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NO. 491 JULY 1985

Part II (Comprehensive Reports)

Michael A. Chinnery, Director
NATIONAL GEOPHYSICAL DATA CENTER
BOULDER, COLORADO

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4	Jan 59 - Dec 59	Microfilm	12	Oct 66 - Dec 66	Microfilm	20	Jan 71 - Jun 71	Microfilm
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6	Jan 61 - Dec 61	Microfilm	14	Jan 68 - Jun 68	Microfilm	22	Jan 72 - Jun 72	Microfilm
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S O L A R - G E O P H Y S I C A L D A T A

NUMBER 491

(Issued in Two Parts)

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C O N T E N T S

PART I (PROMPT REPORTS)

DETAILED INDEX FOR 1984-1985.	Page 2
DATA FOR JUNE 1985.	3- 21
DATA FOR MAY 1985	23 -82
LATE DATA	83-103
Cosmic Rays Huancayo Dec 1984; Thule Mar-Apr 1985	
Calcium Plage Data	
Plage Regions Dec 1982	
Daily Maps/Active Region Summary Mar-Apr 1984	

PART II (COMPREHENSIVE REPORTS)

DETAILED INDEX FOR 1984-1985	Page 2
DATA FOR JANUARY 1985.	3- 24
SOLAR FLARE DATA JUN-JUL 1983 (Preliminary).	25- 78
MISCELLANEOUS DATA	
IMP 8 Interplanetary Particles Apr-Dec 1983	79-115

DETAILED INDEX OF OBSERVATIONS PUBLISHED IN "SOLAR-GEOPHYSICAL DATA"

CODE	KIND OF OBSERVATION	NOV	DEC	JAN 85	FEB	MAR	APR	MAY	JUN
A.	SOLAR AND INTERPLANETARY PHENOMENA								
A.1	Sunspot Drawings	485A 28	486A 30	487A 30	488A 31	489A 30	490A 34	491A 28	
A.2aa	Internat. Provisional Sunspot Numbers	484A 7	485A 7	486A 7	487A 7	488A 7	489A 7	490A 7	491A 7
A.2c	American Sunspot Numbers	484A 7	485A 7	486A 7	487A 7	488A 7		490A 7	491A 7
A.3a	Mt. Wilson Magnetograms	485A 28	486A 30	487A 30	488A 31	489A 30	490A 34	491A 28	
A.3b	Mt. Wilson Sunspot Magnetic Class	485A 58	486A 61	487A 61	488A 59	489A 61	490A 64	491A 59	
A.3c	Kitt Peak Magnetograms	485A 28	486A 30	487A 30	488A 31	489A 30	490A 34	491A 28	
A.3d	Mean Solar Magnetic Field (Stanford)	484A 24	485A 22	486A 24	487A 24	488A 20	489A 23	490A 23	491A 20
A.3e	Stanford Magnetograms	485A 28	486A 30	487A 30	487A 31	489A 30	490A 34	491A 28	
A.4	H-alpha Filtergrams	485A 28	486A 30	487A 30	487A 31	489A 30	490A 34	491A 28	
A.5	Calcium Plage Photographs/Drawings	Jun-Aug 83 in 485A101; Sep-Nov 83 in 489A 84; Dec 83-Feb 84 in 490A 91							
A.5a	Calcium Plage and Sunspot Regions	Oct 82 in 489A 94; Nov 82 in 490A101; Dec 82 in 491A 88							
A.5b	Daily Calcium Plage Indices	Jun-Aug 83 in 485A113							
A.6	H-alpha Synoptic Charts	485A 24	486A 26	488A 26	488A 27	489A 26	490A 26	491A 26	
A.6b	Active Region Carte Synoptique (Paris)	489B 4	490B 4	491B 4					
A.6c	Stanford Solar Mag Field Synoptic Maps	485A 25	486A 27	487A 27	488A 28	489A 27	490A 28	491A 25	
A.6d	Kitt Peak Solar Mag Field Synoptic Maps	485A 26	486A 28	487A 28	488A 29	489A 28	490A 30	491A 26	
A.6e	Mass Ejections from the Sun	489B 21	490B 14	491B 22					
A.6f	Active Prominences and Filaments	489B 22	490B 15	491B 23					
A.7g	Kitt Peak Helium Synoptic Maps	485A 27	486A 29	487A 29	488A 30	489A 29	490A 32	491A 27	
A.7h	Coronal Line Emission (Sacramento Peak)	485A 28	486A 30	487A 30	488A 31	489A 30	490A 34	491A 28	
A.8aa	2800 MHz - Solar Flux (Ottawa)	484A 7	485A 7	486A 7	487A 7	488A 7	489A 7	490A 7	491A 7
A.8ac	2800 MHz - Adj. Solar Flux (Ottawa)	484A 7	485A 7	486A 7	487A 7	488A 7	489A 7	490A 7	491A 7
A.8g	Adjusted Daily Solar Fluxes (Sagamore)	484A 7	485A 7	486A 7	487A 7	488A 7	489A 7	490A 7	491A 7
A.10a	Interferometric Chart -169 MHz- Nancay	484A 15	486A 84	486A 15	487A 14	488A 14	489A 16	490A 15	491A 14
A.10c	East-West Scans - 21 cm - Fleurs	484A 18	485A 16	486A 18	487A 17	488A 17	489A 19	490A 18	491A 17
A.10d	East-West Scans - 43 cm - Fleurs	484A 19	485A 17	486A 18	487A 18	488A 18	489A 20	490A 19	491A 18
A.10e	East-West Scans - 10 cm - Ottawa	484A 17	485A 15	486A 17	487A 16	488A 16	489A 18	490A 17	491A 16
A.10f	East-West Scans - 3 cm - Toyokawa	484A 16	486A 85	486A 16	487A 15	488A 15	489A 17	490A 16	491A 15
A.11g	Solar X-ray GOES (graphs/event table)	489B 16	490B 8	491B 15					
A.12e	Solar Particles (IMP H & J)	Jan-Mar 83 in 478B 28; Apr-Dec 83 in 491B 80							
A.13d	Solar Wind from IP Scintillations	486A 90	486A 92						
A.13e	Solar Plasma (IMP H & J)								
A.13f	Solar Wind (Pioneer 12)	Aug 83-Jan 84 in 487A 82							
A.16a	SMM Solar Irradiance	489B 24	490B 18						
A.16b	NIMBUS Solar Irradiance	Nov 78-Mar 84 data in 485B 70							
A.17	Interplanetary Mag Field (Pioneer 12)	486A 88	488A 80						
A.17c	Inferred Interplanetary Magnetic Field	484A 22	485A 19	486A 21	487A 21	488A 21			
B.	IONOSPHERIC RADIO PROPAGATION PHENOMENA								
B.52	Field Strength Graphs - North Atlantic	485A 80	486A 80	487A 78	488A 76	489A 76	490A 82	491A 80	
B.53	Quality Indices on Paths to Germany	485A 79	486A 79	487A 80	488A 75	489A 78	490A 84	491A 82	
C.	SOLAR FLARE-ASSOCIATED EVENTS								
C.1a	H-alpha Flares	484A 12	485A 12	486A 12	487A 13	488A 12	489A 12	490A 12	491A 12
C.1ba	H-alpha Flare Groups	1983	Jan-Feb 83 in 489B 25; Mar-May 83 in 490B 19; Jun-Jul 83 in 491B 26						
C.1d	Flare Patrol Observations	484A 14	485A 14	486A 12	487A 14	488A 13	---	490A 14	491A 13
C.1d	Flare Patrol Observations	1983	Jan-Feb 83 in 489B 25; Mar-May 83 in 490B 19; Jun-Jul 83 in 491B 26						
C.1e	Flare Indices (by day)								
C.3	Radio Bursts Fixed Freq.	489B 6	490B 6	491B 6					
C.3	Radio Bursts Fixed Freq. Selected	484A 20	485A 18	486A 19	487A 19	488A 18	489A 21	490A 20	491A 19
C.4d	Radio Bursts Spectral (Culgoora)	485A 65	486A 66						
C.4e	Radio Bursts Spectral (Weissenau)	485A 65	486A 66	487A 67	488A 63	489A 66	490A 69	491A 65	
C.4f	Radio Bursts Spectral (Sagamore Hill)	485A 65	486A 66	487A 67	488A 63	489A 66	490A 69	491A 65	
C.4i	Radio Bursts Spectral (Bielefeld)	485A 65	486A 66	487A 67	488A 63	489A 66	490A 69	491A 65	
C.4k	Radio Bursts Spectral (Learmonth)	485A 65	486A 66	487A 67	488A 63	489A 66	490A 69	491A 65	
C.4l	Radio Bursts Spectral (Pelehua)	485A 65	486A 66	487A 67	488A 63	489A 66	490A 69	491A 65	
C.6	Sudden Ionospheric Disturbances	485A 63	486A 65	487A 65	488A 62	489A 65	490A 67	491A 64	
D.	GEOMAGNETIC & MAGNETOSPHERIC PHENOMENA								
D.1a	Geomagnetic Indices	485A 74	486A 74	487A 73	488A 69	489A 71	490A 76	491A 74	
D.1ba	27-day Chart of Kp Indices	485A 76	486A 76	487A 75	488A 71	489A 73	490A 78	491A 76	
D.1c	27-day Chart of C _g	488A 72	488A 72						
D.1d	Principal Magnetic Storms	485A 78	486A 78	487A 77	488A 74	489A 75	490A 80	491A 78	
D.1f	Sudden Commencement/Solar Flare Effects	486A 89	487A 88	488A 81	489A 80	490A 86	490A 81	491A 79	
D.1g	Equatorial Indices Dst	485A 77	486A 77	487A 76	488A 73	489A 74	490A 79	491A 77	
F.	COSMIC RAYS								
F.1a	Cosmic Ray Neutron Counts (Deep River)	485A 73							
F.1b	Cosmic Ray Neutron Counts (Climax)	486A 98	486A 73	489A 81	489A 82	490A 89	490A 75	491A 73	
F.1e	Cosmic Ray Neutron Counts (Alert)	485A 73							
F.1h	Cosmic Ray Neutron Counts (Thule)	485A 73	486A 73	487A 72	488A 65	491A 85	491A 86	491A 73	
F.1i	Cosmic Ray Neutron Counts (Kiel)	485A 73	486A 73	487A 72	488A 65	489A 67	490A 75	491A 73	
F.1j	Cosmic Ray Neutron Counts (Tokyo)	485A 73	486A 73	487A 72	488A 65	489A 67	490A 75	491A 73	
F.1l	Cosmic Ray Neutron Counts (Huancayo)	486A 98		490A 87	490A 88	491A 85			
F.1m	Cosmic Ray Neutron Counts (Predigtstuhl)	485A 73	486A 73	487A 72	488A 65	489A 67	490A 75	491A 73	
H.	MISCELLANEOUS								
H.60	IUWDS Alert Periods	484A 4	485A 4	486A 4	487A 4	488A 4	489A 4	490A 4	491A 4

