#485

PIONEER VENUS

OGBD FLUX RATE (SOLAR EVENTS) DATA

78-051A-05A SOGA-00009

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

http://nssdc.gsfc.nasa.gov/nmc/

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/

b. Core Catalog Materials

PIONEER VENUS 1

OBGD SOLAR EVENTS

78-051A-05A SOGA-00009

THIS DATA SET HAS BEEN RESTORED. THERE WAS ORIGINALLY ONE 9-TRACK, 1600 BPI TAPE WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON A CDC 6600 COMPUTER AND WAS RESTORED ON THE MRS SYSTEM. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005406	DS005406	D043898	1	ID
			2-4	06/07/80
			5-7	06/21/80
			8-10	06/29/80

REQ. AGENT	RD#	ACQ.AGENT
LSM	V0070	DMS

PIONEER VENUS 1
OGBD FLUX RATE (SOLAR EVENTS) DATA

78-051A-05A

This data set consists of 1 9 track , 1600 BPI, 10 file, CDC formatted data tape.

D#	C#	FILES	TIME SPAN
D-43898	C-21383	10	6/7/80,6/21/80,6/29/80

JOHN 5

NASA
National Aeronautics and Space Administration

DATA ANALYSIS WORKSHOP CENTER

78-051A-05
JON 5D

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

Orbiter Gamma-ray Burst Detector

1. Data Set Name Pioneer Venus OGBD Solar Events - 1980 June		
2. Scientific Contact R. Klebesadel	3. Telephone No. or Telex No. FTS 843-4944	
4. Address MS 436		
5. City Los Alamos	6. State NM	7. ZIP Code or Country 87545
8. Programmer Contact R. Klebesadel		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1 (one)	2. Tape Density ☐ 800 bpi ☒ 1600 bpi
3. No. of Files (per tape) ten (10)	
4. No. of End of File Marks eleven (11)	5. No. of Tracks ☐ 7 ☒ 9
6. Recording Parity Odd	7. Make and Model of Computer Used to Generate Tape CDC 6600
8. Are tapes written in binary, coded or both? (e.g. BCD) Both, see note 1.	
9. What floating point representation is used? (e.g. CDC 64 bit) CDC 60 bit	
10. What integer representation is used? CDC 60 bit	
11. No. of Physical Records (per file) Variable	
12. Are original tapes to be returned? ☐ Yes ☒ No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) See note 2.	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

	CDB No.
Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

601-79 (10/80)

NOTE 1: File structure

ID File,

Record 1 of first file is 200-10 character words long, CDC display code alphanumeric.

Data File,

Record 1 - 4 word (10 characters) CDC alphanumeric.

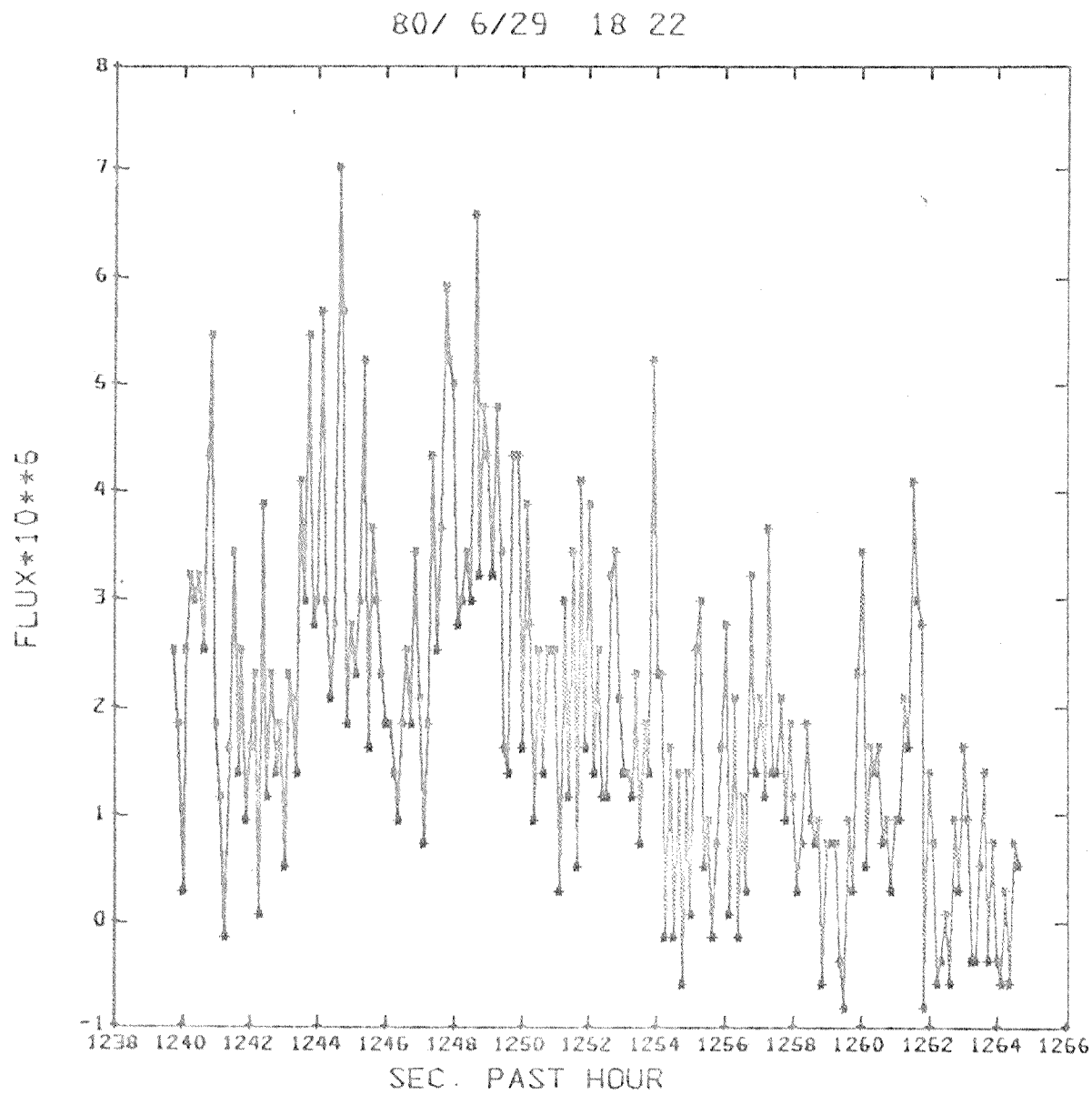
Word 1 - Date, in the form YR/MO/DAY
Word 2 - U.T., in the form HR:MIN
Word 3 - Background counting rate
Word 4 - Flux conversion employed (per count)

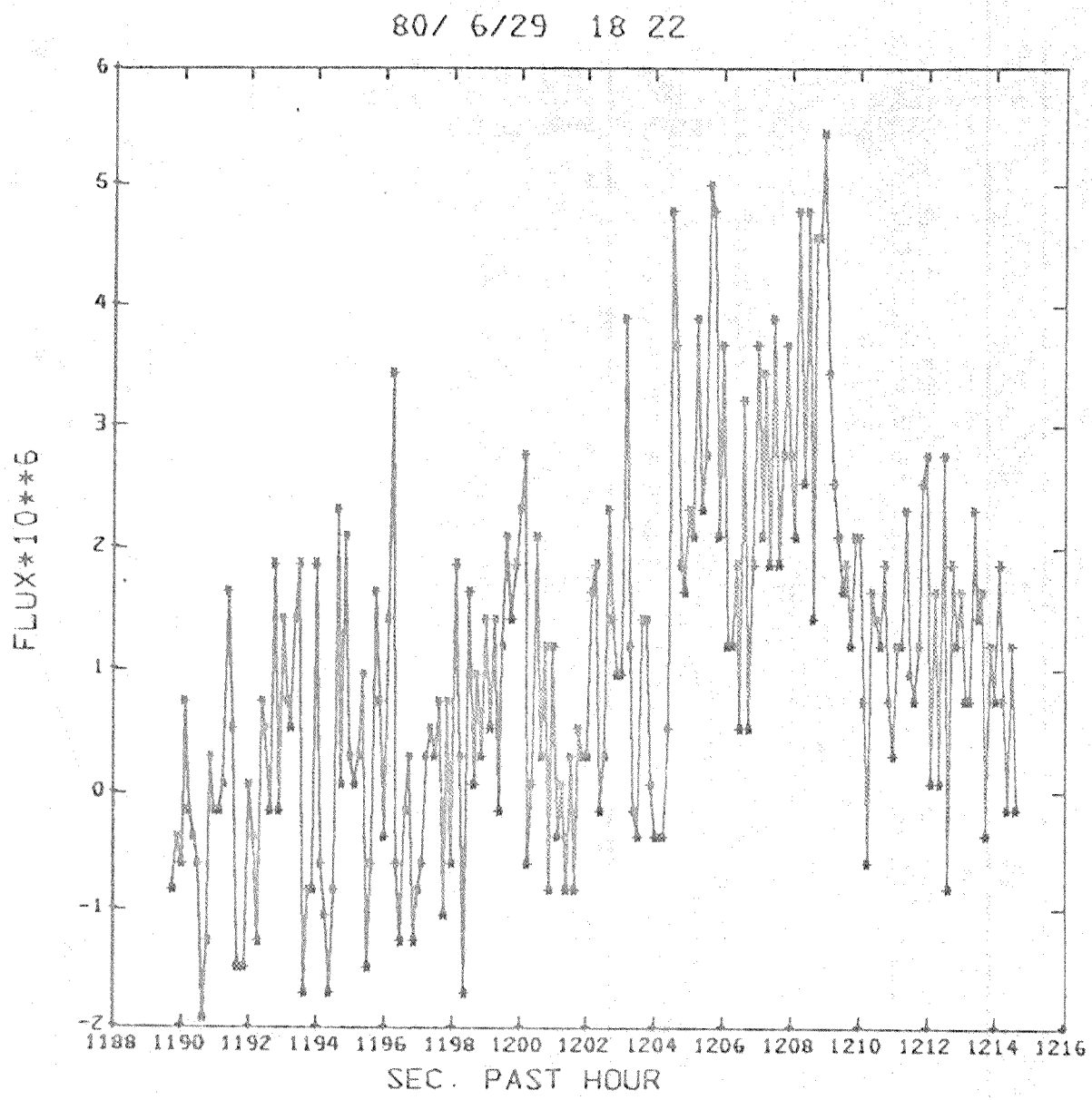
Record 2 through N - 400 word data records (CDC f.p.)

