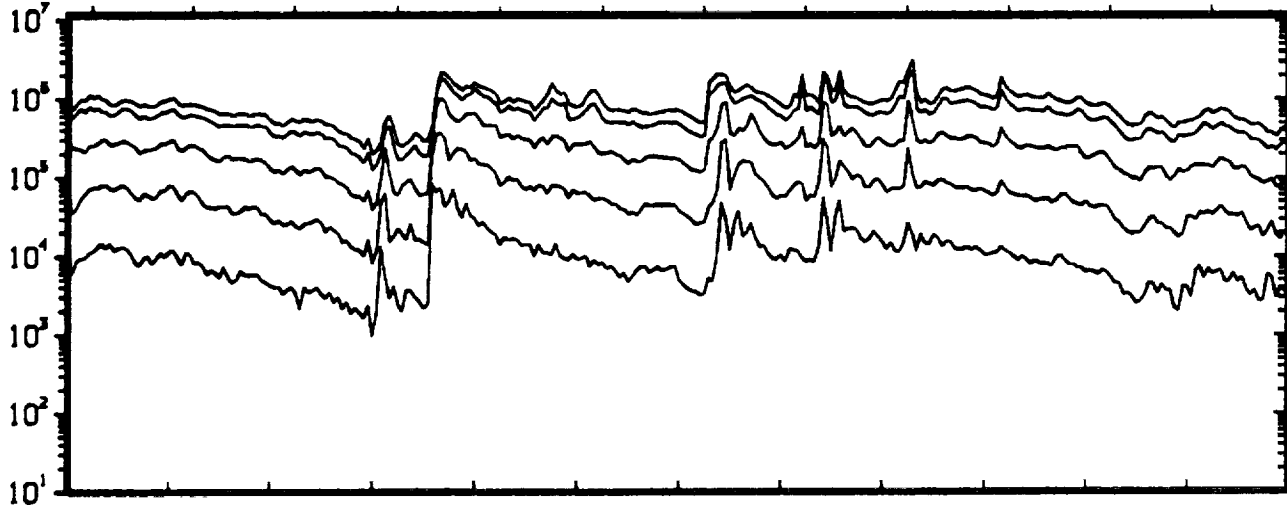
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

LOW ENERGY IONS

1977-007

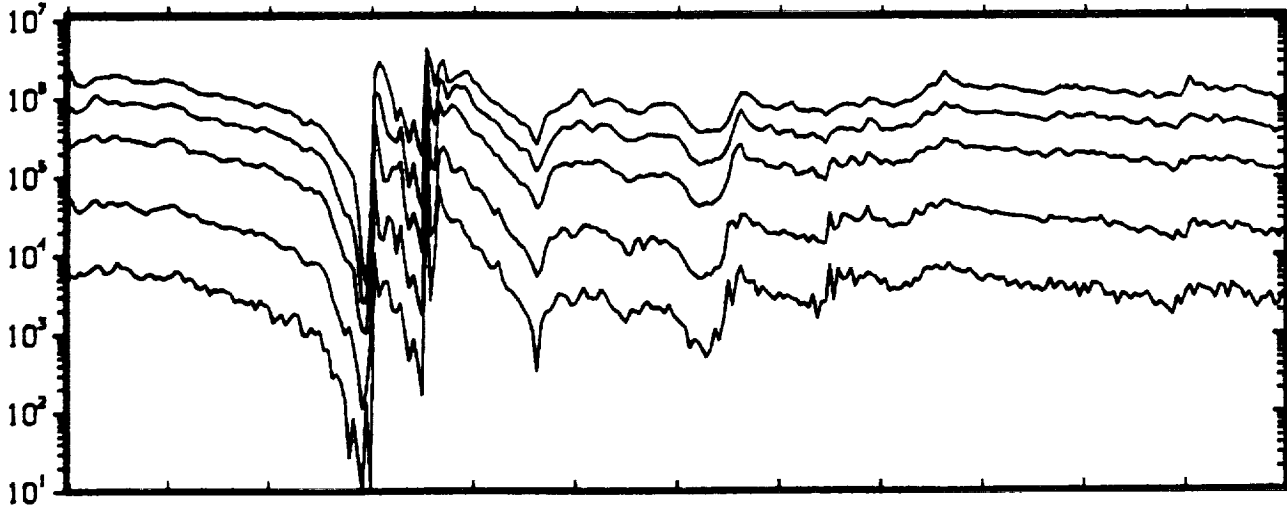
83/05/13

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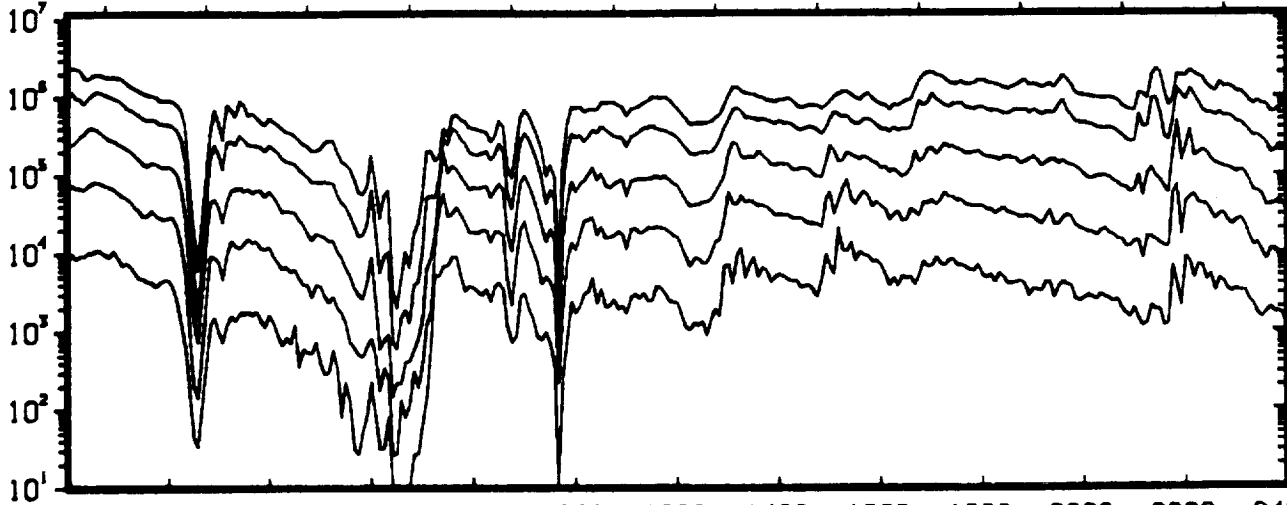
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



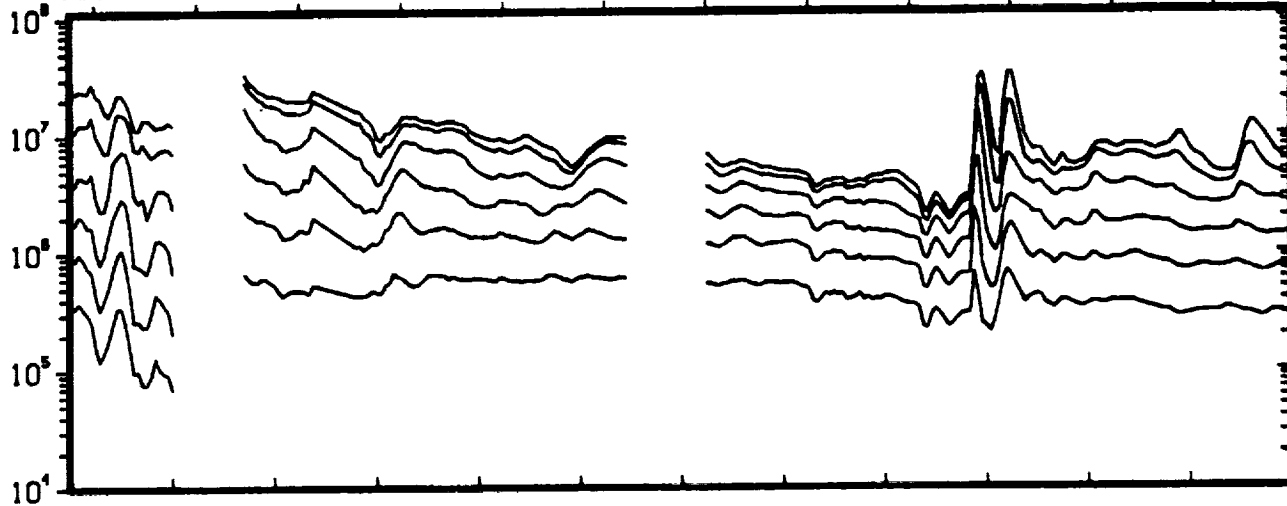
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

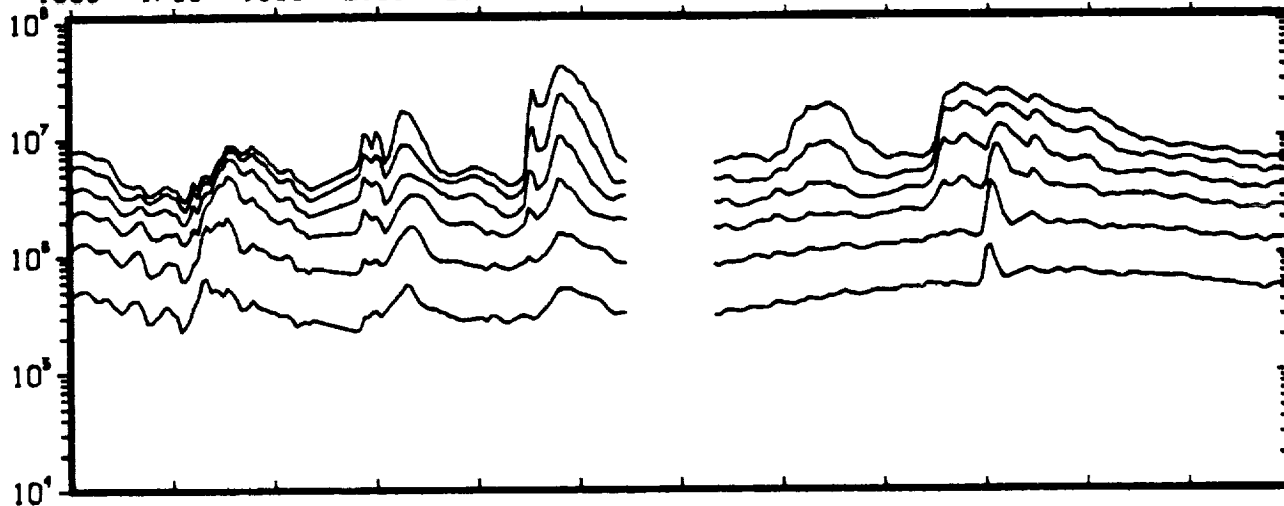
83/05/14

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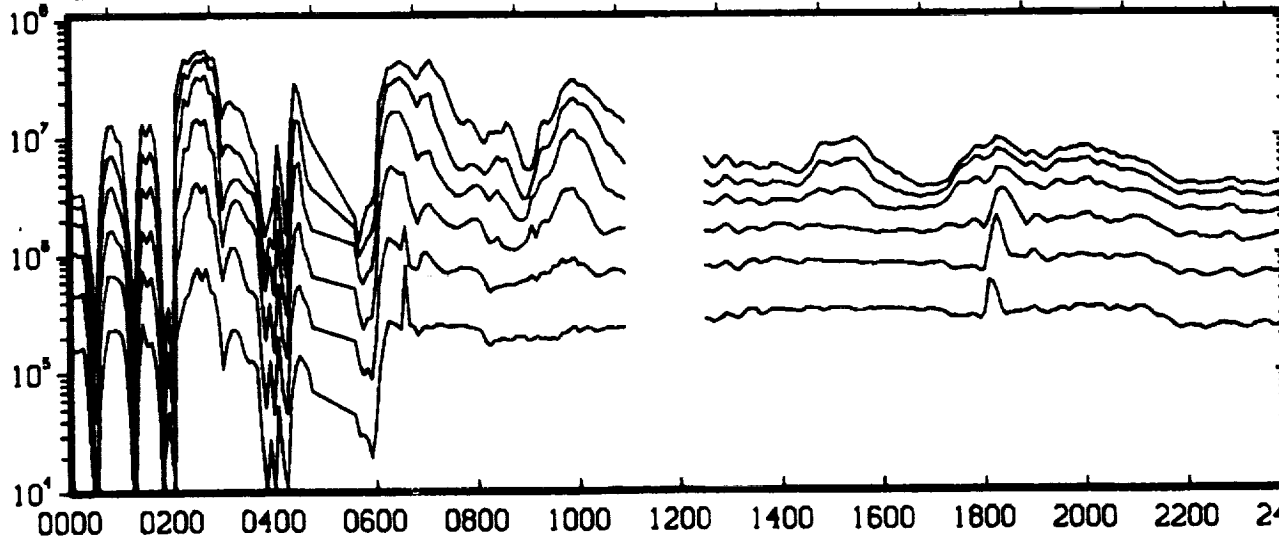
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



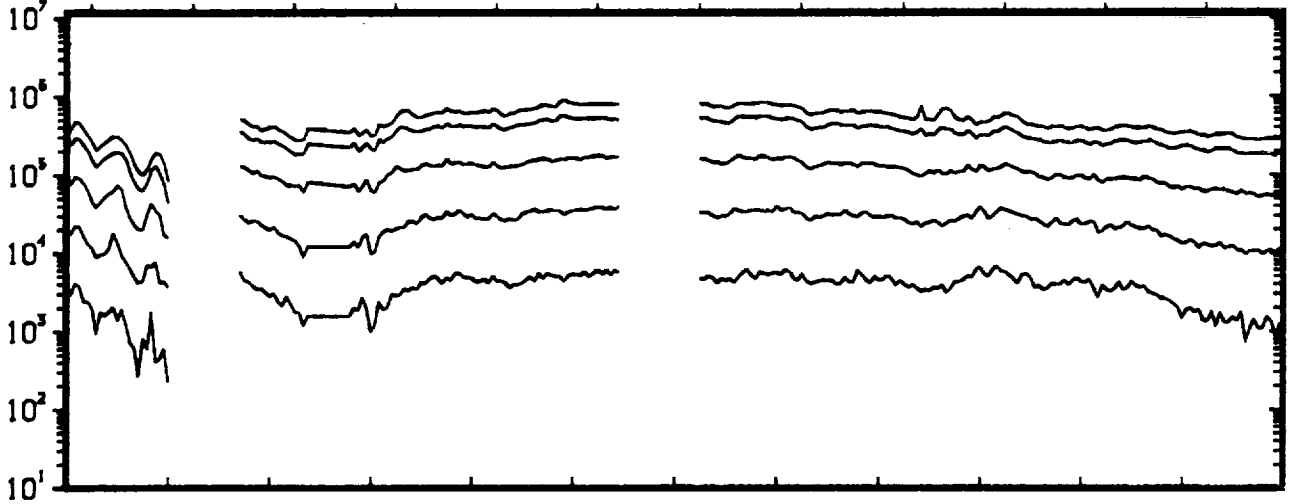
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

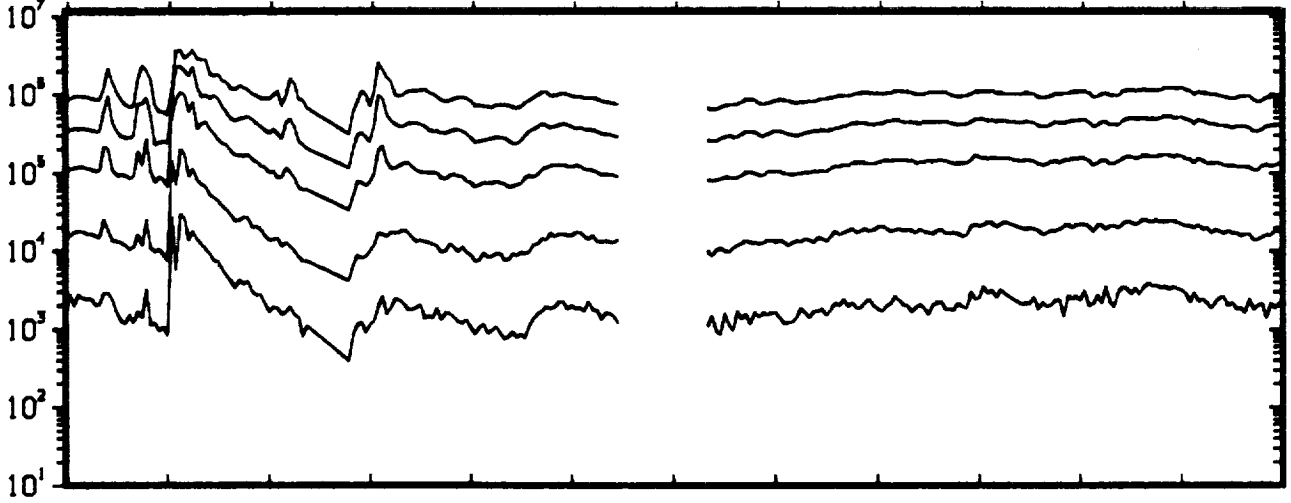
83/05/14

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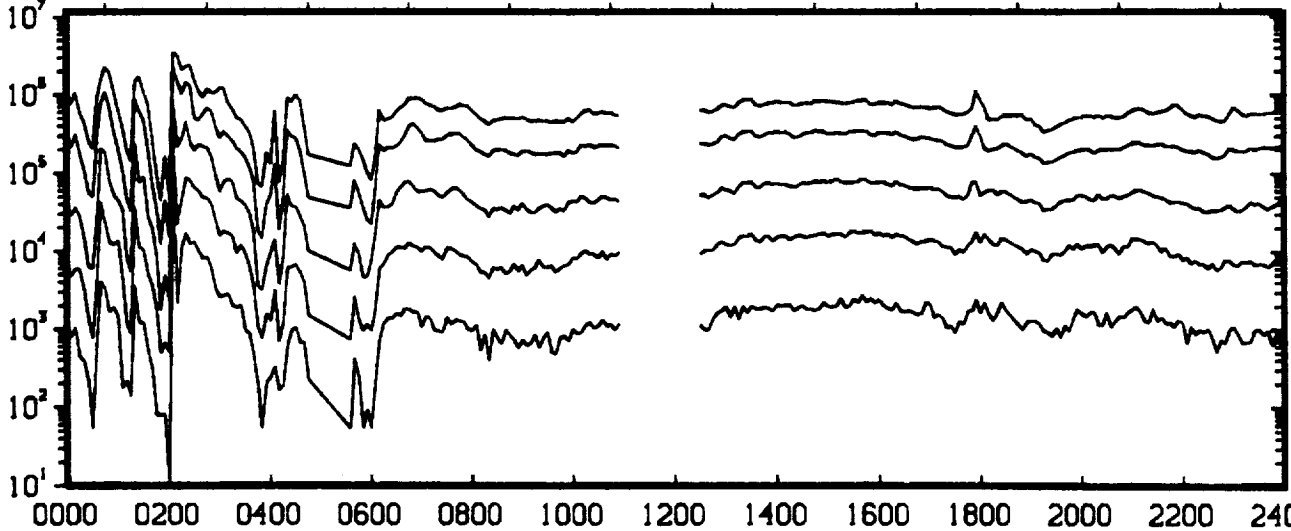
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



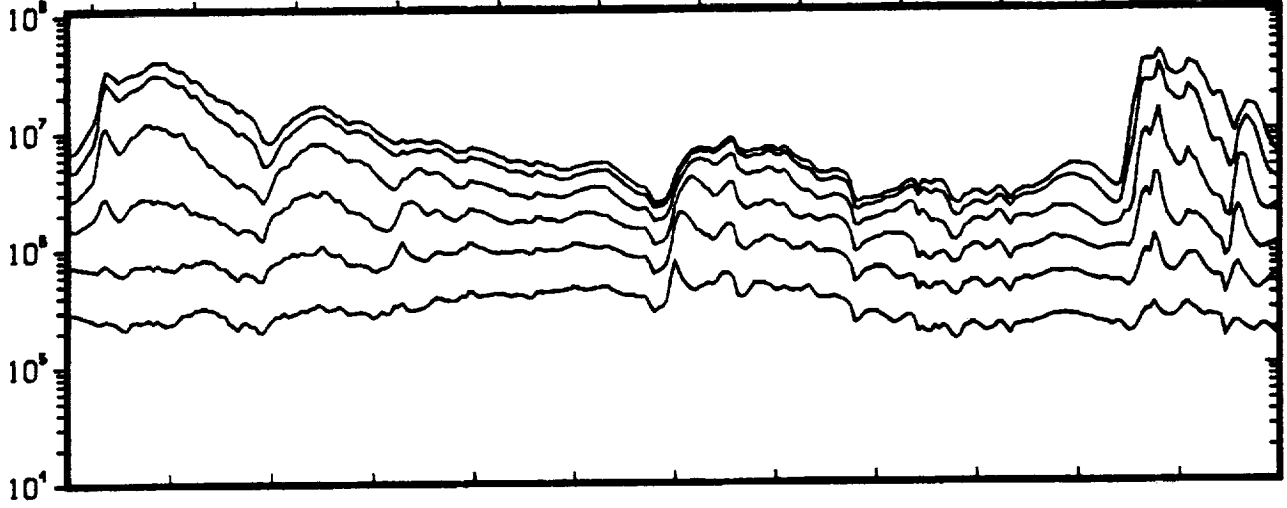
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

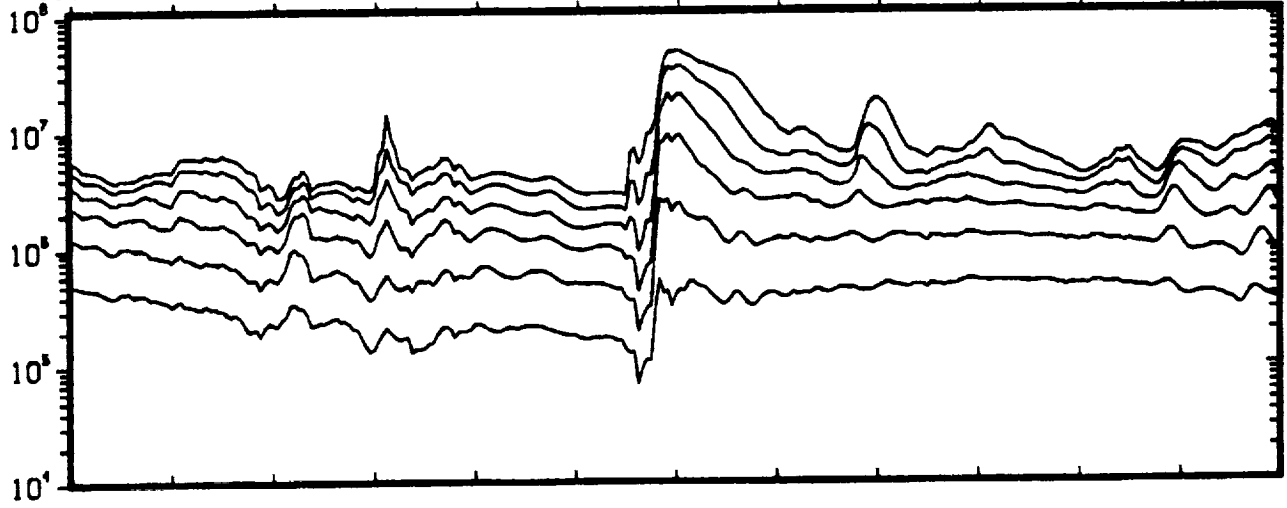
83/05/15

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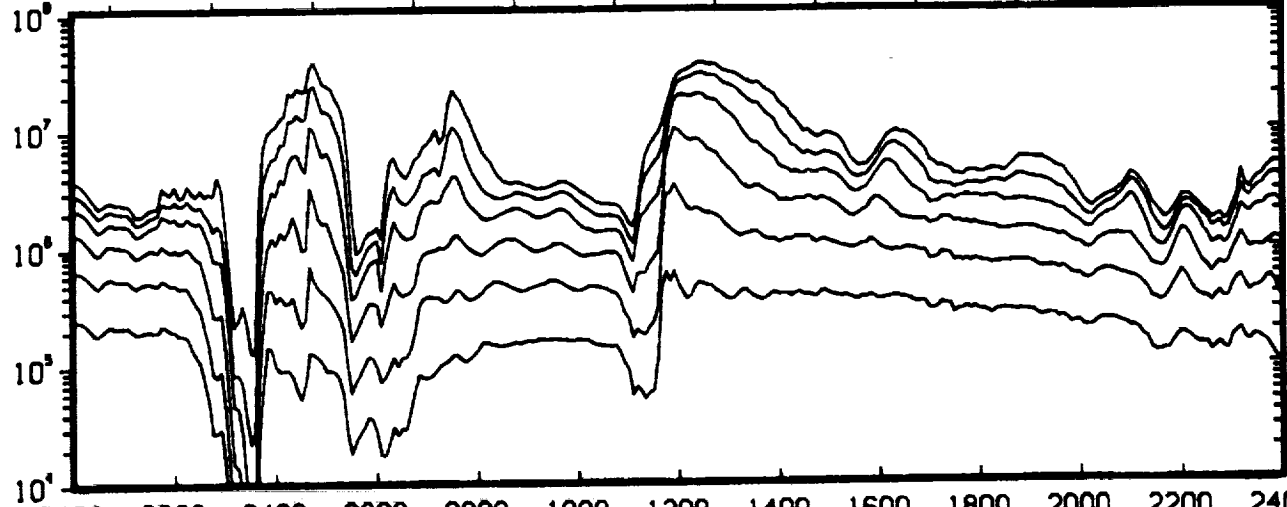
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



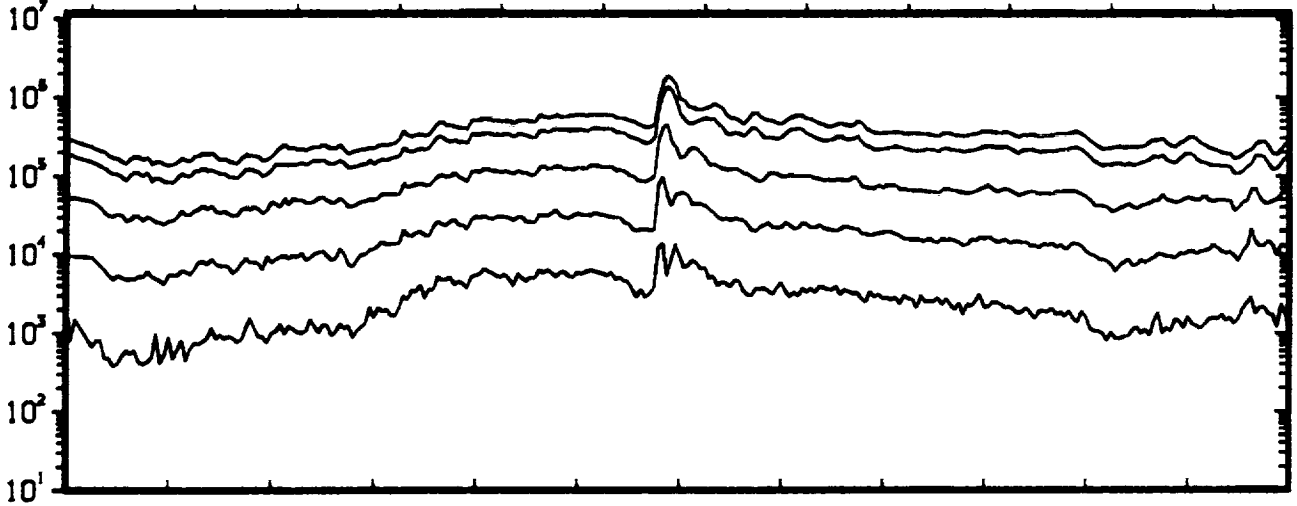
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

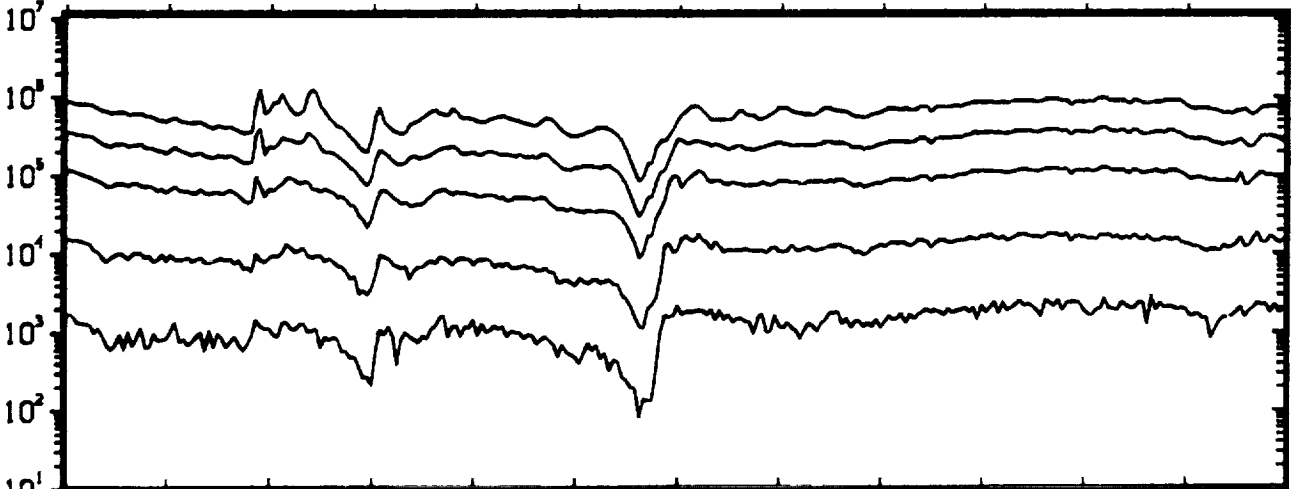
83/05/15

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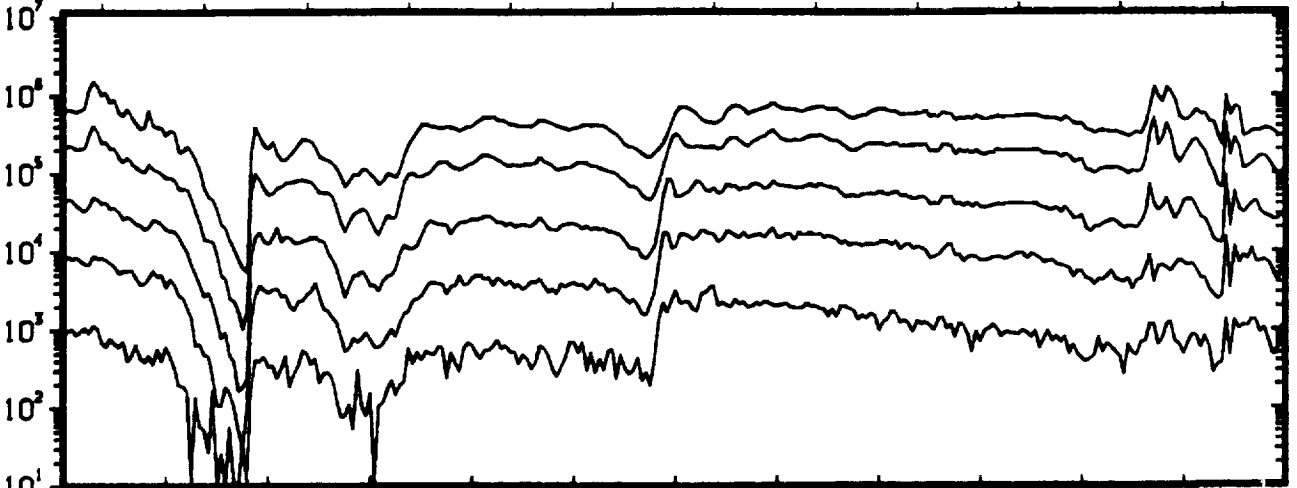
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



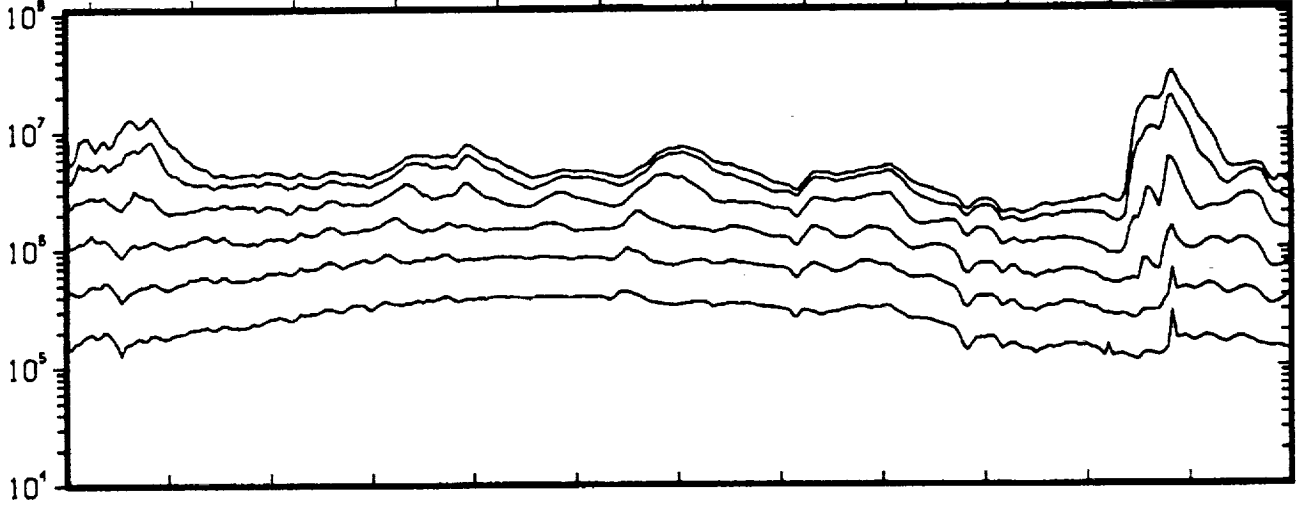
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

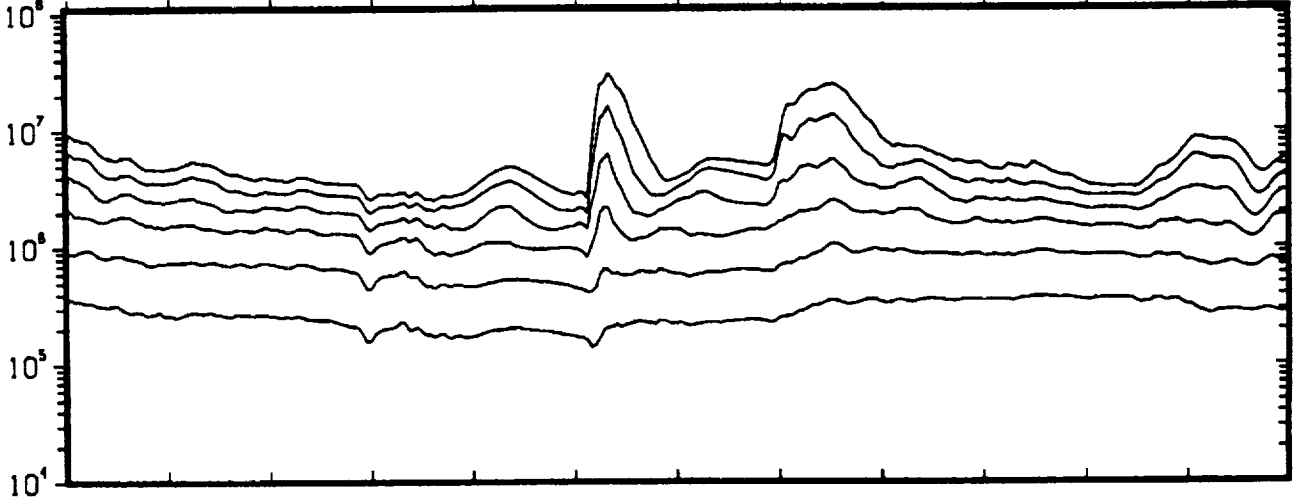
83/05/16

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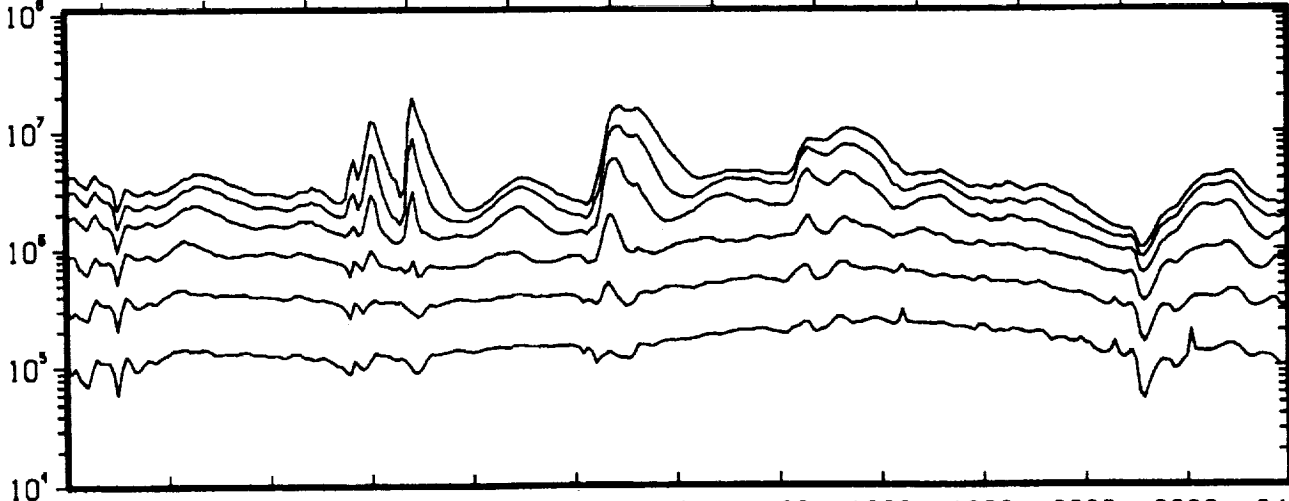
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

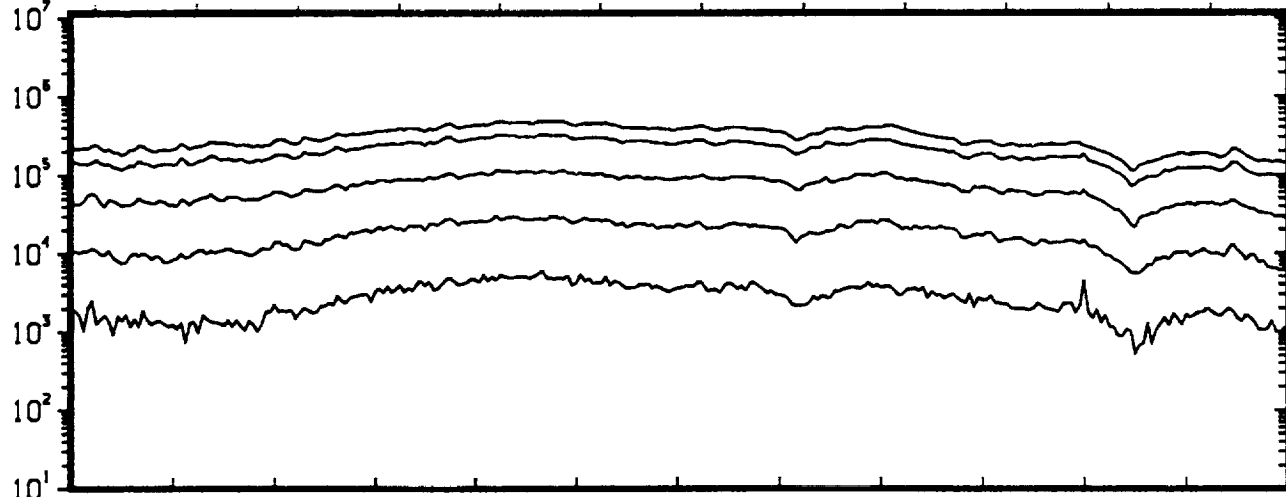


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



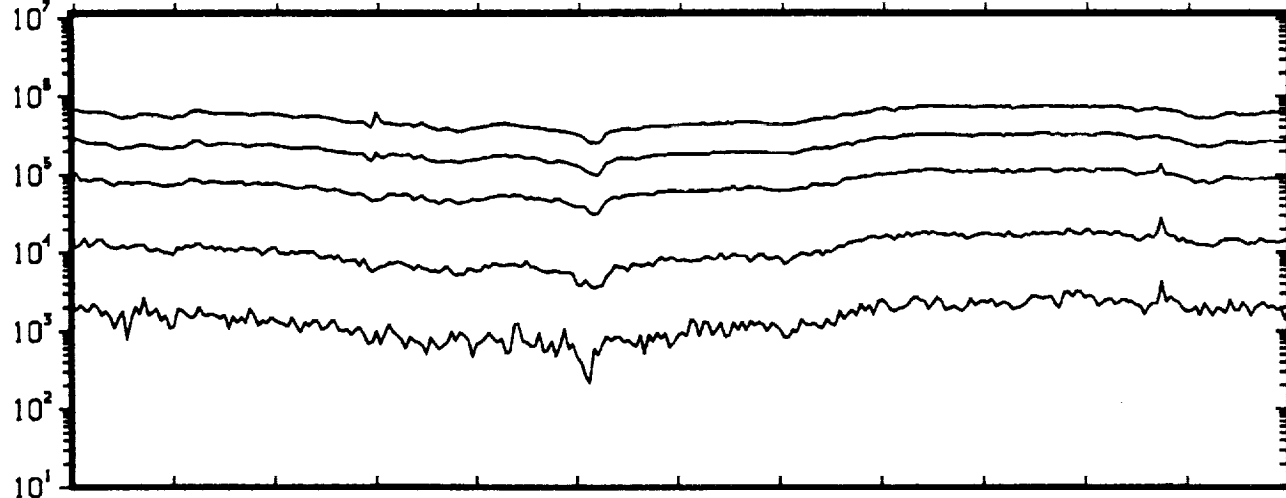
# LOW ENERGY IONS

1977-007 83/05/16  
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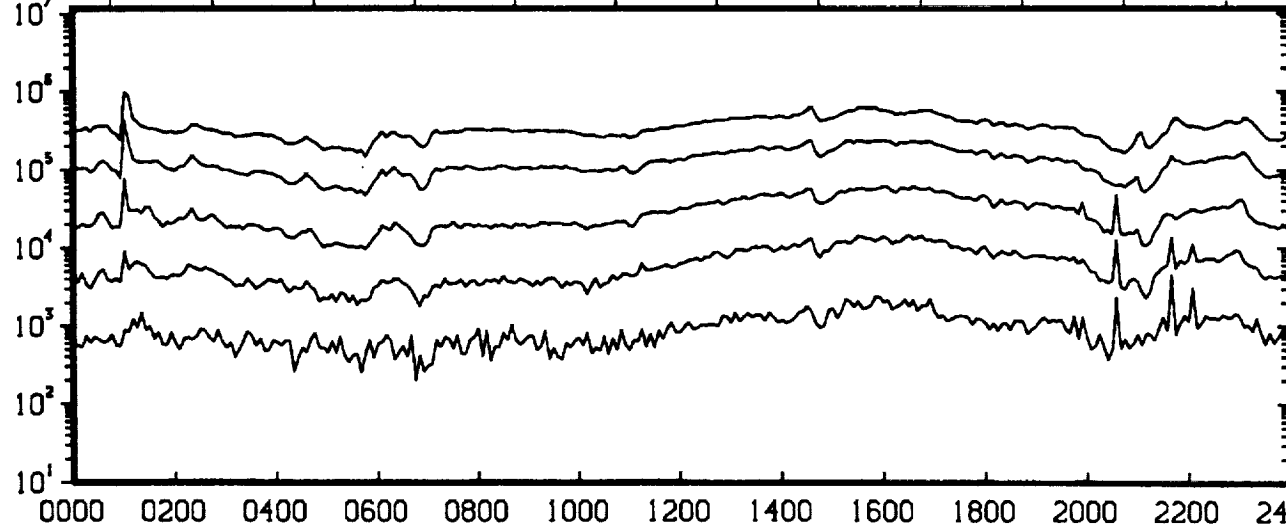


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

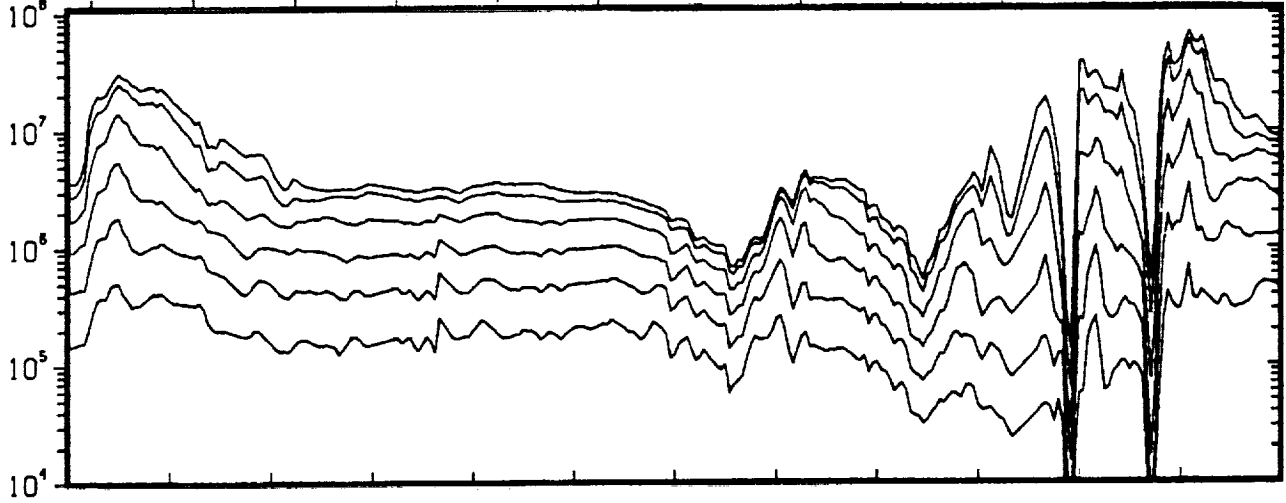


# LOW ENERGY ELECTRONS

1977-007

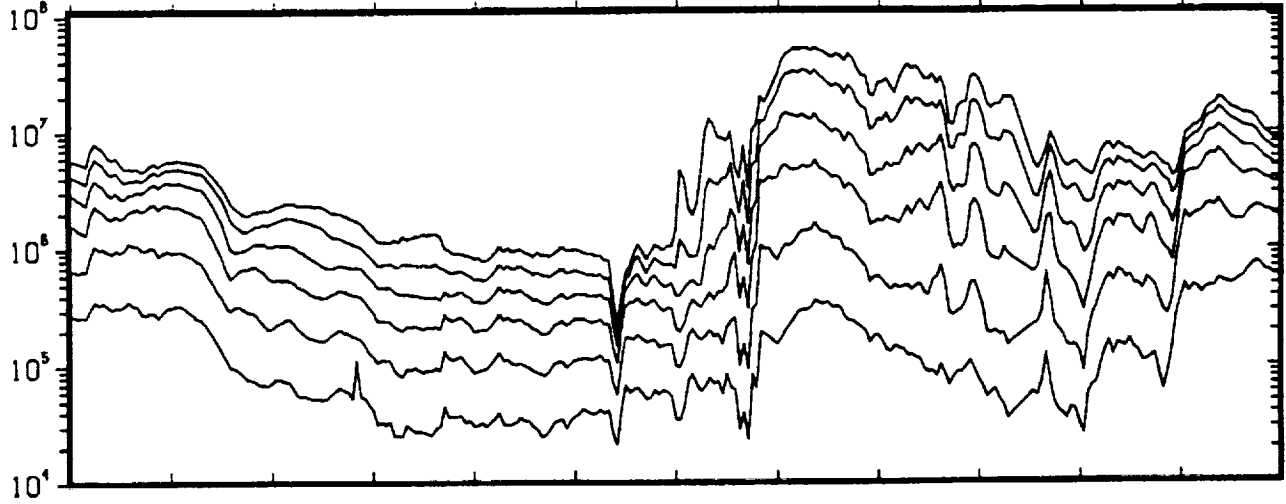
83/05/17

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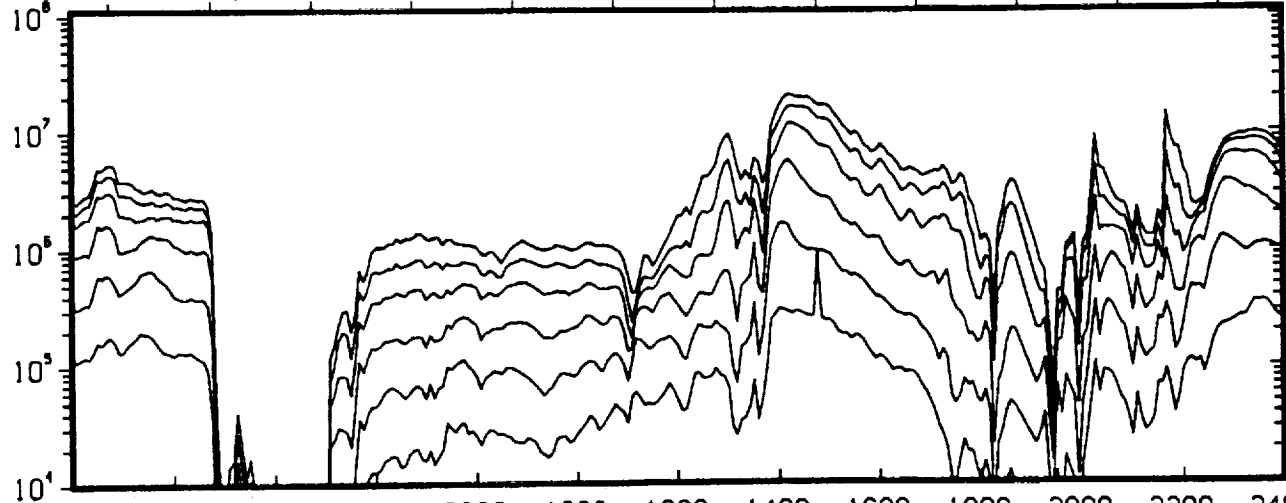
1981-025

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1982-019

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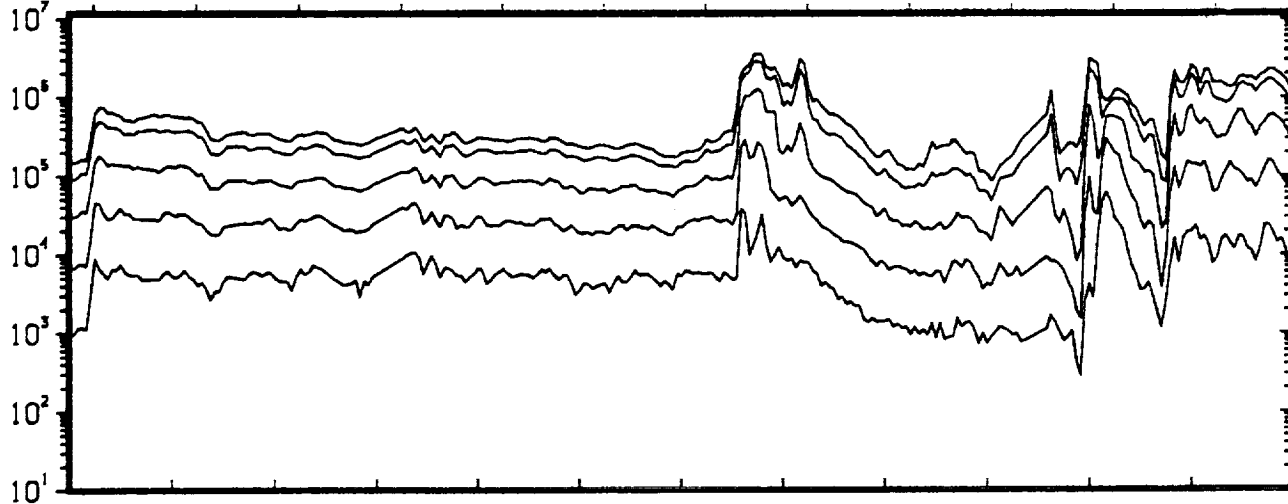
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/05/17

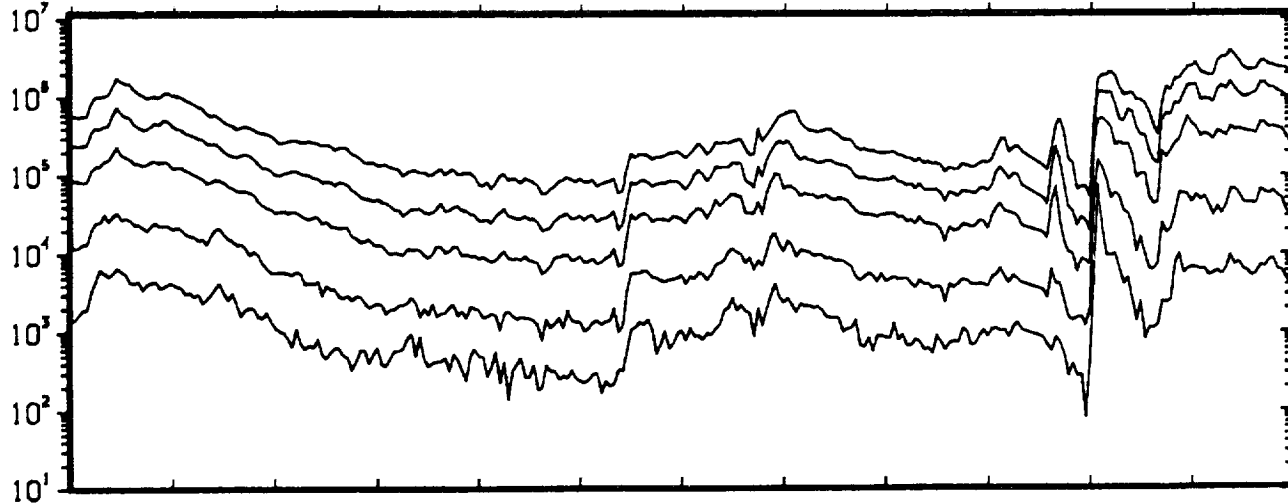
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

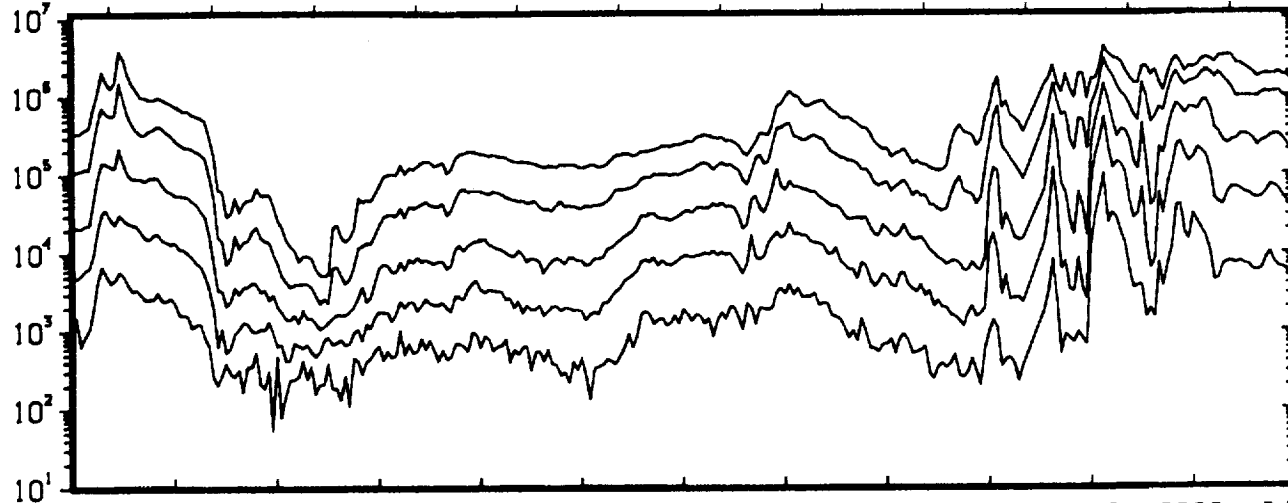
1981-025

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1982-019

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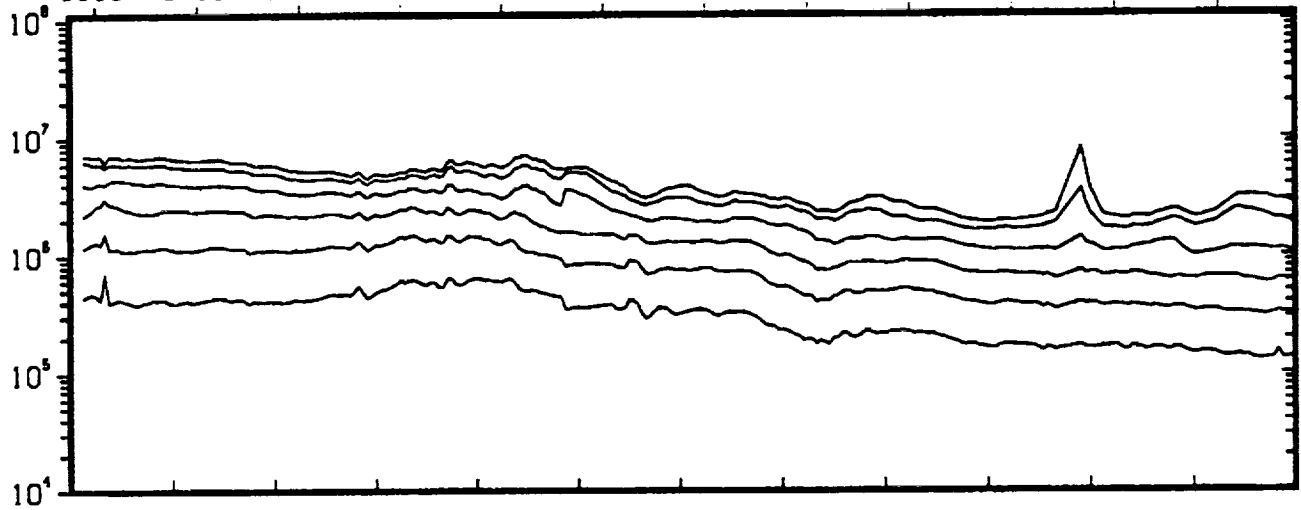
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# LOW ENERGY ELECTRONS

1977-007

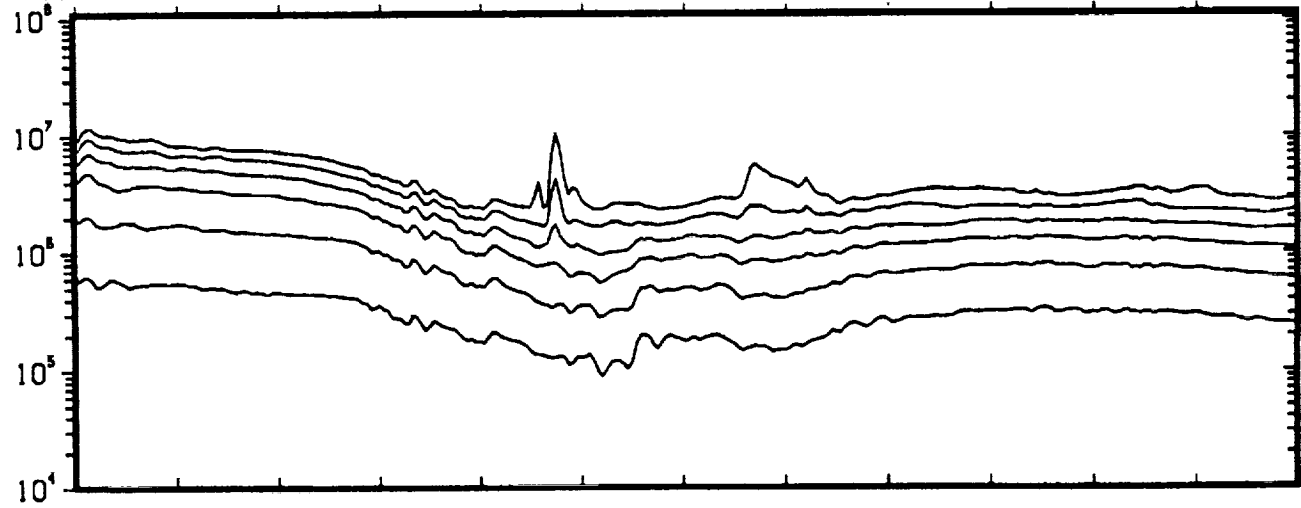
83/05/18

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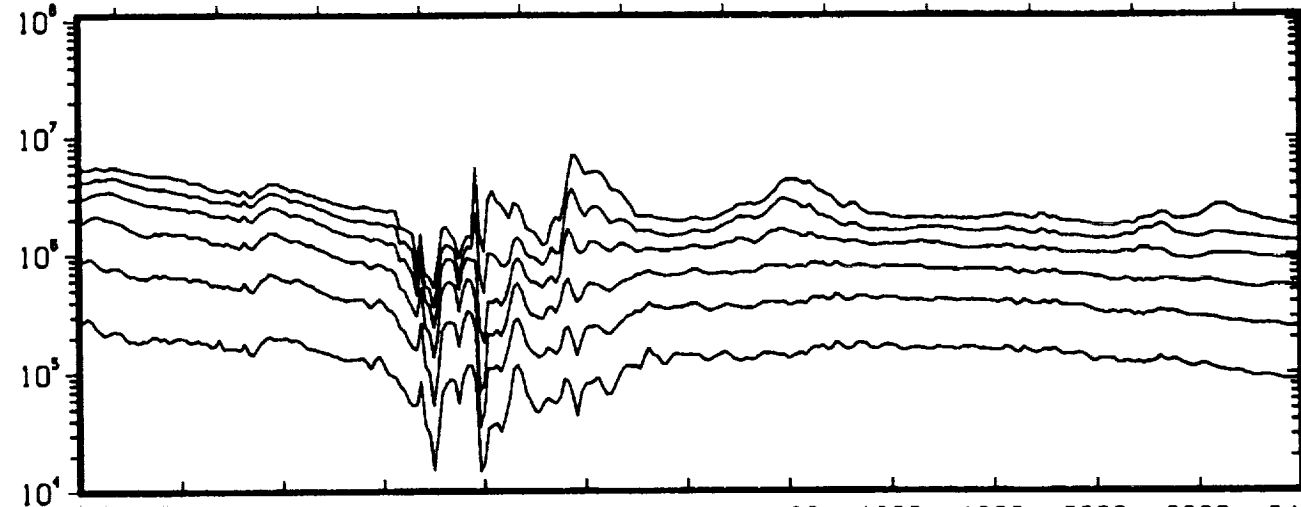
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



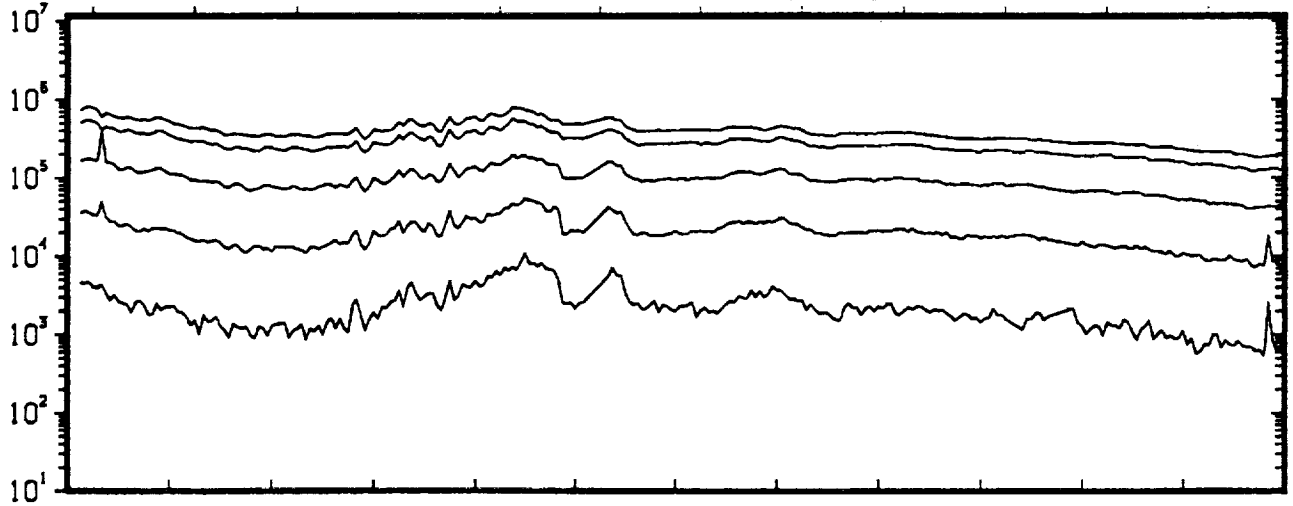
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

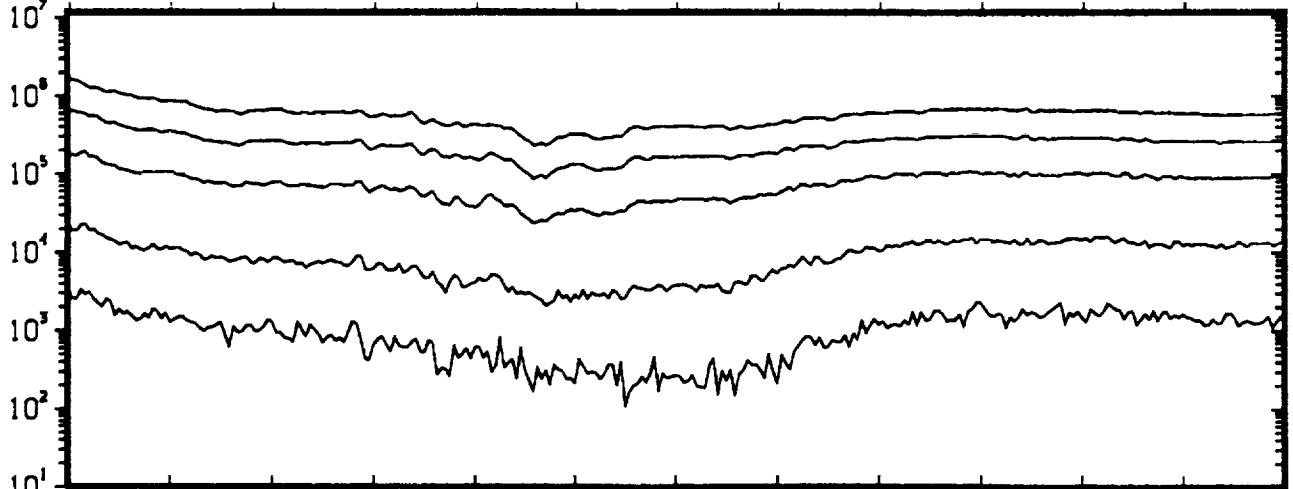
83/05/18

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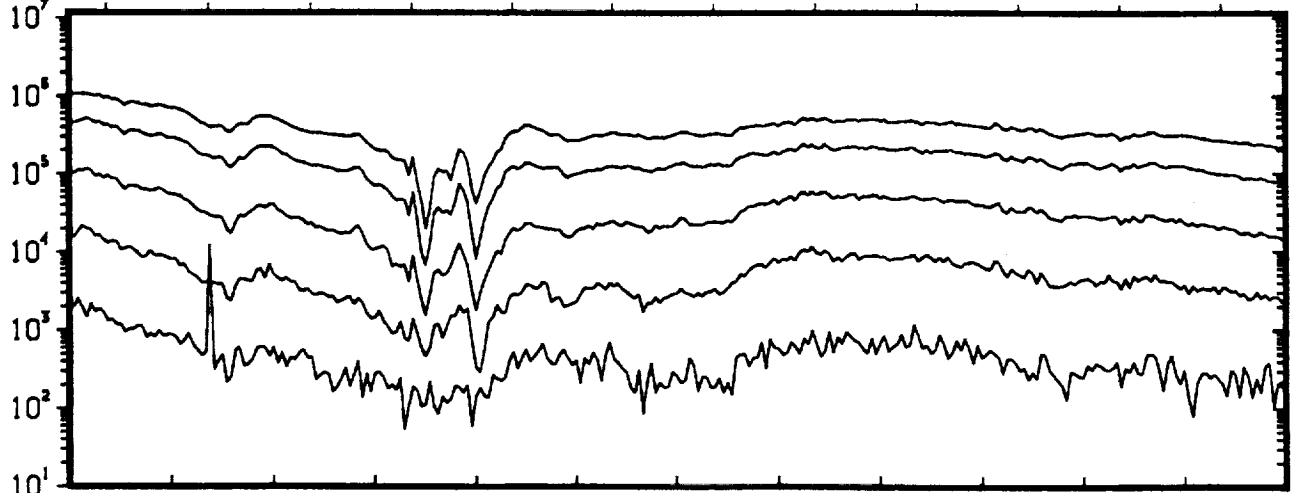
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



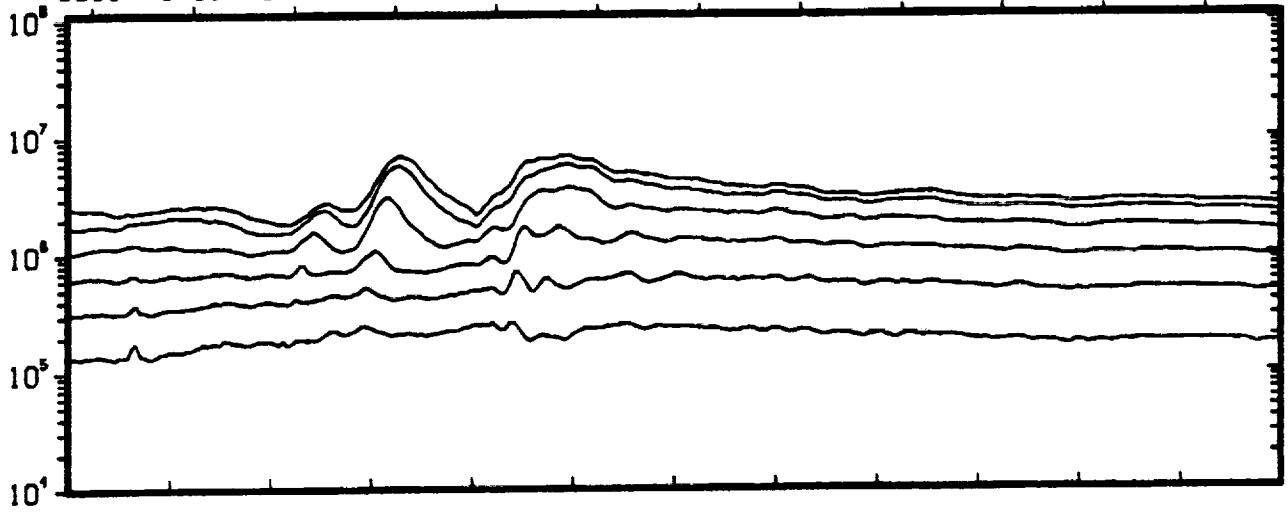
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

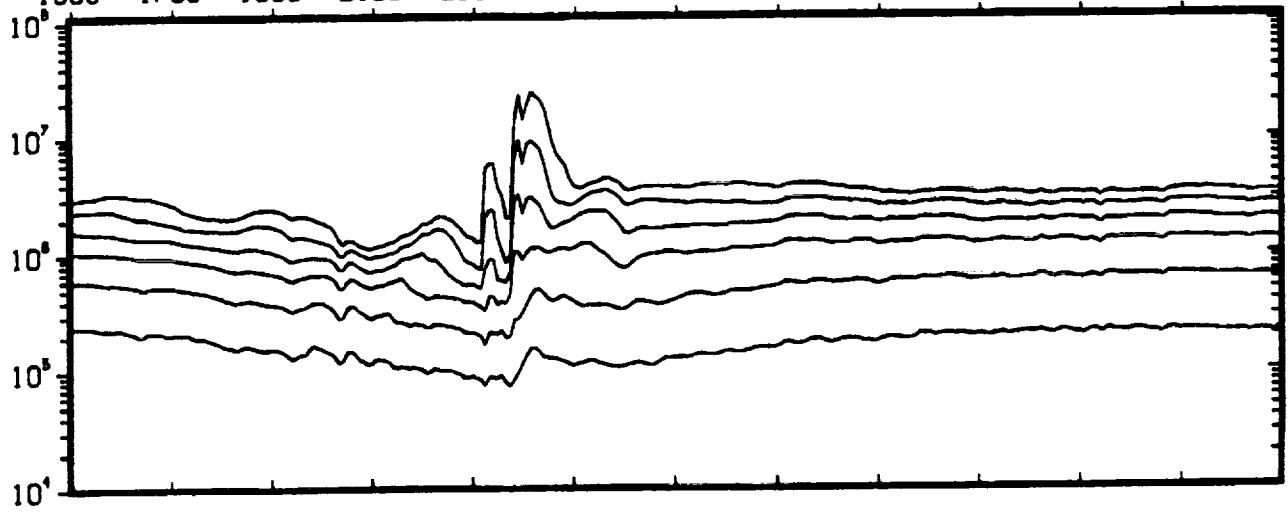
83/05/19

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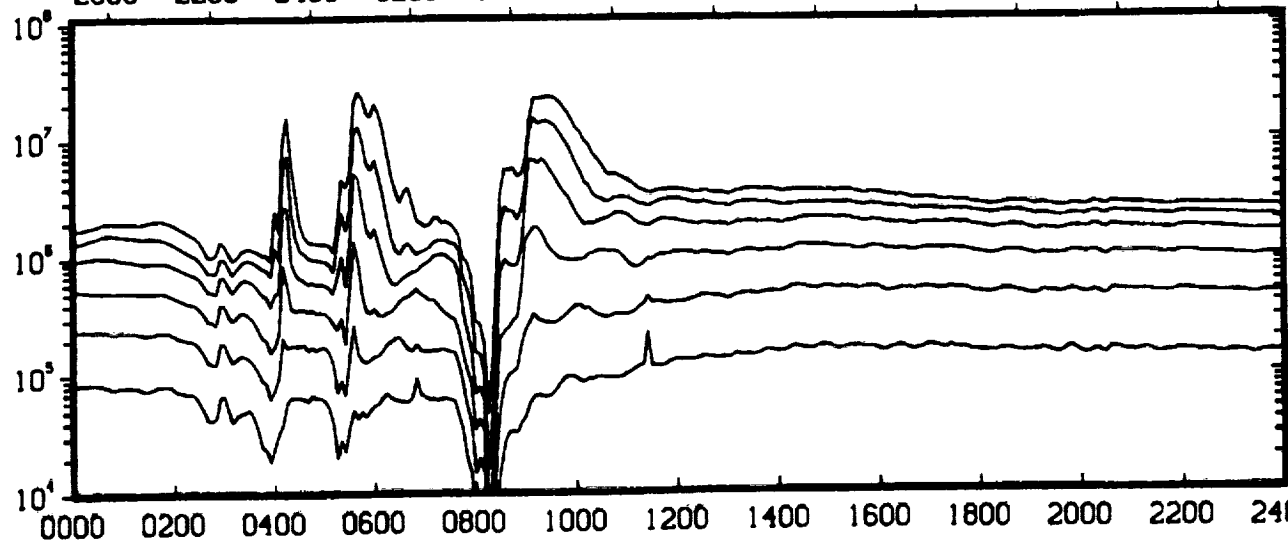
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



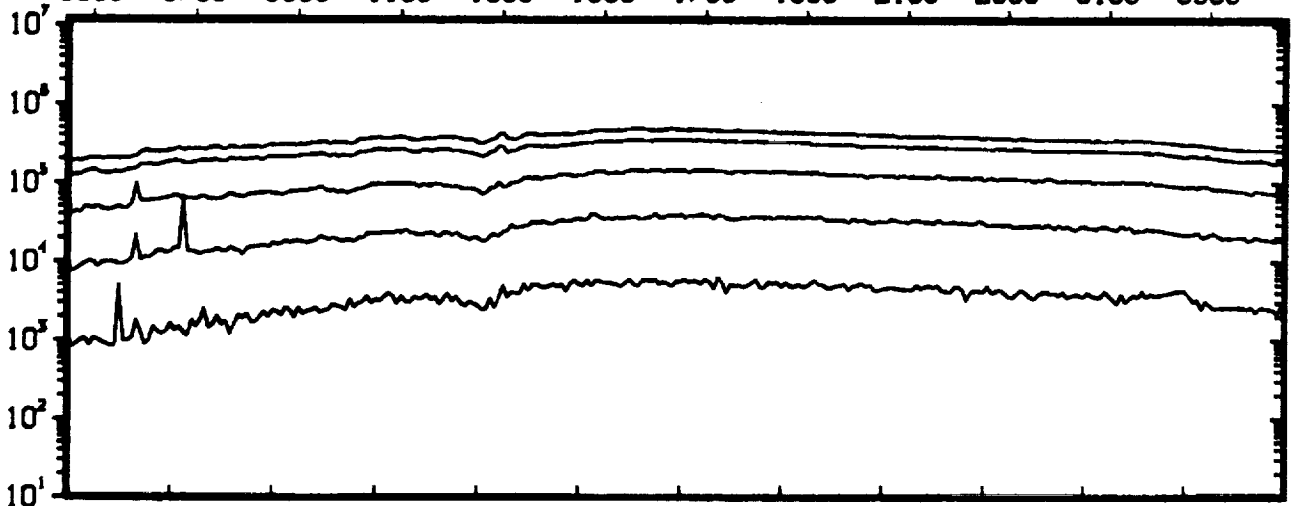
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

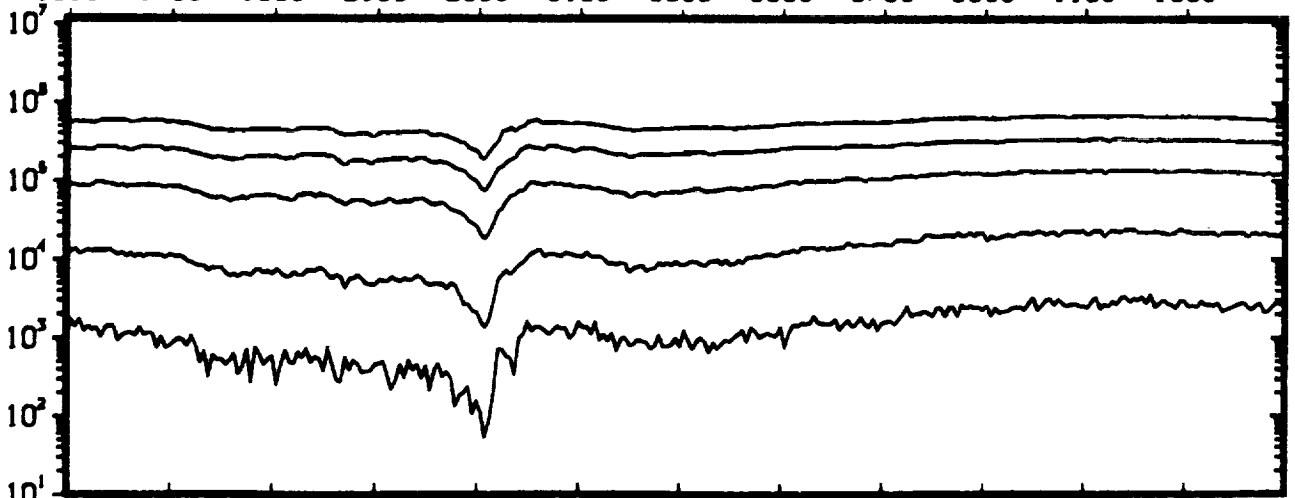
83/05/19

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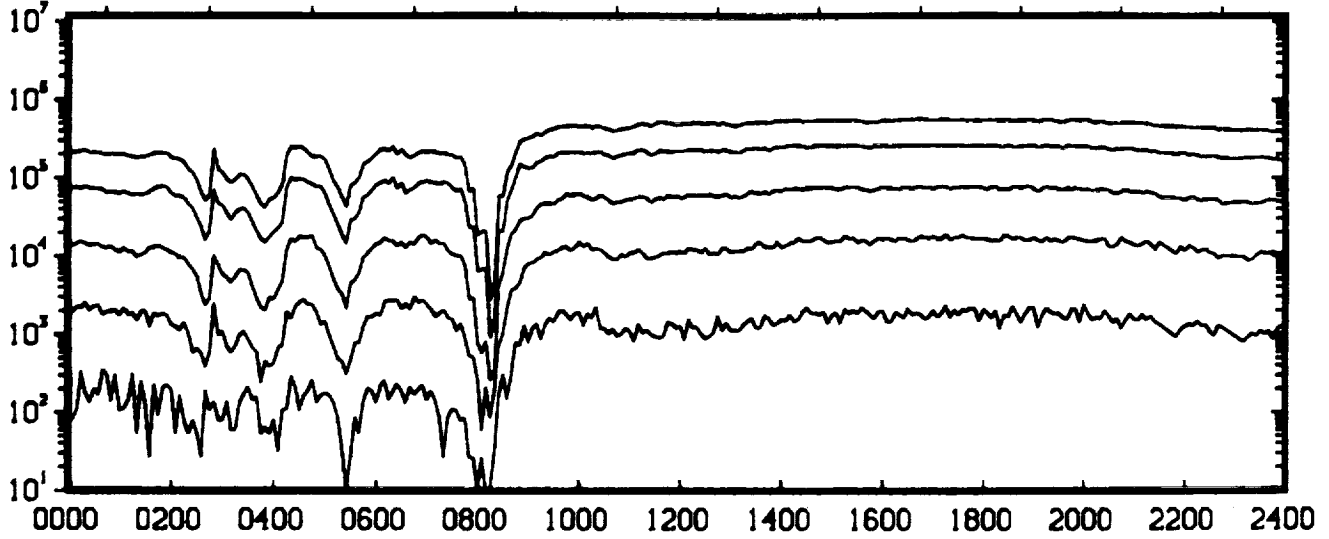
1981-025

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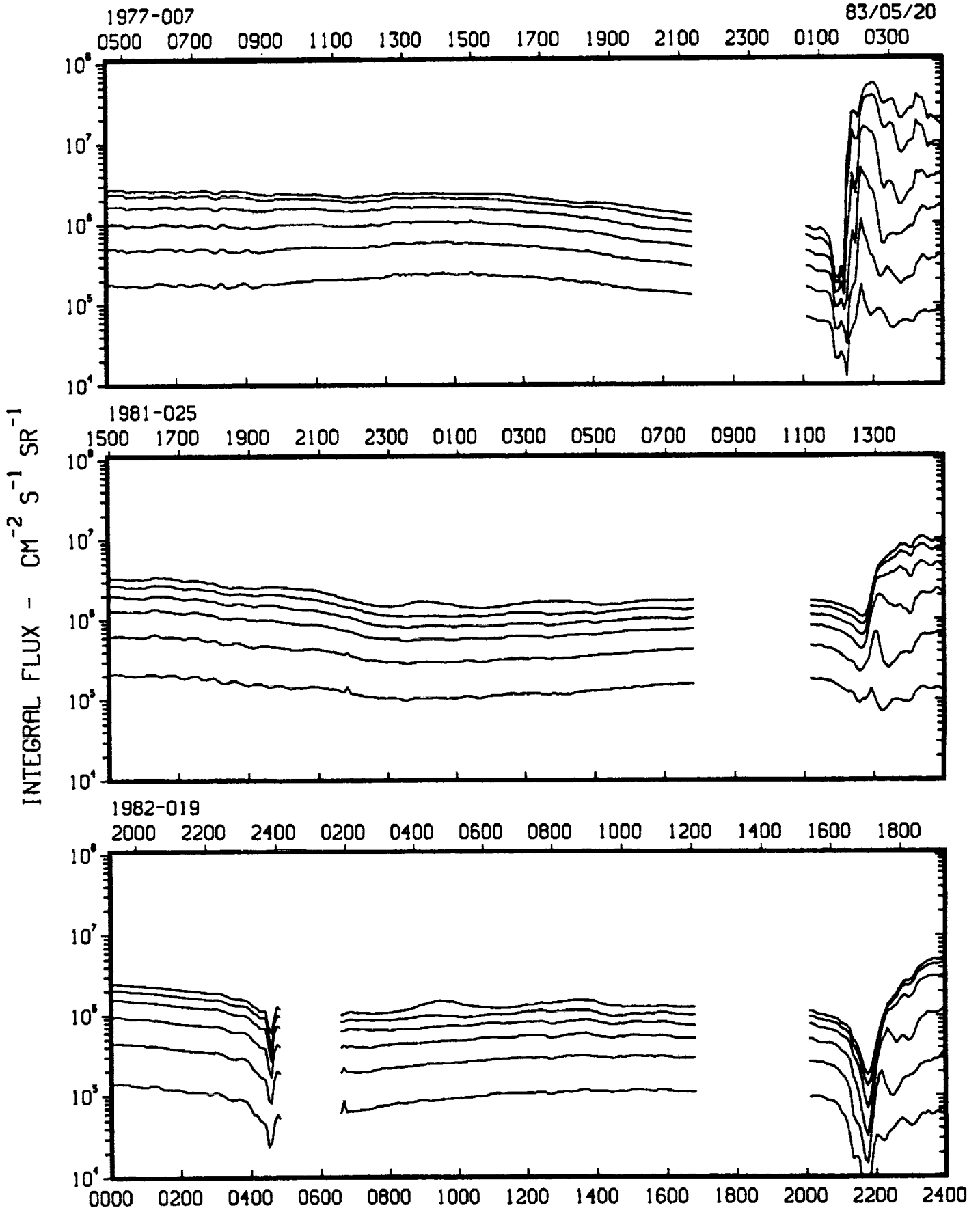
1982-019

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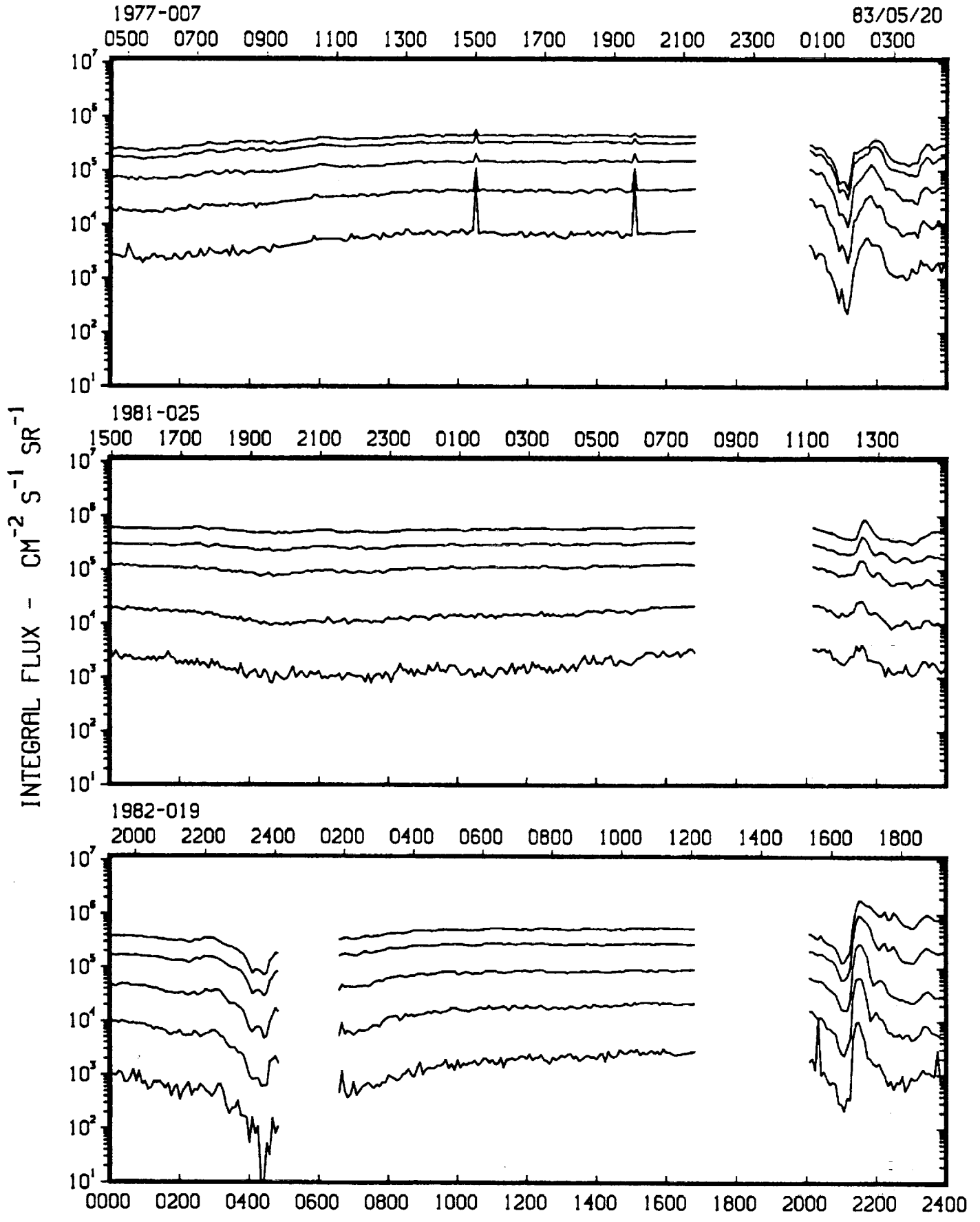
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS





# LOW ENERGY IONS

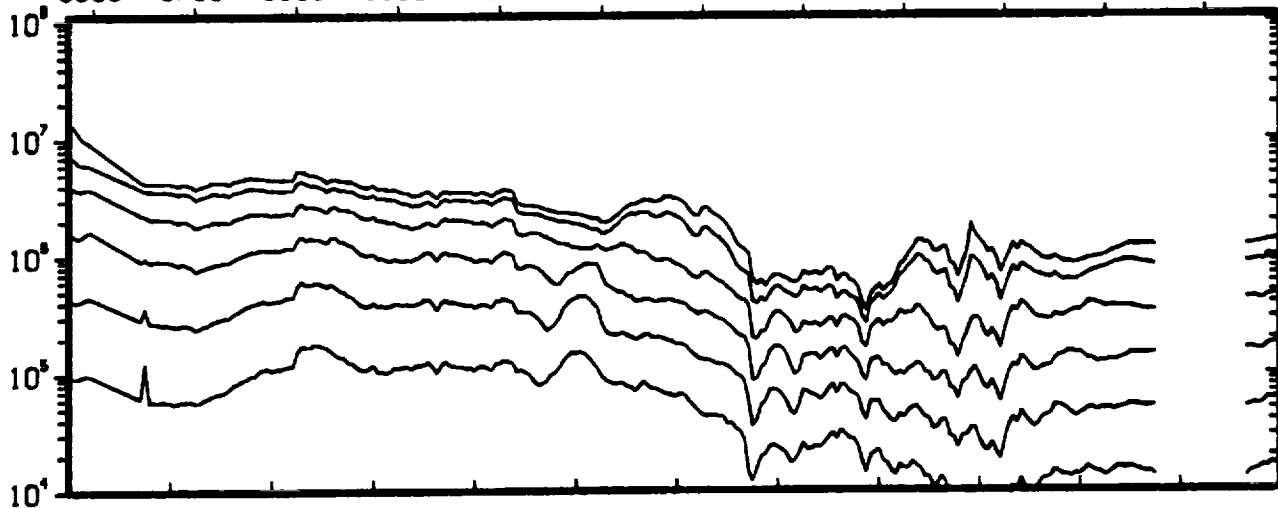


# LOW ENERGY ELECTRONS

1977-007

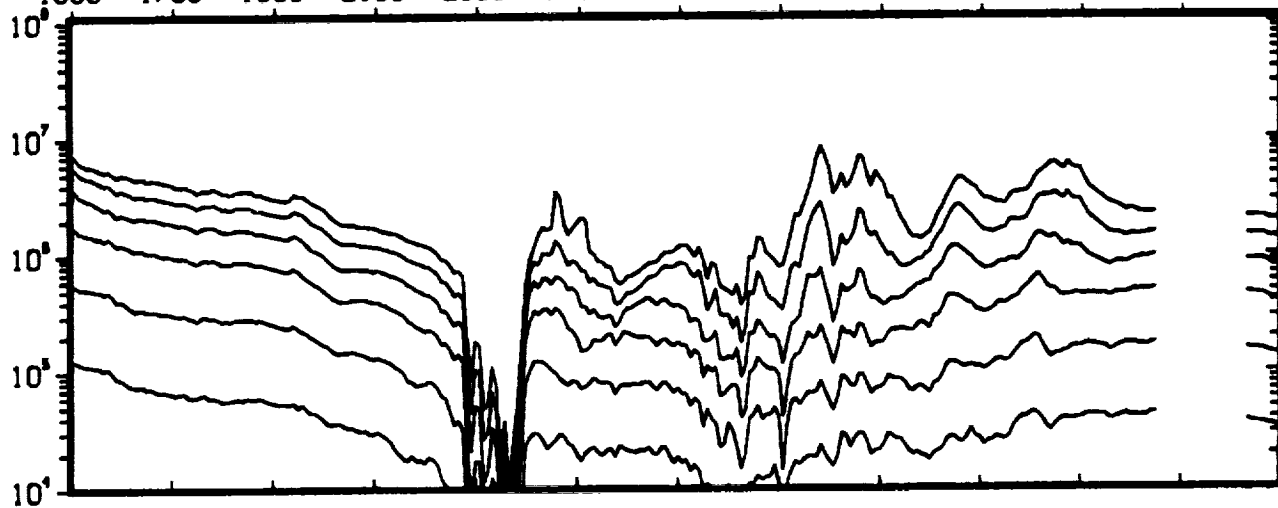
83/05/21

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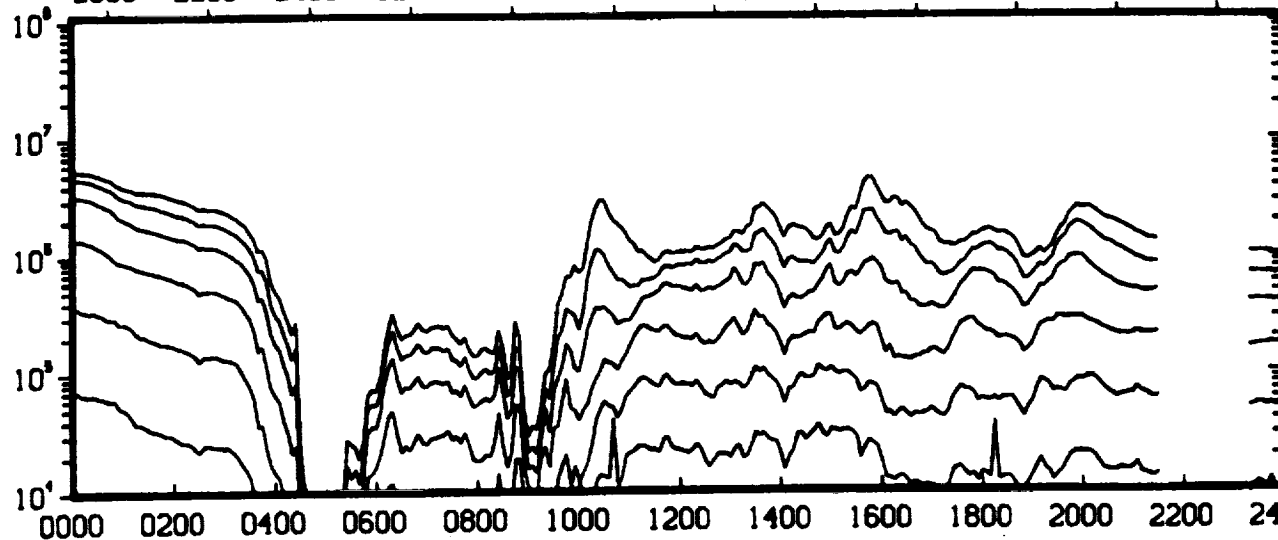
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

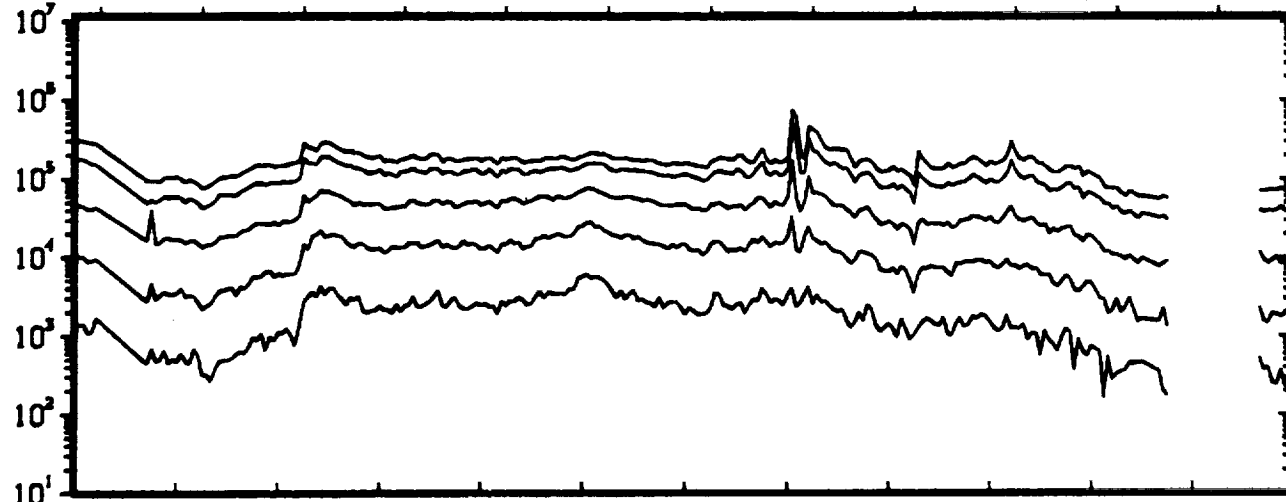
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

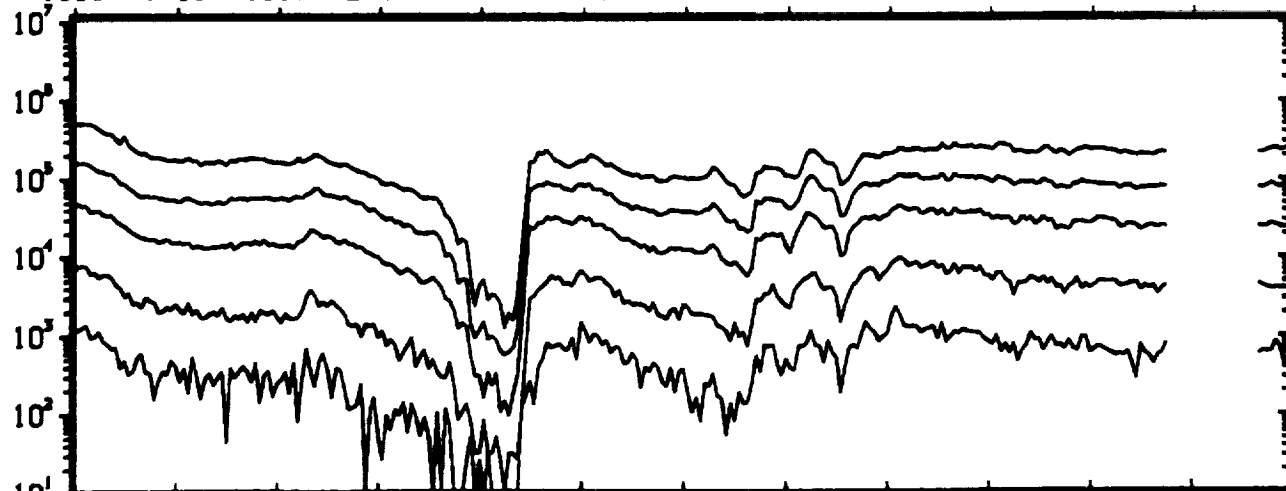
# LOW ENERGY IONS

1977-007 83/05/21  
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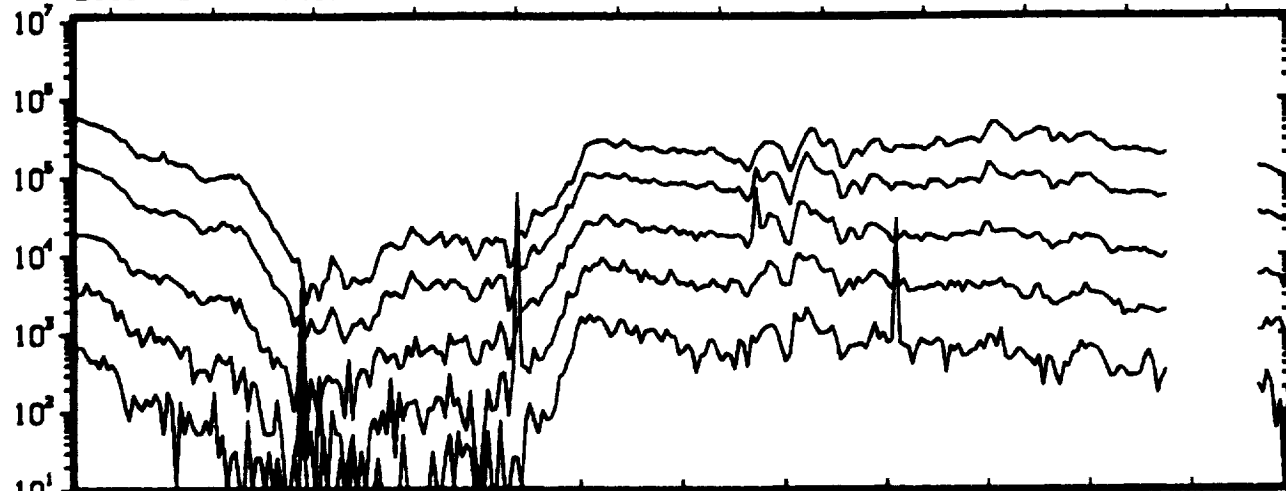


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
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1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



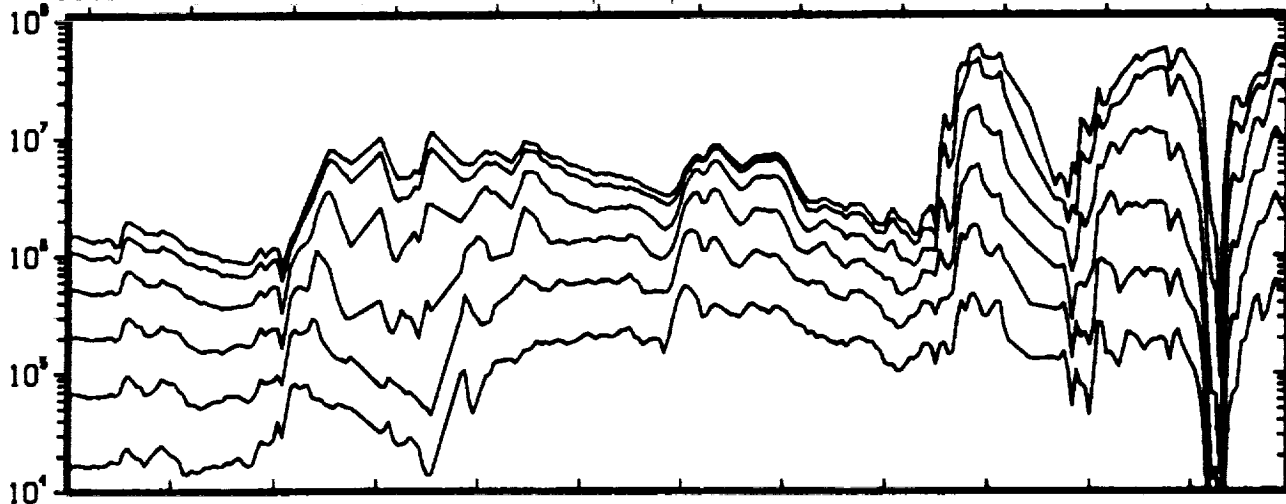
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# LOW ENERGY ELECTRONS

1977-007

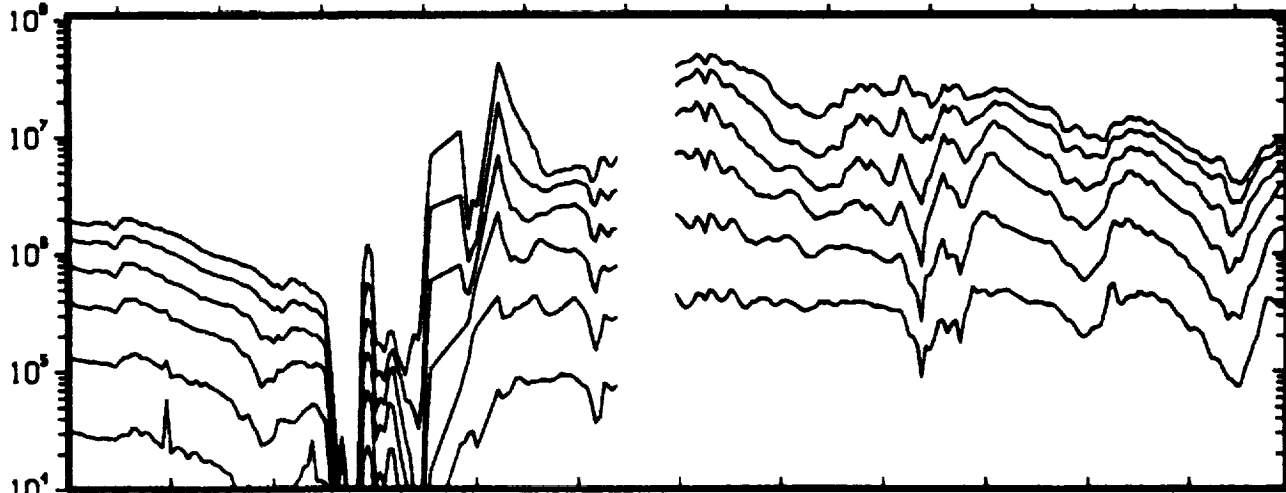
83/05/22

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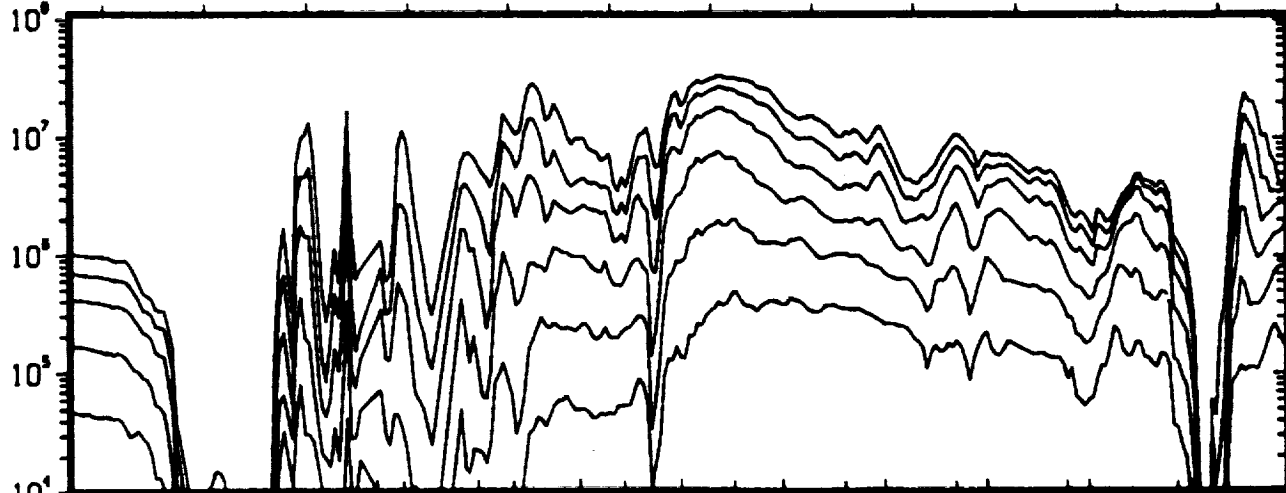
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



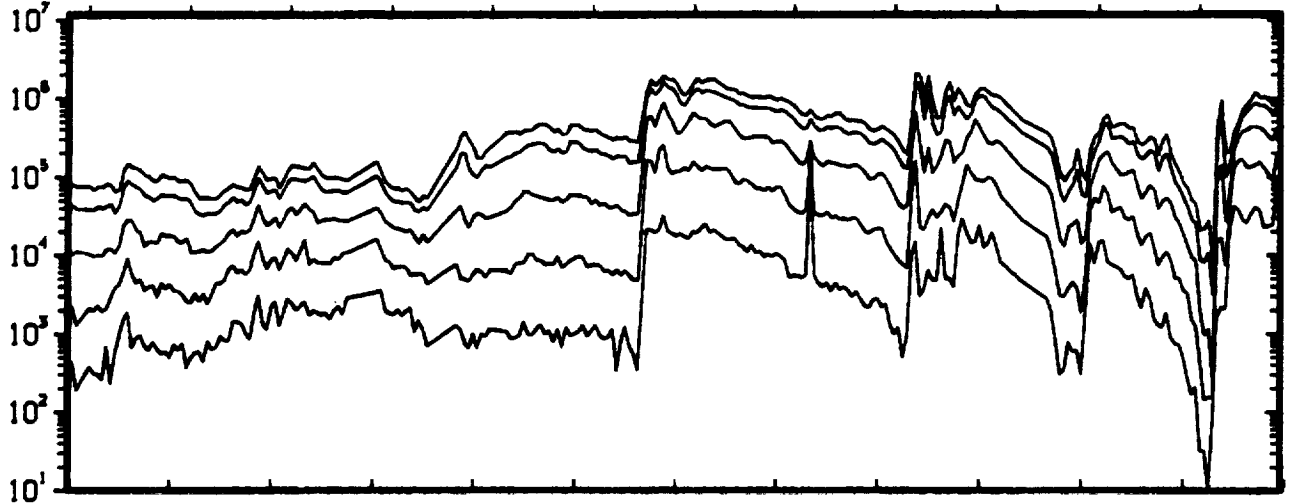
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

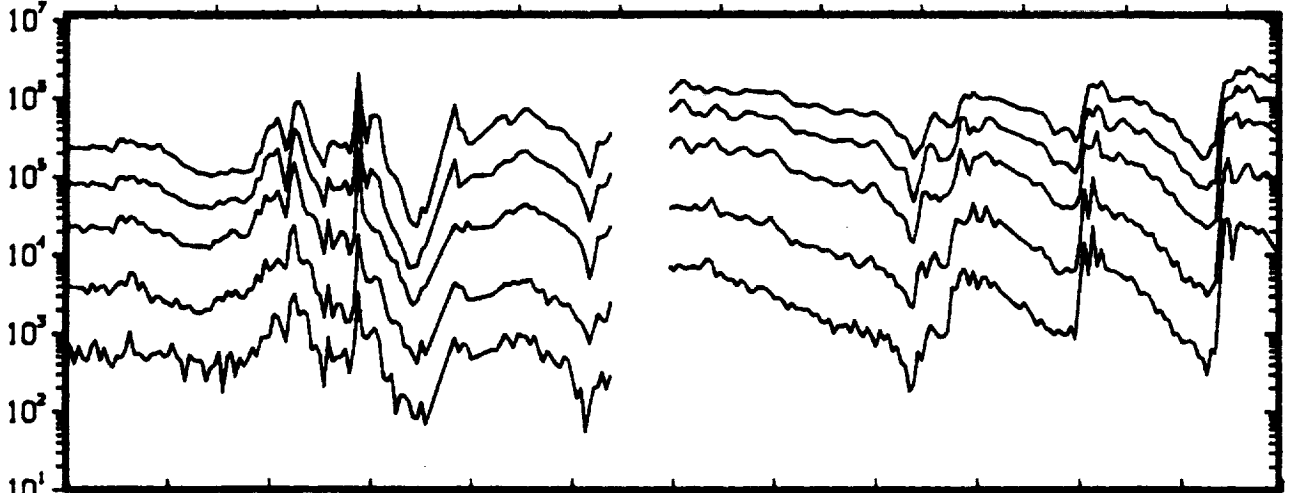
83/05/22

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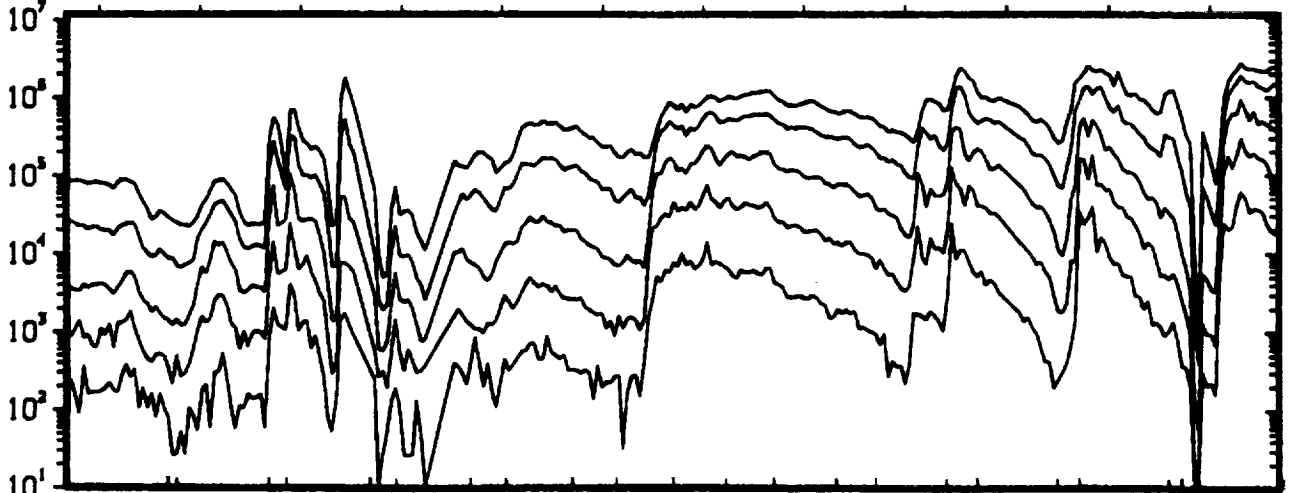
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



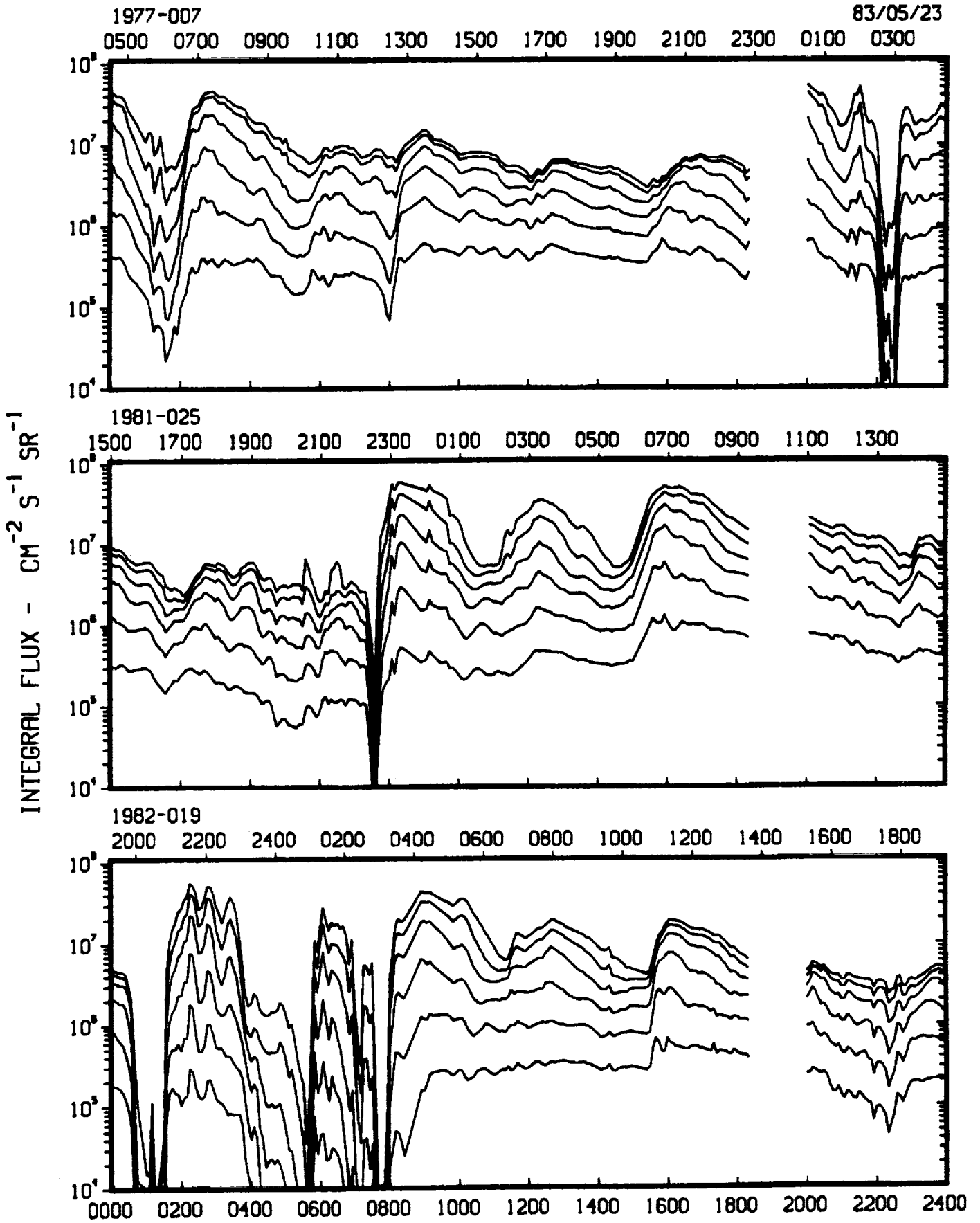
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

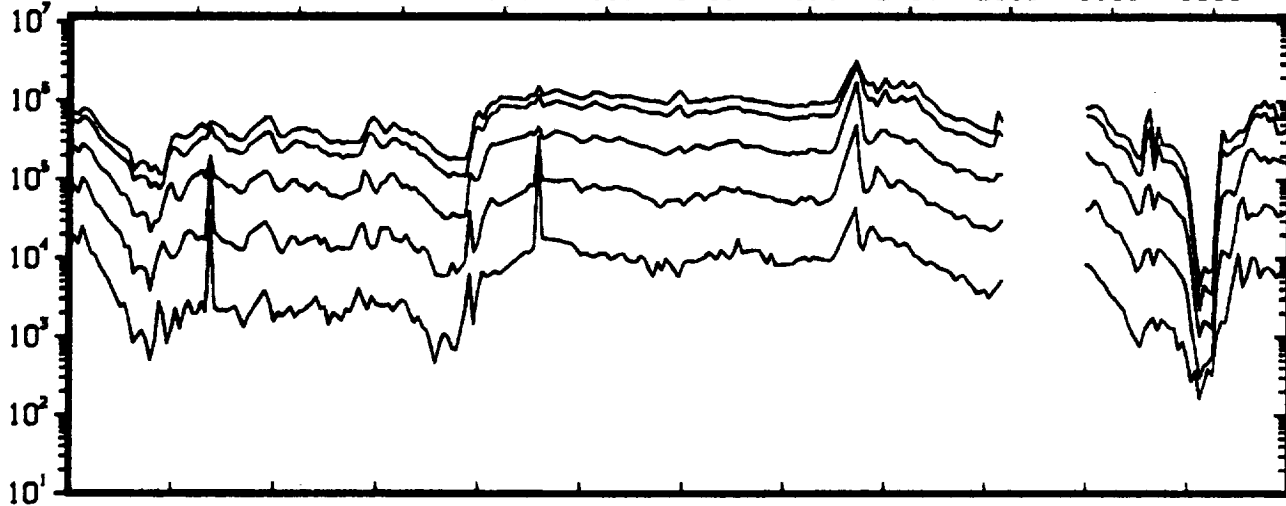


# LOW ENERGY IONS

1977-007

83/05/23

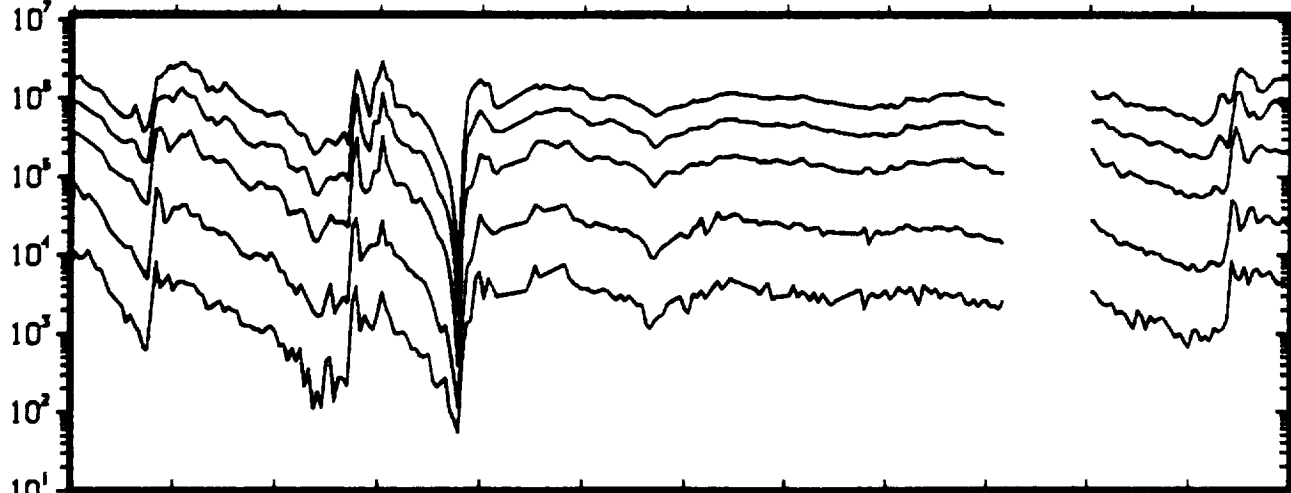
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

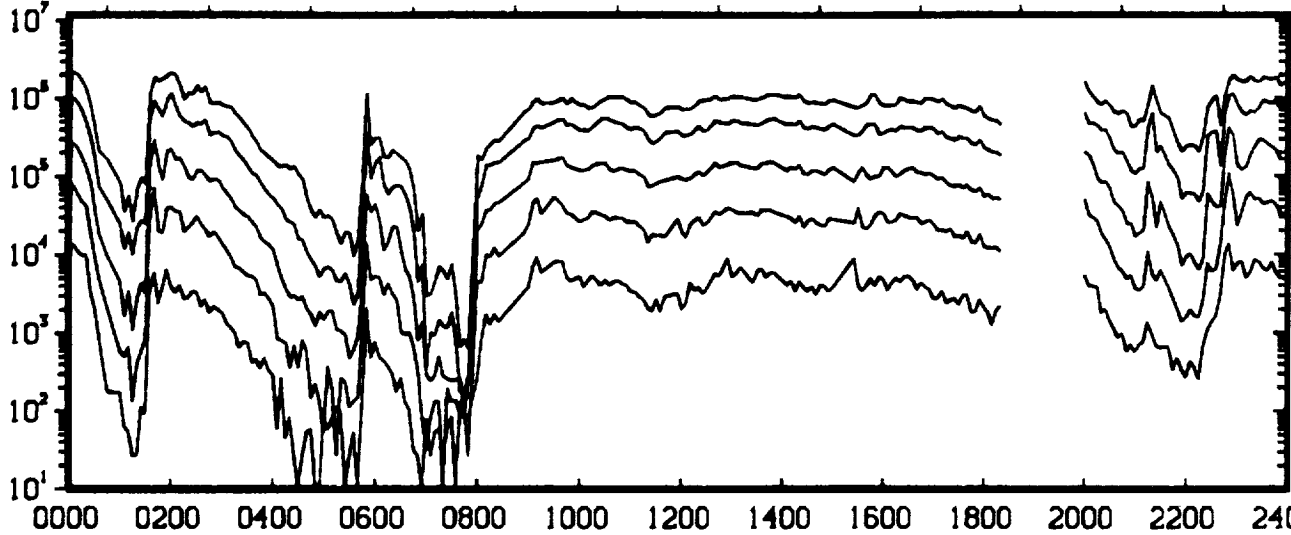
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

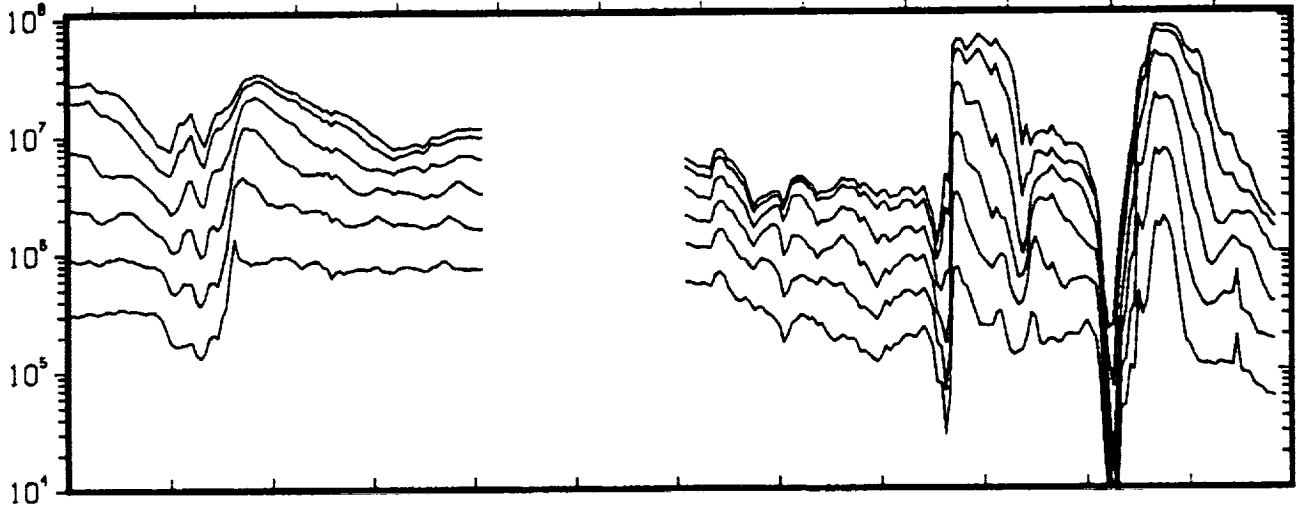


# LOW ENERGY ELECTRONS

1977-007

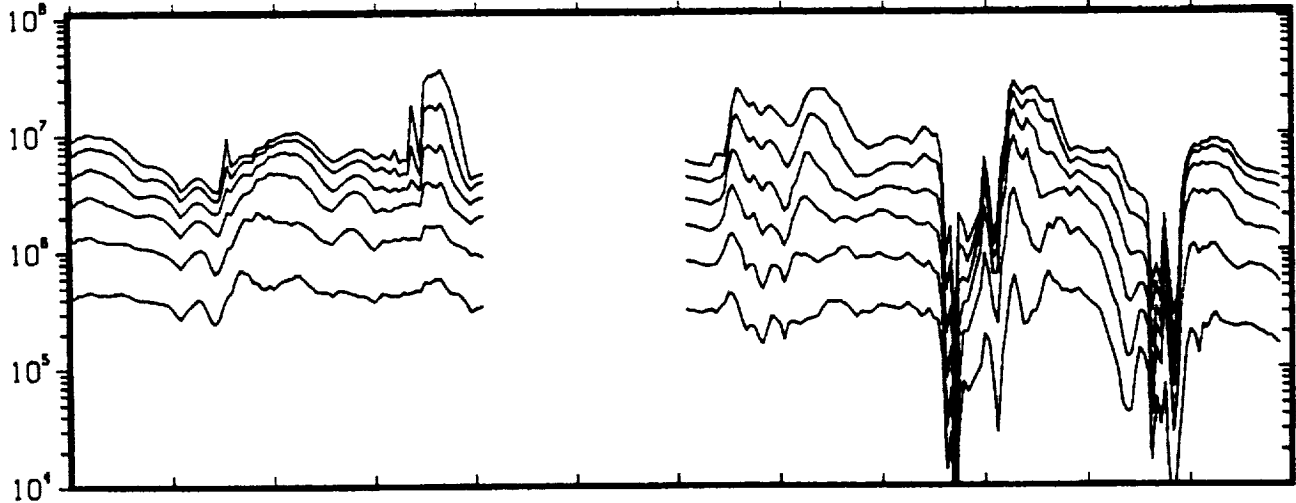
83/05/24

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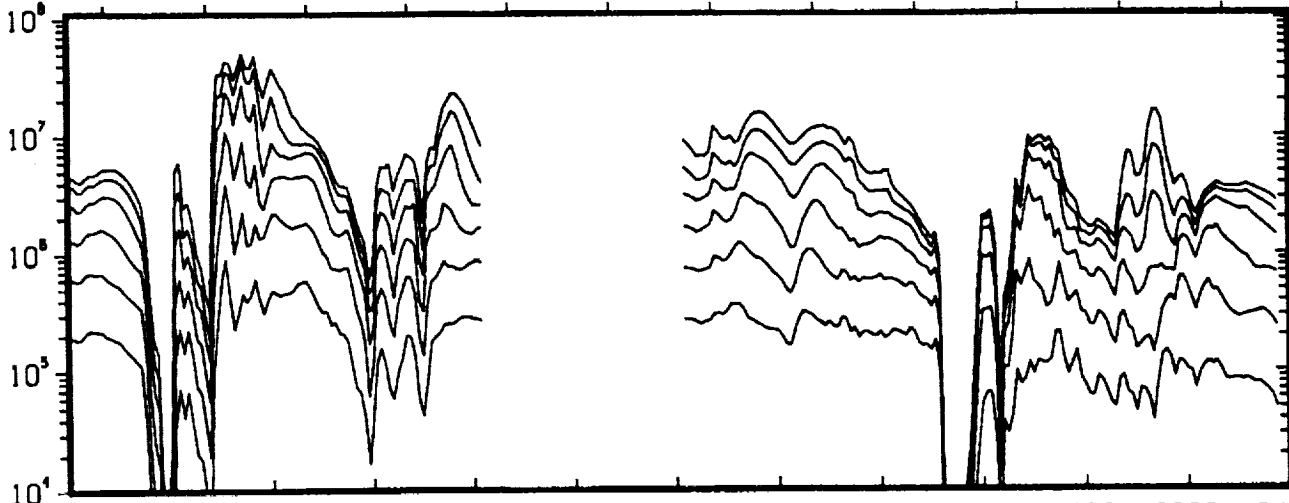
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

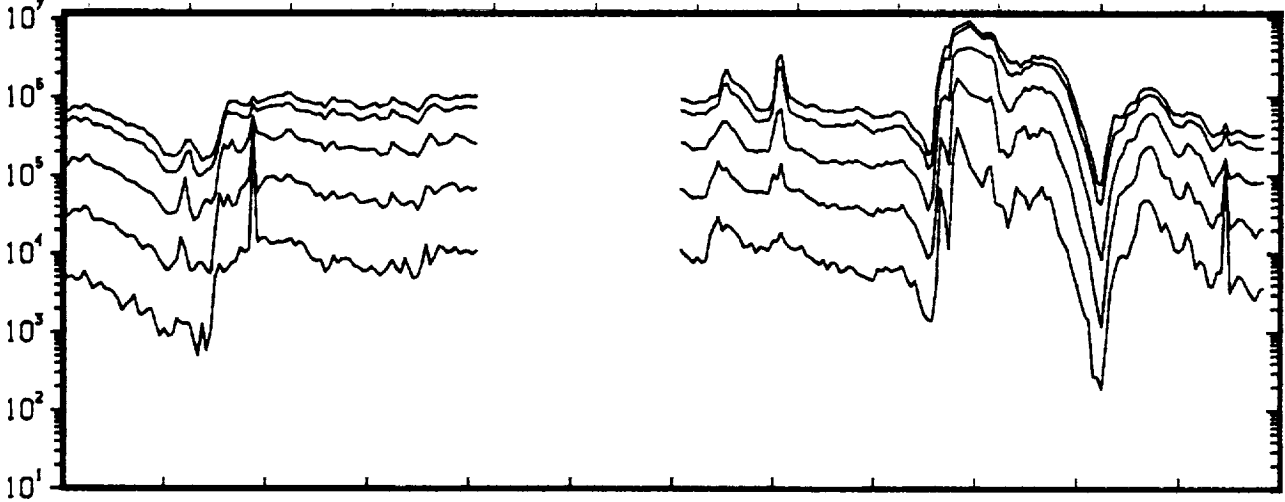


# LOW ENERGY IONS

1977-007

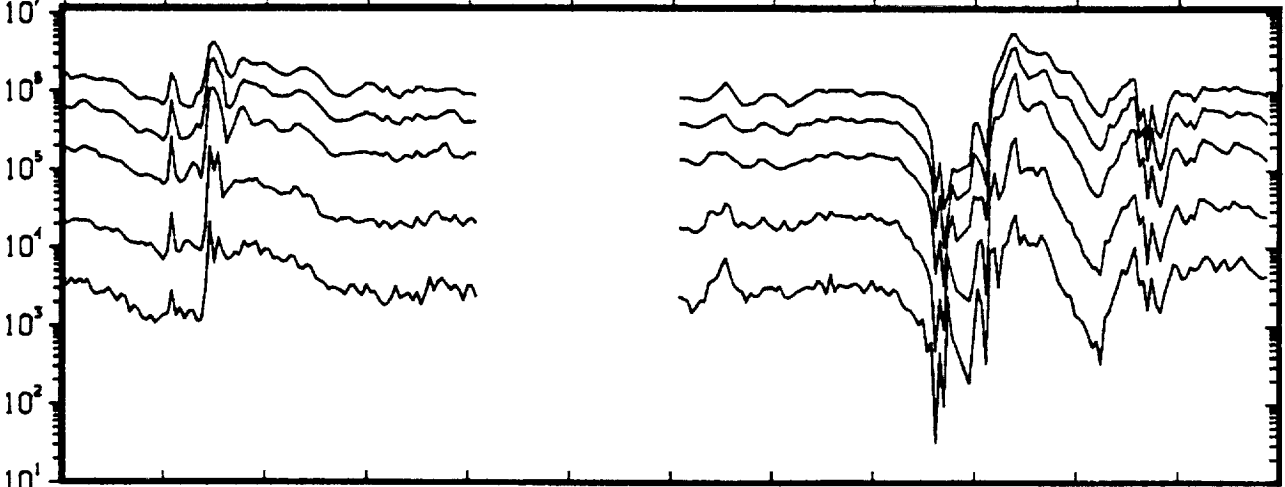
83/05/24

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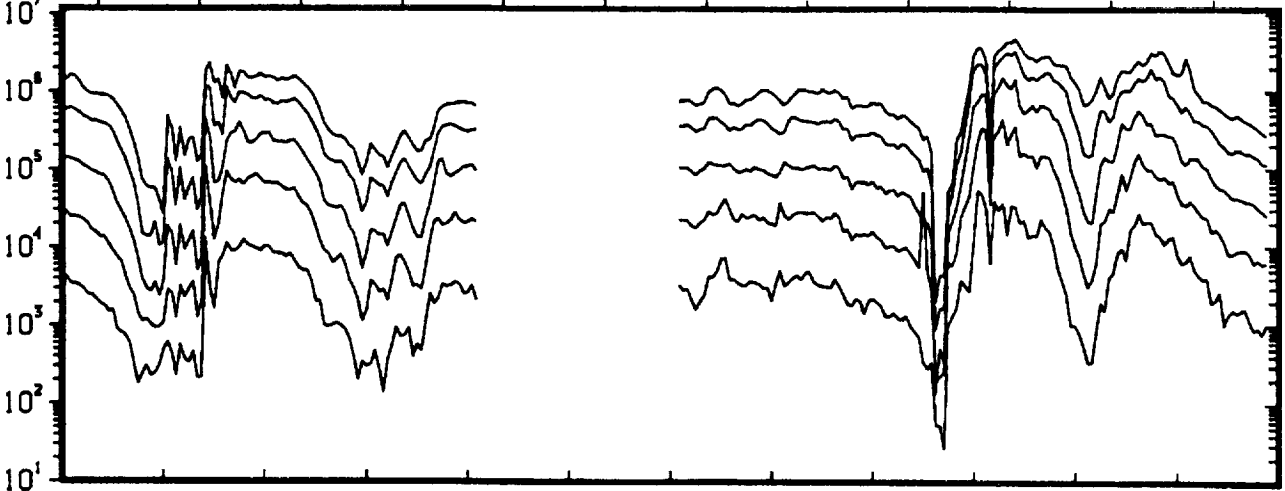
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



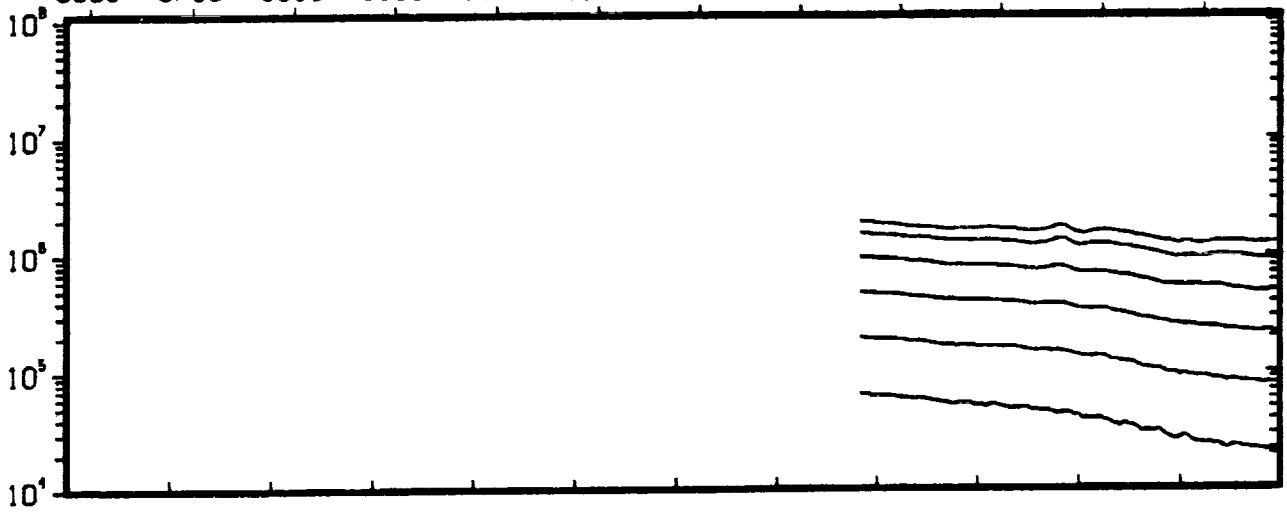
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

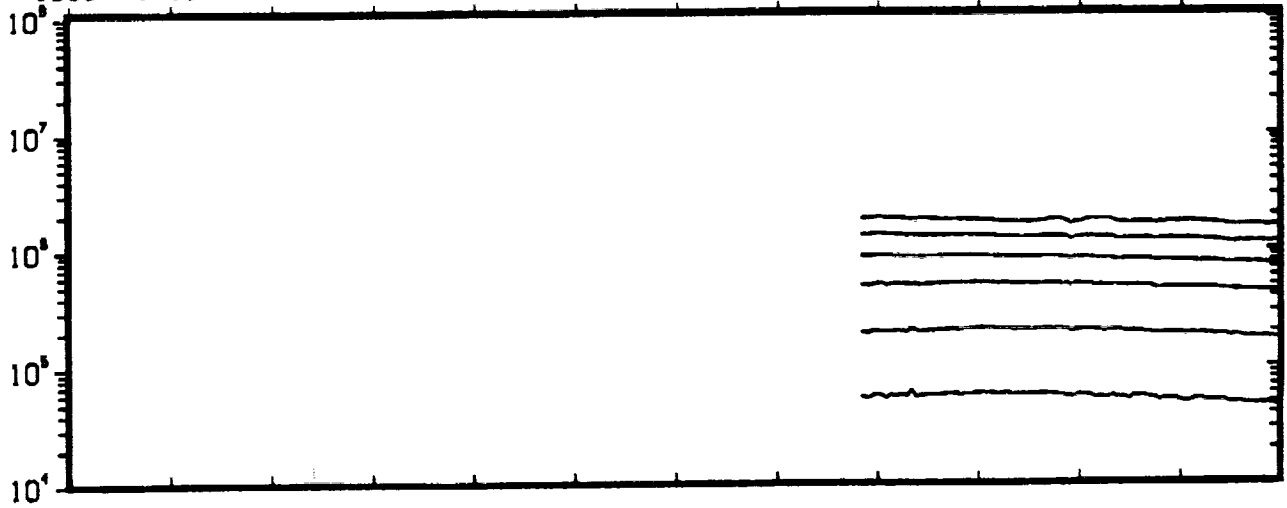
83/05/25

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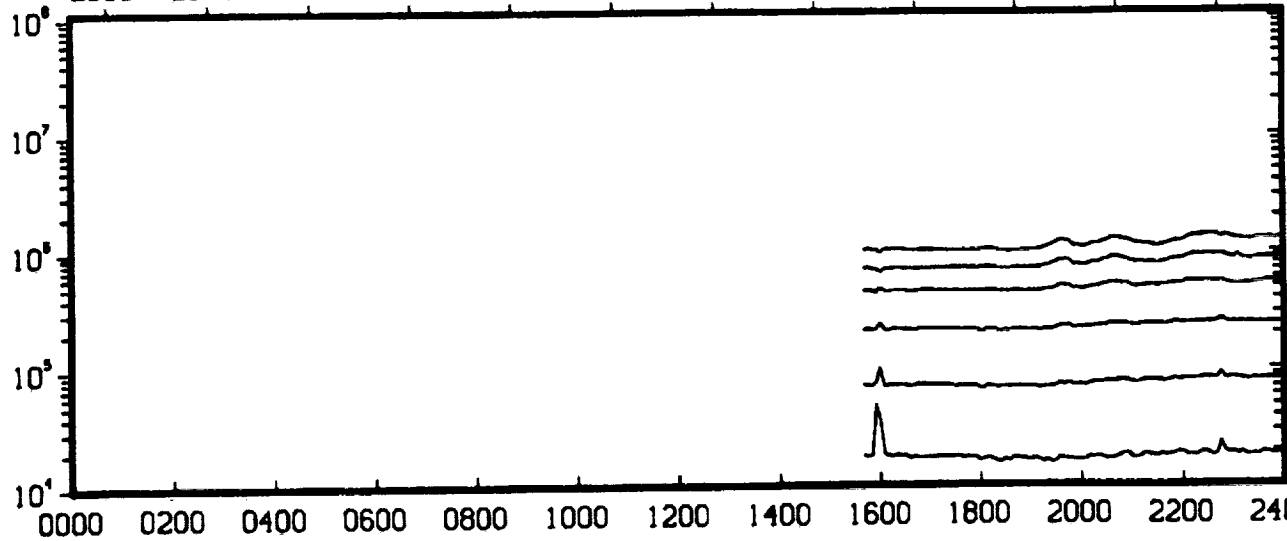
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



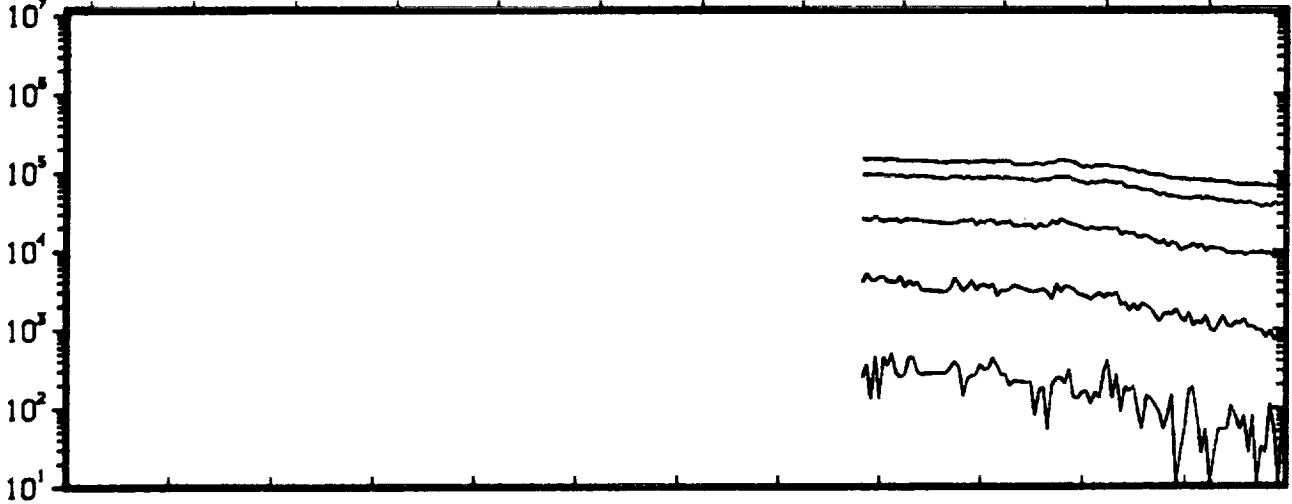
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

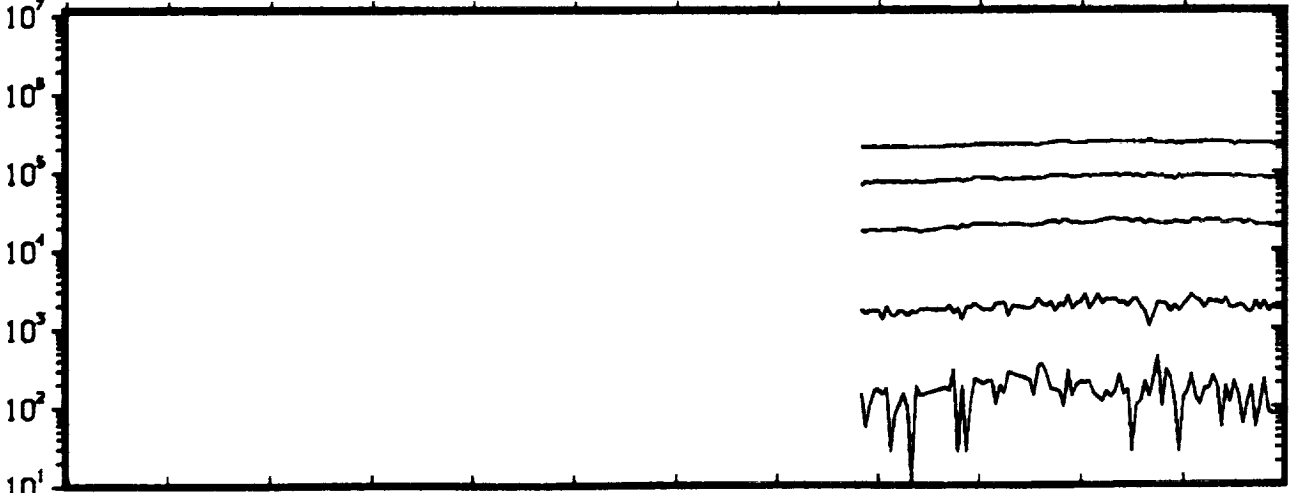
83/05/25

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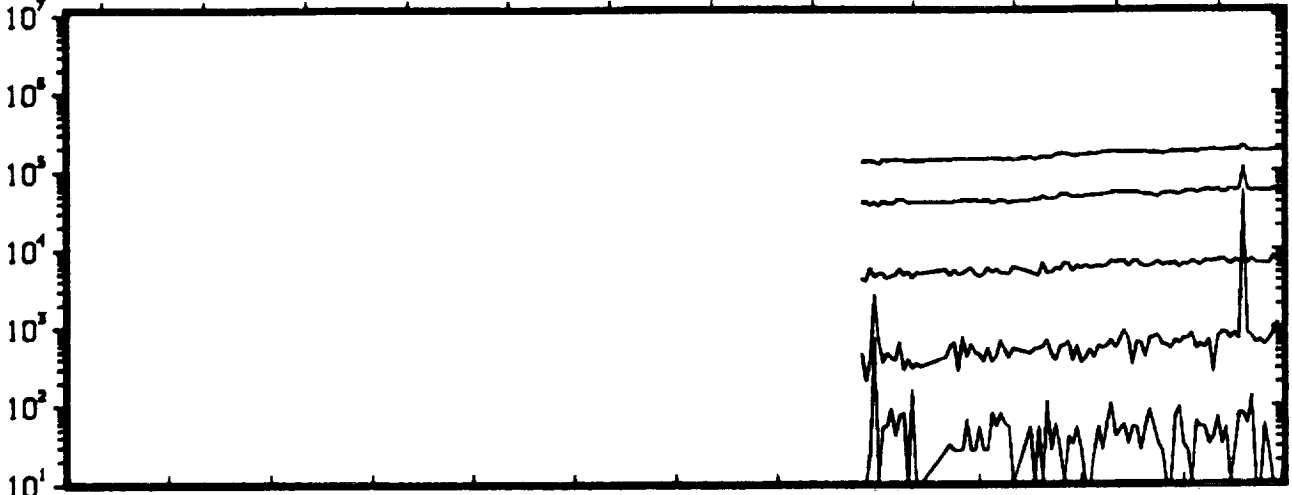
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



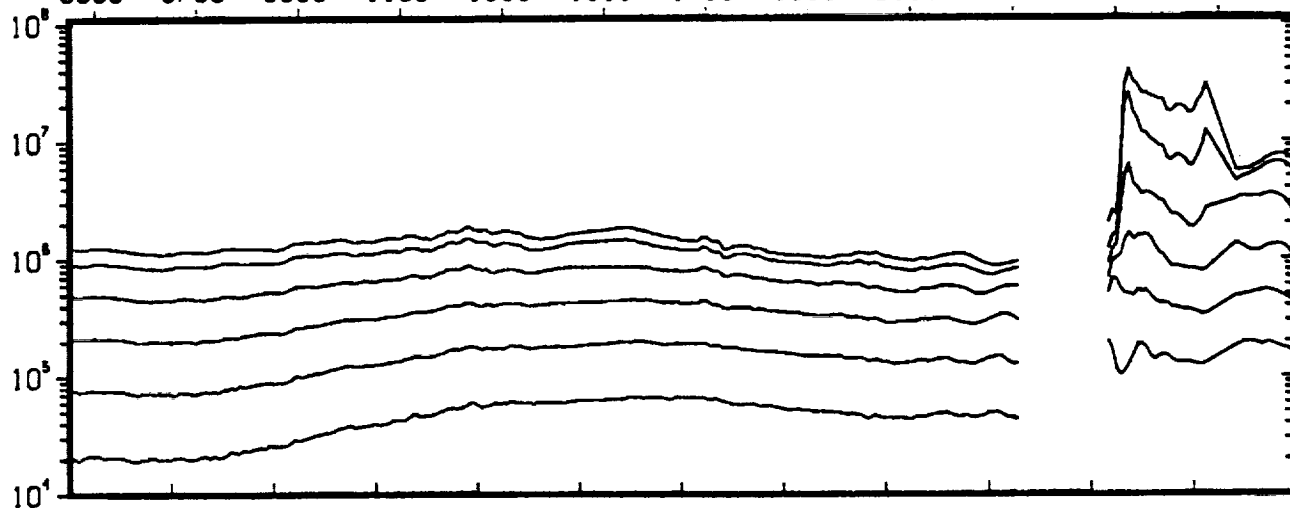
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

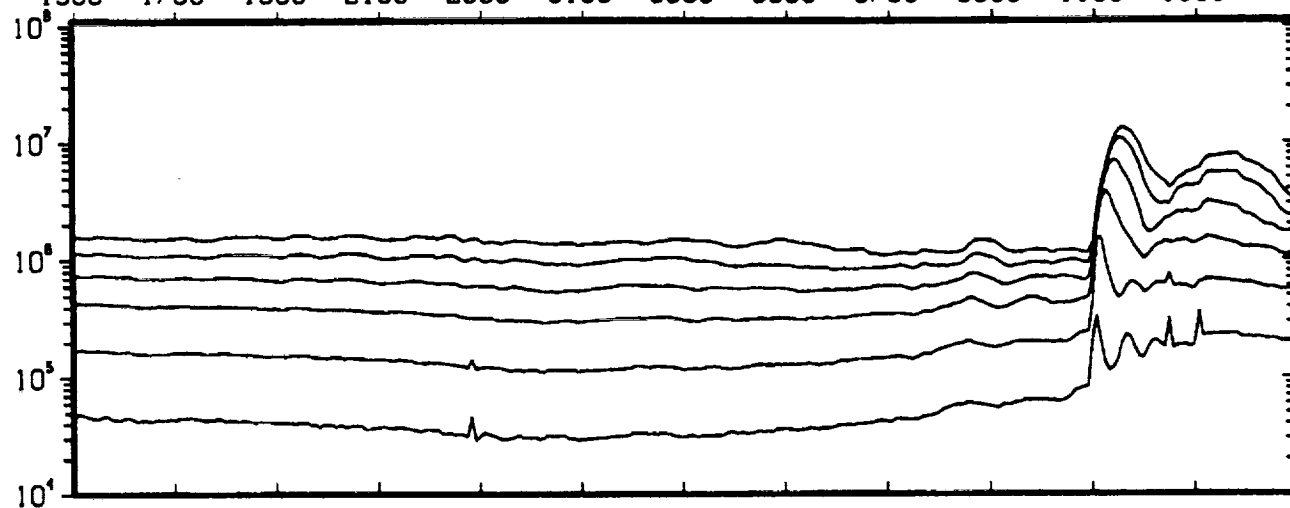
83/05/26

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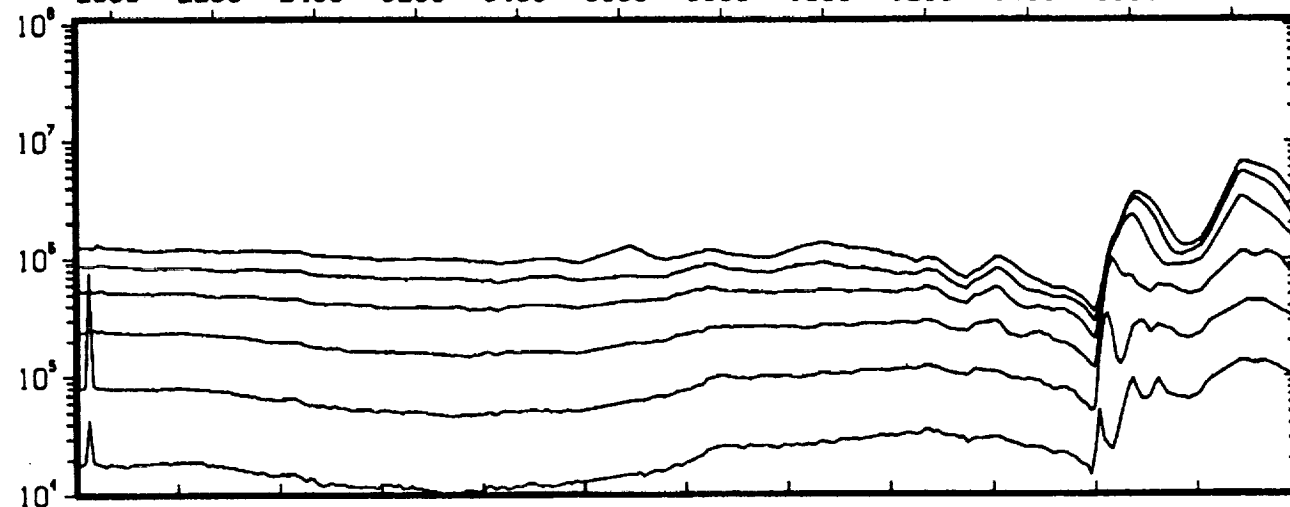
1981-025

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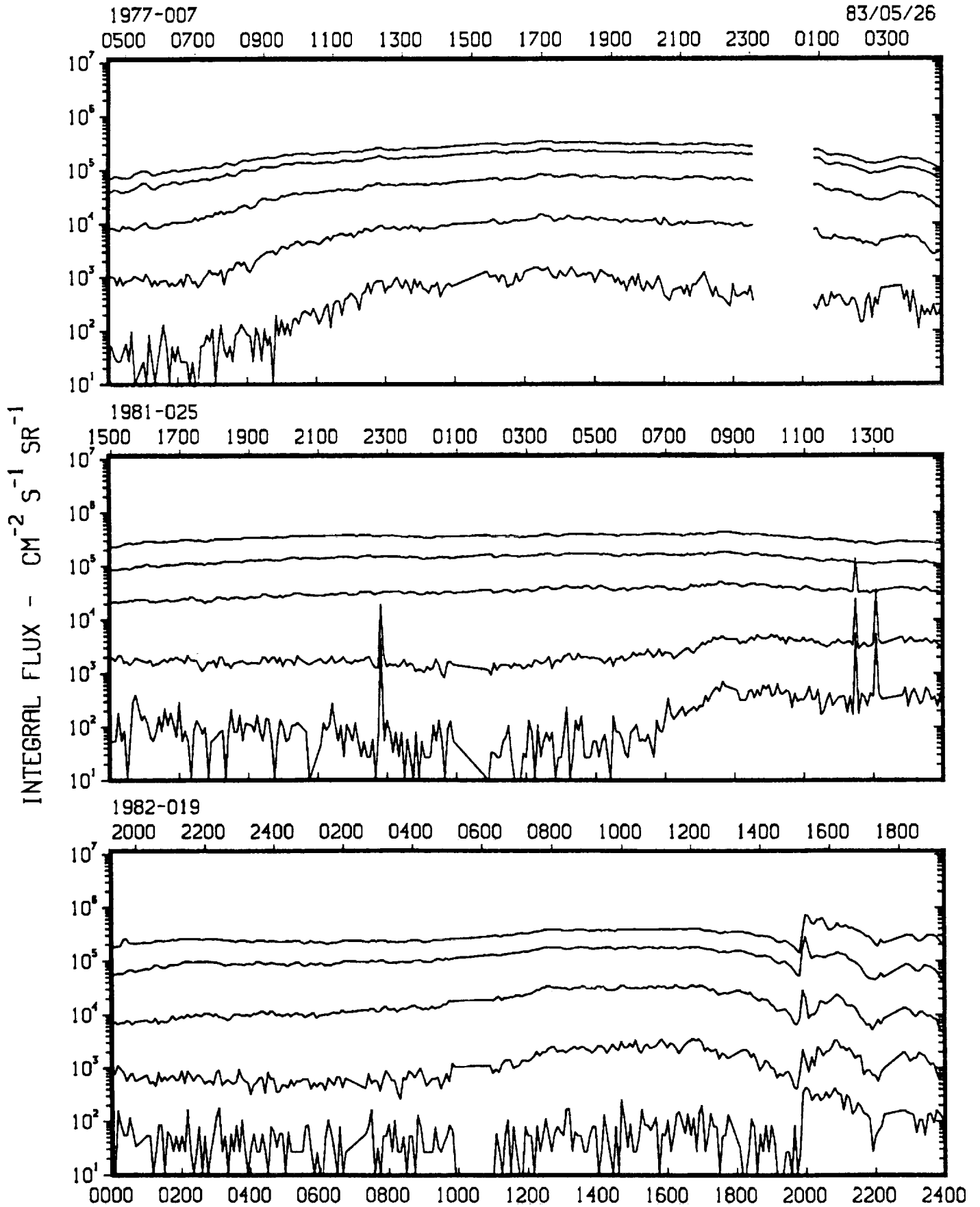
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

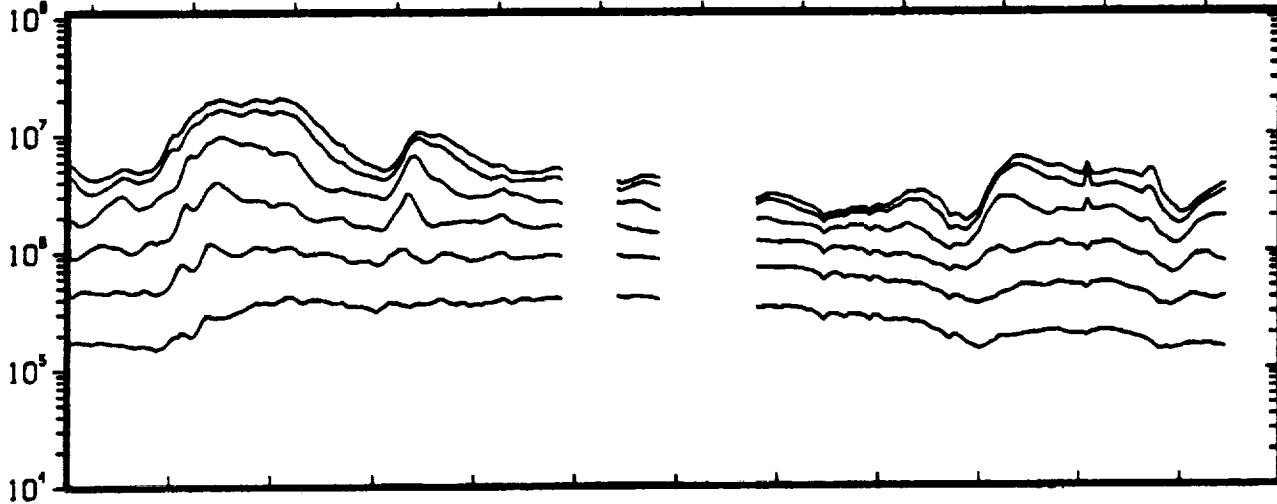


# LOW ENERGY ELECTRONS

1977-007

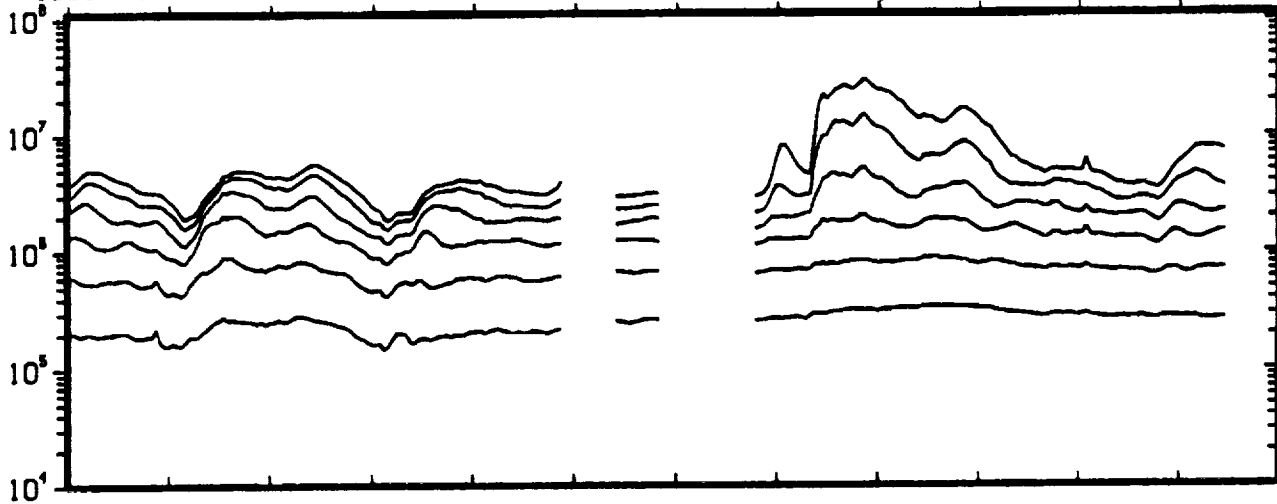
83/05/27

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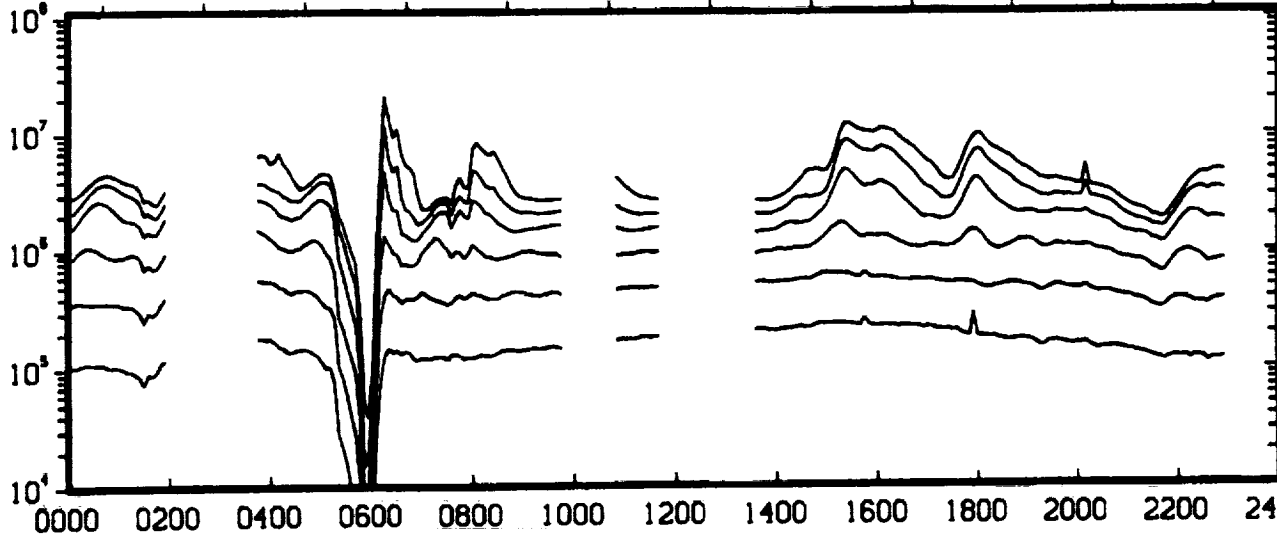
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



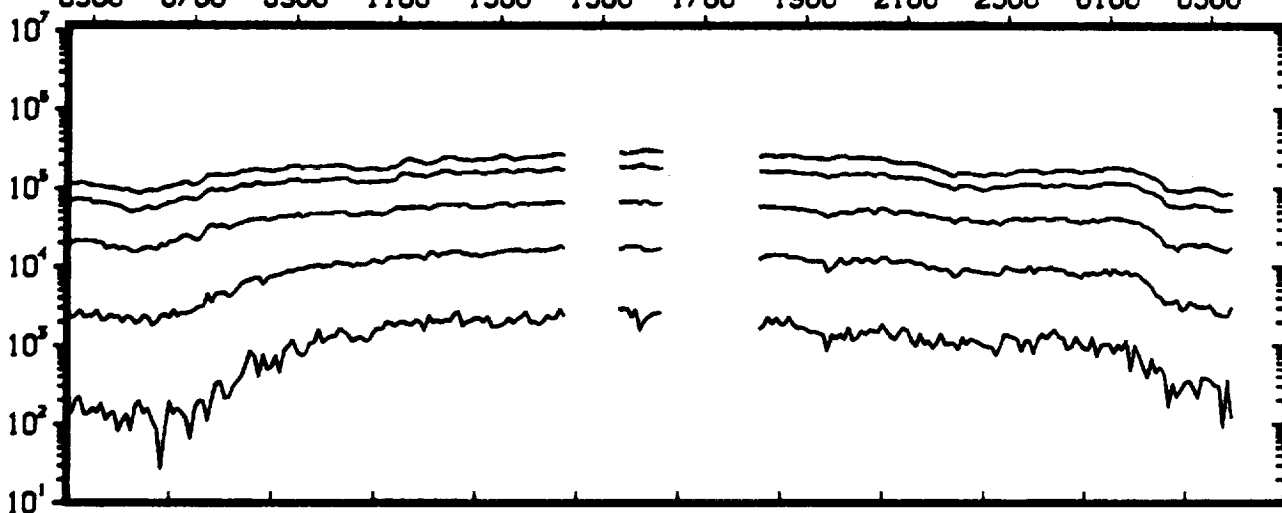
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/05/27

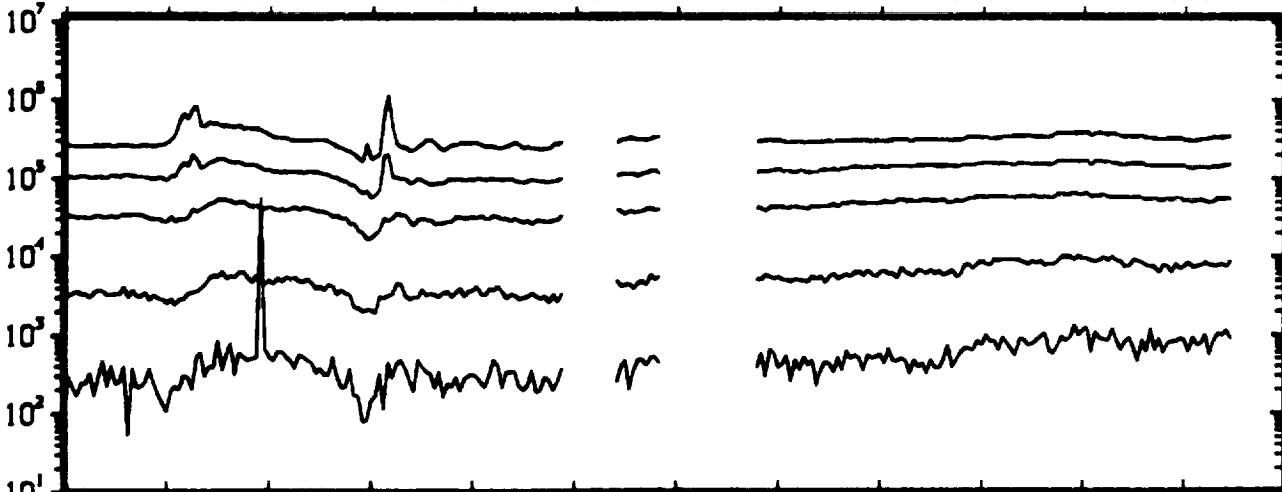
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

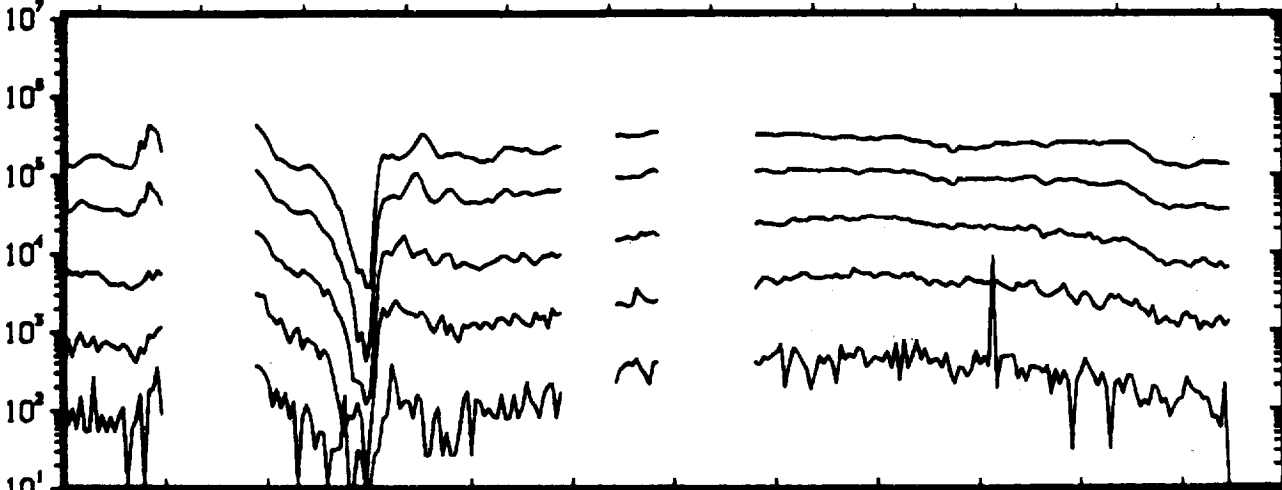
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



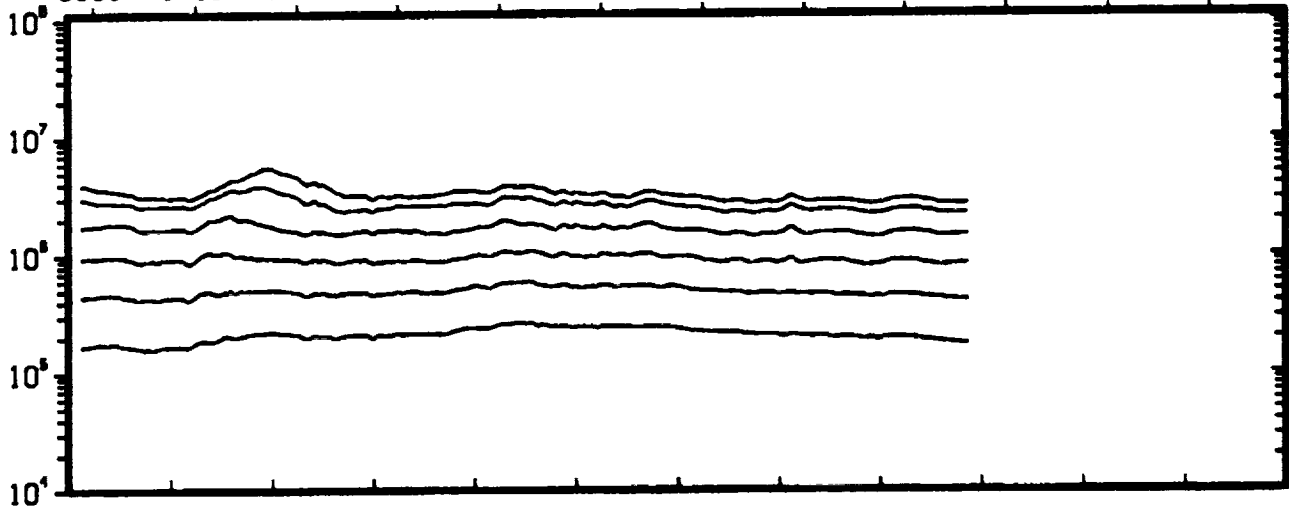
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

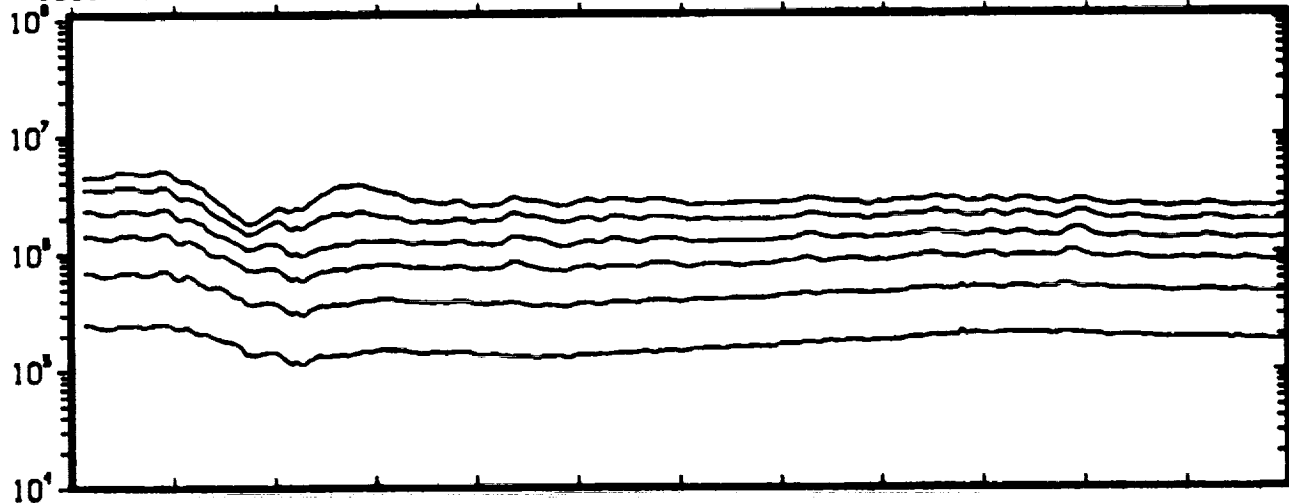
83/05/28

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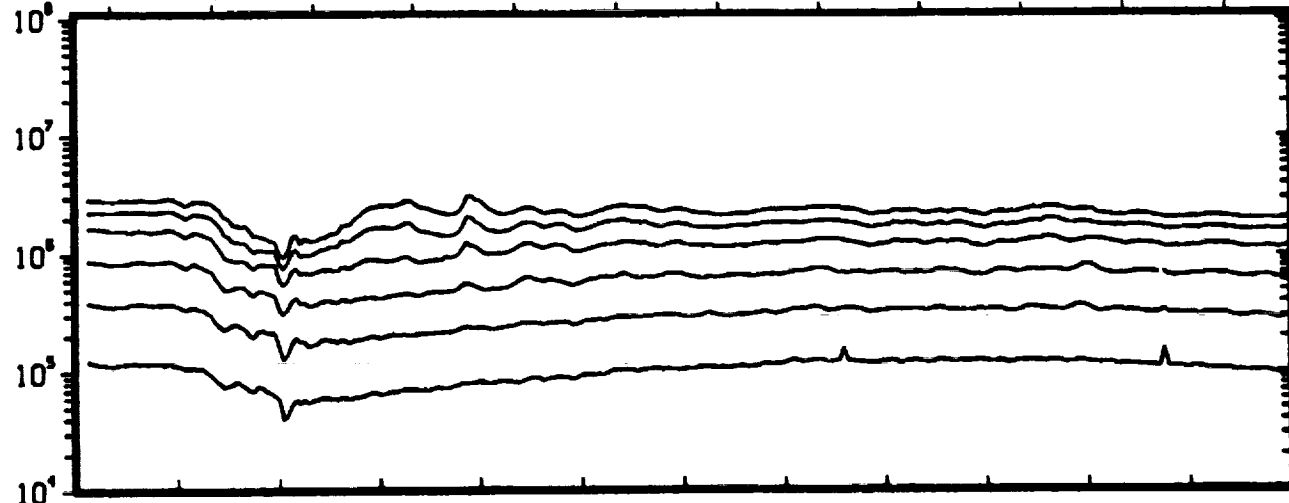
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

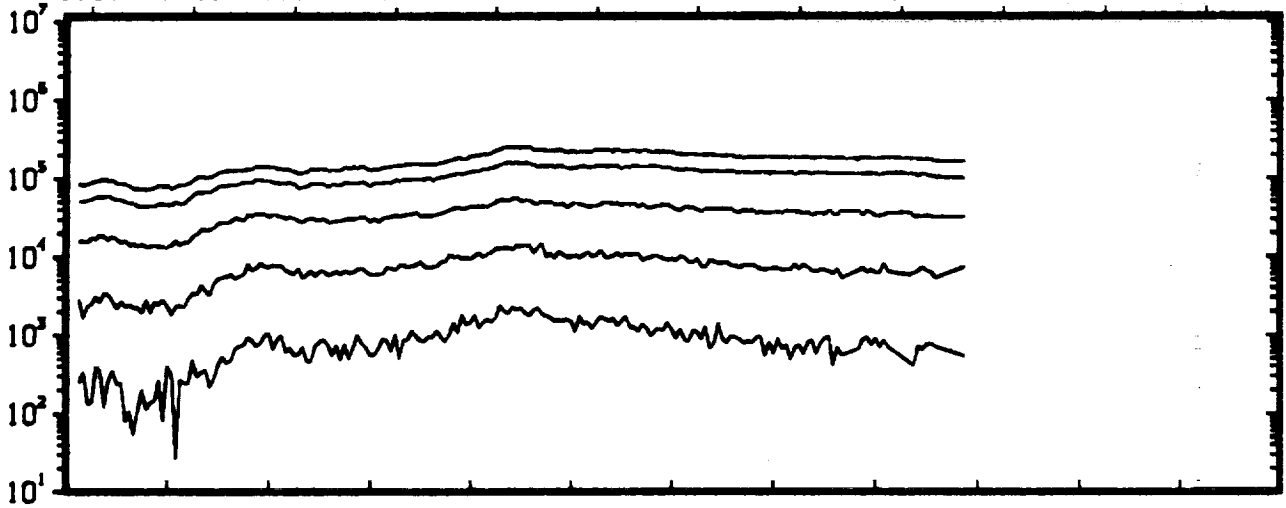


# LOW ENERGY IONS

1977-007

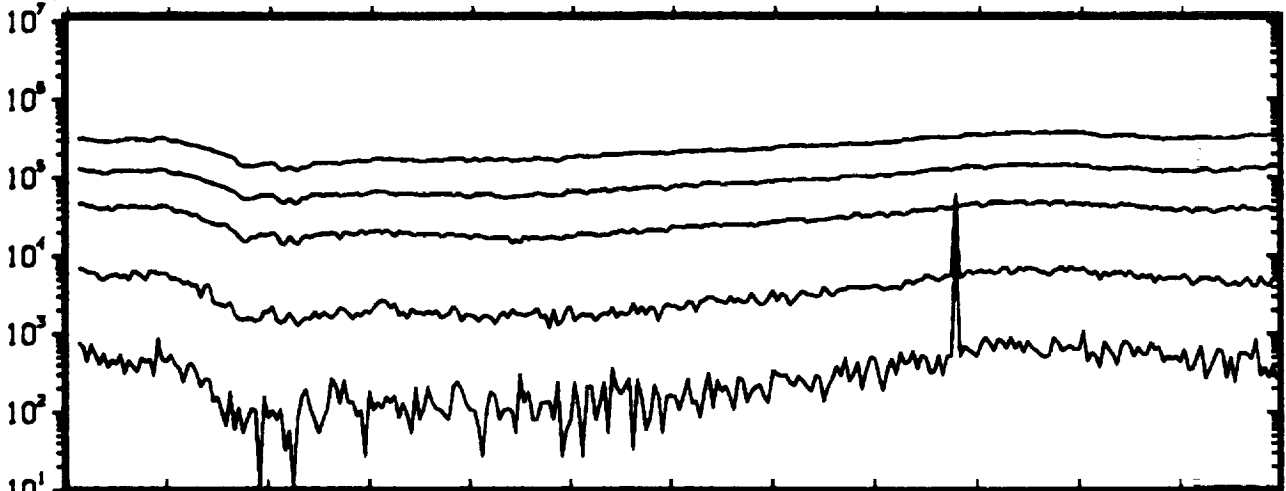
83/05/28

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



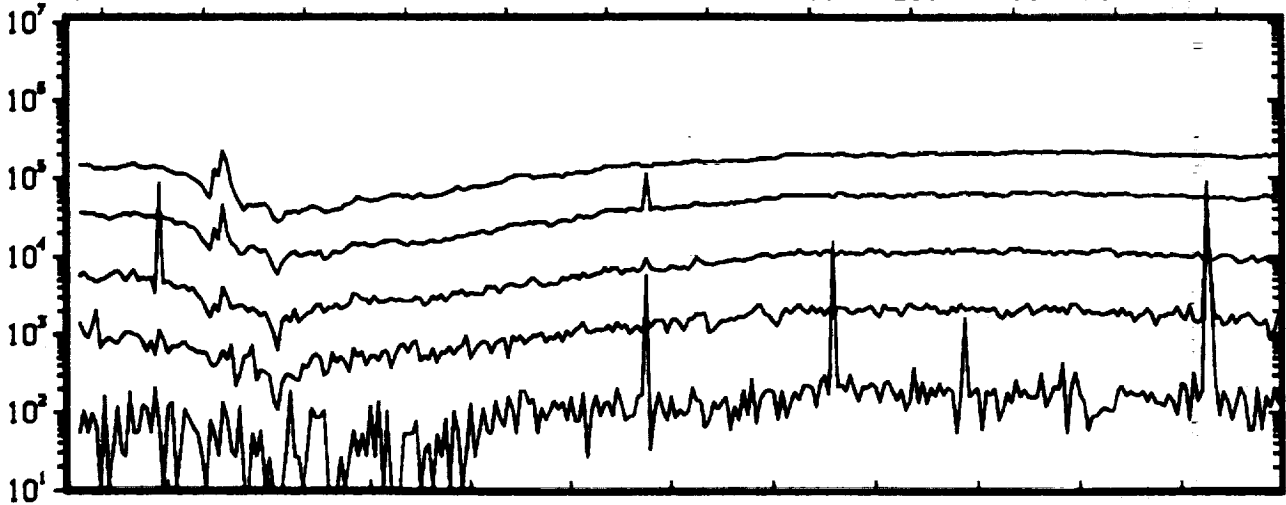
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

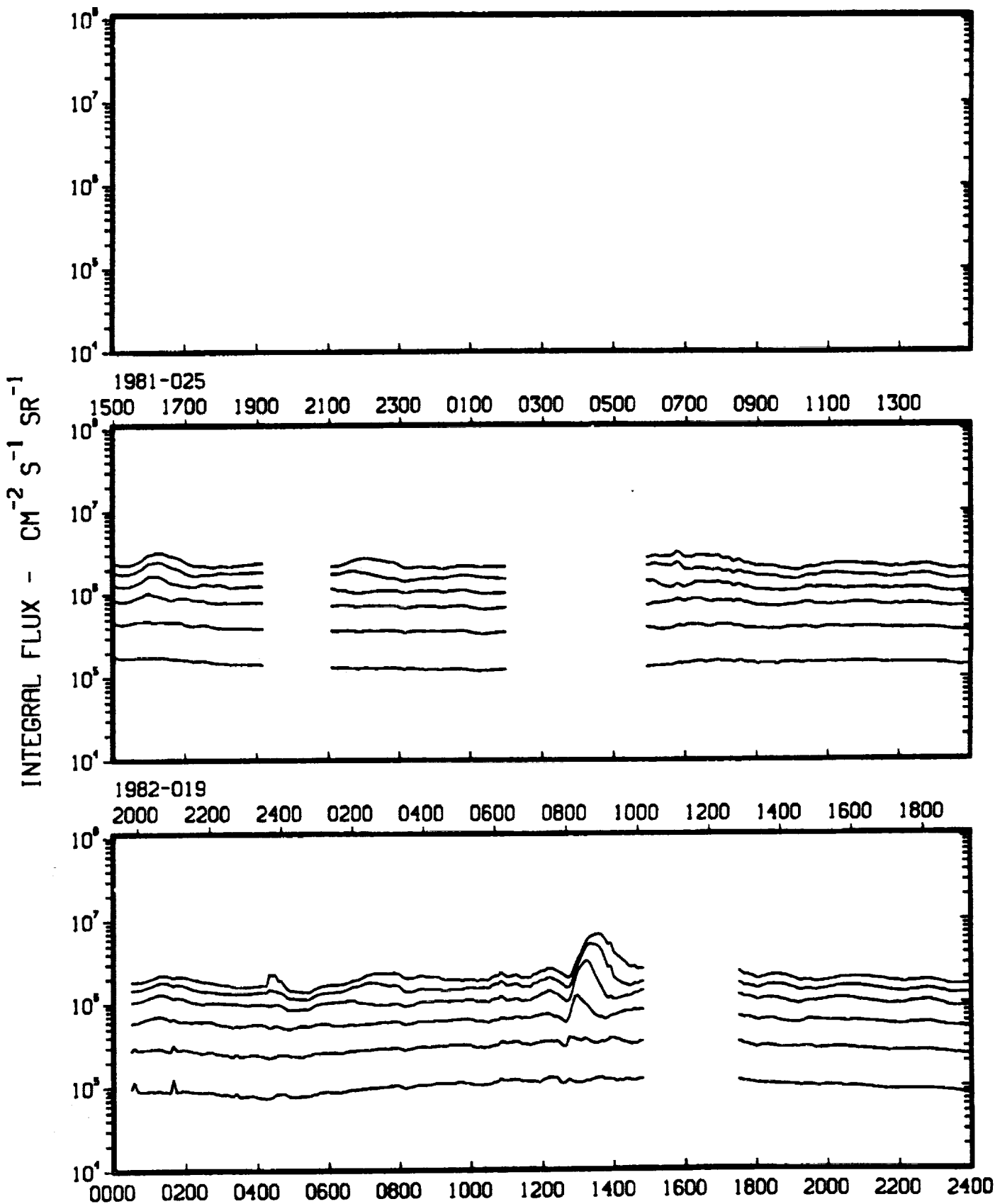


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

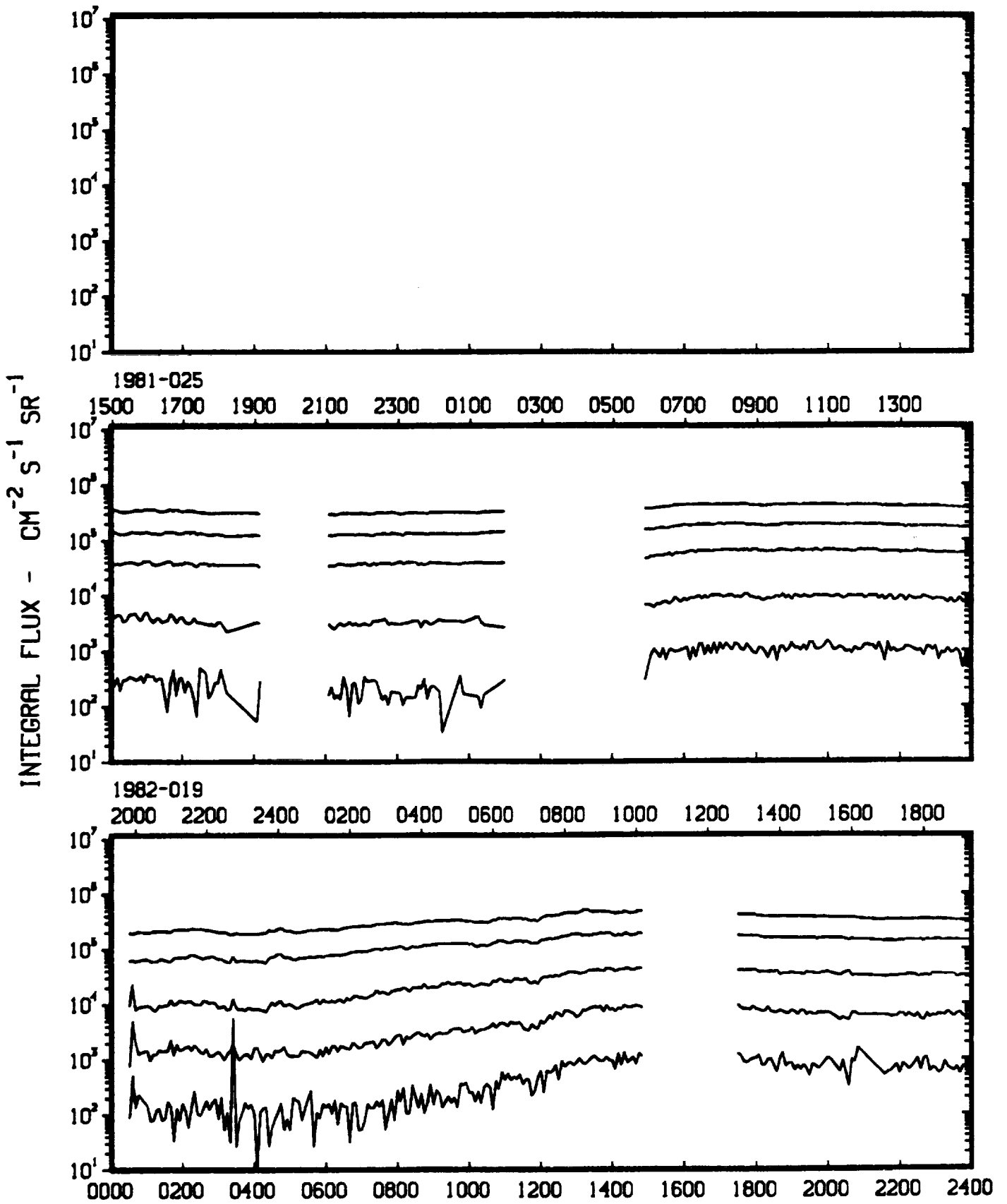
83/05/29



# LOW ENERGY IONS

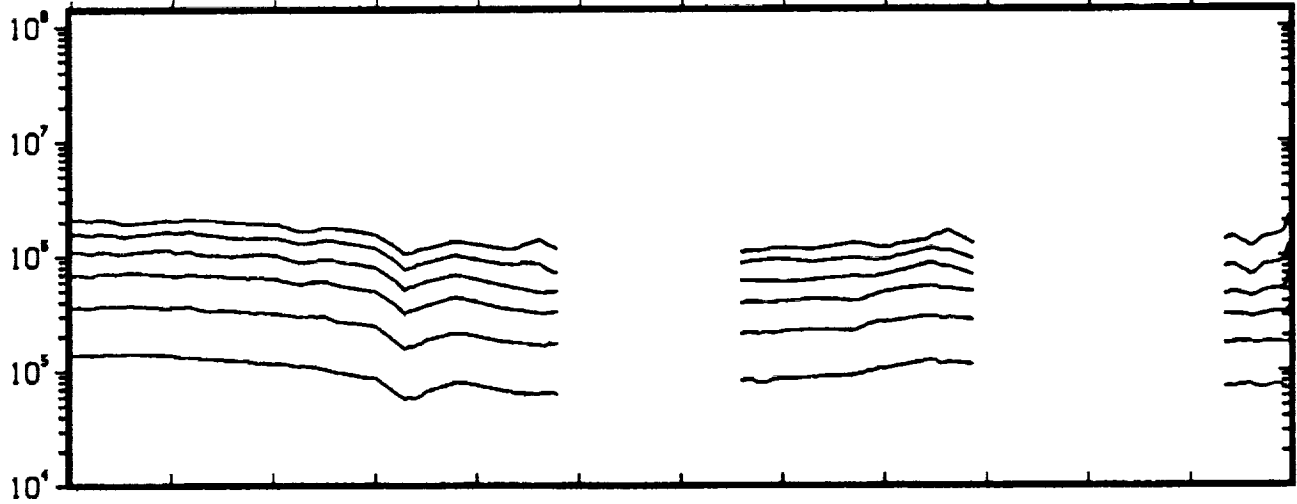
1977-007

83/05/29

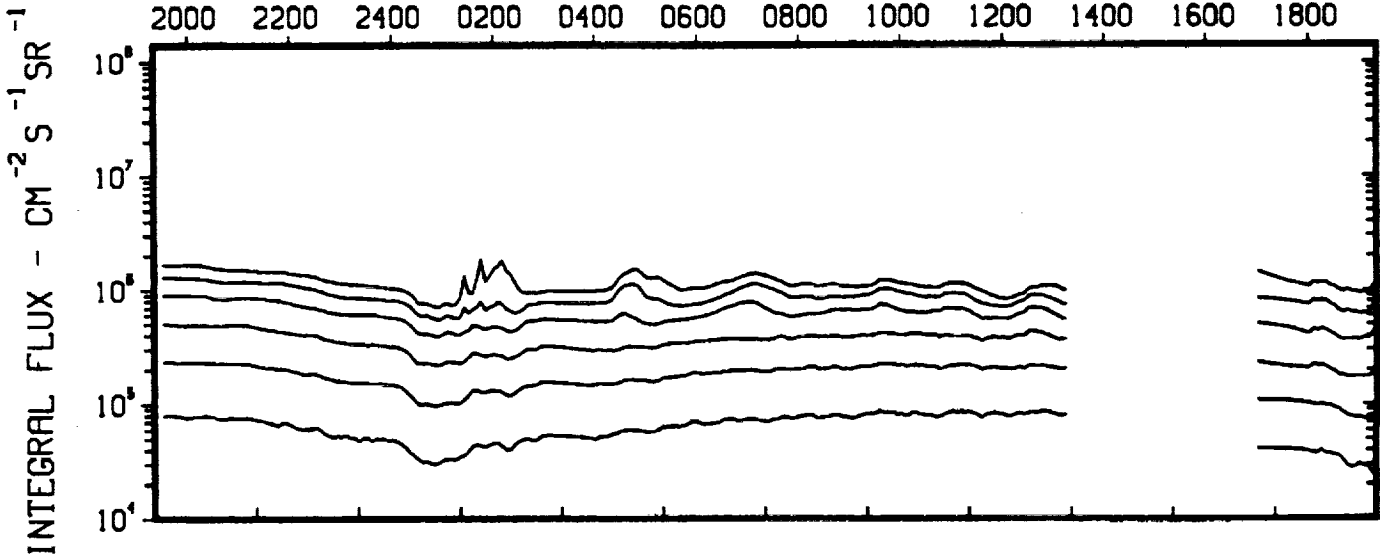


LOW ENERGY ELECTRONS

1981-025 83/05/30  
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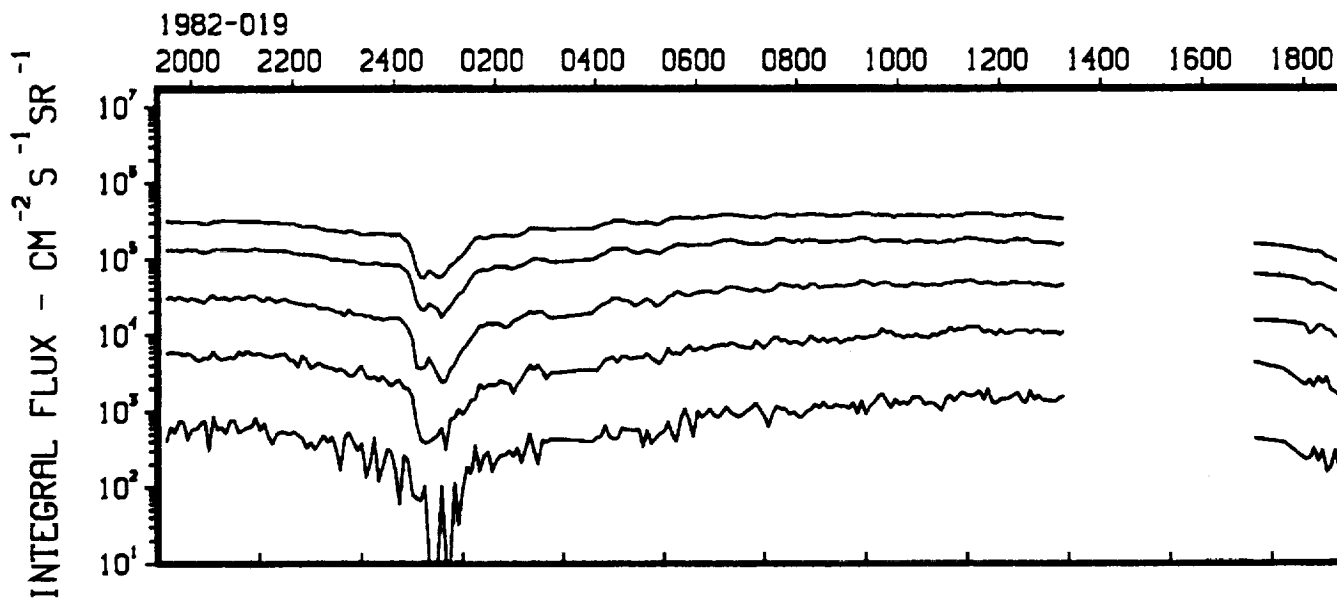
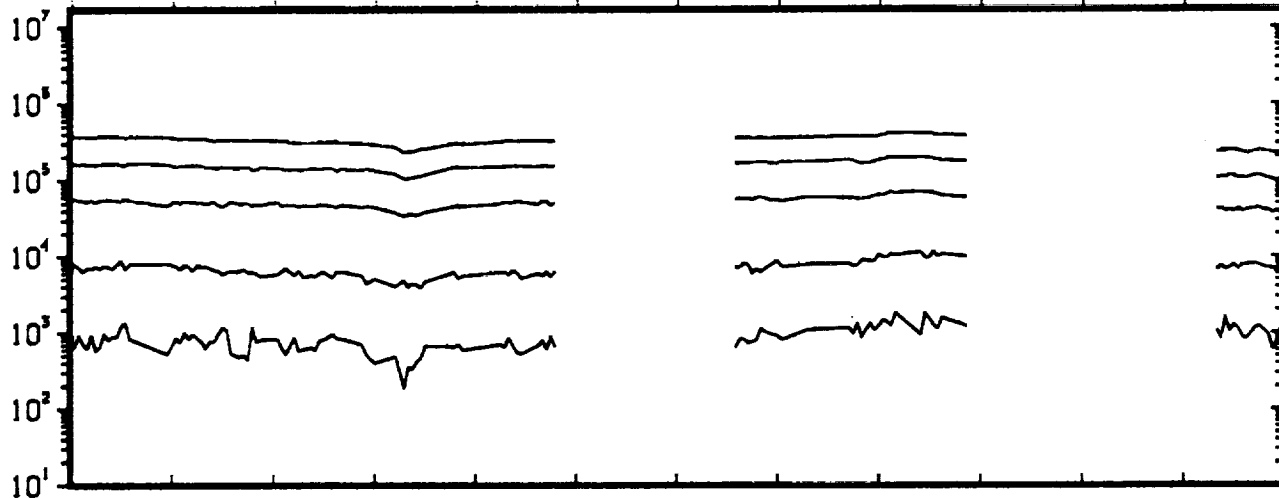
1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



(UT)

# LOW ENERGY IONS

1981-025 83/05/30  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

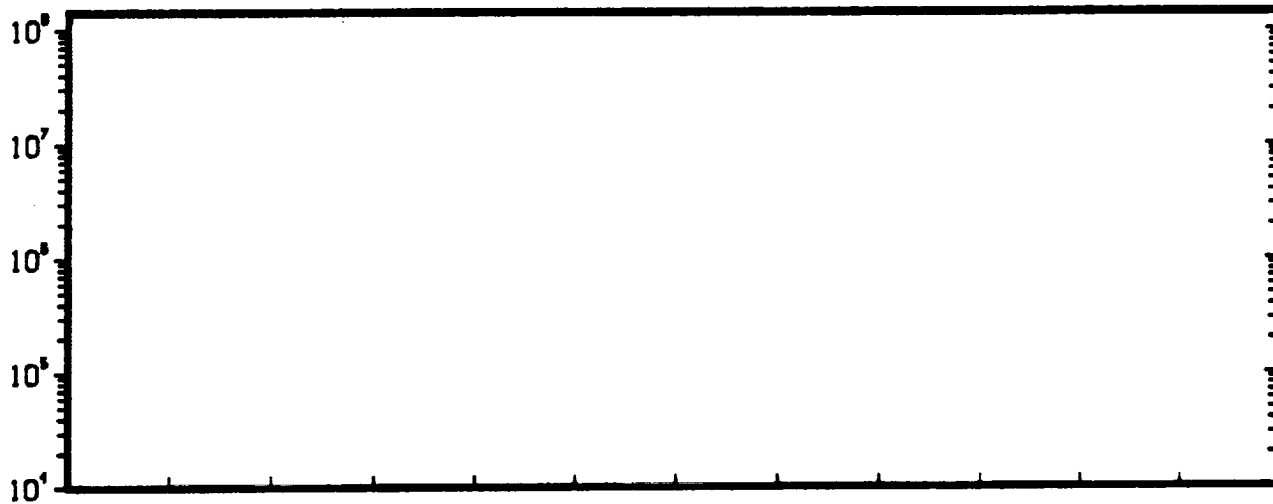


(UT)