The entry "485A 28" under Nov 1984, for example, means that the sunspot drawings for Nov 1984 appear in SOLAR-GEOPHYSICAL DATA No. 485, Part I, and that they begin on page 28. "A" denotes Part I and "B", Part II. Blanks indicate data not yet received and dashes mark unavailable data.

CONTENTS

Comprehensive Reports

DATA FOR JANUARY 1985

Number 491 Part II

MEUDON CARTE SYNOPTIQUE	Page
Active Regions and Filaments	4
Synoptic Solar Maps.	5
SOLAR FLARES	
H-alpha Solar Flare Groups	
Daily Flare Indices	
Intervals of No Flare Patrol Observation (Unavailable at time of publication)	
SOLAR RADIO BURSTS AT FIXED FREQUENCIES	6- 14
INTERPLANETARY SOLAR PARTICLES AND PLASMA	
(Data unavailable at time of publication.)	
SOLAR X-RAY RADIATION FROM GOES SATELLITE Graphs	15-20
Event List	21
MASS EJECTIONS FROM THE SUN	22
ACTIVE PROMINENCES AND FILAMENTS	23-24
SOLAR IRRADIANCE	
SMM ACRIM (not available at time of publication)	

4
Jan 85

C A R T E S Y N O P T I Q U E

A C T I V E R E G I O N S
CARRINGTON ROTATION 1757

(28 December 1984 to 24 January 1985)