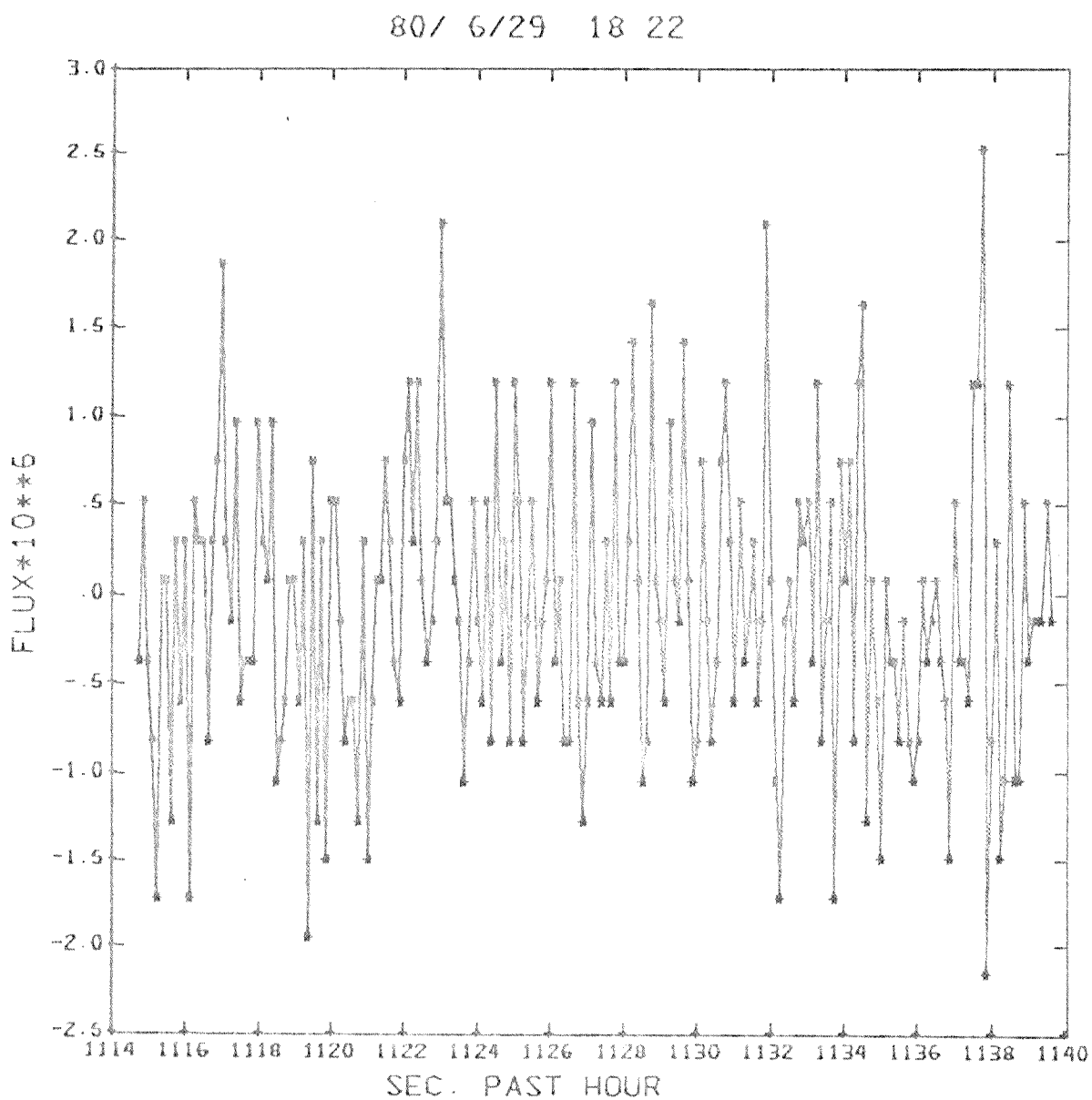
for I=1 through 400 by 2
Word (I)= U.T. at start of the data sample, seconds.
Word (I+1)=Net flux indicated

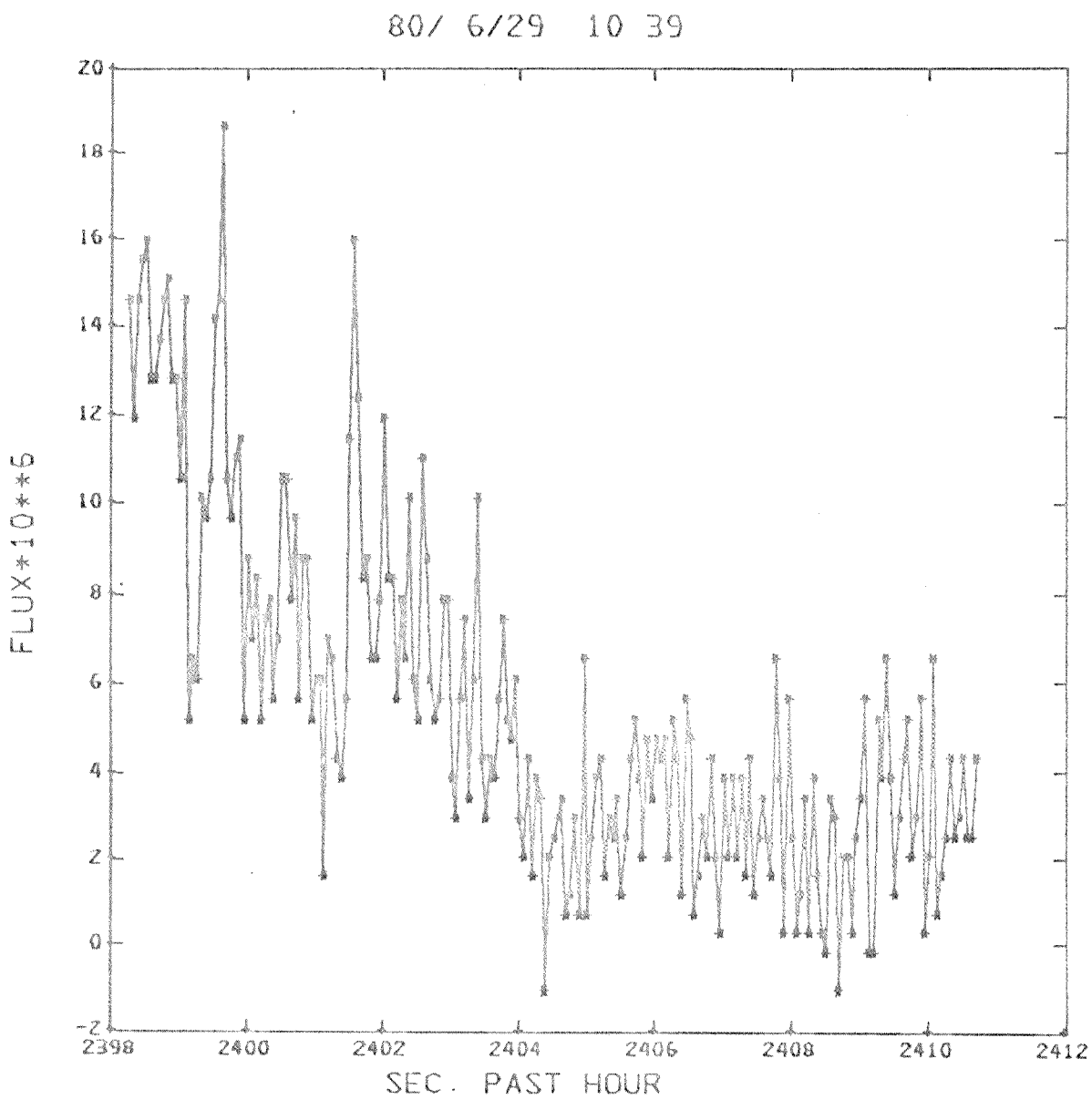
NOTE 2: File contents

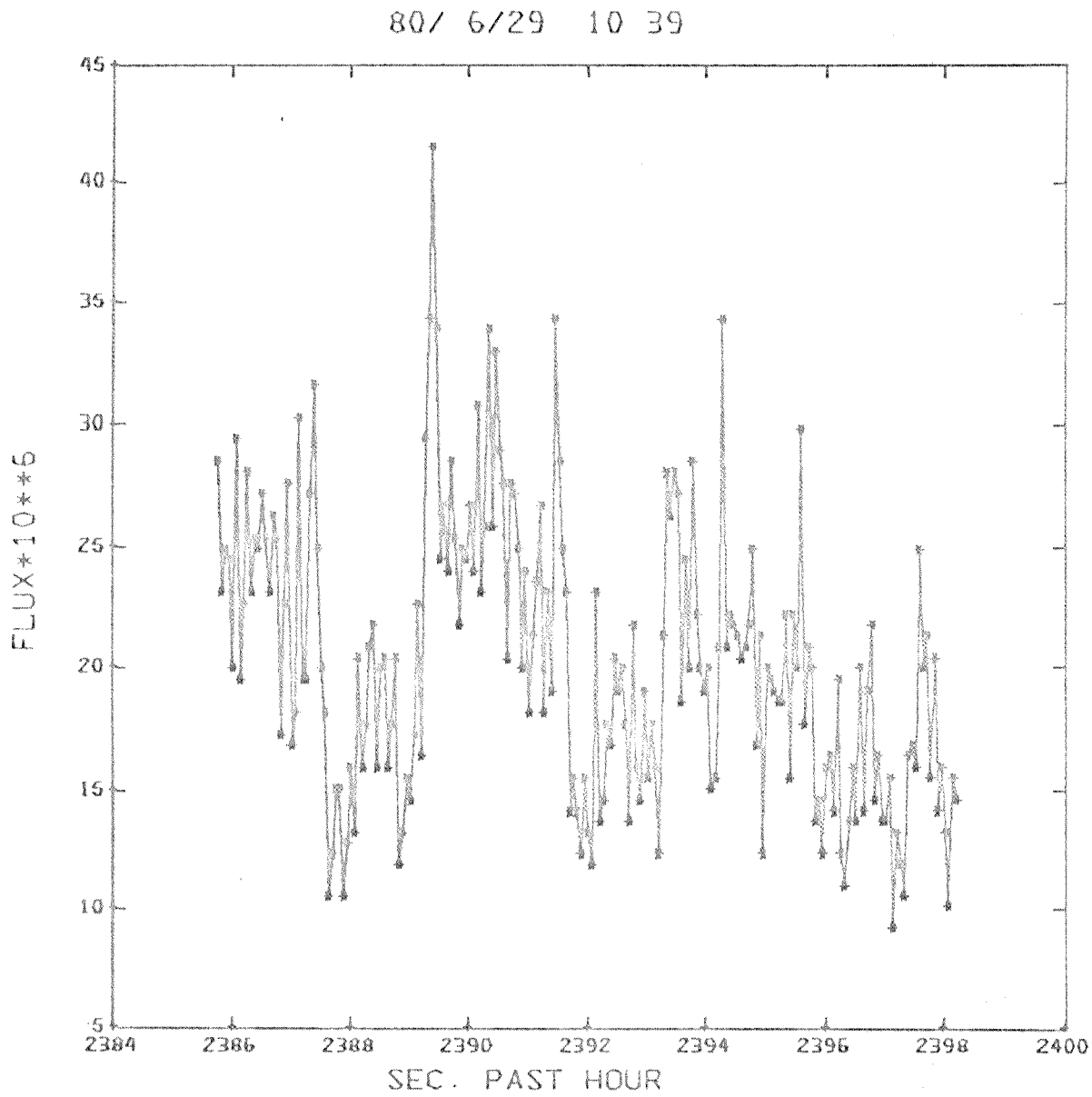
File no.	Date	Start time	End time	No. records
1	I.D.File			1
2	80/06/07	04220	04819 sec U.T.	2
3	80/06/07	10012	12019	6
4	80/06/07	26204	26611	3
5	80/06/21	04420	04892	3
6	80/06/21	73651	73810	8
7	80/06/21	85811	86002	9
8	80/06/29	09035	09226	9
9	80/06/29	38311	38492	16
10	80/06/29	65915	66426	22