# LOW ENERGY ELECTRONS

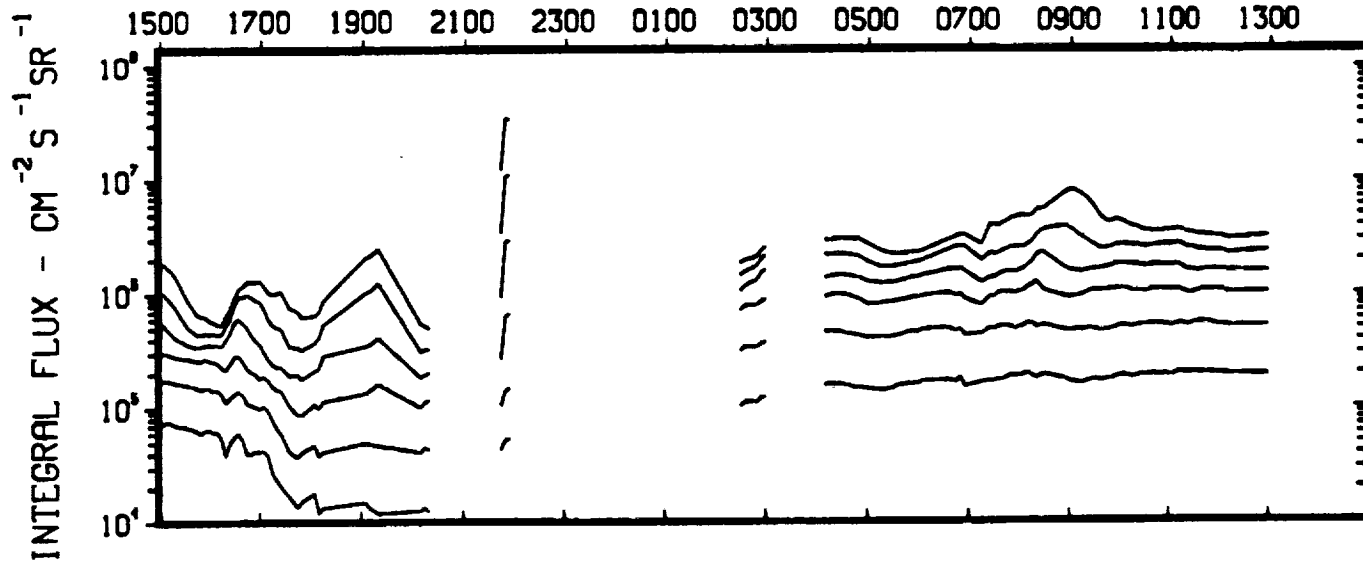
1977-007

83/05/31



1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

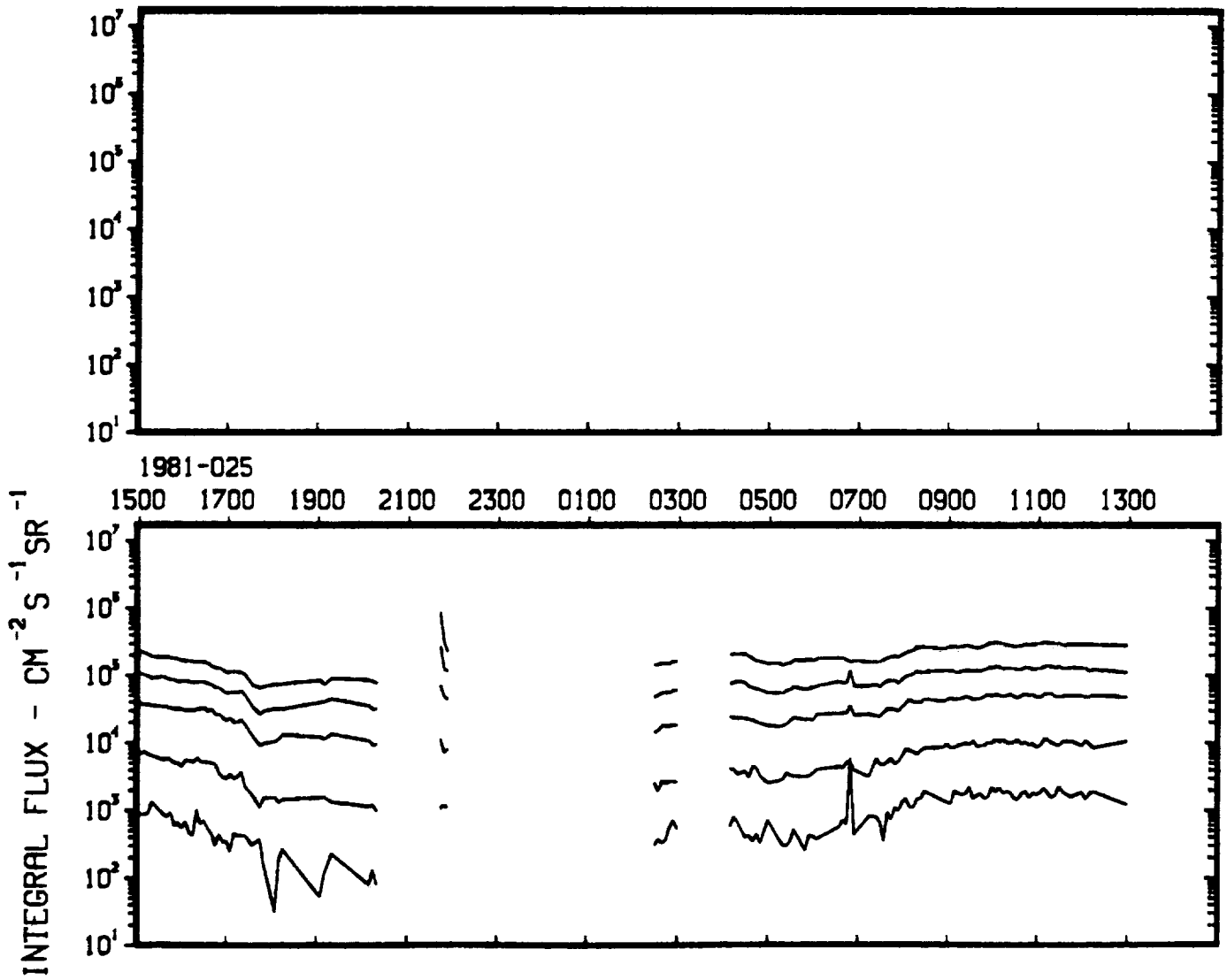


(UT)

# LOW ENERGY IONS

1977-007

83/05/31



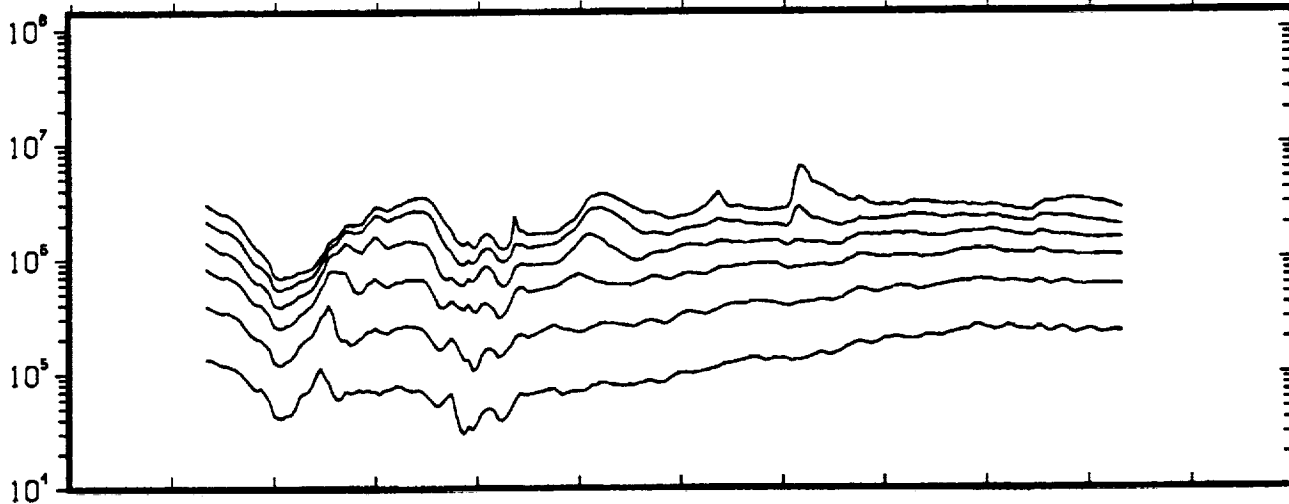
(UT)

# LOW ENERGY ELECTRONS

1981-025

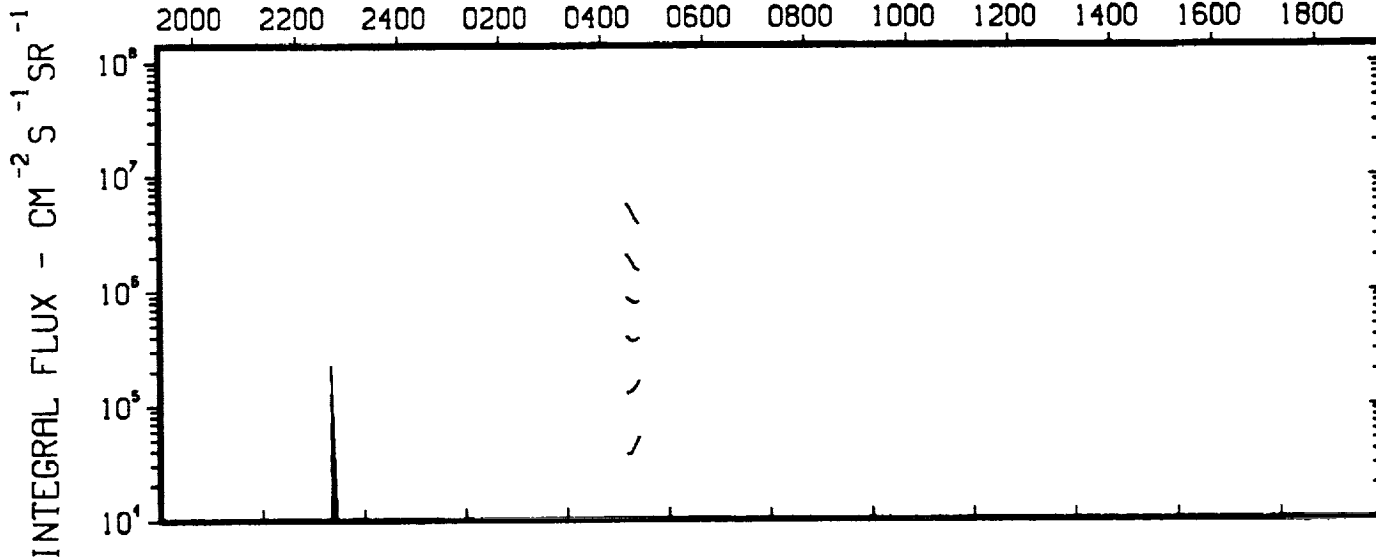
83/06/01

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

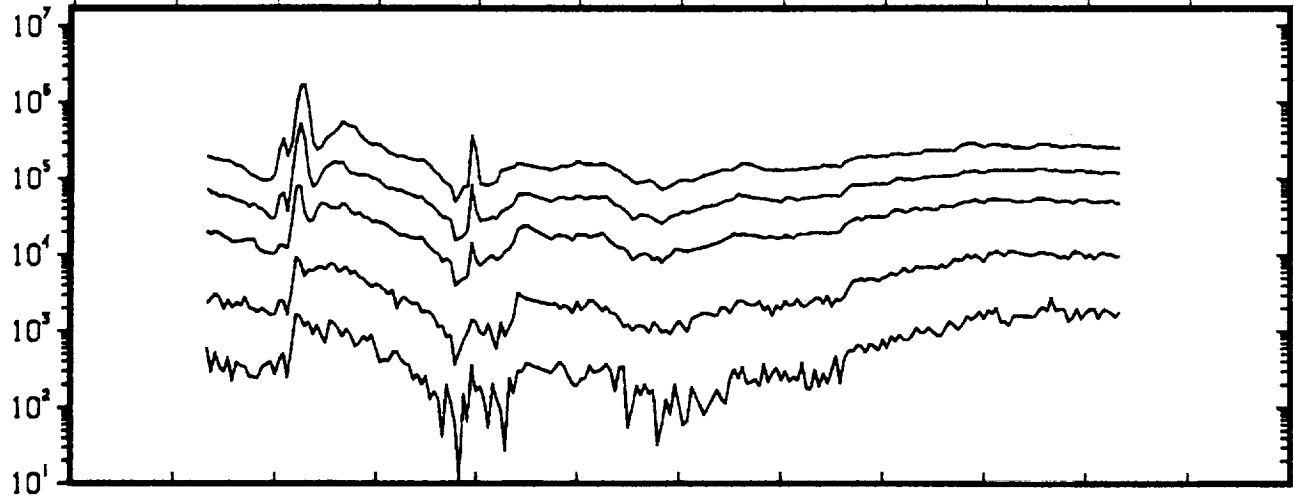


(UT)



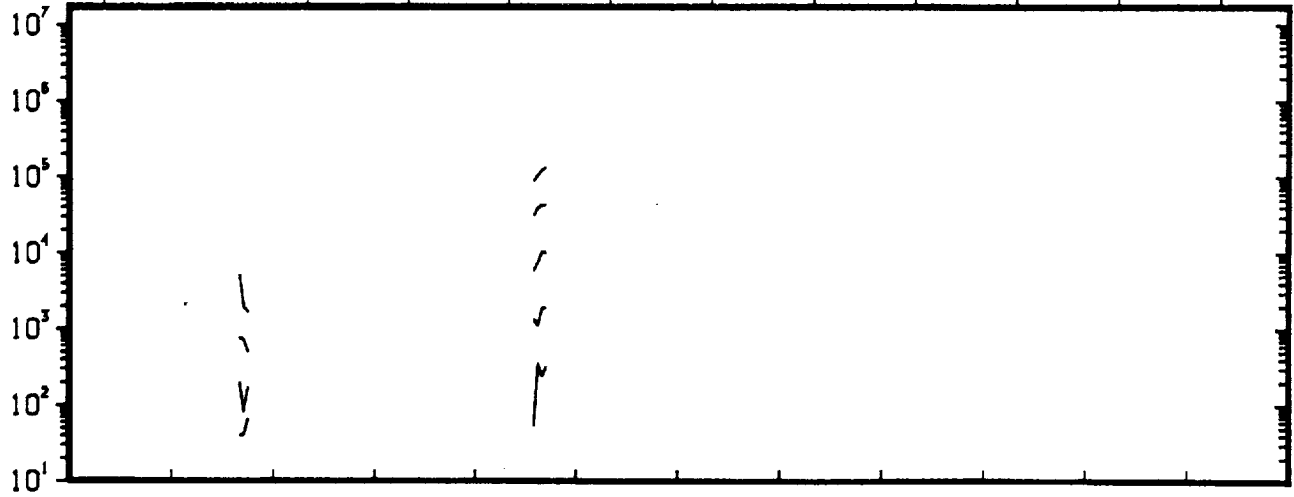
# LOW ENERGY IONS

1981-025 83/06/01  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



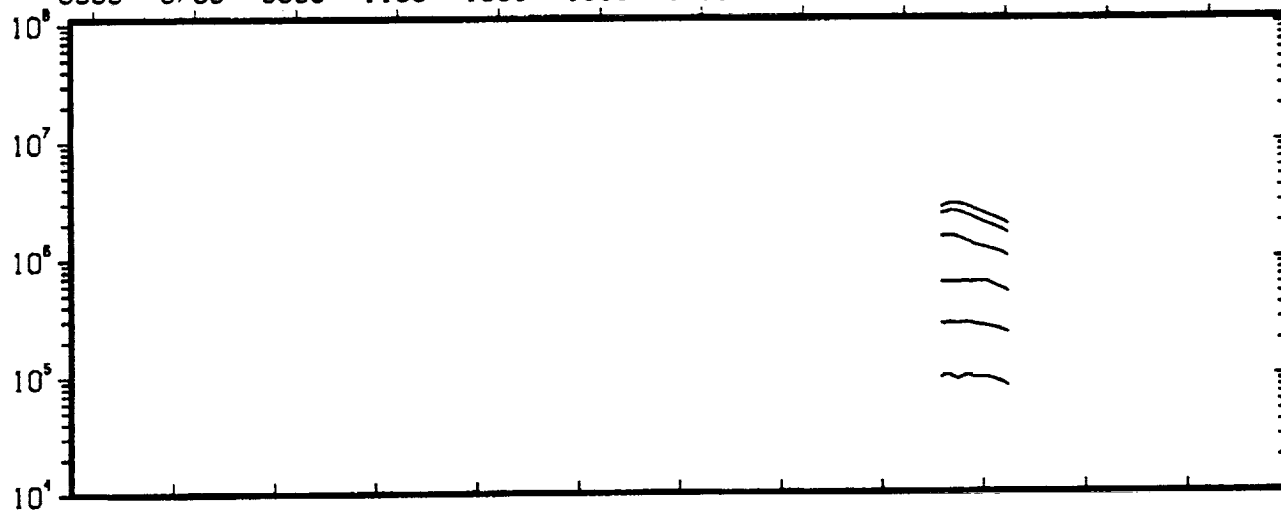
(UT)

# LOW ENERGY ELECTRONS

1977-007

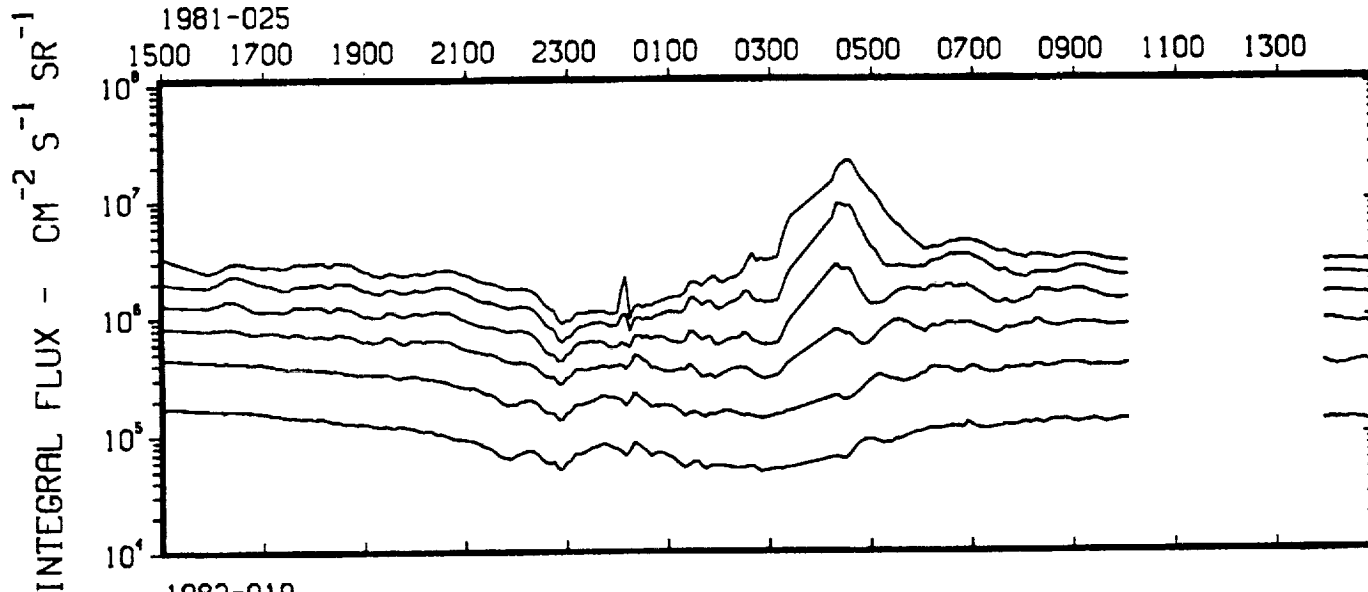
83/06/02

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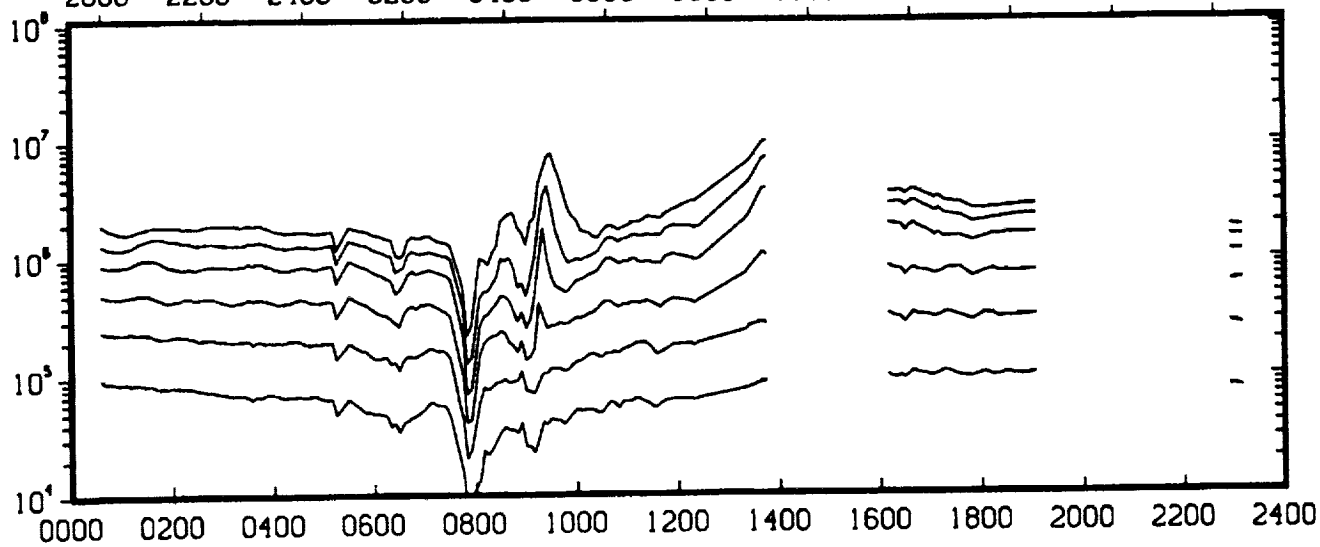
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

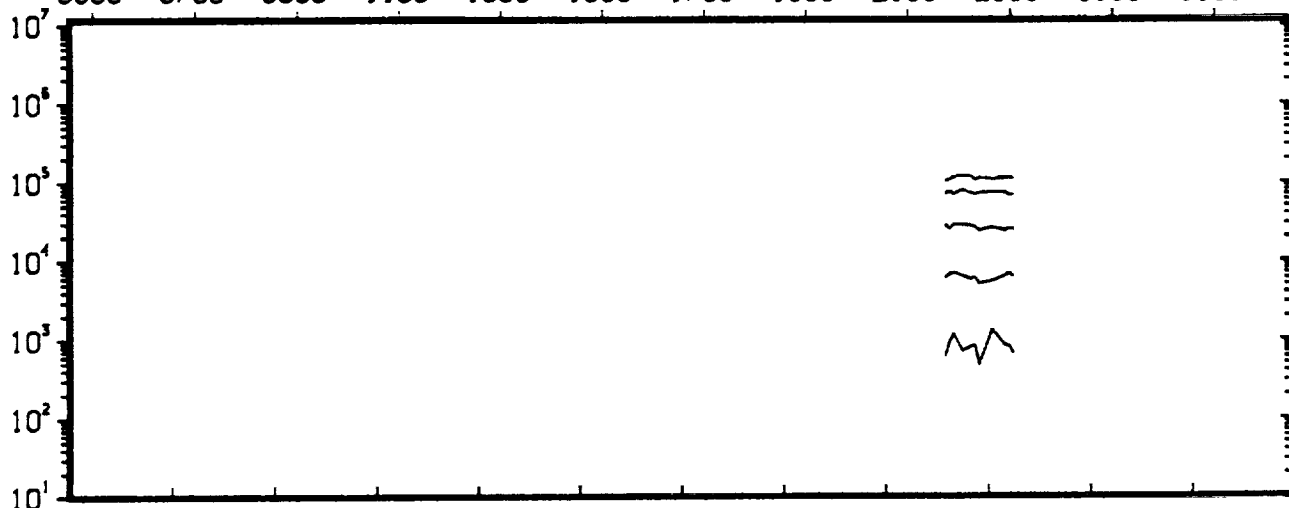


# LOW ENERGY IONS

1977-007

83/06/02

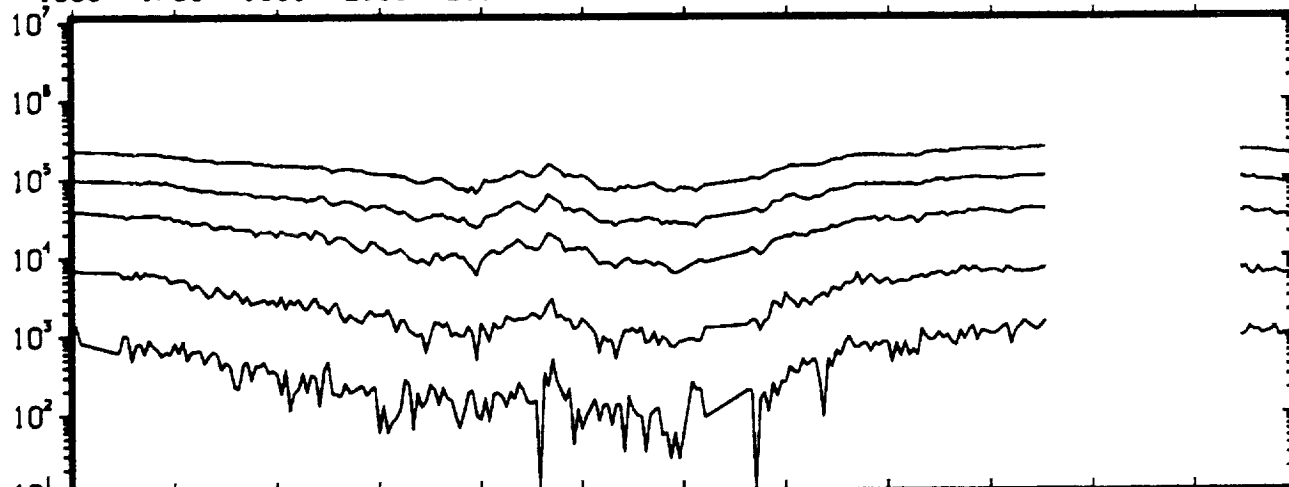
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

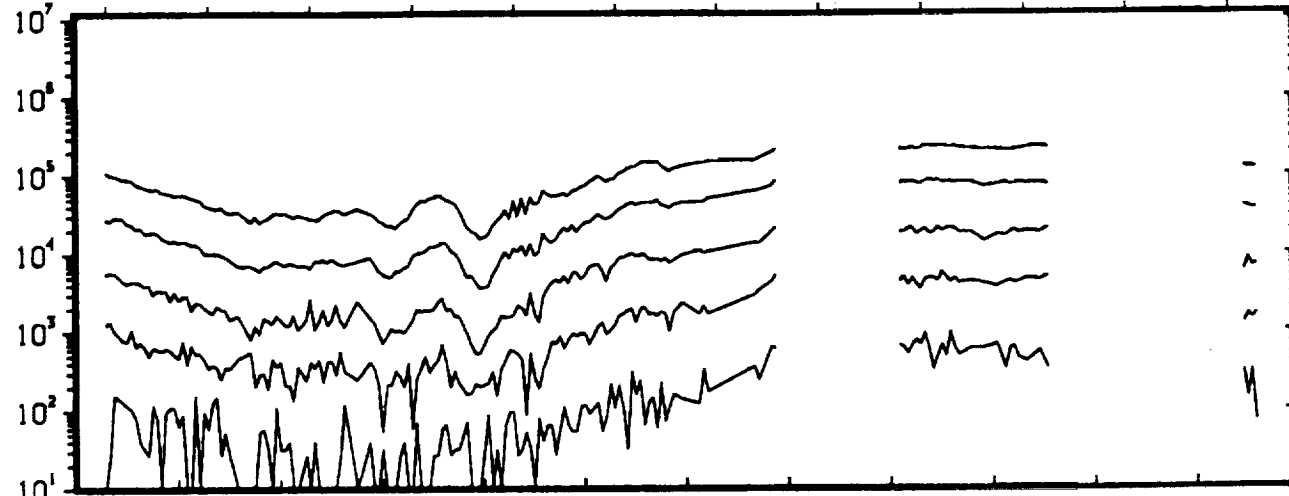
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



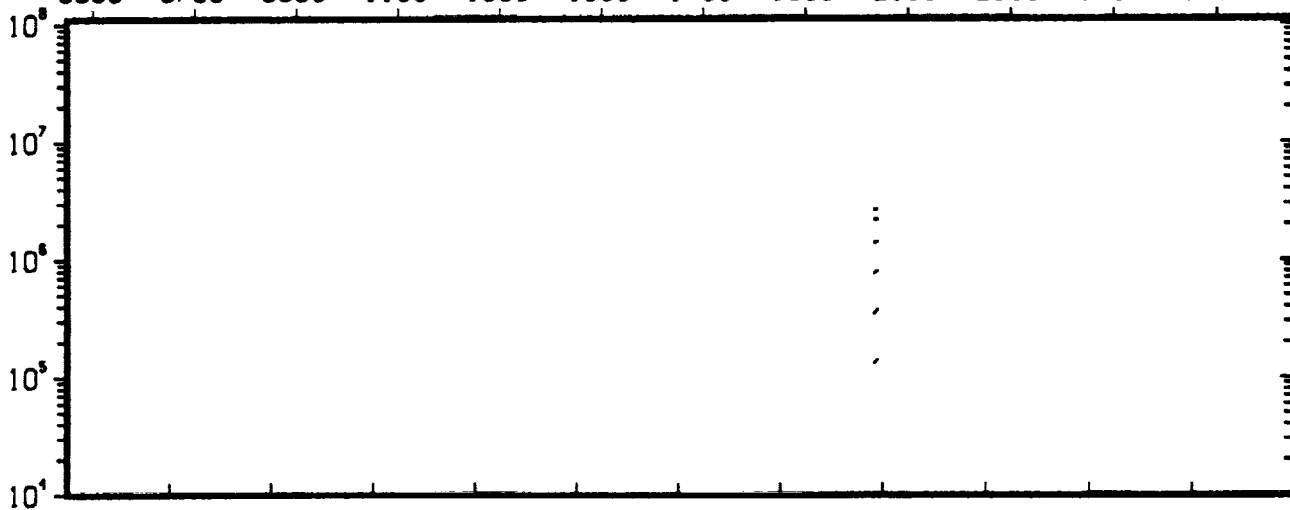
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

83/06/03

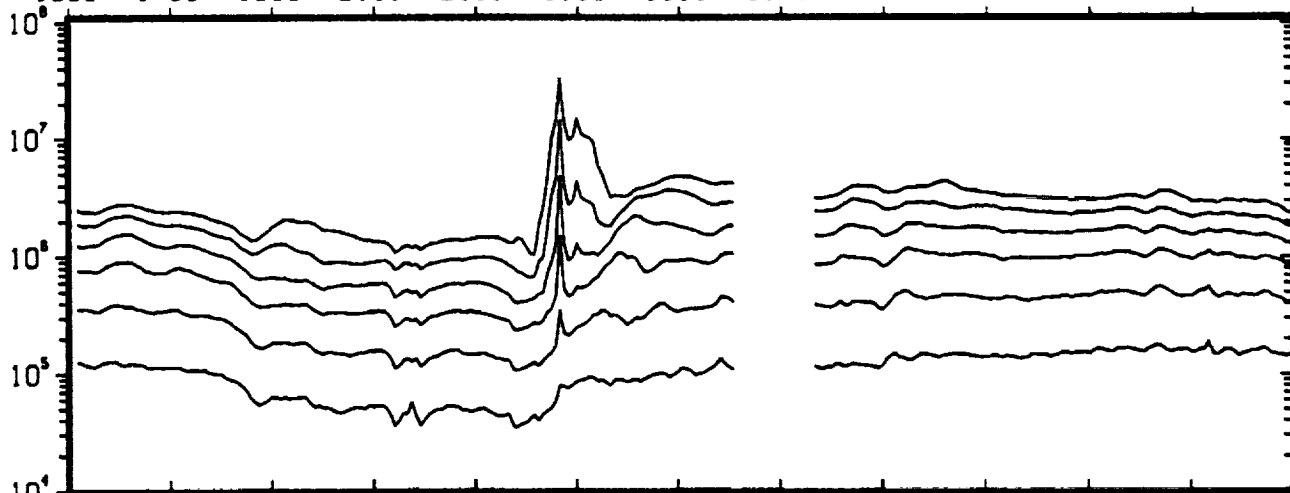
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

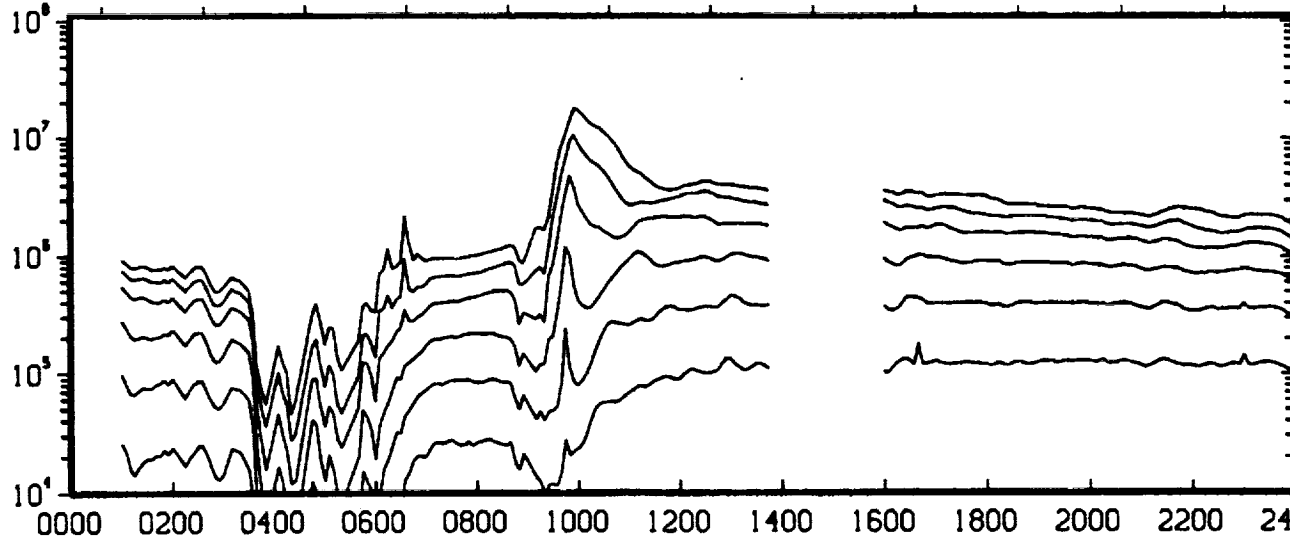
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



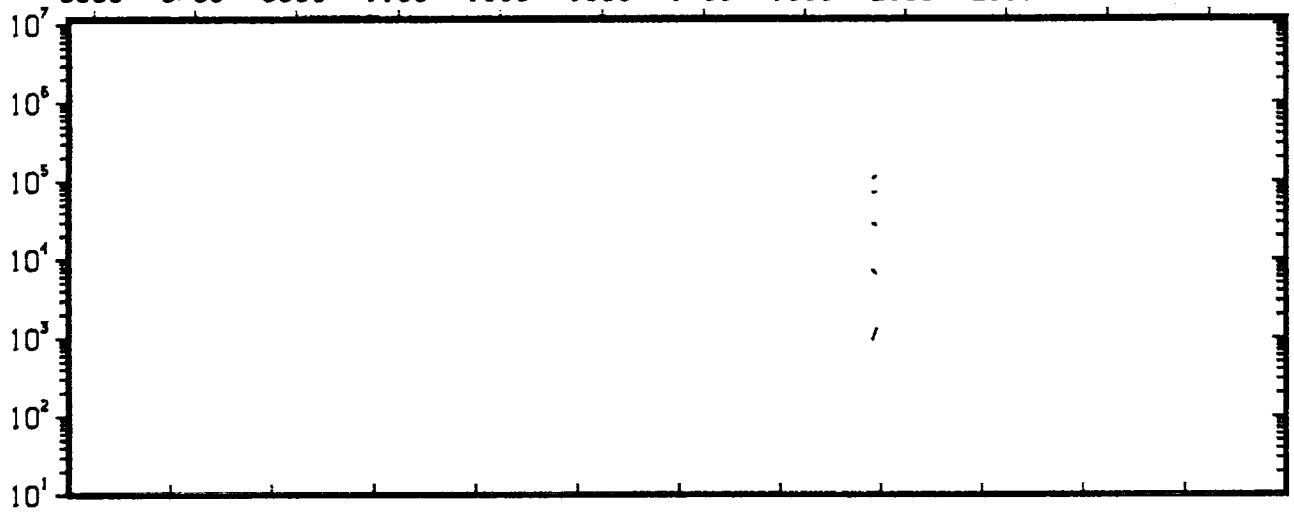
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



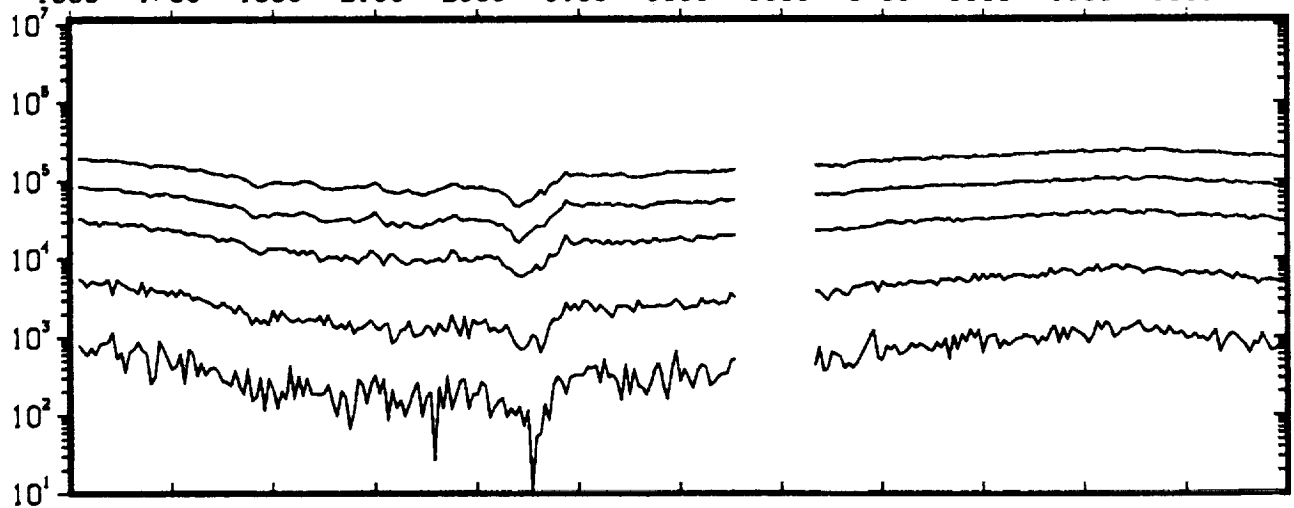
# LOW ENERGY IONS

1977-007 83/06/03  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

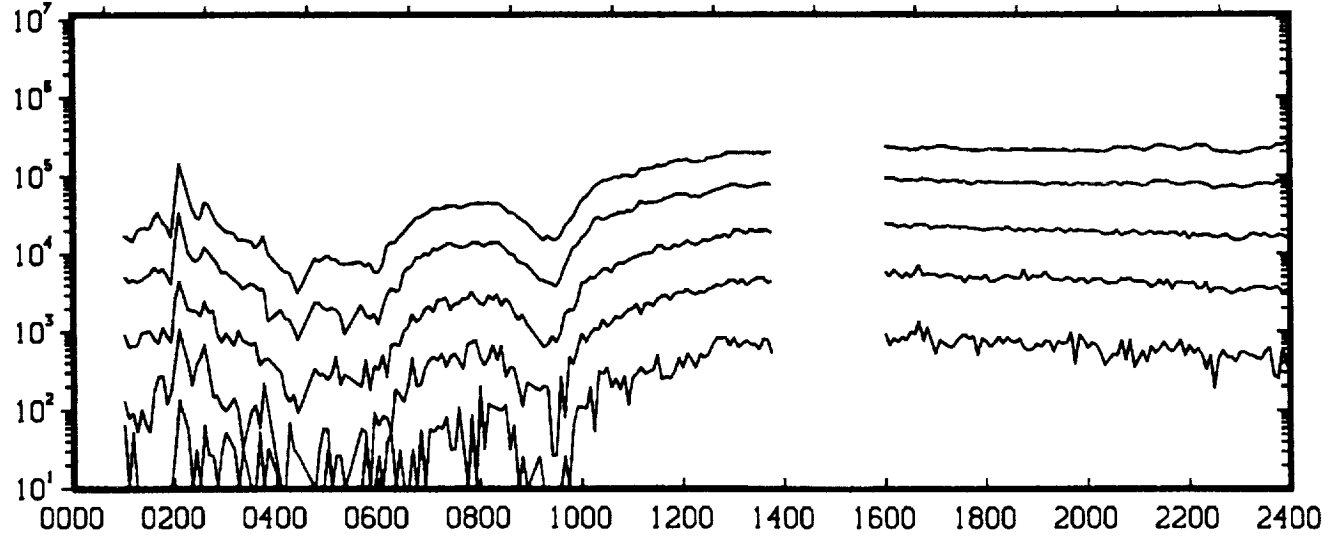


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

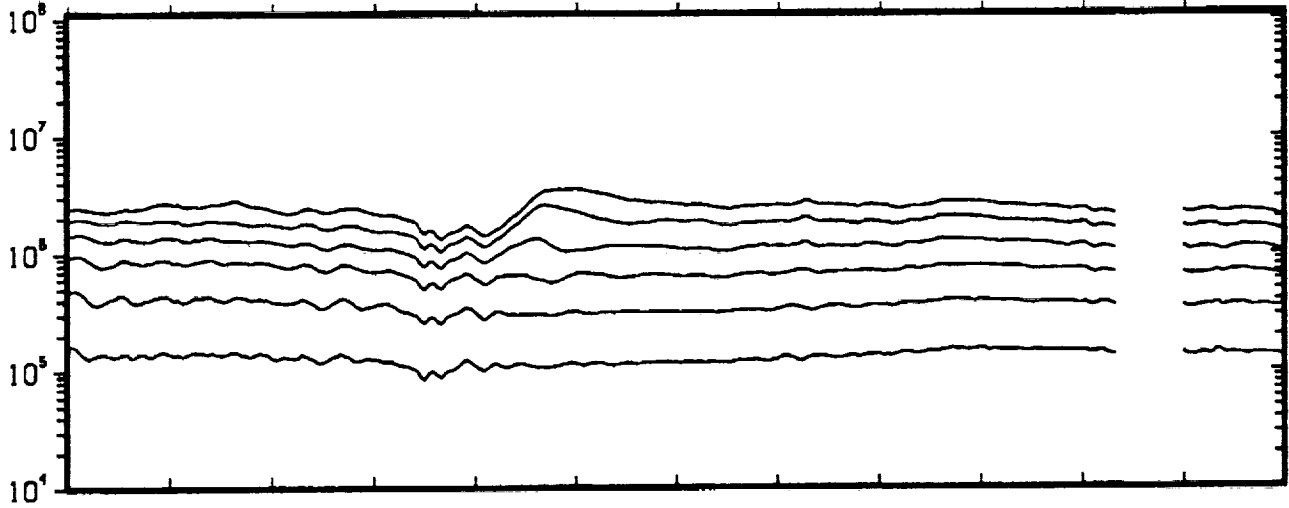


# LOW ENERGY ELECTRONS

1981-025

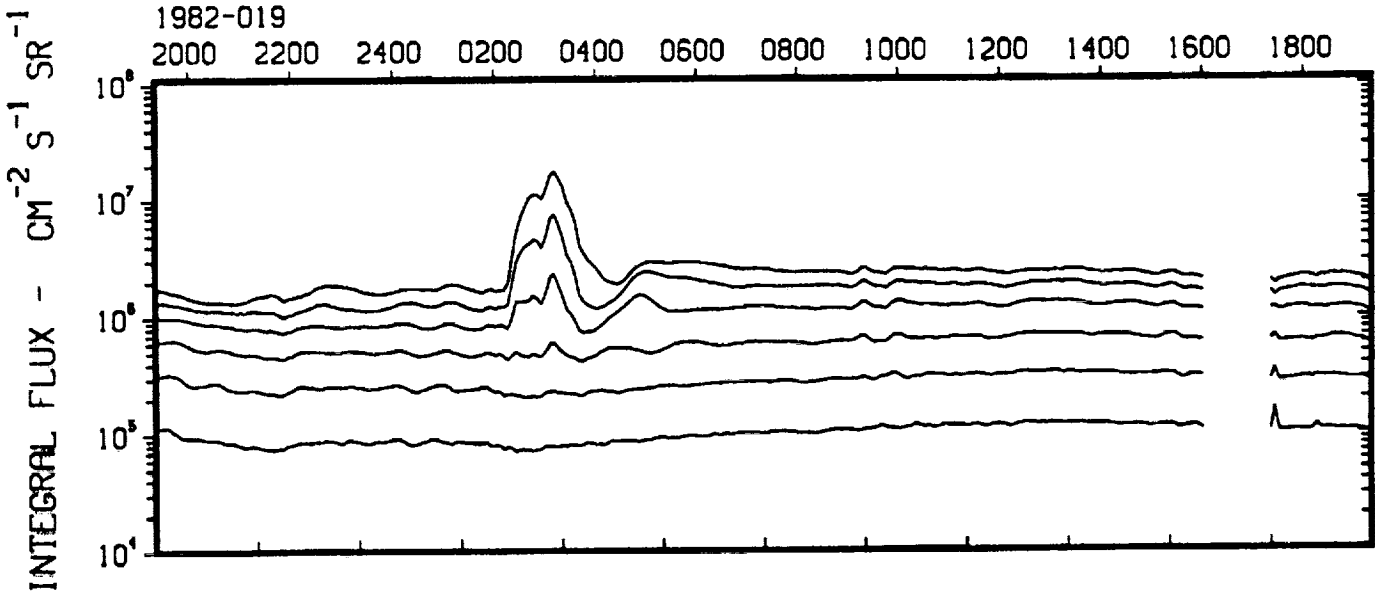
83/06/04

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



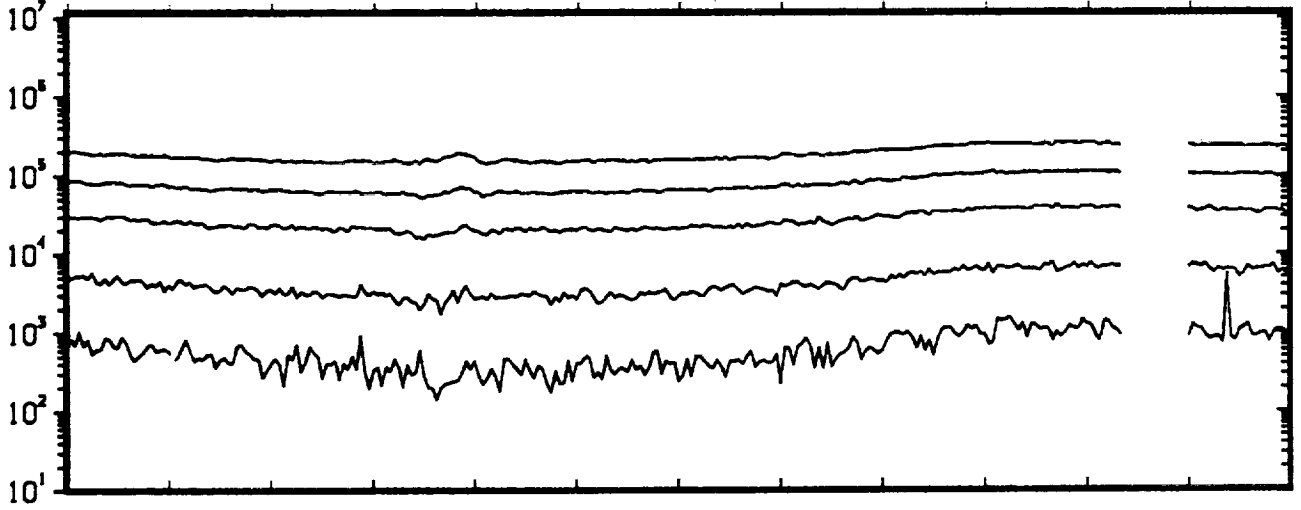
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1981-025

83/06/04

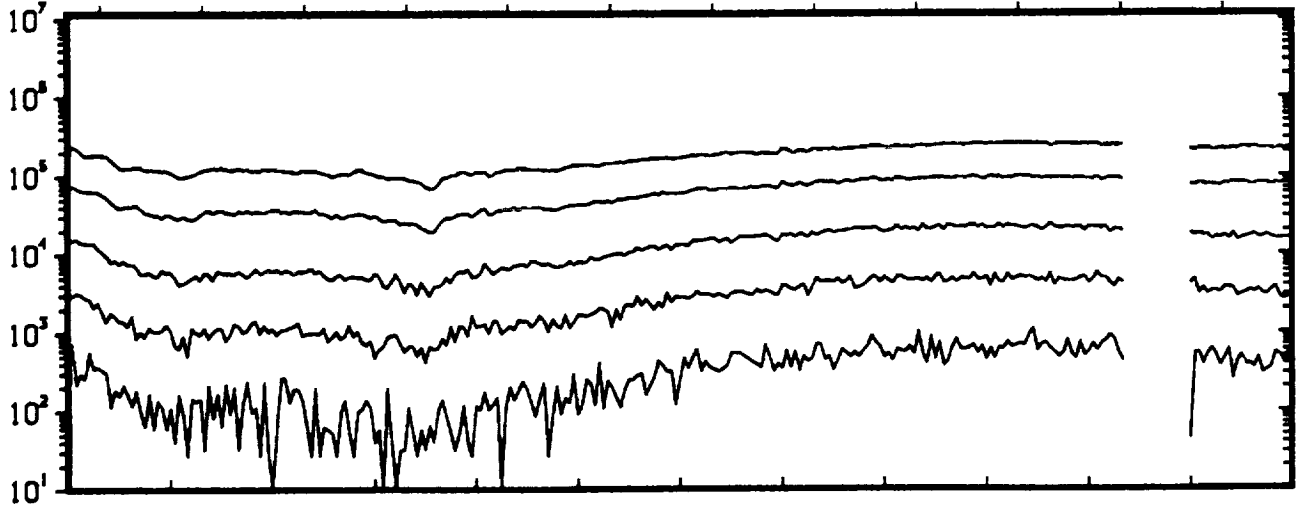
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

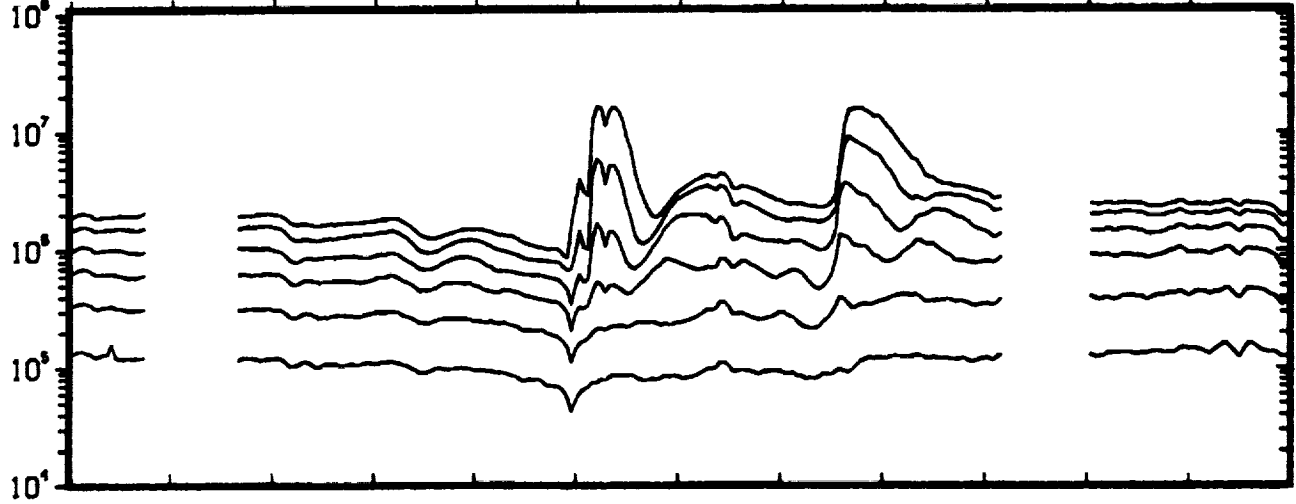


# LOW ENERGY ELECTRONS

1981-025

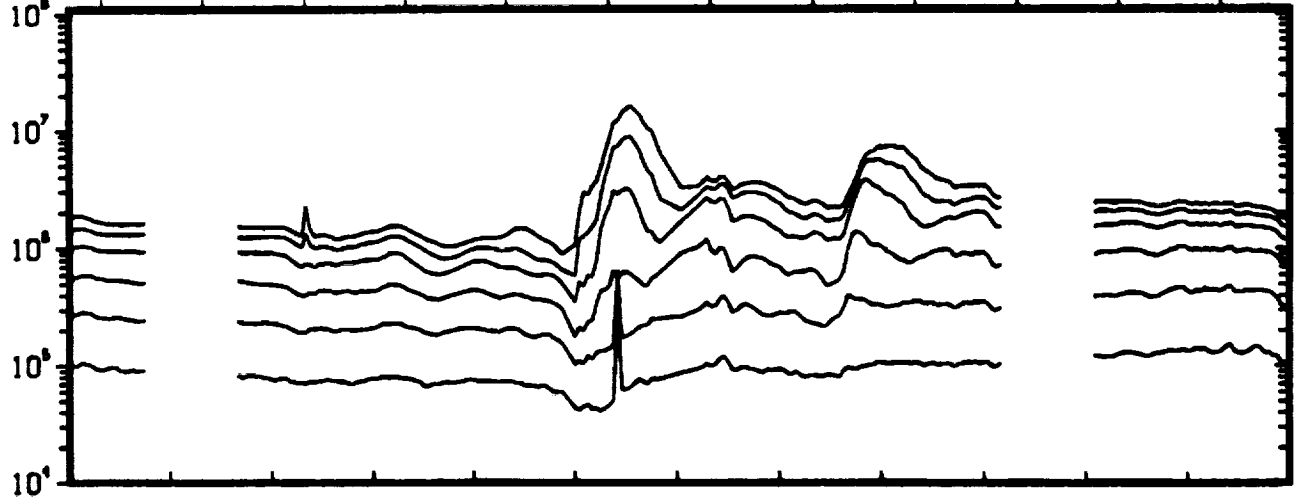
83/06/05

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

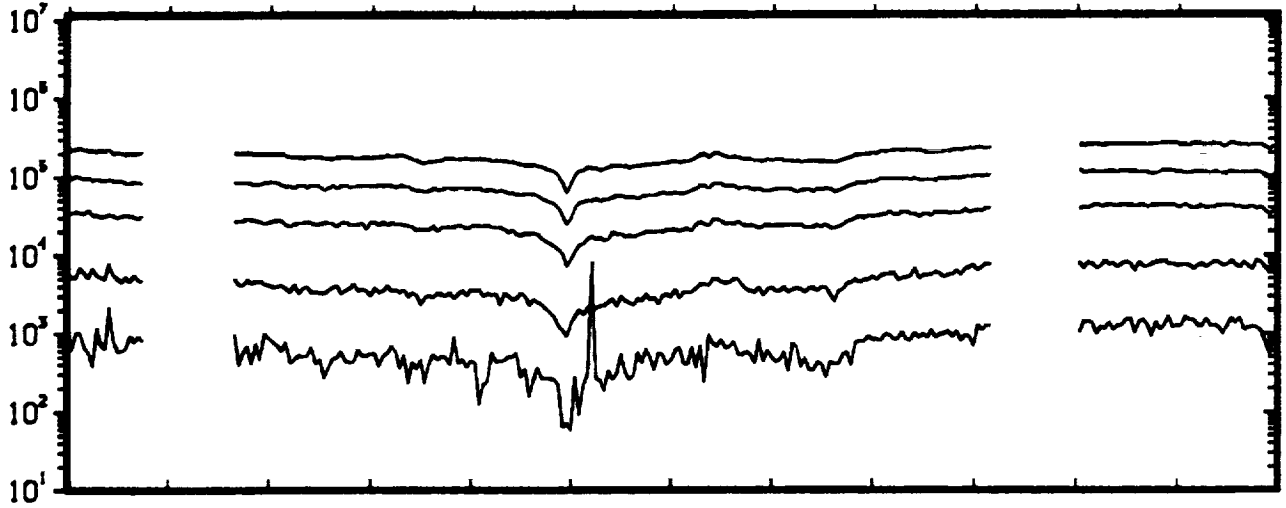


# LOW ENERGY IONS

1981-025

83/06/05

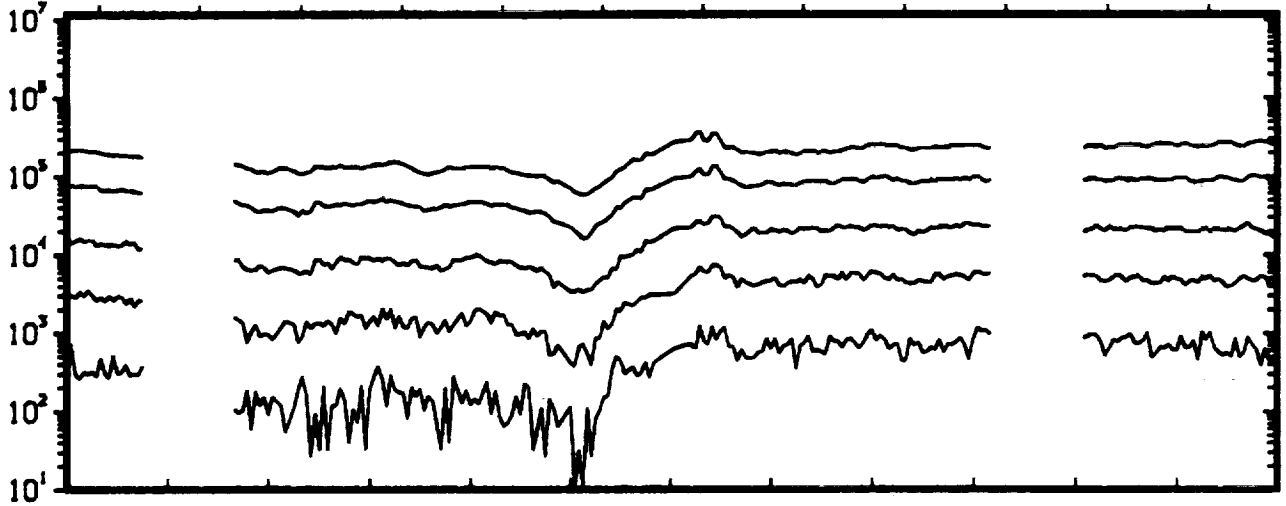
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

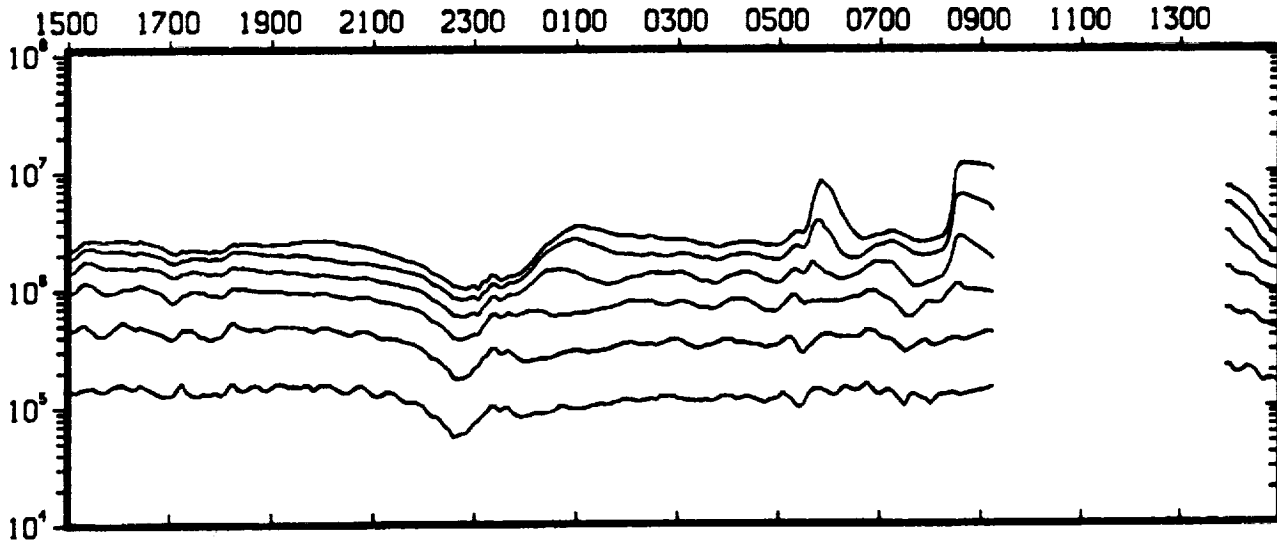
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



# LOW ENERGY ELECTRONS

1981-025

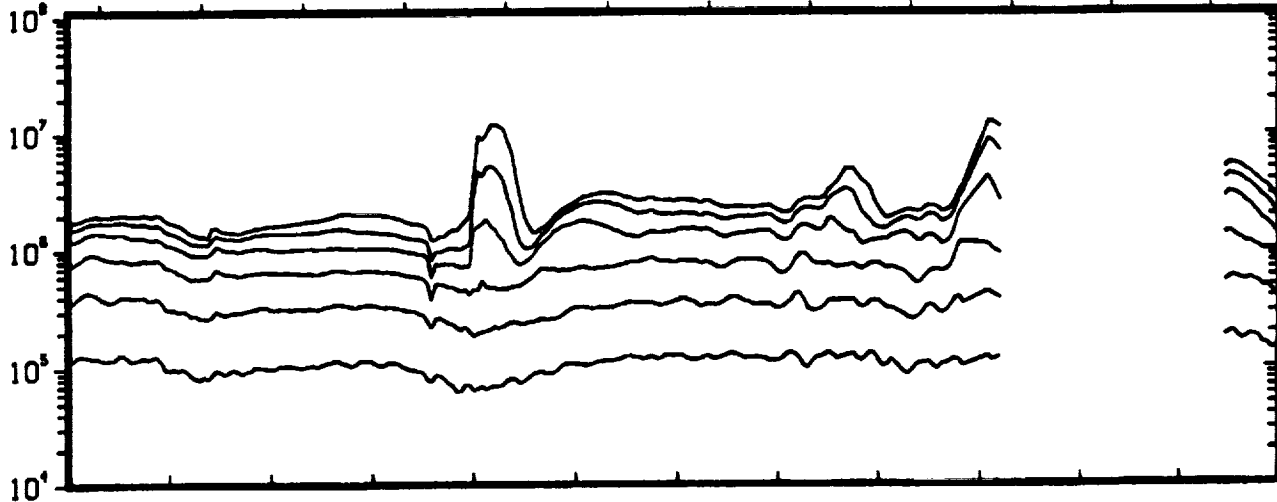
83/06/06



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

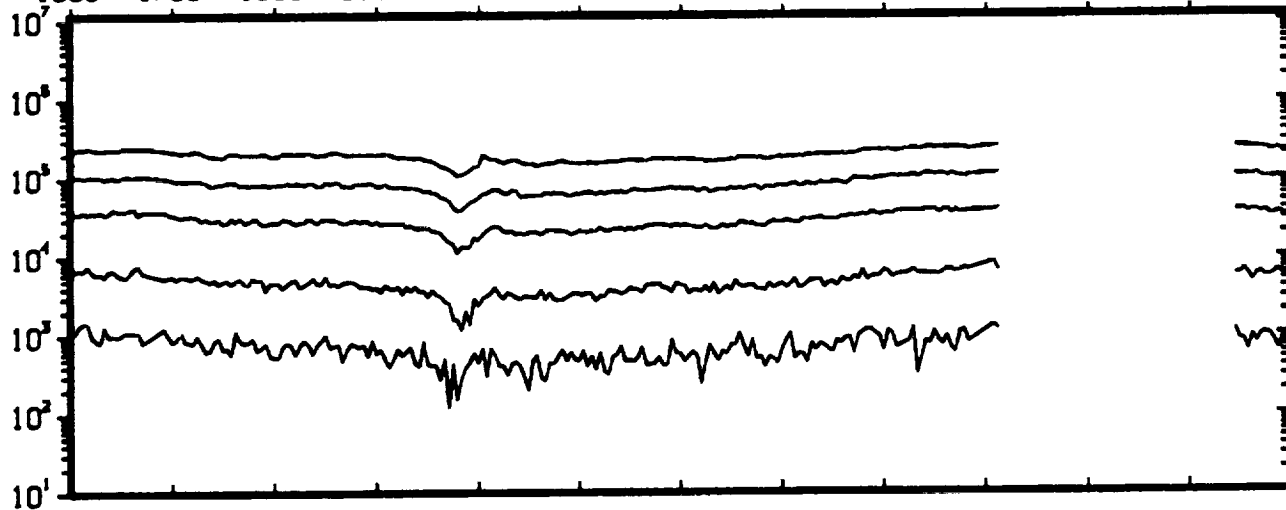


# LOW ENERGY IONS

1981-025

83/06/06

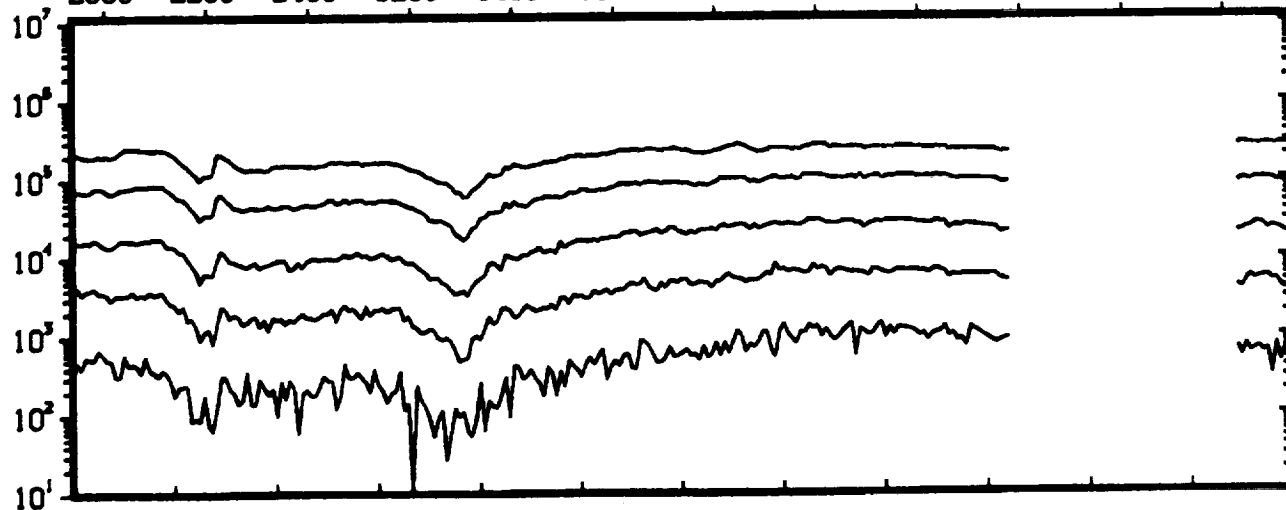
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

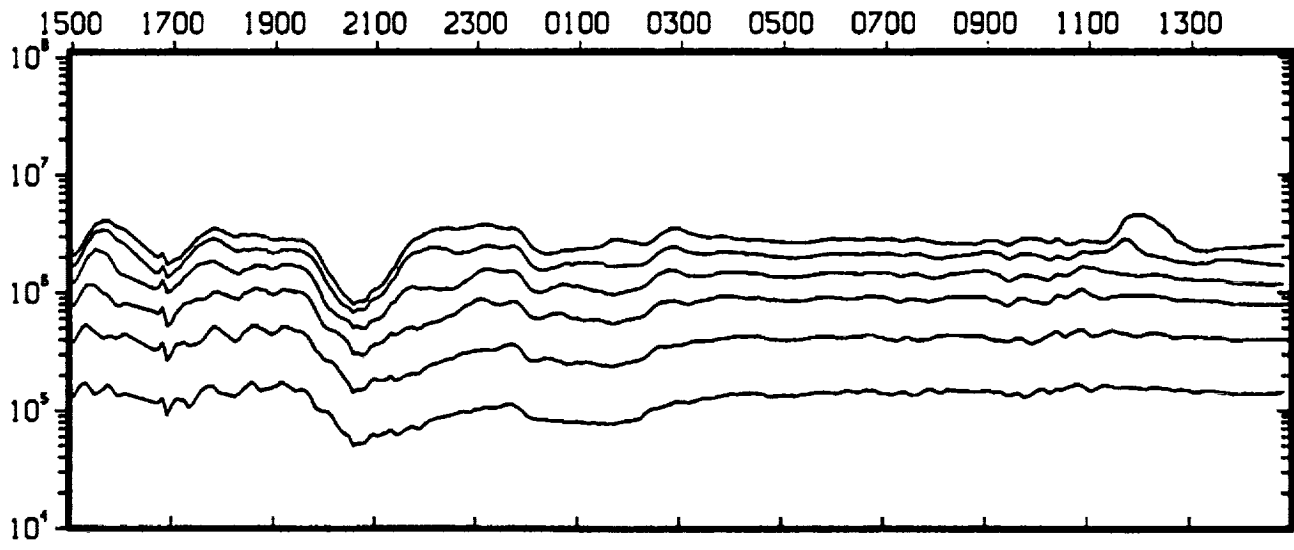
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



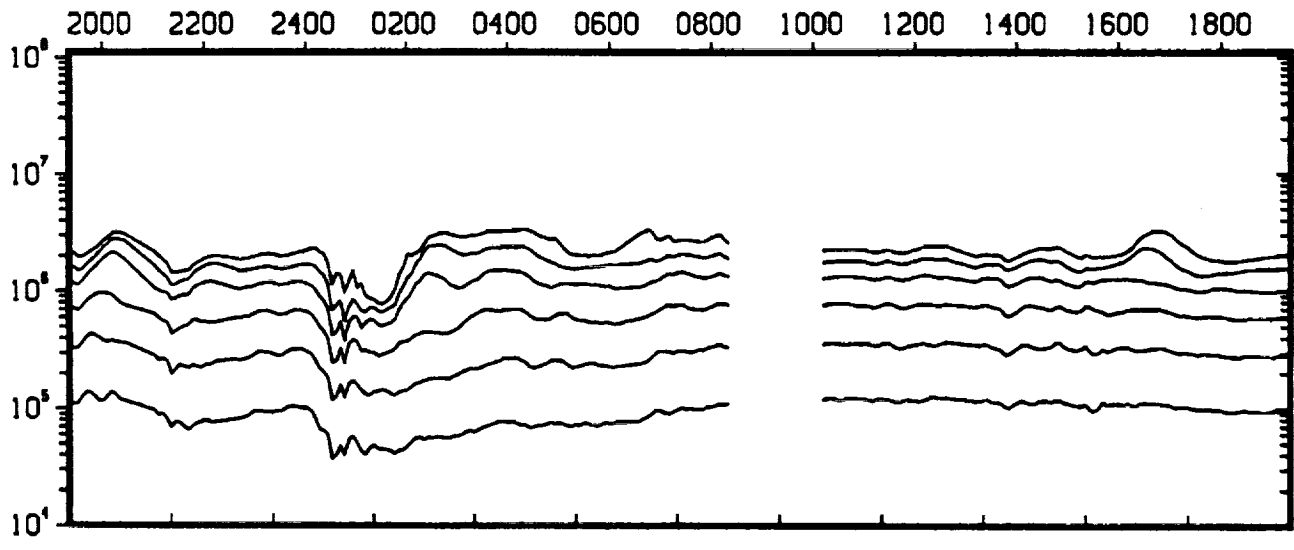
# LOW ENERGY ELECTRONS

1981-025

83/06/07



1982-019



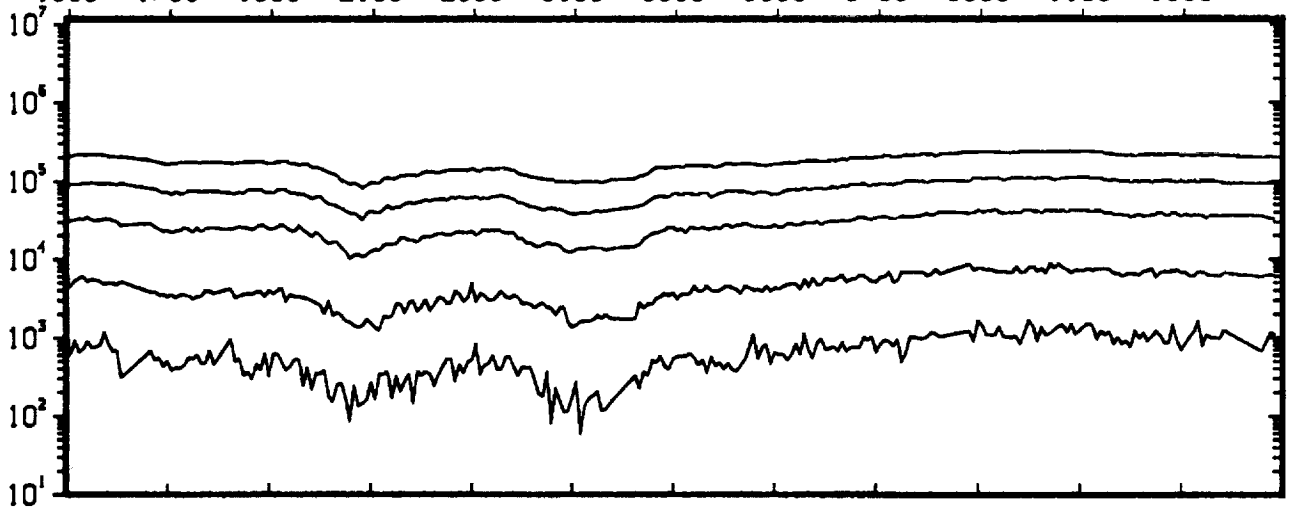
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1981-025

83/06/07

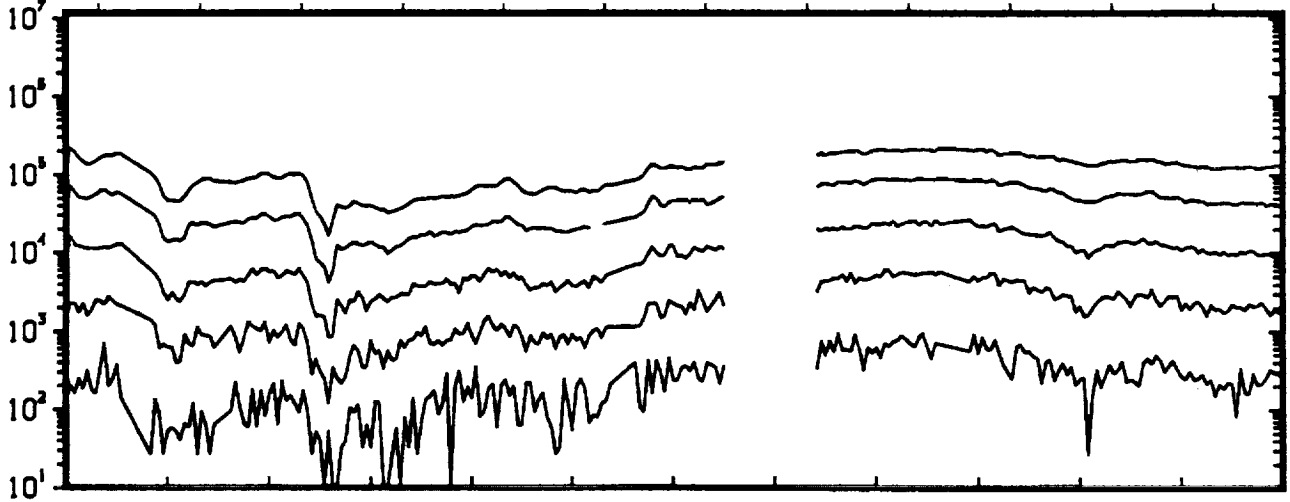
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

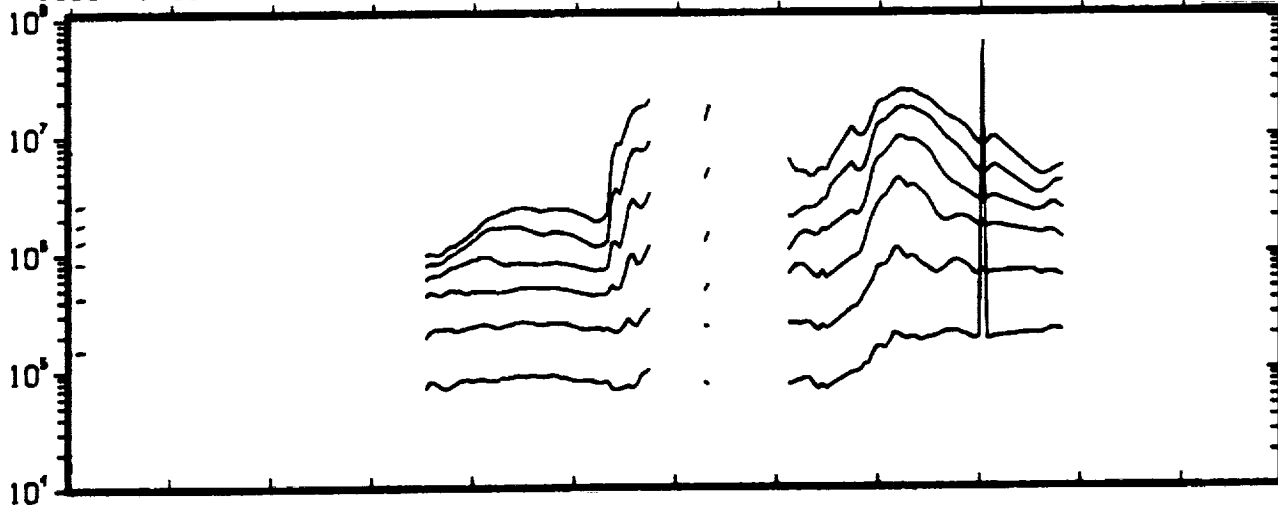


# LOW ENERGY ELECTRONS

1981-025

83/06/08

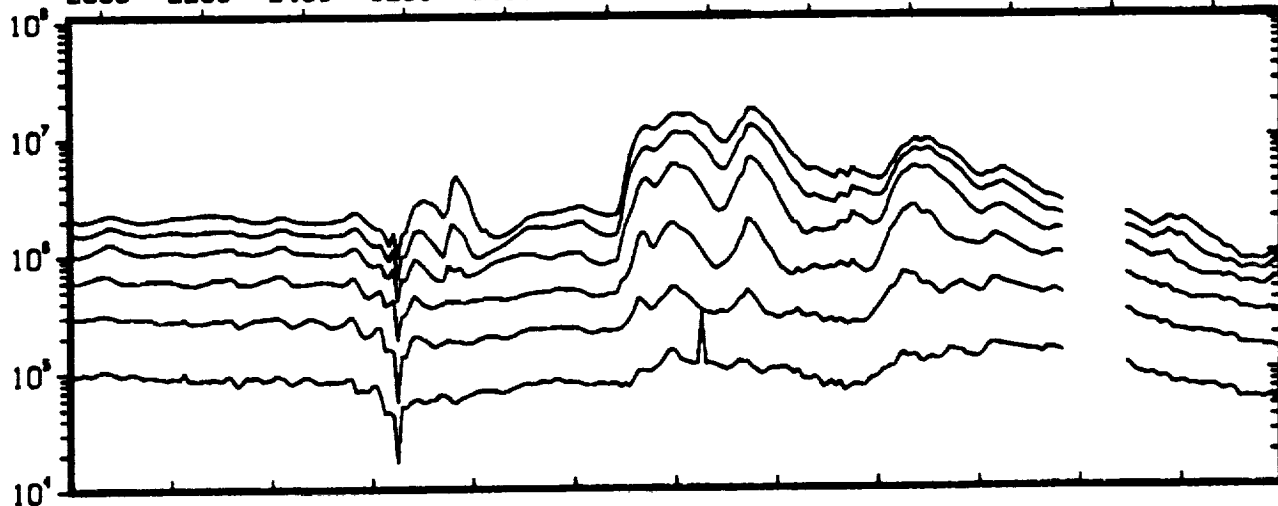
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

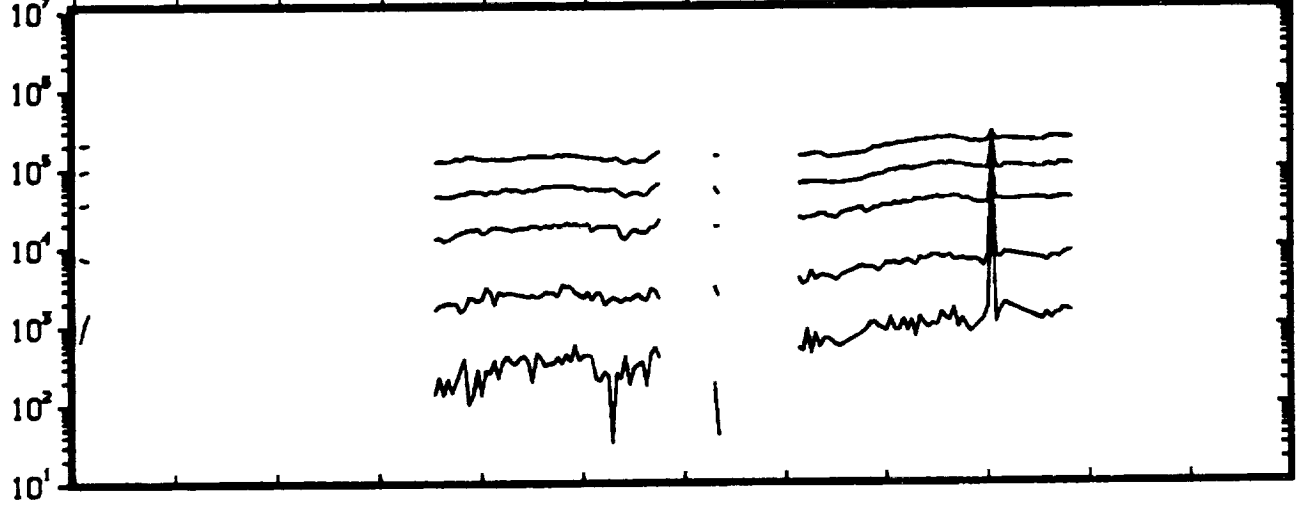


# LOW ENERGY IONS

1981-025

83/06/08

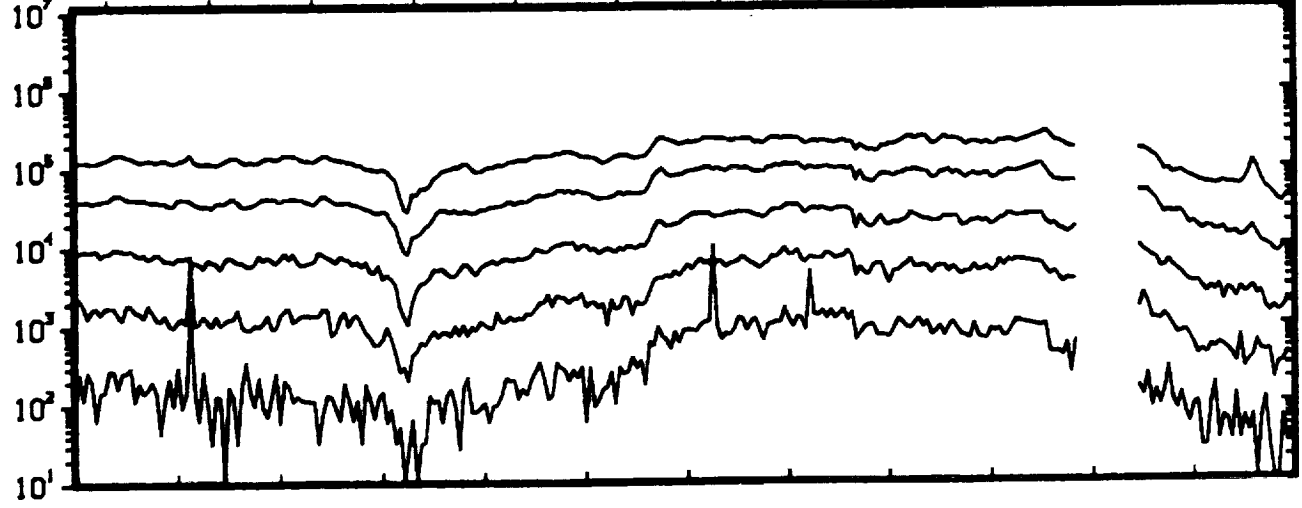
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

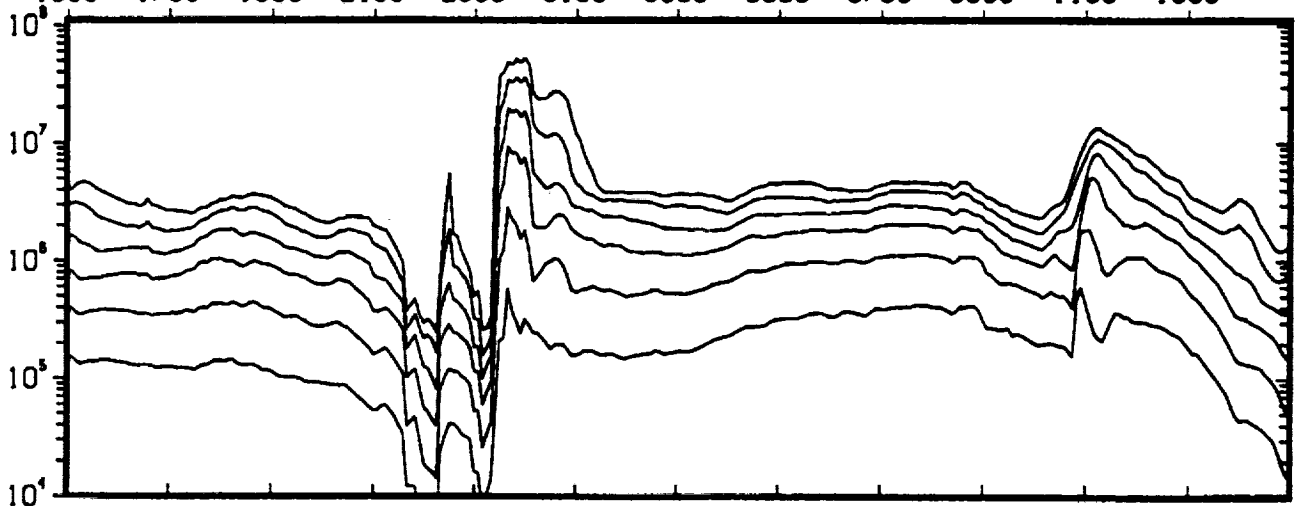


# LOW ENERGY ELECTRONS

1981-025

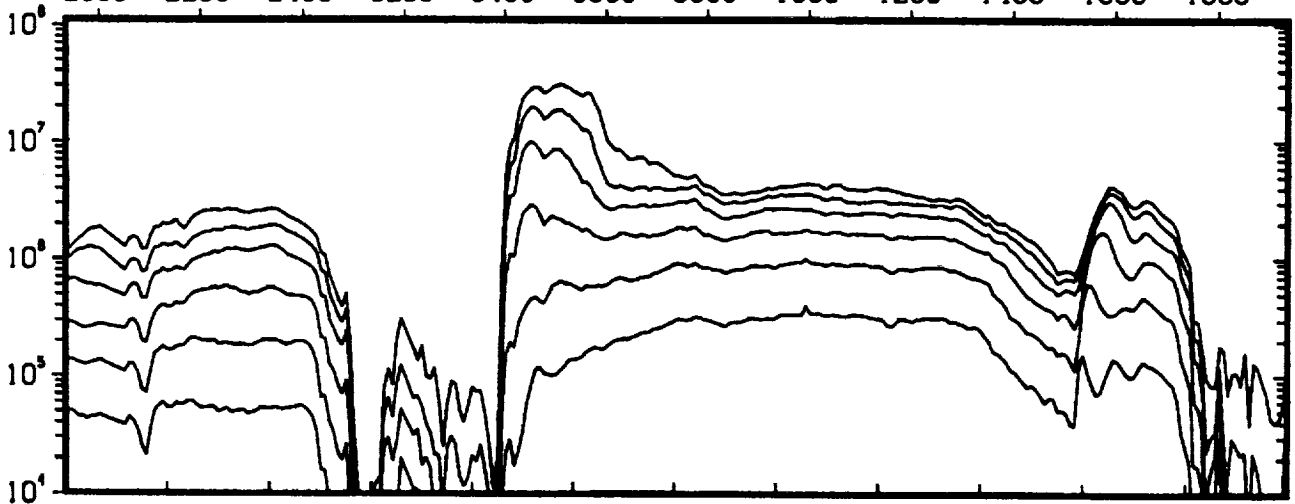
83/06/09

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

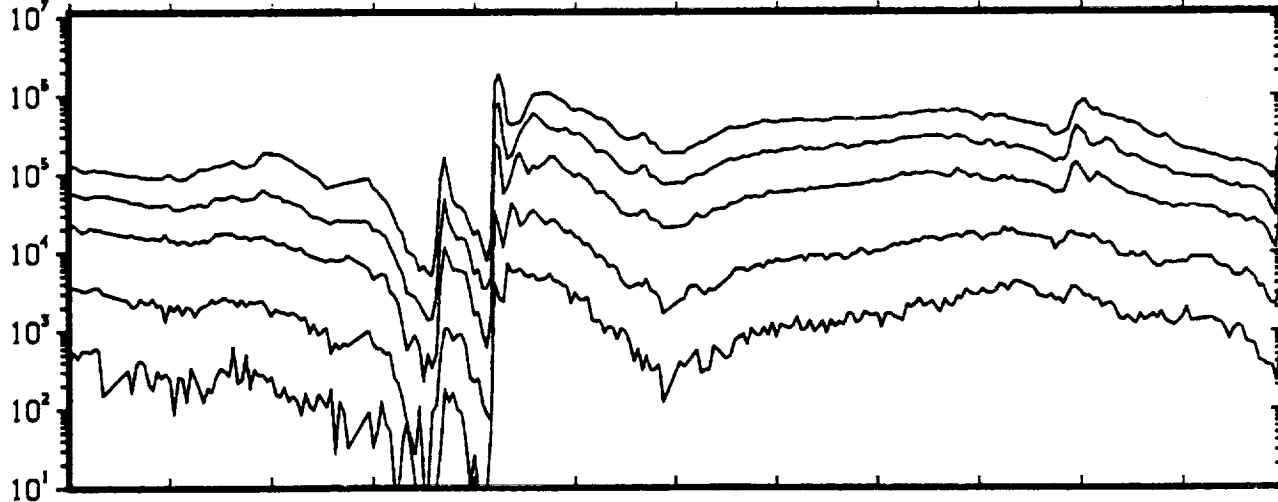


# LOW ENERGY IONS

1981-025

83/06/09

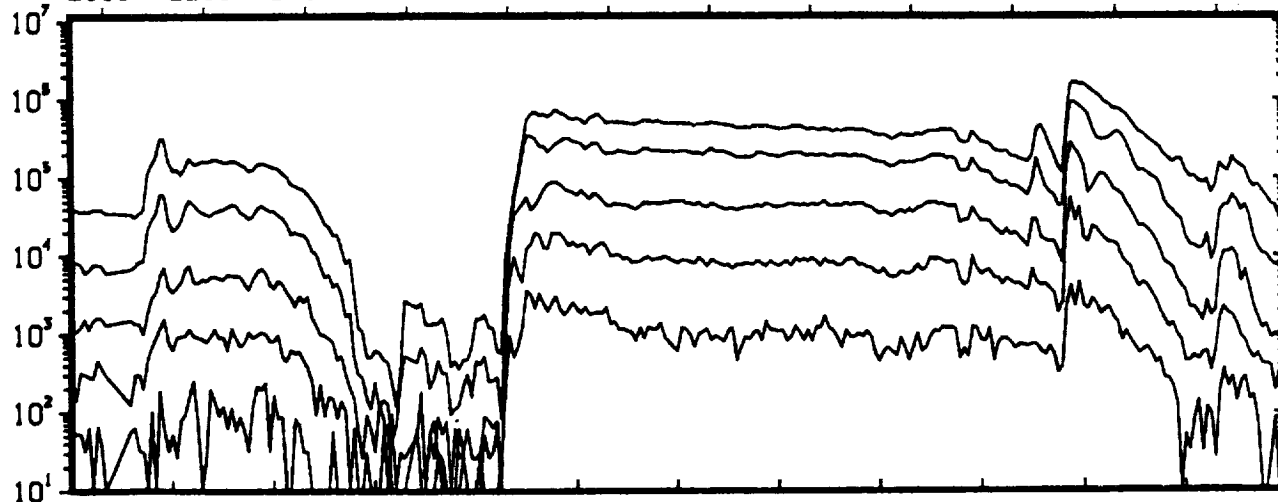
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

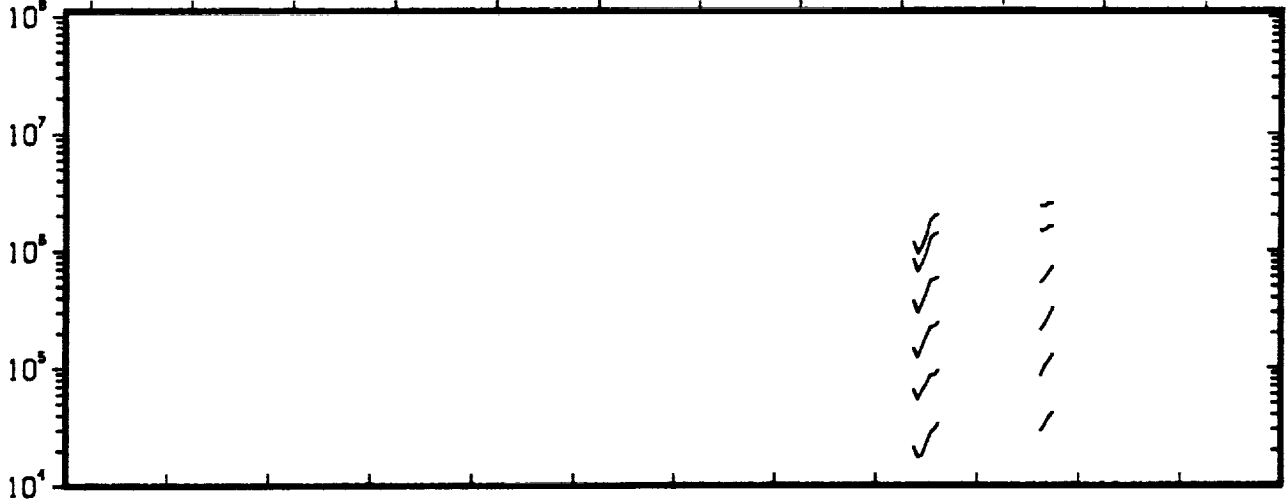


# LOW ENERGY ELECTRONS

1977-007

83/06/10

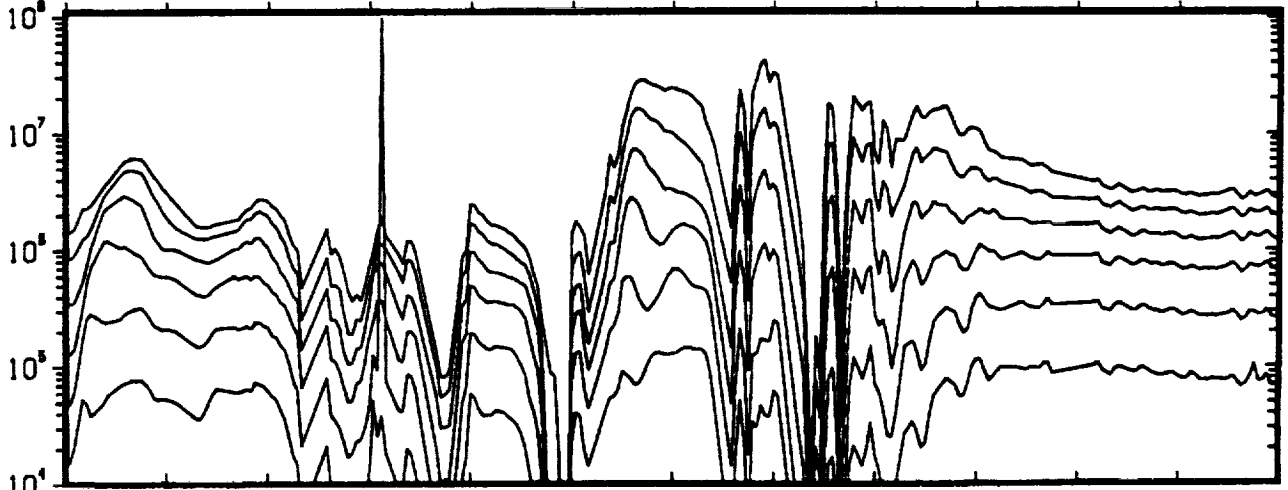
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

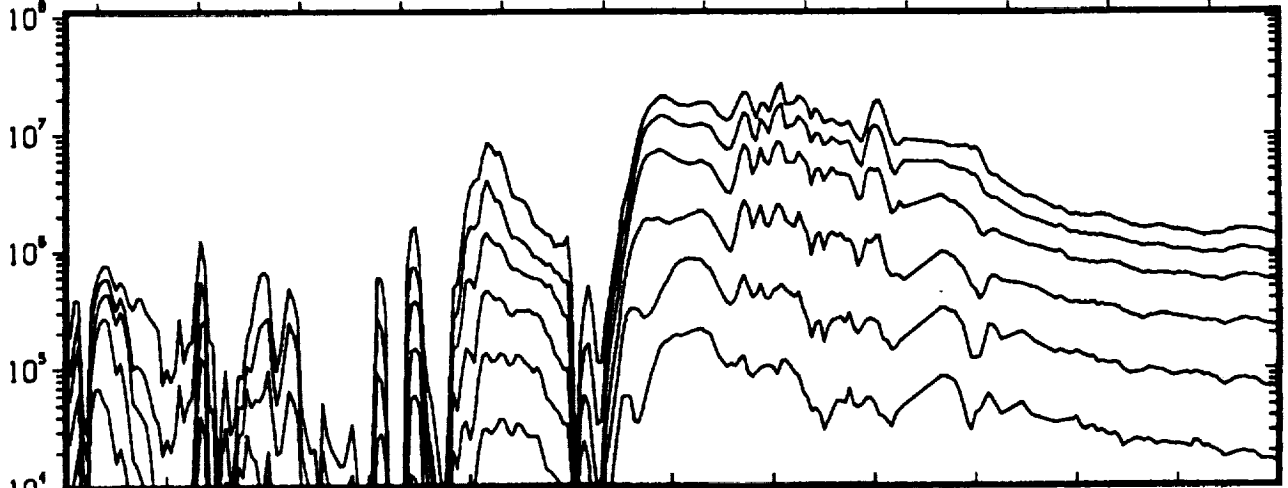
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



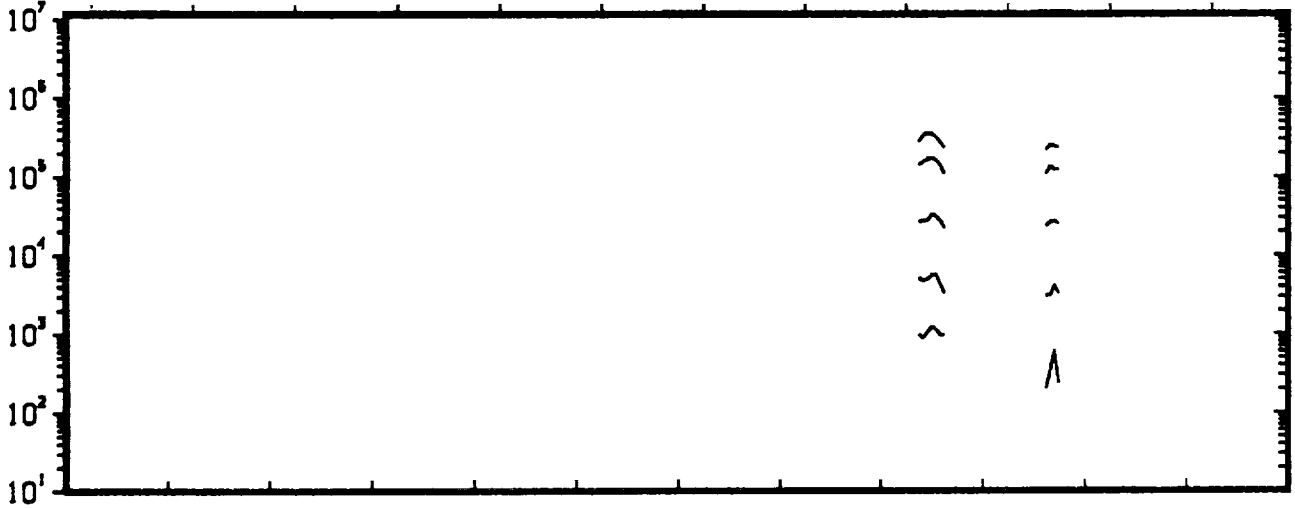
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY IONS

1977-007

83/06/10

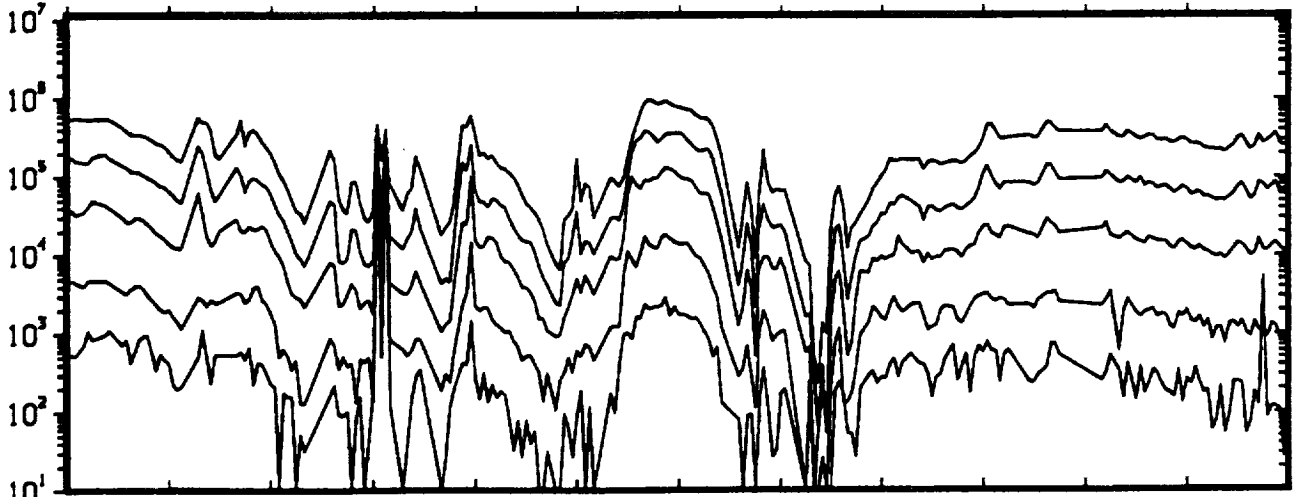
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

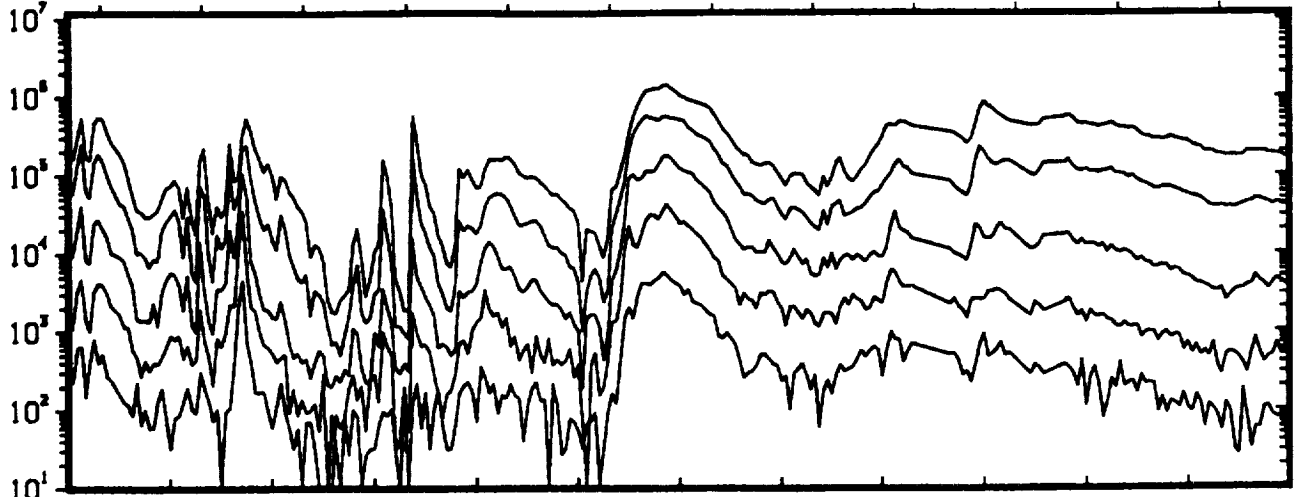
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



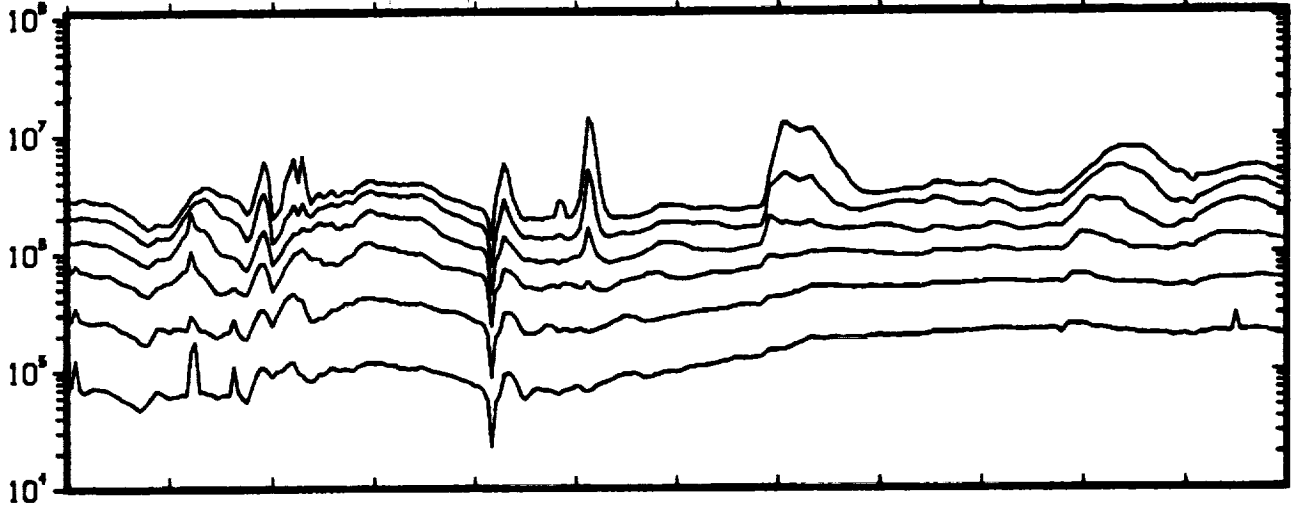
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1981-025

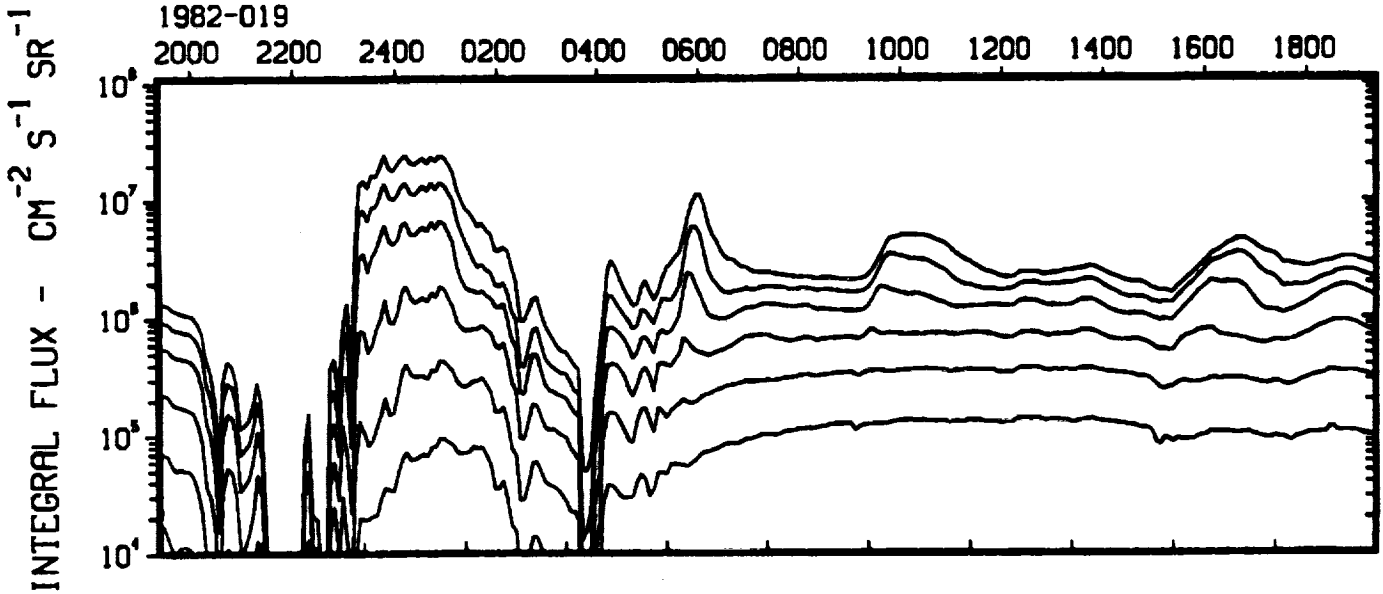
83/06/11

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

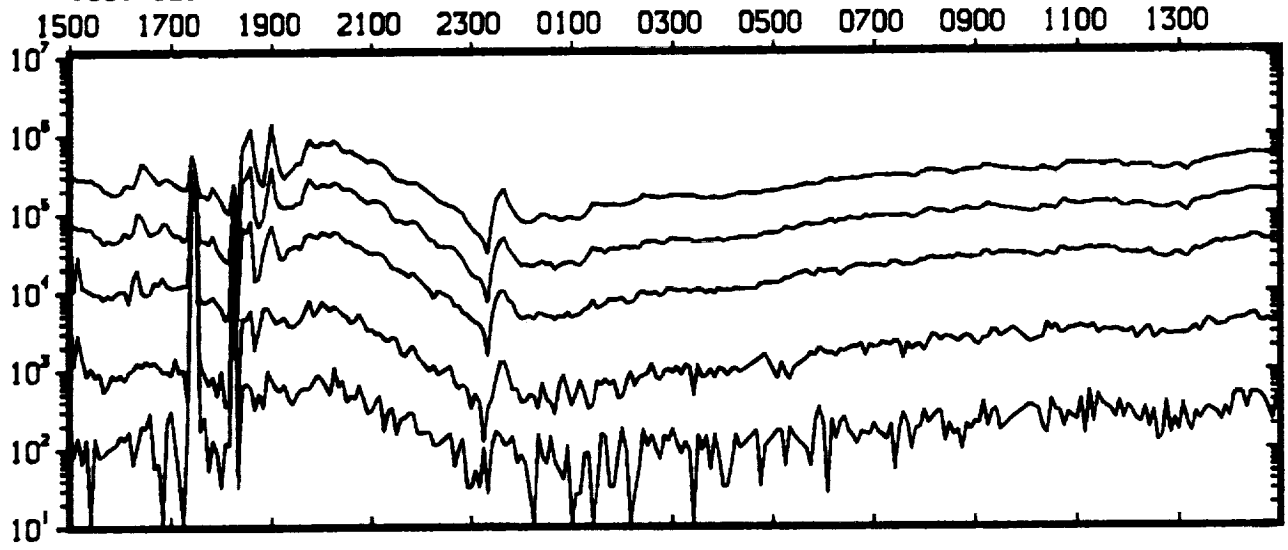
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



# LOW ENERGY IONS

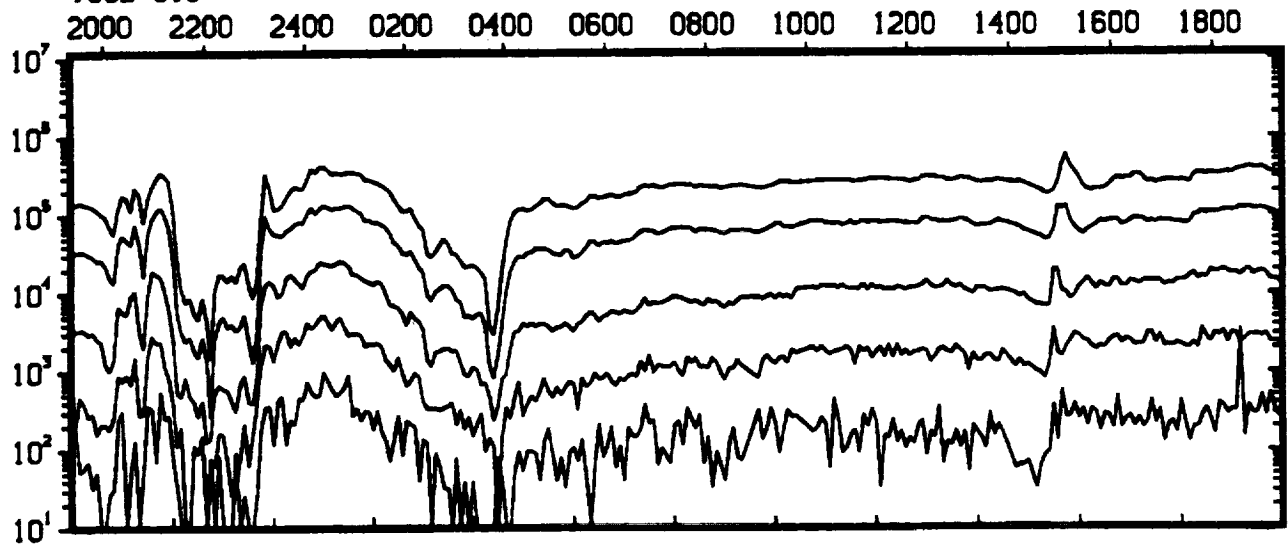
1981-025

83/06/11



1982-019

INTEGRAL FLUX -  $\text{CM}^{-2} \text{ S}^{-1} \text{ SR}^{-1}$

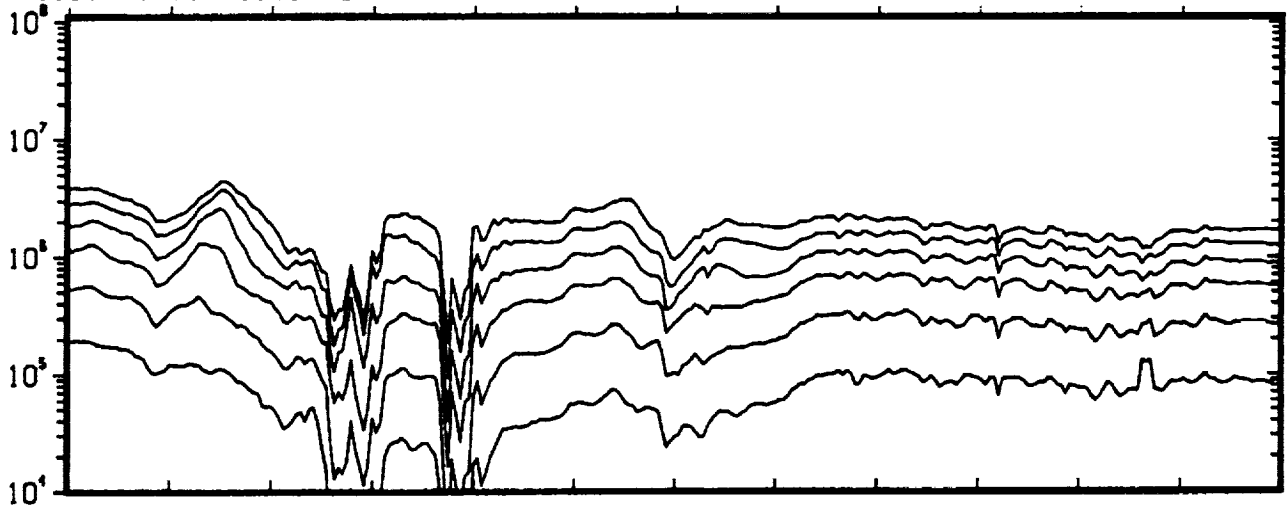


# LOW ENERGY ELECTRONS

1981-025

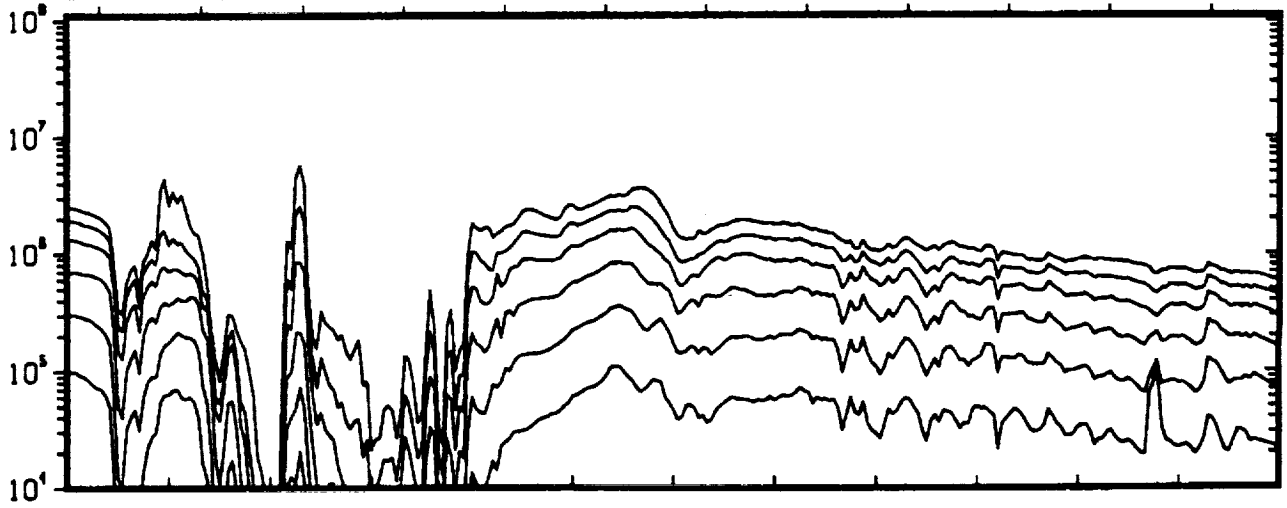
83/06/12

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



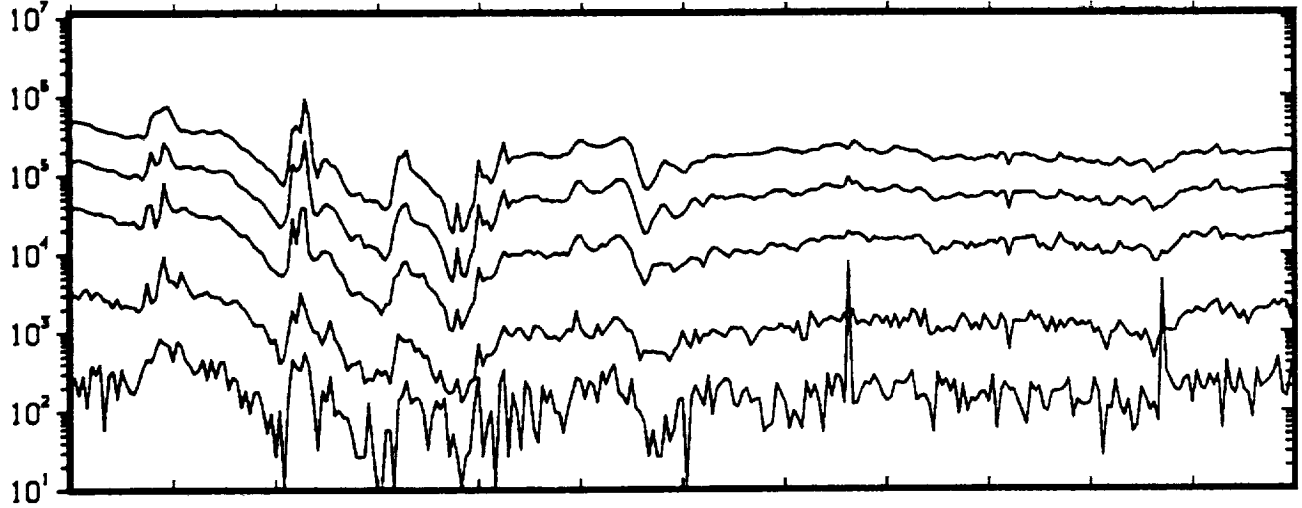
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1981-025

83/06/12

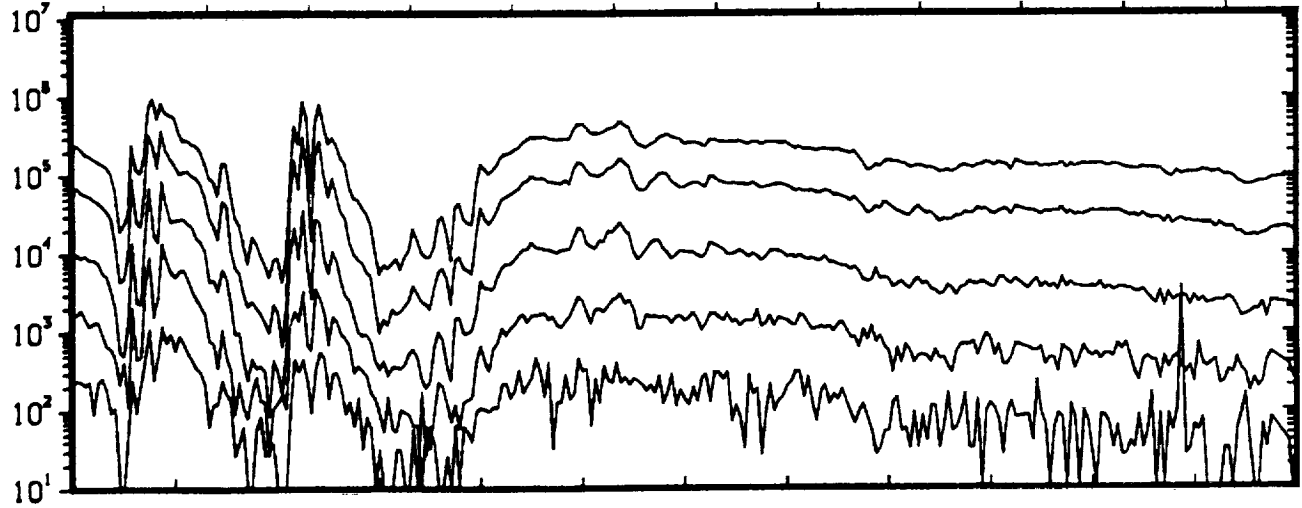
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

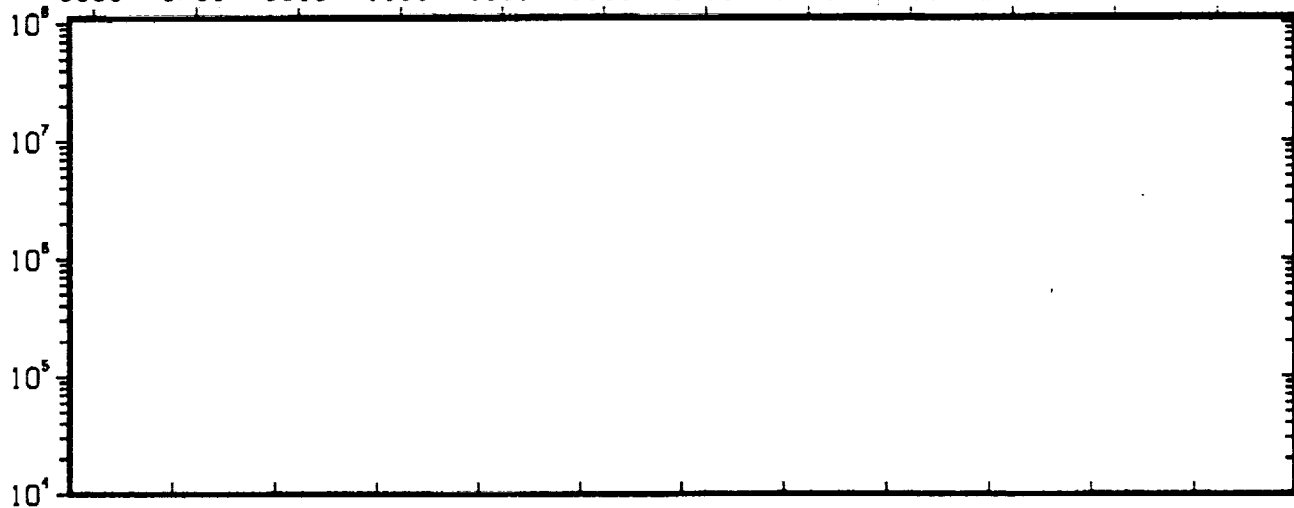


# LOW ENERGY ELECTRONS

1977-007

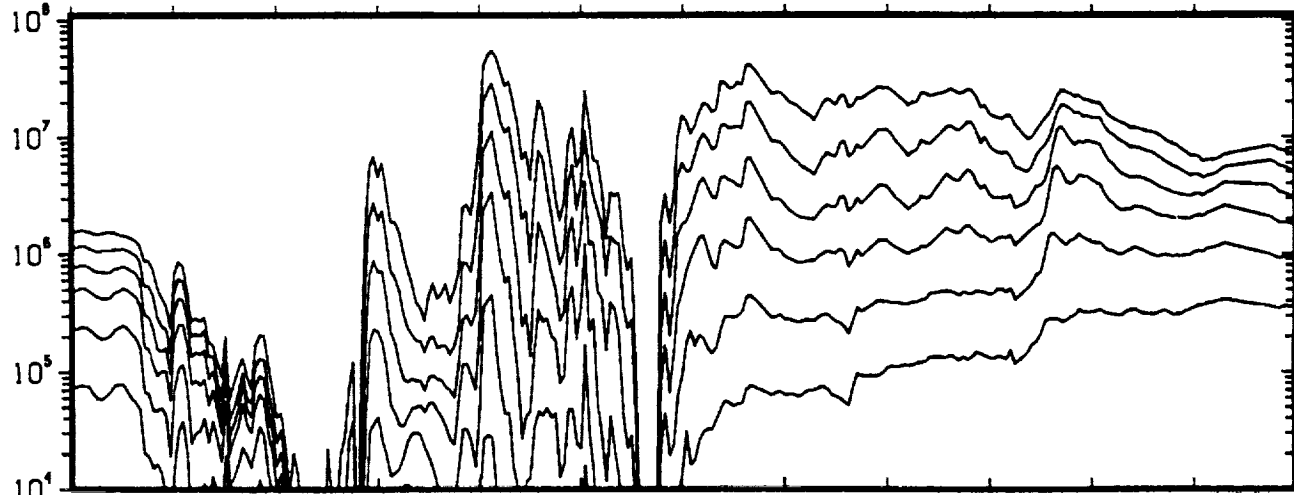
83/06/13

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



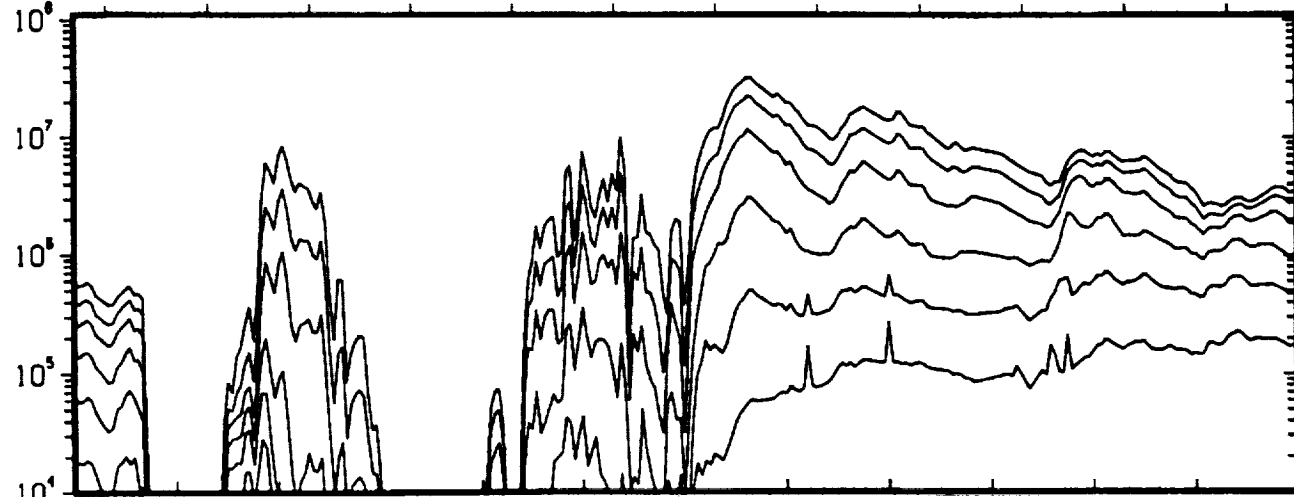
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

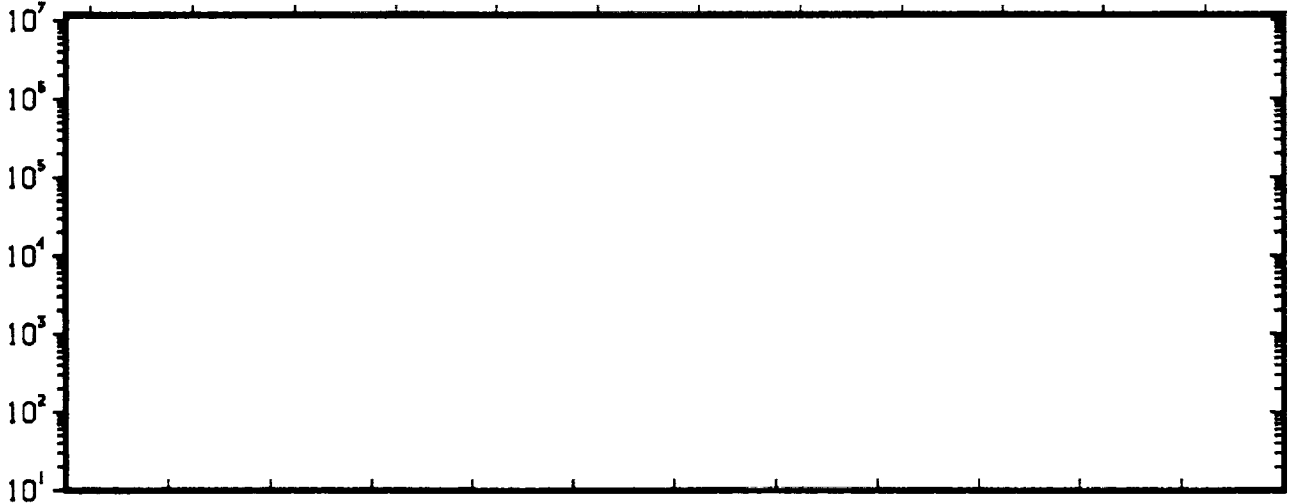


# LOW ENERGY IONS

1977-007

83/06/13

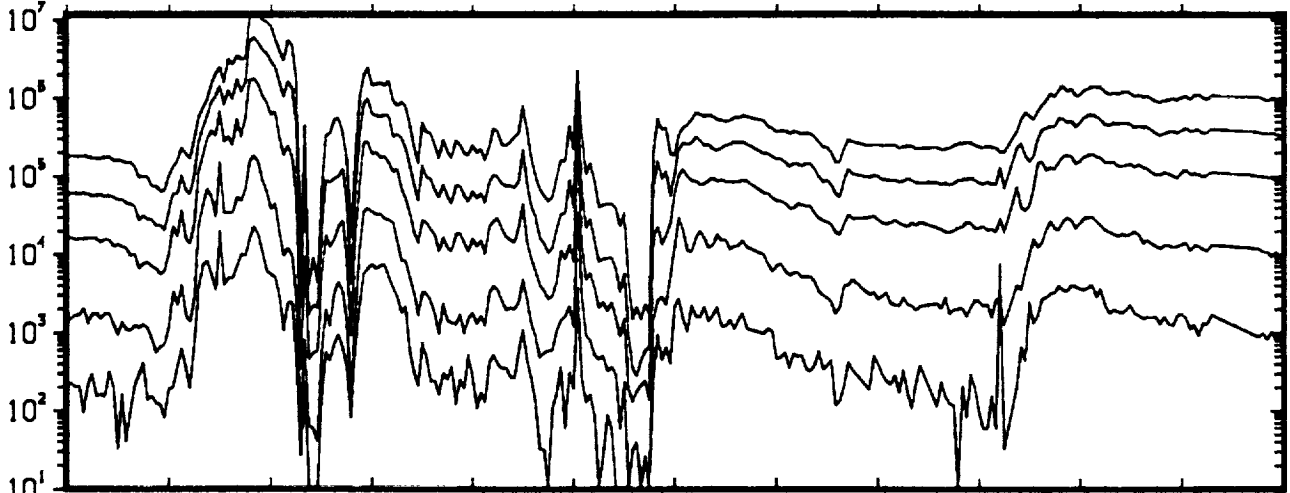
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

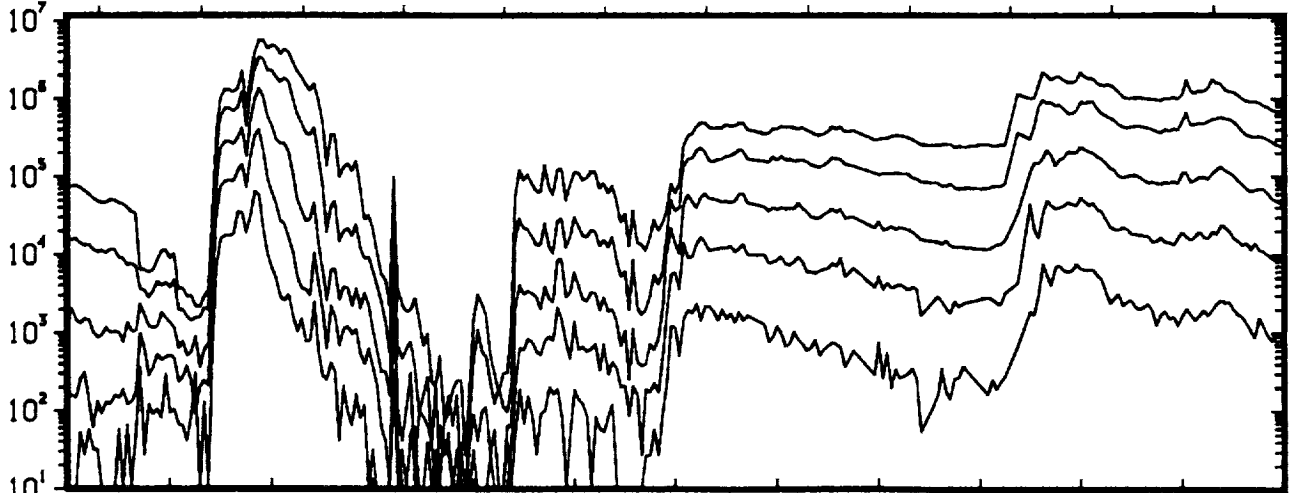
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



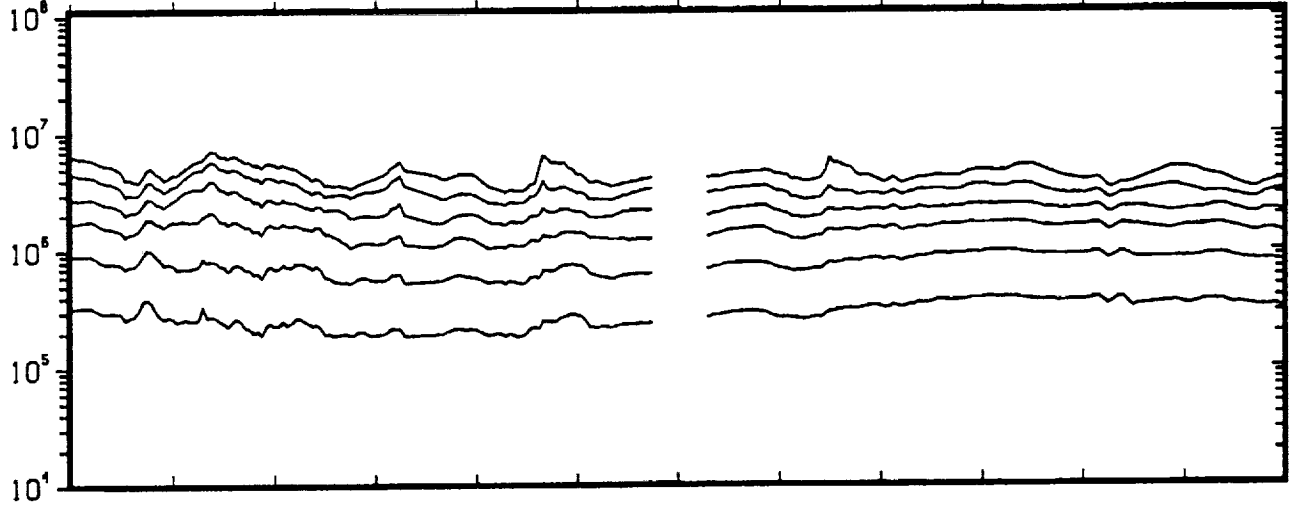
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1981-025

83/06/14

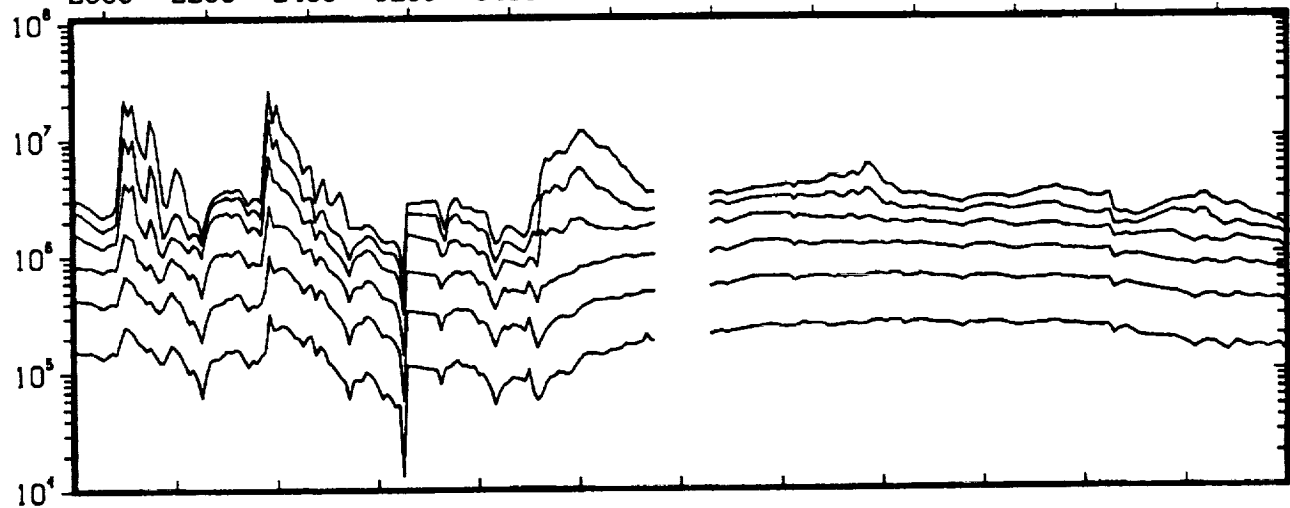
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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

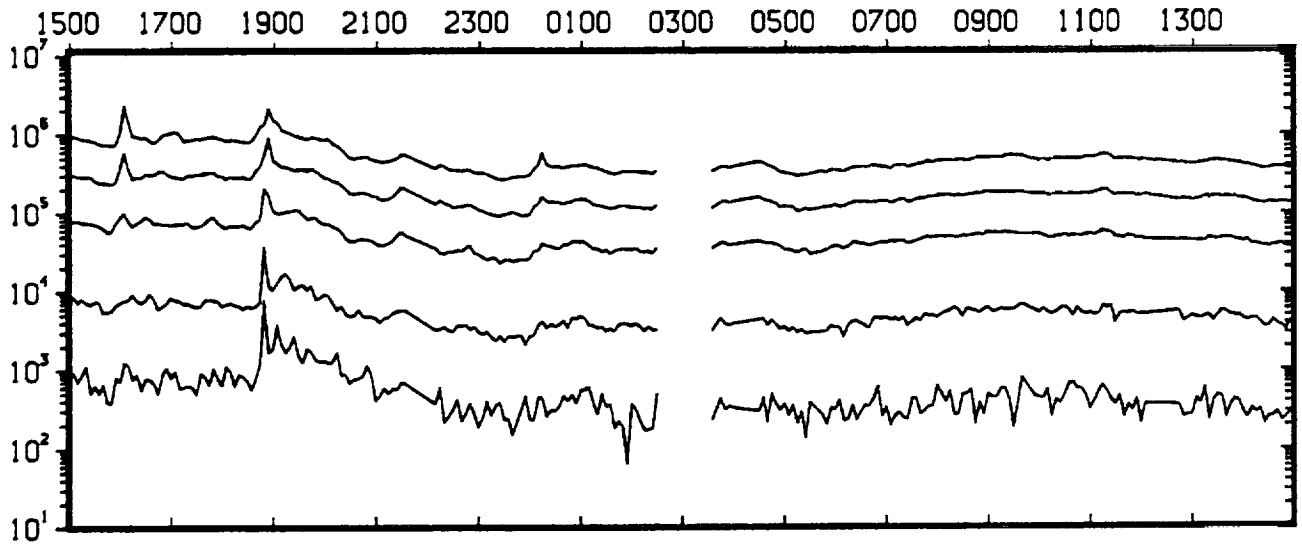
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



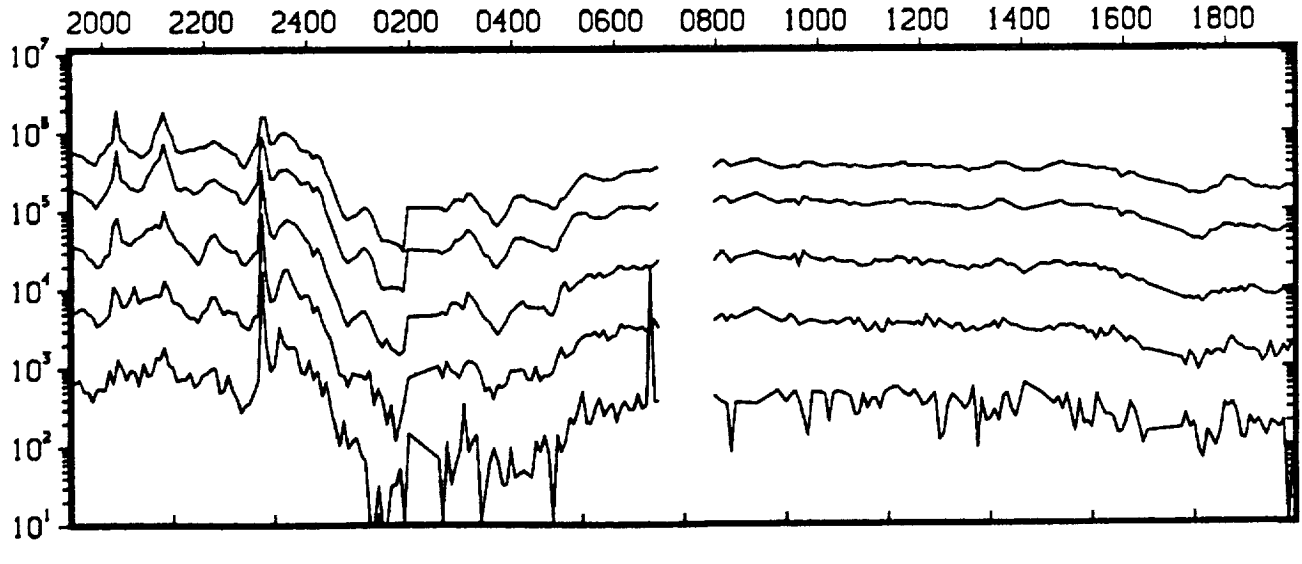
# LOW ENERGY IONS

1981-025

83/06/14



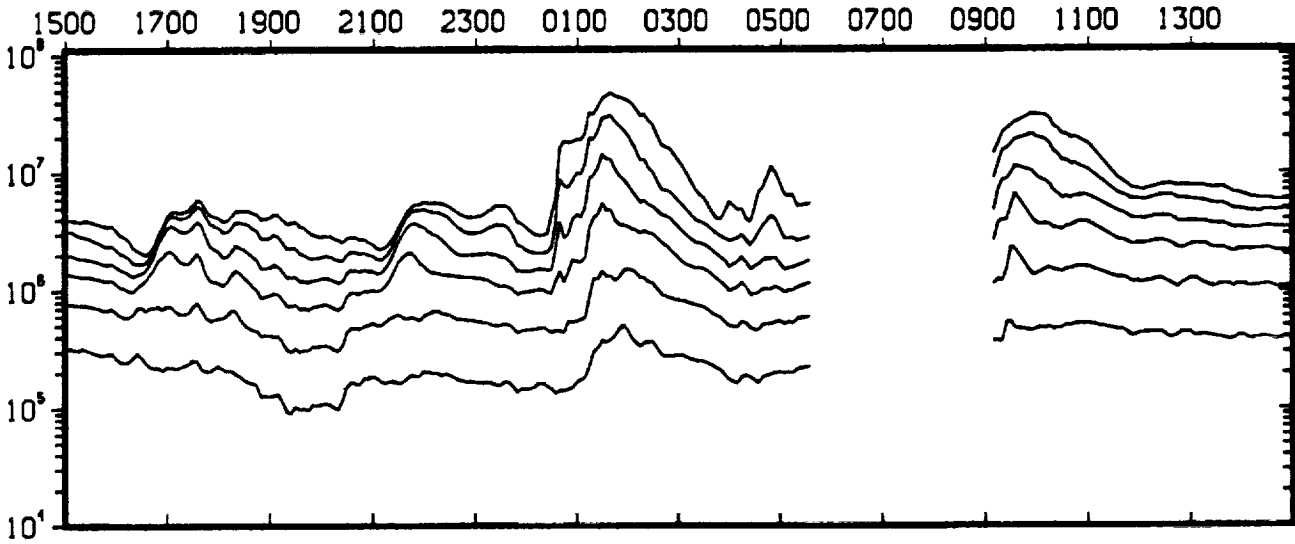
1982-019



# LOW ENERGY ELECTRONS

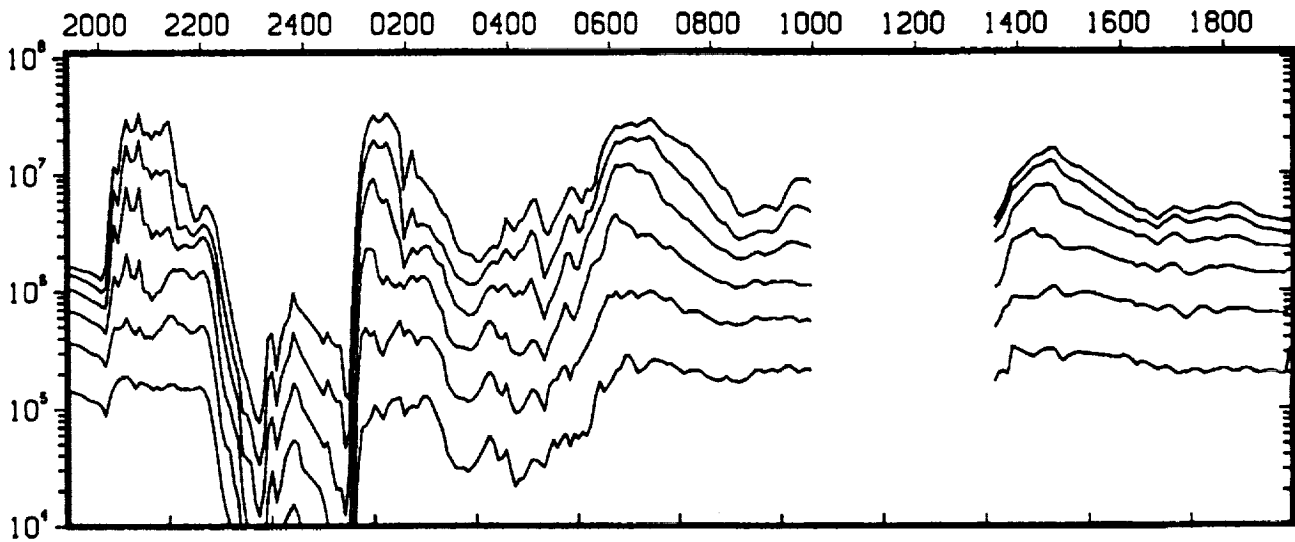
1981-025

83/06/15



1982-019

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

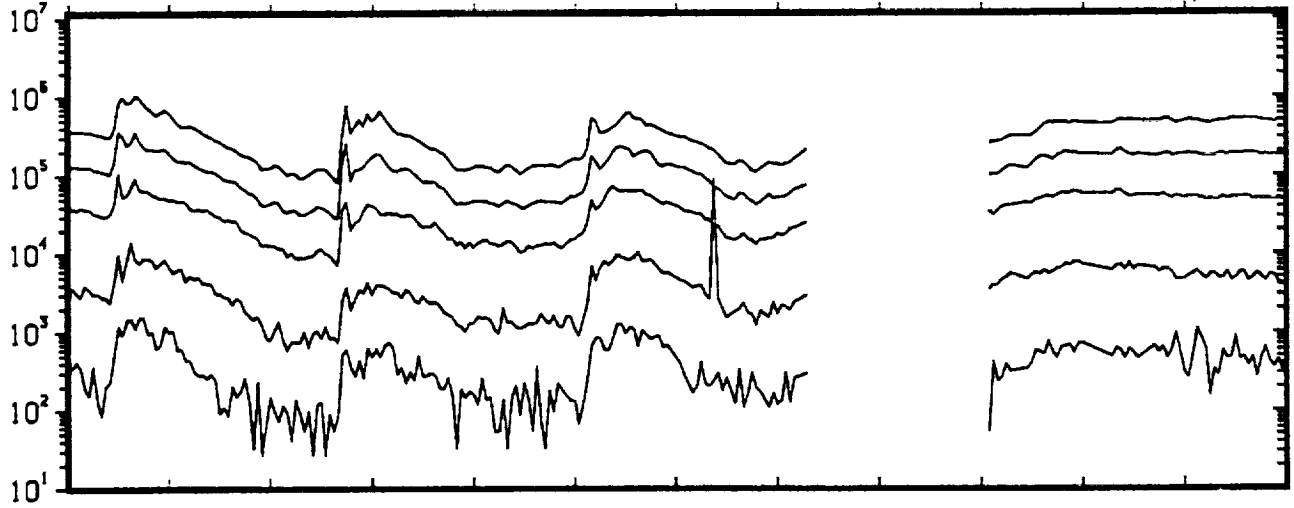


# LOW ENERGY IONS

1981-025

83/06/15

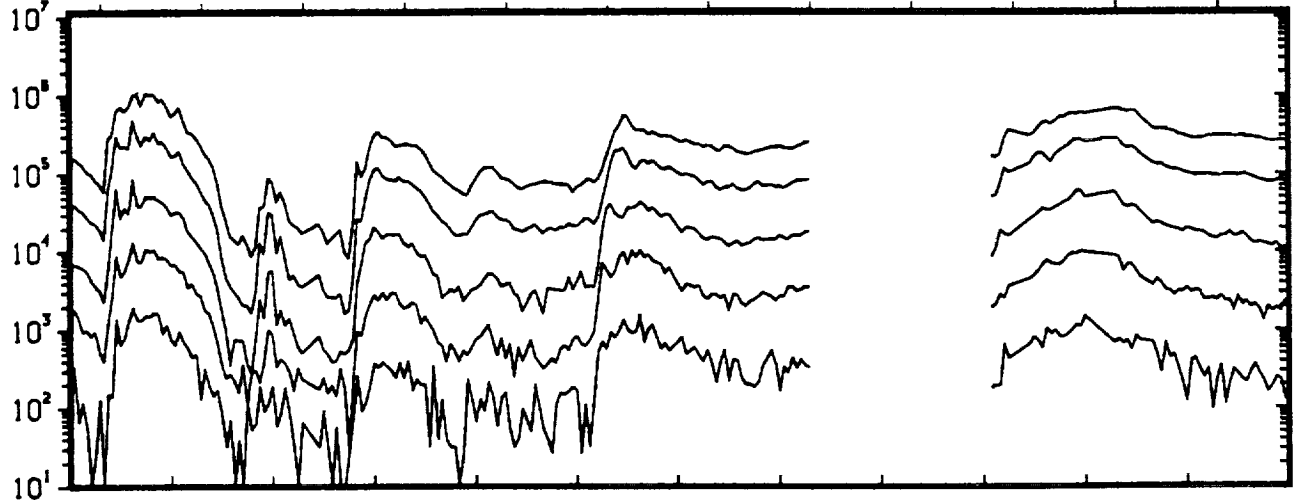
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

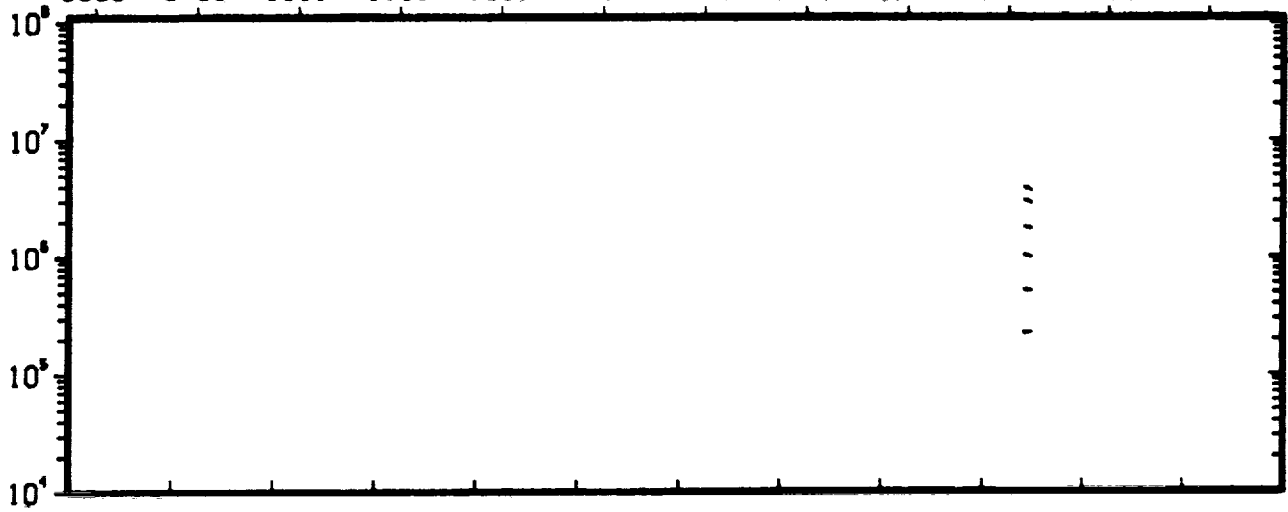


# LOW ENERGY ELECTRONS

1977-007

83/06/16

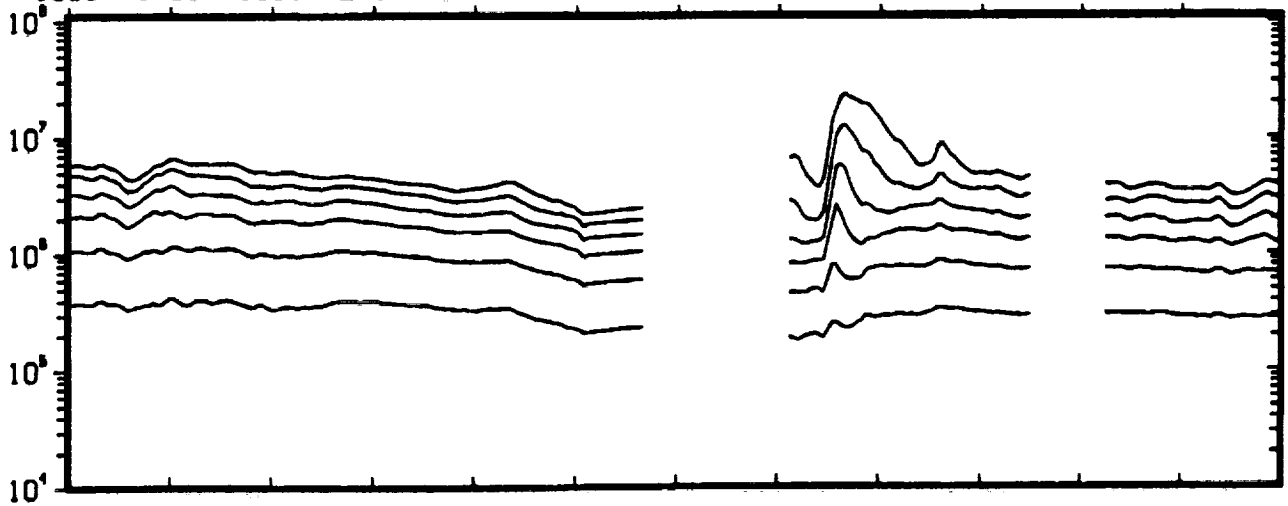
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

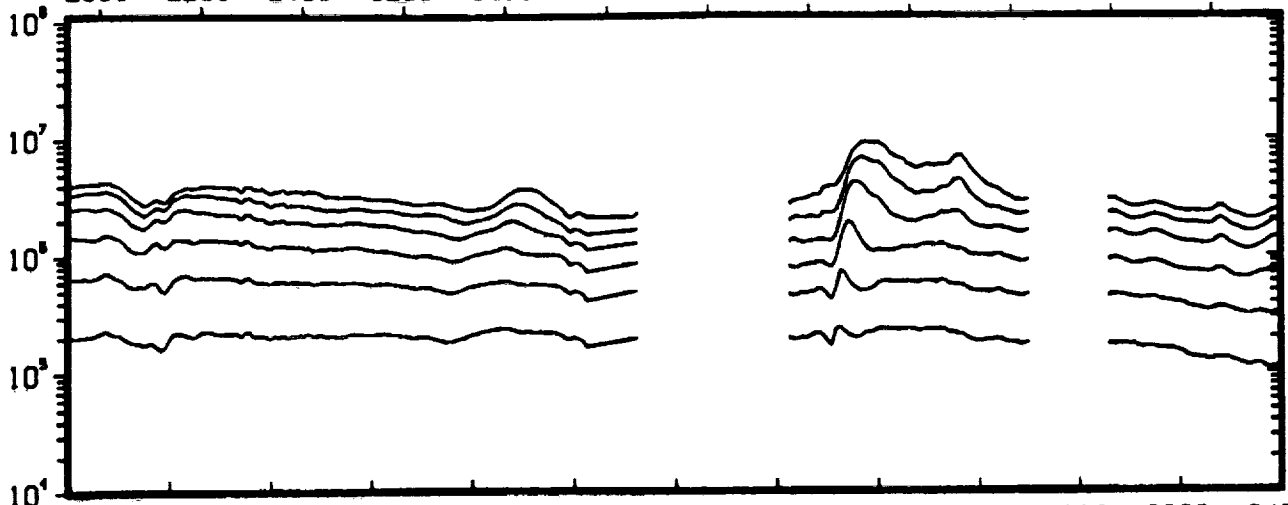
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



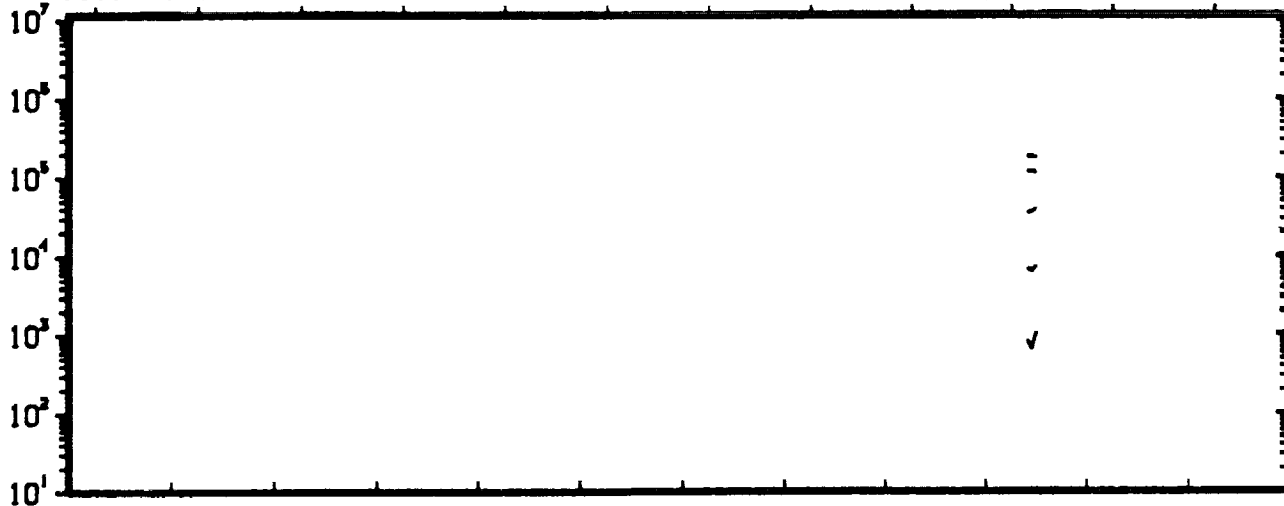
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# LOW ENERGY IONS

1977-007

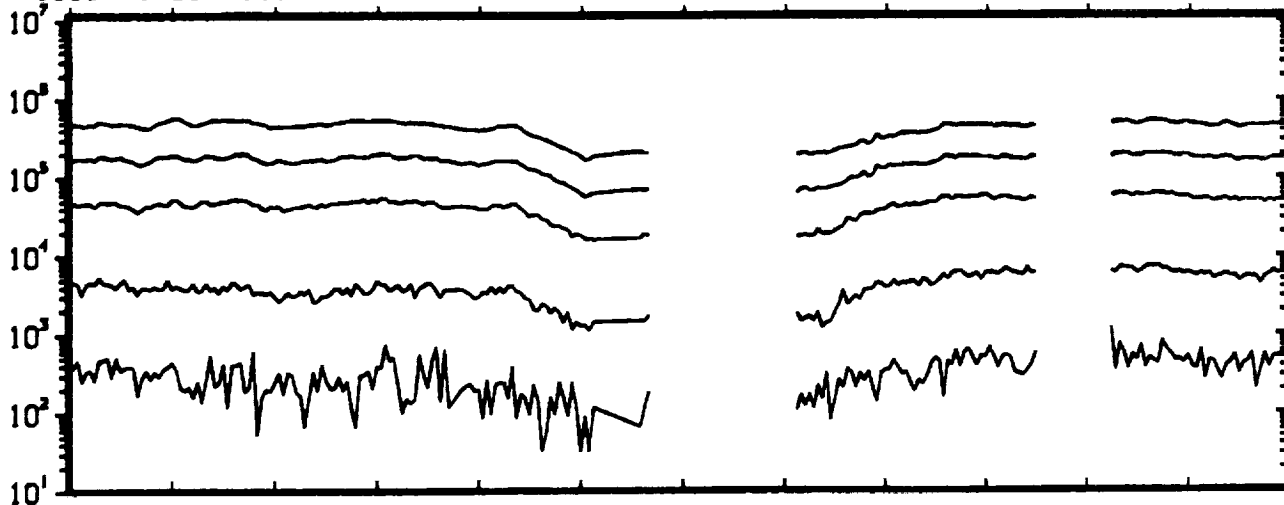
83/06/16

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



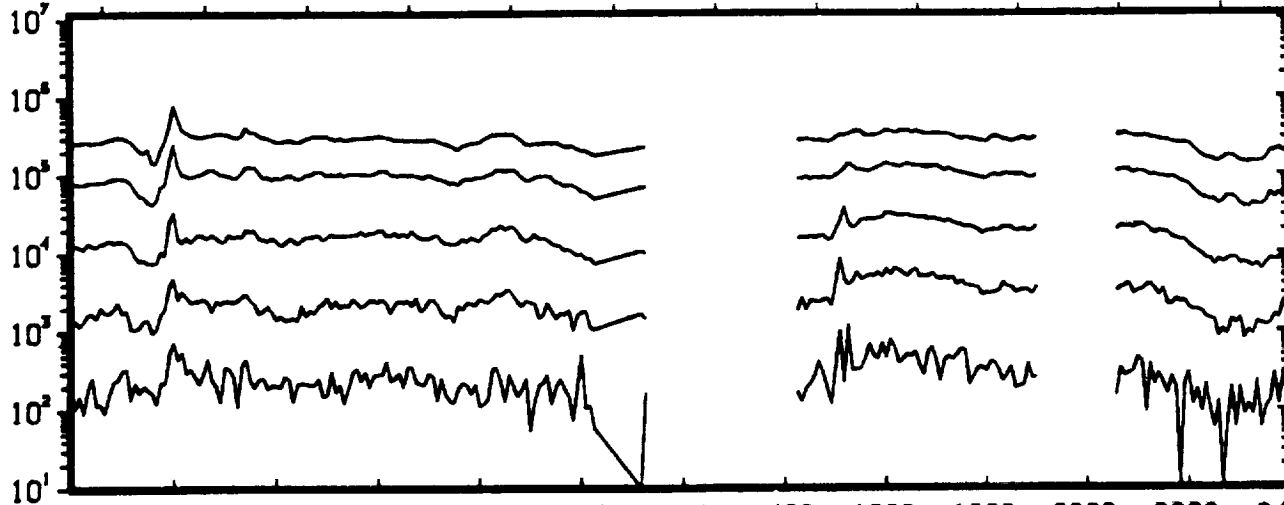
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



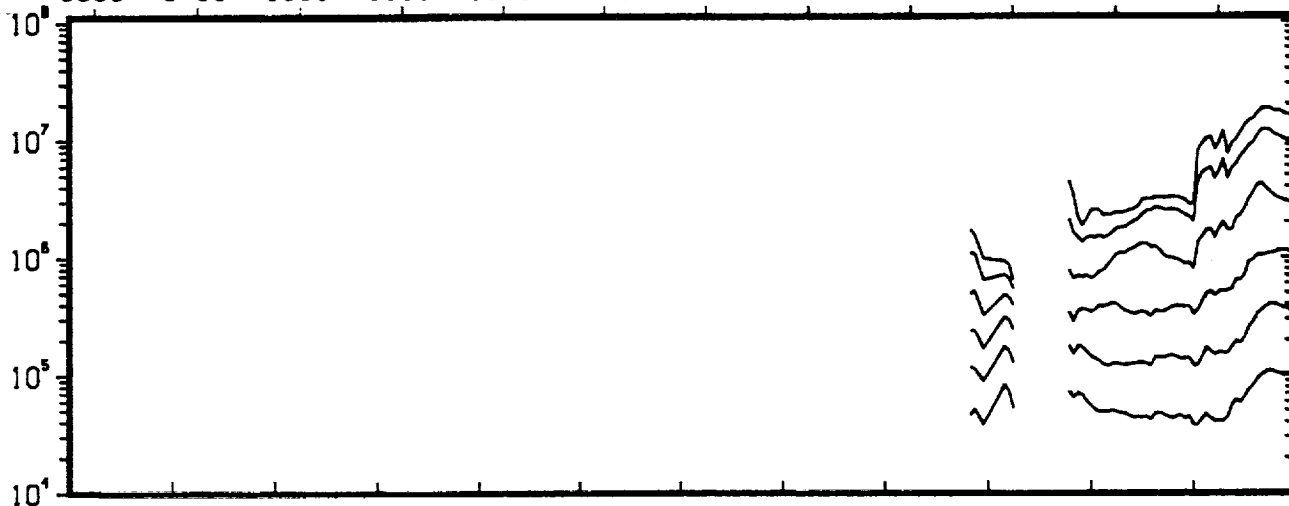
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

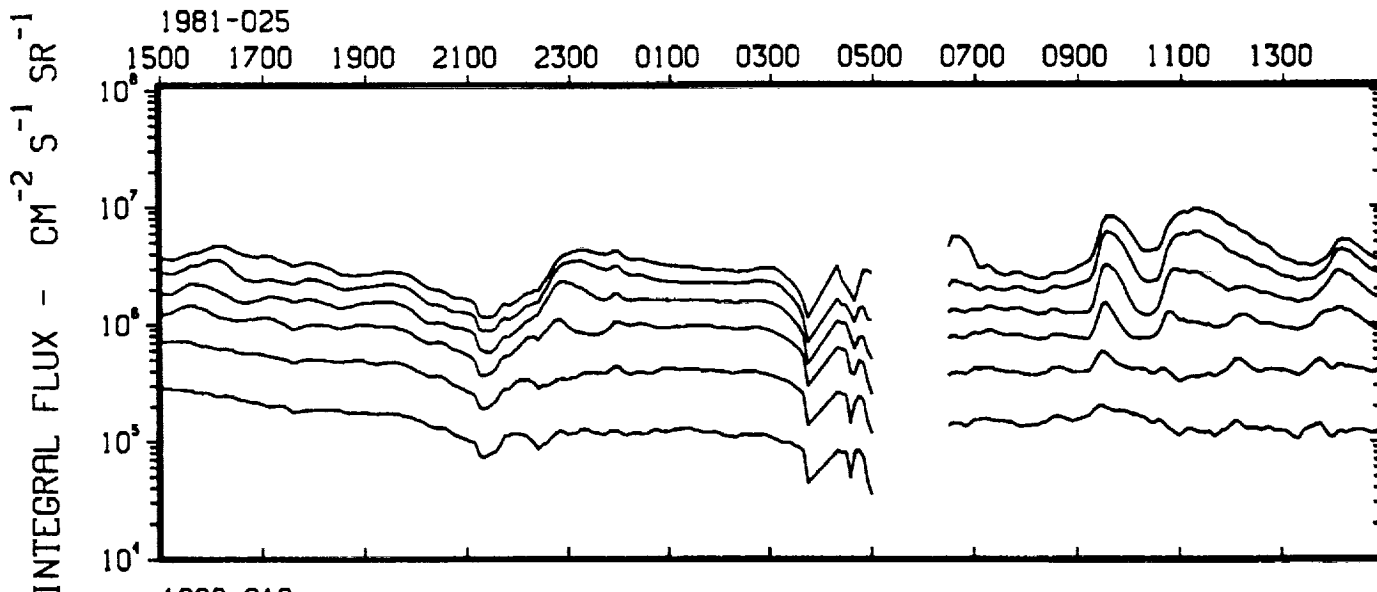
83/06/17

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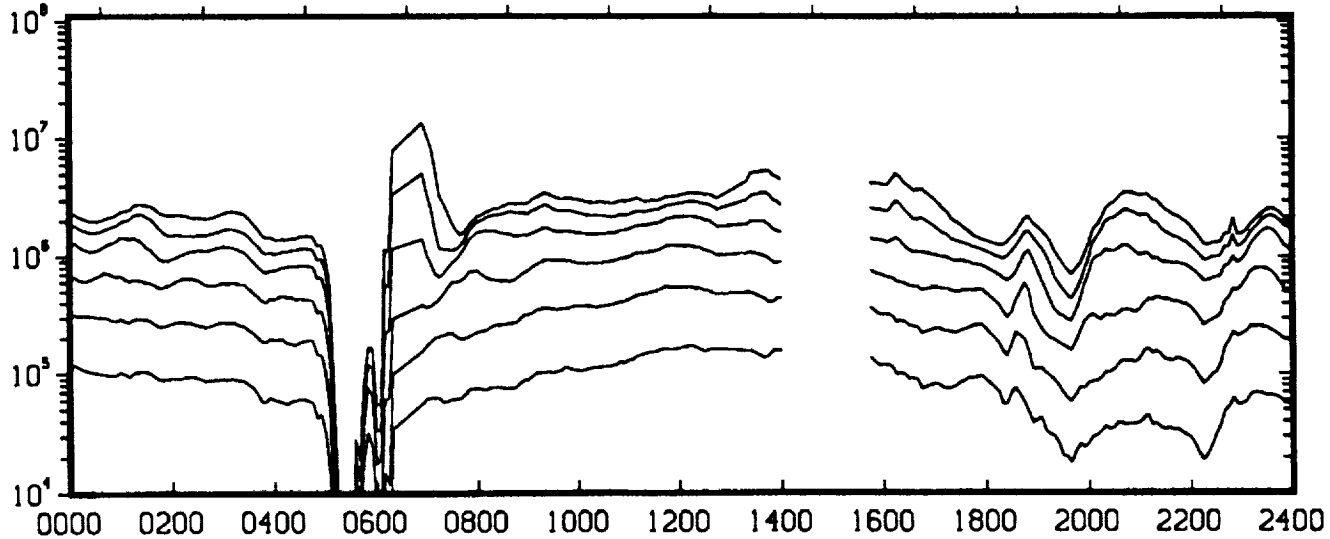
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



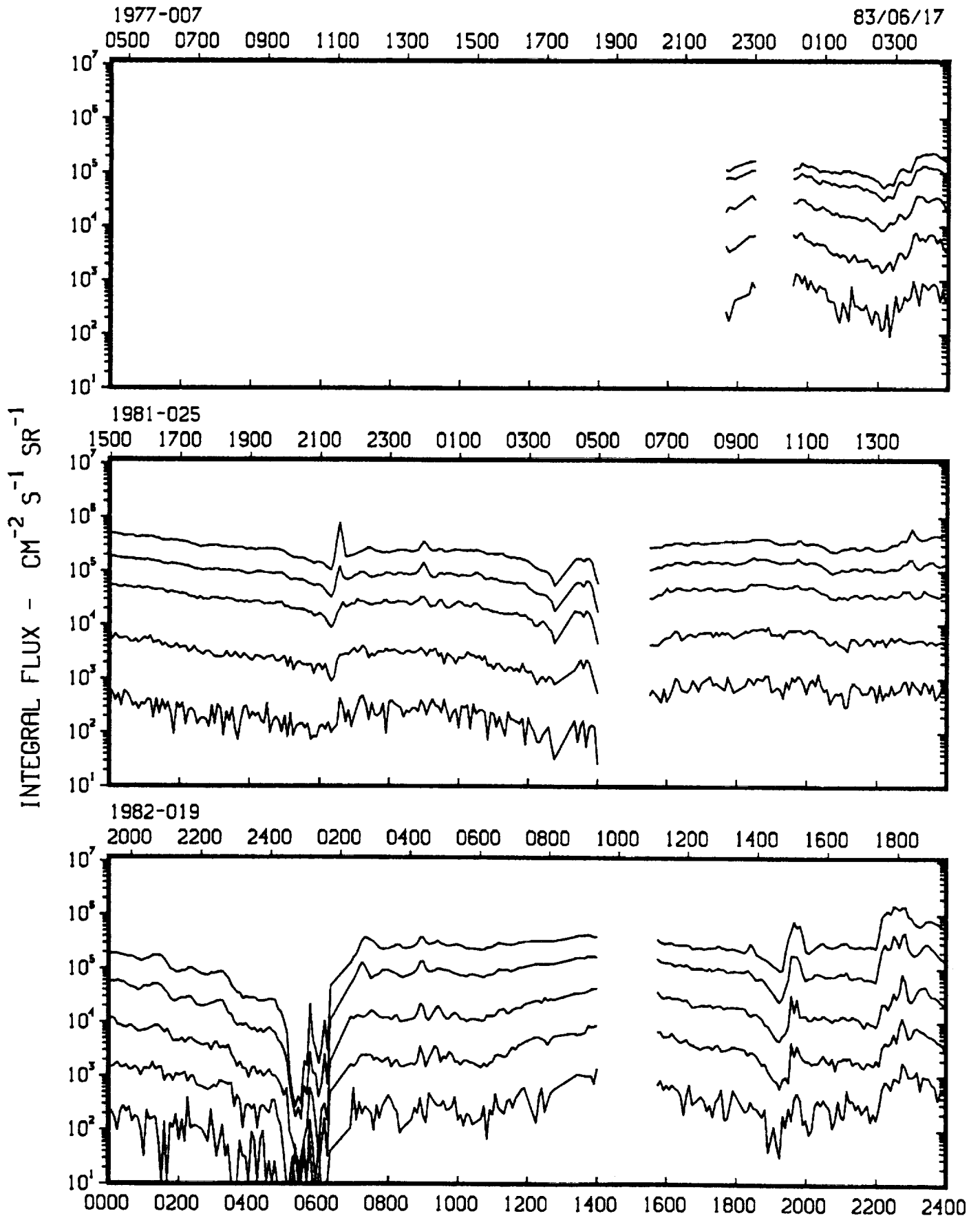
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800





# LOW ENERGY IONS

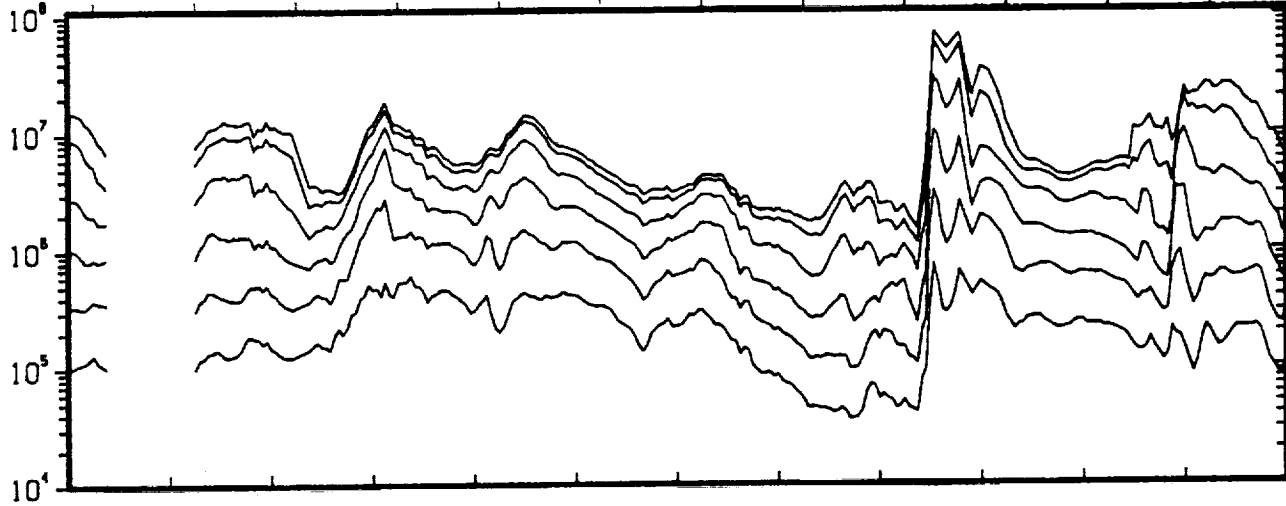


# LOW ENERGY ELECTRONS

1977-007

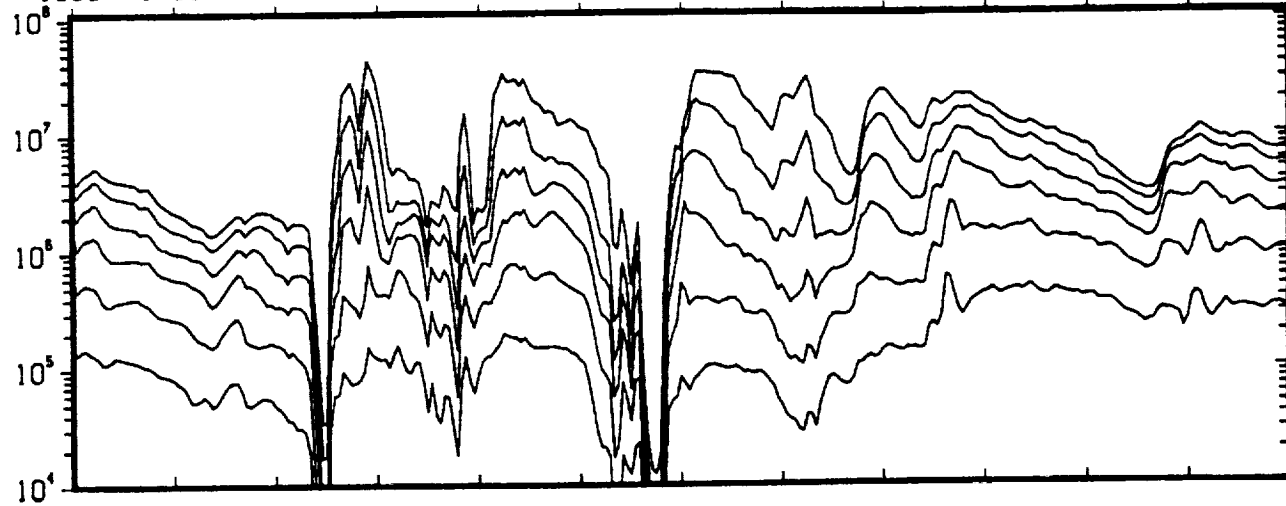
83/06/18

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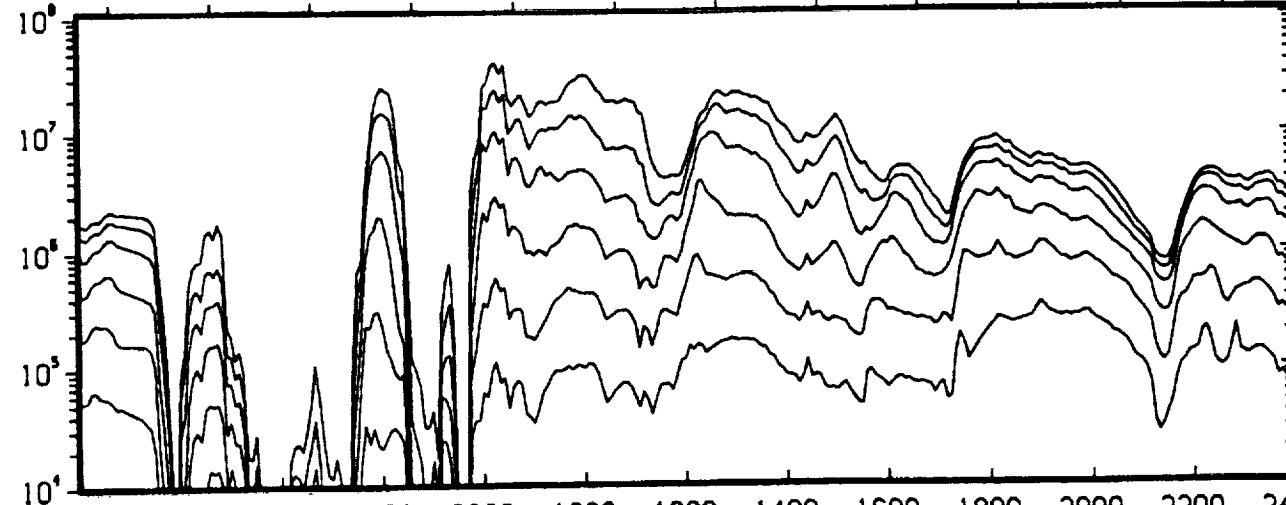
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



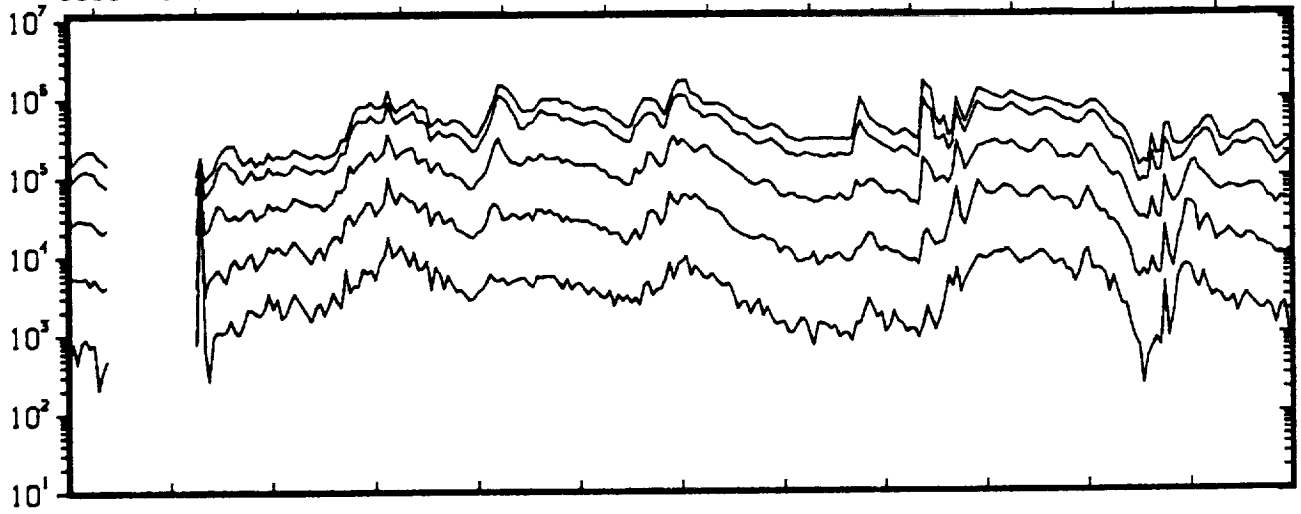
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/06/18

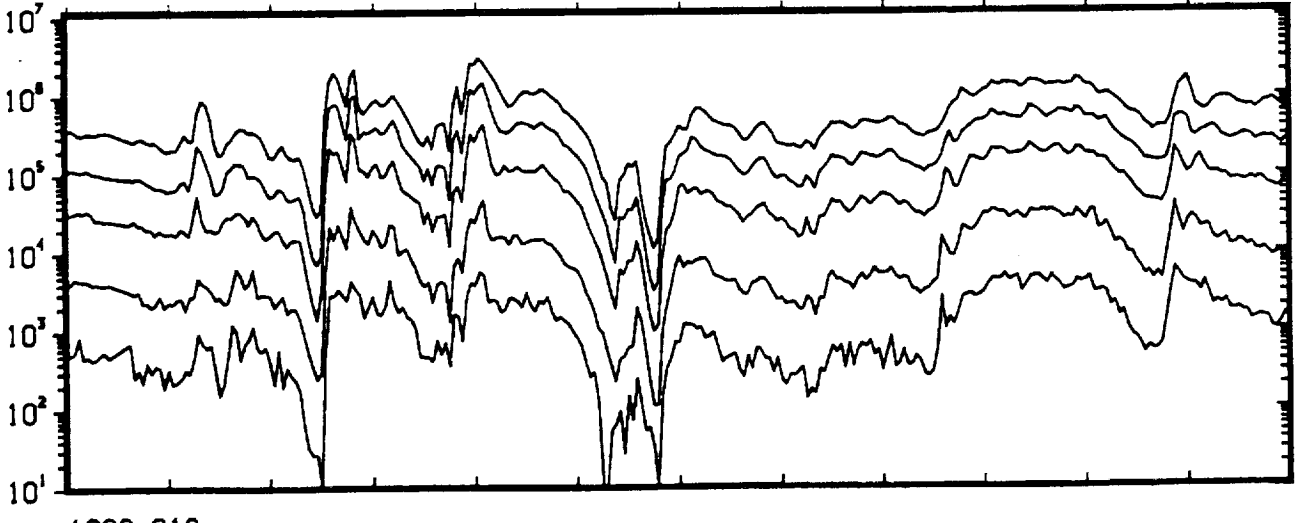
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

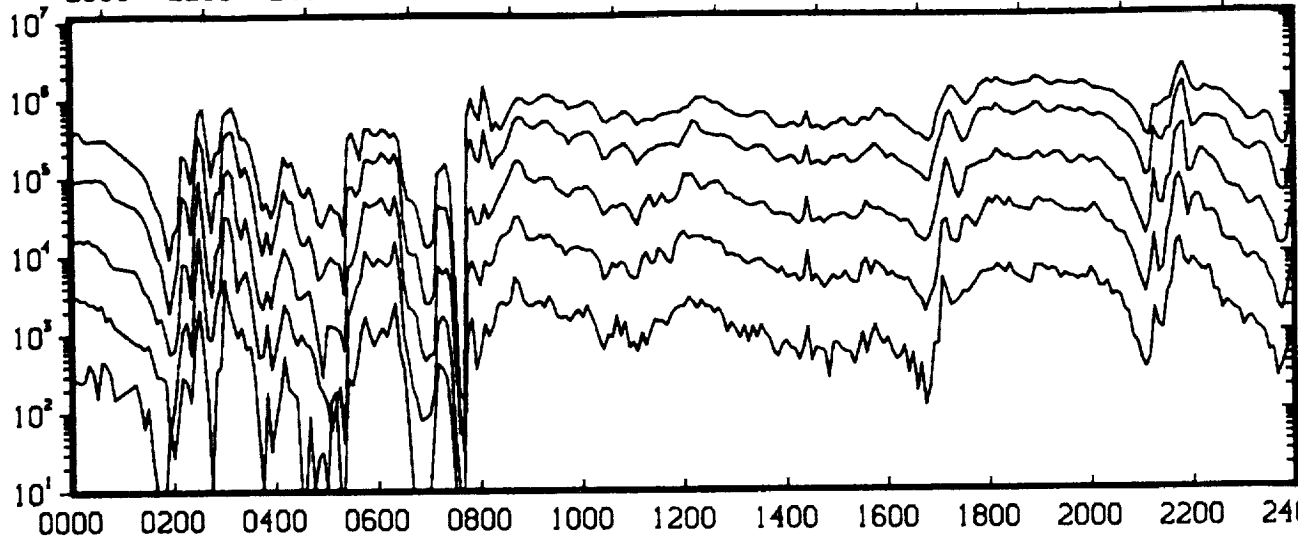
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

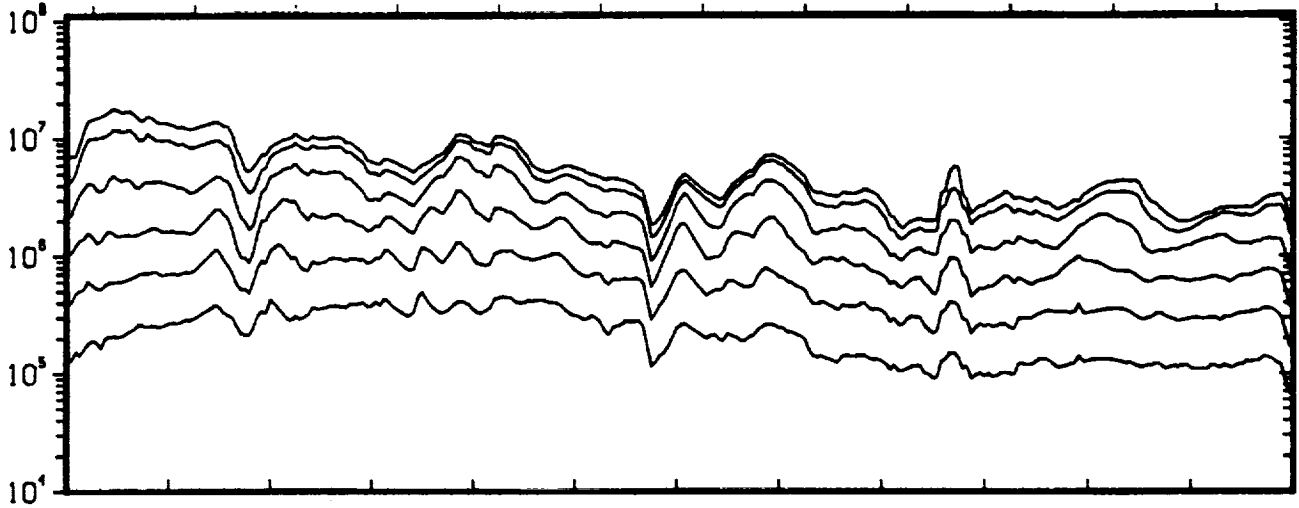


# LOW ENERGY ELECTRONS

1977-007

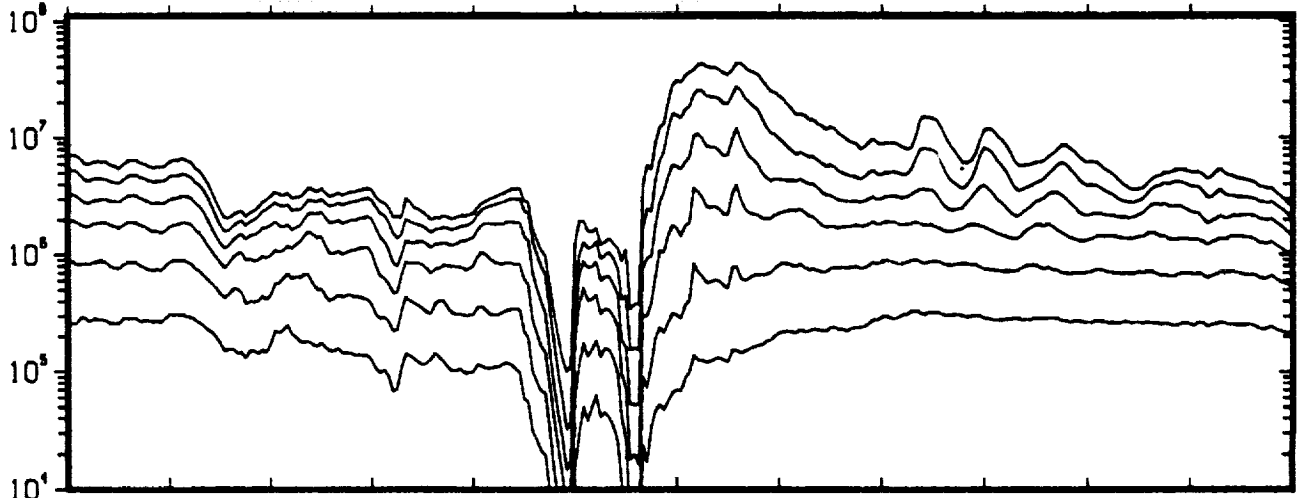
83/06/19

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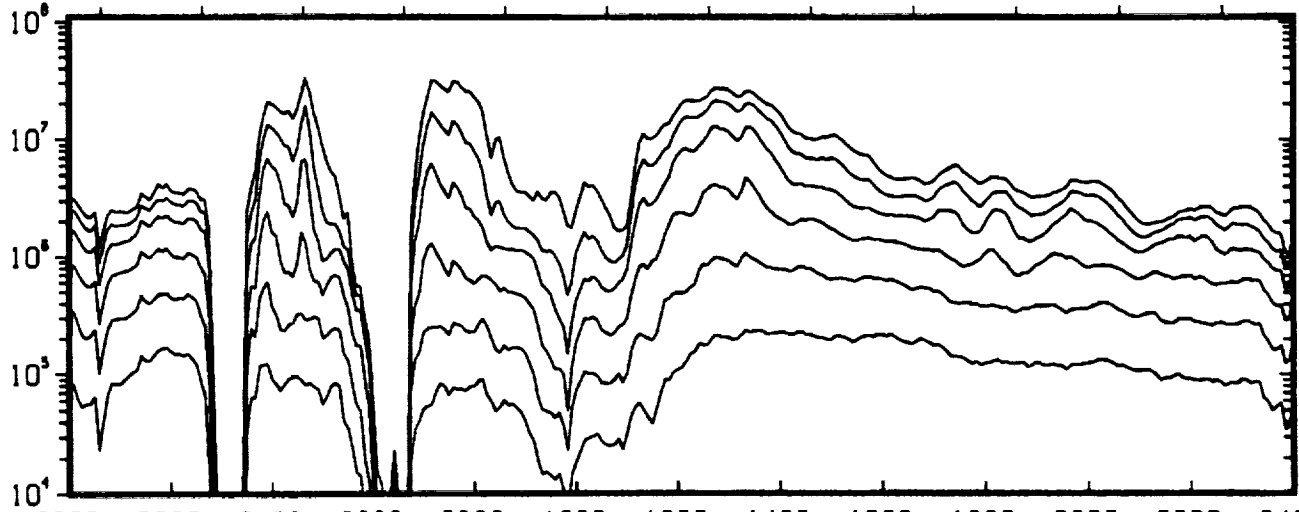
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



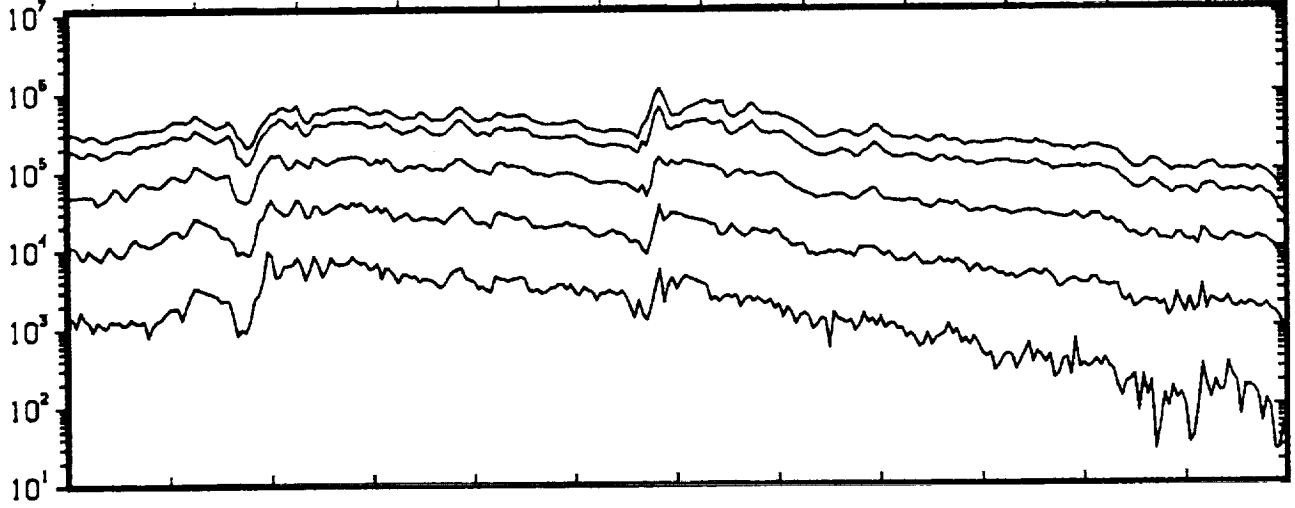
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

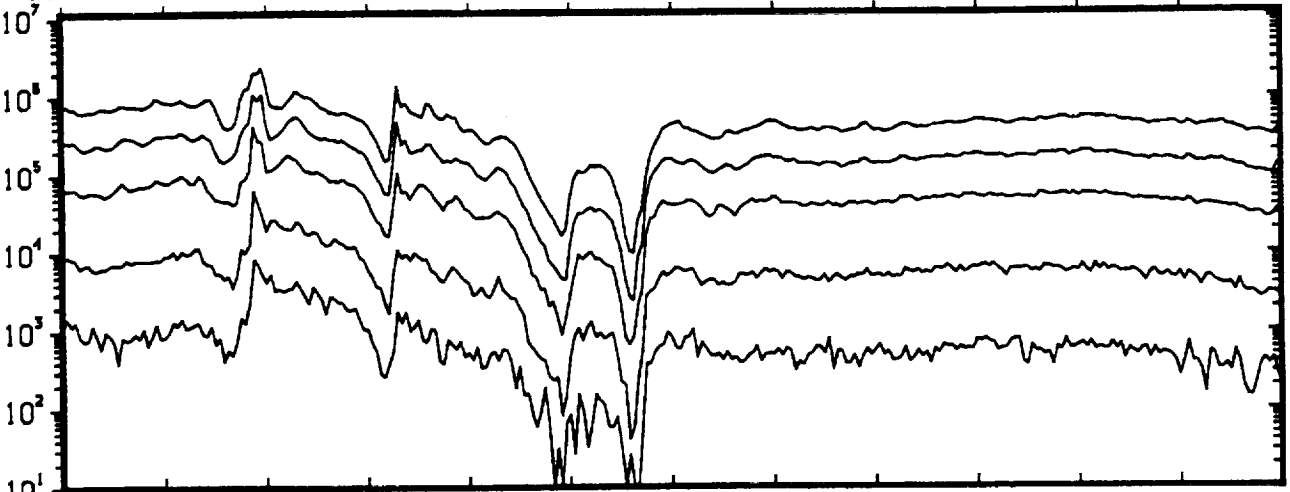
83/06/19

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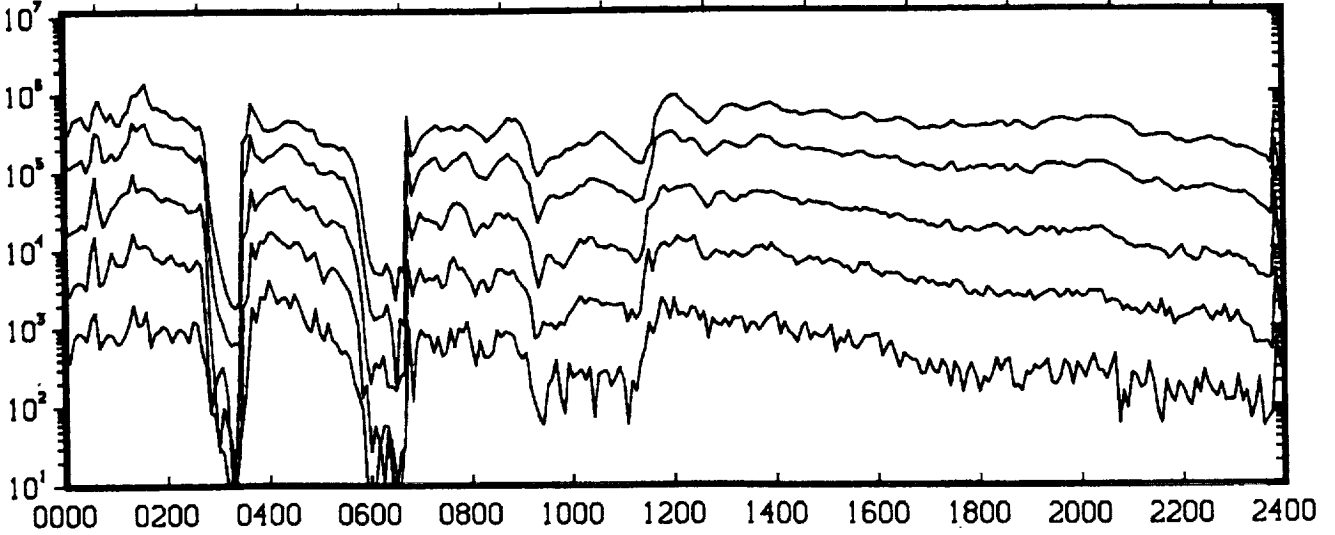
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



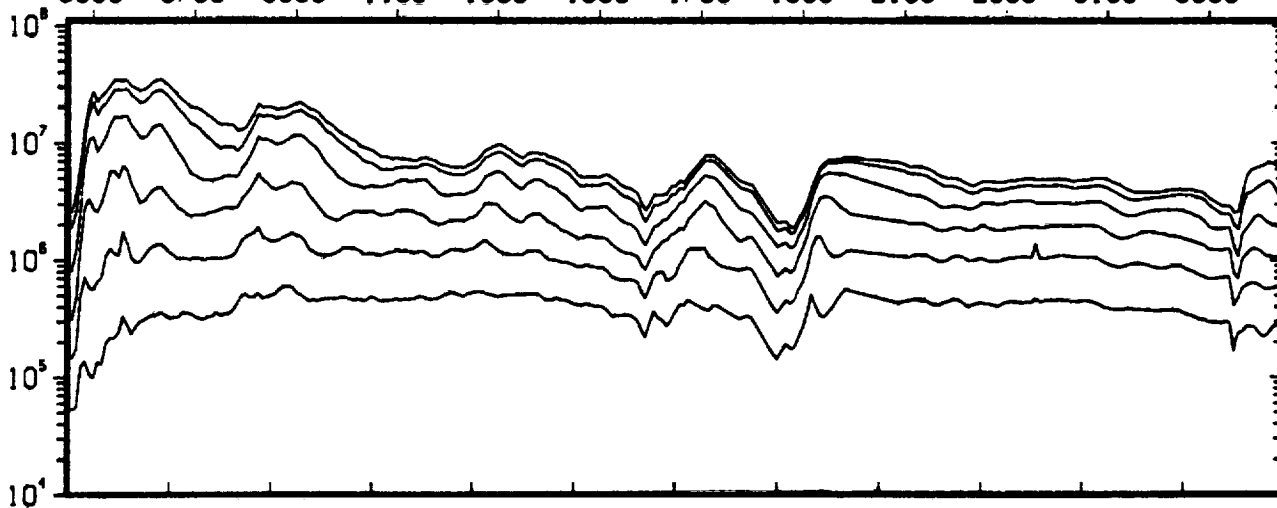
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