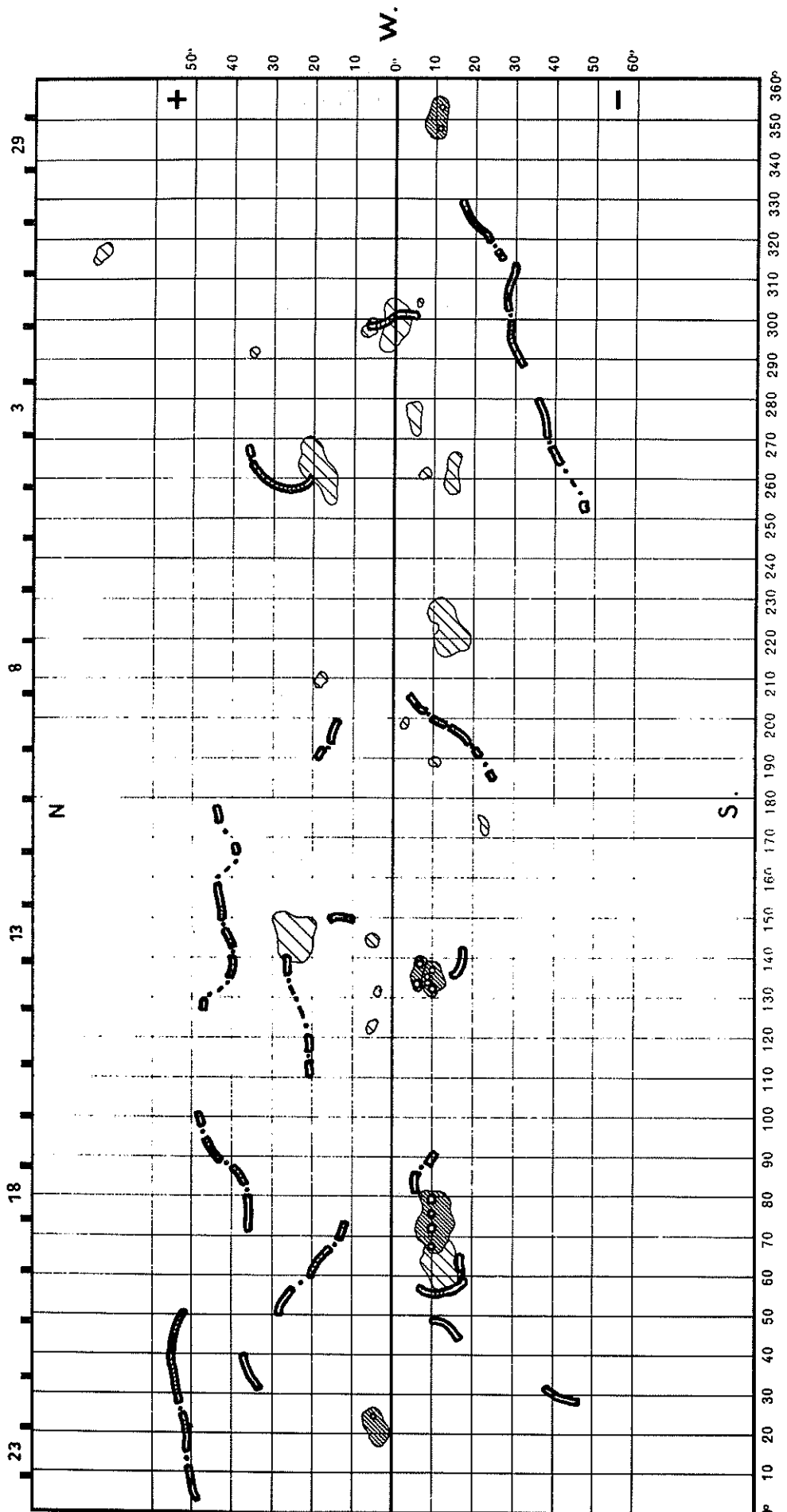
Region No.	Coordinates		Imp	Age at CMP (Days)		Spotless Region	Region No. in Rotation 1756	Activity at West Limb
	Lat.	Long.						
1	10°S	351	2	+6				decreasing
2	19°N	262	1	>6	x			dispersed
3	7°S	261	1	>6	x			disappeared
4	14°S	261	1	>6	x			disappeared
5	13°S	223	1	>6	x			disappeared
6	19°N	209	1	-1	x			disappeared
7	6°N	144	1	+5	x			disappeared
8	6°S	136	3	+2				stable
9	10°S	135	3	+1				stable
10	10°S	74	4	0				stable
11	12°S	64	1	>6	x			dispersed
12	4°N	22	2	+2				decreasing

CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1757
(December 28, 1984 to January 24, 1985)

Meudon Observatory

December 1984



Heliographic Longitude

6
Jan 85

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
01	260	ONDR	40 F	1259.0	1306.0	7.5	3.0			
02	200 HIRA			0000.0	0048.3		860.0			ML
	2950 GORK	20 GRF		0731.2	0732.6	31.0	1.0			
04	808 ONDR	8 S		0908.0	0908.0	.2				
	536 ONDR	8 S		1150.5	1151.0	1.0	4.0			
07	9400 HUAN	20 GRF		1809.5	1816.8	16.1	3.9	2.3		0
10	9400 HUAN	1 S		2003.2	2004.0	1.7	5.1	2.6		0
11	810 KRAK	8 S		1112.5	1112.5	.2	5.0			
	536 ONDR	8 S		1114.0	1114.0	.1	4.0			
12	536 ONDR	40 F		1041.8	1043.0	2.0	17.0			
	260 ONDR	8 S		1043.0	1043.0	.5	7.0			
13	200 HIRA	44 NS		2150.0E	0434.0	580.0D	6.0	2.0		WR
	260 ONDR	8 S		1100.8	1100.8	.2	4.0			
	260 ONDR	40 F		1254.0	1255.0	1.5	2.0			
	2800 OTTA	22 GRF		1833.0	1837.0	37.0	1.6	.8		
14	208 VORO	44 NS		0000.0E		240.0D		10.0		
	260 ONDR	44 NS		0838.0E		317.0D	8.0			
	3750 TYKW	20 GRF		0030.0	0043.0	45.0	1.5	.7		
	9400 TYKW	20 GRF		0030.0	0043.0	40.0	2.0	1.0		
	2930 VORO	42 SER		0230.0	0238.0	20.0	392.0D			
	3750 TYKW	20 GRF		0325.0	0341.0	40.0	1.0	.5		
	3750 TYKW	5 S		0417.0	0417.3	4.0	1.0	.3		
	3750 TYKW	20 GRF		0440.0	0453.0	40.0	1.5	.7		
	2800 OTTA	1 S		1602.2	1603.0	5.0	8.4	2.1		
15	3750 TYKW	5 S		0127.0	0129.0	12.0	1.5	.5		
	100 HIRA	46 C		0511.8	0513.0	3.2	39.0	12.0		MR
	3100 CRIM	24 R		0630.0U	0900.0		5.0			
	430 KRAK	42 SER		0928.0	0933.5	13.5	6.0			
	430 KRAK			0928.0	0935.5		8.0			
	237 TRST	3 S		0953.1	0953.2	.2	52.0			5L
	327 TRST	46 C		0959.3	0959.3	.3	76.0			7L
	237 TRST	45 C		0959.3	0959.3	.3	34.0			7L
	430 KRAK	2 S/F		1001.5	1002.2	1.5	6.0	2.0		
	810 KRAK	8 S		1003.2	1003.5	.4	5.0			
	430 KRAK	4 S/F		1010.5	1013.5	3.5	10.0	3.0		
	430 KRAK	8 S		1029.5	1029.8	.5	11.0			
	2800 OTTA	21 GRF		1910.0	1935.0	105.0	3.8	2.0		
	2800 OTTA	46F C		1911.8	1914.3	9.0	38.0	9.2		
	1415 SGMR	47 GB		1912.0	1913.5	3.3	61.0			QL=6 ST=2 TYP=5
	2695 SGMR	4 S/F		1912.1	1914.5	3.4	46.0			QL=6 ST=2 TYP=3
	15400 PALE	47 GB		1912.3	1912.5	3.0	94.0			QL=6 ST=2 TYP=5
	15400 SGMR	47 GB		1912.5	1914.3	3.5	64.0			QL=6 ST=3 TYP=5
	8800 SGMR	47 GB		1912.3	1914.3	3.8	79.0			QL=6 ST=2 TYP=5
	8800 PALE	47 GB		1912.3	1914.3	3.8	81.0			QL=6 ST=2 TYP=5
	1415 PALE	47 GB		1913.3	1913.5	.5	80.0			QL=6 ST=2 TYP=5
	2800 OTTA	2 S/F		1934.0	1937.0	10.0	5.2	2.4		
	1415 SGMR	47 GB		1934.0	1935.3	4.6	58.0			QL=6 ST=3 TYP=5
	2695 SGMR	4 S/F		1934.5	1936.6	2.3	13.0			QL=6 ST=3 TYP=3
	2800 OTTA	1 S		1947.0	1949.0	8.0	1.0	.5		
	410 PALE	4 S/F		1947.1	1948.0	3.0	29.0			QL=6 ST=2 TYP=3
	245 PALE	8 S		1947.6	1947.8	1.2	19.0			QL=6 ST=2 TYP=3
	410 PALE	8 S		1957.0	1957.1	.3	13.0			QL=6 ST=2 TYP=3
	200 HIRA	24 R		2147.0E	2350.0	600.0D	12.0	9.0		0
16	260 ONDR	44 NS		0825.0E	0855.0	324.0D	25.0			
	200 HIRA	44 NS		2148.0E	0450.0	600.0D	7.0	4.0		MR
	3750 TYKW	20 GRF		0045.0	0100.0	35.0	1.0	.5		
	204 IZMI	41 F		0854.2	0854.8	1.0	94.0	45.0		
	2800 OTTA	22 GRF		1710.0	1925.0	155.0	2.0	1.0		
17	208 VORO	44 NS		0000.0E		240.0D		12.0		
	245 LEAR	43 NS		0424.0	1007.1	392.0D	19.0			QL=6 ST=2 TYP=1