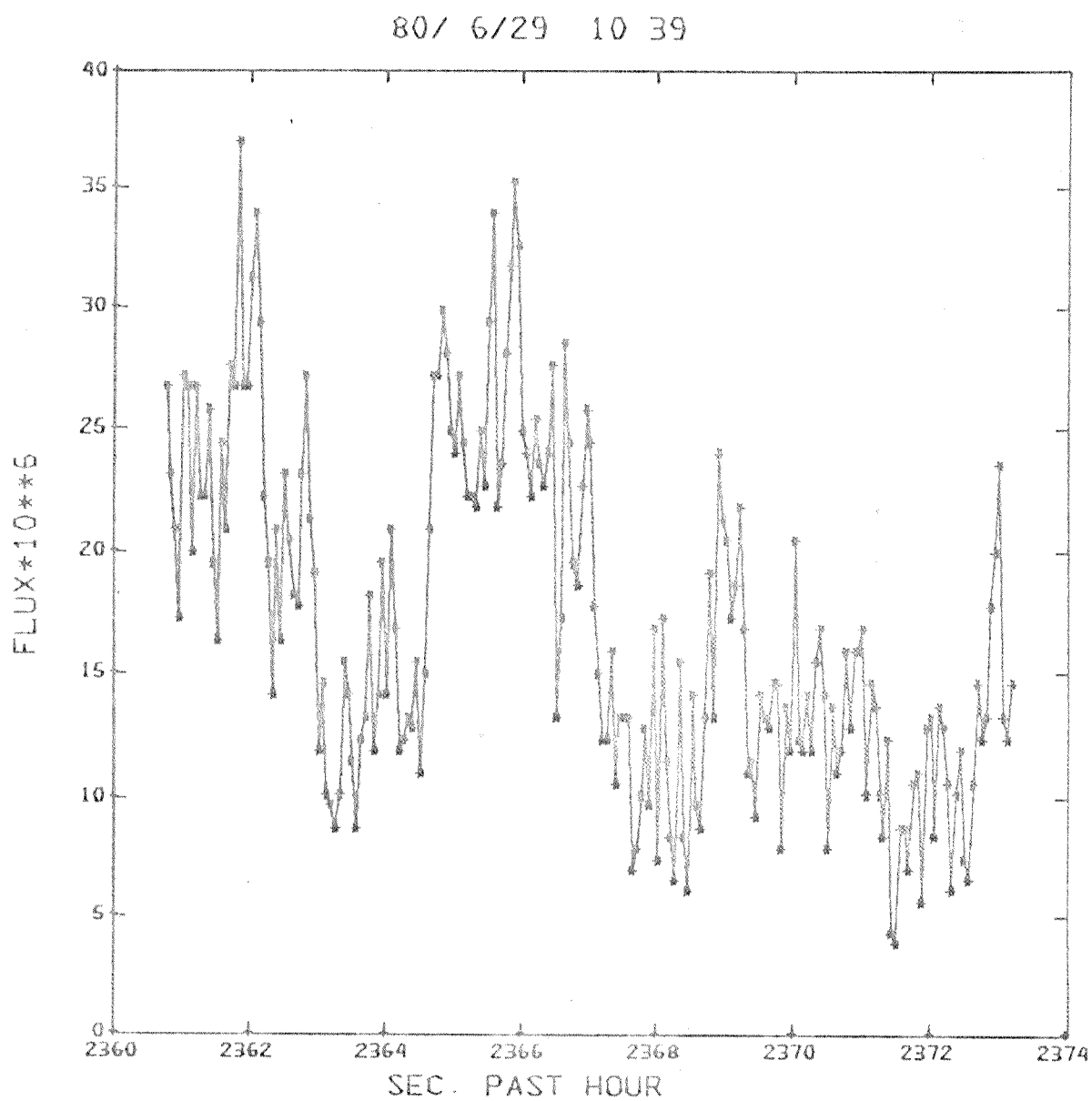

80/ 6/29 18 22
FLUX*10**5
8
7
6
5
4
3
2
1
0
-1
1238 1240 1242 1244 1246 1248 1250 1252 1254 1256 1258 1260 1262 1264 1266
SEC. PAST HOUR


80/ 6/29 18 22
FLUX*10**6
6
5
4
3
2
1
0
-1
-2
1188 1190 1192 1194 1196 1198 1200 1202 1204 1206 1208 1210 1212 1214 1216
SEC. PAST HOUR


80/ 6/29 18 22
FLUX*10**6
3.0
2.5
2.0
1.5
1.0
.5
.0
-.5
-1.0
-1.5
-2.0
-2.5
1114 1116 1118 1120 1122 1124 1126 1128 1130 1132 1134 1136 1138 1140
SEC. PAST HOUR