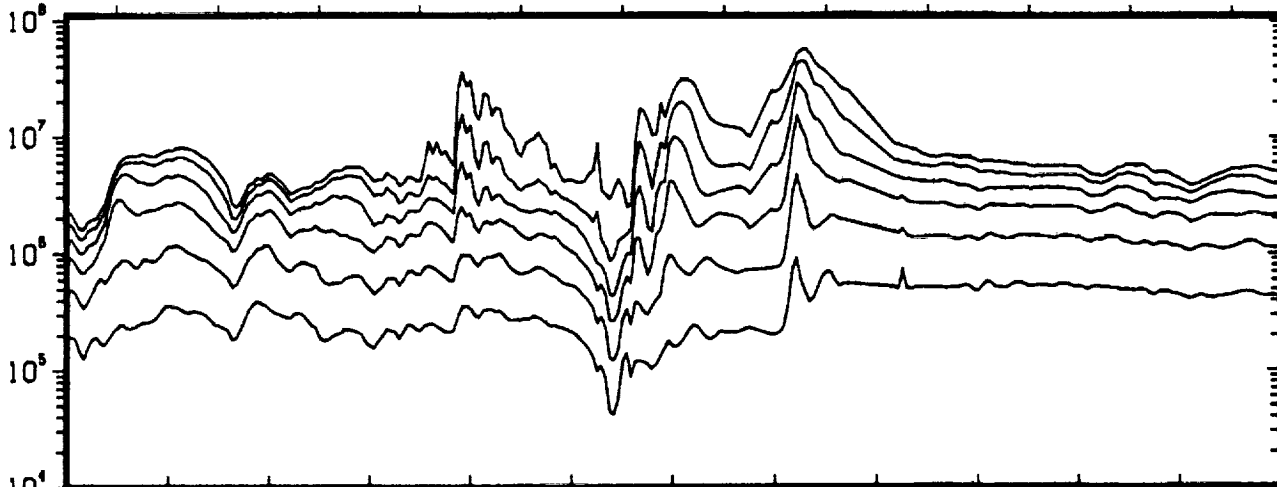
83/06/20

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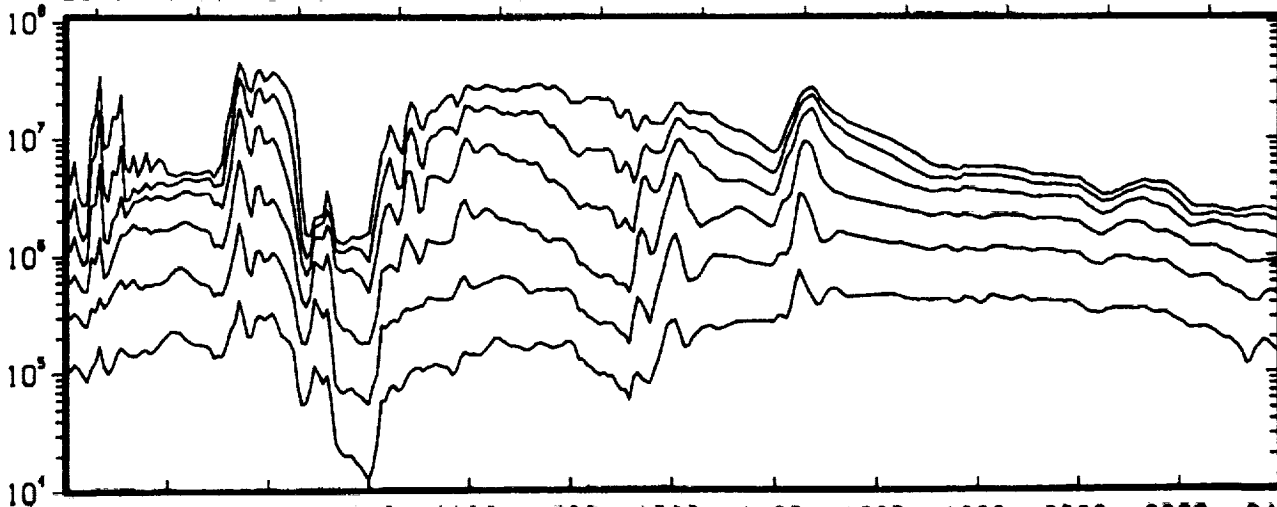
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



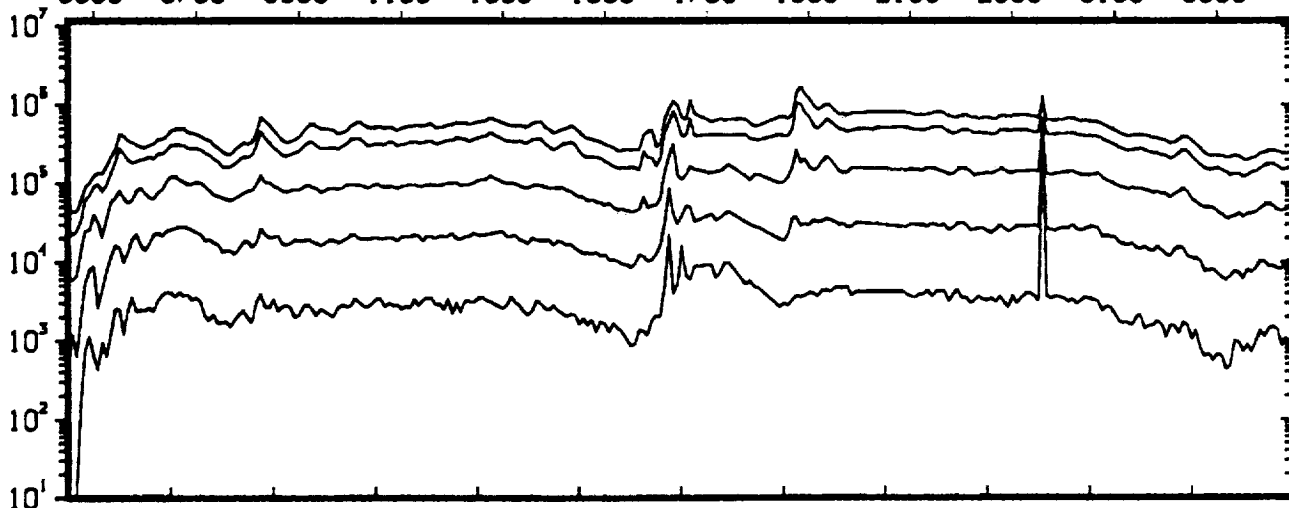
INTEGRAL FLUX -  $\text{CM}^{-2} \text{ S}^{-1} \text{ SR}^{-1}$

# LOW ENERGY IONS

1977-007

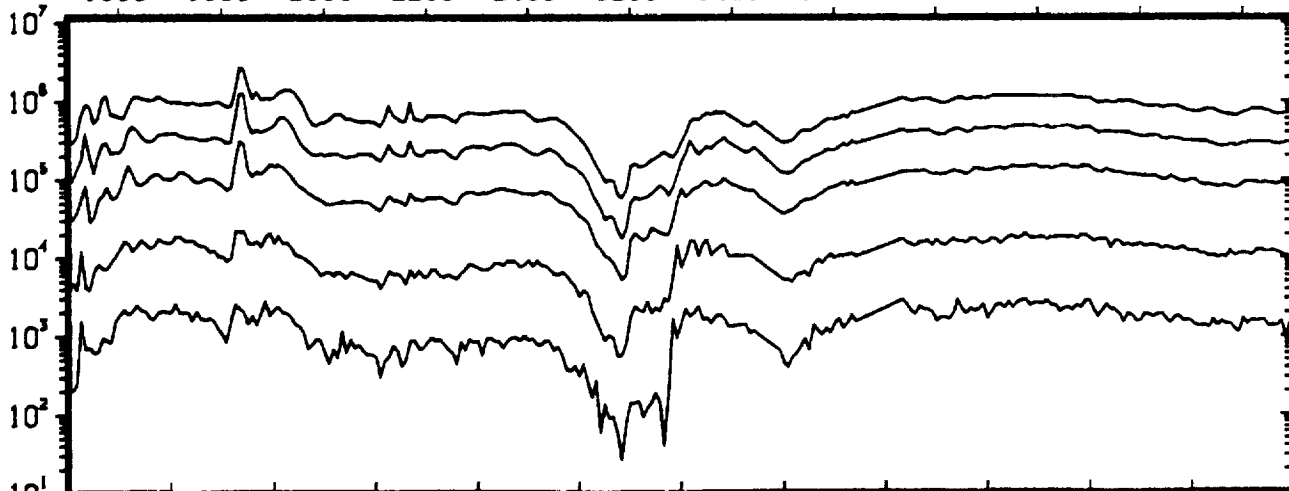
83/06/20

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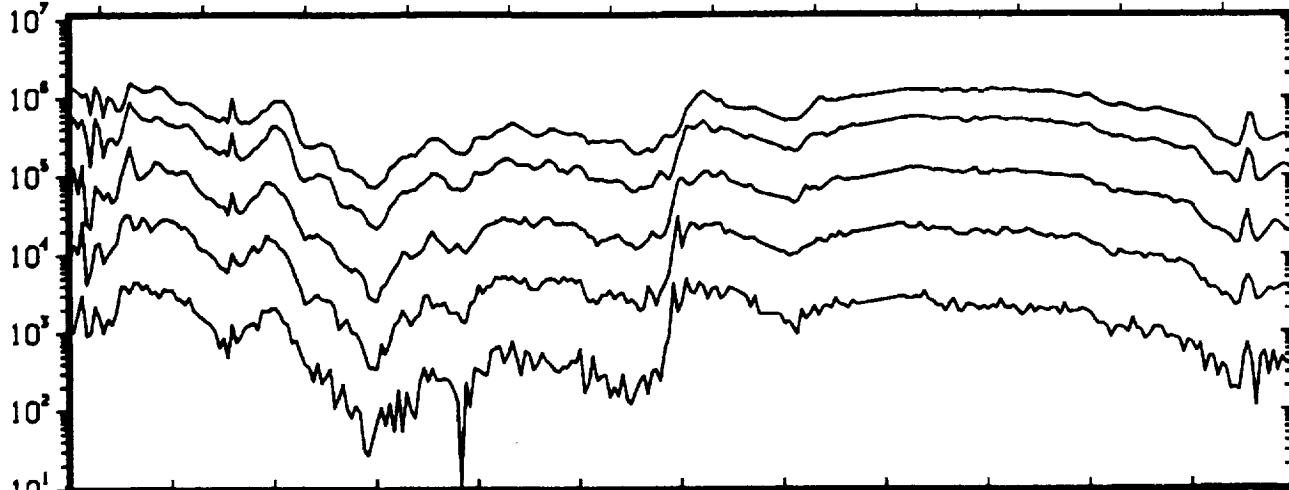
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



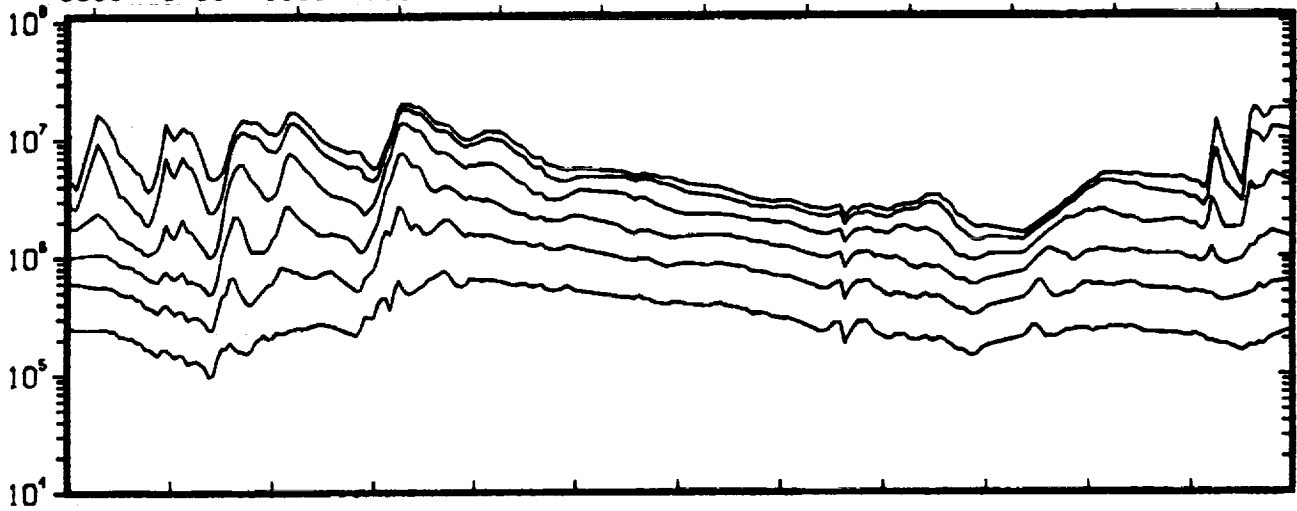
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

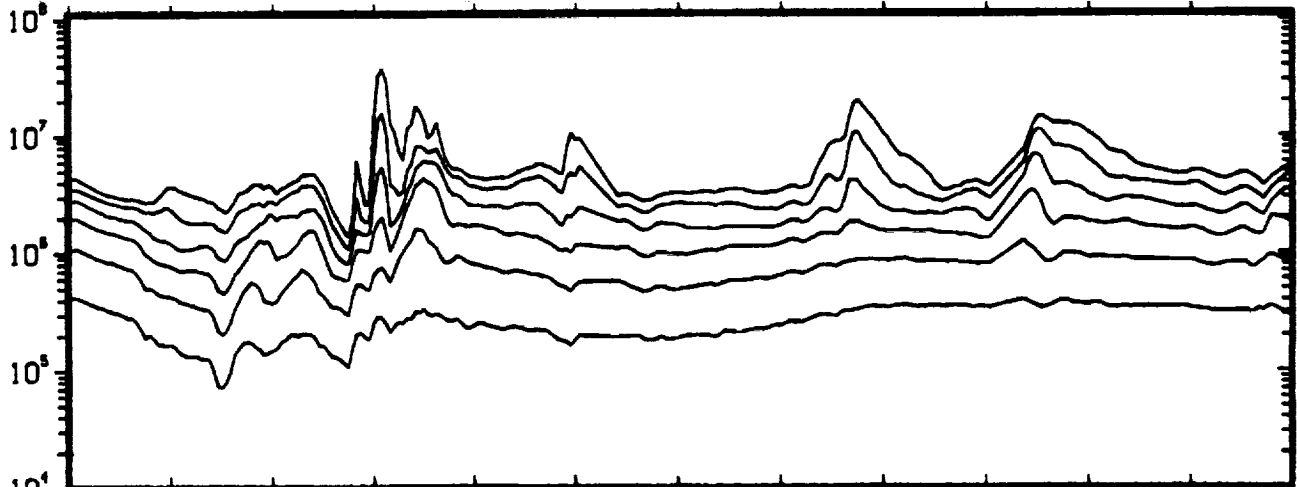
83/06/21

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



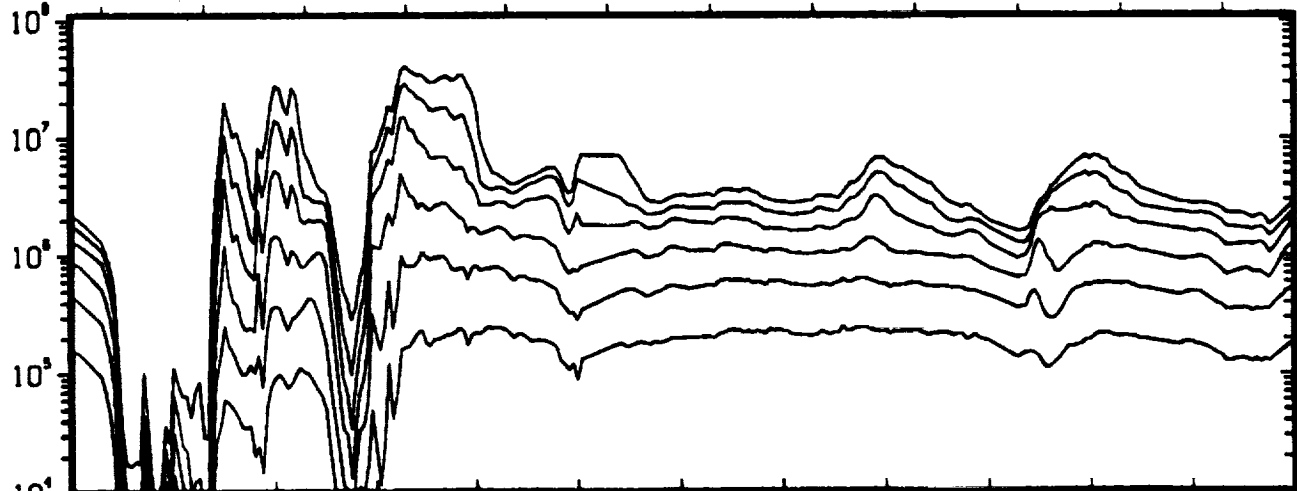
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

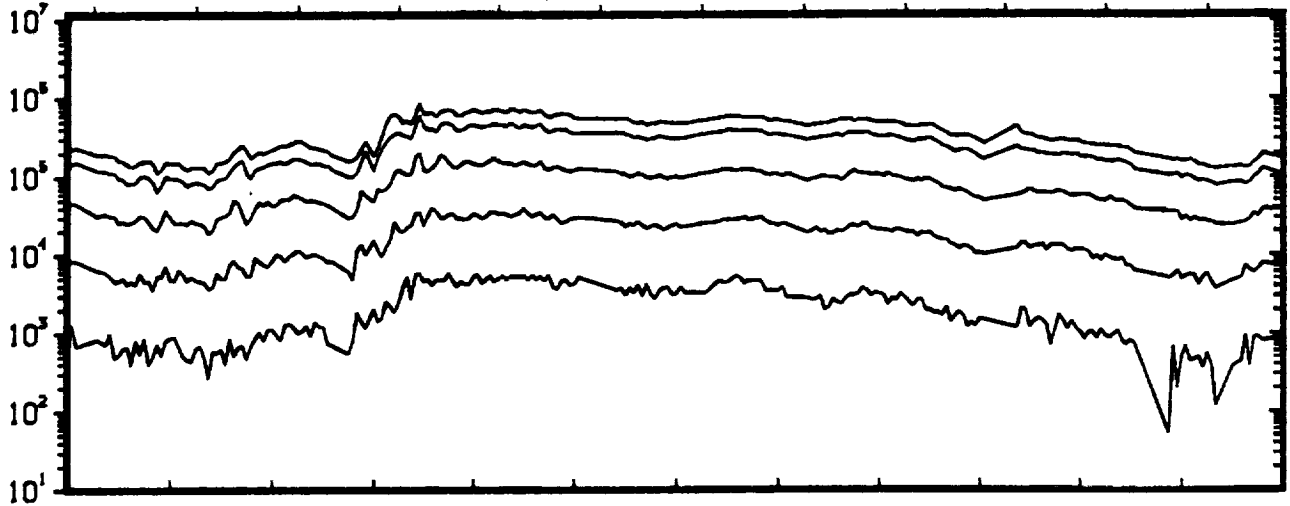


# LOW ENERGY IONS

1977-007

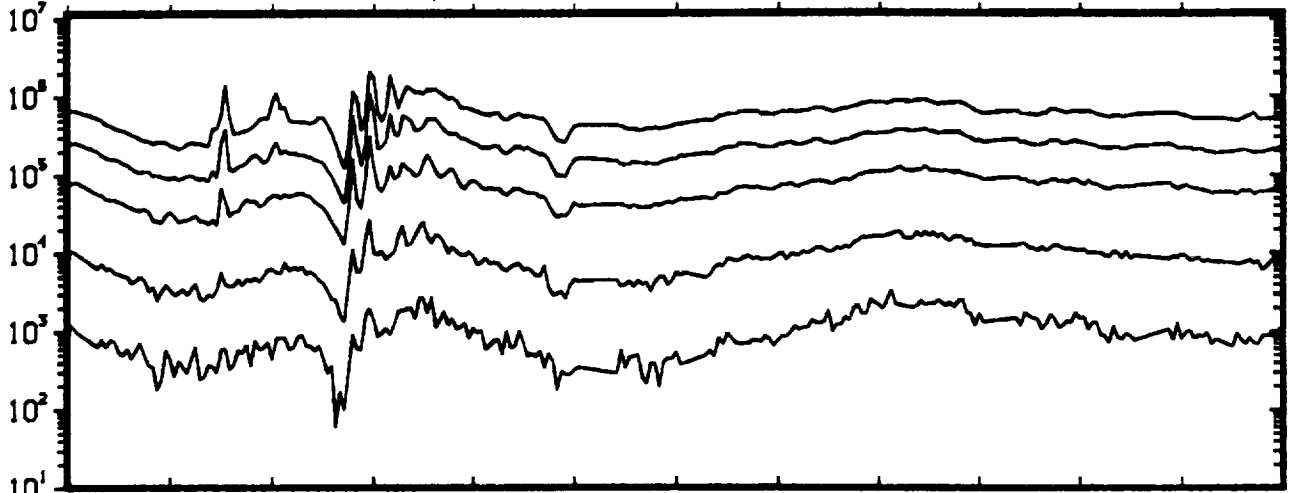
83/06/21

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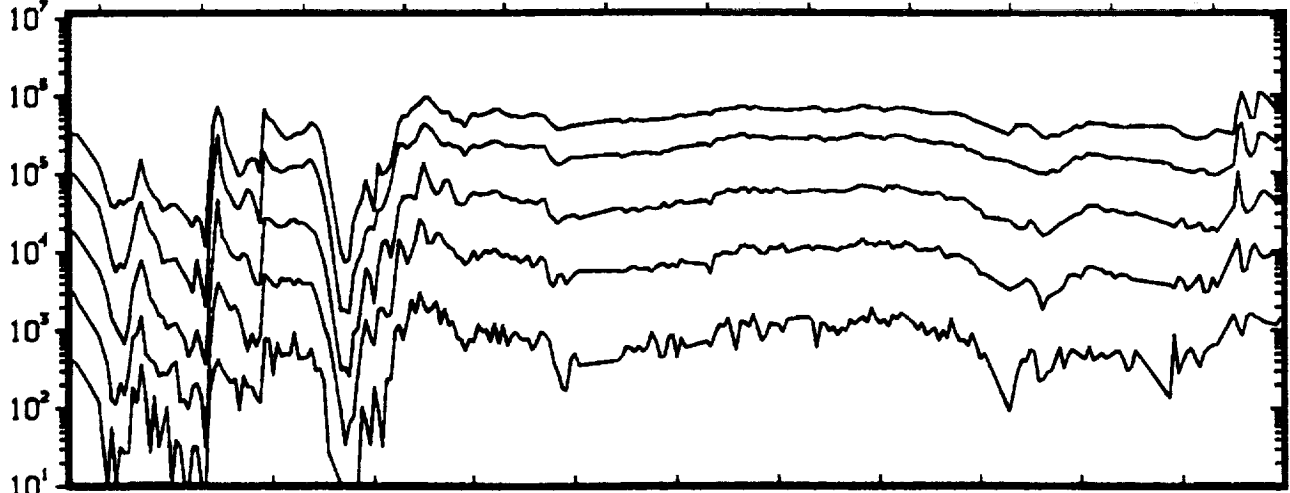
1981-025

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1982-019

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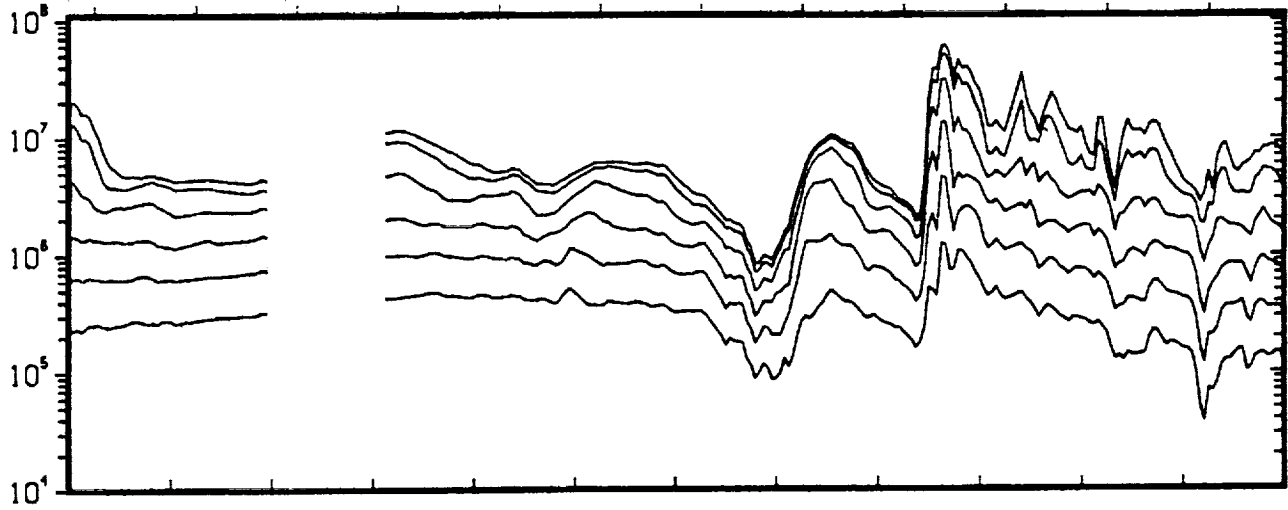
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

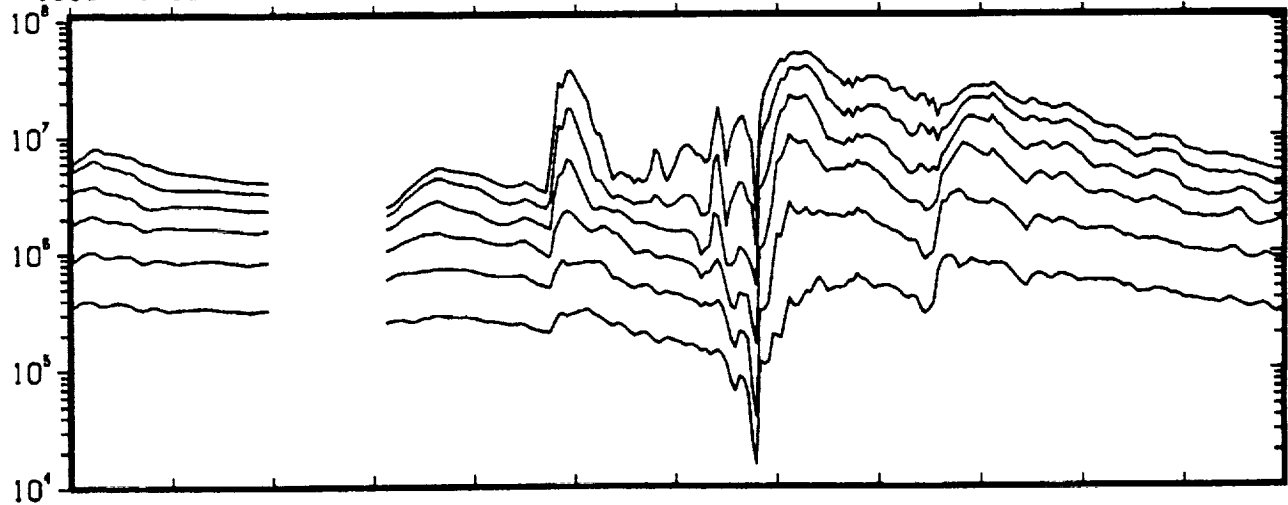
83/06/22

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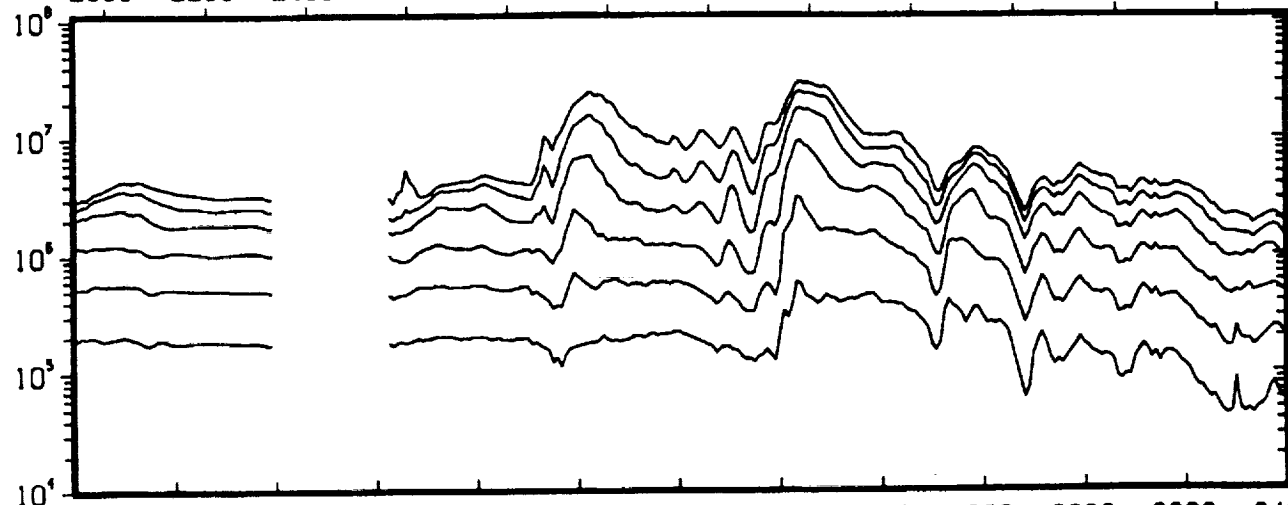
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1982-019

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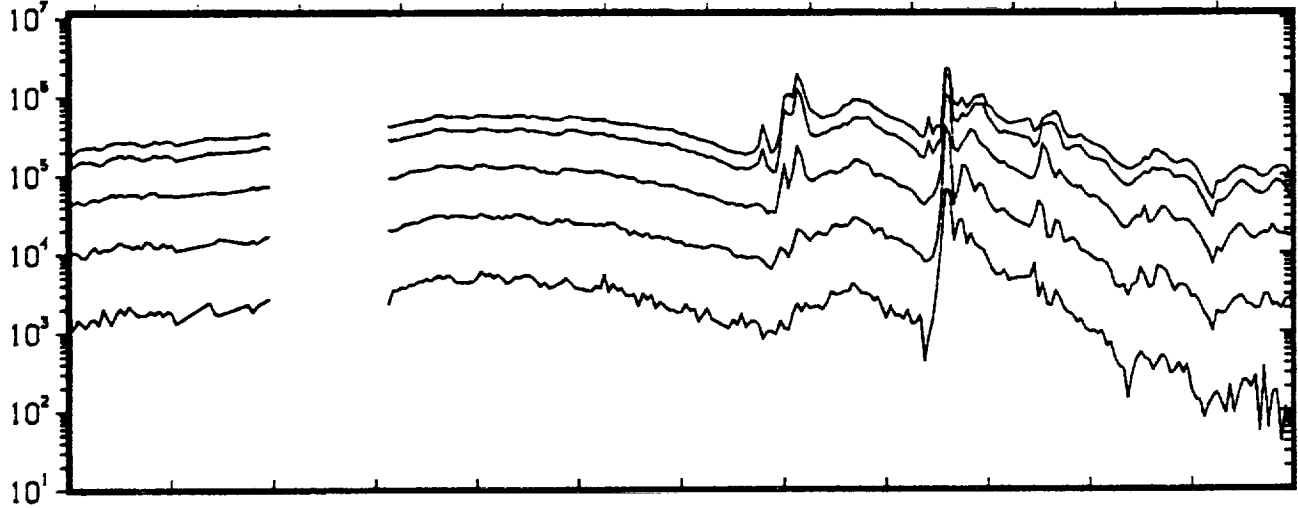
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

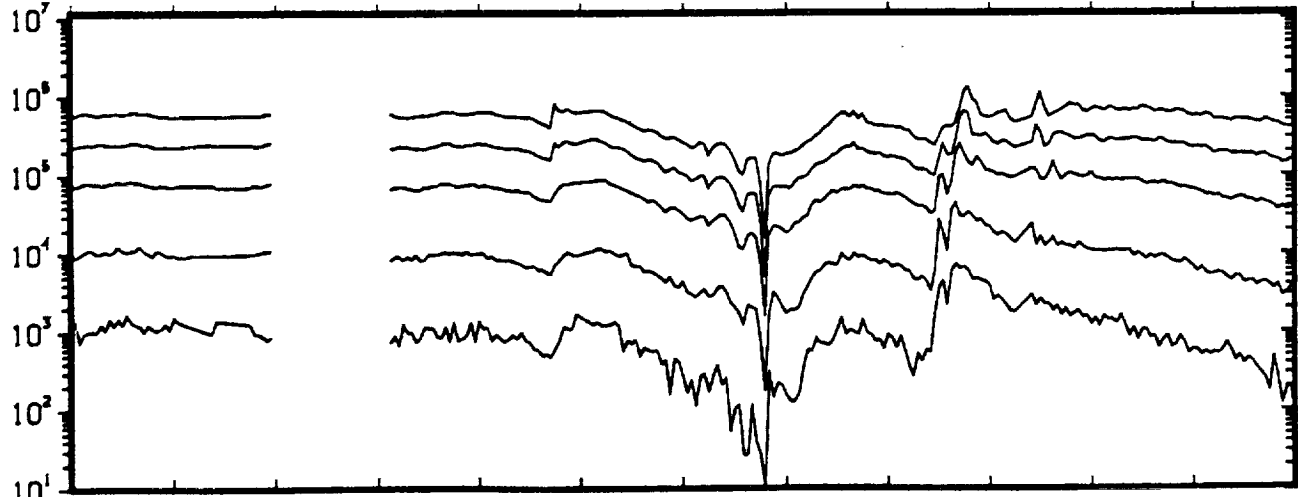
83/06/22

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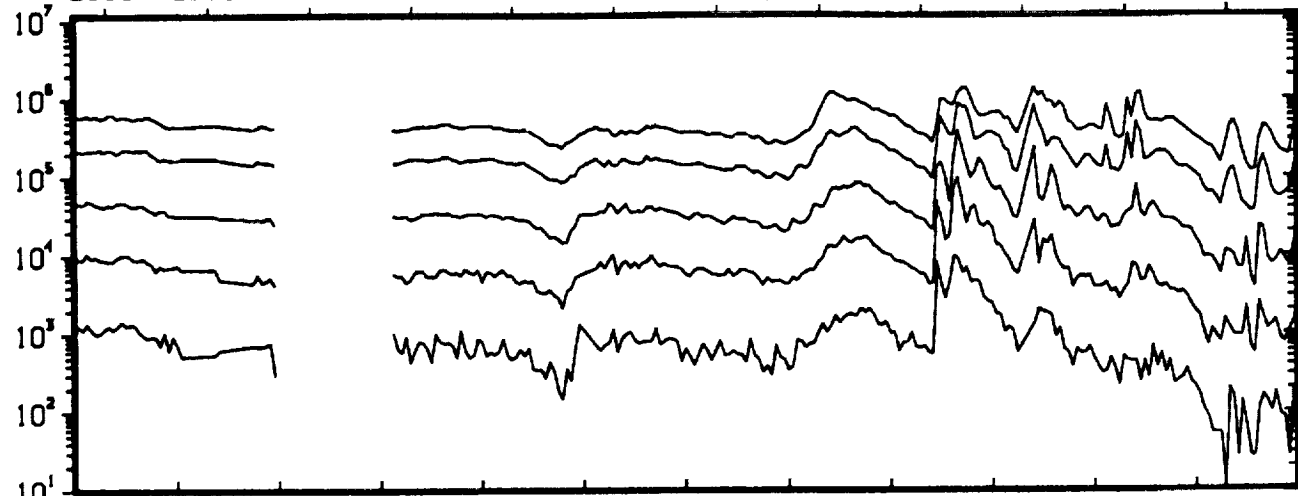
1981-025

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1982-019

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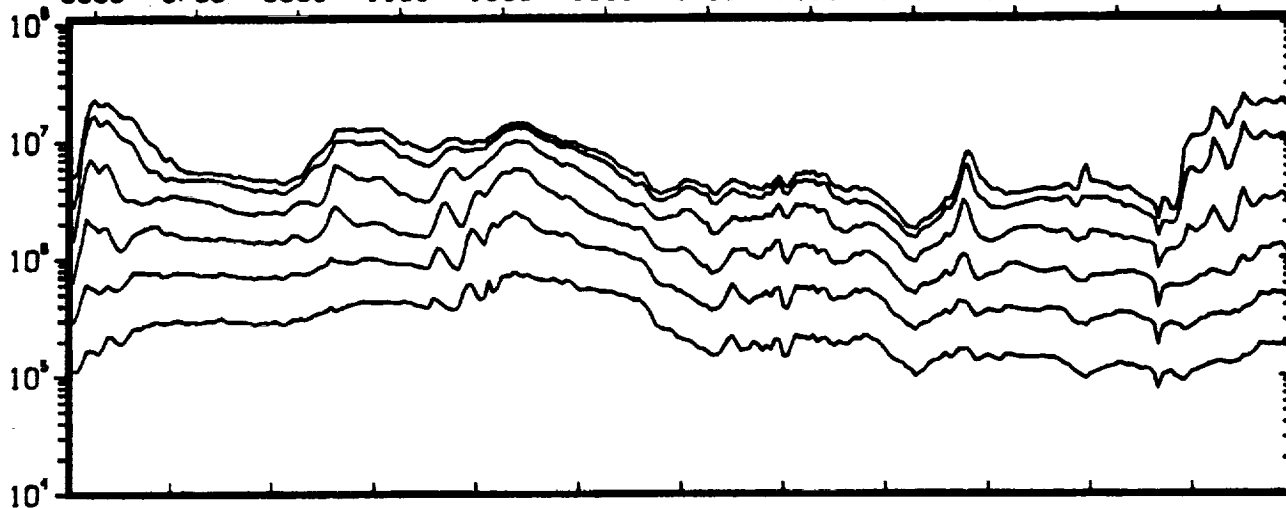
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

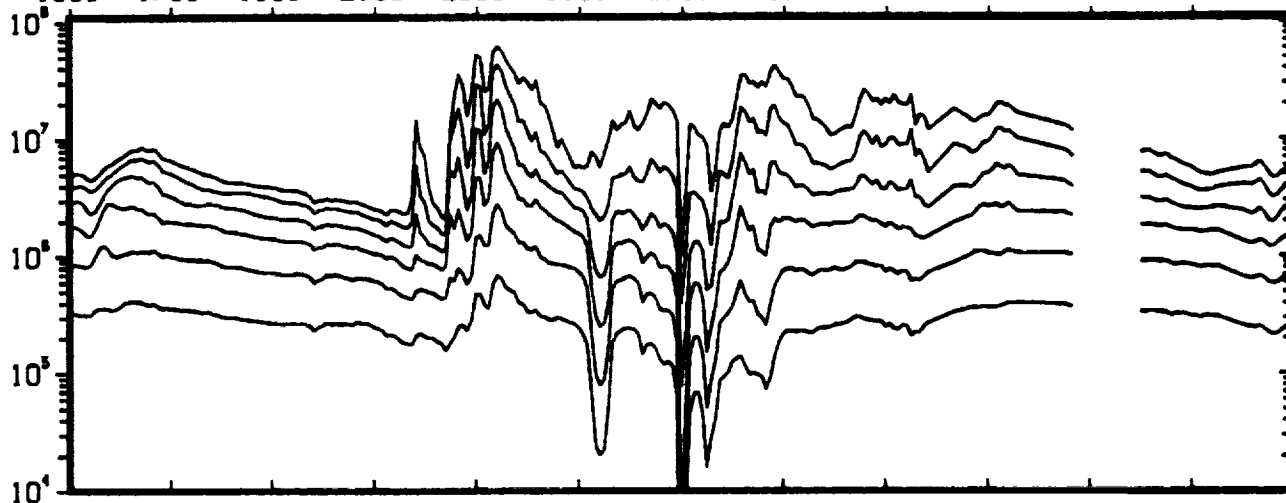
83/06/23

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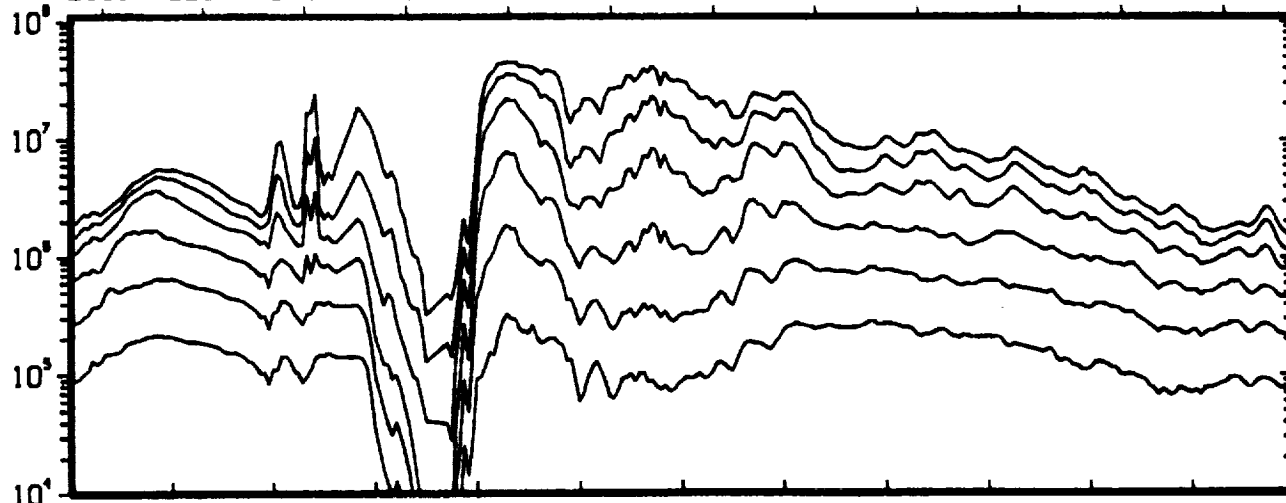
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

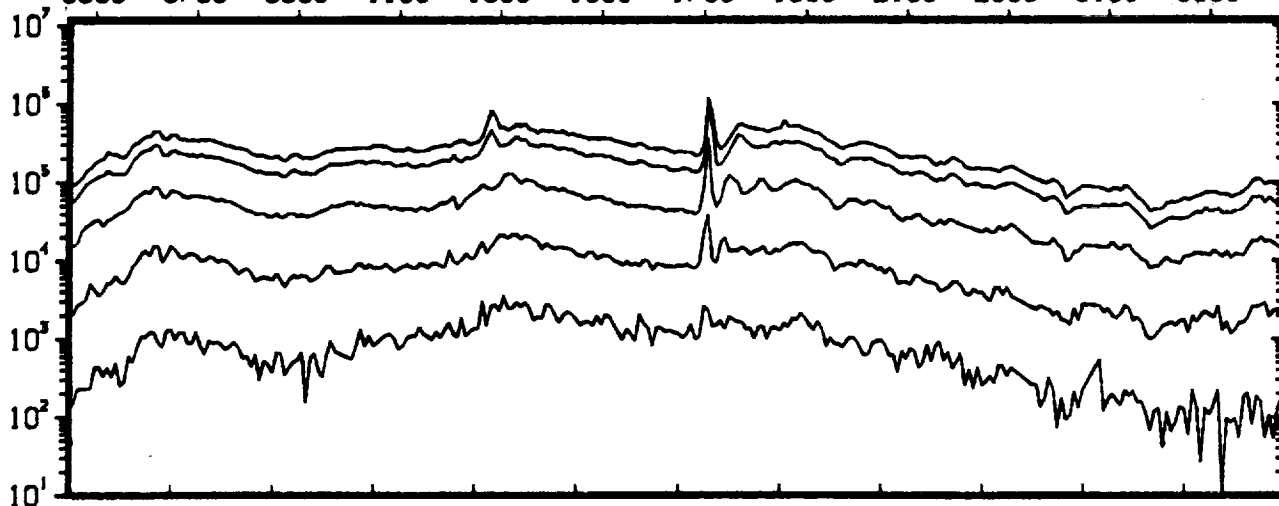
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# LOW ENERGY IONS

1977-007

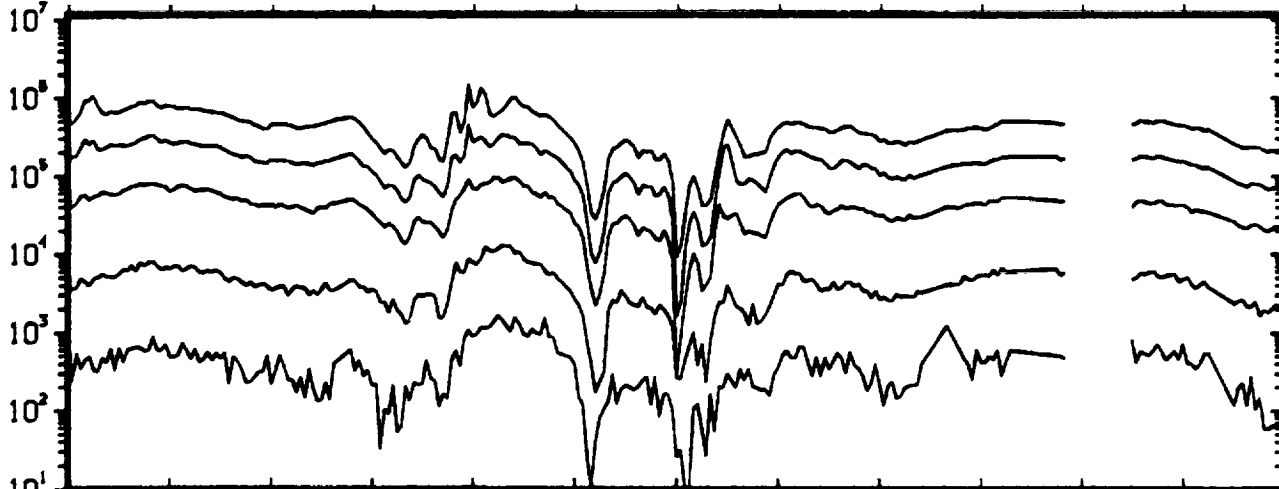
83/06/23

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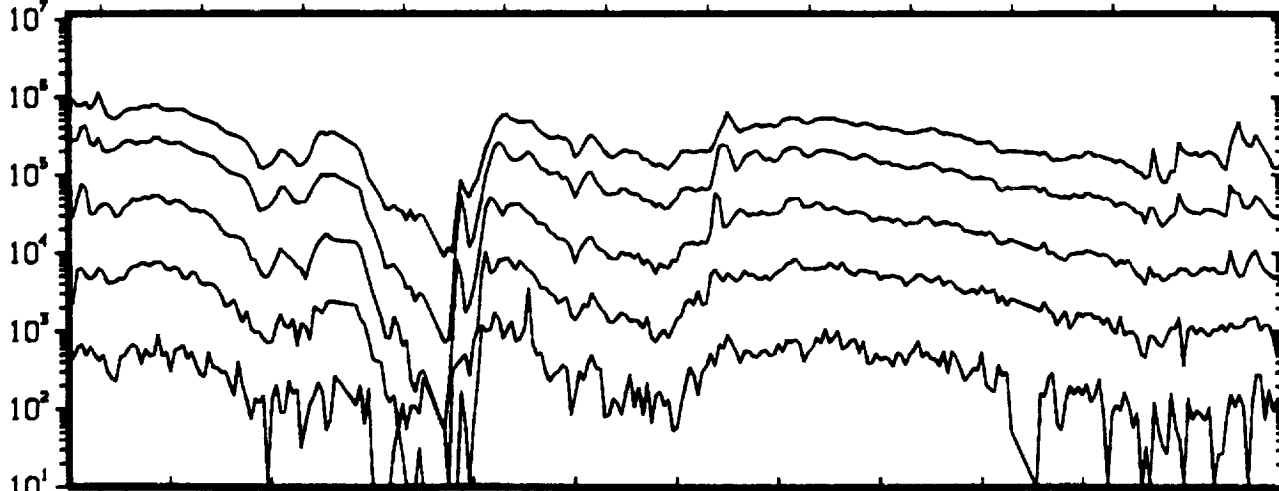
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



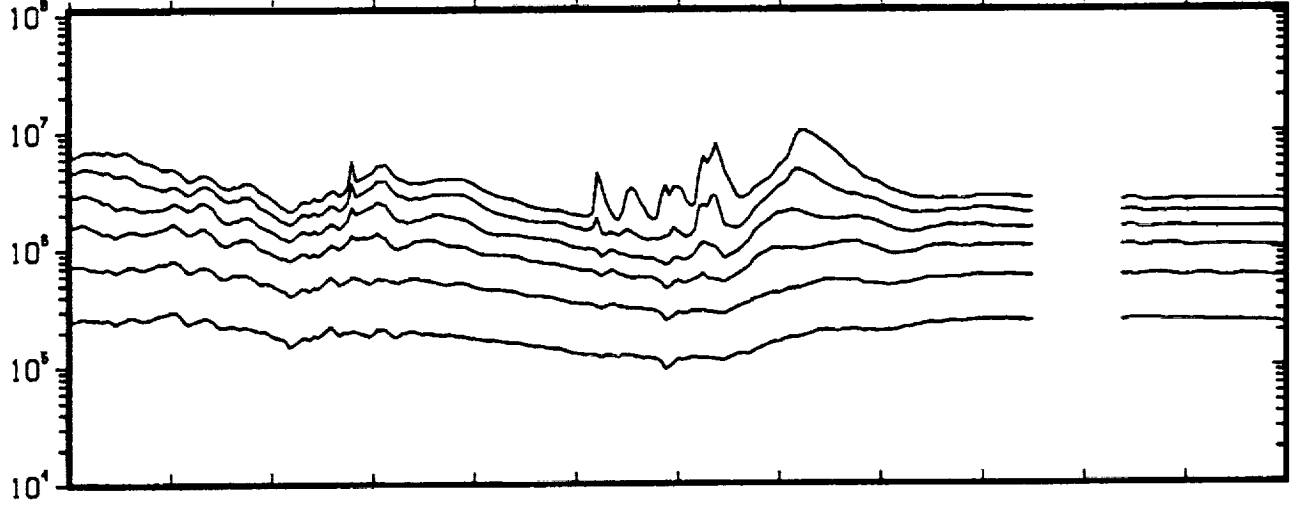
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1981-025

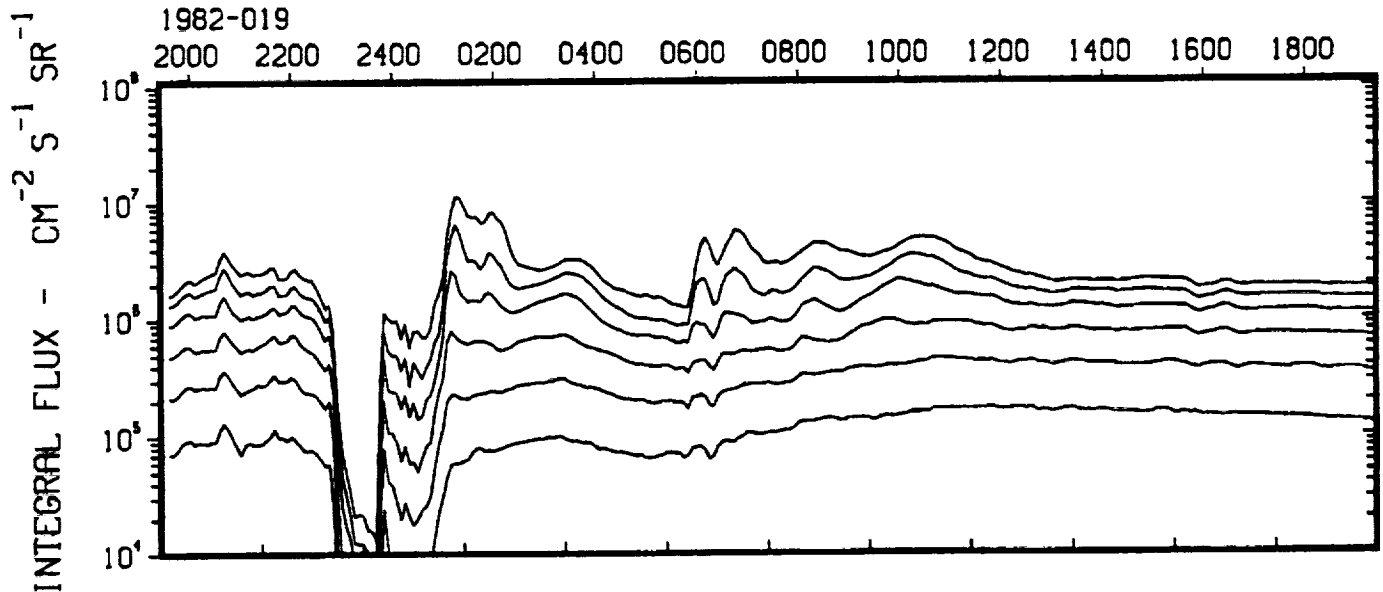
83/06/24

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



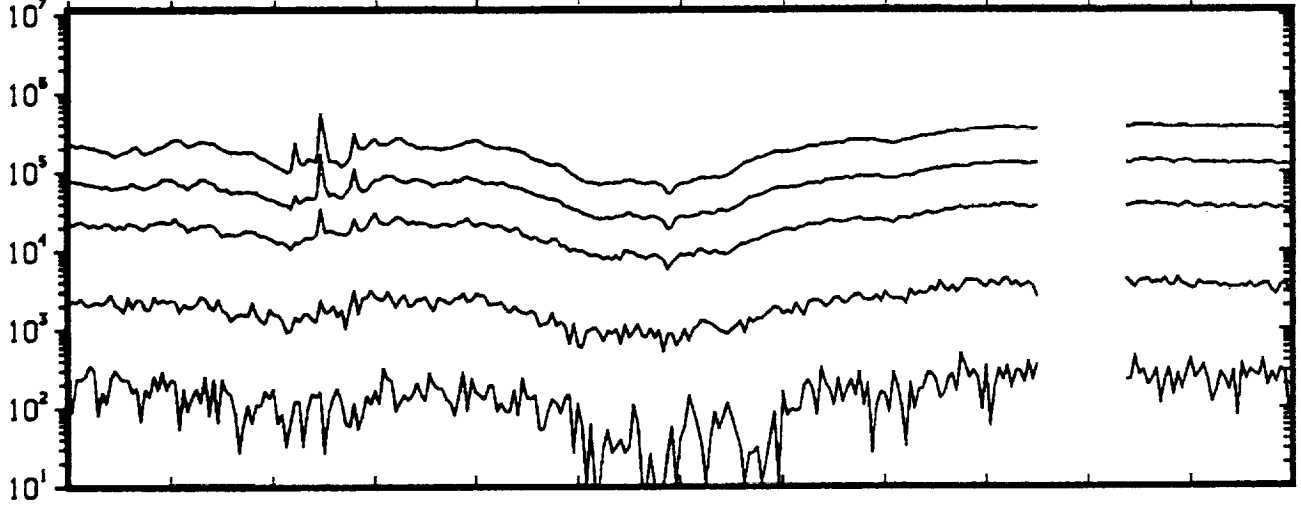
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1981-025

83/06/24

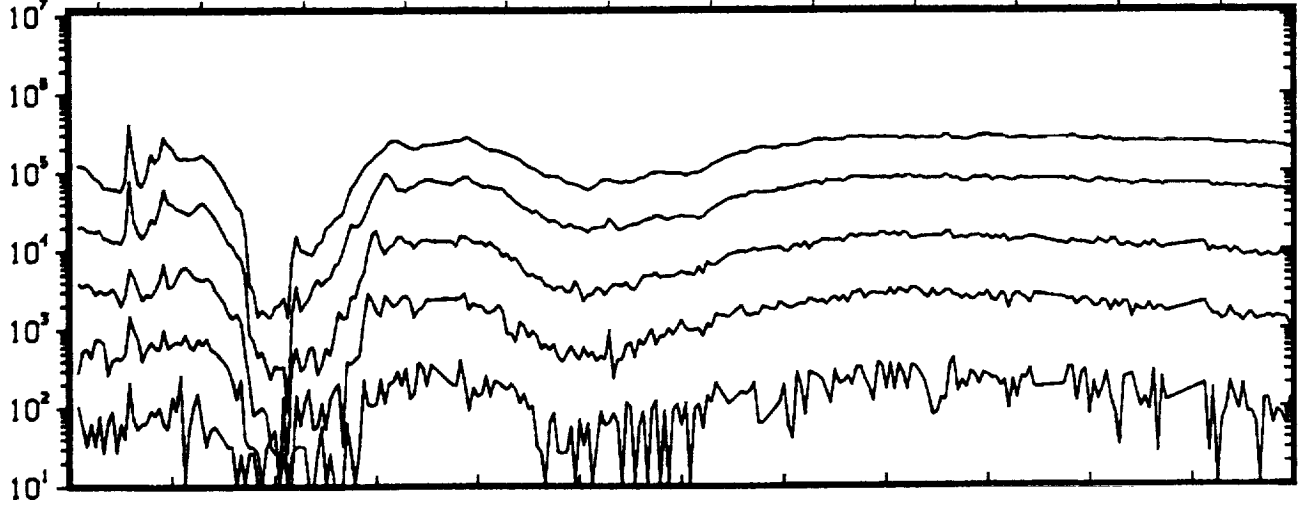
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

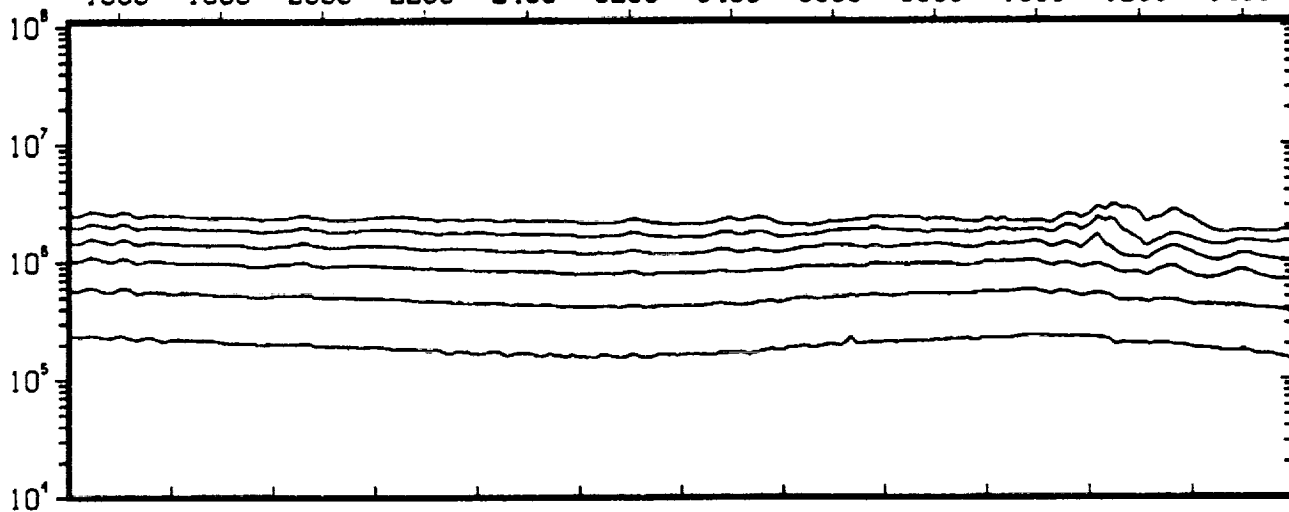


# LOW ENERGY ELECTRONS

1981-025

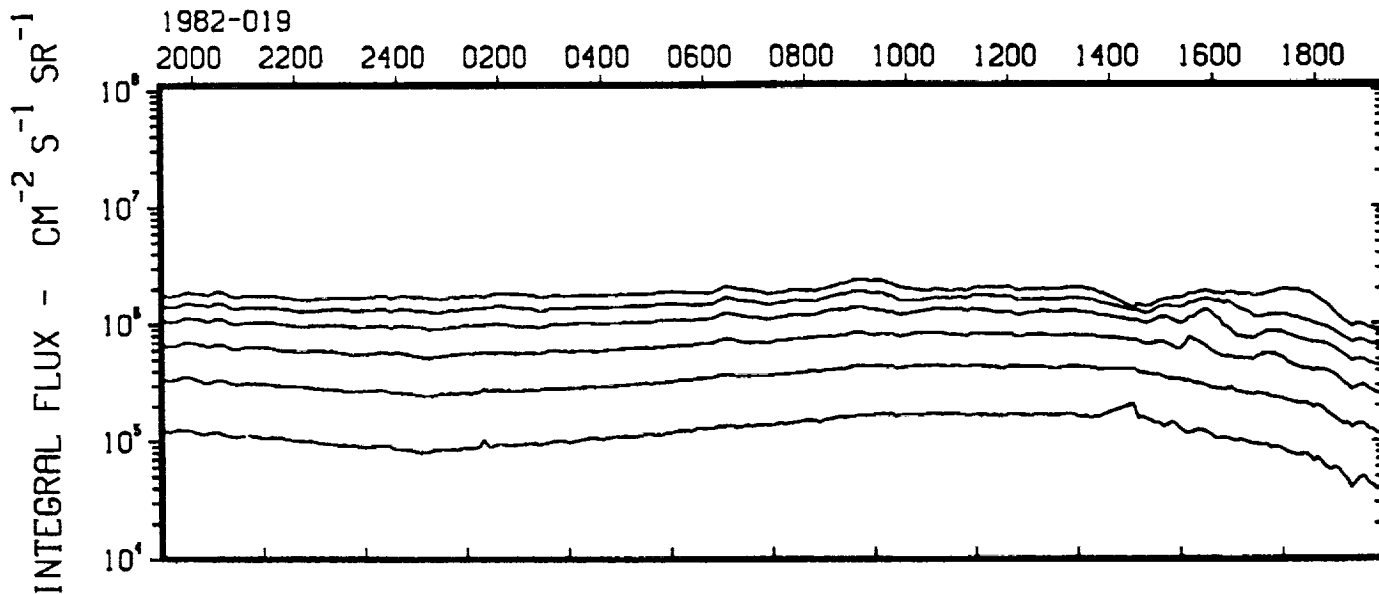
83/06/25

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

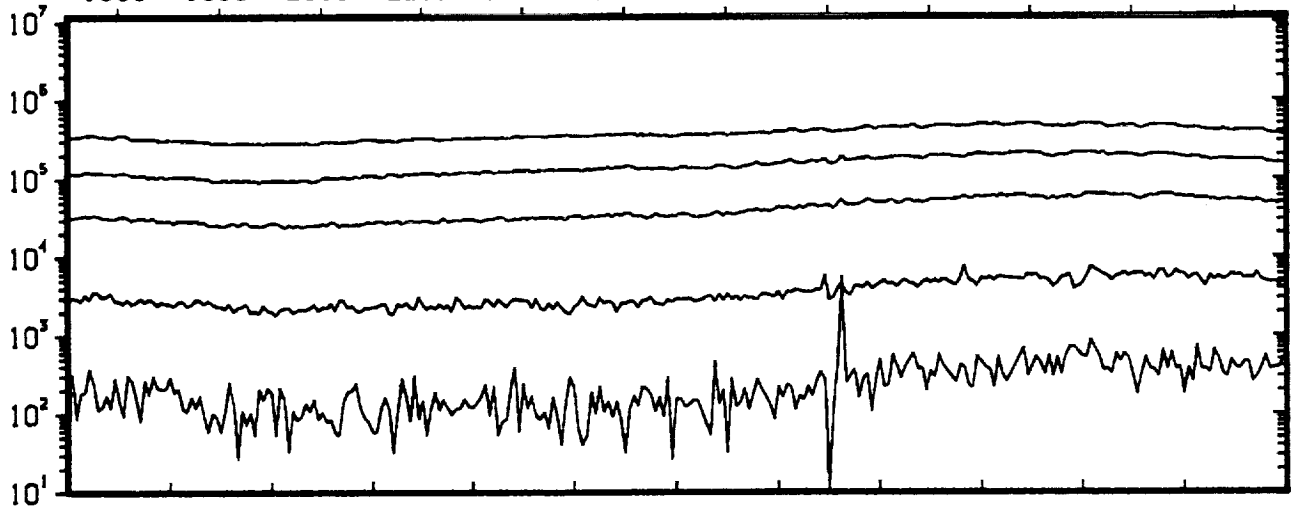


# LOW ENERGY IONS

1981-025

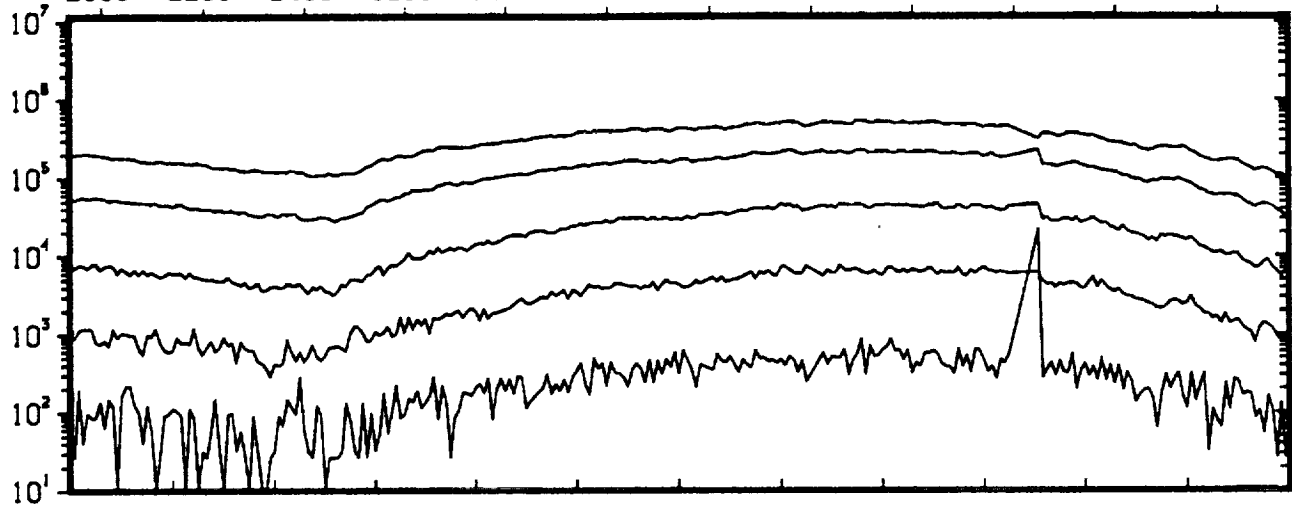
83/06/25

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1982-019

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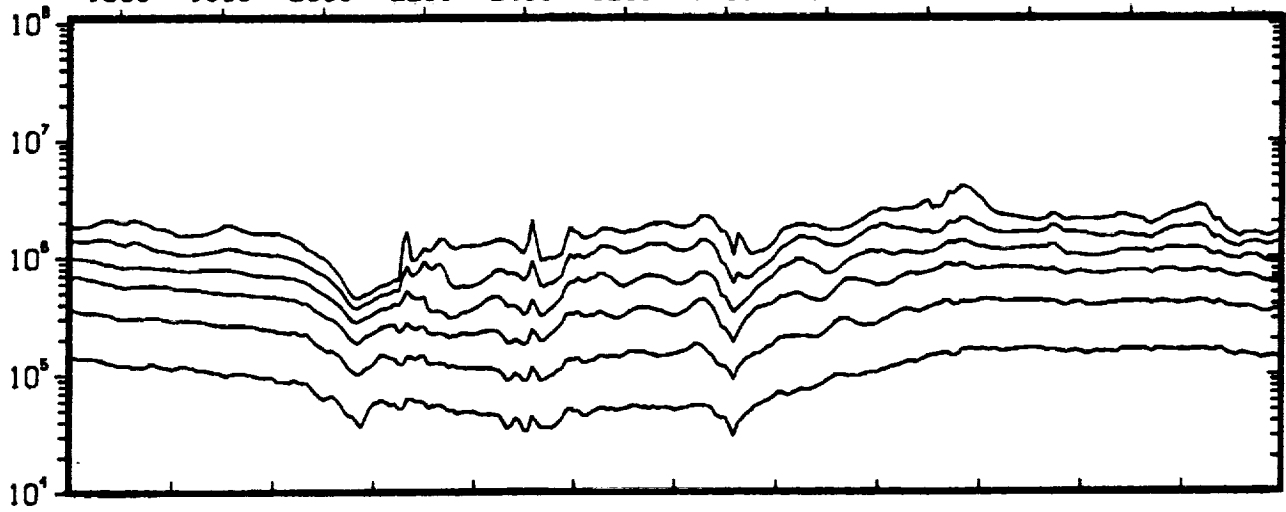
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1981-025

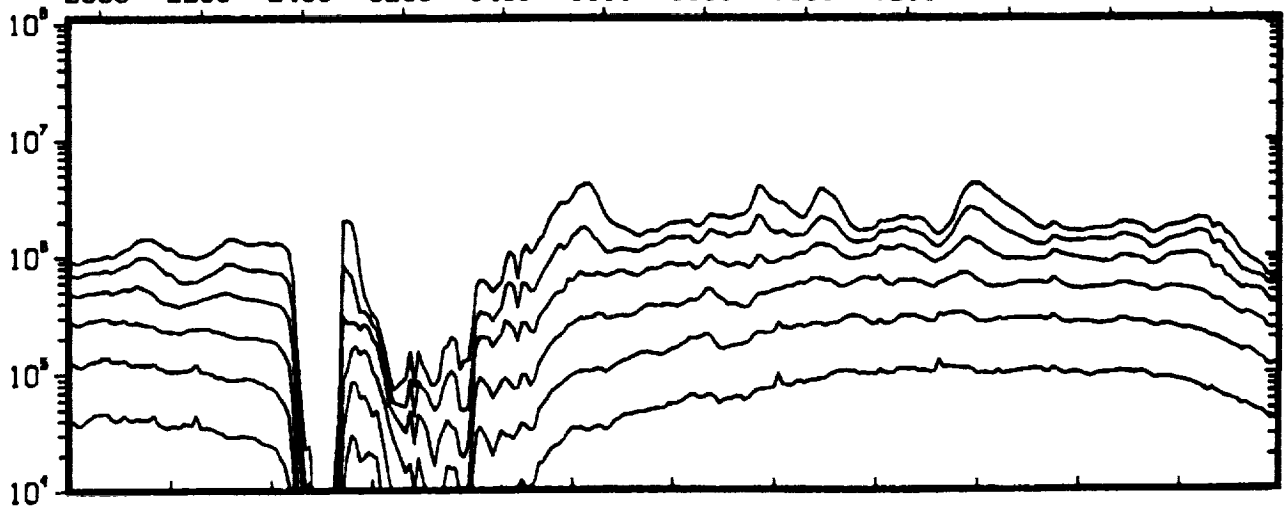
83/06/26

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



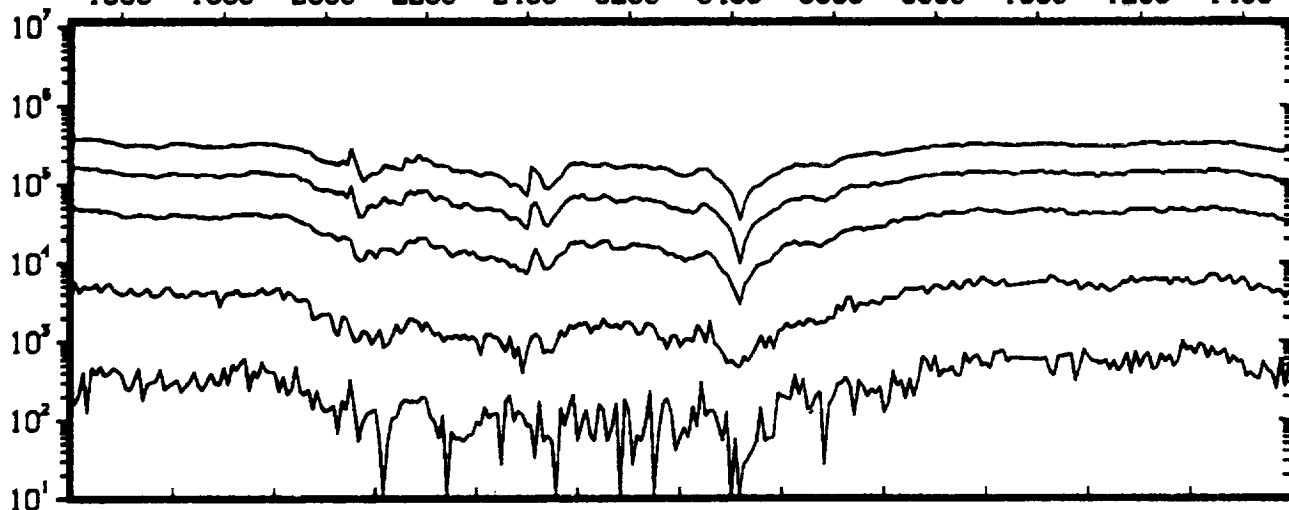
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1981-025

83/06/26

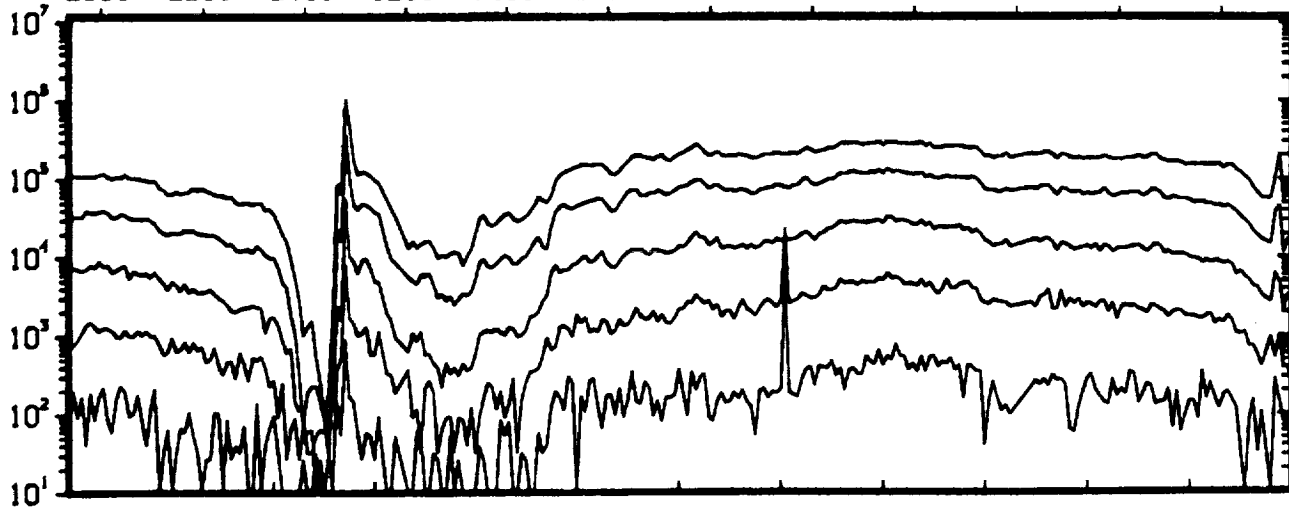
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

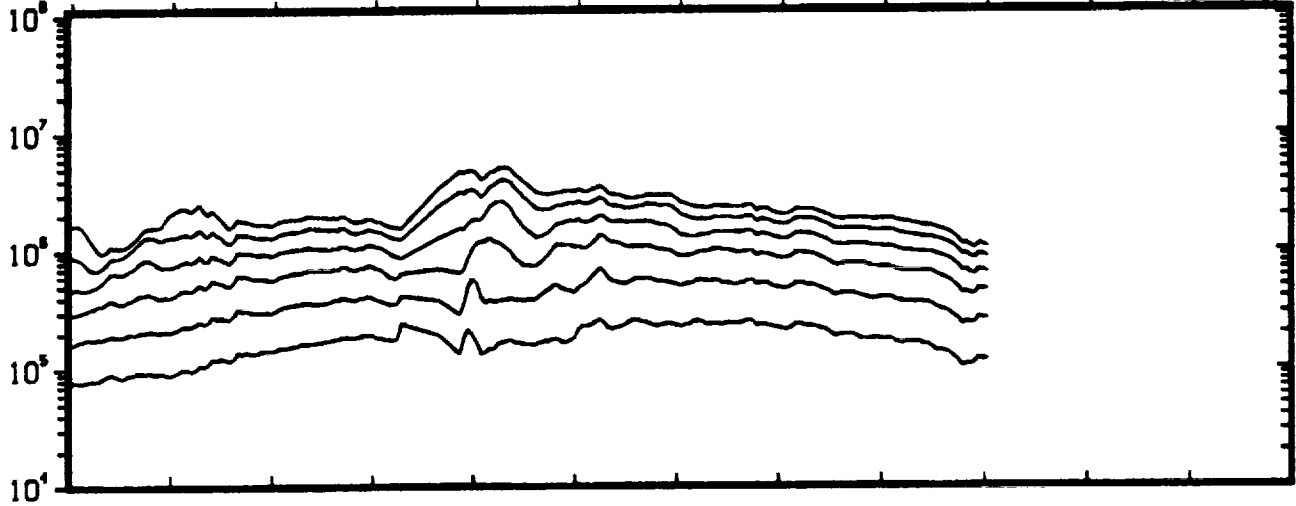


# LOW ENERGY ELECTRONS

1976-059

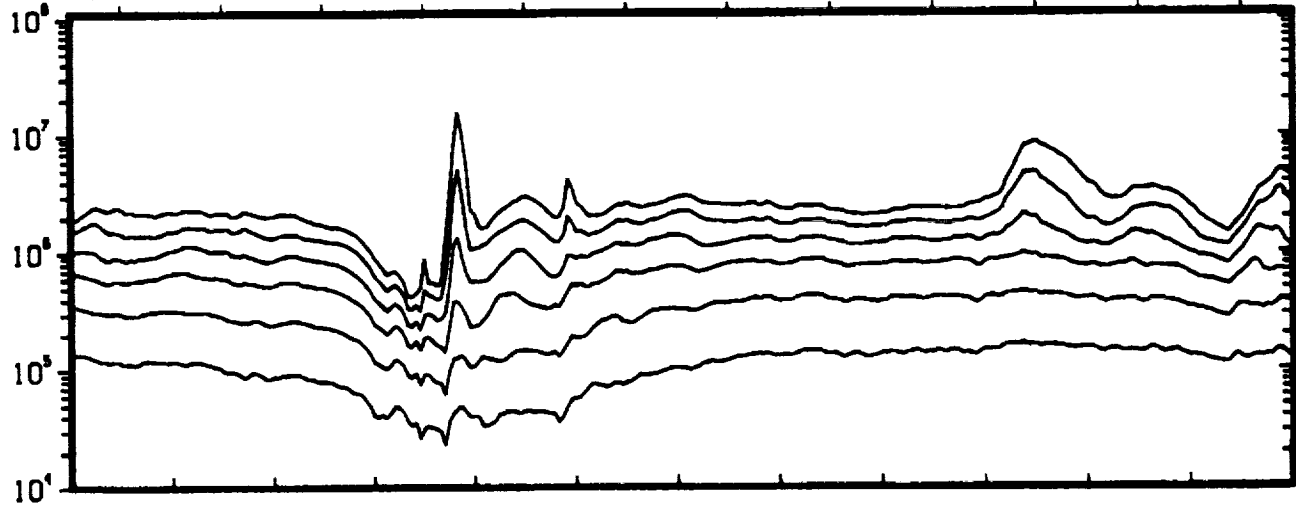
83/06/27

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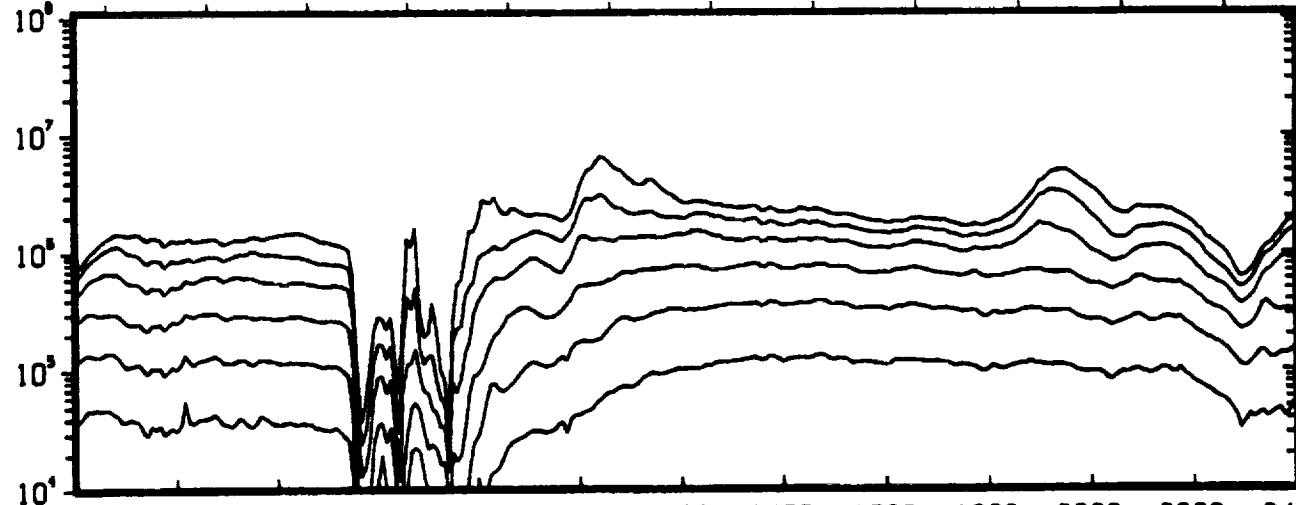
1981-025

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1982-019

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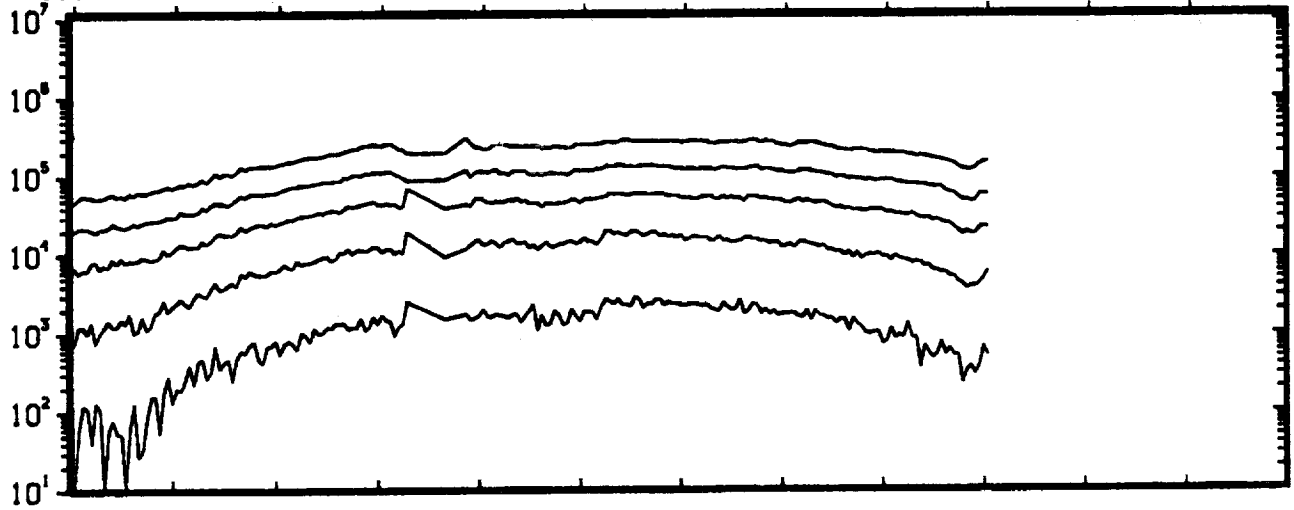
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1976-059

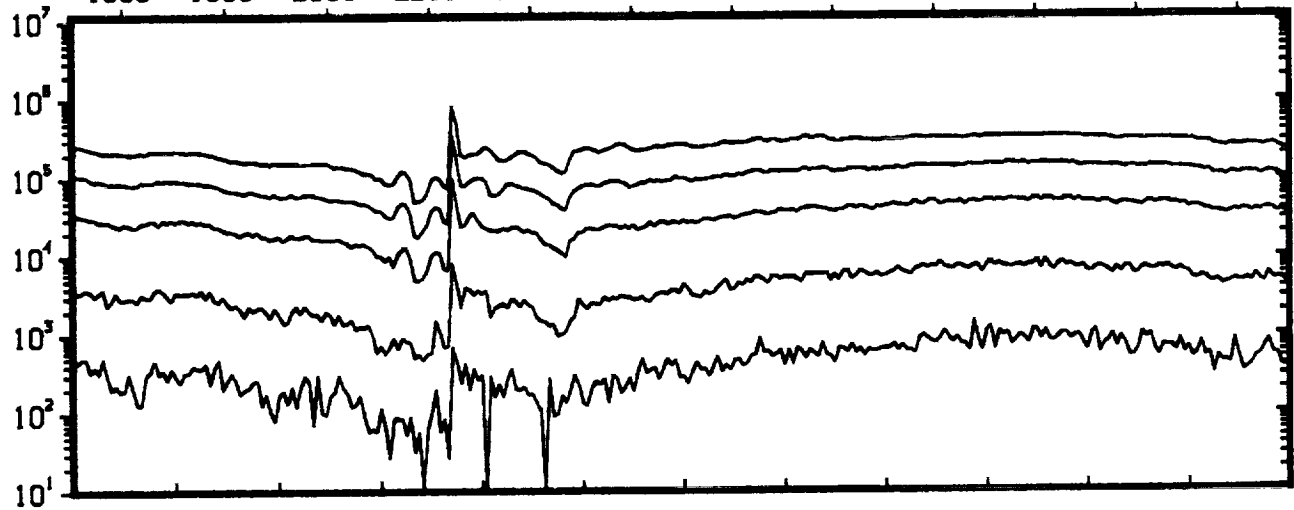
83/06/27

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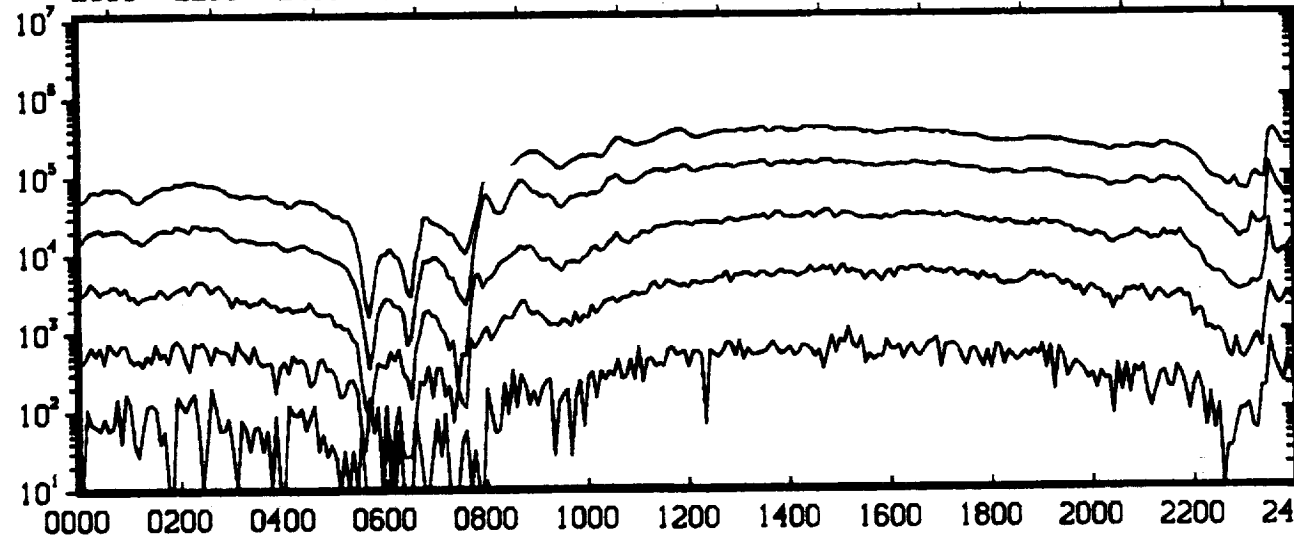
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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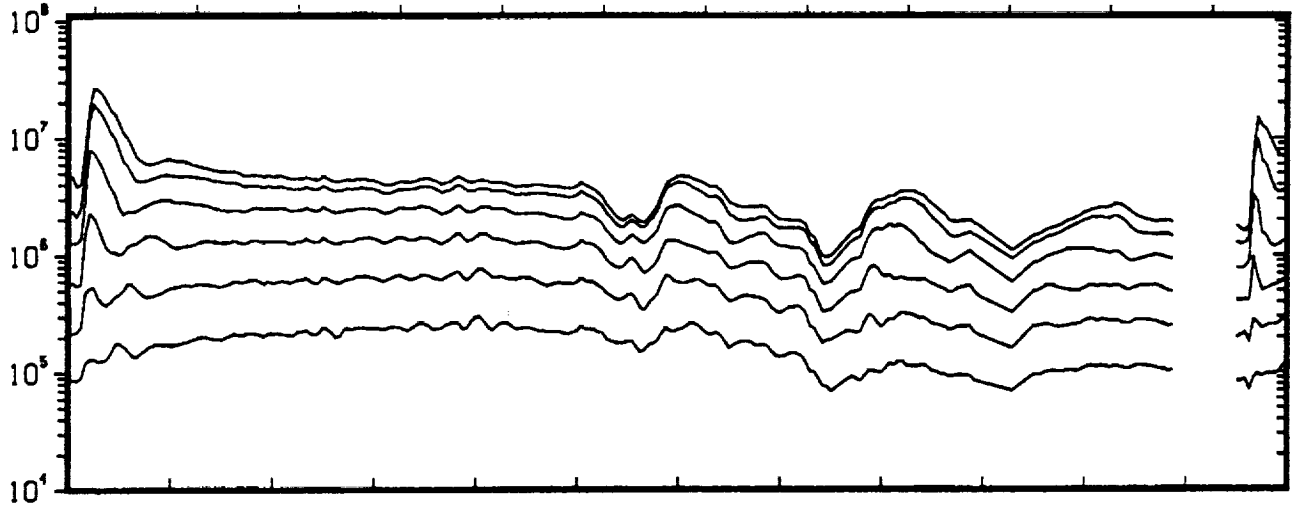
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

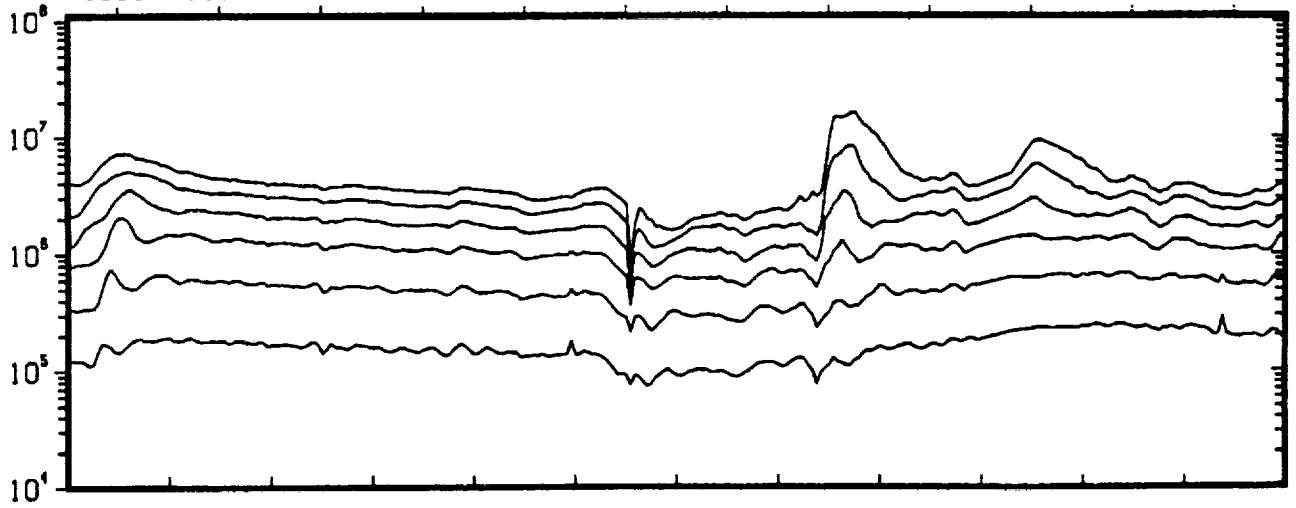
83/06/28

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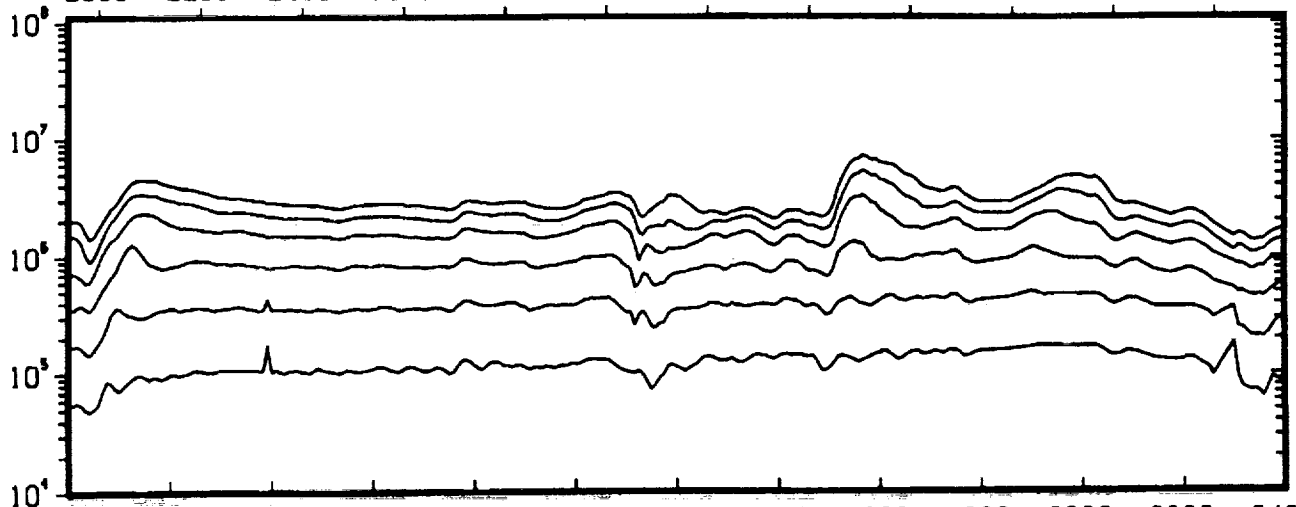
1981-025

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1982-019

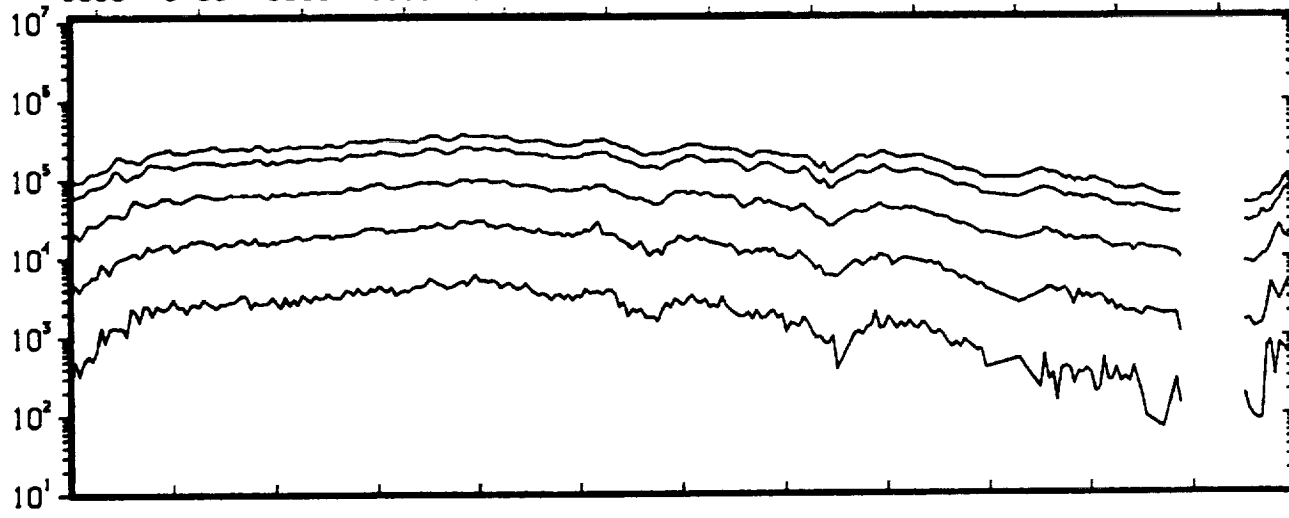
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

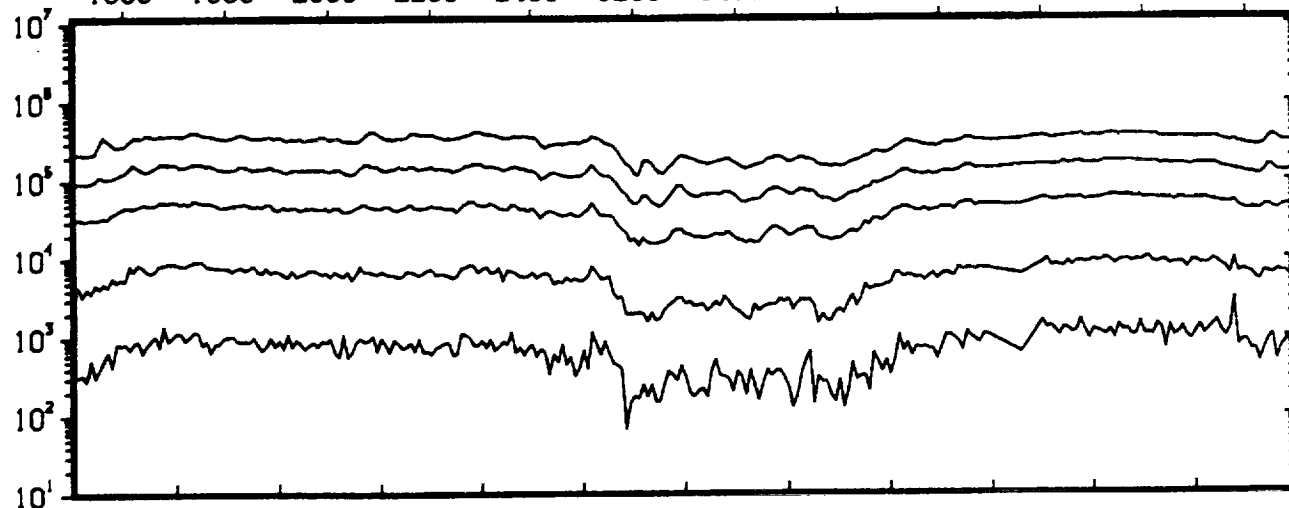
# LOW ENERGY IONS

1977-007 83/06/28  
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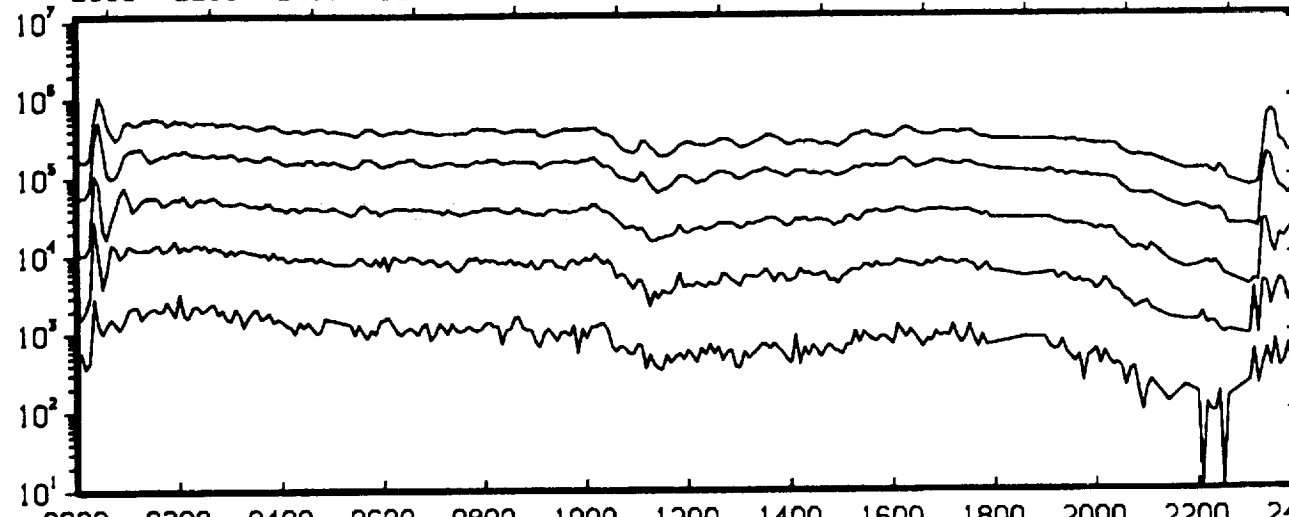


1981-025  
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019  
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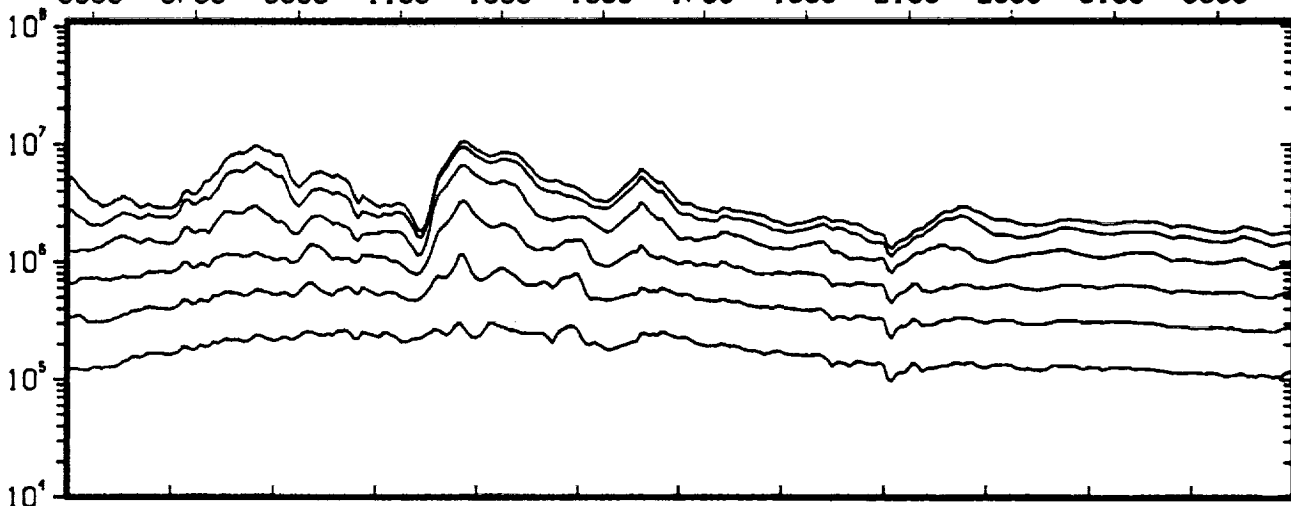
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# LOW ENERGY ELECTRONS

1977-007

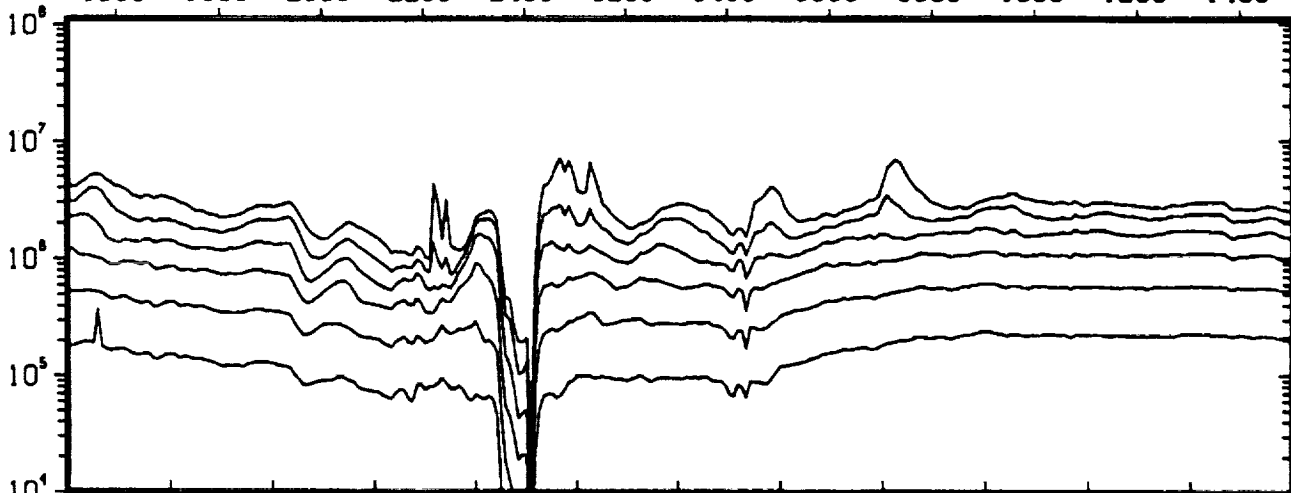
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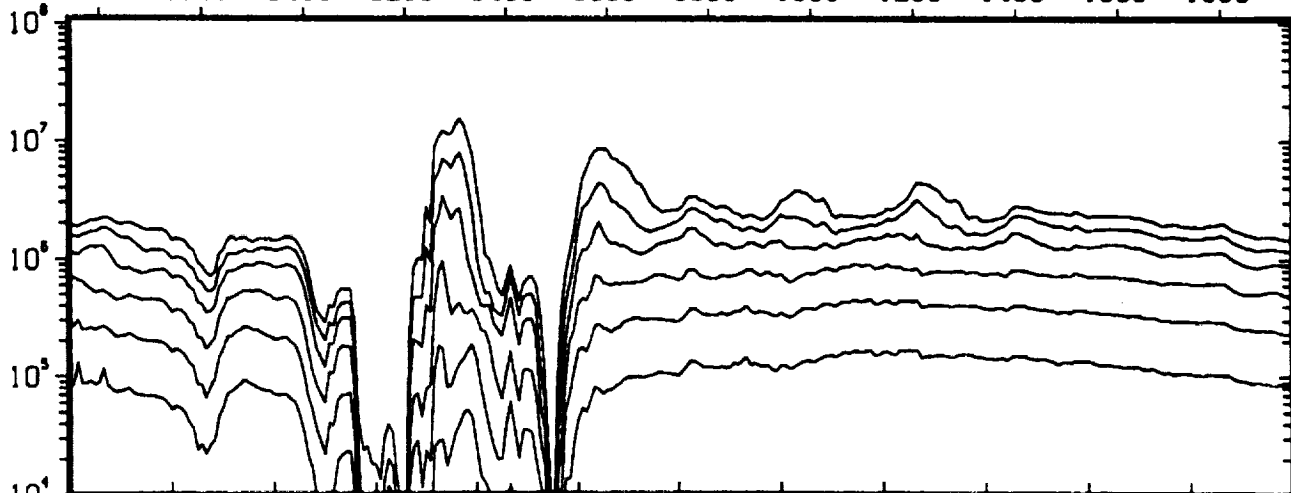
1981-025

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1982-019

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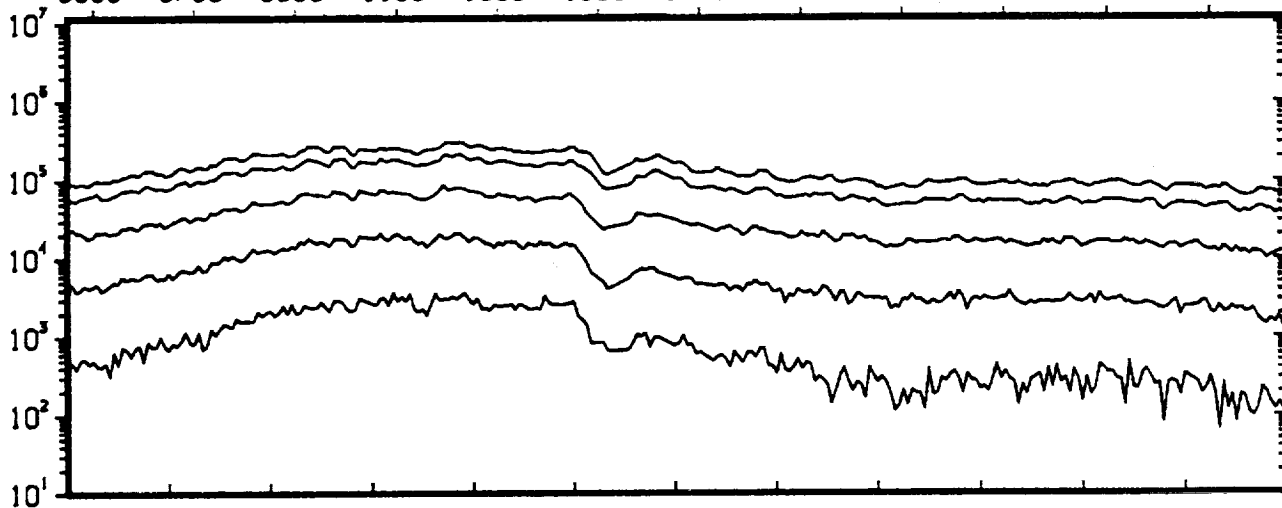


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



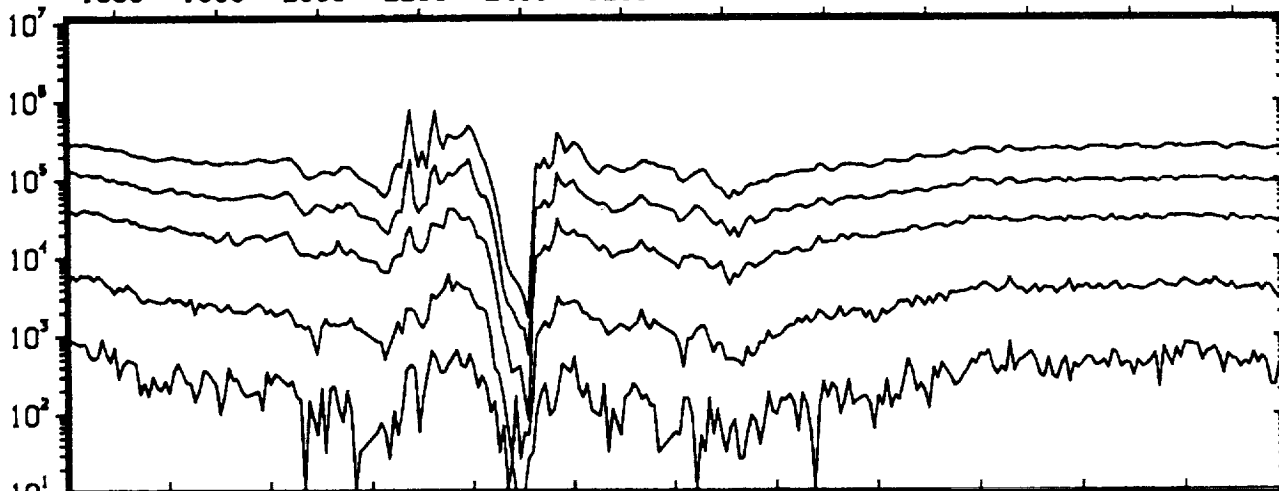
# LOW ENERGY IONS

1977-007 83/06/29  
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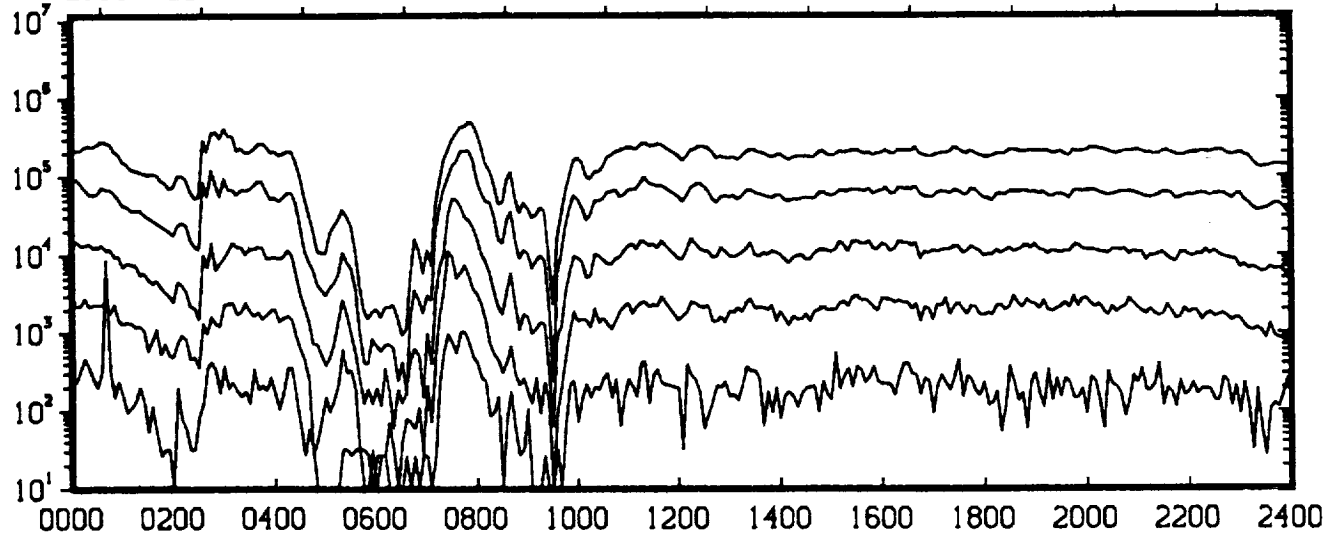


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

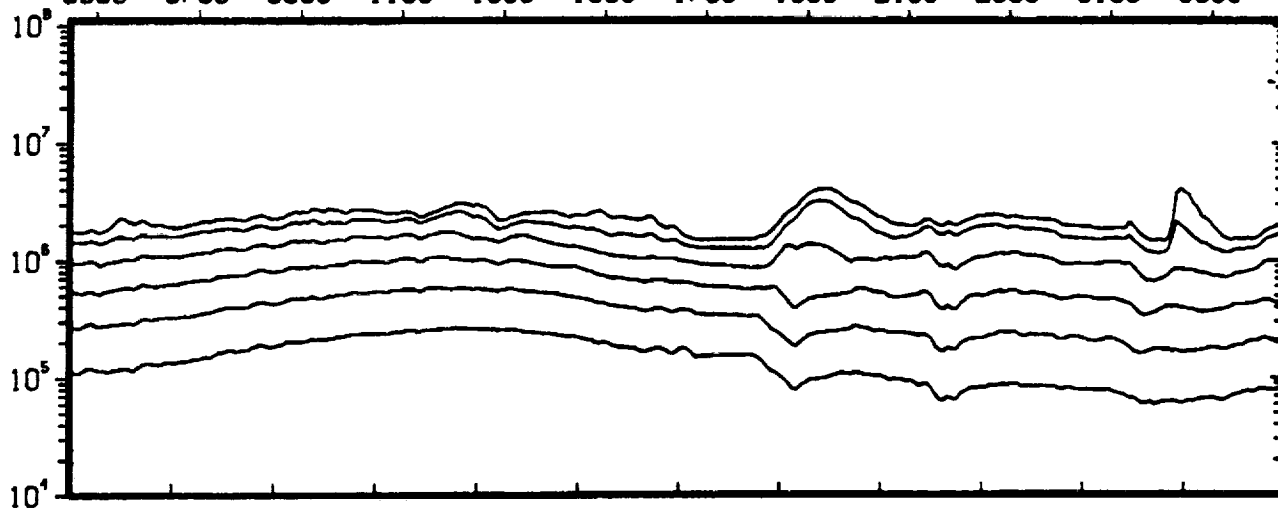


# LOW ENERGY ELECTRONS

1977-007

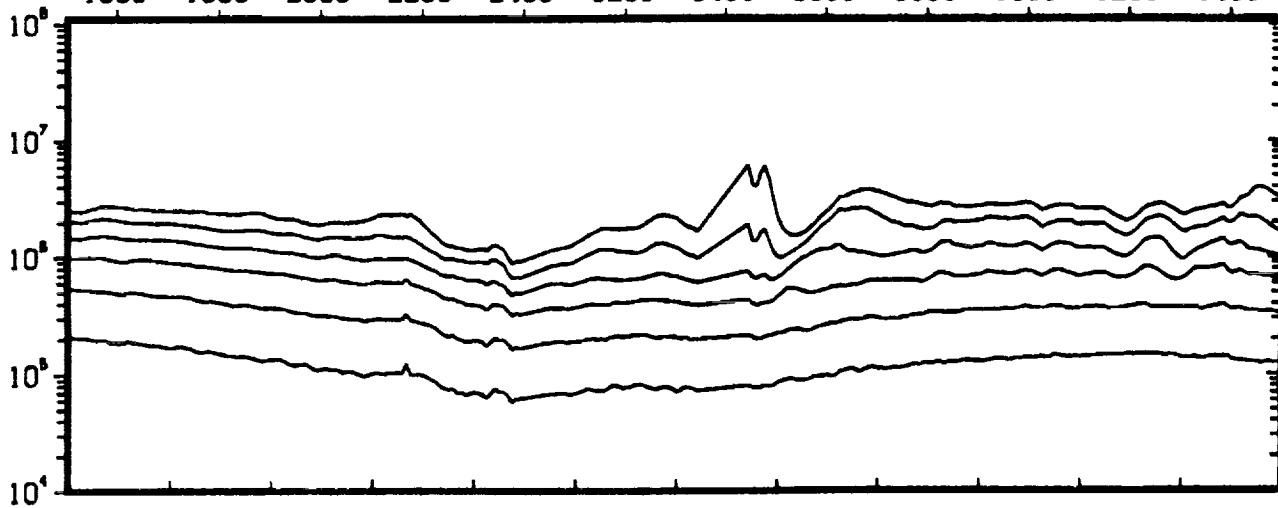
83/06/30

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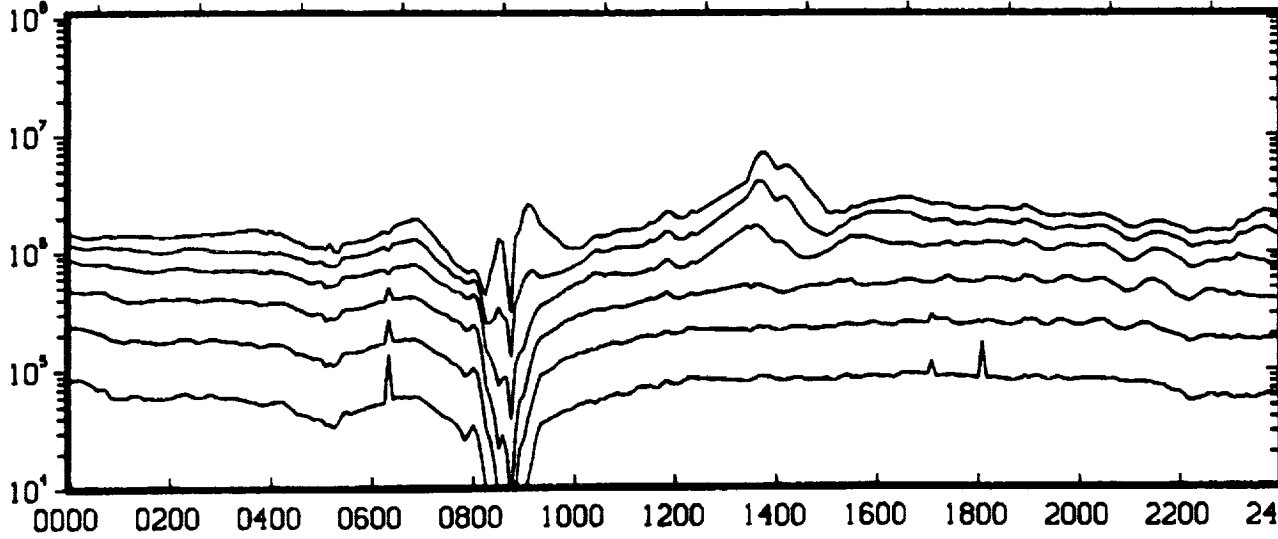
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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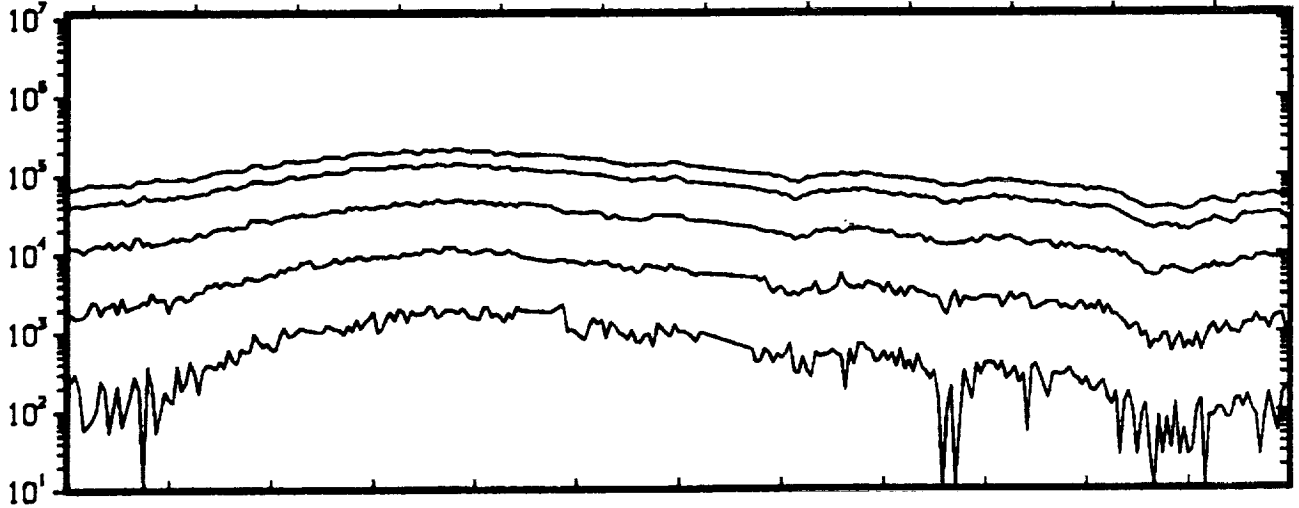
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

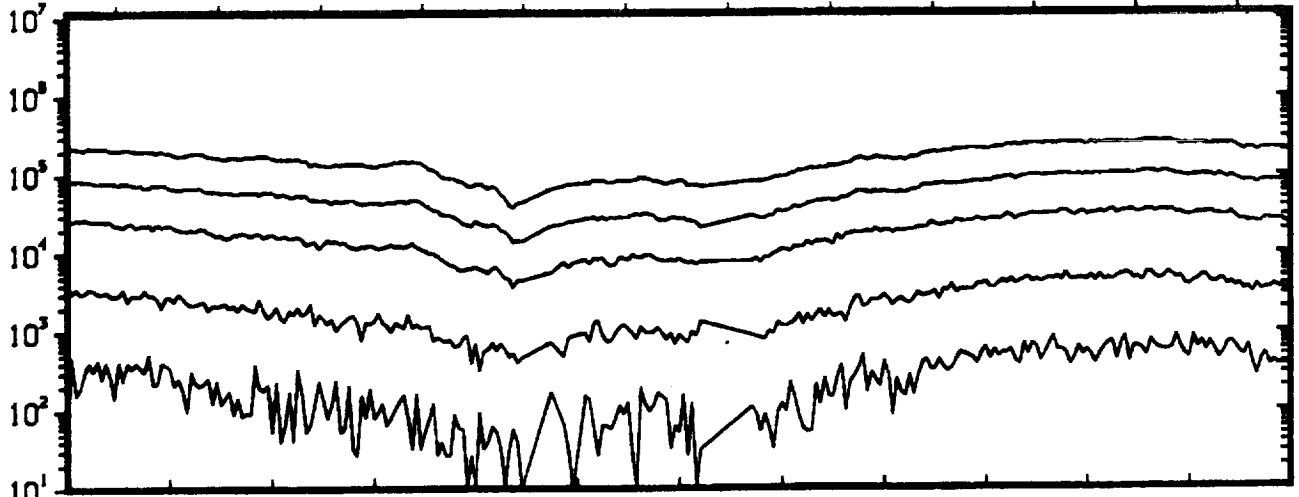
83/06/30

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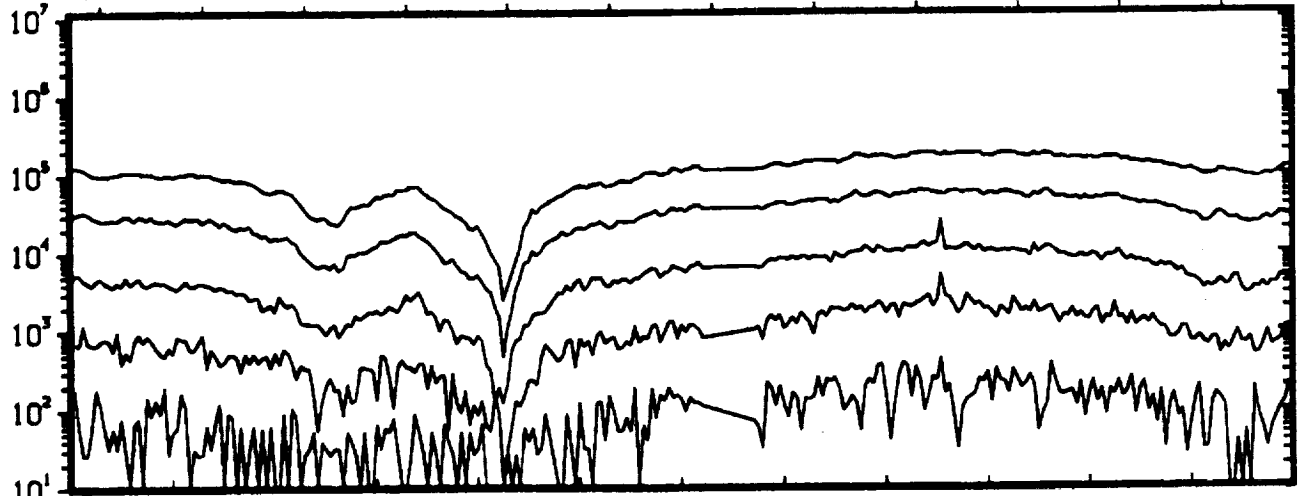
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



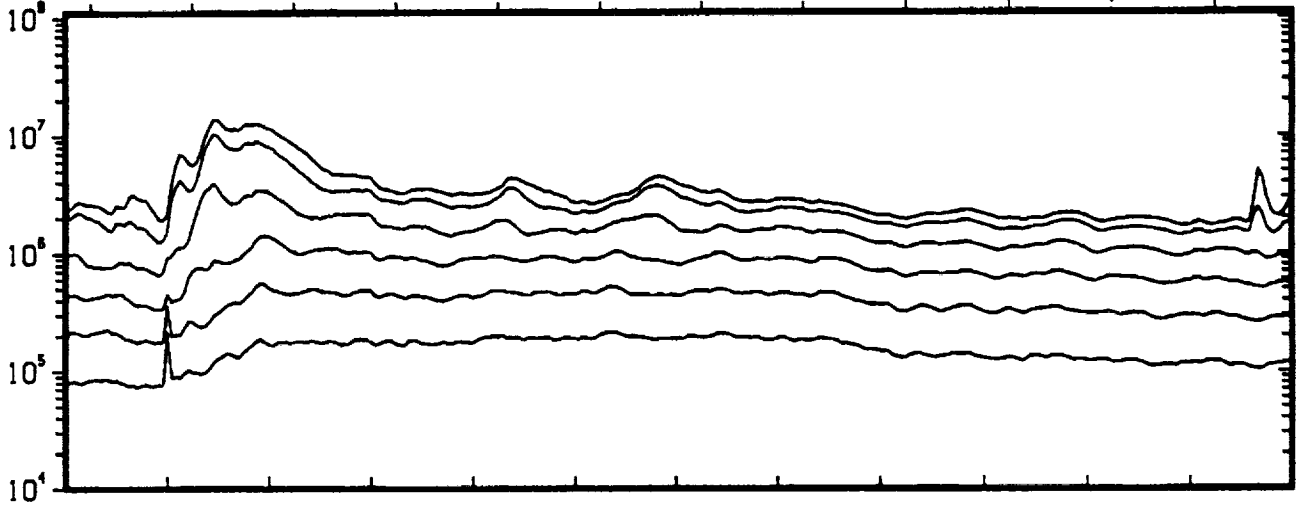
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

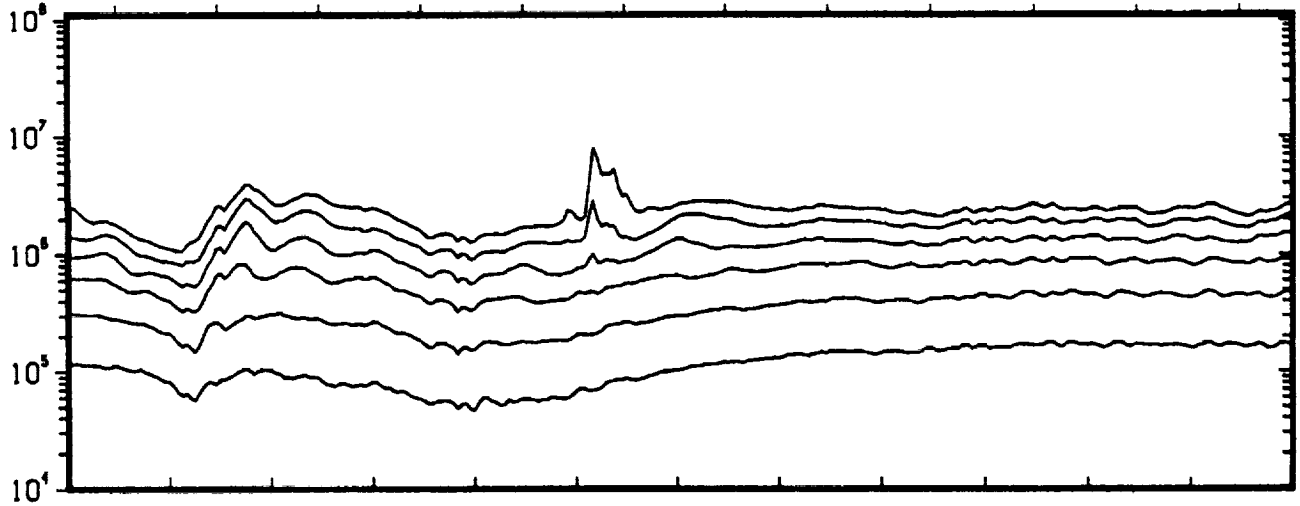
83/07/01

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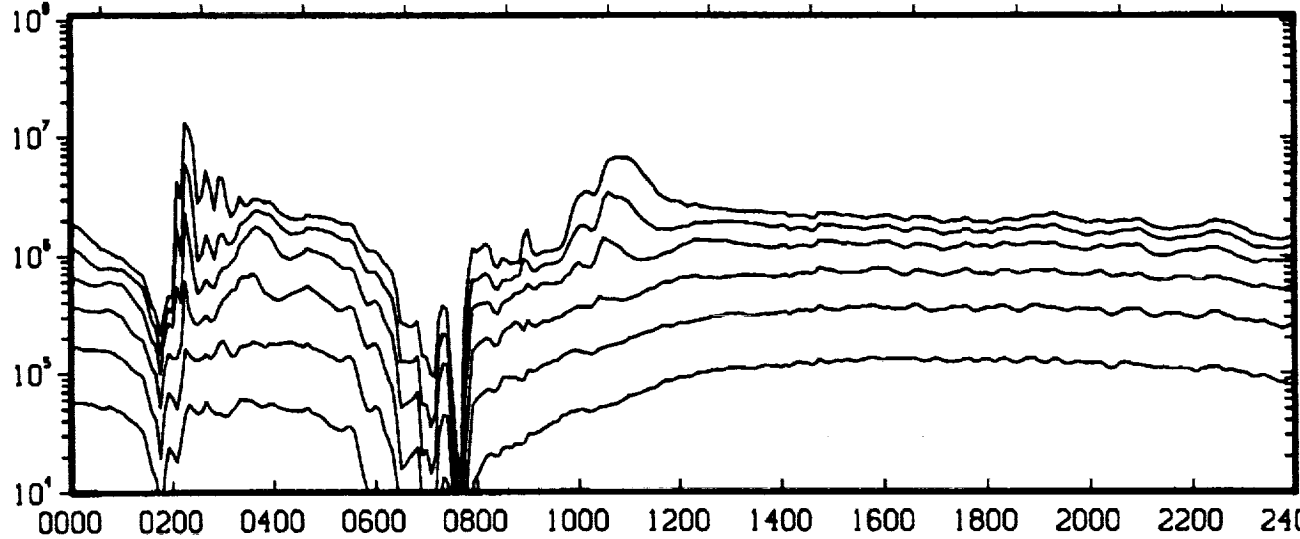
1981-025

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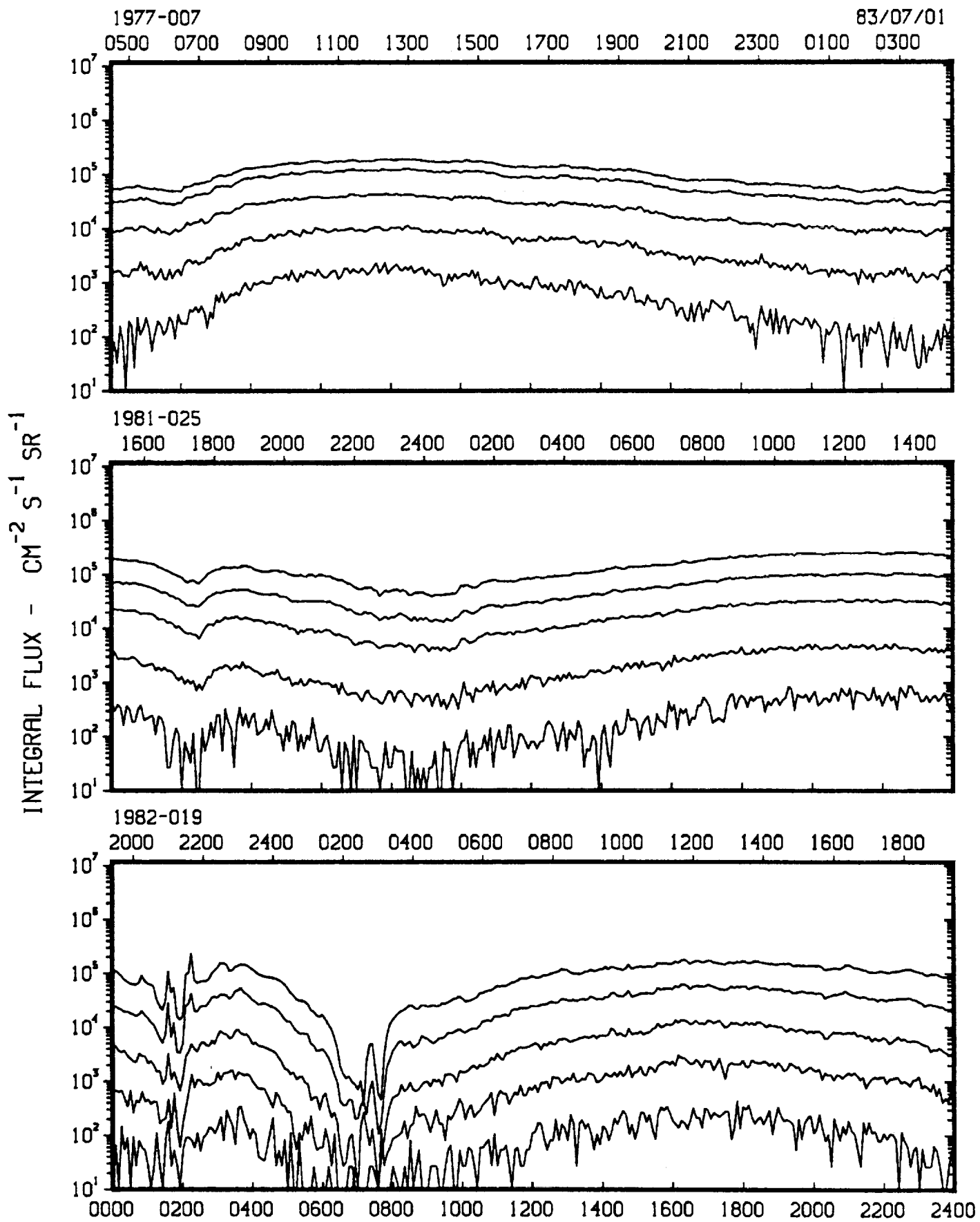


1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



# LOW ENERGY IONS

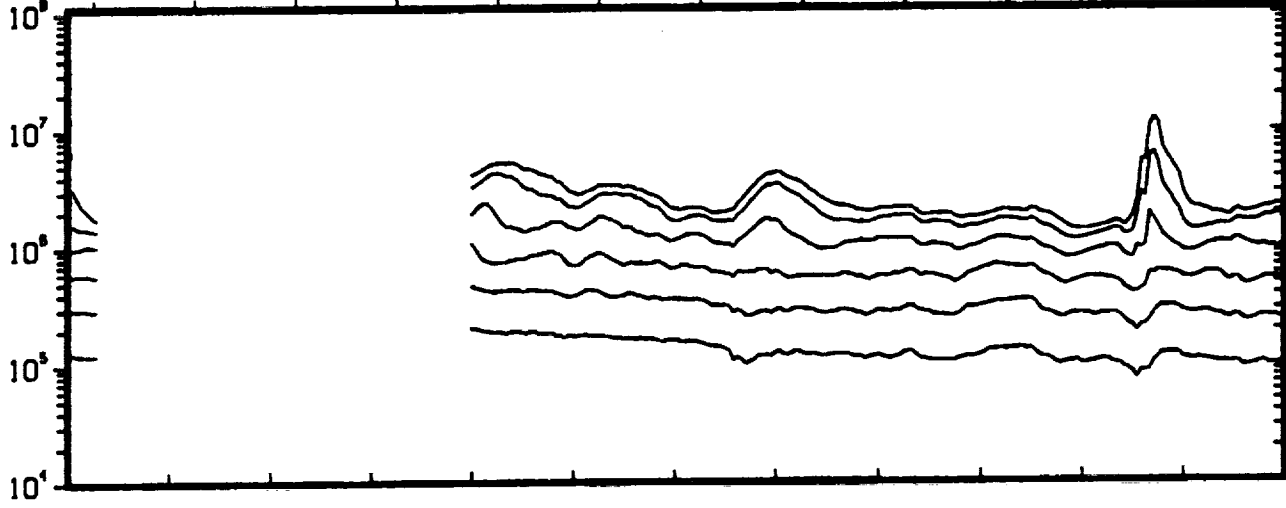


# LOW ENERGY ELECTRONS

1977-007

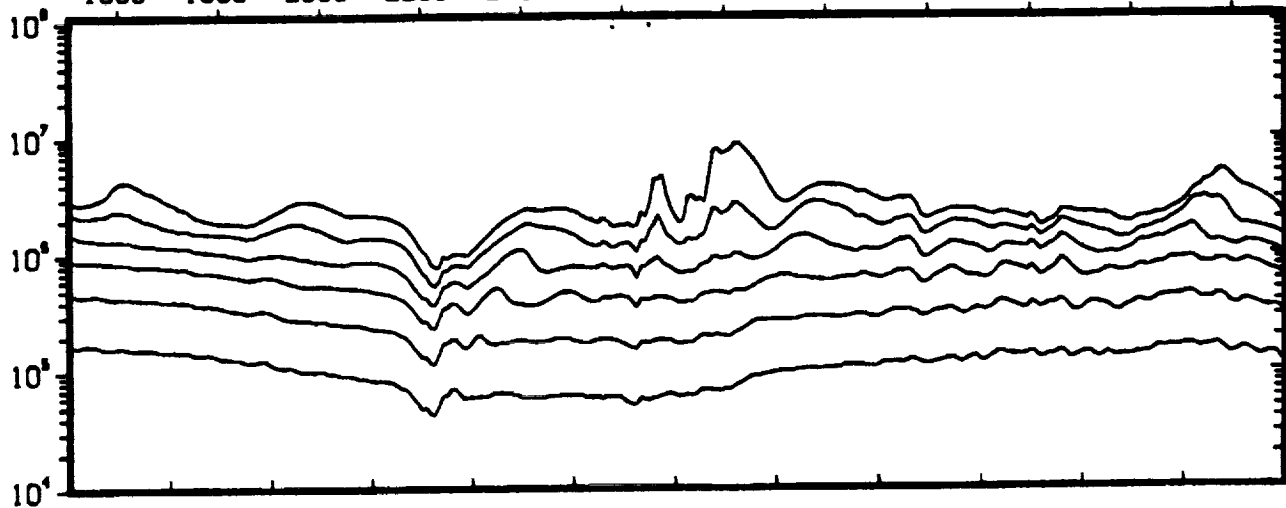
83/07/02

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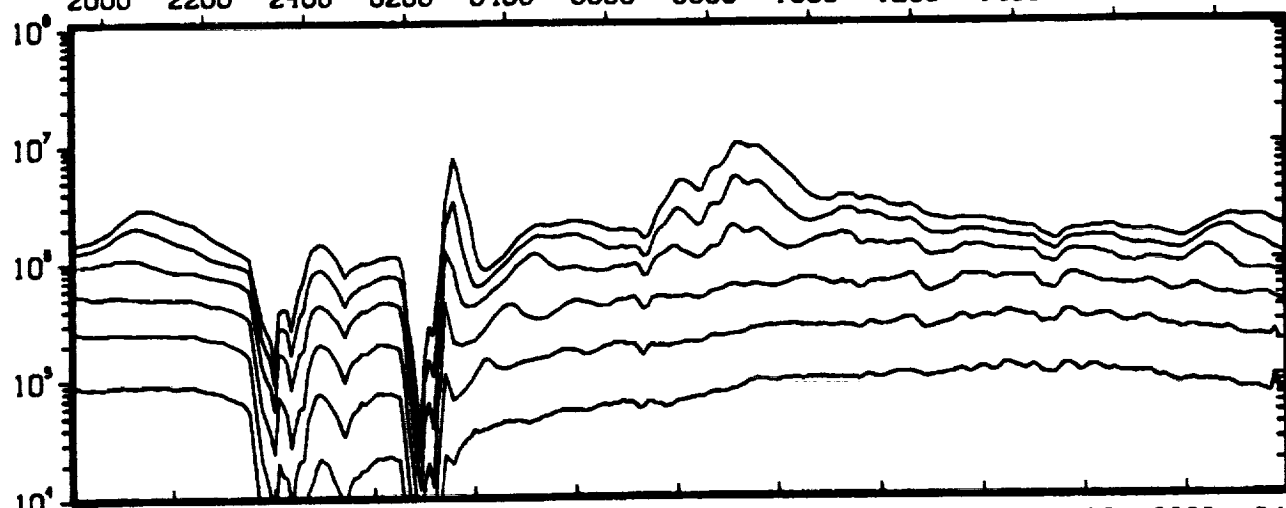
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



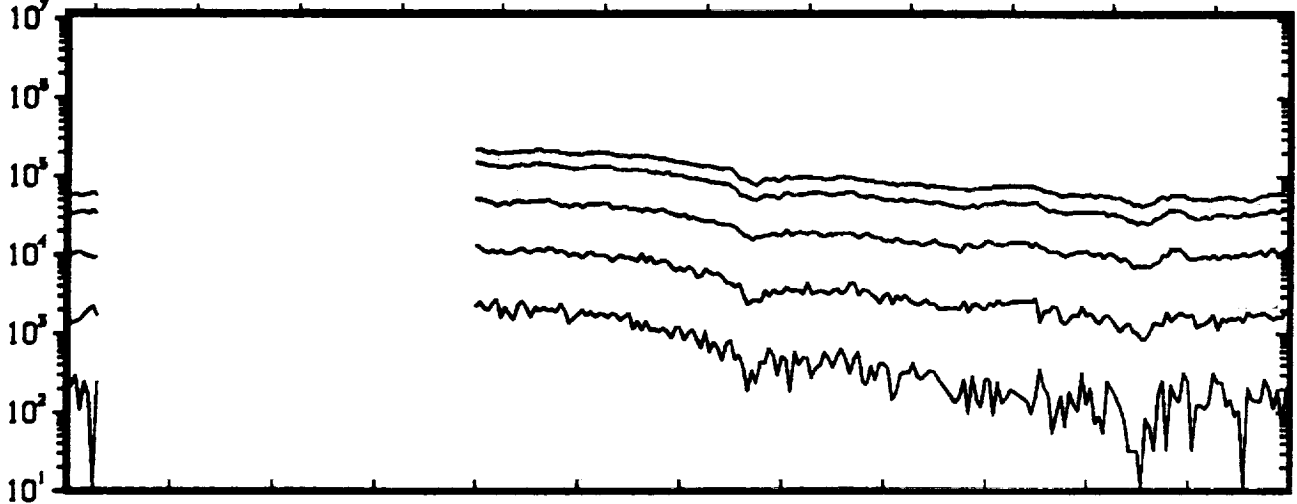
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

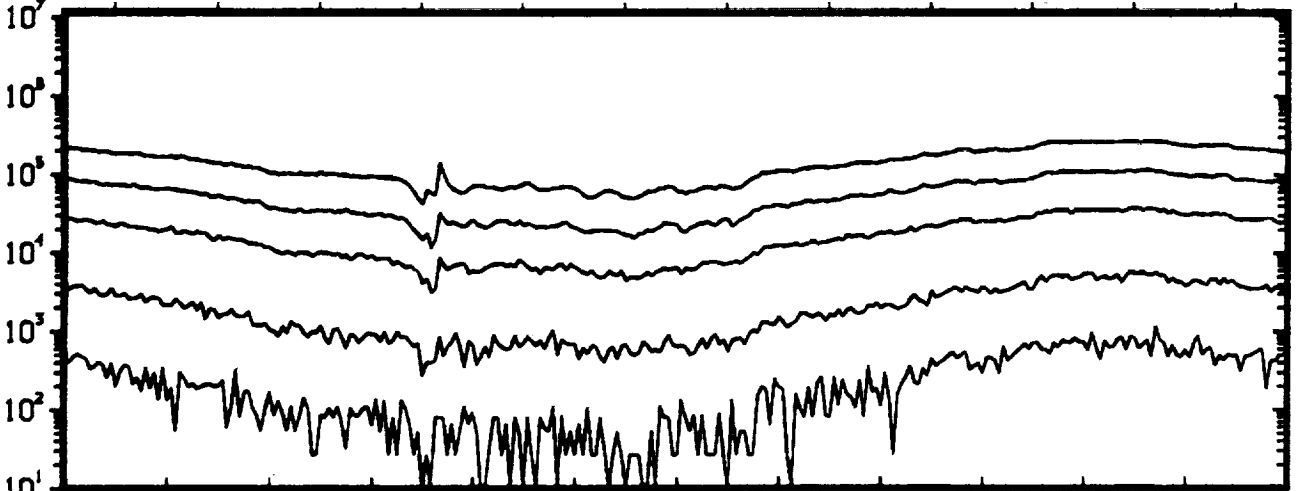
83/07/02

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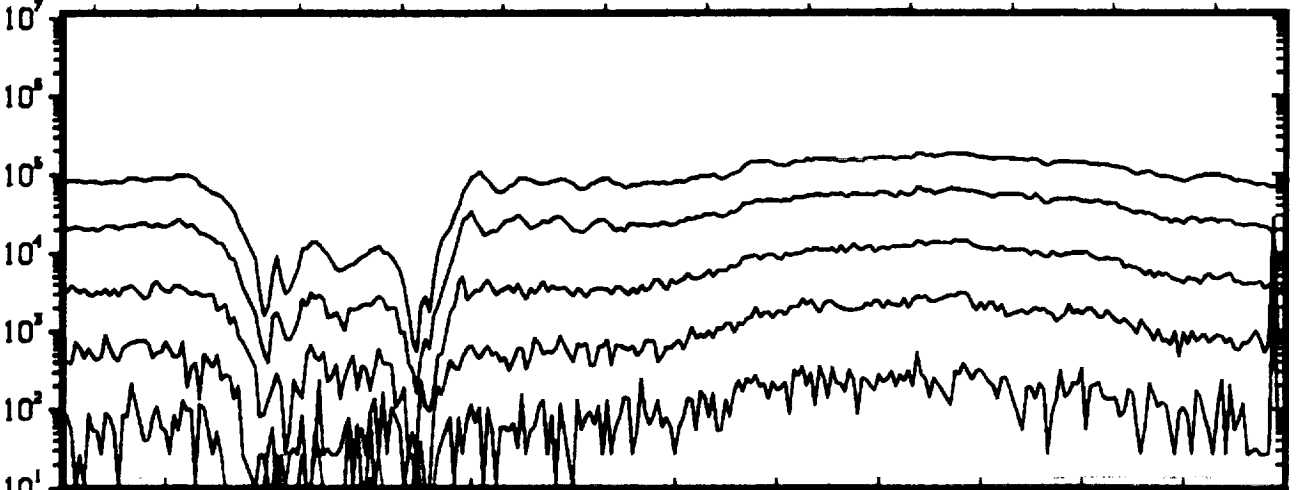
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

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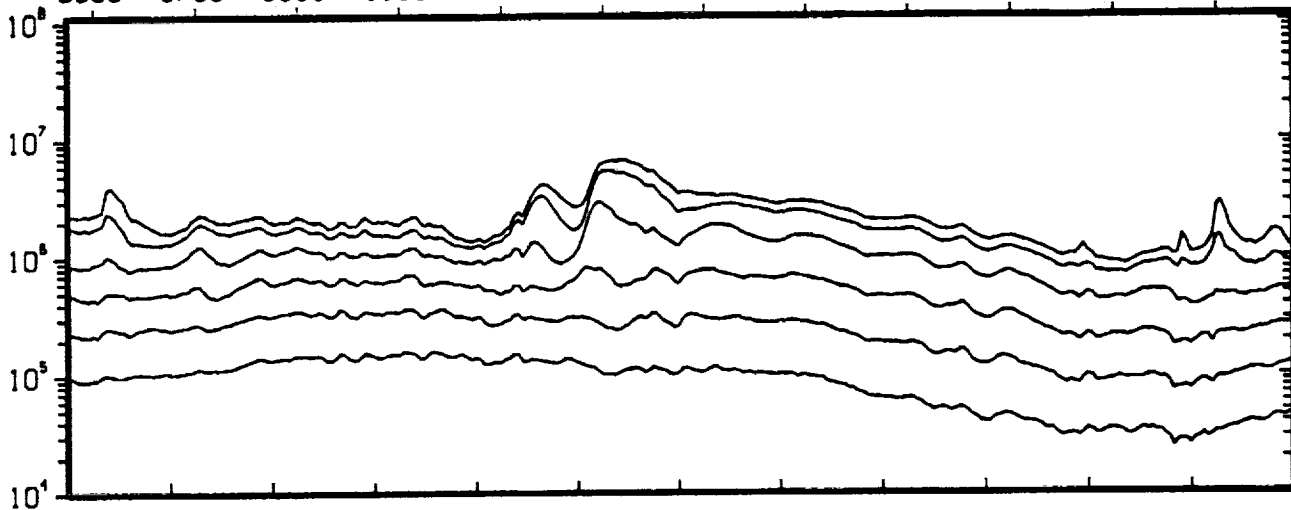
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

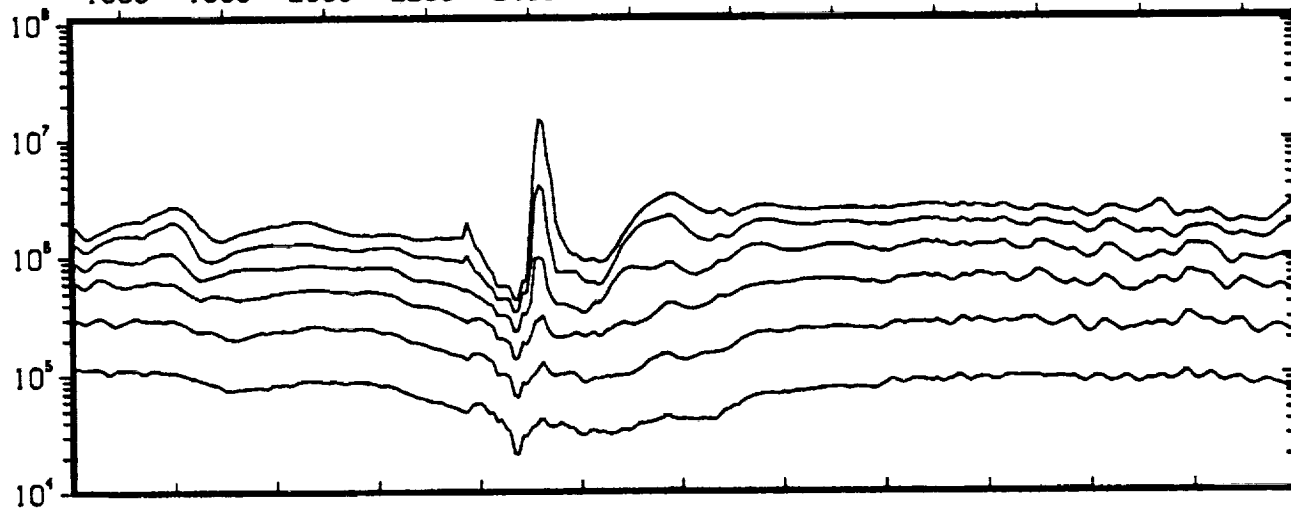
83/07/03

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



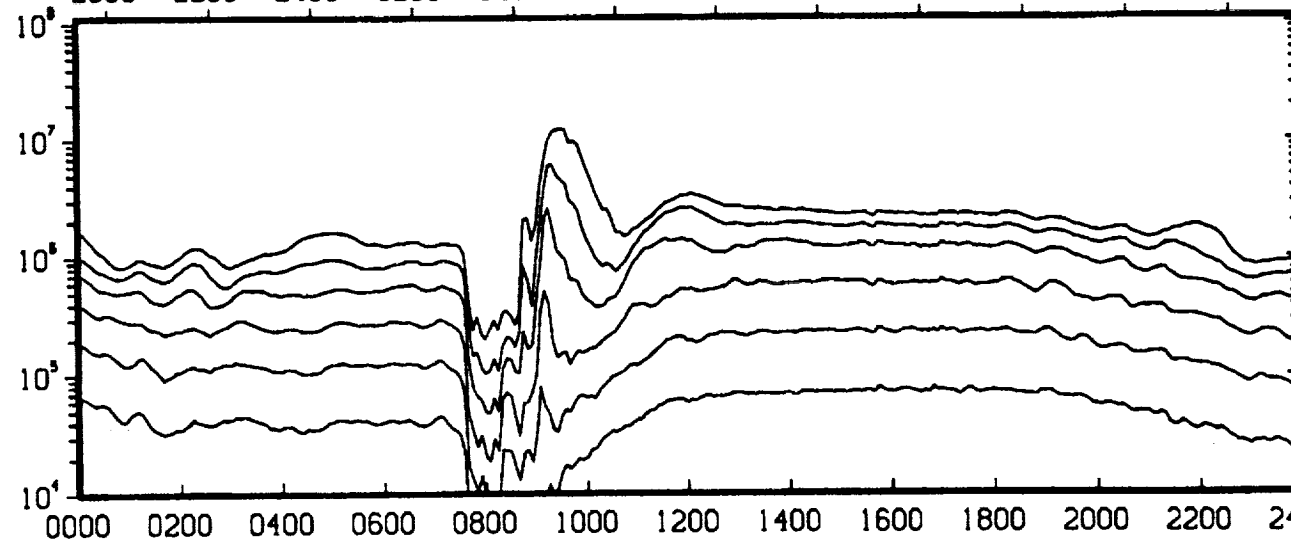
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

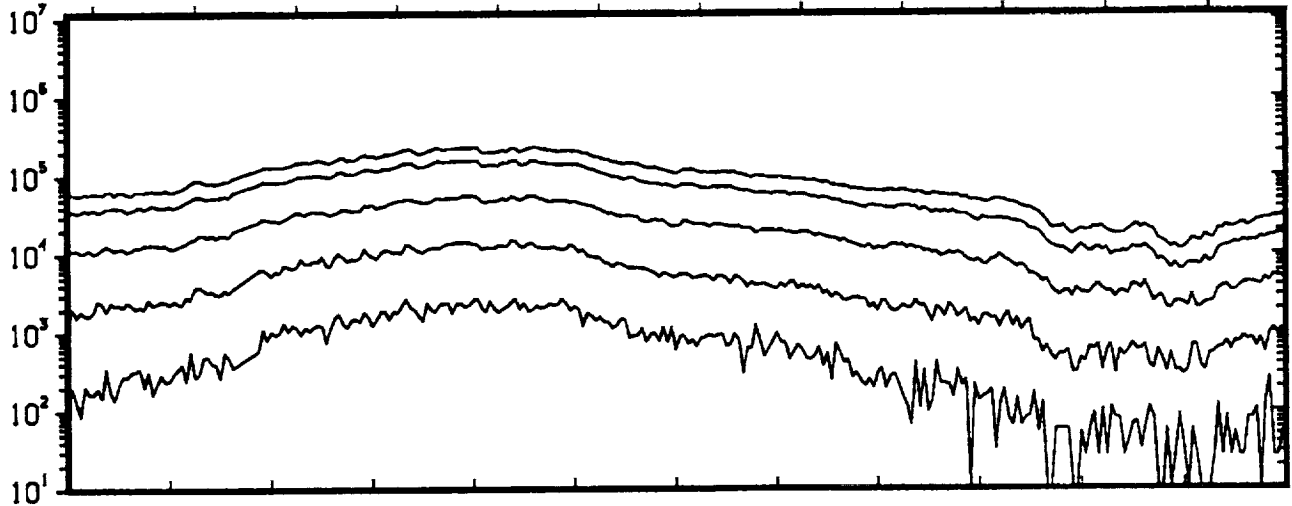


# LOW ENERGY IONS

1977-007

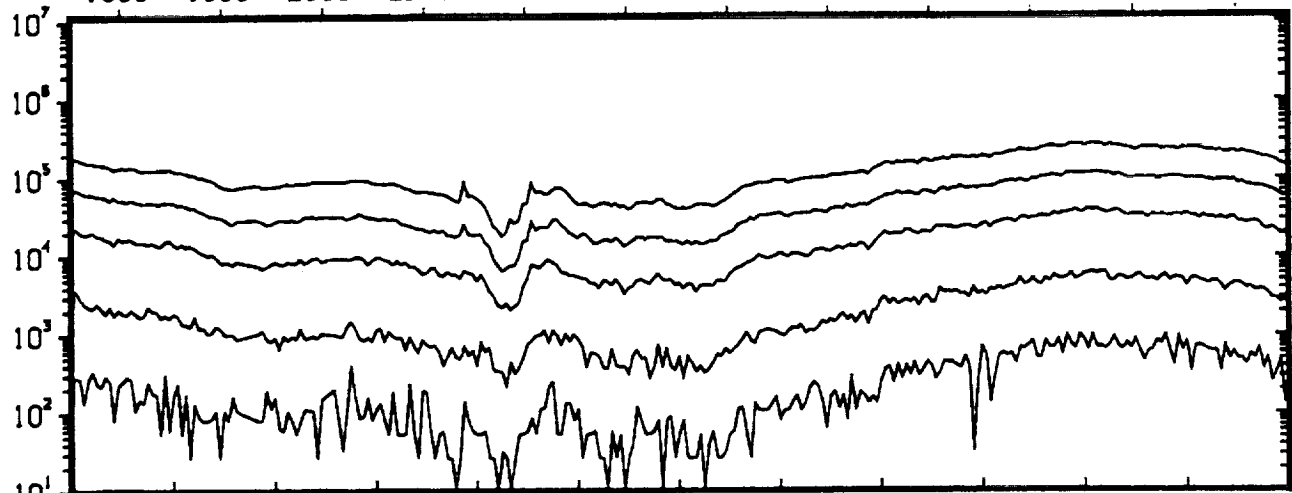
83/07/03

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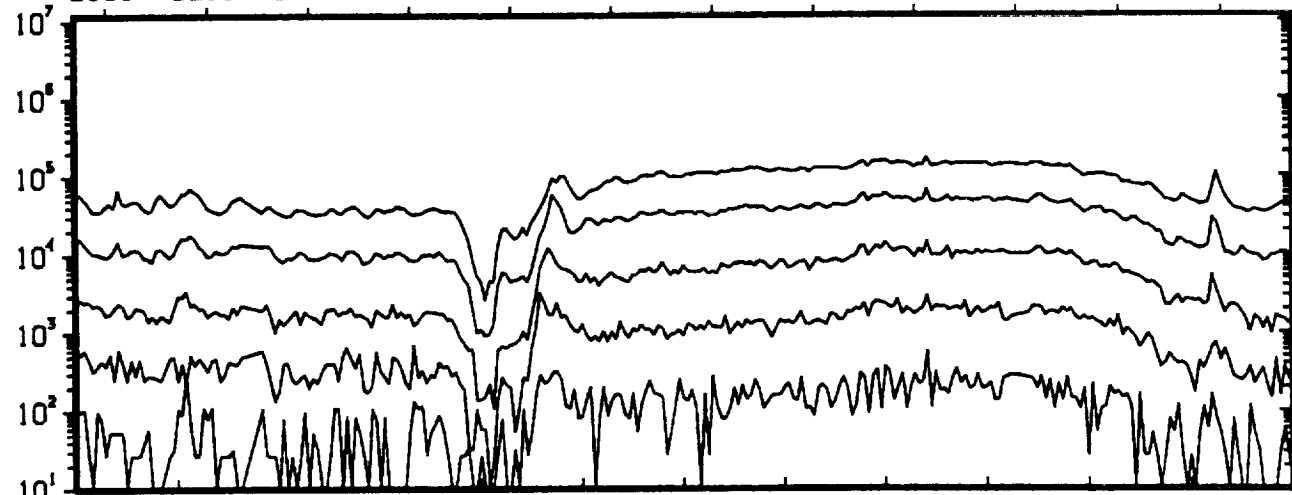
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



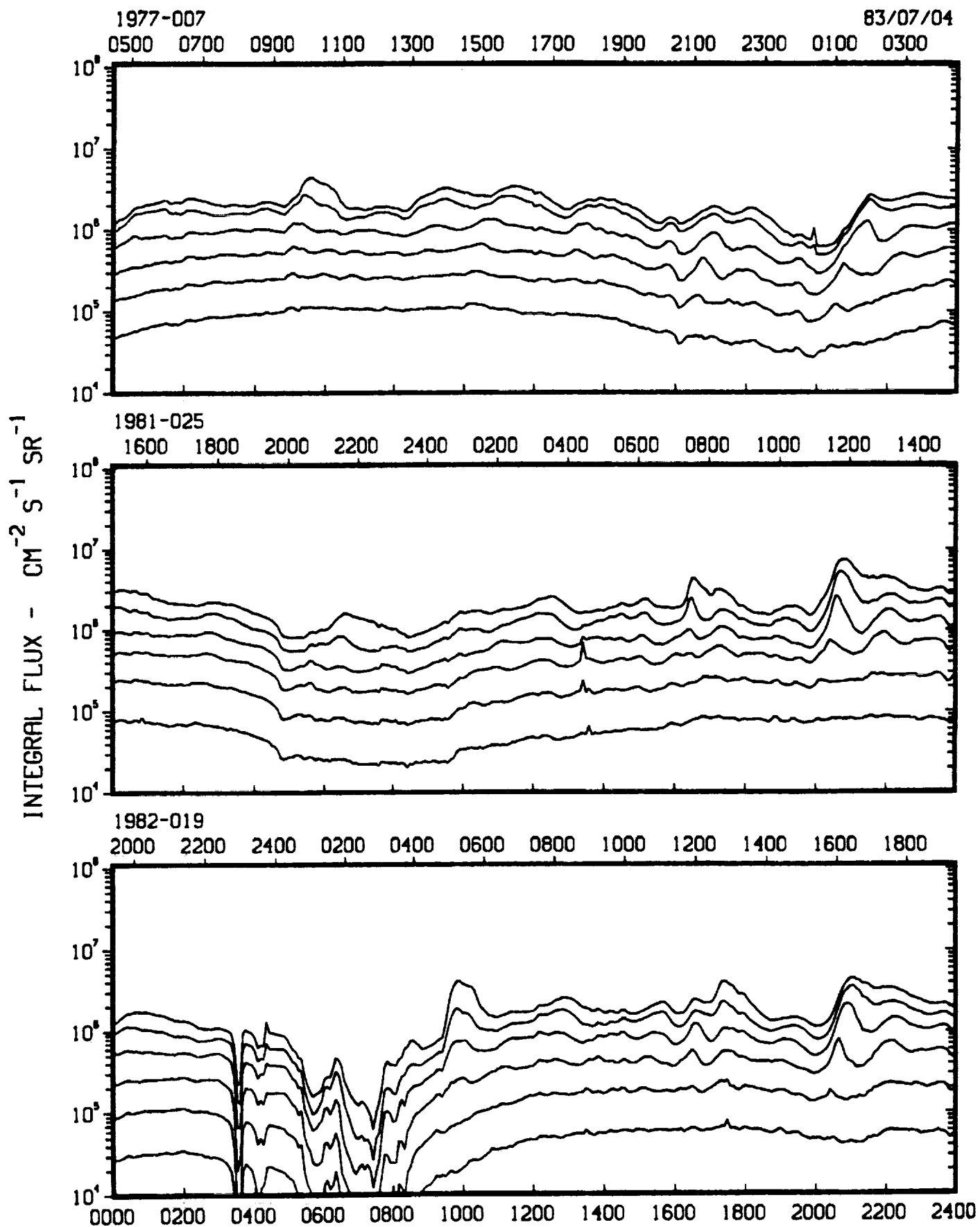
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

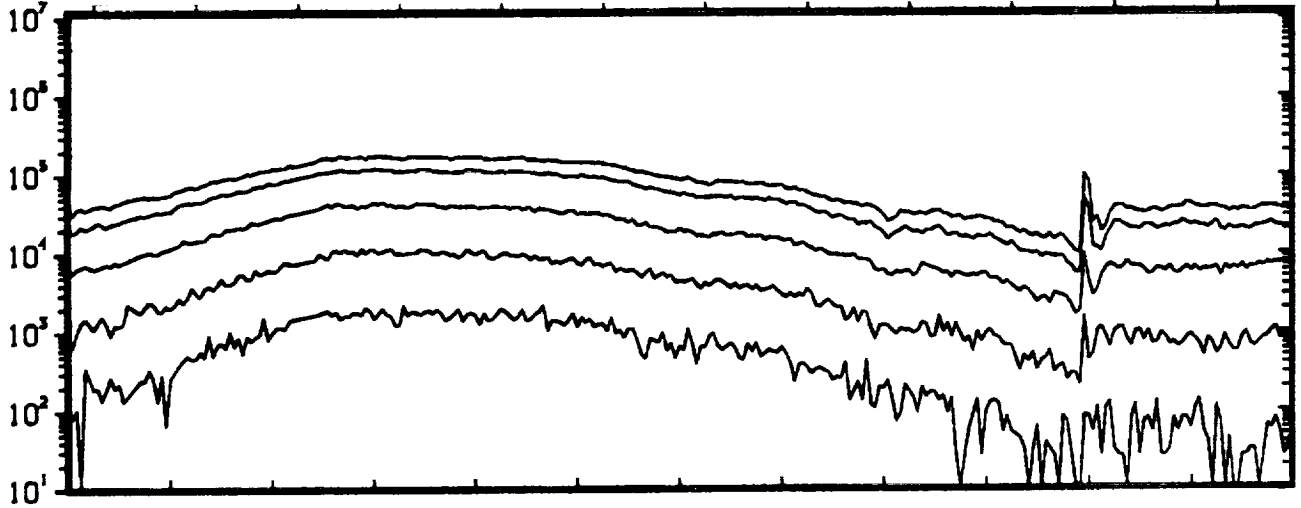


# LOW ENERGY IONS

1977-007

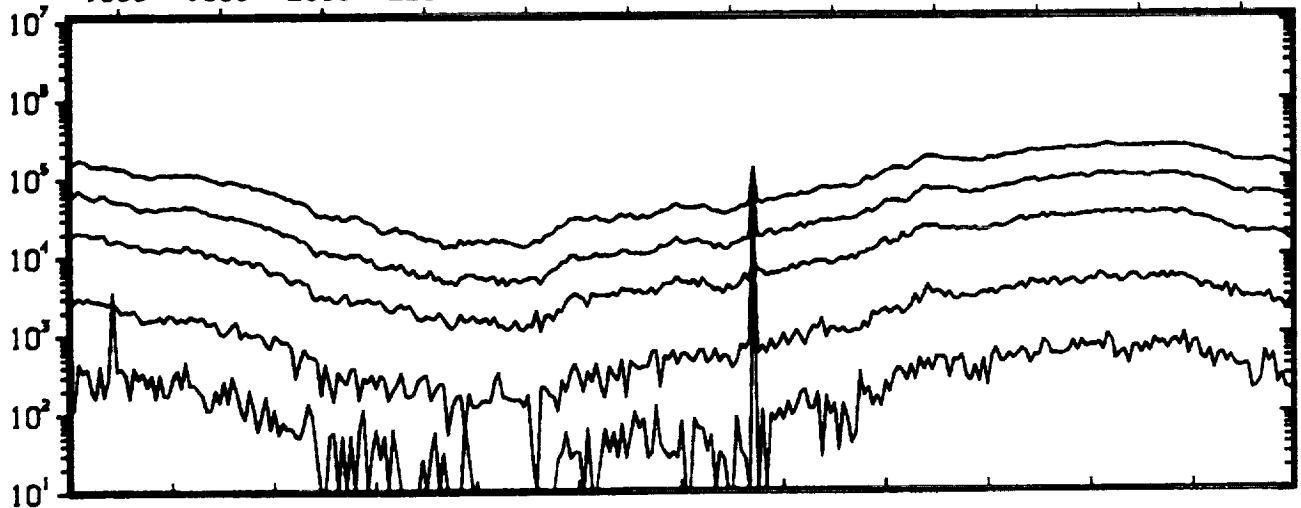
83/07/04

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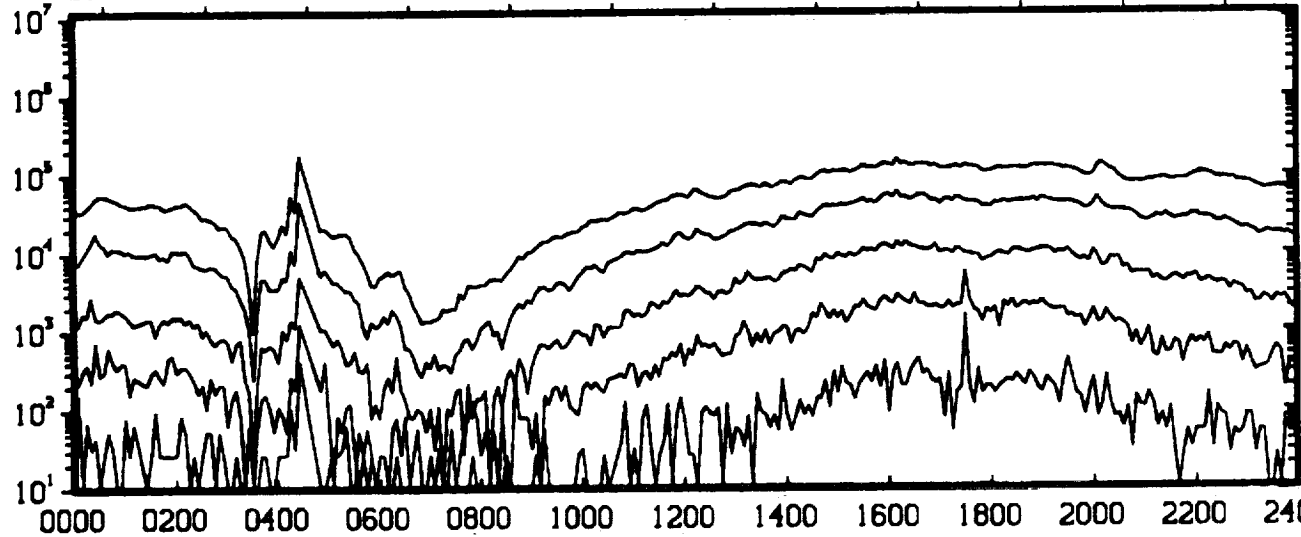
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



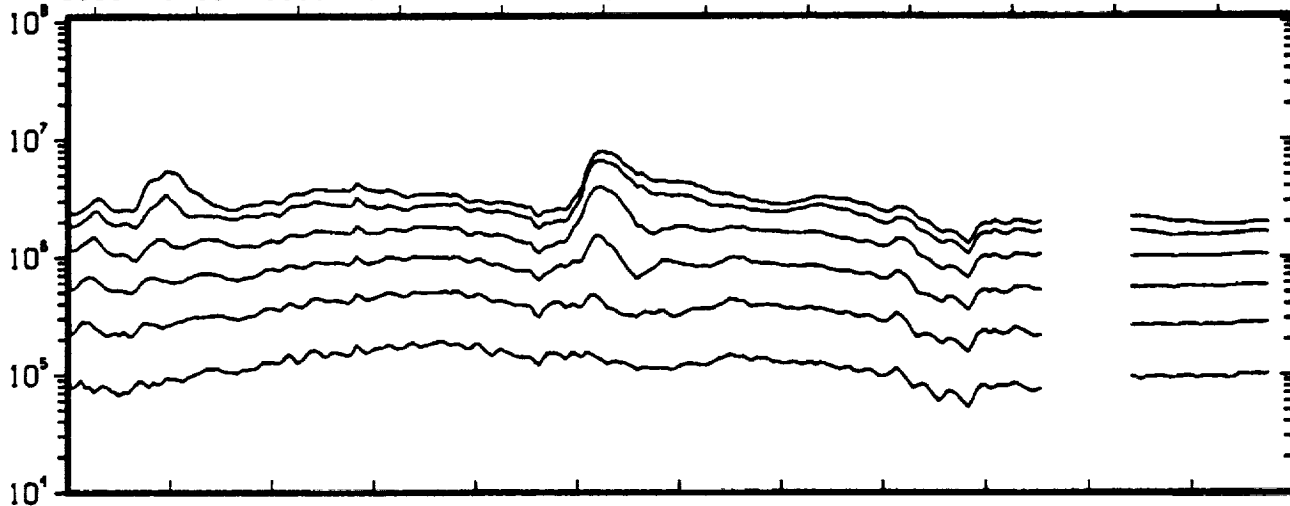
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

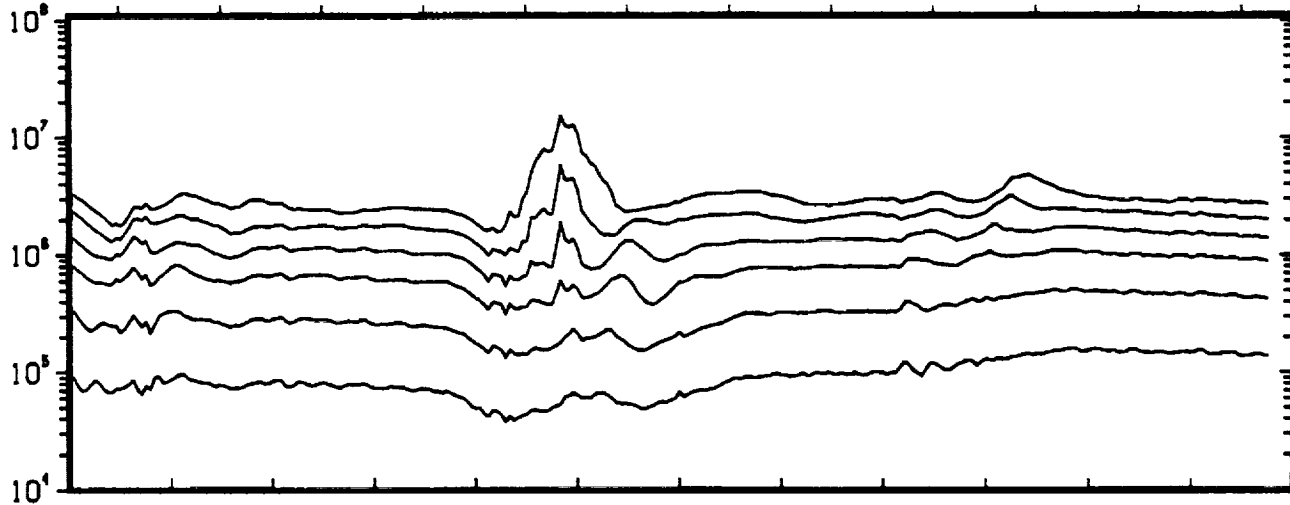
83/07/05

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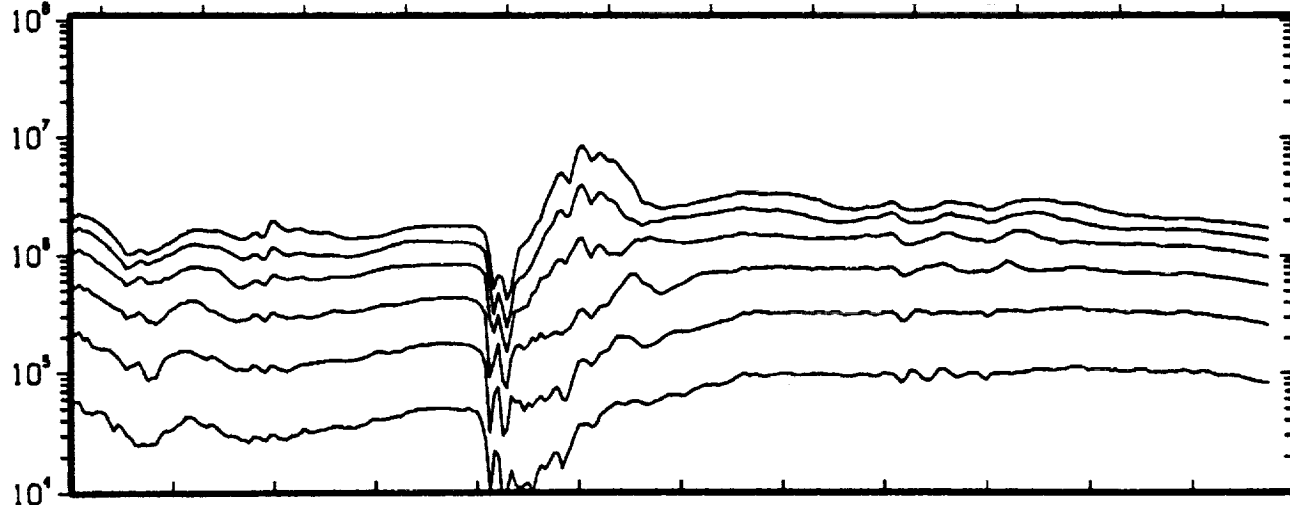
1981-025

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1982-019

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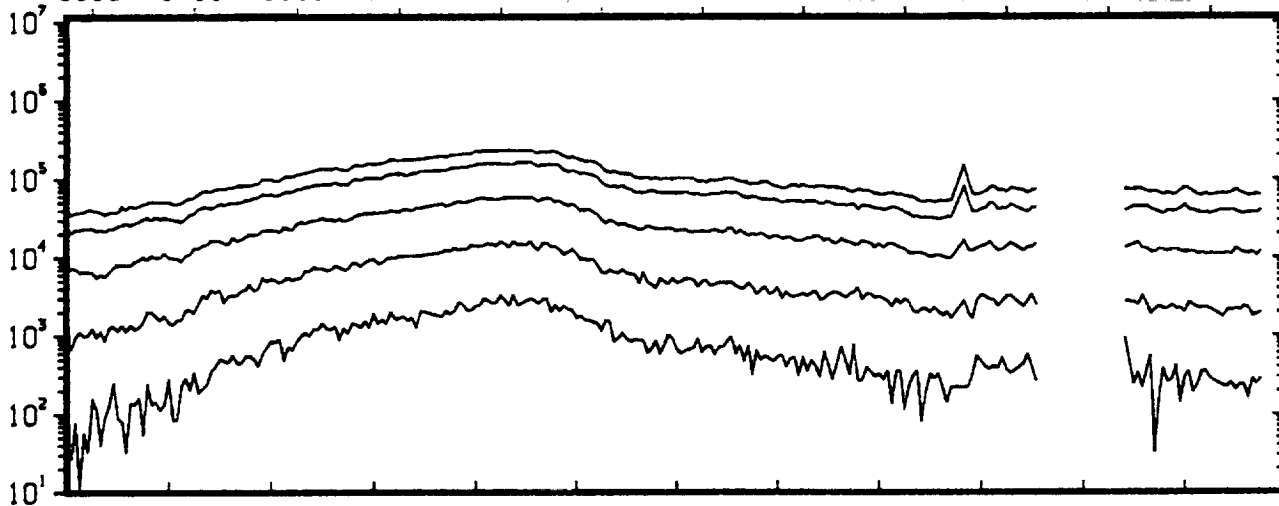
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

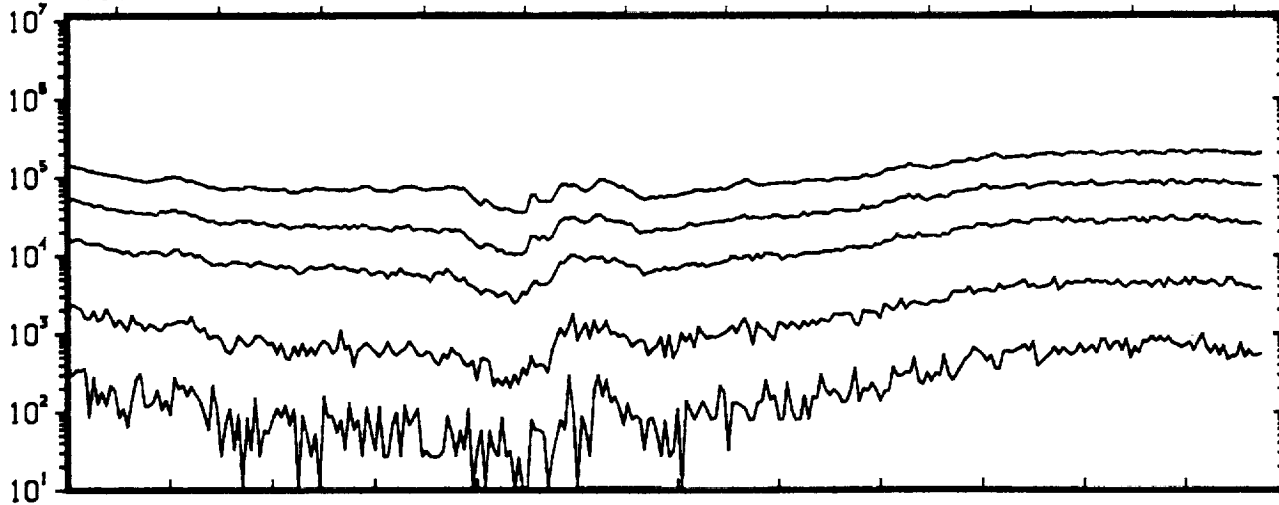
83/07/05

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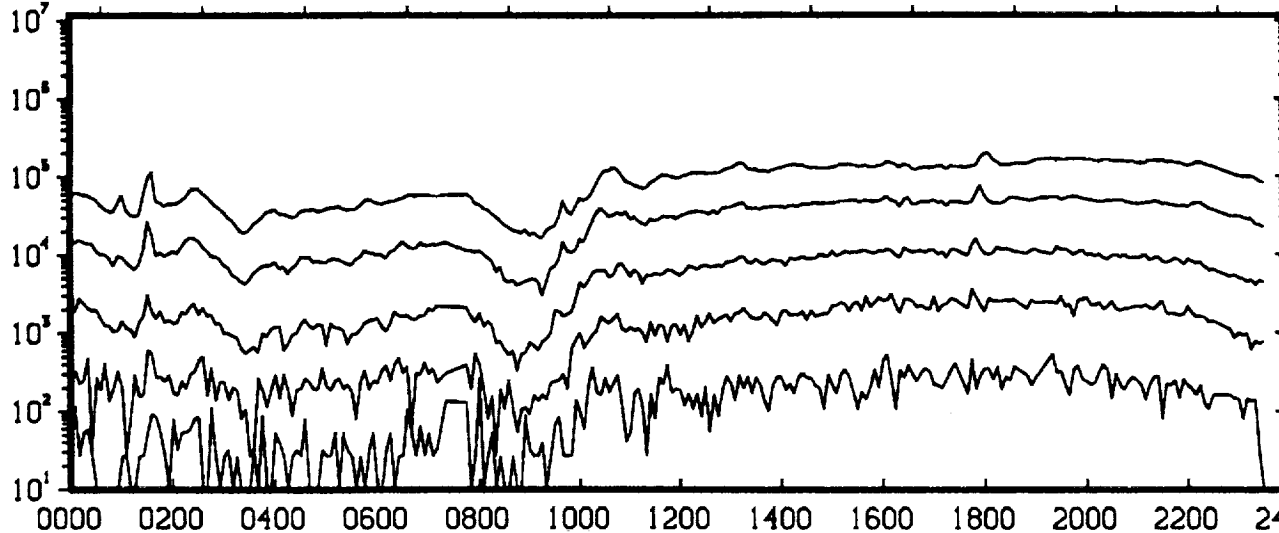
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



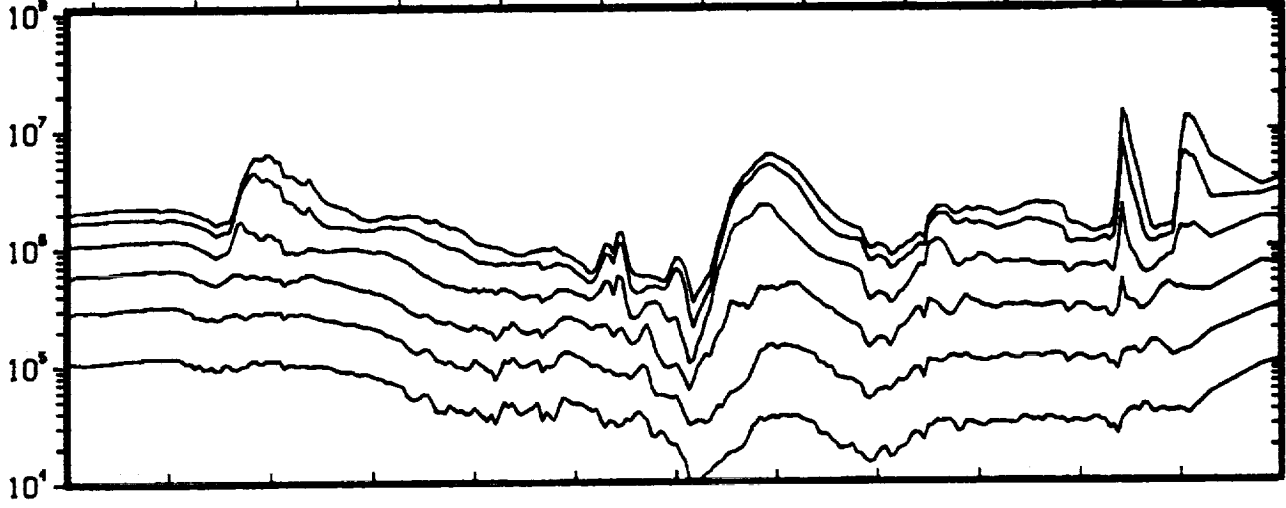
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

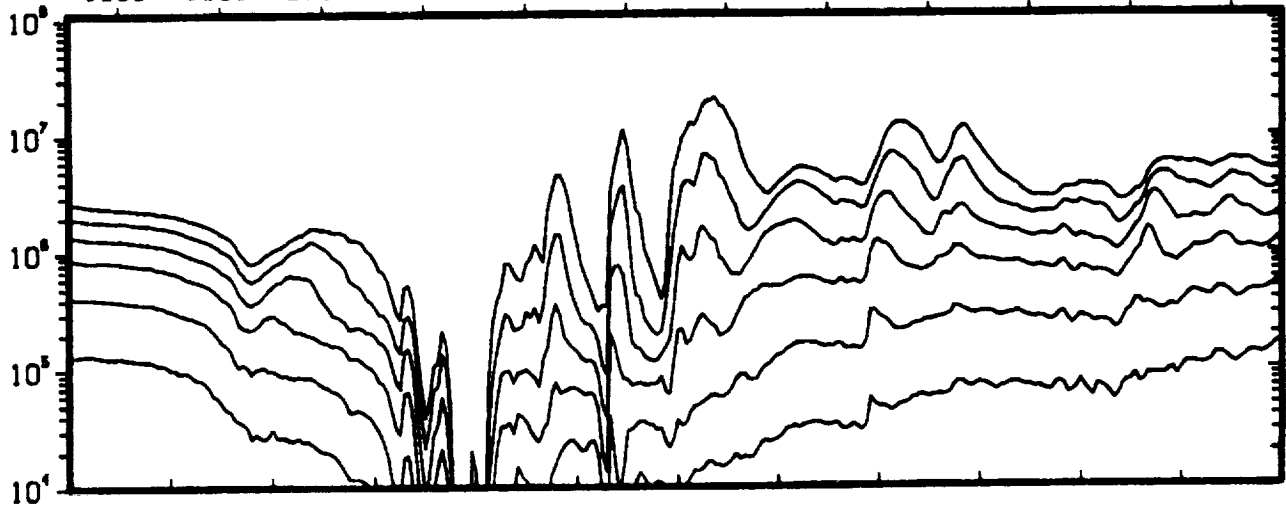
83/07/06

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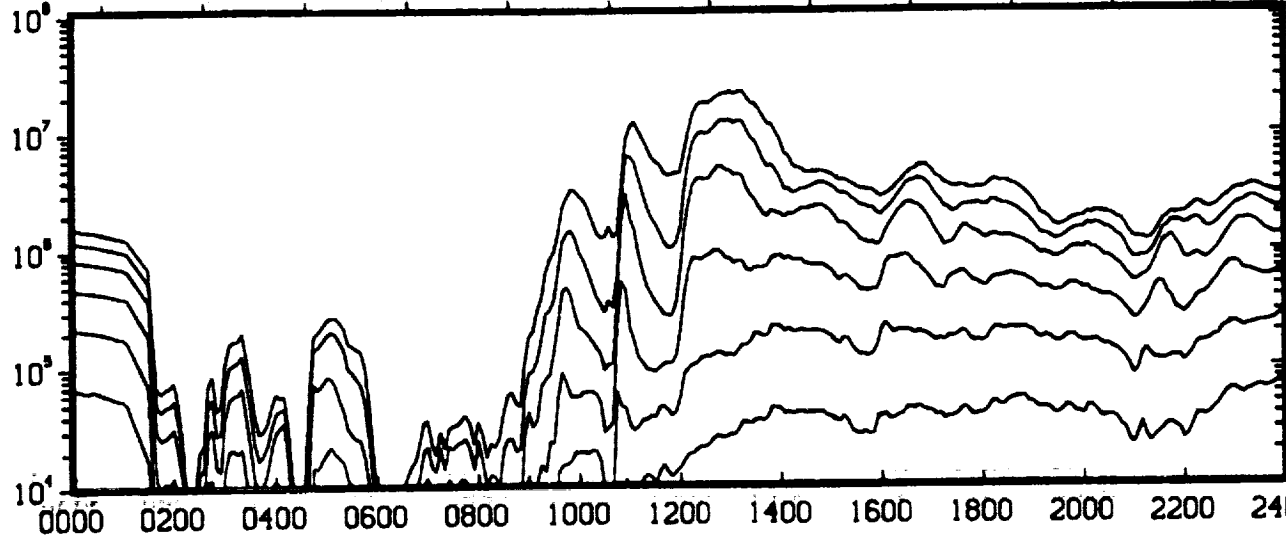
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



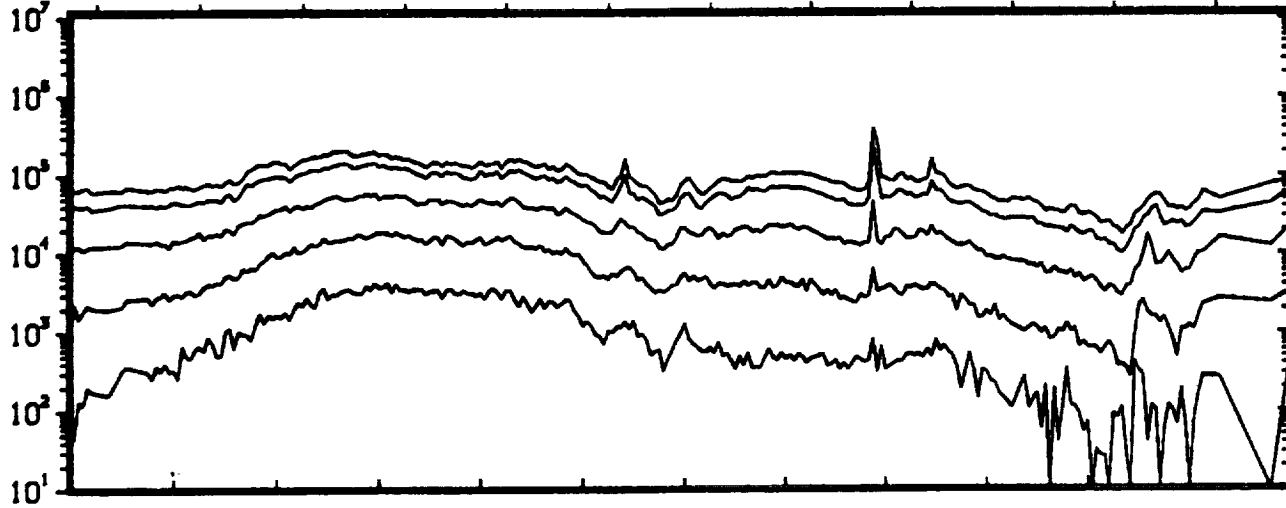
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

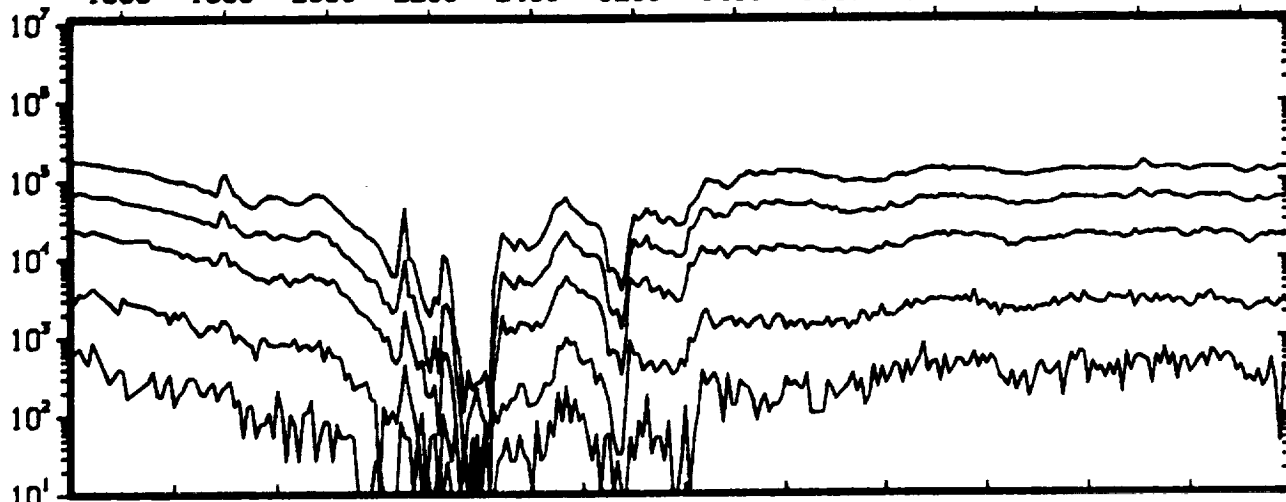
83/07/06

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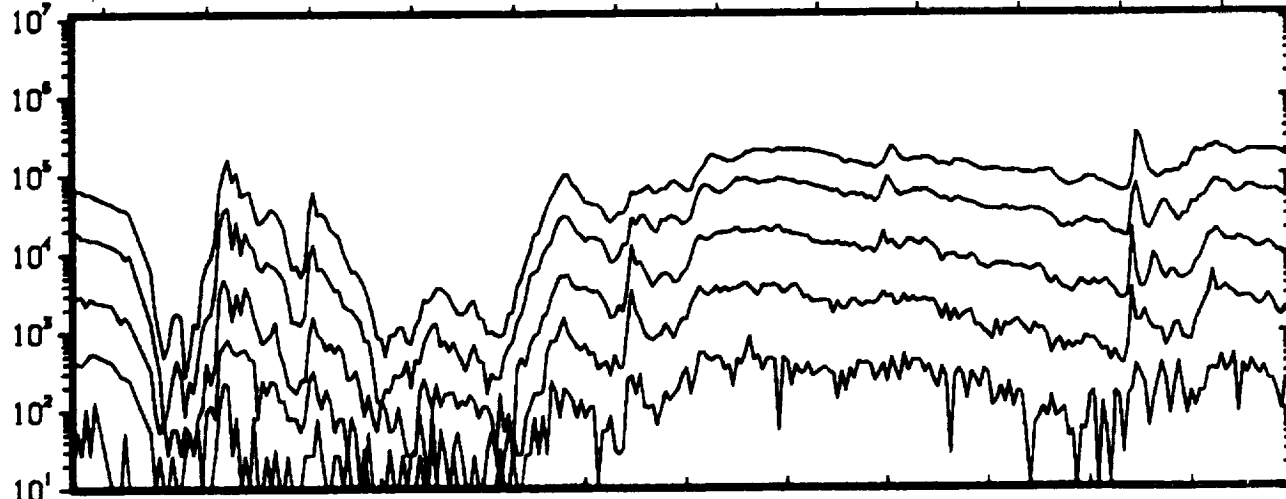
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



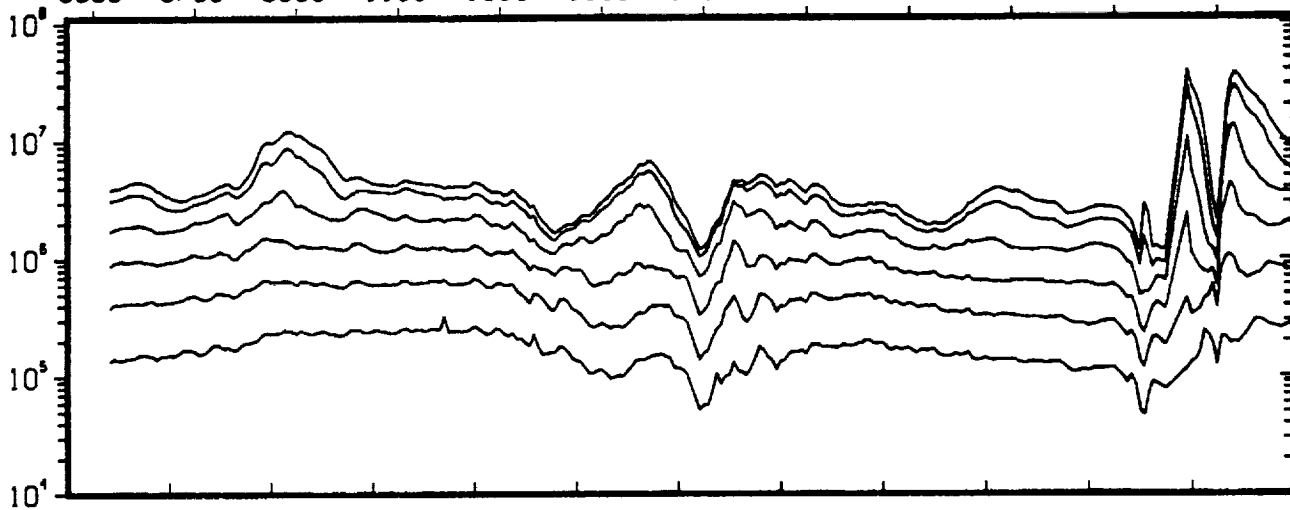
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

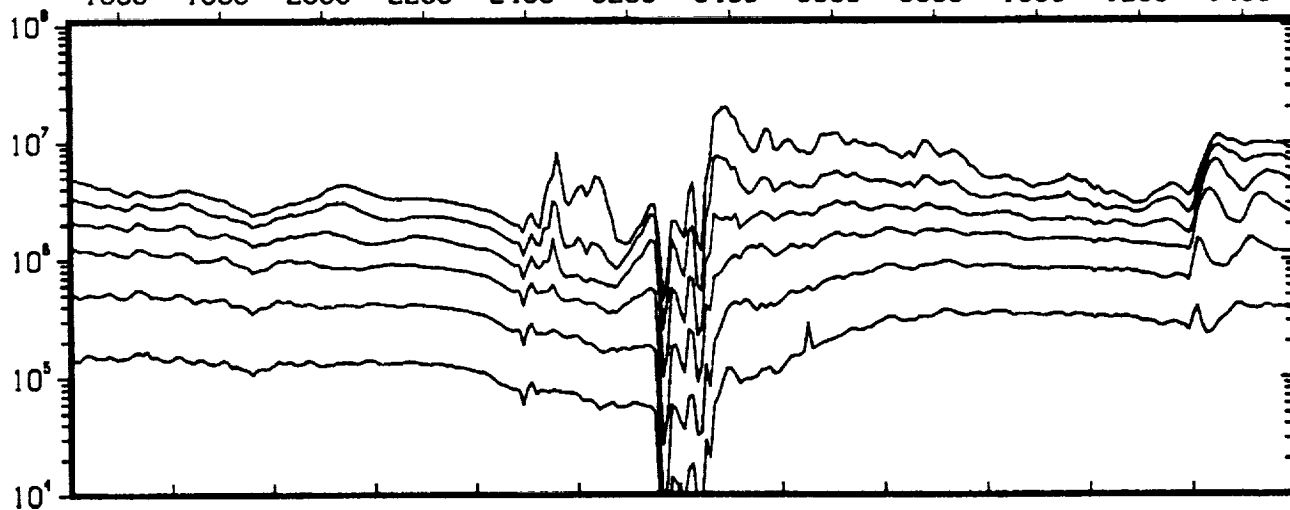
83/07/07

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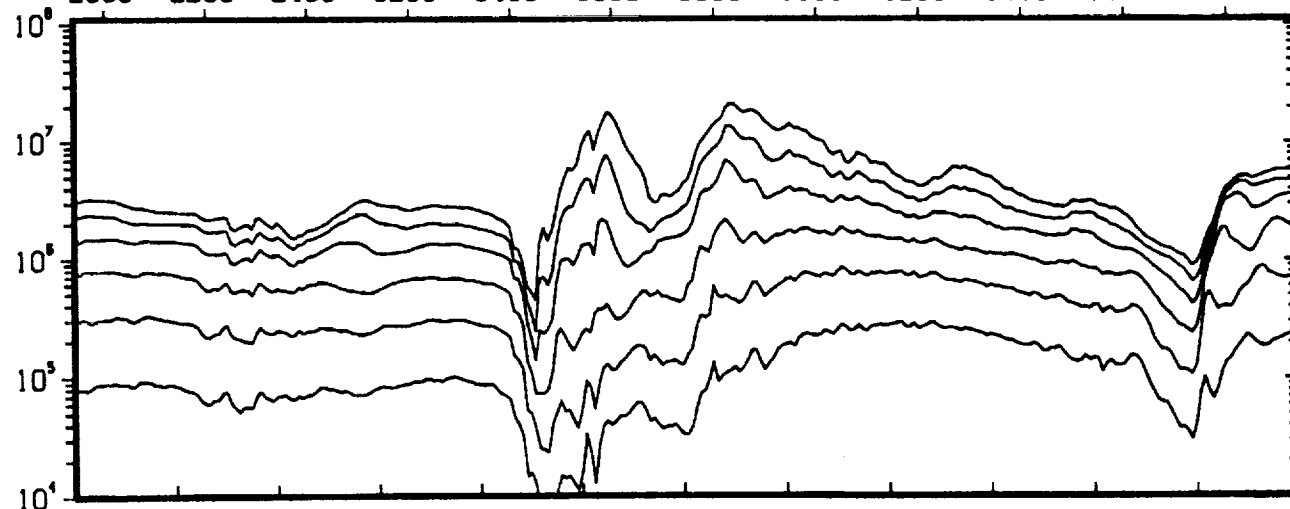
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