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

7
Jan 85

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)	Int	Remarks
17	200	GORK	44 NS	0627.0E		336.0D		5.0		
	260	ONDR	44 NS	0820.0E		333.0D	55.0			
	245	LEAR	43 NS	2213.0	0034.5	763.0D	15.0			QL=6 ST=2 TYP=1
	100	HIRA	42 SER	0320.6	0321.5	4.3	900.0			MR
	100	HIRA		0320.6	0323.8		510.0			WR
	200	HIRA	46 C	0322.3	0323.7	2.5	35.0	7.0		WR
	500	HIRA	7 C	0323.4	0324.6	1.6	6.0	2.0		WR
	3750	TYKW	20 GRF	0523.0	0538.0	45.0	1.5	.7		
	410	LEAR	8 S	0555.6	0555.6	.2	22.0			QL=6 ST=2 TYP=3
	204	IZMI	5 S	0858.0	0900.2	3.5	108.0	55.0		
	245	LEAR	47 GB	0900.0	0900.1	.5	76.0			QL=6 ST=2 TYP=5
	237	TRST	3 S	1000.8	1000.9	.2	210.0			1L
	237	TRST	45 C	1002.0	1002.0	.3	47.0			9R
	237	TRST	46 C	1040.7	1041.3	.8	70.0			10R
	237	TRST	46 C	1043.1	1043.2	.2	117.0			1R
	327	TRST	46 C	1444.5	1444.8	.9	84.0			5R
	237	TRST	46 C	1444.5	1444.8	.9	91.0			6R
	408	TRST	45 C	1444.5	1445.0	.9	65.0			11R
	2800	OTTA	1 S	1444.8	1445.0	1.0	2.2	1.0		
18	260	ONDR	44 NS	0820.0E	1231.0	333.0D	5.0			
	245	LEAR	43 NS	2213.0	0411.1	762.0D	25.0			QL=6 ST=2 TYP=1
	245	LEAR	8 S	0654.6	0654.8	.2	11.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0654.6	0654.8	.2	6.0			QL=6 ST=2 TYP=3
	2950	GORK	20 GRF	0814.4	0830.0	33.5	0.7			
	810	KRAK	8 S	0926.5	0926.5	.2	4.0			
19	260	ONDR	44 NS	0754.0E	1352.0U	377.0D	6.0			
	245	PALE	44 NS	1730.0E	1935.0		119.0			QL=6 ST=1 TYP=1
	245	LEAR	43 NS	2214.0	0003.6	761.0D	180.0			QL=6 ST=2 TYP=1
	410	LEAR	43 NS	2214.0	0022.5	761.0D	39.0			QL=6 ST=2 TYP=1
	610	LEAR	43 NS	2214.0	0111.6	761.0D	25.0			QL=6 ST=2 TYP=1
	9400	TYKW	5 S	0453.4	0453.7	1.0	3.0	1.0		
	3750	TYKW	5 S	0453.4	0453.7	1.0	1.0	.3		
	3750	TYKW	5 S	0701.5	0702.3	2.5	2.0	.7		
	4995	LEAR	8 S	0701.6	0702.1	2.0	6.0			QL=6 ST=2 TYP=3
	9300	KISV	1 S	0701.8	0702.3	1.5	5.0			
	8800	LEAR	8 S	0702.0	0702.1	.8	6.0			QL=6 ST=2 TYP=3
	33	UPIC	1 S	1014.0	1014.1	.4				
	29	UPIC	1 S	1014.0	1014.1	.5				
	29	UPIC	4 S/F	1126.2	1126.4	.4				
	33	UPIC	4 S/F	1126.3	1126.4	.3				
20	208	VORO	44 NS	0000.0E		240.0D		36.0		
	200	HIRA	44 NS	0013.0E	0047.0	470.0D	40.0	15.0		MR
	200	GORK	44 NS	0628.0E		272.0D		5.0		
	204	IZMI	43 NS	0700.0		120.0	15.0			
	536	ONDR	44 NS	0748.0E	1401.0	399.0D	29.0			
	430	KRAK	44 NS	0800.0E	1355.0U	360.0D	30.0			
	260	ONDR	44 NS	0849.0E	0850.0U	338.0D	13.0			
	127	TORN	43 NS	1103.0	1121.3	207.0	80.0	1.0		V=1
	245	PALE	43 NS	2112.0	0302.1	406.0D	260.0			QL=6 ST=2 TYP=1
	410	PALE	43 NS	2112.0	2130.3	406.0D	180.0			QL=6 ST=2 TYP=1
	200	HIRA	44 NS	2146.0E	0350.0	600.0D	90.0			MR
	100	HIRA	44 NS	2146.0E	2209.0U	90.0D	110.0U	40.0U		WR SUNRISE
	410	LEAR	43 NS	2215.0	0330.3	760.0D	100.0			QL=6 ST=2 TYP=1
	610	LEAR	43 NS	2215.0	0330.8	760.0D	25.0			QL=6 ST=2 TYP=1
	245	LEAR	43 NS	2215.0	0535.1	760.0D	260.0			QL=6 ST=2 TYP=1
	610	LEAR	43 NS	2215.0	2233.1	65.0	8.0			QL=6 ST=2 TYP=1
	245	PALE	47 GB	0028.0	0028.1	1.6	52.0			QL=6 ST=3 TYP=5
	610	PALE	8 S	0041.8	0042.0	.3	11.0			QL=6 ST=2 TYP=3
	245	PALE	8 S	0041.8	0043.5	1.8	33.0			QL=6 ST=2 TYP=3
	410	PALE	8 S	0043.0	0043.1	.3	19.0			QL=6 ST=2 TYP=3
	9400	TYKW	20 GRF	0230.0	0245.0	80.0	4.0	2.0		
	2000	TYKW	21 GRF	0230.0	0245.0	80.0	1.5	.7		
	3750	TYKW	20 GRF	0230.0	0250.0U	60.0U	2.0	1.0U		INTERFERENCE
	2000	TYKW	45 C	0231.5	0232.5	2.0	3.0	1.0		
	9100	GORK	20 GRF	0613.8	1200.0	360.0	18.0			
	650	GORK	20 GRF	0630.0E	0830.2	224.0D	7.0			
	2950	GORK	21 GRF	0631.2U	1033.0	360.0D				
	2695	LEAR	4 S/F	0909.1	0910.1	2.7	8.0			QL=6 ST=2 TYP=3