80/ 6/29 10 39
FLUX*10**6
20
18
16
14
12
10
8
6
4
2
0
-2
2398
2400
2402
2404
2406
2408
2410
2412
SEC. PAST HOUR


80/ 6/29 10 39
FLUX*10**6
45
40
35
30
25
20
15
10
5
2384
2386
2388
2390
2392
2394
2396
2398
2400
SEC. PAST HOUR


80/ 6/29 10 39
FLUX*10**6
SEC. PAST HOUR
0
5
10
15
20
25
30
35
40
2360
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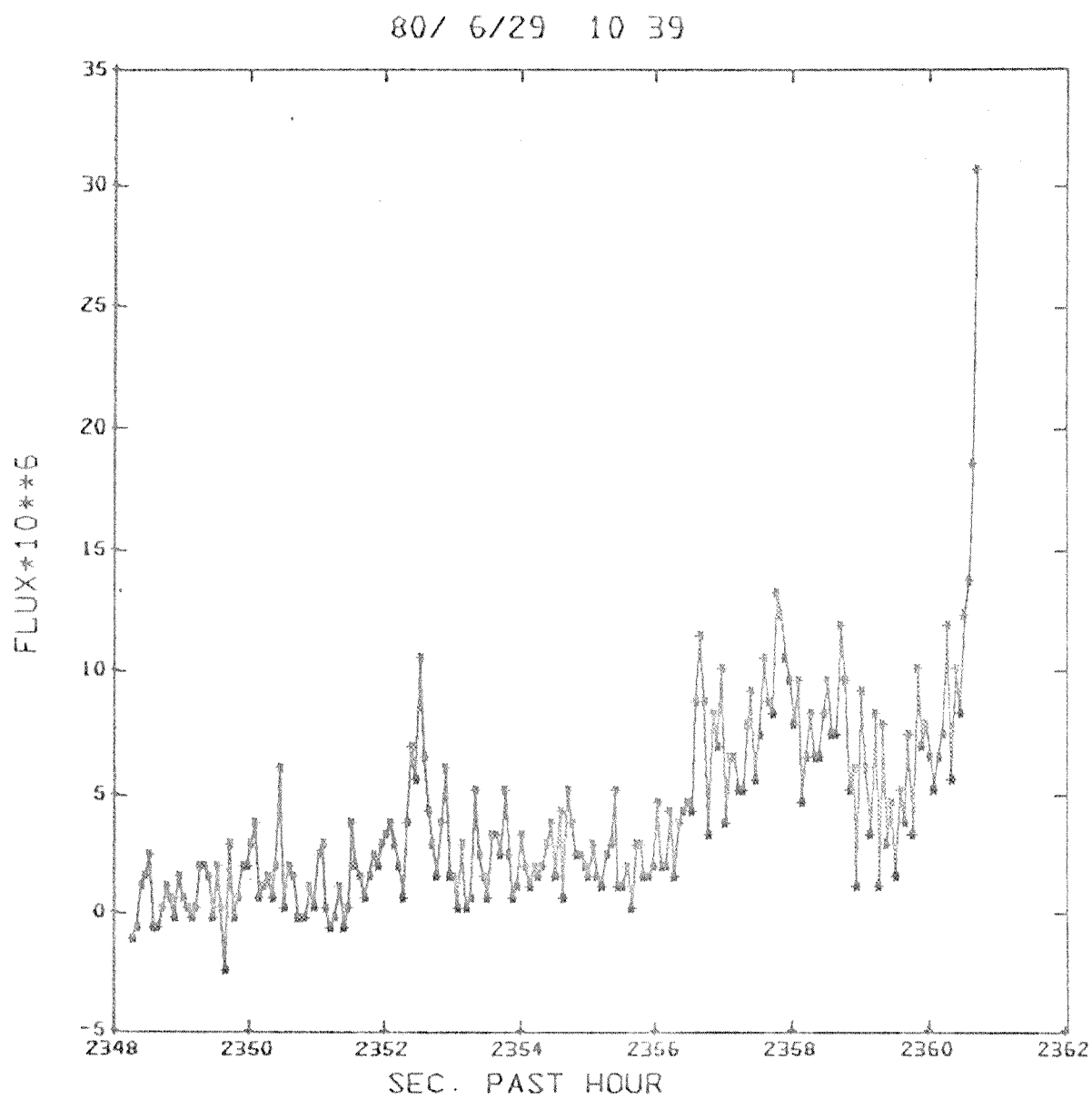
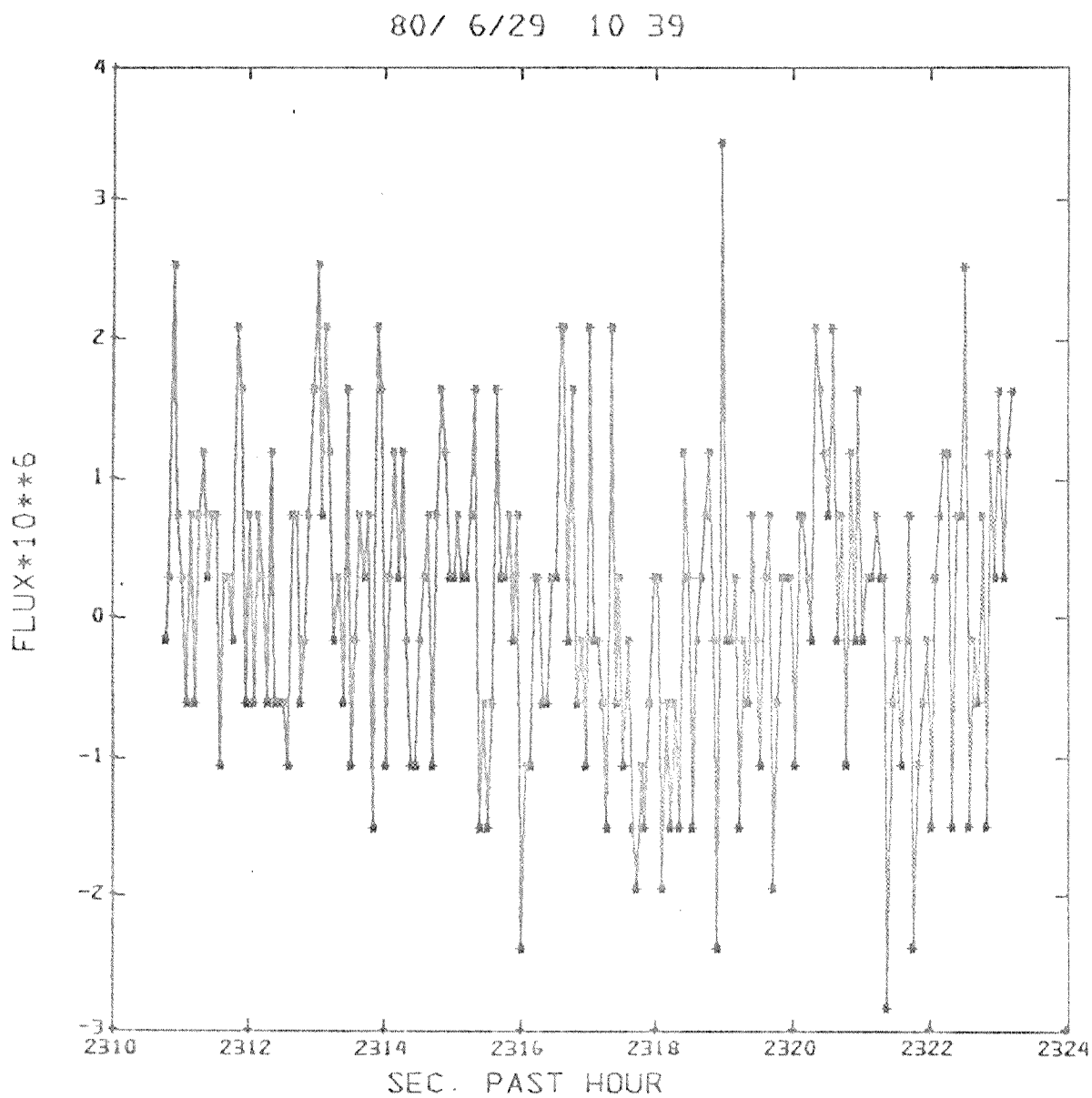
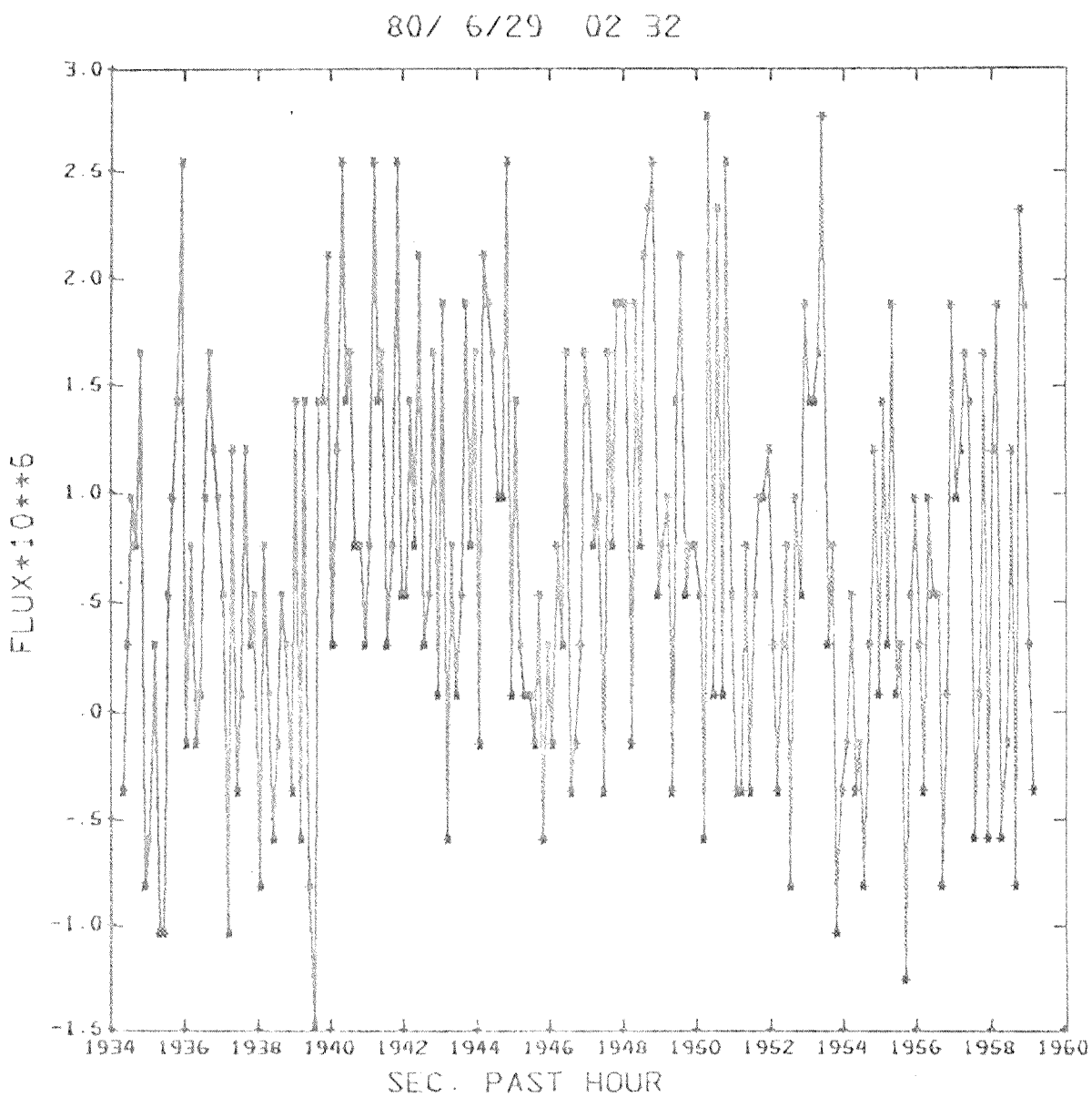
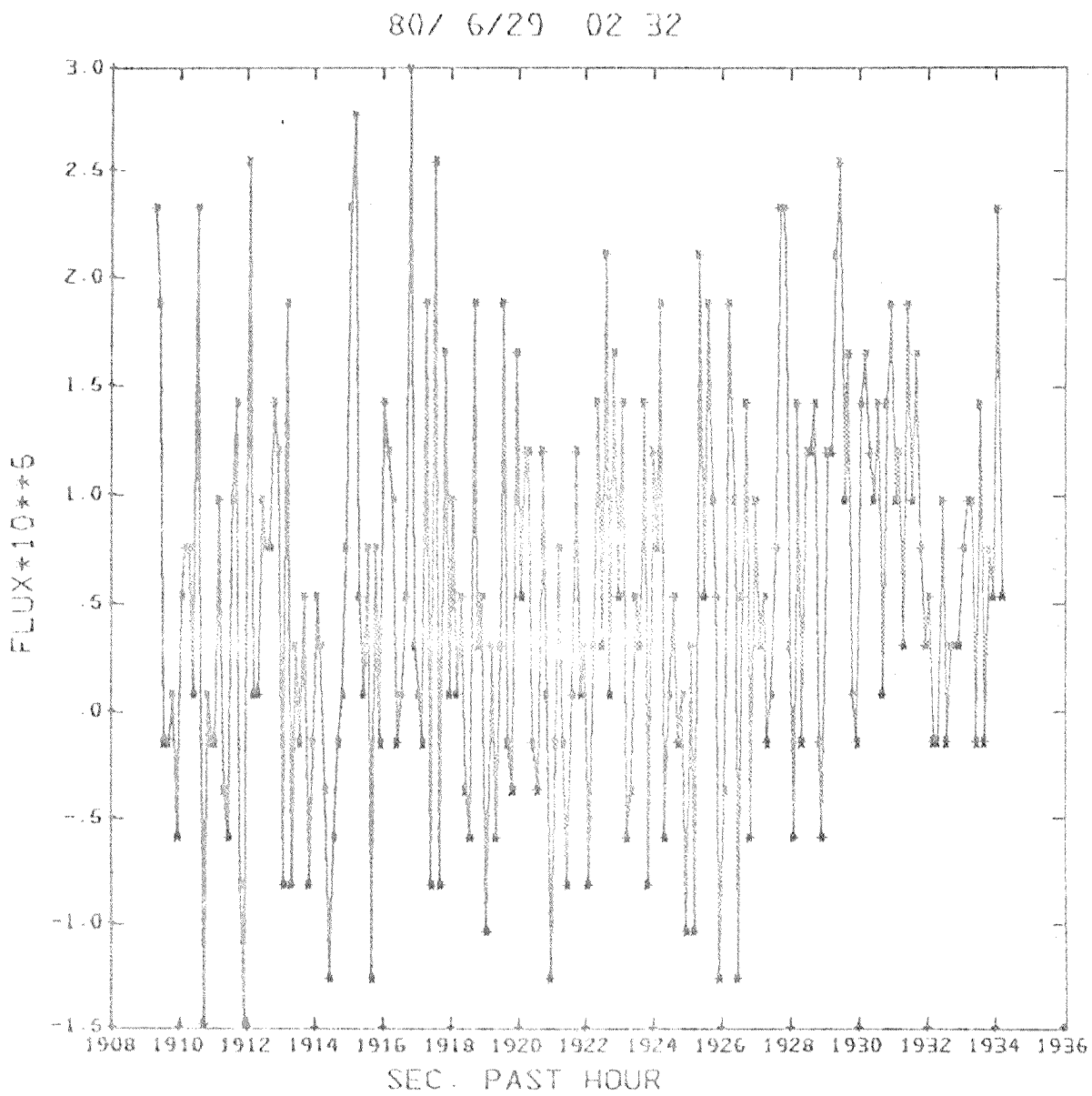
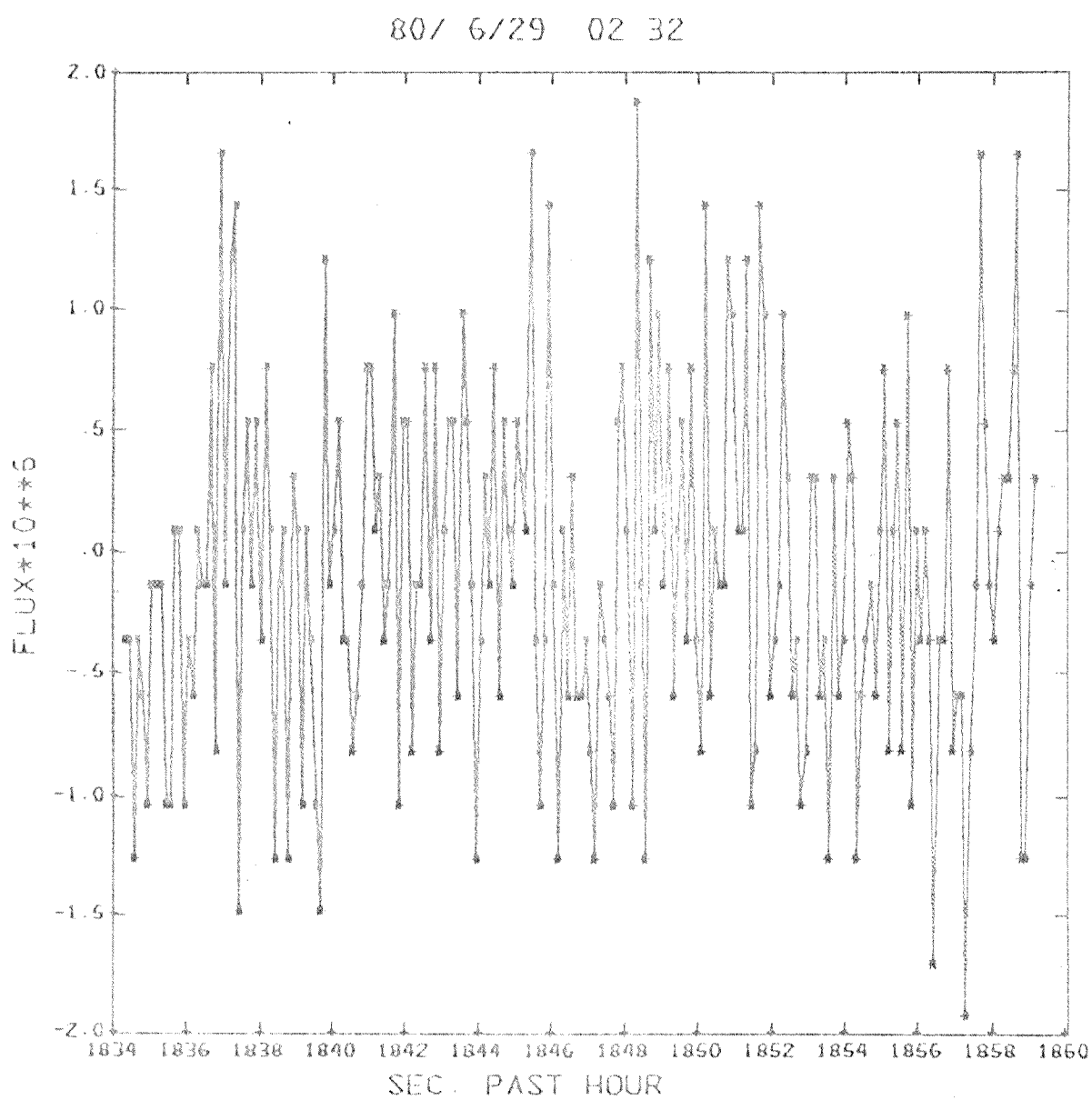
2364
2366
2368
2370
2372
2374