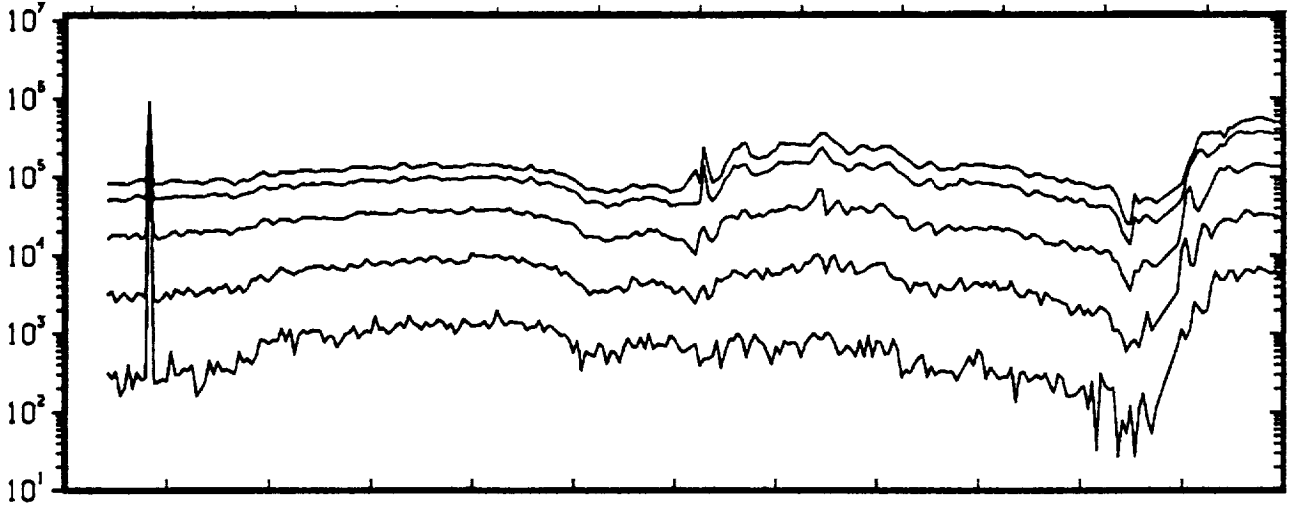


# LOW ENERGY IONS

1977-007

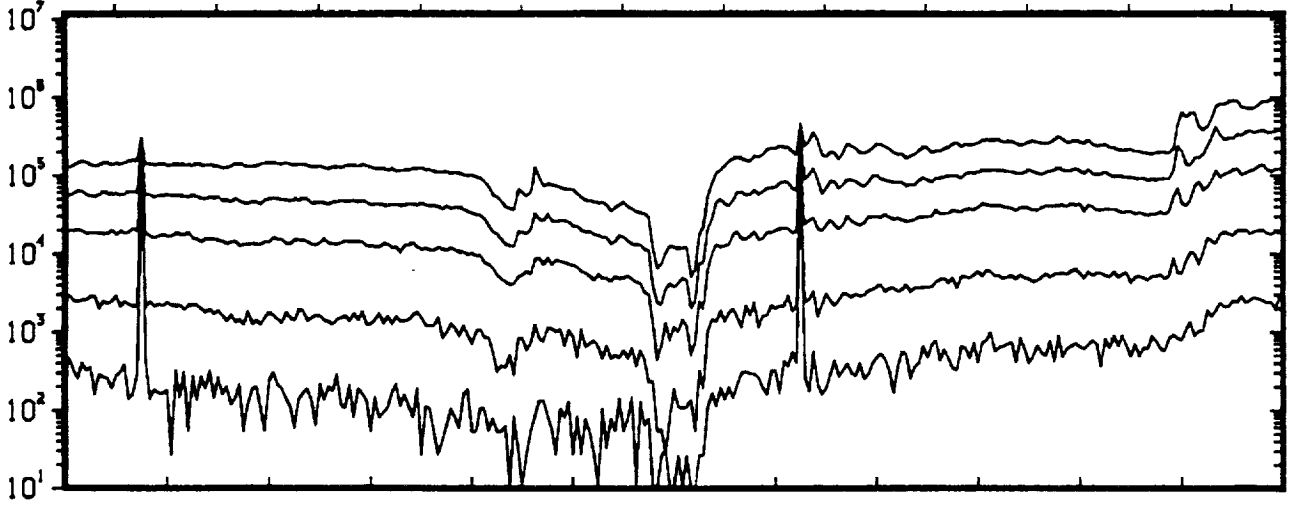
83/07/07

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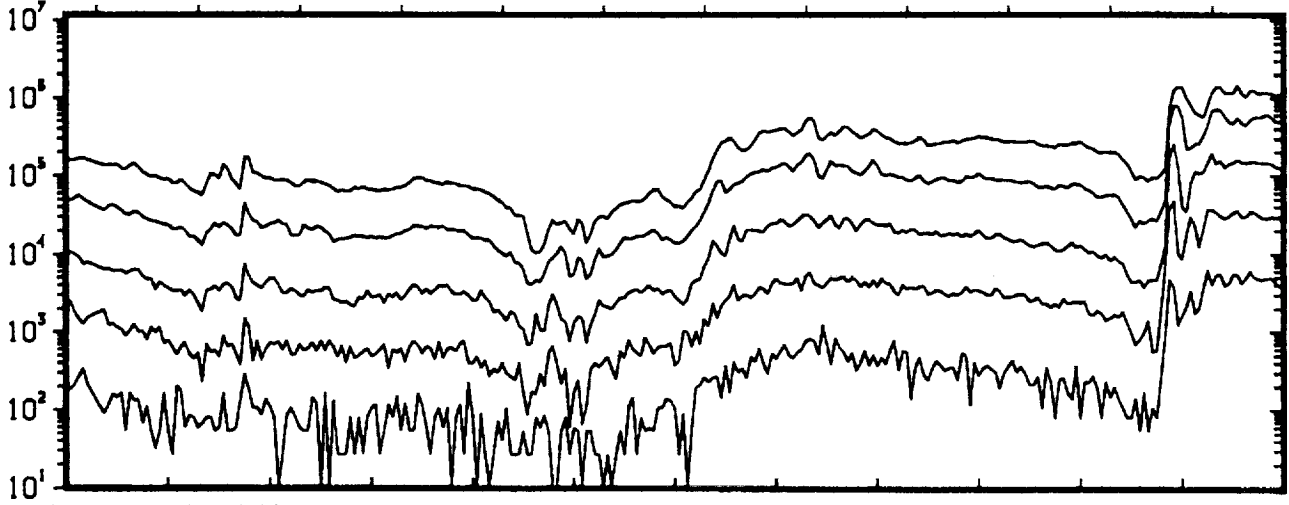
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



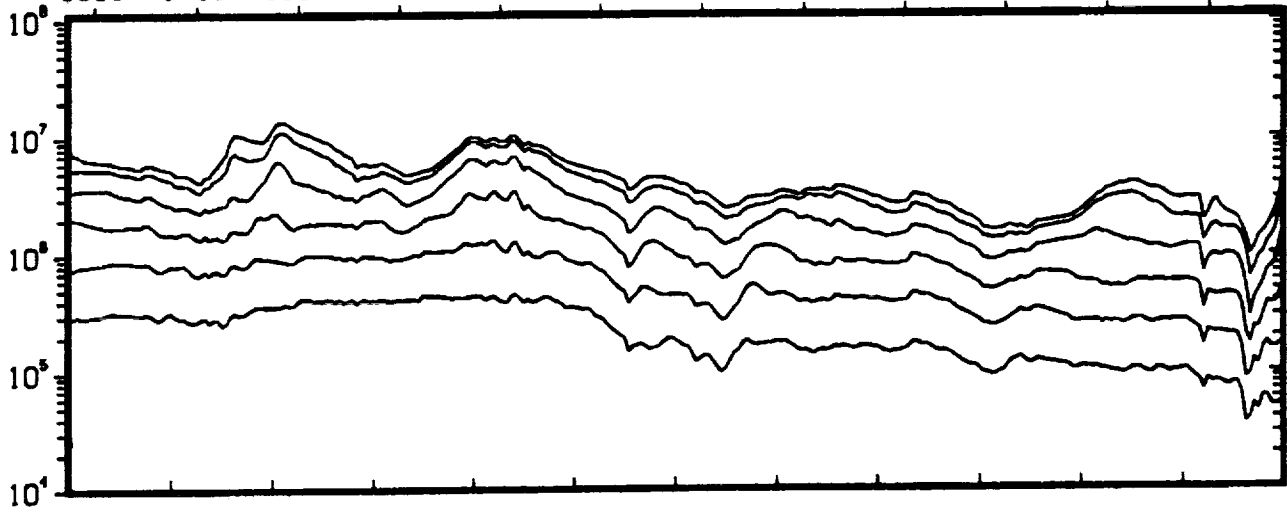
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

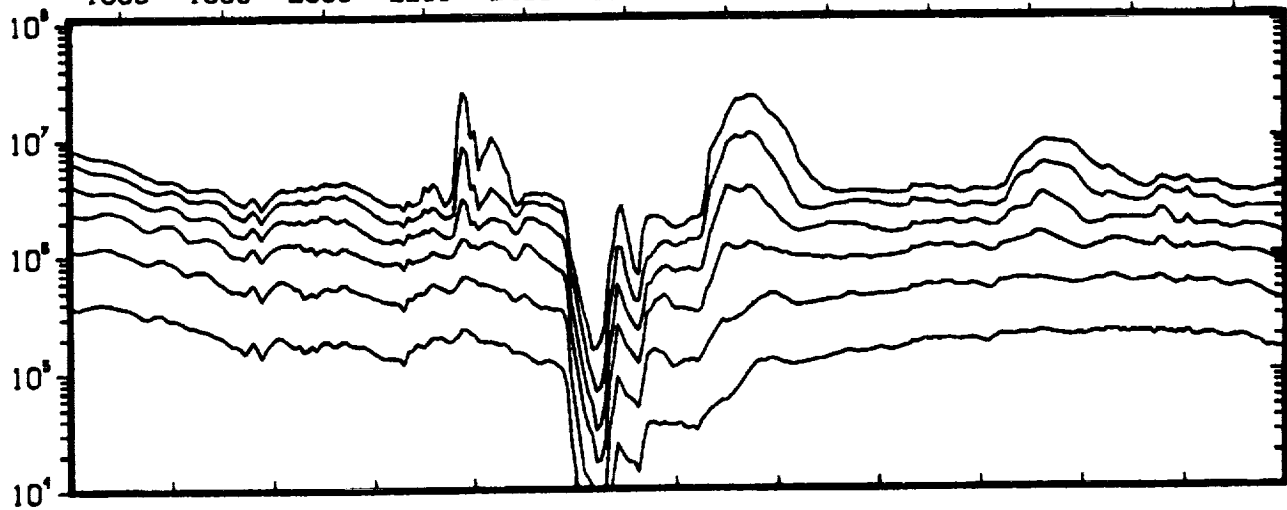
83/07/08

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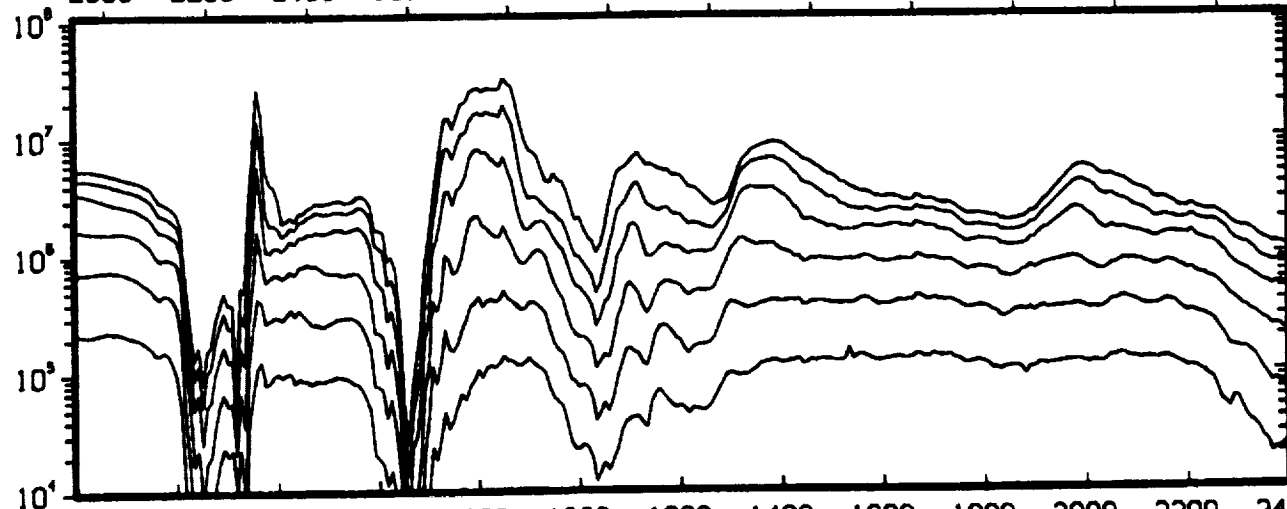
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



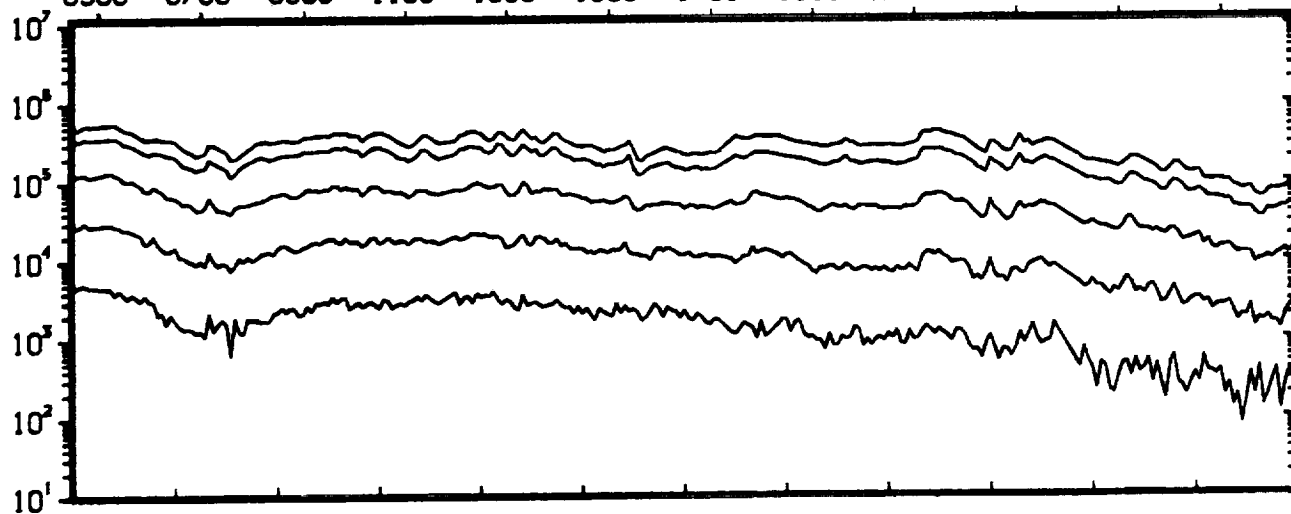
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

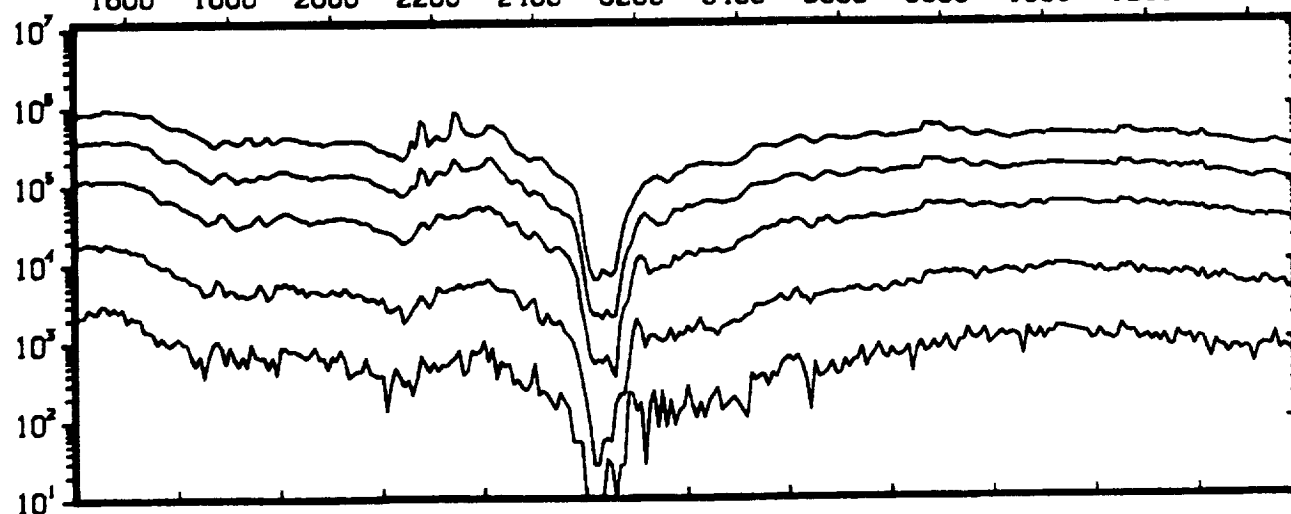
83/07/08

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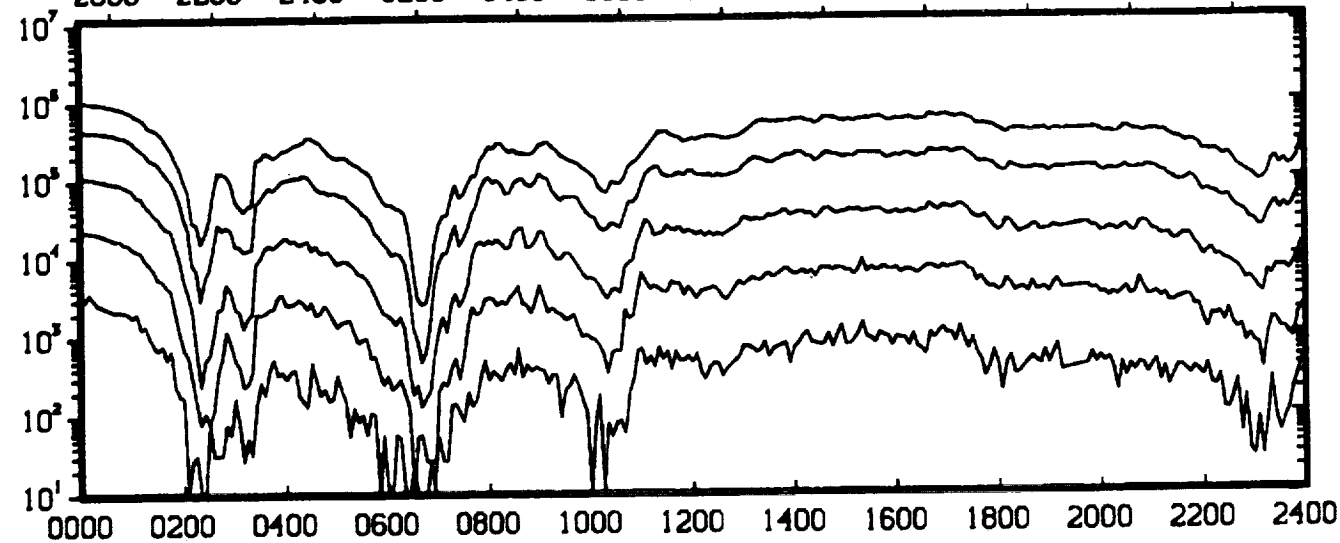
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



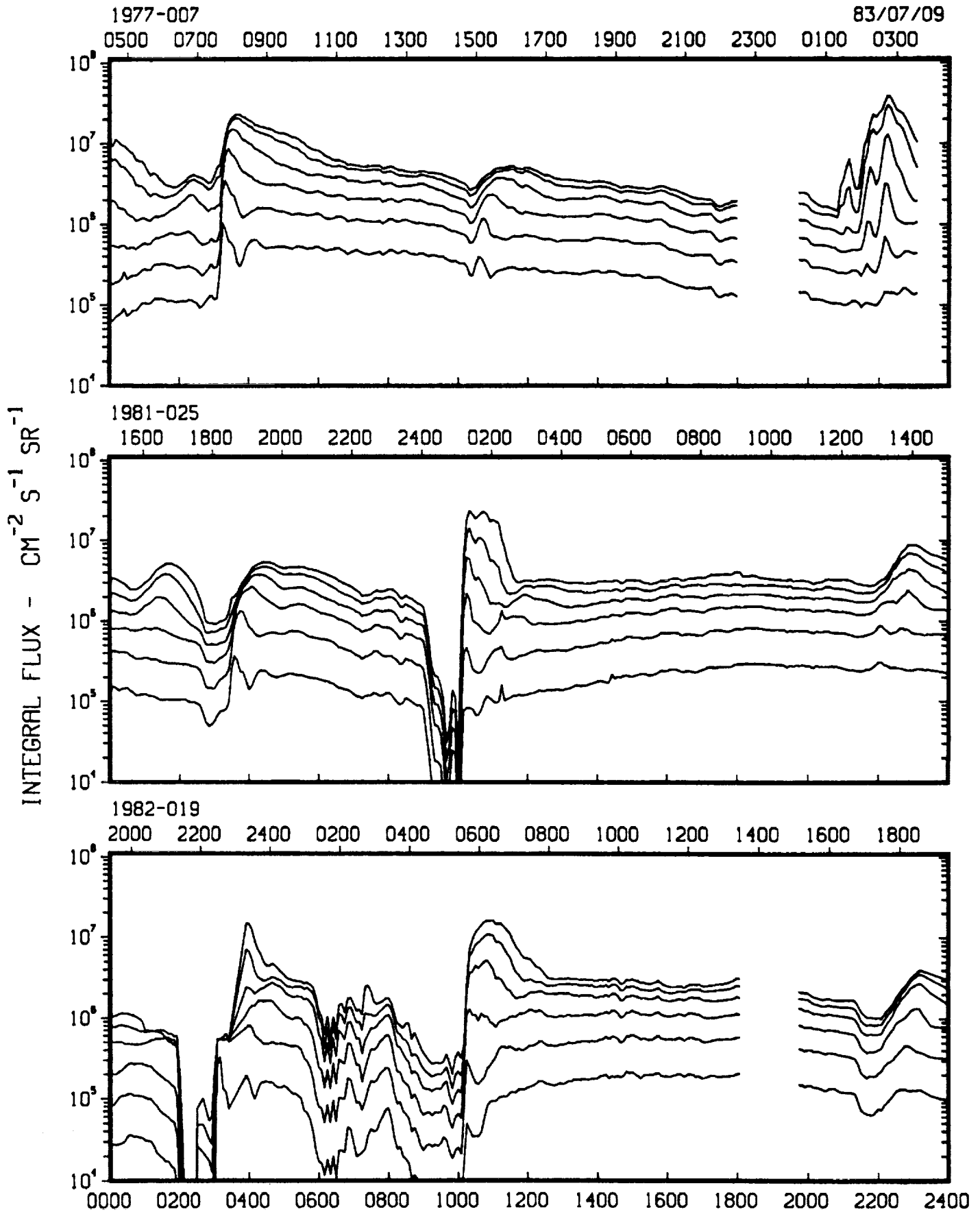
1982-019

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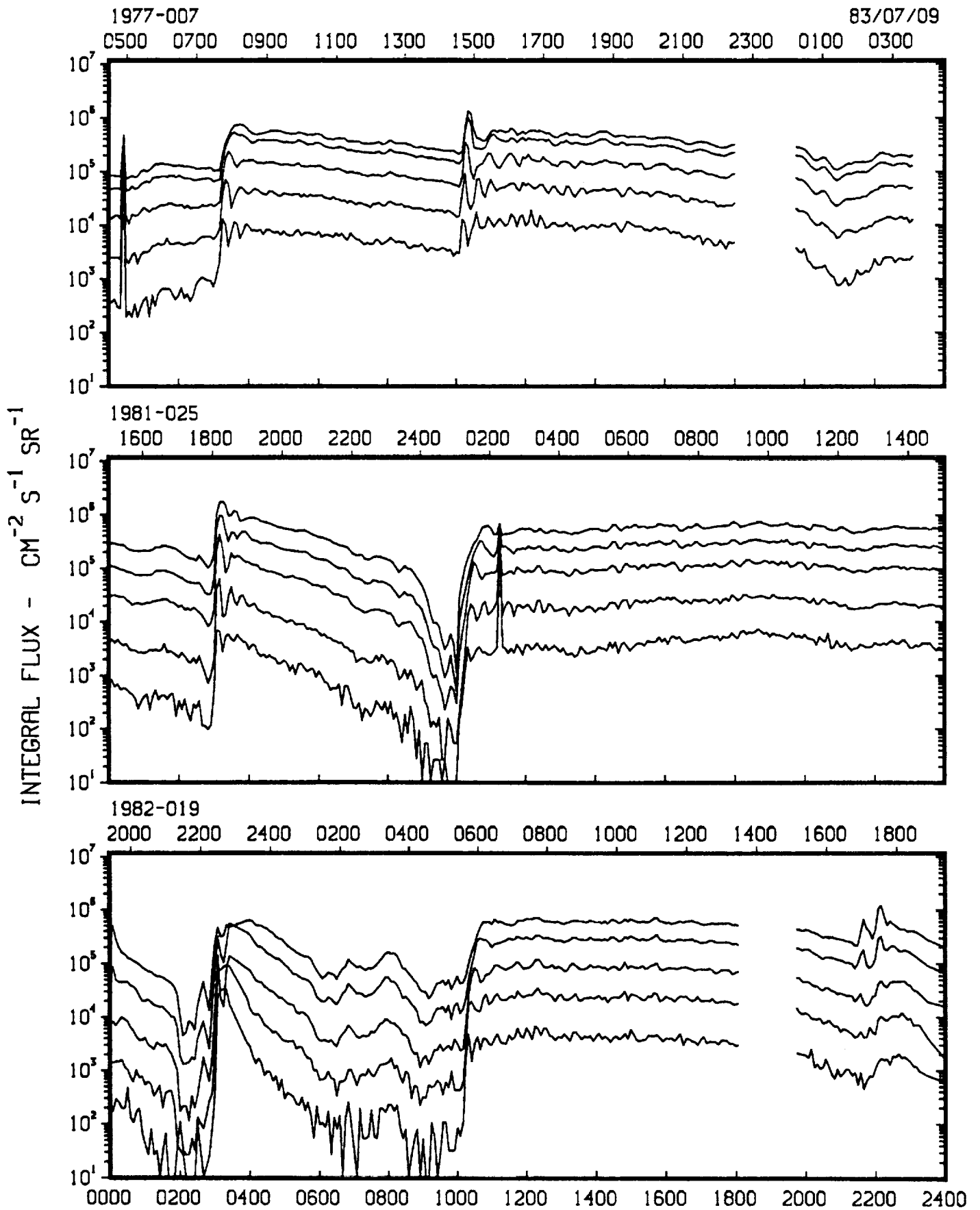


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS



# LOW ENERGY IONS

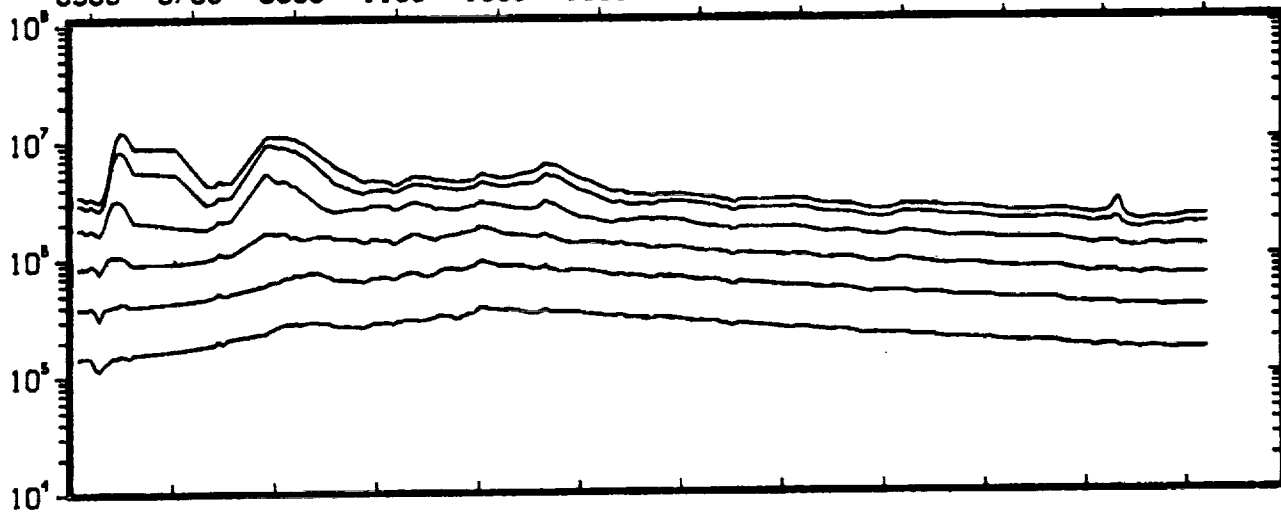


# LOW ENERGY ELECTRONS

1977-007

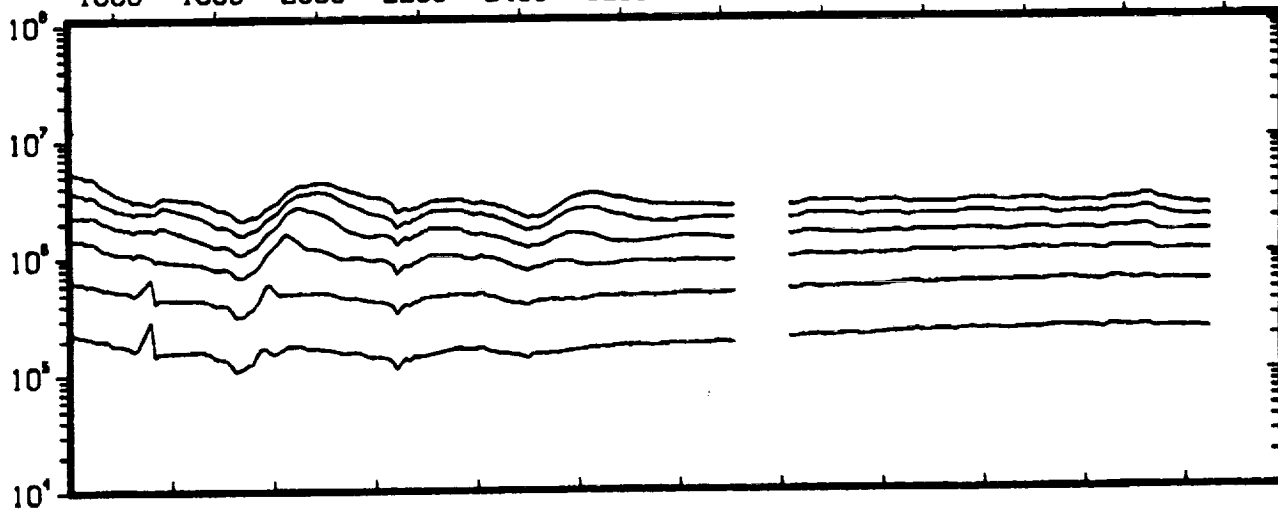
83/07/10

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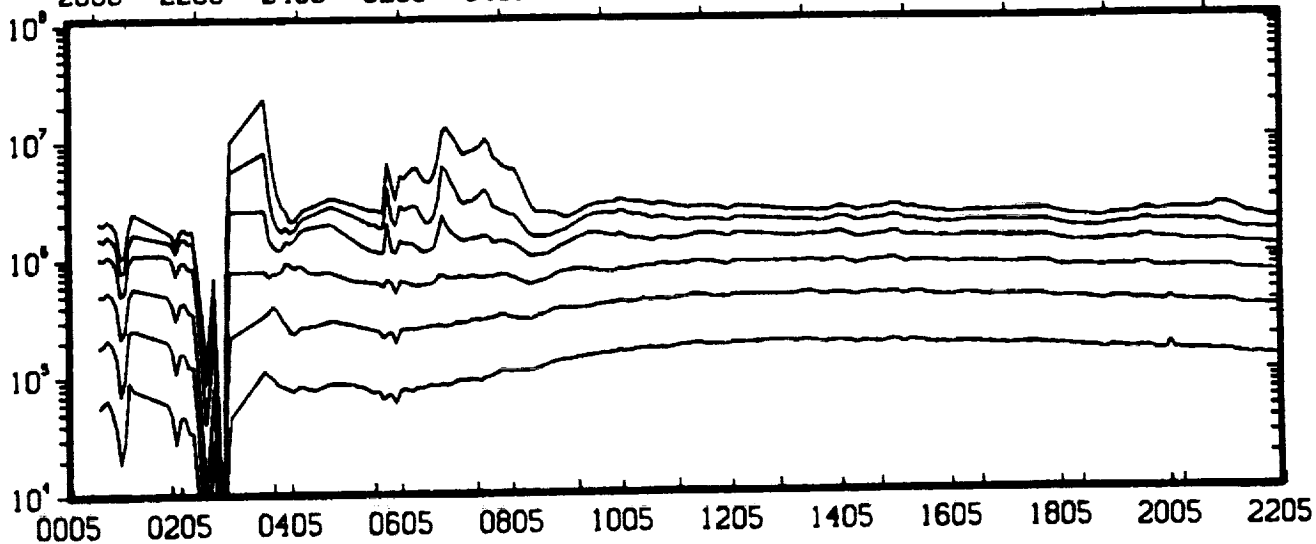
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

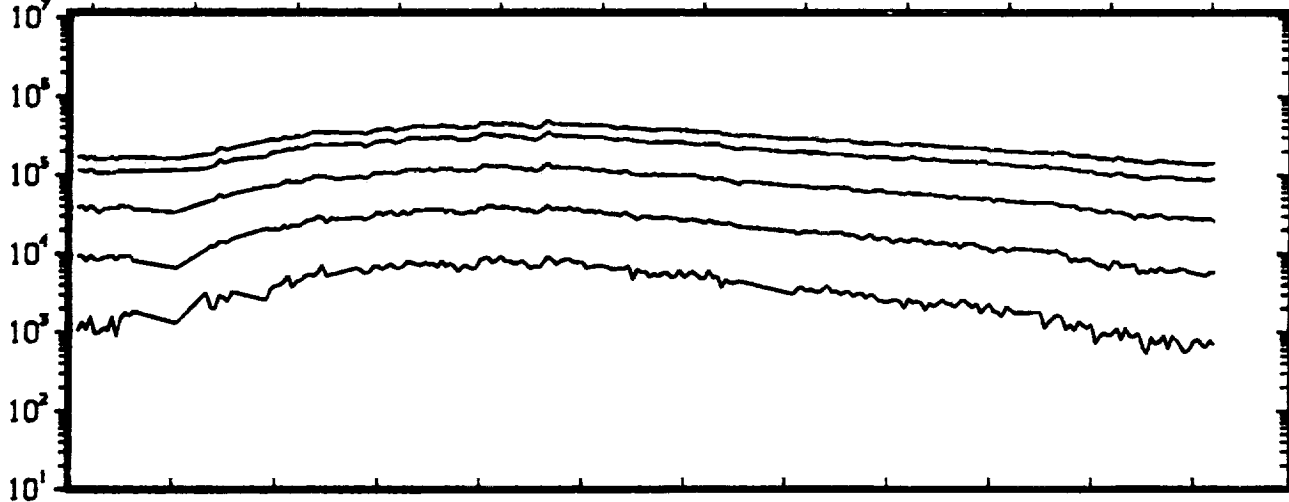
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

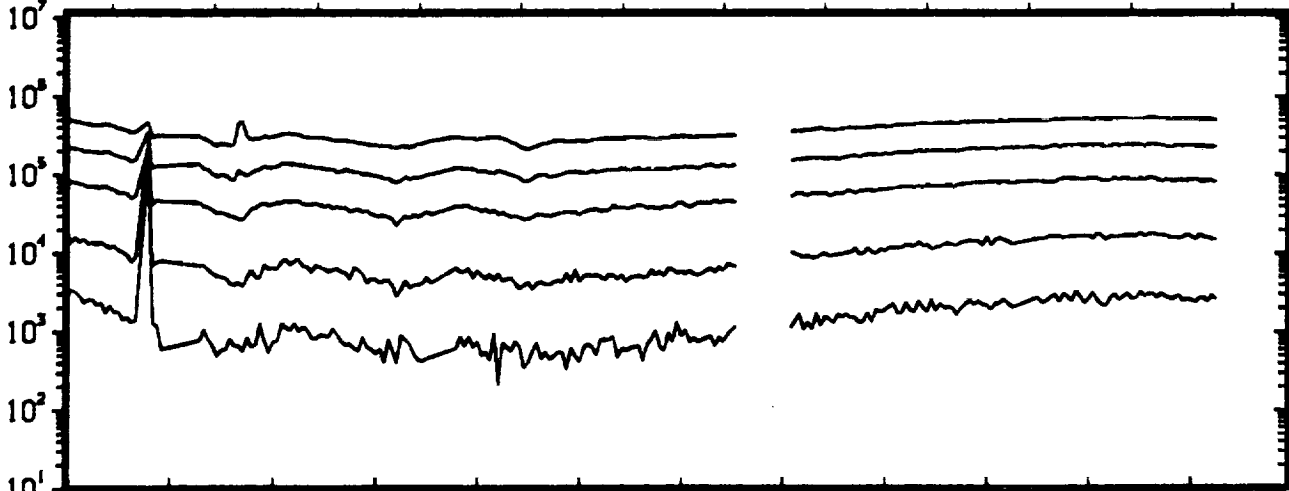
# LOW ENERGY IONS

1977-007 83/07/10  
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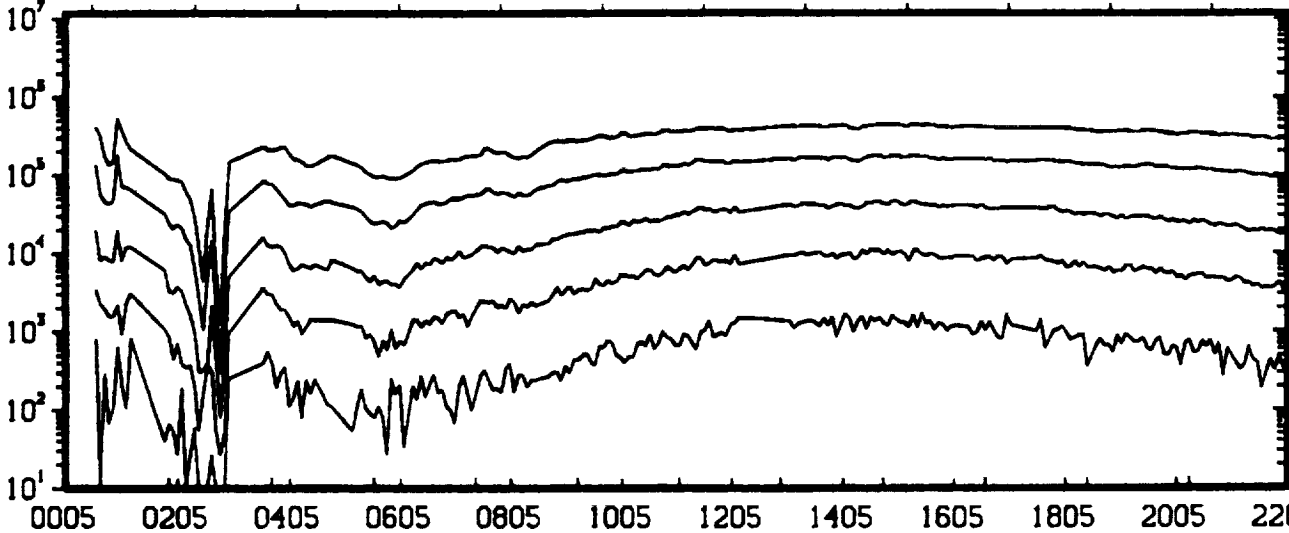


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

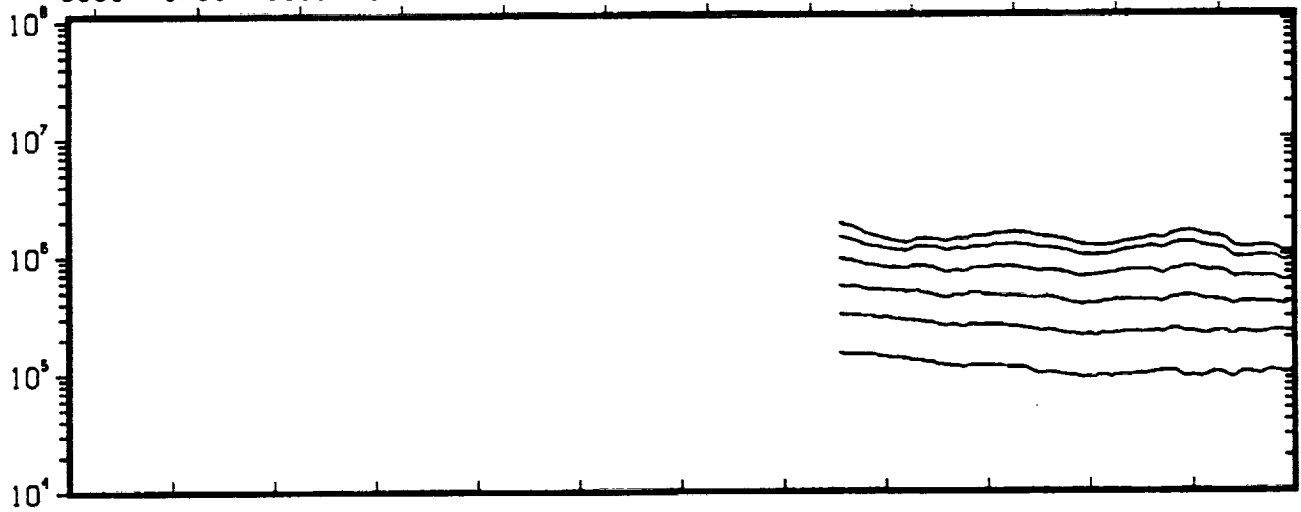


# LOW ENERGY ELECTRONS

1977-007

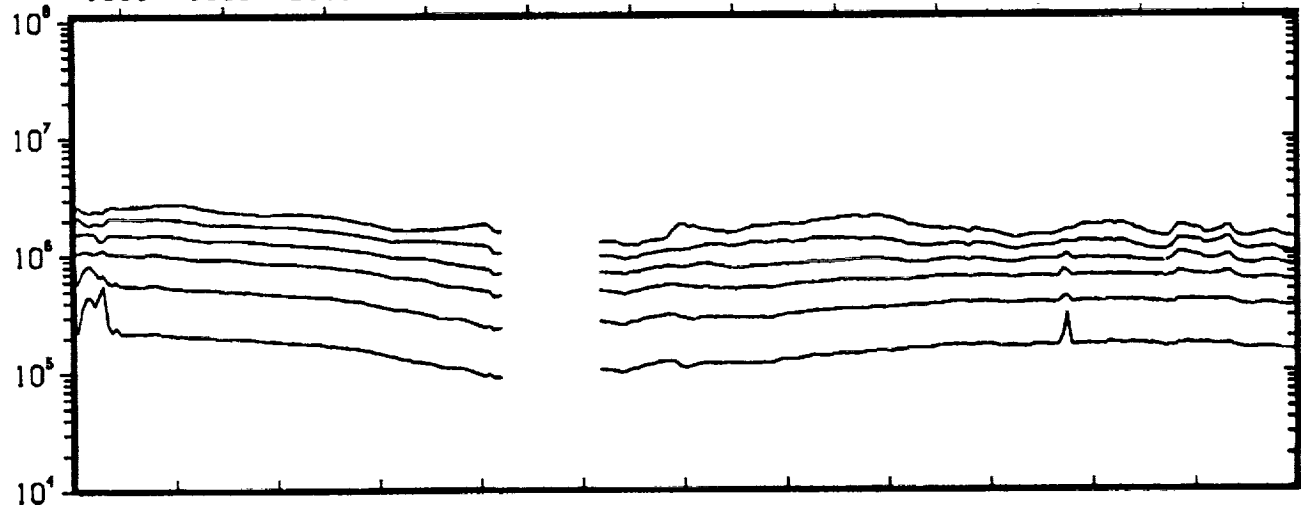
83/07/11

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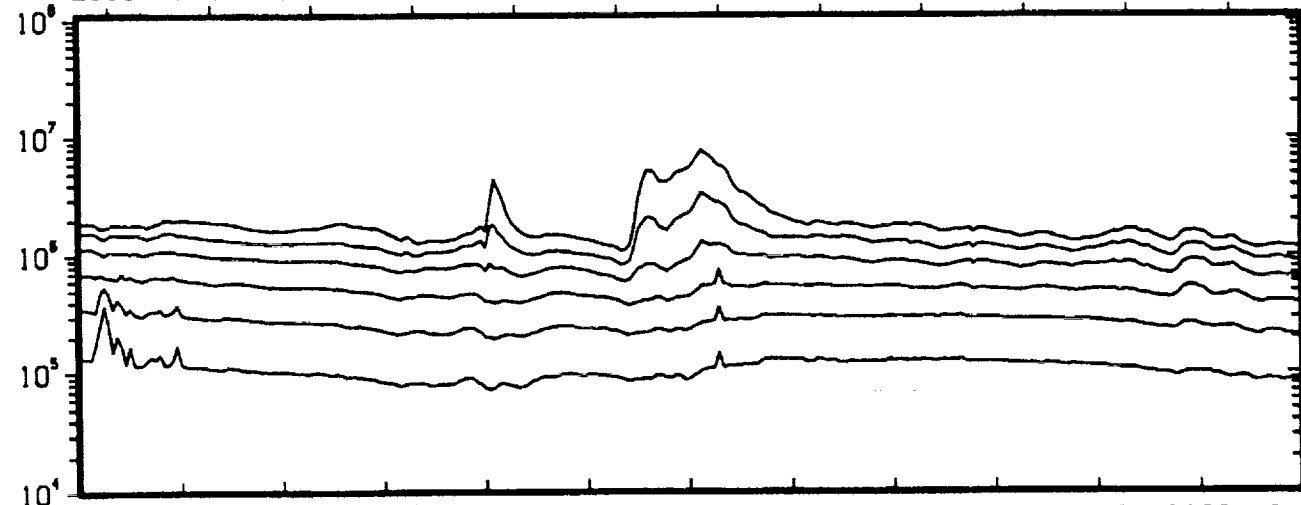
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

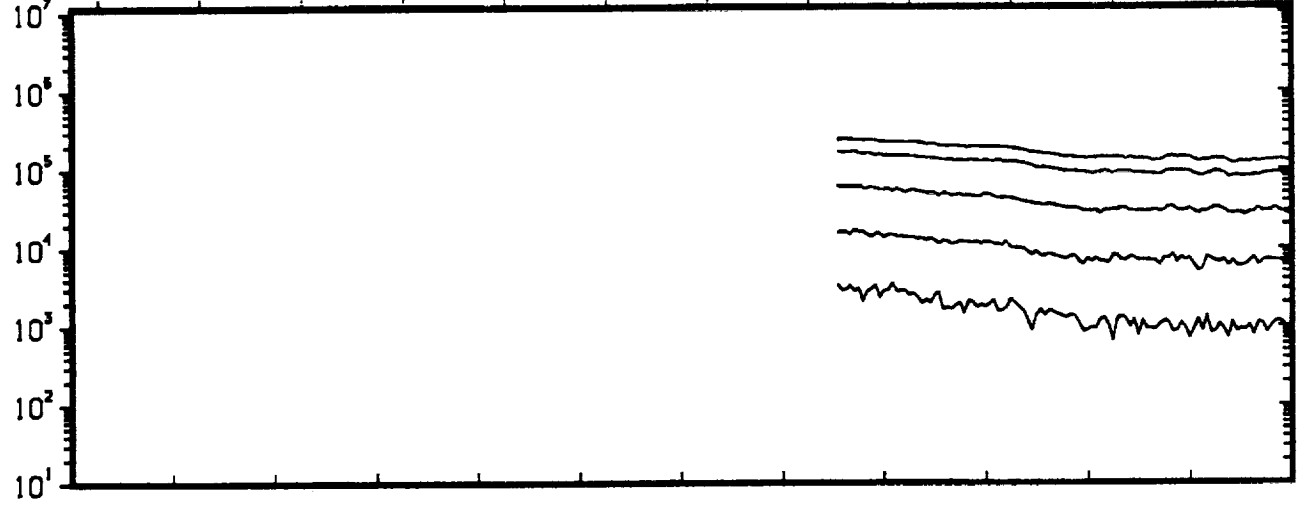


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

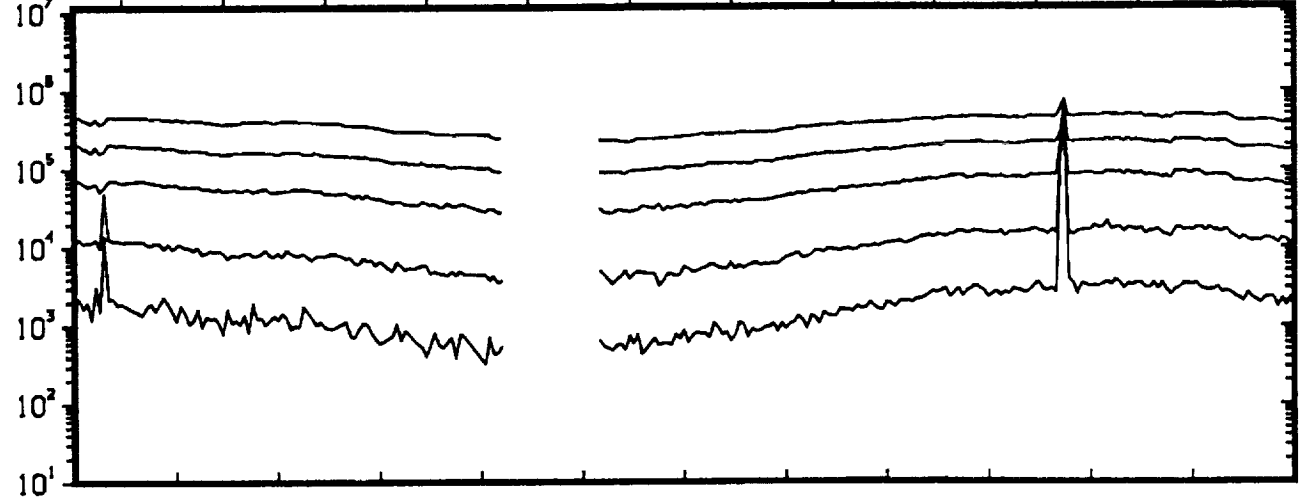


# LOW ENERGY IONS

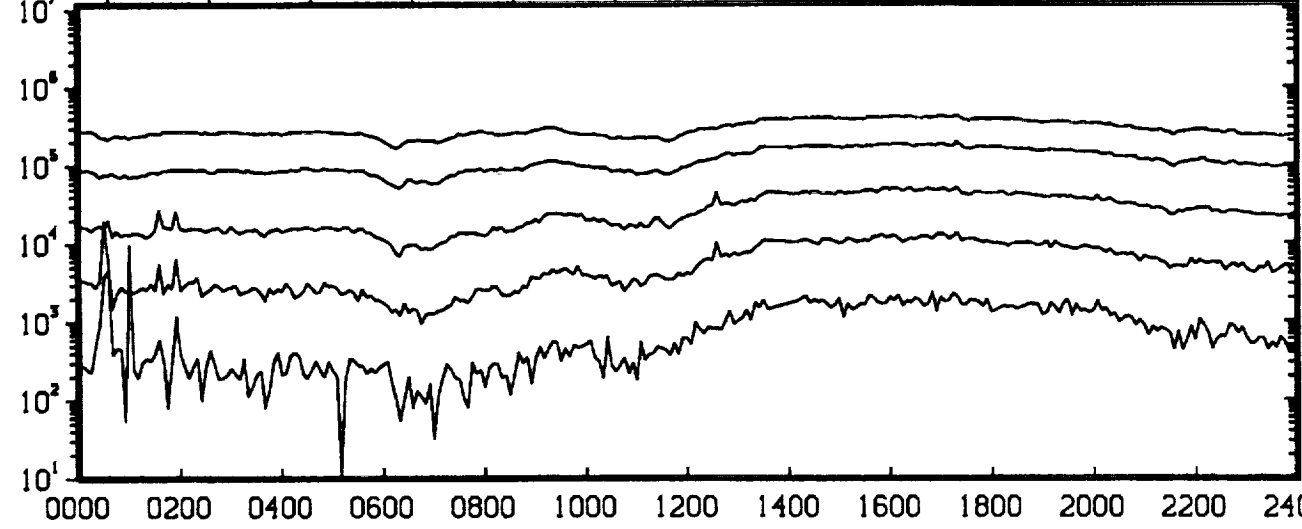
1977-007 83/07/11  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
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1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



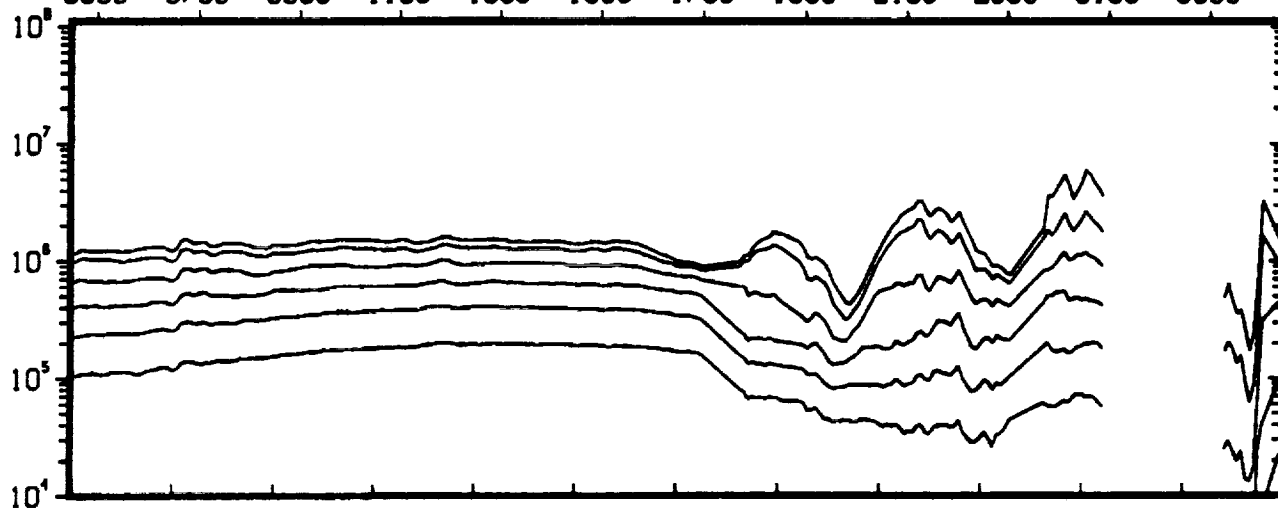
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

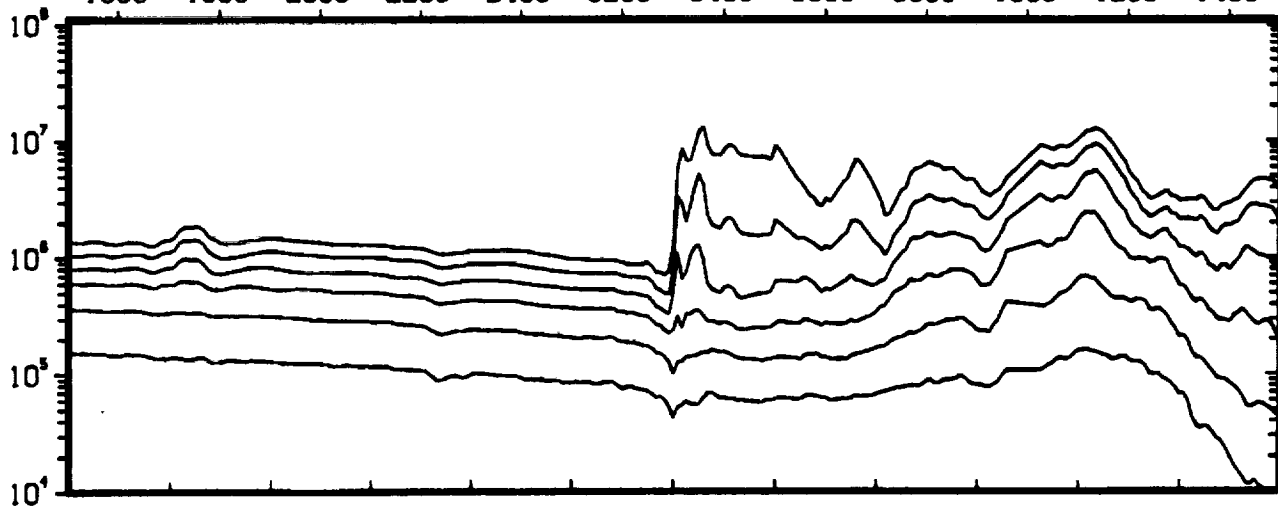
83/07/12

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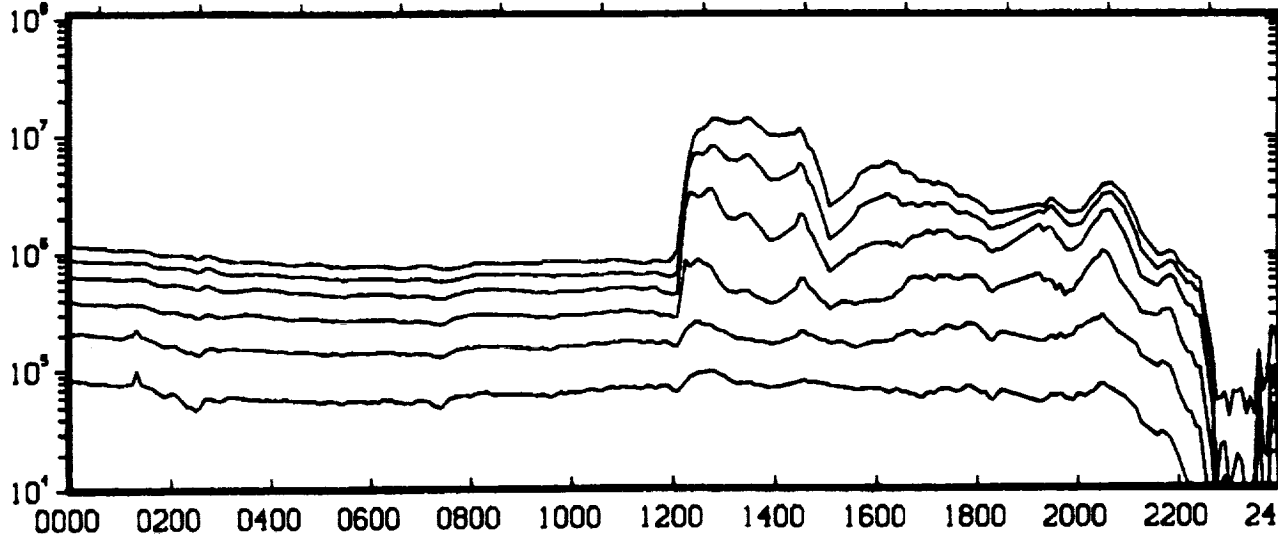
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



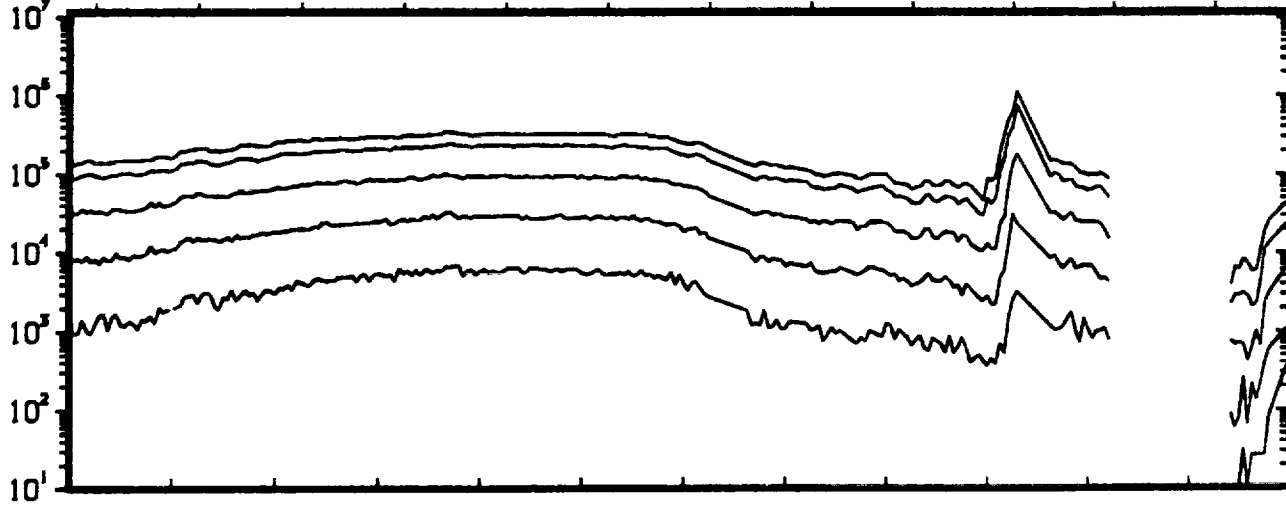
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

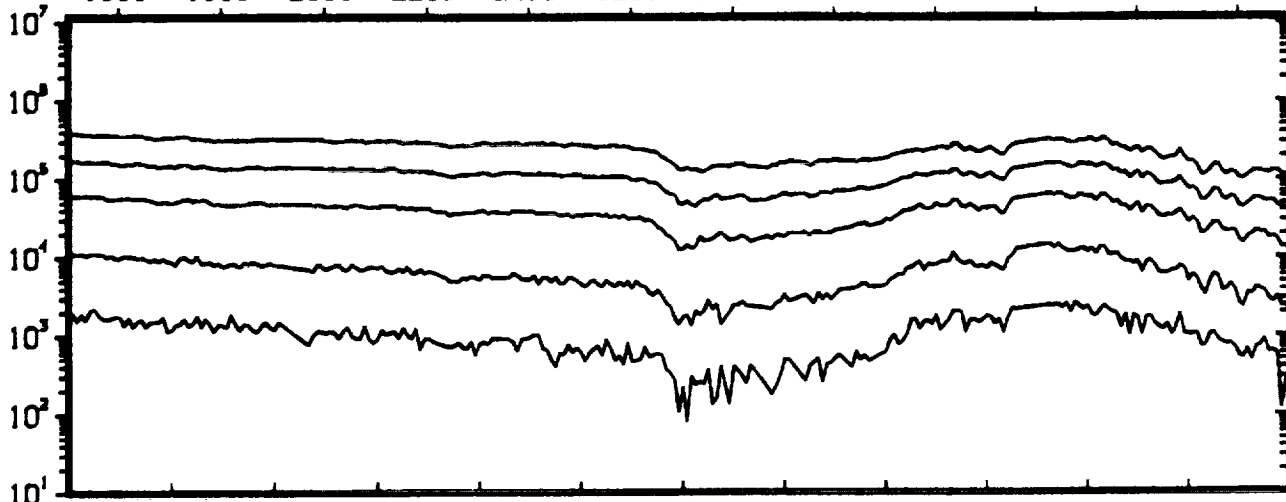
83/07/12

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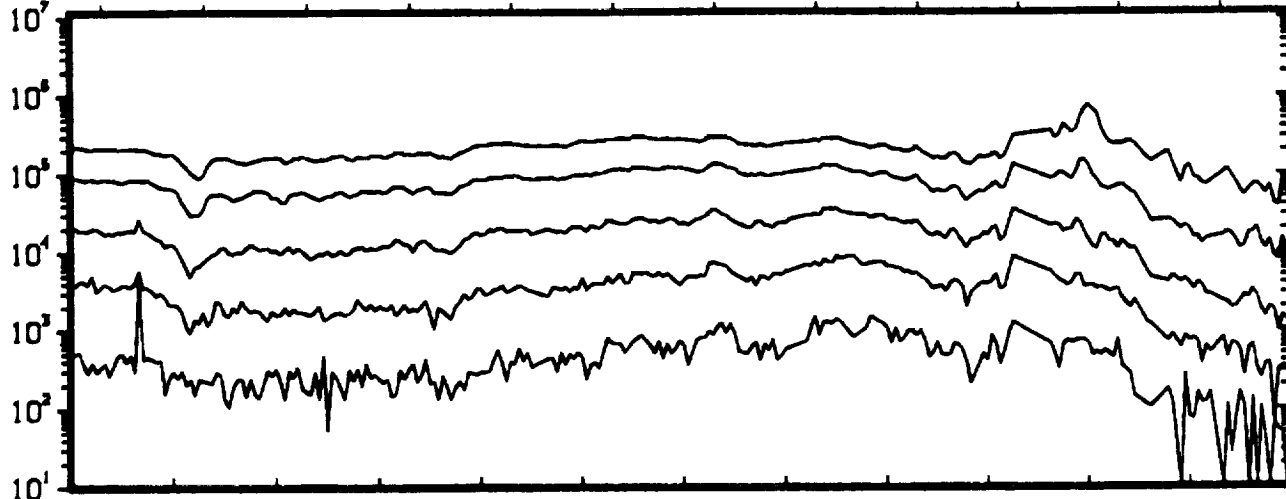
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



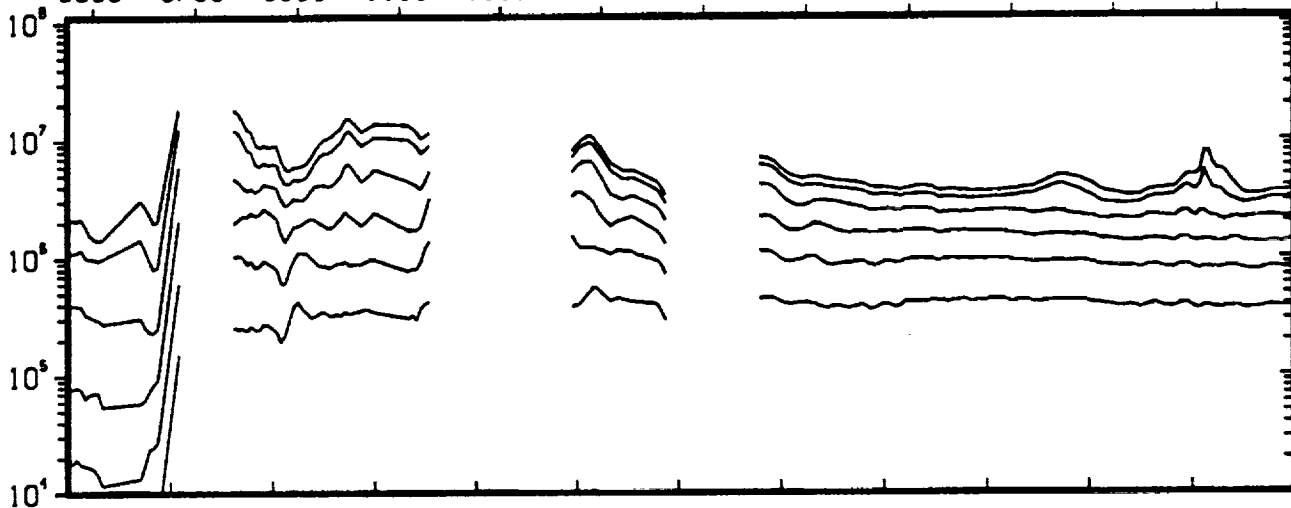
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

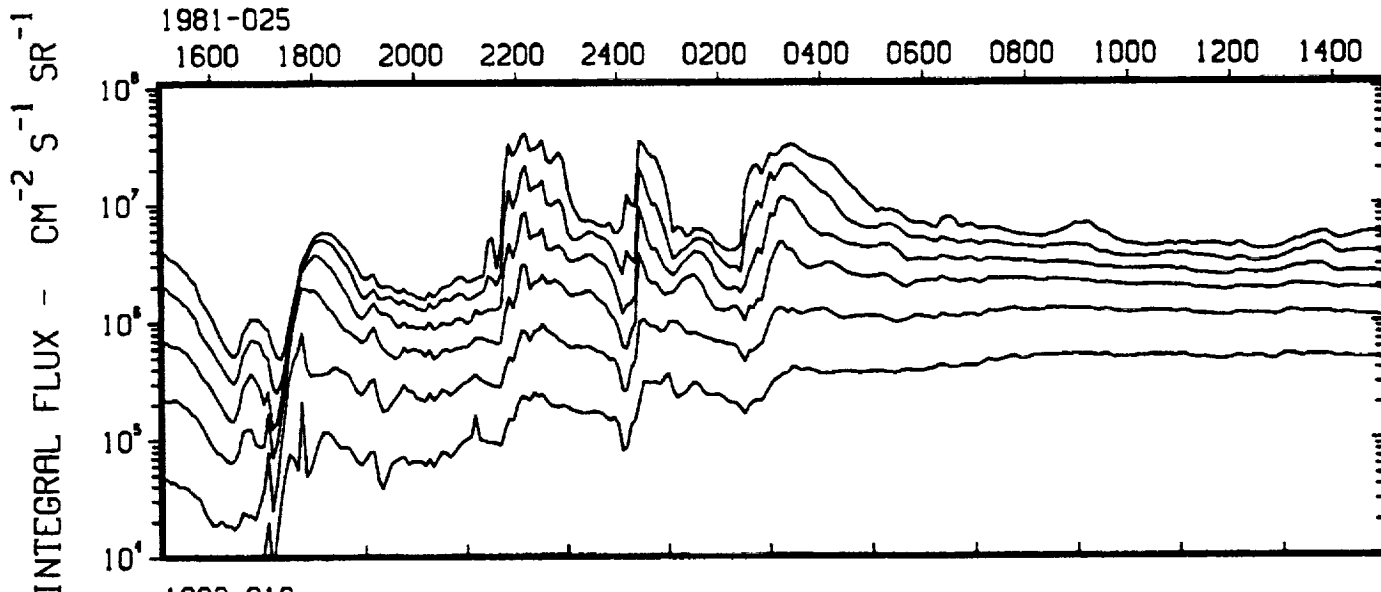
83/07/13

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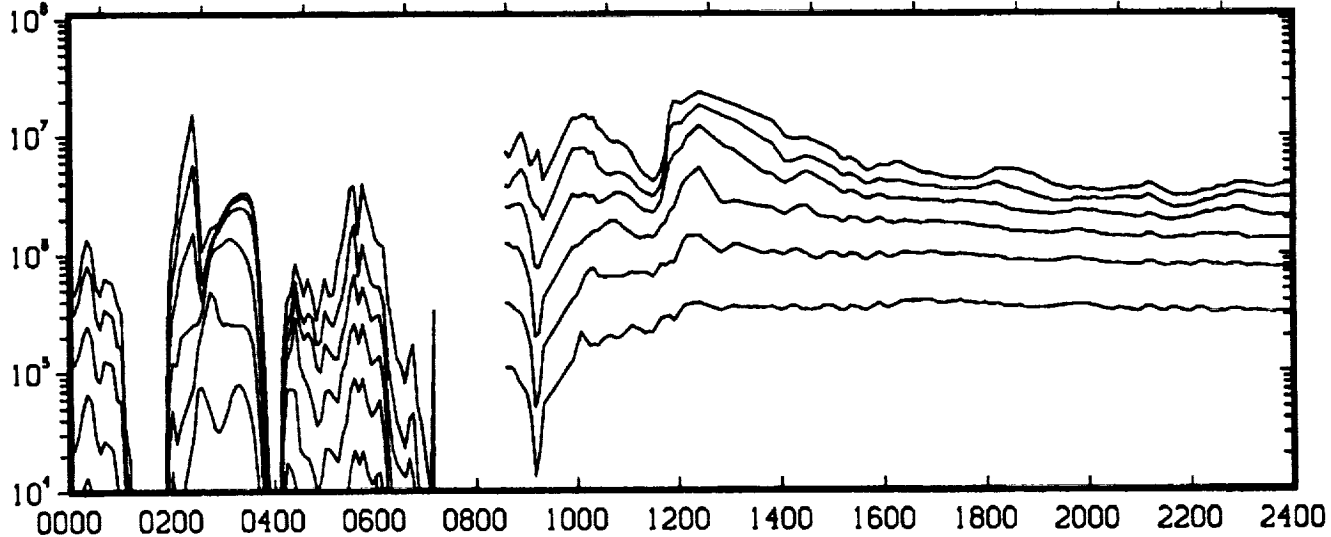
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



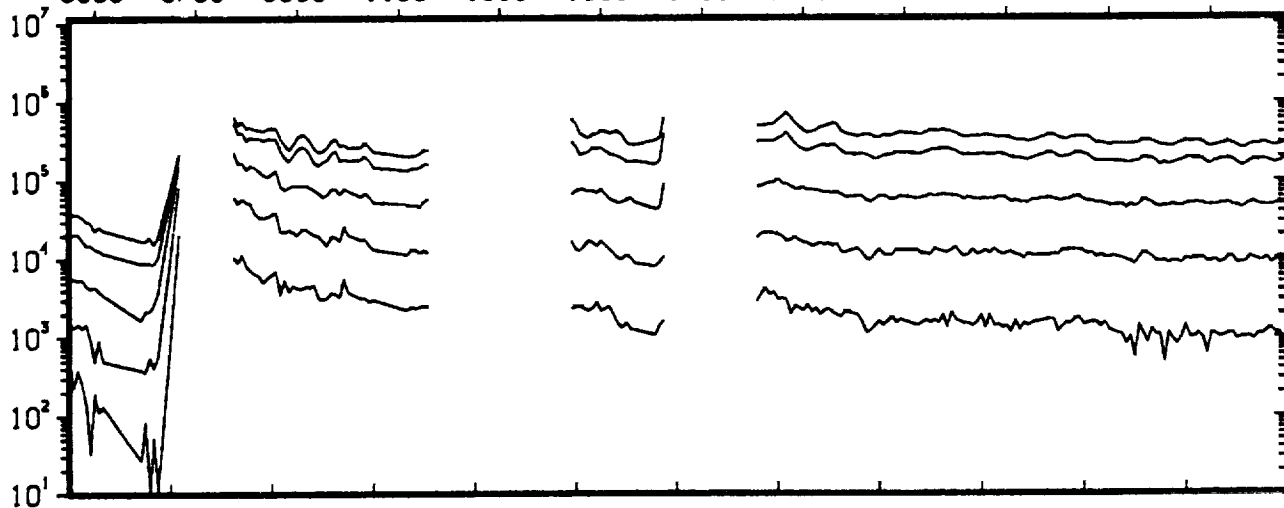
1982-019

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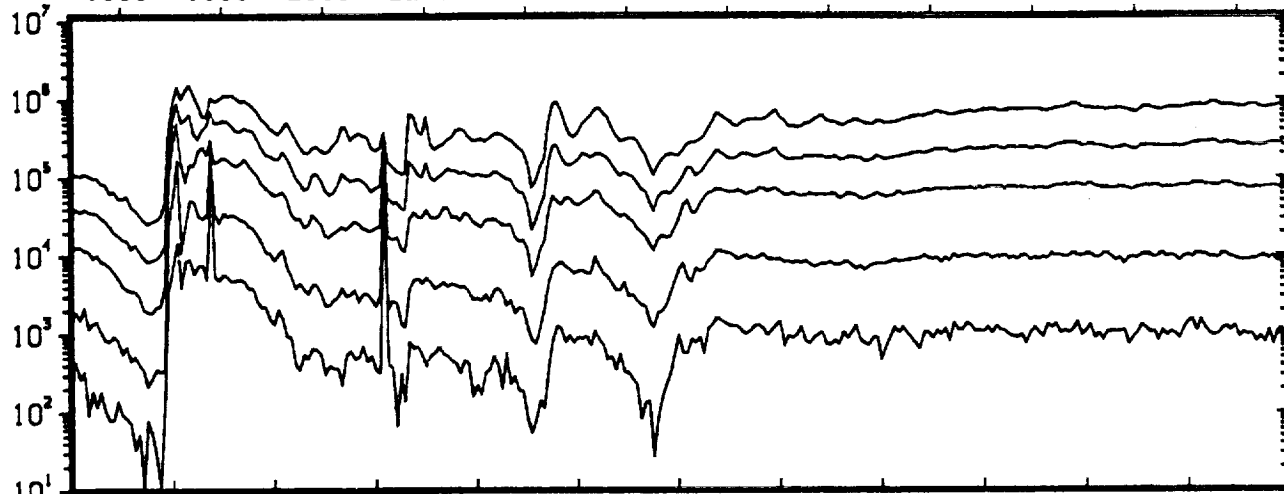
# LOW ENERGY IONS

1977-007 83/07/13  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

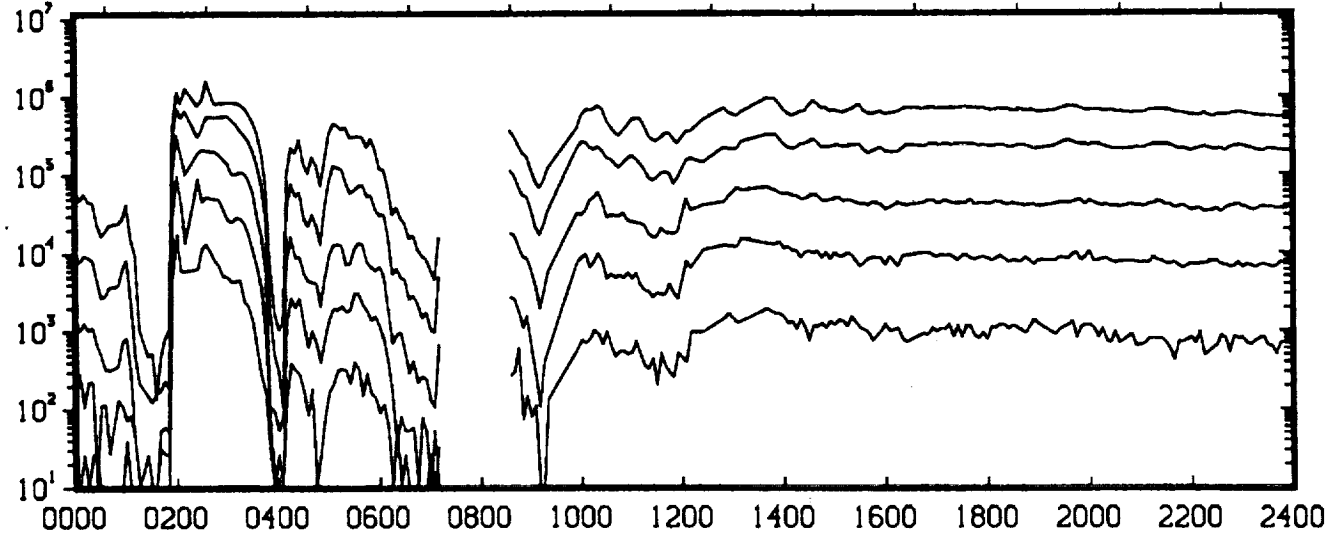


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

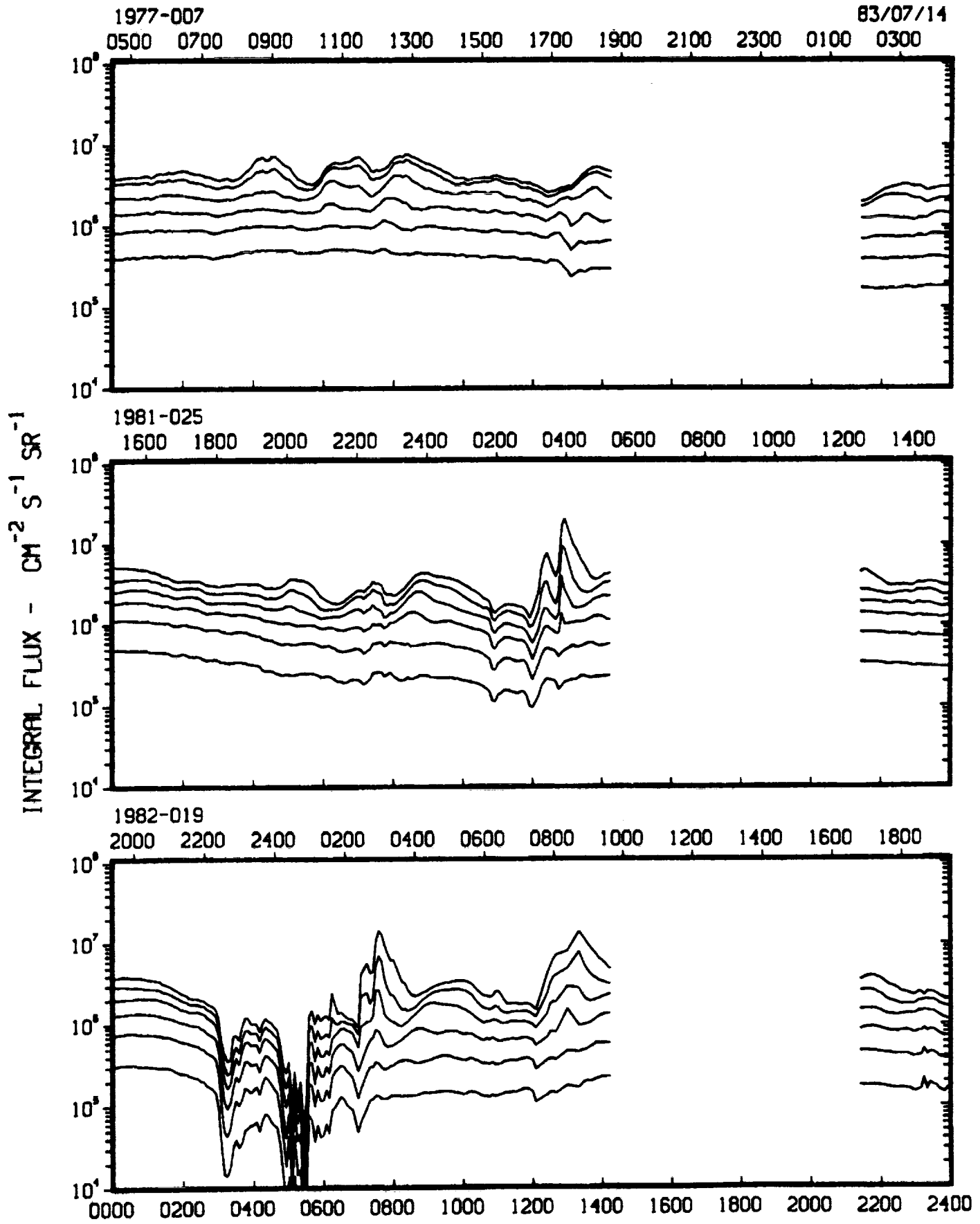
1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



# LOW ENERGY ELECTRONS

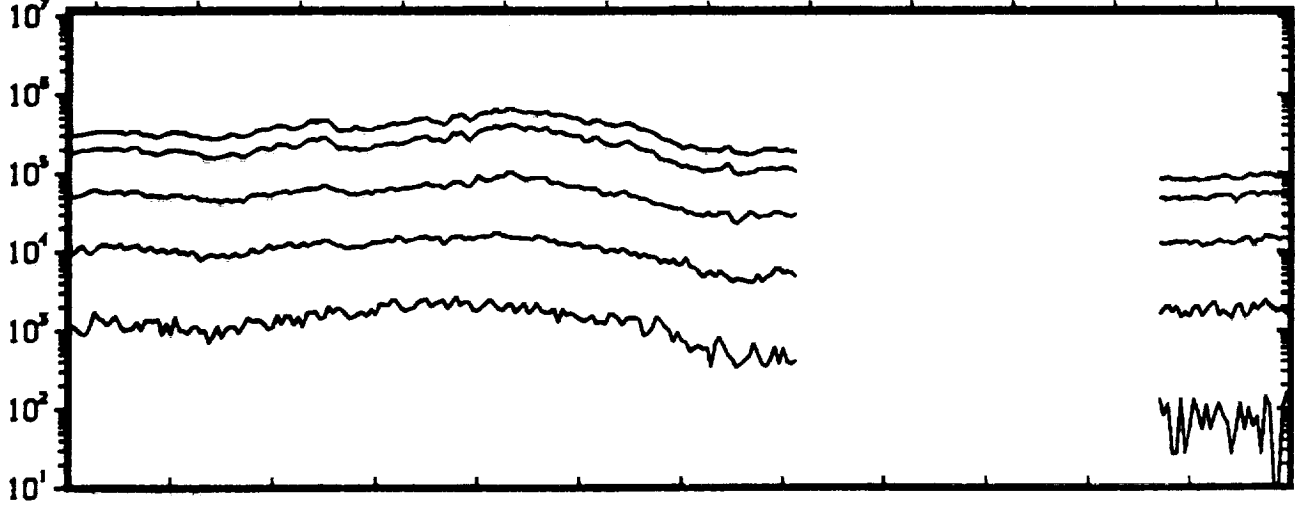


# LOW ENERGY IONS

1977-007

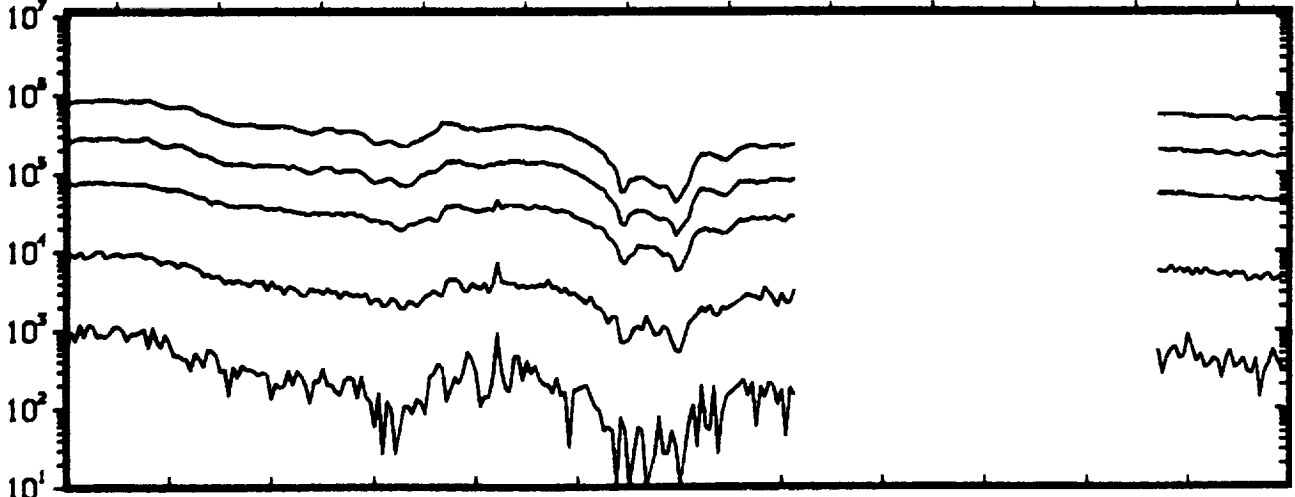
83/07/14

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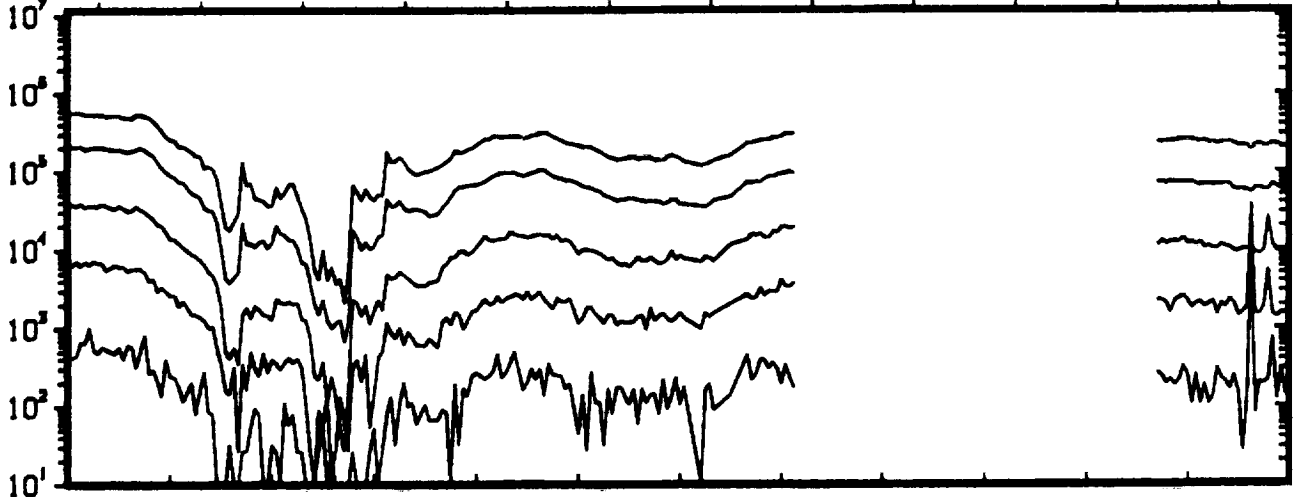
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

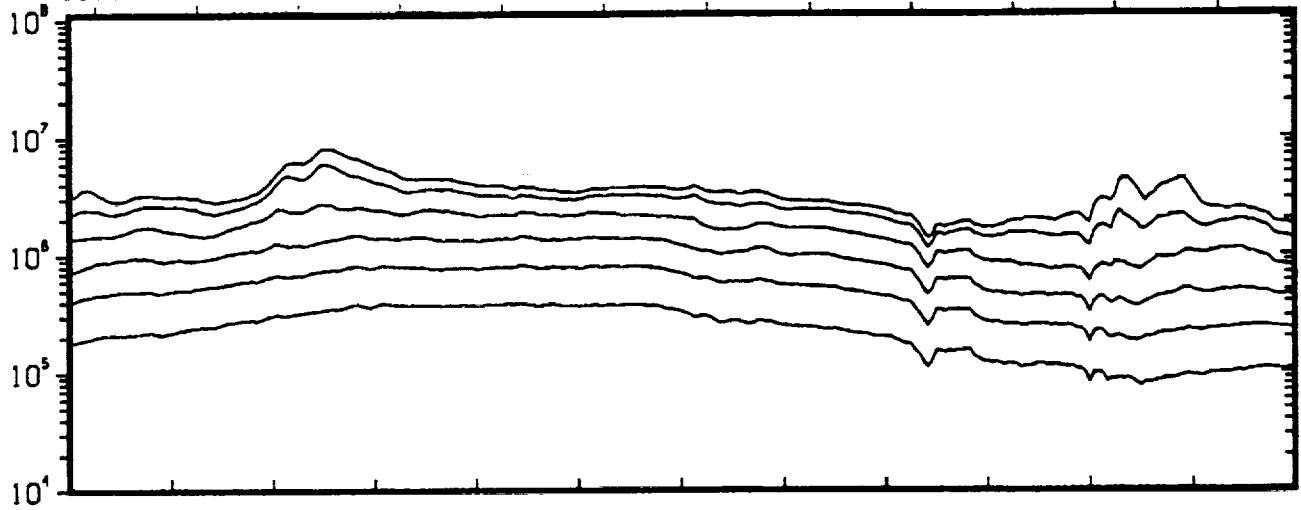
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

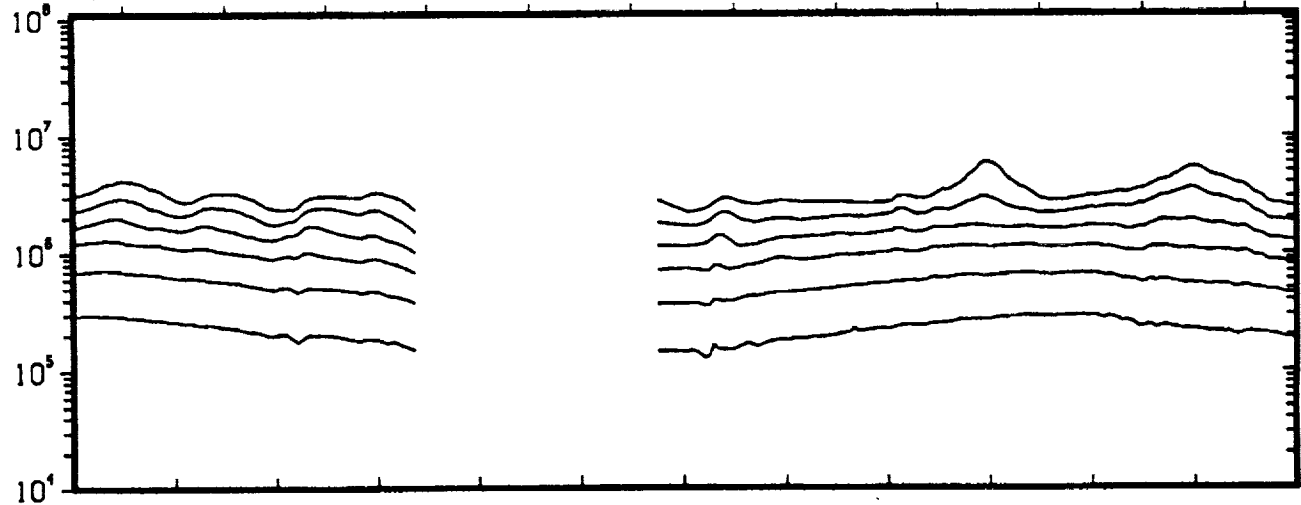
83/07/15

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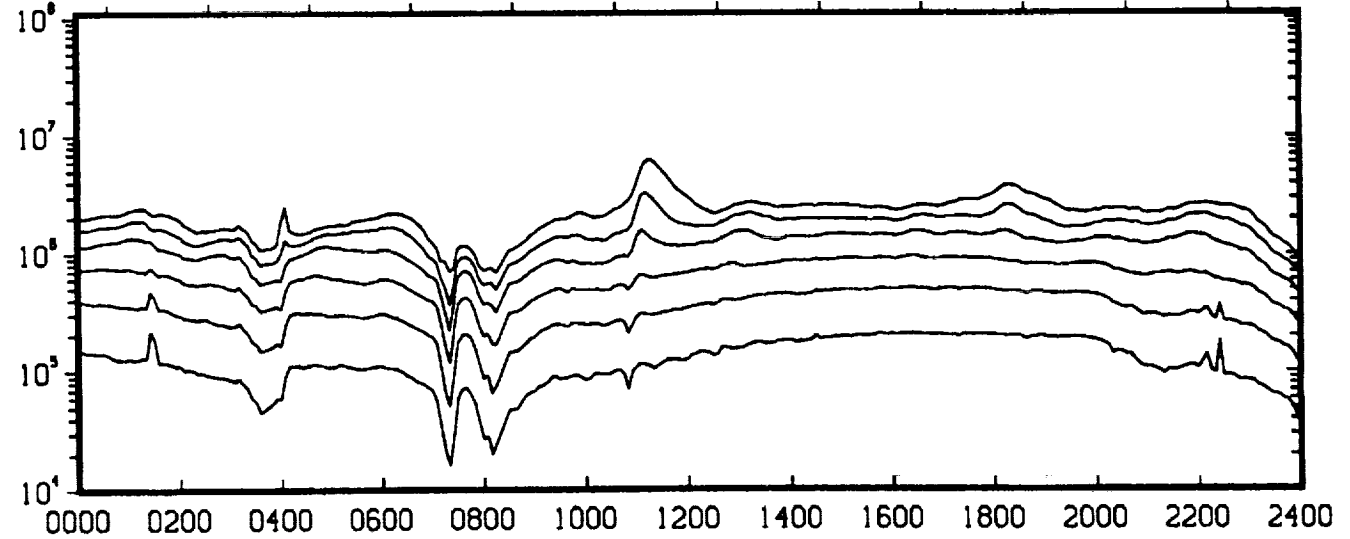
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

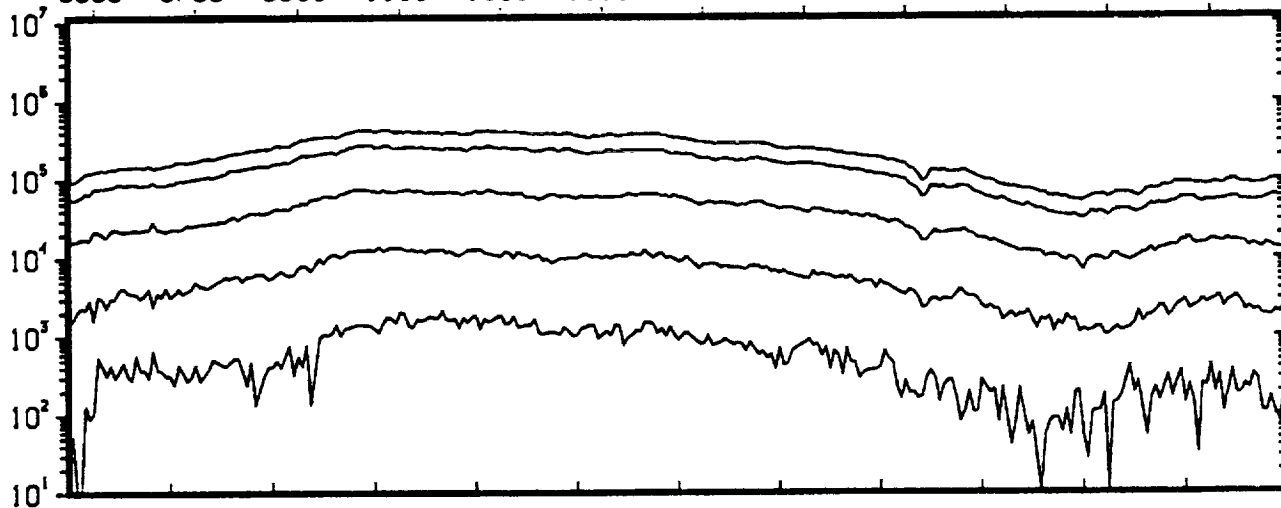


# LOW ENERGY IONS

1977-007

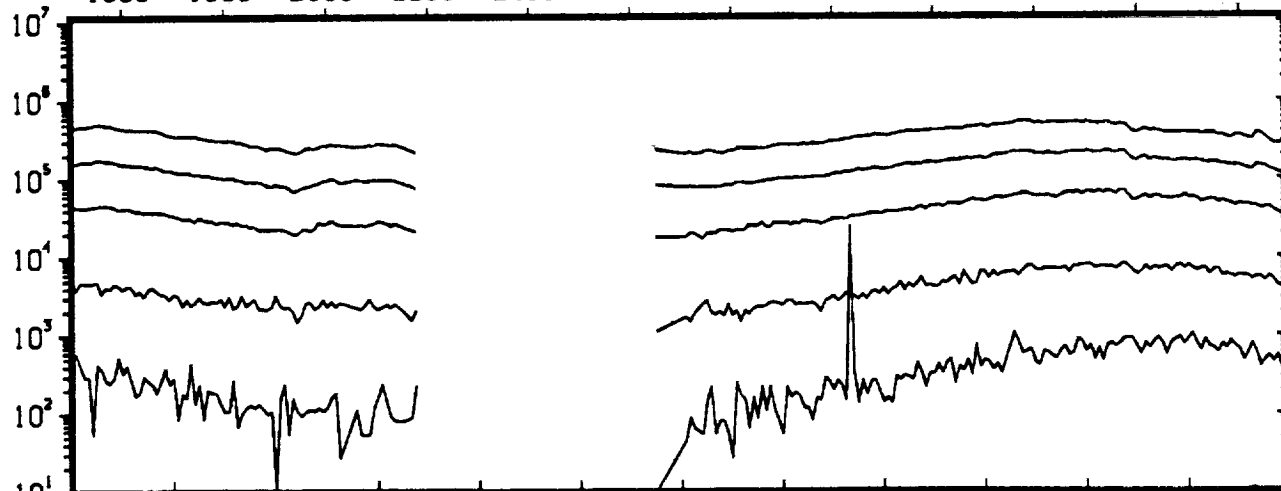
83/07/15

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



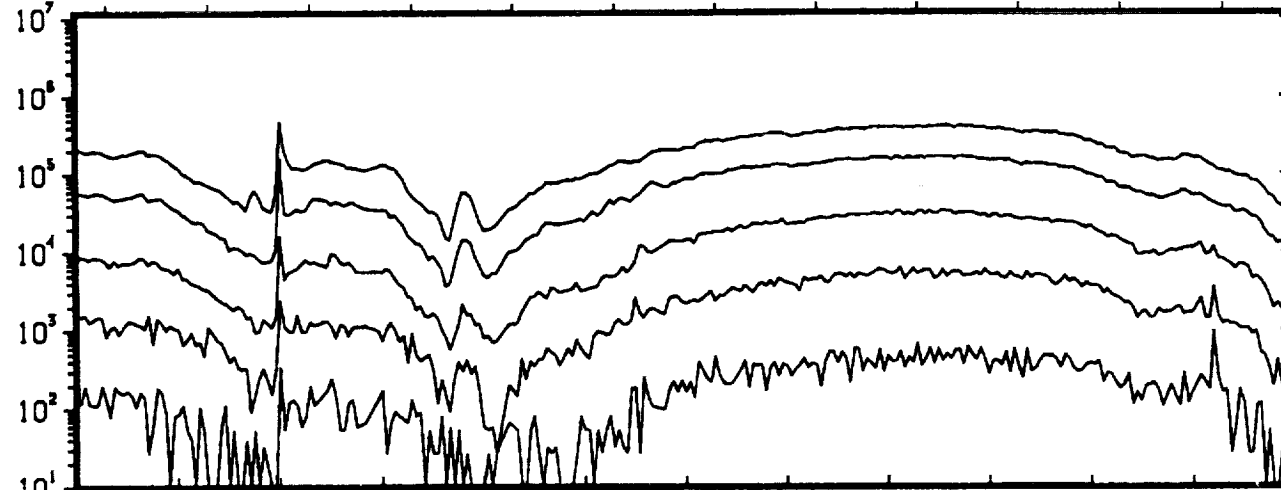
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

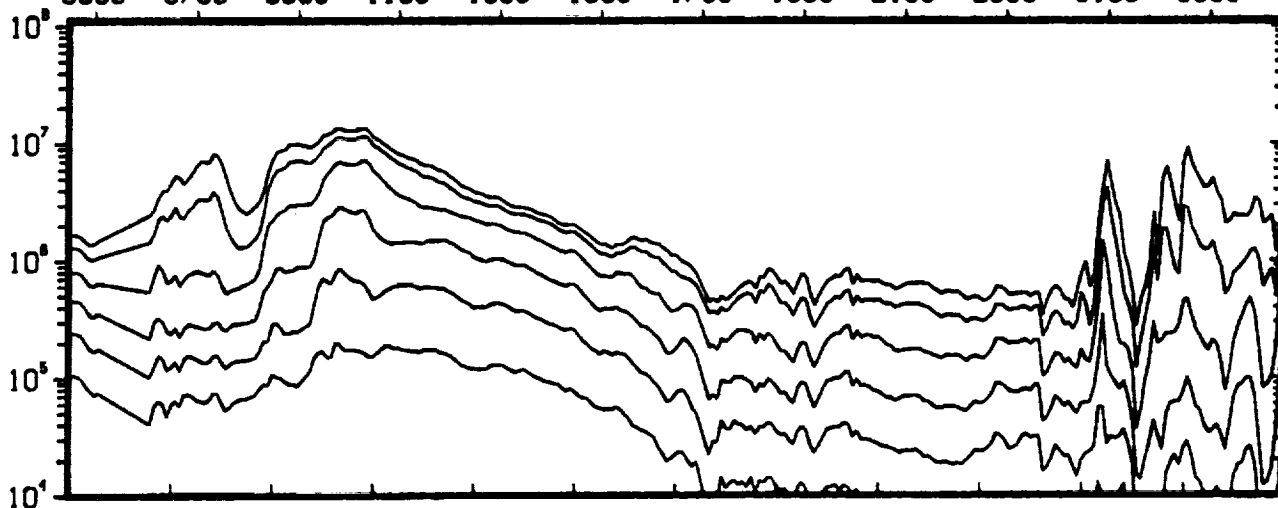
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

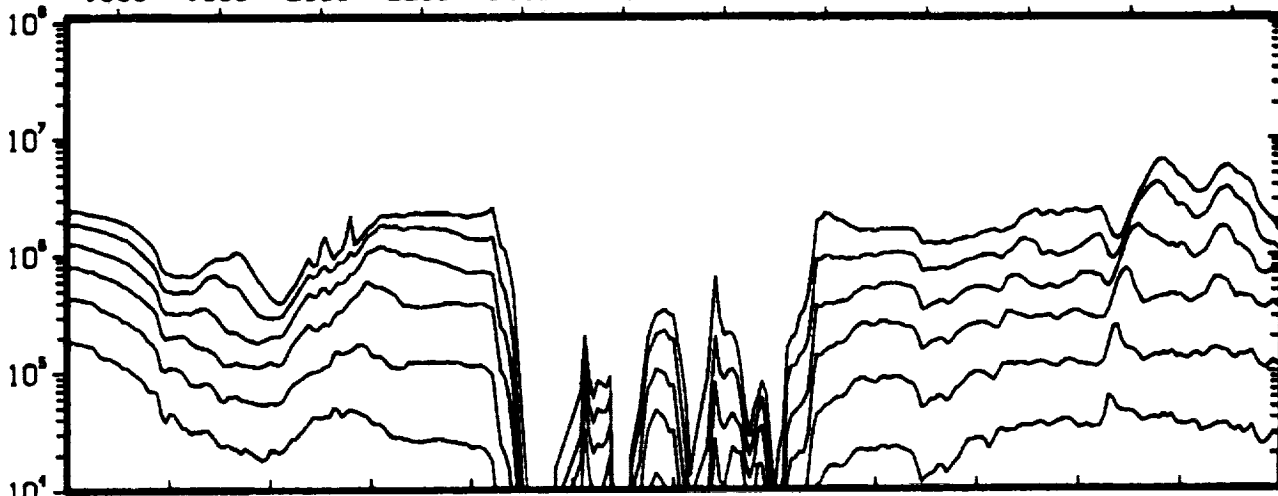
83/07/16

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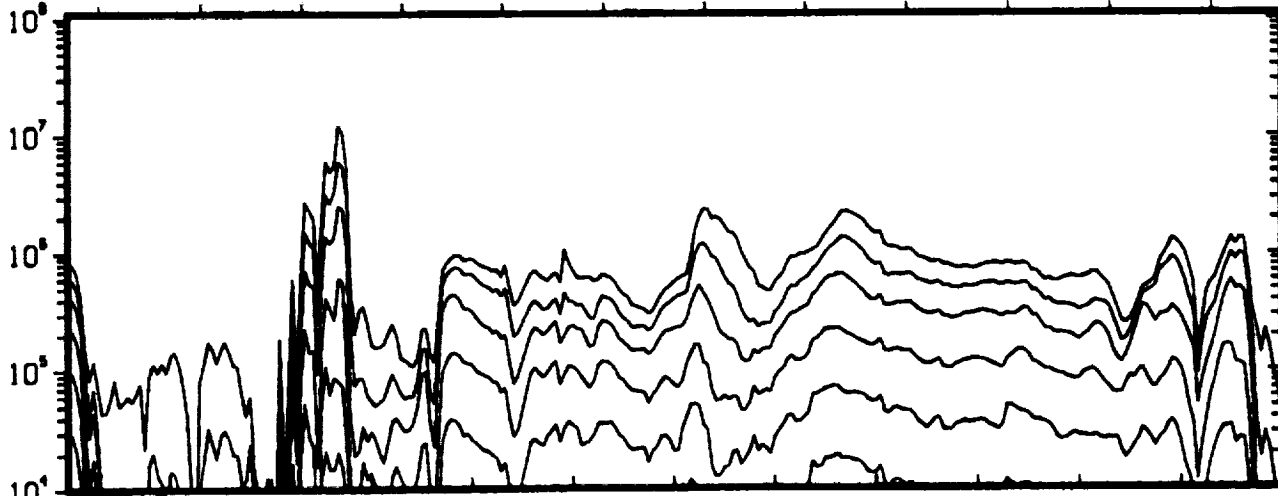
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



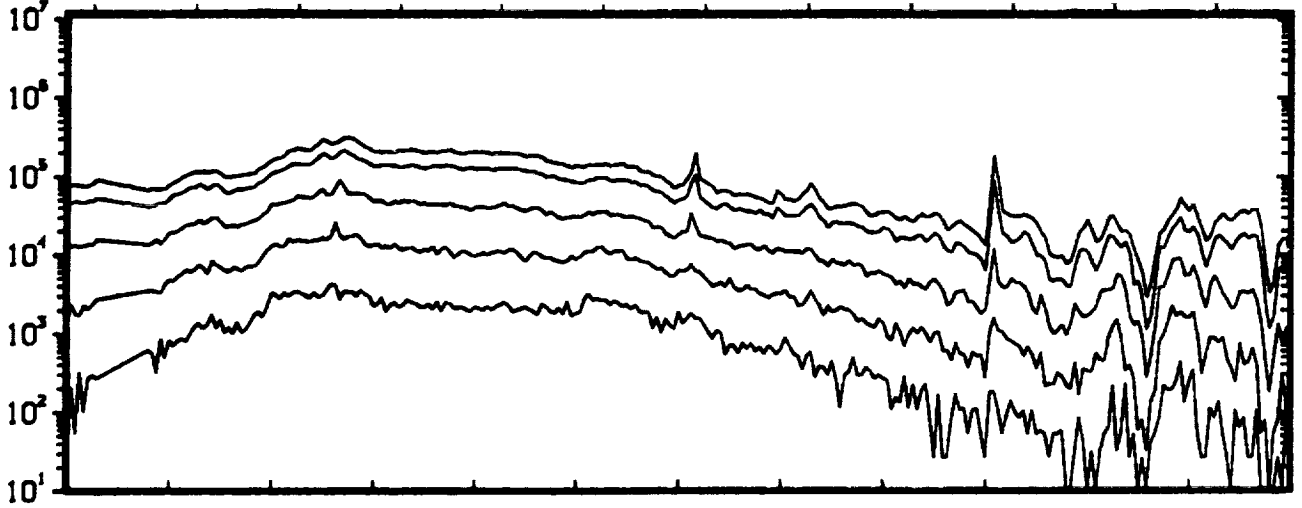
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

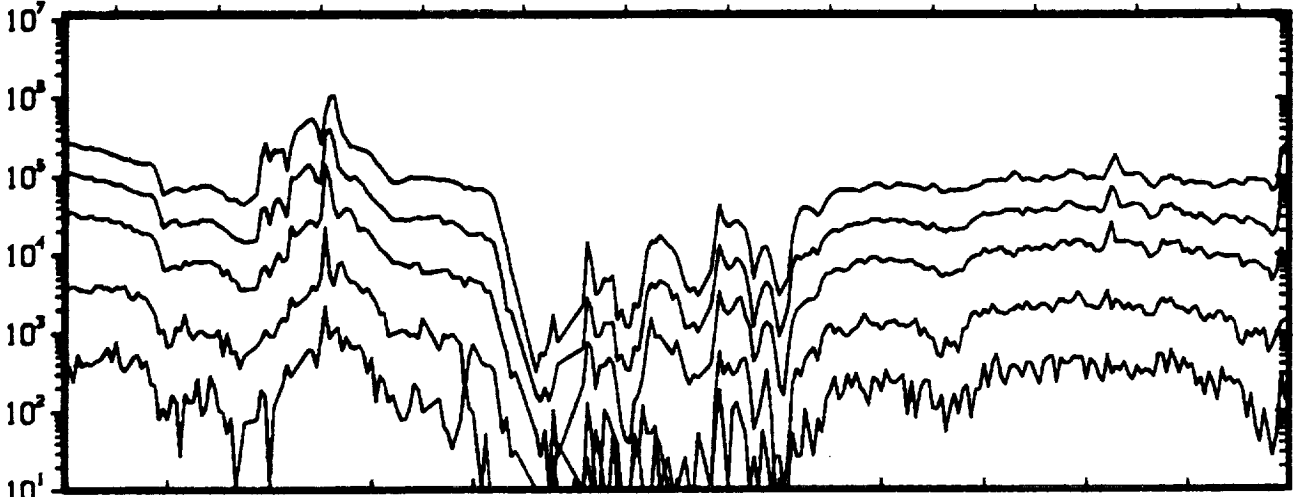
83/07/16

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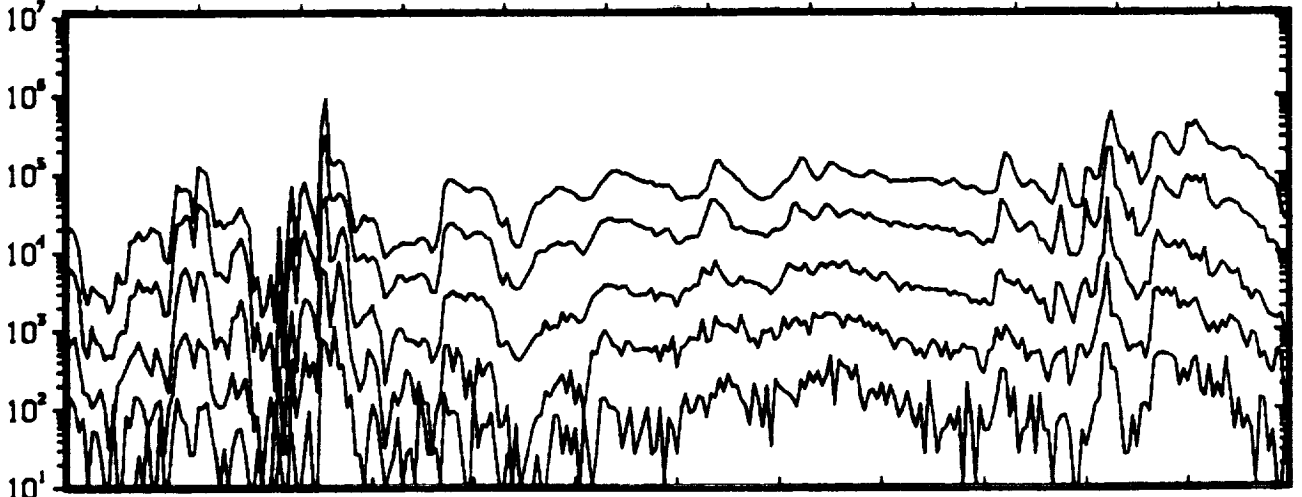
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



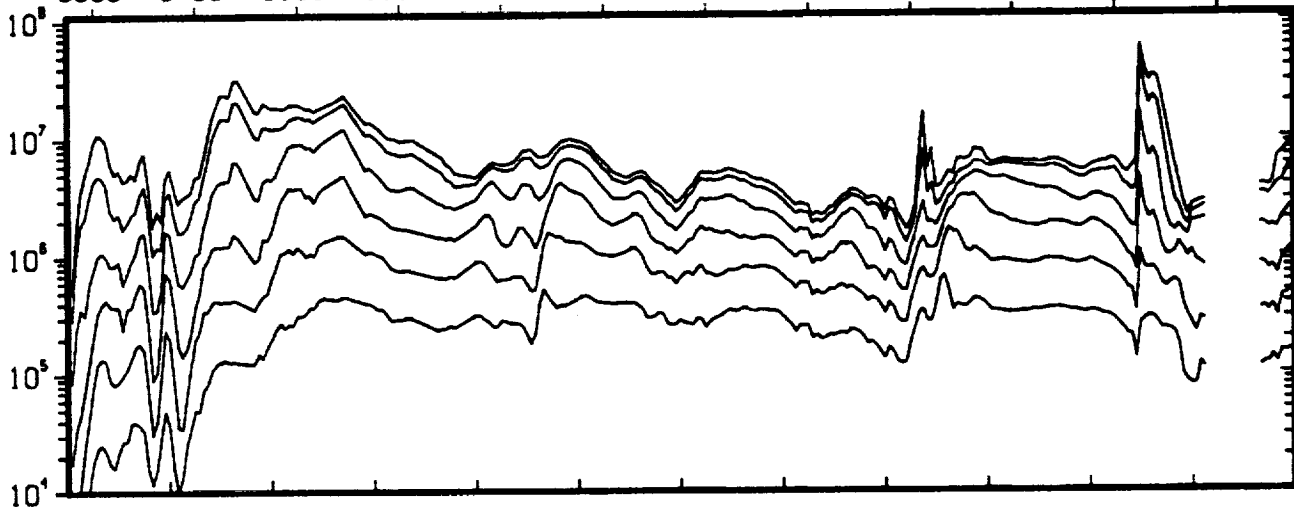
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

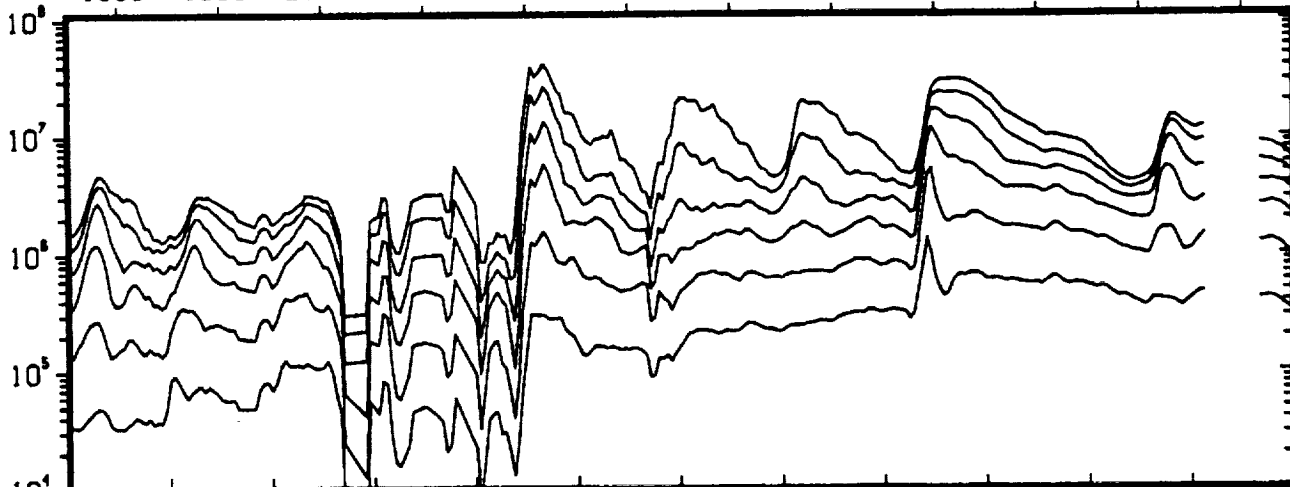
83/07/17

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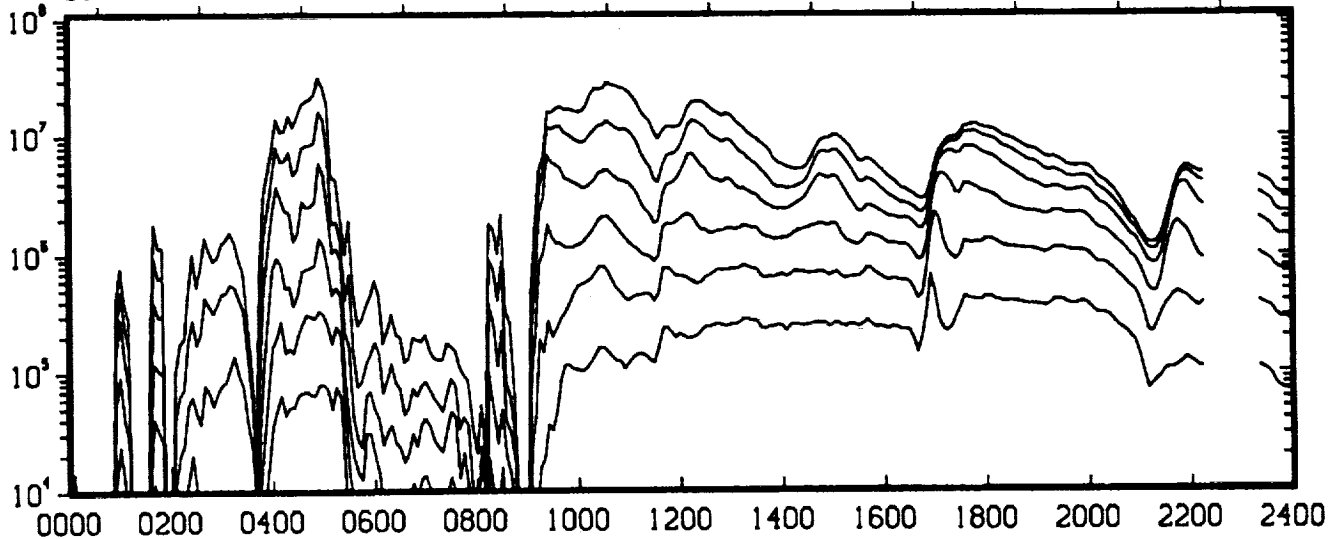
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



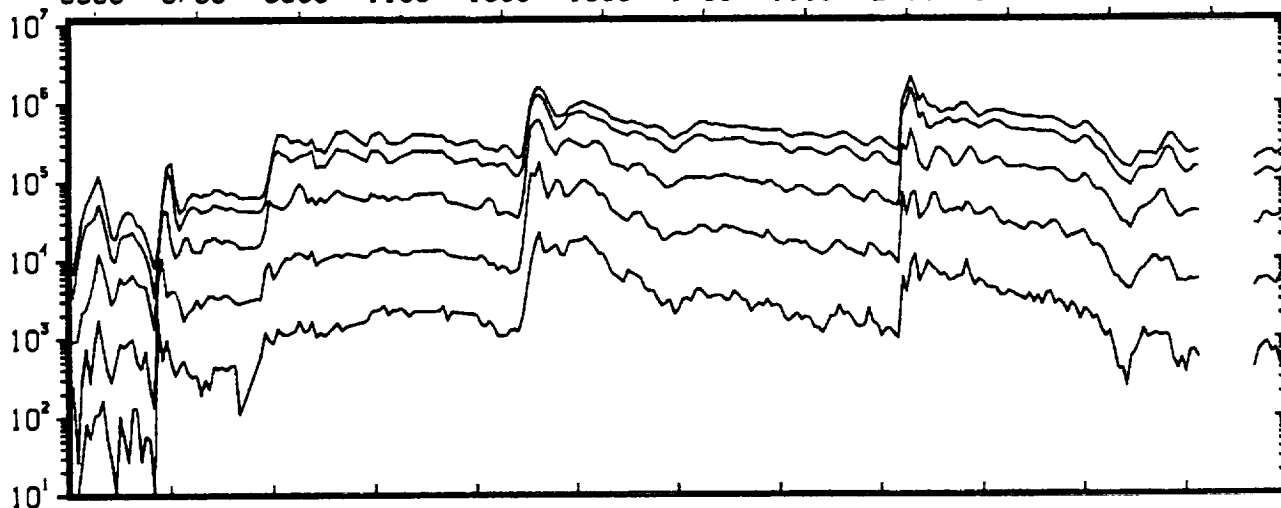
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/07/17

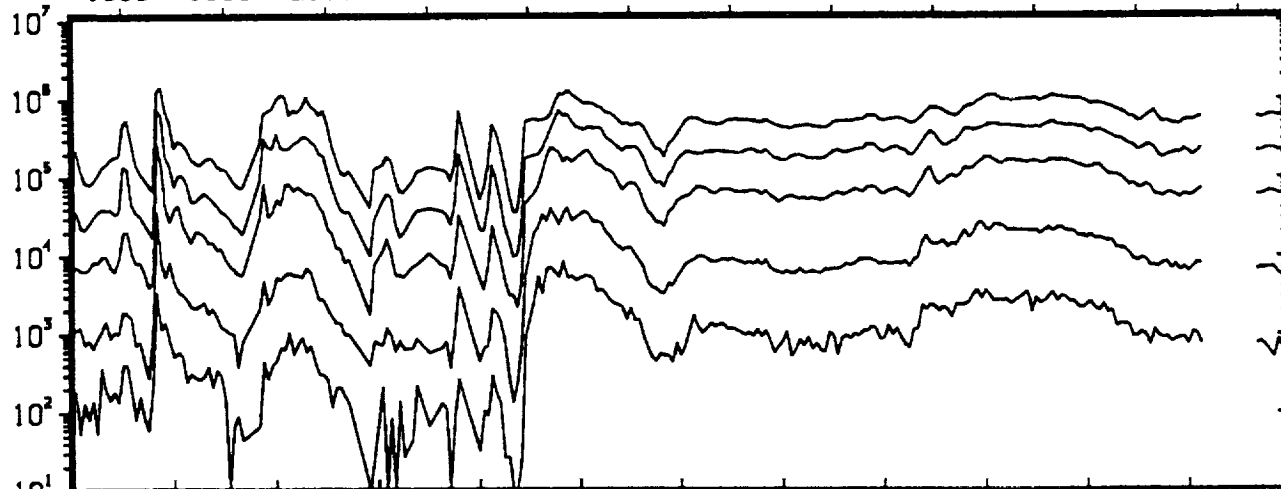
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1981-025

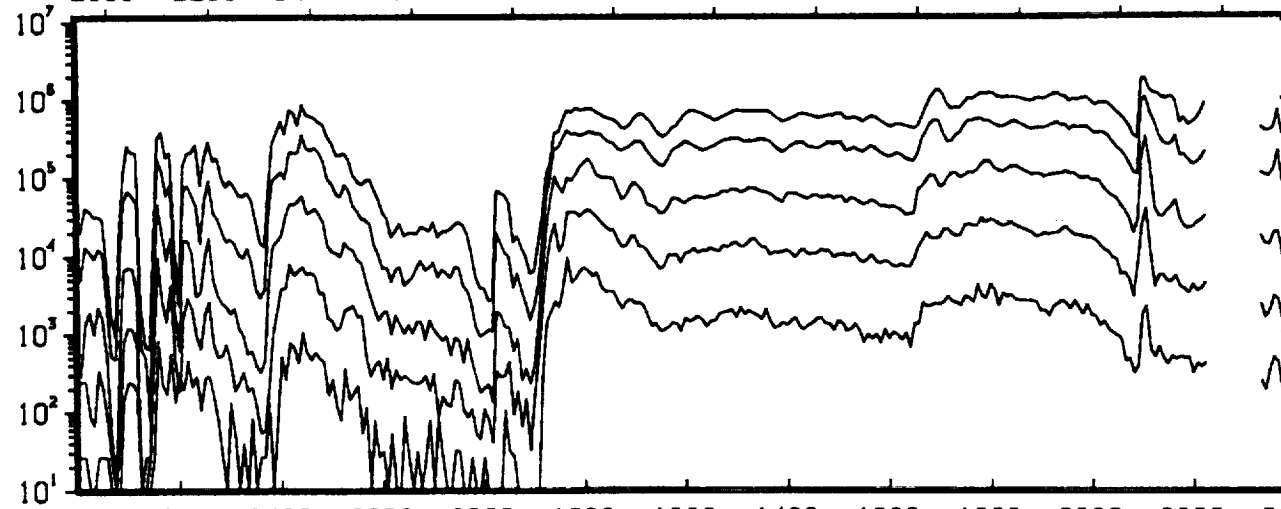
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



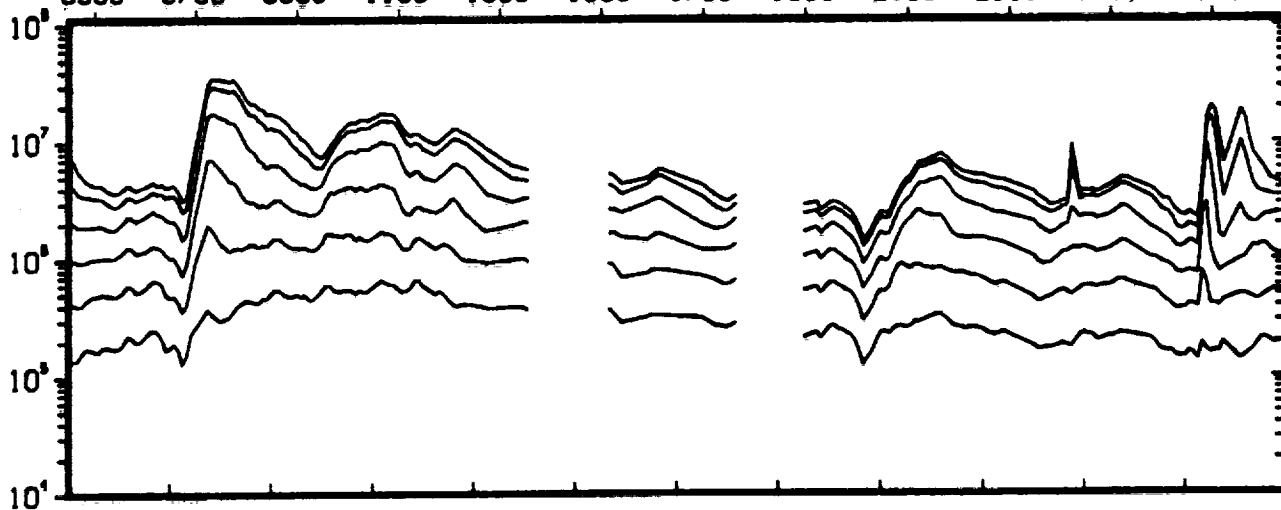
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# LOW ENERGY ELECTRONS

1977-007

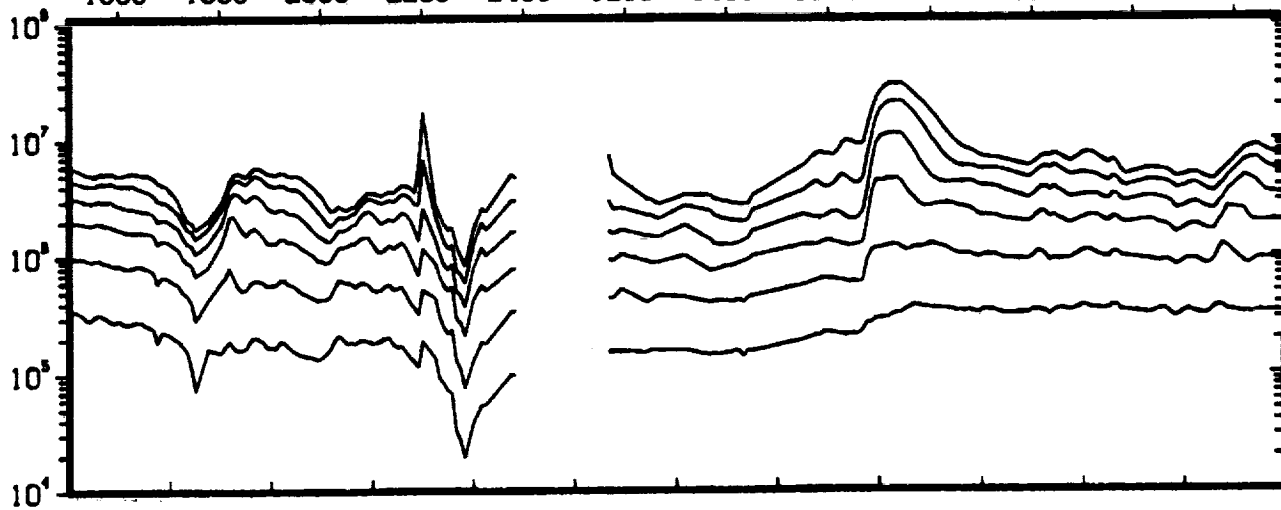
83/07/18

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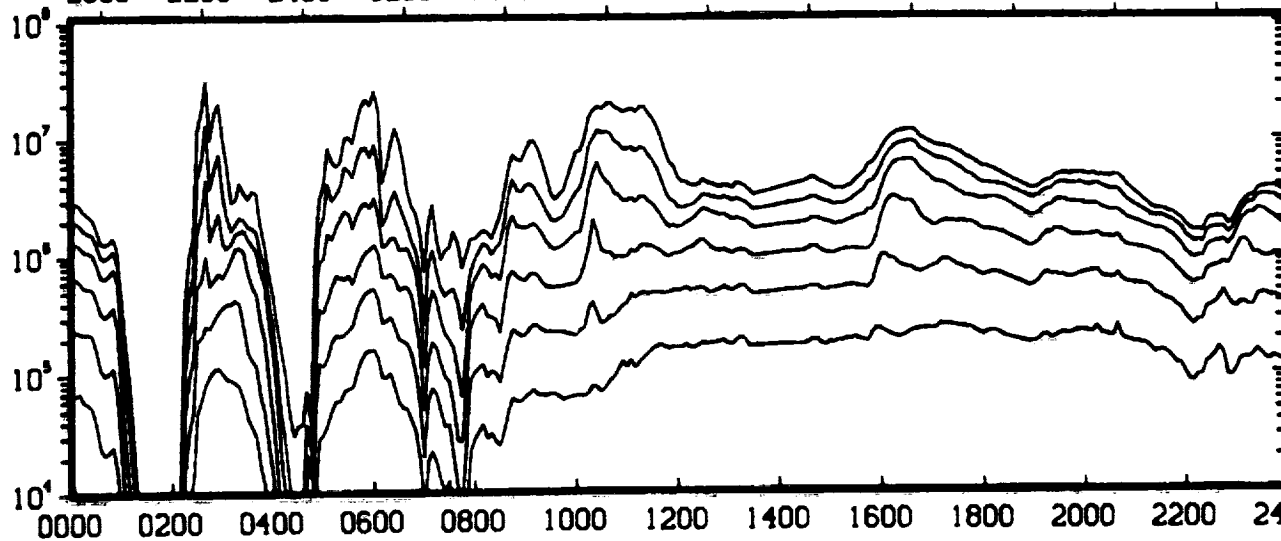
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



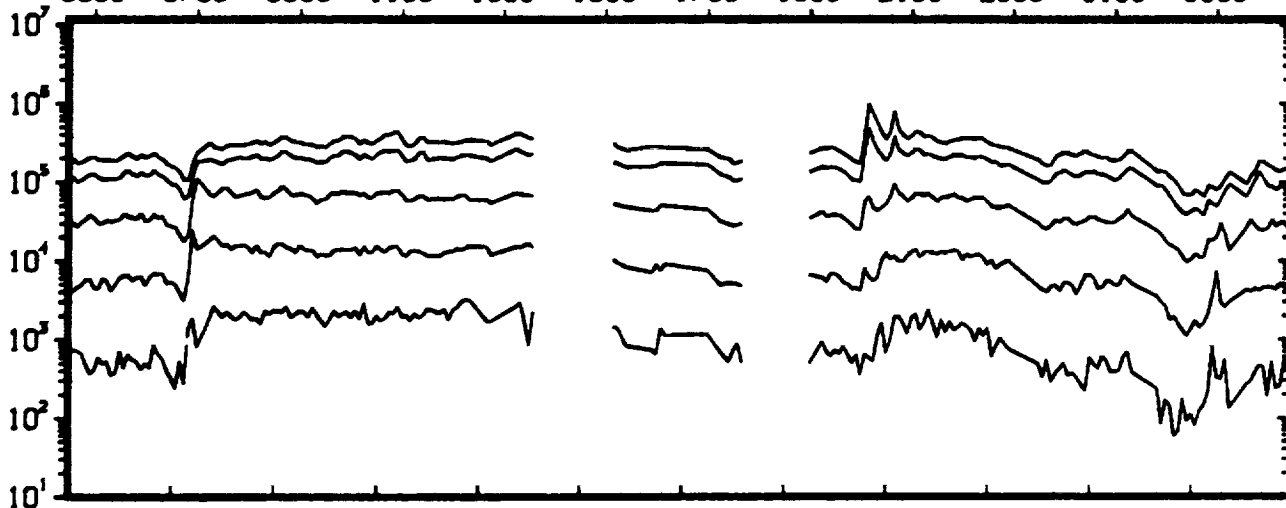
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

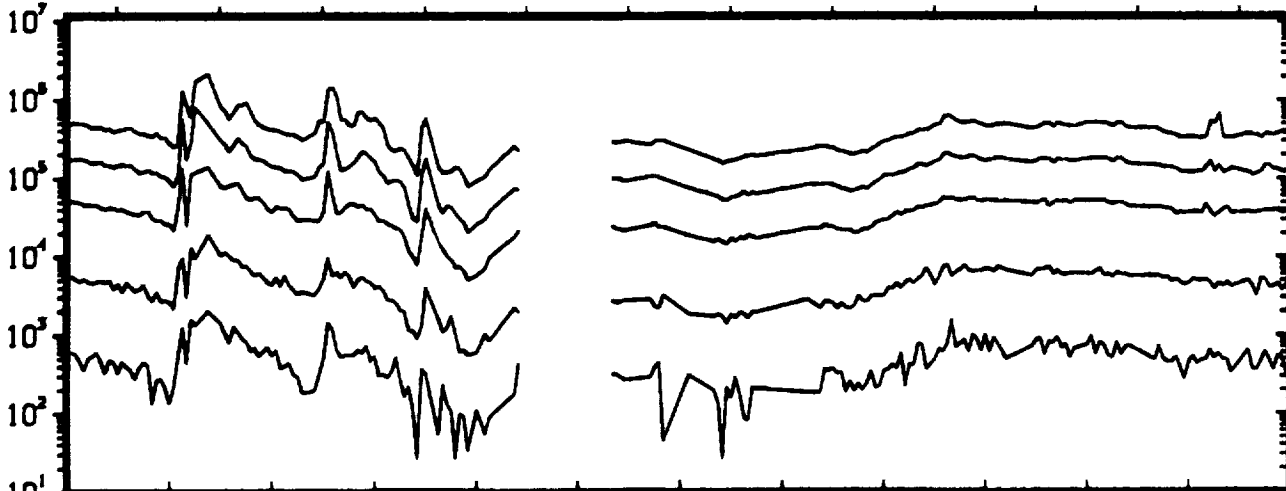
83/07/18

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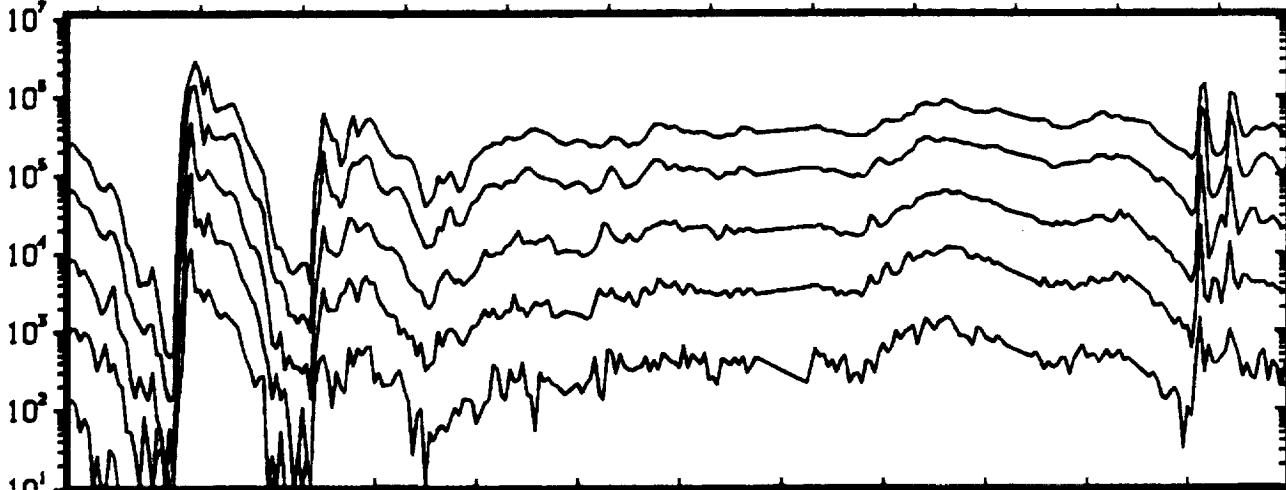
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



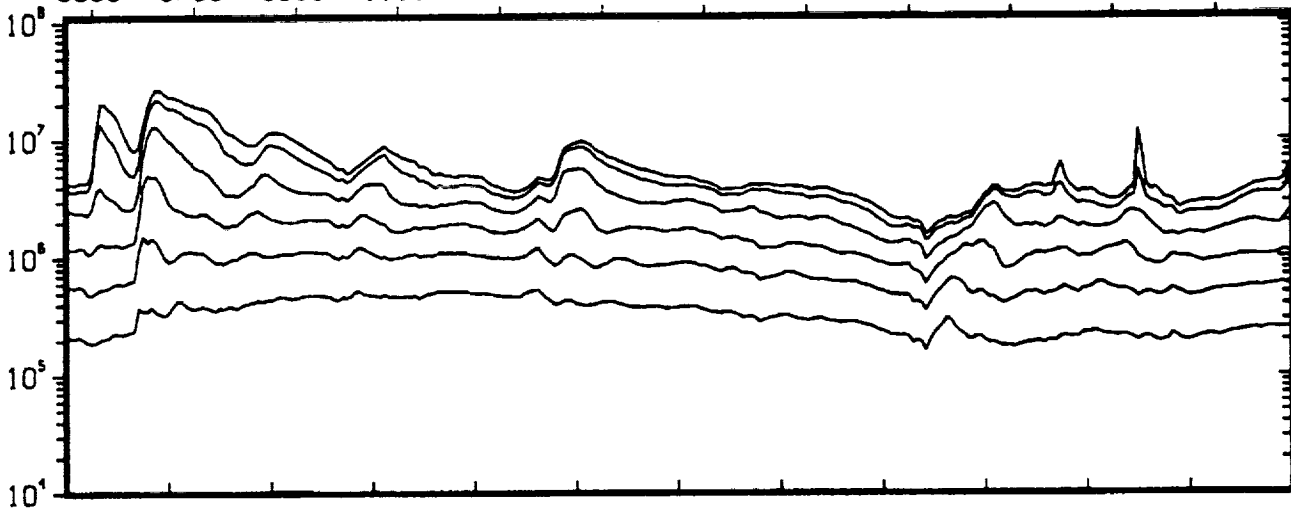
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

83/07/19

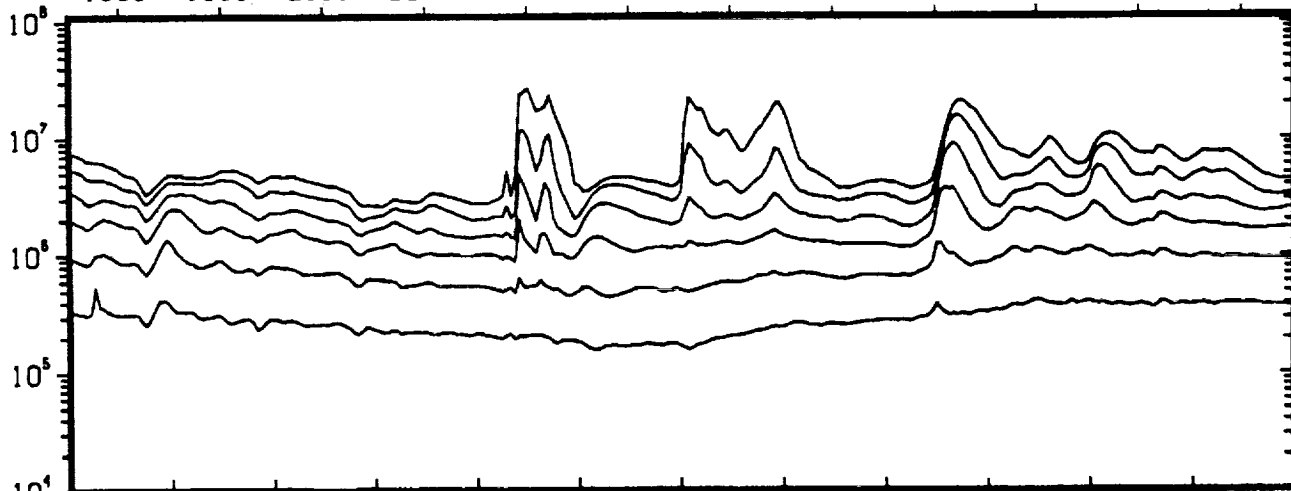
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

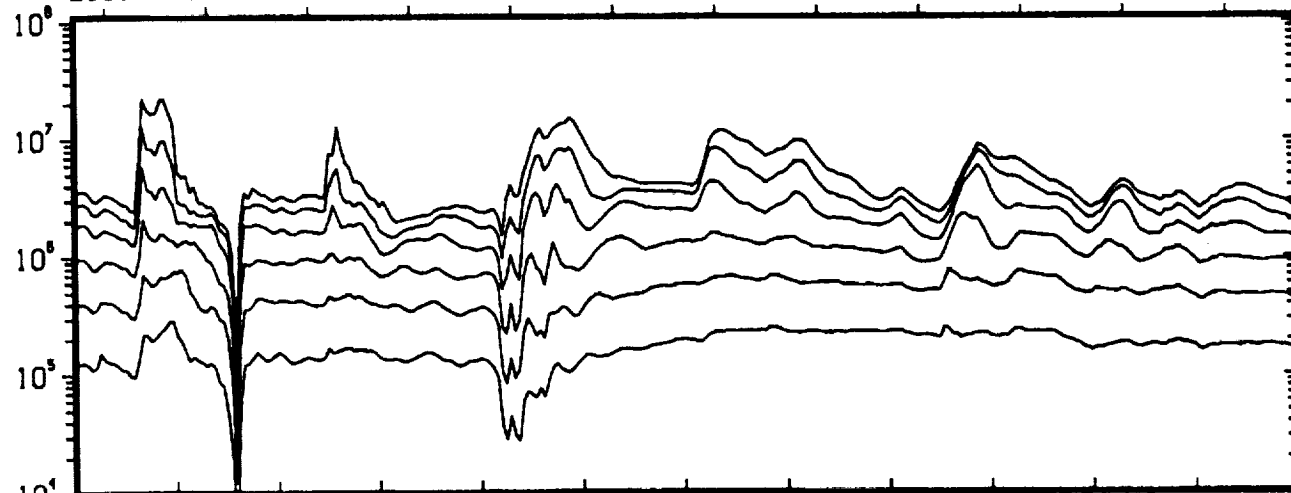
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

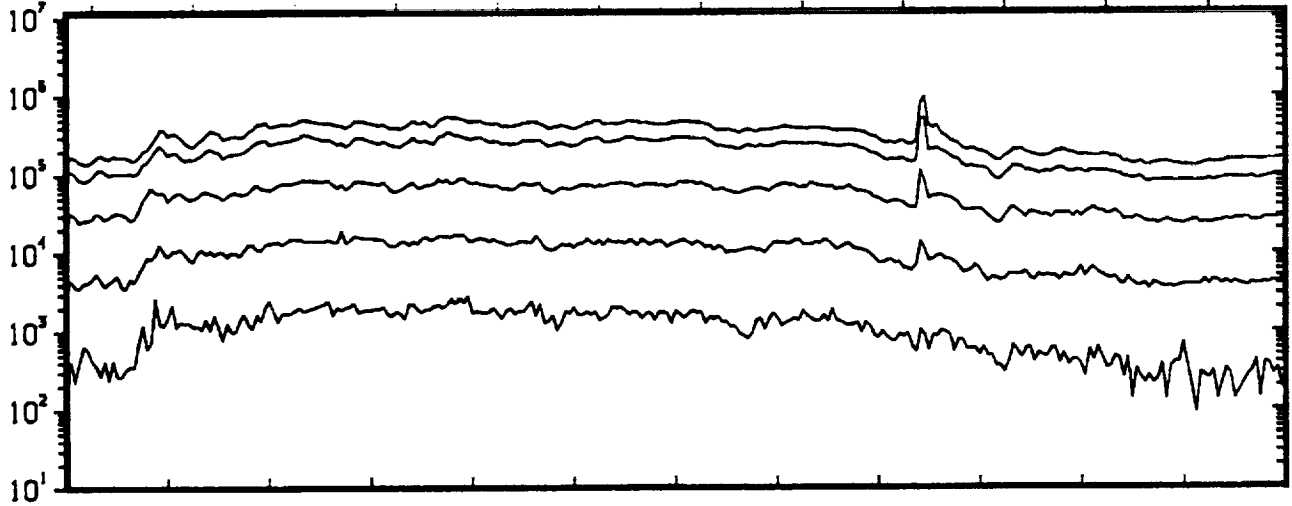


# LOW ENERGY IONS

1977-007

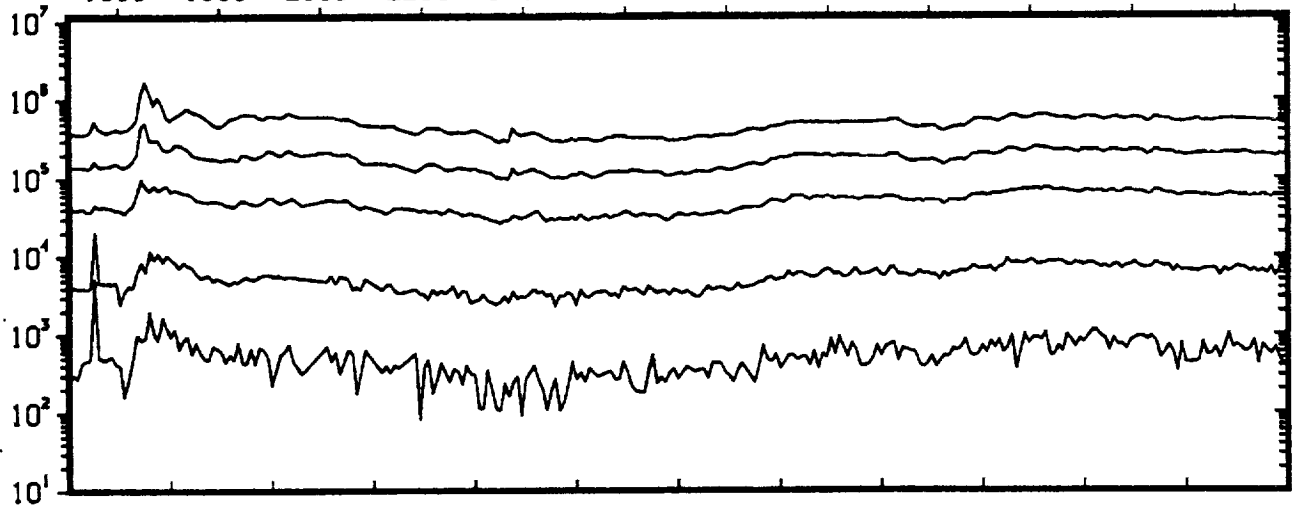
83/07/19

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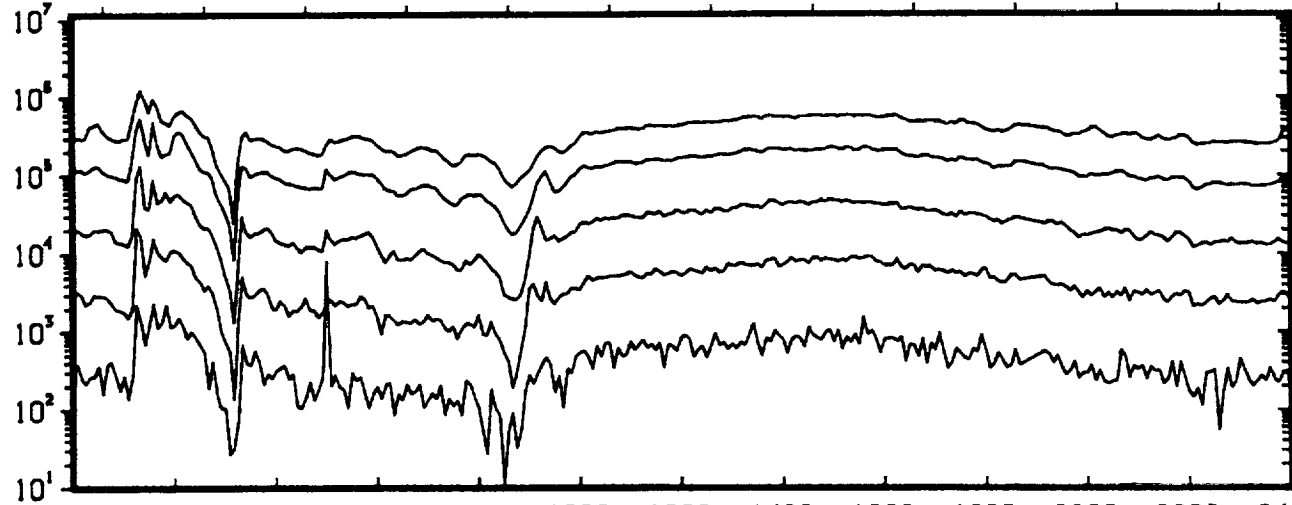
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



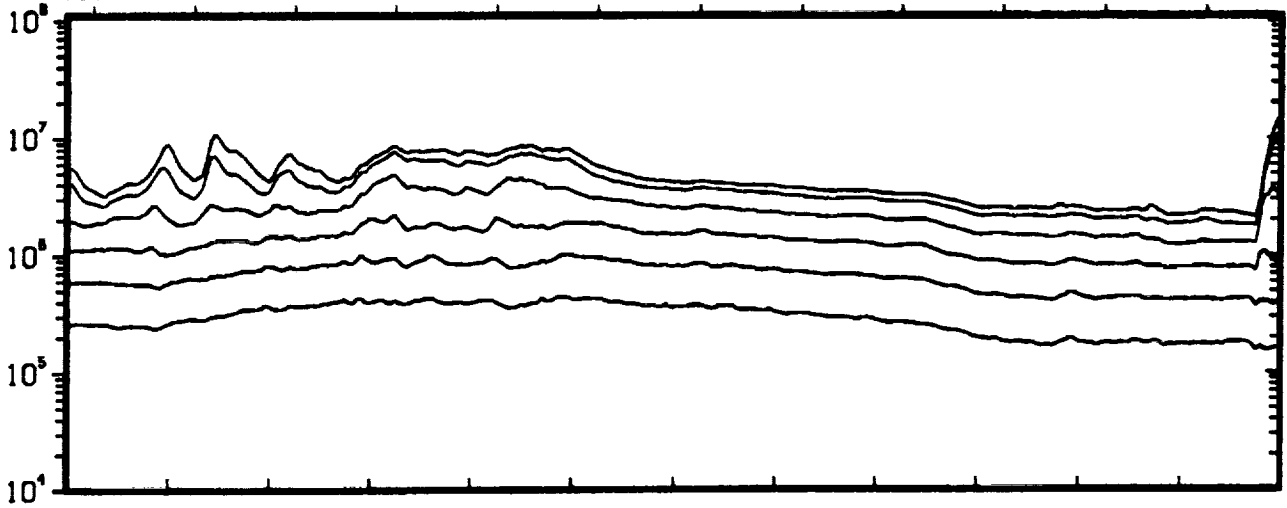
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

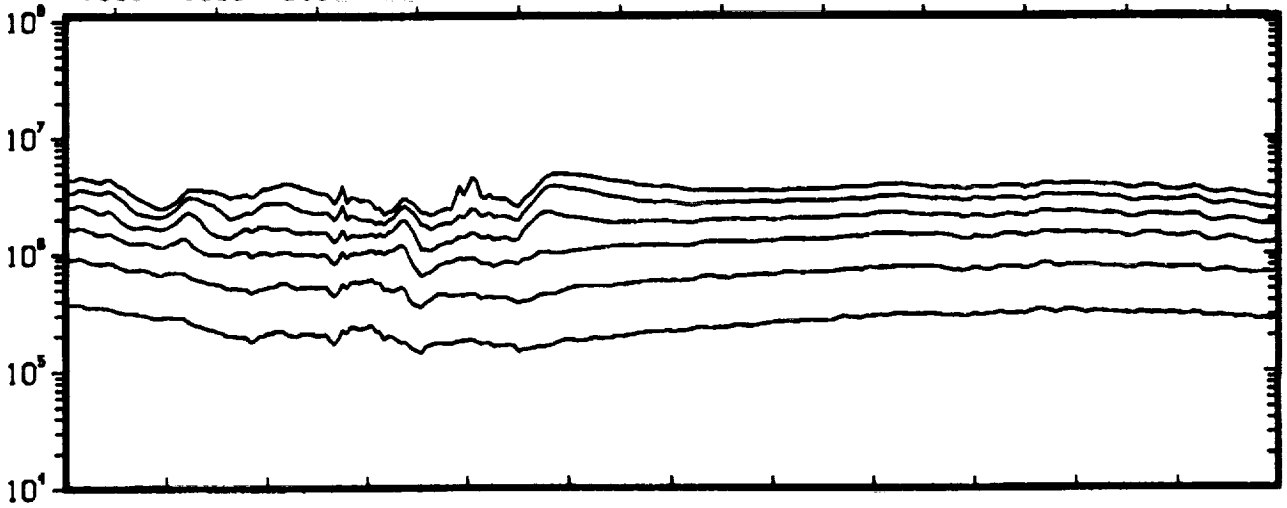
83/07/20

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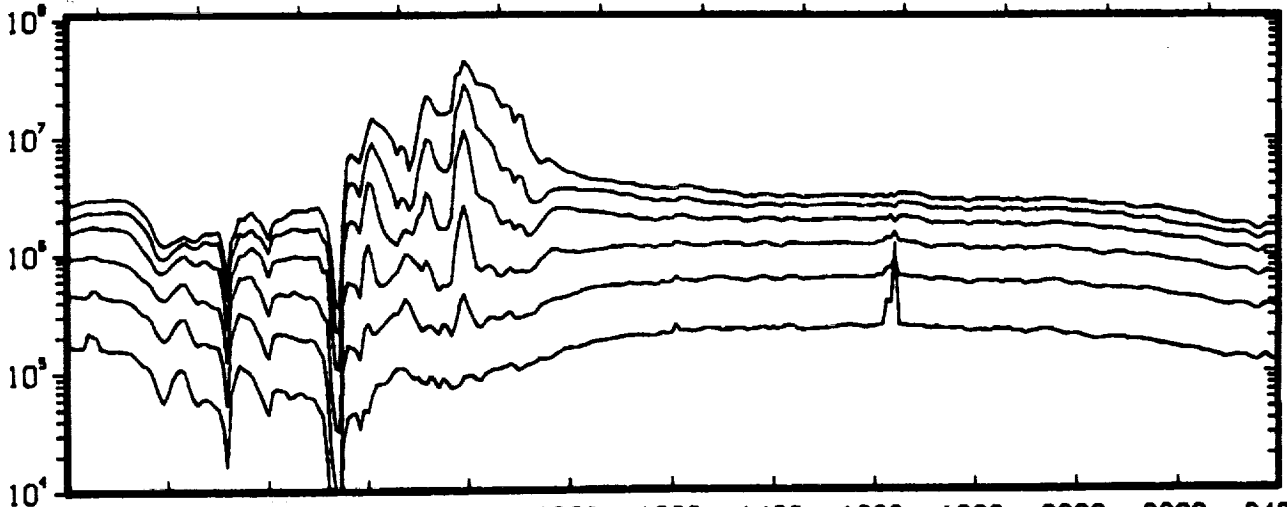
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



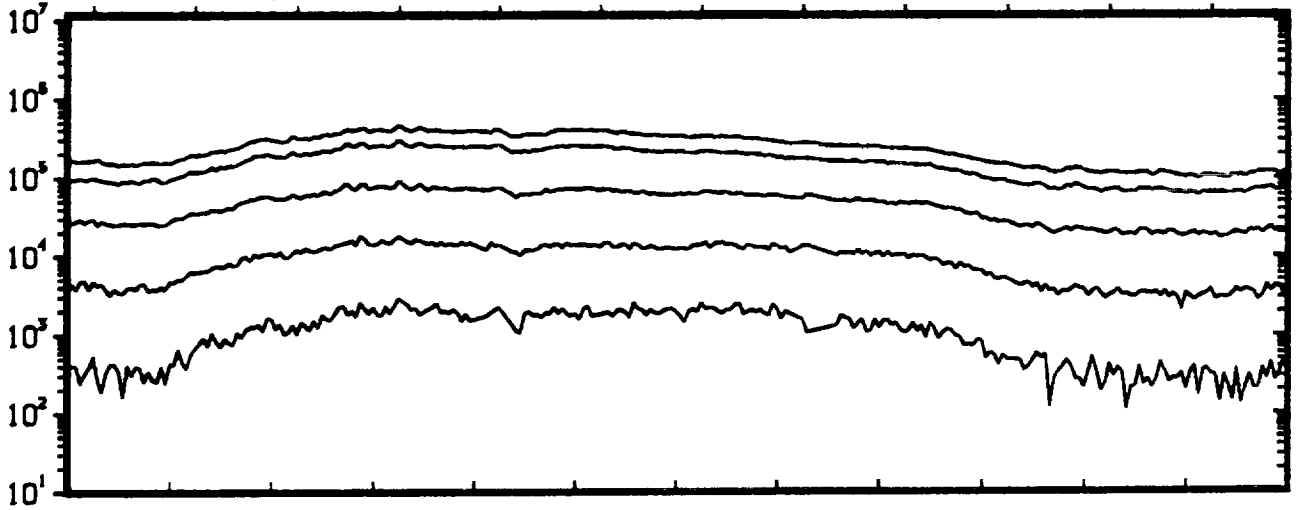
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/07/20

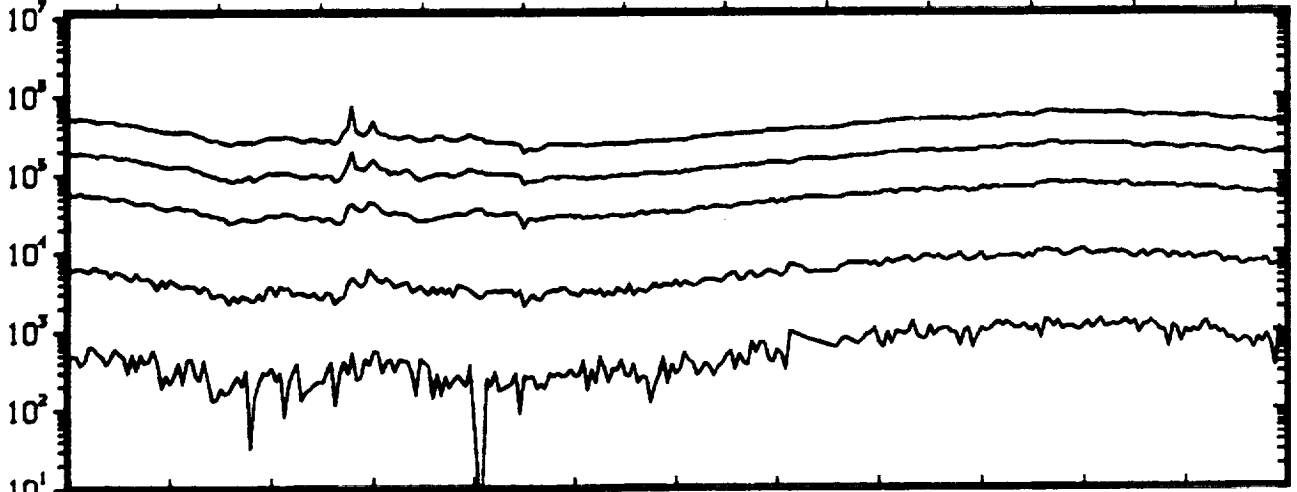
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

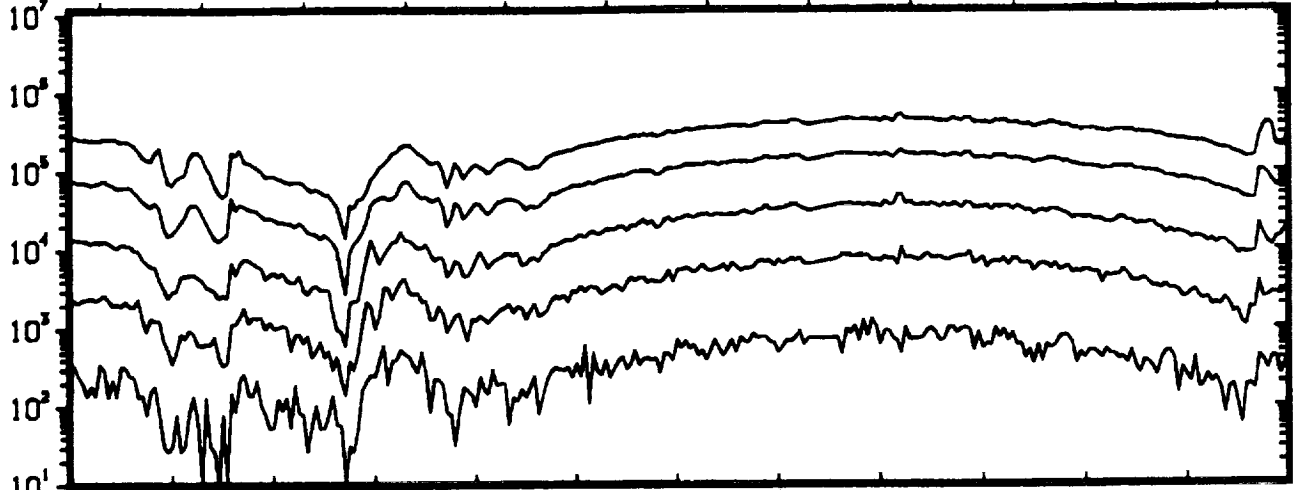
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



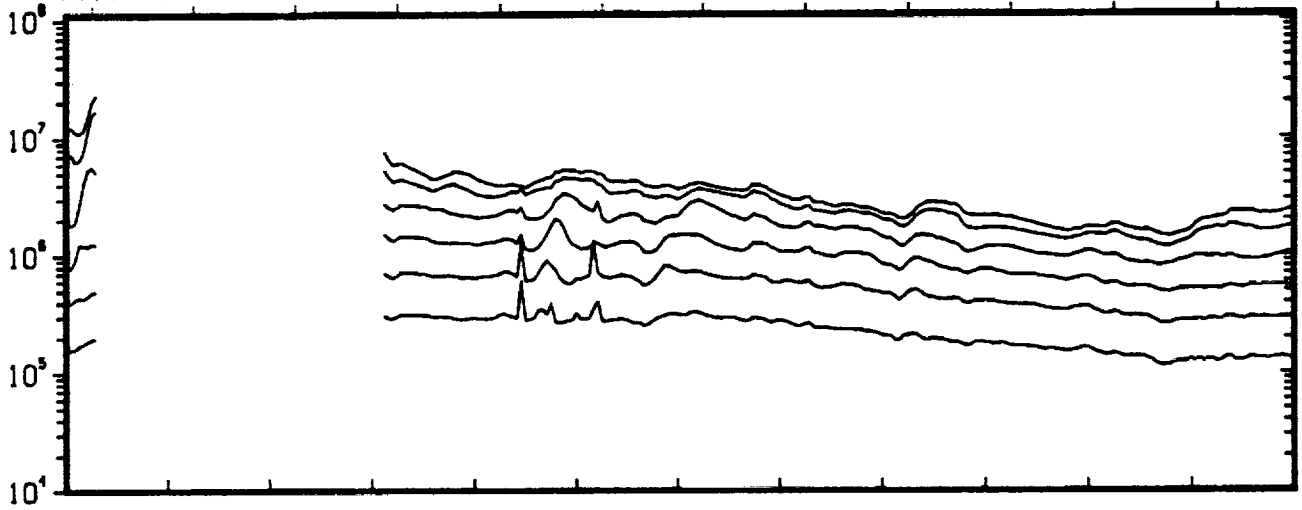
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# LOW ENERGY ELECTRONS

1977-007

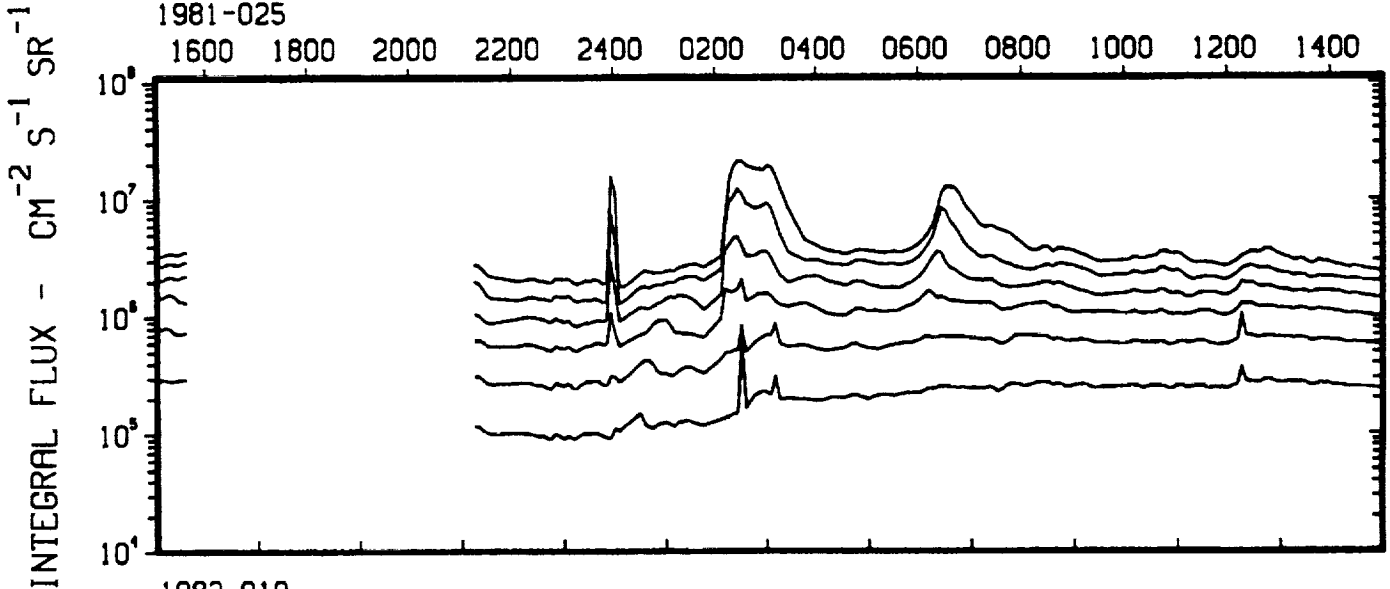
83/07/21

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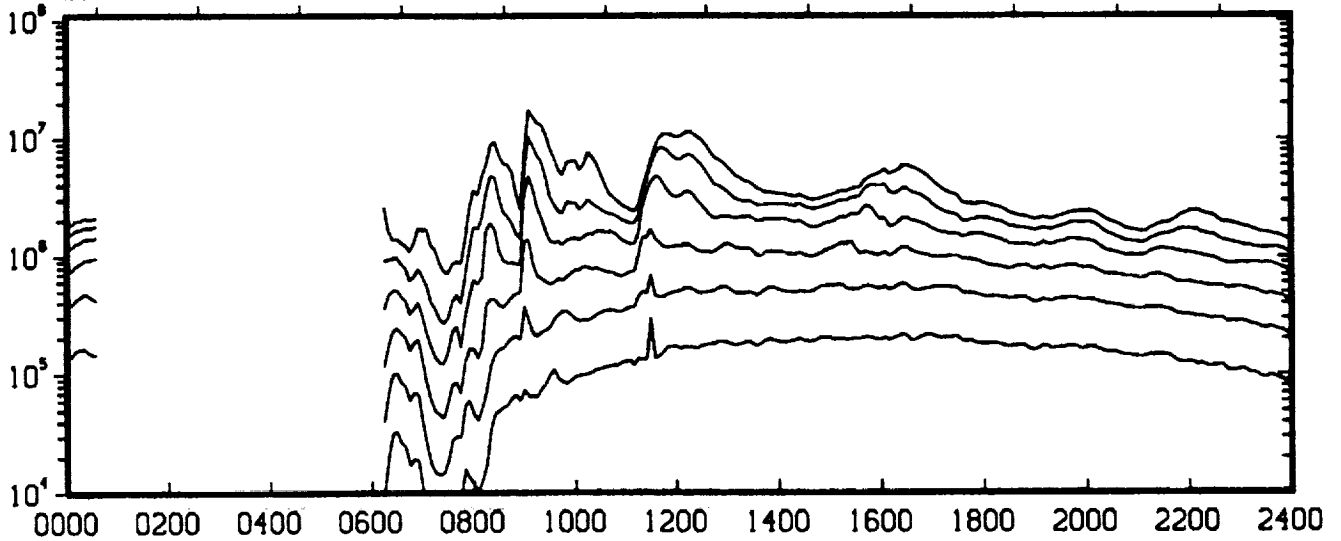
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

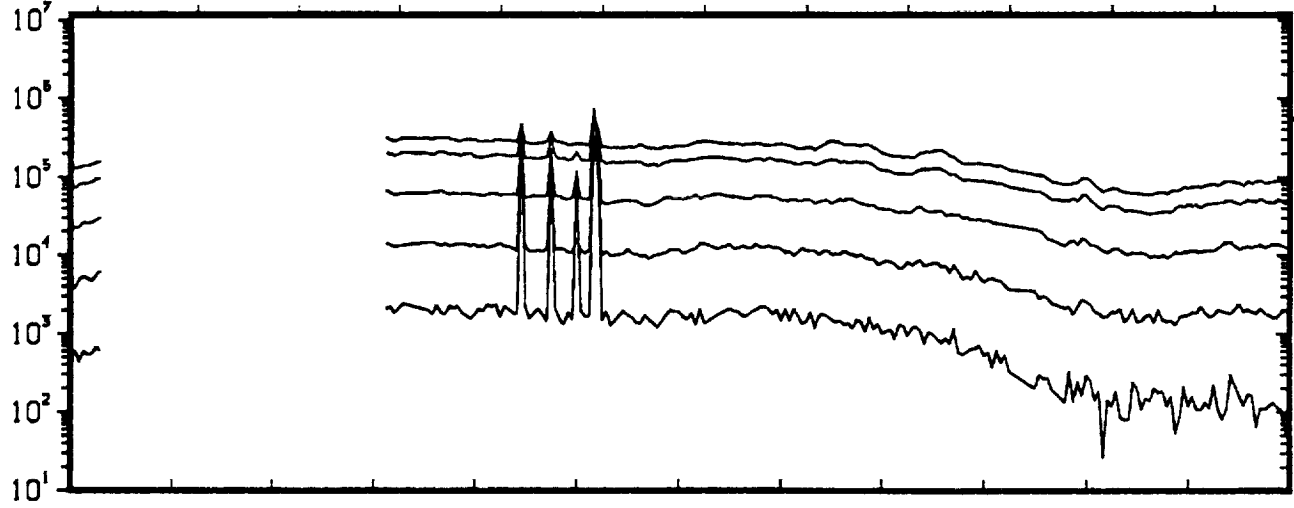


# LOW ENERGY IONS

1977-007

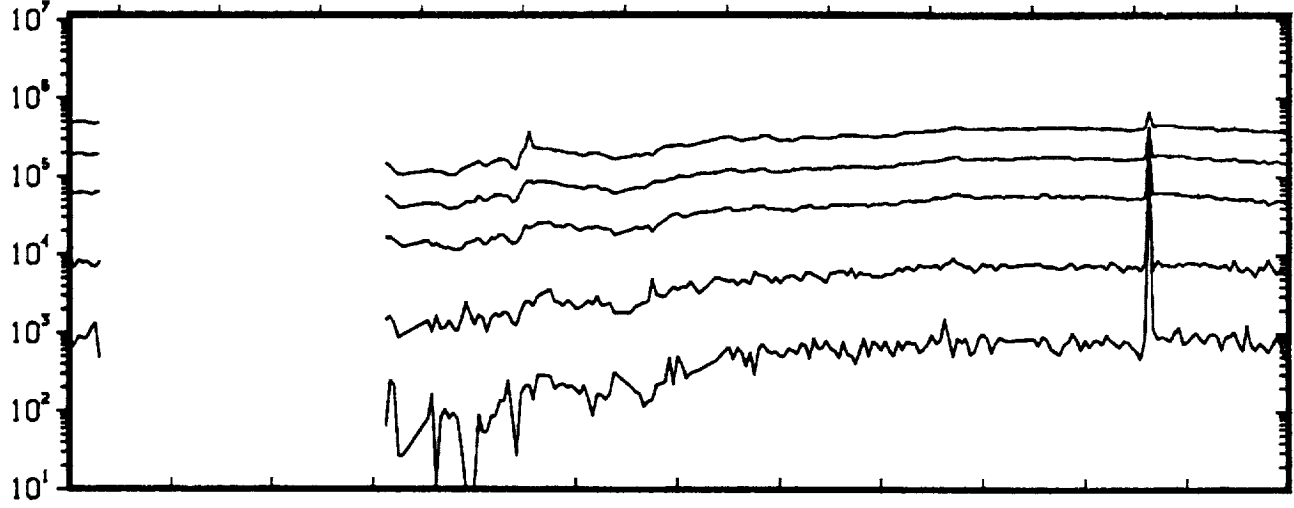
83/07/21

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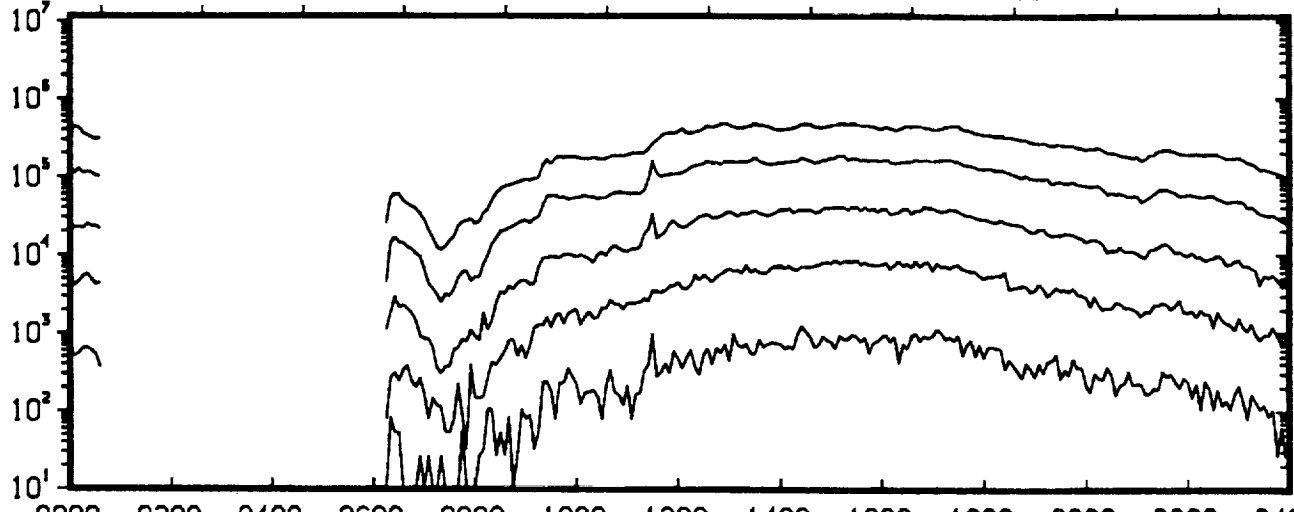
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



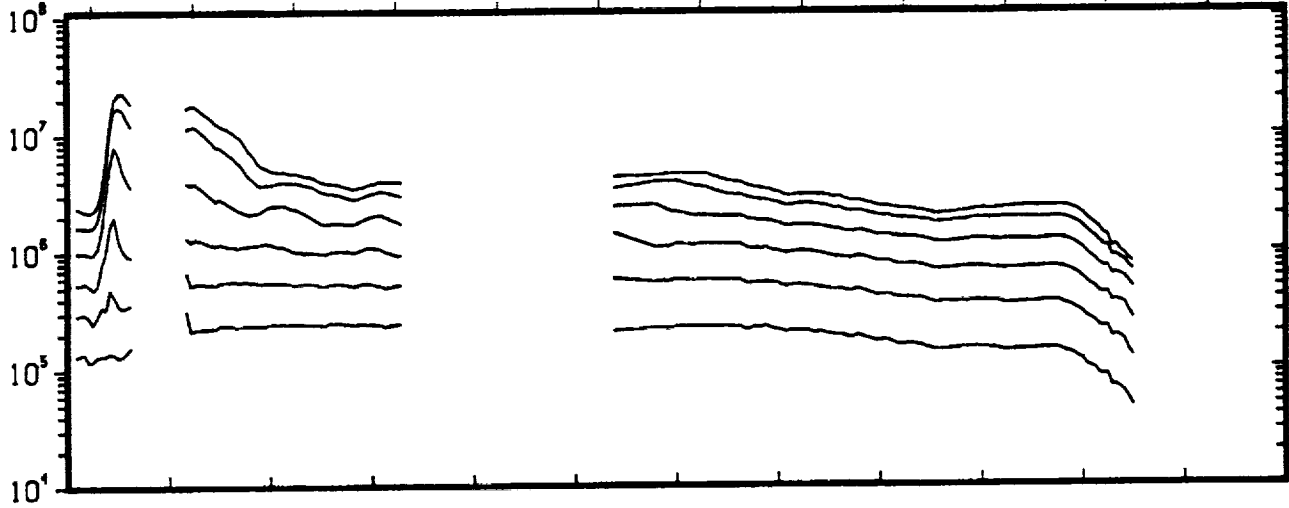
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

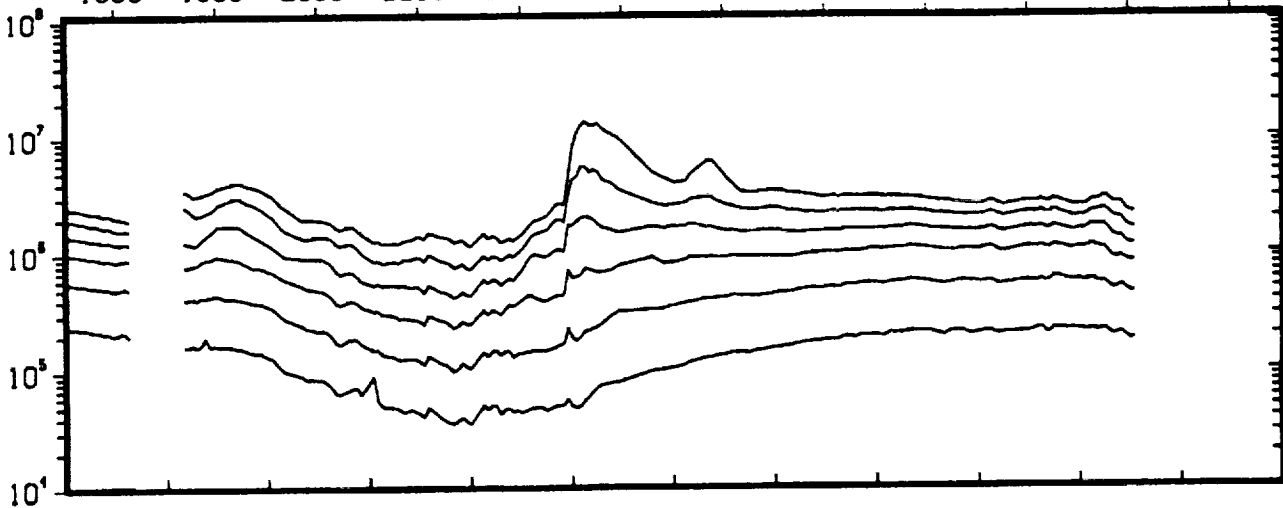
83/07/22

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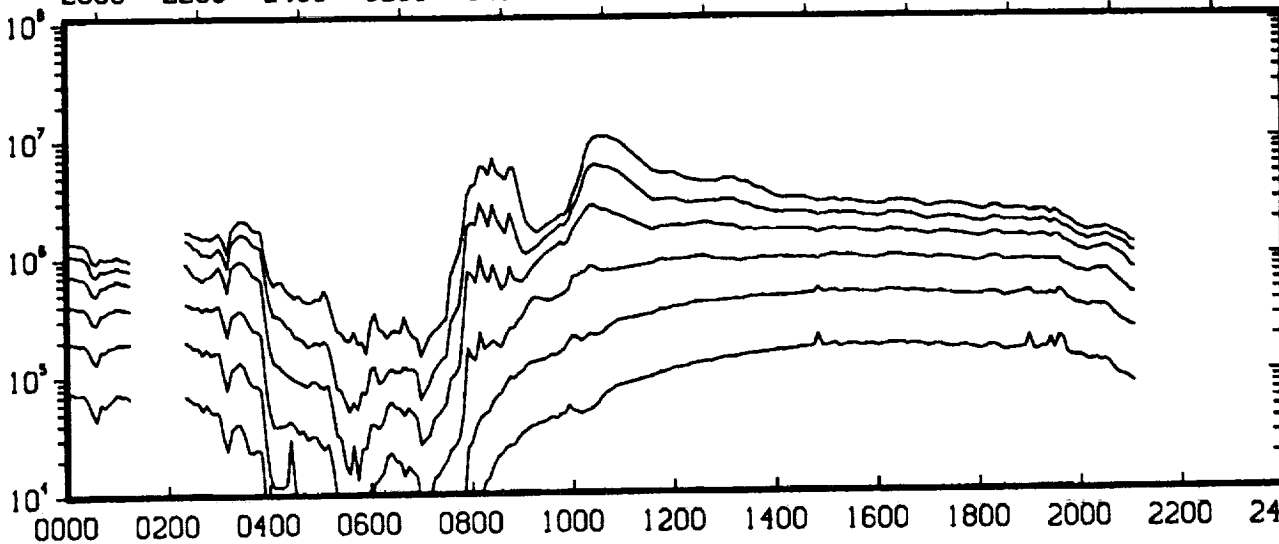
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



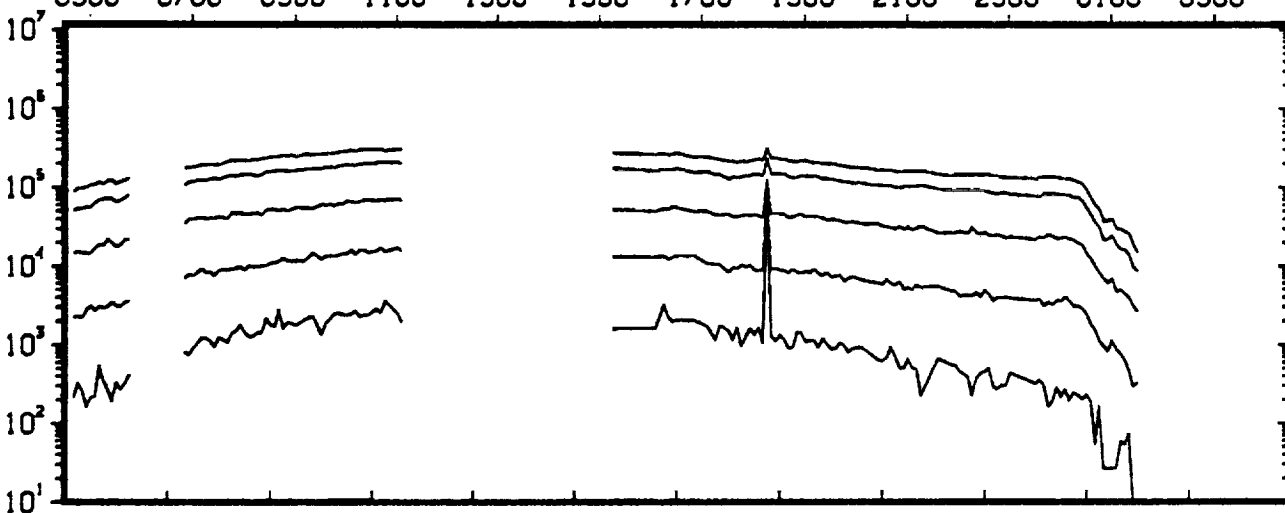
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

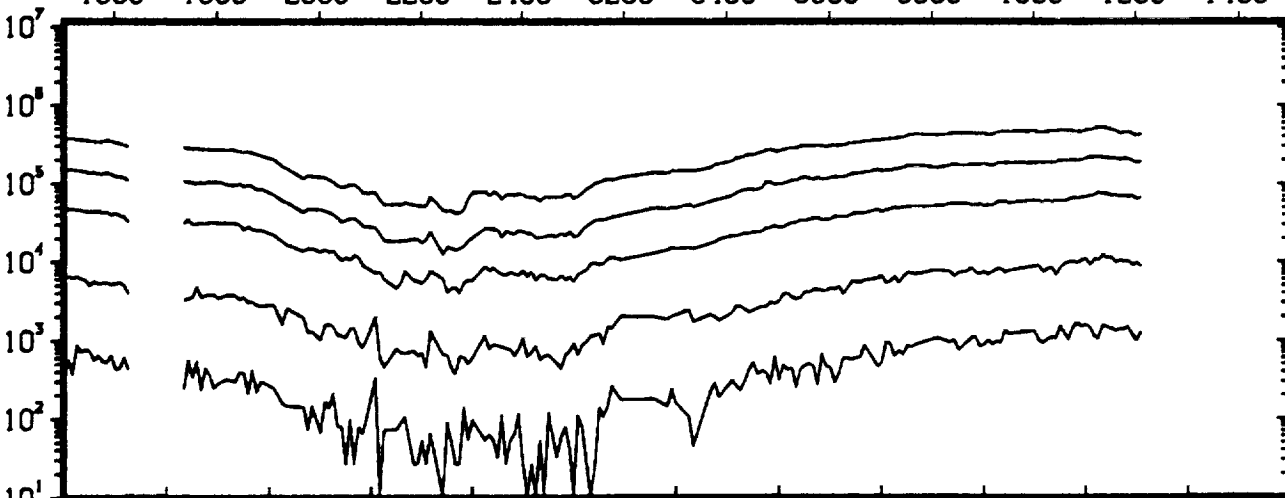
83/07/22

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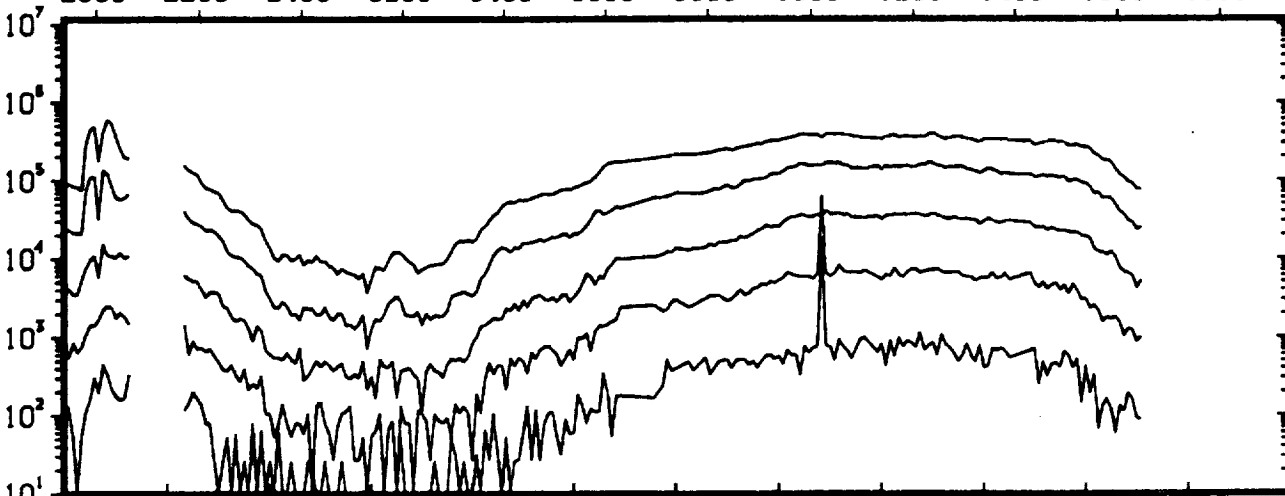
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



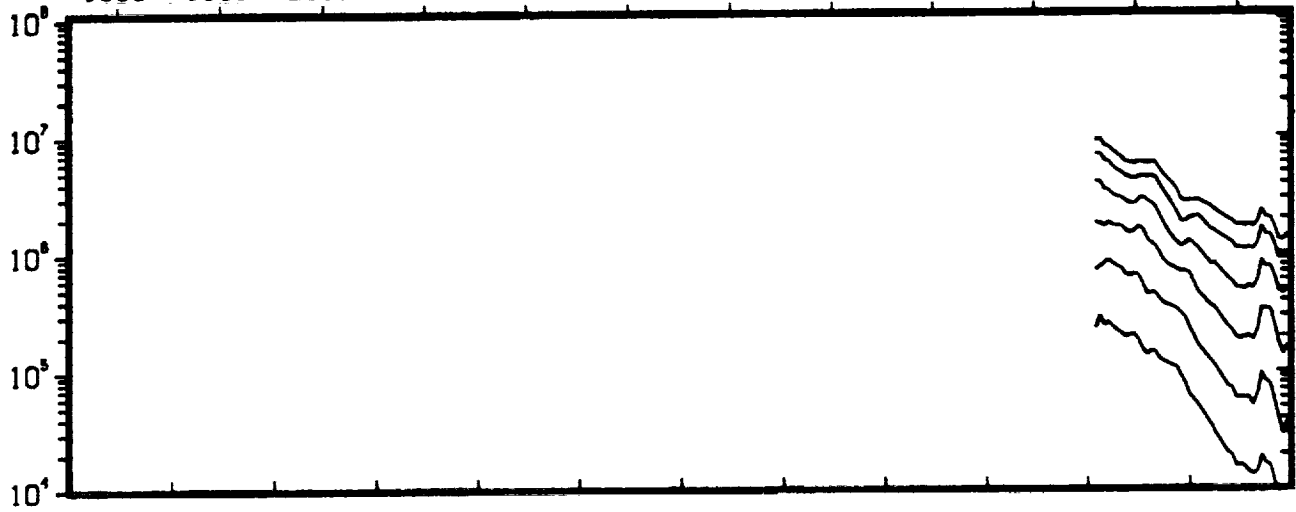
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1981-025

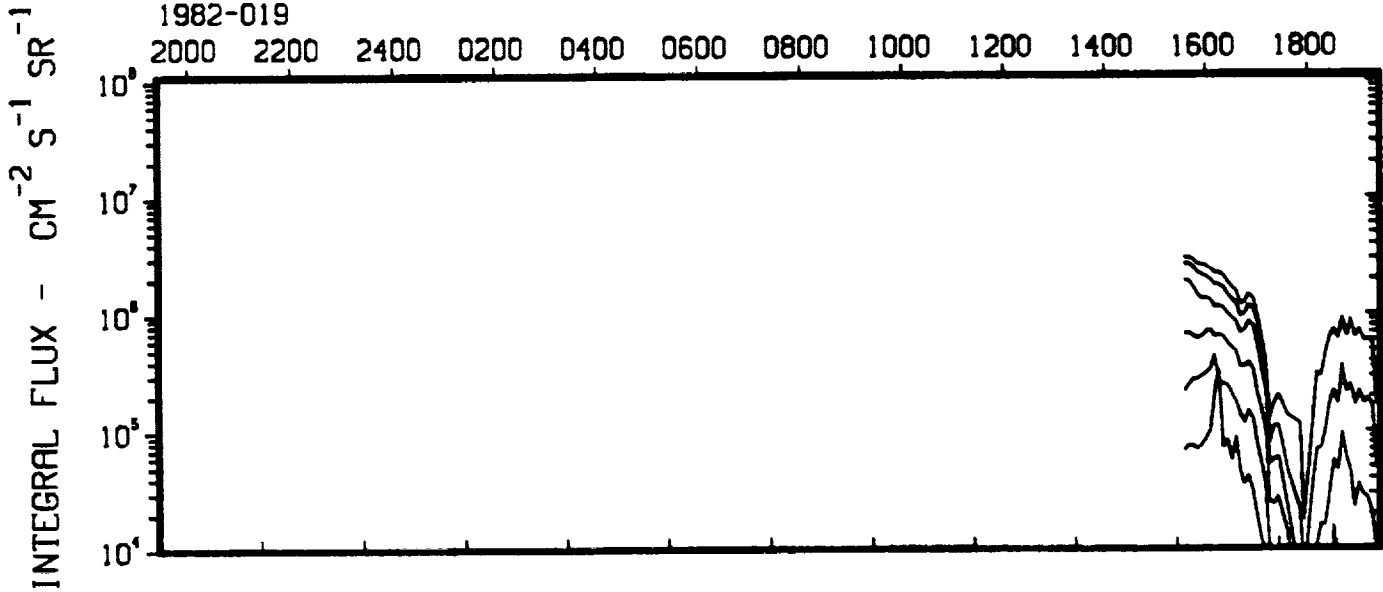
83/07/23

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



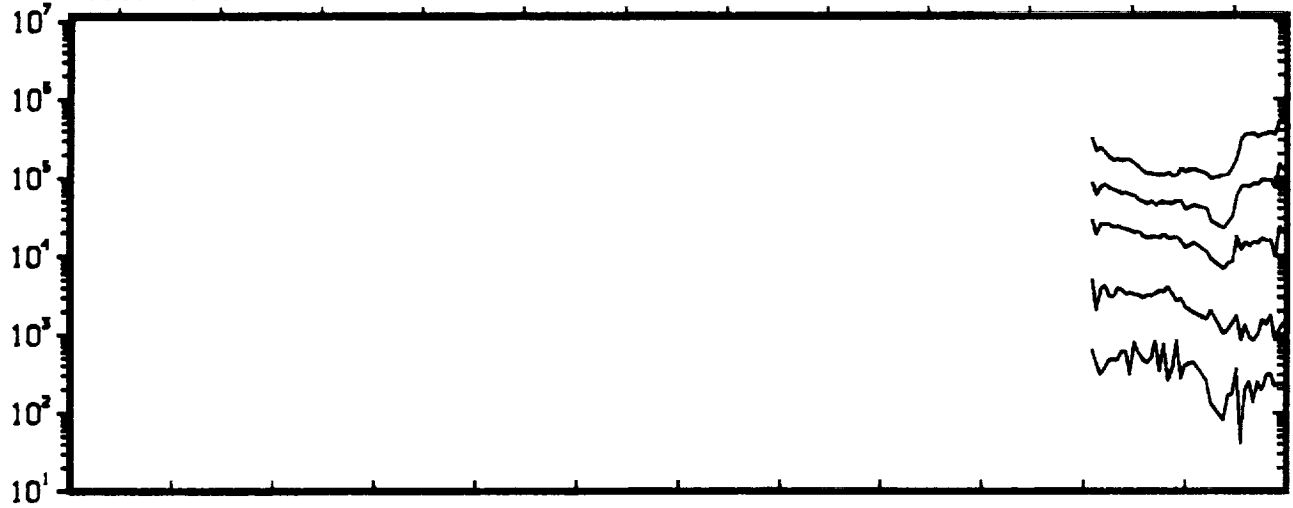


LOW ENERGY IONS

1981-025

83/07/23

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

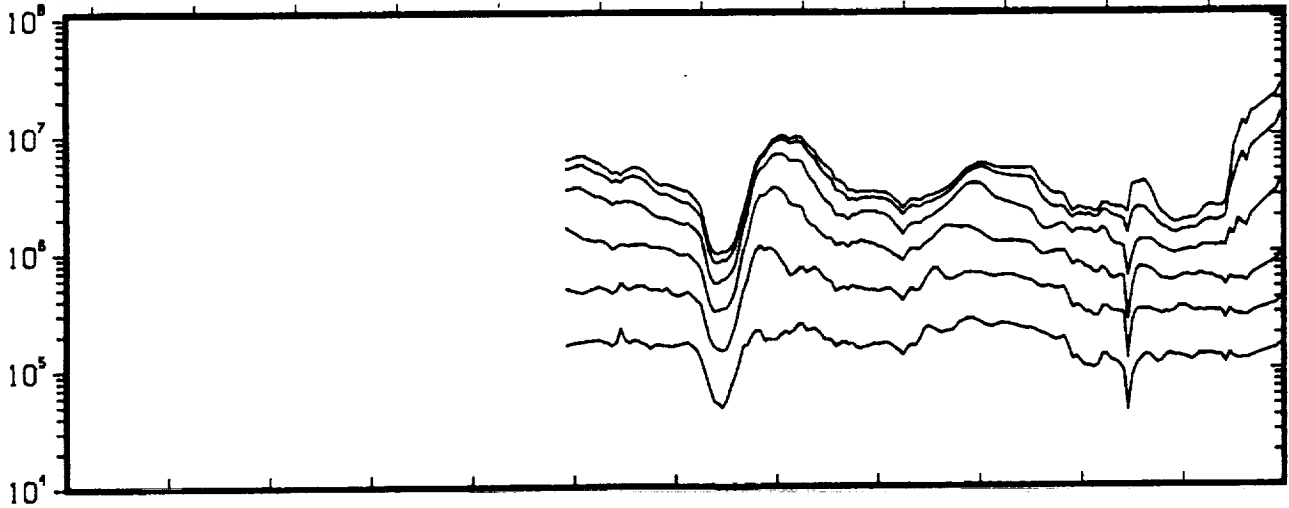


# LOW ENERGY ELECTRONS

1977-007

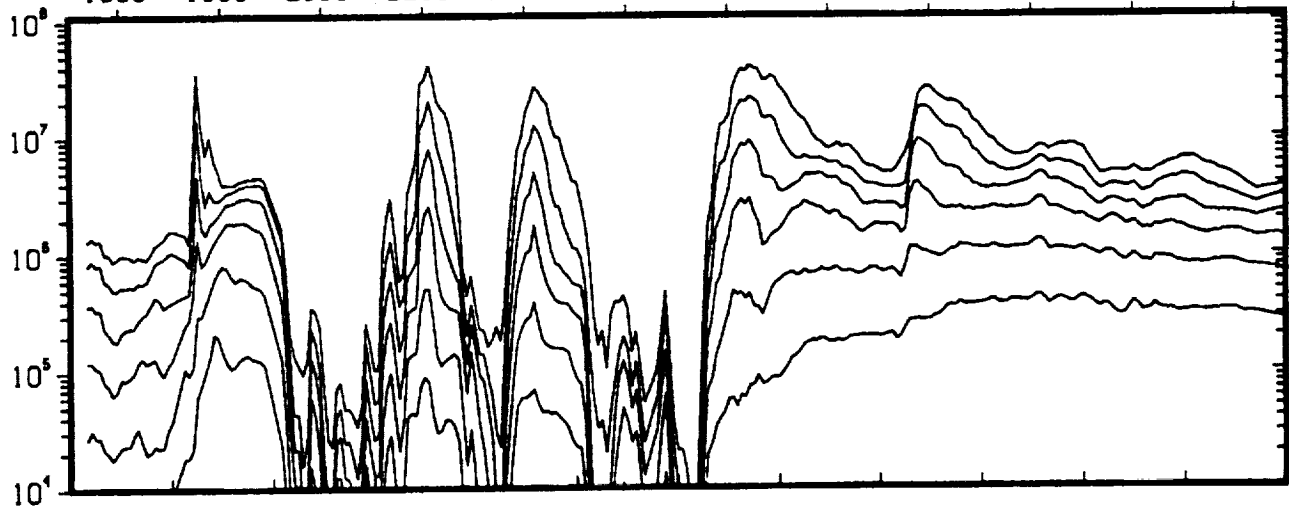
83/07/24

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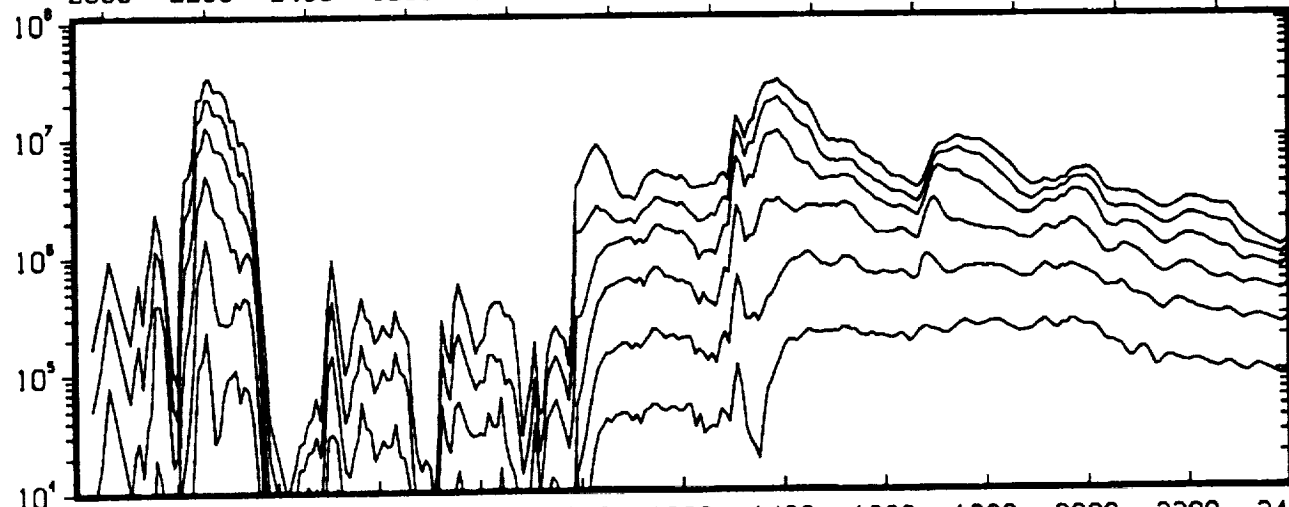
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