8
Jan 85

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
20	2950	GORK	3 S	0909.4	0910.1	3.7	4.7	2.0		
	3000	IZMI	5 S	1142.0	1143.0	2.0	7.0	3.0		
	9400	HUAN	1 S	1254.0	1255.0	3.7	10.9	5.8		1
	3100	BERN	1 S	1254.00	1255.50	8.00	10.0			ONLY PAPER REC
	8400	BERN	3 S	1254.00	1255.50	8.00	25.0			ONLY PAPER REC
	2800	OTTA	21 GRF	1330.0	1625.0	330.00	6.6			
	9400	HUAN	20 GRF	1331.7	1342.0	33.2	5.4	3.5		0
	2800	OTTA	8 S	1354.2	1354.5	.4	4.8			
	9400	HUAN	20 GRF	1425.0	1438.0	23.2	2.7	1.7		0
	9400	HUAN	1 S	1522.3	1524.3	3.1	4.1	1.6		0
	9400	HUAN	2 S/F	1654.5	1657.0	4.2	8.2	3.9		0
	9400	HUAN	20 GRF	1754.4	1825.4	53.6	6.8	3.1		0
	2800	OTTA	8 S	1824.4	1824.7	.5	2.2	1.1		
	2800	OTTA	240 R	1910.0	1930.0	20.0	2.6	1.3		
	2800	OTTA	21 GRF	2035.0		140.00	21.0			
	9400	HUAN	21 GRF	2037.8	2057.0	62.4	24.5	11.6		1
	2800	OTTA	4 S/F	2044.0	2046.0	9.0	102.0	16.6		
	8800	SGMR	47 GB	2044.5	2047.1	2.6	160.0			QL=4 ST=3 TYP=5
	8800	PALE	47 GB	2044.6	2045.6	17.2	250.0			QL=6 ST=2 TYP=5
	9400	HUAN	45 C	2044.6	2045.8	8.9	227.8	73.8		1
	1415	PALE	47 GB	2044.8	2045.3	8.0	180.0			QL=6 ST=2 TYP=5
	4995	PALE	47 GB	2044.8	2045.6	8.0	73.0			QL=6 ST=2 TYP=5
	15400	PALE	47 GB	2044.8	2046.0	13.3	400.0			QL=6 ST=2 TYP=5
	2695	PALE	47 GB	2044.8	2046.0	7.8	94.0			QL=6 ST=2 TYP=5
	2695	SGMR	47 GB	2045.1	2045.8	2.0	70.0			QL=4 ST=3 TYP=5
	1415	SGMR	47 GB	2045.3	2046.1	1.8	97.0			QL=4 ST=3 TYP=5
	4995	SGMR	8 S	2045.5	2045.6	.8	60.0			QL=4 ST=3 TYP=3
	610	PALE	47 GB	2045.6	2046.8	2.7	89.0			QL=6 ST=2 TYP=5
	410	PALE	47 GB	2058.1	2059.3	5.0	119.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	2059.3	2059.6	5.0	76.0			QL=6 ST=2 TYP=5
	9400	TYKW	5 S	2305.0	2307.2	15.0	5.0	2.0		
21	208	VORO	44 NS	0000.0E		240.00		42.0		
	200	GORK	44 NS	0700.0E		300.00		5.0		
	204	IZMI	44 NS	0700.0E		300.00	60.0			
	430	KRAK	44 NS	0800.0E	1114.00	360.00	25.0	9.0		
	260	ONDR	44 NS	0814.0E	1323.00	347.00	690.00			
	245	PALE	43 NS	1730.0	0018.6	628.00	189.0			QL=6 ST=2 TYP=1
	200	HIRA	44 NS	2146.0E	0400.0	600.00	8.0	5.0		ML
	245	LEAR	43 NS	2230.0	2312.8	745.00	40.0			QL=6 ST=2 TYP=1
	245	PALE	49 GB	0000.3	0001.3	15.2				QL=6 ST=2 TYP=7
	610	PALE	49 GB	0000.6	0000.6	11.4	119.0			QL=6 ST=2 TYP=7
	3750	TYKW	21 GRF	0005.0	0012.0	40.0	3.0	1.5		
	9400	TYKW	5 S	0011.0	0012.1	4.0	9.0	4.0		
	9400	TYKW	30 PBI	0015.0		25.0	3.0	1.5		
	9400	TYKW	31 ABS	0040.0	0135.0	115.0	-8.0	-4.0		
	2000	TYKW	32 ABS	0040.0	0140.0	130.0	-4.0	-2.0		
	3750	TYKW	31 ABS	0045.0	0135.0	105.0	-6.0	-3.0		
	9400	TYKW	5 S	0209.0	0218.4	20.0	7.0	3.0		
	3750	TYKW	5 S	0238.0	0242.7	15.0	3.0	1.0		
	9400	TYKW	5 S	0238.0	0244.0	15.0	3.0	1.0		
	2000	TYKW	5 S	0240.0	0242.3	6.0	15.0	5.0		
	2000	TYKW	28 PRE	0310.0	0343.0	33.0	2.0	1.0		
	1000	TYKW	21 GRF	0310.0	0425.0	230.0	4.0	2.0		
	2000	TYKW	45 C	0311.0	0311.3	1.0	5.0	3.0		
	9400	TYKW	28 PRE	0311.0	0331.5	29.0	7.0	3.0		
	1000	TYKW	45 C	0313.0	0347.4	45.0	22.0	2.0		
	3750	TYKW	28 PRE	0323.0	0343.0	20.0	4.0	2.0		
	100	HIRA	41 F	0325.0	0348.7	49.0	120.0			SR
	9400	TYKW	45 C	0340.0	0351.0	50.0	29.0	15.0		
	3750	TYKW	45 C	0343.0	0352.6	45.0	14.0	8.0		
	2000	TYKW	45 C	0343.0	0354.6	45.0	11.0	5.0		
	17000	NOBE	20 GRF	0345.0	0354.0	60.0	15.0			0
	35000	NOBE	20 GRF	0345.0	0354.0	30.0	44.0			0
	8800	LEAR	4 S/F	0345.6	0351.3	18.5	30.0			QL=6 ST=2 TYP=3
	1415	LEAR	4 S/F	0346.3	0348.3	2.5	26.0			QL=6 ST=2 TYP=3
	15400	LEAR	4 S/F	0346.3	0400.0	21.5	28.0			QL=6 ST=2 TYP=3
	4995	LEAR	8 S	0346.6	0347.6	1.4	16.0			QL=6 ST=2 TYP=3
	3750	TYKW	30 PBI	0428.0		150.0	6.0	3.0		
	2000	TYKW	30 PBI	0428.0		150.0	4.0	2.0		
	9400	TYKW	30 PBI	0430.0		150.0	11.0	5.0		