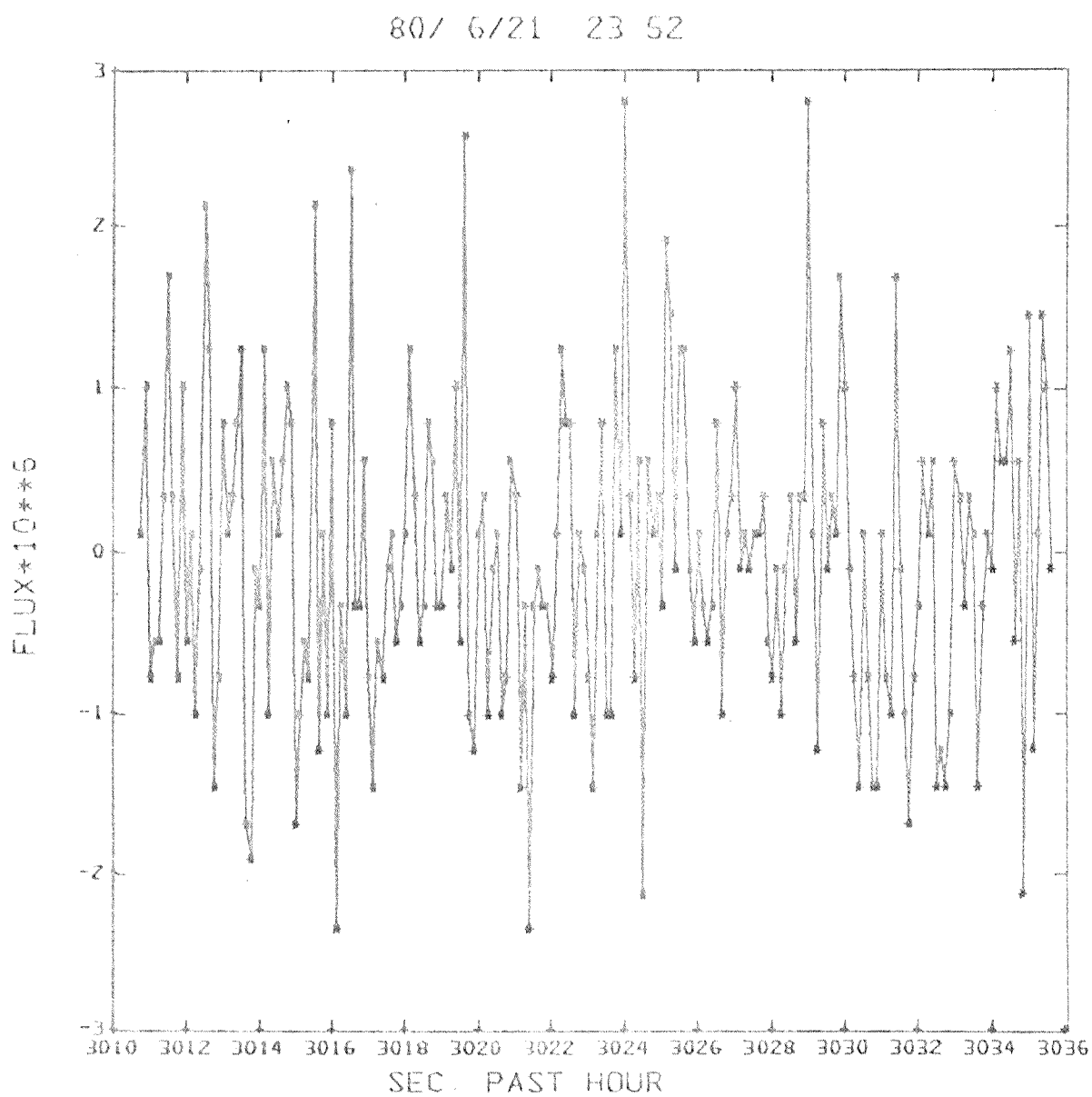

80/ 6/29 10 39
FLUX*10**6
35
30
25
20
15
10
5
0
-5
2348
2350
2352
2354
2356
2358
2360
2362
SEC. PAST HOUR

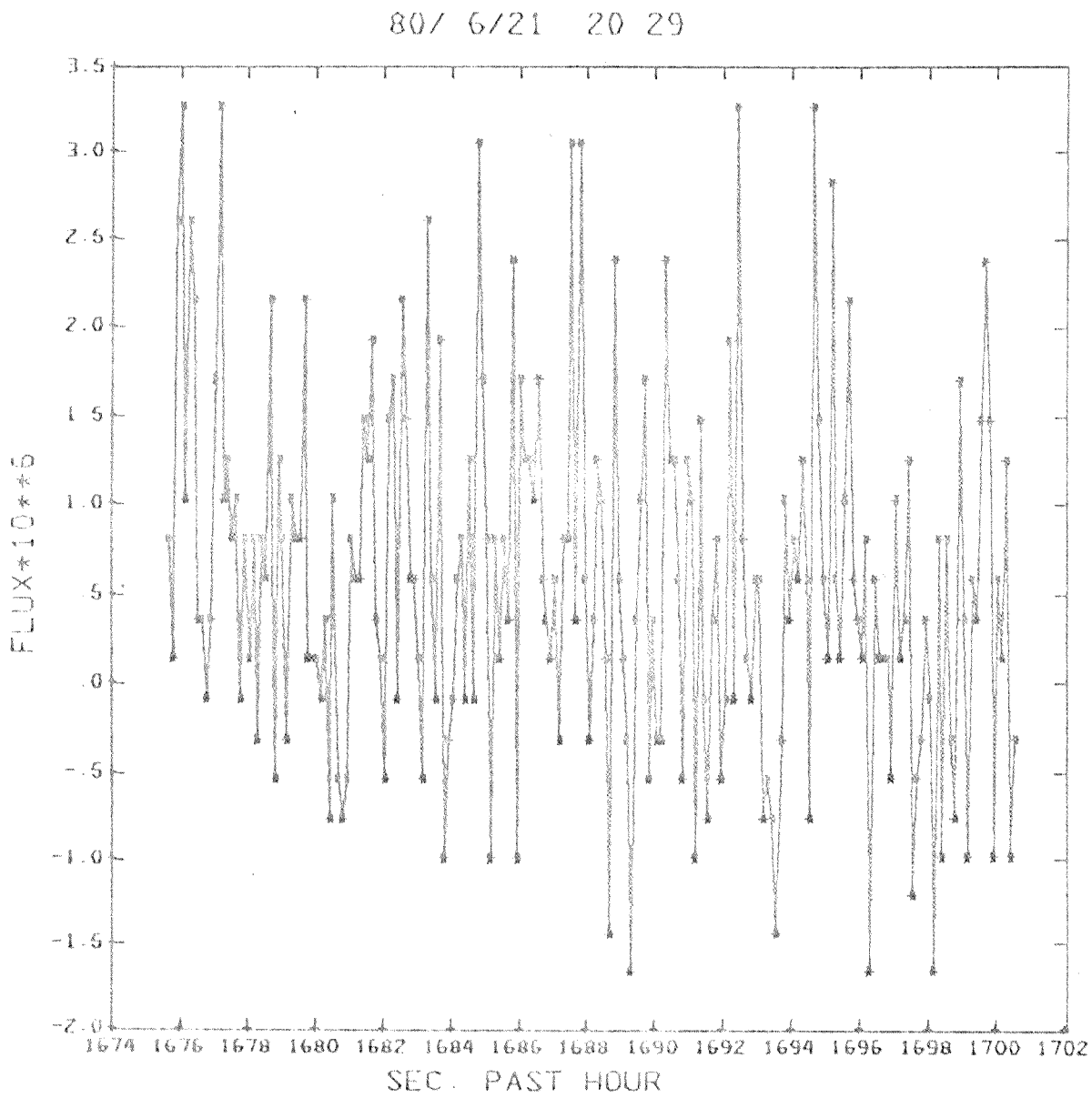

80/ 6/29 10 39
FLUX*10**6
4
3
2
1
0
-1
-2
-3
2310
2312
2314
2316
2318
2320
2322
2324
SEC. PAST HOUR

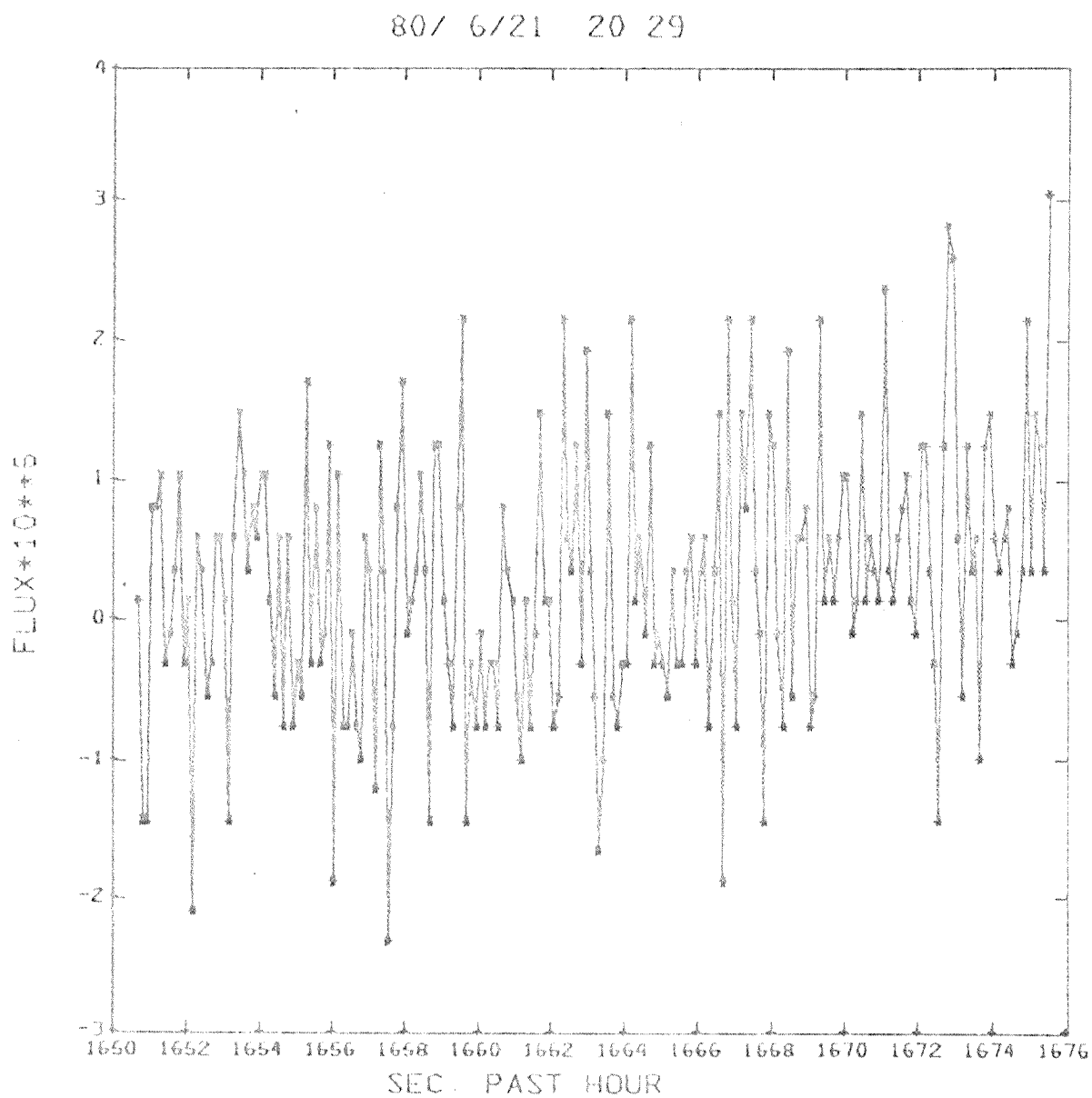

80/ 6/29 02 32
FLUX*10**6
3.0
2.5
2.0
1.5
1.0
.5
.0
-.5
-1.0
-1.5
1934
1936
1938
1940
1942
1944
1946
1948
1950
1952
1954
1956
1958
1960
SEC. PAST HOUR

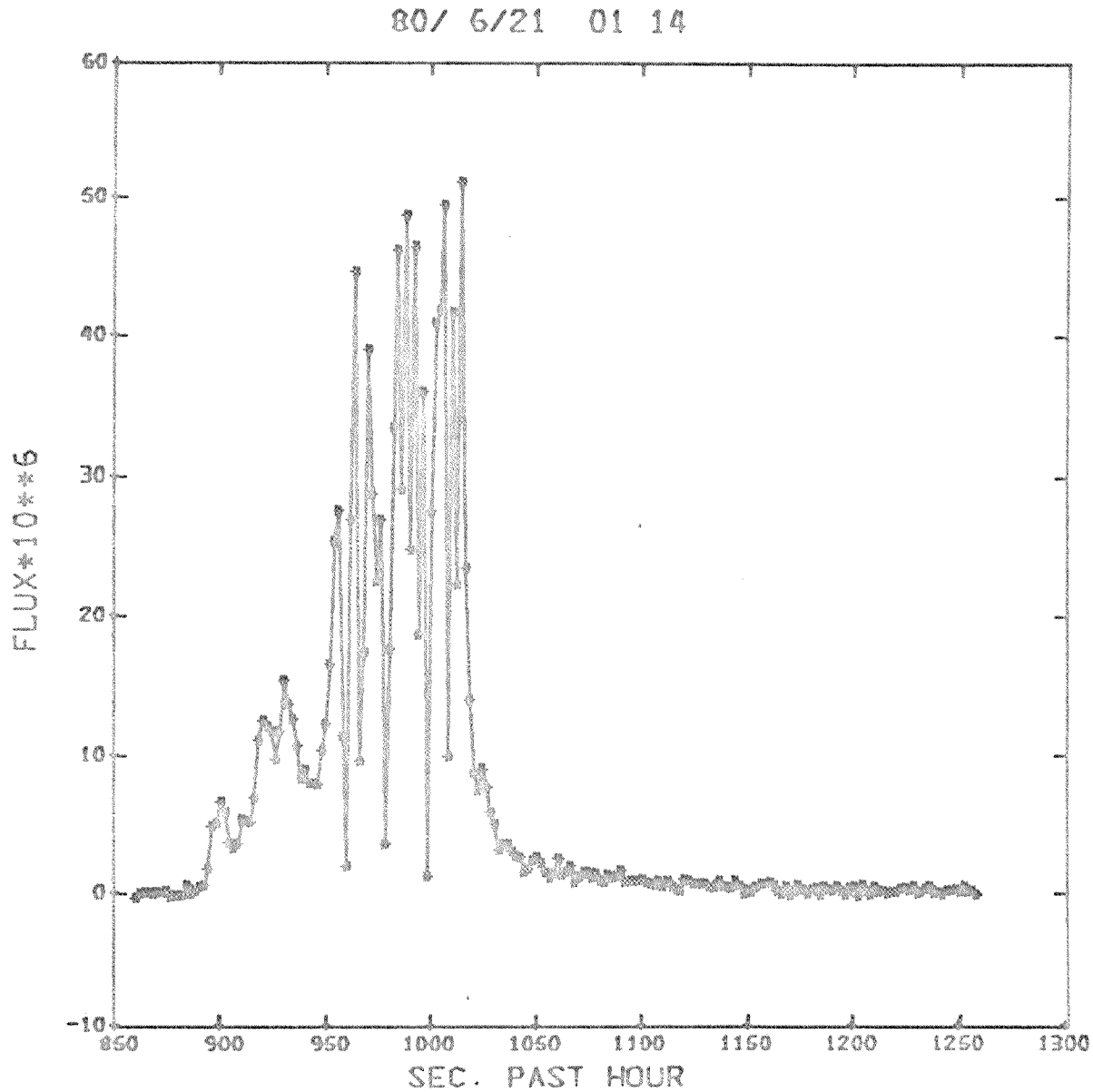

80/ 6/29 02 32
FLUX*10**5
3.0
2.5
2.0
1.5
1.0
.5
.0
-.5
-1.0
-1.5
1908 1910 1912 1914 1916 1918 1920 1922 1924 1926 1928 1930 1932 1934 1936
SEC. PAST HOUR