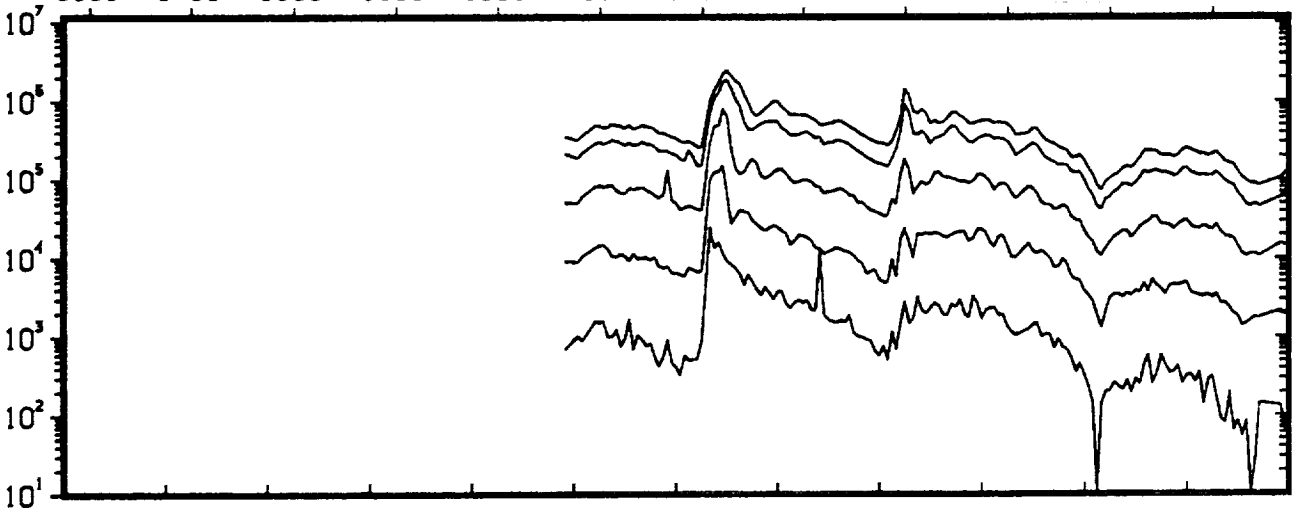
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/07/24

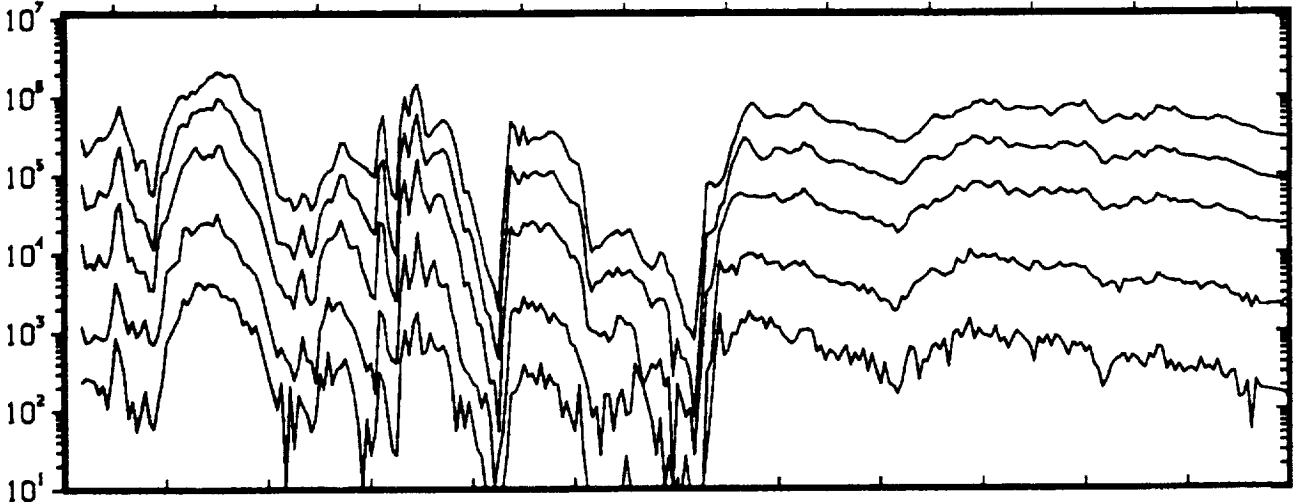
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

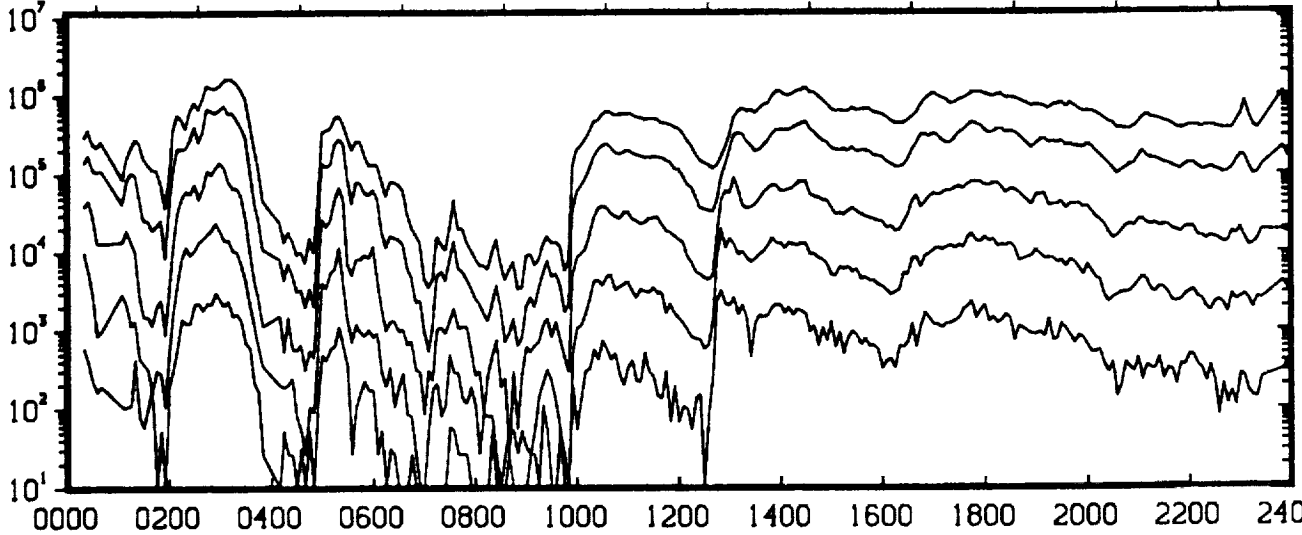
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

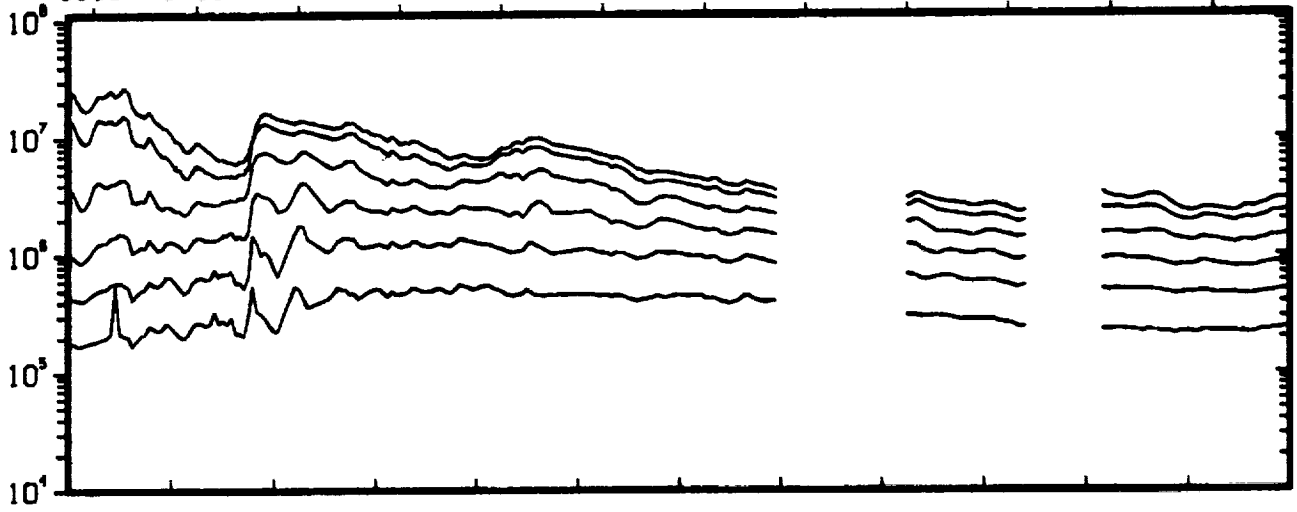


LOW ENERGY ELECTRONS

1977-007

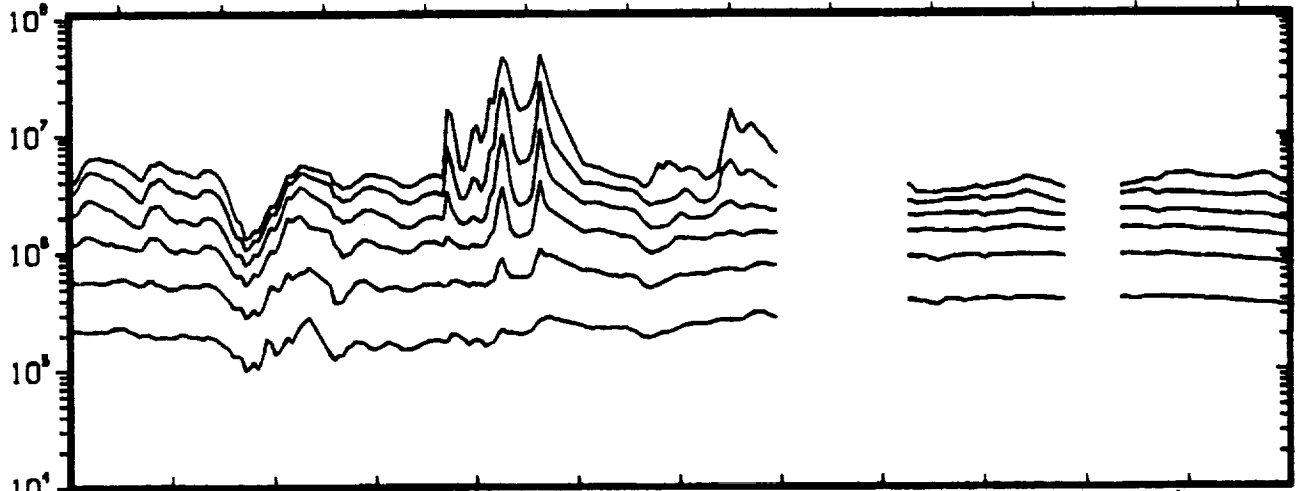
83/07/25

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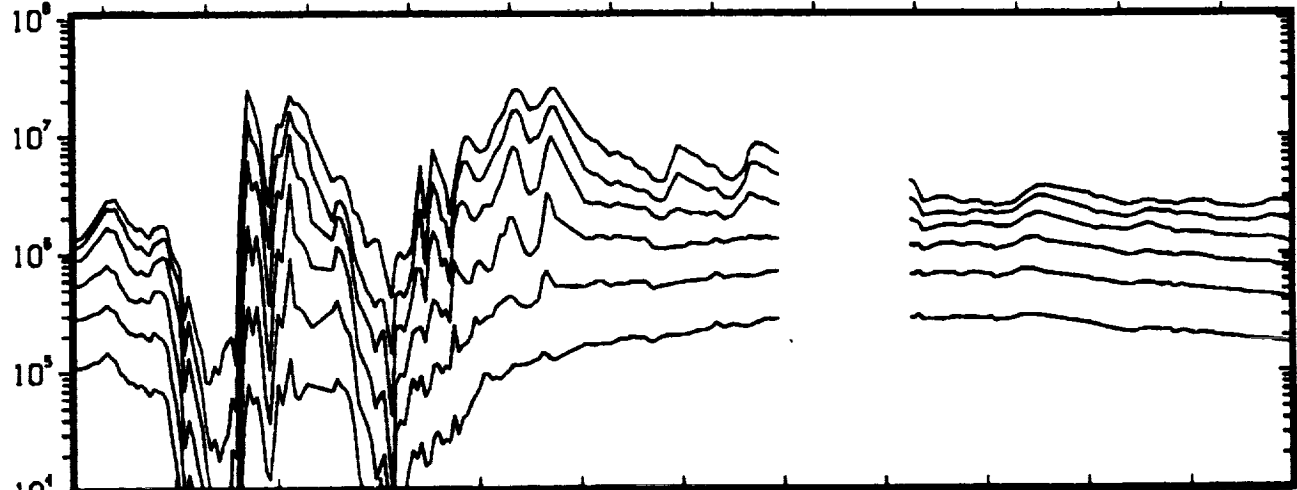
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



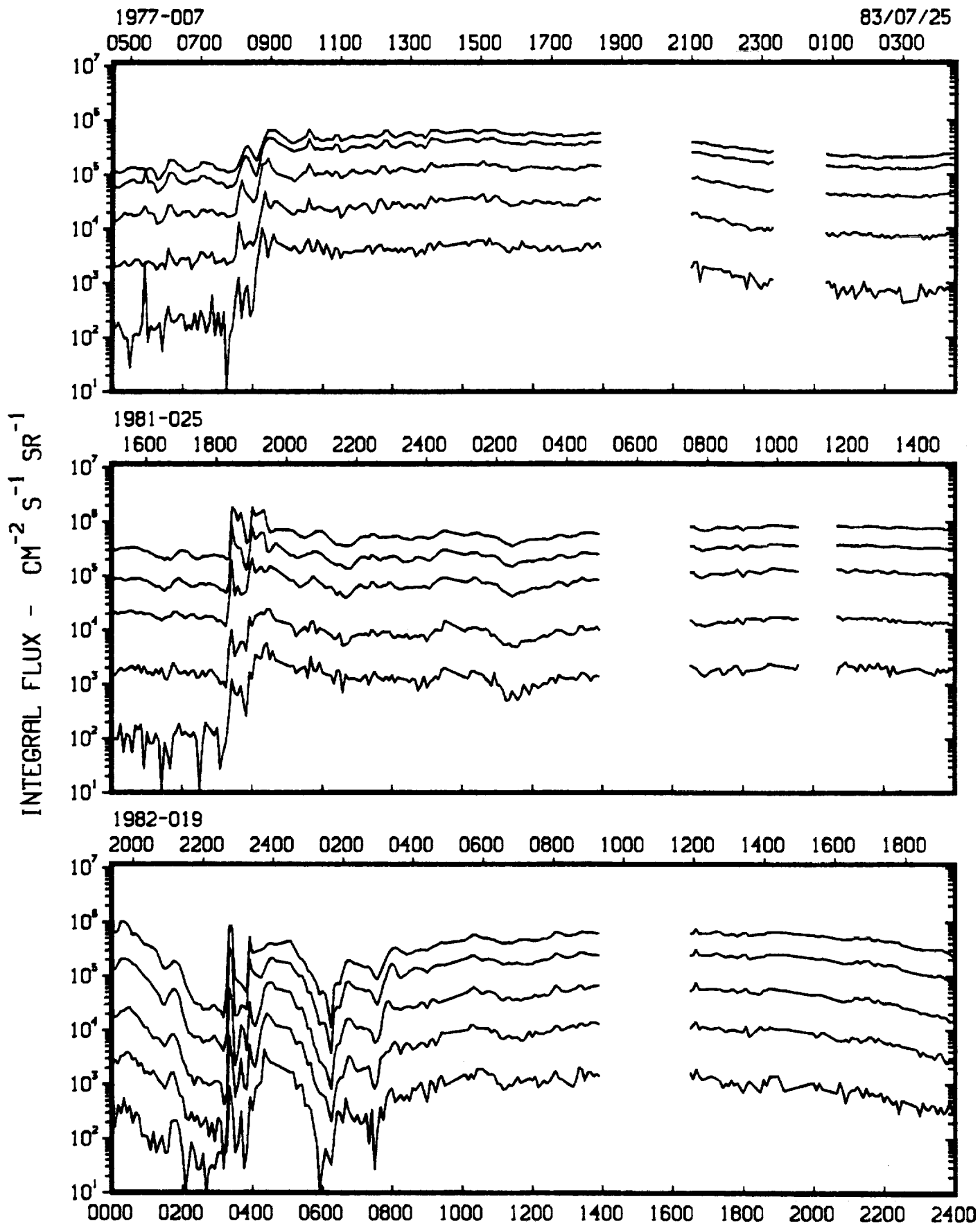
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

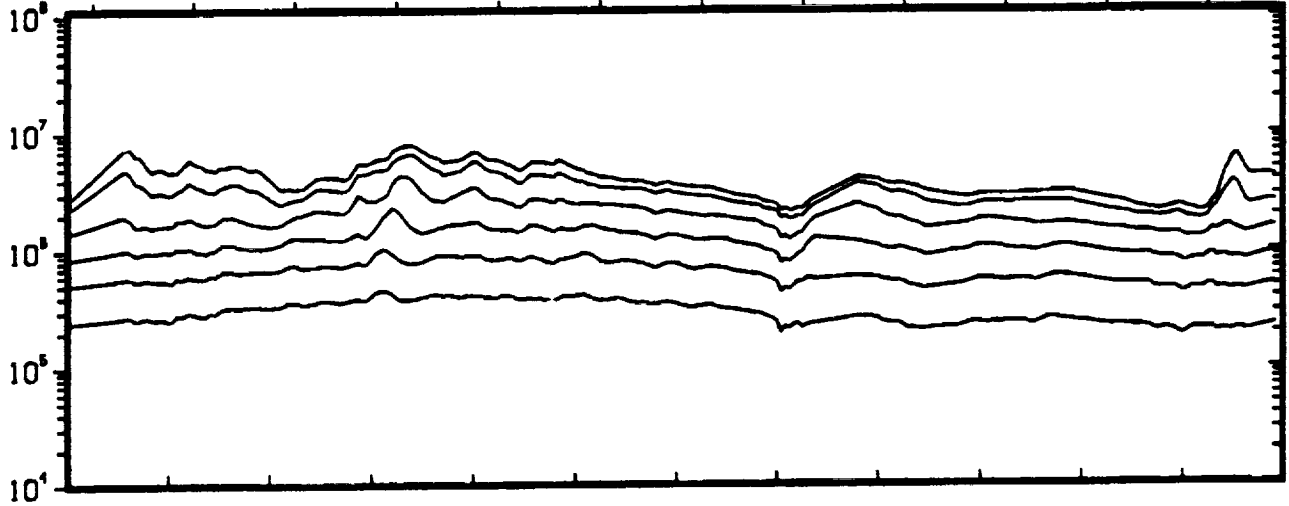


# LOW ENERGY ELECTRONS

1977-007

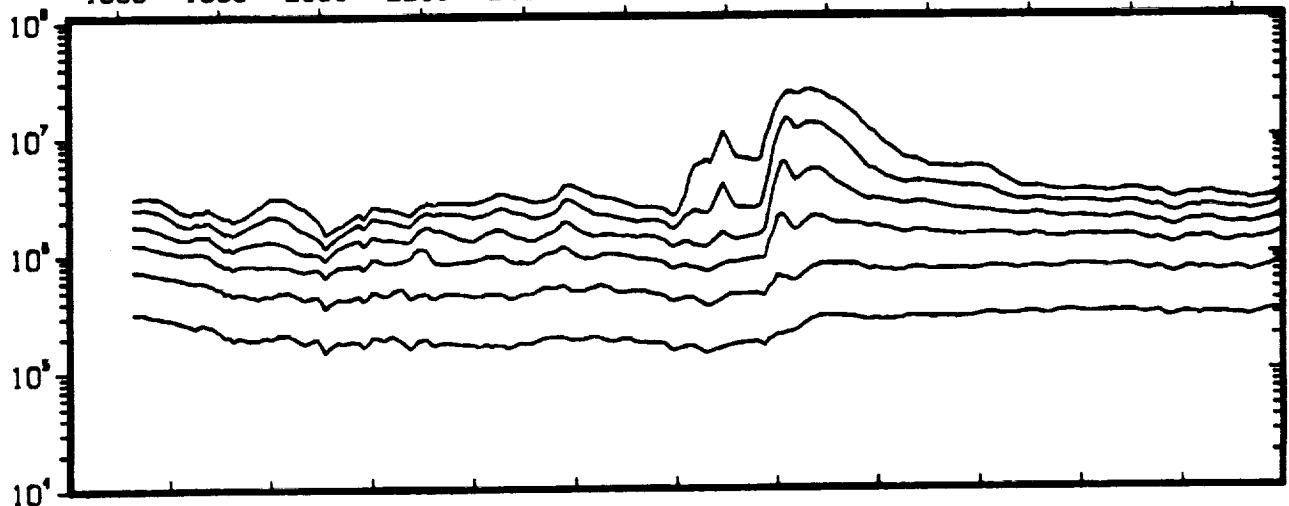
83/07/26

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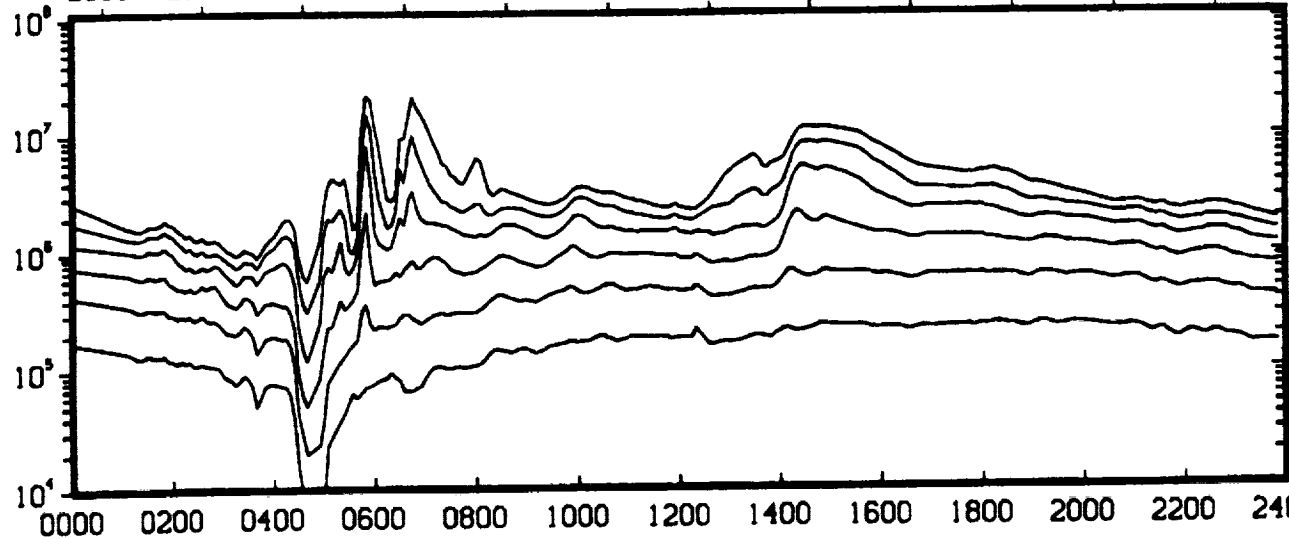
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



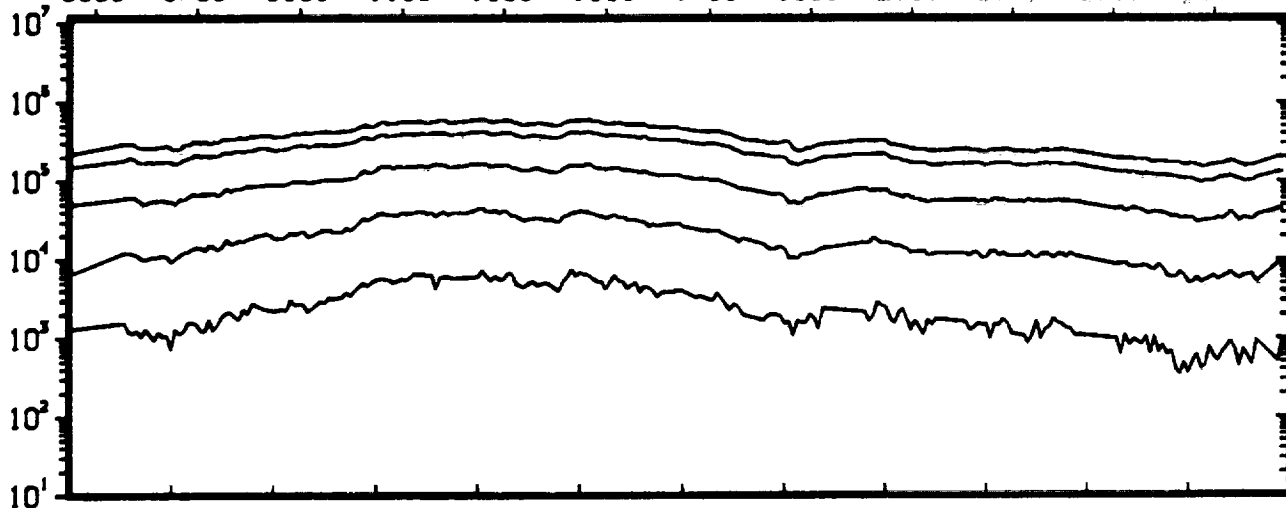
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

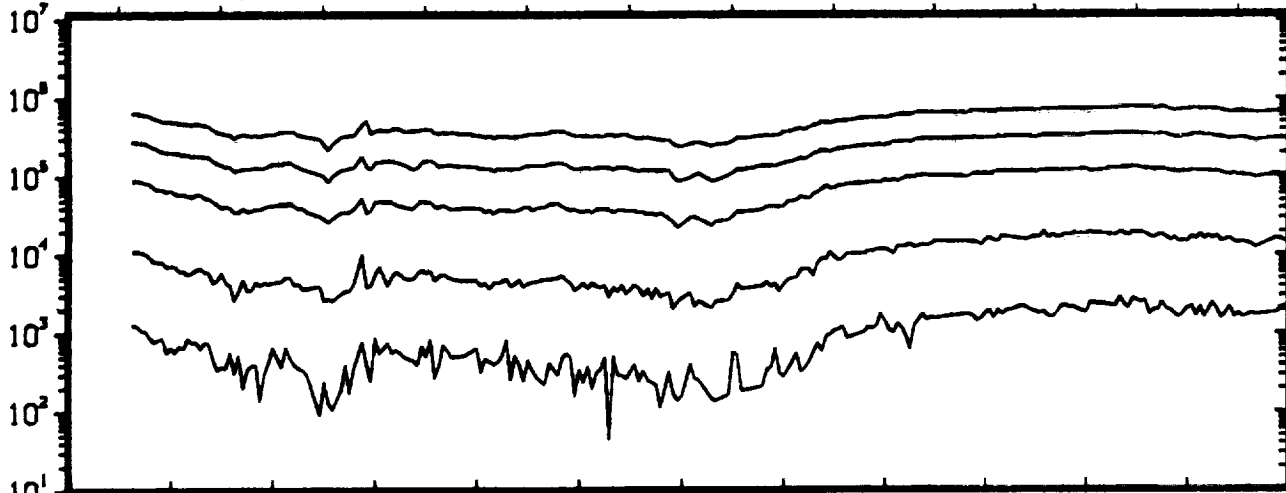
83/07/26

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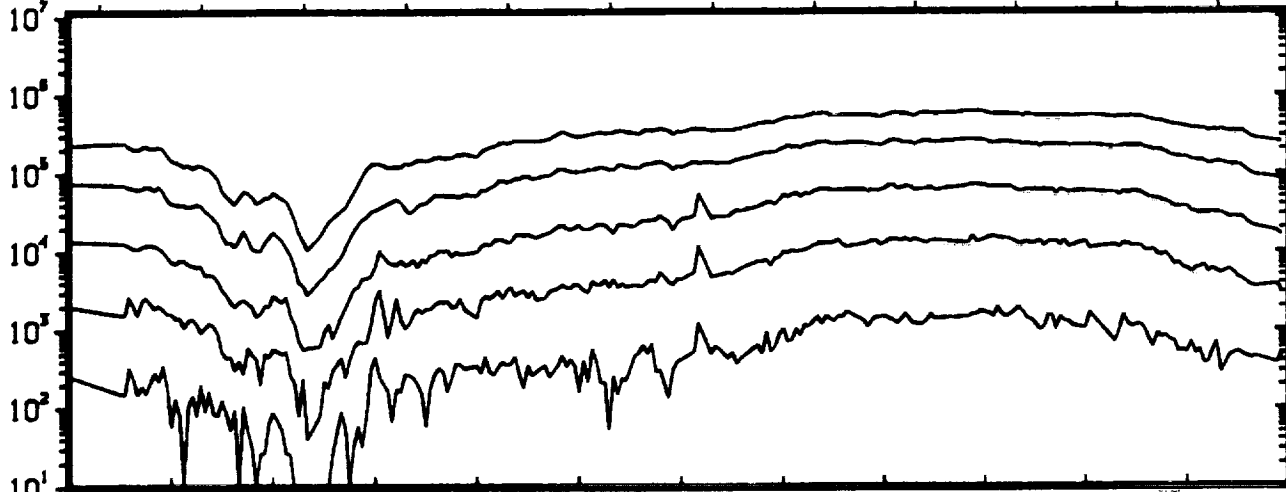
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



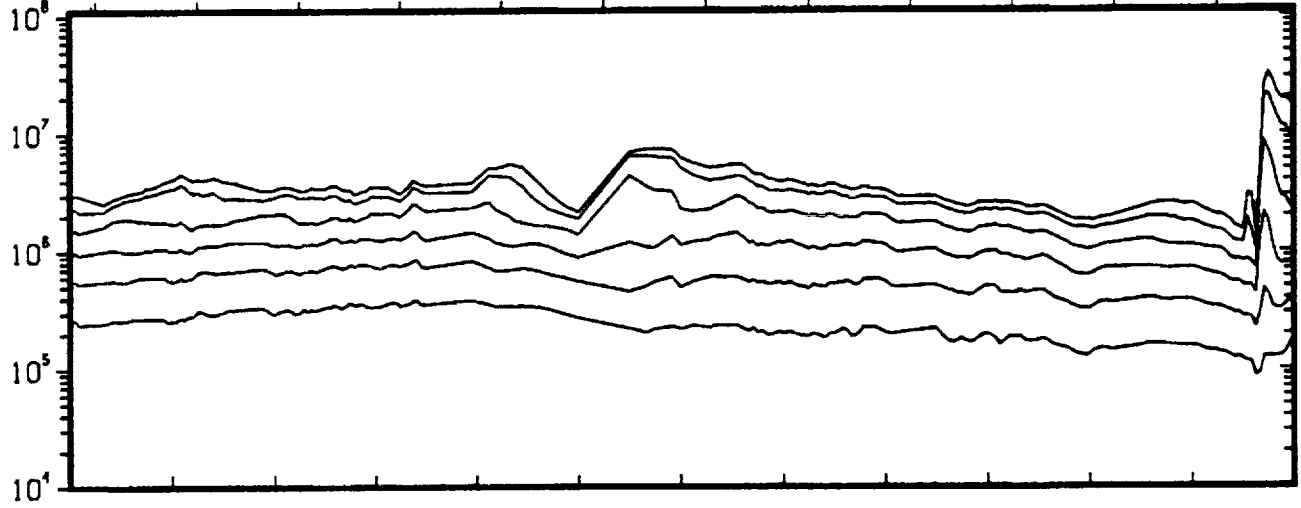
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

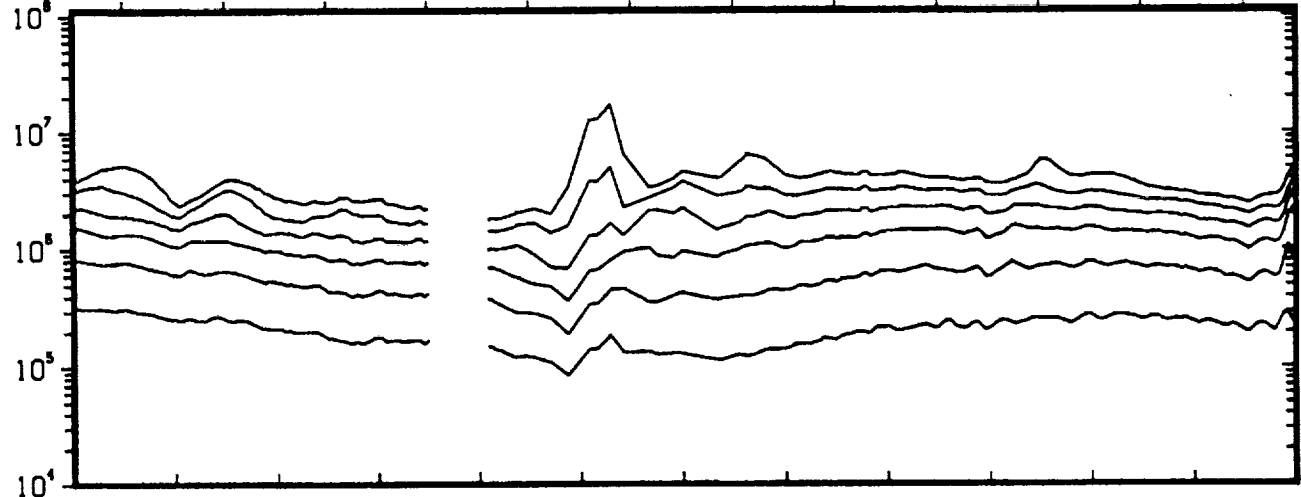
83/07/27

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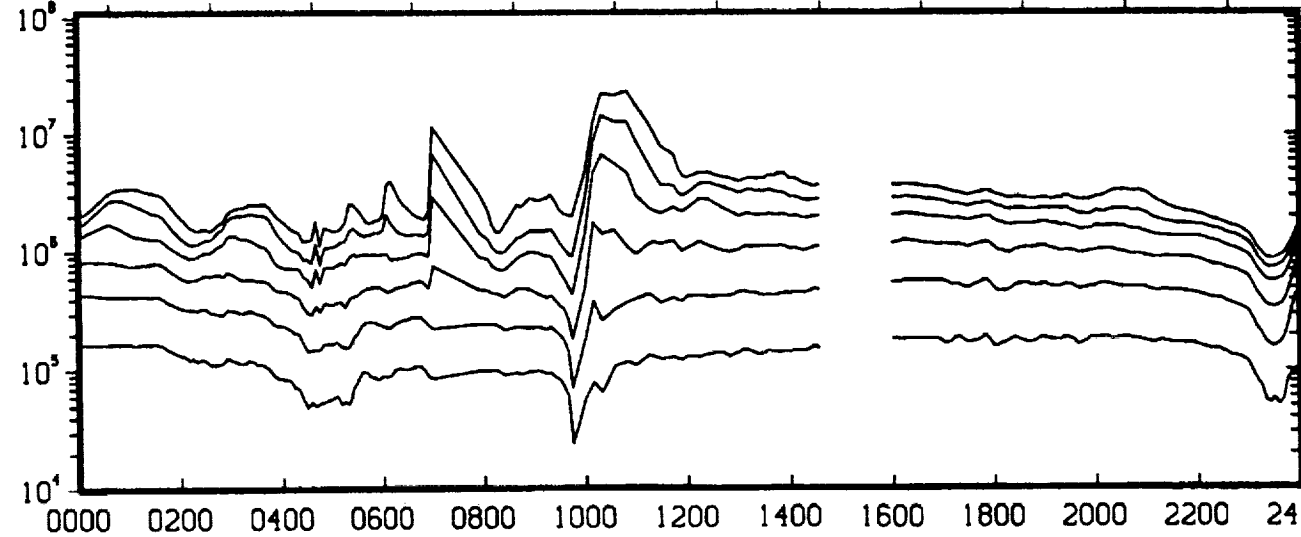
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

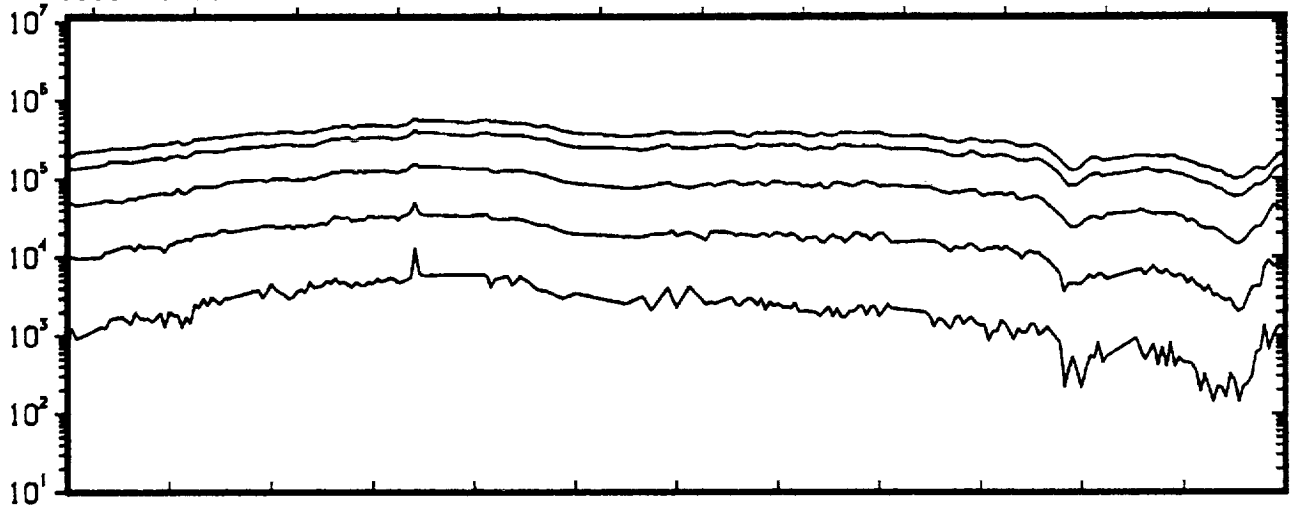


# LOW ENERGY IONS

1977-007

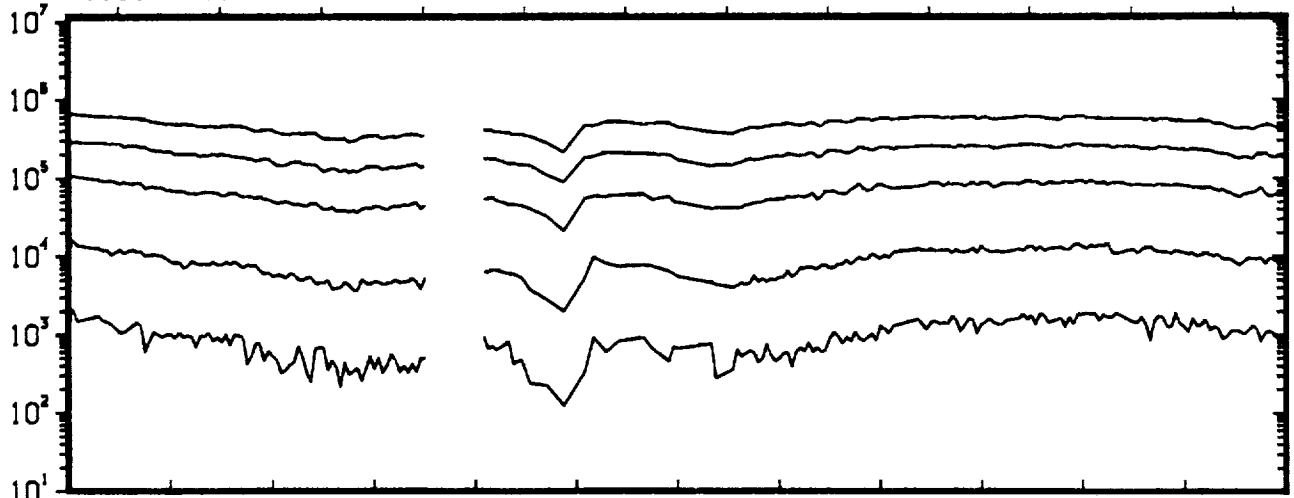
83/07/27

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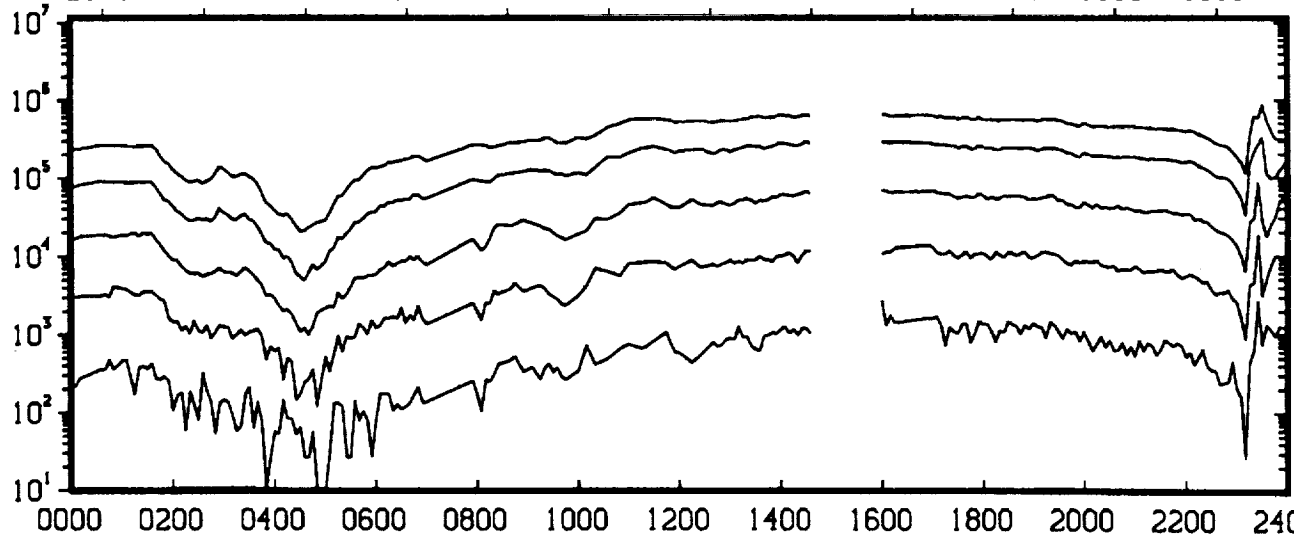
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



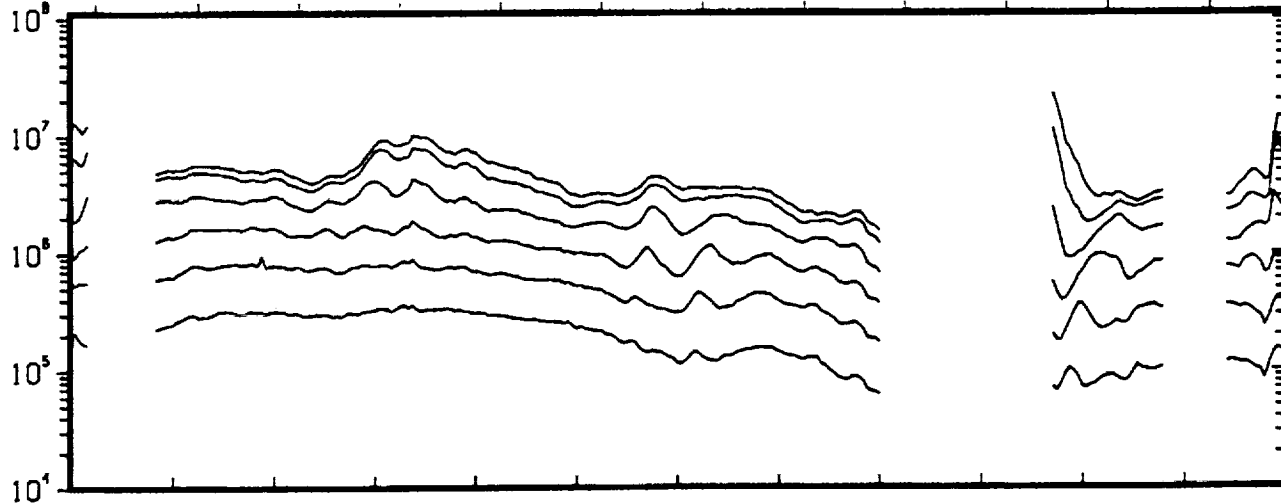
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

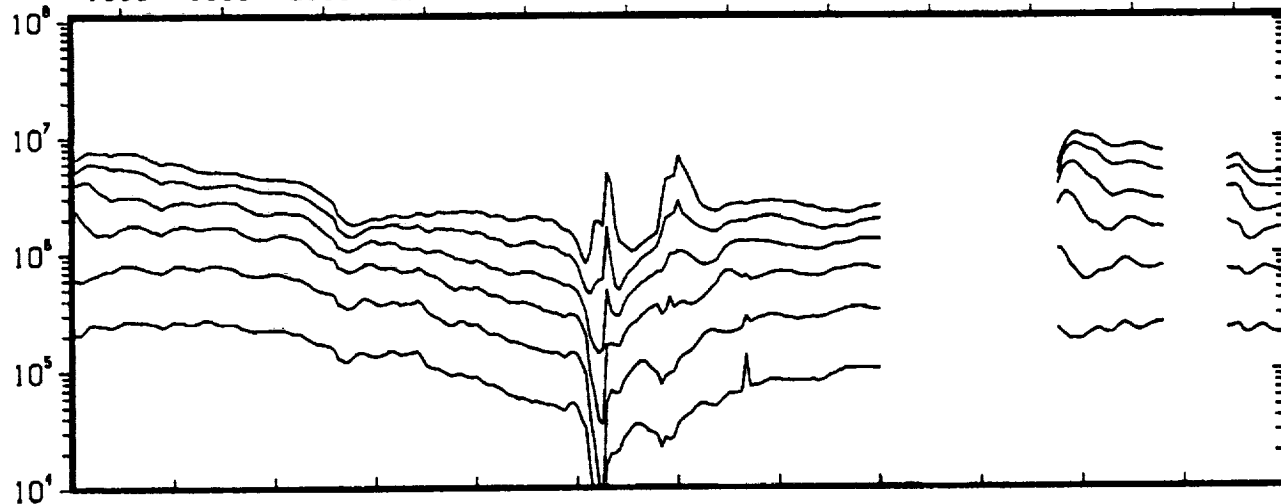
83/07/28

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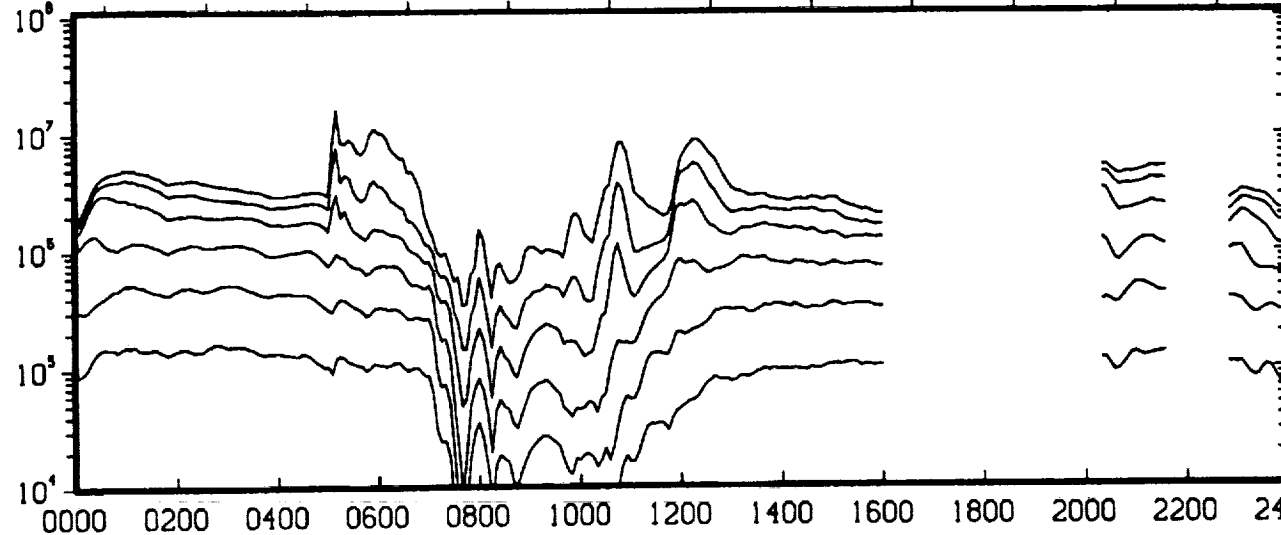
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



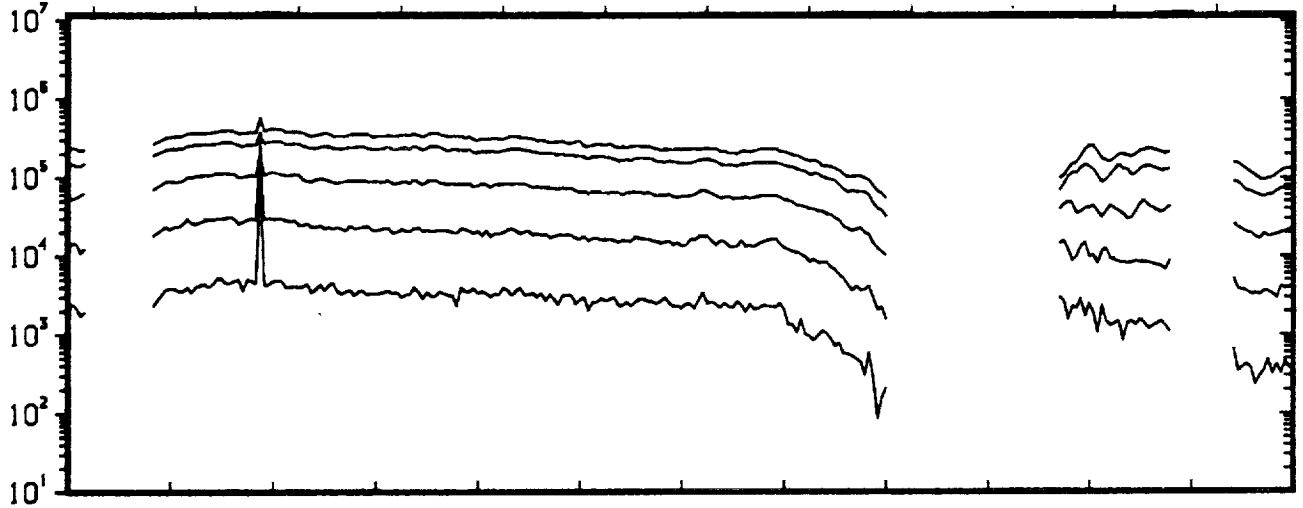
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/07/28

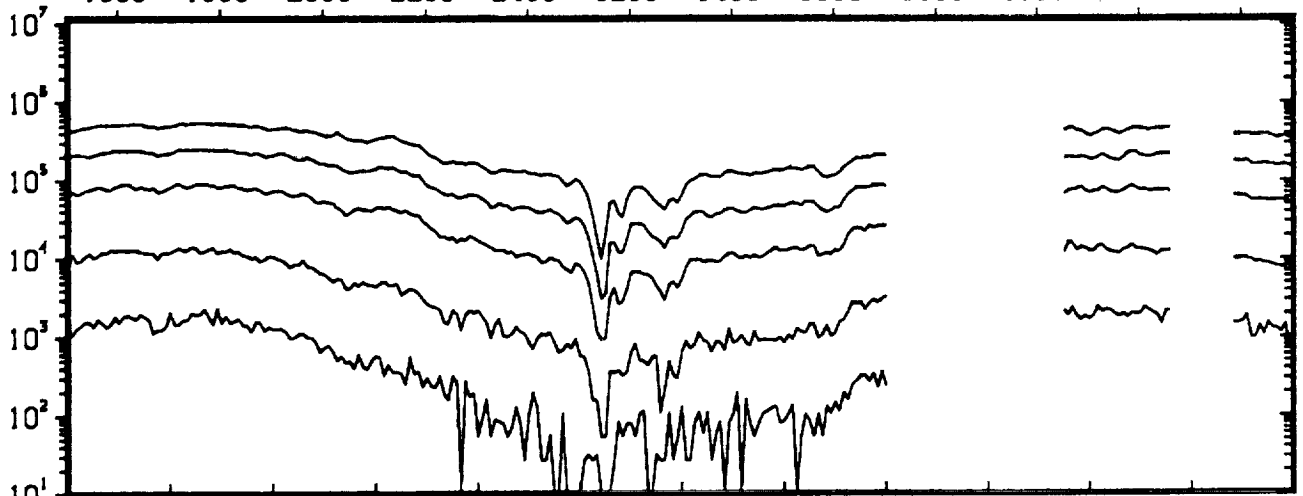
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1981-025

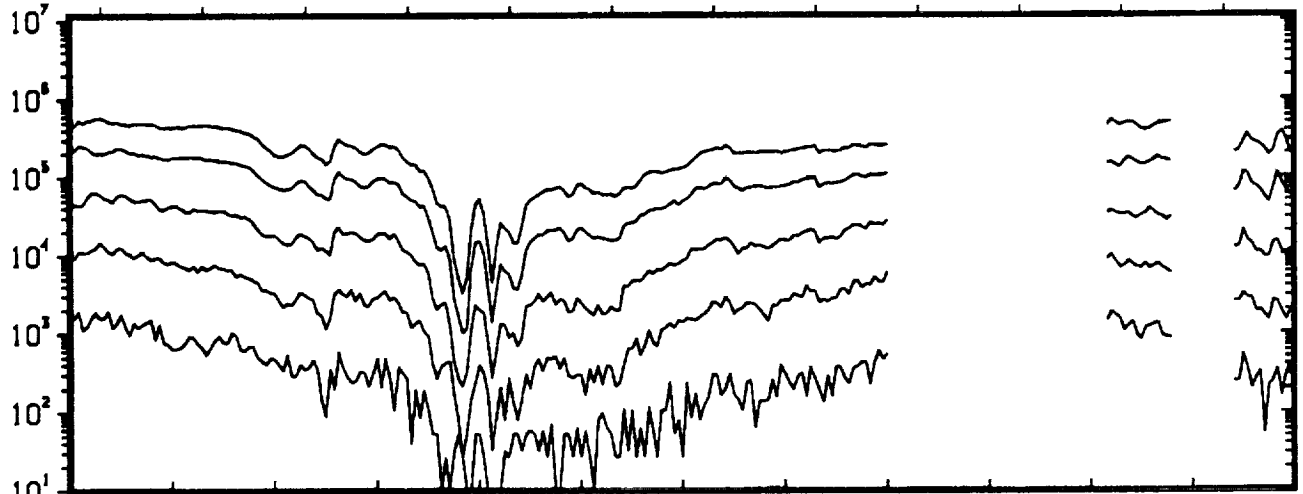
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



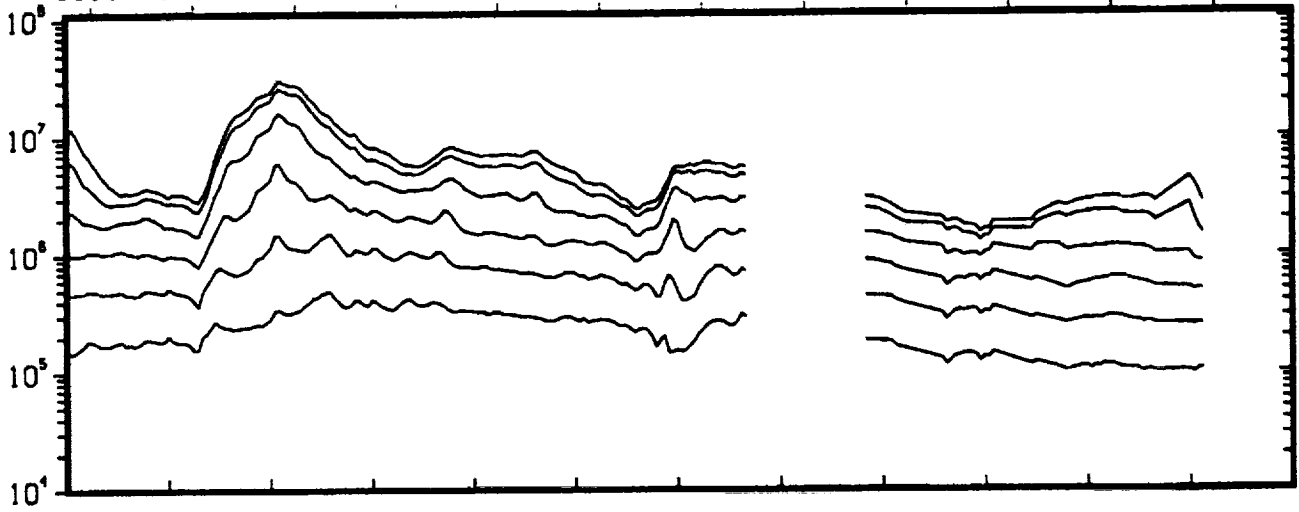
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# LOW ENERGY ELECTRONS

1977-007

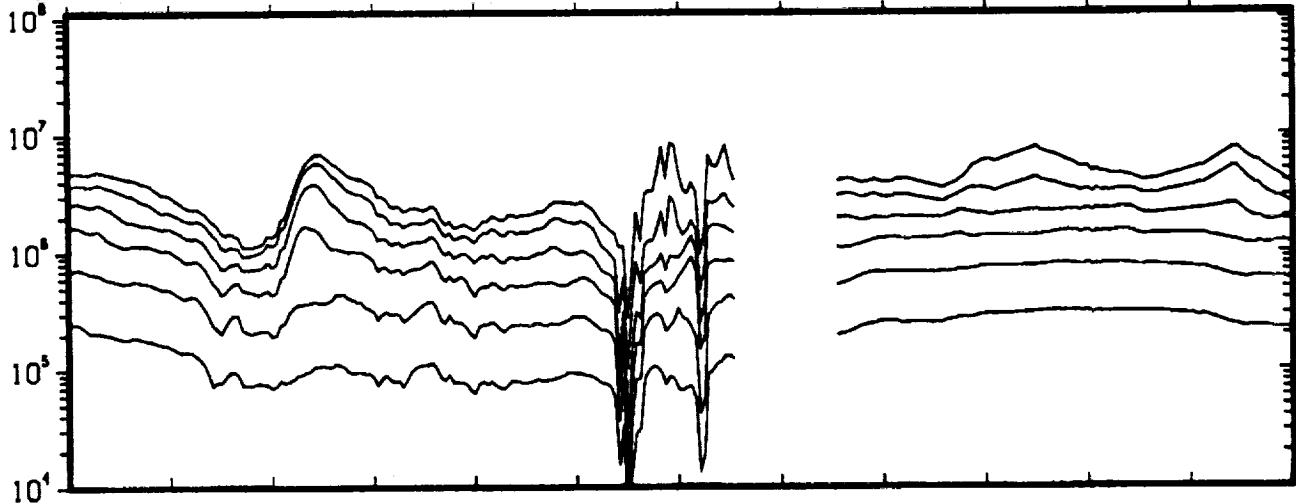
83/07/29

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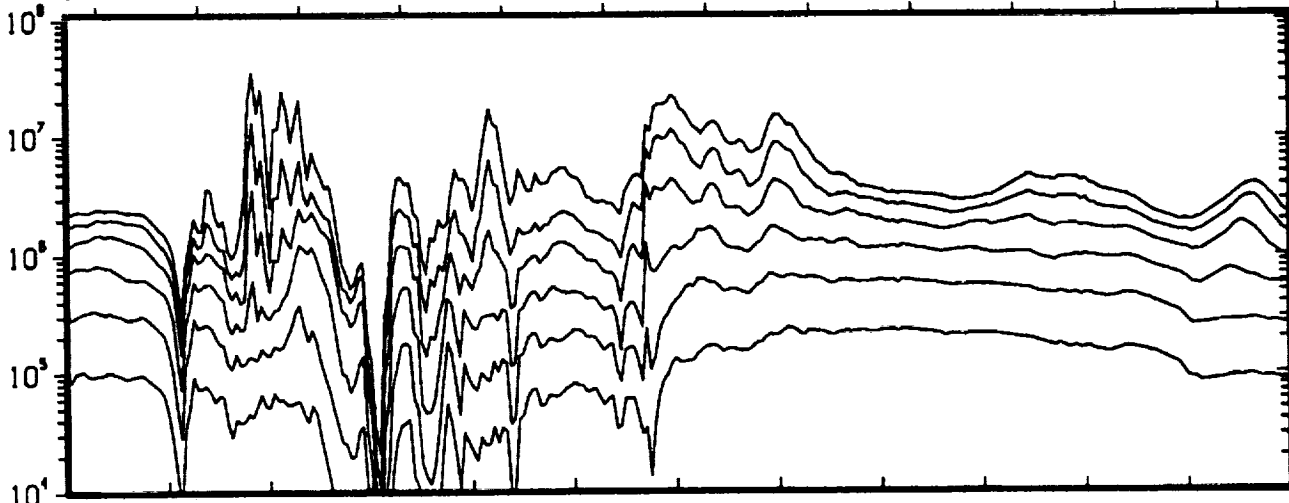
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



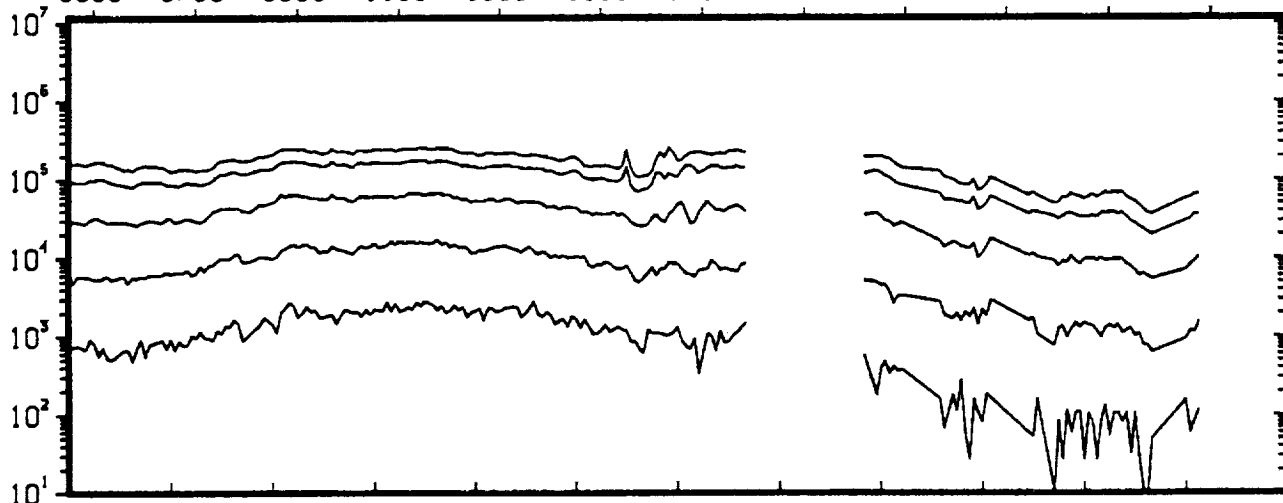
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

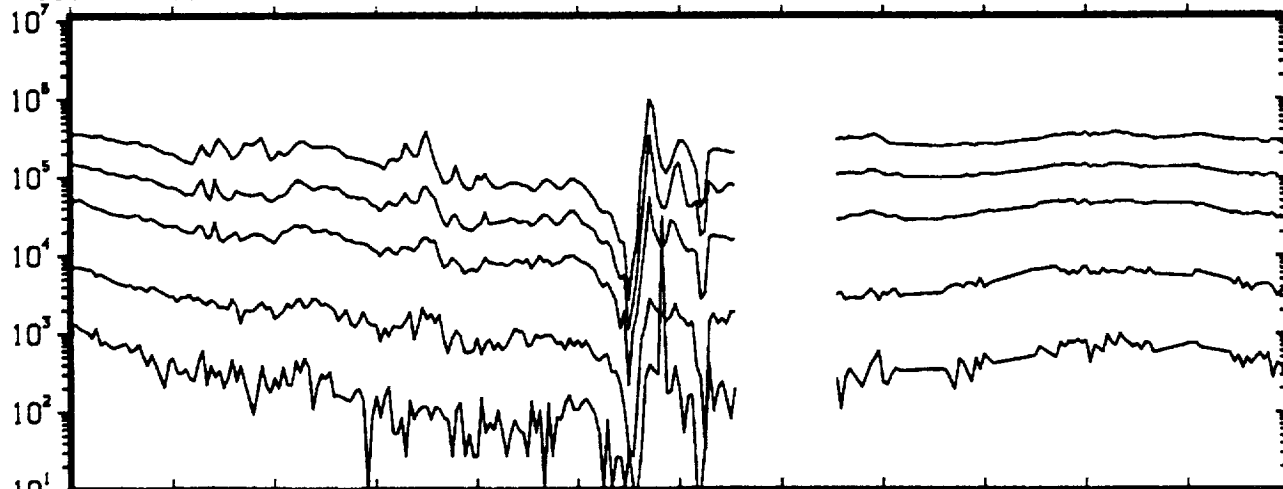
83/07/29

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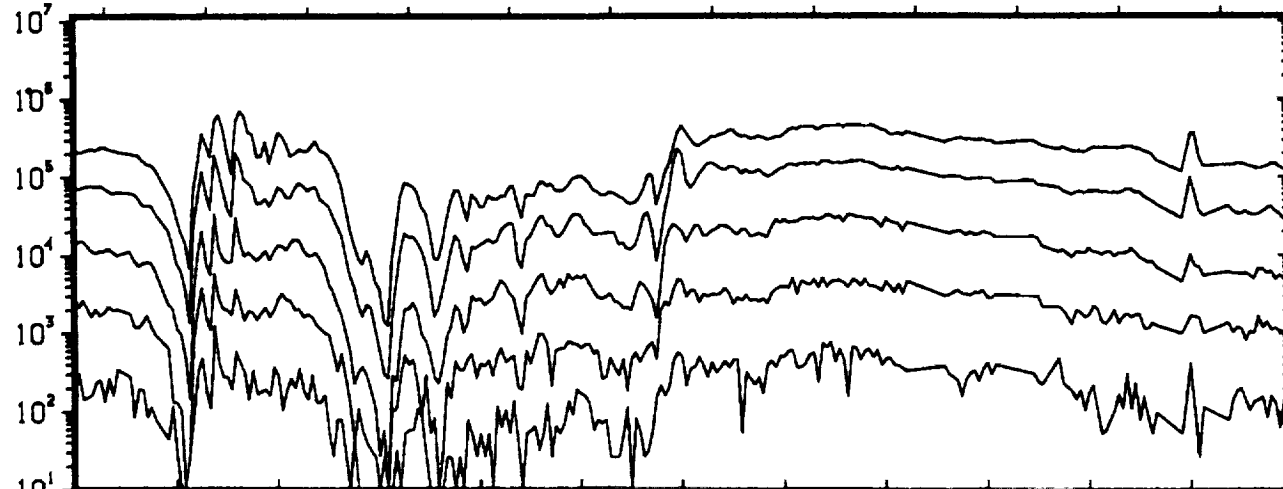
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



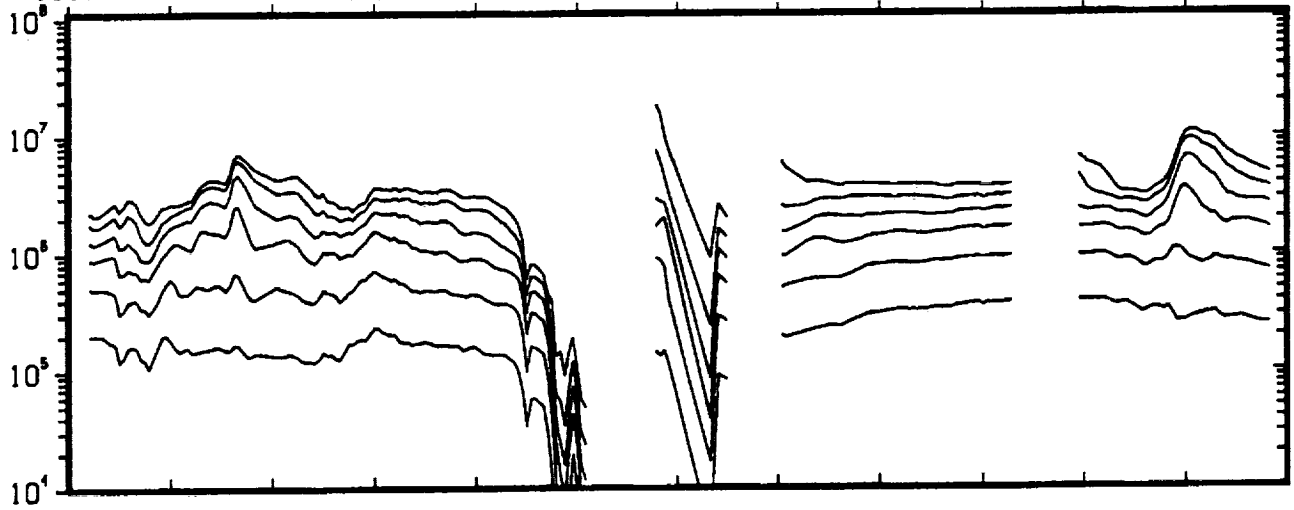
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1981-025

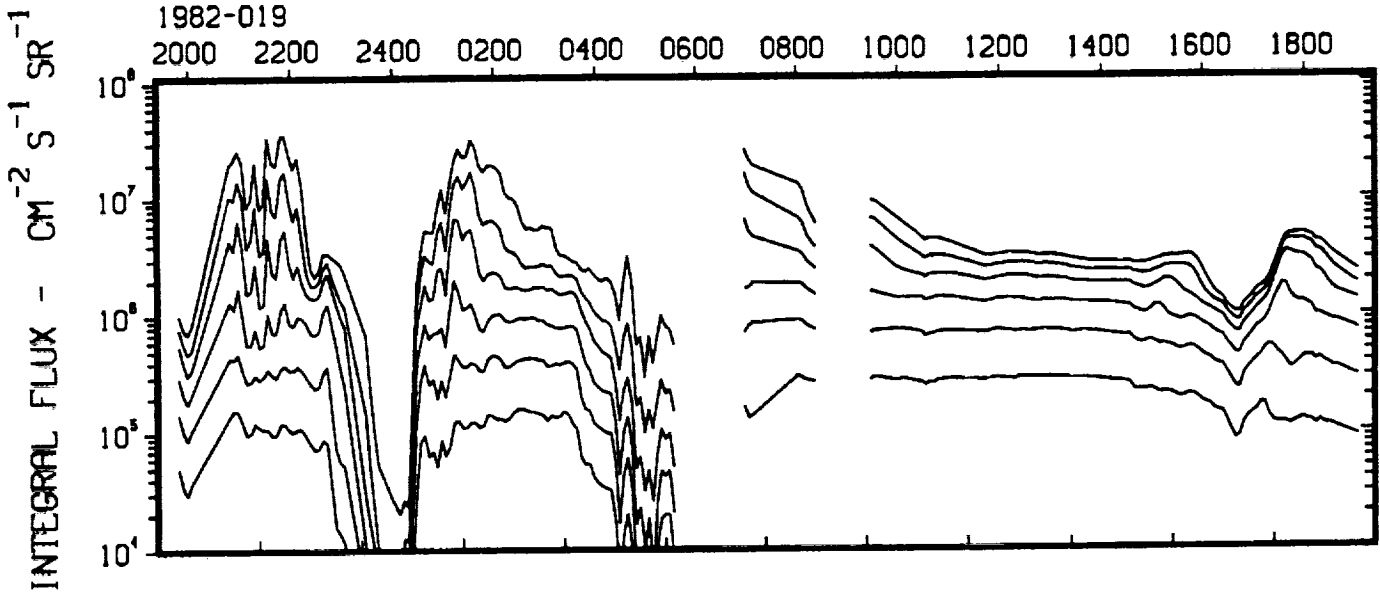
83/07/30

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



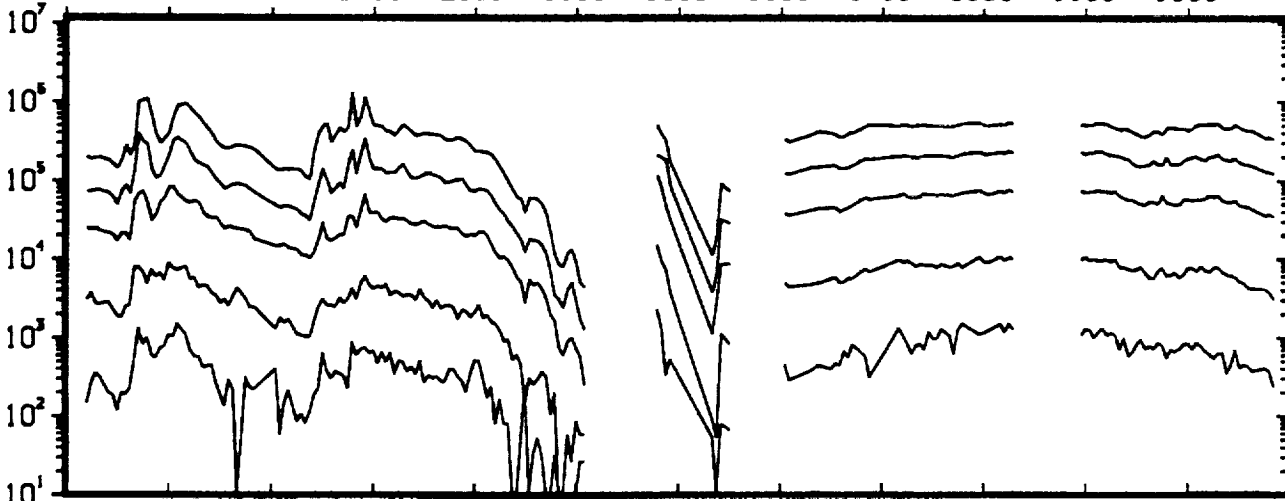
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1981-025

83/07/30

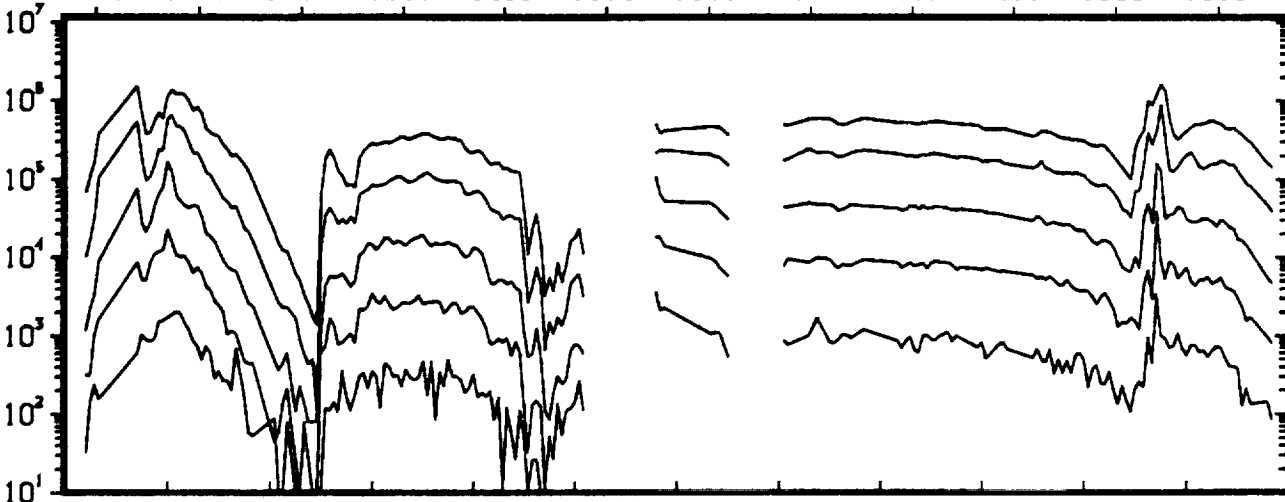
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

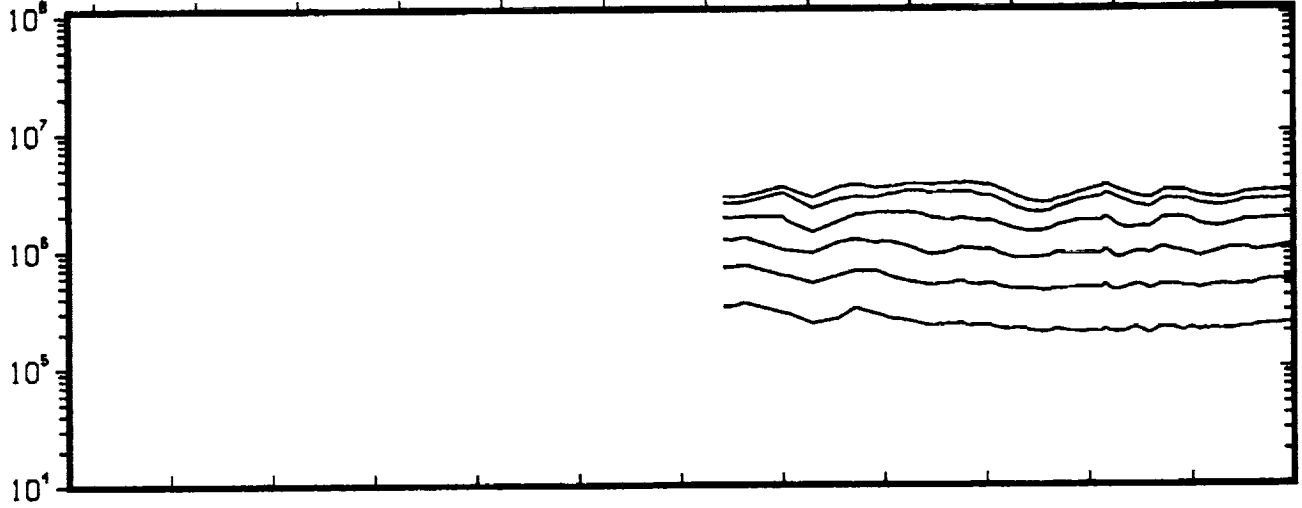


# LOW ENERGY ELECTRONS

1977-007

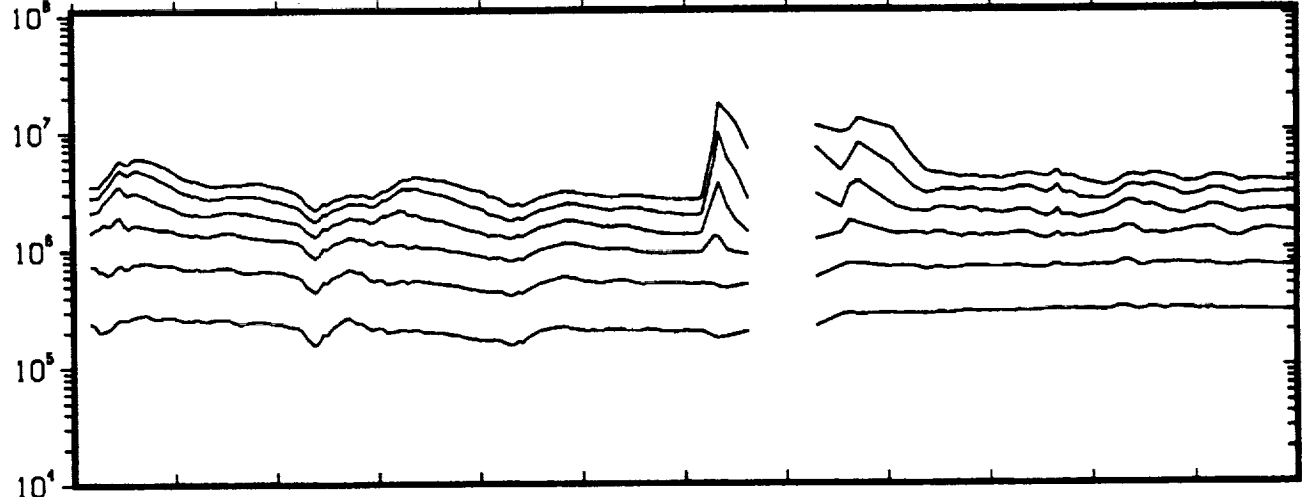
83/07/31

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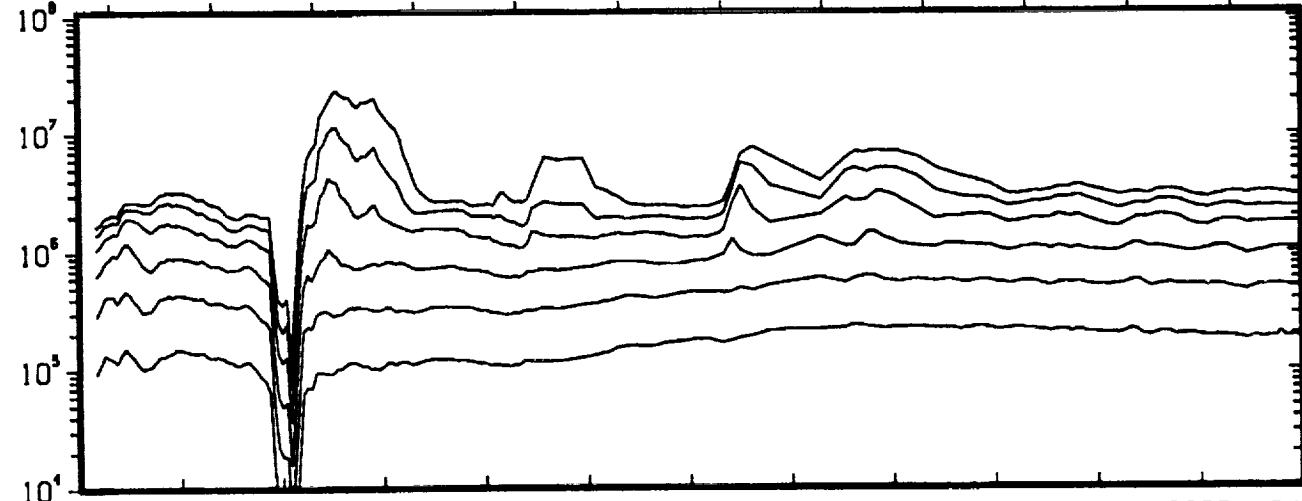
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

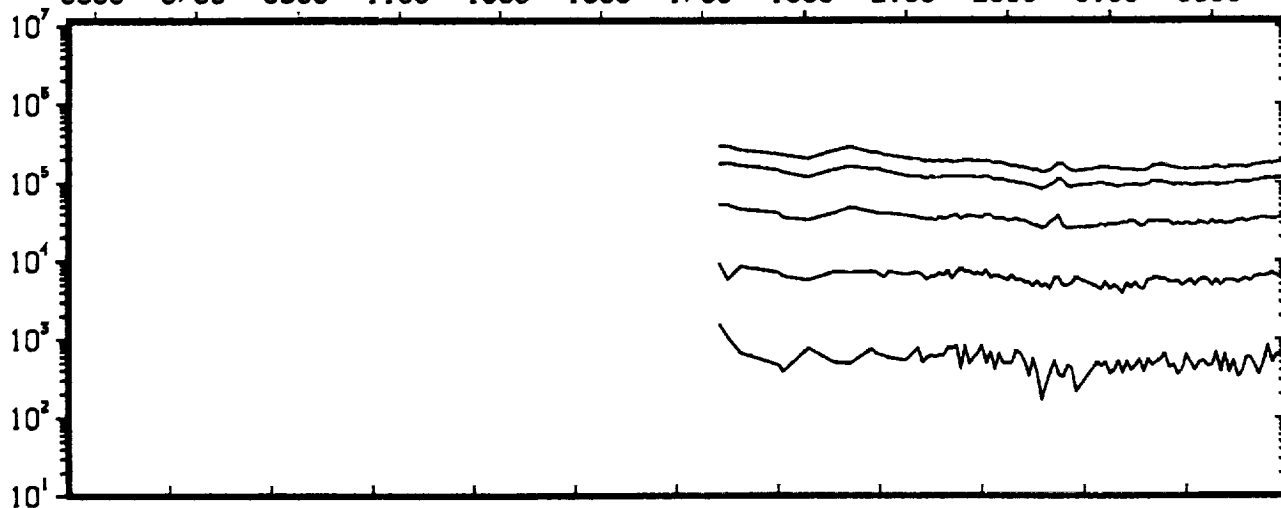


# LOW ENERGY IONS

1977-007

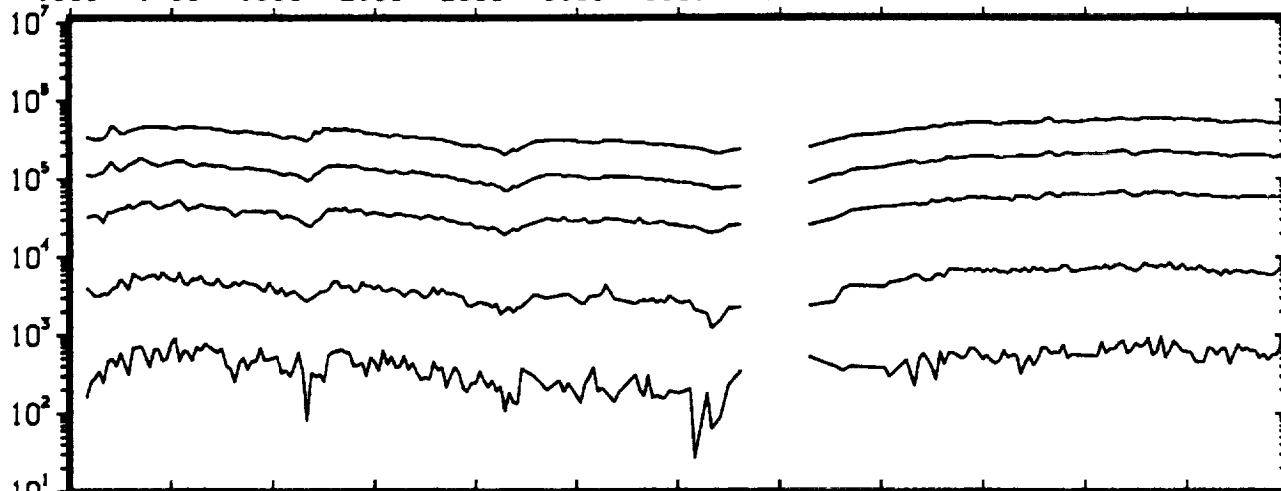
83/07/31

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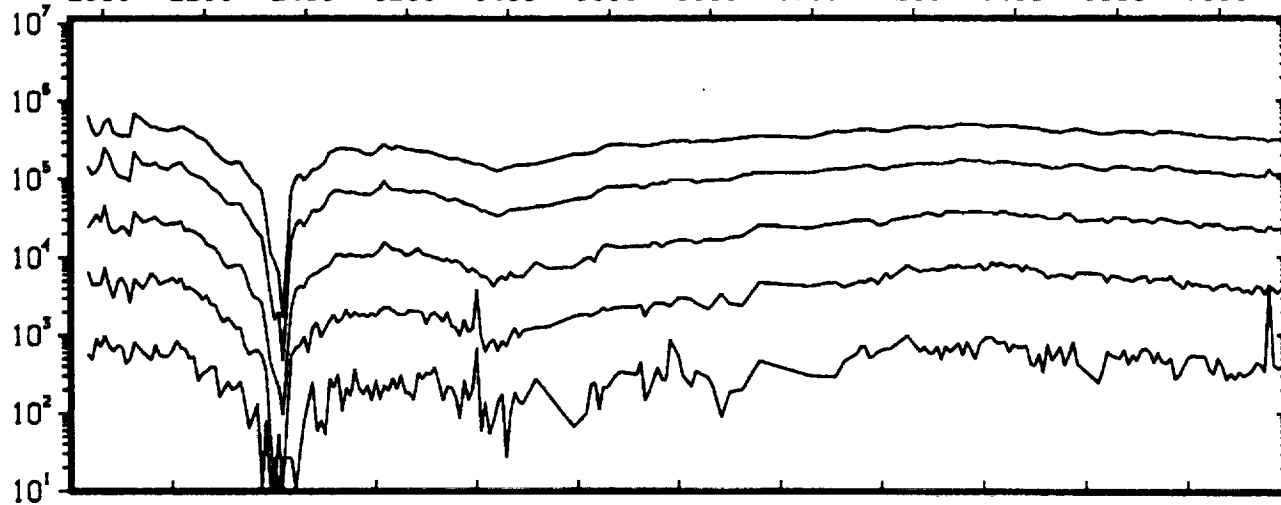
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



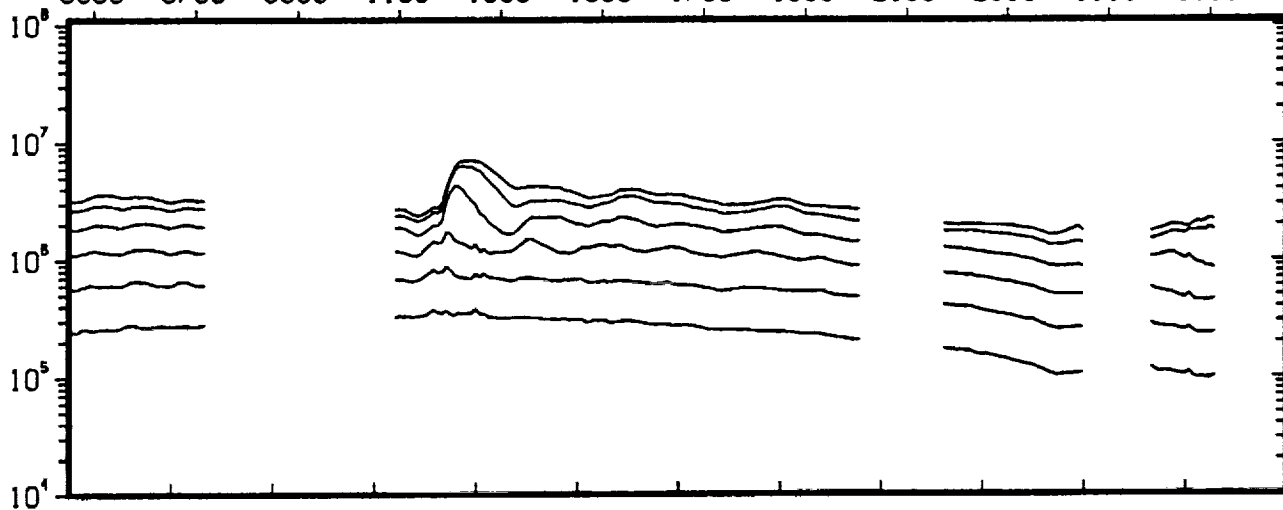
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

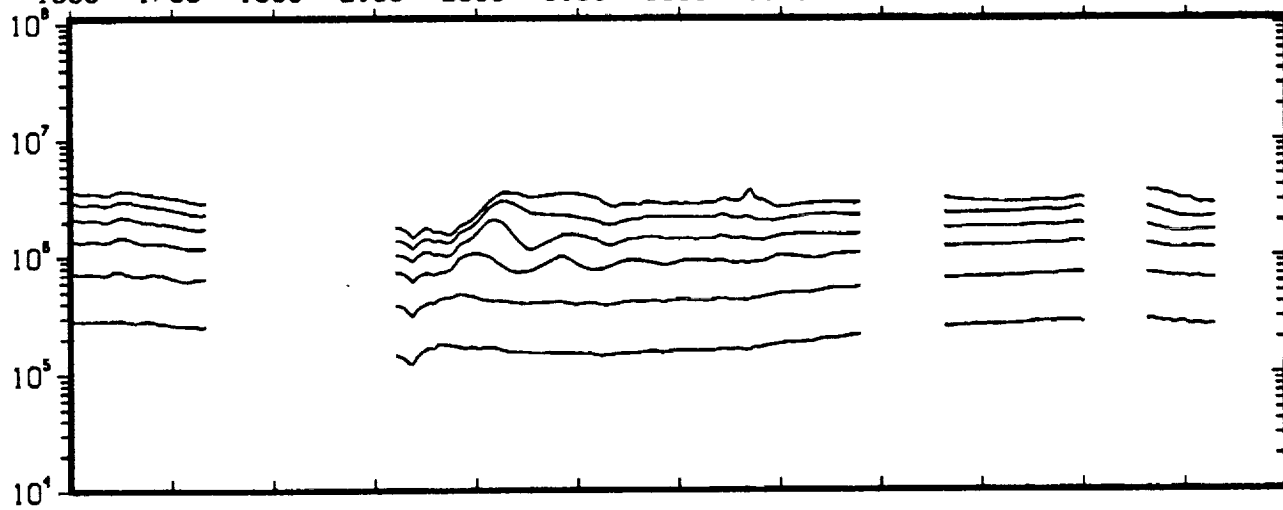
83/08/01

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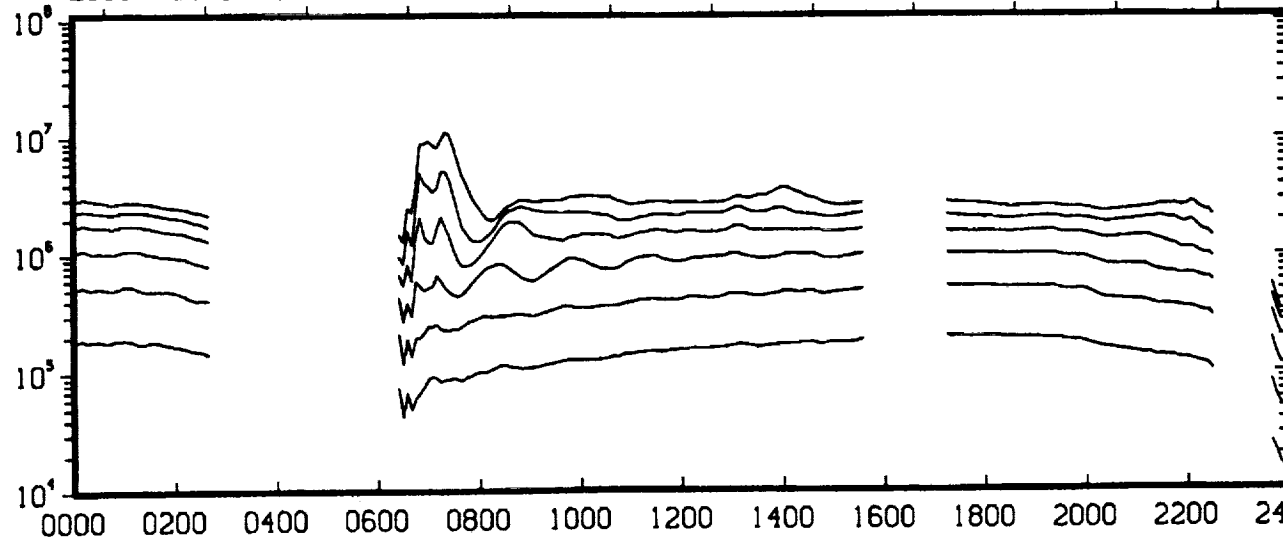
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



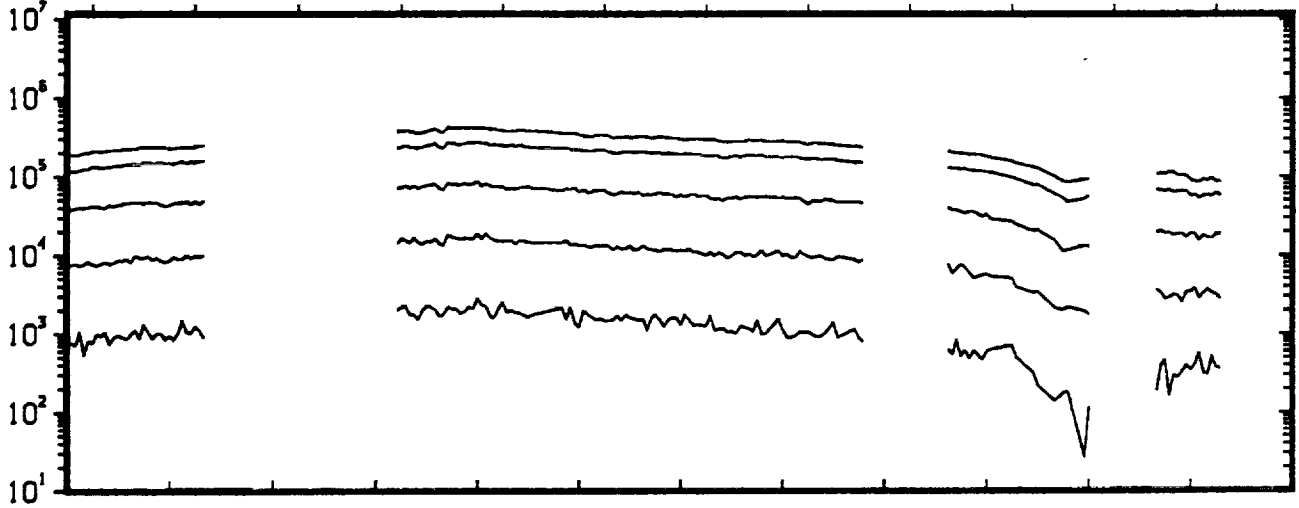
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/08/01

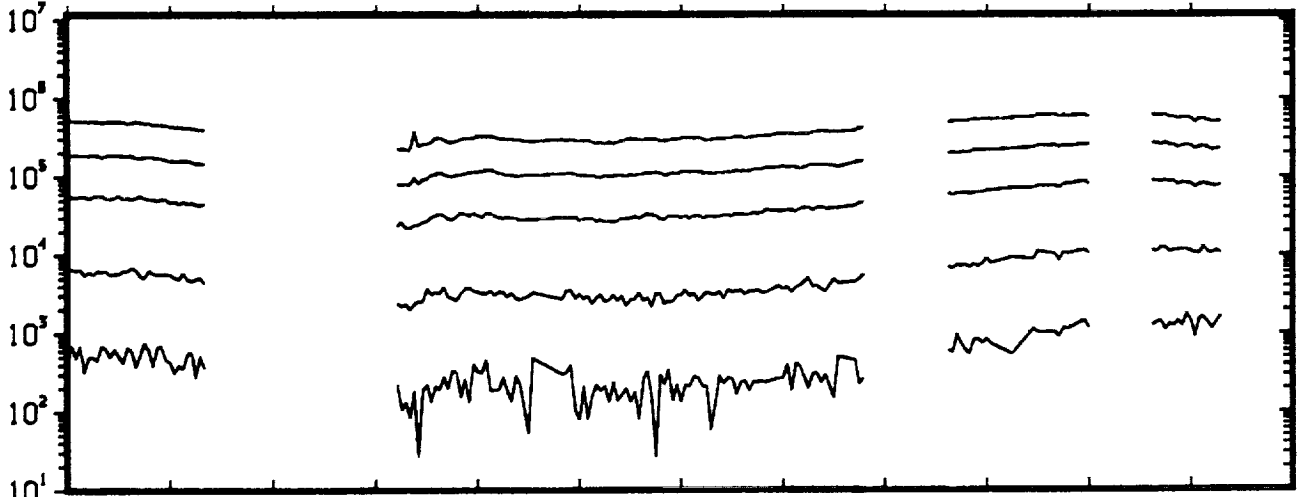
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

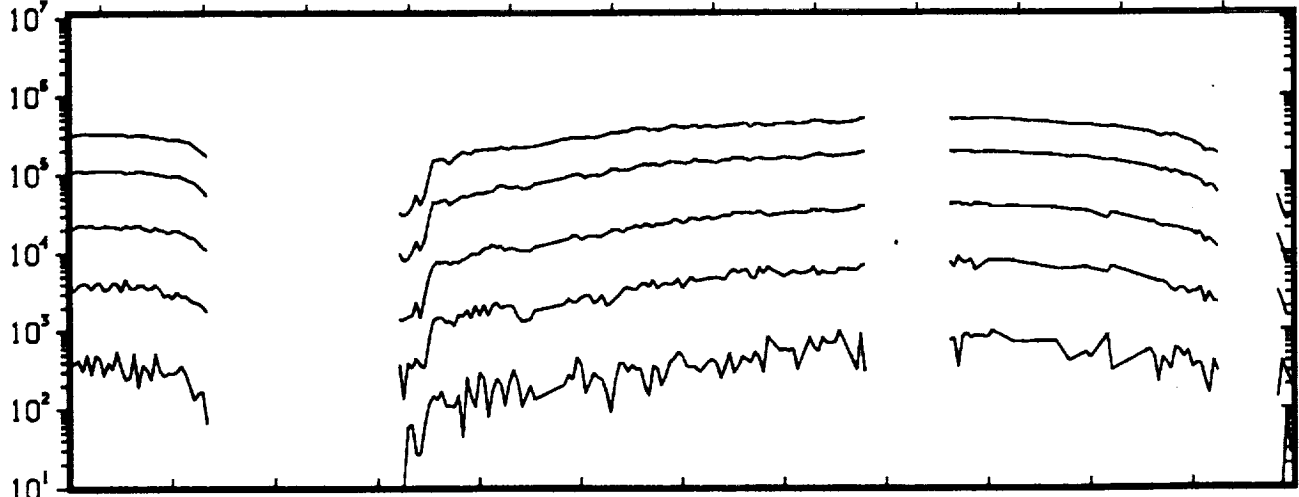
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



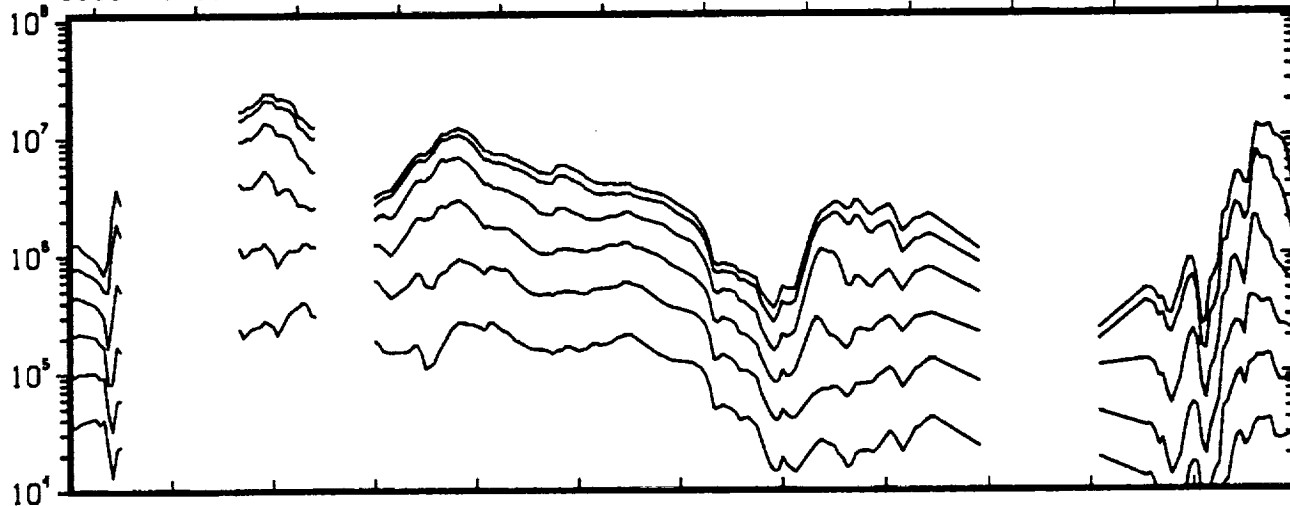
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# LOW ENERGY ELECTRONS

1977-007

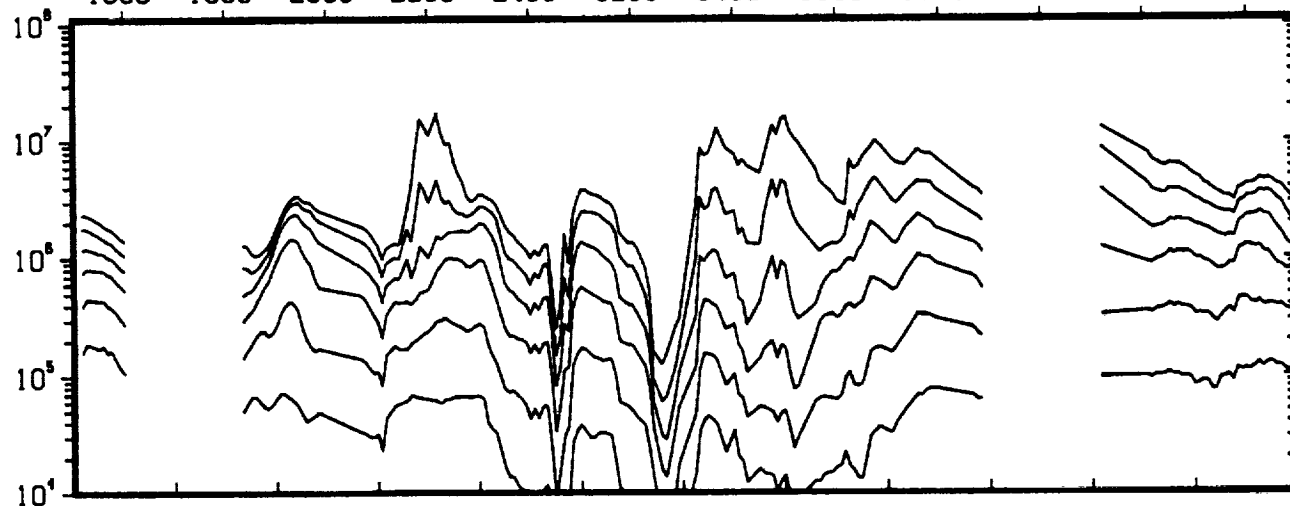
83/08/02

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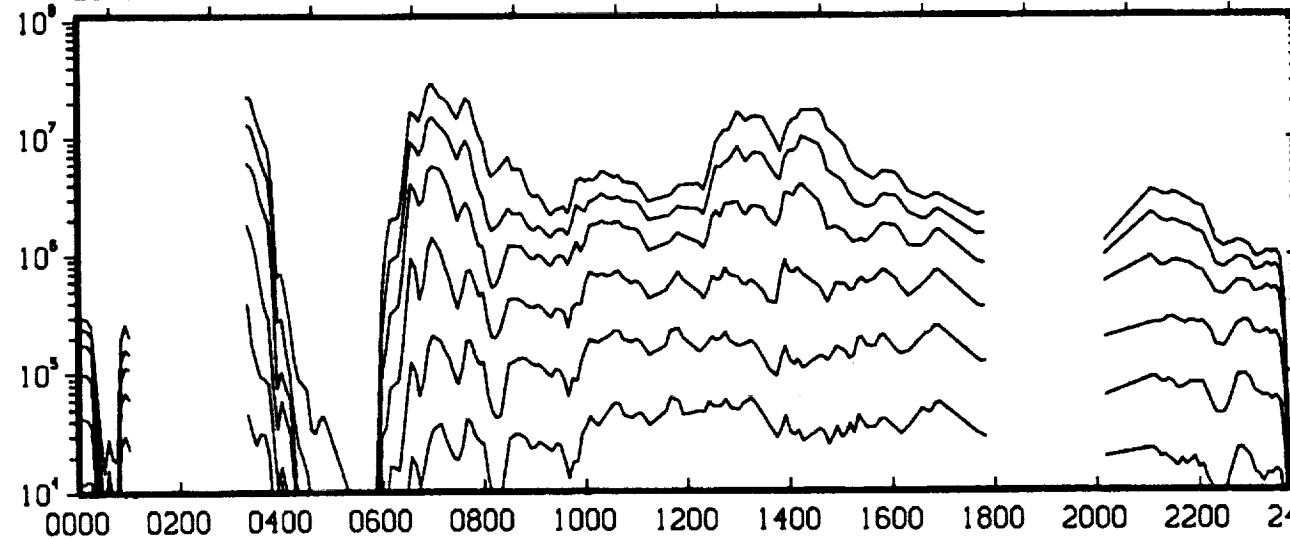
1981-025

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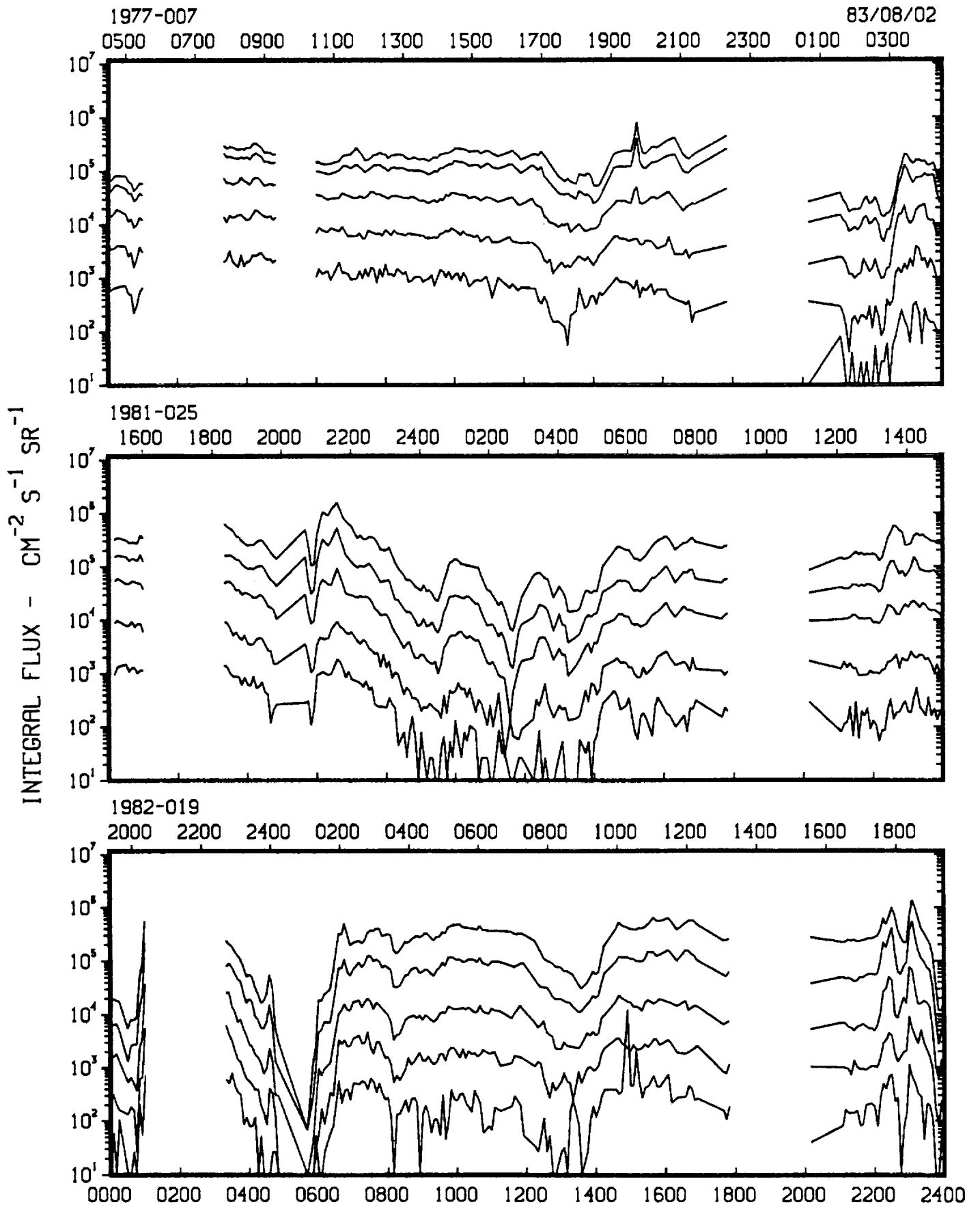
1982-019

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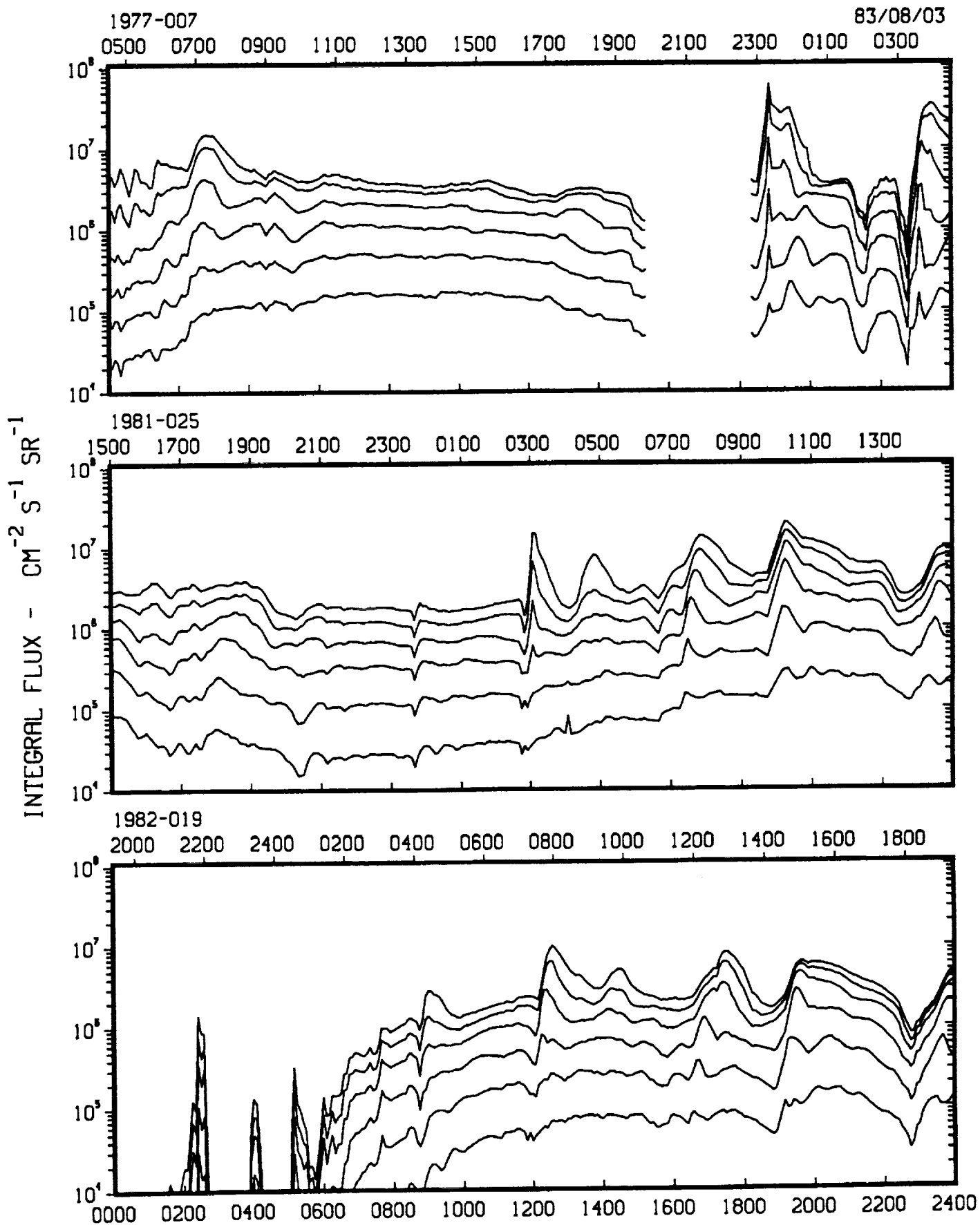


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

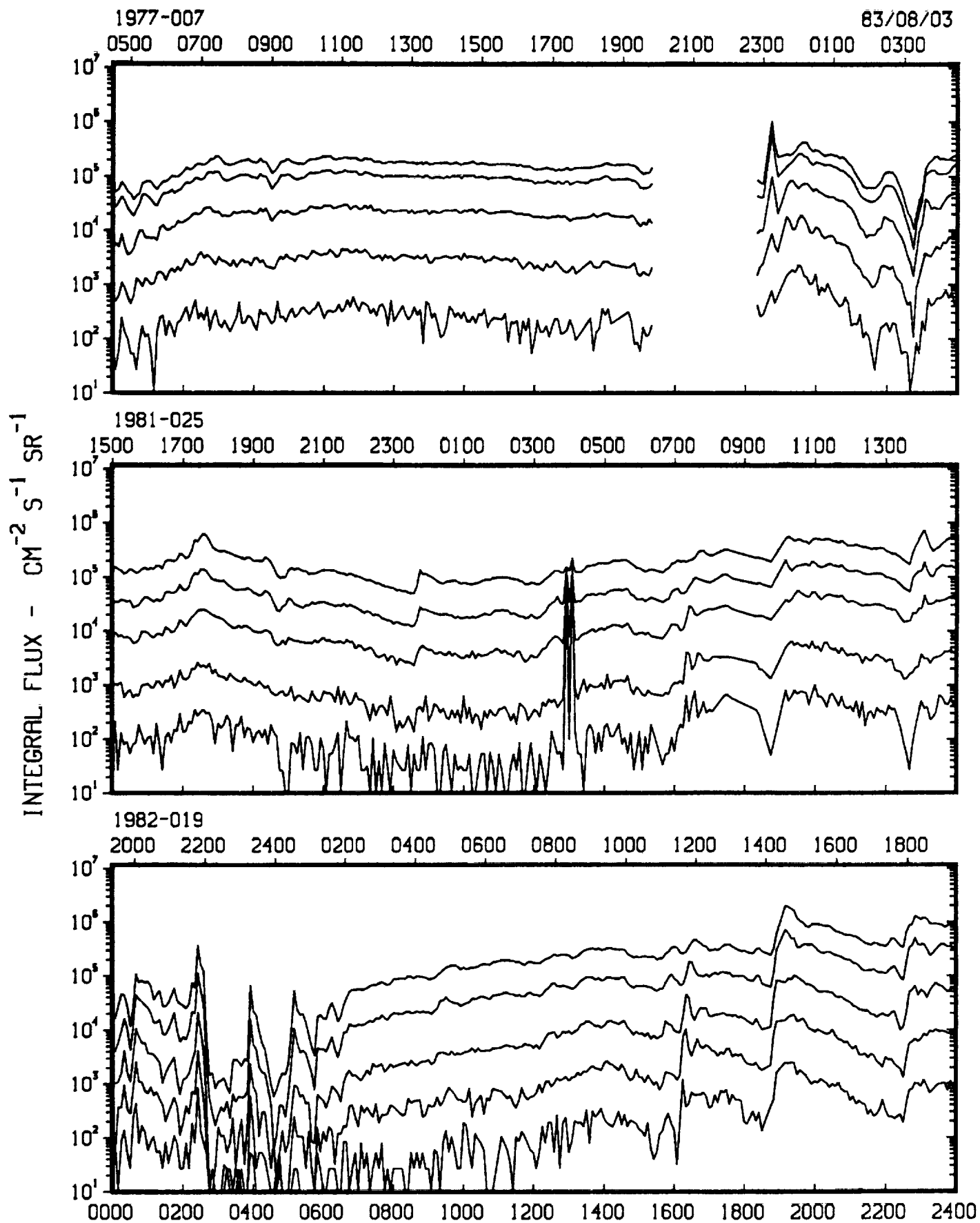
# LOW ENERGY IONS



# LOW ENERGY ELECTRONS



# LOW ENERGY IONS

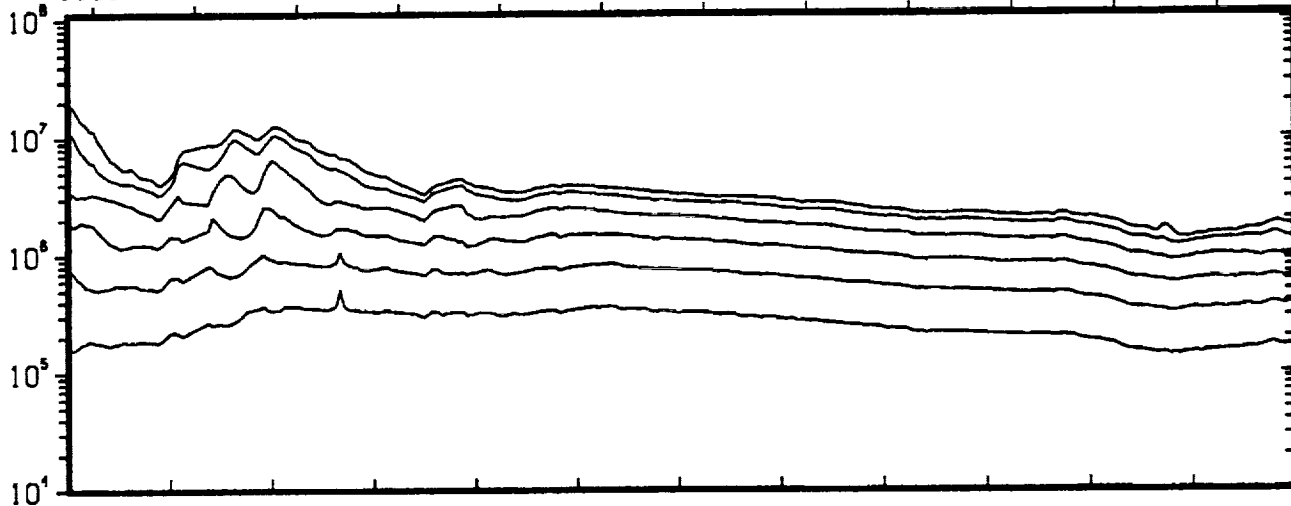


# LOW ENERGY ELECTRONS

1977-007

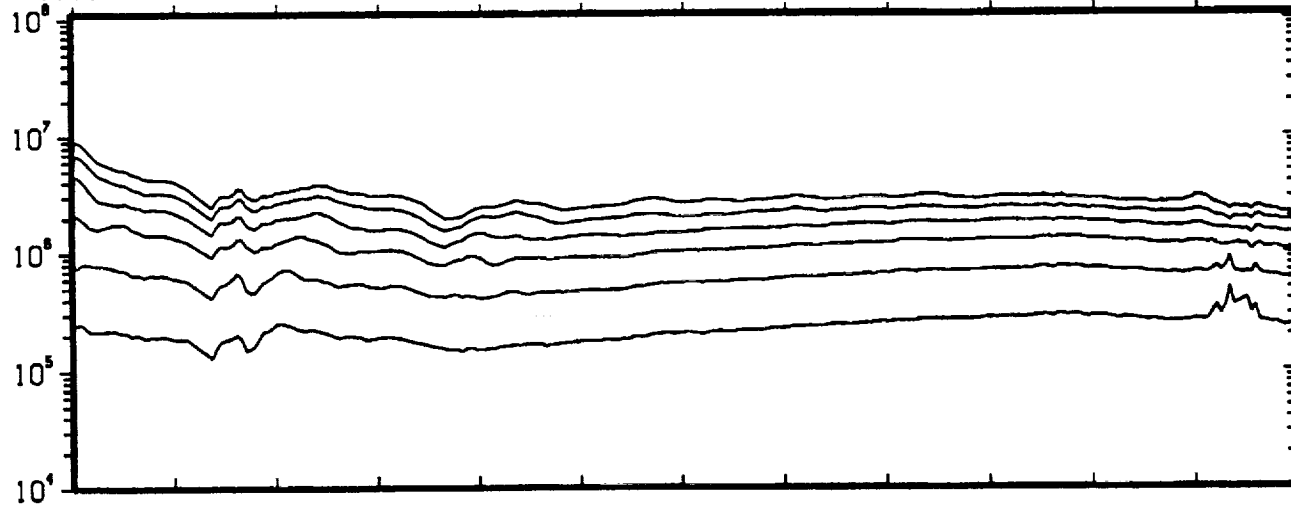
83/08/04

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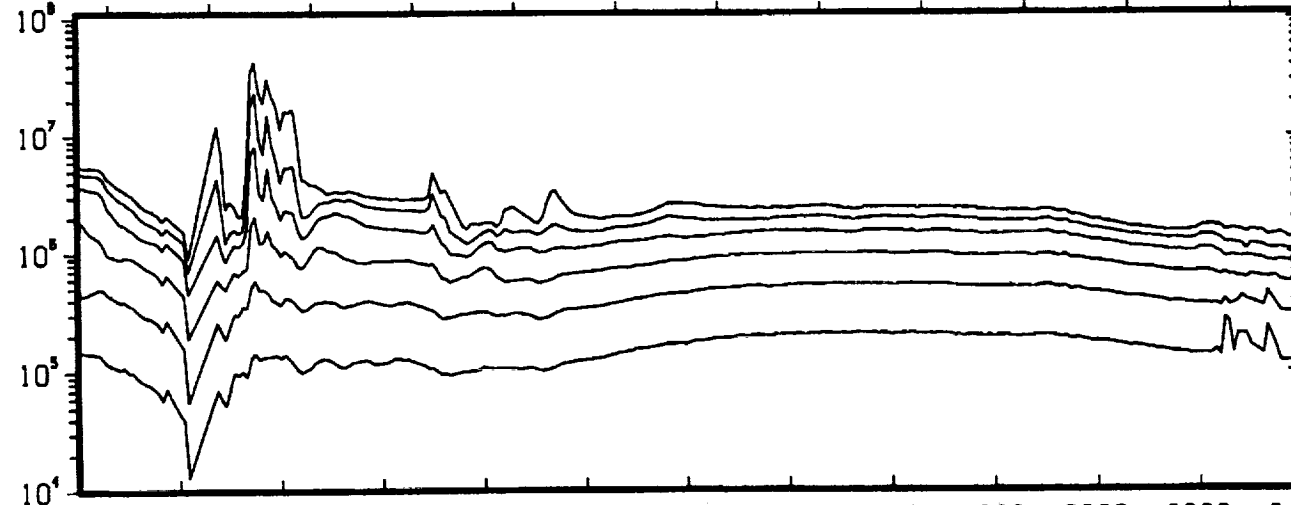
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

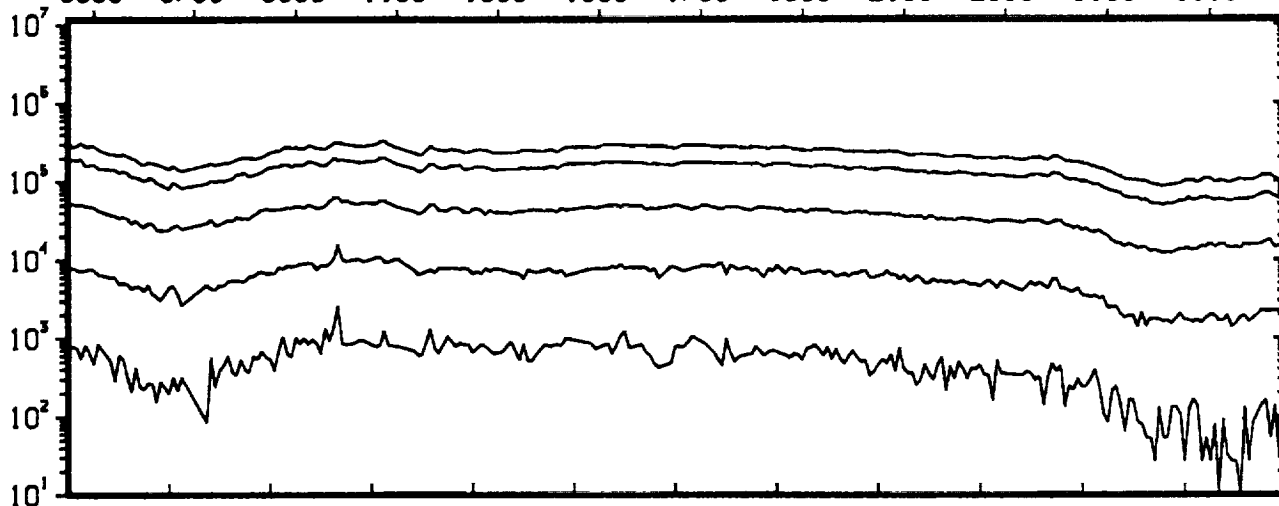


# LOW ENERGY IONS

1977-007

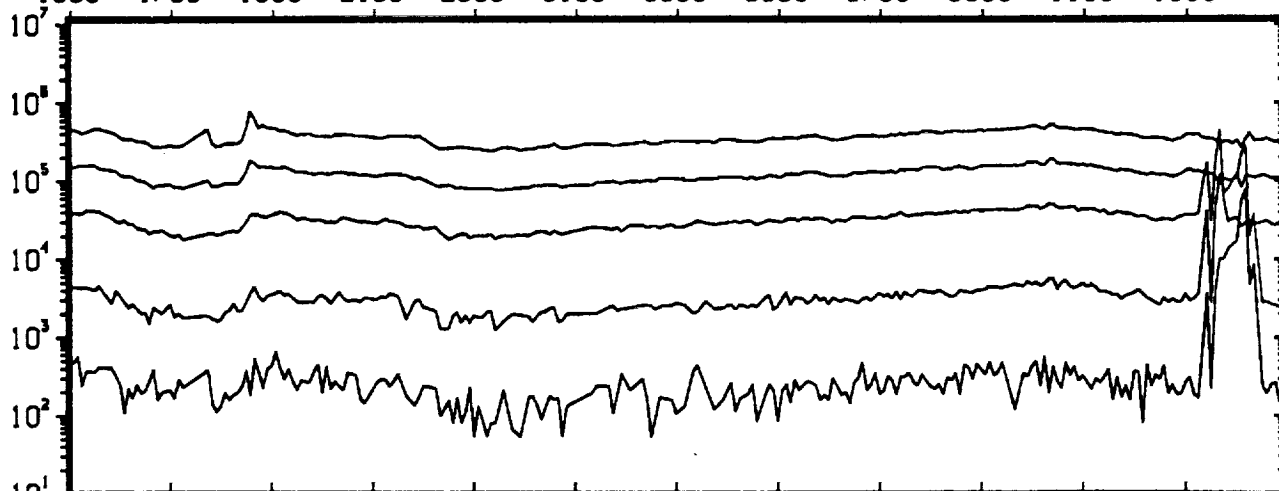
83/08/04

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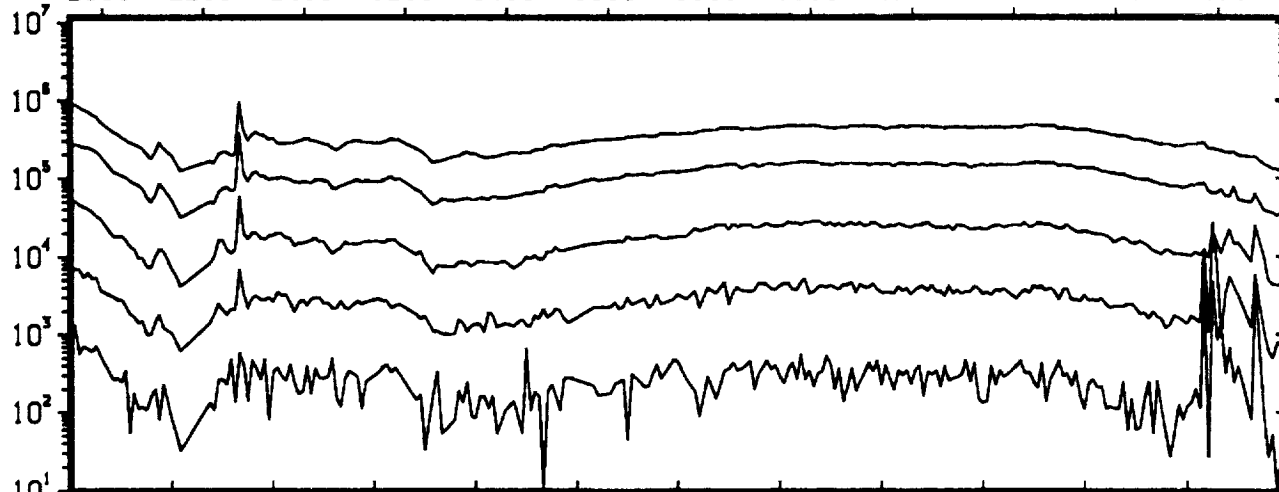
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



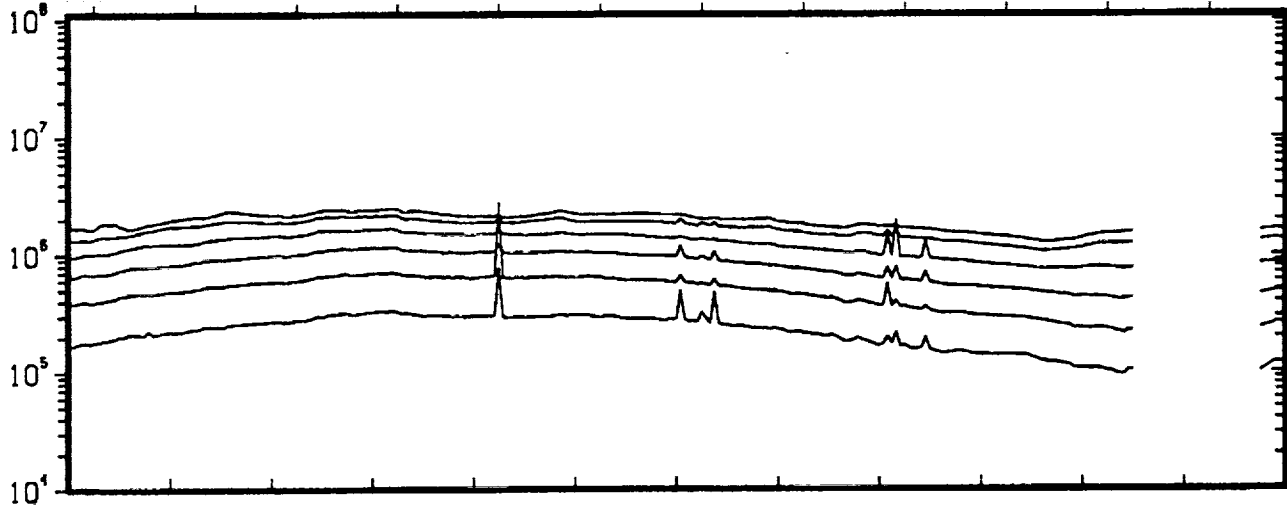
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

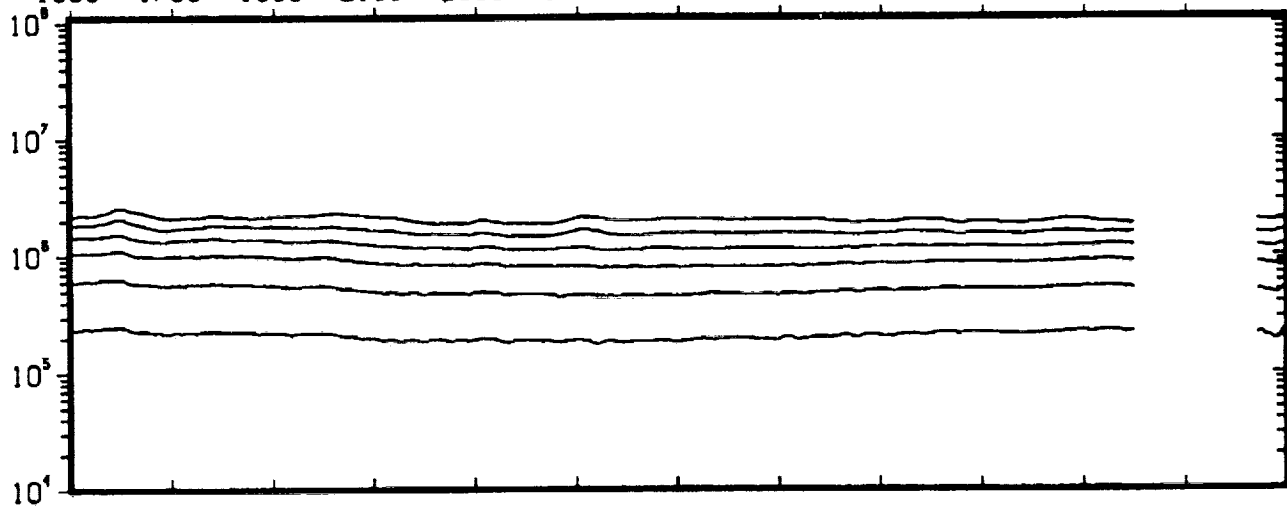
83/08/05

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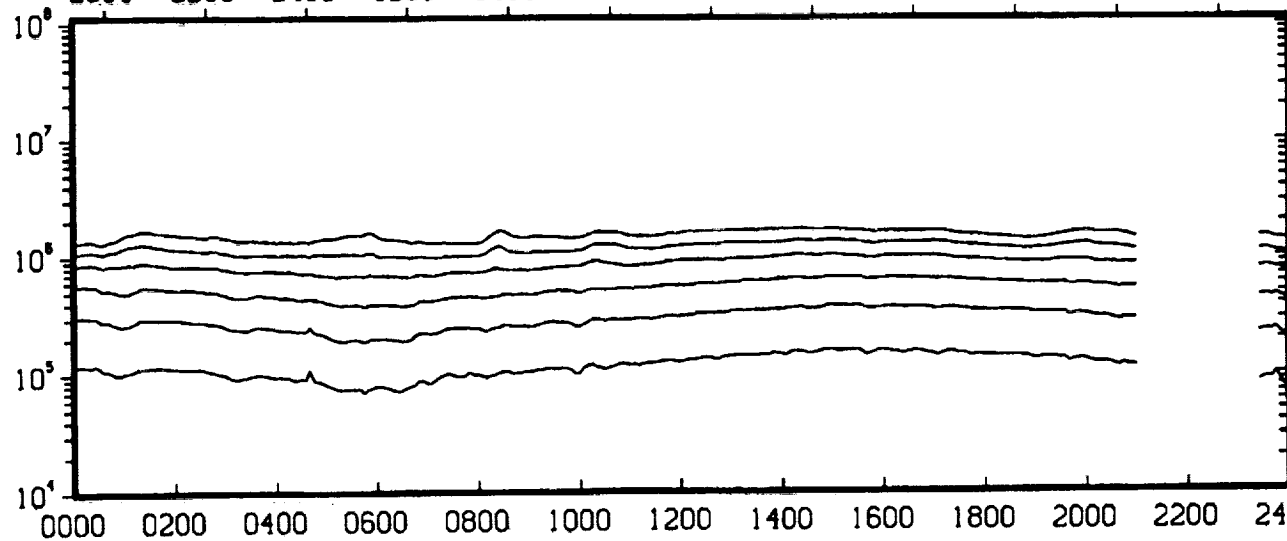
1981-025

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1982-019

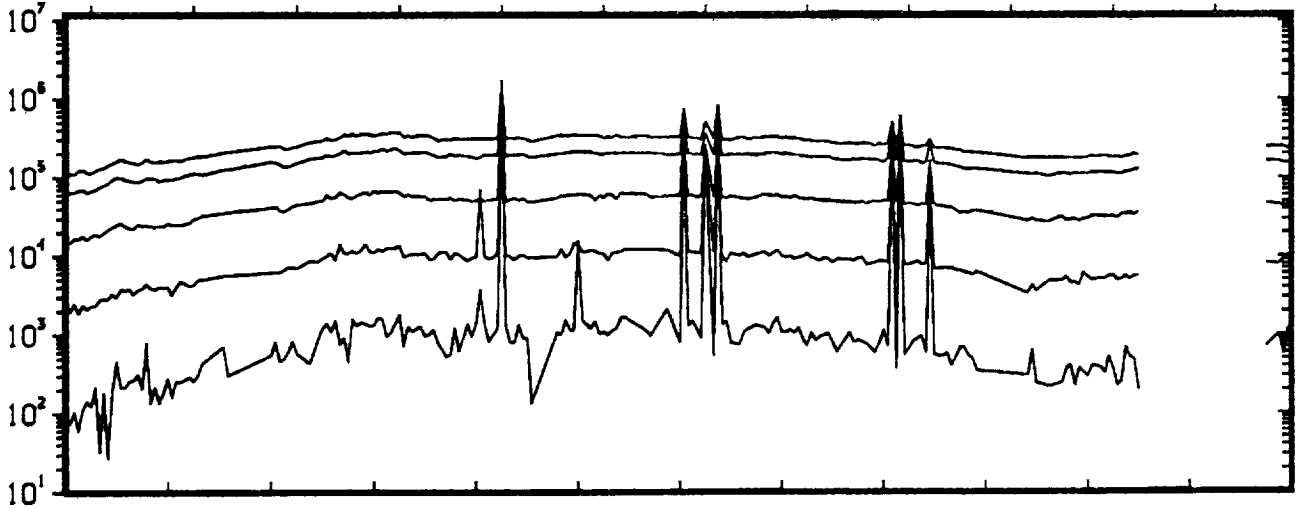
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

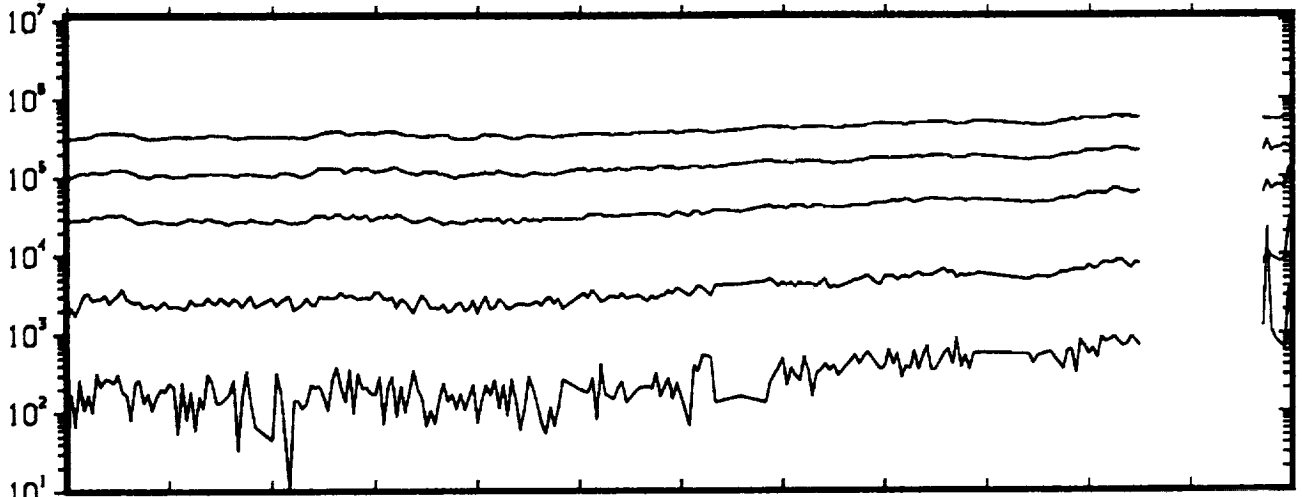
# LOW ENERGY IONS

1977-007 83/08/05  
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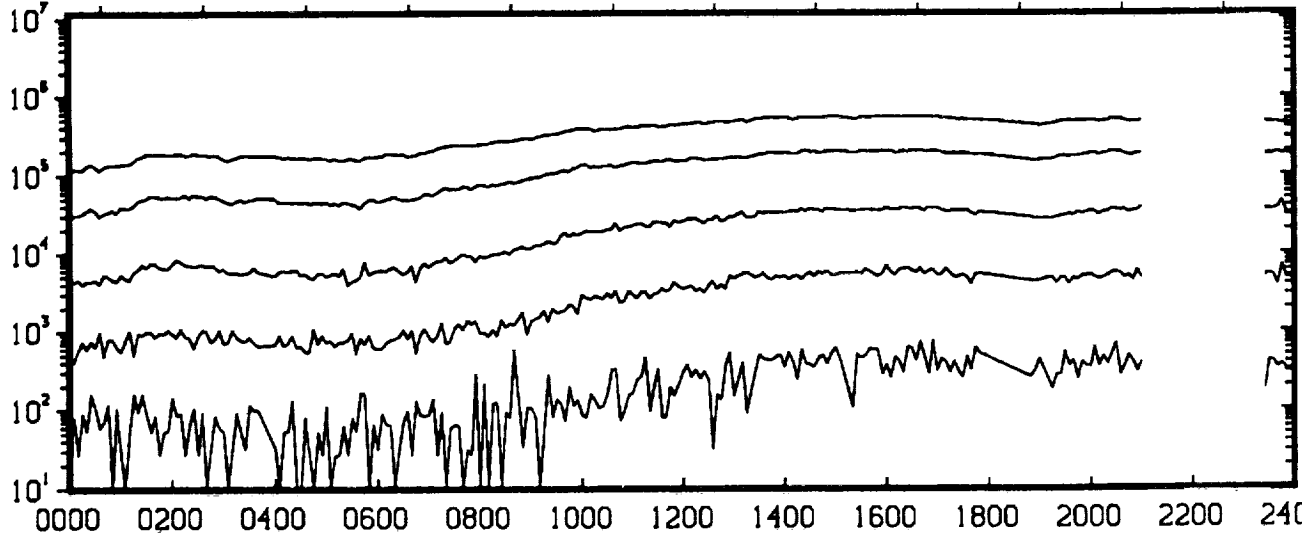


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
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1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

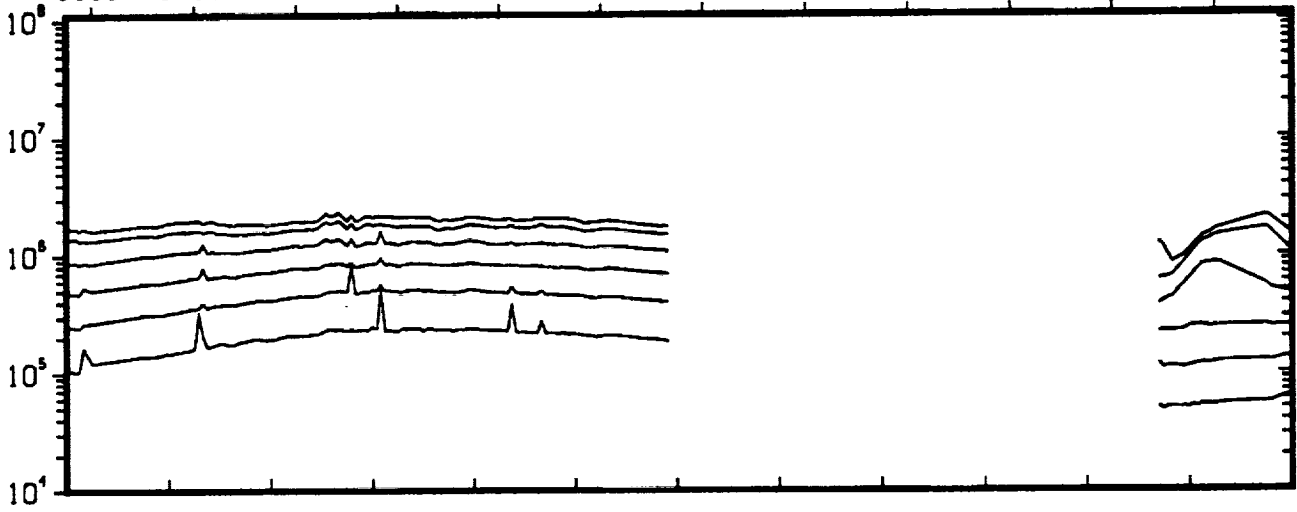


# LOW ENERGY ELECTRONS

1977-007

83/08/06

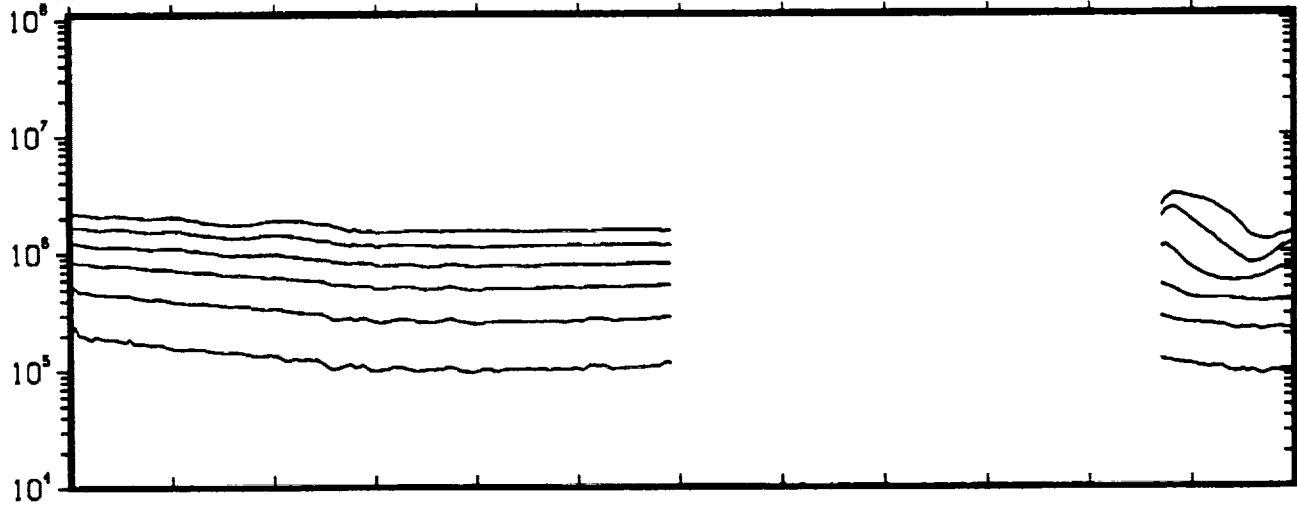
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

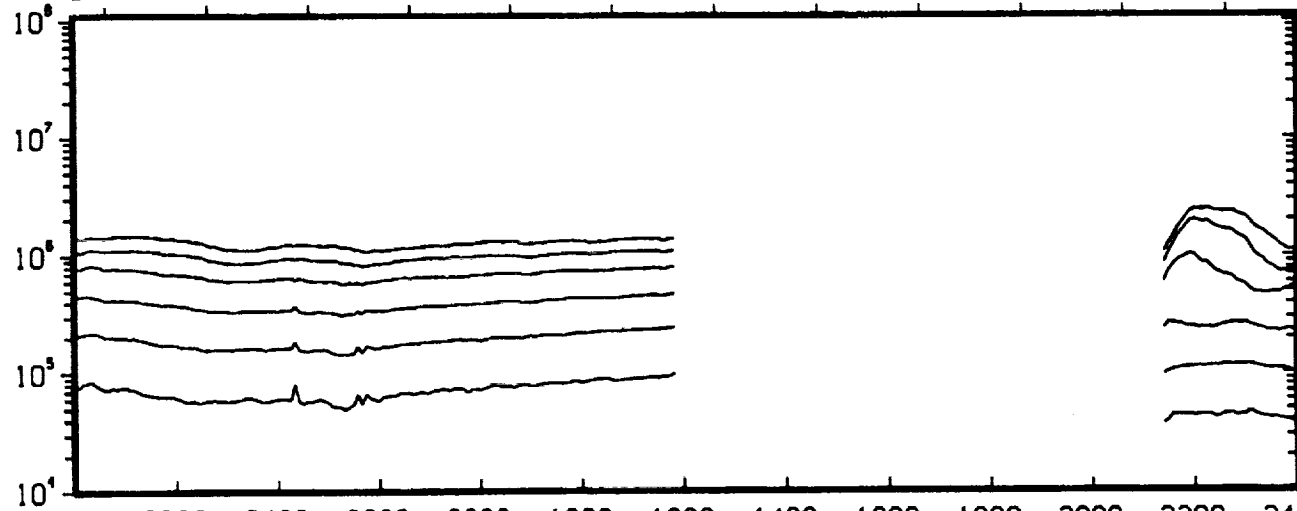
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



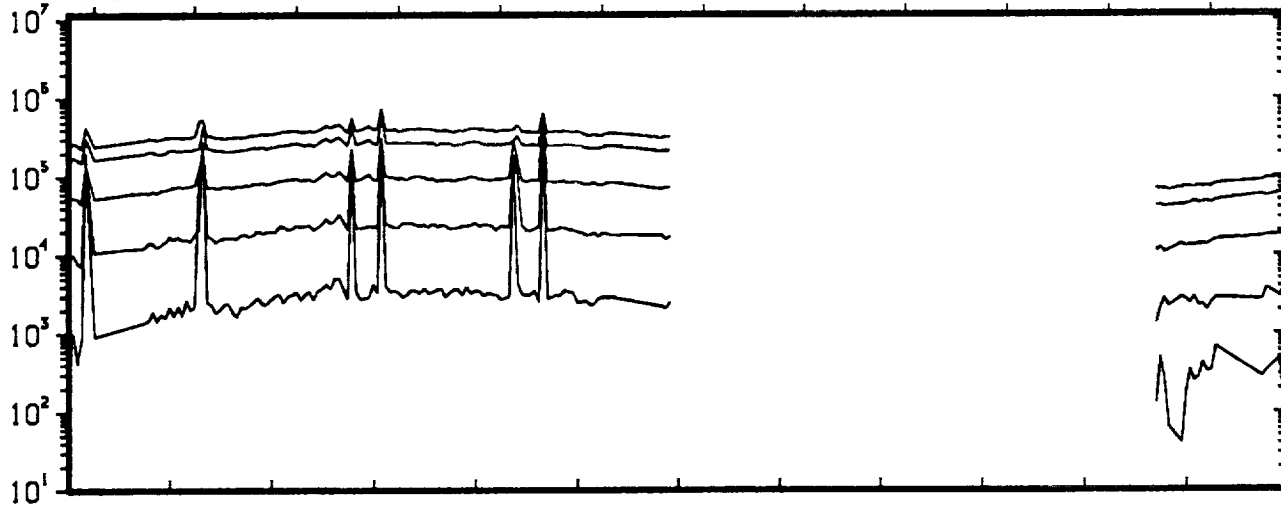
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# LOW ENERGY IONS

1977-007

83/08/06

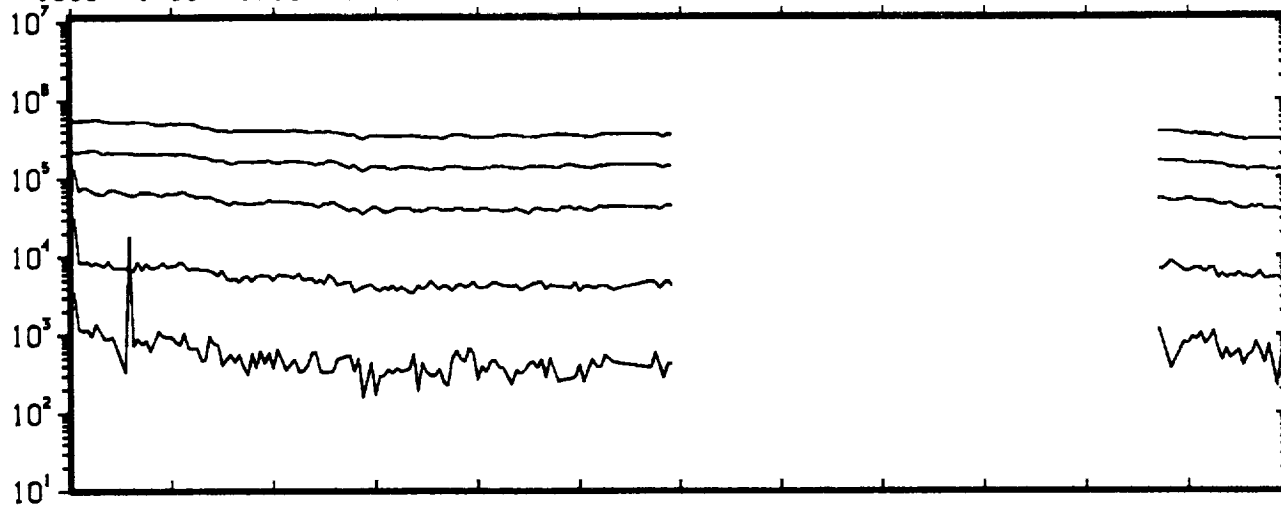
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

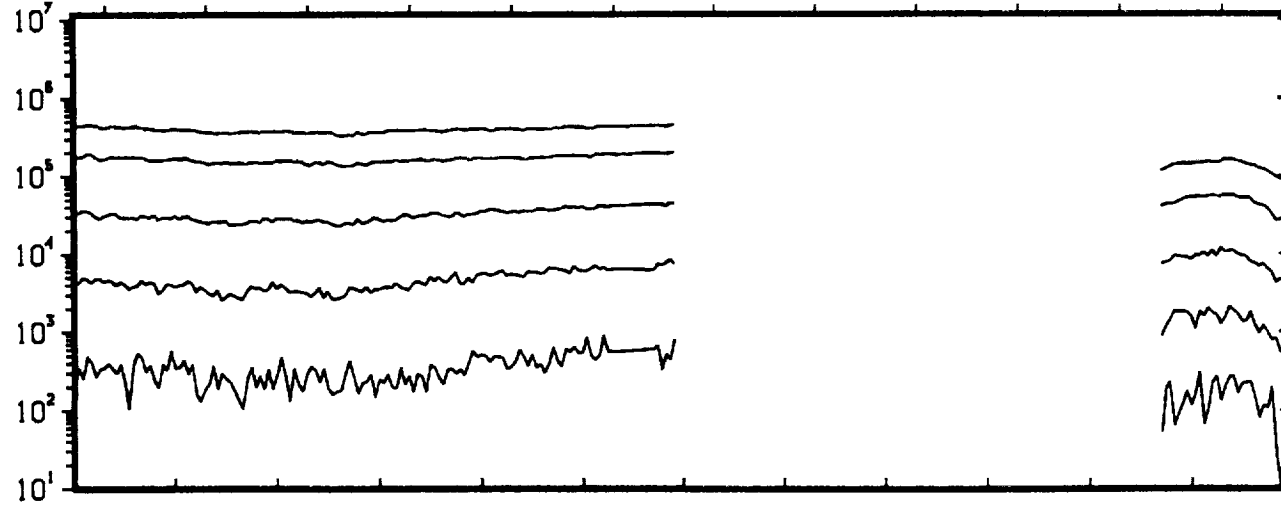
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



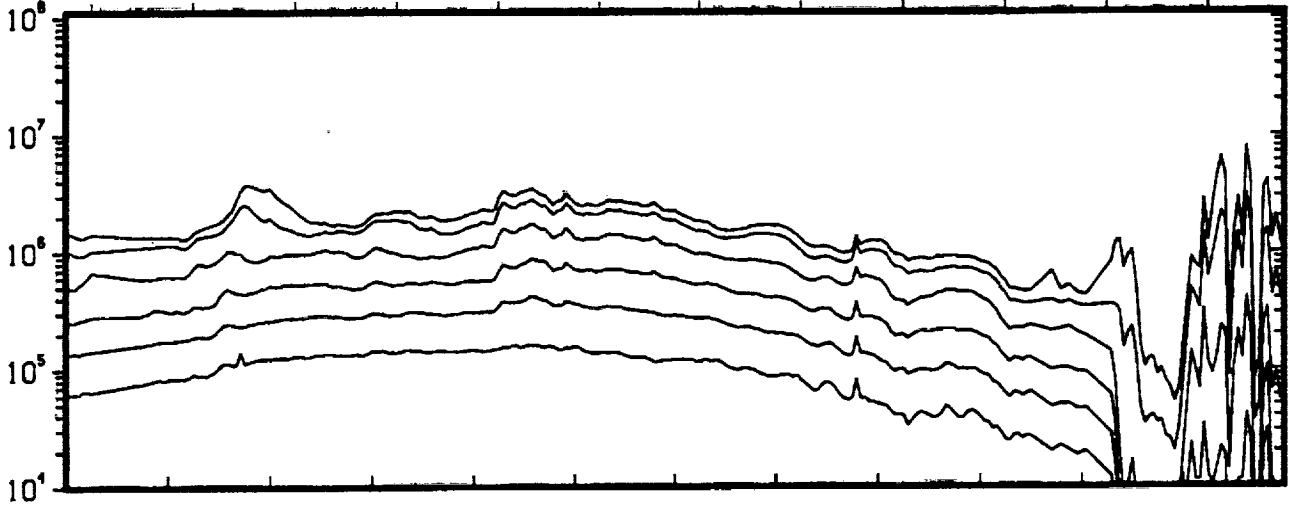
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

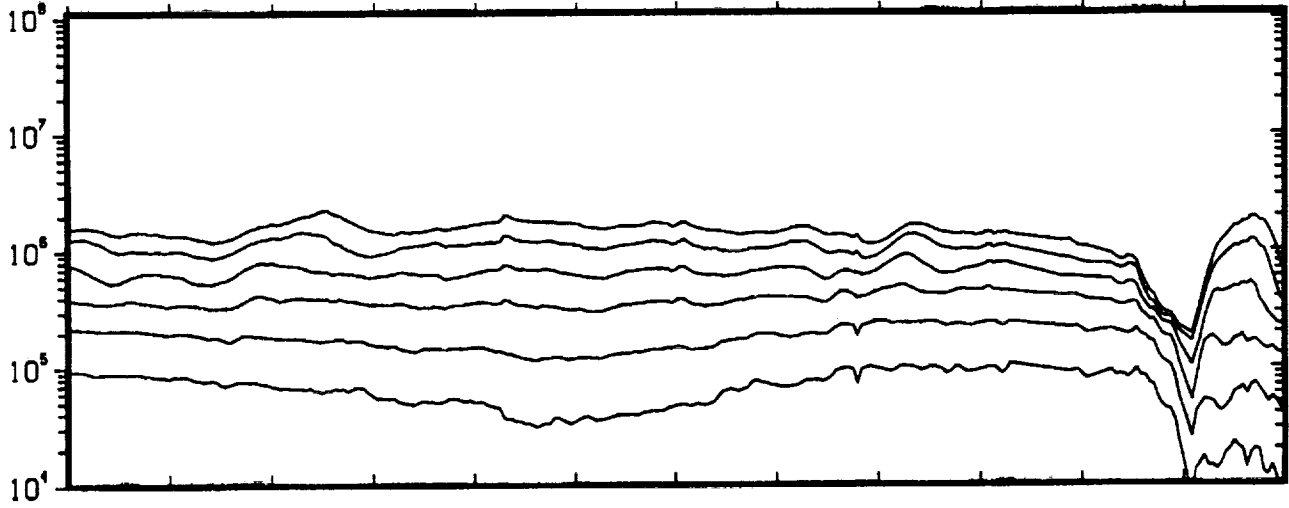
83/08/07

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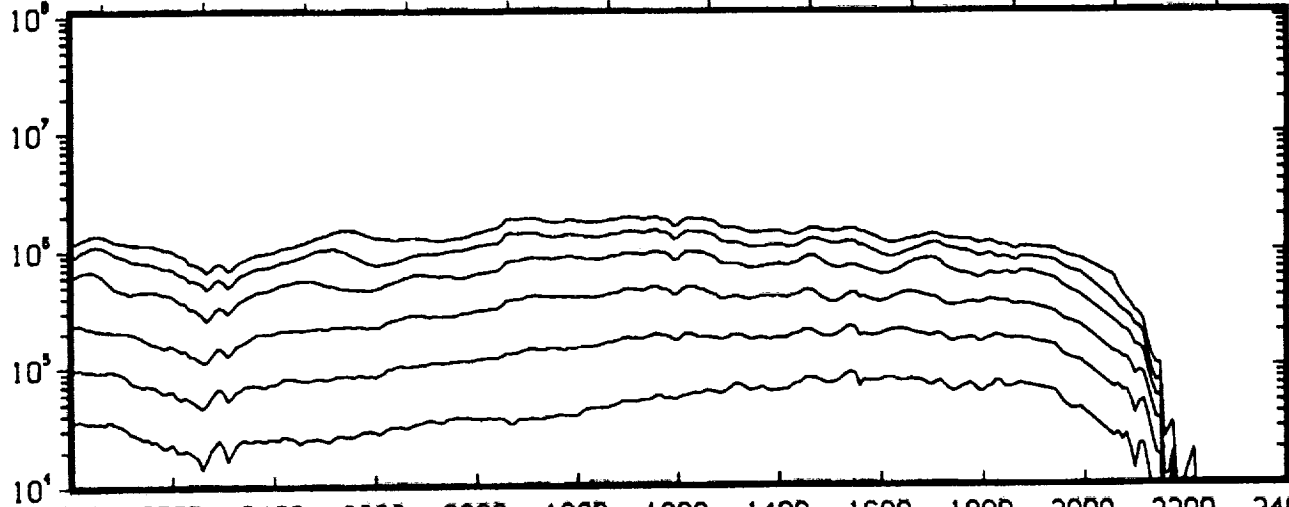
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



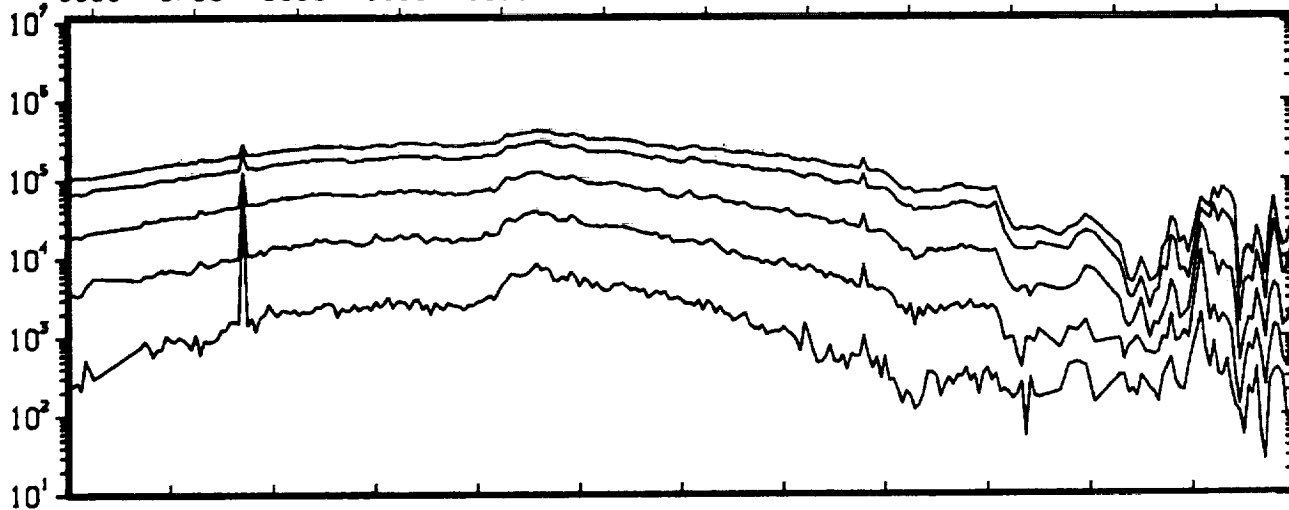
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/08/07

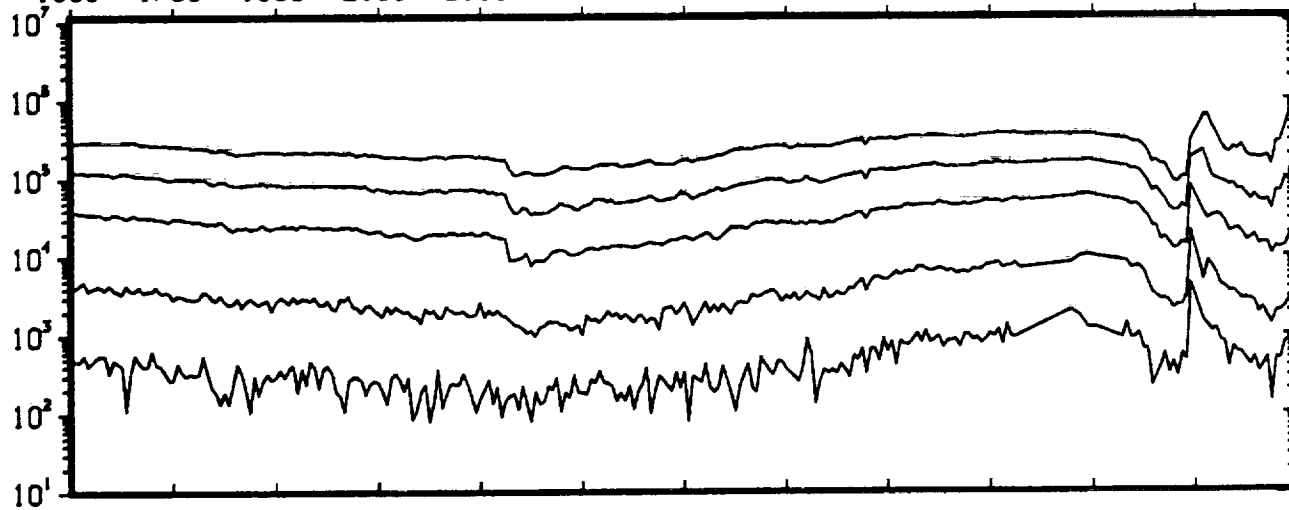
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1981-025

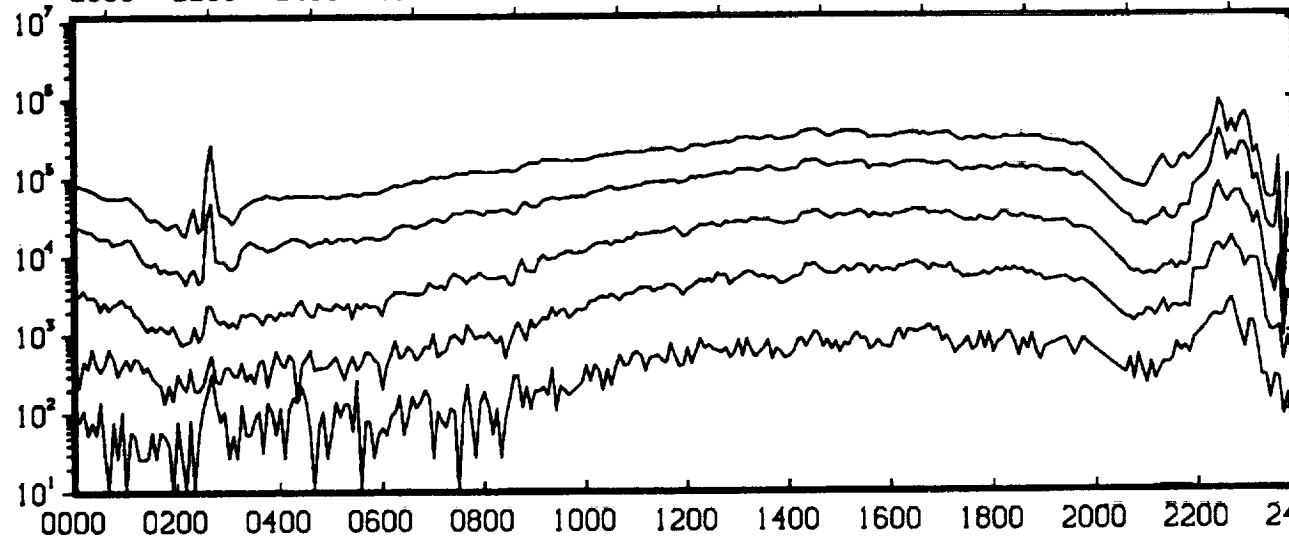
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

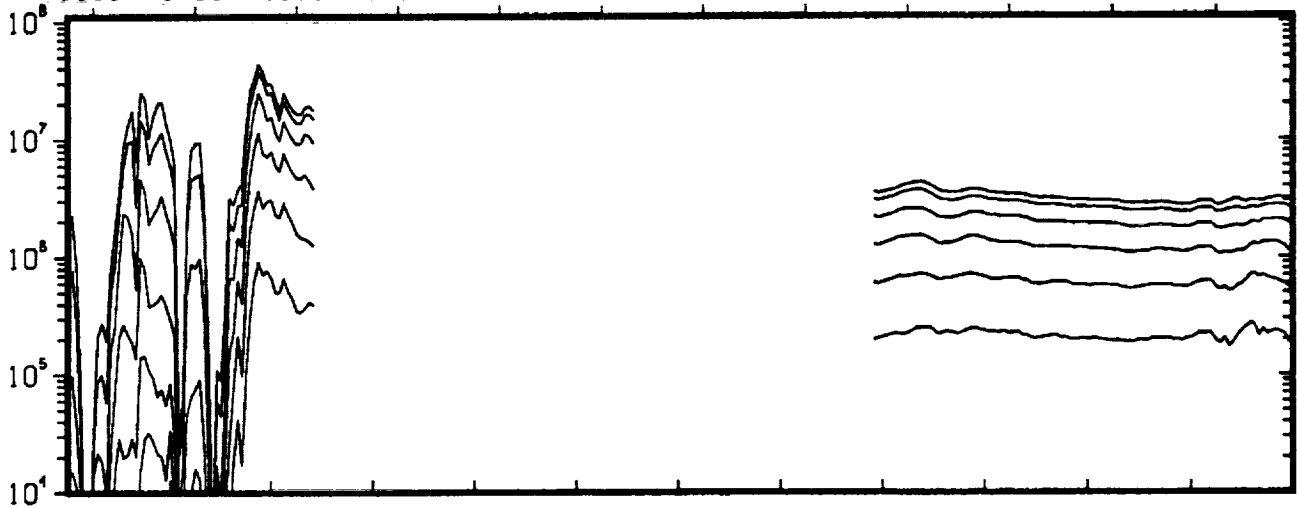


# LOW ENERGY ELECTRONS

1977-007

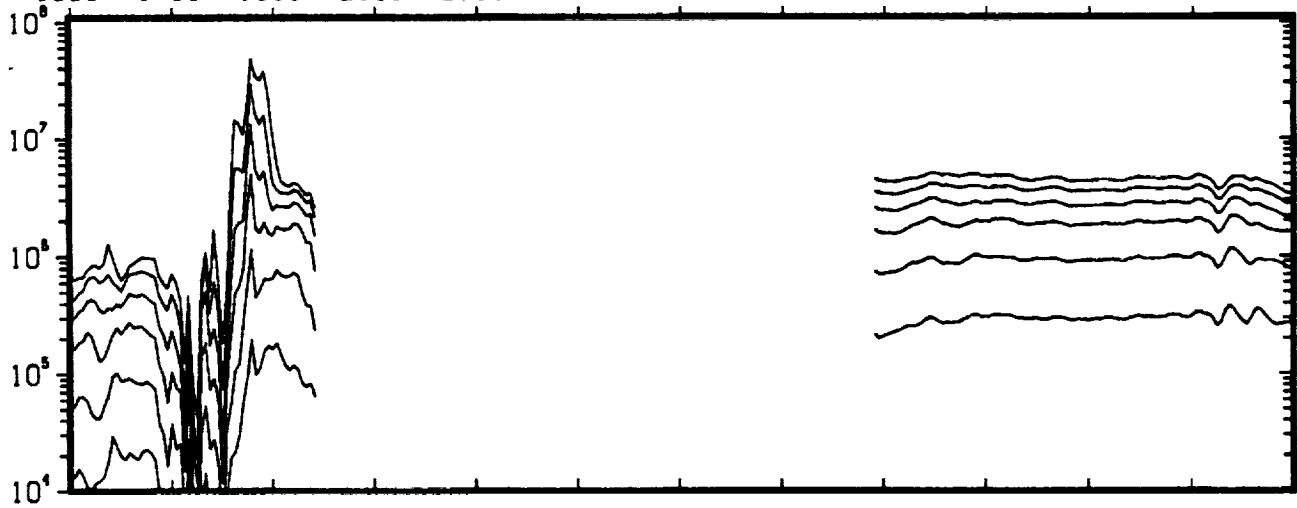
83/08/08

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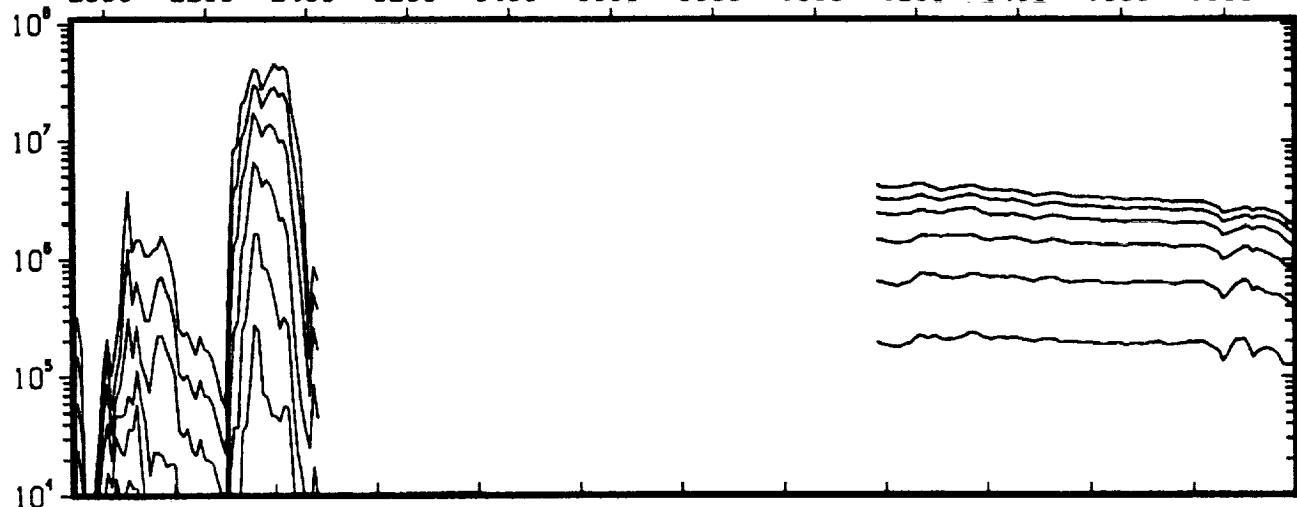
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

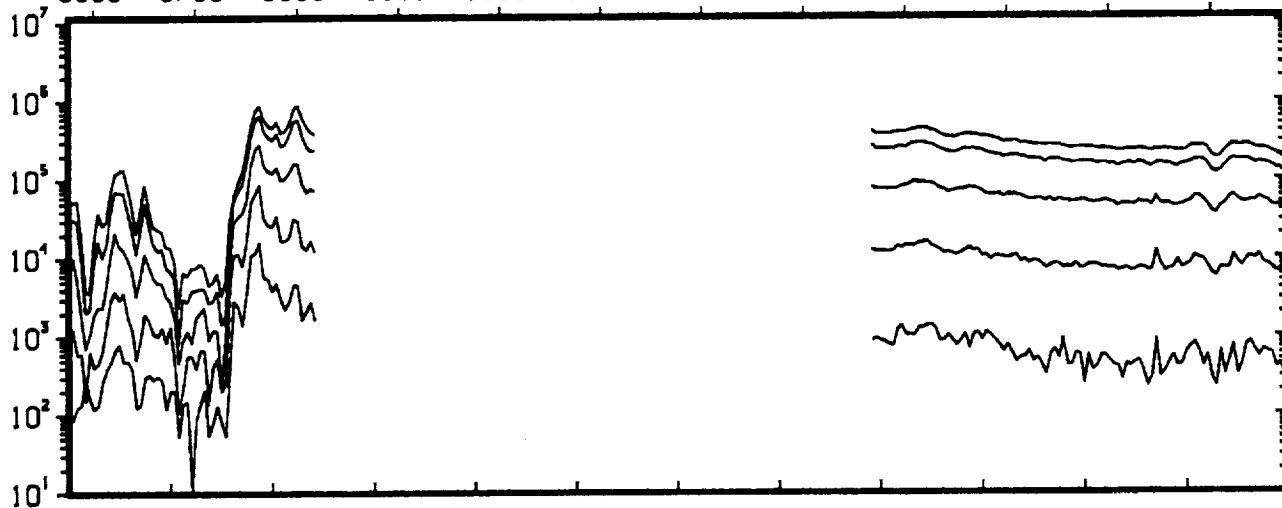


# LOW ENERGY IONS

1977-007

83/08/08

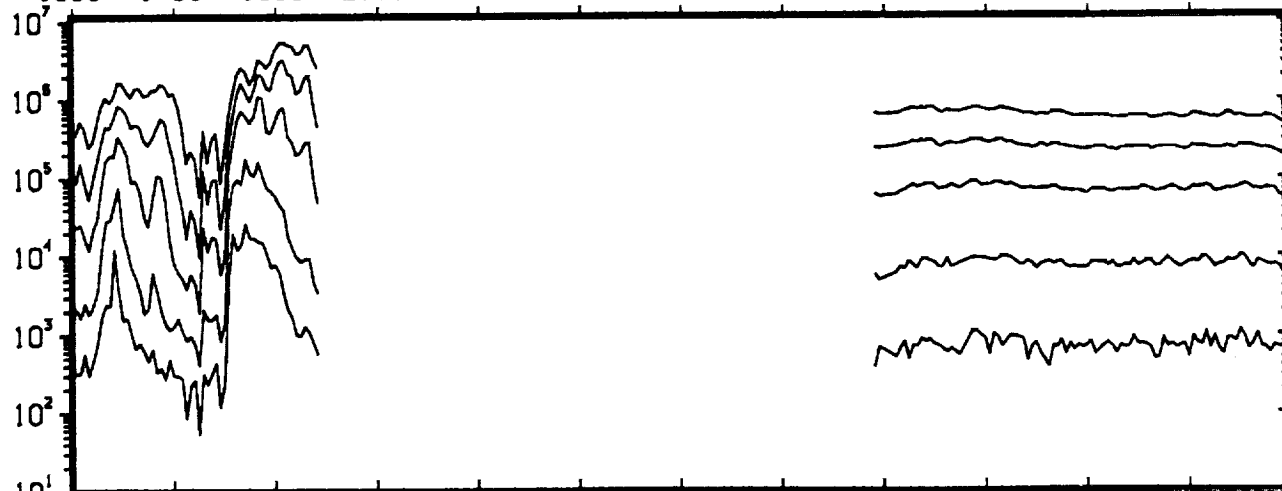
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025

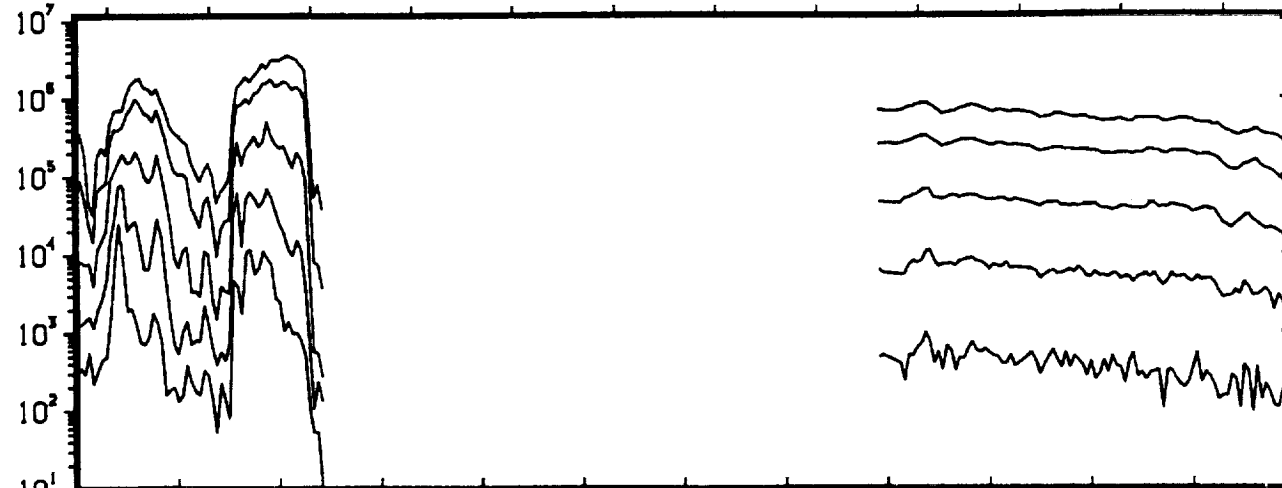
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



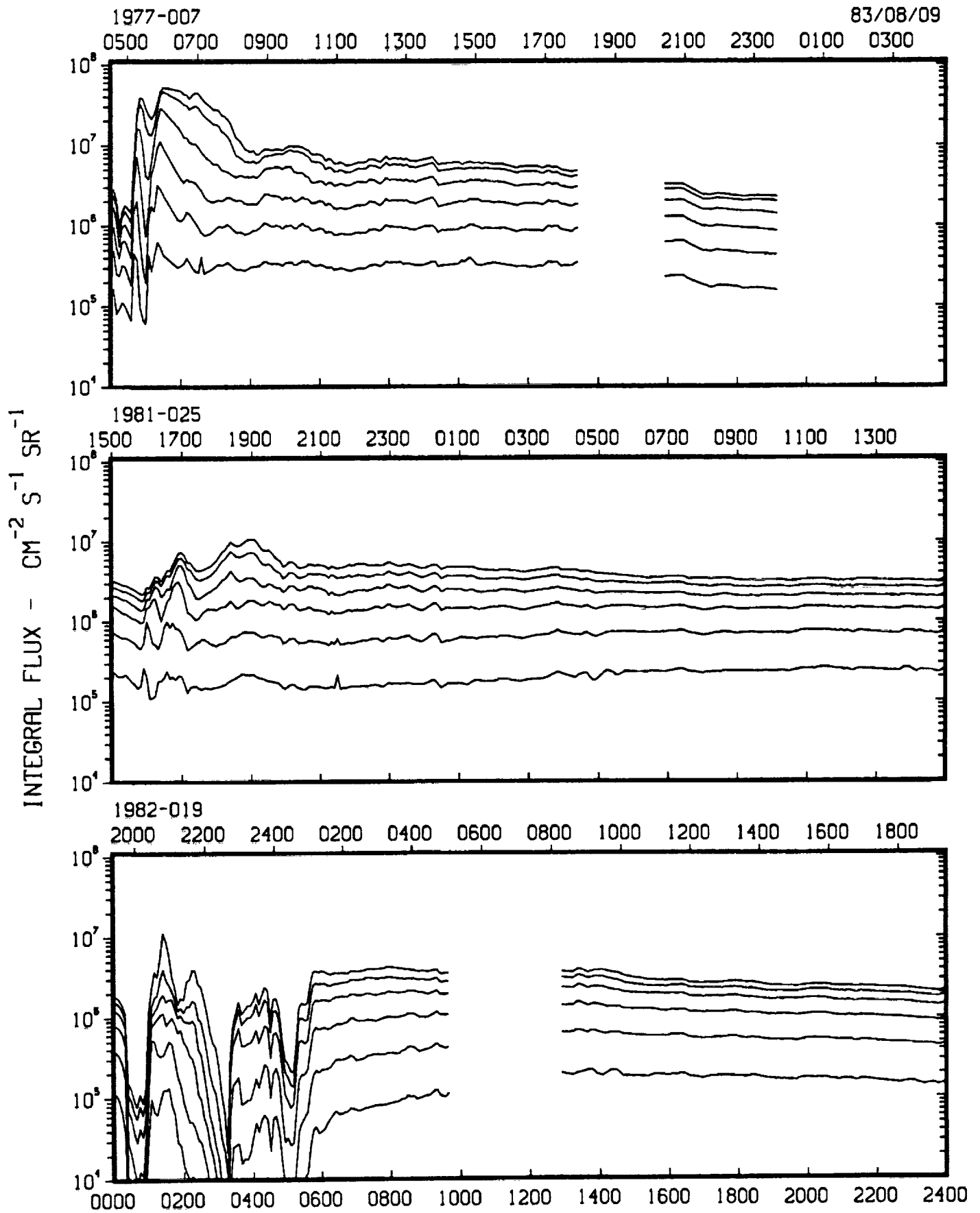
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

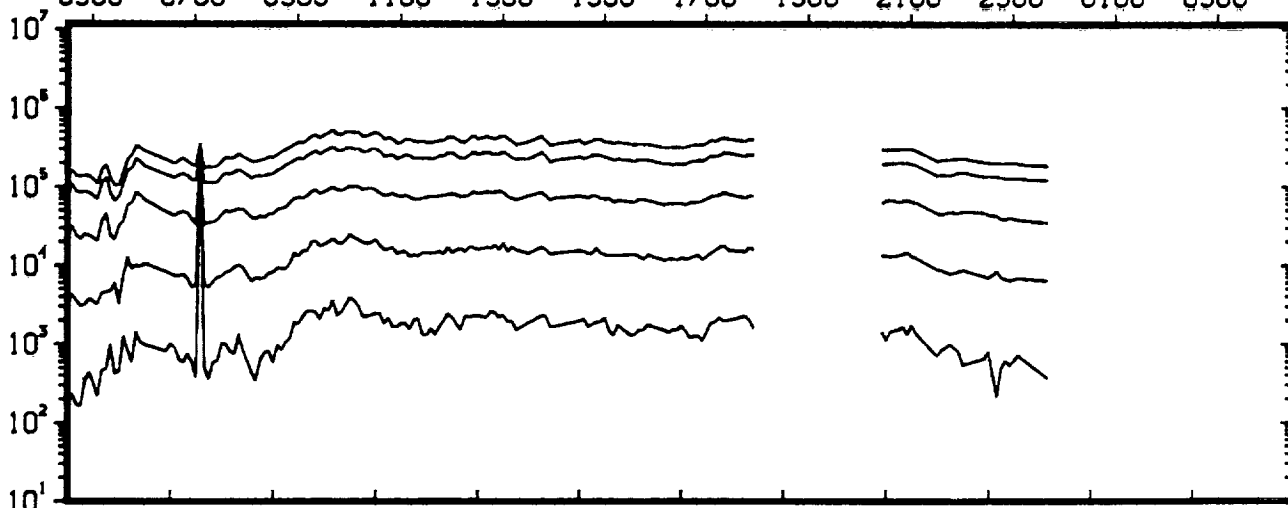


# LOW ENERGY IONS

1977-007

83/08/09

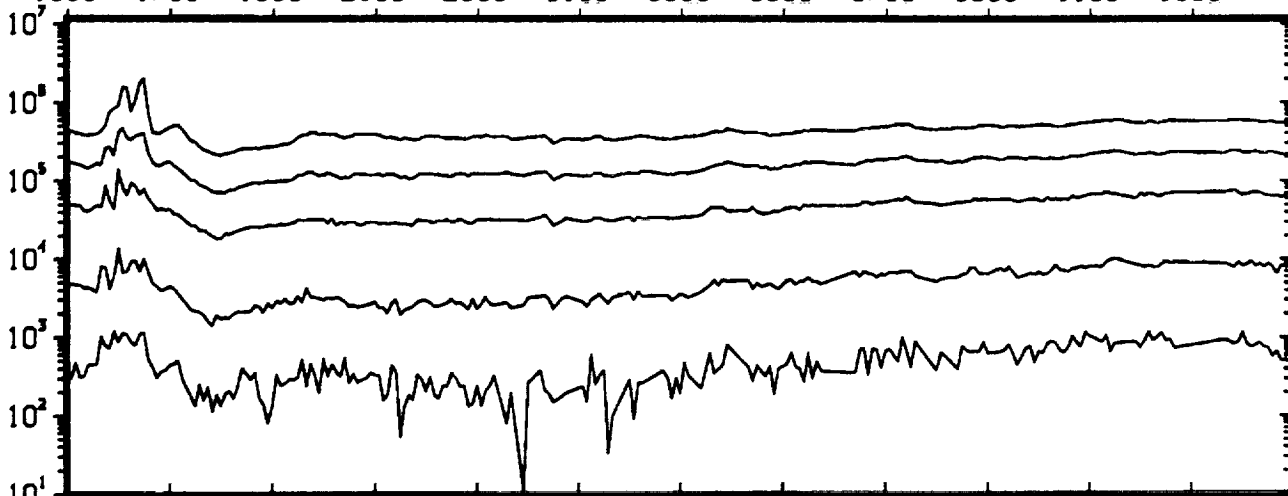
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

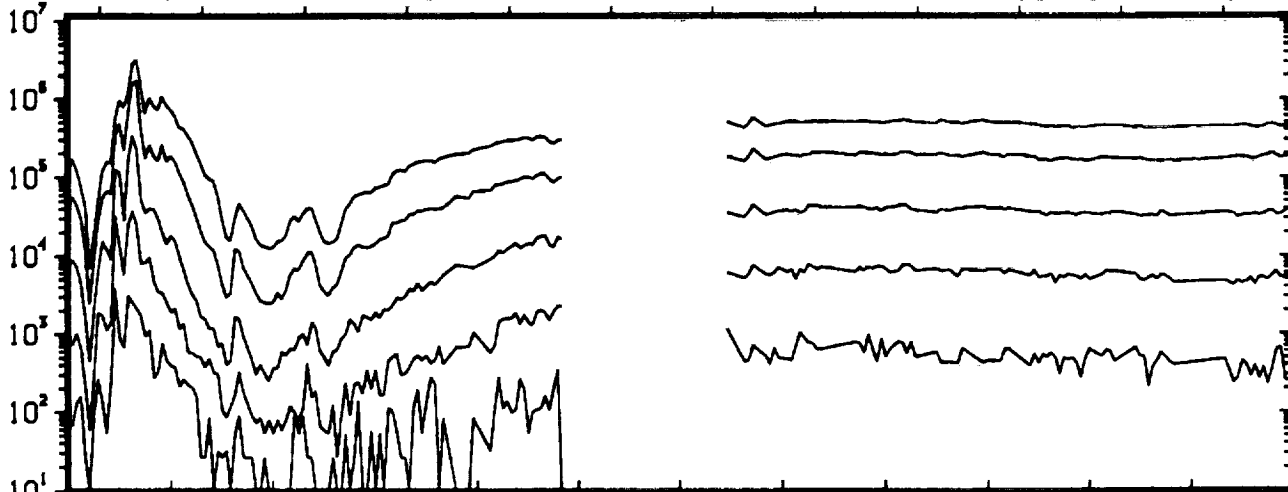
1981-025

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1982-019

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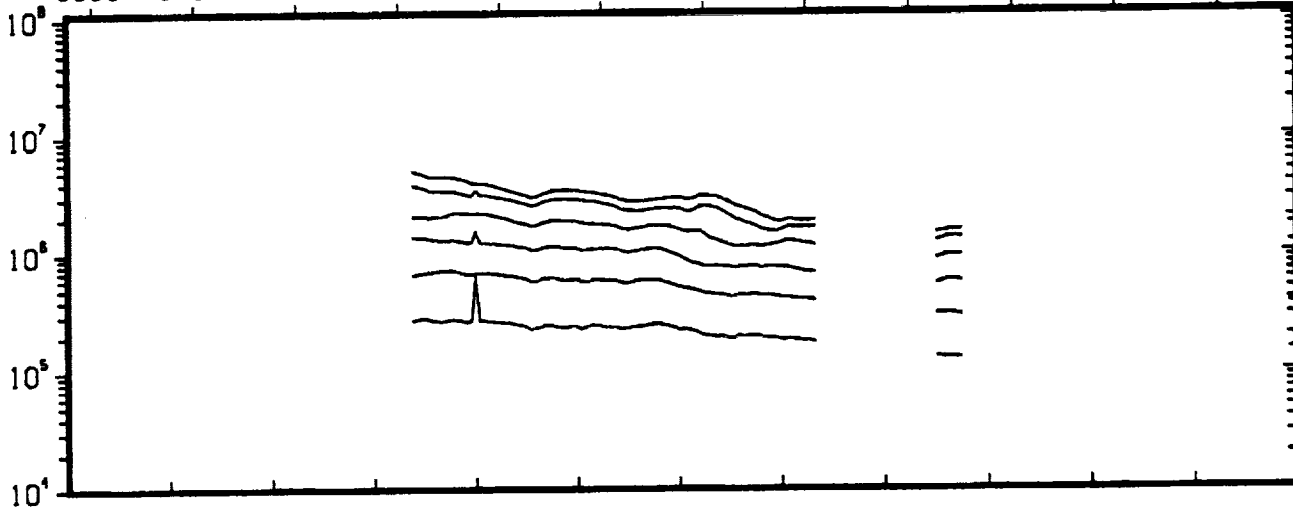
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# LOW ENERGY ELECTRONS

1977-007

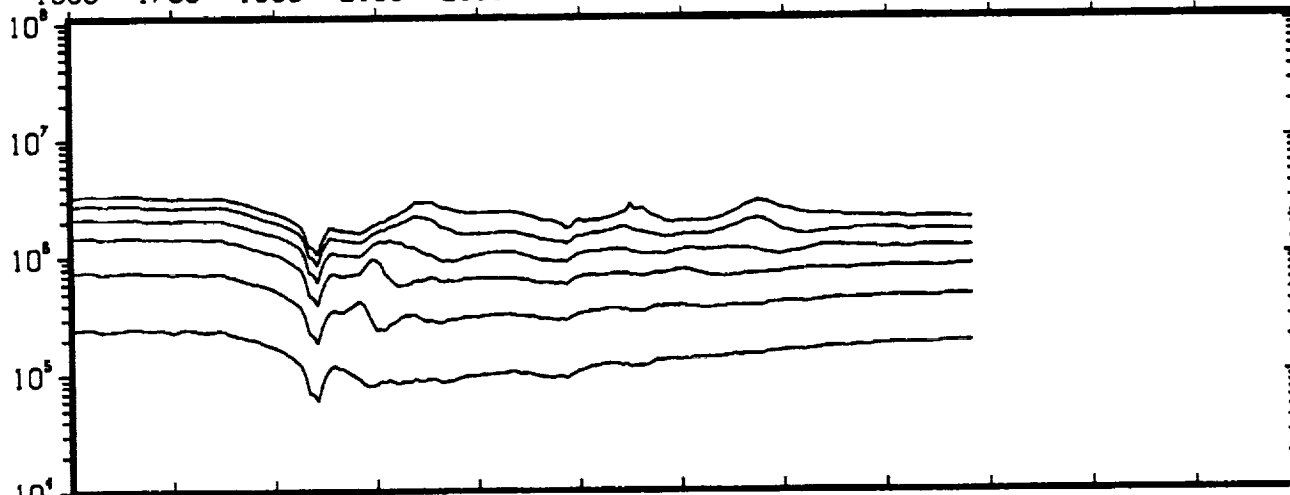
83/08/10

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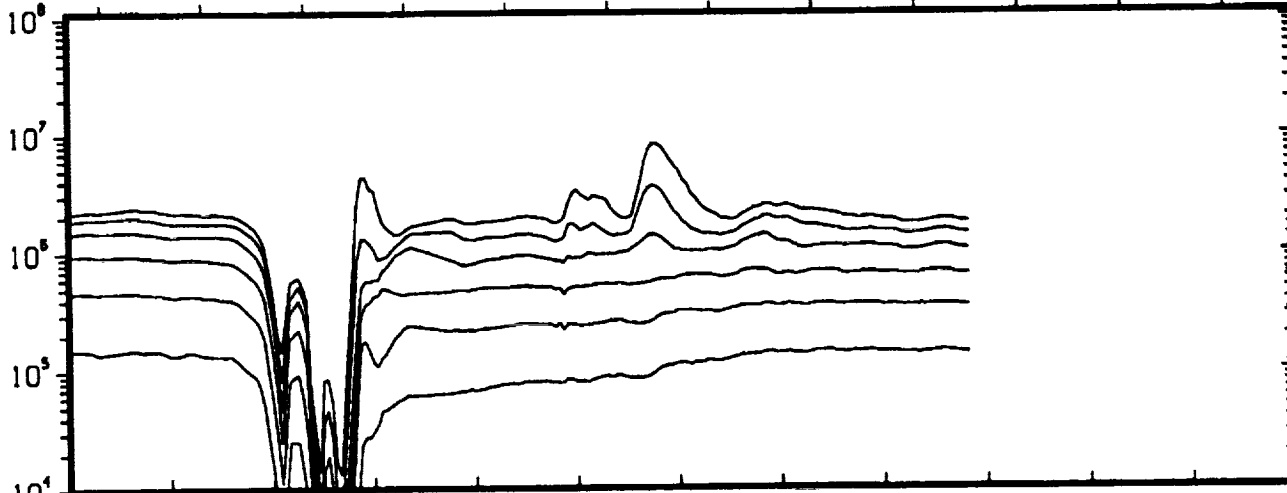
1981-025

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1982-019

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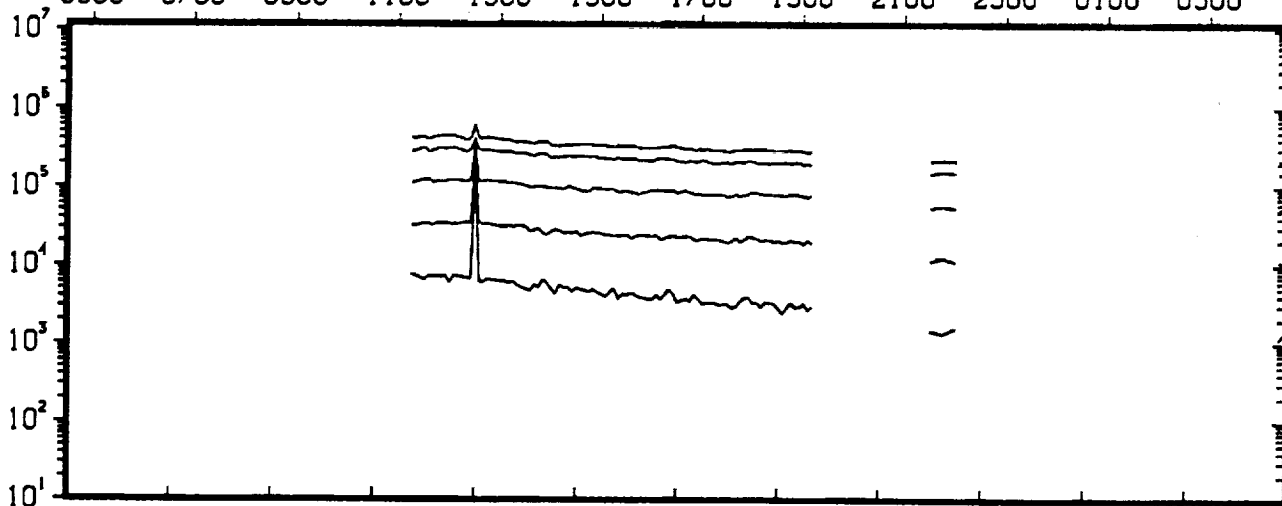
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/08/10

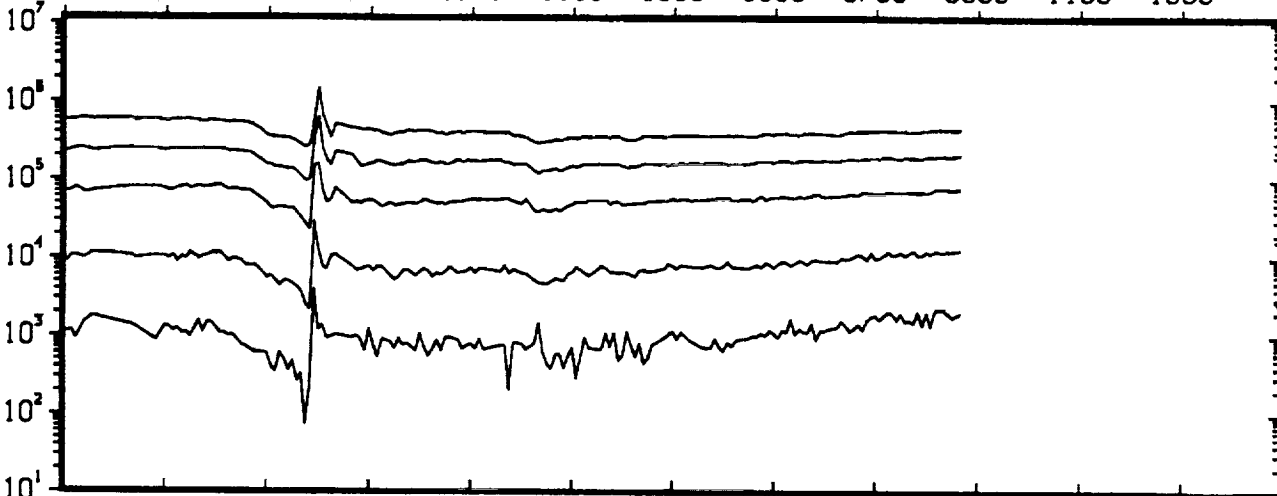
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