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

9
Jan 85

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
21	9400	TYKW	45 C	0504.0	0505.7	7.0	102.0	30.0		
	9395	PEKG	45 C	0504.0	0505.8	4.0	100.6	48.7		
	3750	TYKW	45 C	0504.0	0505.9	7.0	85.0	25.0		
	2840	PEKG	45 C	0504.0	0506.5	5.0	53.0	32.2		
	1000	TYKW	45 C	0504.5	0505.3	3.5	14.0	2.0		
	17000	NOBE	7 C	0504.5	0505.5	16.0	60.0			R
	35000	NOBE	1 S	0504.5	0505.8	5.0	44.0			0
	2000	TYKW	45 C	0504.5	0506.4	5.5	31.0	10.0		
	17000	NOBE		0504.5	0513.1		32.0			0
	8800	LEAR	47 GB	0504.6	0505.6	3.5	100.0			QL=6 ST=2 TYP=5
	4995	LEAR	47 GB	0504.8	0506.0	3.3	78.0			QL=6 ST=2 TYP=5
	15400	LEAR	47 GB	0505.0	0505.5	2.1	73.0			QL=6 ST=2 TYP=5
	2695	LEAR	47 GB	0505.1	0506.3	2.7	52.0			QL=6 ST=2 TYP=5
	2000	TYKW	30 PBI	0510.0		95.0	3.0	1.5		
	2840	PEKG	1 S	0510.0	0513.6	4.0	1.7	.8		
	3750	TYKW	30 PBI	0511.0		100.0	6.0	3.0		
	9400	TYKW	30 PBI	0511.0		100.0	8.0	4.0		
	9400	TYKW	5 S	0512.5	0513.4	2.5	9.0	3.0		
	3750	TYKW	5 S	0513.0	0513.2	1.0	16.0	2.0		
	9395	PEKG	3 S	0513.0	0513.5	1.0	12.4	5.9		
	9400	TYKW	29 PBI	0515.0		6.0	2.0	1.0		
	3750	TYKW	21 GRF	0533.0	0549.0	70.0	3.0	1.5		
	2000	TYKW	20 GRF	0533.0	0549.0	65.0	2.0	1.0		
	9400	TYKW	20 GRF	0540.0	0603.0	65.0	4.0	2.0		
	3750	TYKW	5 S	0622.0	0628.0	15.0	2.0	.7		
	2950	GORK	21 GRF	0704.2	1107.0	300.00	6.6			
	2840	PEKG	1 S	0705.0	0706.5	3.0	2.0	.3		
	2950	GORK	1 S	0705.8	0706.5	1.5	1.4	.7		
	9300	KISV	8 S	0706.1	0706.2	.3	24.0			
	9100	GORK	21 GRF	0706.3	1100.0	300.00	18.0			
	3100	CRIM	21 GRF	0908.0	1100.0	182.0	7.0	2.0		
	430	KRAK	42 SER	1009.5	1009.5	40.0	33.0			
	430	KRAK		1009.5	1031.9		24.0			
	430	KRAK		1009.5	1048.8		49.0			
	100	GORK	41 F	1034.3	1035.0	4.5	35.0			
	100	GORK		1034.3	1037.0		40.0			
	100	GORK		1034.3	1038.1		25.0			
	536	ONDR	40 F	1037.5	1048.0	14.0	104.0			
	808	ONDR	46 C	1044.5	1046.5	6.0				
	810	KRAK	46 C	1044.5	1049.0	5.5	250.0	8.0		
	2950	GORK	4 S/F	1044.8	1046.3U	5.2	4.2D			
	3100	CRIM	3 S	1045.5	1046.2	8.0	50.0	17.0		
	11800	BERN	4 S/F	1045.7	1046.3	7.0	81.0			
	8400	BERN	4 S/F	1045.7	1046.3	7.0	87.0			
	3100	BERN	4 S/F	1045.7	1046.6	7.0	279.0			
	9100	GORK	4 S/F	1045.8	1046.3	1.7	66.0			
	650	GORK	46 C	1045.9	1046.7	3.5	38.0			
	650	GORK		1045.9	1049.2		16.5			
	9300	KISV	46 C	1046.0	1046.4	5.0		75.0		
	9300	KISV		1046.0	1046.8		58.0			
	9300	KISV		1046.0	1048.6		26.0			
	2695	LEAR	47 GB	1046.0	1046.3	1.0	94.0			QL=6 ST=2 TYP=5
	950	GORK	41 F	1046.0	1046.6	4.0	132.0			
	1415	LEAR	47 GB	1046.0	1046.6	1.1	219.0			QL=6 ST=2 TYP=5
	4995	ATHN	47 GB	1046.0	1047.0	3.0	56.0			QL=1 ST=2 TYP=5
	2695	ATHN	47 GB	1046.0	1047.0	2.0	80.0			QL=1 ST=2 TYP=5
	1415	ATHN	47 GB	1046.0	1047.0	4.0	77.0			QL=1 ST=2 TYP=5
	8800	ATHN	47 GB	1046.0	1047.0	2.0	56.0			QL=1 ST=2 TYP=5
	3000	IZMI	5 S	1046.0	1047.2	2.0	60.0	30.0		
	4995	LEAR	8 S	1046.1	1046.3	.5	41.0			QL=6 ST=2 TYP=3
	9100	GORK	1 S	1048.2	1048.7	1.2	15.0	7.0		
	950	GORK		1049.0			14.0			
	127	TORN	40 F	1101.5		9.5		5.0		
	127	TORN	8 S	1108.8	1109.1	.5	70.0	40.0		
	9300	KISV	1 S	1157.3	1157.7	1.0	8.0			
	2800	OTTA	21 GRF	1335.0	1455.0	190.0	11.4	5.7		
	4995	ATHN	4 S/F	1415.0	1416.0	3.0	4.0			QL=6 ST=2 TYP=3
	2695	ATHN	4 S/F	1415.0	1416.0	4.0	7.0			QL=6 ST=2 TYP=3
	1415	ATHN	8 S	1415.0	1416.0	2.0	5.0			QL=6 ST=2 TYP=3
	8800	ATHN	4 S/F	1415.0	1417.0	6.0	20.0			QL=6 ST=2 TYP=3
	2800	OTTA	1 S	1445.8	1446.5	1.5	2.0	1.0		