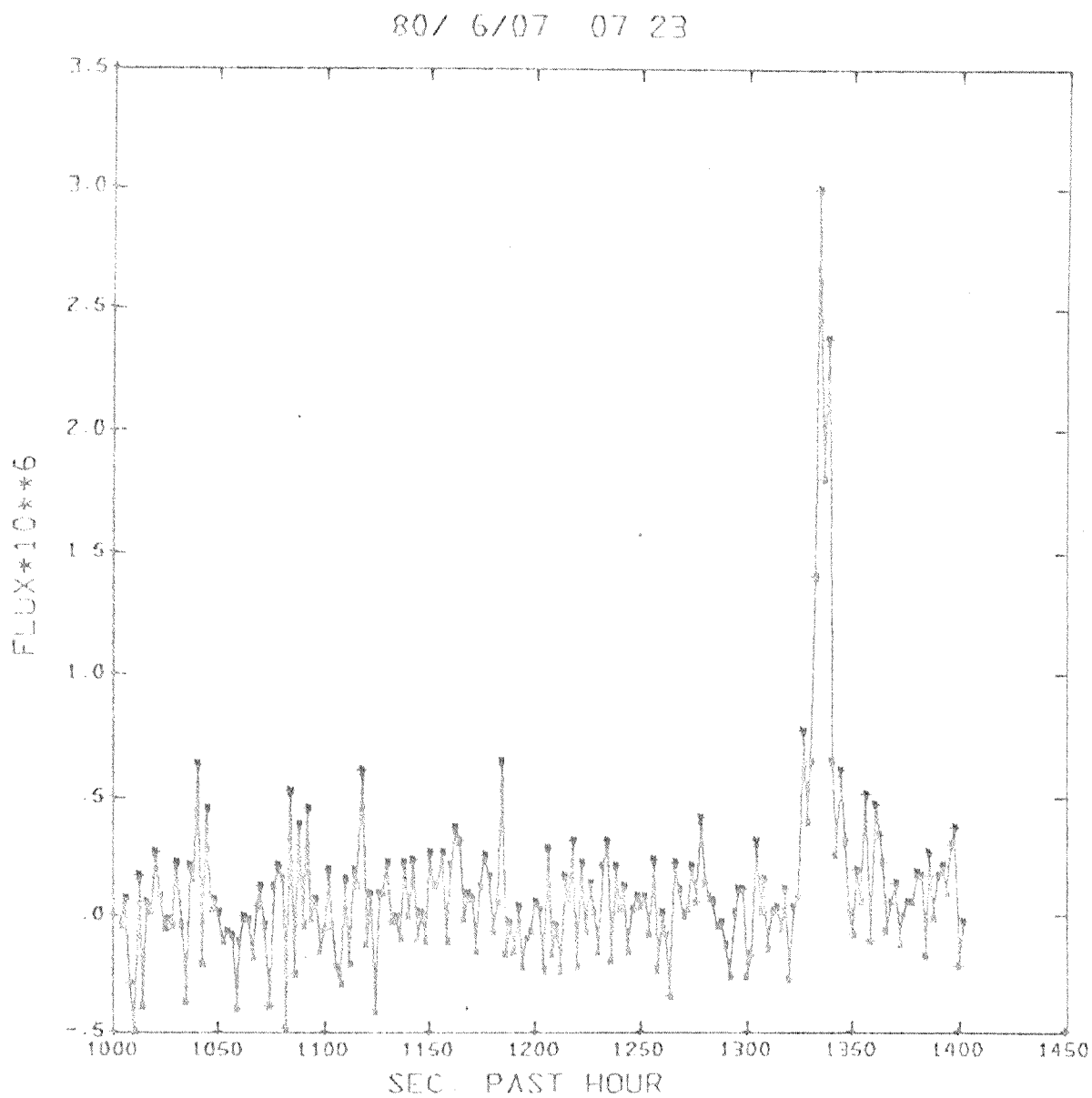

80/ 6/29 02 32
FLUX*10**6
2.0
1.5
1.0
.5
.0
-.5
-1.0
-1.5
-2.0
1834
1836
1838
1840
1842
1844
1846
1848
1850
1852
1854
1856
1858
1860
SEC. PAST HOUR

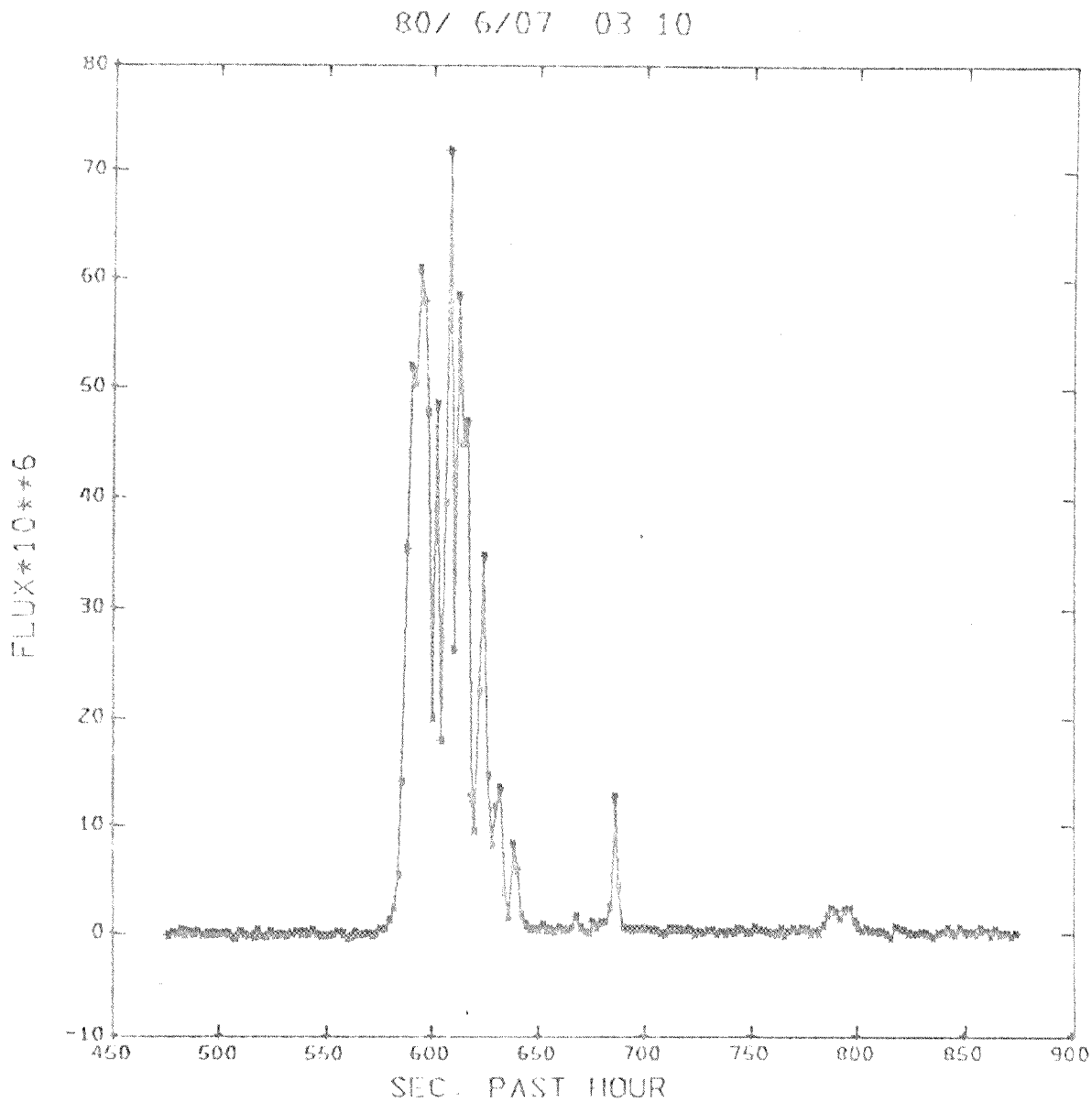

80/ 6/21 23 52
FLUX*10**6
3
2
1
0
-1
-2
-3
3010 3012 3014 3016 3018 3020 3022 3024 3026 3028 3030 3032 3034 3036
SEC. PAST HOUR