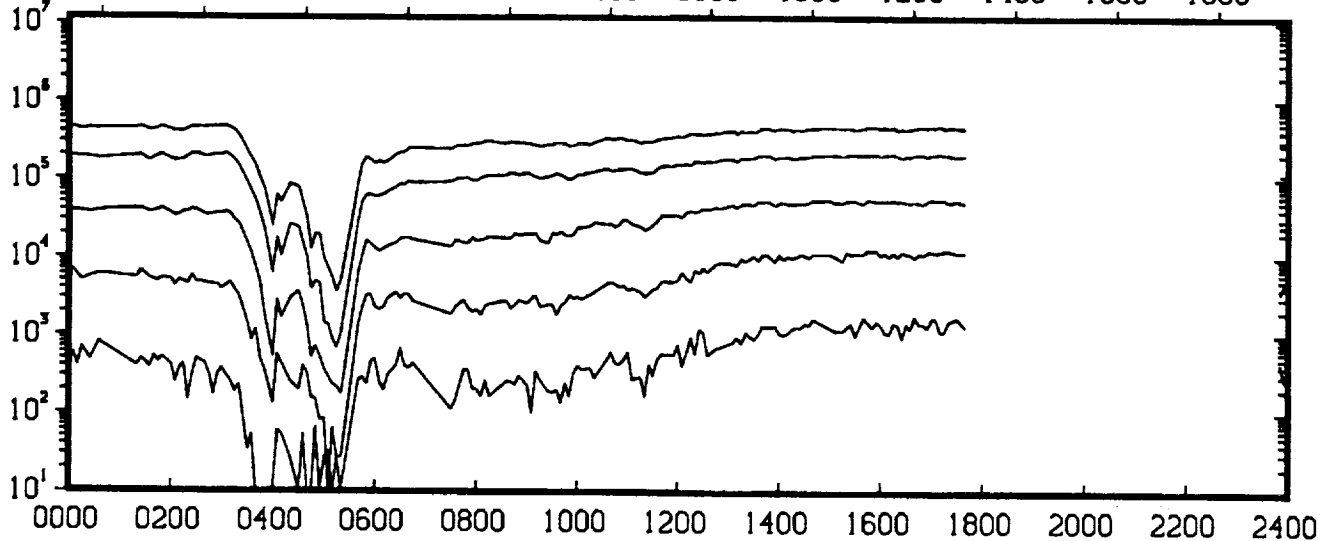
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

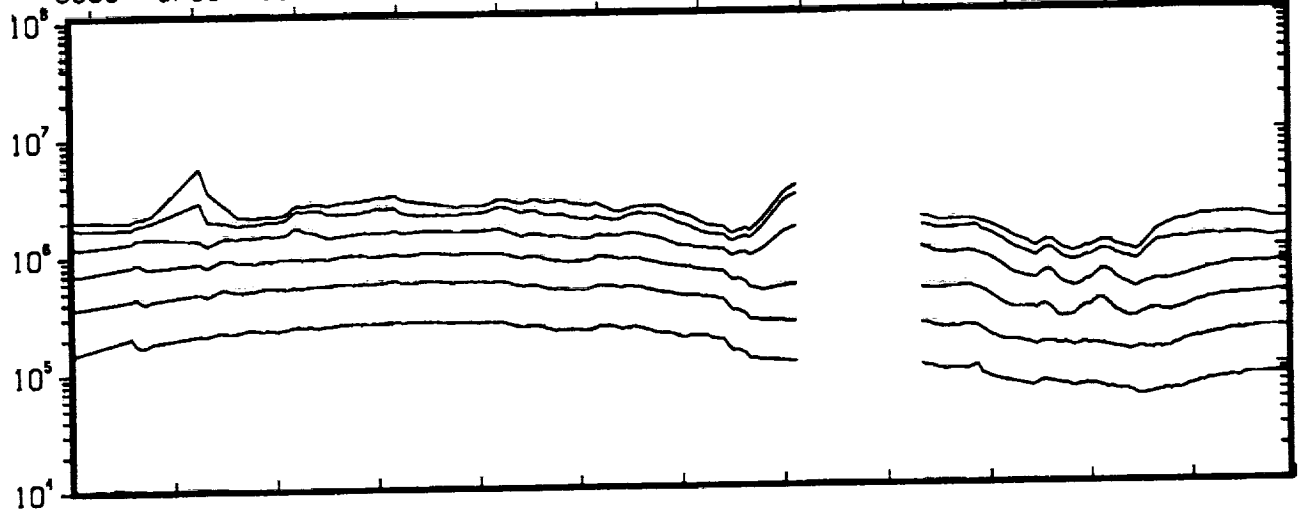


# LOW ENERGY ELECTRONS

1977-007

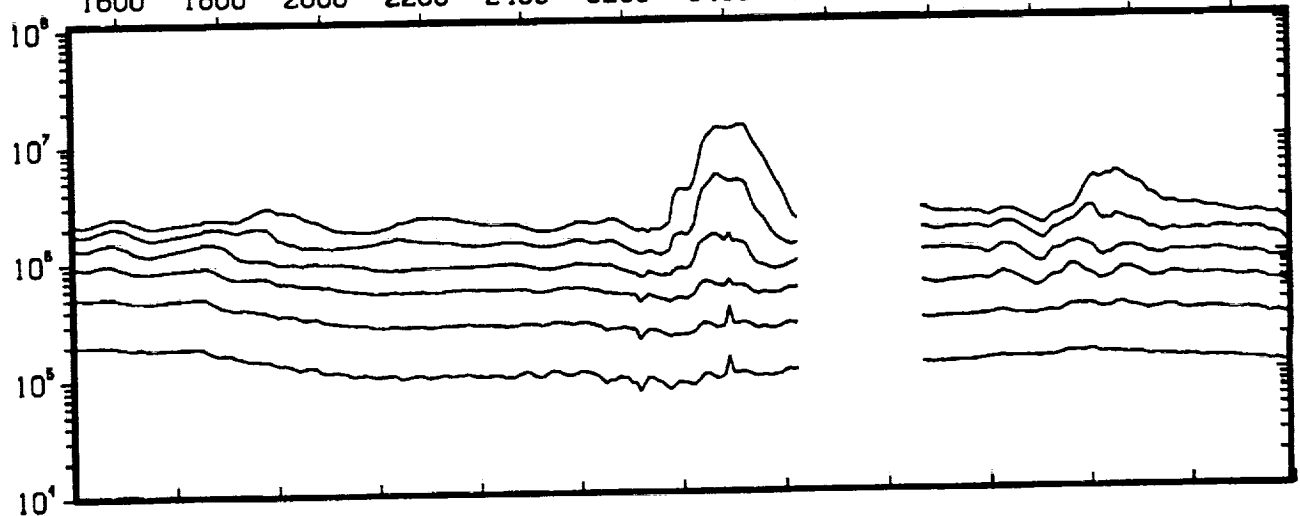
83/08/11

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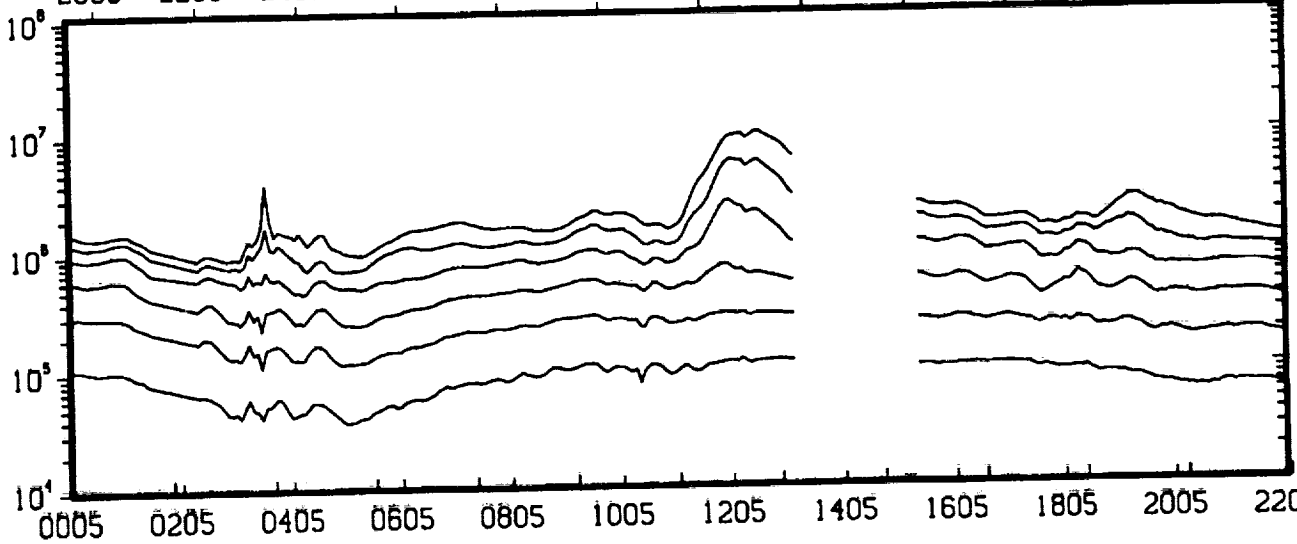
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

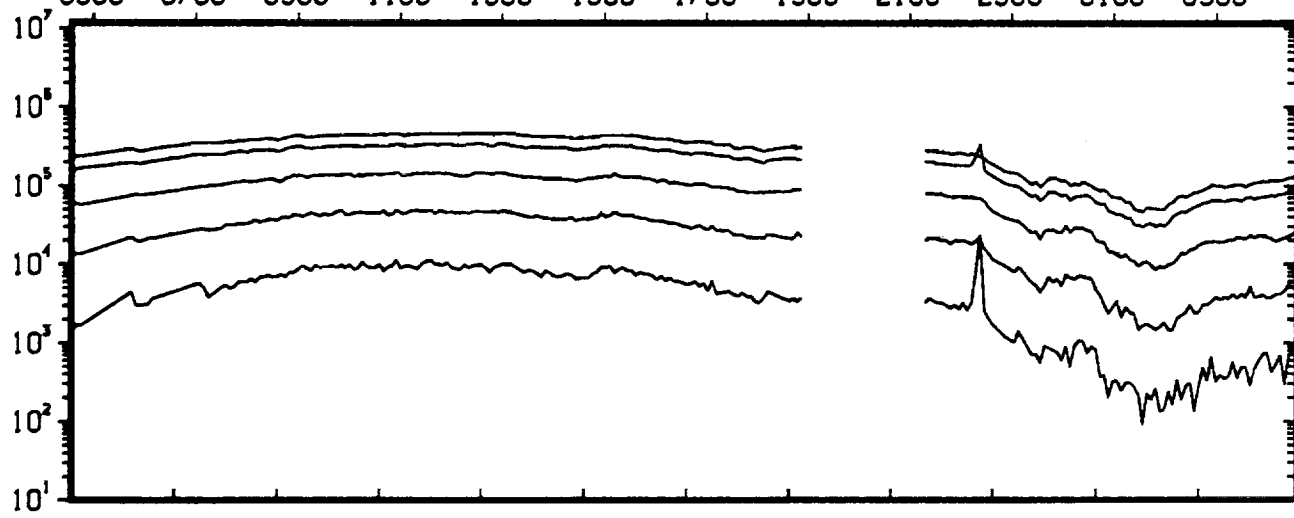
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

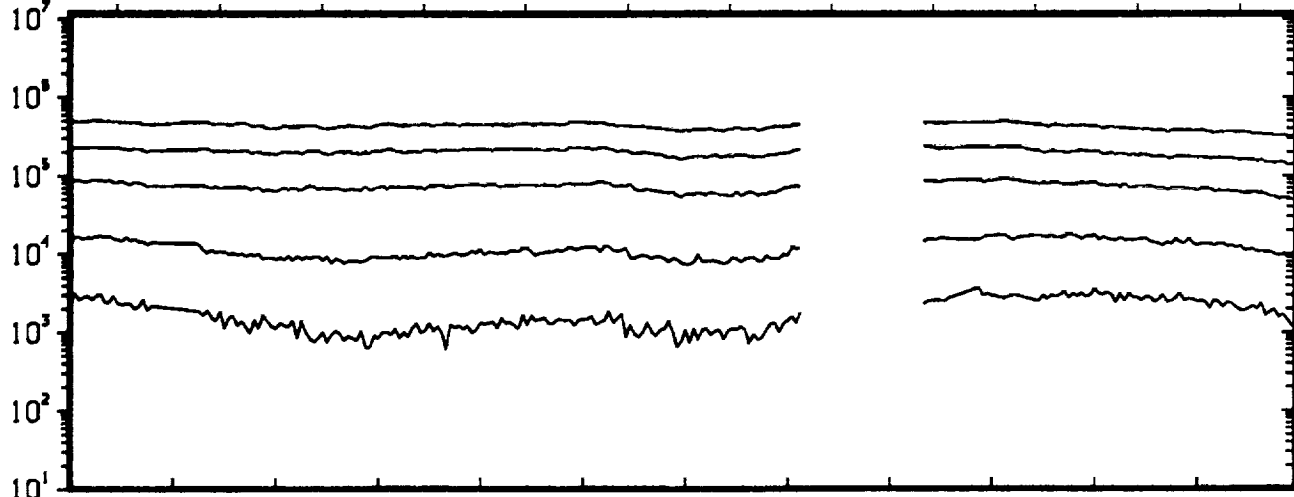
# LOW ENERGY IONS

1977-007 83/08/11  
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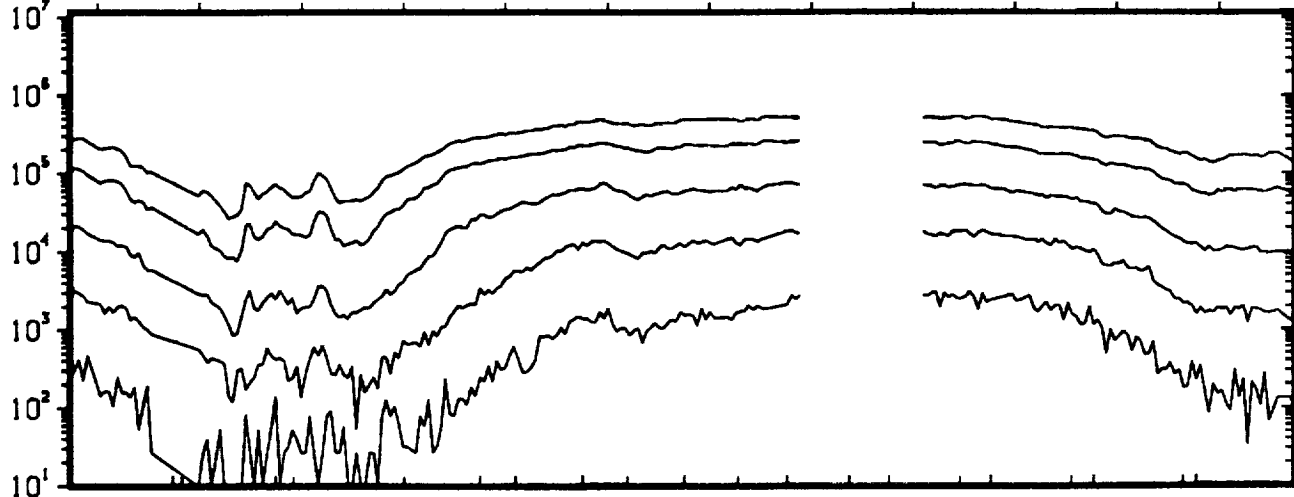


1981-025  
1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019  
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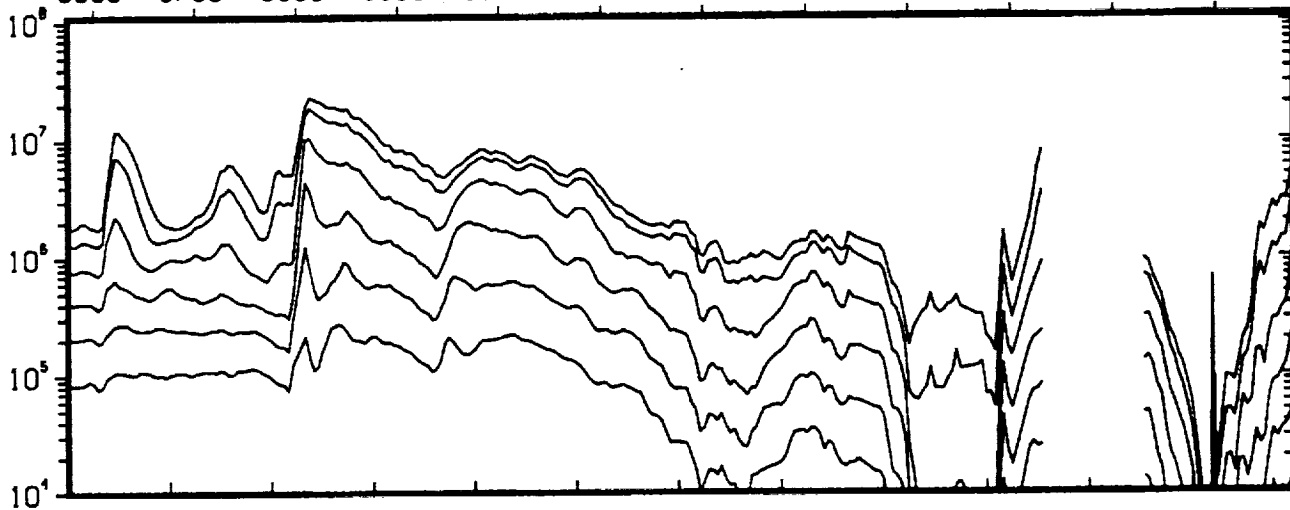
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# LOW ENERGY ELECTRONS

1977-007

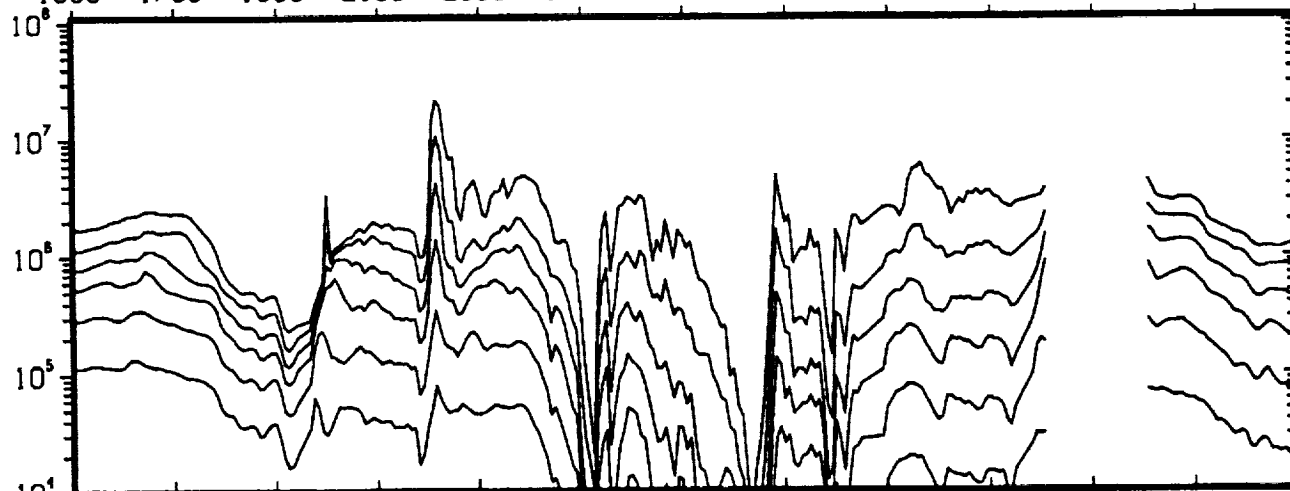
83/08/12

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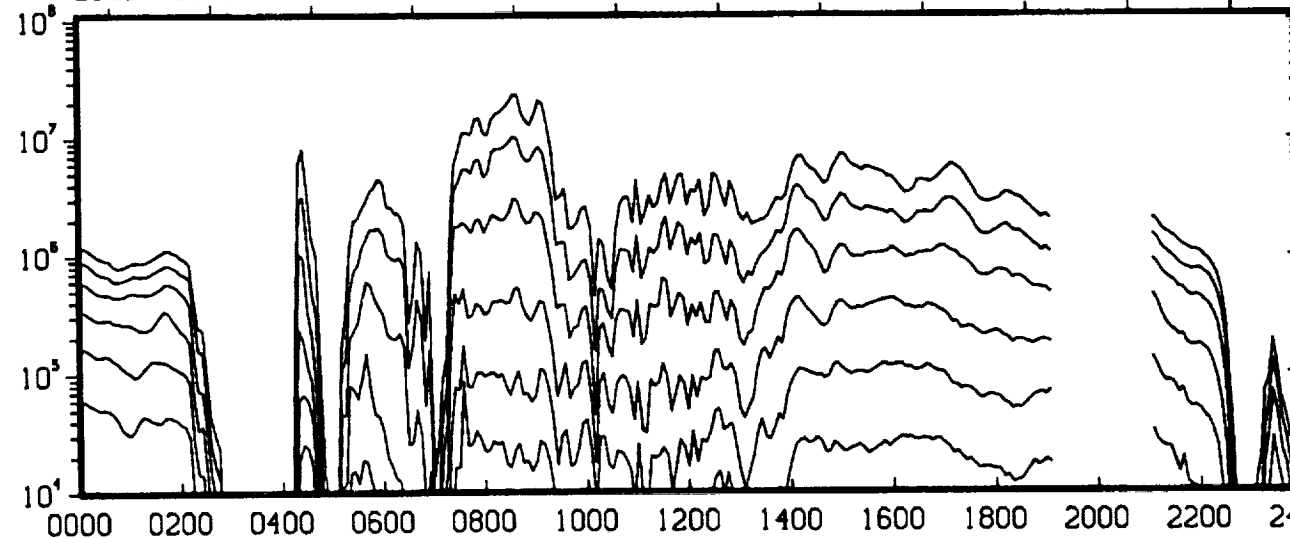
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

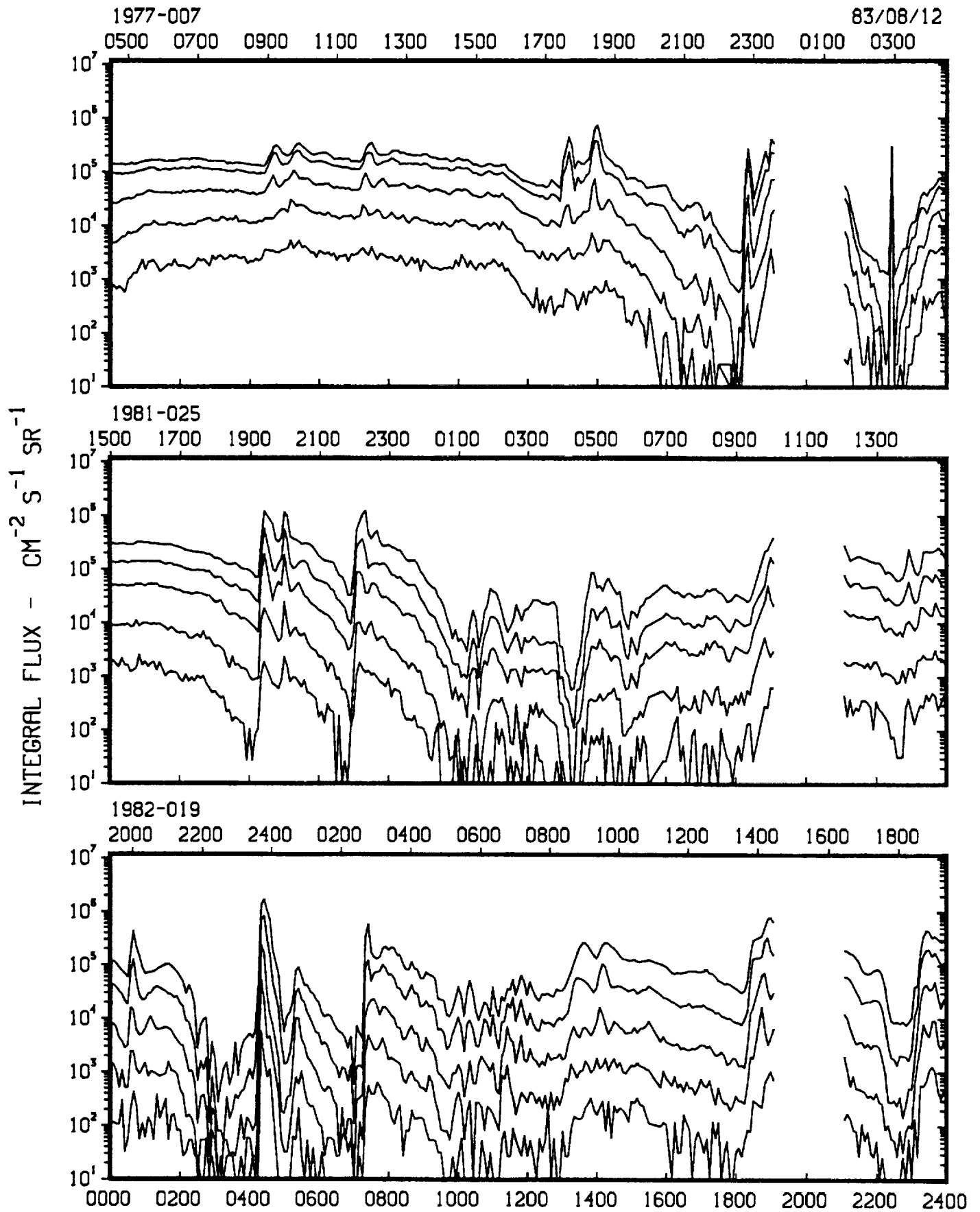
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INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



# LOW ENERGY IONS

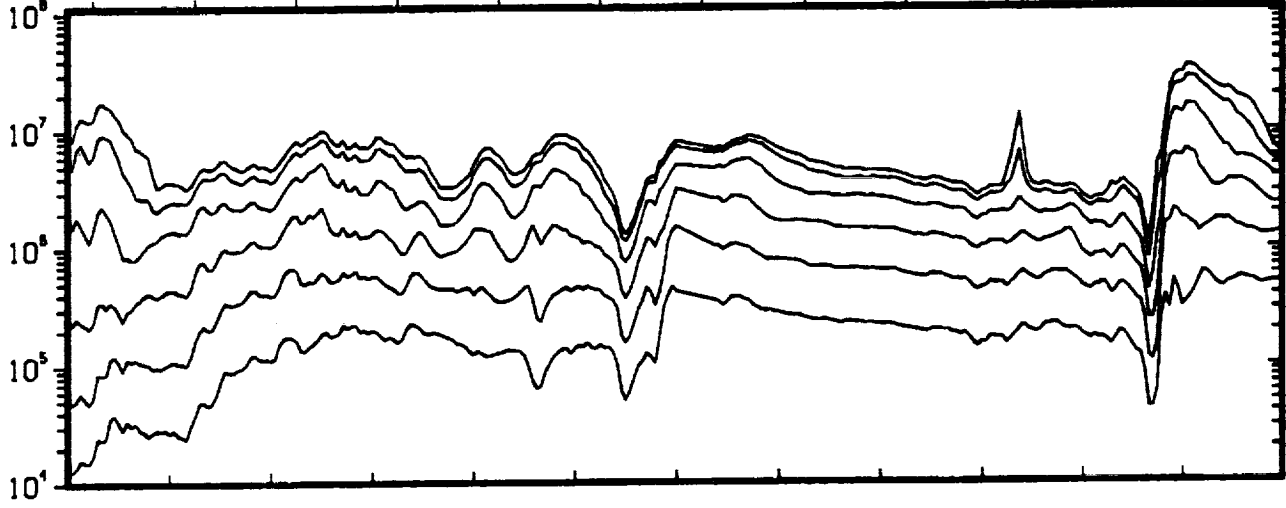


# LOW ENERGY ELECTRONS

1977-007

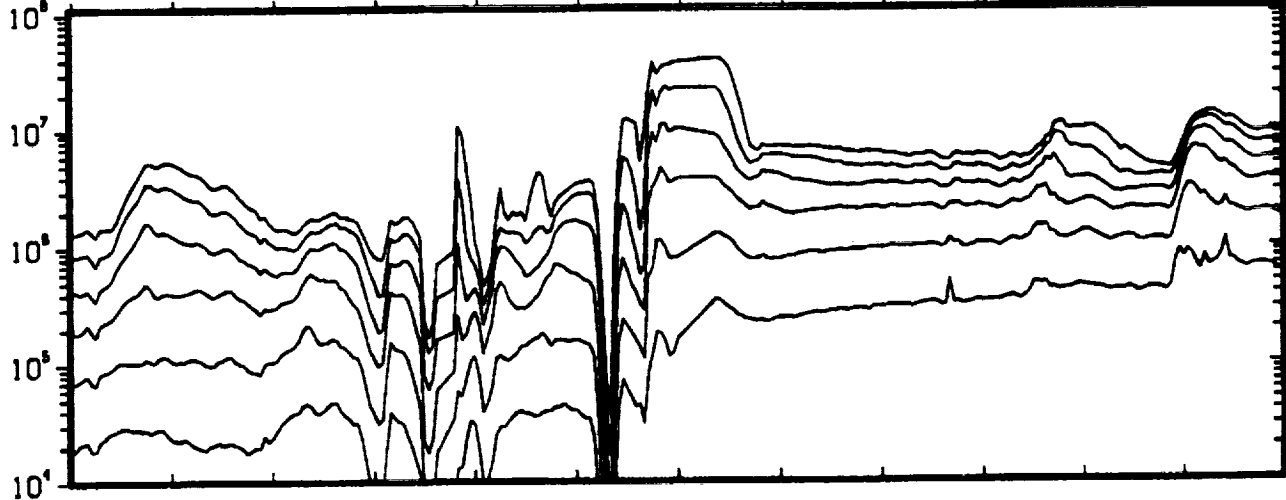
83/08/13

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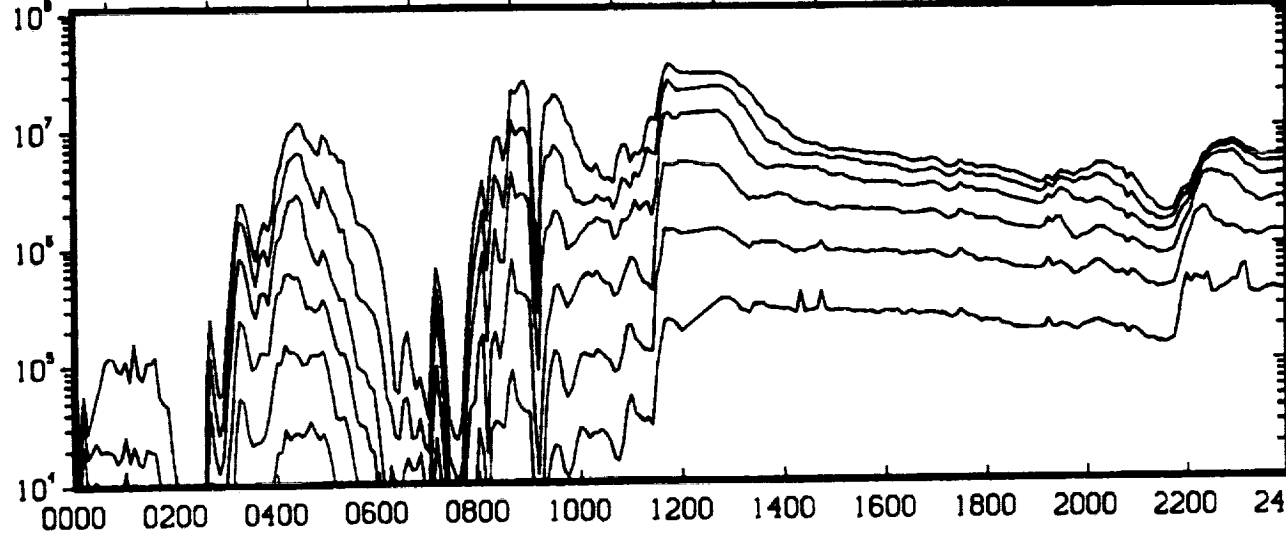
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



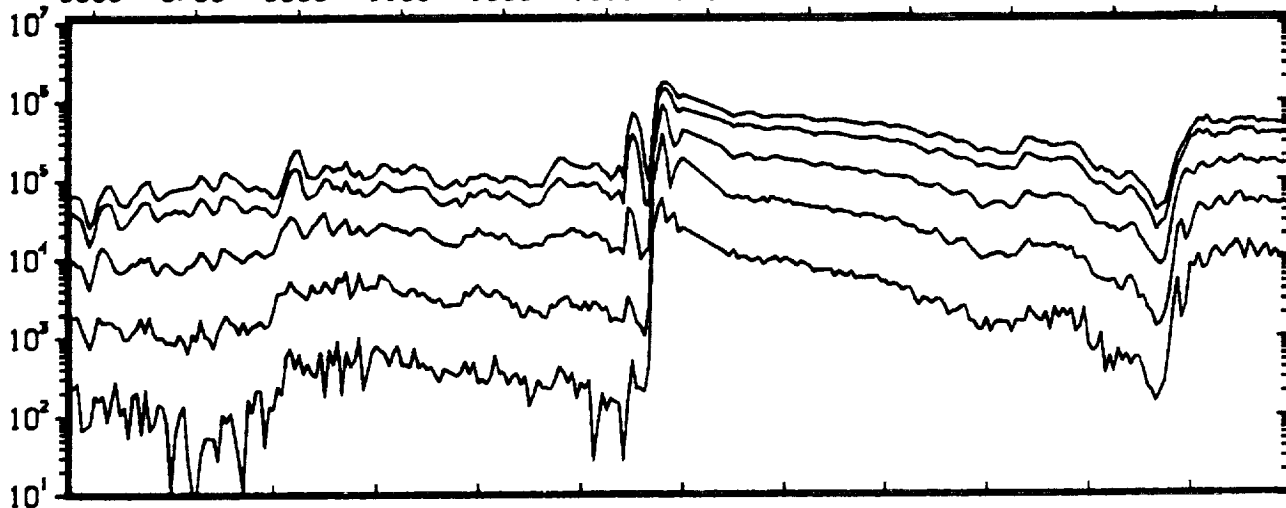
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

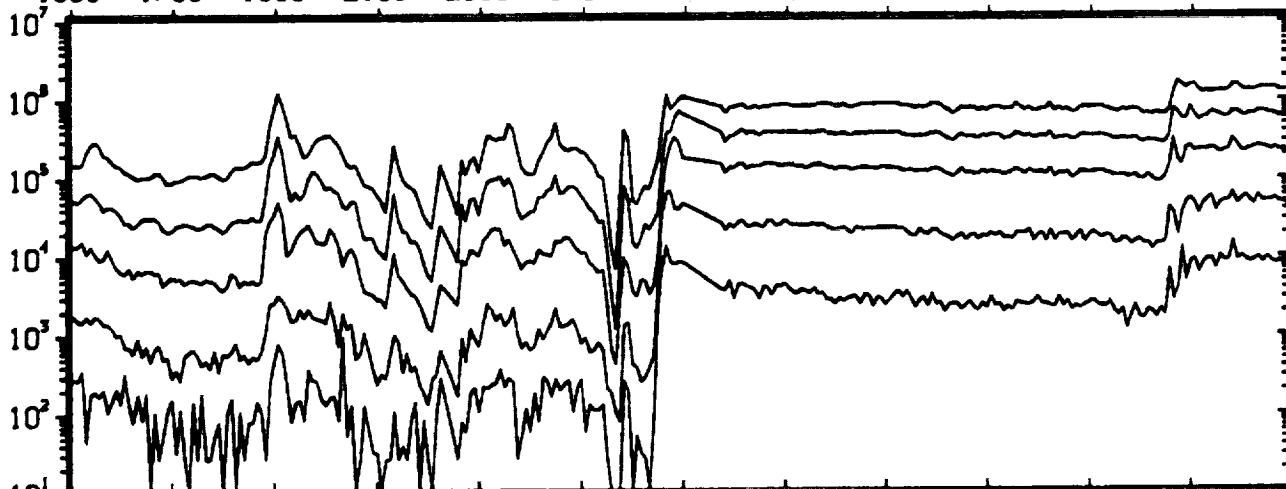
83/08/13

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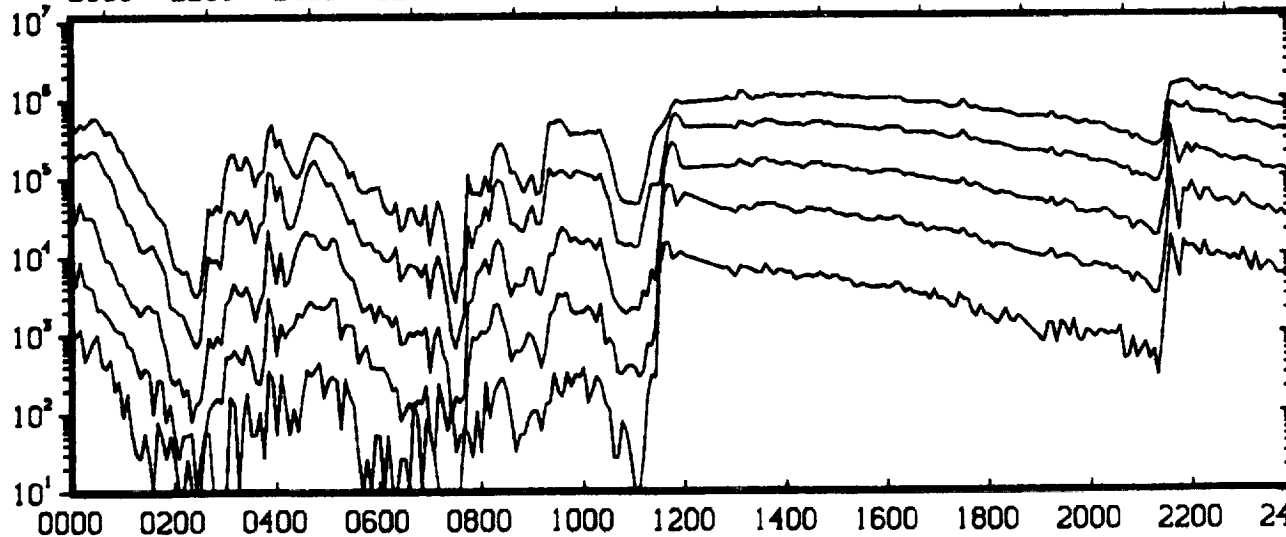
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



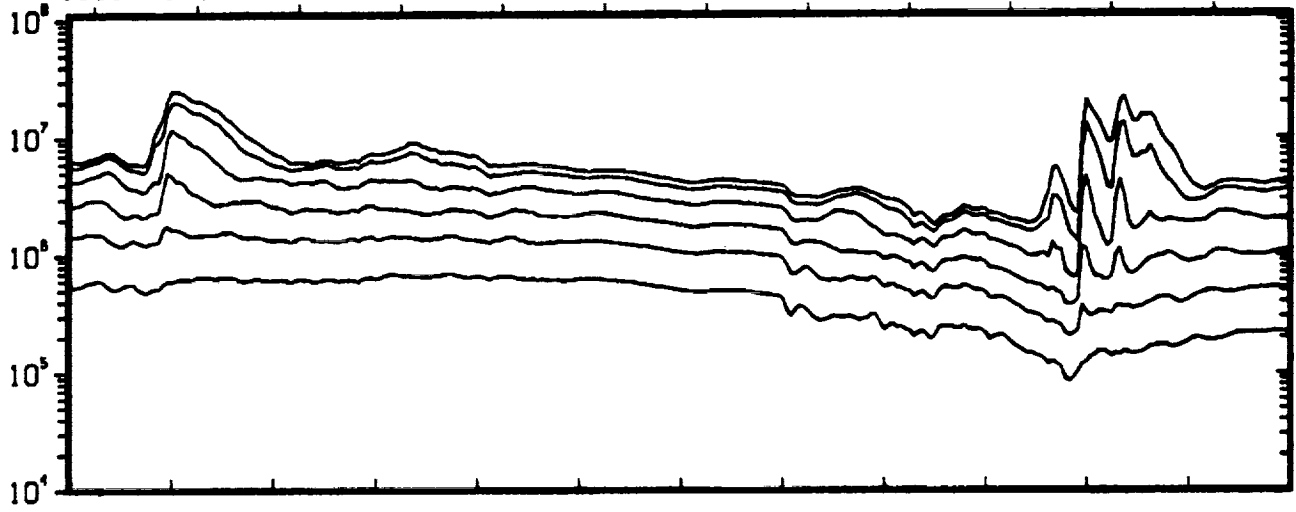
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

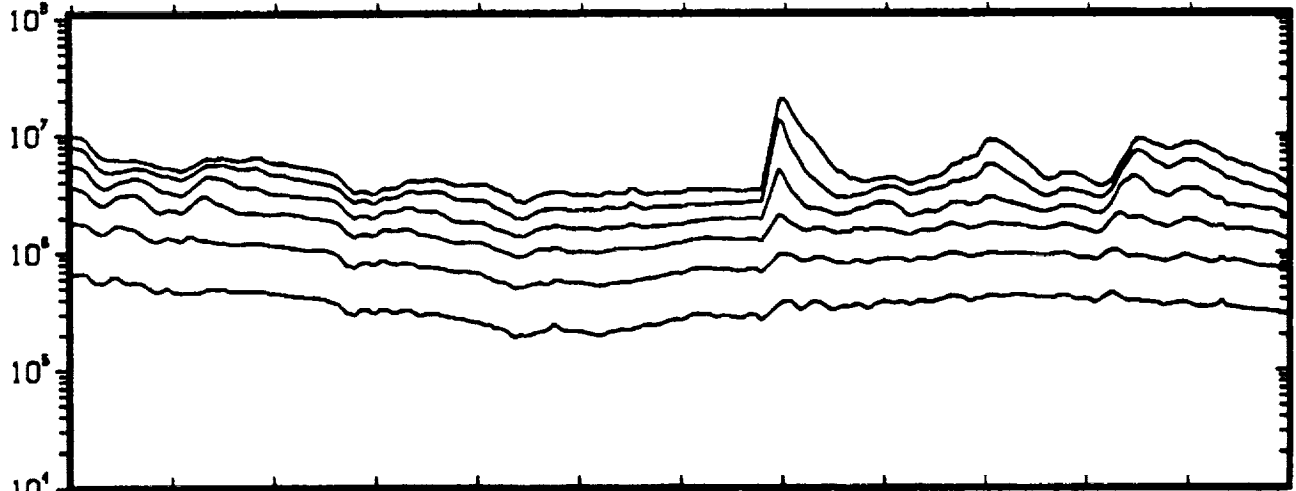
83/08/14

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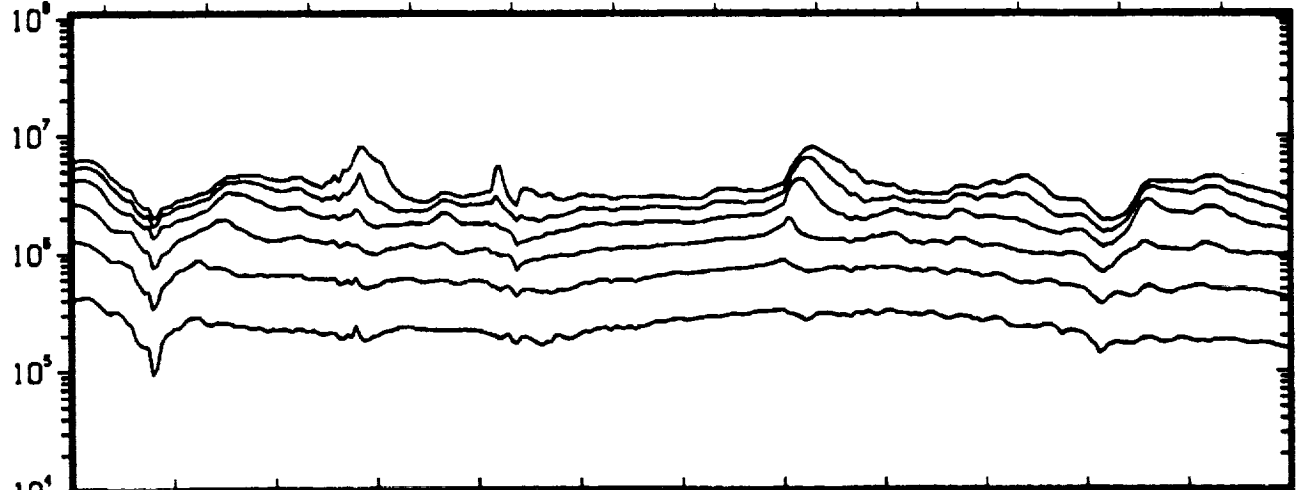
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



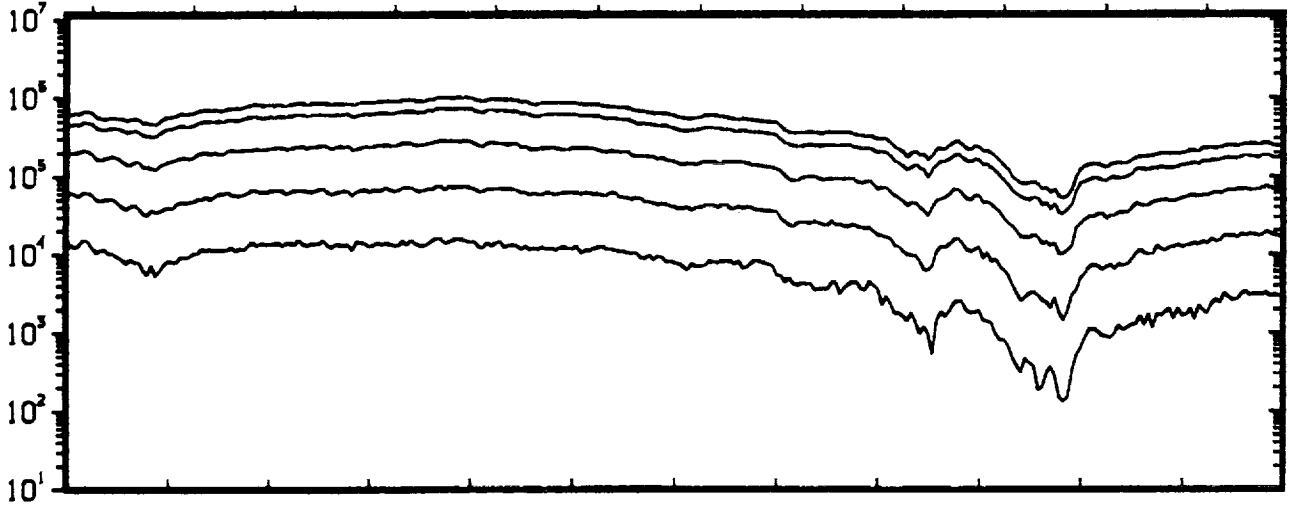
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/08/14

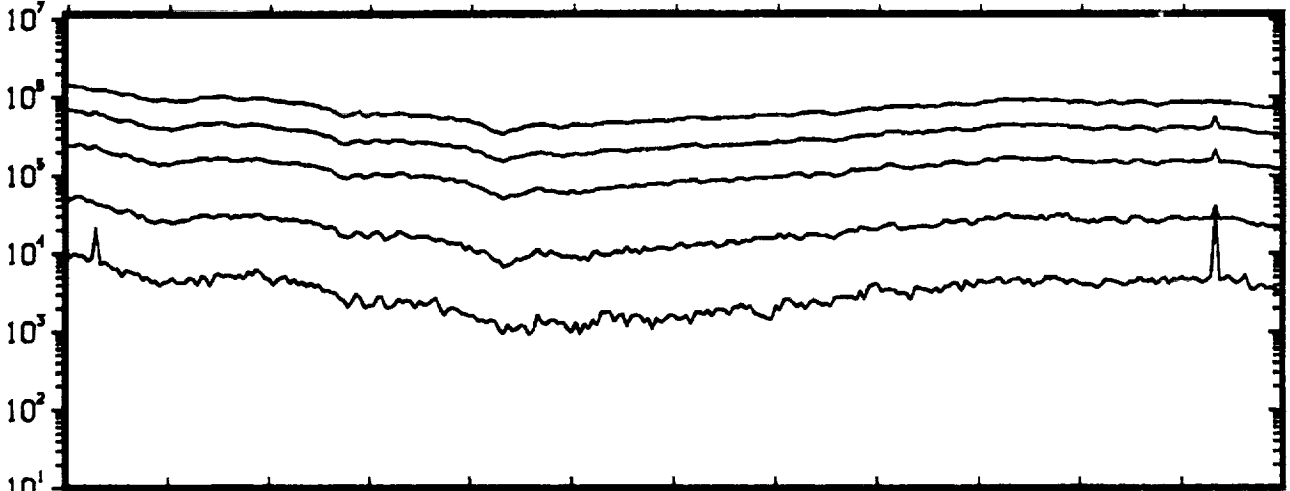
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

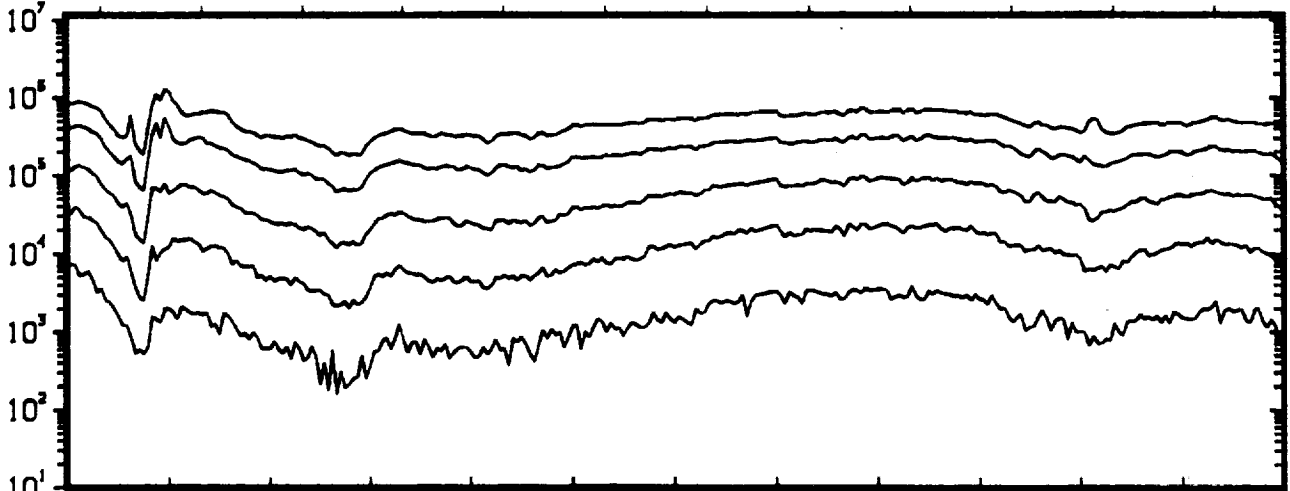
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



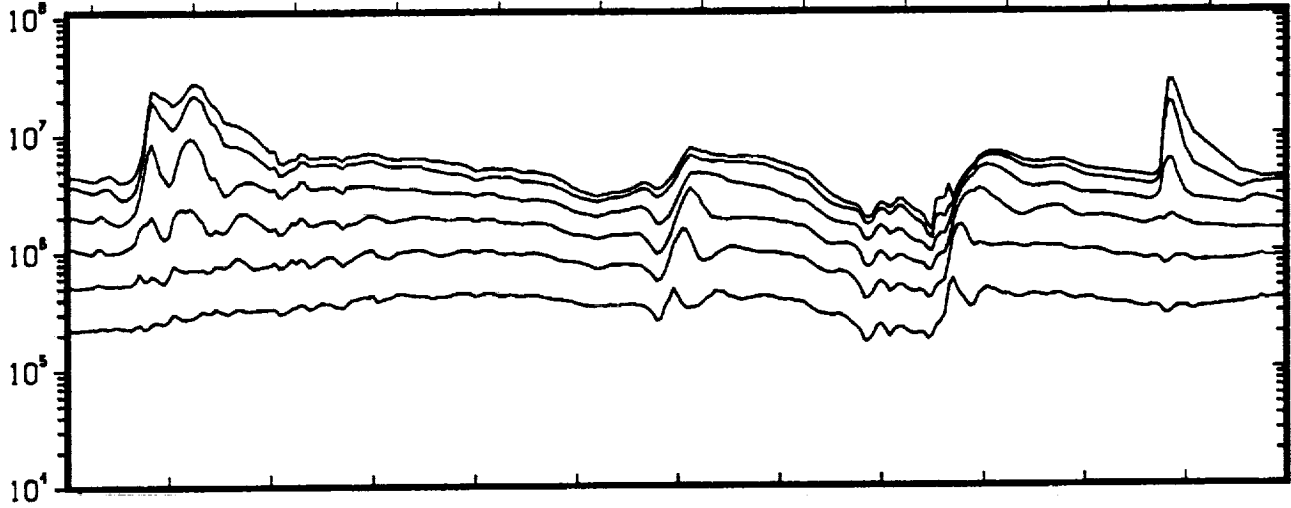
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

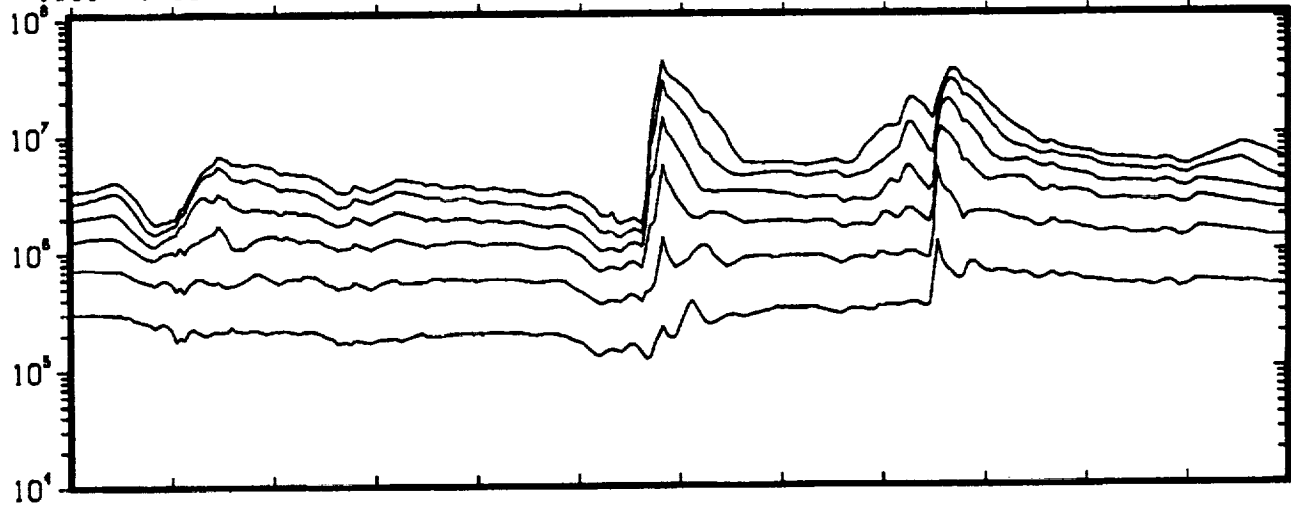
83/08/15

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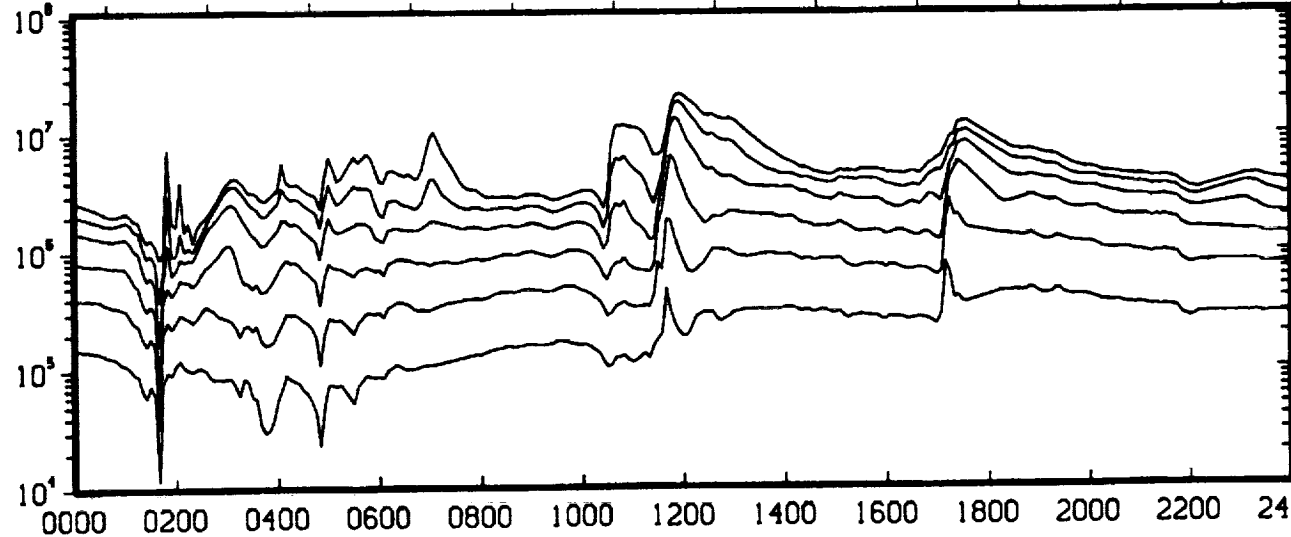
1981-025

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1982-019

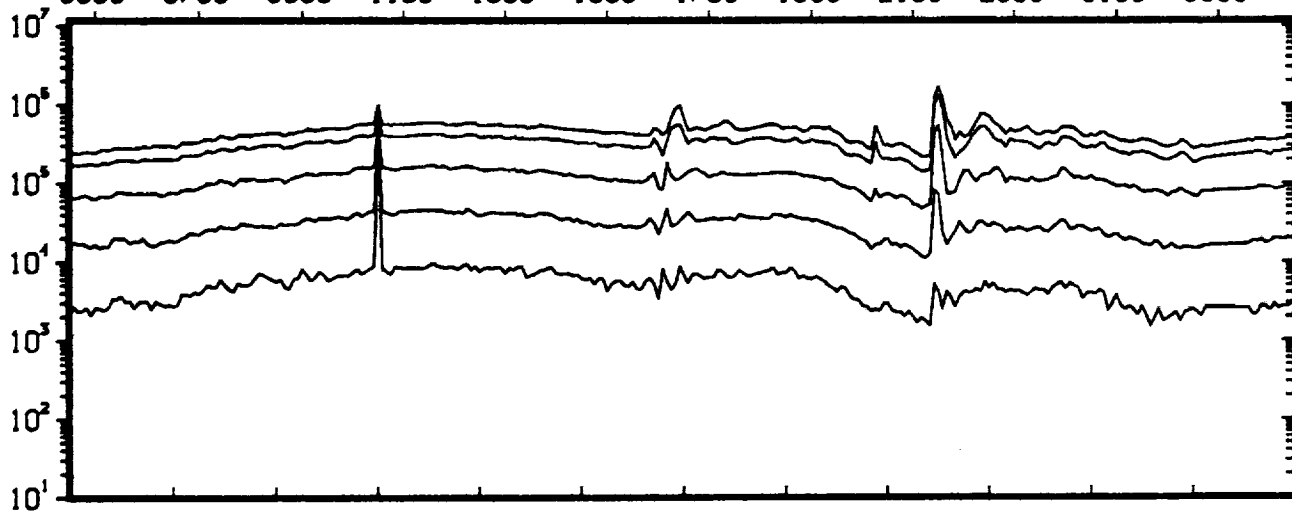
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

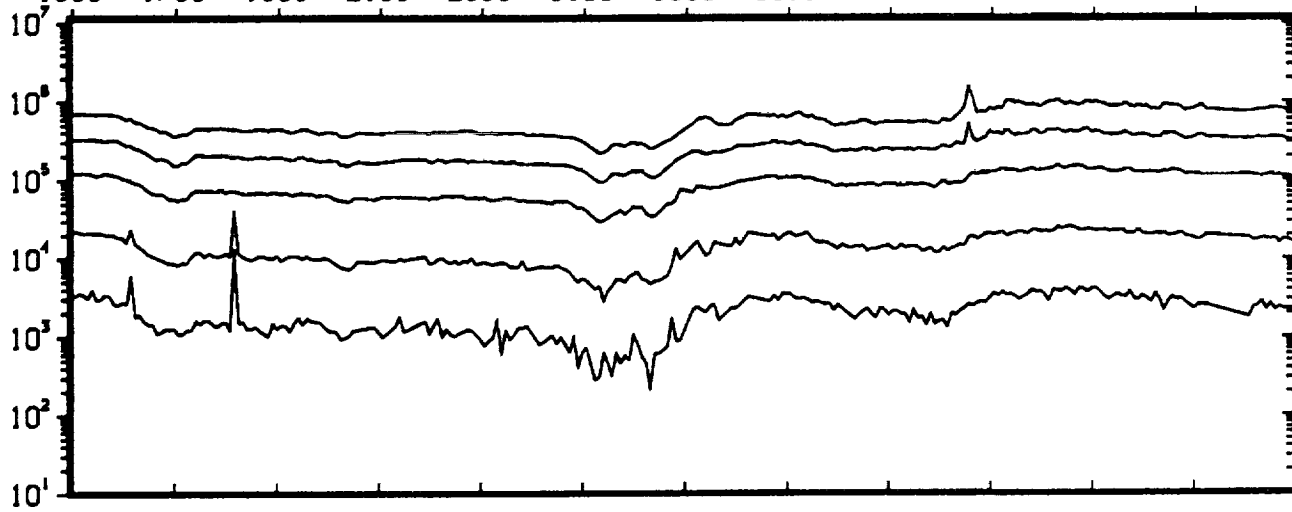
# LOW ENERGY IONS

1977-007 83/08/15  
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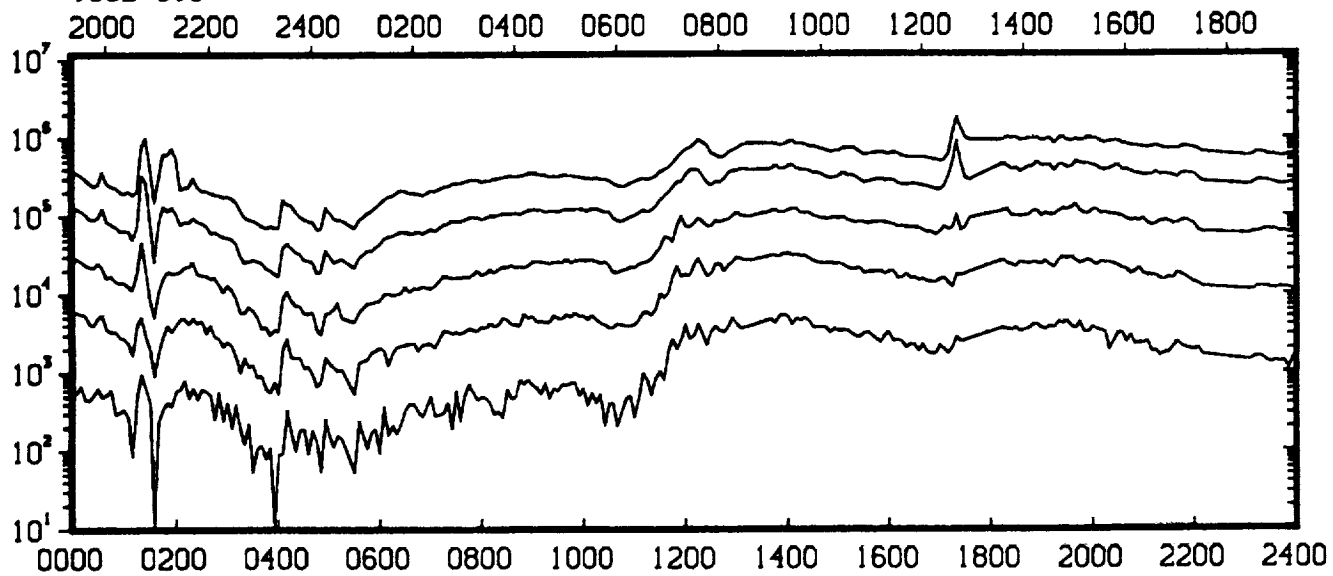


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

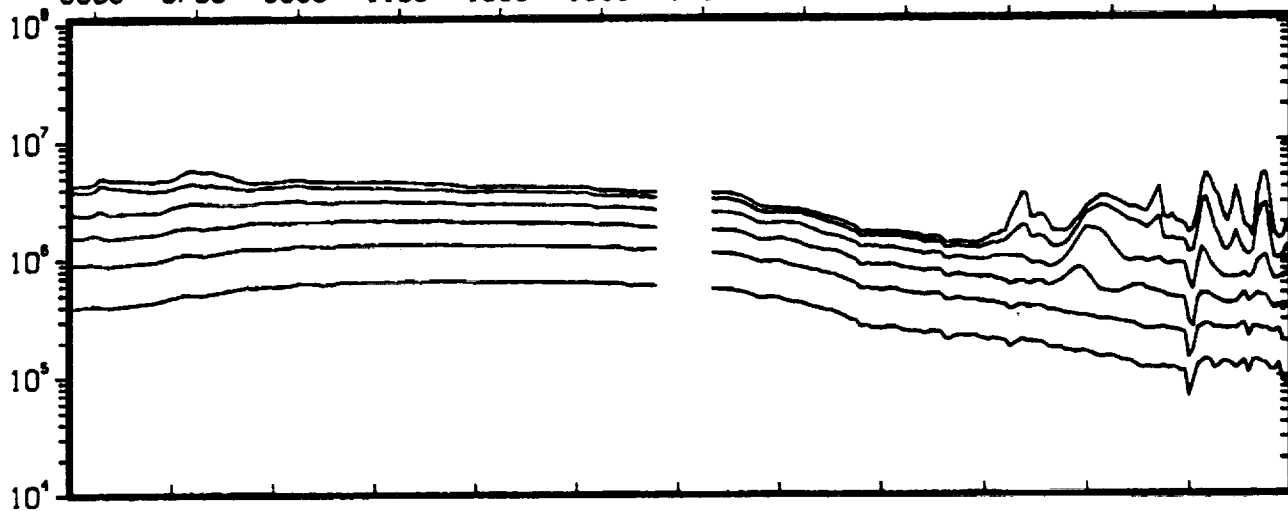


# LOW ENERGY ELECTRONS

1977-007

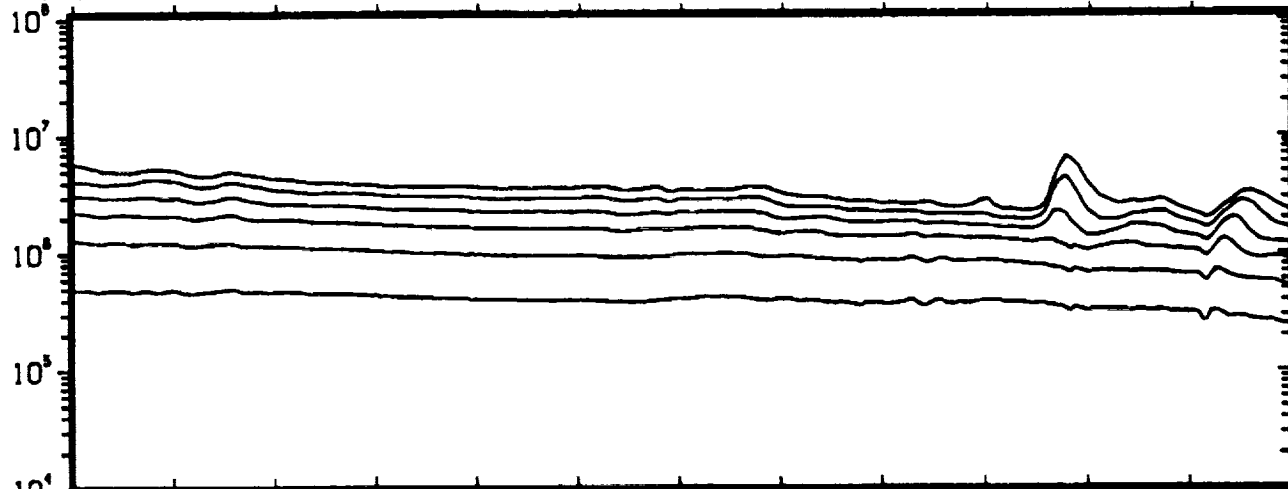
83/08/16

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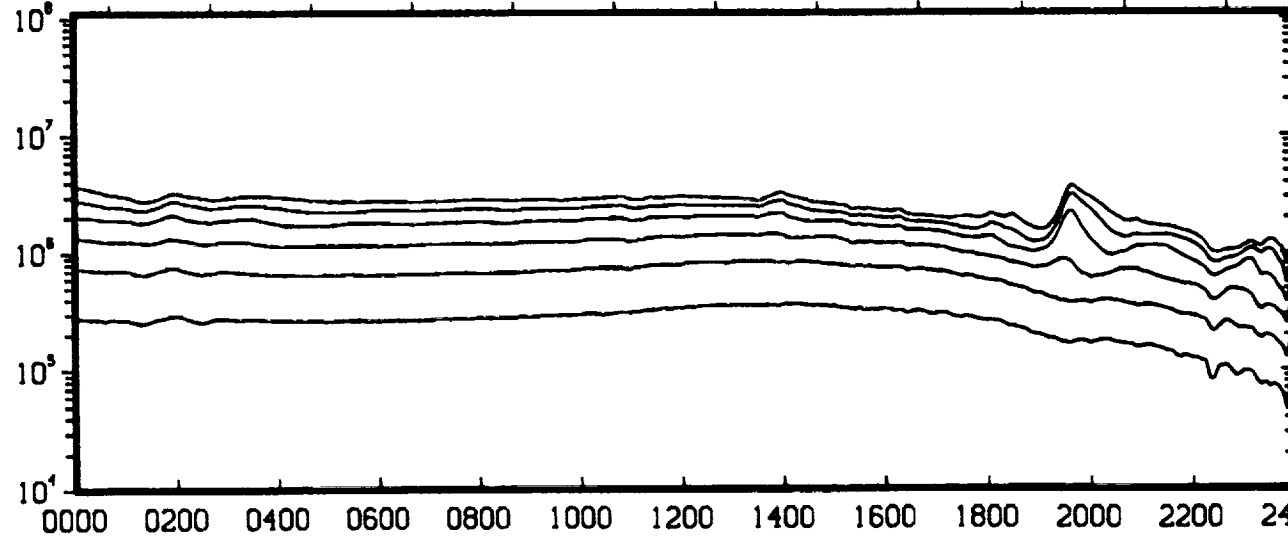
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

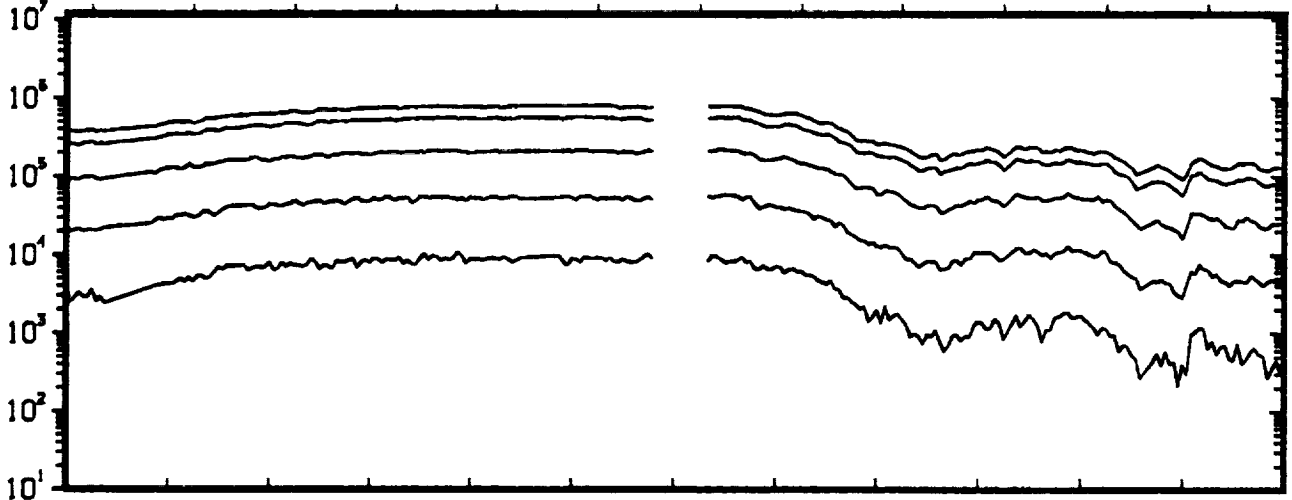


# LOW ENERGY IONS

1977-007

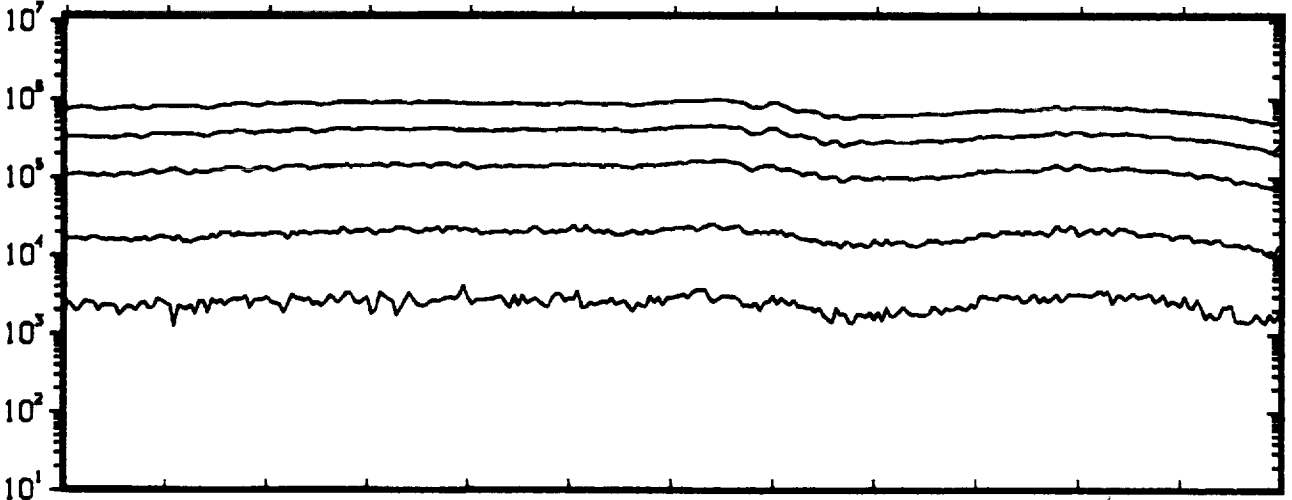
83/08/16

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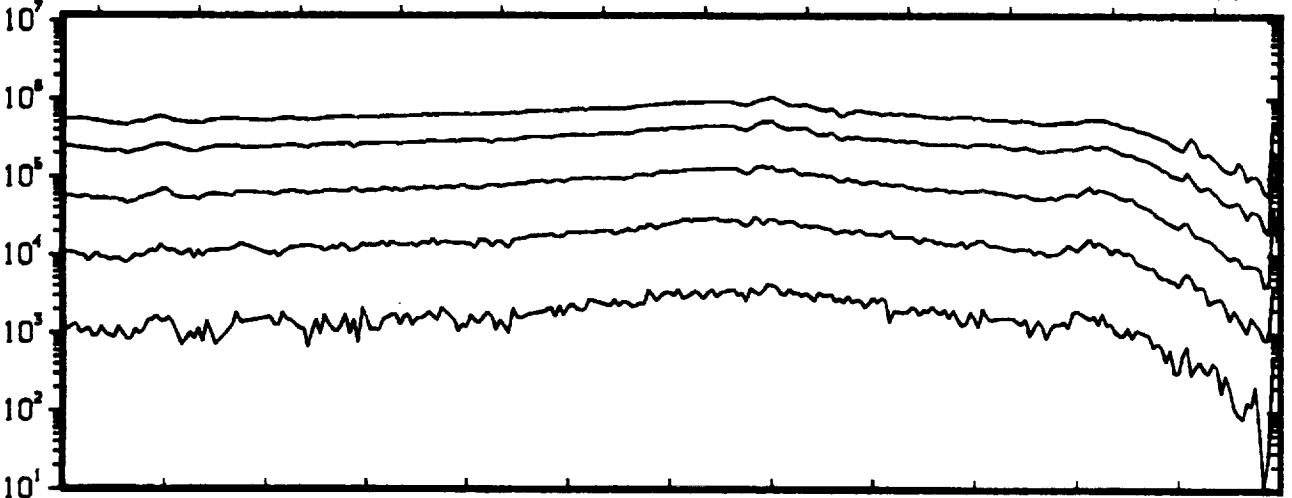
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



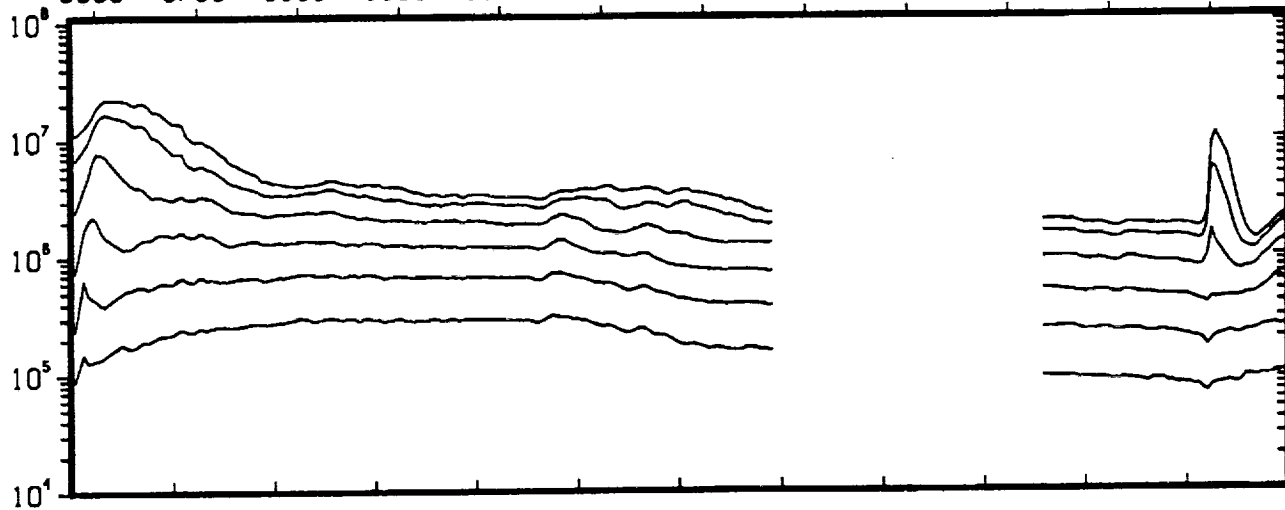
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

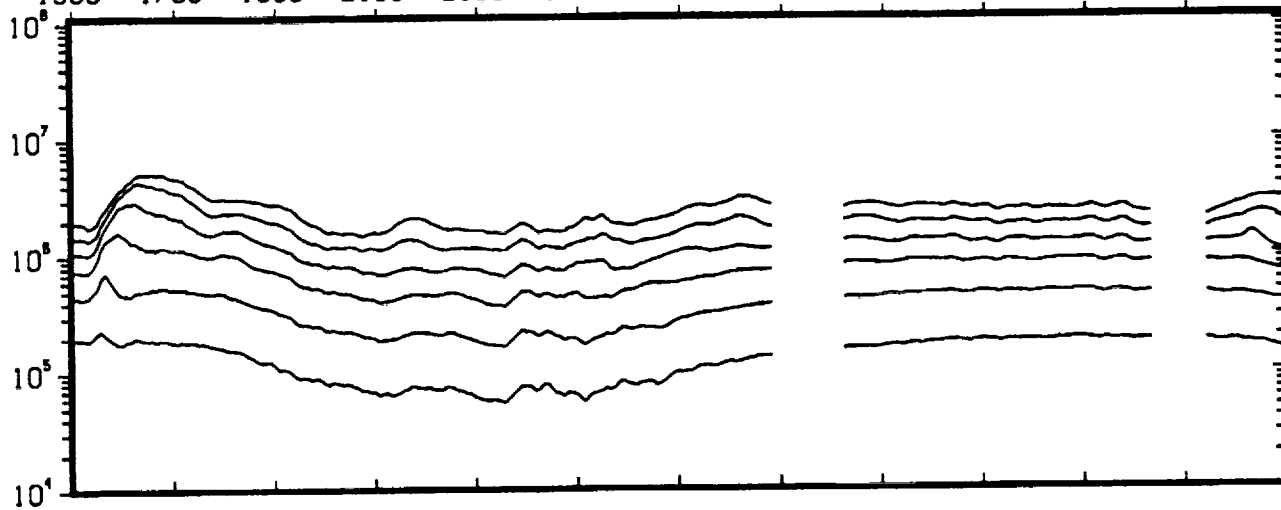
83/08/17

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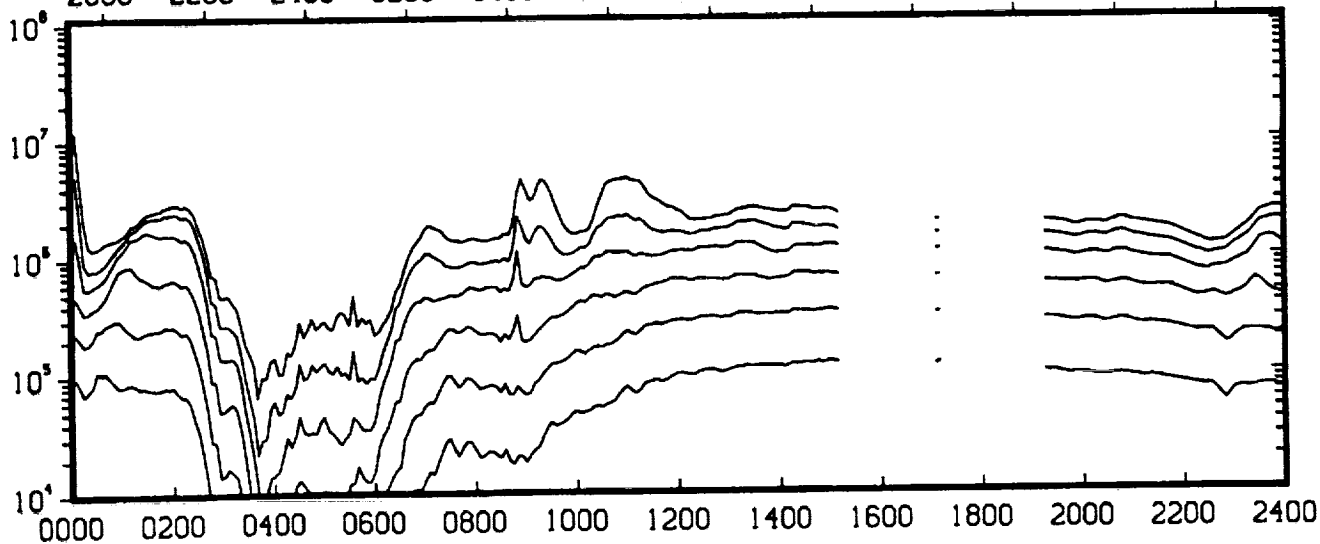
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



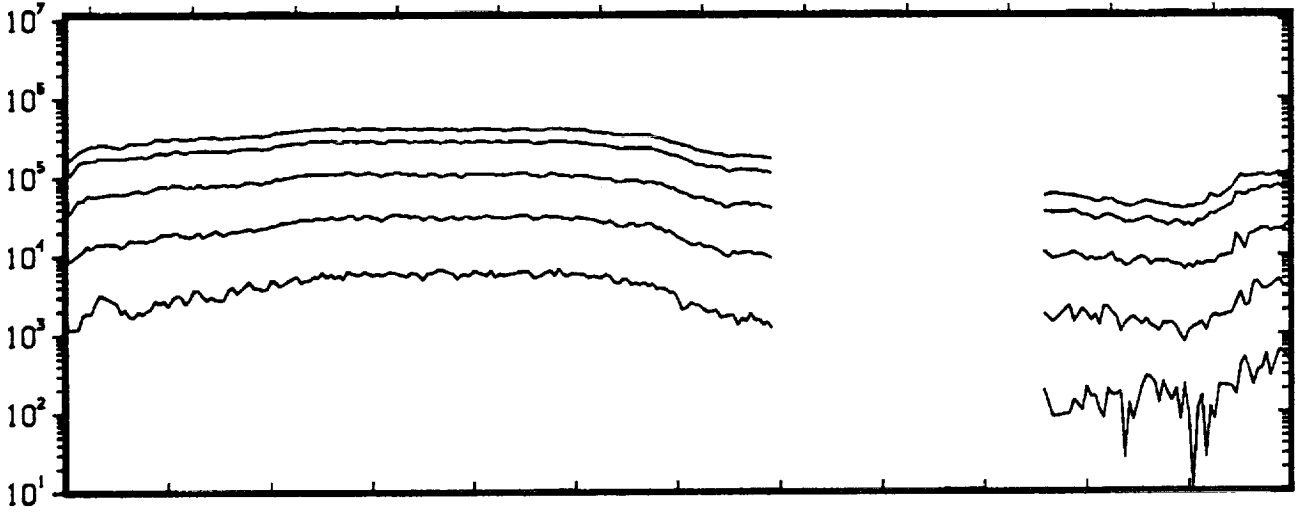
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

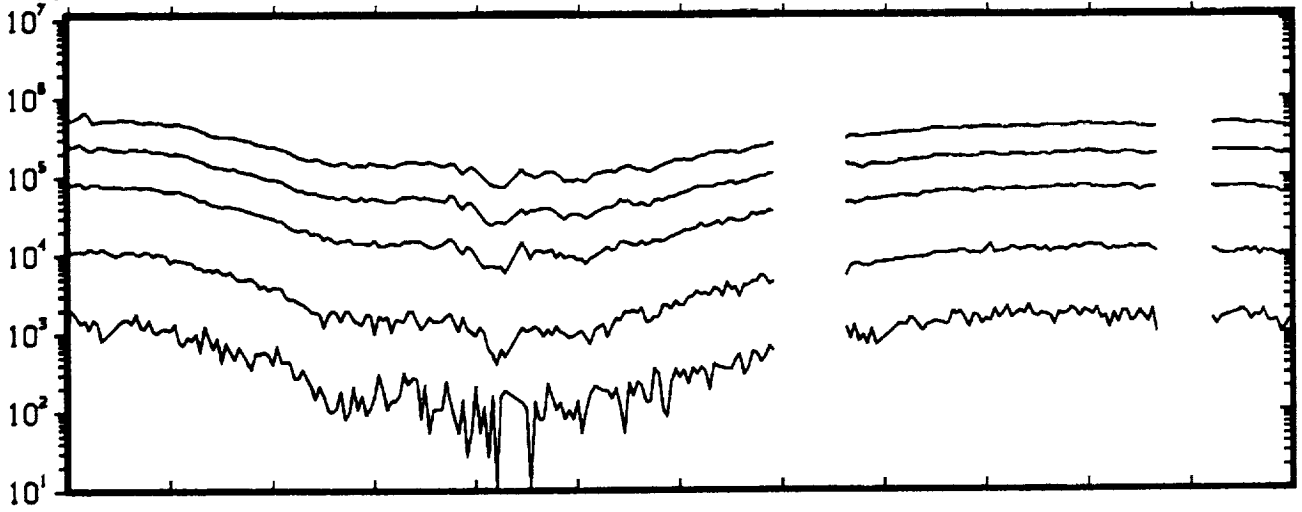
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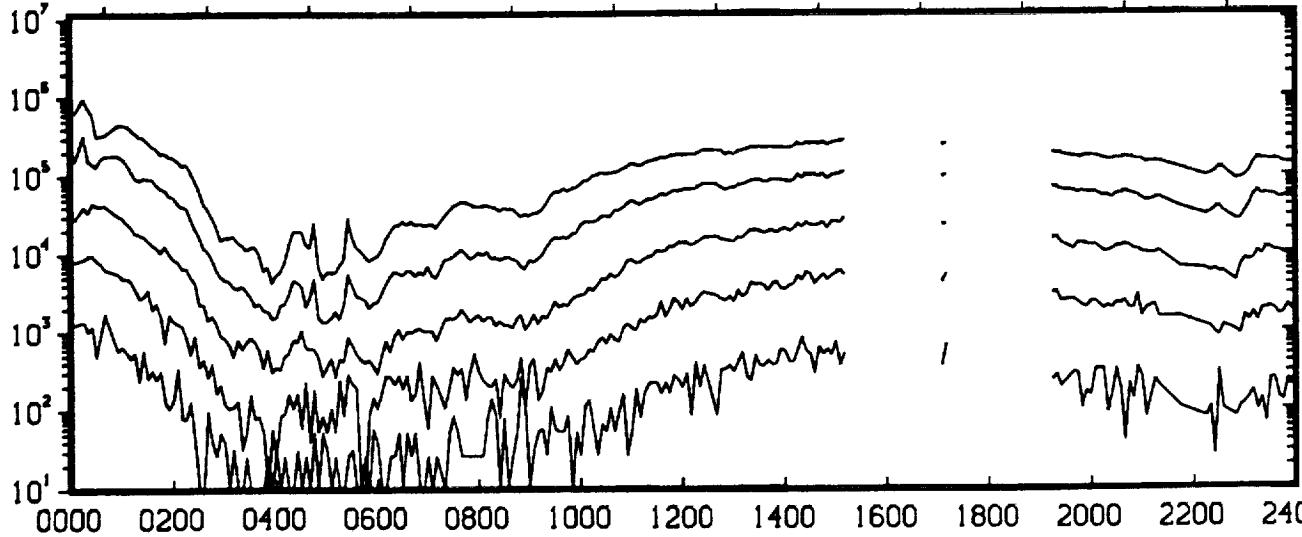
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



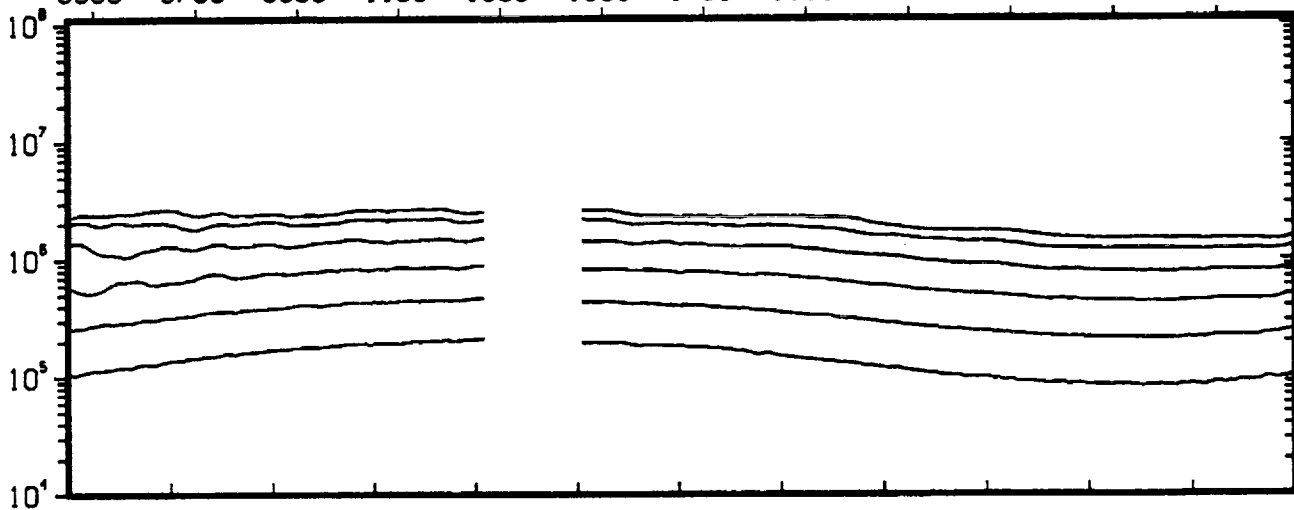
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

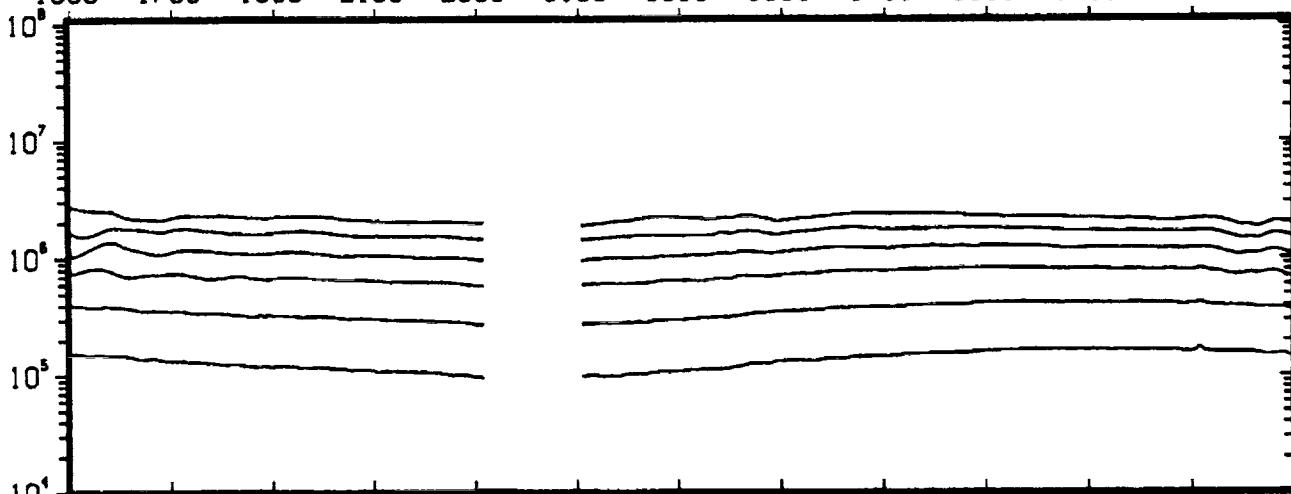
83/08/18

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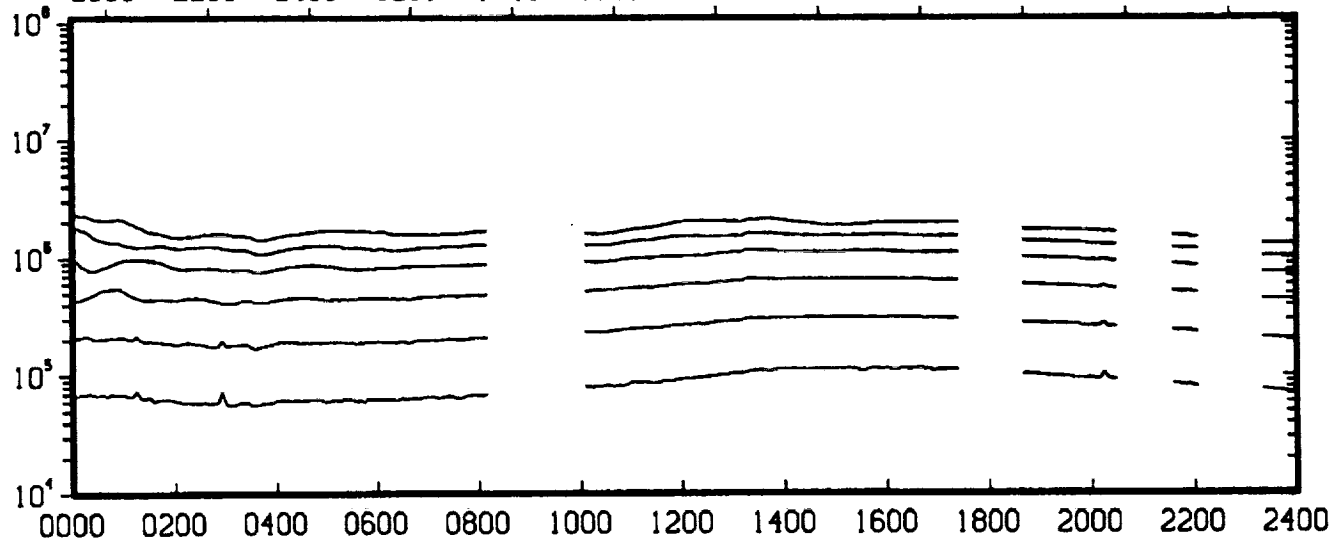
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



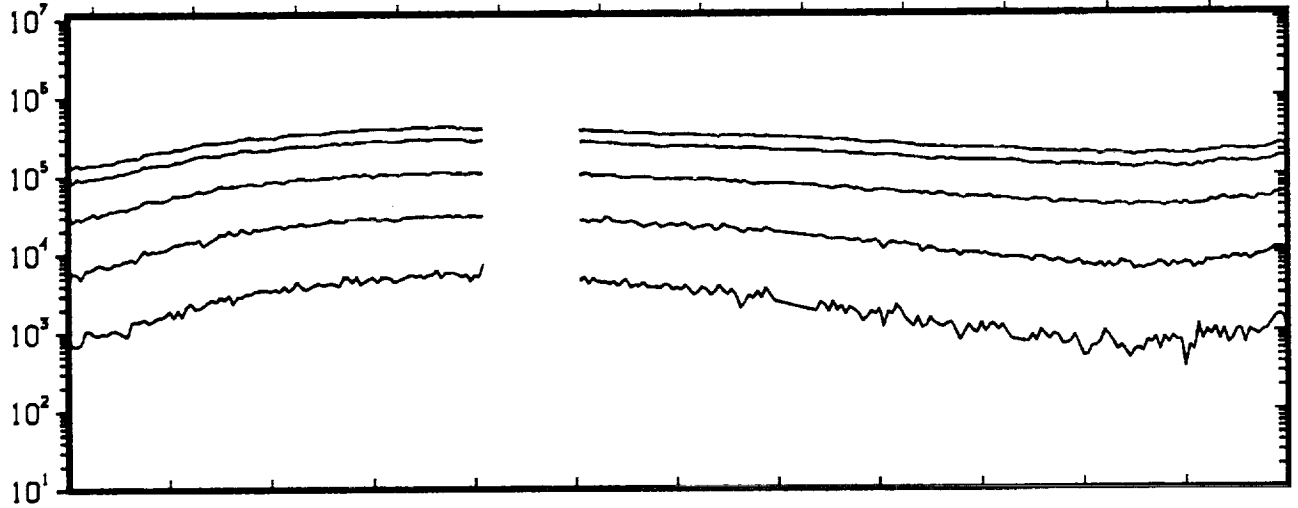
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

LOW ENERGY IONS

1977-007

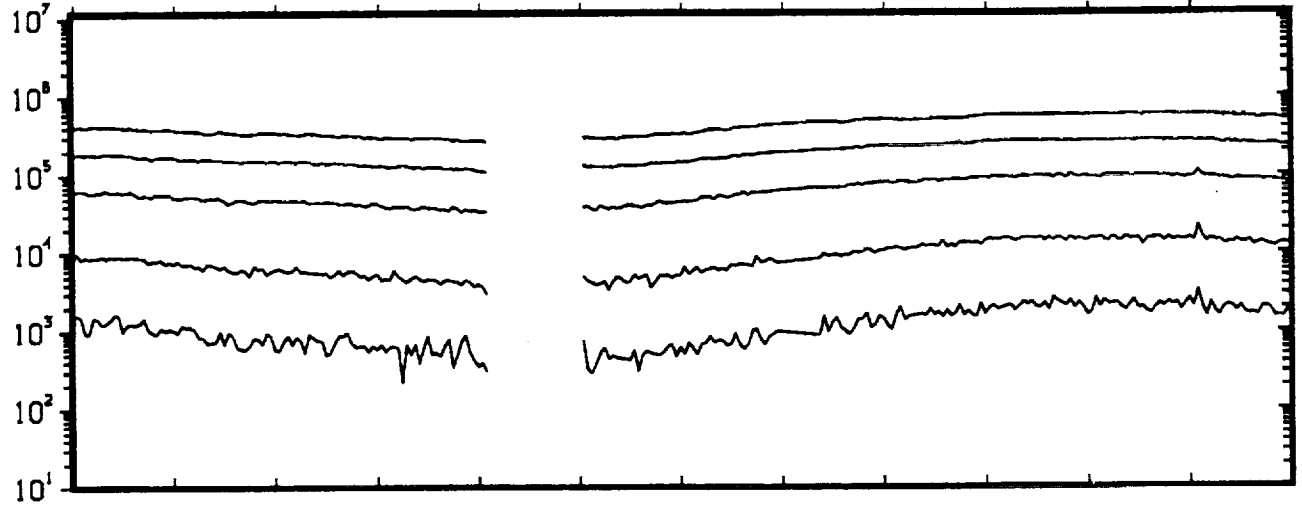
83/08/18

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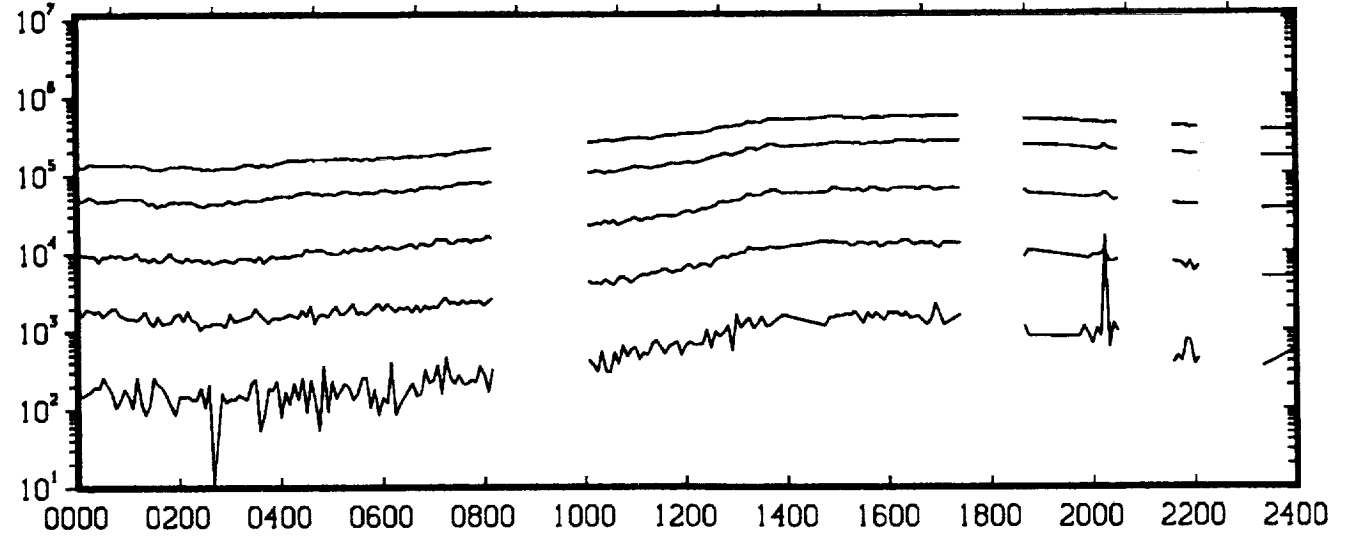
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



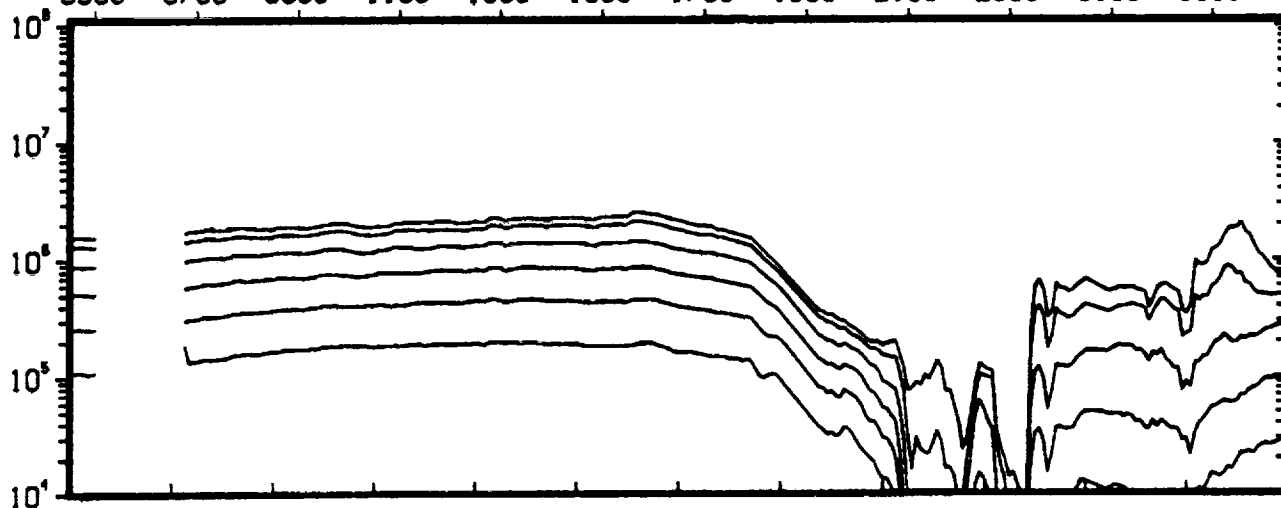
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

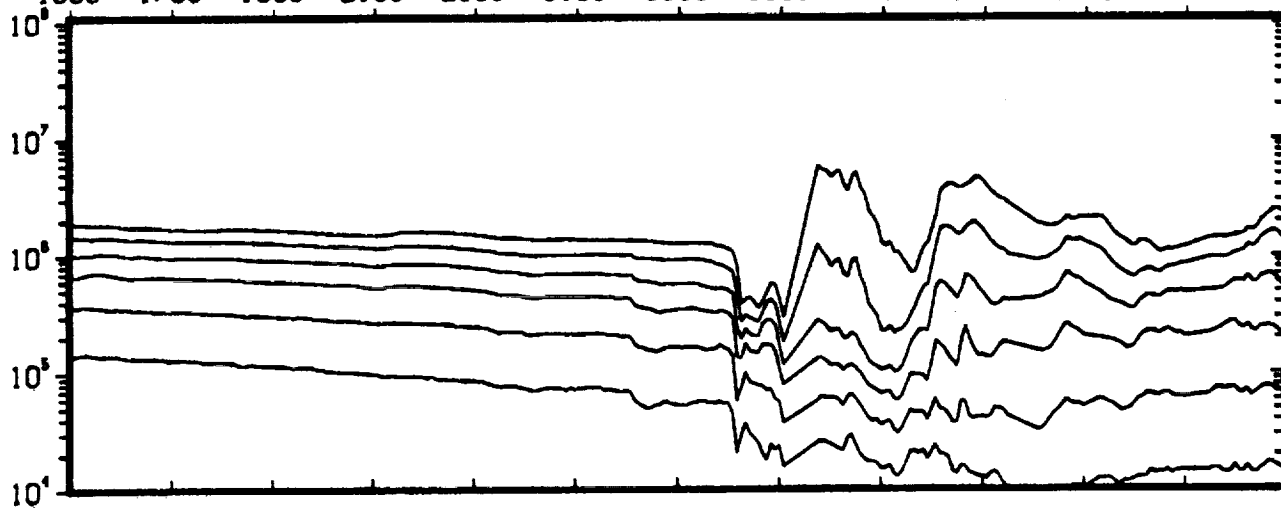
83/08/19

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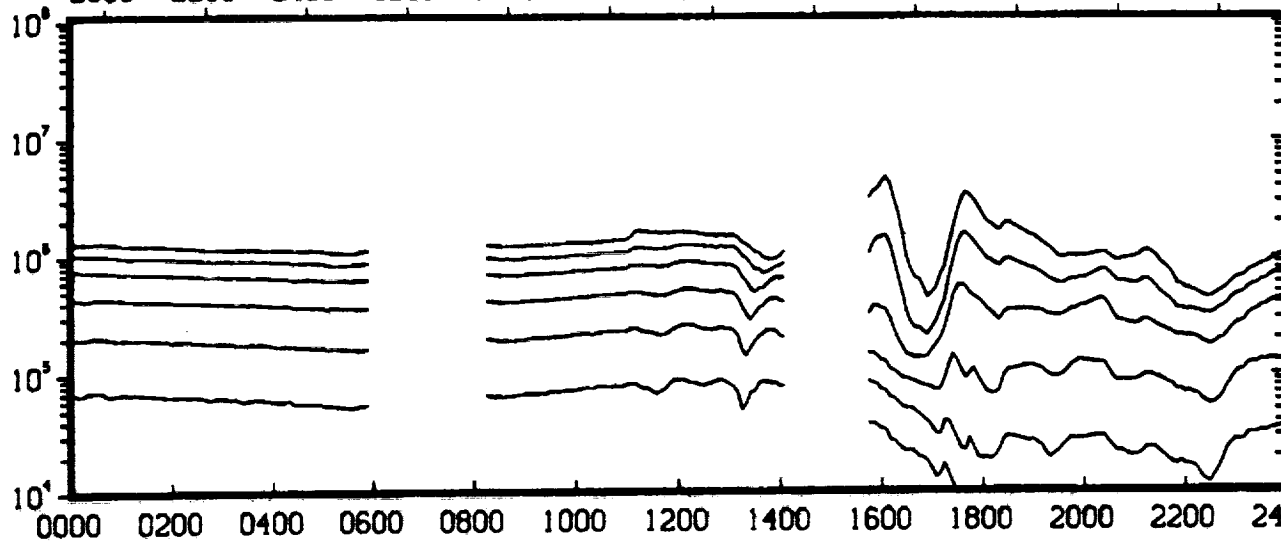
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



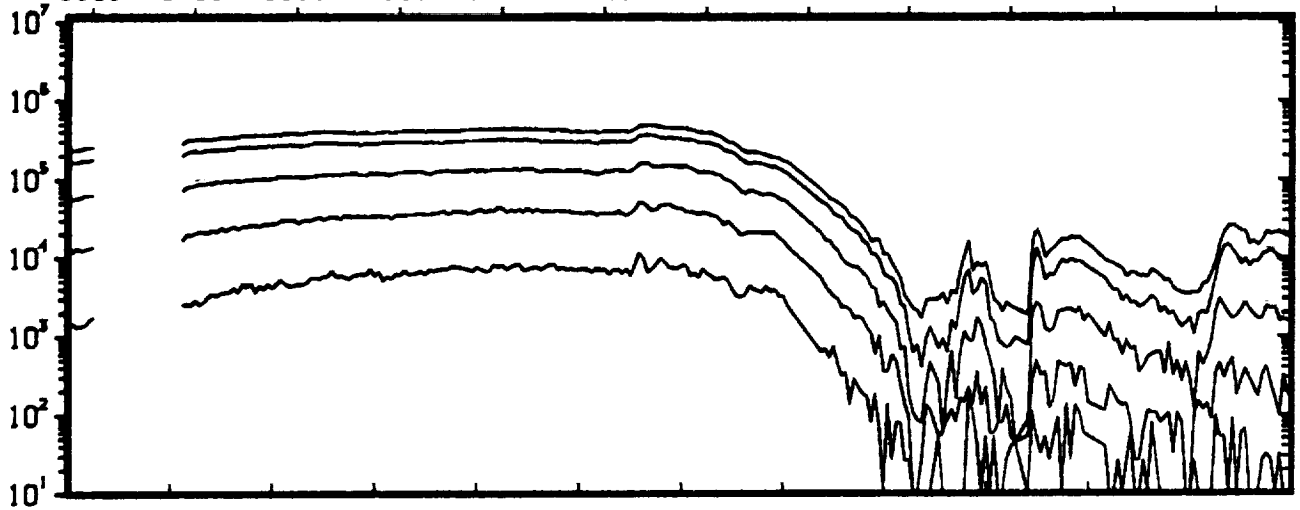
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

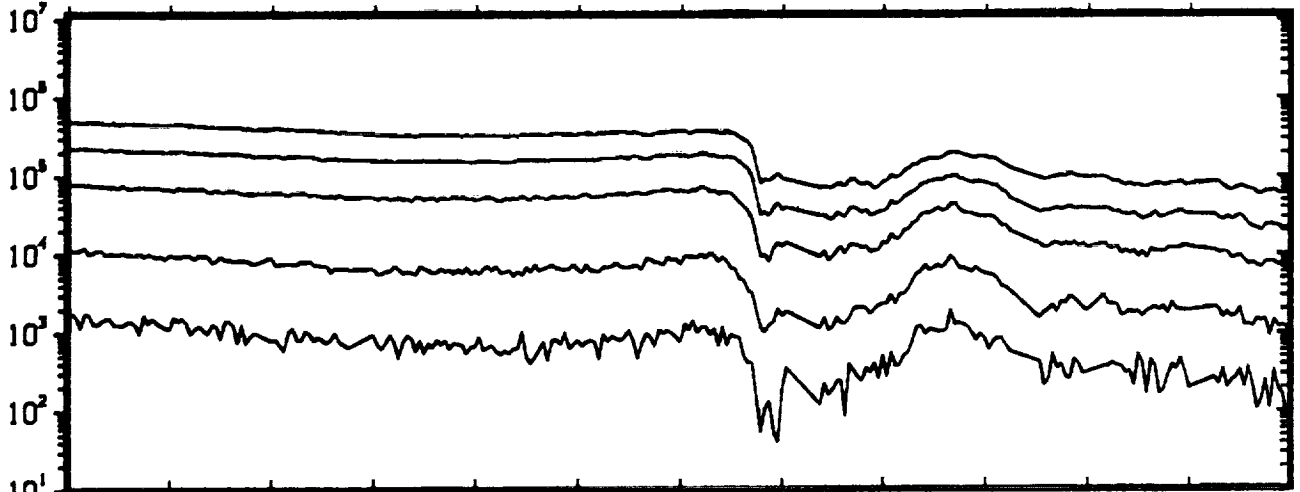
83/08/19

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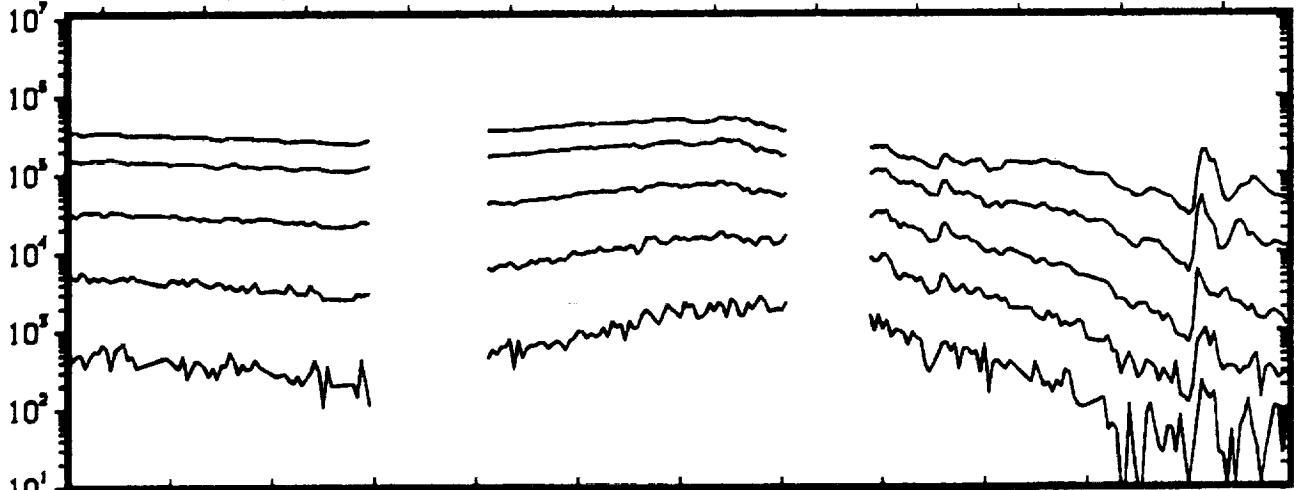
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



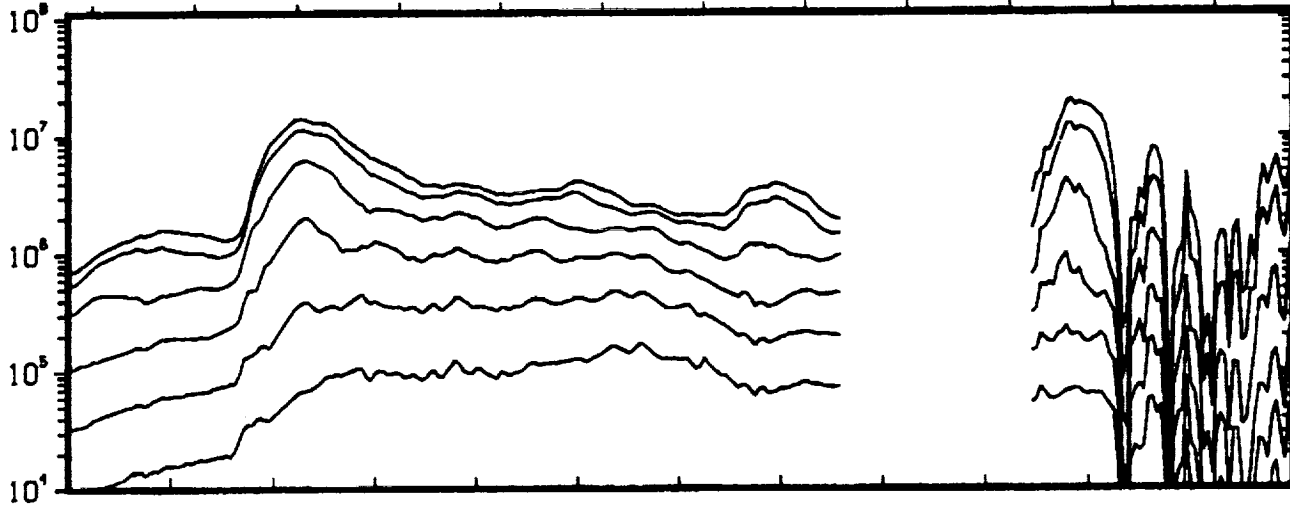
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

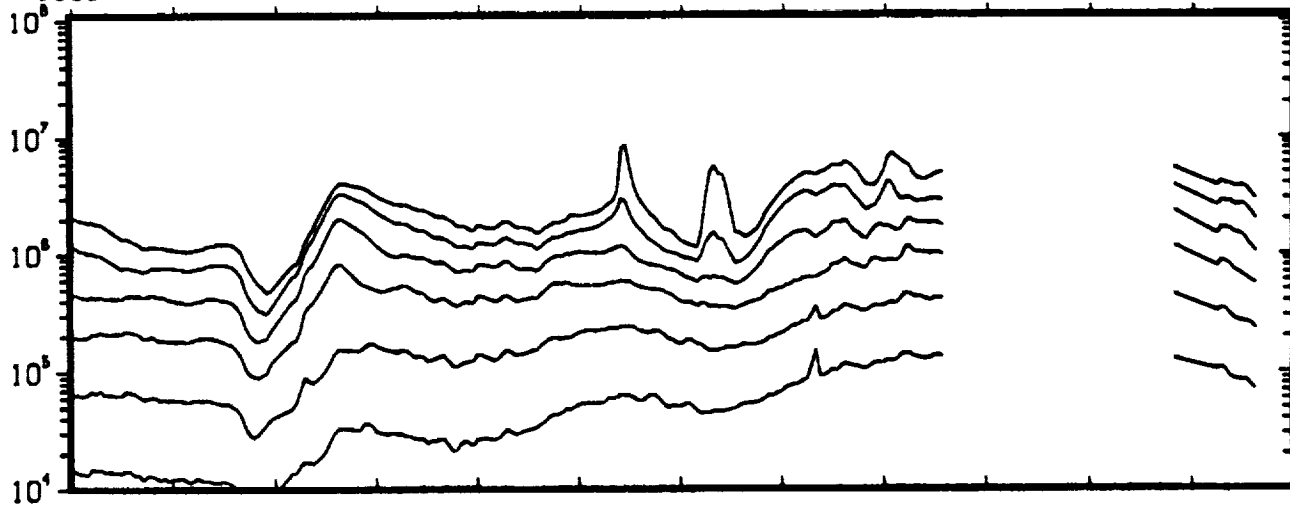
83/08/20

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



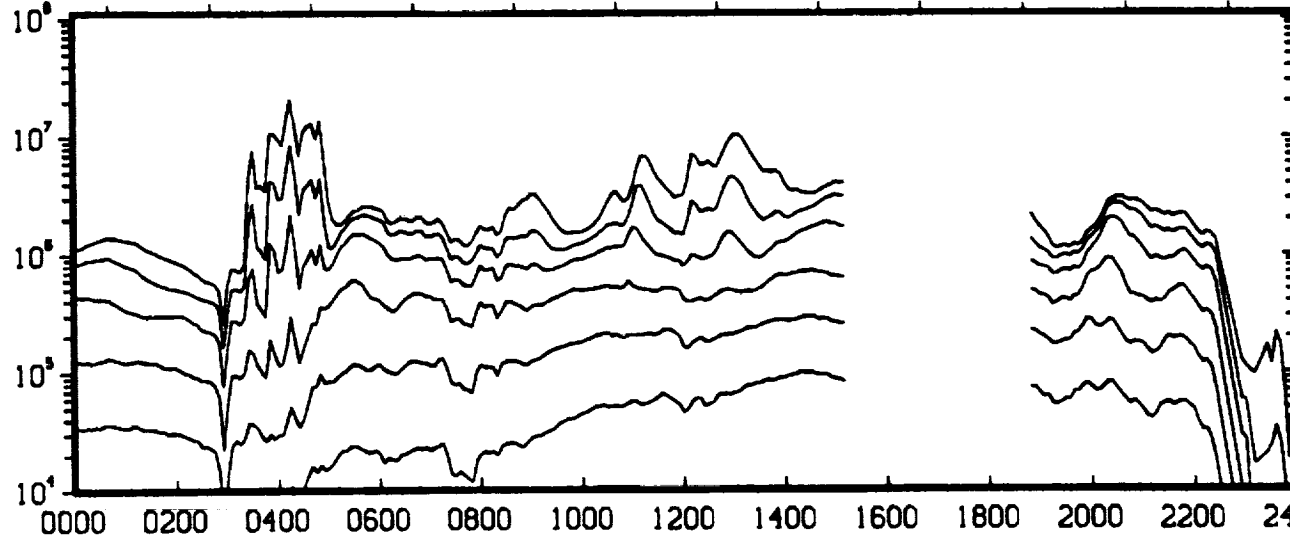
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

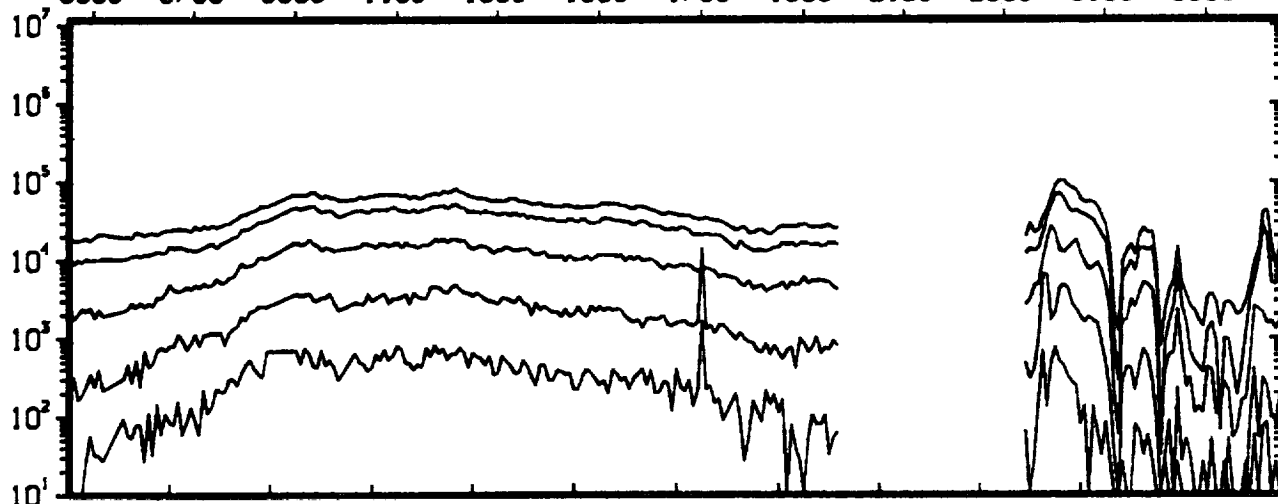


# LOW ENERGY IONS

1977-007

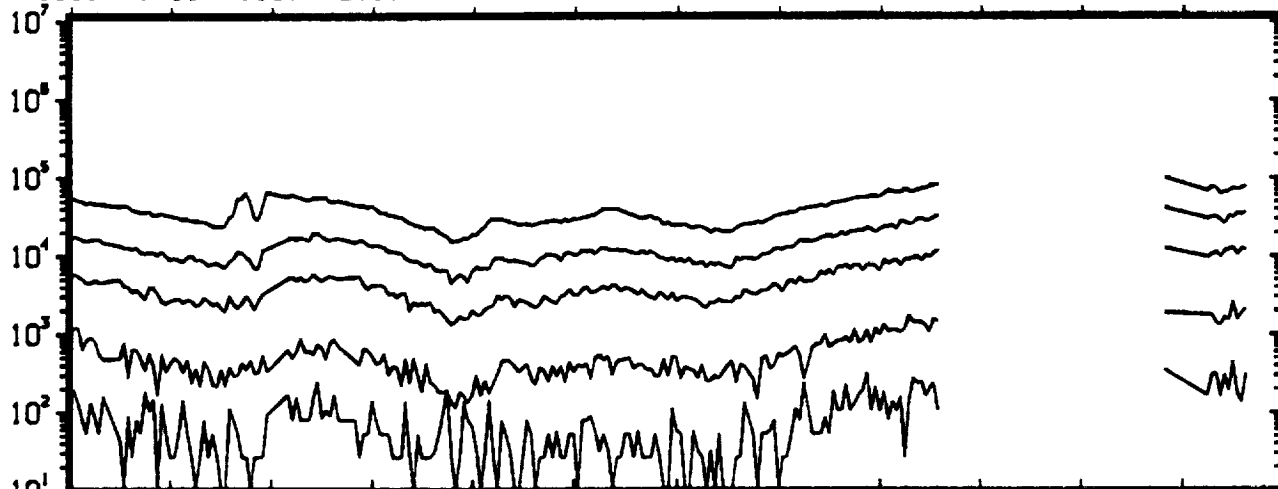
83/08/20

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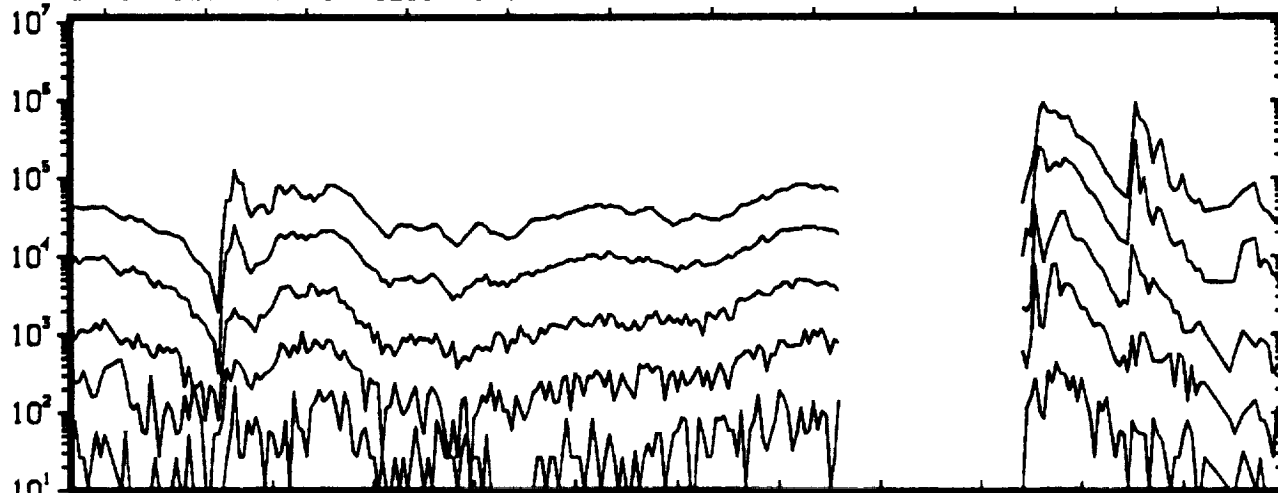
1981-025

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1982-019

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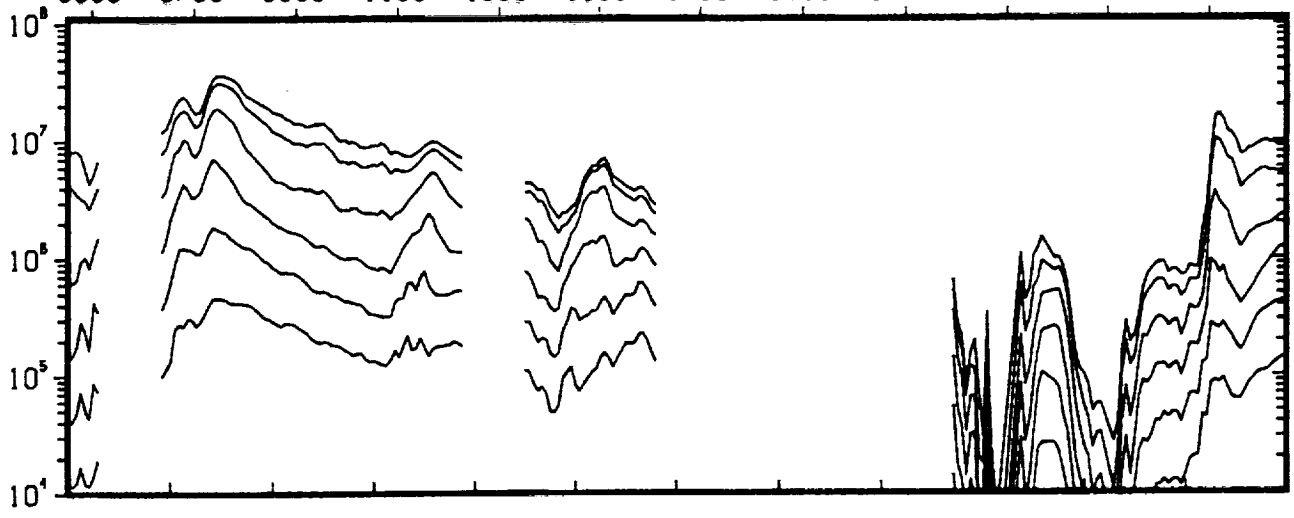
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

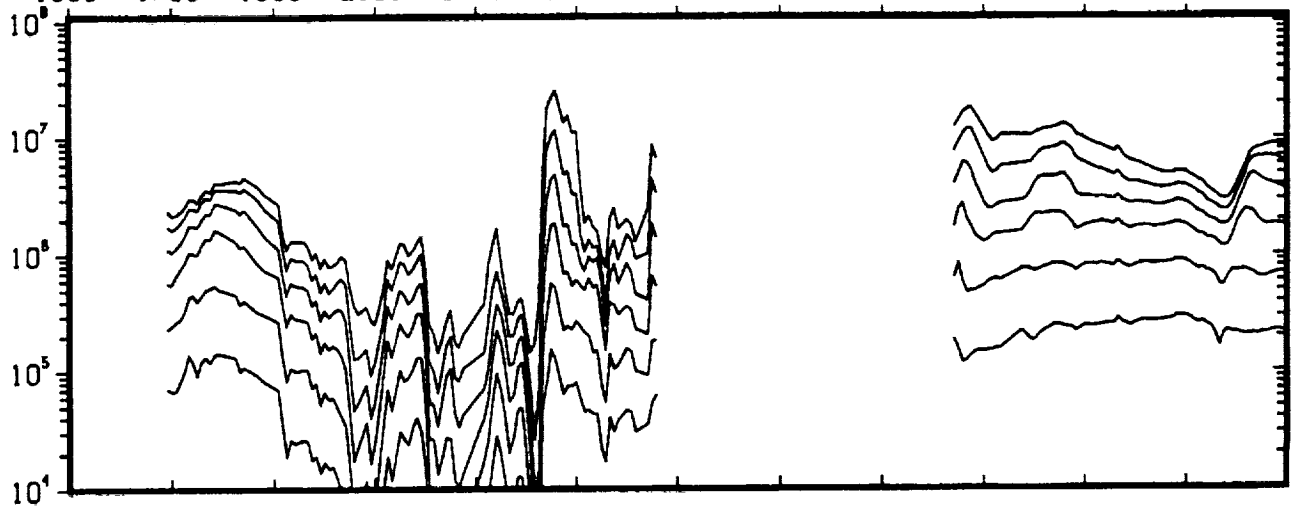
83/08/21

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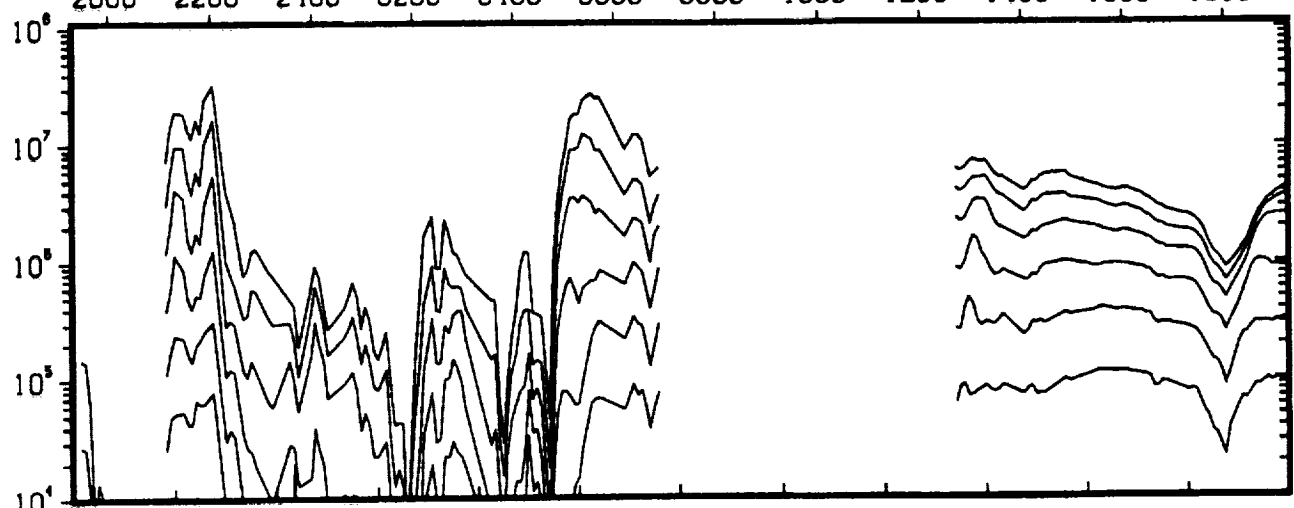
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



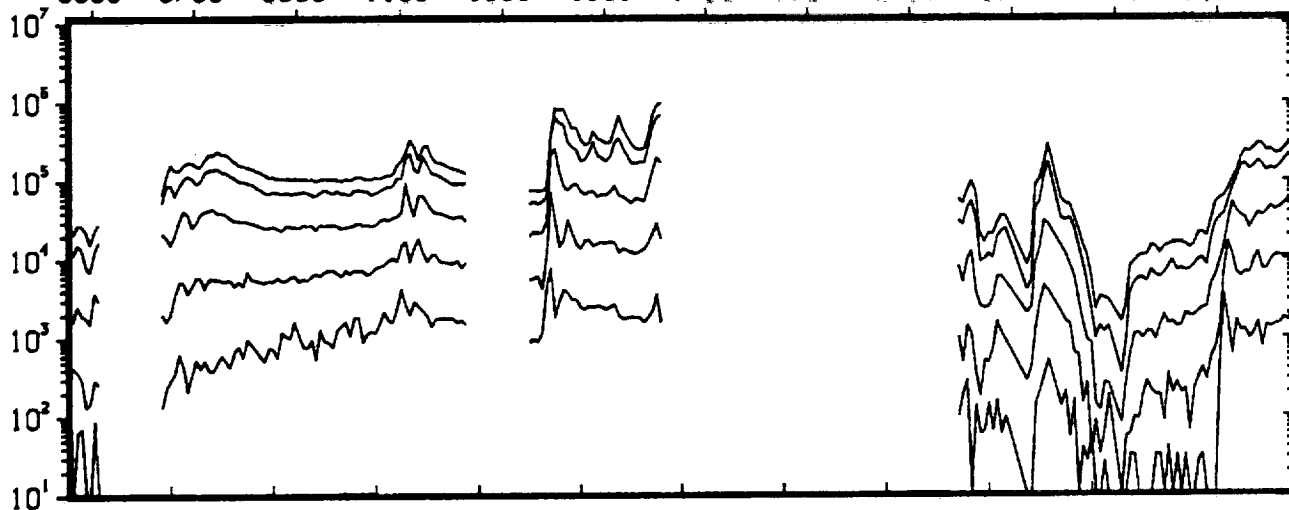
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/08/21

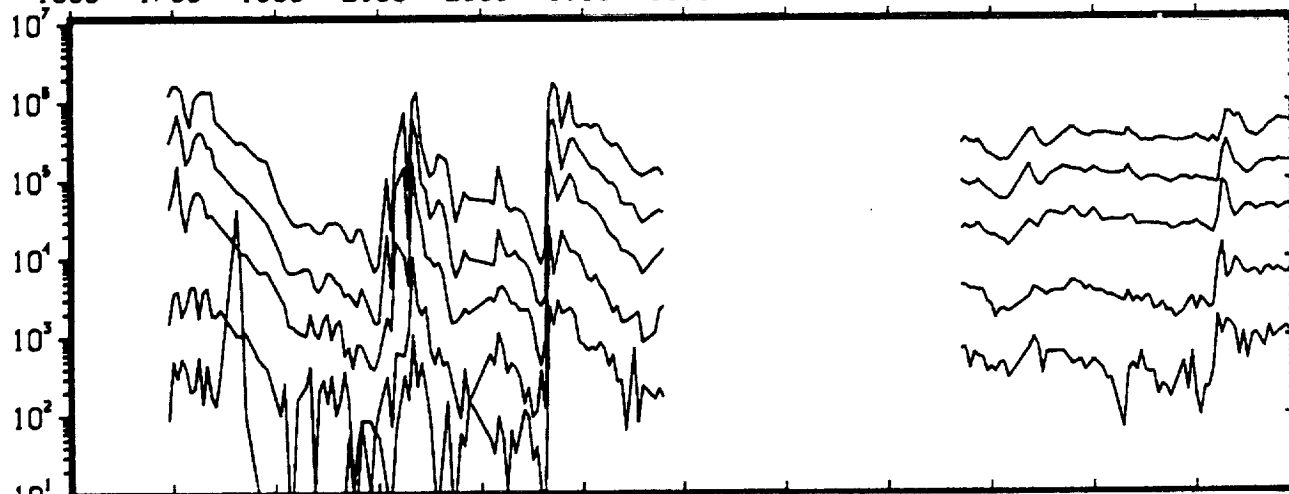
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1981-025

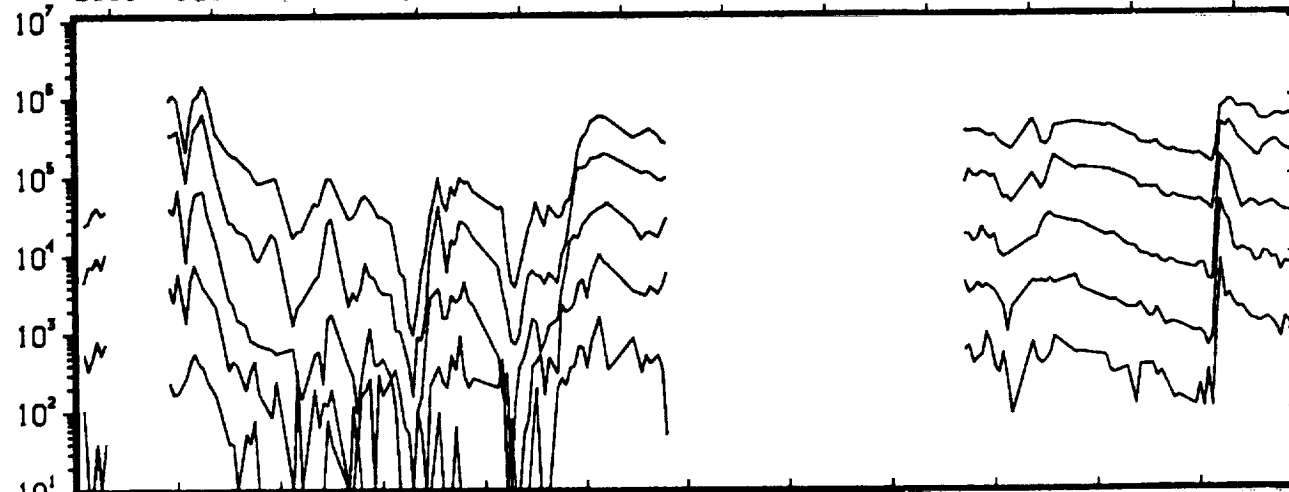
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



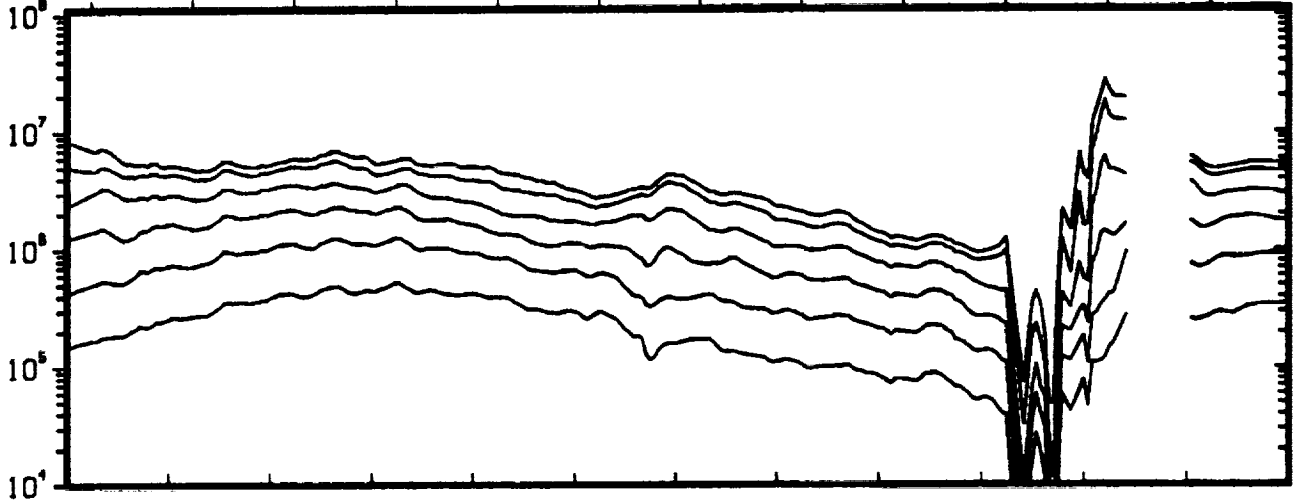
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

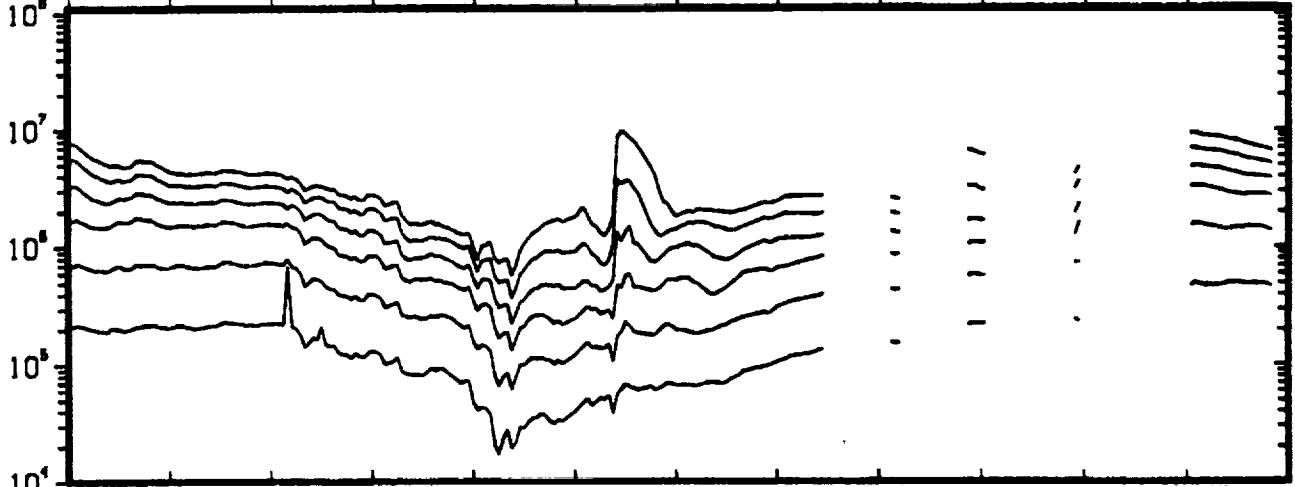
83/08/22

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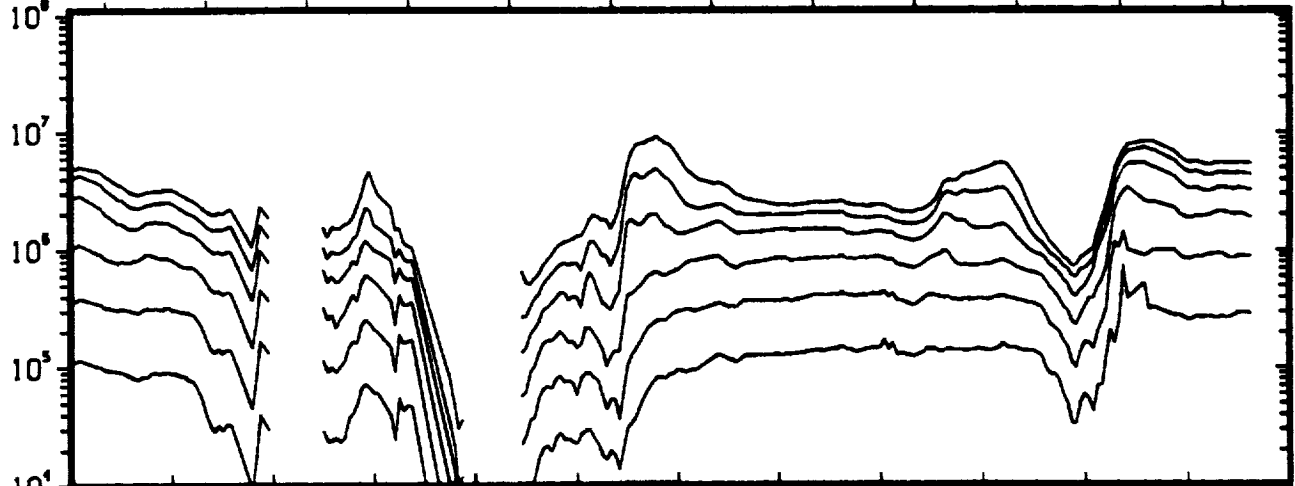
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



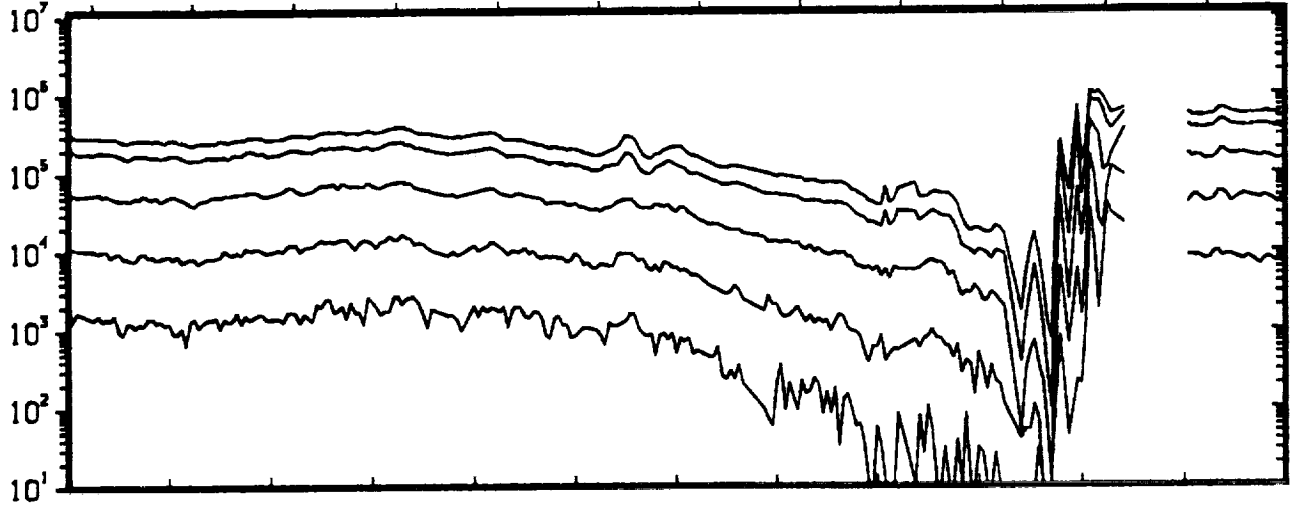
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

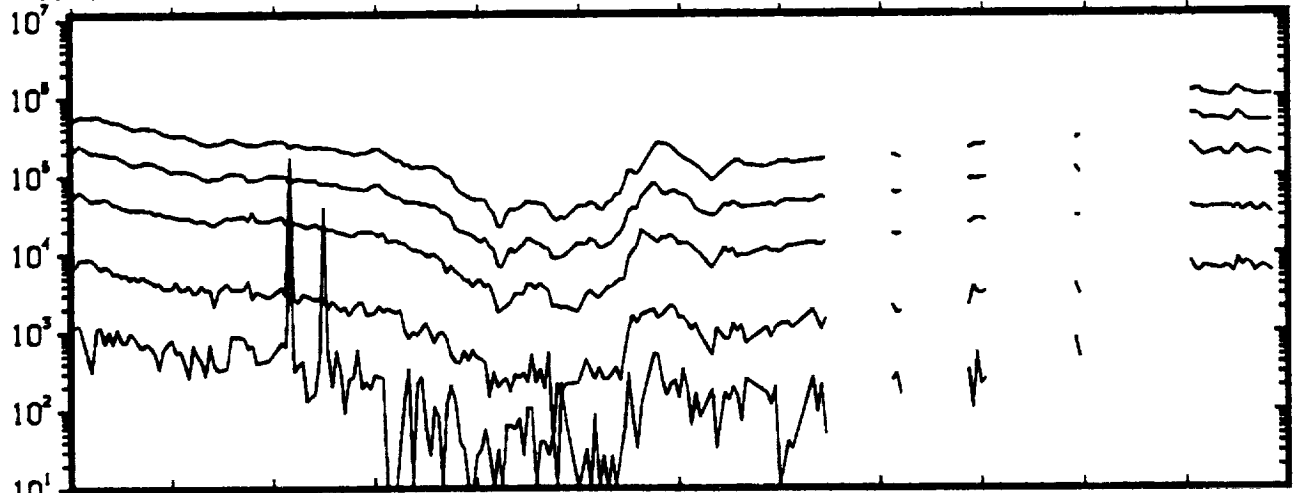
83/08/22

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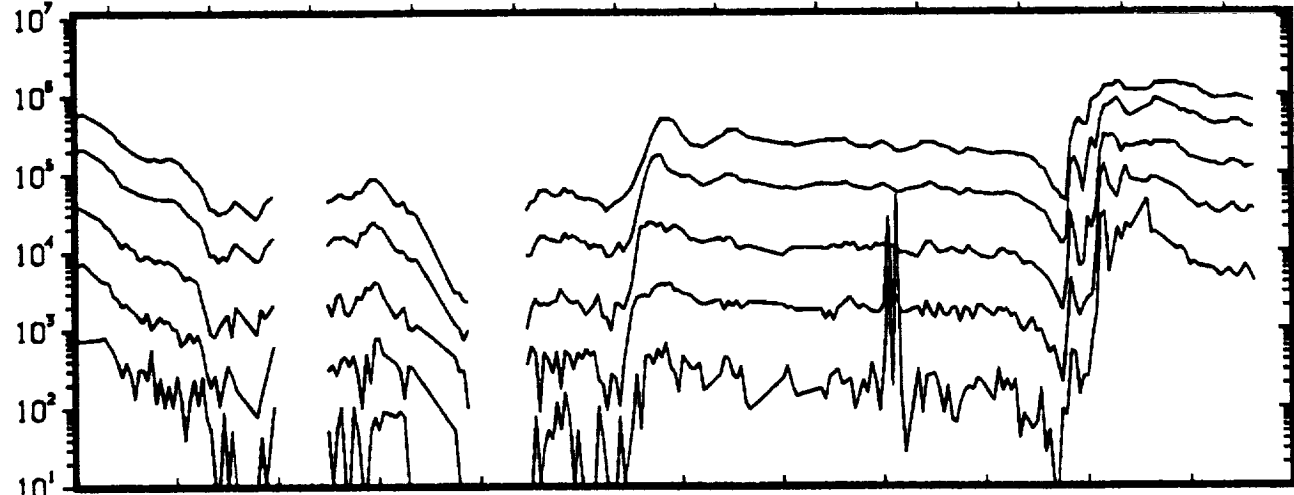
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



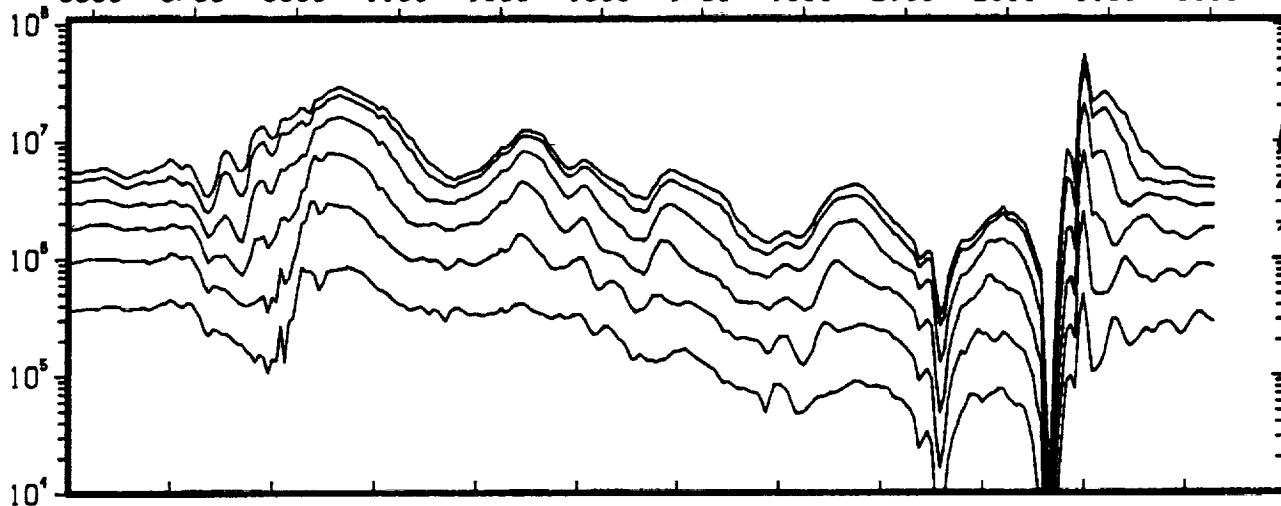
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

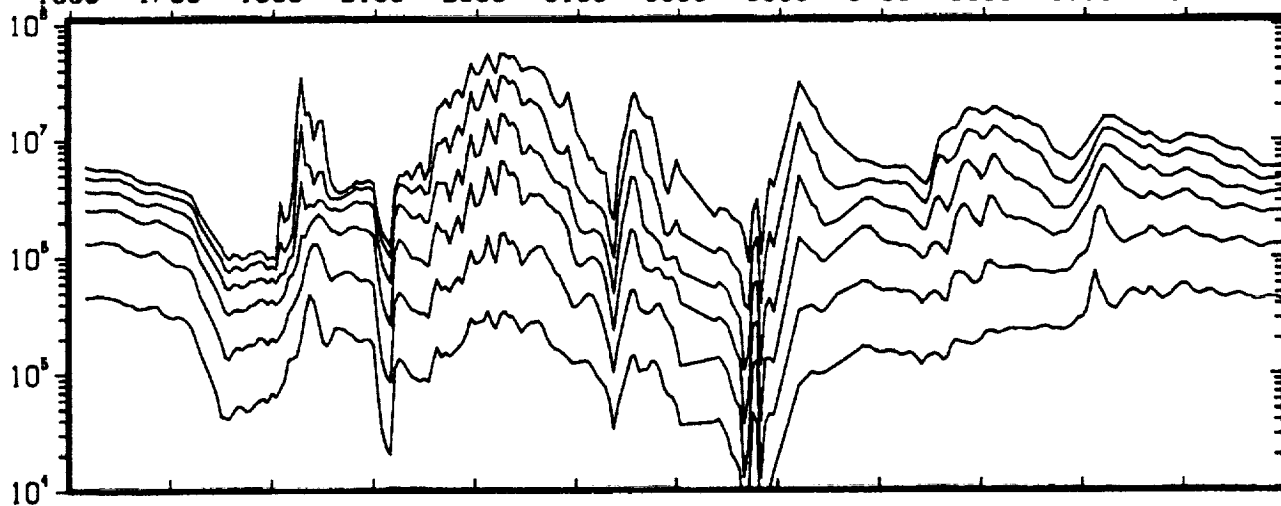
83/08/23

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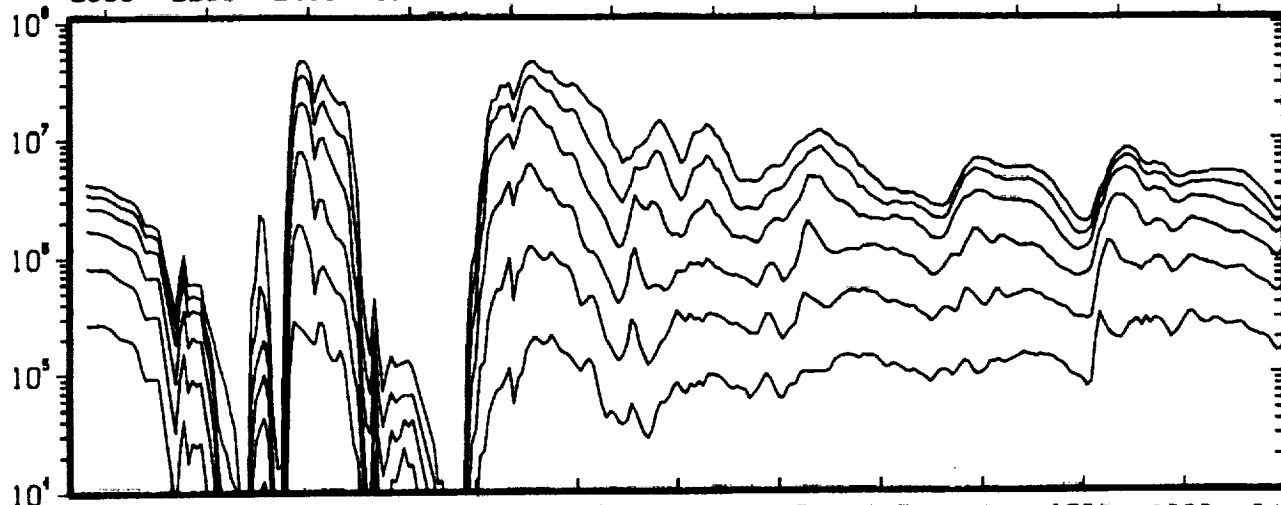
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



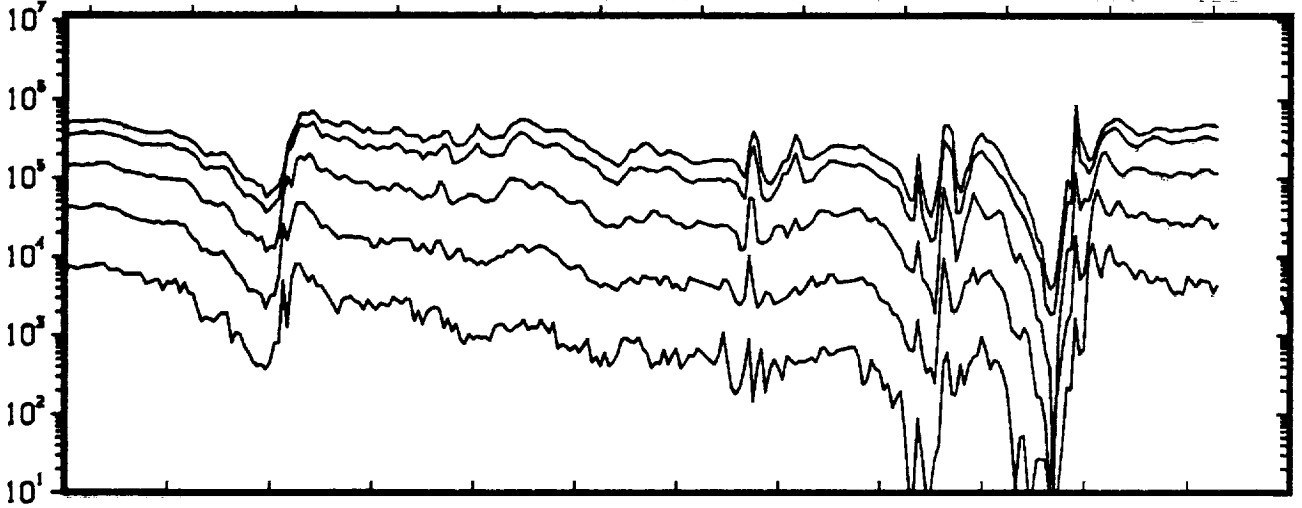
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

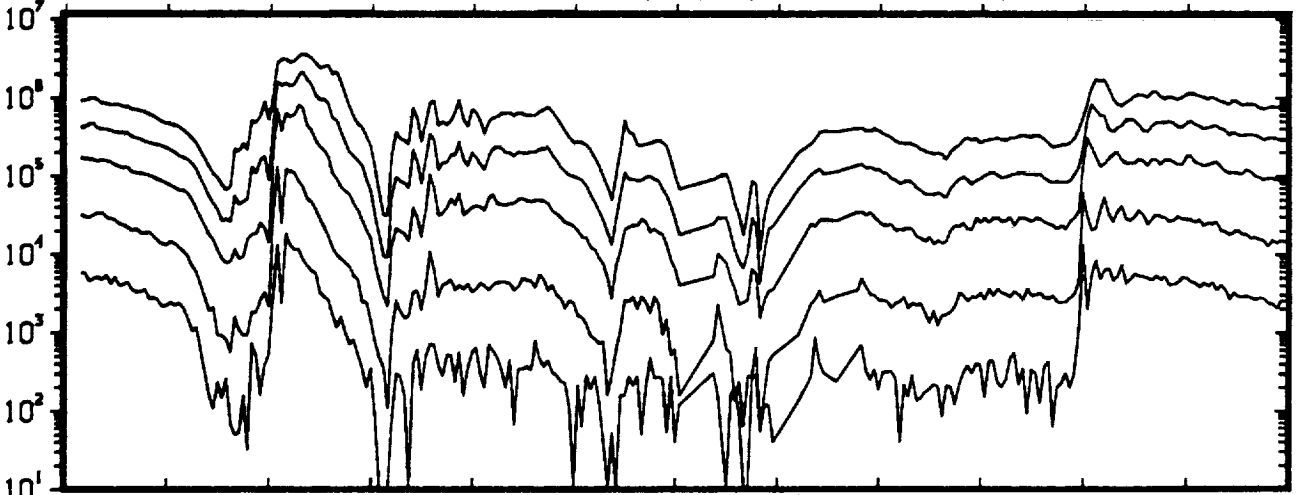
83/08/23

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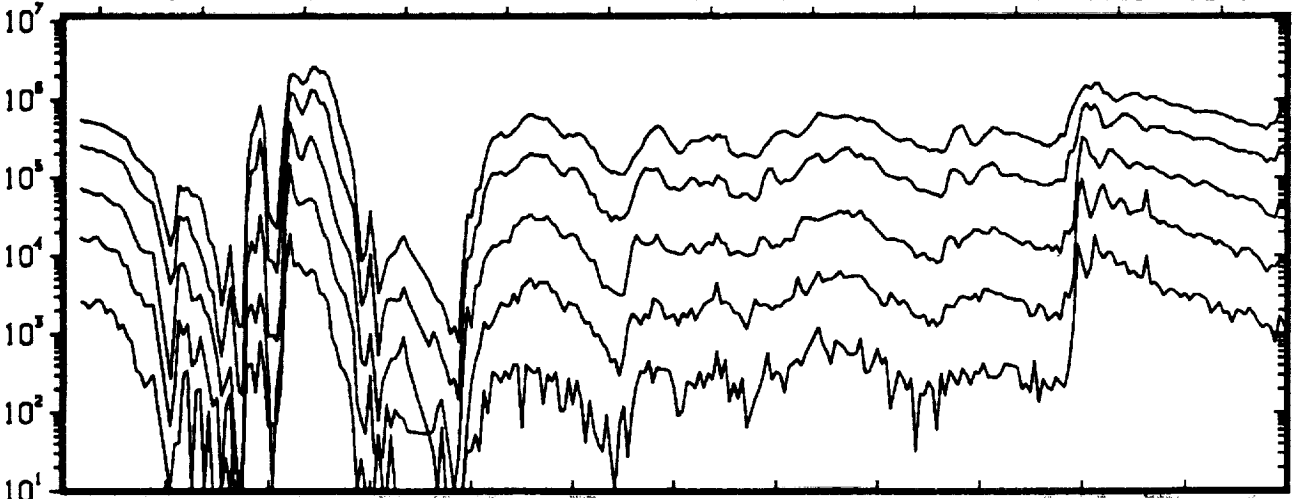
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



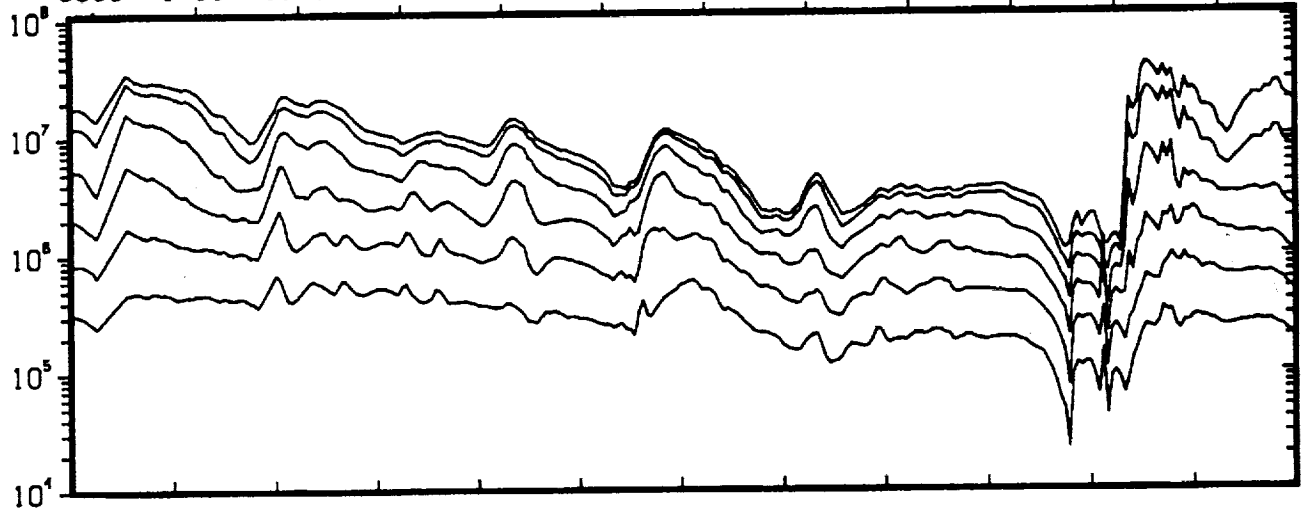
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

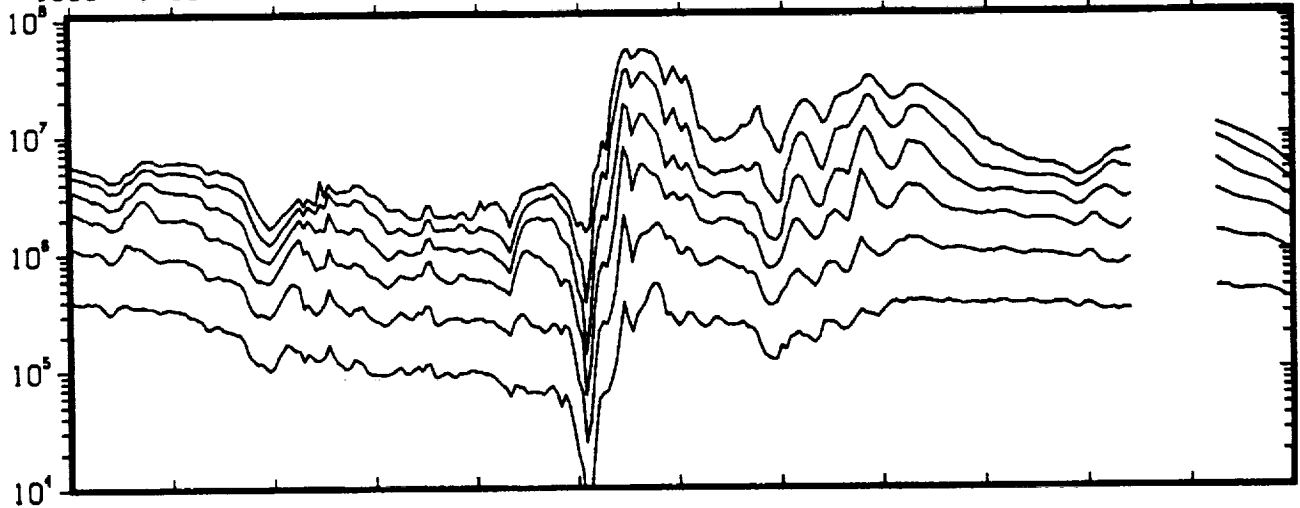
83/08/24

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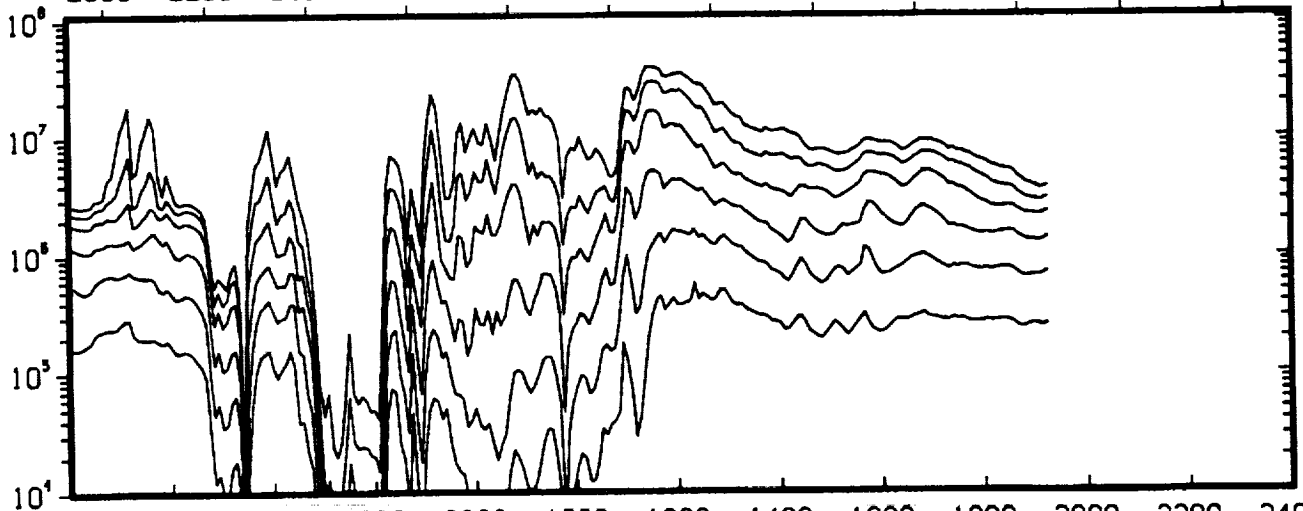
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

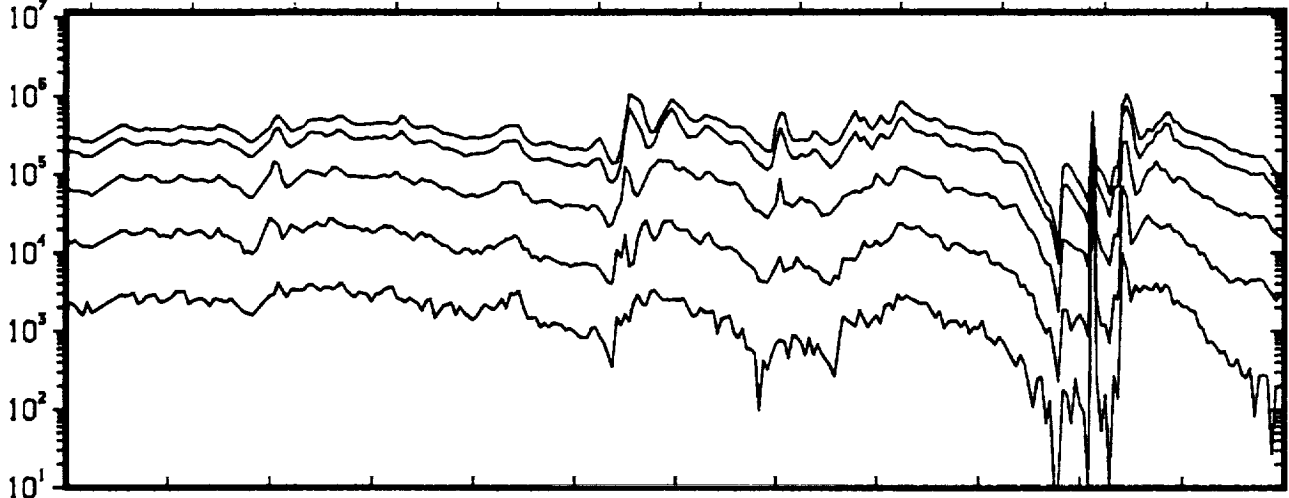


# LOW ENERGY IONS

1977-007

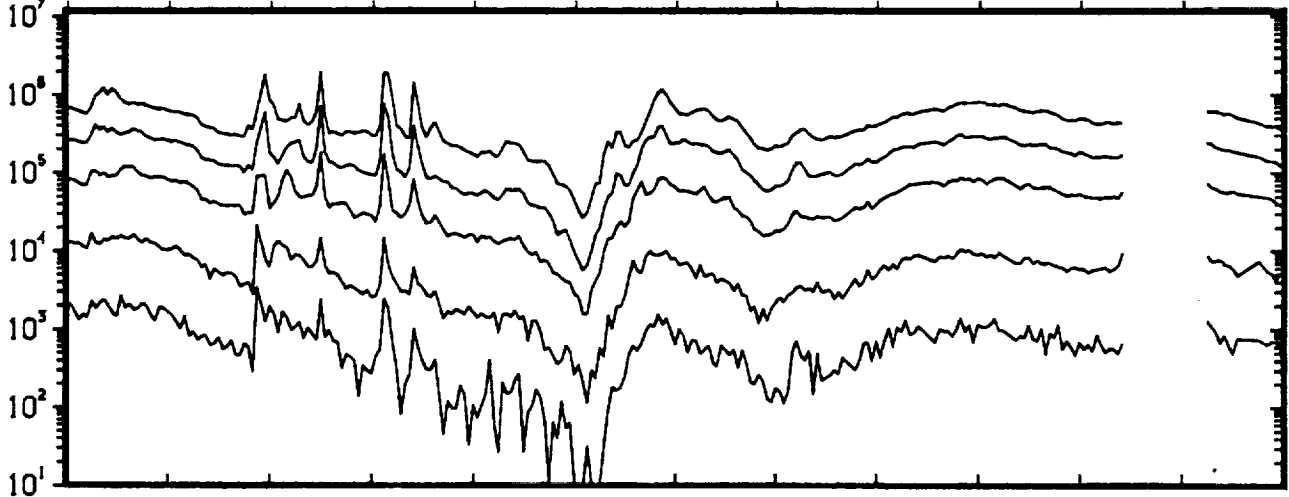
83/08/24

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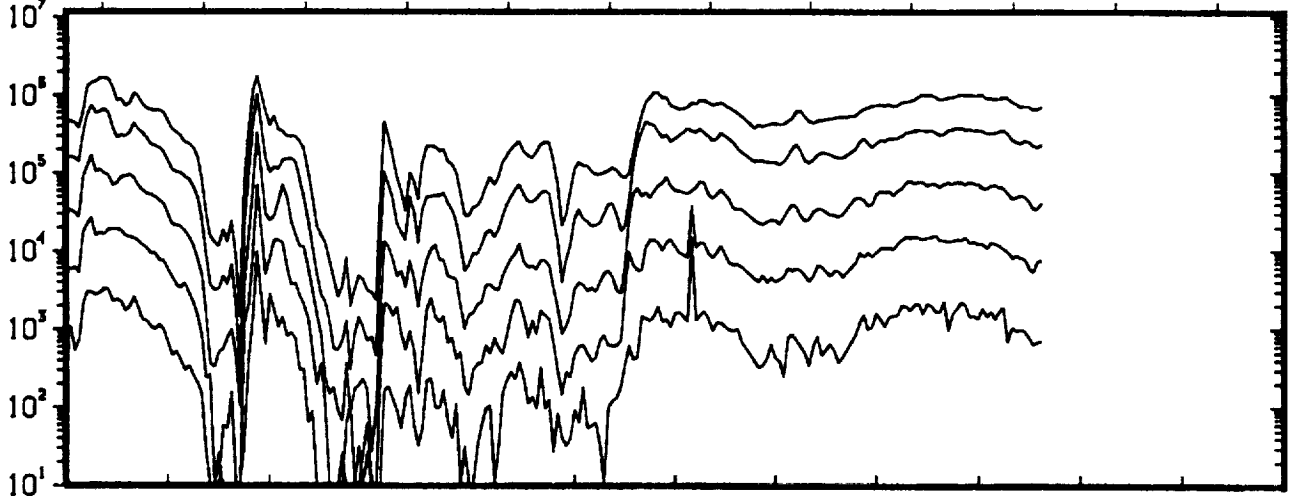
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



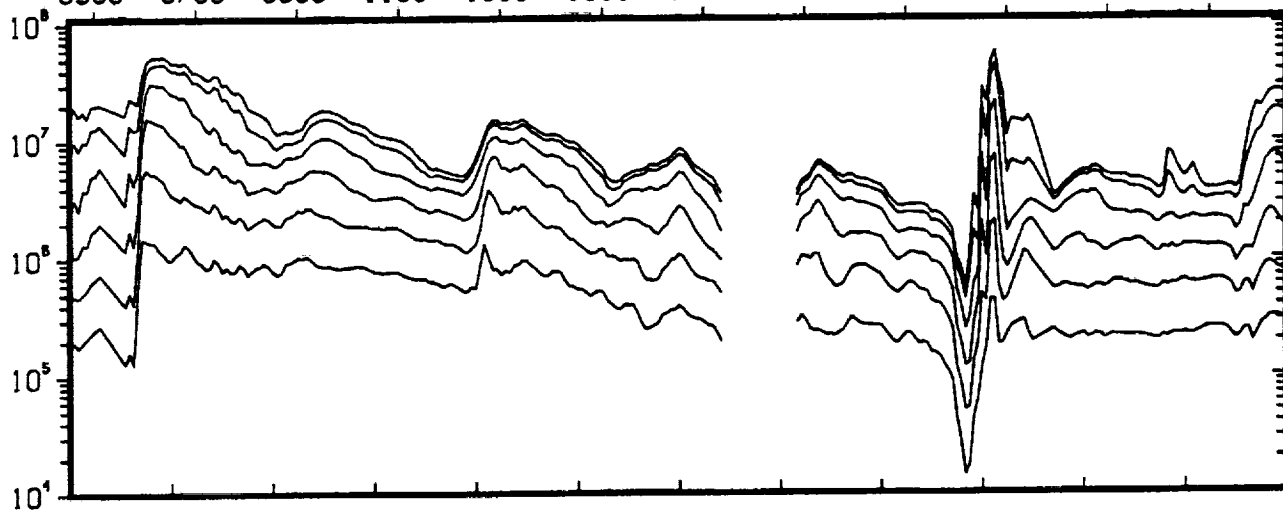
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

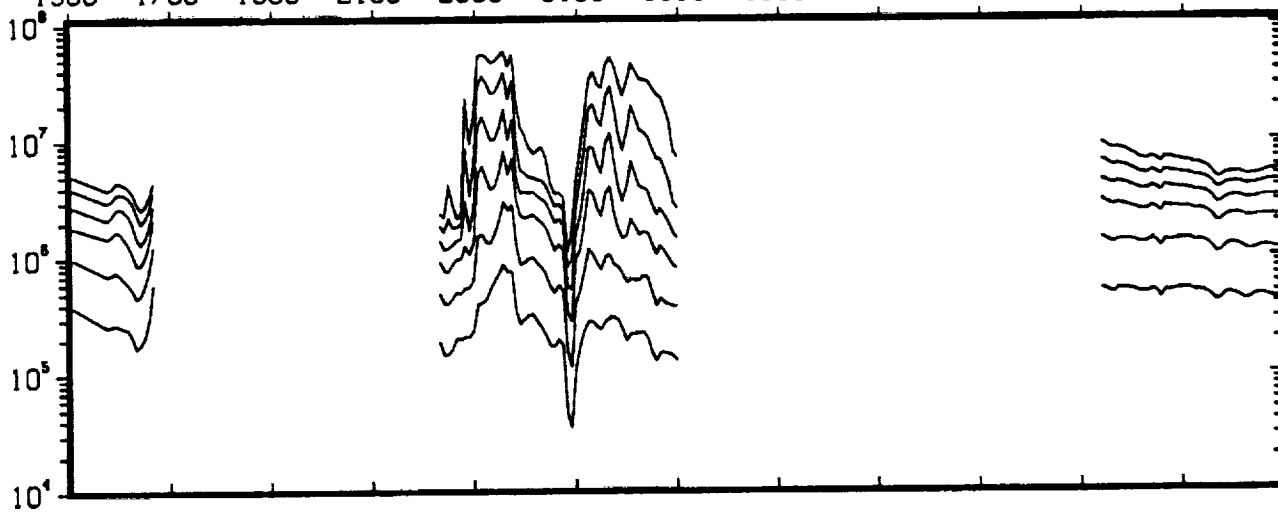
83/08/25

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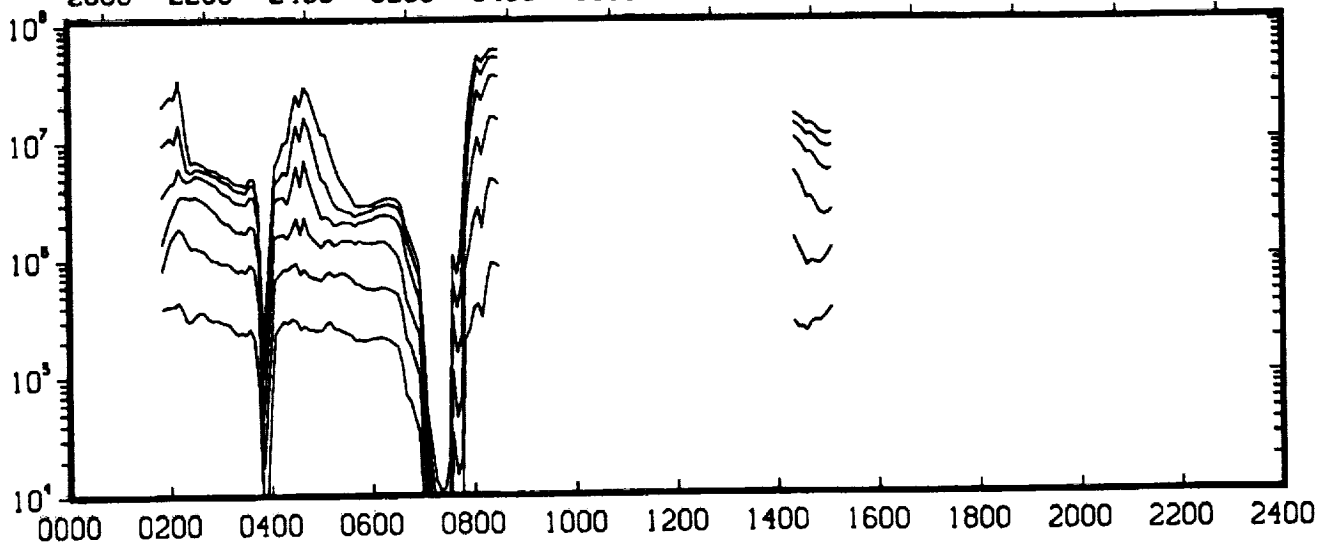
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



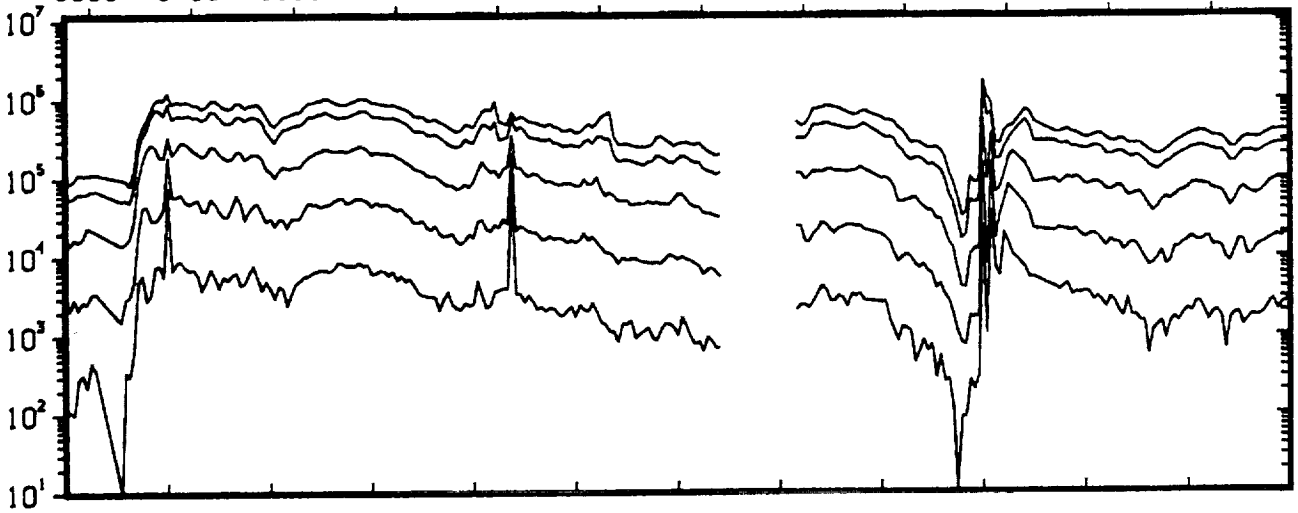
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

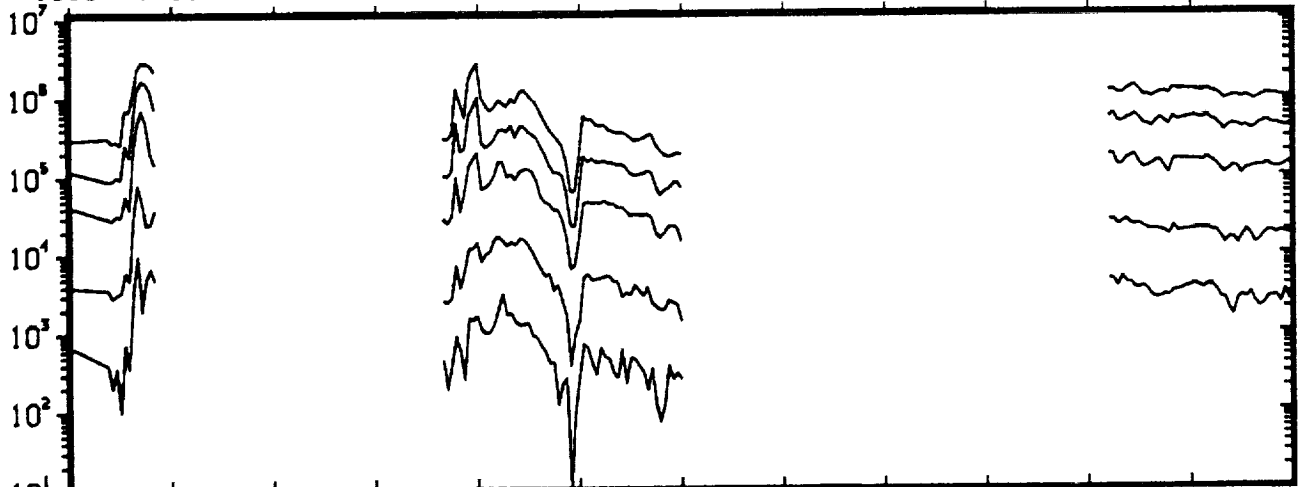
83/08/25

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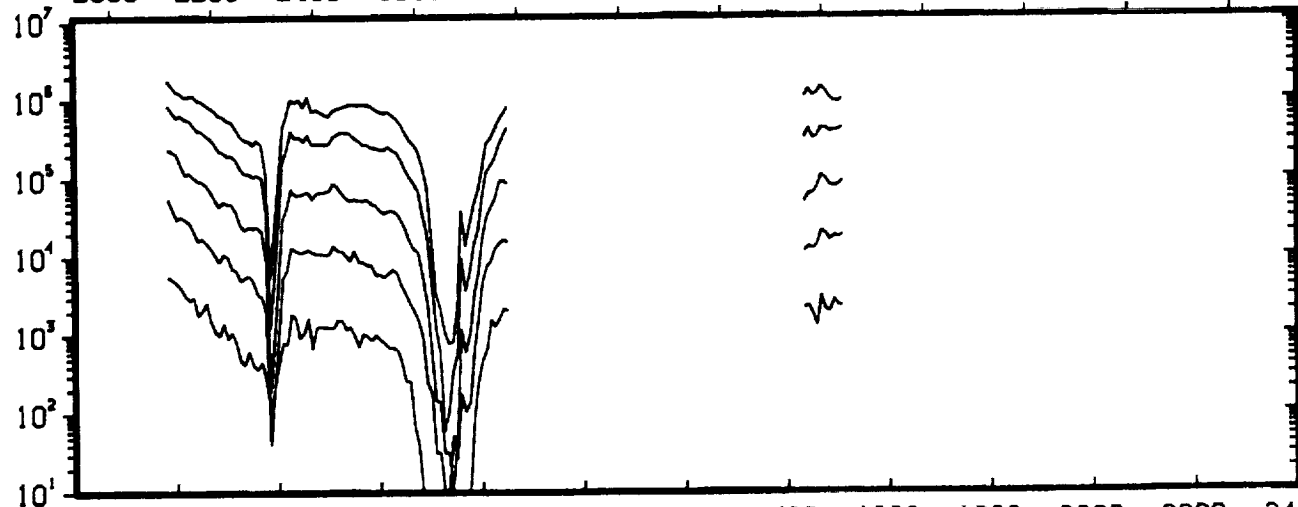
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



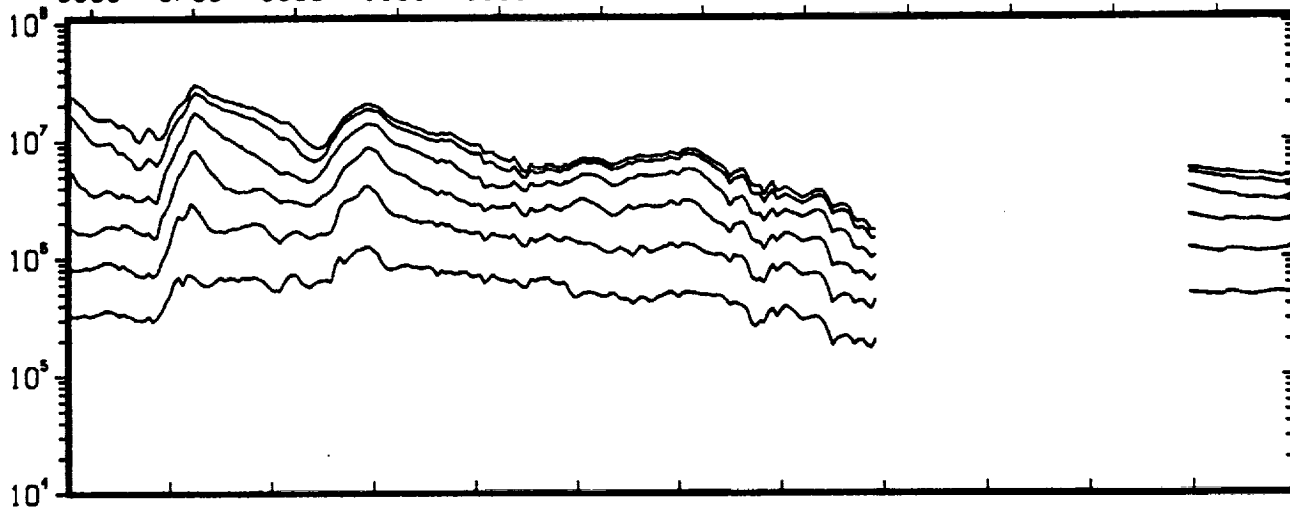
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

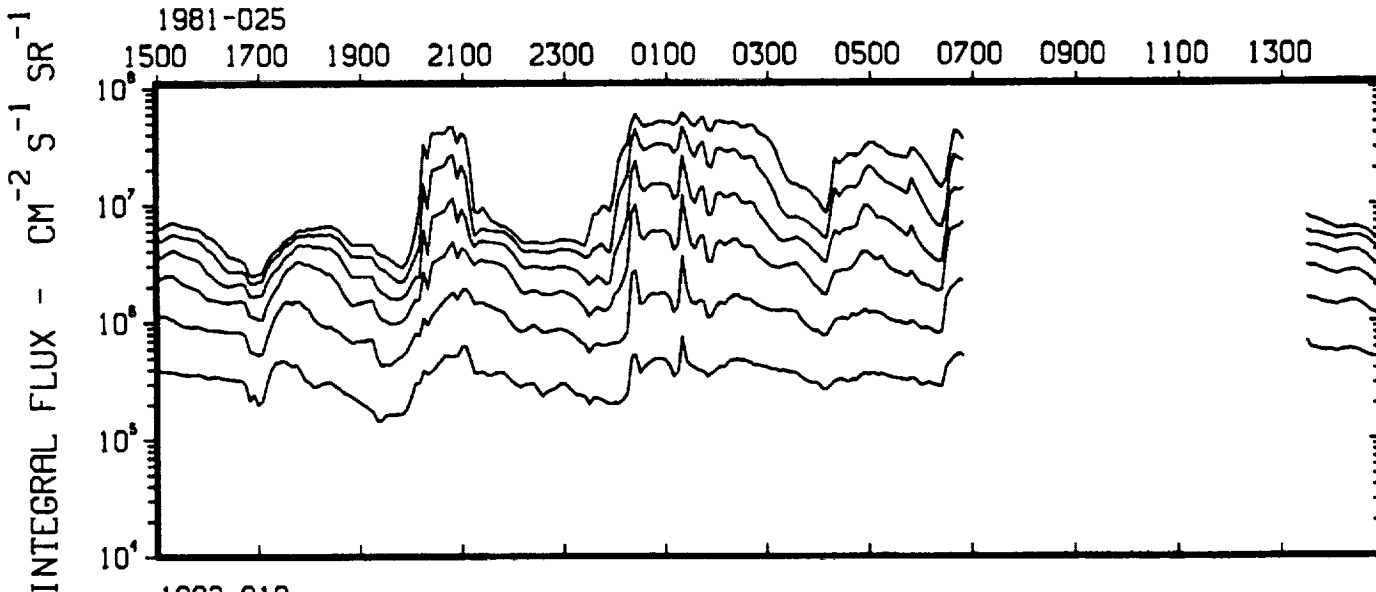
83/08/26

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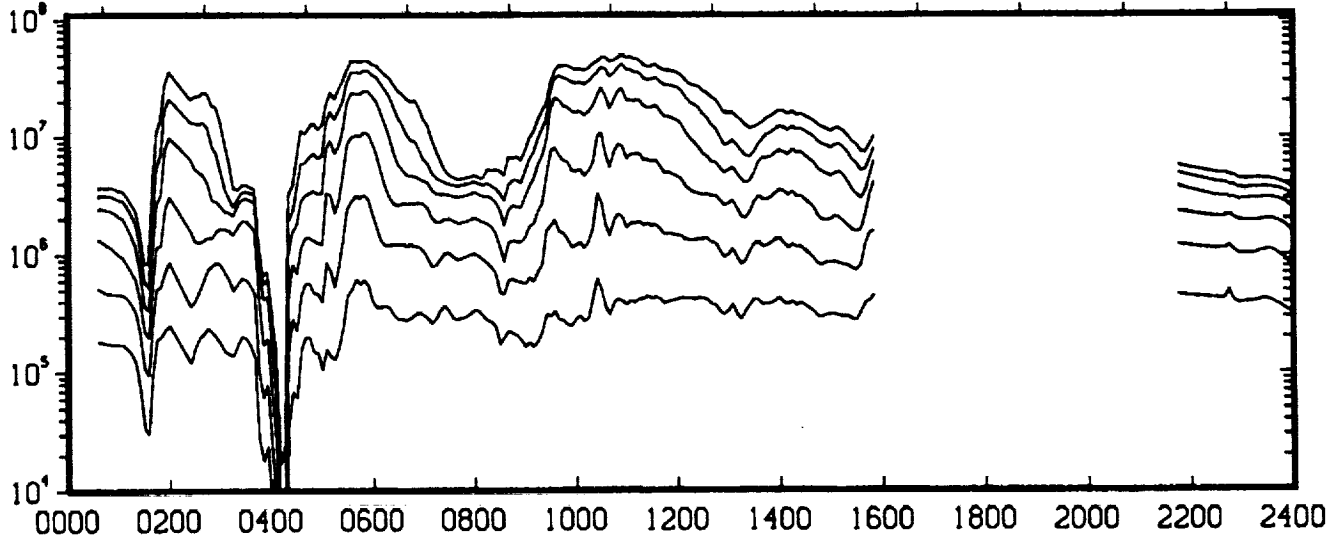
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

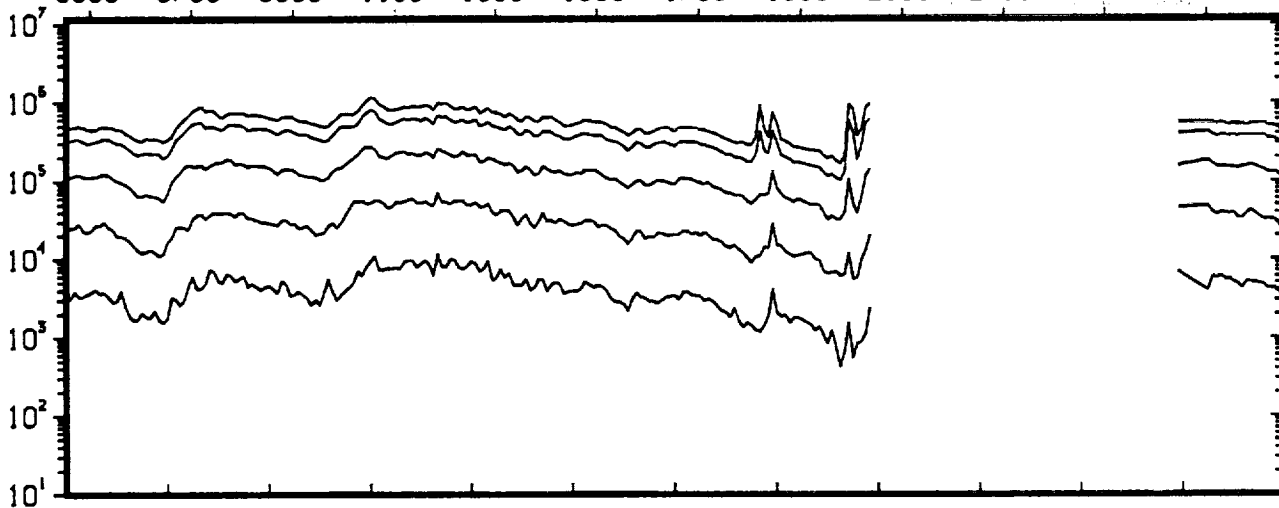


# LOW ENERGY IONS

1977-007

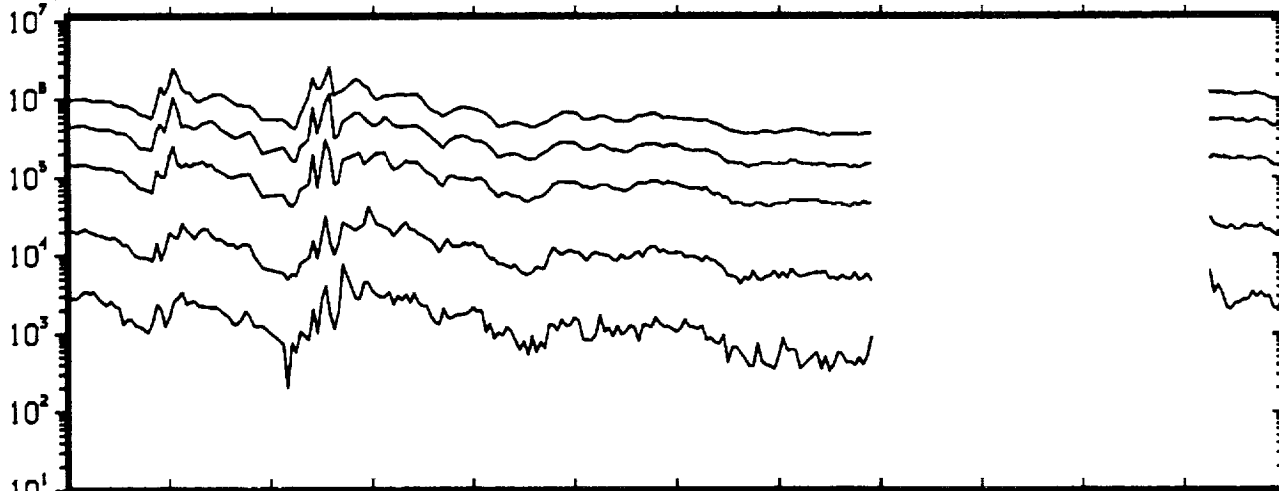
83/08/26

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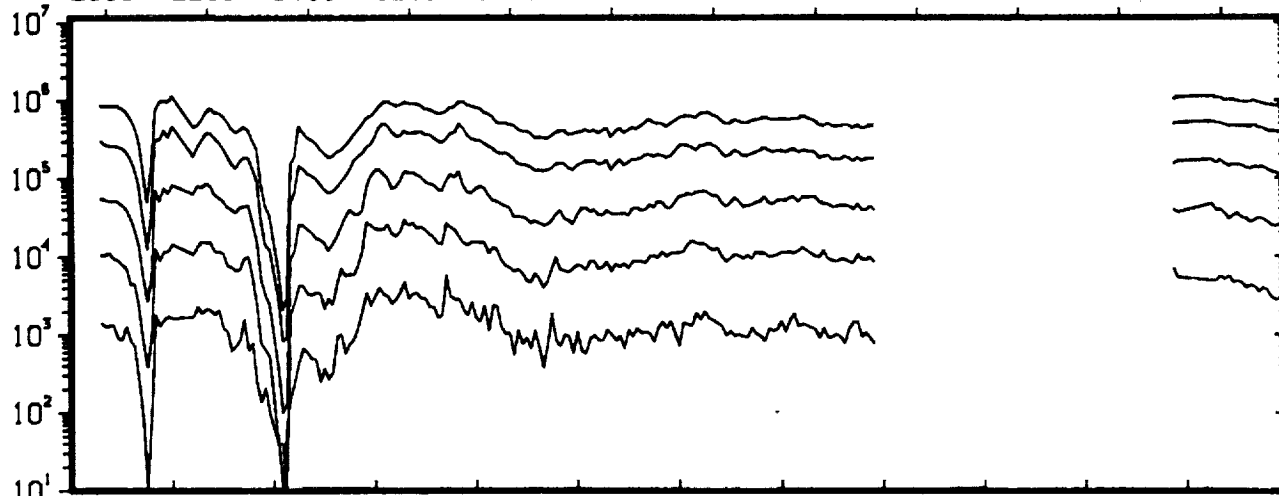
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