10
Jan 85

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
21	19600	BERN	3 S	1514.7	1516.4	10.0U	42.0			
	11800	BERN	3 S	1514.7	1516.4	10.0U	160.0			
	8400	BERN	3 S	1514.7	1516.4	10.0U	159.0			
	15400	SGMR	47 GB	1515.3	1516.3	10.0	150.0			QL=6 ST=2 TYP=5
	8800	SGMR	47 GB	1515.3	1516.3	4.0	160.0			QL=6 ST=2 TYP=5
	4995	SGMR	47 GB	1515.3	1516.6	7.5	79.0			QL=6 ST=2 TYP=5
	2800	OTTA	3 S	1515.5	1517.0	4.5	14.2	7.1		
	4995	ATHN	47 GB	1516.0	1516.0	4.0	65.0			QL=5 ST=2 TYP=5
	8800	ATHN	47 GB	1516.0	1517.0	4.0	160.0			QL=5 ST=2 TYP=5
	2695	ATHN	4 S/F	1516.0	1517.0	4.0	19.0			QL=5 ST=2 TYP=3
	2695	SGMR	4 S/F	1516.3	1516.8	2.5	17.0			QL=6 ST=2 TYP=3
	2800	OTTA	30 PBI	1520.0	1520.0	30.0	3.2	1.6		
	2800	OTTA	2 S/F	1537.0	1537.9	1.0	3.8			
	9400	HUAN	21 GRF	1643.1	1743.2	108.9	24.6	11.5		R
	2800	OTTA	46F C	1648.0	1653.3	17.0	22.0	7.9		
	2800	OTTA	21 GRF	1648.0	1745.0	275.0	17.6	8.4		
	9400	HUAN	46 C	1648.4	1653.8	10.5	151.0	81.3		R
	15400	SGMR	47 GB	1648.5	1649.6		290.0			QL=6 ST=3 TYP=5
	8800	SGMR	47 GB	1649.1	1651.6		150.0			QL=6 ST=3 TYP=5
	4995	SGMR	8 S	1649.3	1651.6		40.0			QL=6 ST=3 TYP=3
	4995	SGMR	47 GB	1649.3	1651.6		40.0			QL=6 ST=3 TYP=5
	2695	SGMR	8 S	1651.3	1651.6		19.0			QL=6 ST=3 TYP=3
	9400	HUAN	1 S	1711.3	1713.5	3.9	7.4	2.4		0
	2800	OTTA	1 S	1711.5	1713.0	4.0	7.4	3.2		
	9400	HUAN	2 S/F	1721.2	1724.5	7.1	8.0	4.2		0
	9400	HUAN	1 S	1736.6	1738.0	3.3	3.7	2.1		0
	9400	HUAN	2 S/F	2036.6	2038.3	3.9	4.9	1.5		0
	9400	HUAN	1 S	2114.4	2117.2	6.7	8.6	3.4		0
	9400	HUAN	45 C	2127.9	2129.5	6.5	76.1	29.0		R
	2695	PENT	2 S/F	2129.0	2130.5	4.0	7.8	3.5		
	8800	PALE	47 GB	2129.3	2129.8	2.0	74.0			QL=6 ST=2 TYP=5
	15400	PALE	8 S	2129.6	2129.8	.5	42.0			QL=6 ST=2 TYP=3
	4995	PALE	8 S	2129.8	2130.3	.8	32.0			QL=6 ST=2 TYP=3
	2695	PENT	29 PBI	2133.0	2133.0	15.0	2.4	1.2		
	9400	HUAN	29 PBI	2134.4	2134.4	24.0	7.4	4.2		0
	9400	HUAN	2 S/F	2207.9	2209.7	6.2	13.5	6.6		R
	2695	PENT	3 S	2208.5	2209.8	2.0	16.4	8.2		
	2695	PENT	29 PBI	2210.5	2210.5	4.0	3.4	1.7		
	410	PALE	8 S	2220.1E		1.7D	21.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2220.1E		1.7D	43.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	2220.1E		1.7D	18.0			QL=4 ST=2 TYP=3
	9400	TYKW	5 S	2310.0	2311.7	5.0	6.0	2.0		
	9400	TYKW	47 GB	2352.5	0000.3	22.5	2240.0	440.0		
	3750	TYKW	28 PRE	2353.0	2356.0	3.0	2.0	1.0		
	15400	LEAR	49 GB	2353.0	2353.1	18.5	20.0			QL=6 ST=3 TYP=7
	17000	NOBE	47 GB	2353.0	2359.9	21.0	3400.0			R
	8800	LEAR	49 GB	2353.1	2354.8	18.4	35.0			QL=6 ST=2 TYP=7
	8800	PALE	49 GB	2353.3	0000.1	22.2	2500.0			QL=6 ST=2 TYP=7
	4995	PALE	49 GB	2355.6	0000.1	19.9	1100.0			QL=6 ST=2 TYP=7
	3750	TYKW	47 GB	2356.0	0000.1	19.0	985.0	230.0		
	4995	LEAR	49 GB	2356.6	0000.1	14.9	1199.0			QL=6 ST=2 TYP=7
	15400	PALE	49 GB	2356.6	2359.8	19.7	4000.0			QL=6 ST=2 TYP=7
	2000	TYKW	47 GB	2357.0	0000.0	21.0	960.0	160.0		
	35000	NOBE	47 GB	2357.0		17.0	3500.0			R
	80000	NOBE	46 C	2358.1		16.0	720.0			
	80000	NOBE	46 C	2358.1		16.0	75.0			
	2695	LEAR	49 GB	2358.1	2359.8	13.4	1100.0			QL=6 ST=2 TYP=7
	2695	PALE	49 GB	2358.3	2359.8	14.3	980.0			QL=6 ST=2 TYP=7
	1000	TYKW	47 GB	2358.5	2359.3	19.5	1020.0	100.0		
	1415	LEAR	49 GB	2358.6	0000.3	12.9	720.0			QL=6 ST=2 TYP=7
	1415	PALE	49 GB	2358.8	0000.3	16.5	800.0			QL=6 ST=2 TYP=7
	500	H IRA	48 C	2359.5	0000.0U	134.0D	100000.0D	350.0		WR
	500	H IRA		2359.5	0033.5		2000.0			SL
	500	H IRA		2359.5	0053.8		750.0			SL
	610	LEAR	49 GB	2359.6		11.9				QL=6 ST=2 TYP=7
	410	LEAR	49 GB	2359.8	0000.1	11.7	99000.0			QL=6 ST=2 TYP=7
	245	LEAR	49 GB	2359.8	0001.3	11.7				QL=6 ST=2 TYP=7
22	208	VORO	44 NS	0119.0E		108.0D		15.0		
	200	GORK	44 NS	0630.0E		270.0D		5.0		
	100	GORK	44 NS	0640.0E		270.0D		5.0		