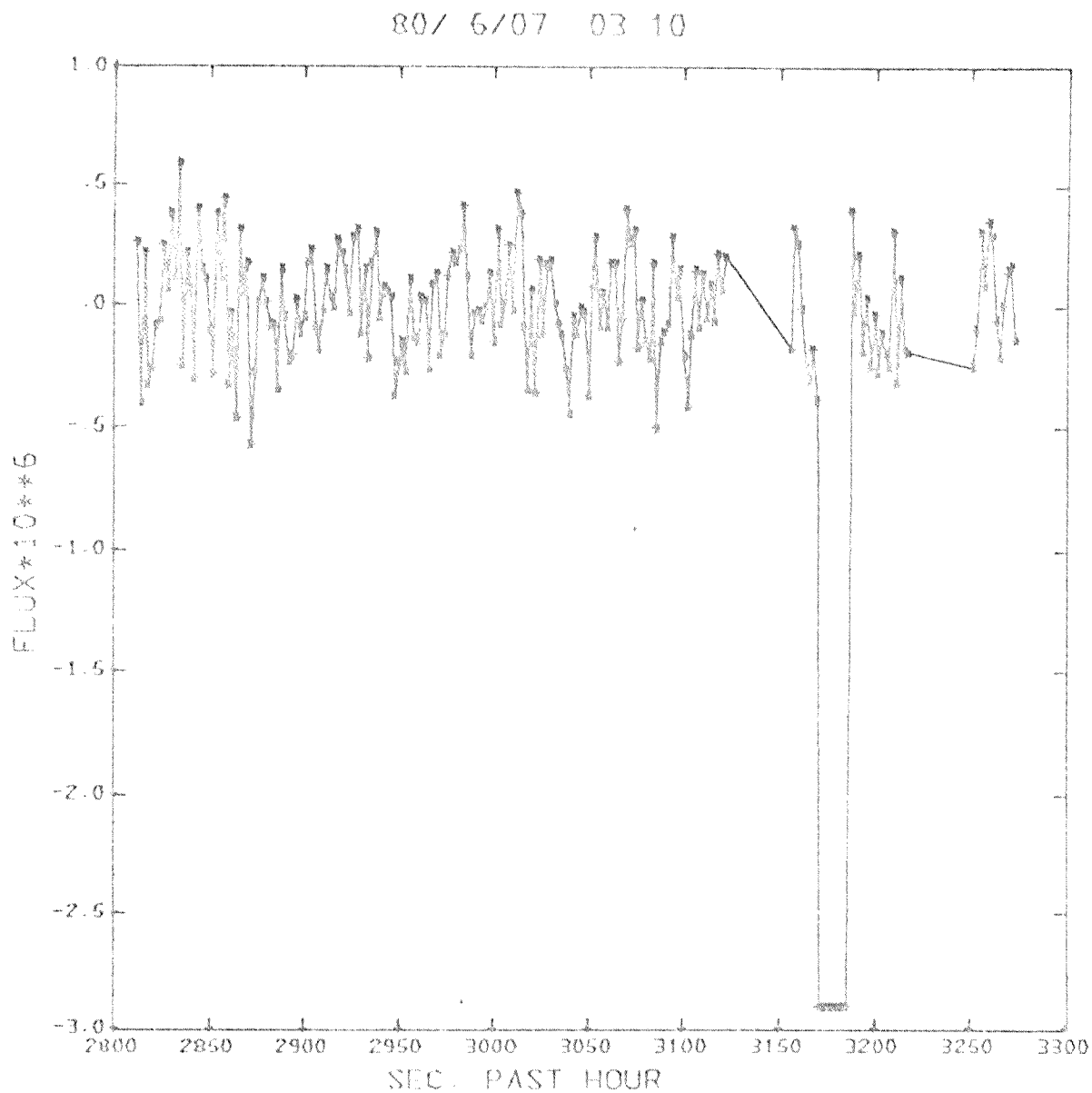

80/ 6/21 20 29
FLUX*10**5
3.5
3.0
2.5
2.0
1.5
1.0
.5
.0
-.5
-1.0
-1.5
-2.0
1674 1676 1678 1680 1682 1684 1686 1688 1690 1692 1694 1696 1698 1700 1702
SEC. PAST HOUR

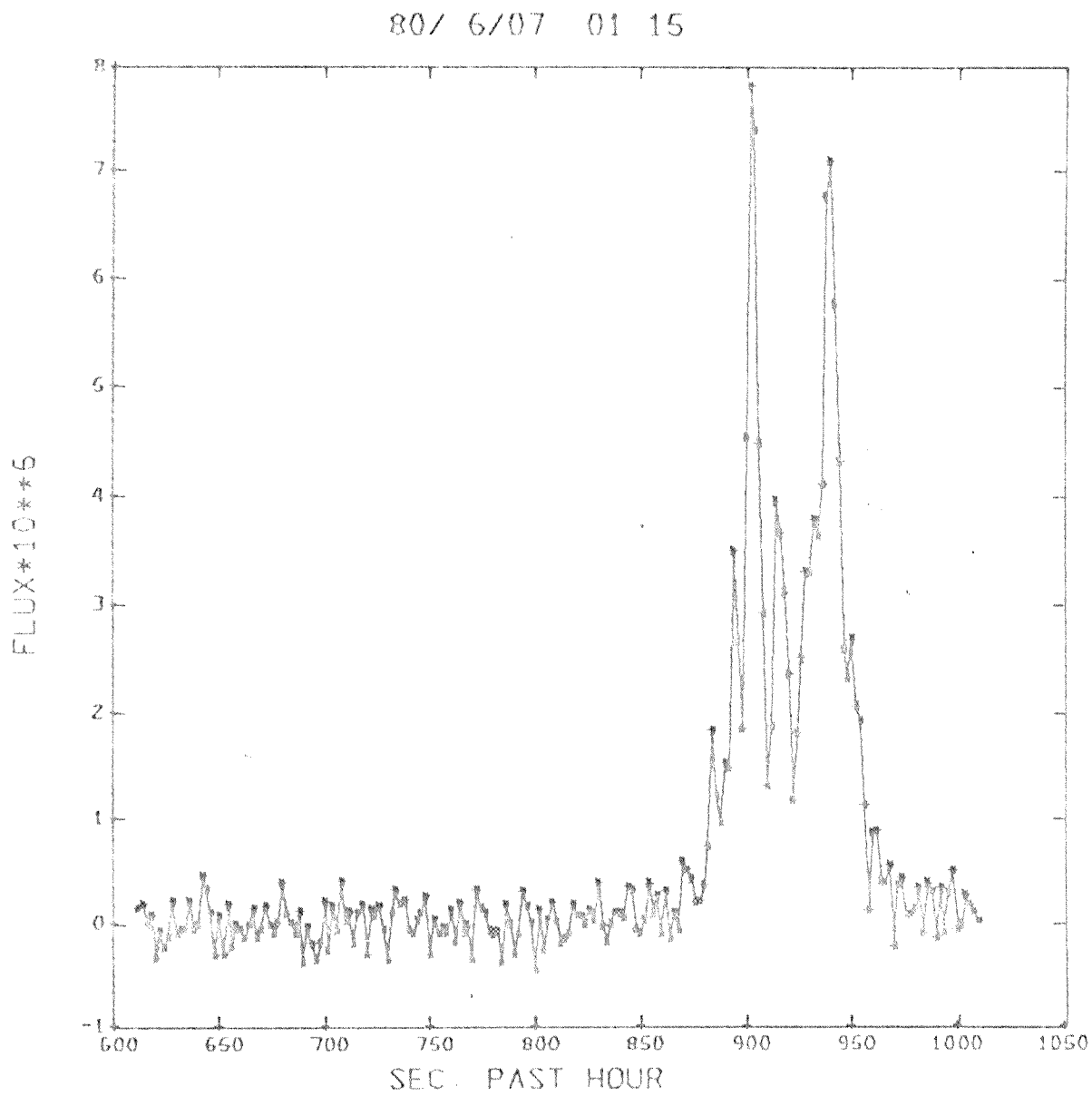

80/ 6/21 20 29
FLUX*10**5
4
3
2
1
0
-1
-2
-3
1650 1652 1654 1656 1658 1660 1662 1664 1666 1668 1670 1672 1674 1676
SEC. PAST HOUR


80/ 6/21 01 14
FLUX*10**6
60
50
40
30
20
10
0
-10
850
900
950
1000
1050
1100
1150
1200
1250
1300
SEC. PAST HOUR


80/ 6/07 07 23
FLUX*10**6
3.5
3.0
2.5
2.0
1.5
1.0
.5
.0
-.5
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
SEC. PAST HOUR


80/ 6/07 03 10
FLUX*10**6
80
70
60
50
40
30
20
10
0
-10
450
500
550
600
650
700
750
800
850
900
SEC. PAST HOUR


80/ 6/07 03 10
FLUX*10**6
1.0
.5
.0
-.5
-1.0
-1.5
-2.0
-2.5
-3.0
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250
3300
SEC. PAST HOUR


80/ 6/07 01 15
FLUX*10**6
8
7
6
5
4
3
2
1
0
-1
600
650
700
750
800
850
900
950
1000
1050
SEC. PAST HOUR

DUMP OF TAPE X406

INPUT TAPE X406 ON MT1
DATA INPUT 09 NF 10 FL 1 1 0 SR 10 1 1

HIS TAPE CONTAINS PIONEER VENUS OGBD FLUX-

FILE	1 RECORD	LENGTH	2000BYTES					
(0)	555555555524	101123552401	200555031716	241011112355	201117160505	225526051625	235517070124	551614253146
(48)	241245551104	524145551116	552414155555	101524735155	115524455555	555522260101	145514333463	553373555315
(96)	265506172255	231714012255	061401220523	551024732522	221116075534	444335503341	503342565534	443335503341
(144)	503334565534	101455555555	555555553444	433503341550	554457555524	100523555501	220555525605	101245504124
(192)	015523201115	101116765517	161431550325	223205152414	315511405115	241176115504	552252332017	162356355555
(240)	171655241005	235555400131	235755550541	031551110405	152411061105	045522523220	171623555511	235521225523
(288)	051424105555	012355111855	111624112611	042514145505	141405575555	555524100555	031715201723	101241171655
(336)	171655241005	551611145523	551123551025	551611414117	172300555555	555555555555	555555555555	555555555555
(384)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(432)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(480)	555555555522	150317224455	345555110455	465537552117	224455220563	172204555101	142010011625	150327110352
(528)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	271024045534
(576)	554655041124	055511165524	100555161722	155531225015	175004015555	555555555555	555555555555	555555555555
(624)	555555555555	555555555555	555555555555	555555555555	555527172204	553555465525	245511165524	100555061722
(672)	155510221015	111655555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(720)	555555555555	555555552710	224455355546	550201313107	221725160455	031725160241	167552201124	555555555555
(768)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	271024045534
(816)	554655761425	355503171626	052251110116	550601032417	125655055226	552205255013	165552201622	550307251627
(864)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(912)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(960)	555555555522	550307224455	355524115221	551105555551	112405552505	245546554010	035501072204	551250102
(1008)	043555105555	055035551014	070471116027	552301111627	525555555555	555555555555	555555555555	510255115527
(1056)	345524112225	553103551013	345532555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1104)	555555555555	555555555555	555555555555	555555555555	555527172204	511115254655	255745511155	535310160
(1152)	535504145524	110555534040	224455101655	241105550401	241155530416	201405555555	555555555555	555555555555
(1200)	555555555555	555555553107	224950114534	525546551105	245576142535	551116071103	412415045555	555555555555
(1248)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1296)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1344)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1392)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1440)	161724050055	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1488)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	552410223305	554012415155
(1536)	012205552027	051411151116	031722220503	241117162355	062217155516	171511161114	553011411102	
(1584)	241241107116	551116045555	555555555507	224205324111	171655161732	553301111646	224124155513	071251415124
(1632)	121165510716	552311071101	142355062217	155523172522	030523551431	111607551116	552410055505	031411202411
(1680)	201401160555	100126055516	172455310524	550205051655	031715201405	240504575555	061725225523	200503242201
(1728)	145523250204	112611231117	162355170655	241005230555	040124015501	220501260111	140102140555	022524551001
(1776)	260555161724	550205051655	111603142504	050455111655	241005230555	040124015523	052423552005	160411160755
(1824)	062514145501	160114312311	235517062410	055511162324	222515051624	550301141102	220124111716	575555555555
(1872)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1920)	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555	555555555555
(1968)	555555555555	555555555555	555555555555	555555555555	555555555555	5555		

ACCURATE STATION NICKNAMES CORRECTIONS FROM ONTWAYNE DATA BASE

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	1	1	1500	0	0	0	0	0	0

FILE 1	RECORD	LENGTH	40BYTES					
(0)	433350554150	354455553443	003535555555	555555555555	343540573533	555557353433	054633 42	

125.20 .280 E-07

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	22	22	3000	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 04/14/81 10:56:04 STOP TIME 04/14/81 10:56:40