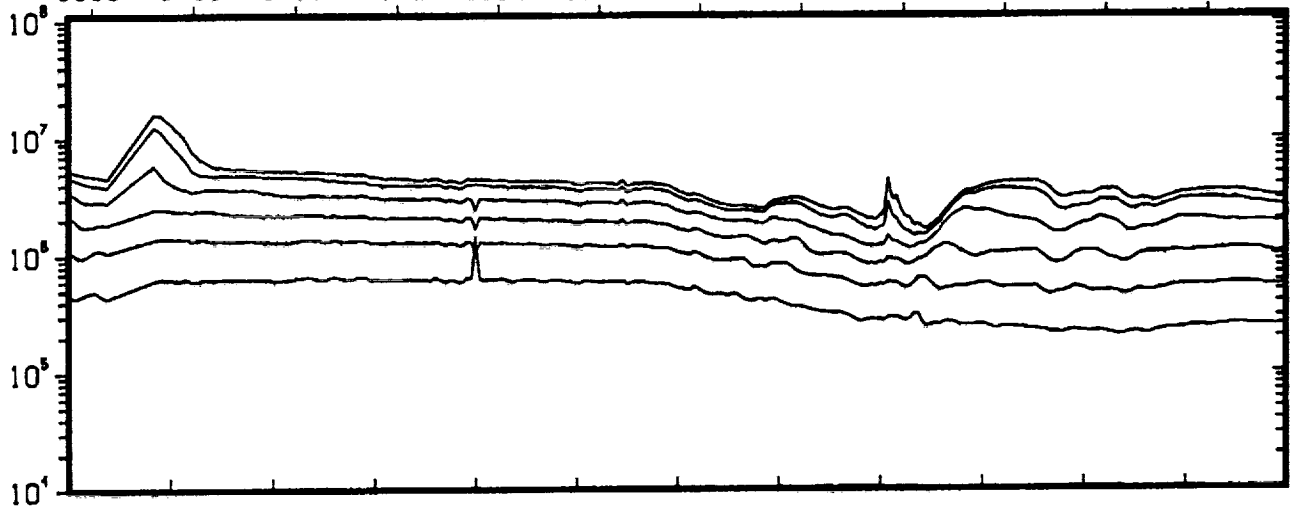
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

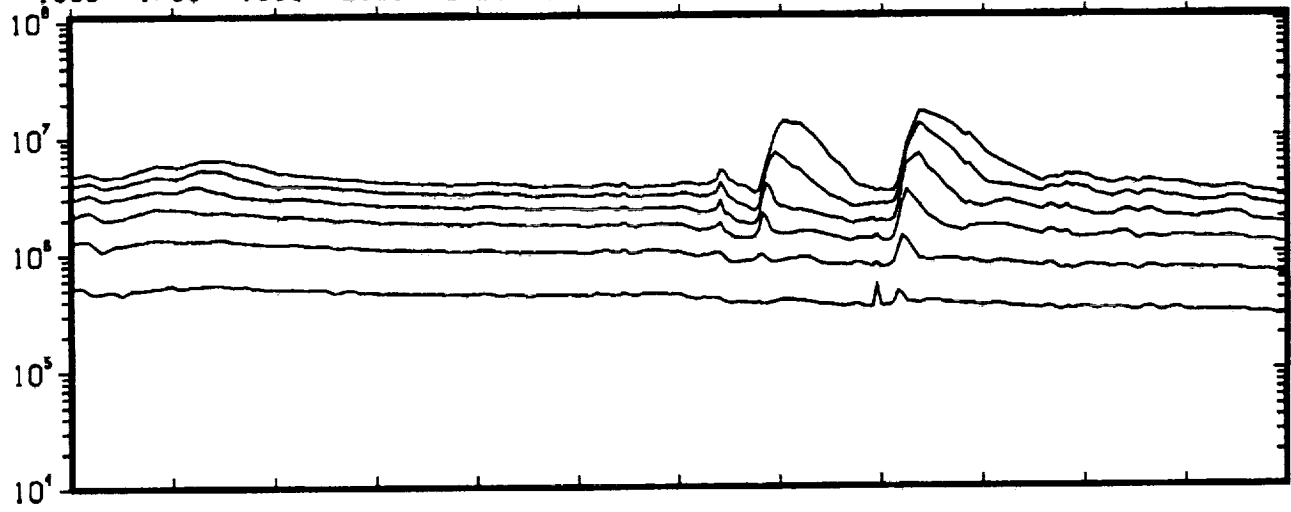
83/08/27

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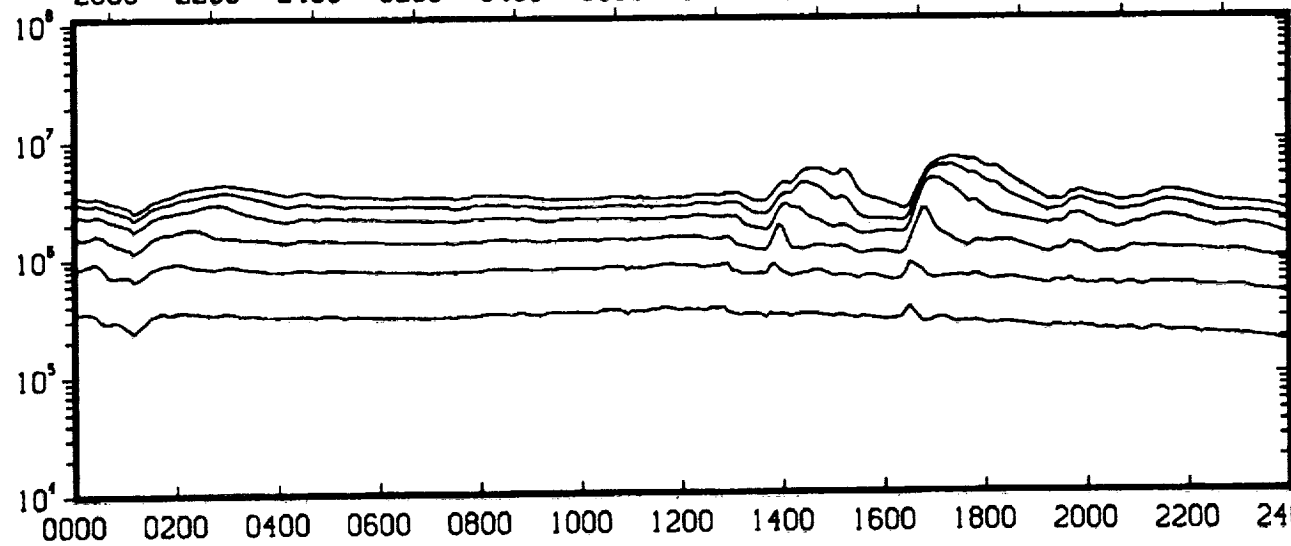
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

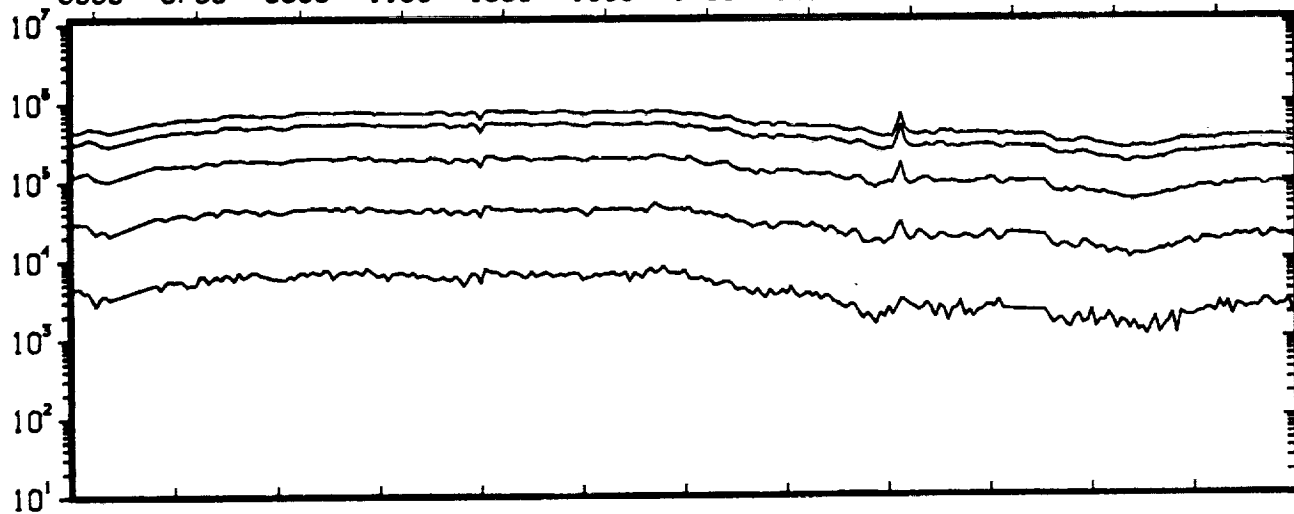
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

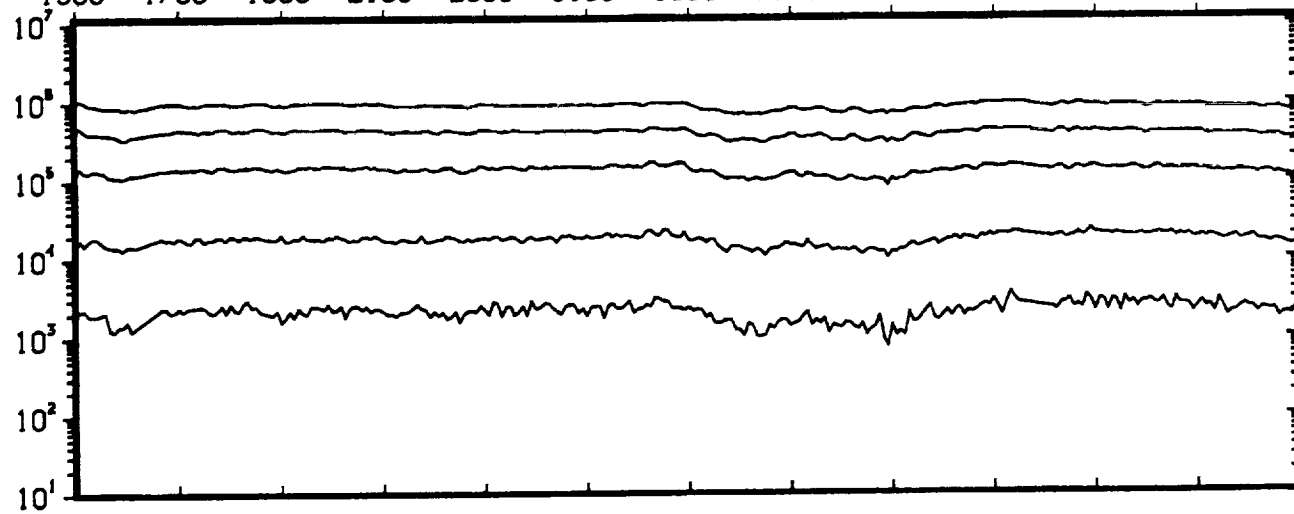
# LOW ENERGY IONS

1977-007 83/08/27  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

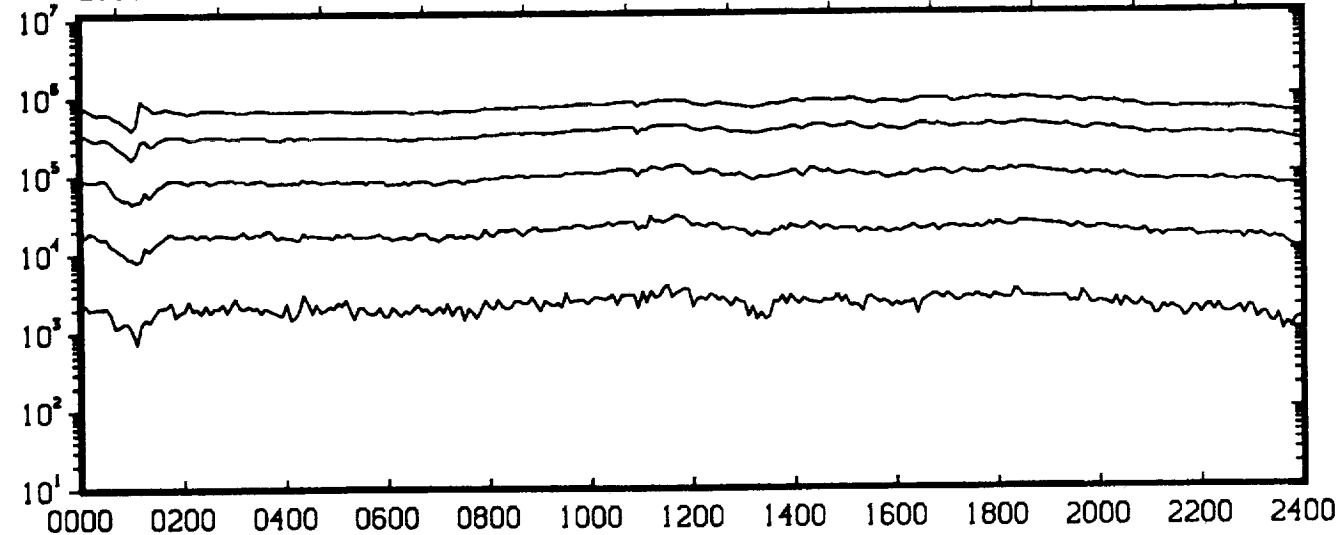


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

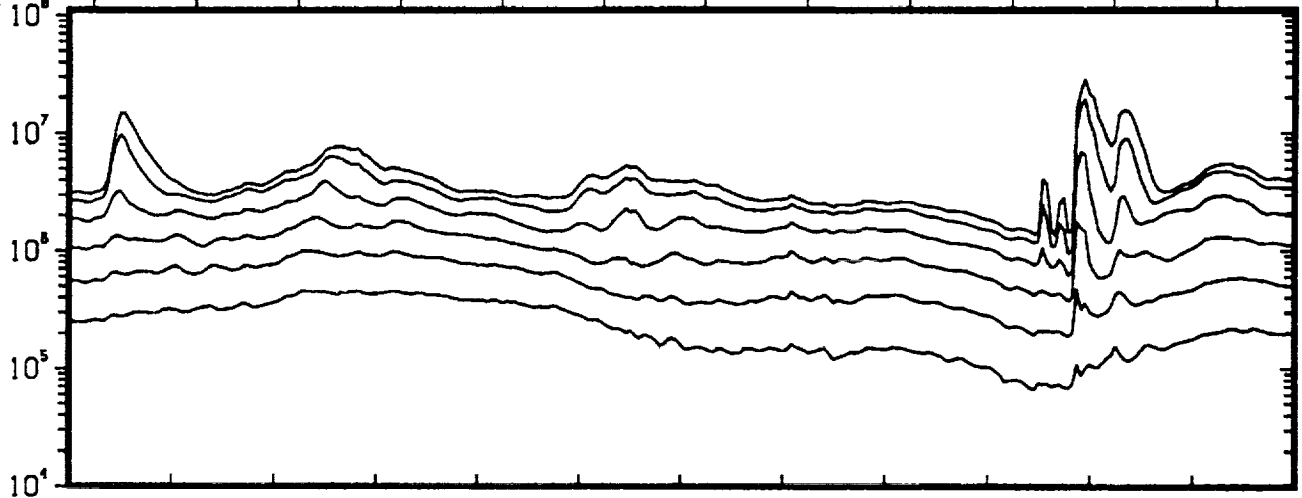


# LOW ENERGY ELECTRONS

1977-007

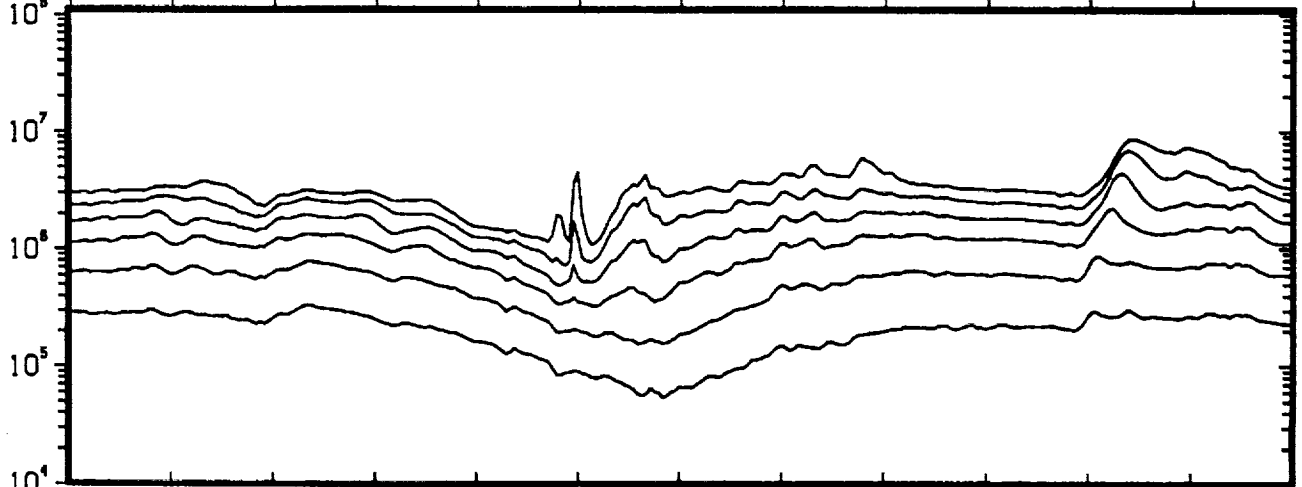
83/08/28

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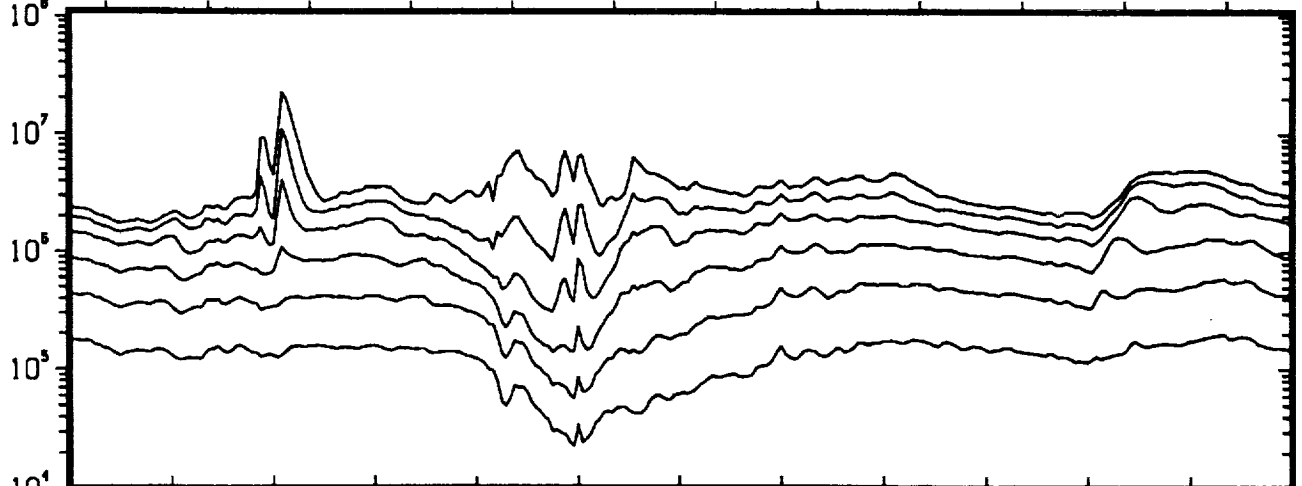
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

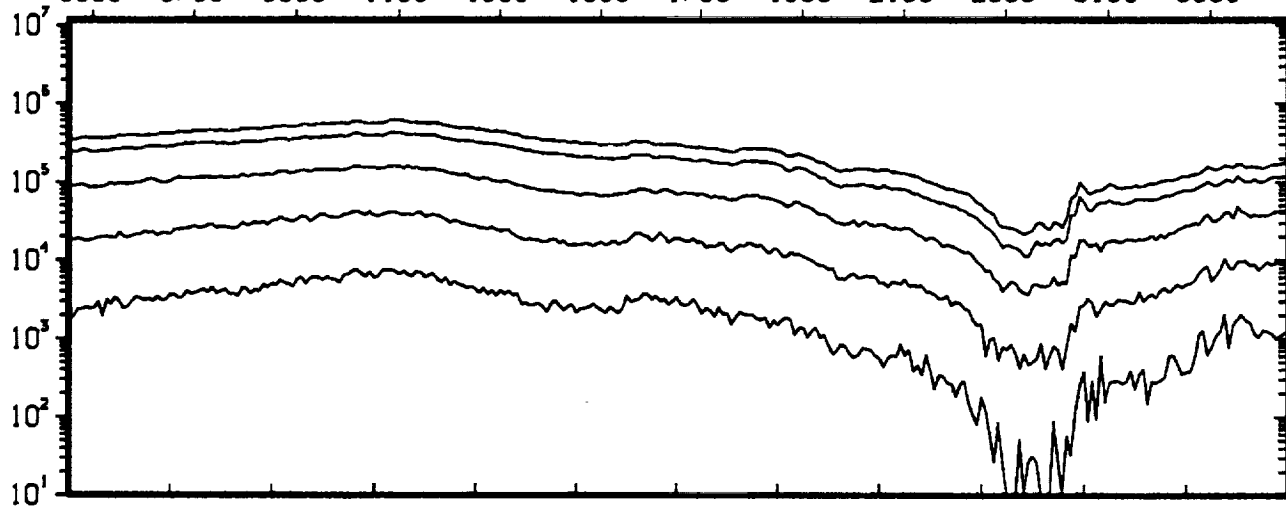


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



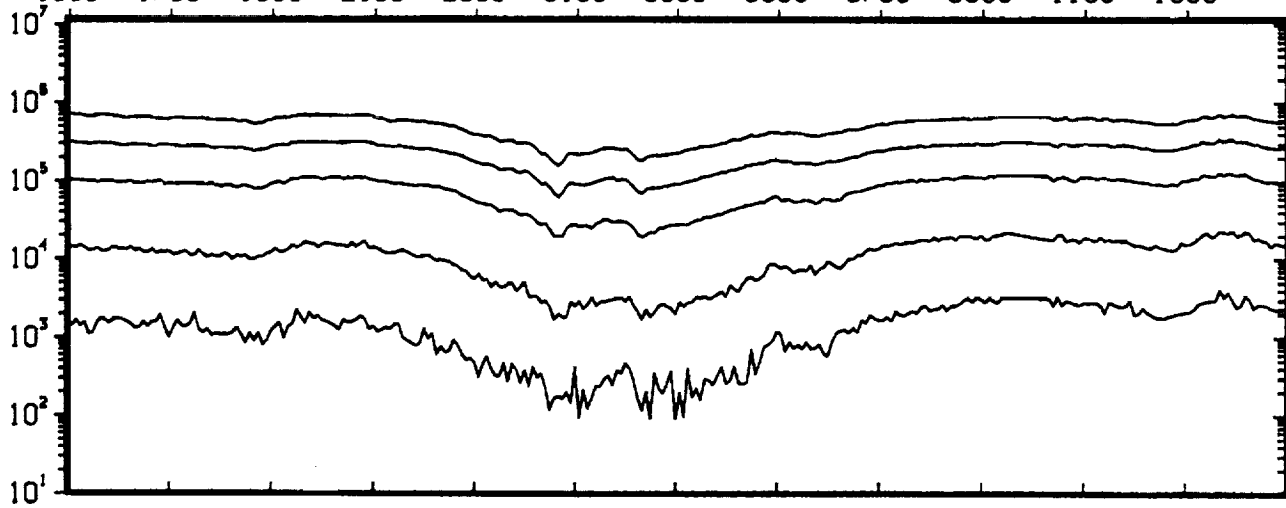
# LOW ENERGY IONS

1977-007 83/08/28  
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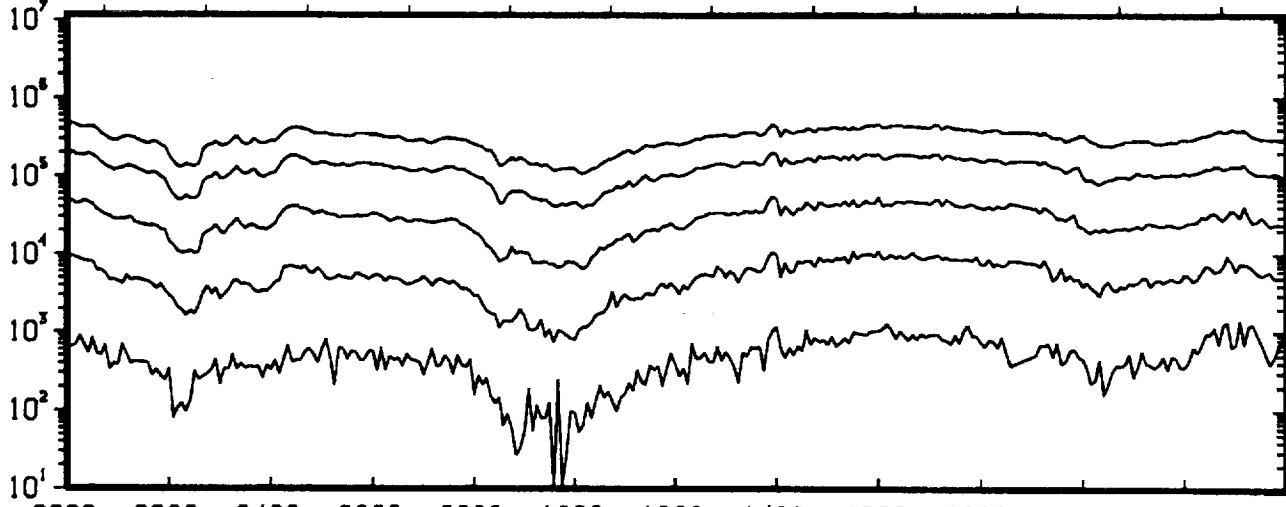


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



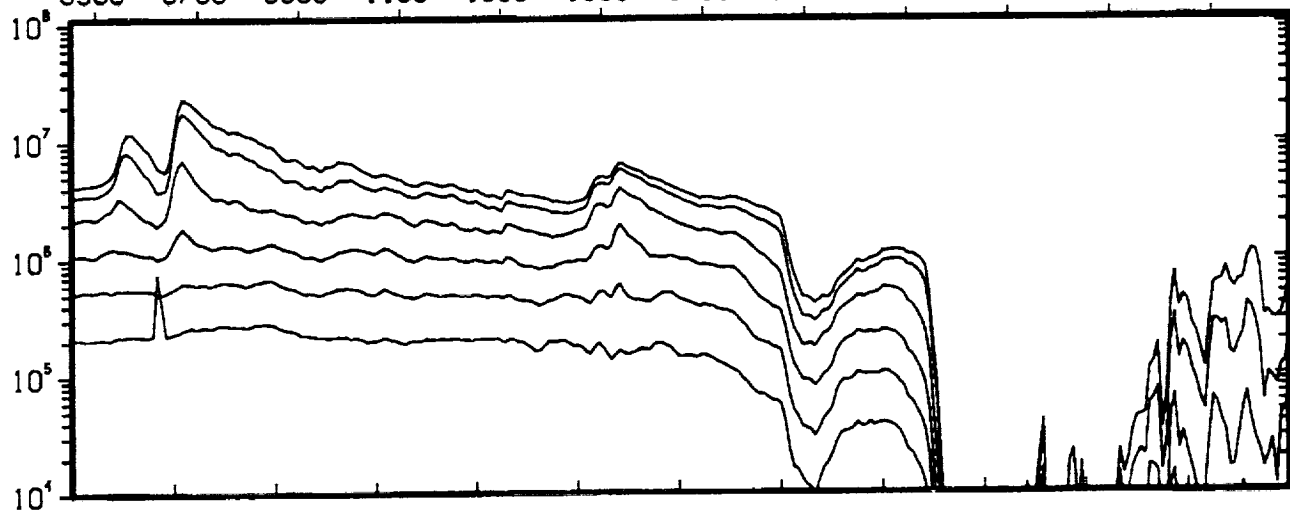
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# LOW ENERGY ELECTRONS

1977-007

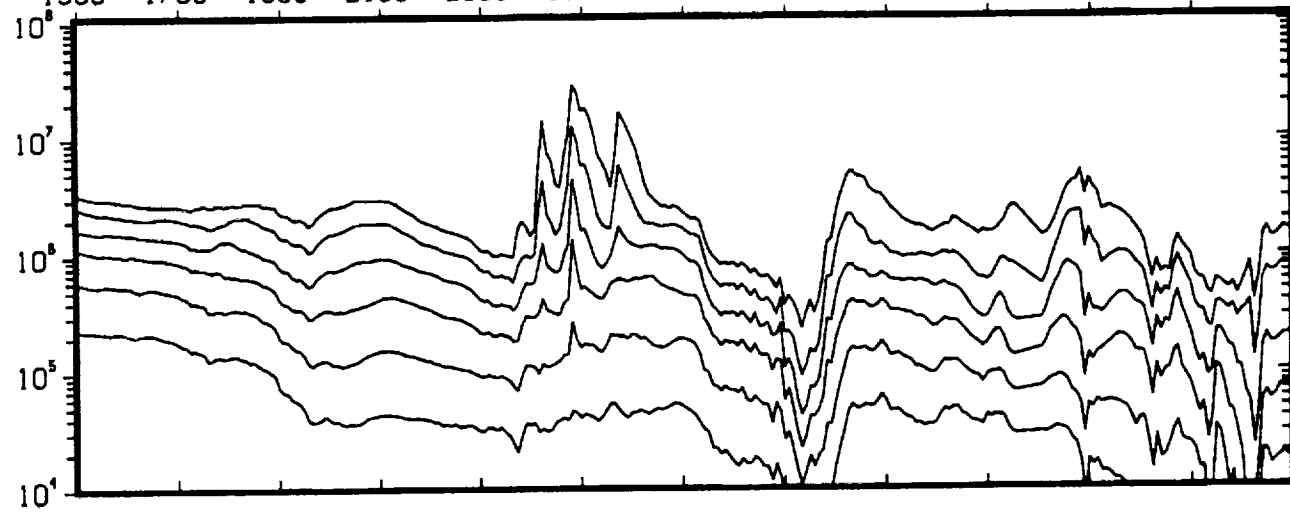
83/08/29

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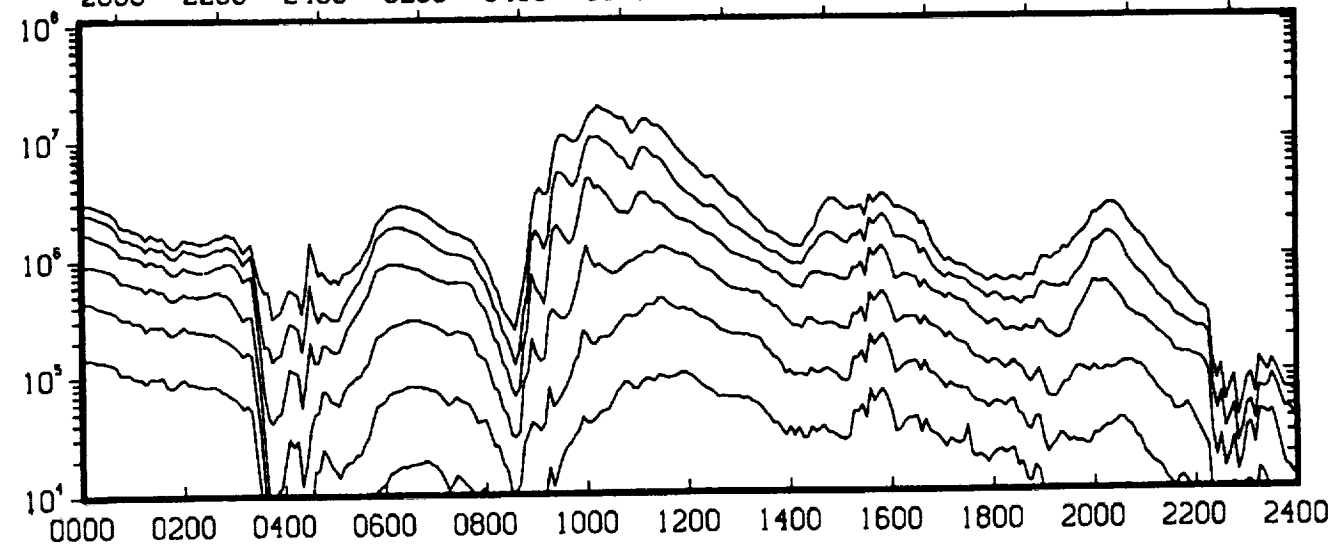
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

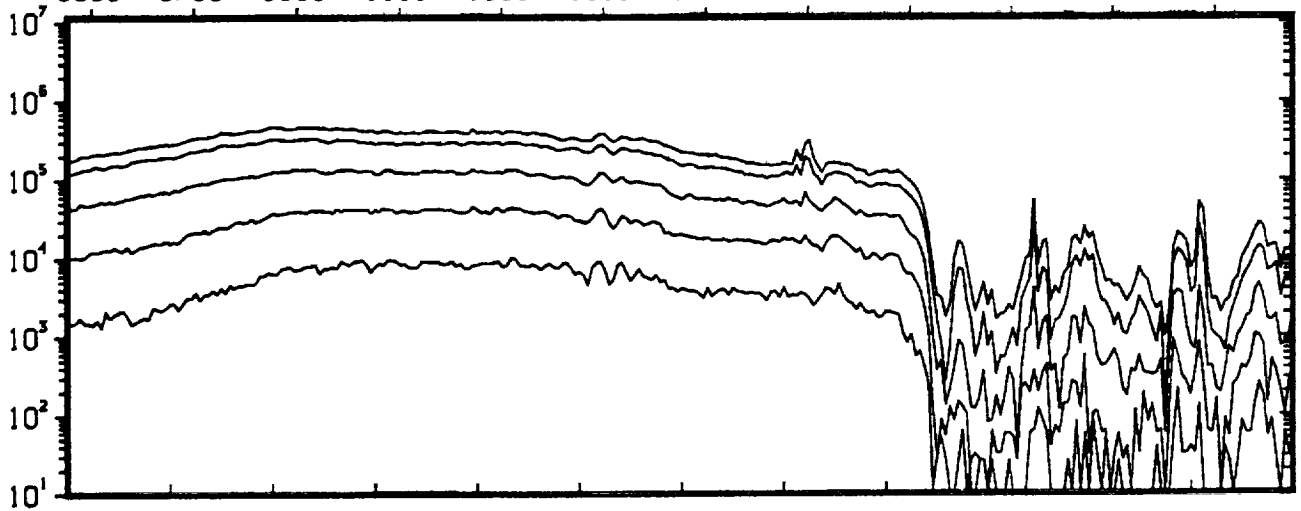
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

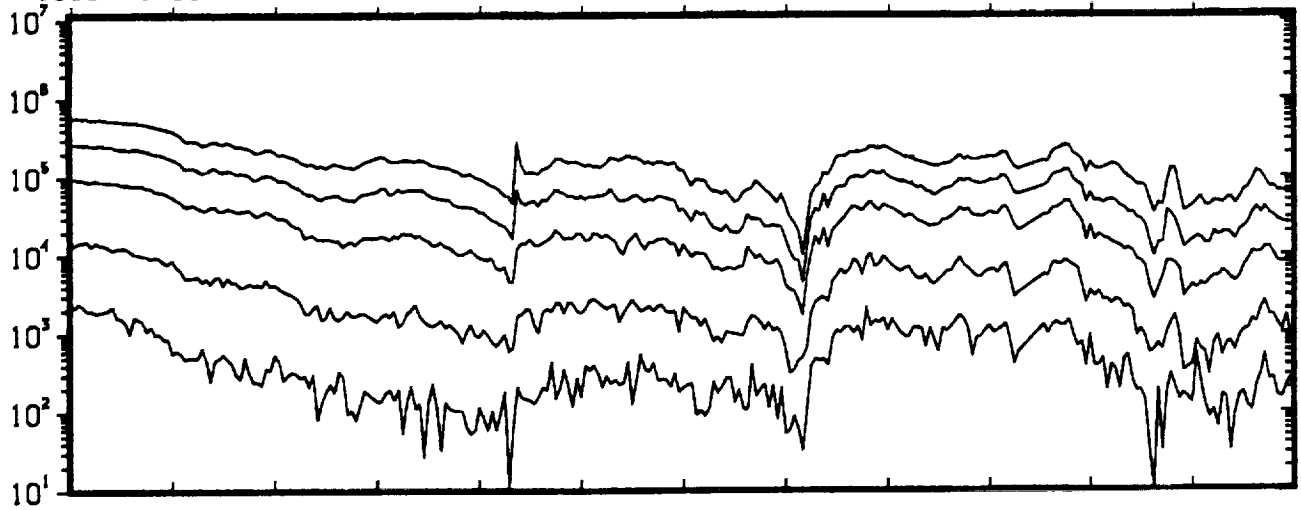
# LOW ENERGY IONS

1977-007 83/08/29  
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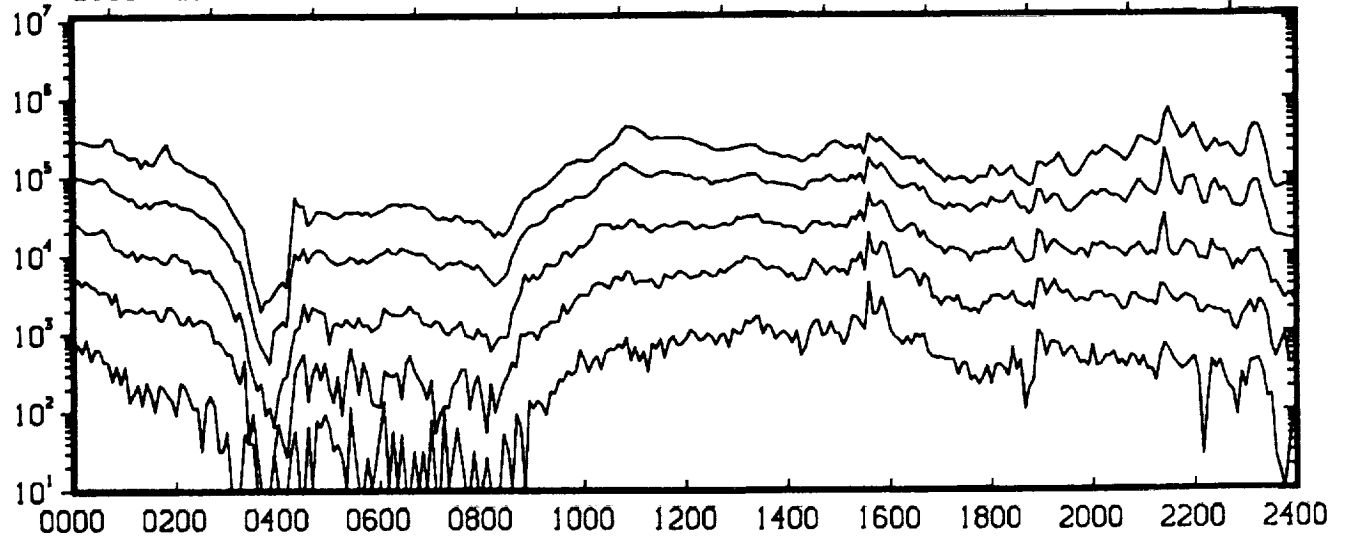


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

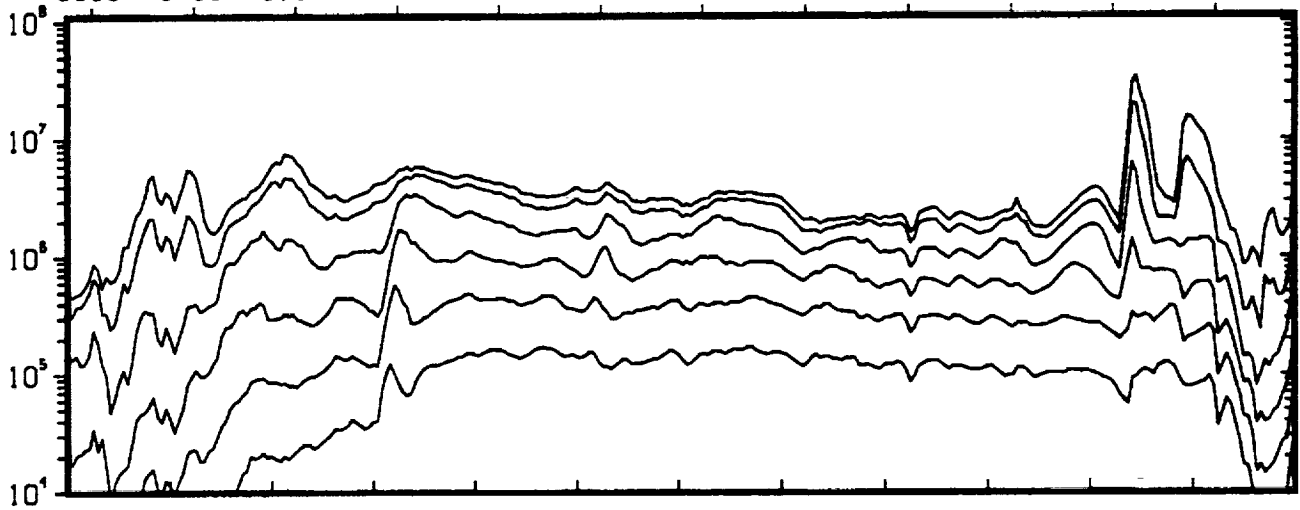


# LOW ENERGY ELECTRONS

1977-007

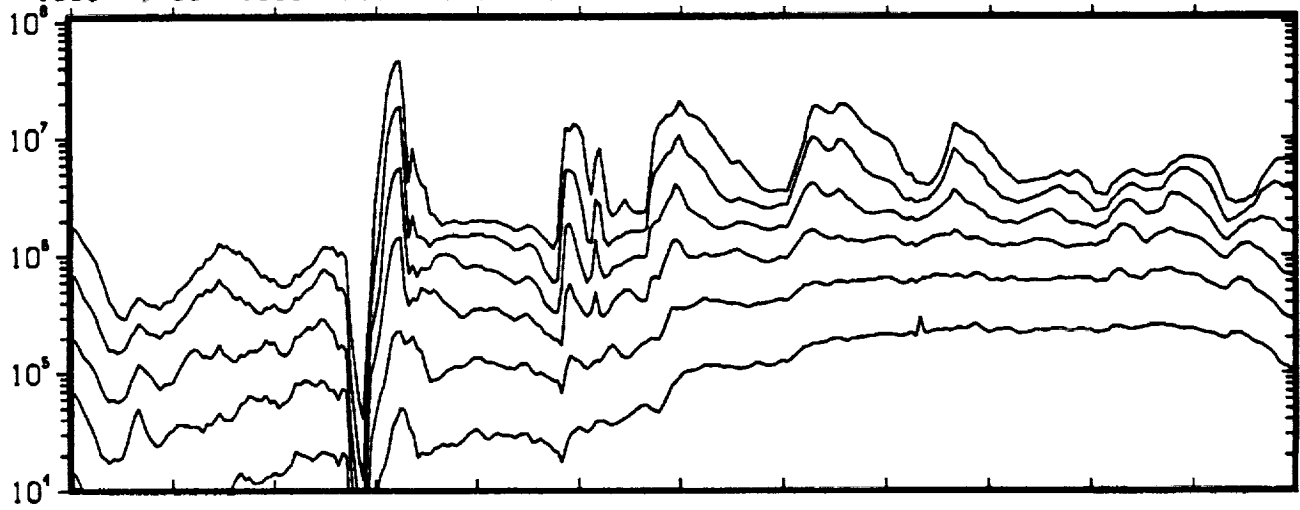
83/08/30

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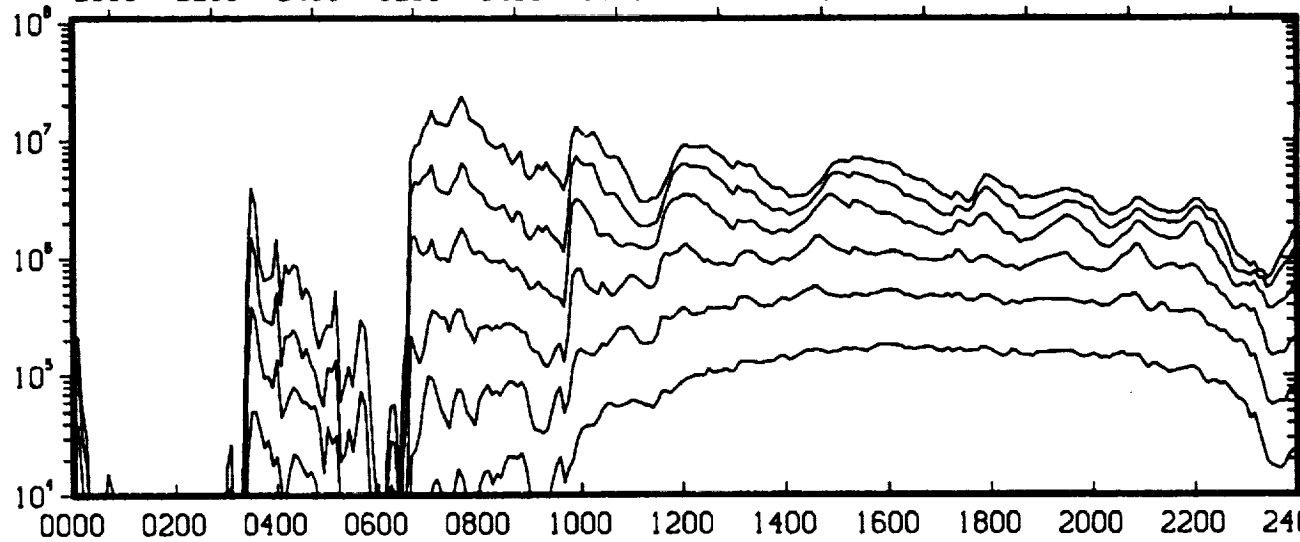
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

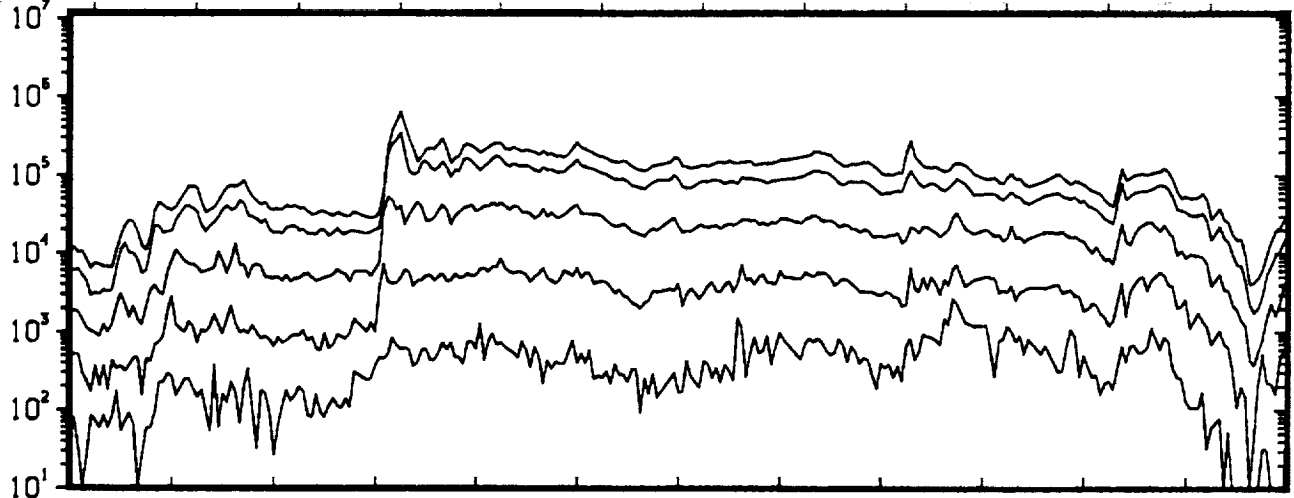
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

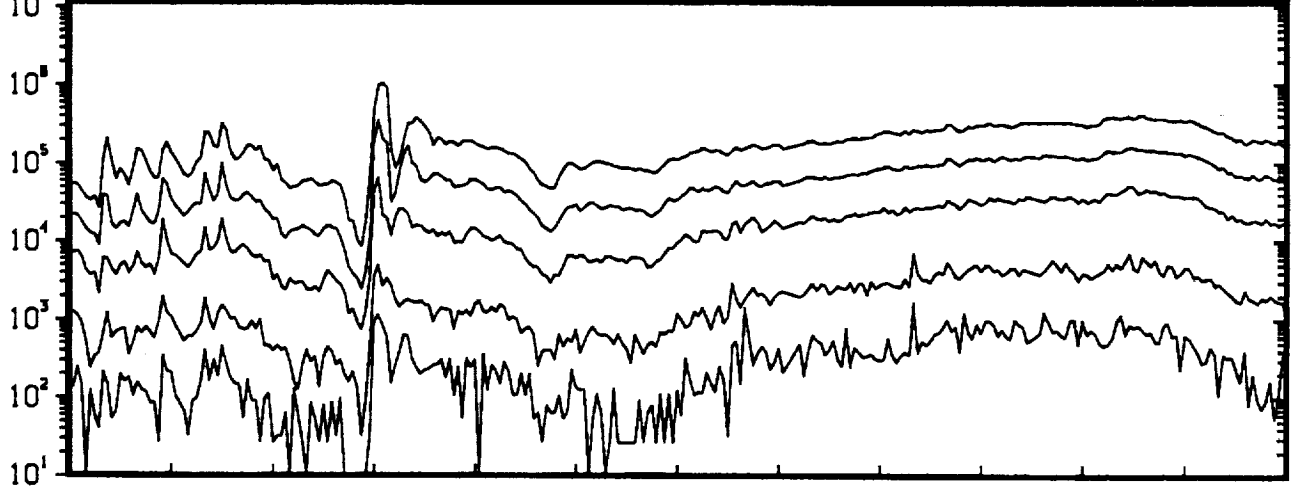
# LOW ENERGY IONS

1977-007 83/08/30  
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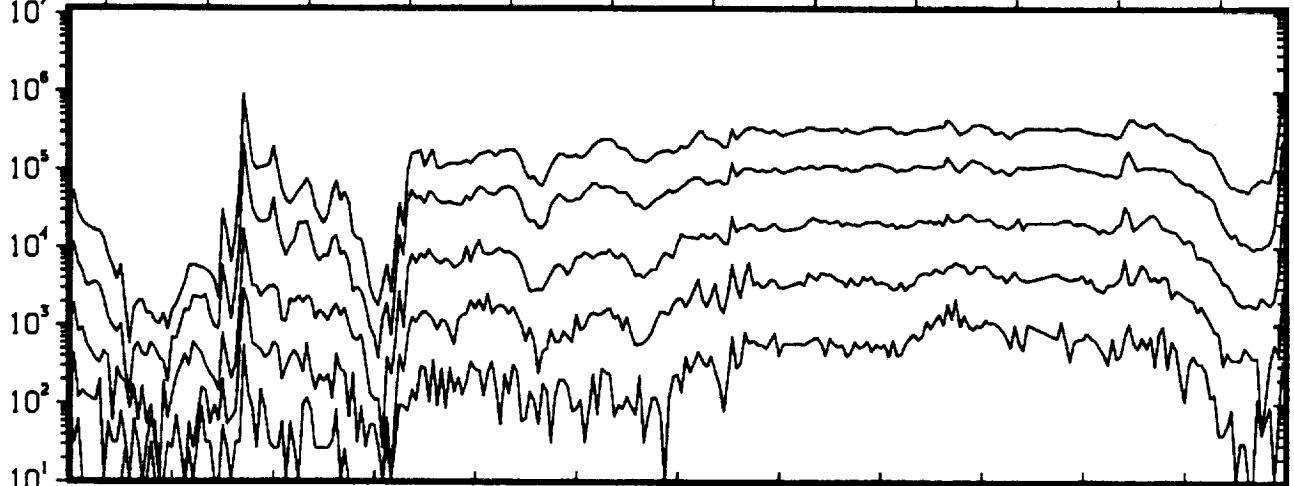


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



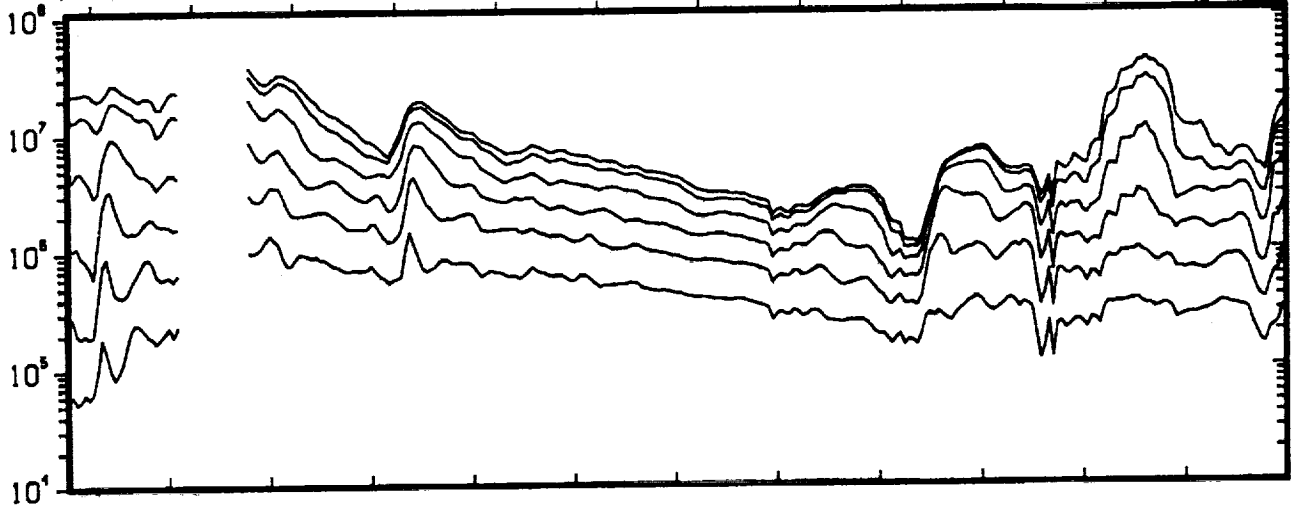
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

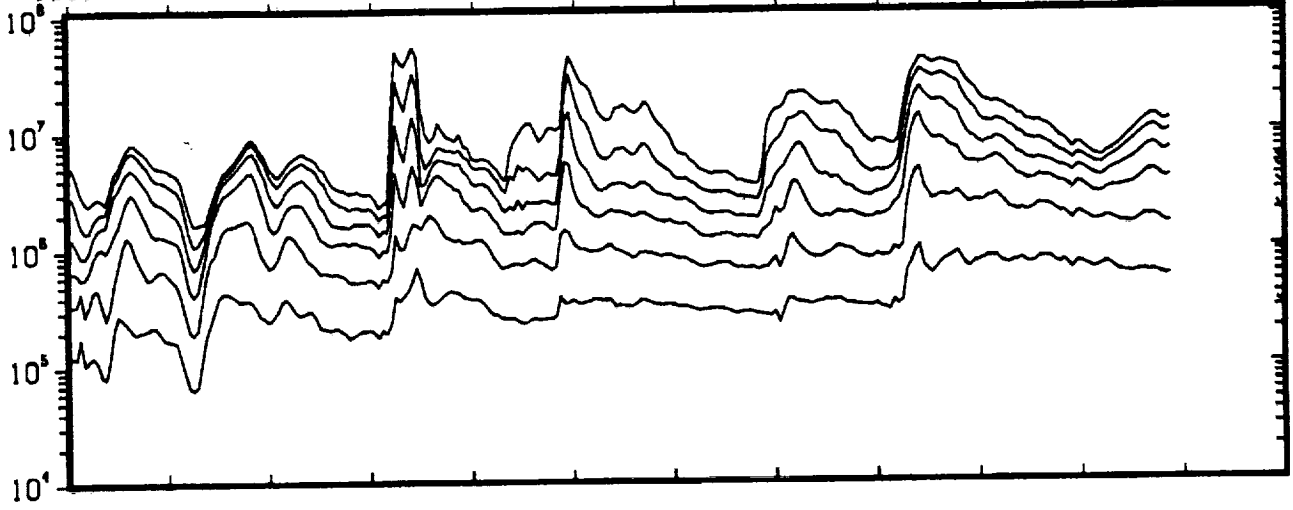
83/08/31

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



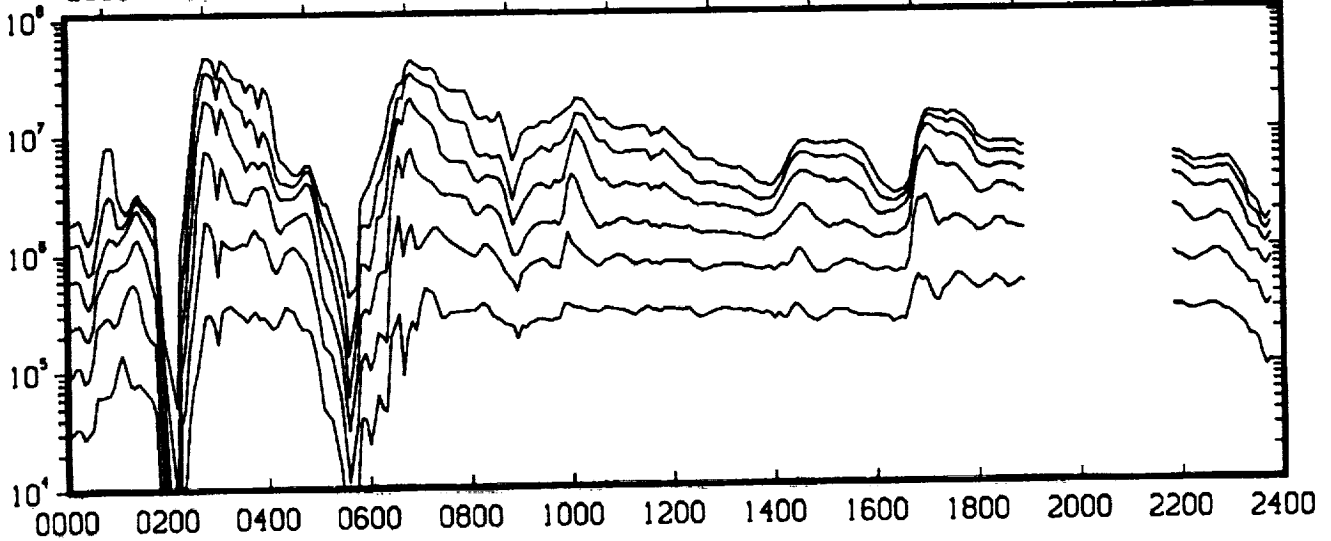
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



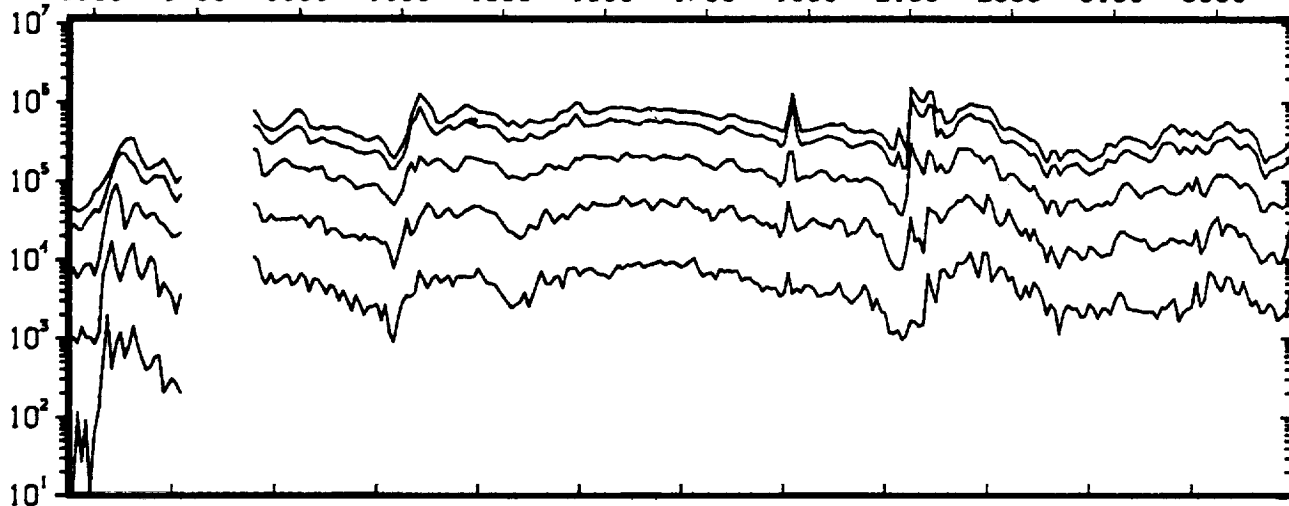
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

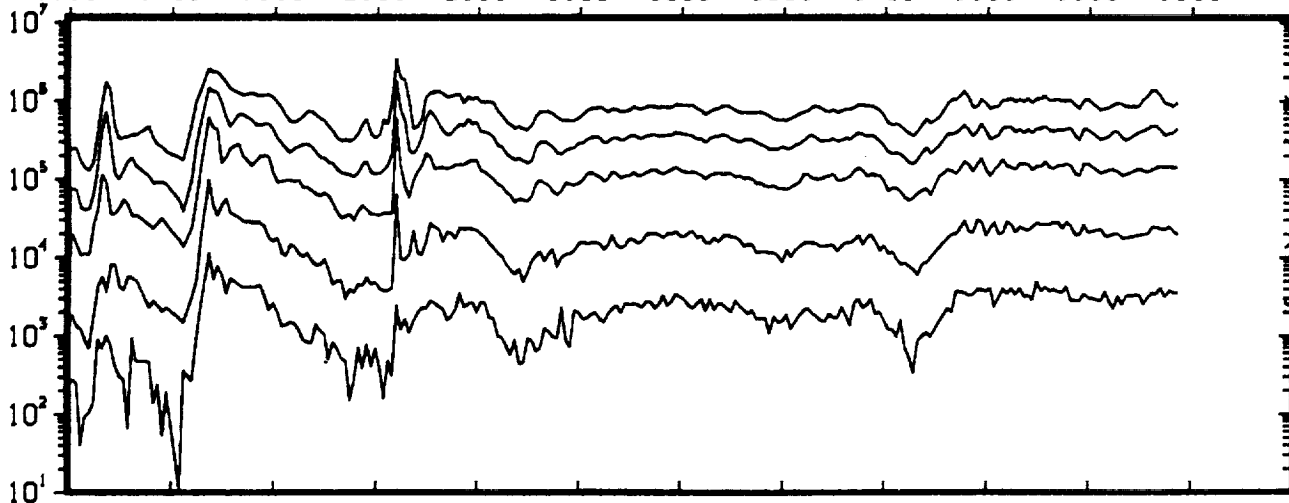
83/08/31

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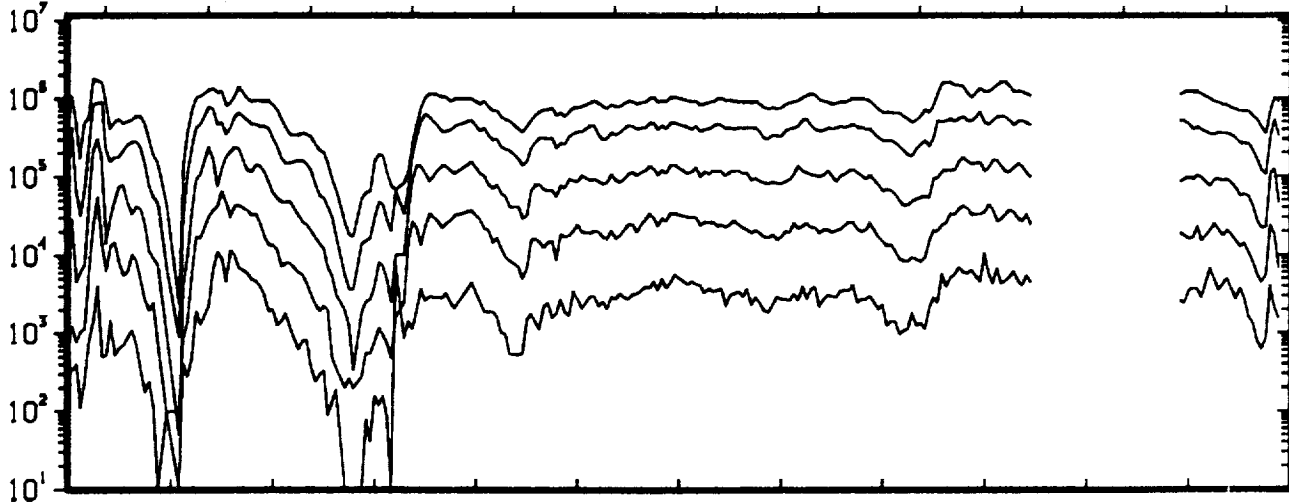
1981-025

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1982-019

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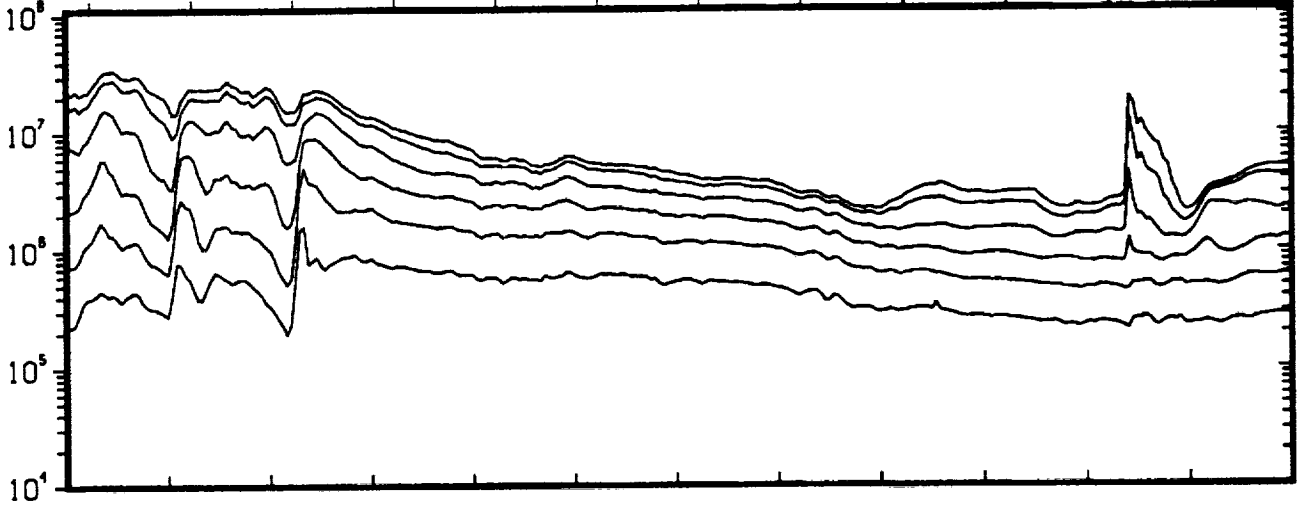
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

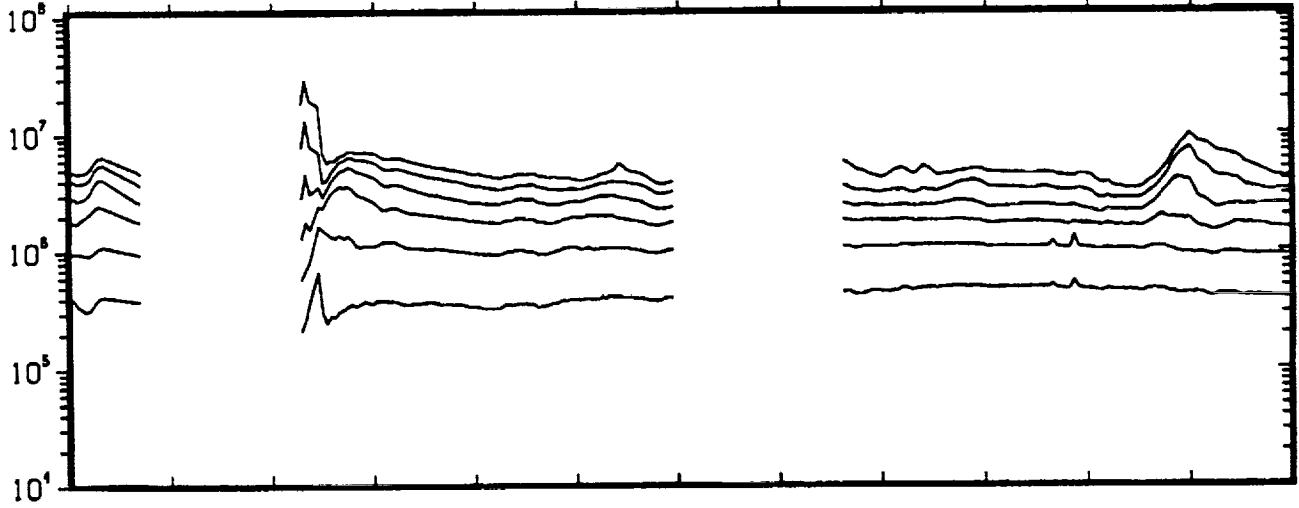
83/09/01

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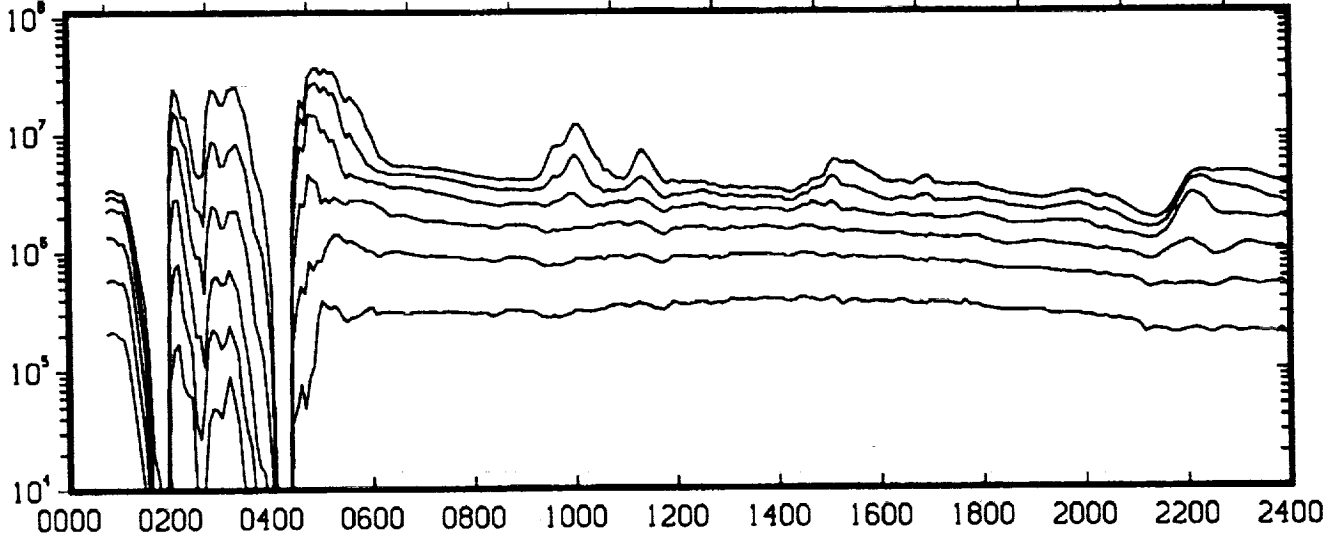
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

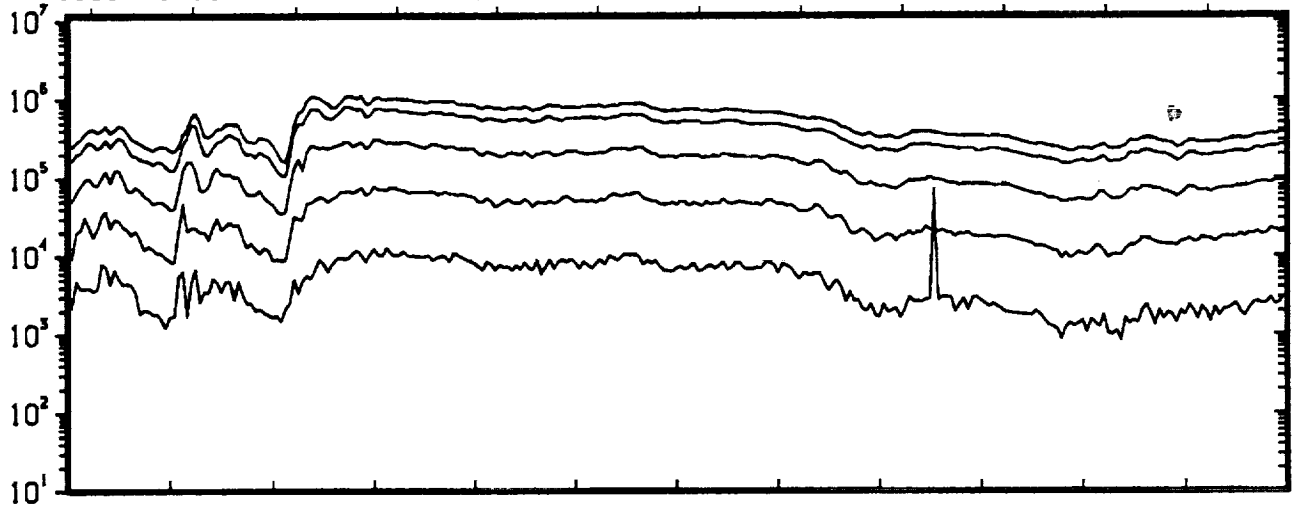


# LOW ENERGY IONS

1977-007

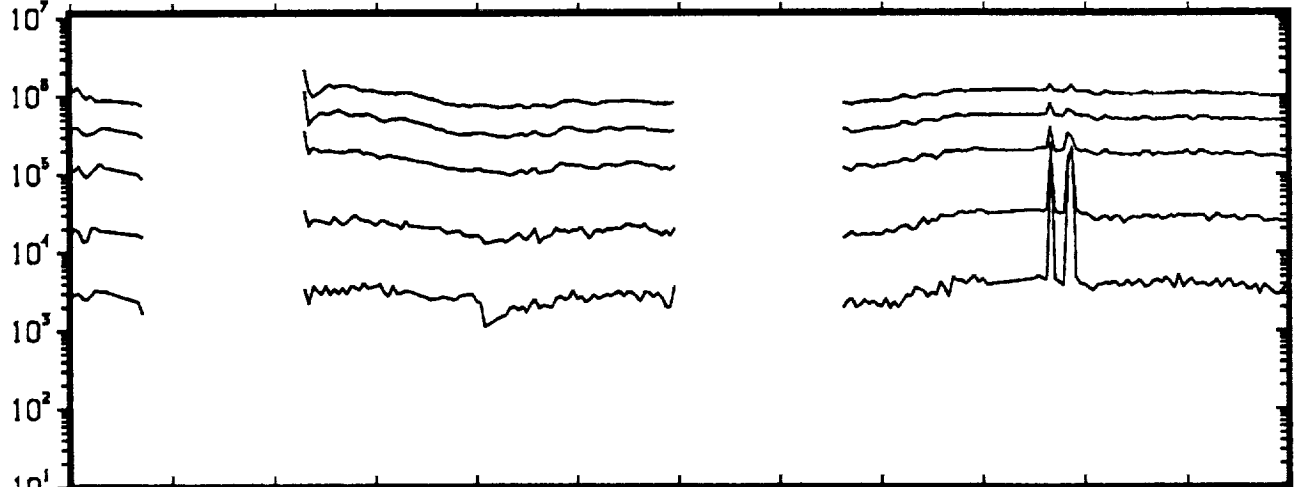
83/09/01

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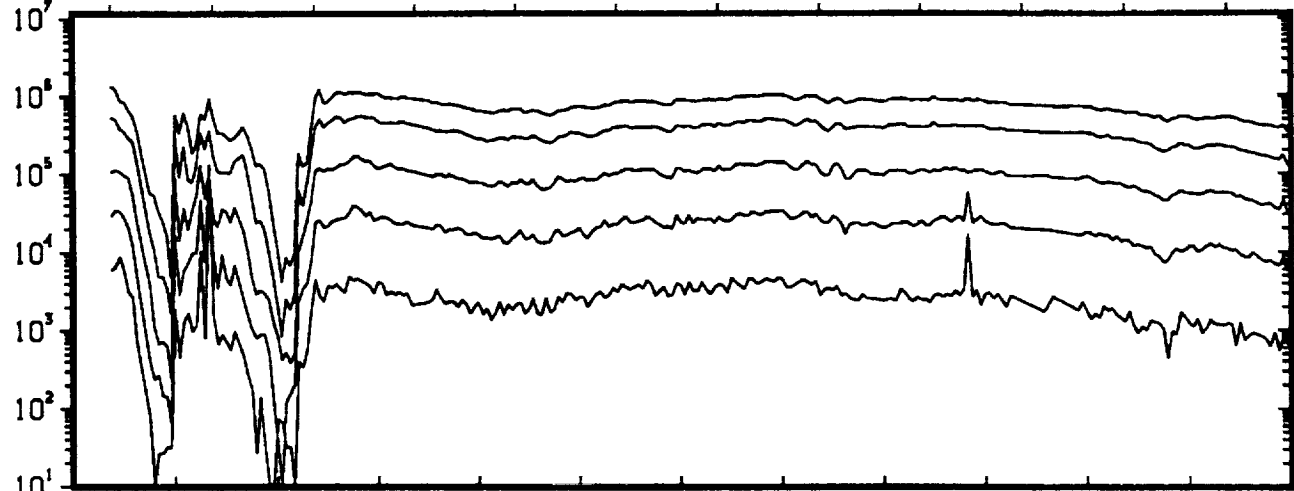
1981-025

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1982-019

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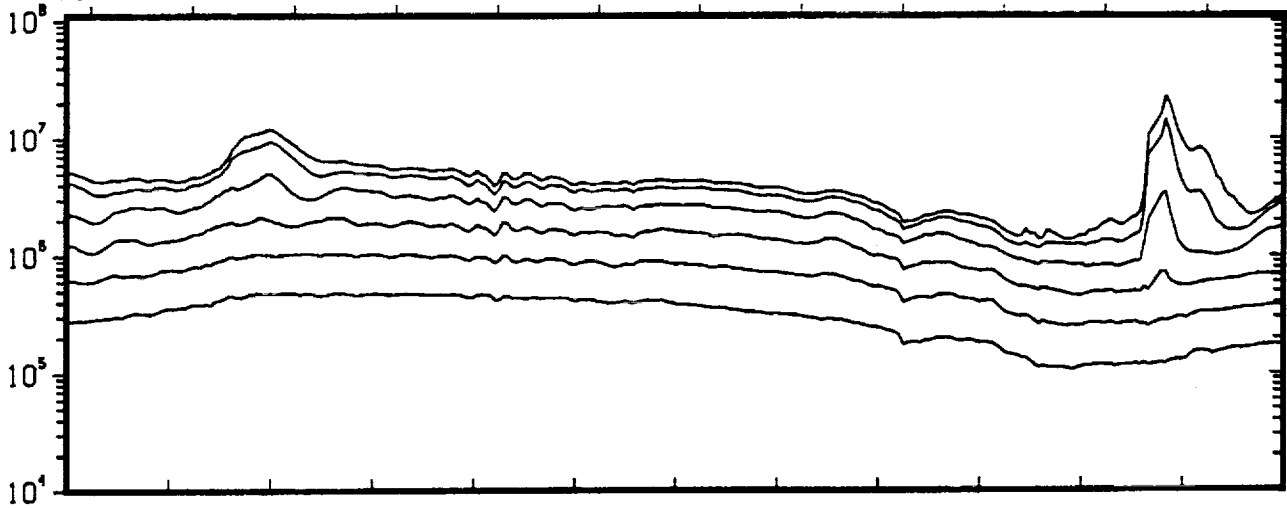
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

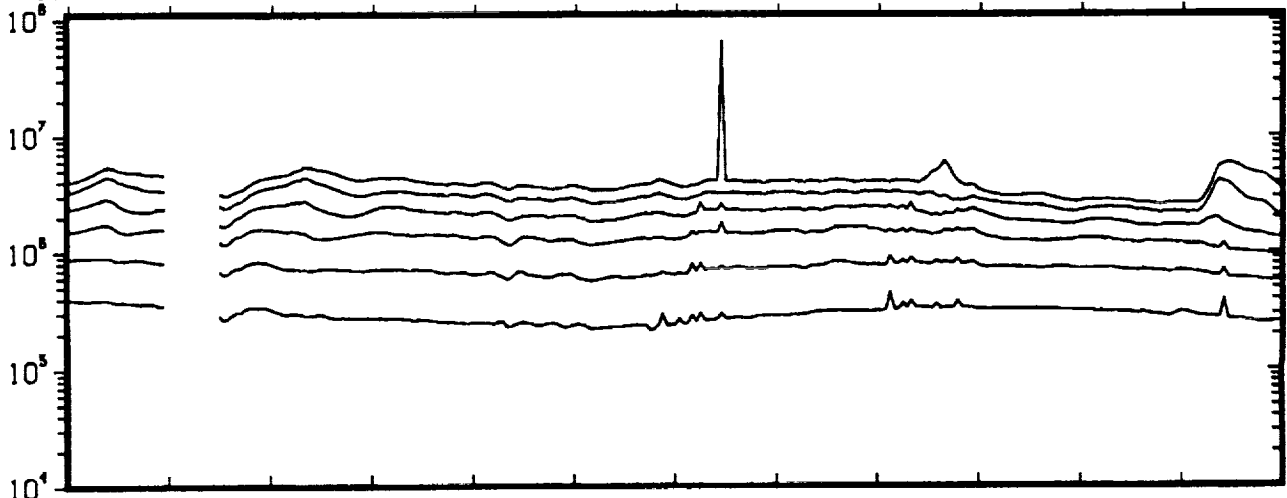
83/09/02

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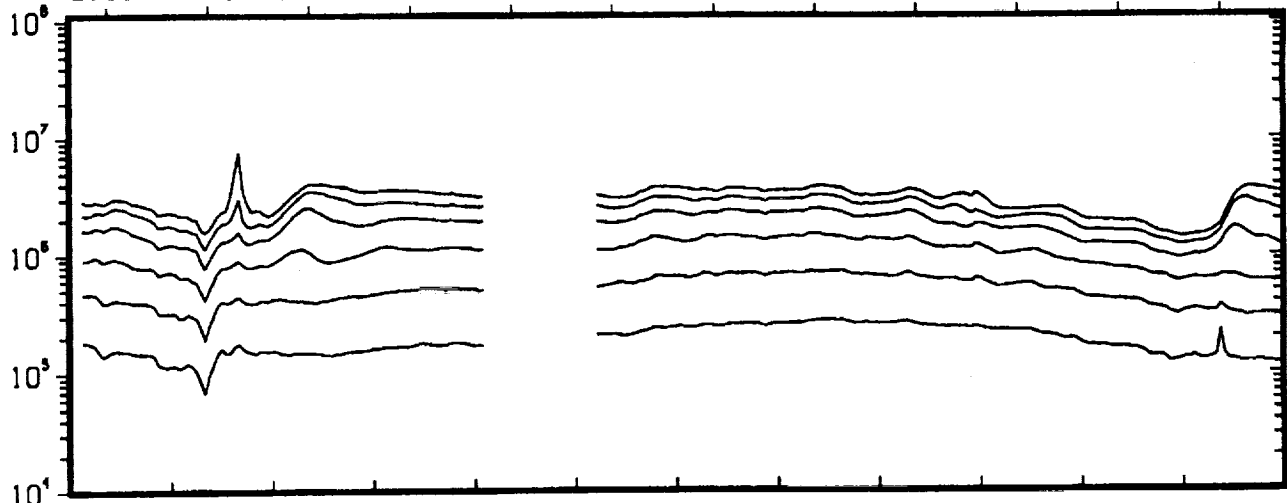
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



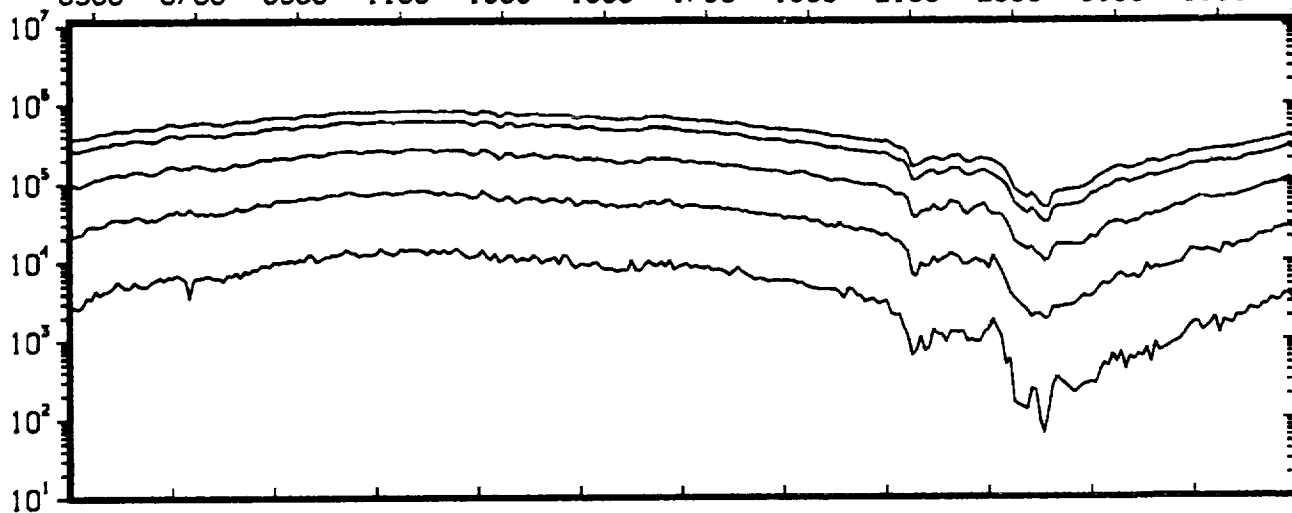
INTEGRAL FLUX -  $\text{CM}^{-2} \text{ S}^{-1} \text{ SR}^{-1}$

# LOW ENERGY IONS

1977-007

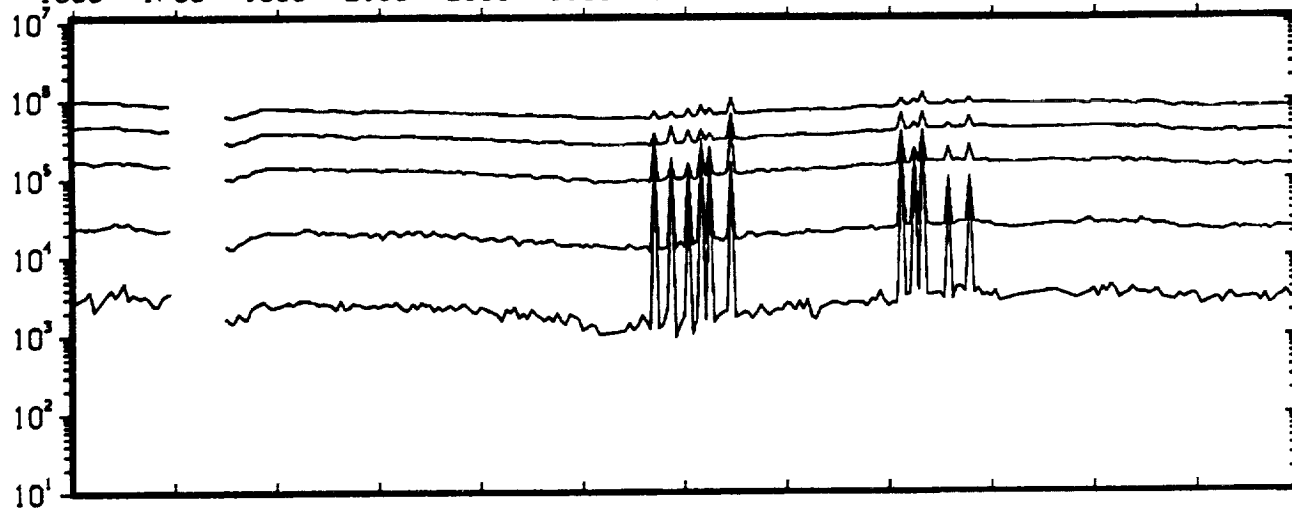
83/09/02

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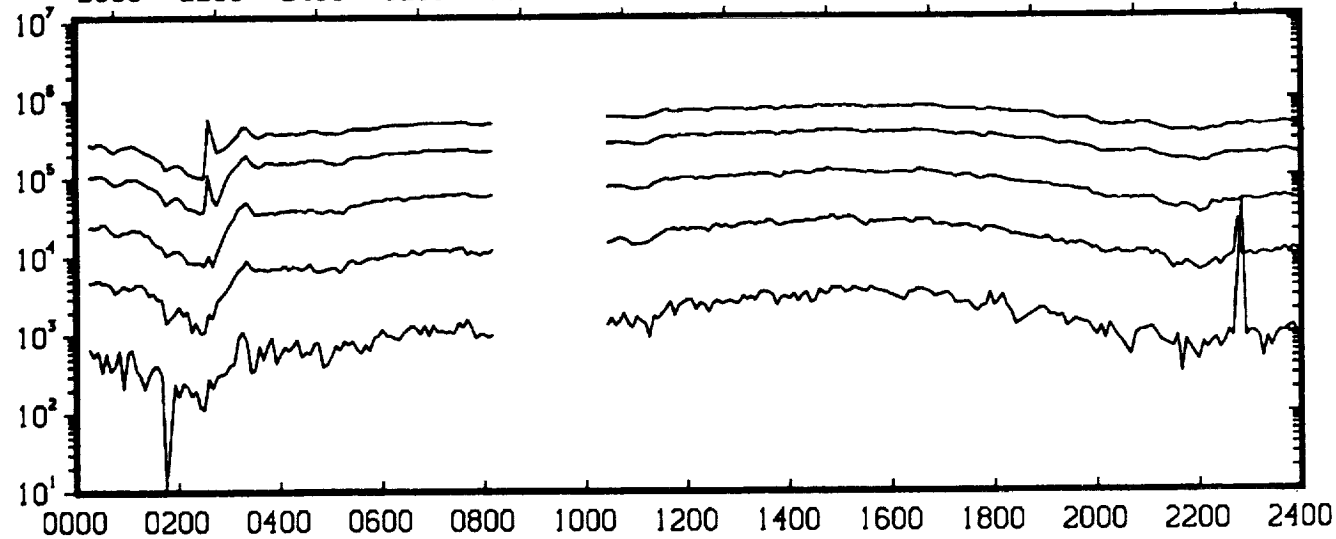
1981-025

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1982-019

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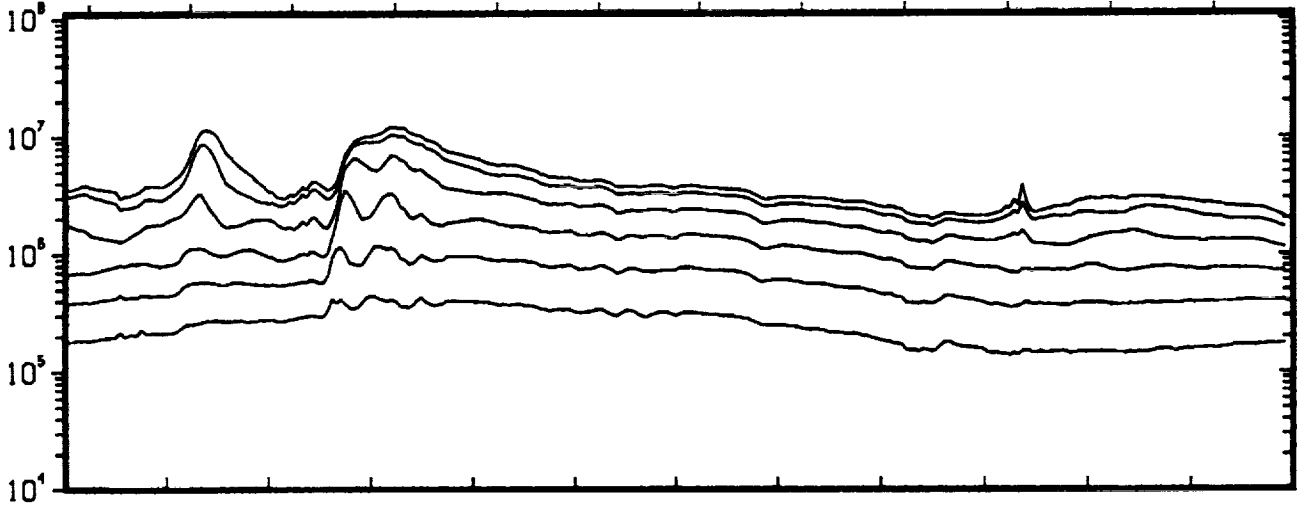
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

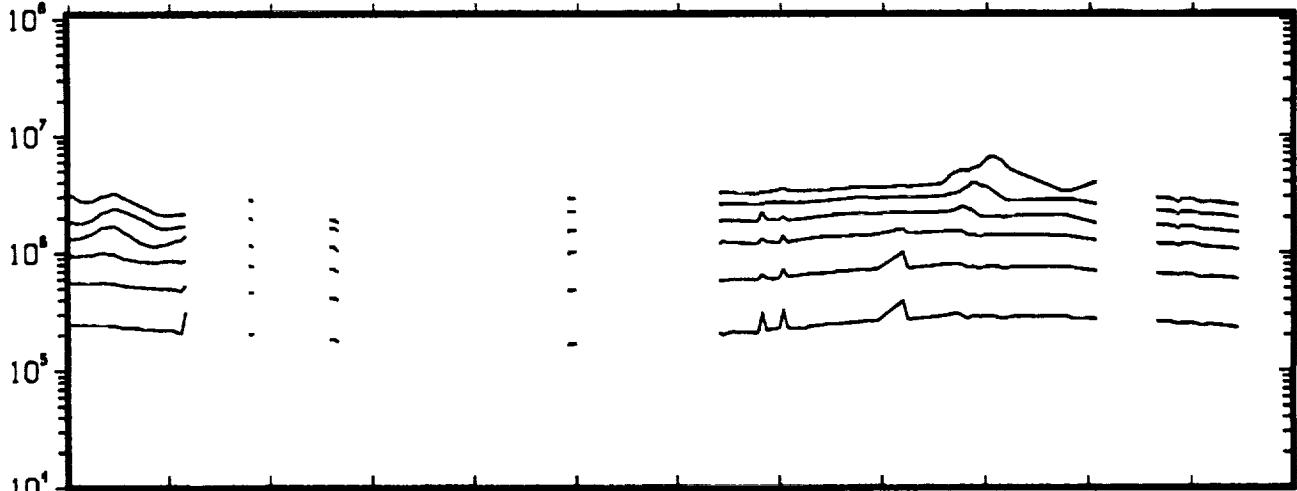
83/09/03

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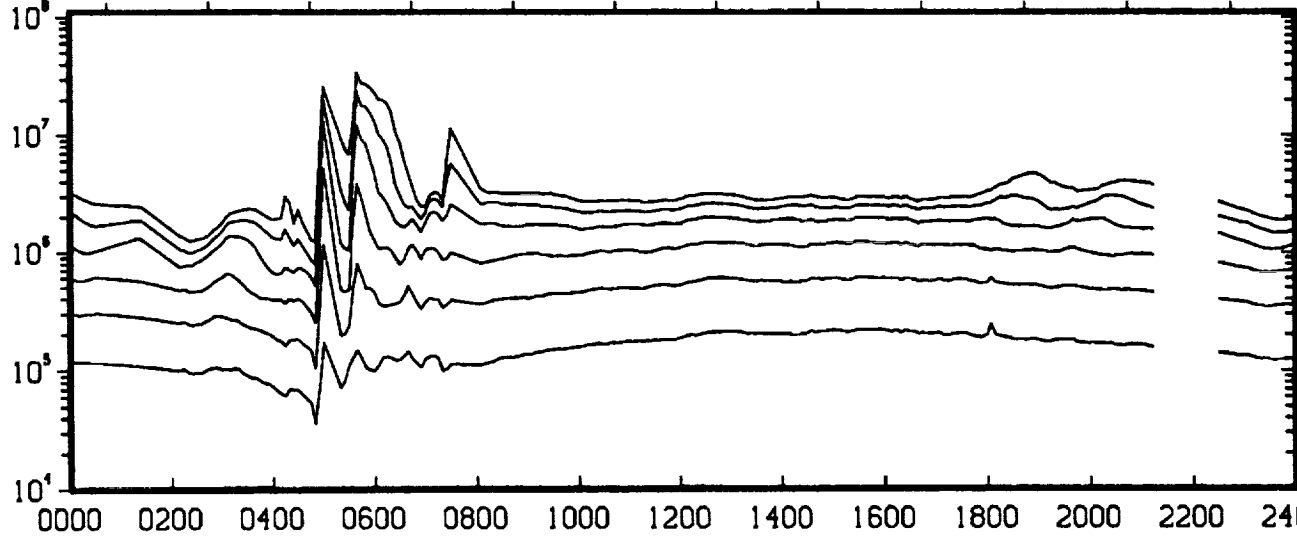
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



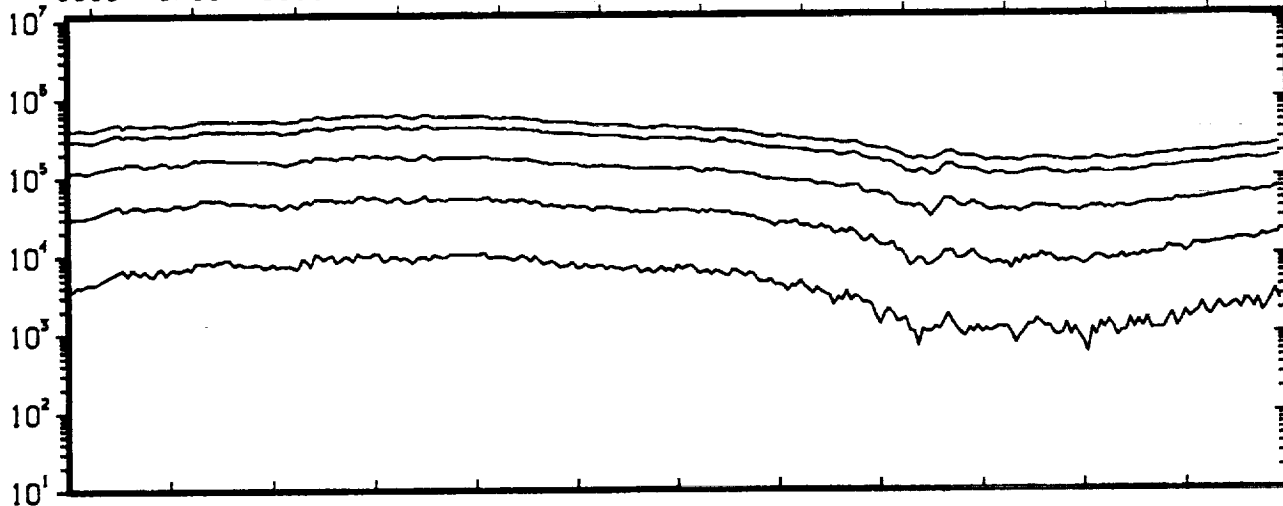
INTEGRAL FLUX -  $\text{CM}^{-2} \text{ S}^{-1} \text{ SR}^{-1}$

# LOW ENERGY IONS

1977-007

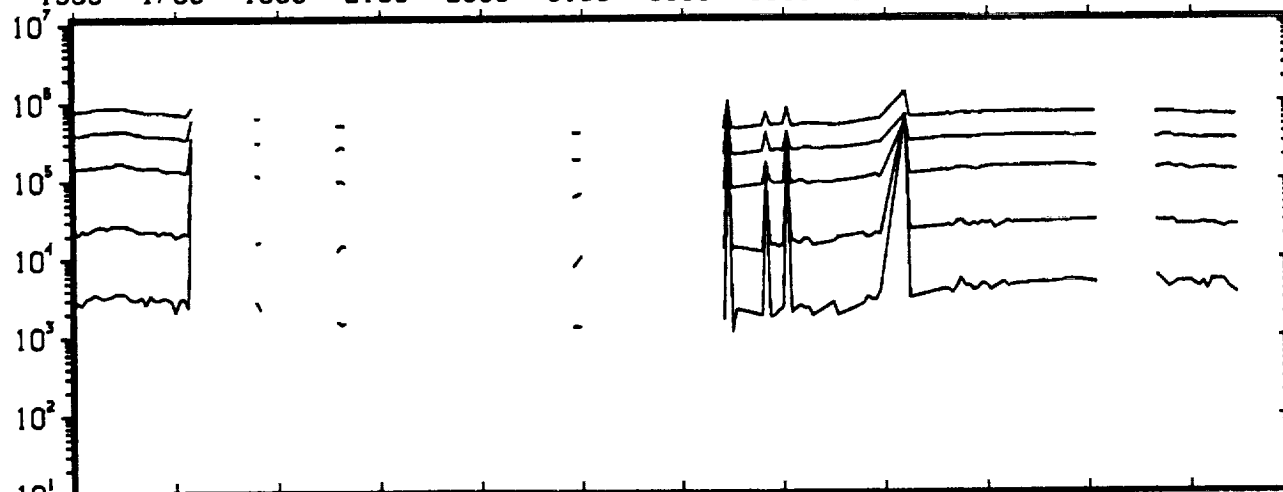
83/09/03

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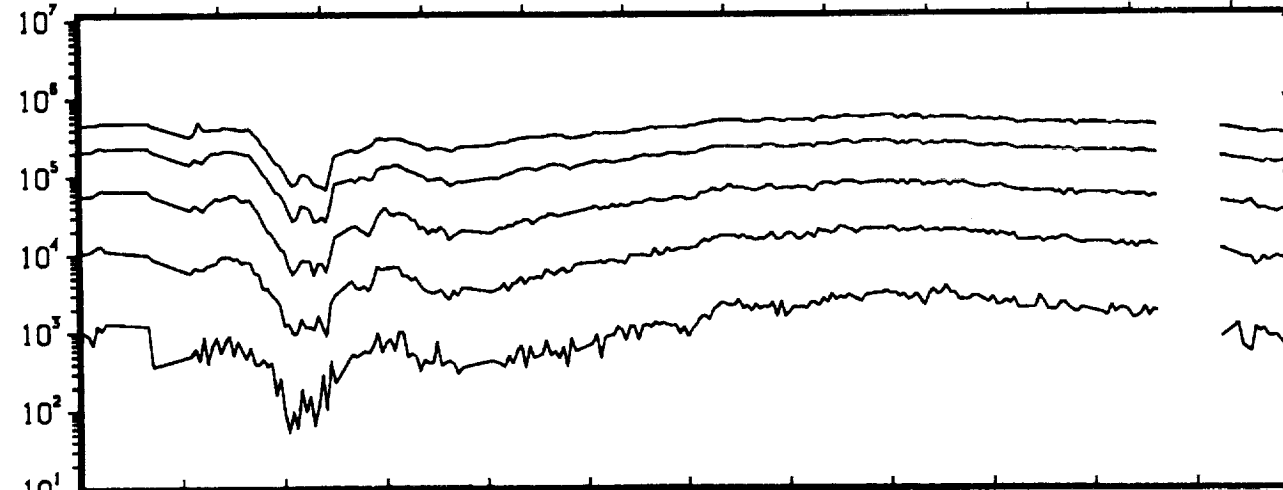
1981-025

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1982-019

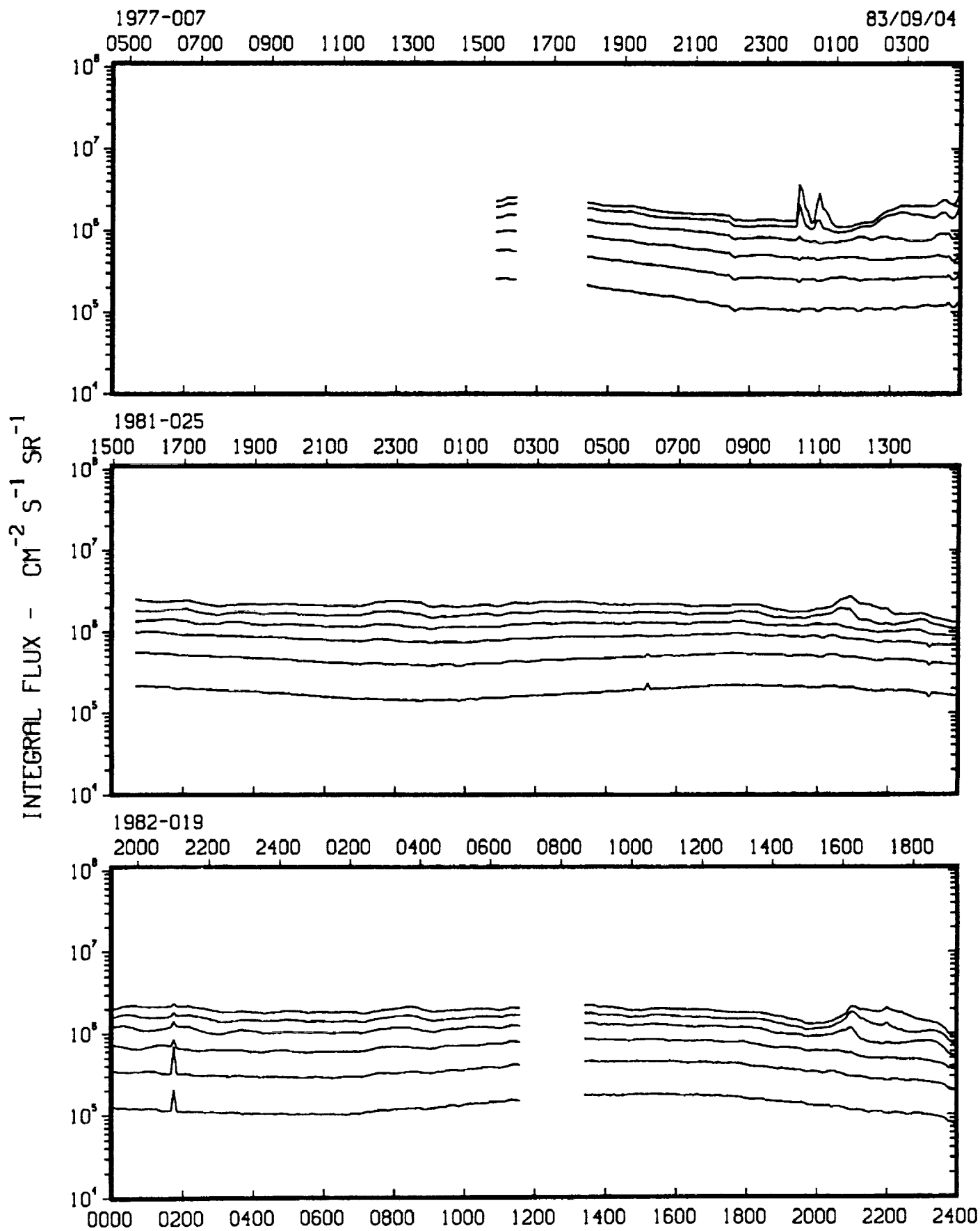
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

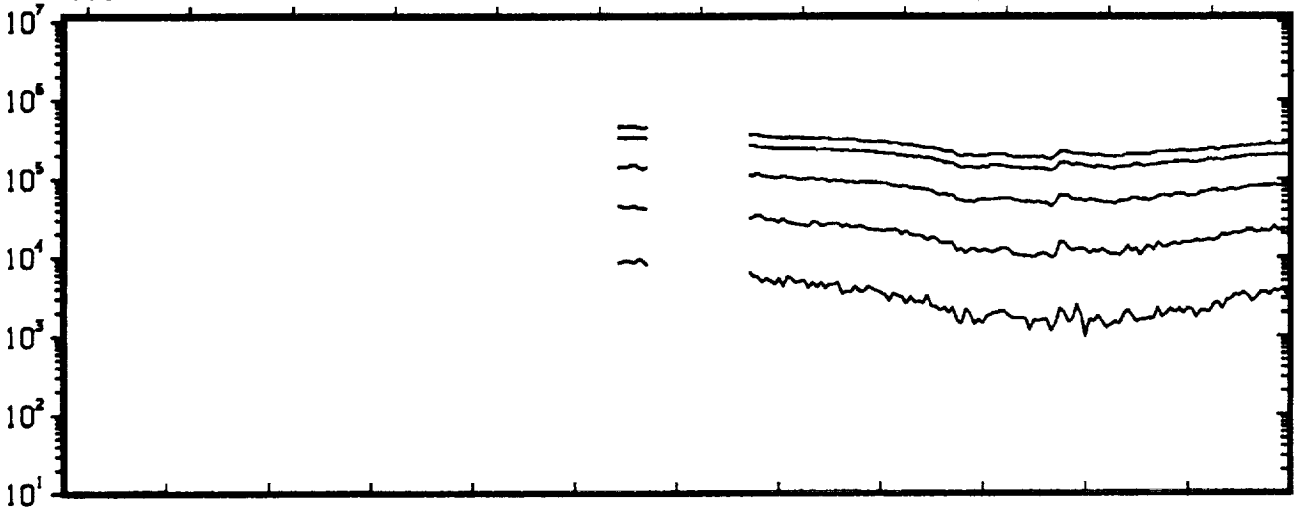


# LOW ENERGY IONS

1977-007

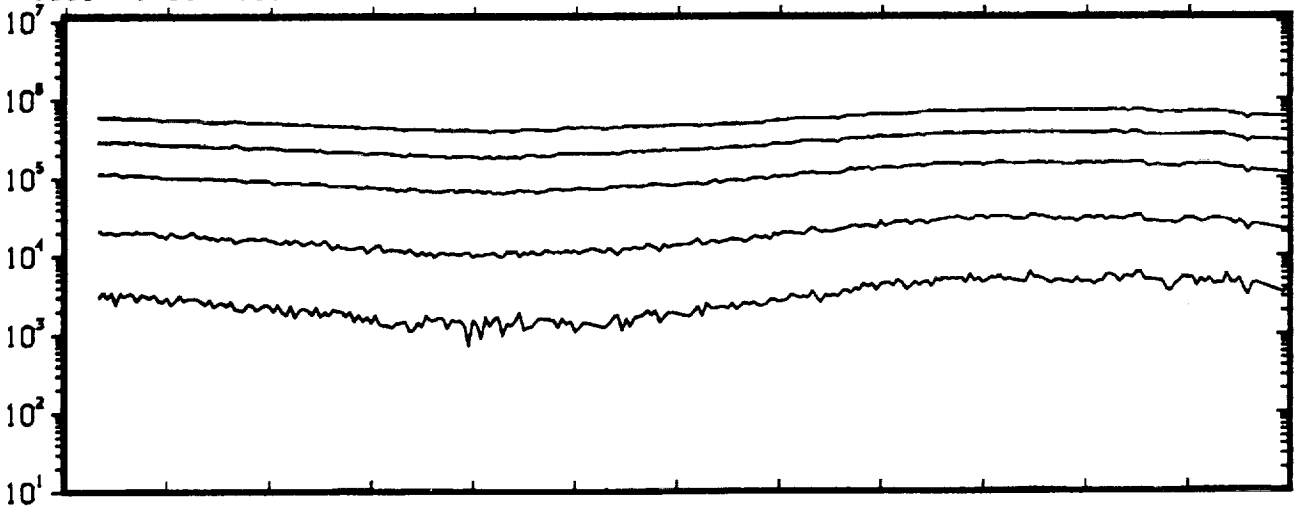
83/09/04

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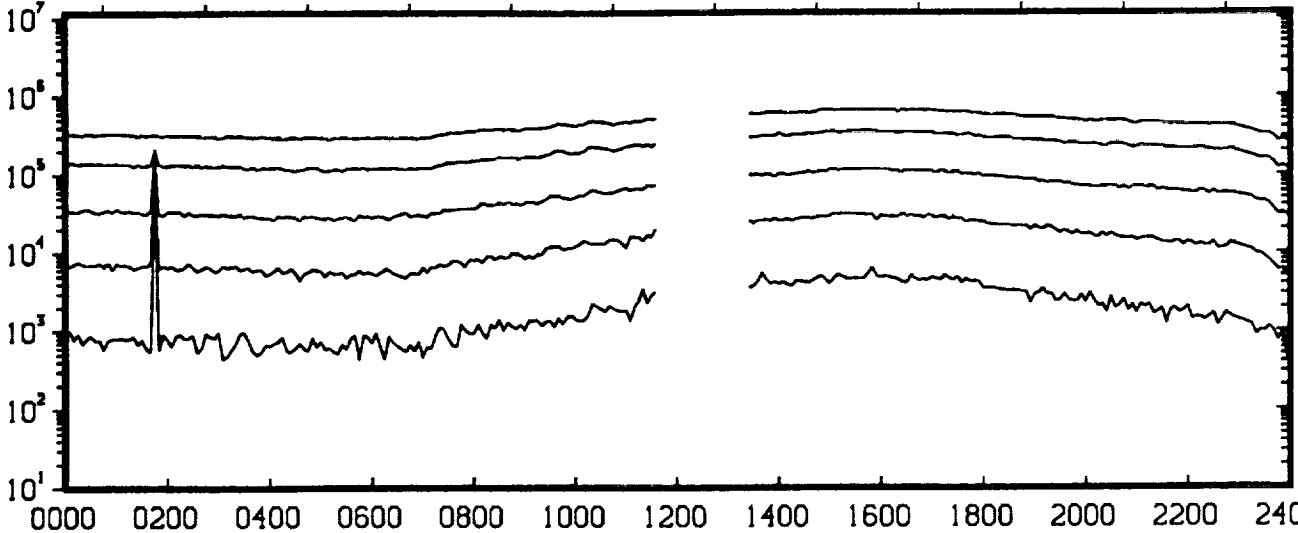
1981-025

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1982-019

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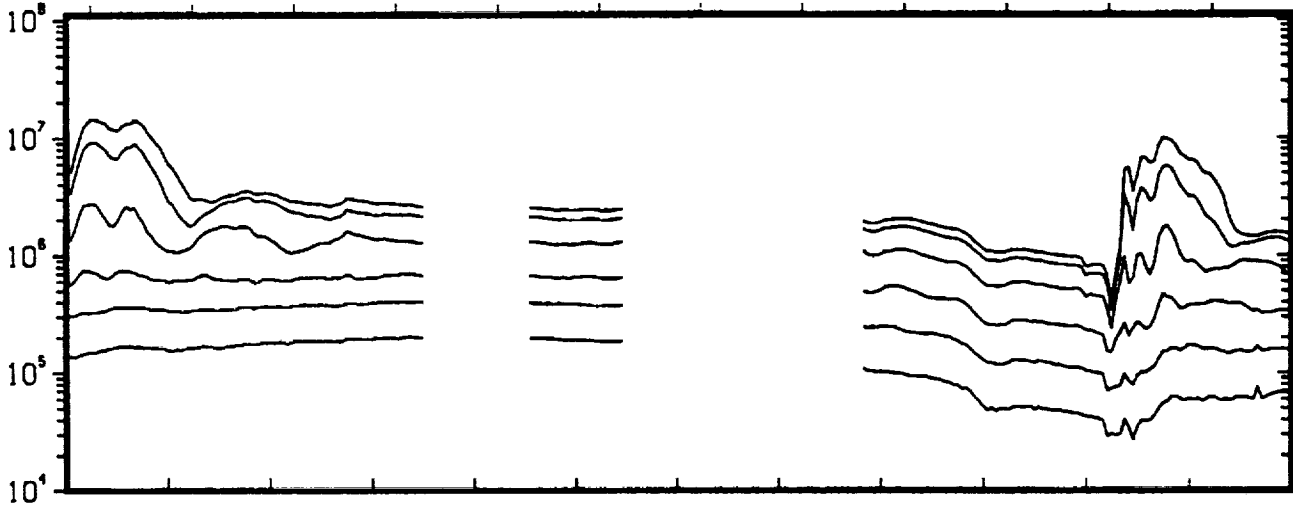
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

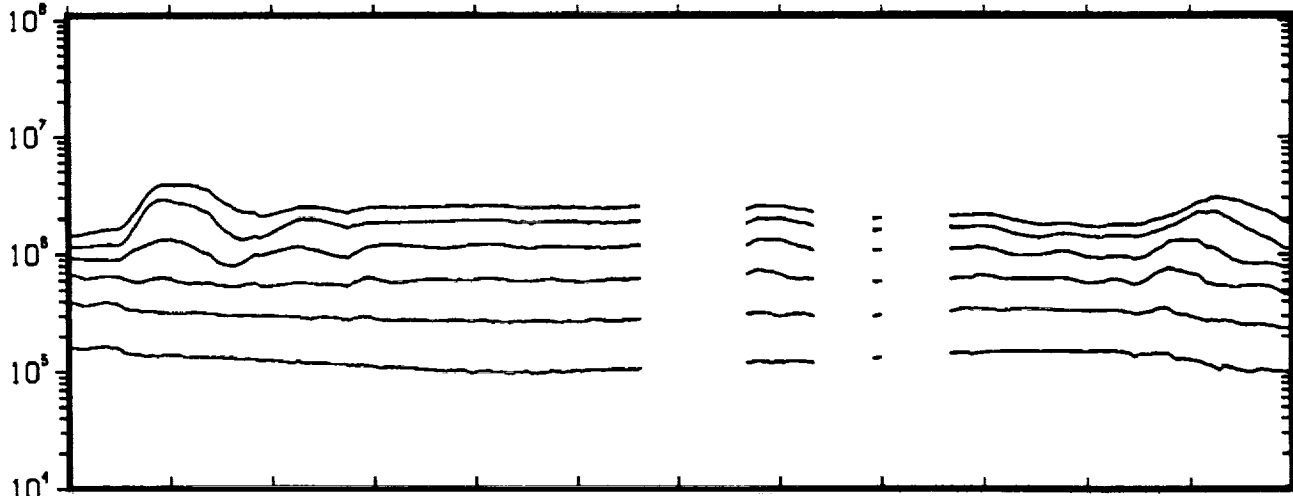
83/09/05

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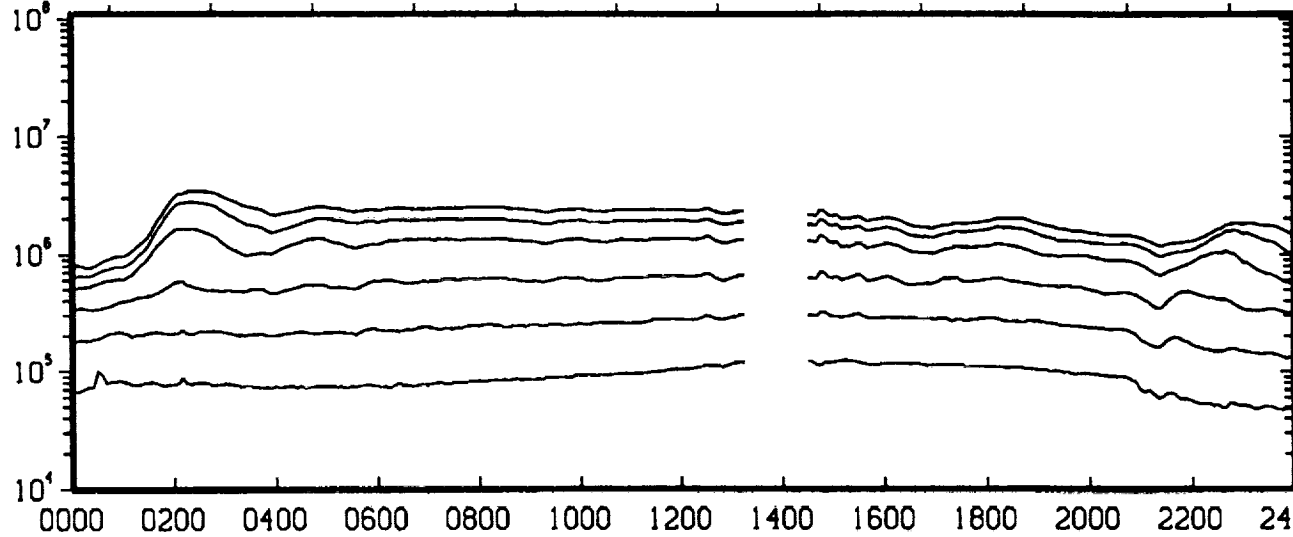
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

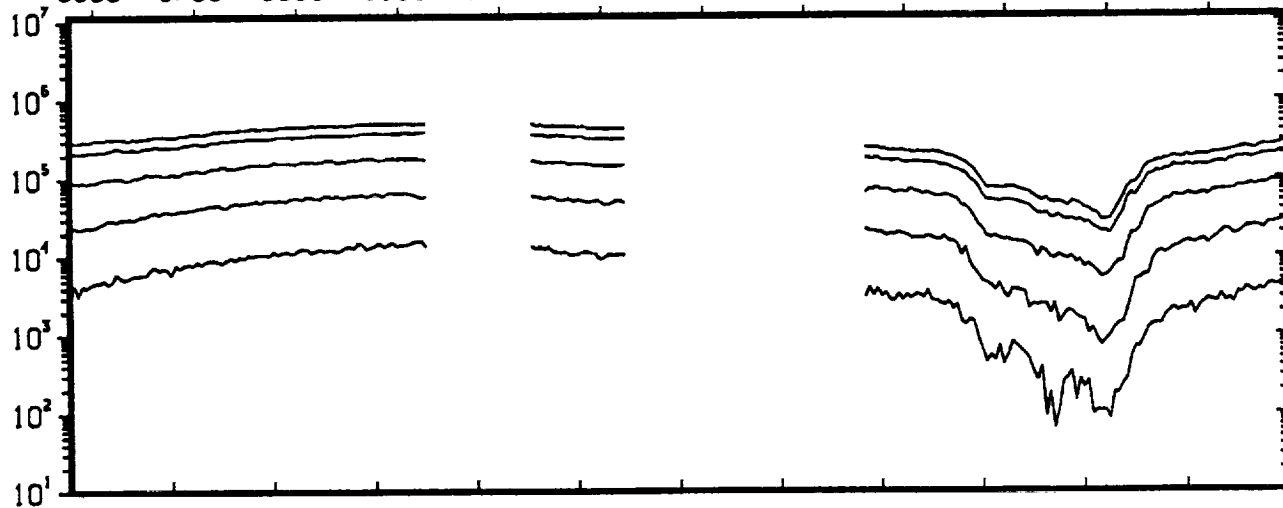


# LOW ENERGY IONS

1977-007

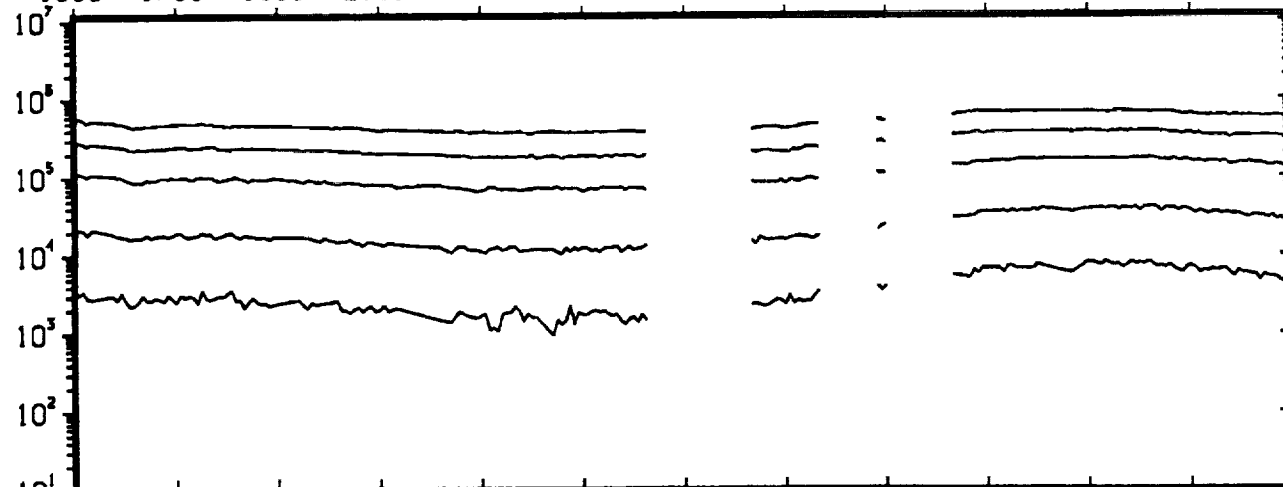
83/09/05

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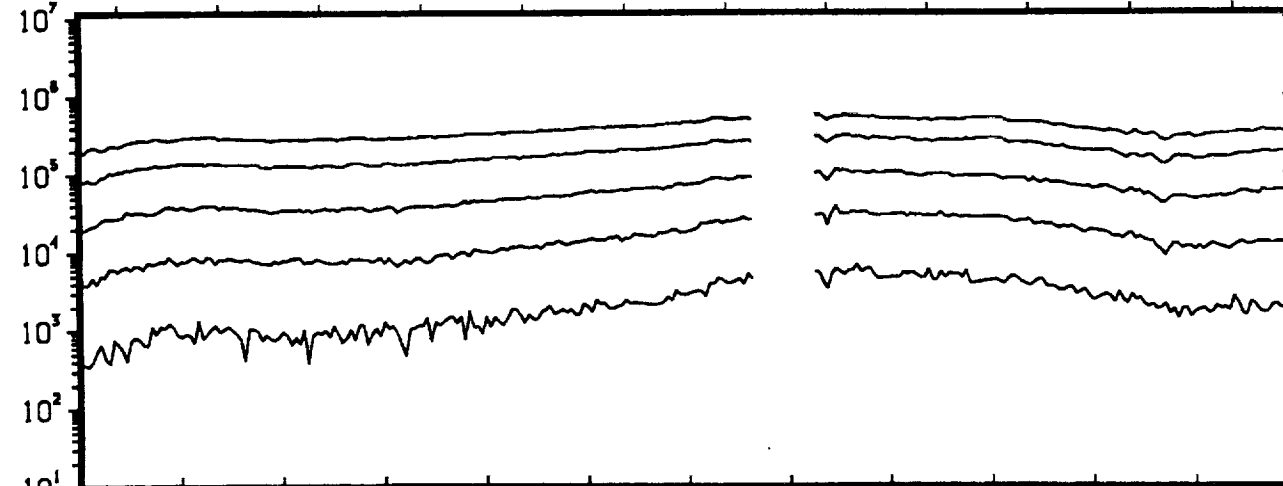
1981-025

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1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



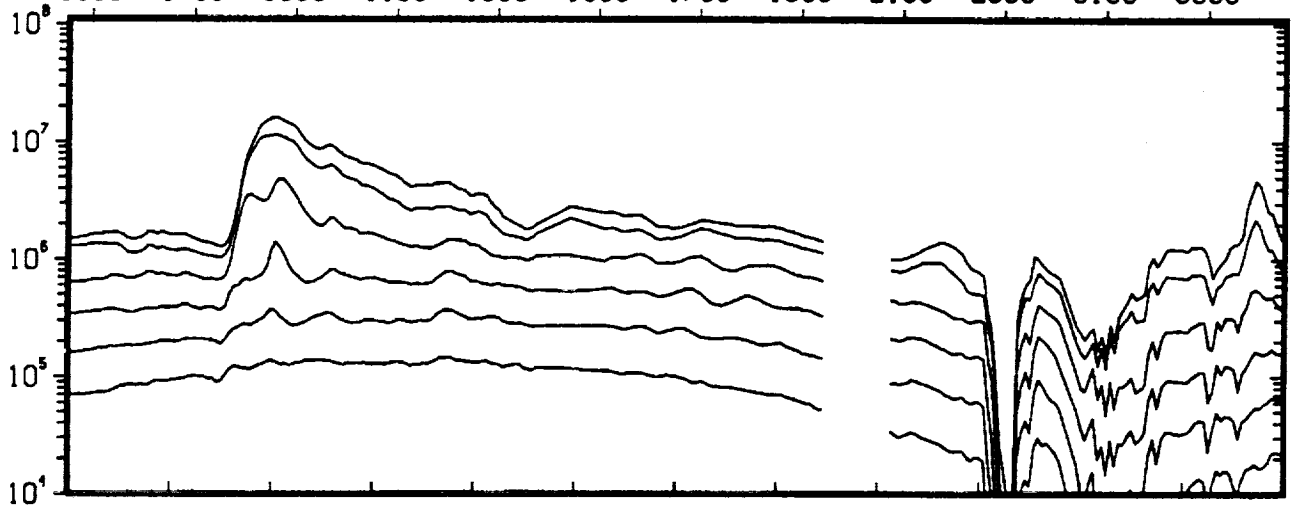
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

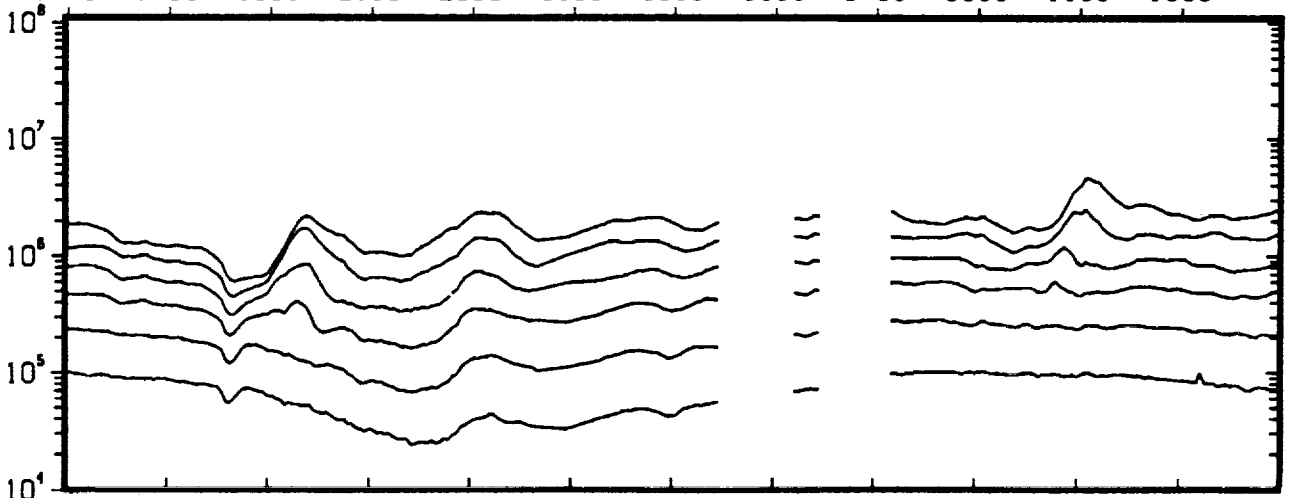
83/09/06

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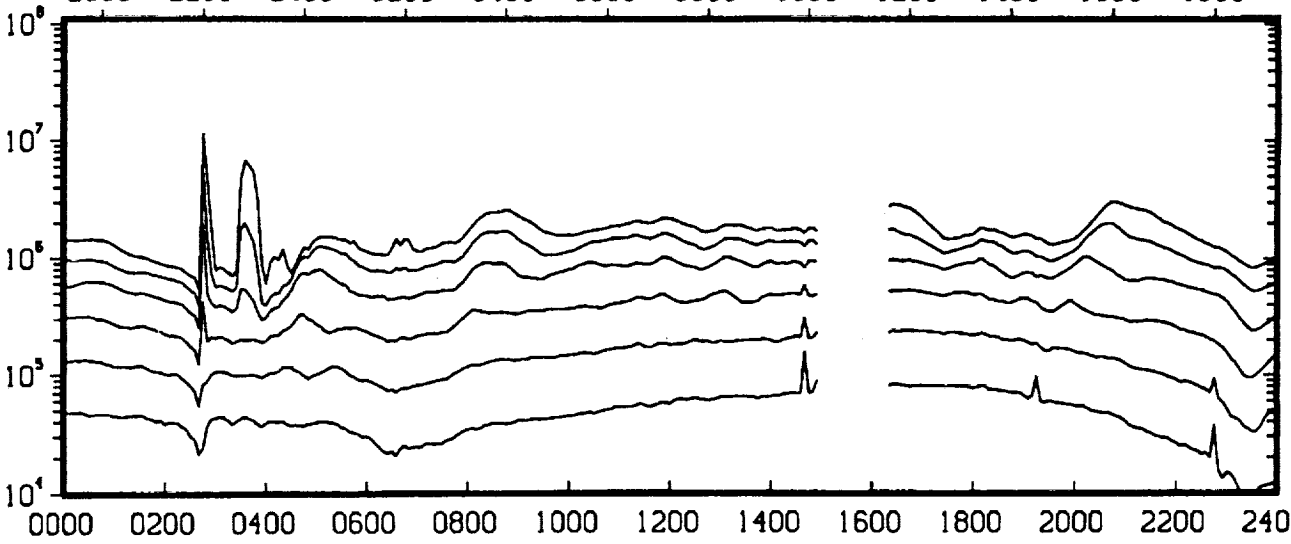
1981-025

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1982-019

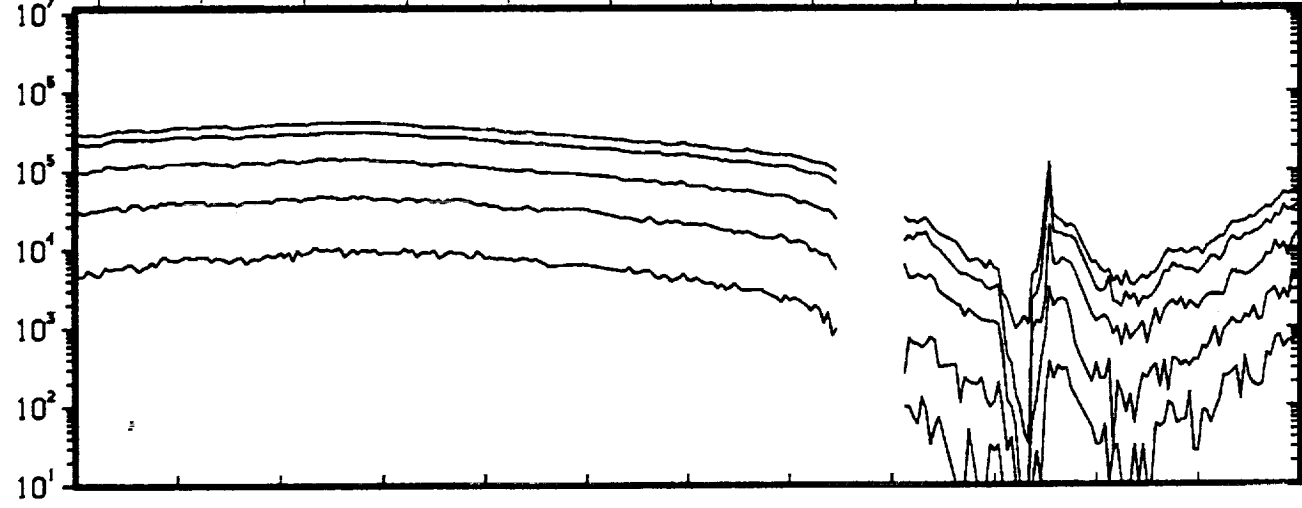
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

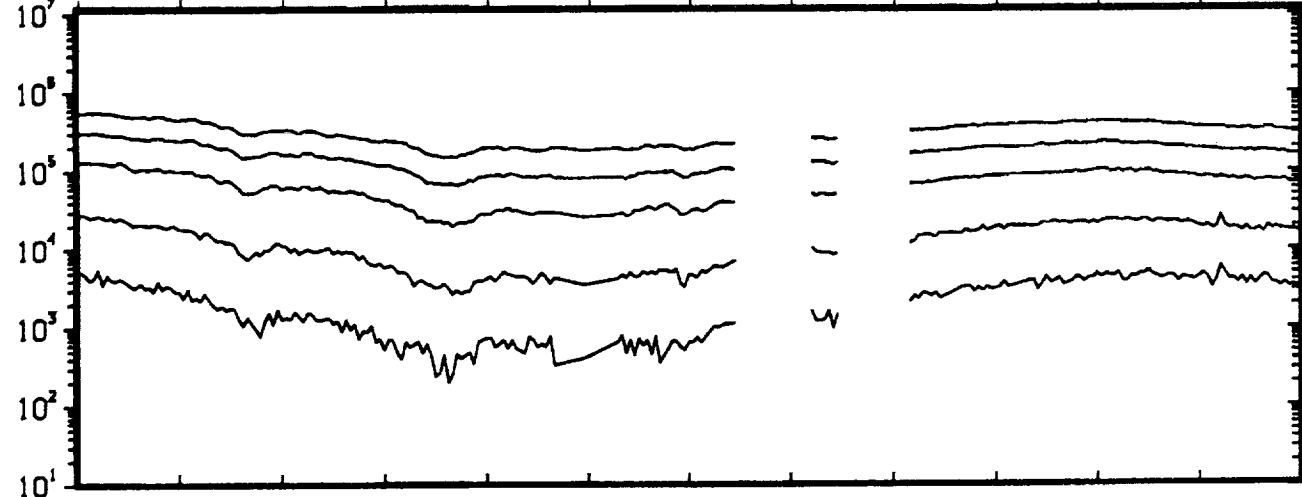
# LOW ENERGY IONS

1977-007 83/09/06  
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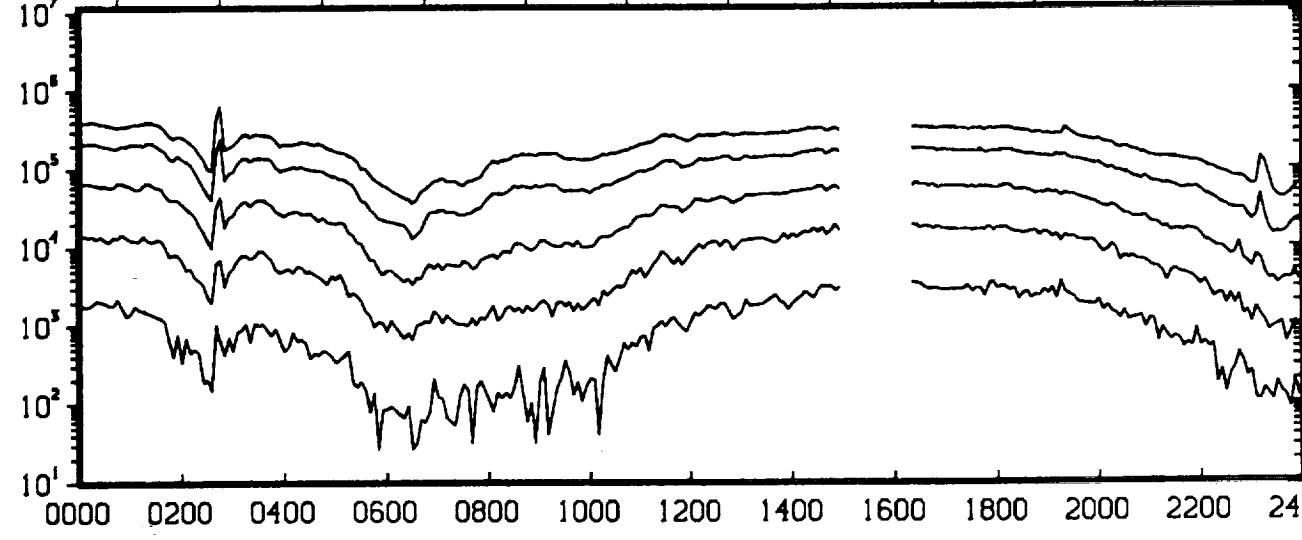


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

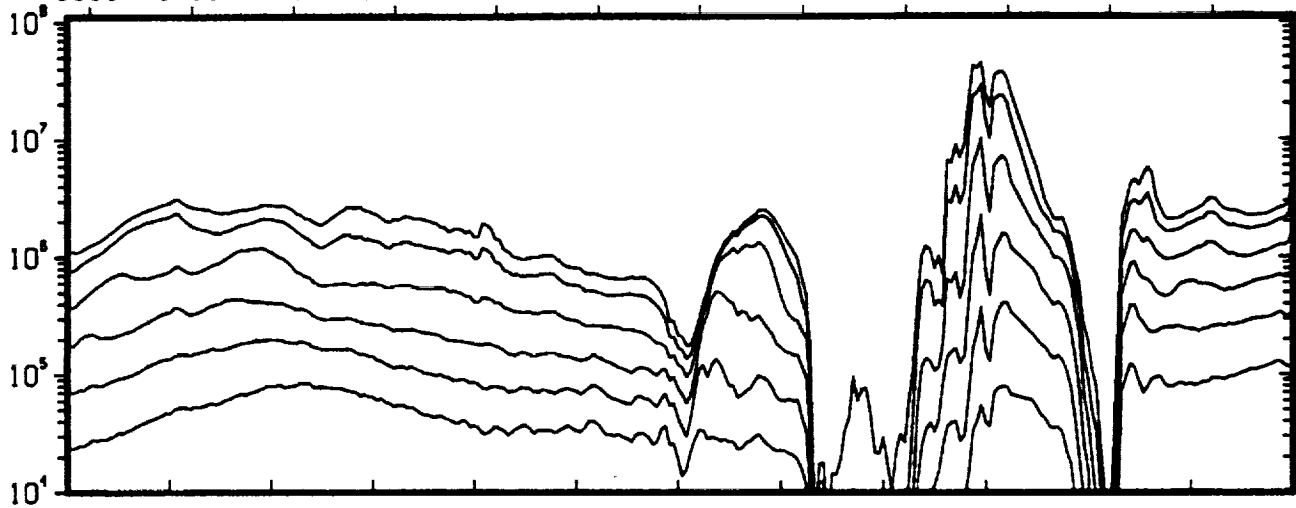


# LOW ENERGY ELECTRONS

1977-007

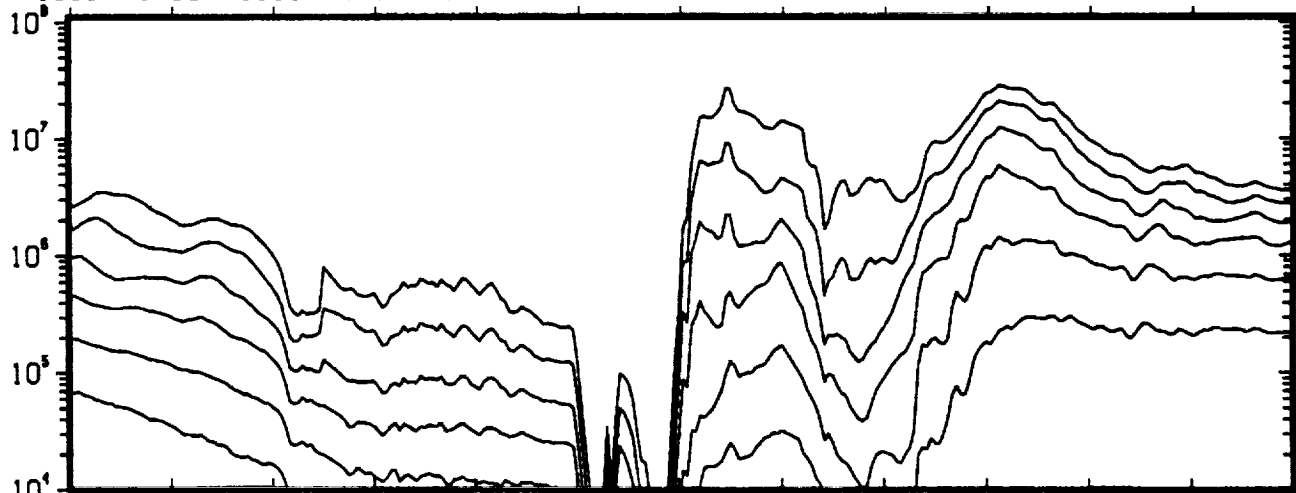
83/09/07

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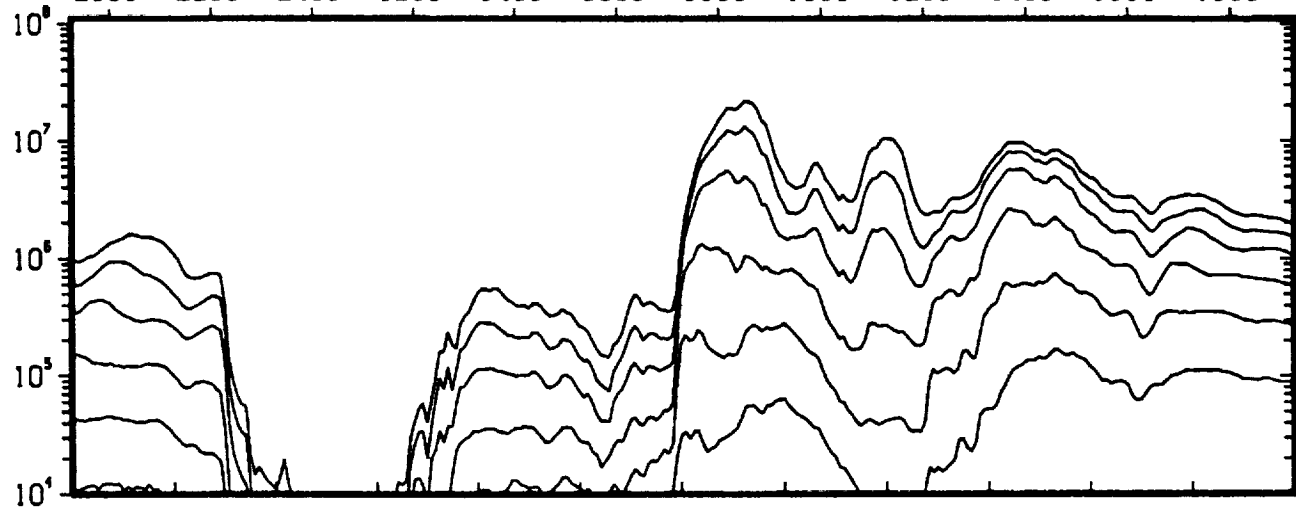
1981-025

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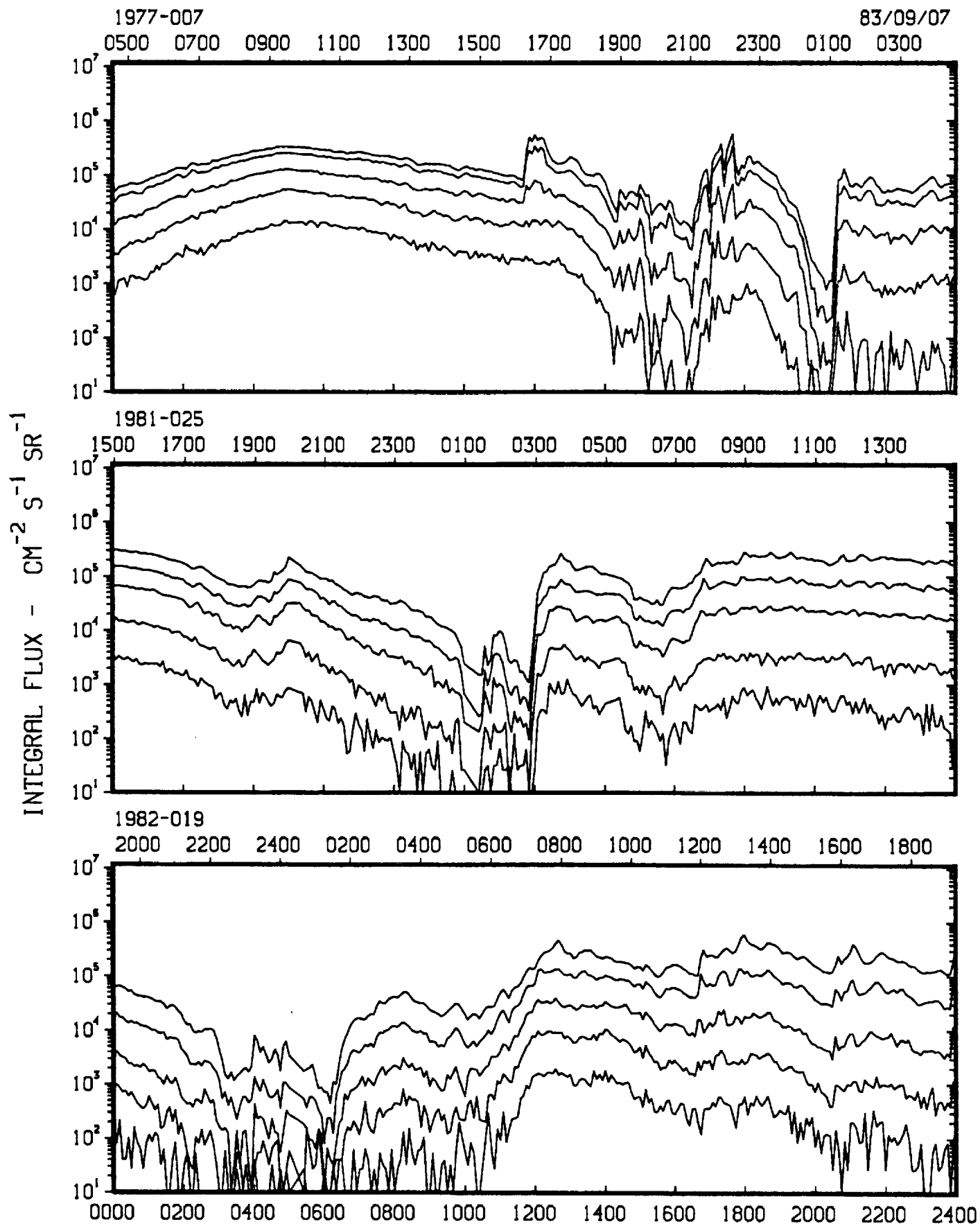
1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

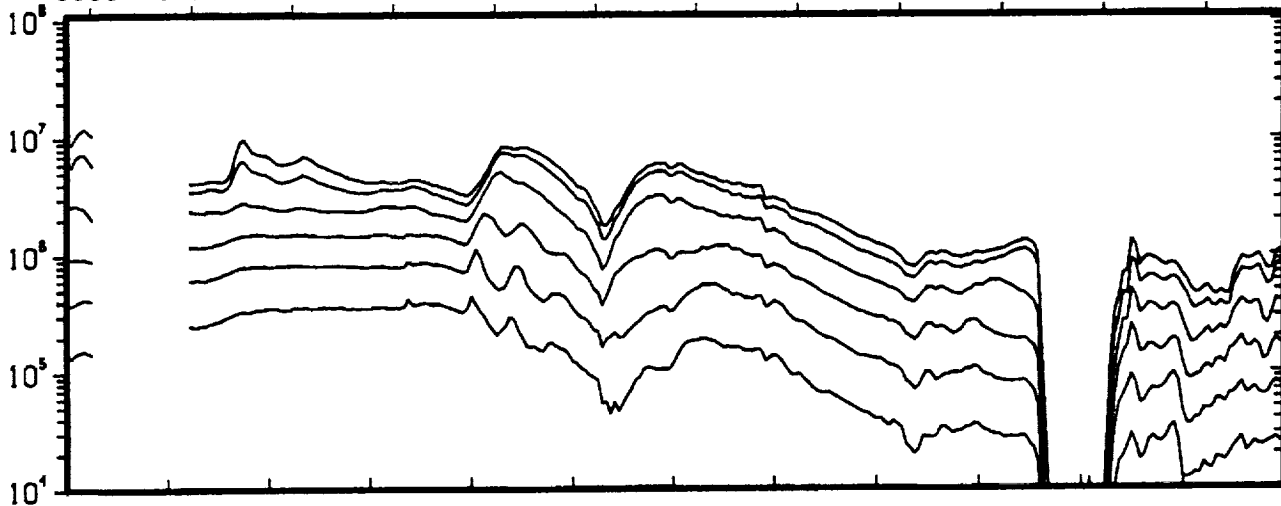


# LOW ENERGY ELECTRONS

1977-007

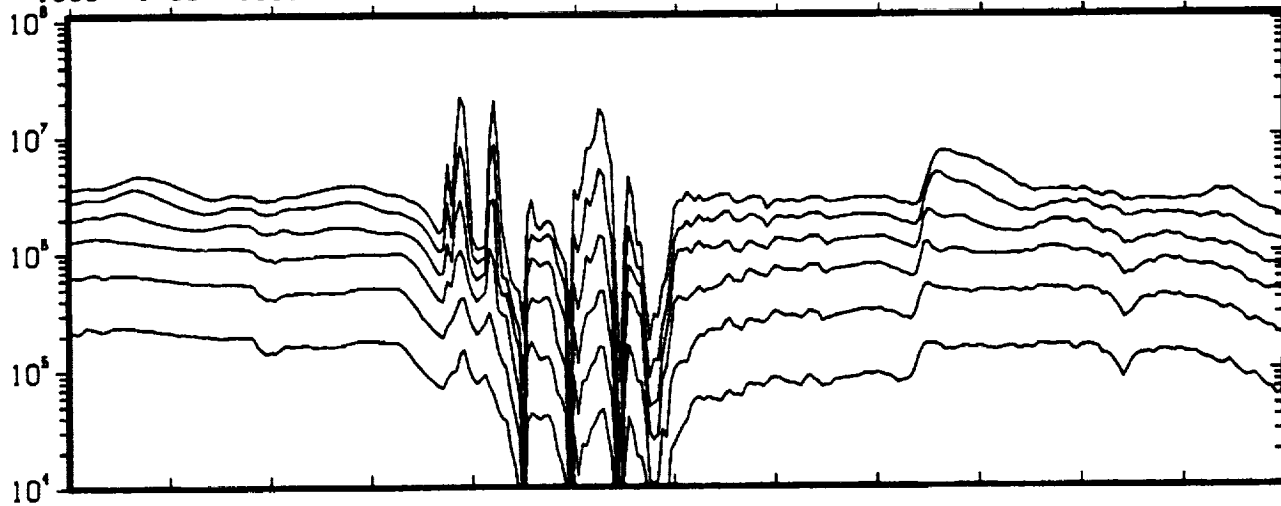
83/09/08

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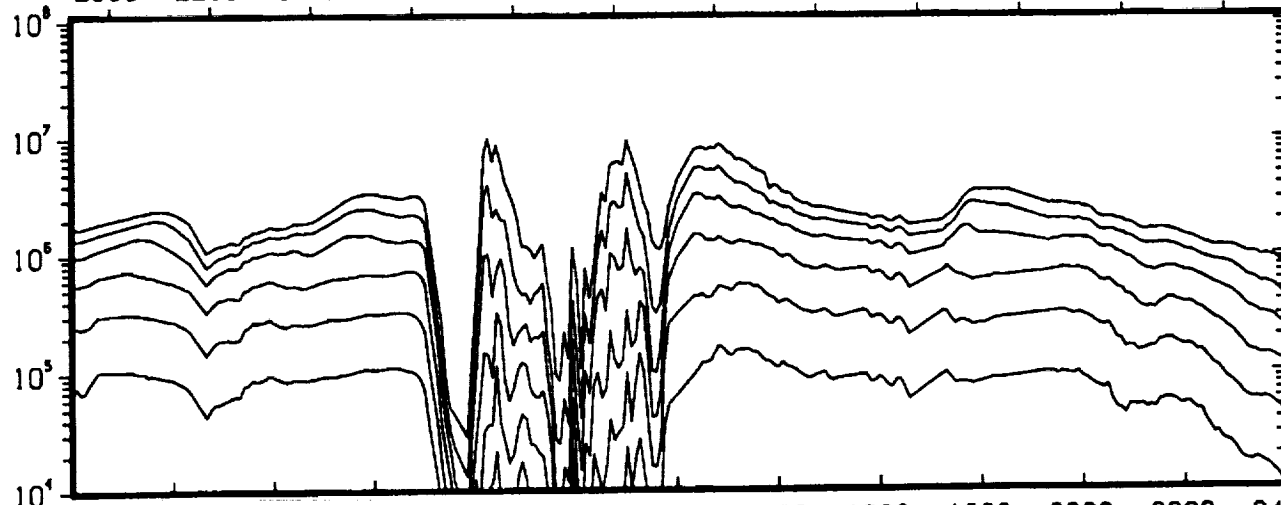
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



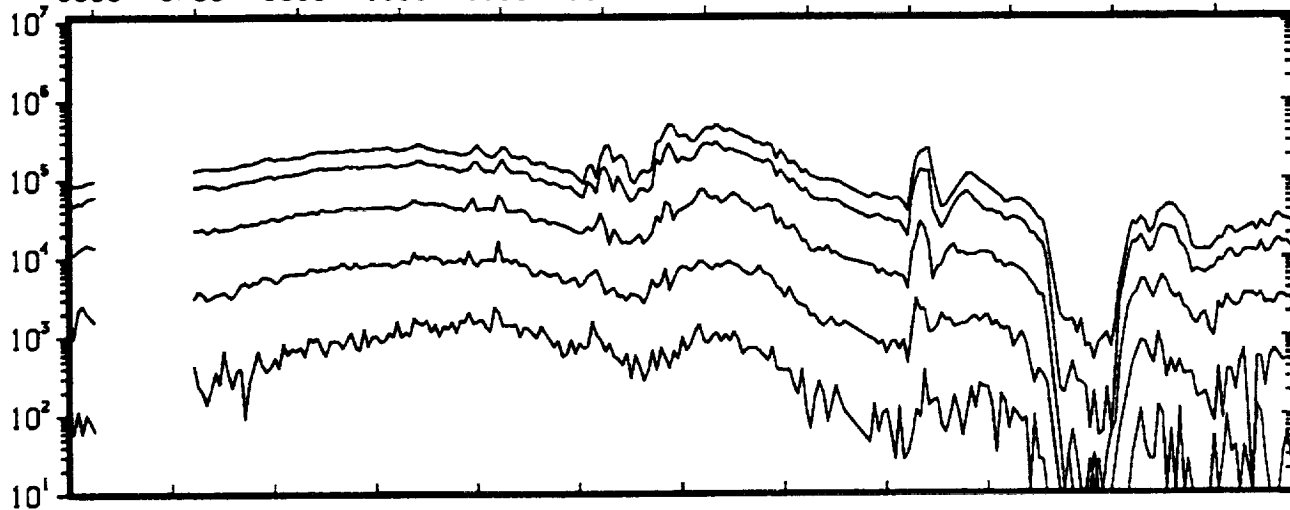
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

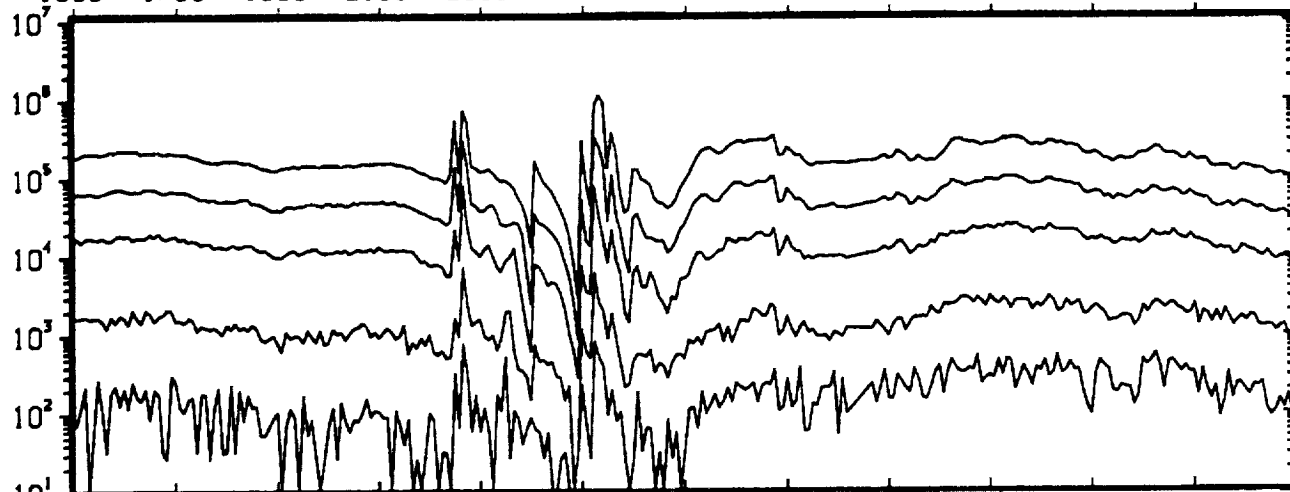
83/09/08

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



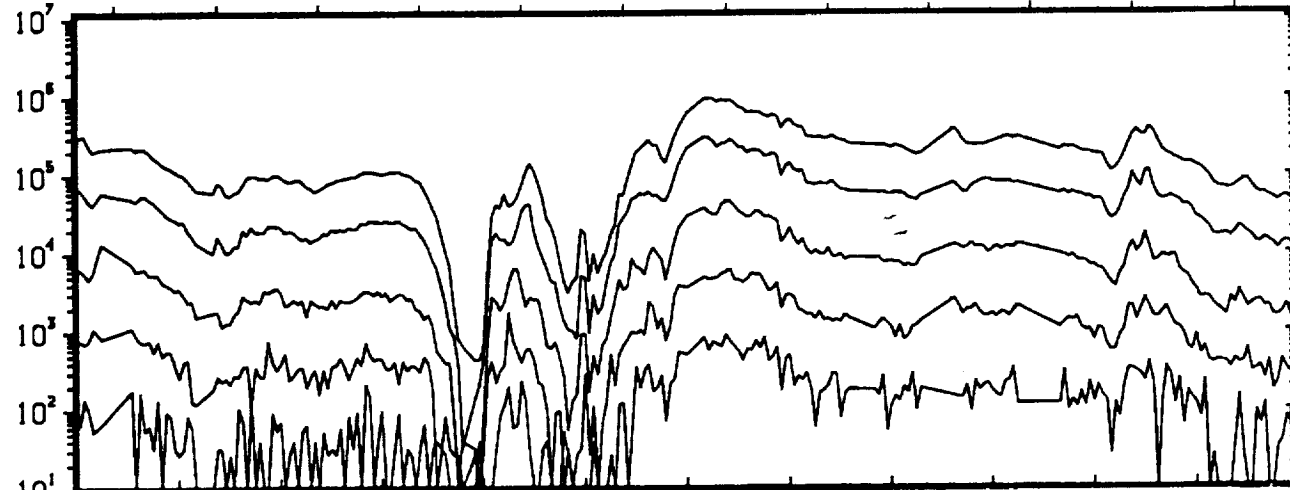
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



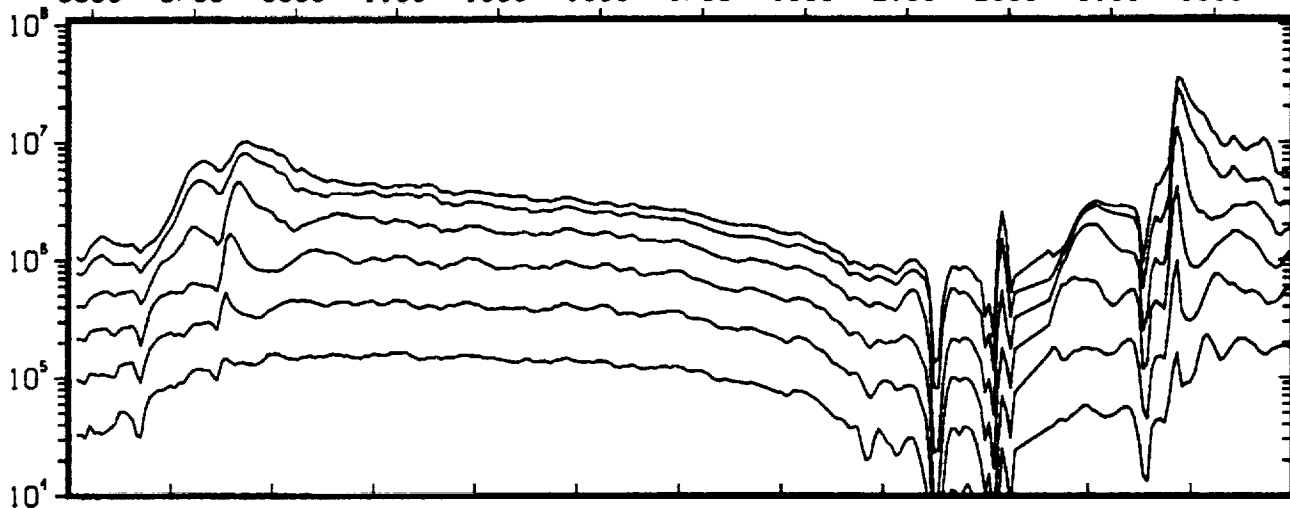
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

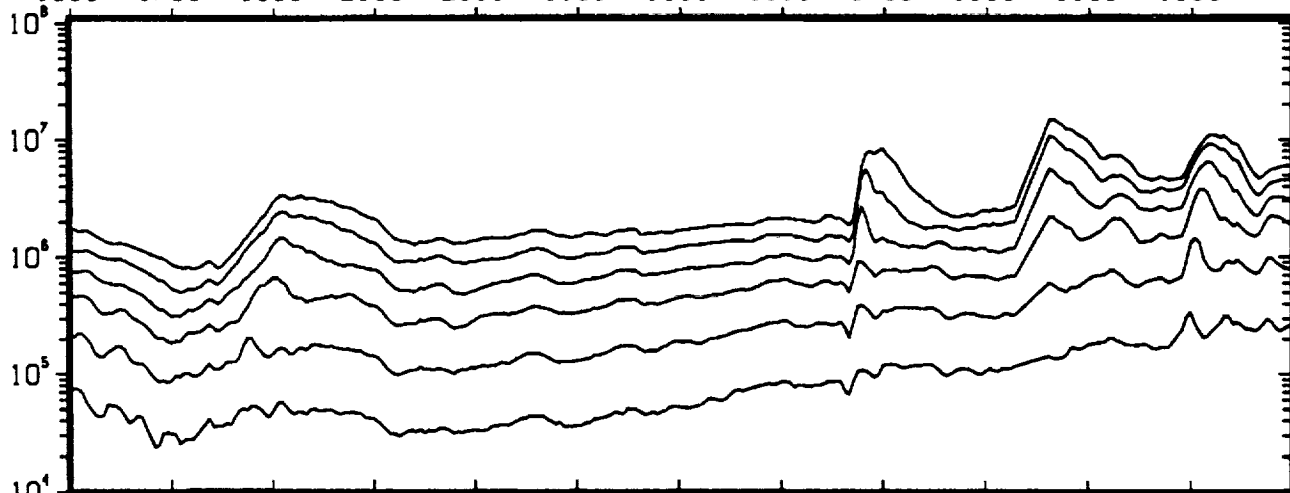
83/09/09

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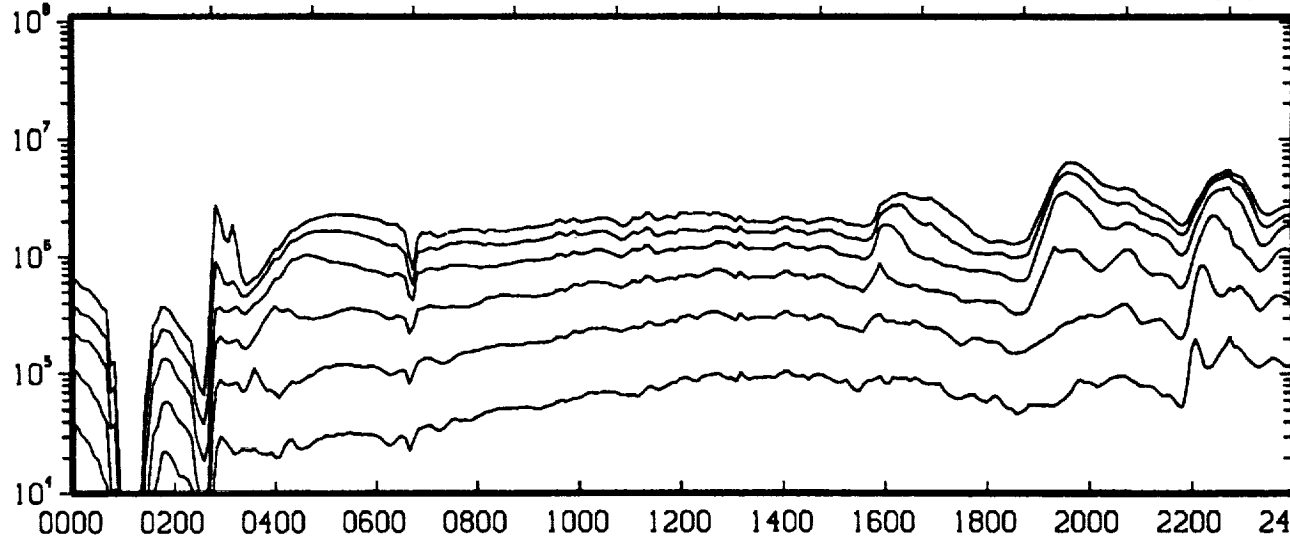
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

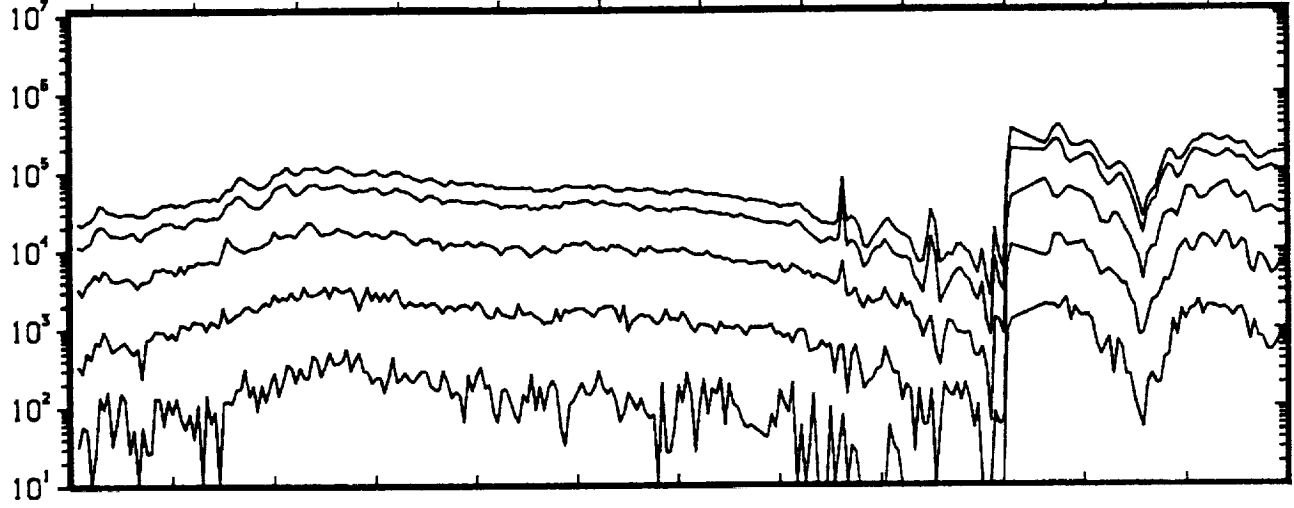


# LOW ENERGY IONS

1977-007

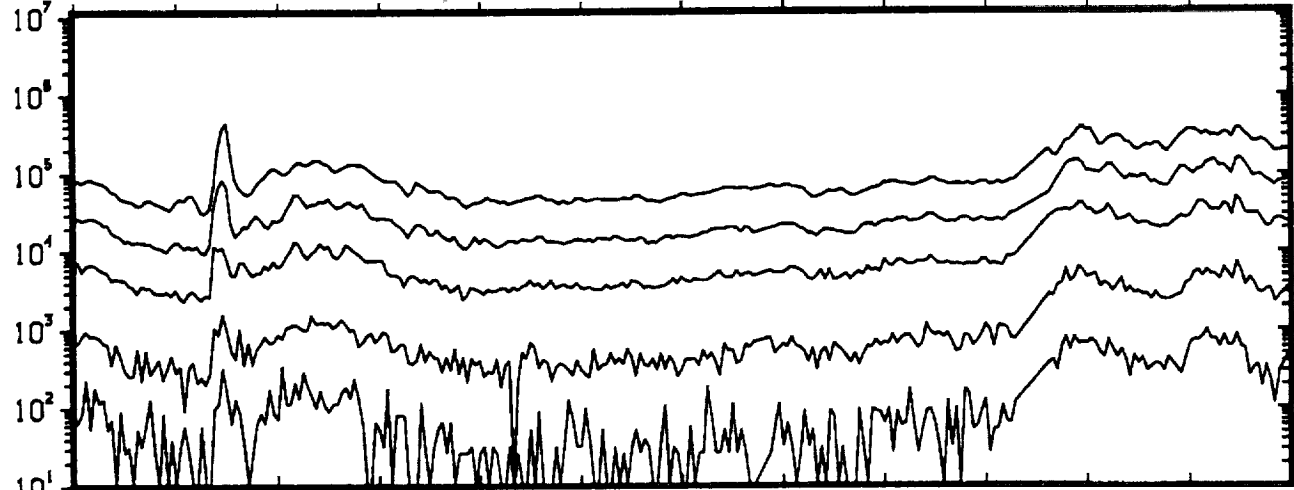
83/09/09

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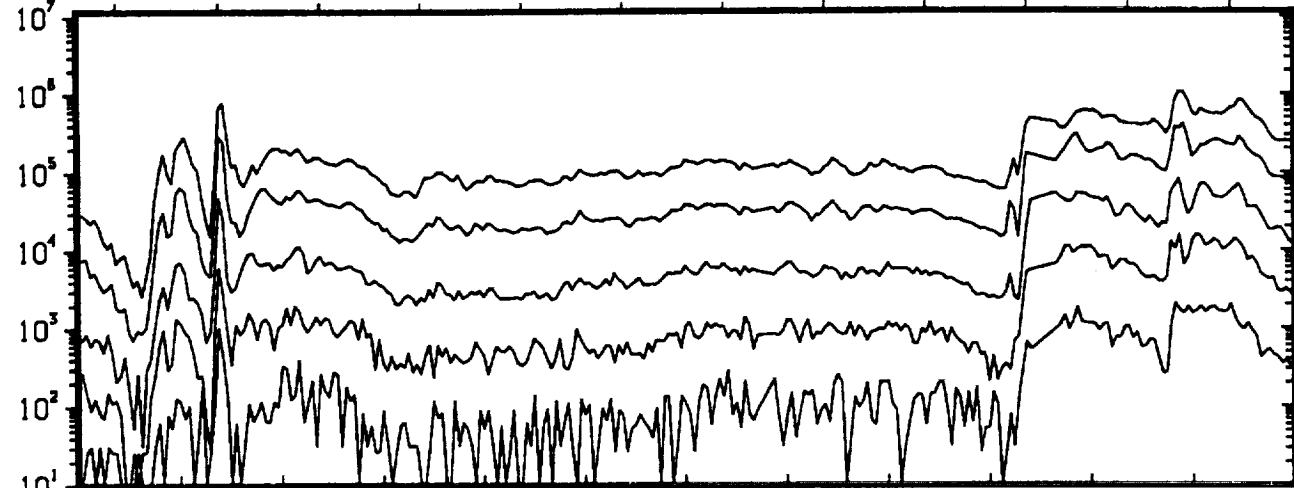
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

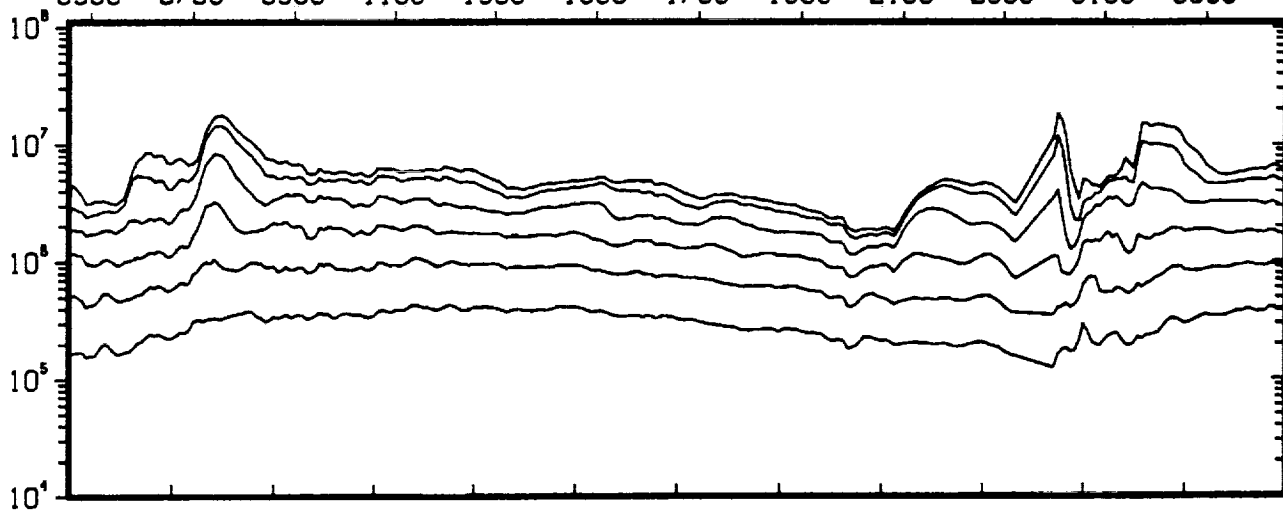
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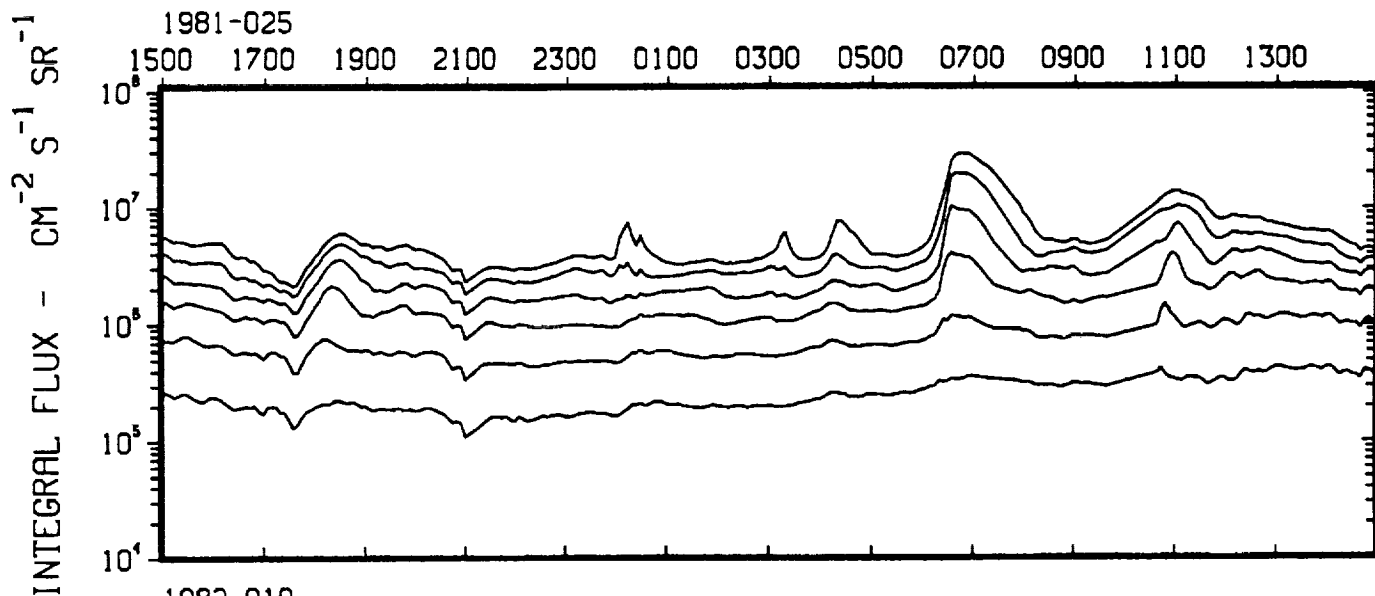
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

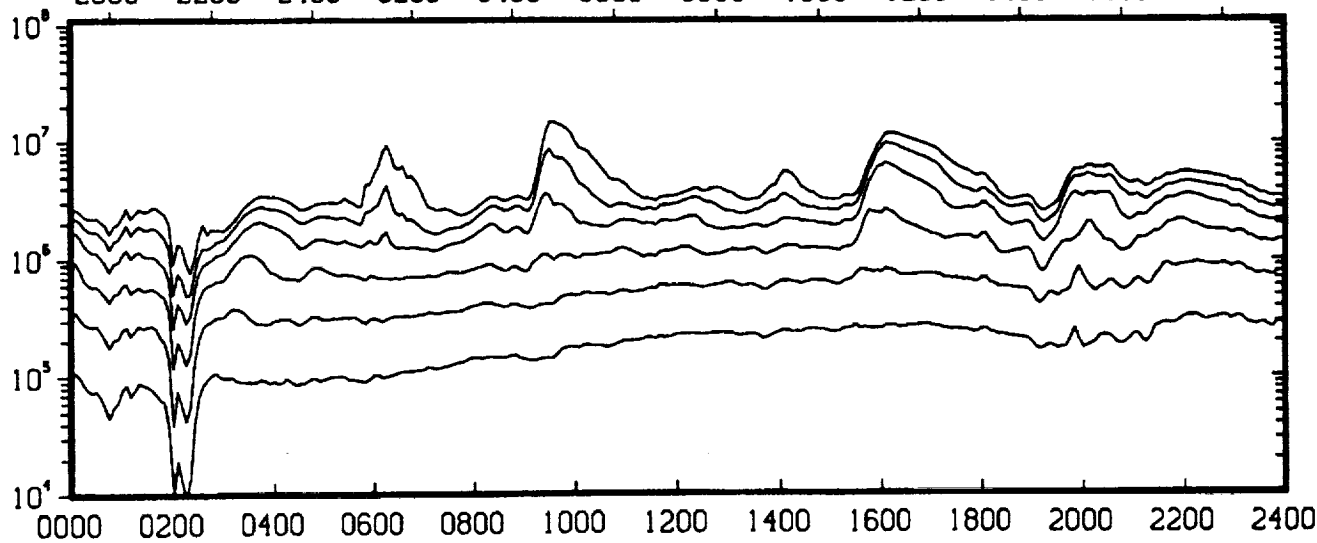
1977-007 83/09/10  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

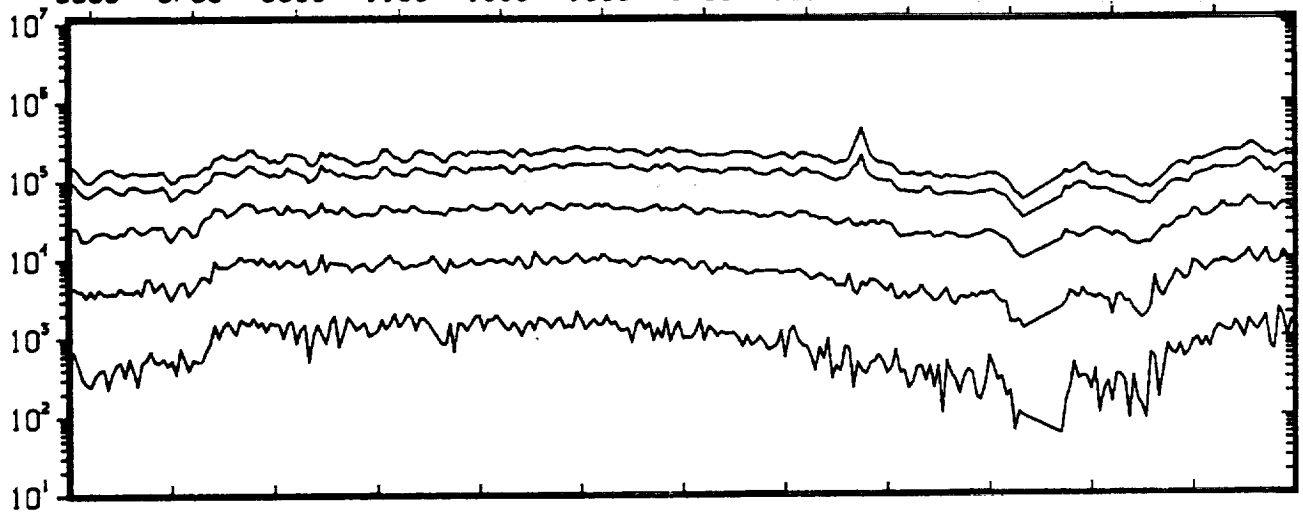


1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



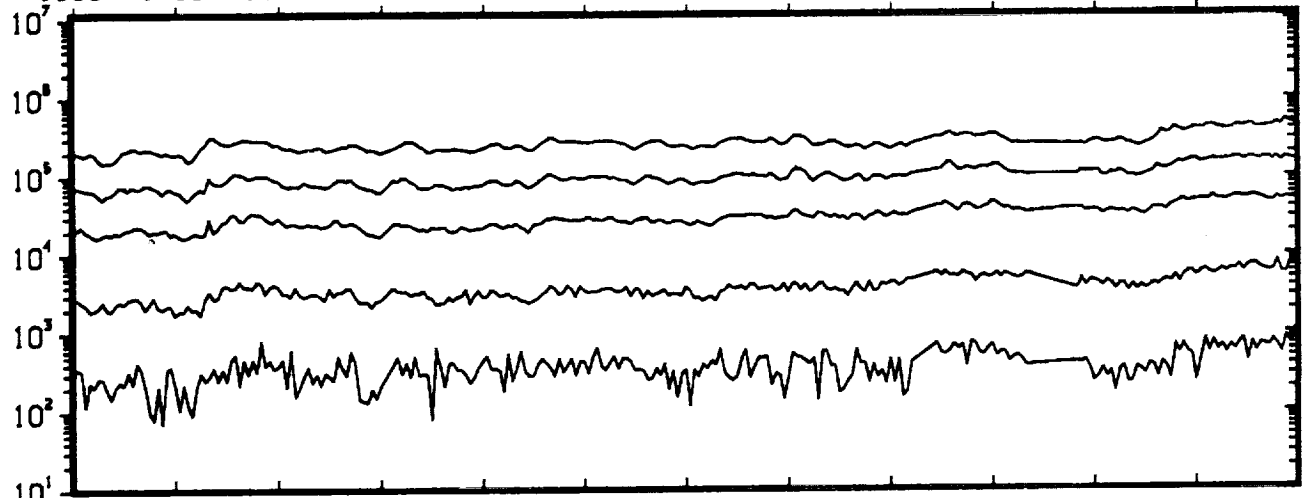
# LOW ENERGY IONS

1977-007 83/09/10  
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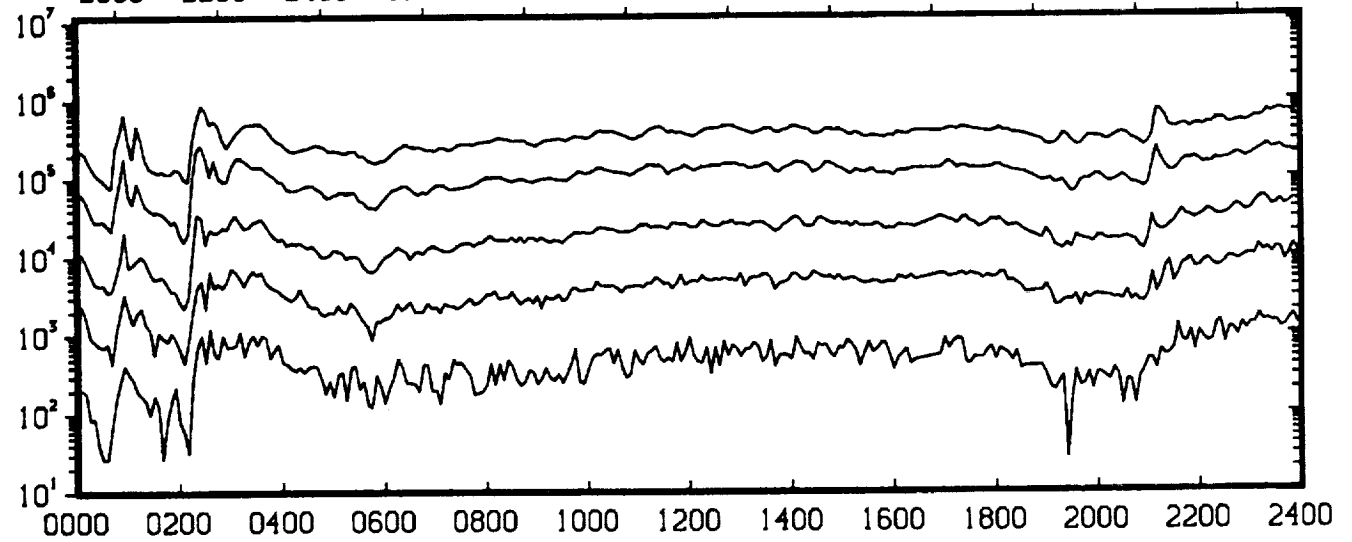


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

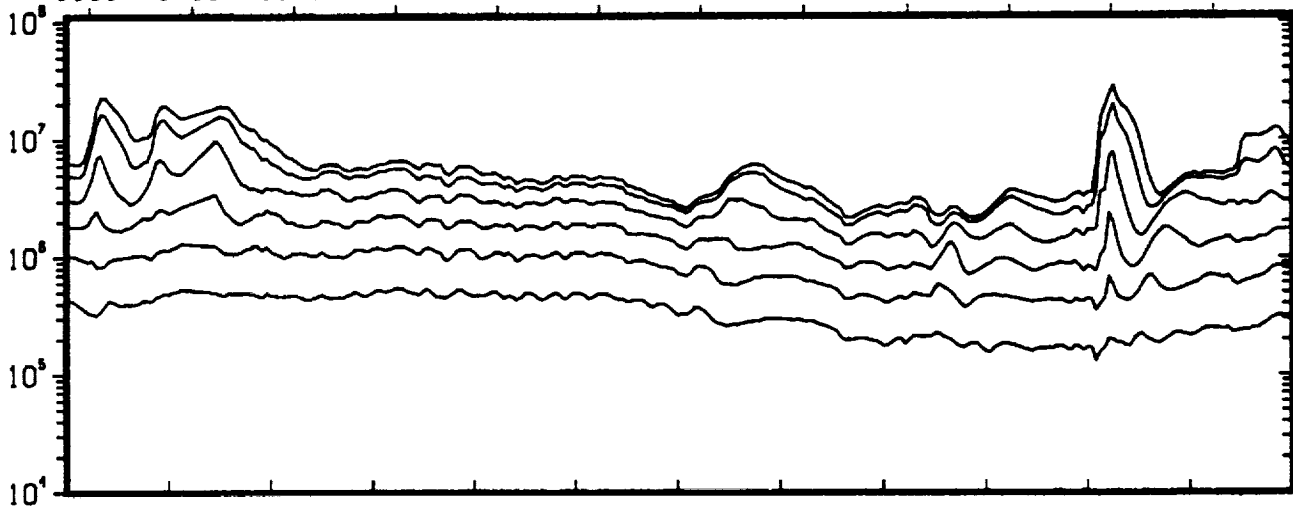


# LOW ENERGY ELECTRONS

1977-007

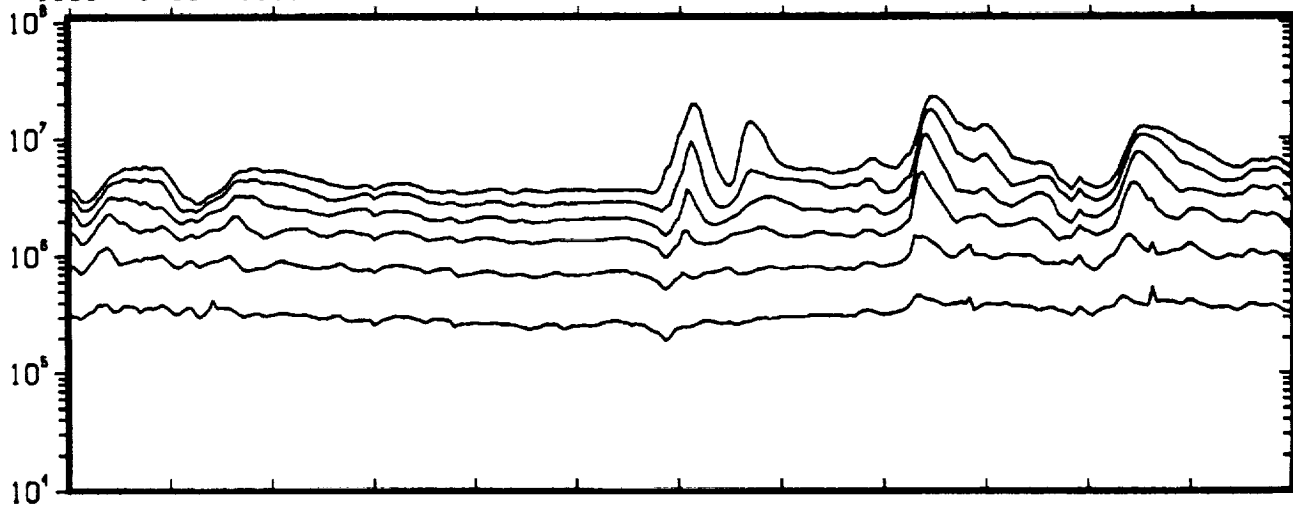
83/09/11

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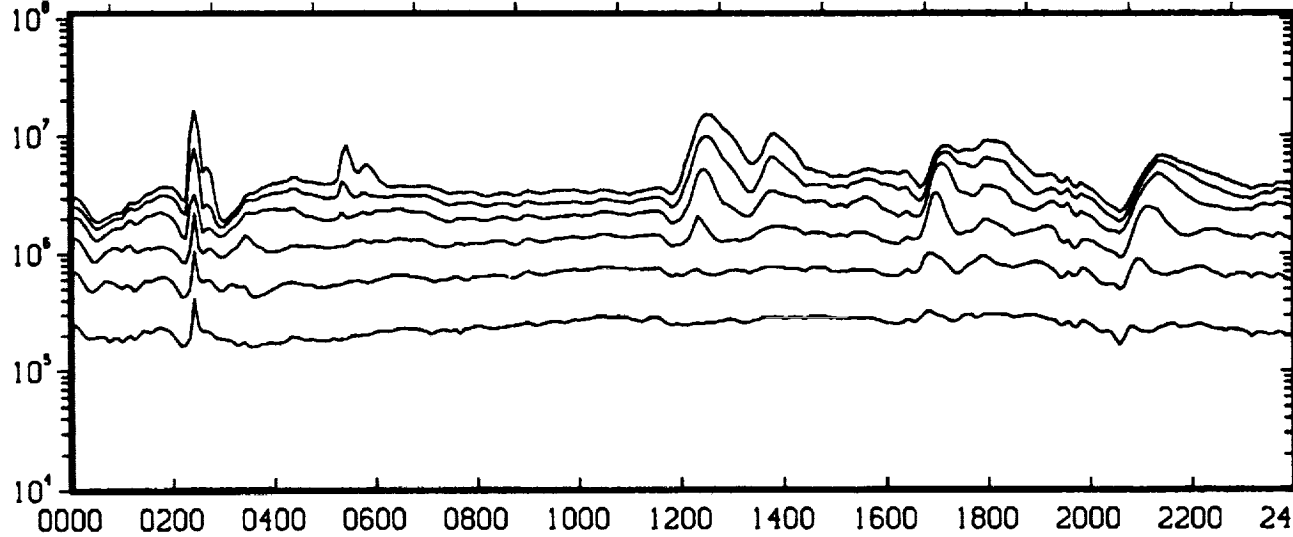
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

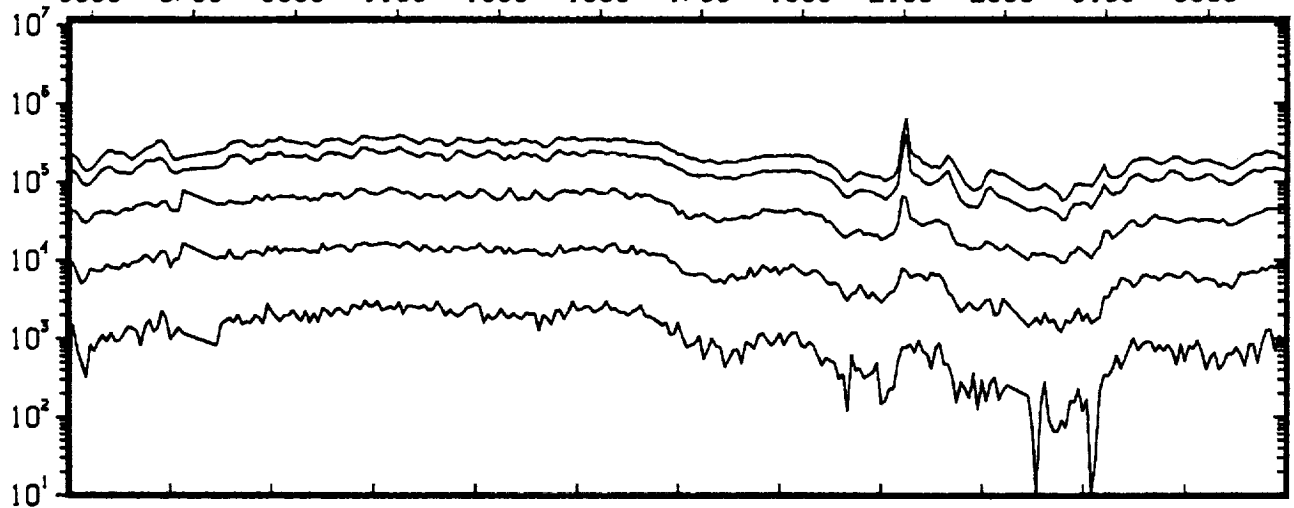
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



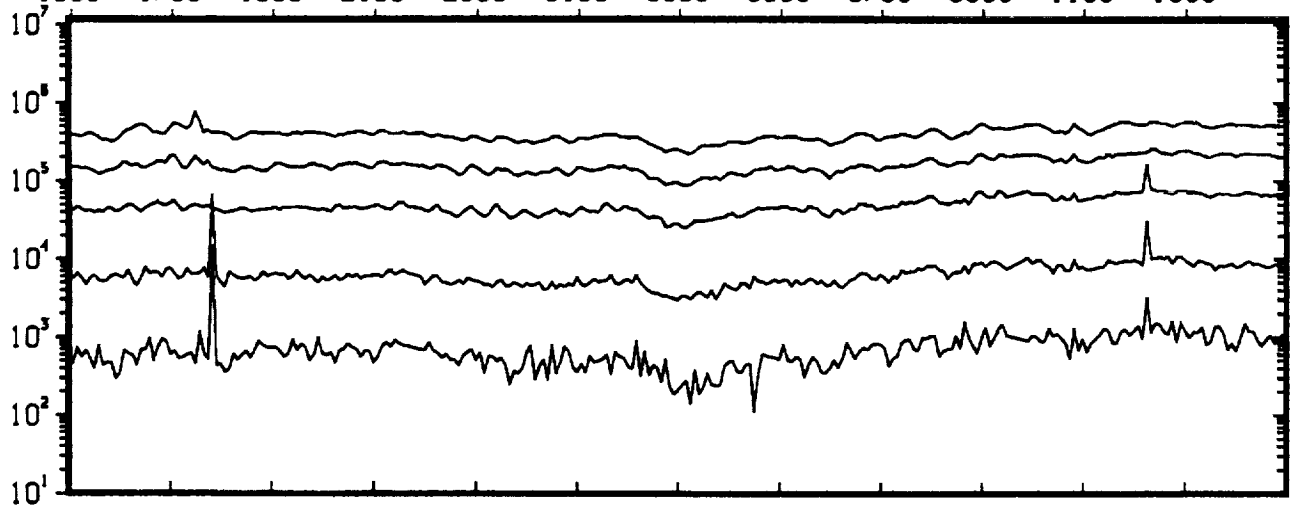
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

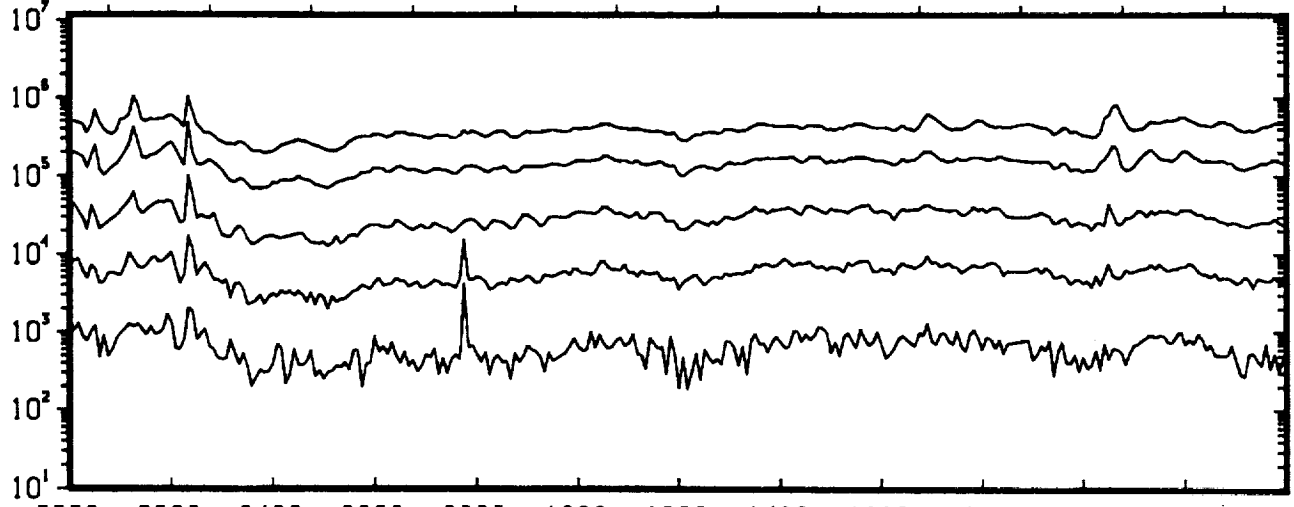
1977-007 83/09/11  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
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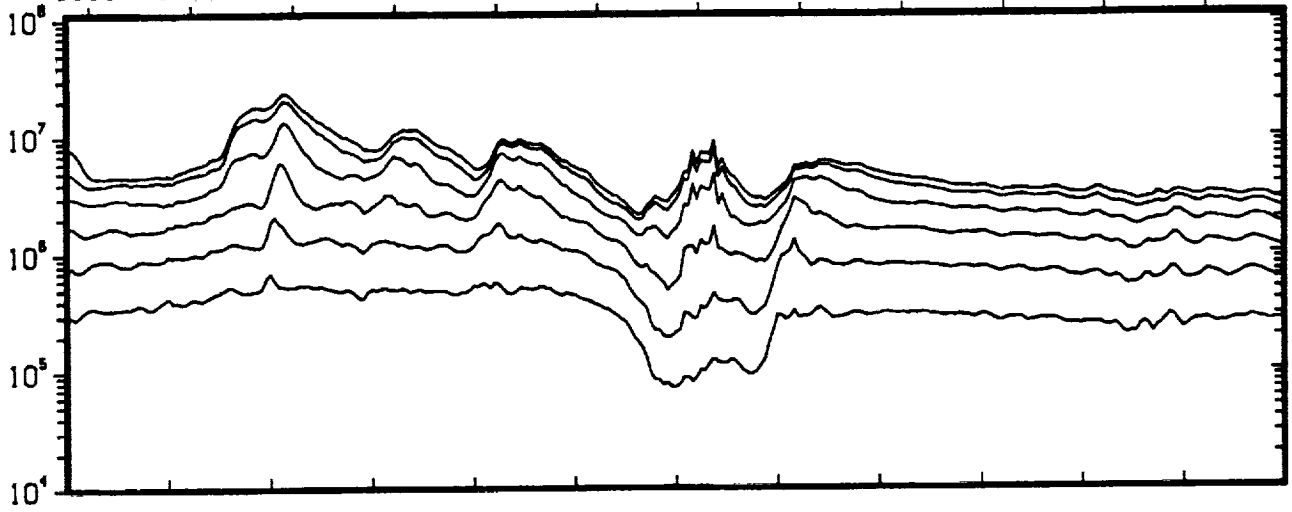
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

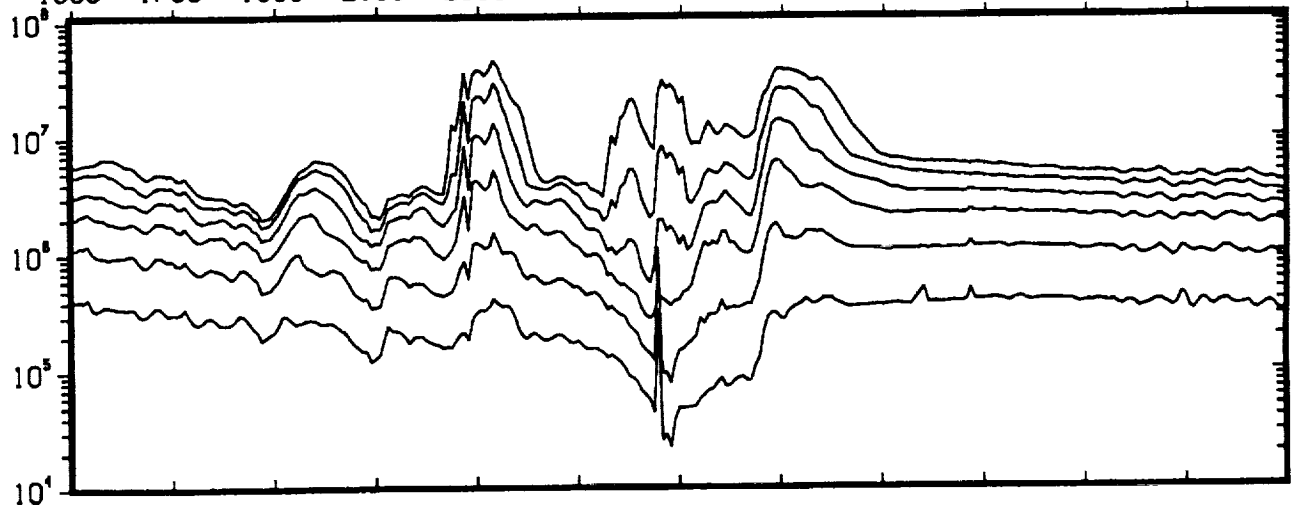
83/09/12

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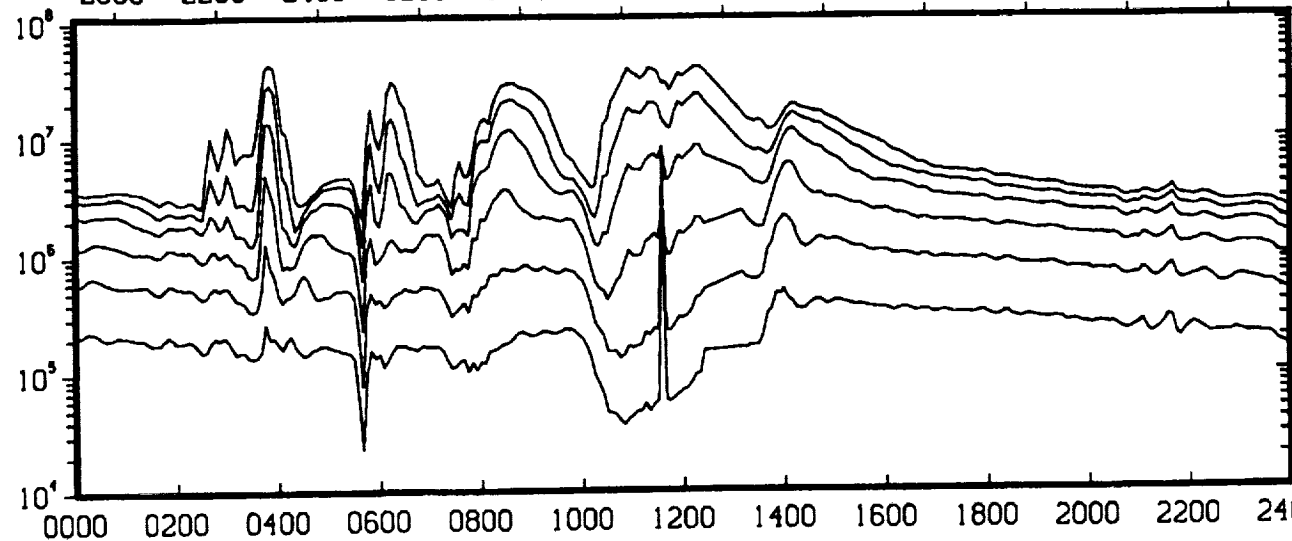
1981-025

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1982-019

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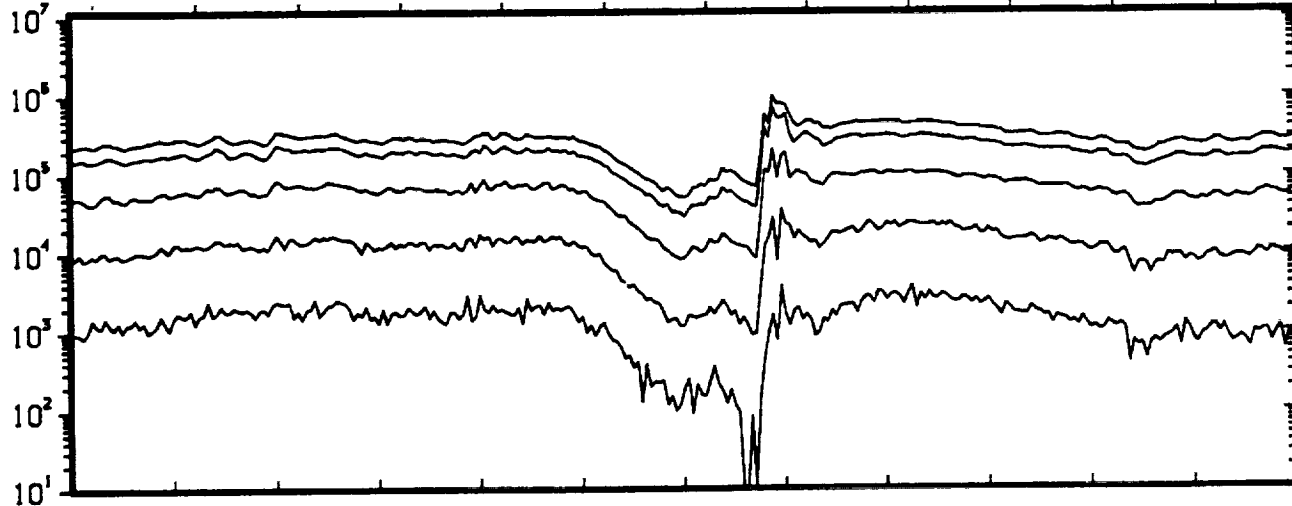
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/09/12

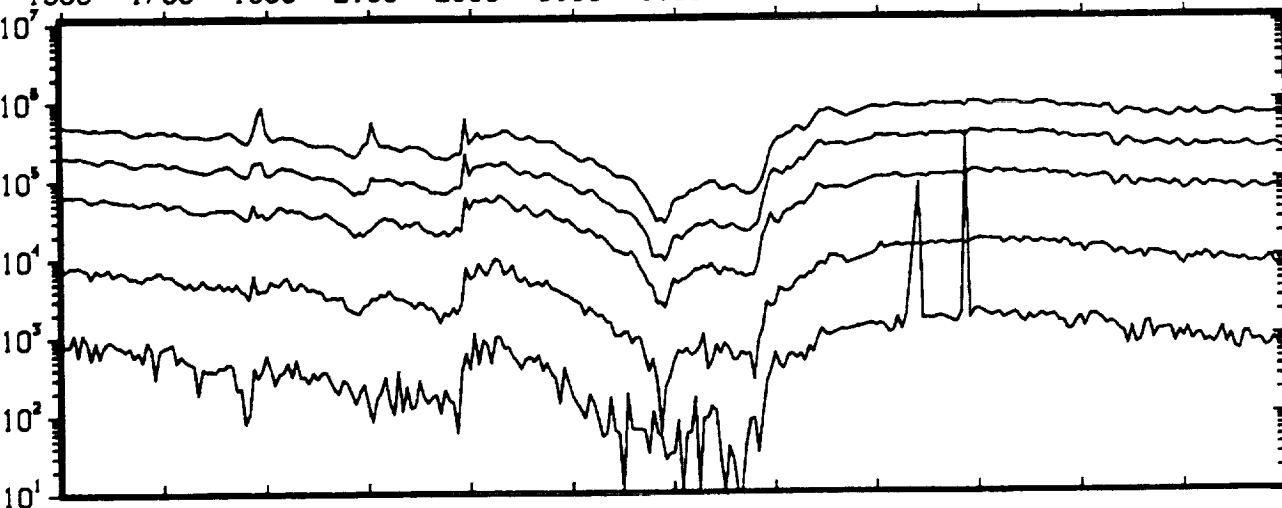
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1981-025

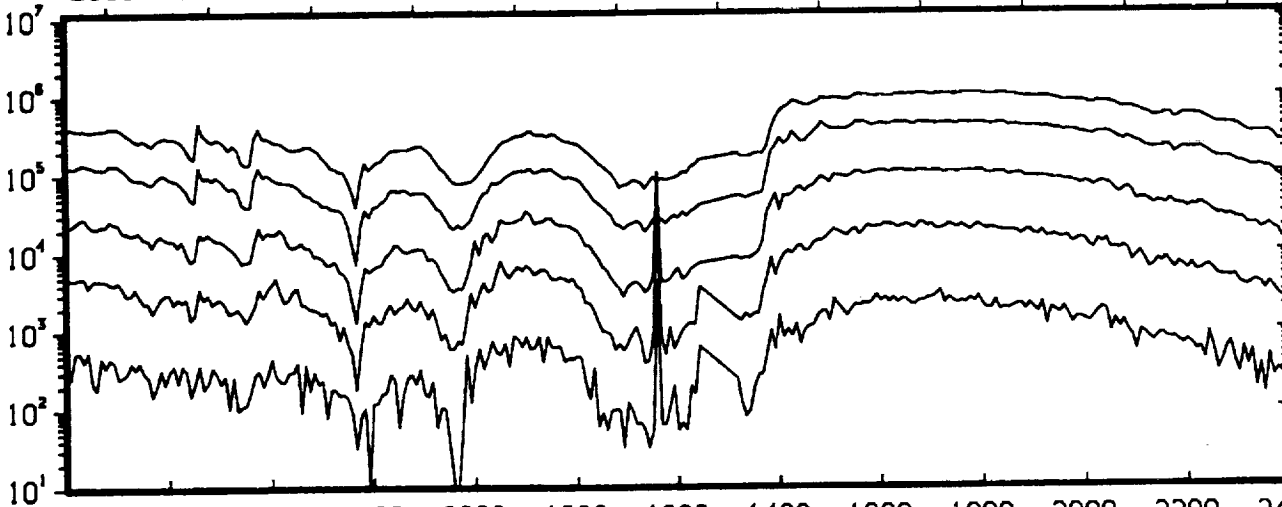
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



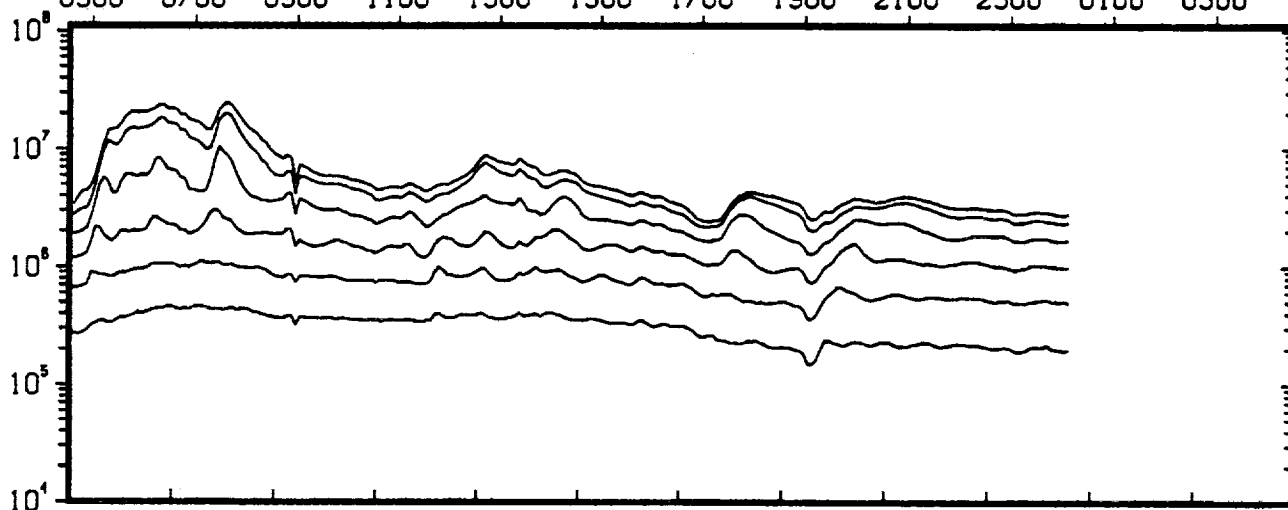
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

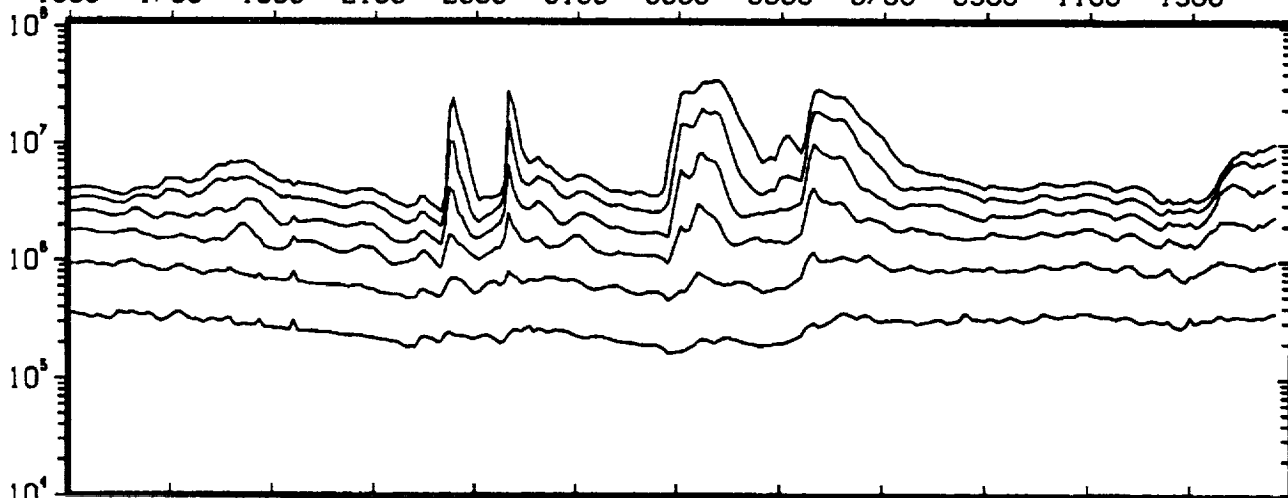
83/09/13

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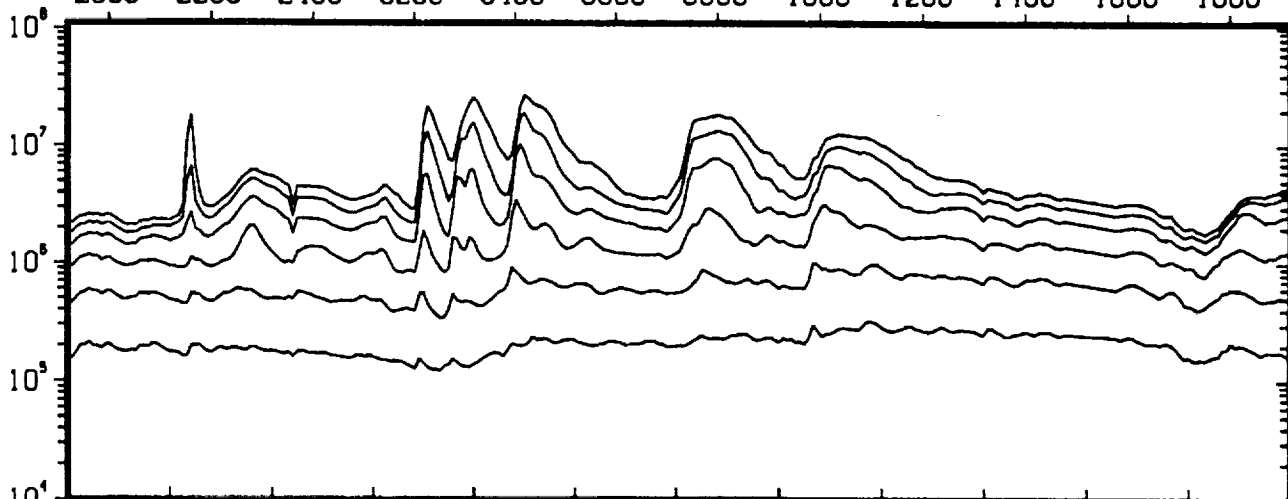
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

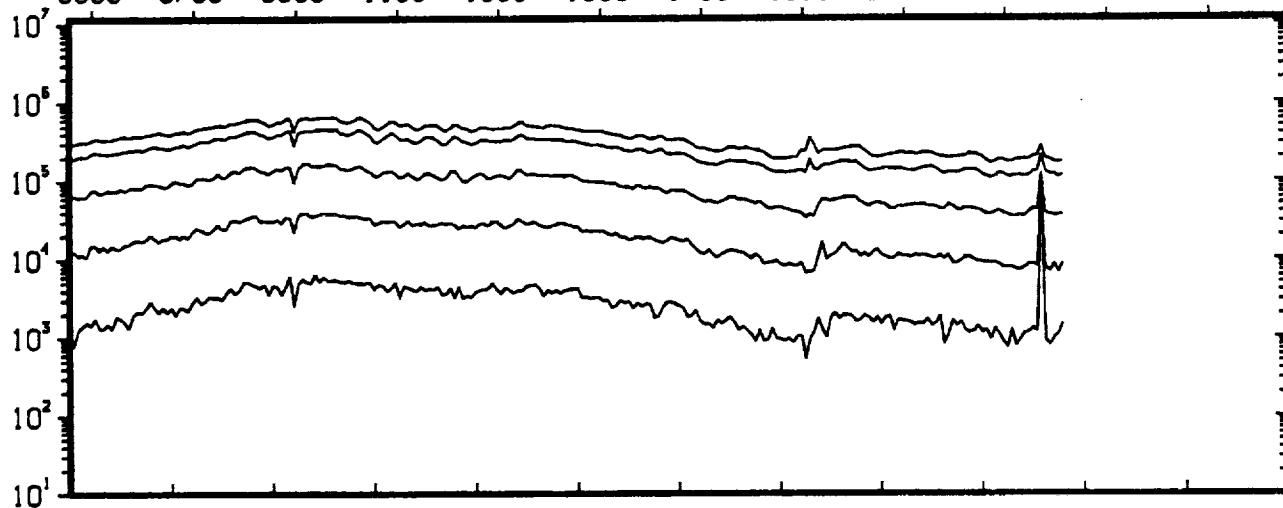


# LOW ENERGY IONS

1977-007

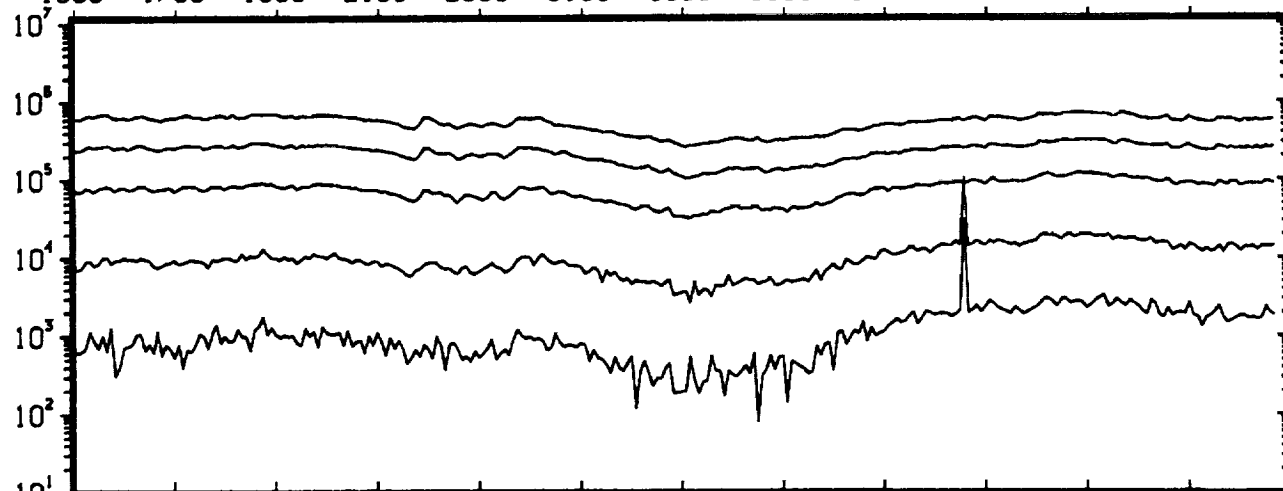
83/09/13

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



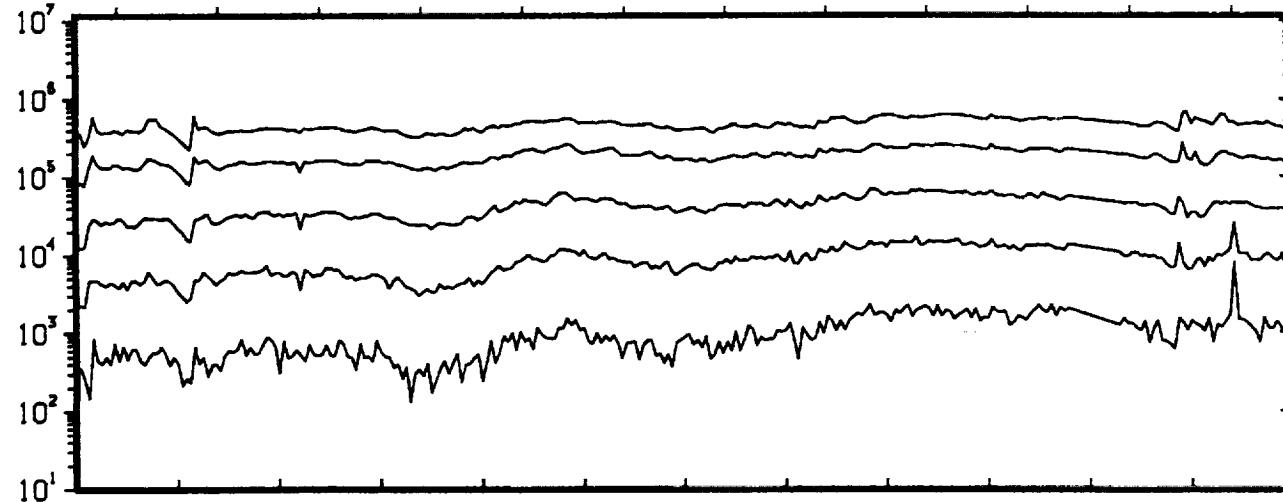
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

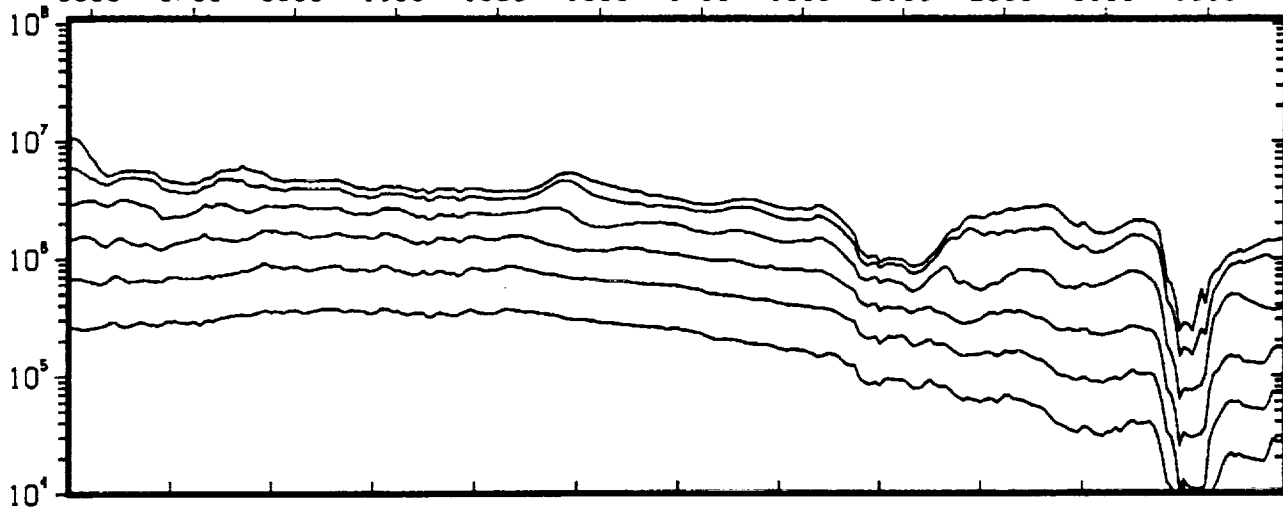
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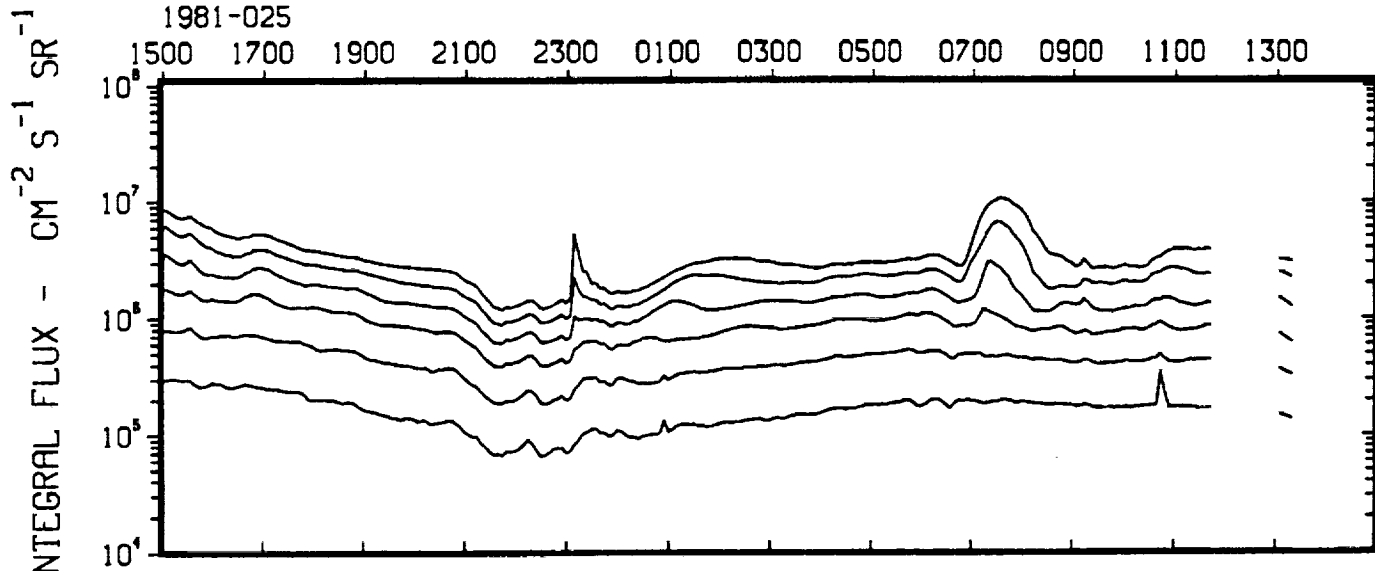
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

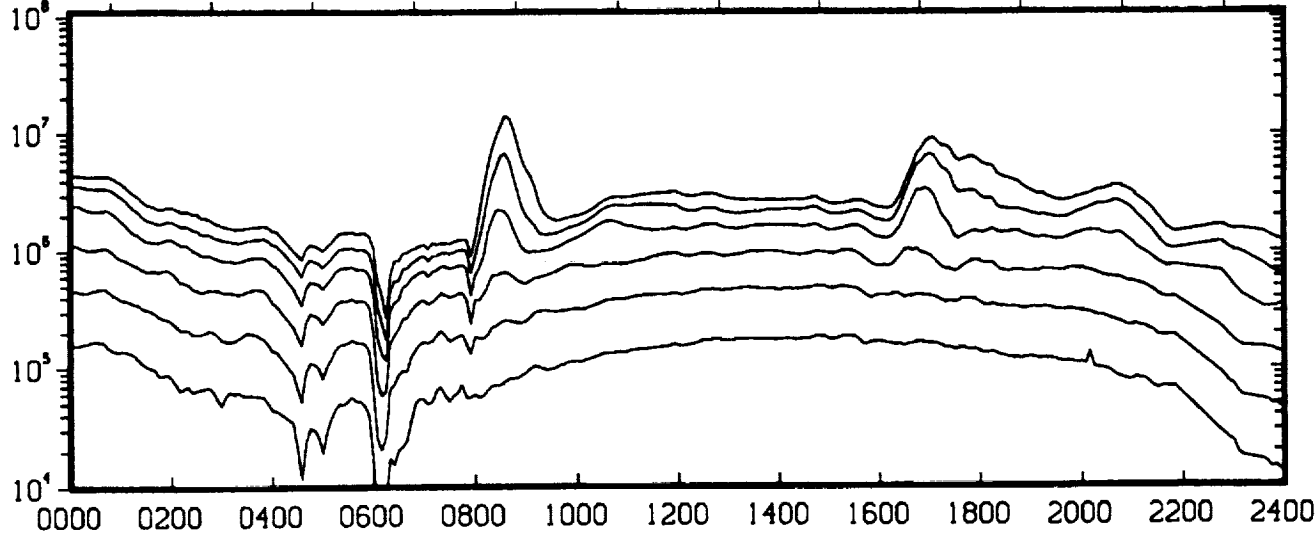
1977-007 83/09/14  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

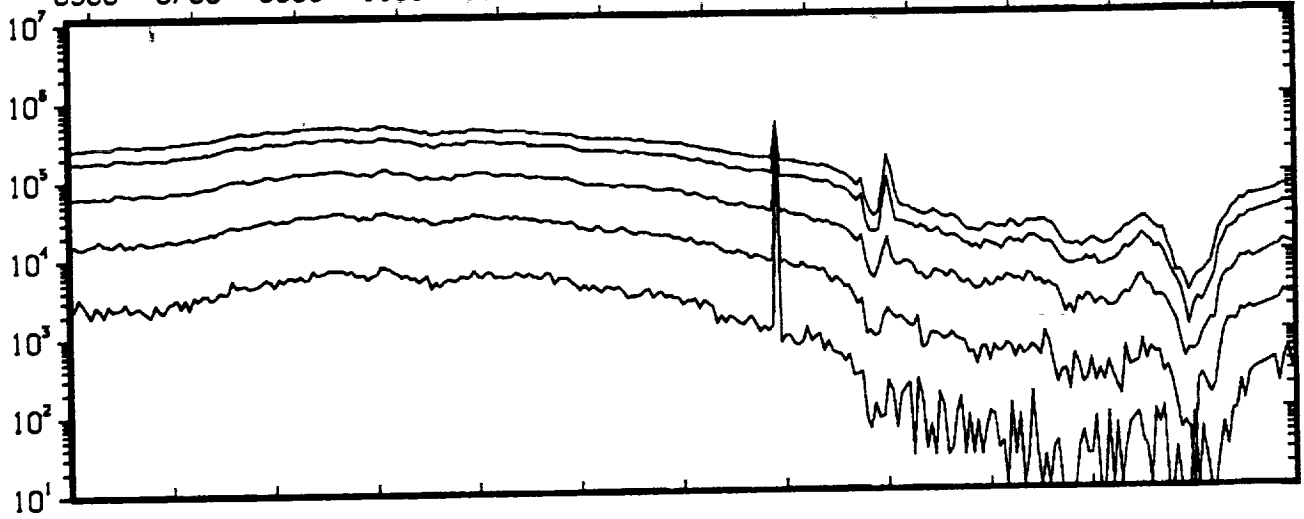


# LOW ENERGY IONS

1977-007

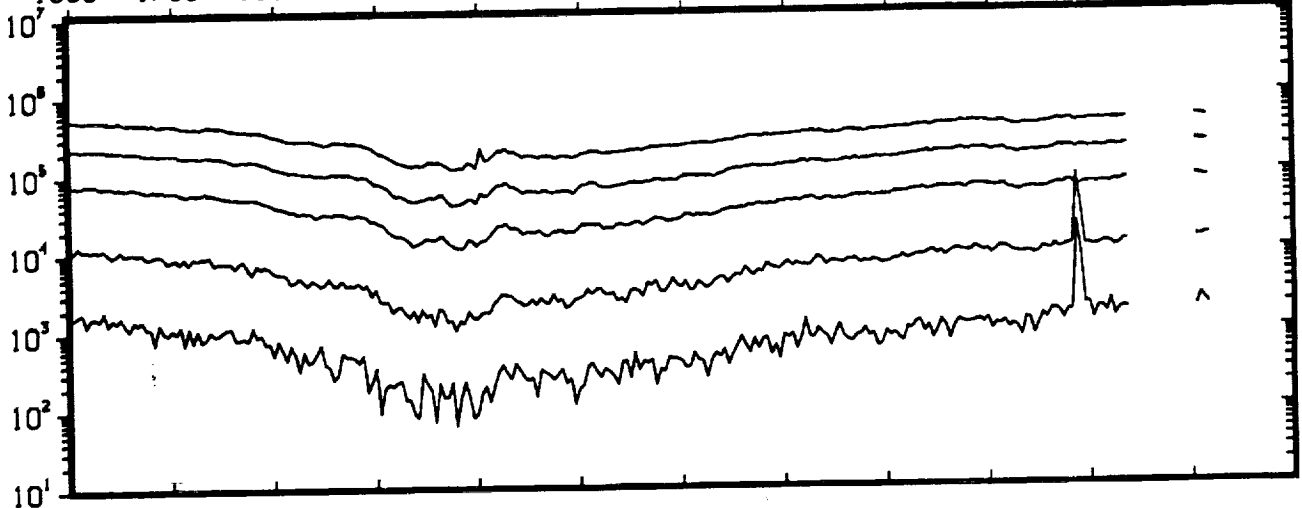
83/09/14

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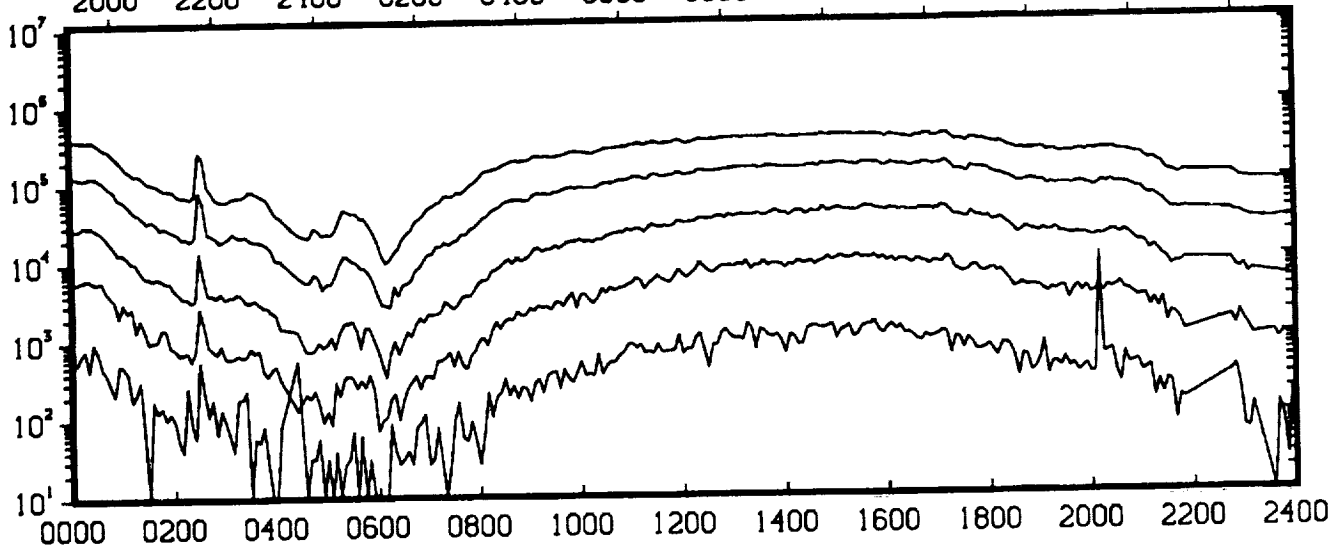
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



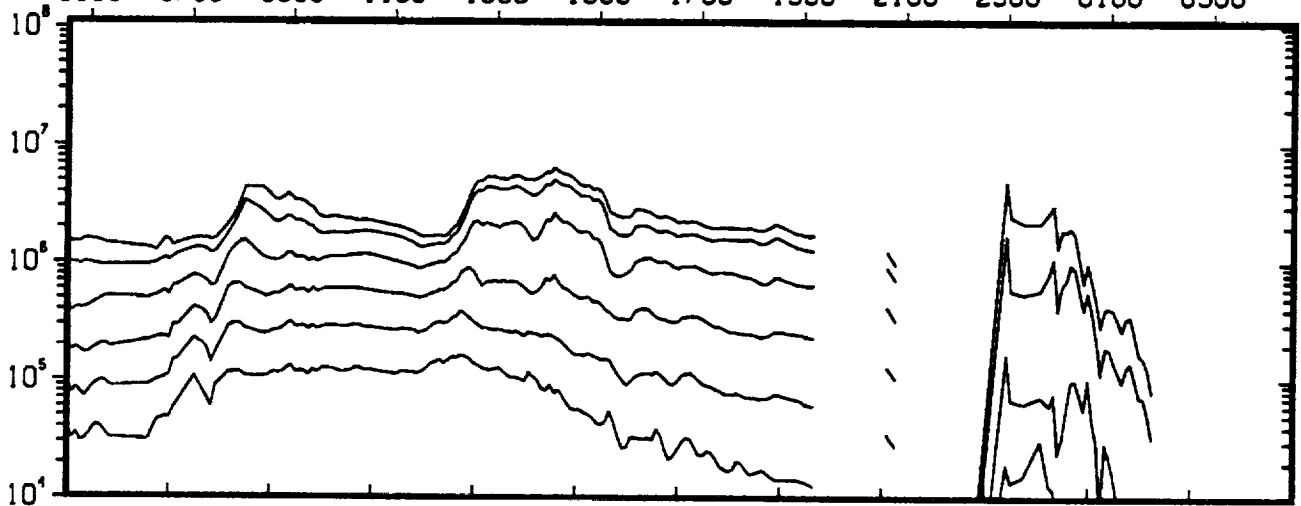
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

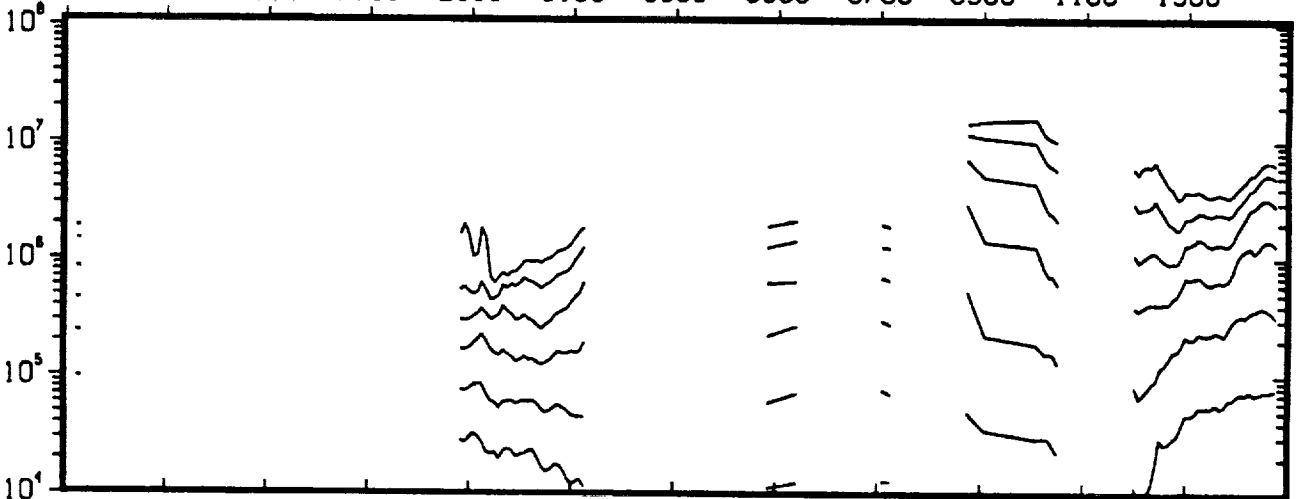
83/09/15

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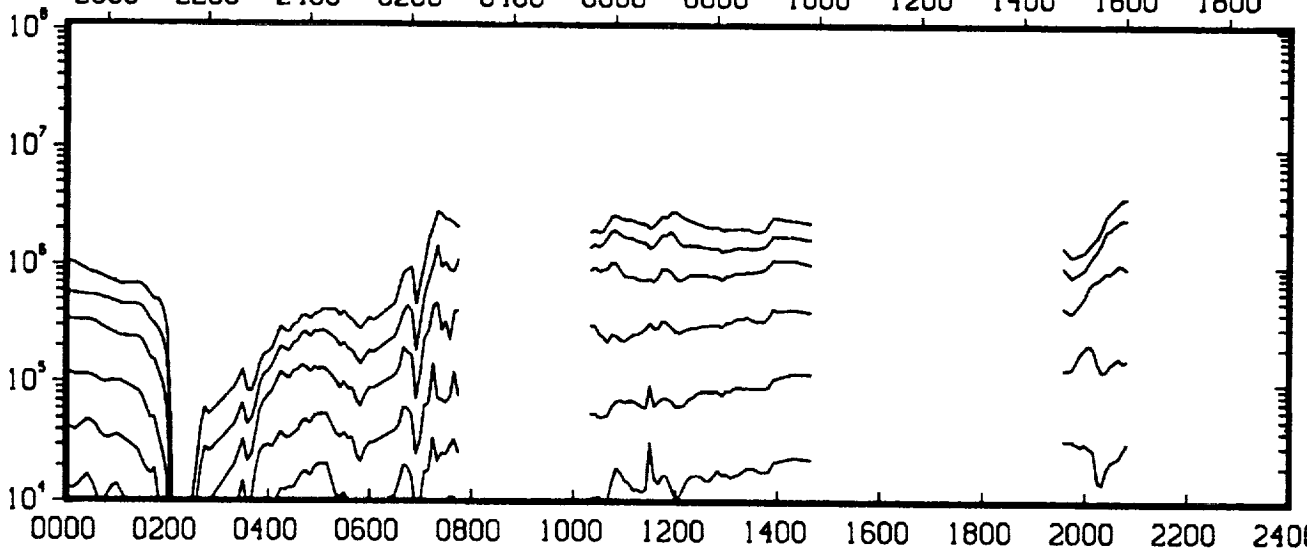
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

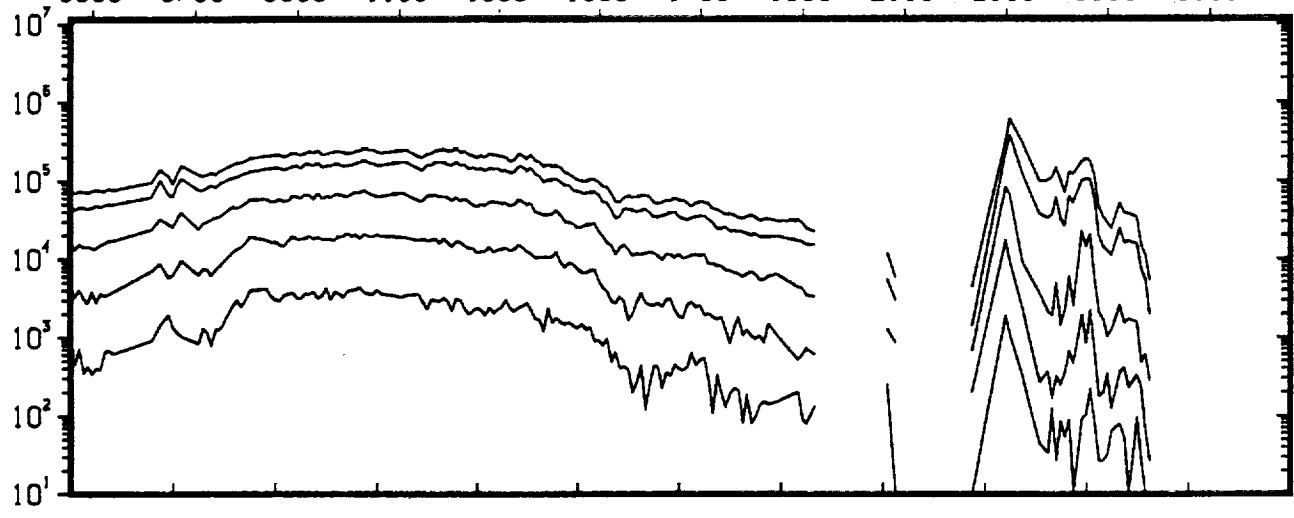
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

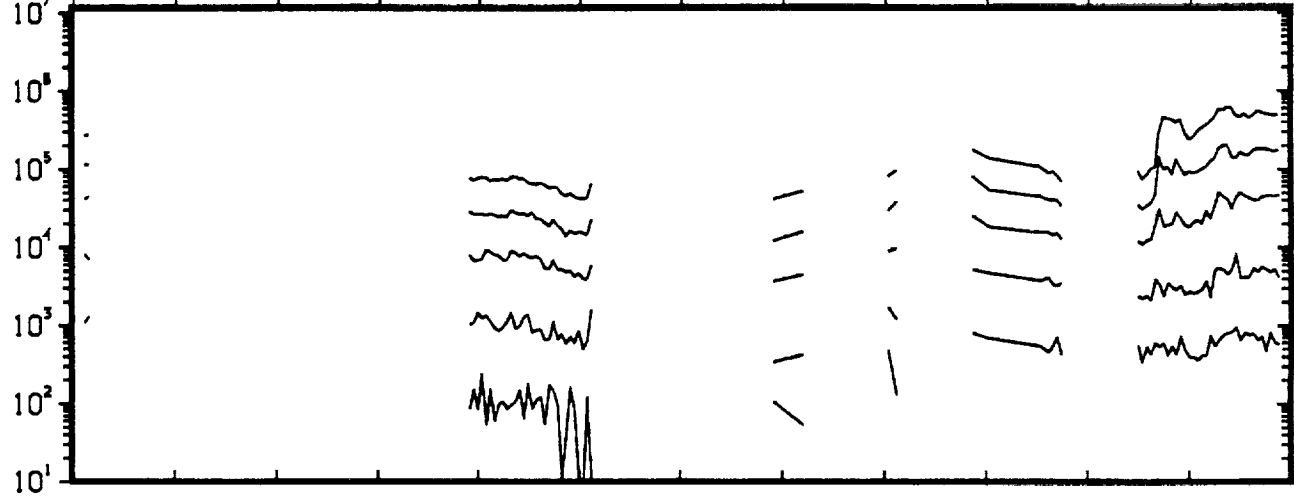
# LOW ENERGY IONS

1977-007 83/09/15  
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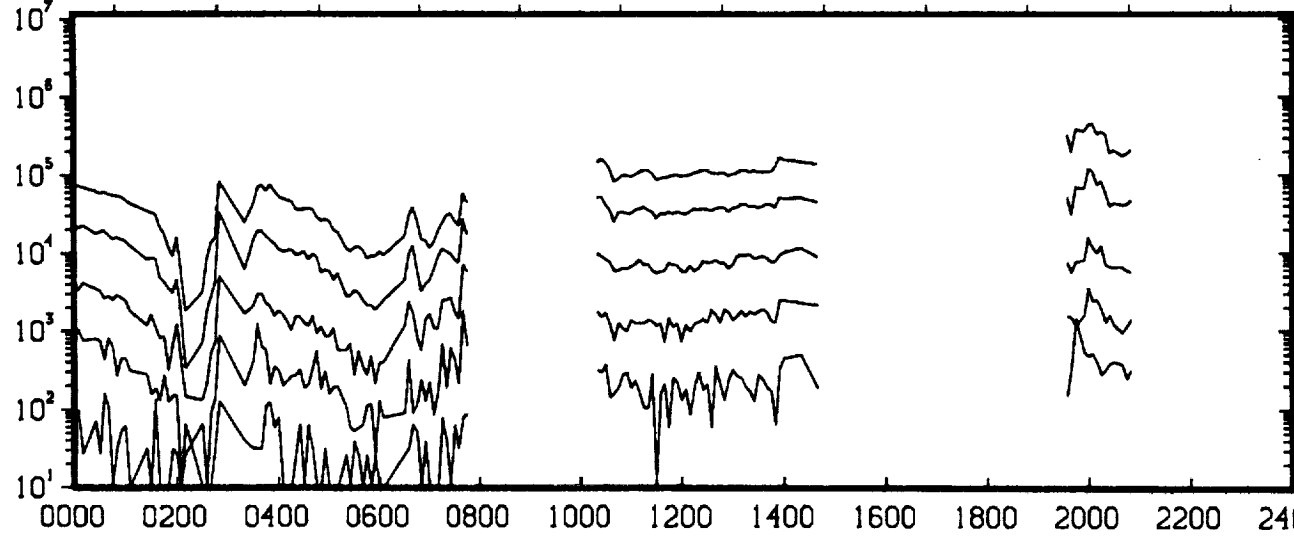


1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

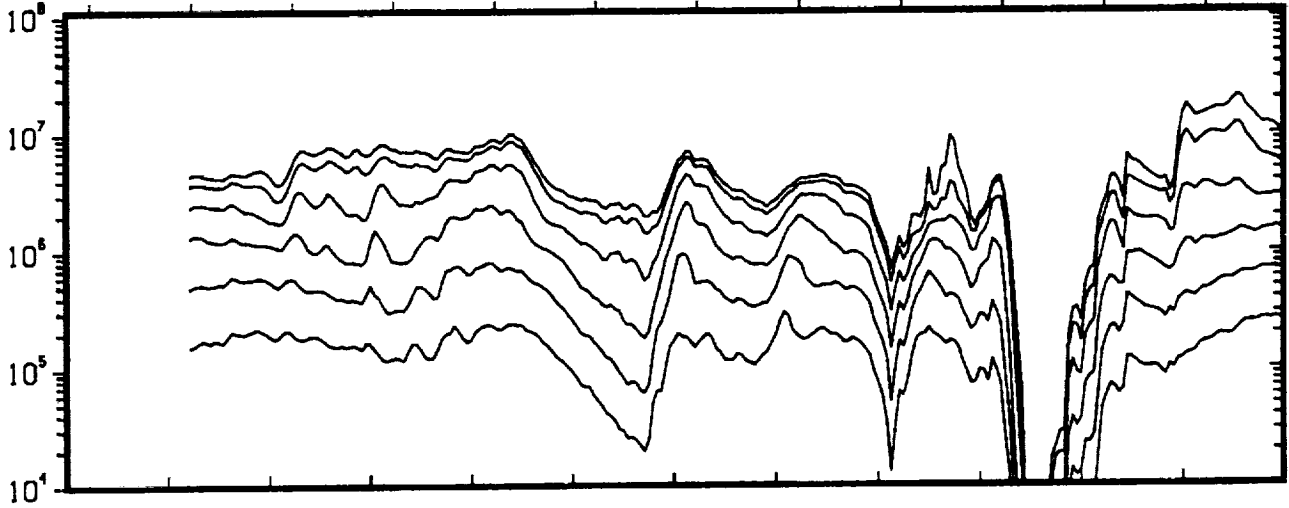


# LOW ENERGY ELECTRONS

1977-007

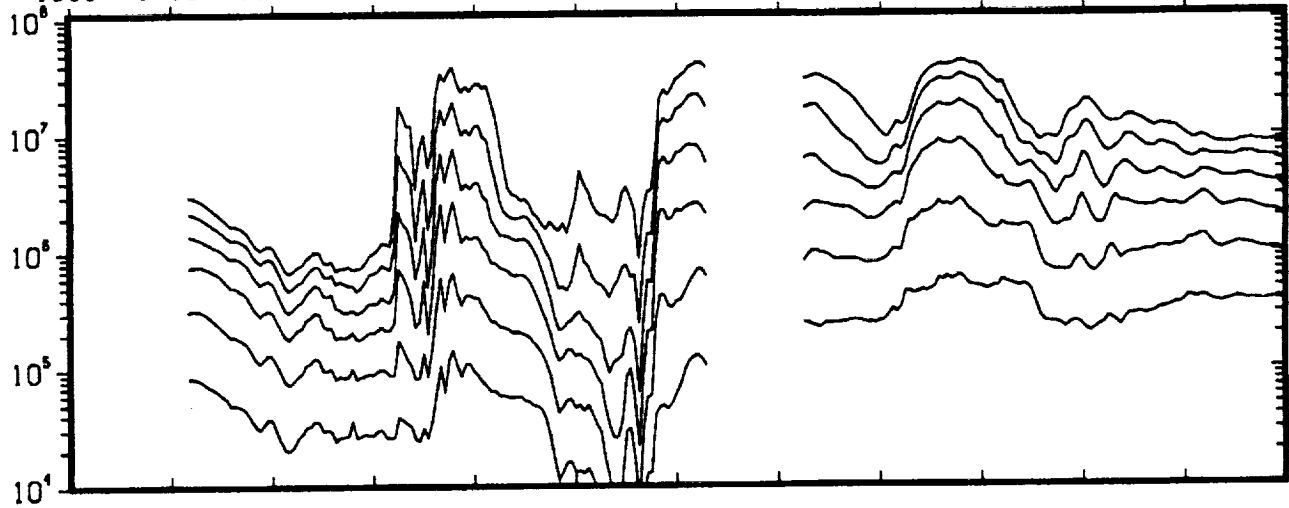
83/09/16

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



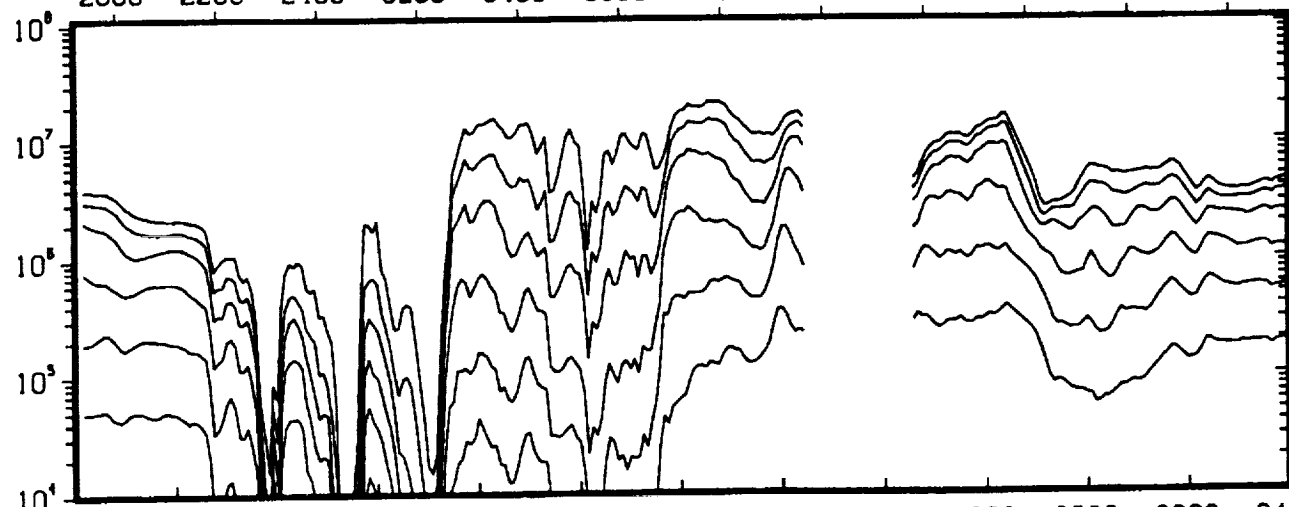
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



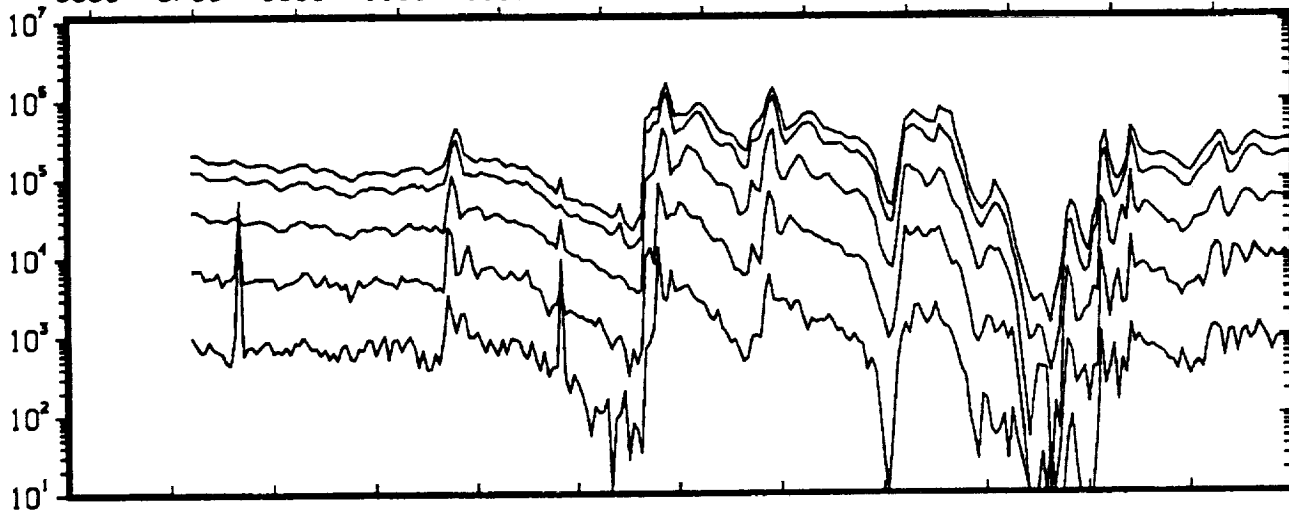
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/09/16

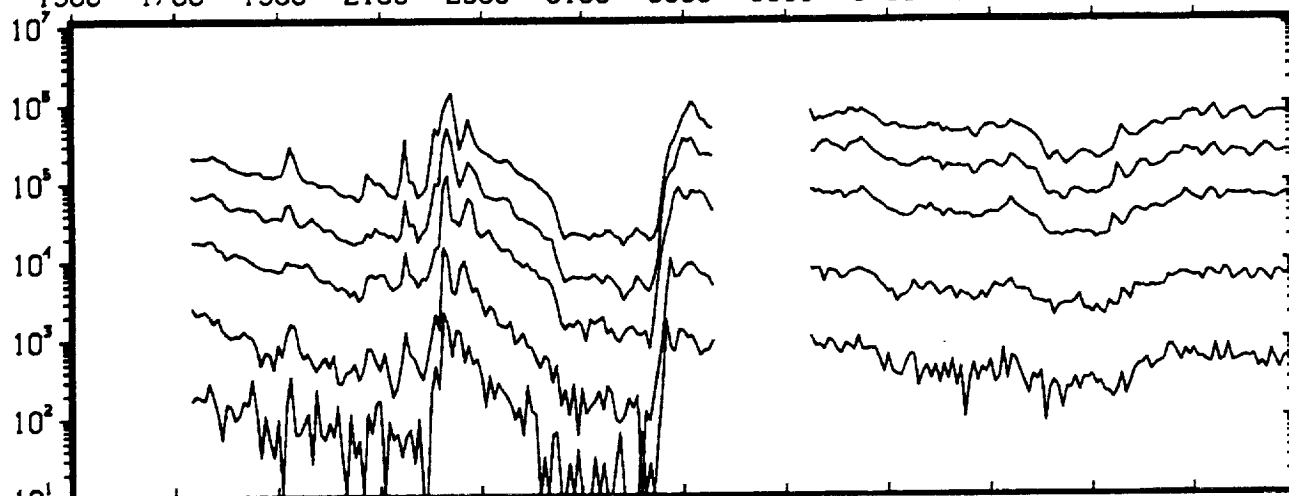
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1981-025

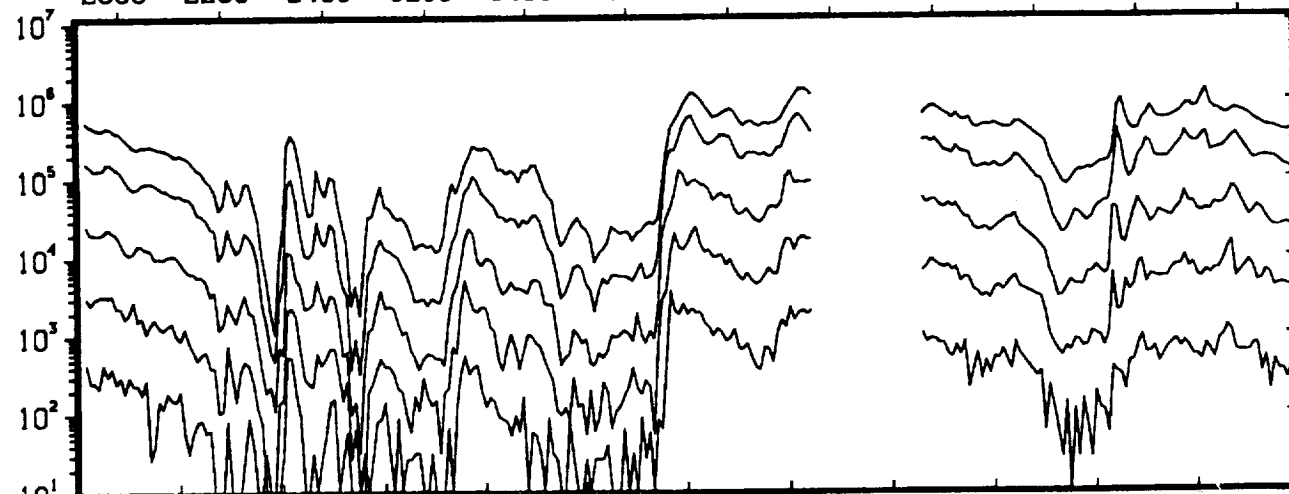
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300

INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



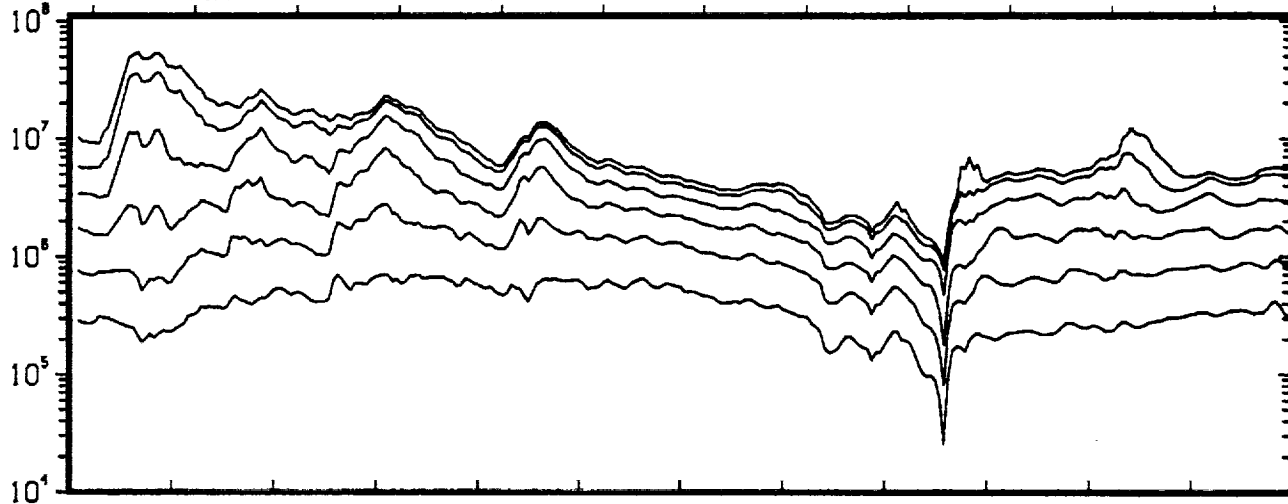
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400

# LOW ENERGY ELECTRONS

1977-007

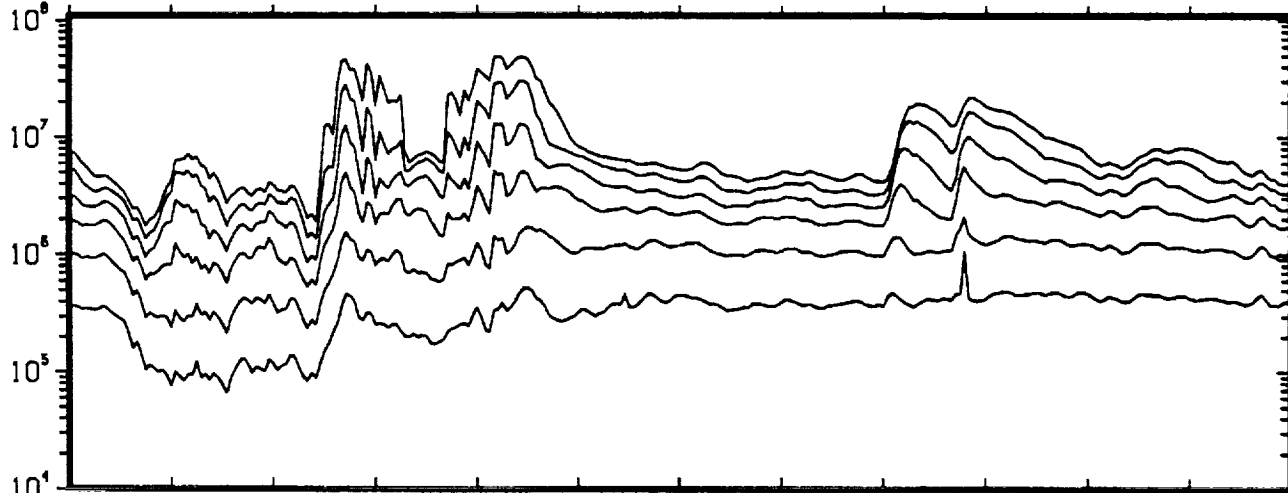
83/09/17

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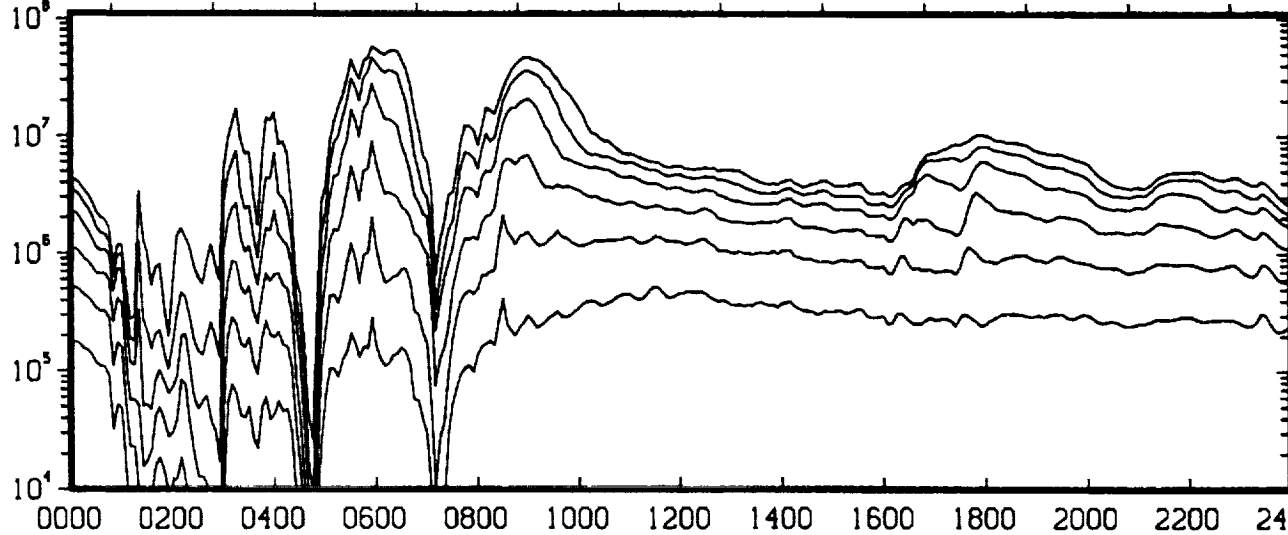
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

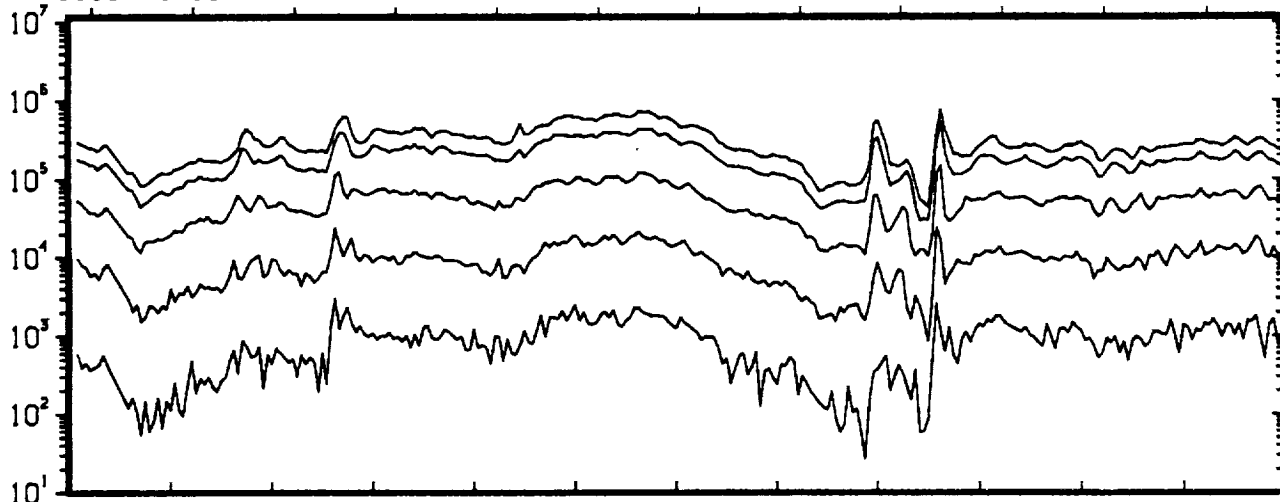


# LOW ENERGY IONS

1977-007

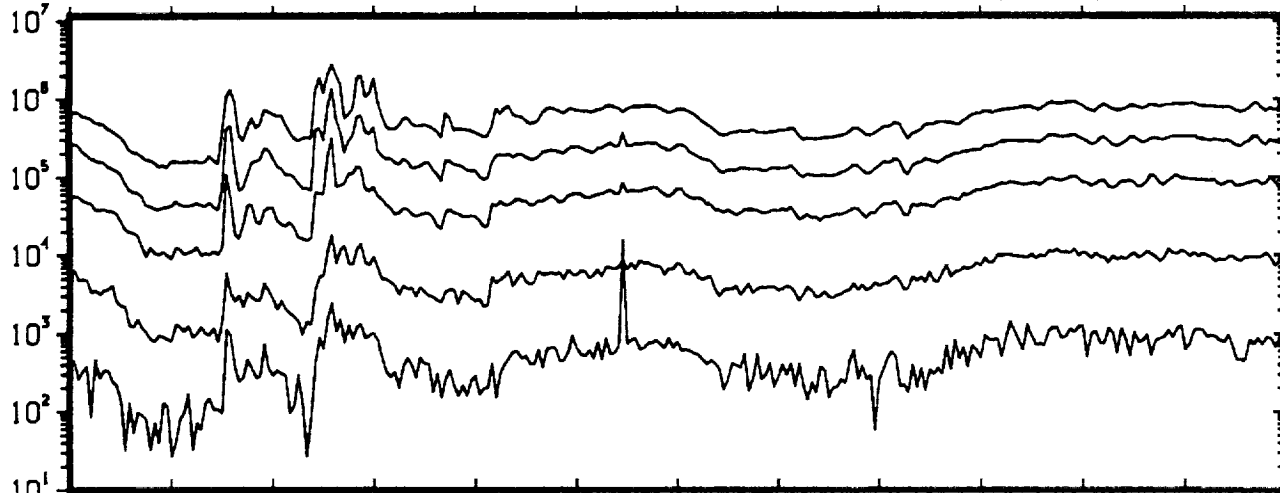
83/09/17

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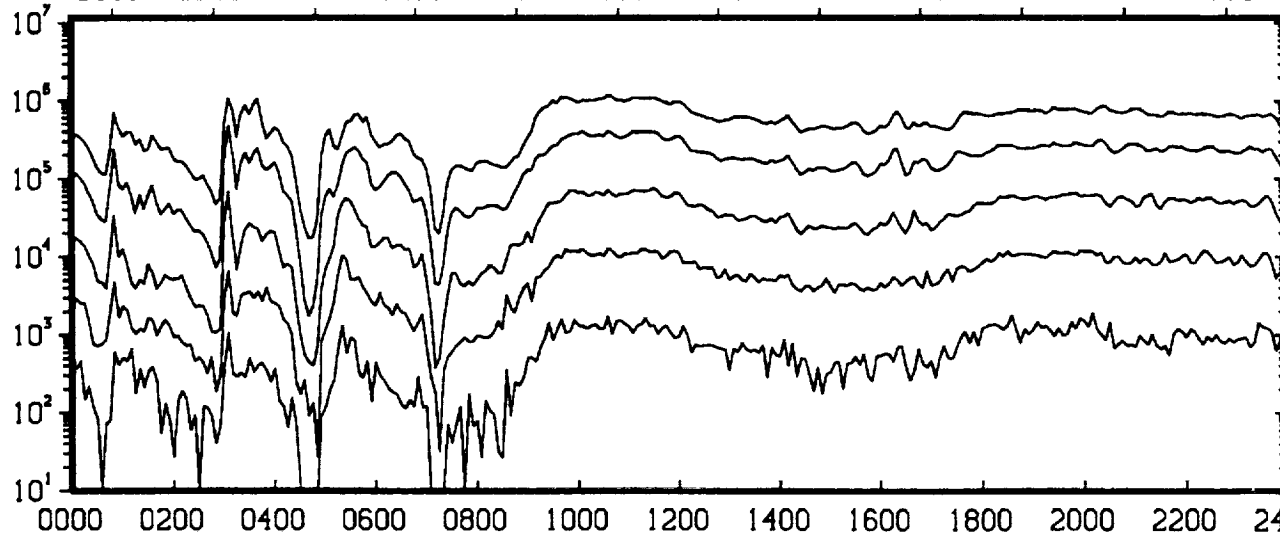
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



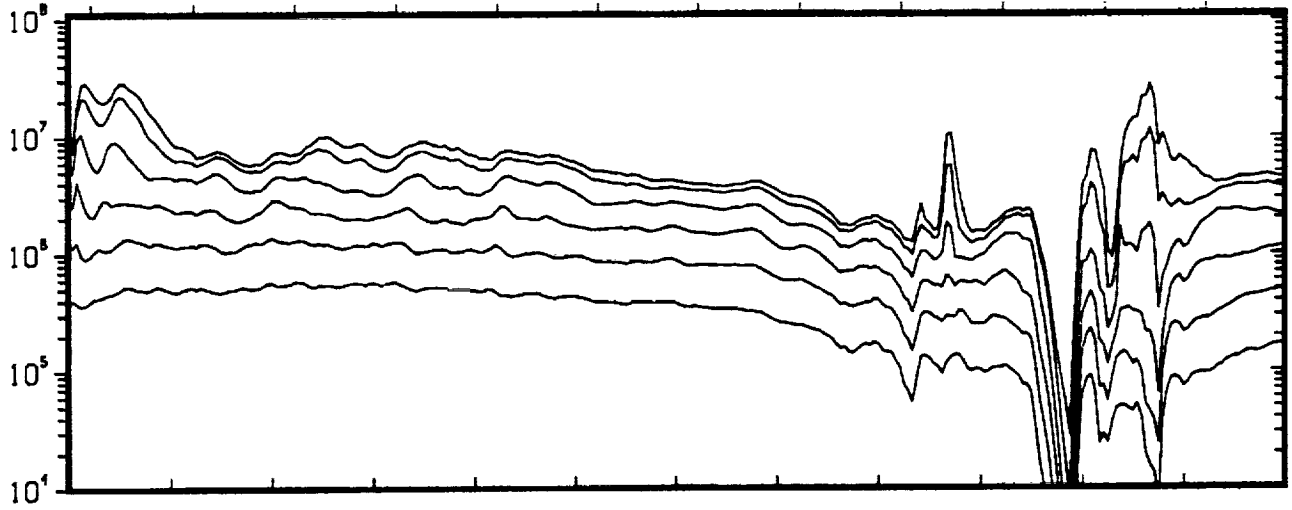
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

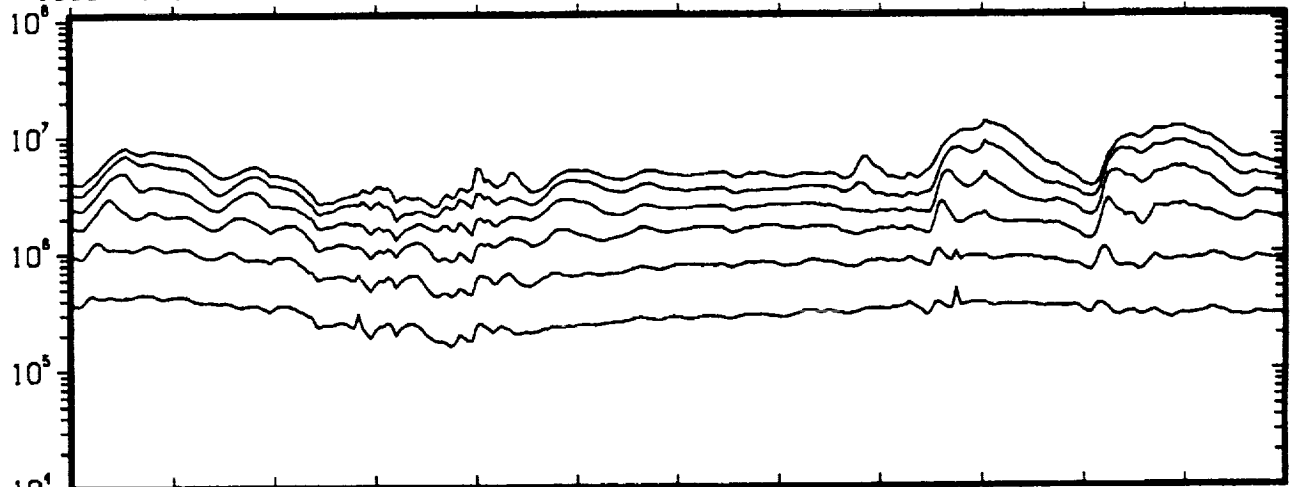
83/09/18

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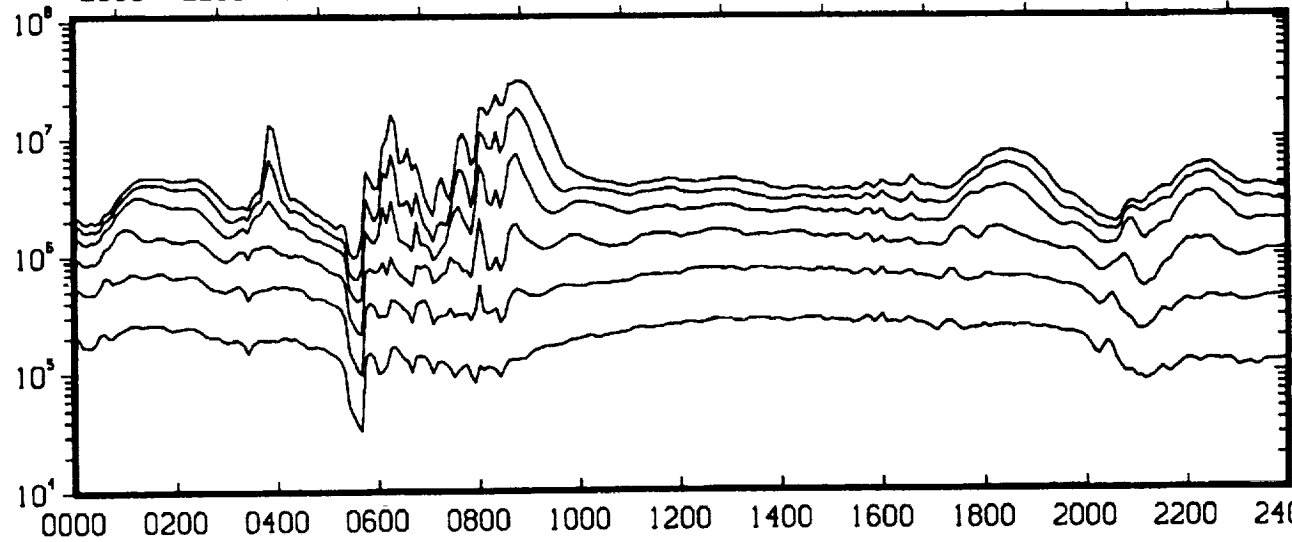
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



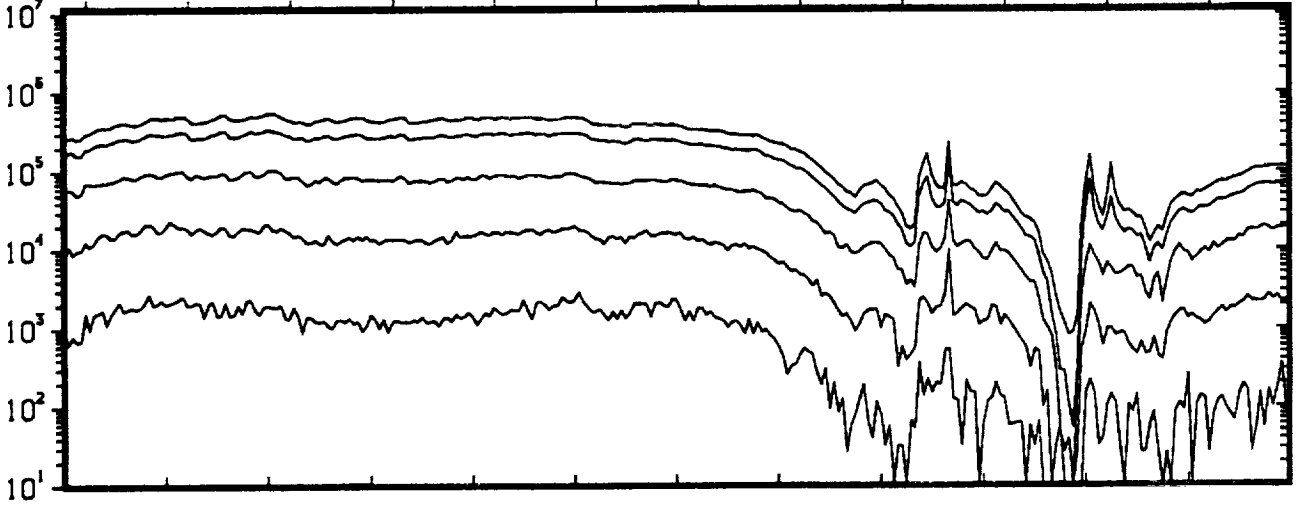
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

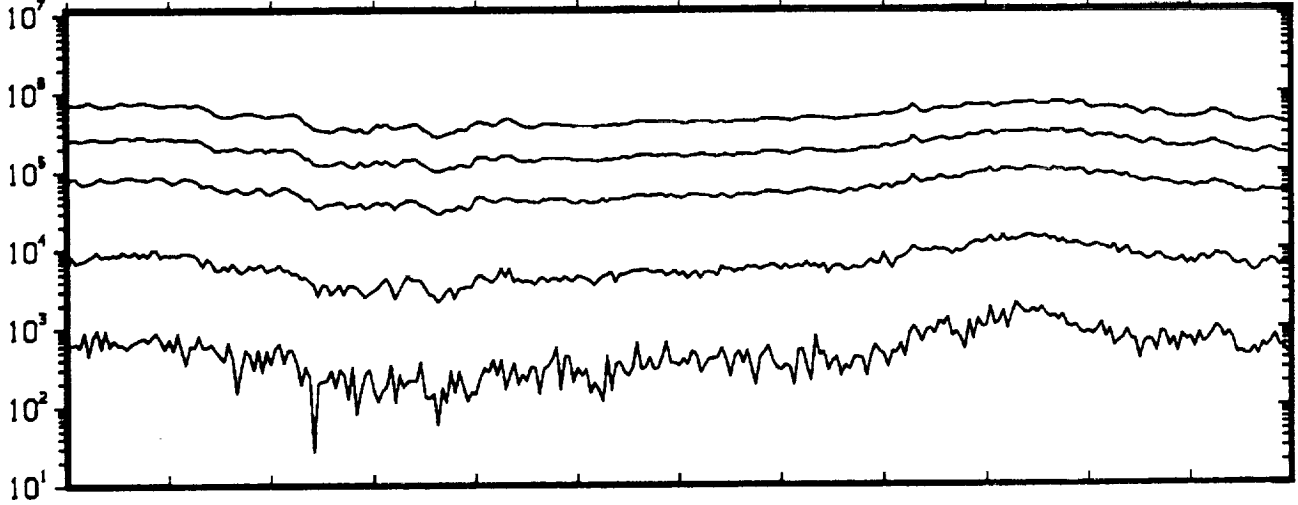
83/09/18

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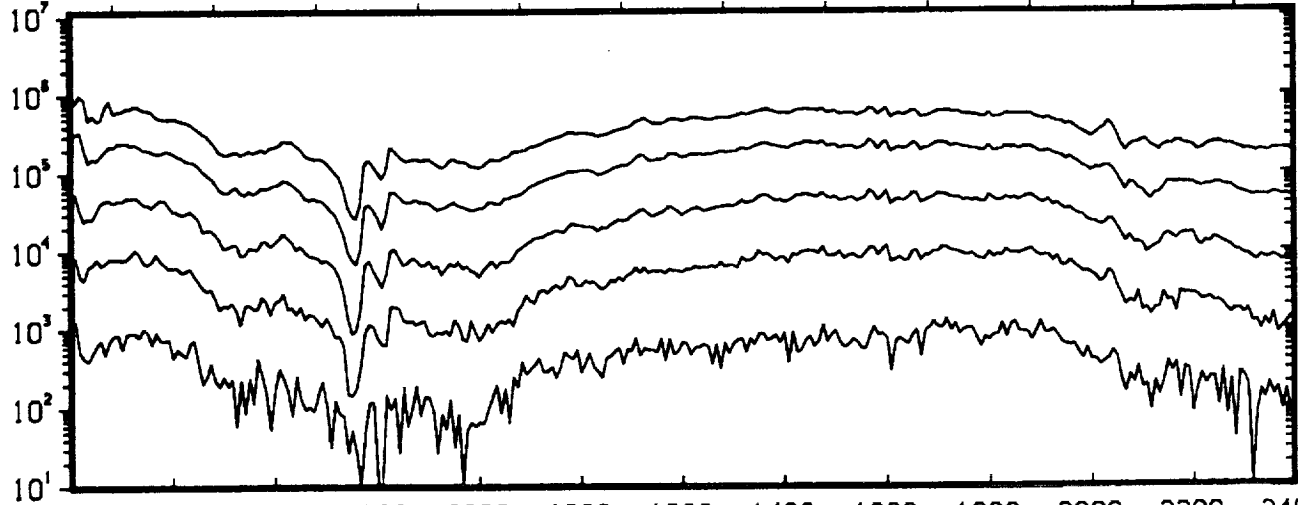
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



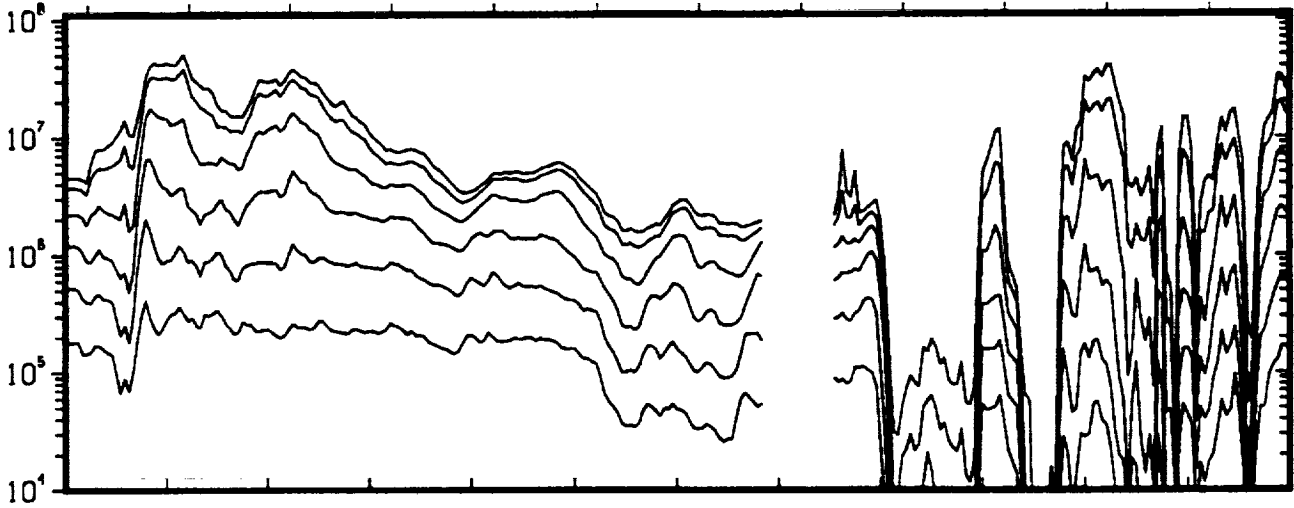
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

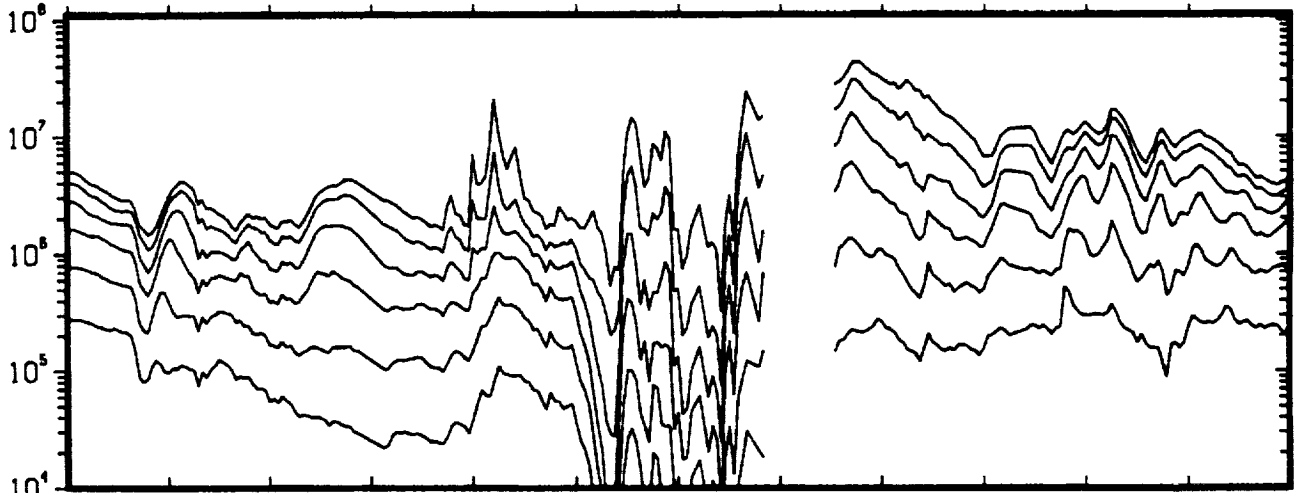
83/09/19

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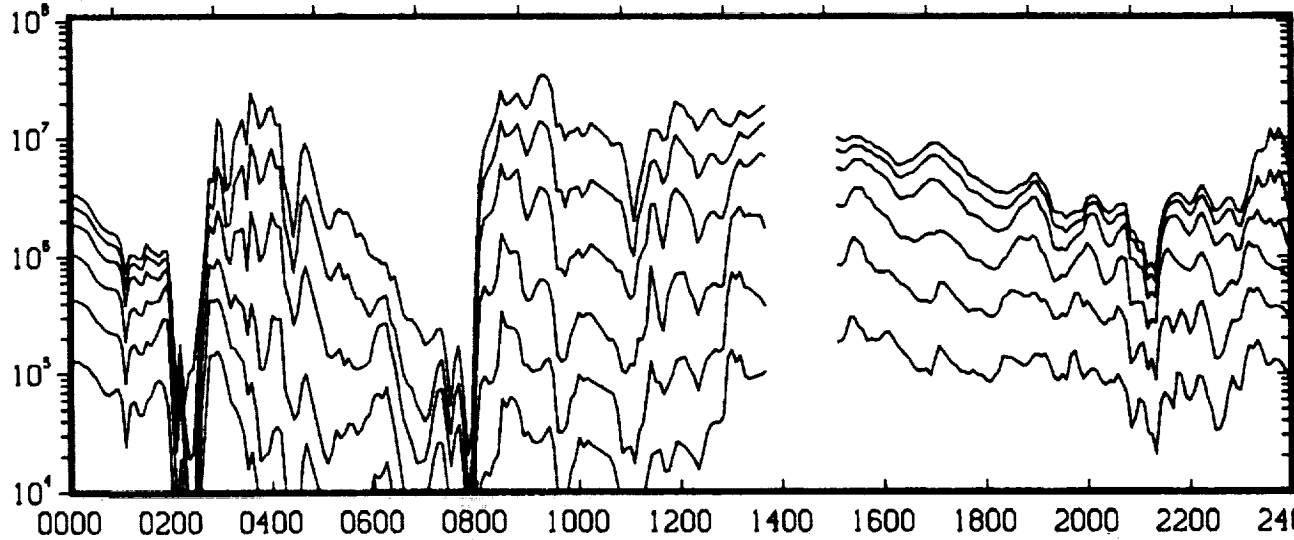
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



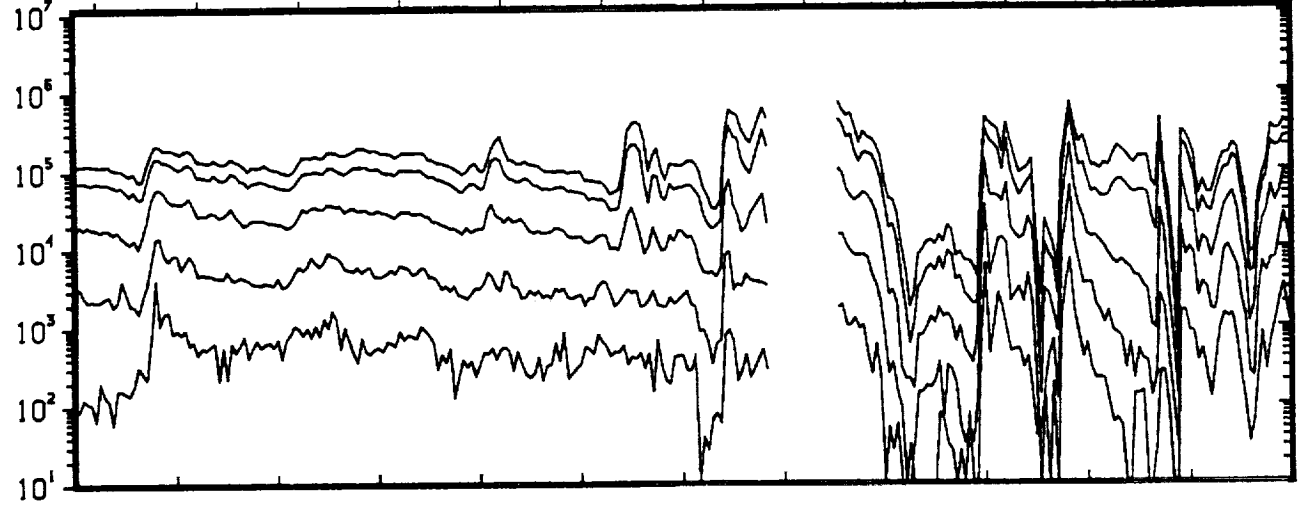
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

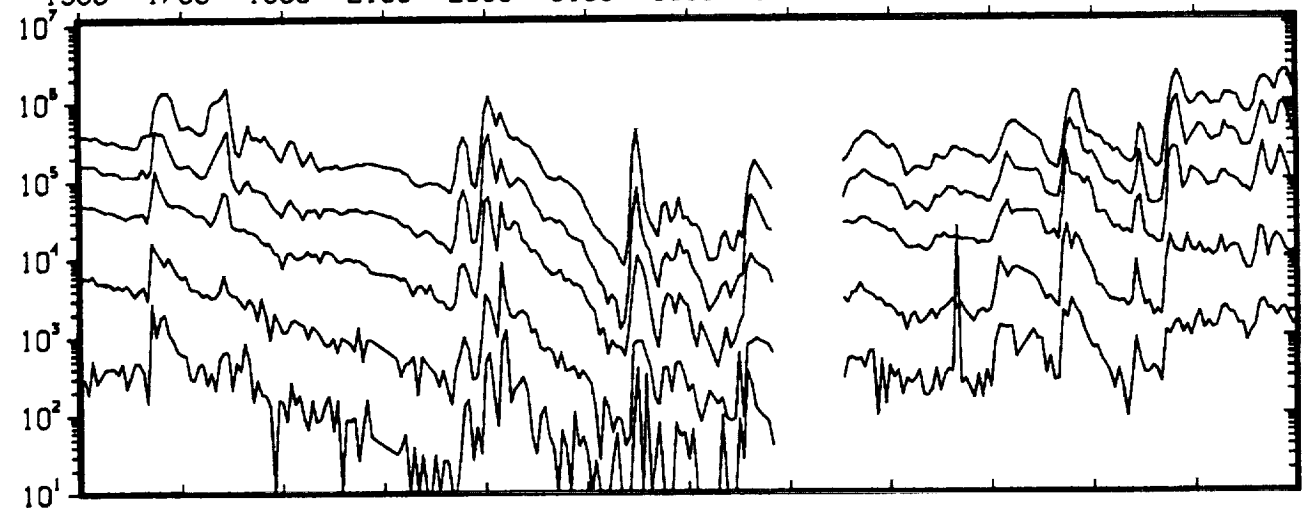
83/09/19

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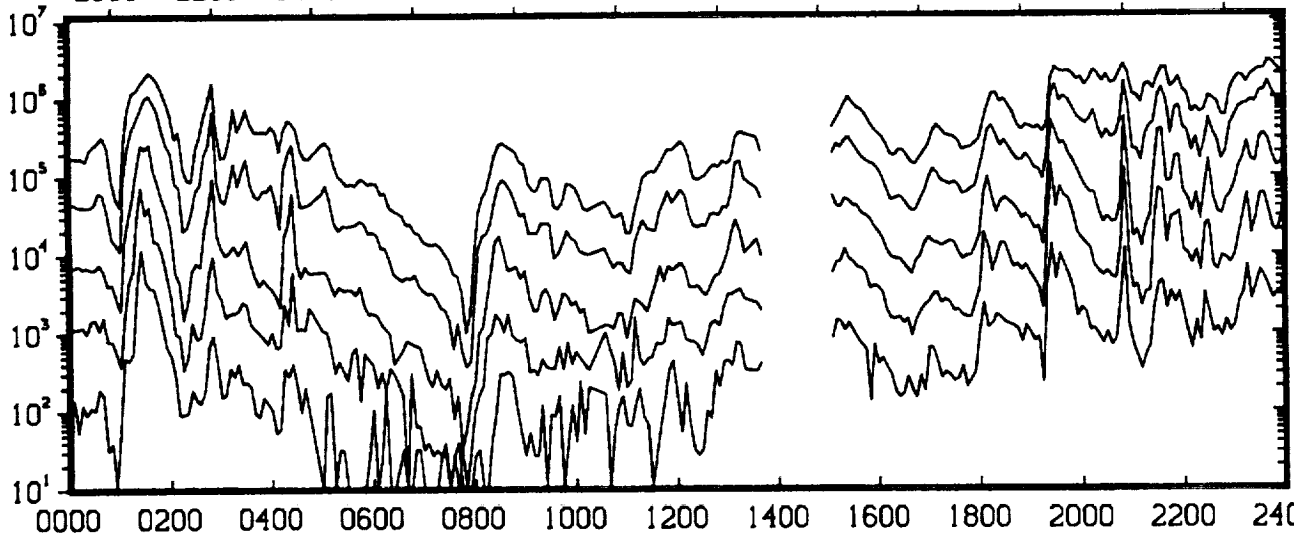
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



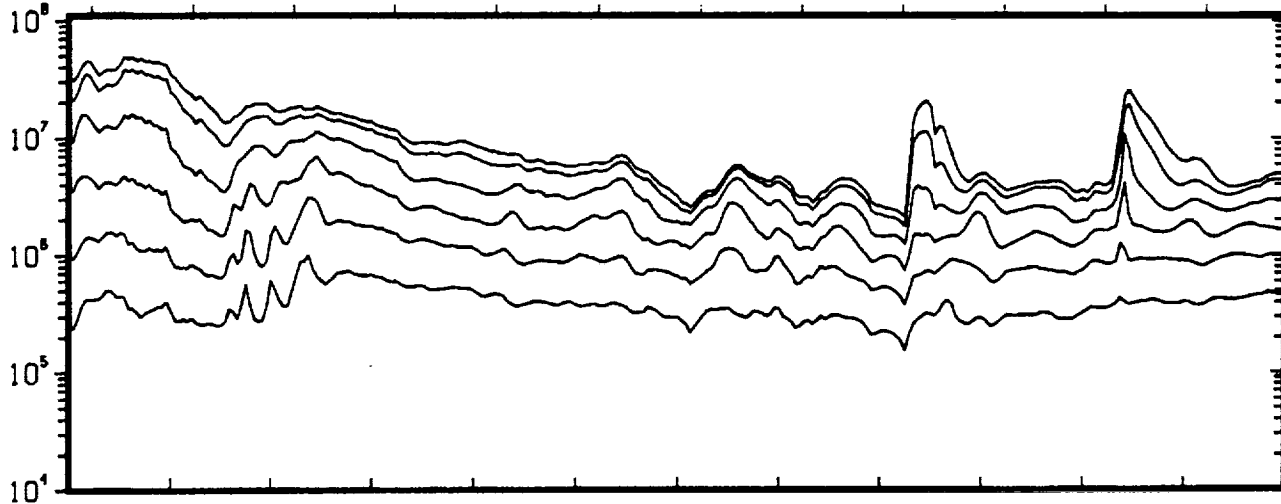
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

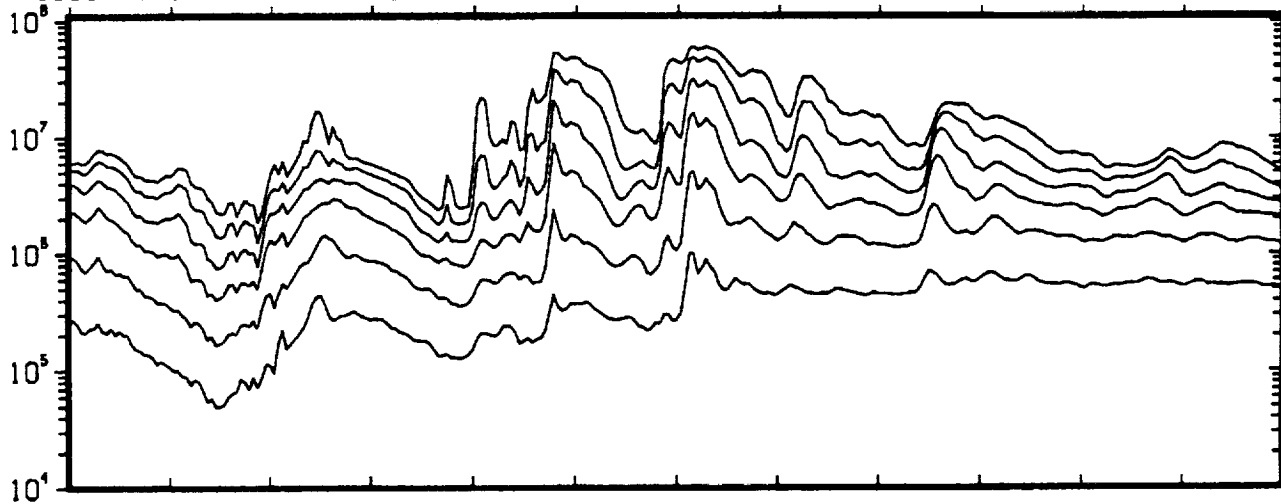
83/09/20

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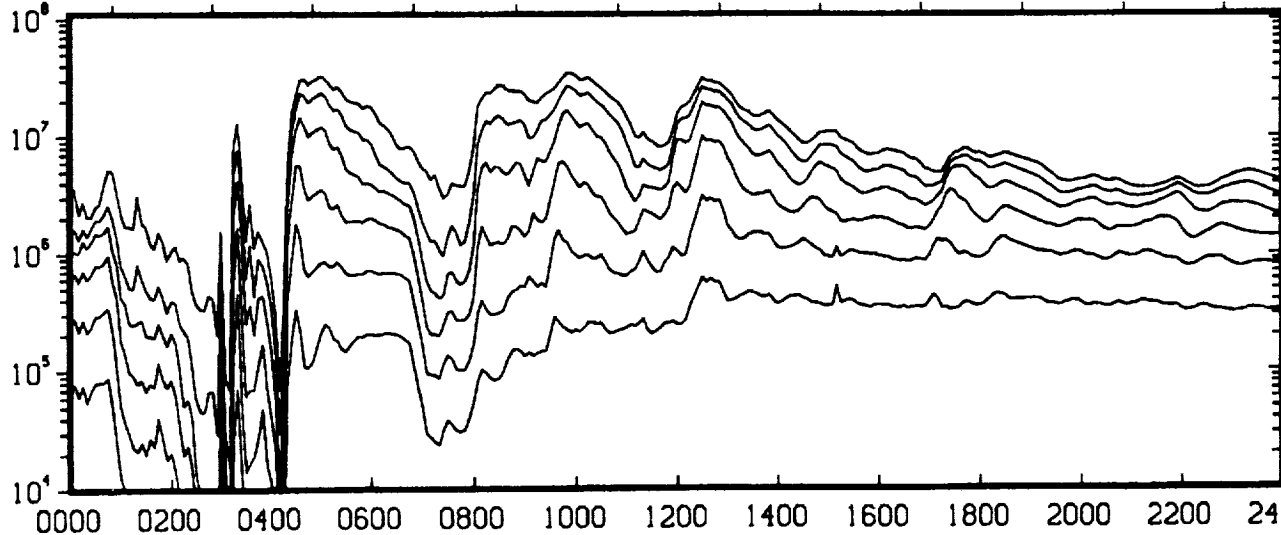
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



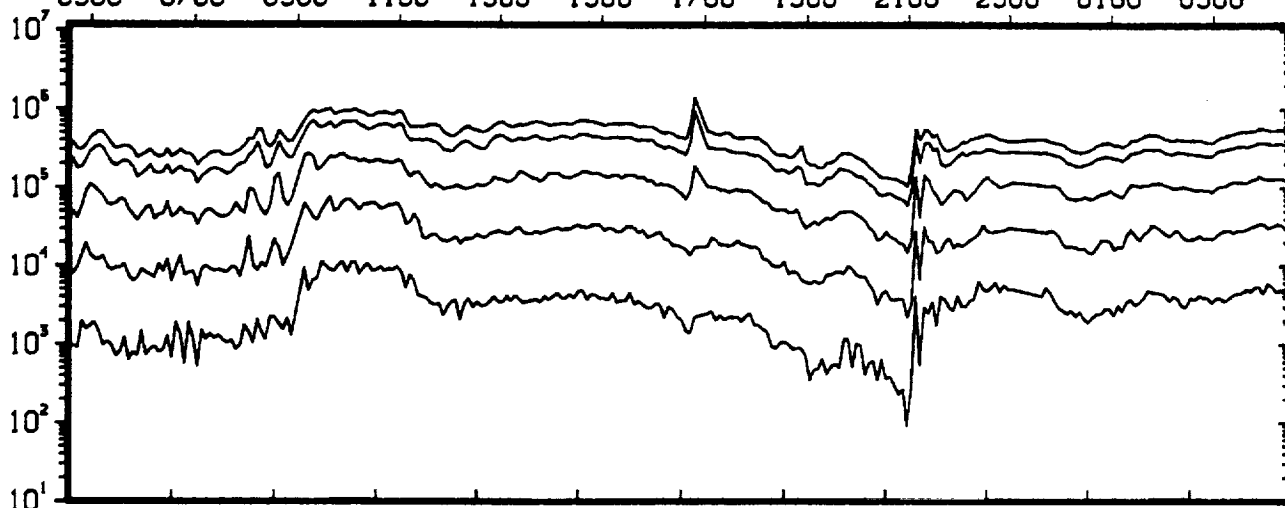
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

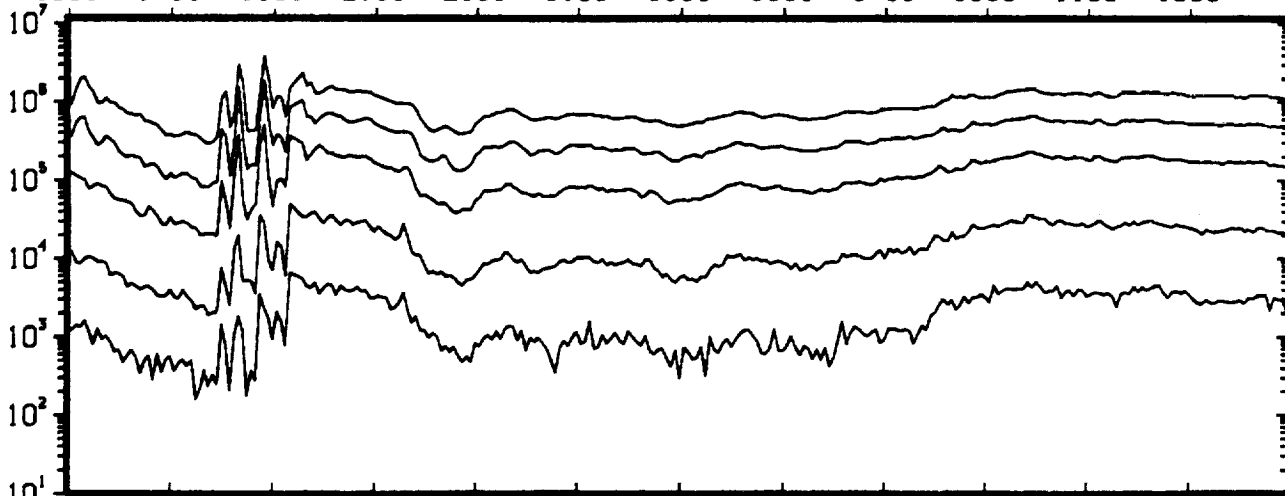
83/09/20

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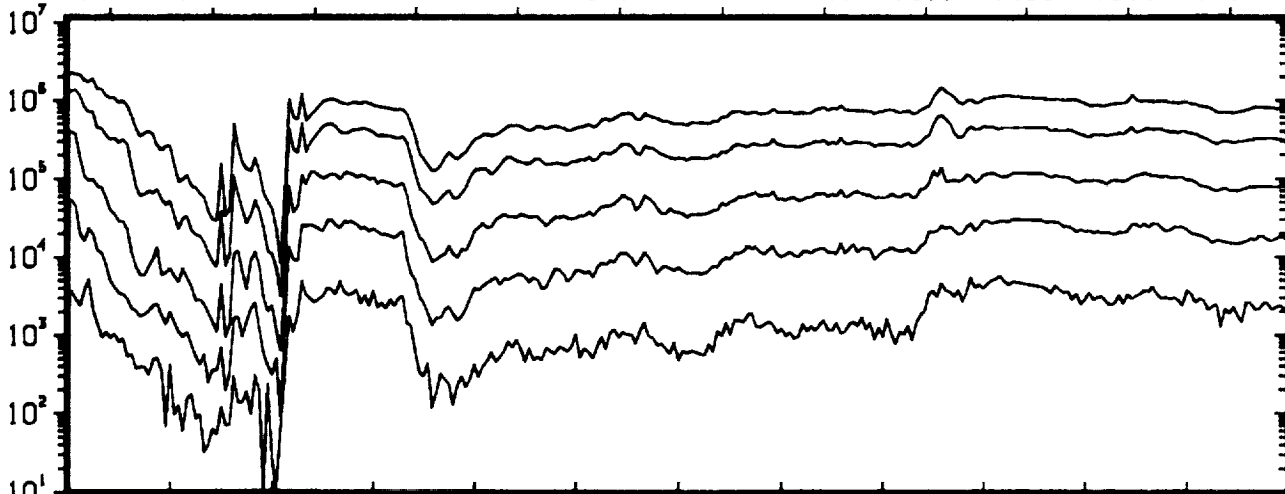
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



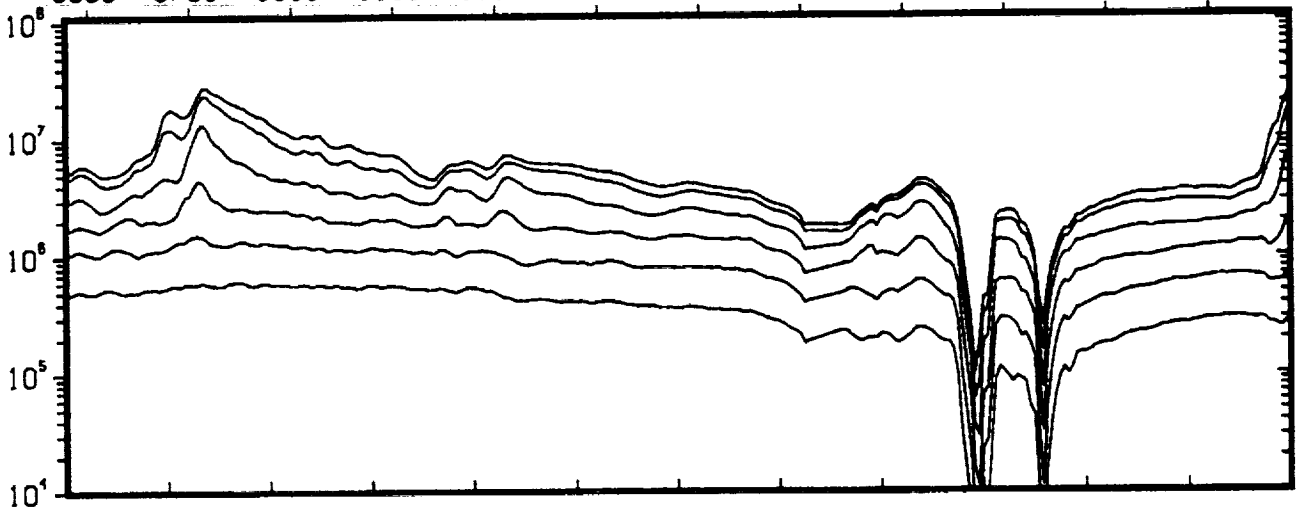
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

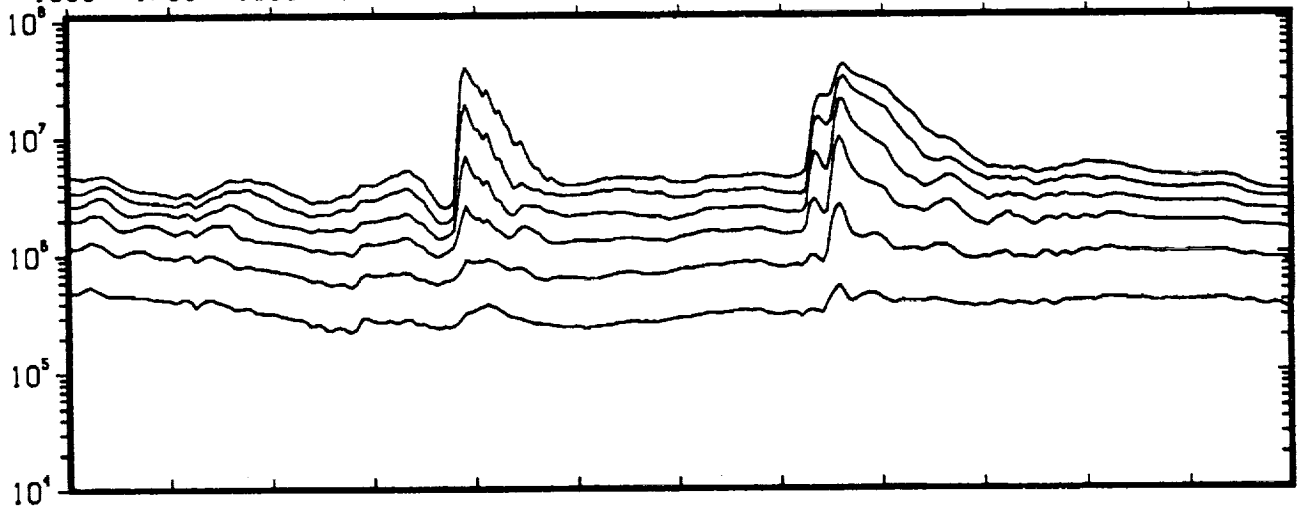
83/09/21

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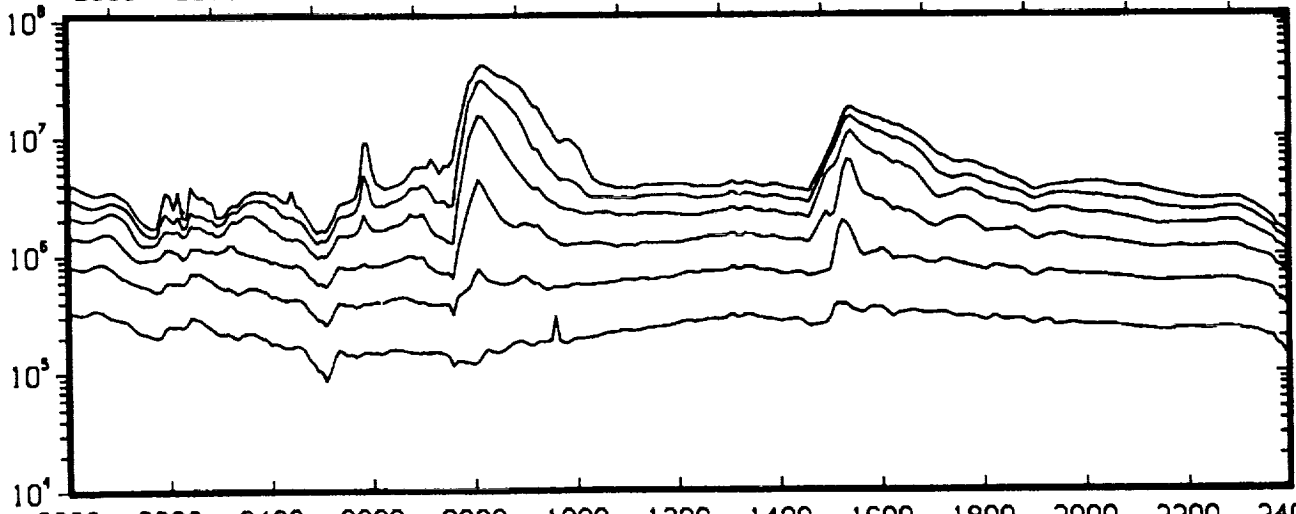
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

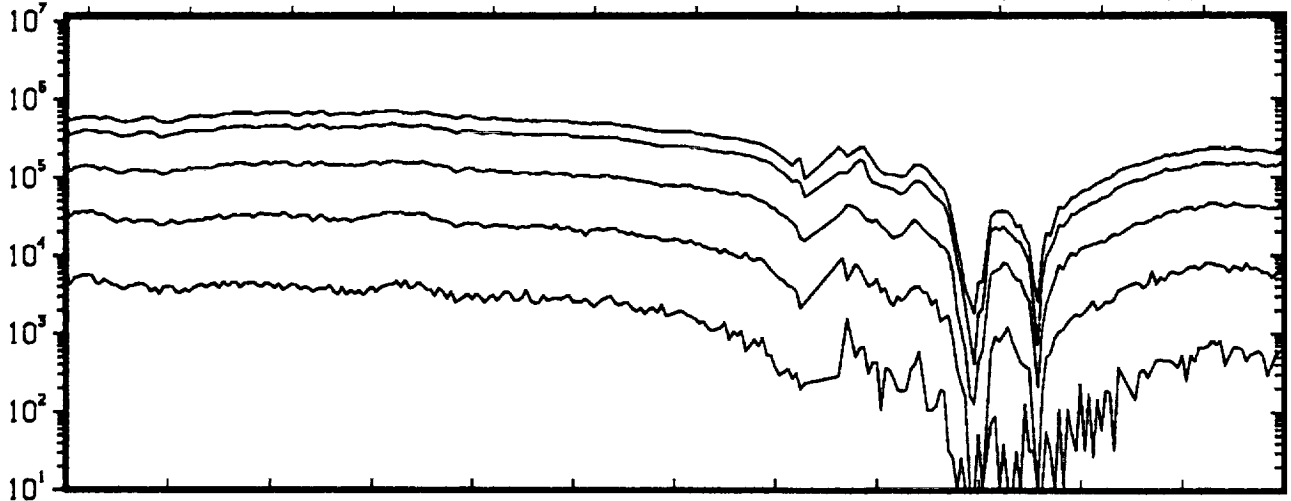


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$



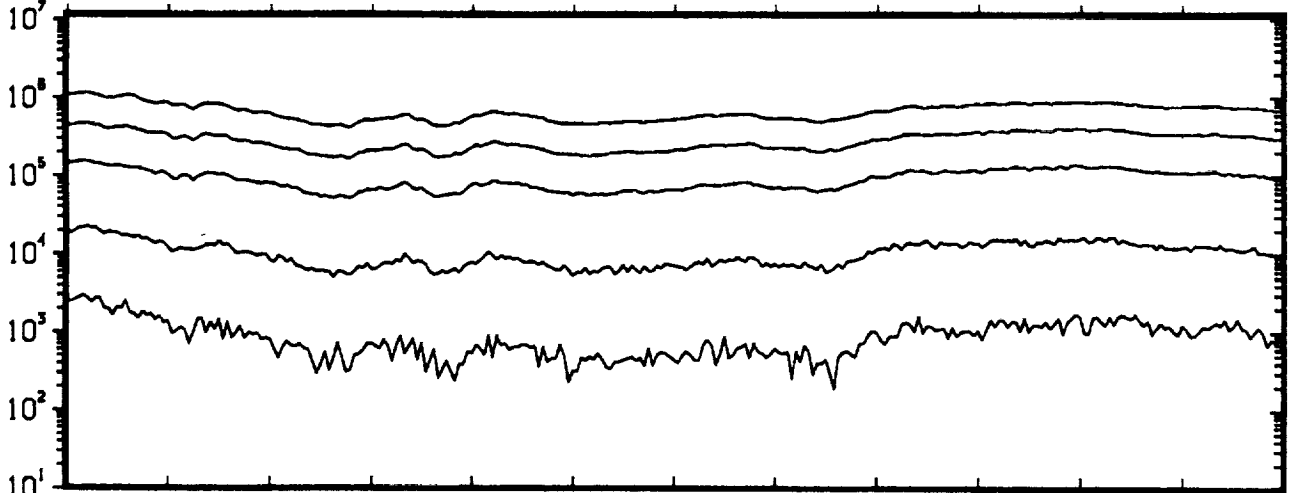
# LOW ENERGY IONS

1977-007 83/09/21  
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300

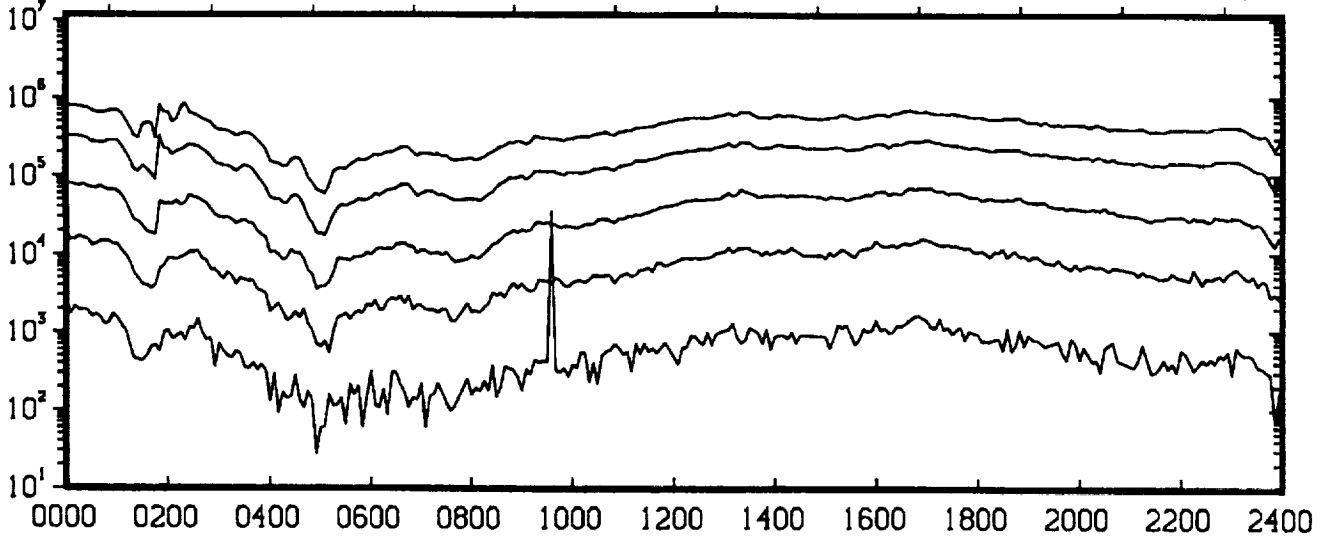


INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

1981-025  
1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019  
2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800

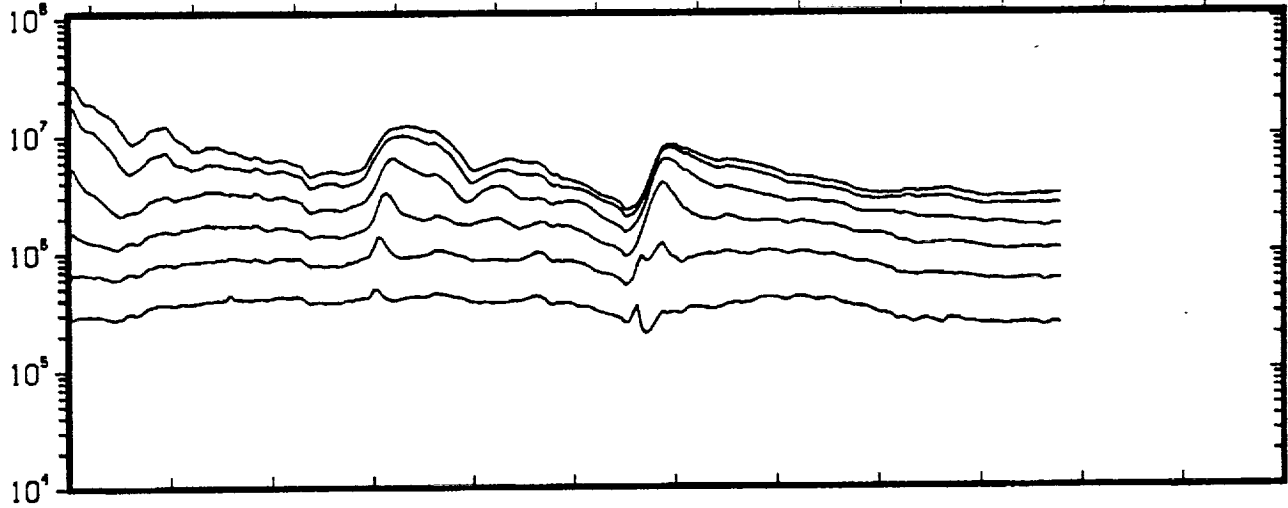


# LOW ENERGY ELECTRONS

1977-007

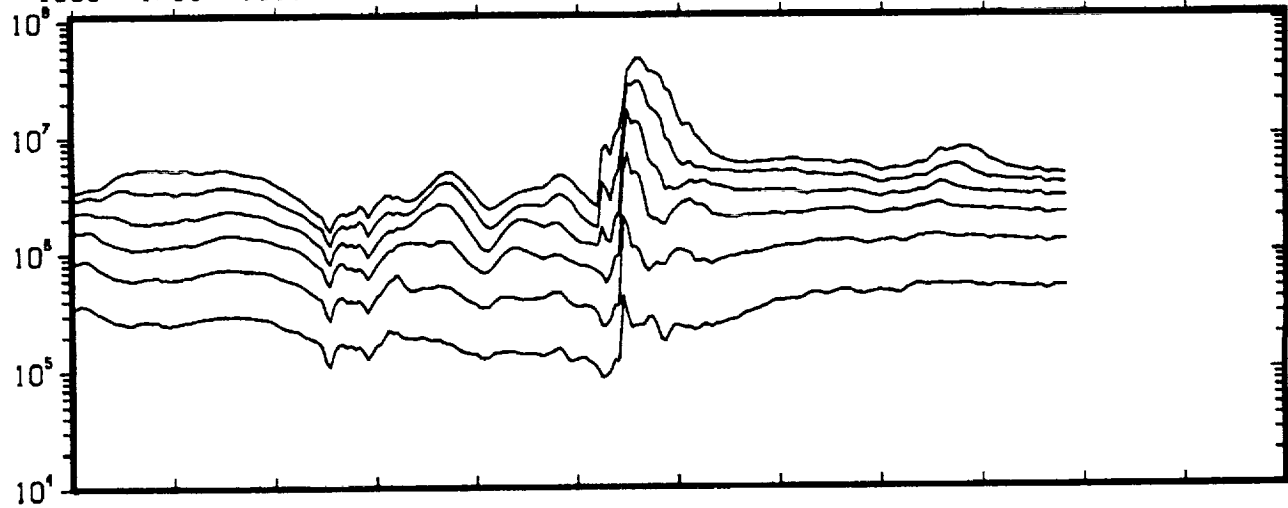
83/09/22

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



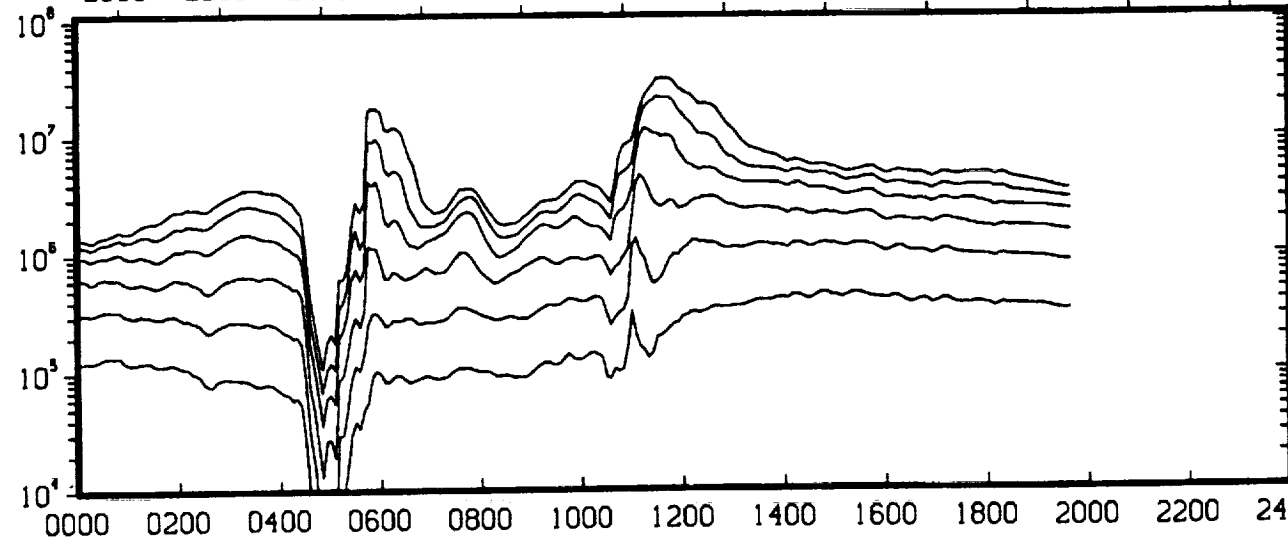
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



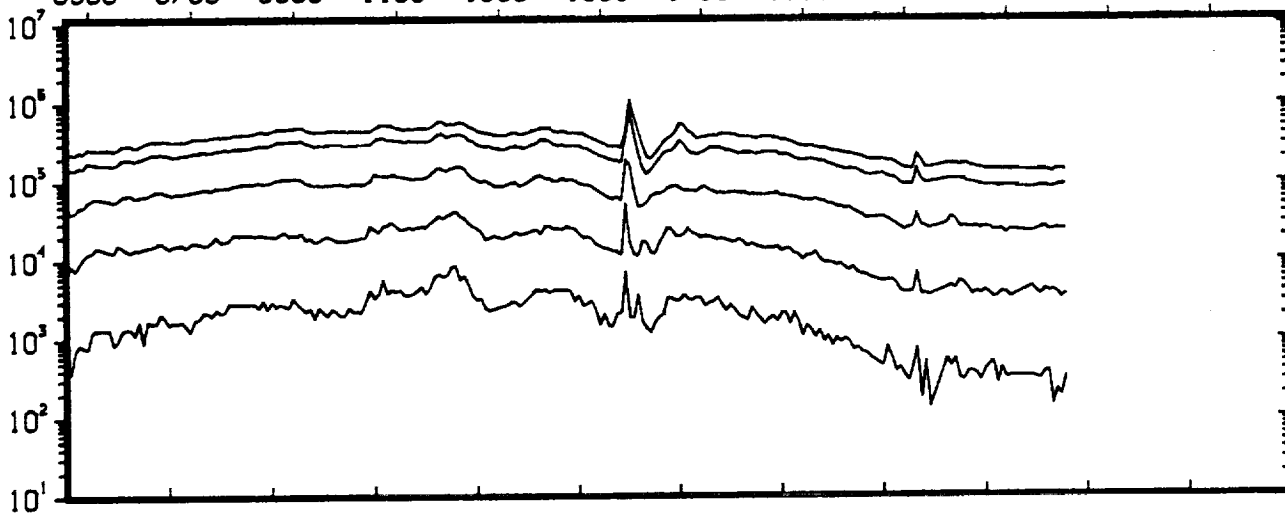
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

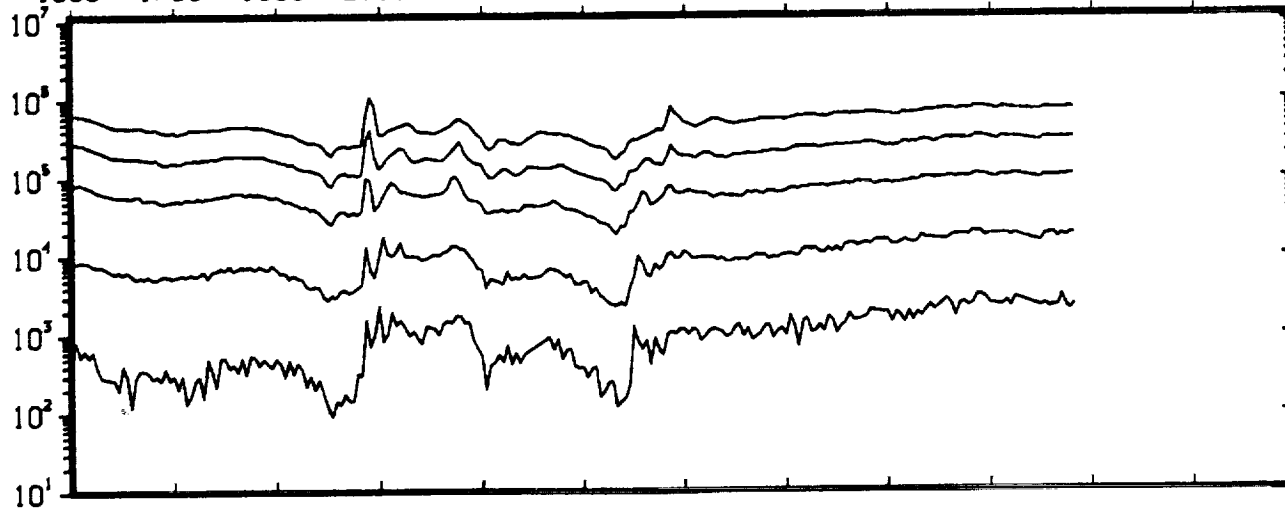
83/09/22

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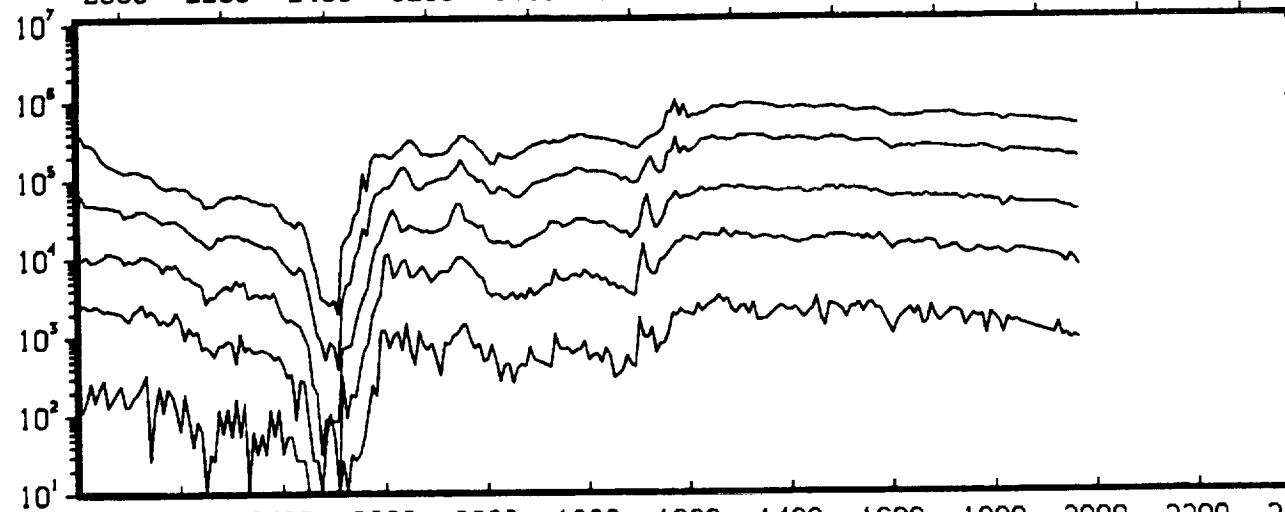
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



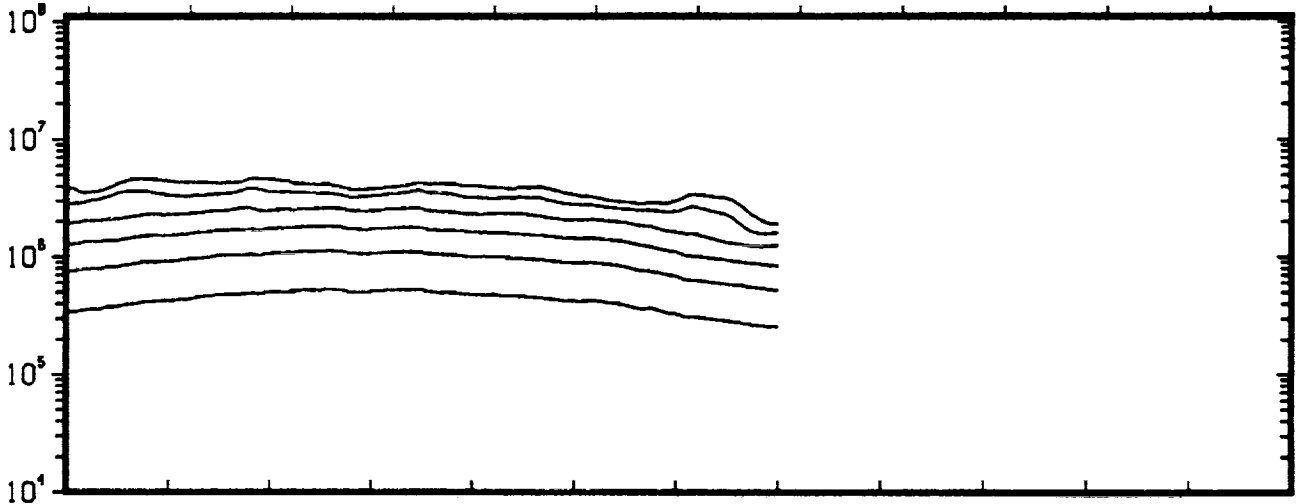
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

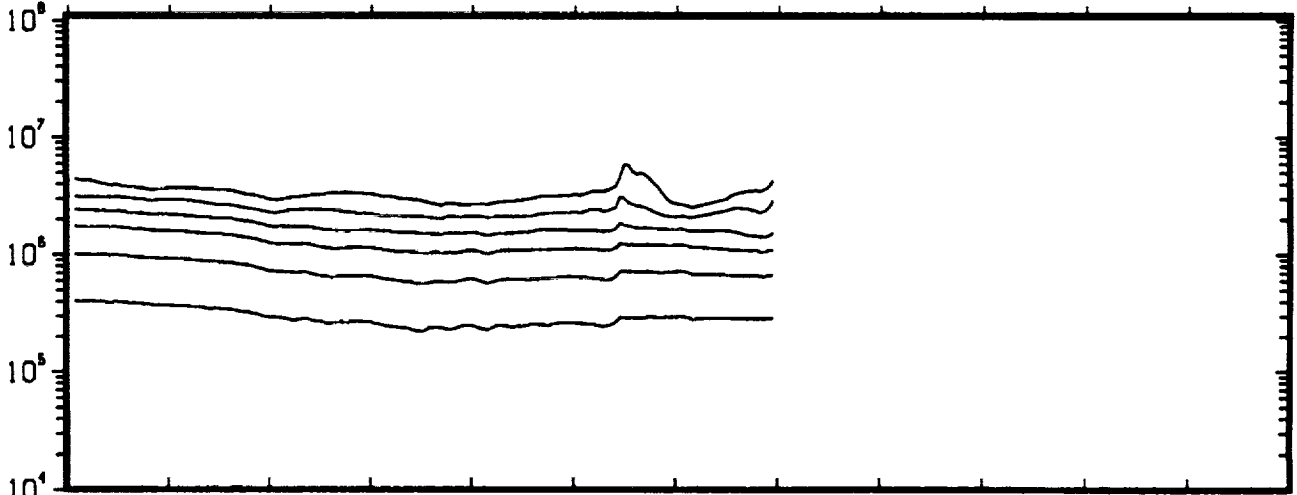
83/09/23

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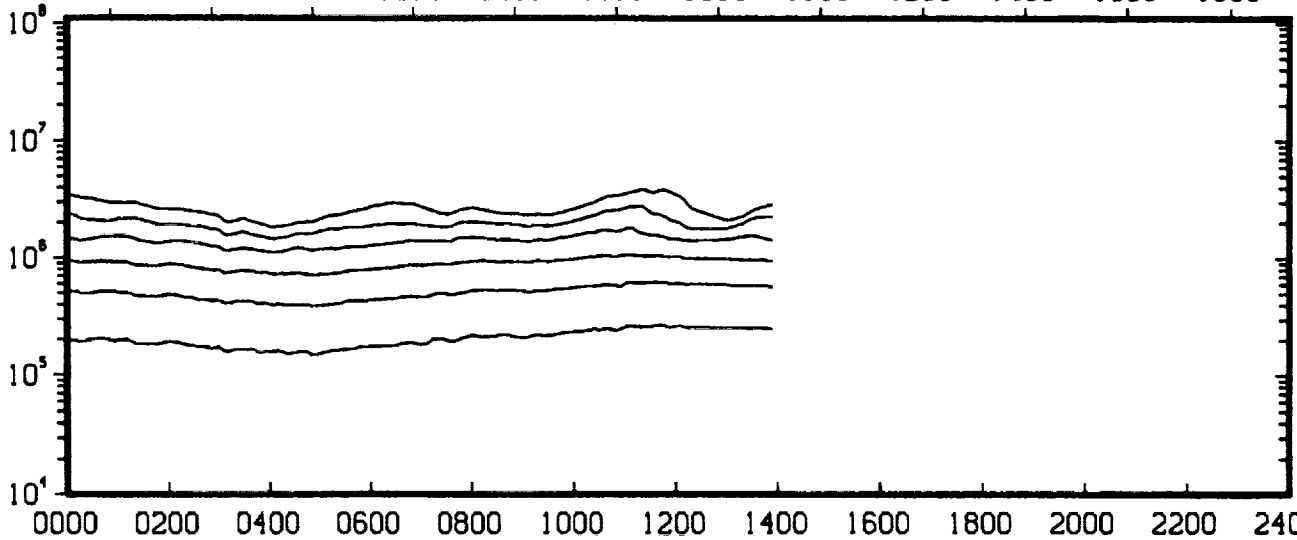
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



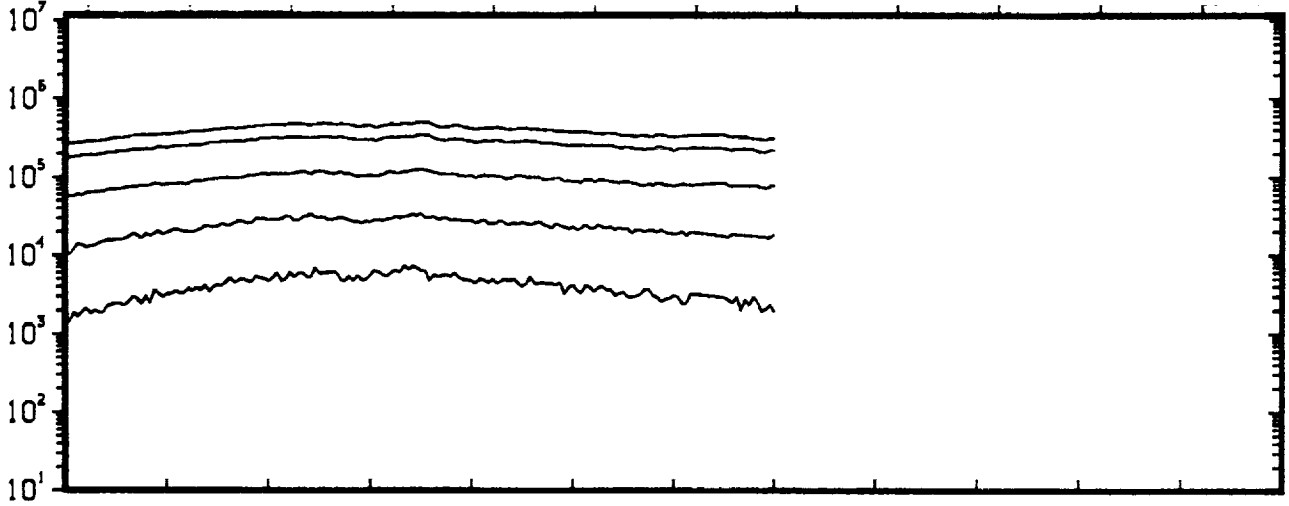
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

83/09/23

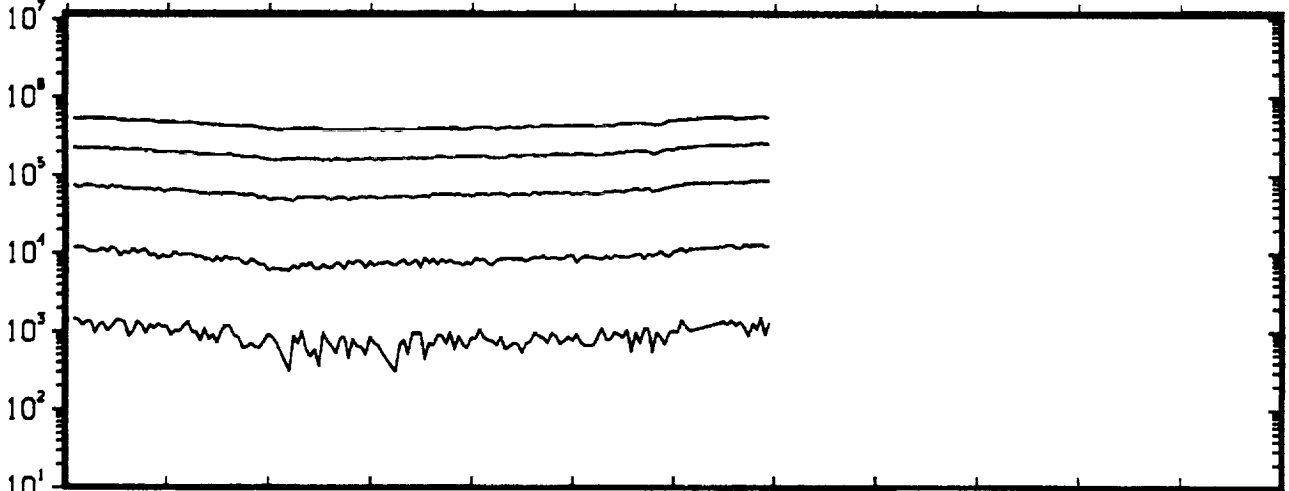
0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

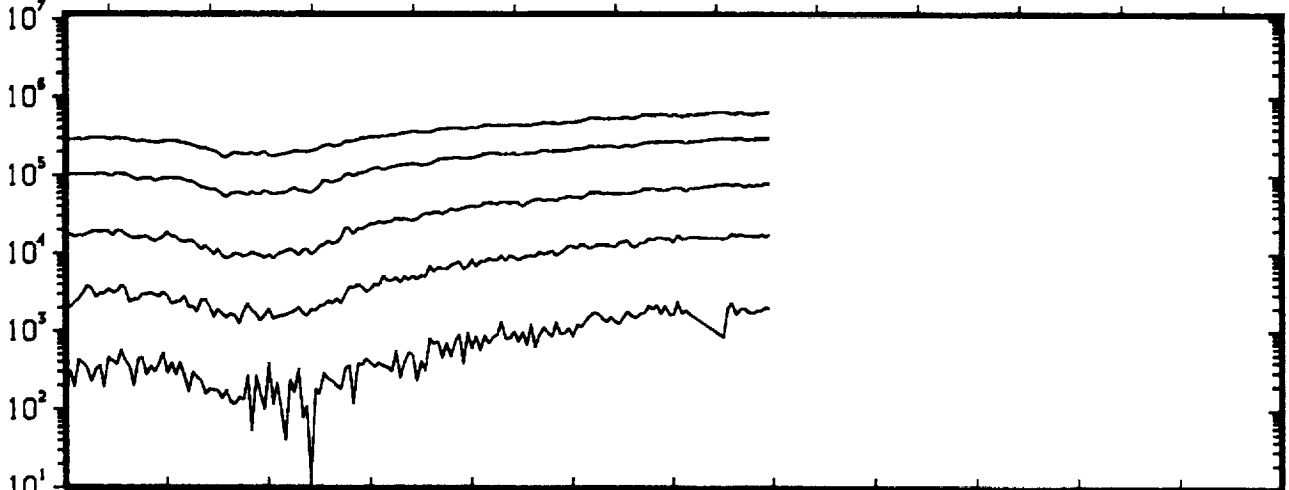
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



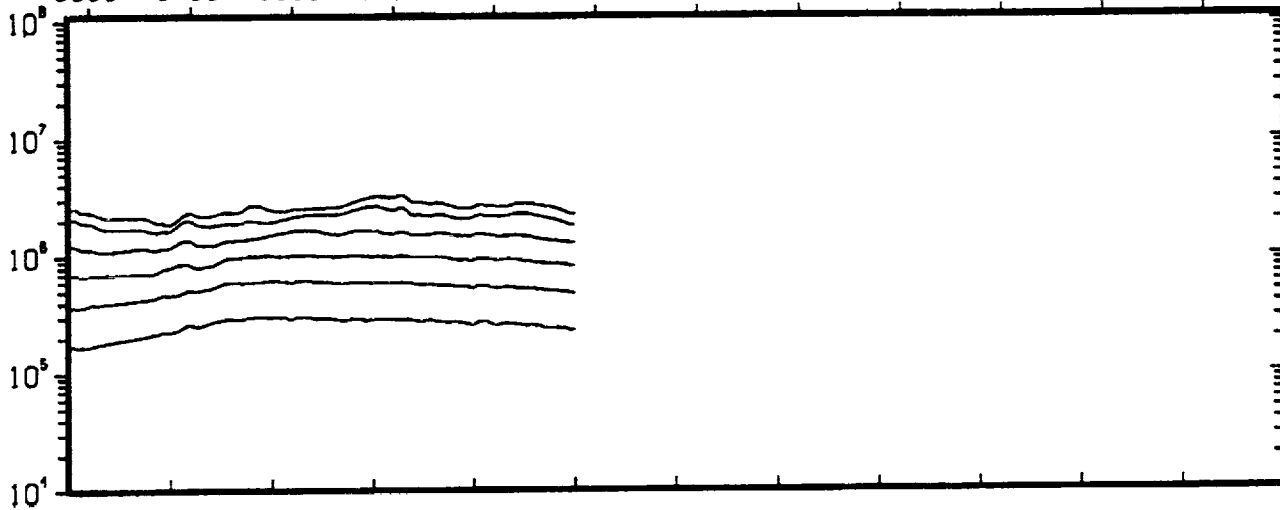
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# LOW ENERGY ELECTRONS

1977-007

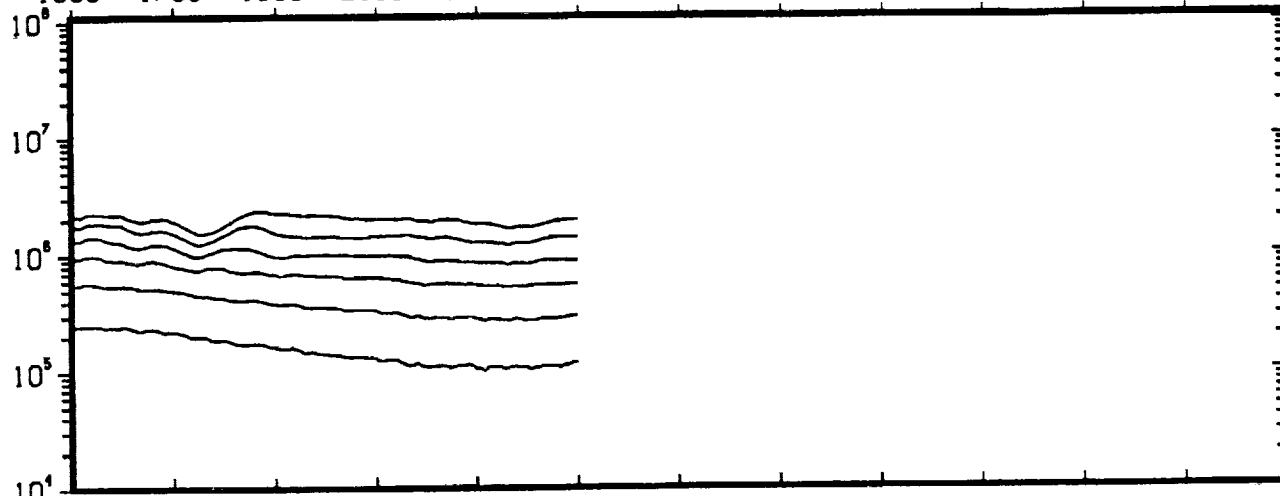
83/09/24

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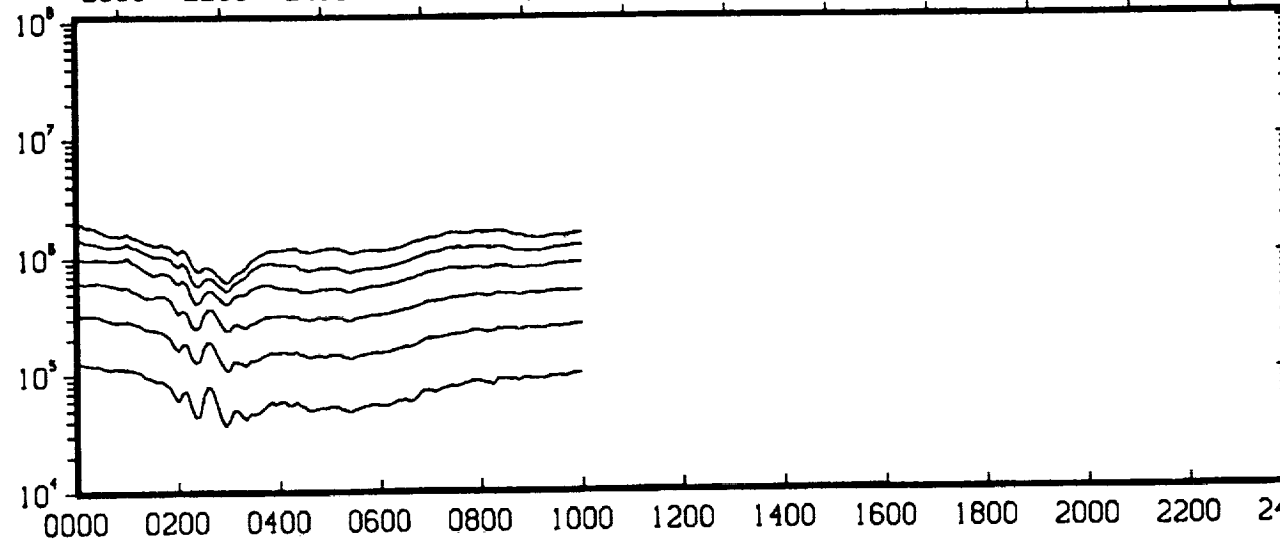
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



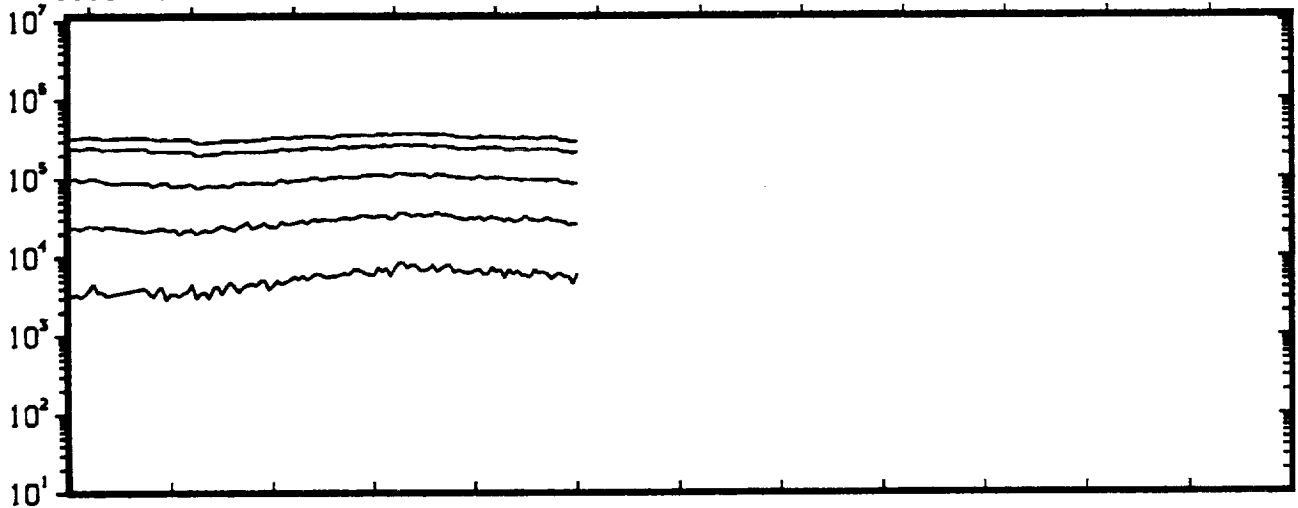
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

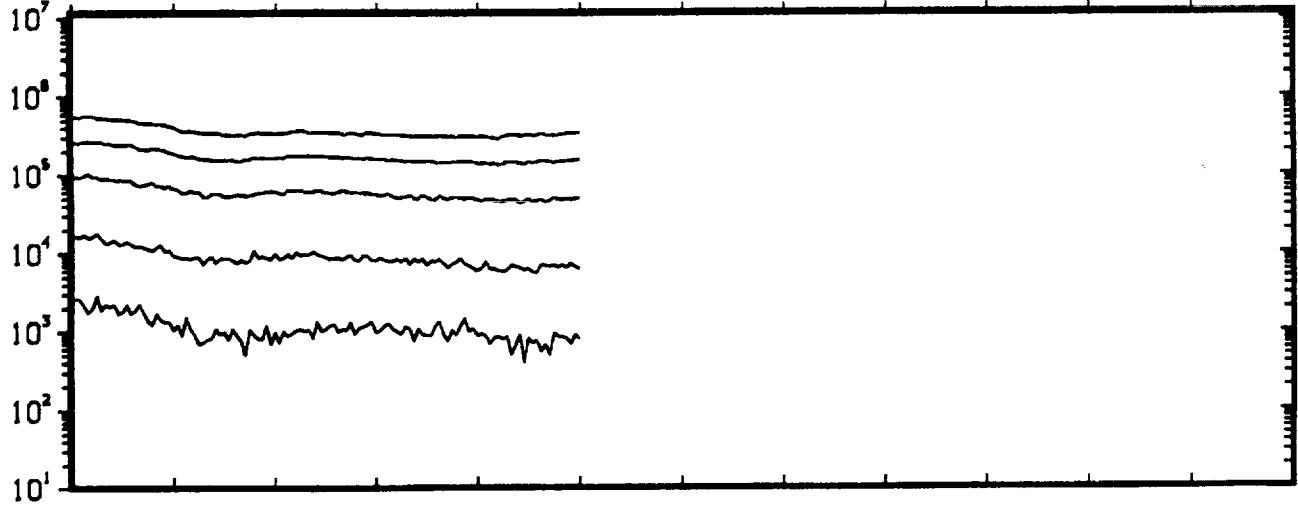
83/09/24

0500 0700 0900 1100 1300 1500 1700 1900 2100 2300 0100 0300



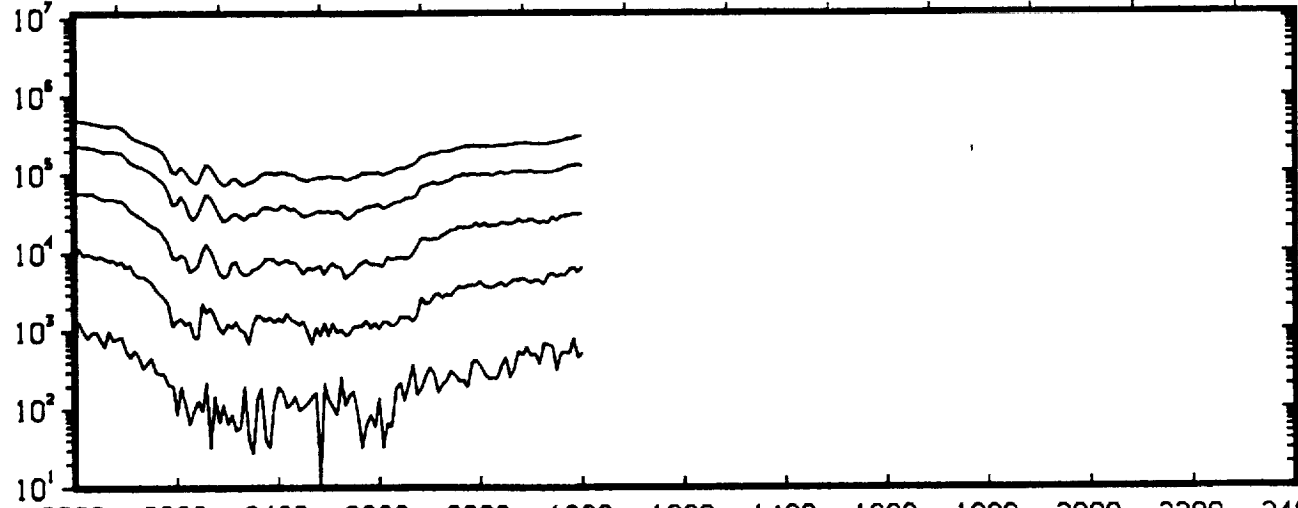
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



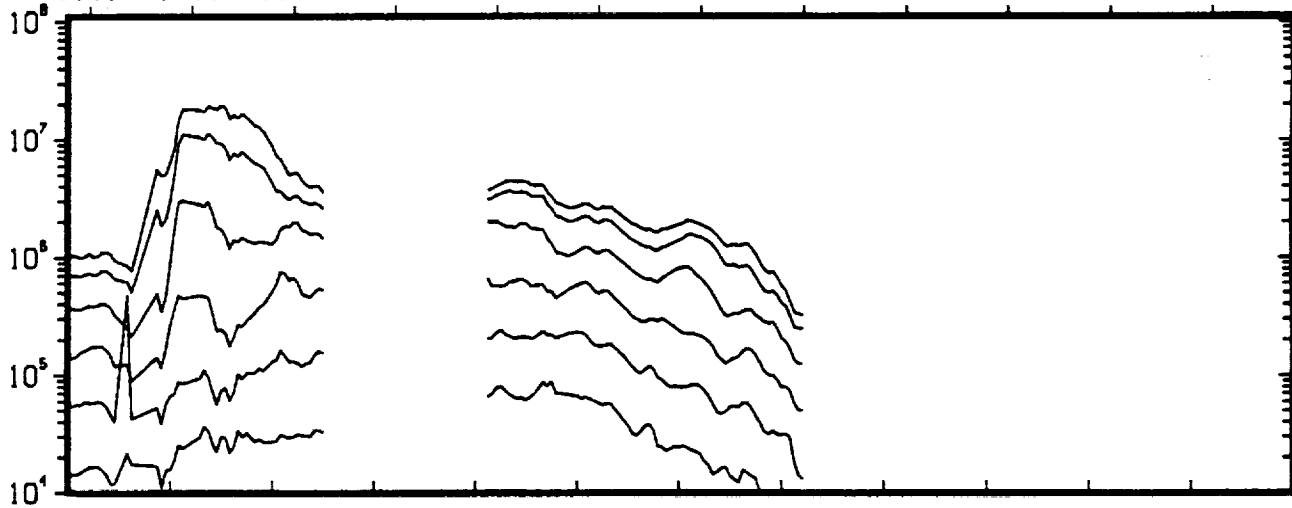
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

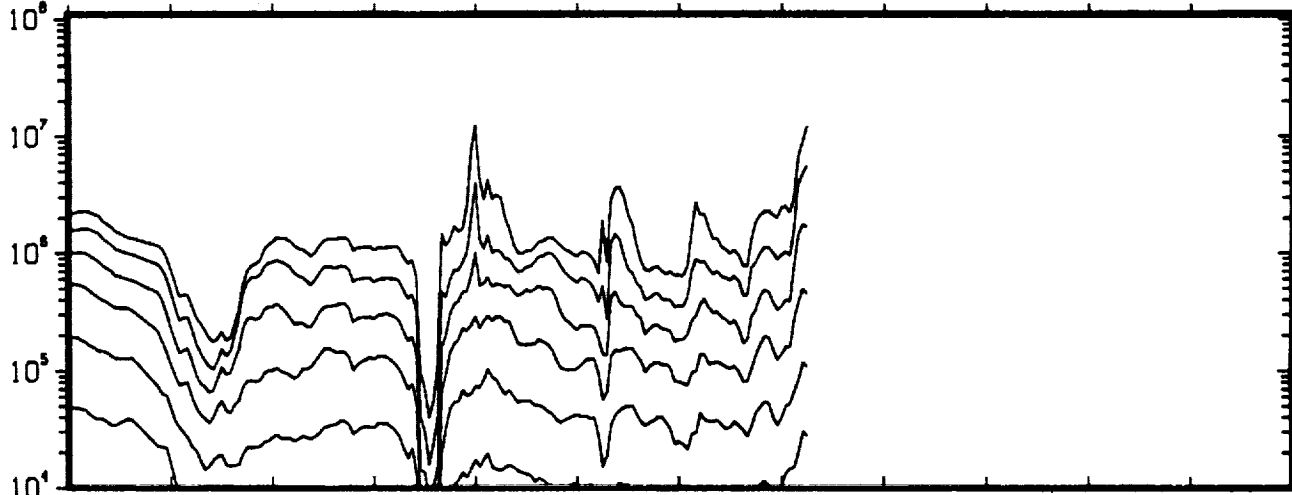
83/09/25

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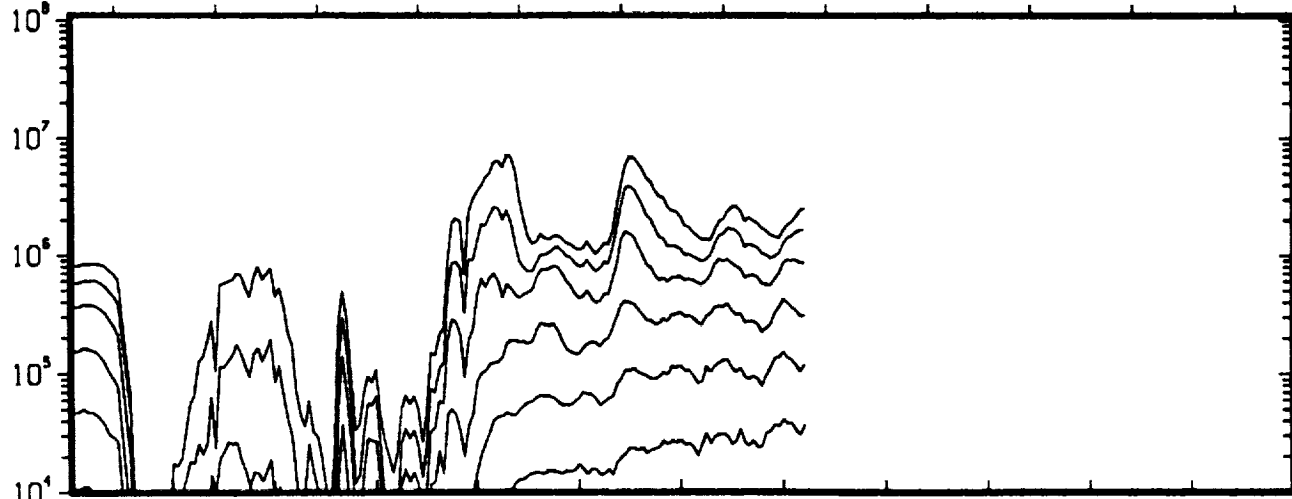
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

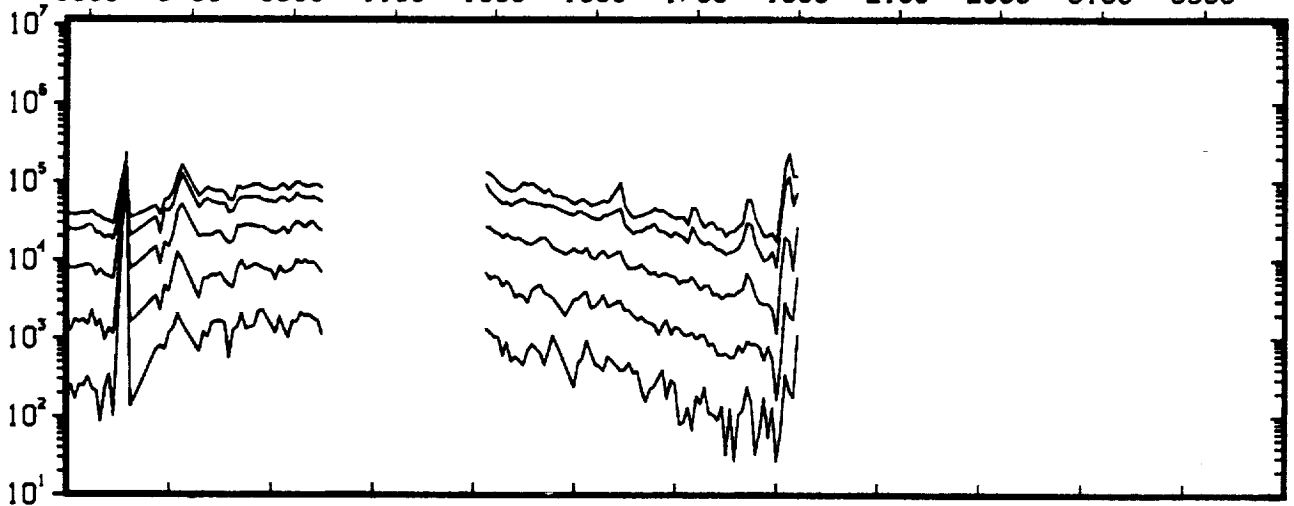


# LOW ENERGY IONS

1977-007

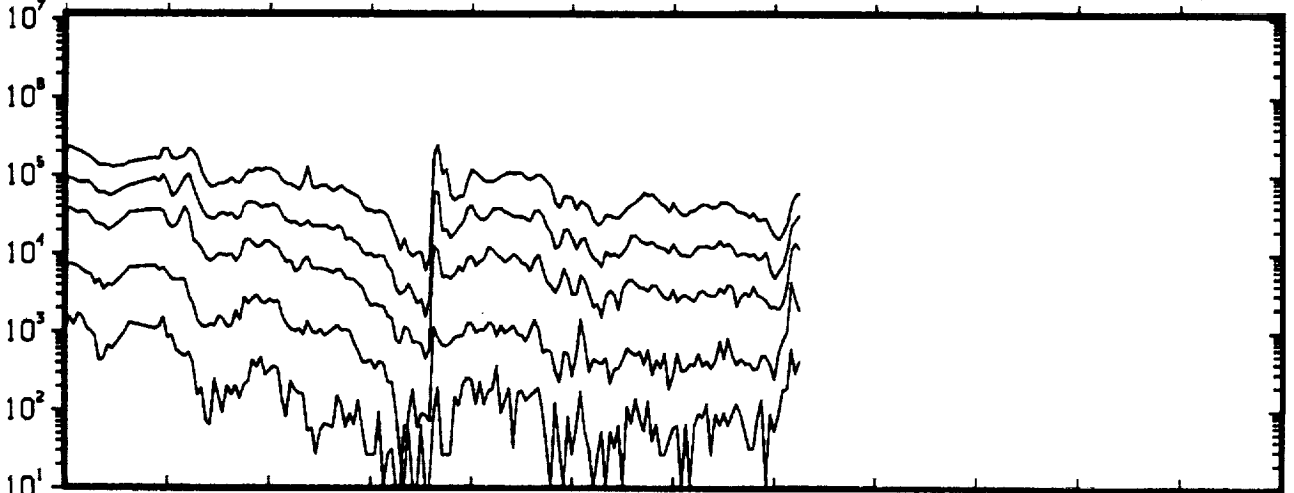
83/09/25

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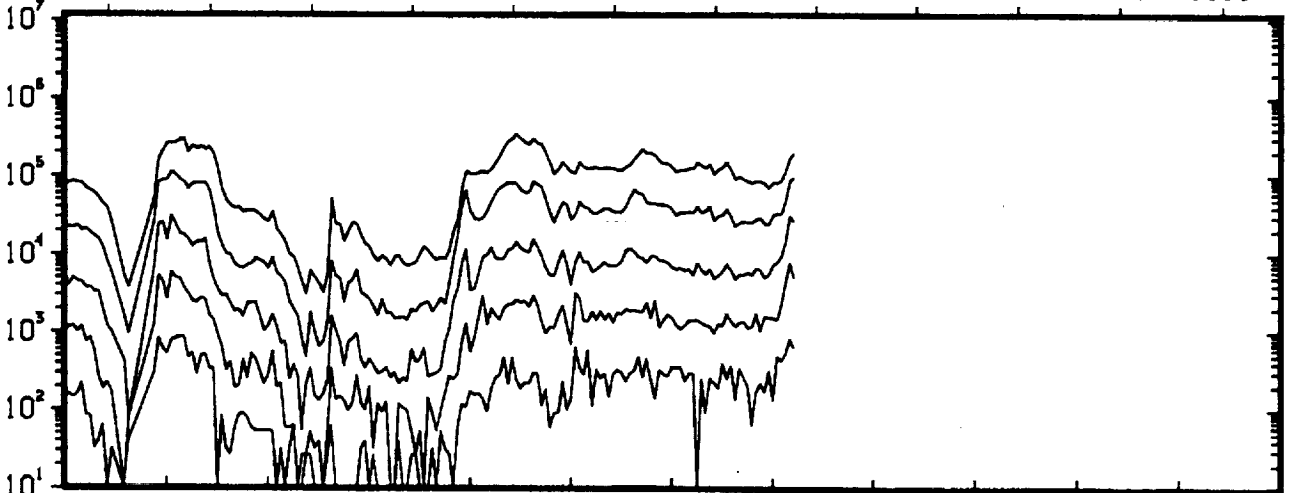
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



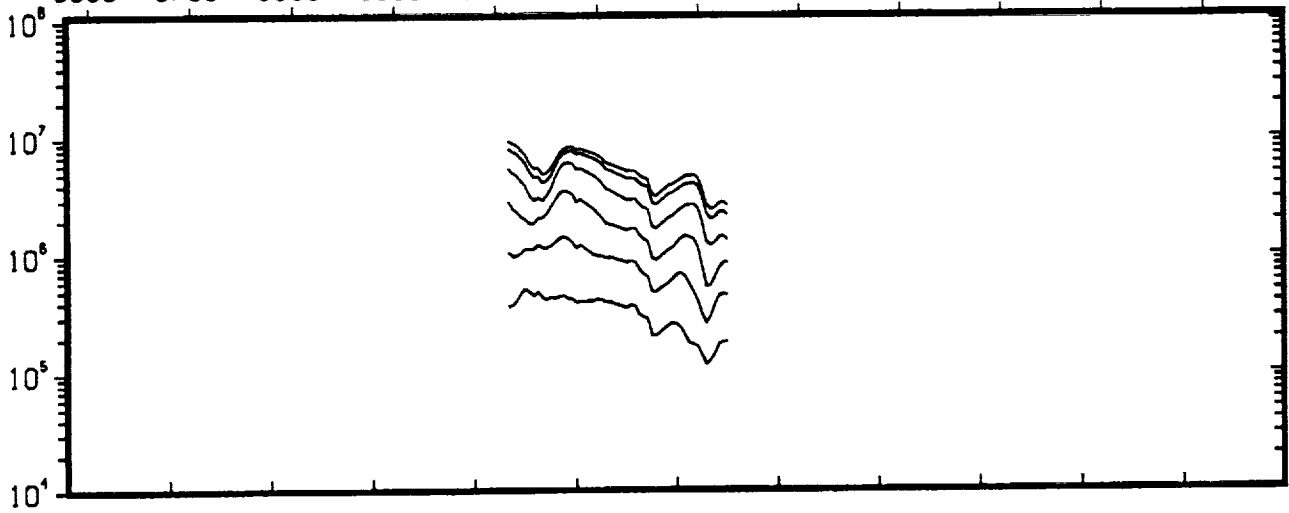
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

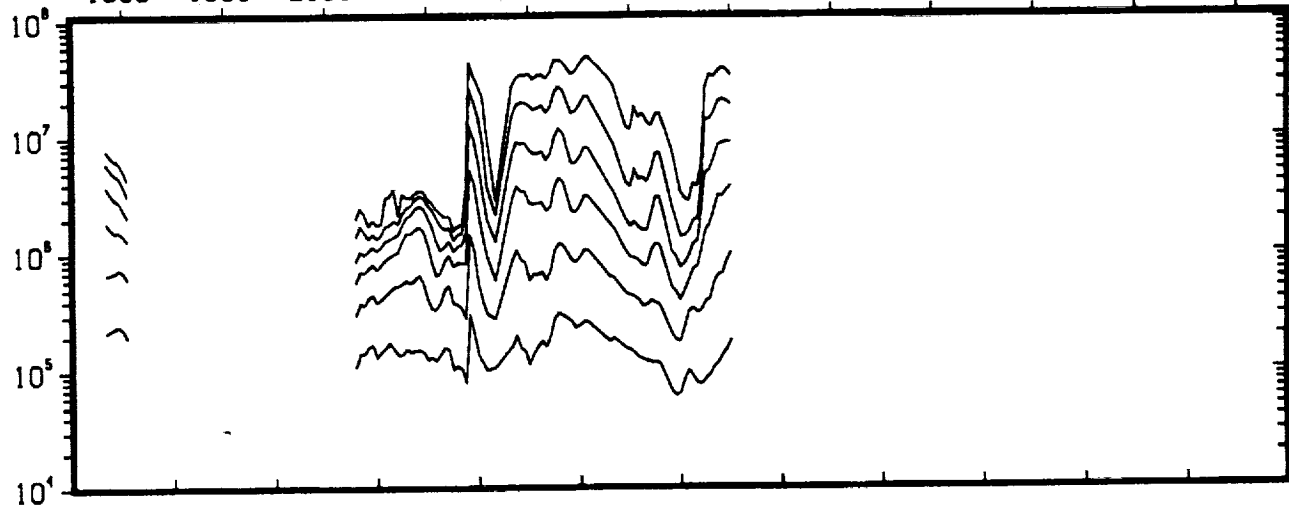
83/09/26

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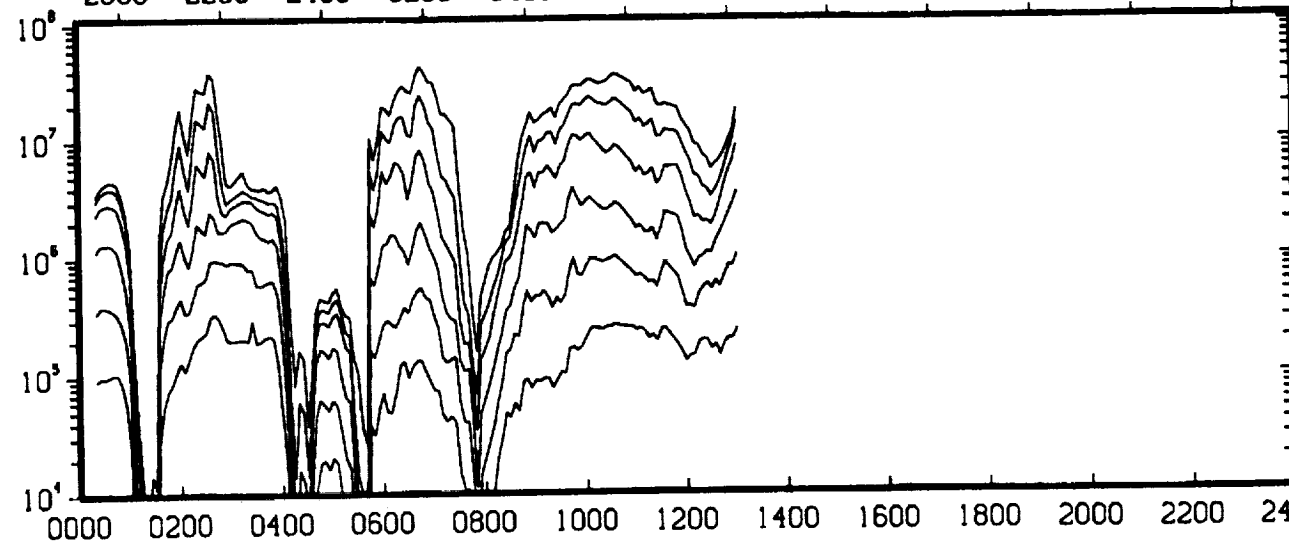
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



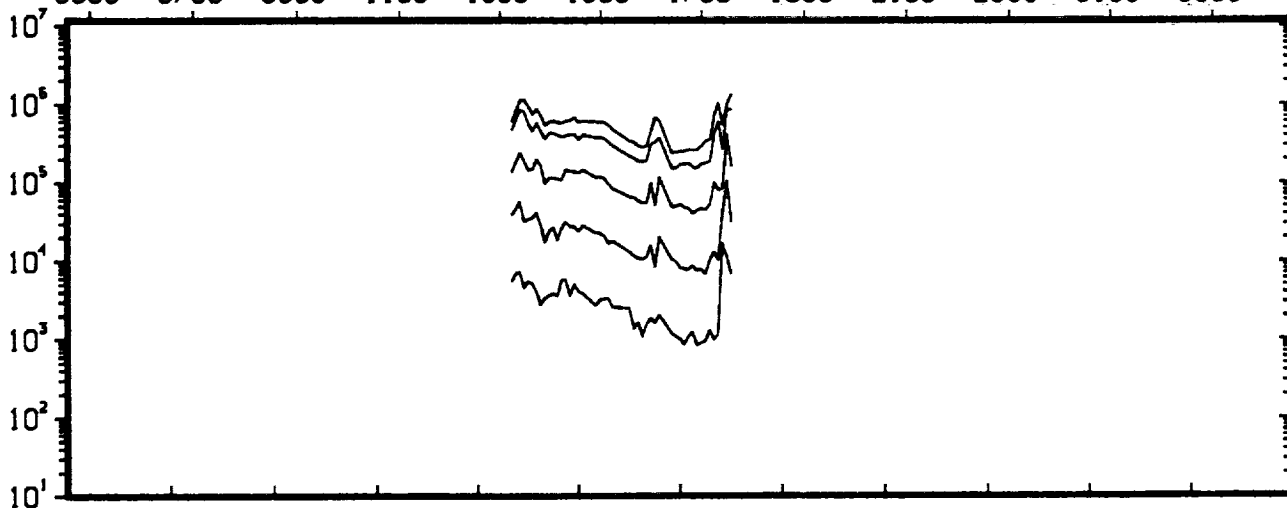
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

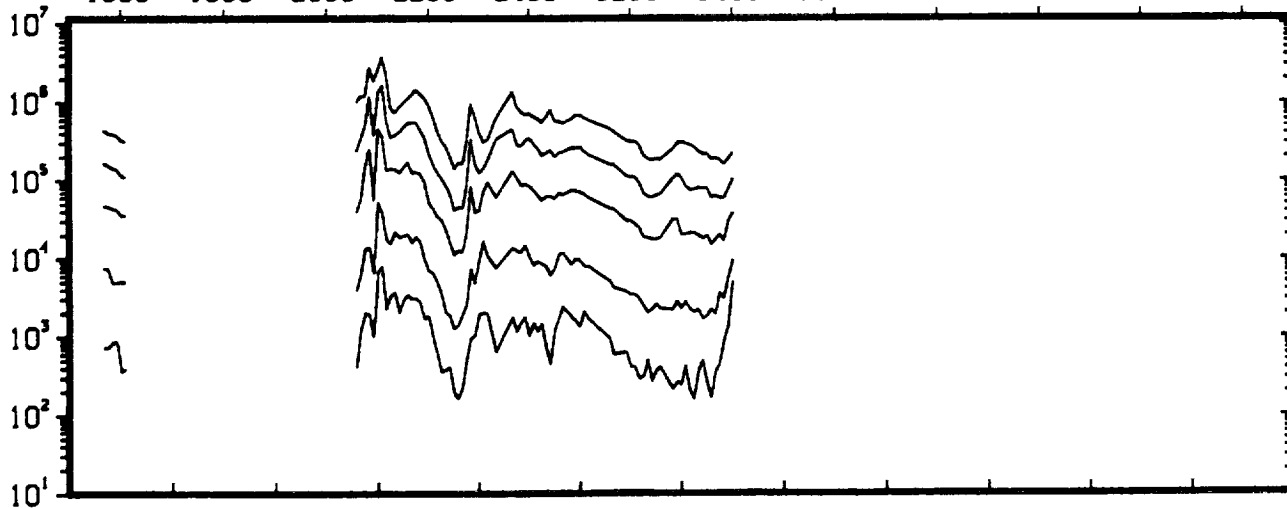
83/09/26

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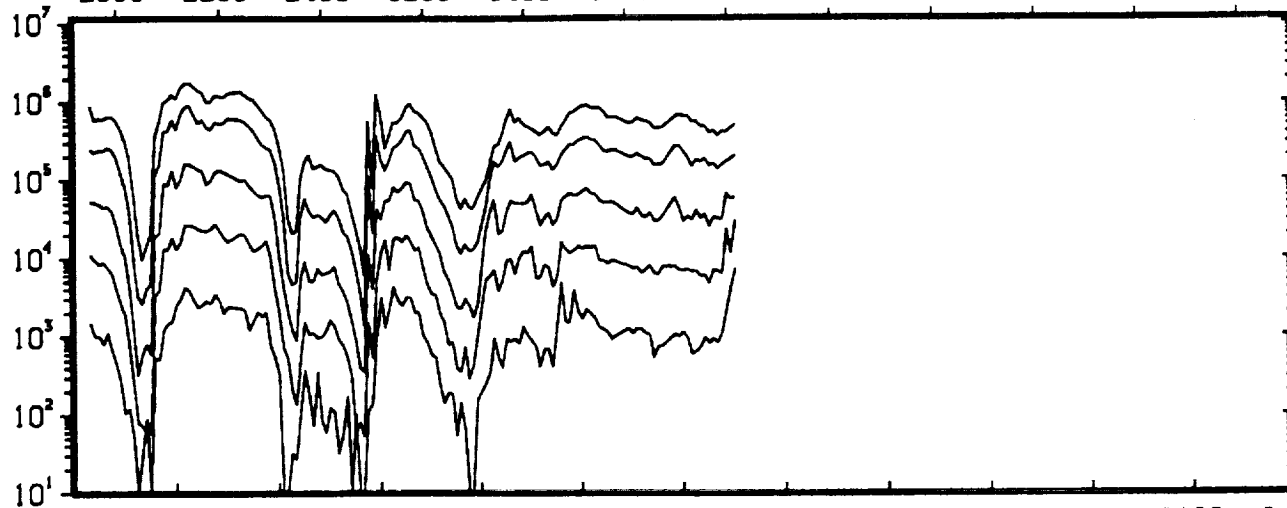
1981-025

1600 1800 2000 2200 2400 0200 0400 0600 0800 1000 1200 1400



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



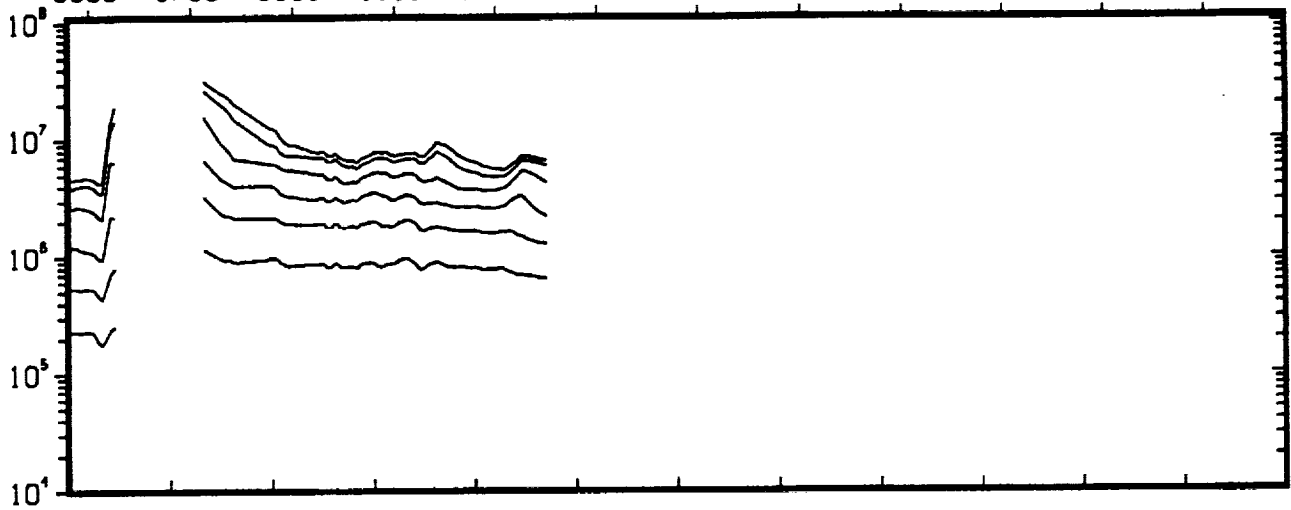
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY ELECTRONS

1977-007

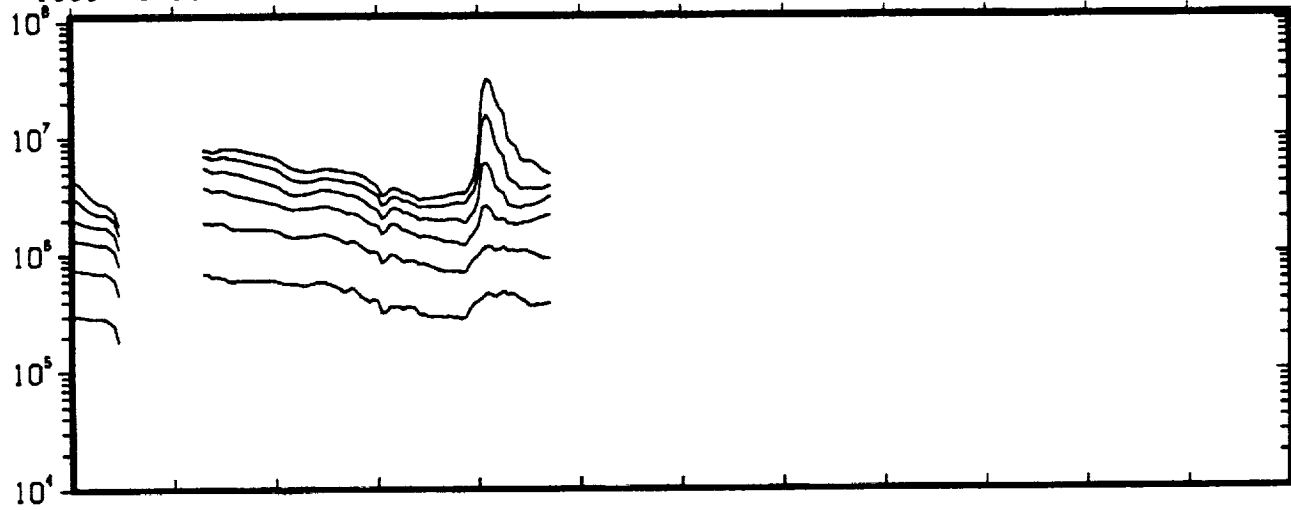
83/09/27

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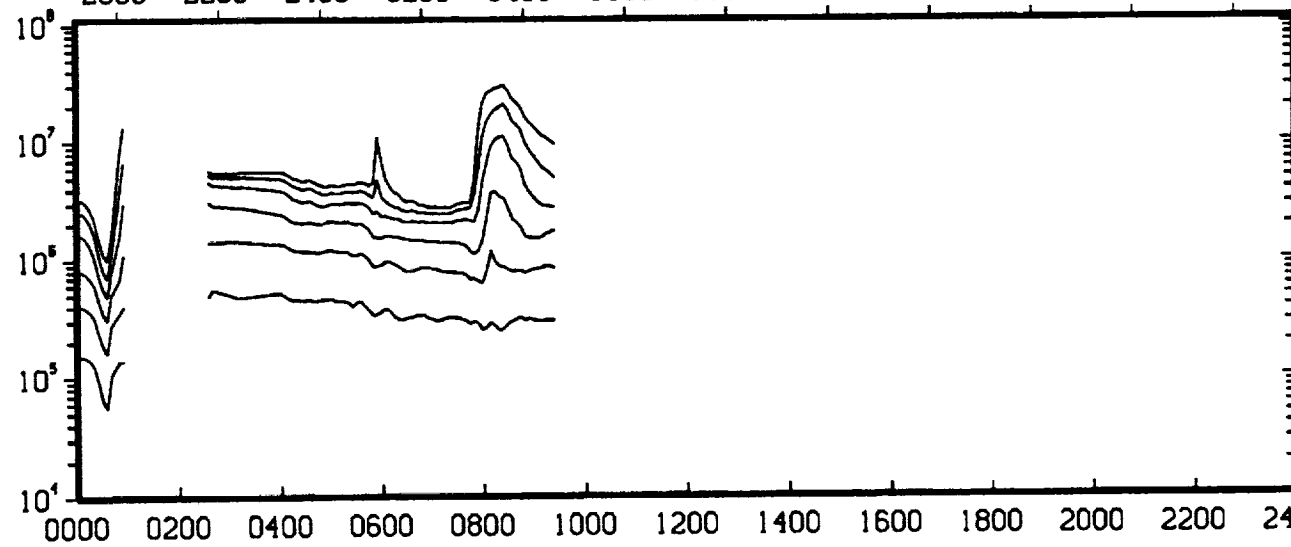
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



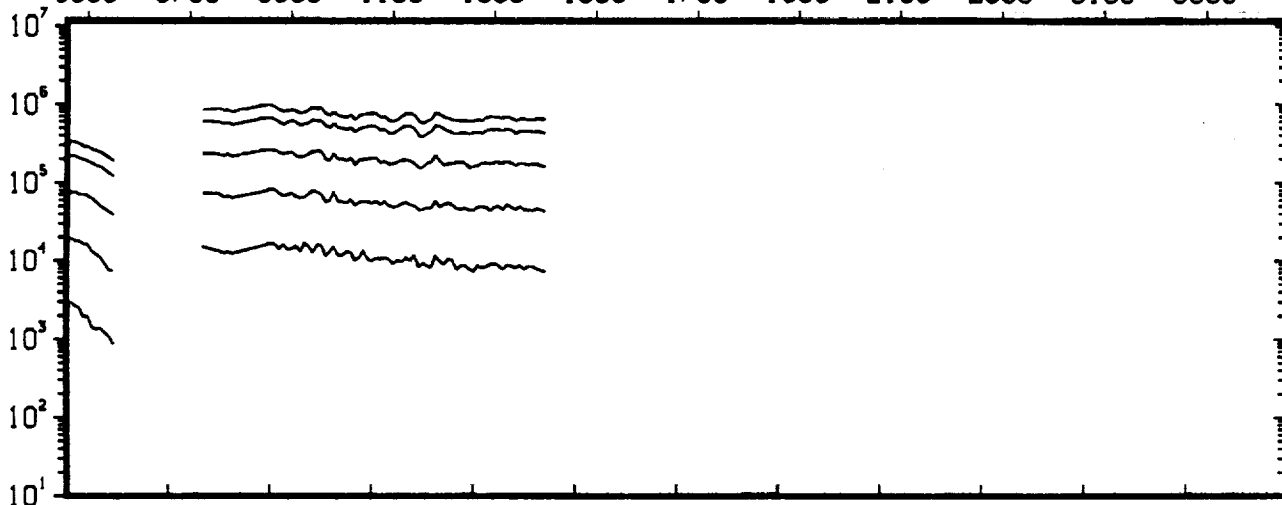
INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

# LOW ENERGY IONS

1977-007

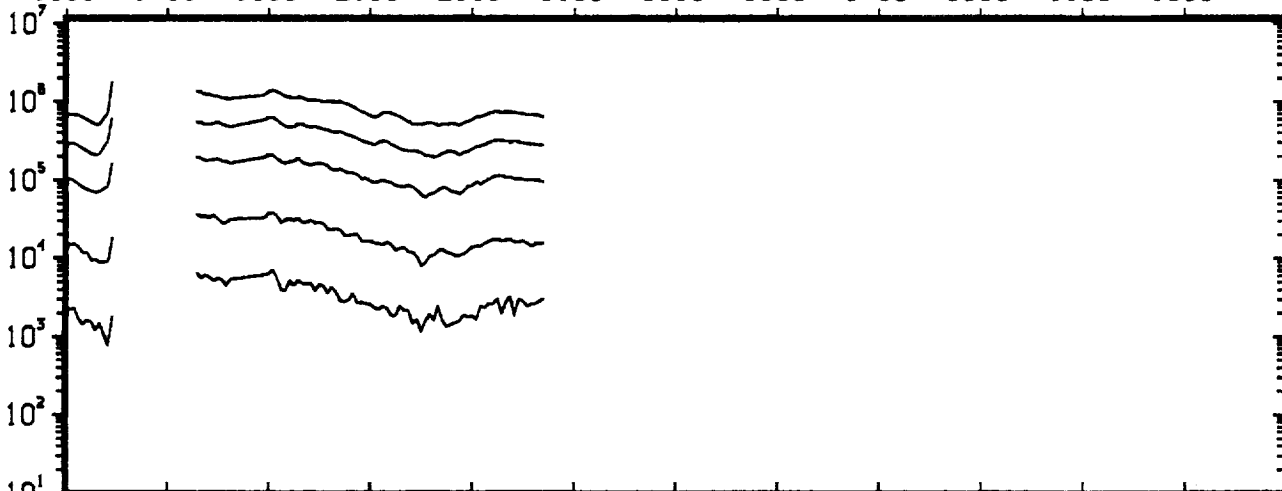
83/09/27

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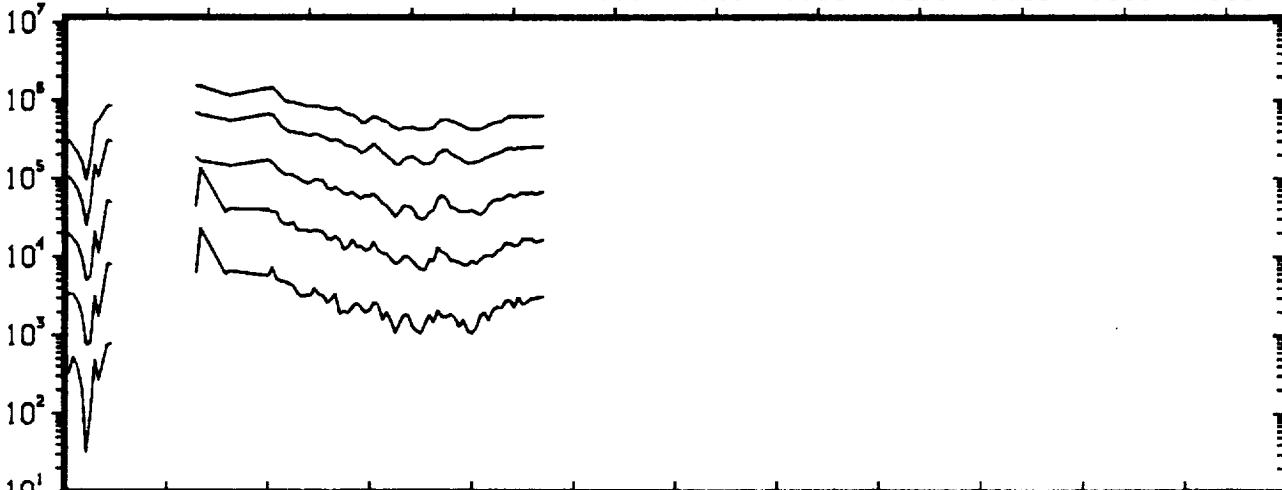
1981-025

1500 1700 1900 2100 2300 0100 0300 0500 0700 0900 1100 1300



1982-019

2000 2200 2400 0200 0400 0600 0800 1000 1200 1400 1600 1800



INTEGRAL FLUX -  $\text{CM}^{-2} \text{S}^{-1} \text{SR}^{-1}$