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

11
Jan 85

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
22	127	TORN	44 NS	0820.0E		370.0D		4.0		V=0 DISTURBED
	260	ONDR	44 NS	0823.0E	1254.0	332.0D	5.0			
	610	LEAR	44 NS	2216.0E	2332.3		3.0			QL=6 ST=2 TYP=1
	200	HIRA	43 NS	2300.0	0123.0	300.0	23.0	12.0		WR
	208	VORO	28 PRE	0000.0E	0004.0	13.0D	63.0			
	200	HIRA	48 C	0000.0	0001.9	110.0	34000.0	357.0		0
	100	HIRA	48 C	0000.0	0002.1U	150.0	10000.0D	500.0D		
	200	HIRA		0000.0	0008.3		160.0			WL
	100	HIRA		0000.0	0026.7		1500.0			WR
	200	HIRA		0000.0	0034.7		1000.0			ML
	100	HIRA		0000.0	0048.8		1600.0			WL
	15400	LEAR	47 GB	0011.5	0011.6	20.6	150.0			QL=6 ST=3 TYP=5
	2695	LEAR	47 GB	0011.5	0025.8	20.6	280.0			QL=6 ST=3 TYP=5
	8800	LEAR	47 GB	0011.5	0026.3	20.6	73.0			QL=6 ST=3 TYP=5
	4995	LEAR	47 GB	0011.5	0028.0	20.6	110.0			QL=6 ST=3 TYP=5
	1415	LEAR	49 GB	0011.5	0029.8	20.6	3800.0			QL=6 ST=3 TYP=6
	245	LEAR	49 GB	0011.5	0031.1	20.6	2199.0			QL=6 ST=3 TYP=6
	410	LEAR	49 GB	0011.5	0031.6	20.6	5200.0			QL=6 ST=3 TYP=6
	610	LEAR	49 GB	0011.5	0032.1	20.6	2399.0			QL=6 ST=3 TYP=6
	208	VORO	49 GB	0013.0	0025.0U	66.0	300.0D			
	208	VORO		0013.0	0047.0U		300.0D			
	208	VORO		0013.0	0103.0U		300.0D			
	17000	NOBE	29 PBI	0014.0	0014.0	31.0	118.0			0
	80000	NOBE	29 PBI	0014.0	0014.0	26.0	90.0			
	35000	NOBE	29 PBI	0014.0	0014.0	26.0	97.0			0
	9400	TYKW	30 PBI	0015.0		165.0	84.0	12.0		
	3750	TYKW	30 PBI	0015.0		180.0	23.0	8.0		
	1000	TYKW	30 PBI	0018.0		320.0	8.0	4.0		
	2000	TYKW	30 PBI	0018.0		202.0	10.0	5.0		
	9400	TYKW	5 S	0018.0	0018.6	1.5	5.0	1.5		
	1415	PALE	47 GB	0018.3	0018.6	1.3	290.0			QL=6 ST=2 TYP=5
	2695	PALE	47 GB	0018.3	0018.6	1.0	81.0			QL=6 ST=2 TYP=5
	3750	TYKW	5 S	0018.3	0018.7	1.5	19.0	6.0		
	2000	TYKW	45 C	0018.3	0018.7	3.0	140.0	25.0		
	1000	TYKW	5 S	0018.3	0018.7	3.0	190.0	60.0		
	610	PALE	47 GB	0018.5	0018.8	1.1	59.0			QL=6 ST=2 TYP=5
	245	PALE	49 GB	0018.6	0018.6	1.0	620.0			QL=6 ST=2 TYP=6
	410	PALE	47 GB	0018.6	0019.0	.9	130.0			QL=6 ST=2 TYP=5
	245	PALE	49 GB	0021.8	0022.8	12.5	1399.0			QL=6 ST=2 TYP=6
	1000	TYKW		0022.0	0033.8		3840.0			
	2000	TYKW		0022.0	0035.3		420.0			
	2000	TYKW	47 GB	0022.0	0052.8	115.0	2060.0	200.0		
	1000	TYKW	47 GB	0022.0	0055.2	103.0	5800.0	950.0		
	610	PALE	49 GB	0022.1	0024.5	12.2	250.0			QL=6 ST=2 TYP=6
	2695	PALE	47 GB	0022.1	0024.6	12.2	32.0			QL=6 ST=2 TYP=5
	1415	PALE	49 GB	0022.1	0024.6	12.2	91.0			QL=6 ST=2 TYP=6
	410	PALE	49 GB	0022.1	0024.8	12.2	390.0			QL=6 ST=2 TYP=6
	4995	PALE	47 GB	0022.1	0026.6	12.2	55.0			QL=6 ST=2 TYP=5
	8800	PALE	47 GB	0022.1	0030.8	12.2	110.0			QL=6 ST=2 TYP=5
	15400	PALE	47 GB	0022.1	0030.8	12.2	62.0			QL=6 ST=2 TYP=5
	3750	TYKW		0024.0	0032.7		110.0			
	3750	TYKW	45 C	0024.0	0055.8	81.0	250.0	100.0		
	9400	TYKW	45 C	0025.0	0028.6	16.0	35.0	15.0		
	245	LEAR	49 GB	0032.1	0032.3	25.9	2300.0			QL=6 ST=3 TYP=6
	610	LEAR	49 GB	0032.1	0032.6	25.9	2399.0			QL=6 ST=3 TYP=6
	410	LEAR	49 GB	0032.1	0033.0	25.9	5200.0			QL=6 ST=3 TYP=6
	15400	LEAR	47 GB	0032.1	0038.6	25.9	57.0			QL=6 ST=3 TYP=5
	1415	LEAR	49 GB	0032.1	0052.3	25.9	26000.0			QL=6 ST=3 TYP=6
	8800	LEAR	47 GB	0032.1	0055.1	25.9	76.0			QL=6 ST=3 TYP=5
	2695	LEAR	47 GB	0032.1	0055.8	25.9	360.0			QL=6 ST=3 TYP=5
	4995	LEAR	47 GB	0032.1	0055.8	25.9	200.0			QL=6 ST=3 TYP=5
	410	PALE	49 GB	0042.8	0047.6	39.5	2500.0			QL=6 ST=2 TYP=6
	245	PALE	49 GB	0042.8	0048.3	29.0	1100.0			QL=6 ST=2 TYP=6
	610	PALE	49 GB	0044.6	0046.3	39.4	630.0			QL=6 ST=2 TYP=6
	1415	PALE	49 GB	0044.6	0048.3	39.4	17000.0			QL=6 ST=2 TYP=6
	9400	TYKW	45 C	0045.0	0055.3	48.0	73.0	30.0		
	4995	PALE	47 GB	0046.6	0048.1	35.2	42.0			QL=6 ST=2 TYP=5
	2840	PEKG	45 C	0047.0	0056.0	53.0	286.0	192.0		
	9395	PEKG	45 C	0047.0	0057.0	15.0	95.0	36.2		
	2695	PALE	47 GB	0047.1	0048.3	36.9	64.0			QL=6 ST=2 TYP=5
	8800	PALE	47 GB	0048.1	0048.1	31.4	18.0			QL=6 ST=2 TYP=5

12
Jan 85

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22	Mean W/m 2 Hz)		
22	15400	PALE	8 S	0054.1	0055.3	1.2	33.0			QL=6 ST=2 TYP=3
	410	LEAR	47 GB	0058.0	0058.1	58.5	520.0			QL=6 ST=3 TYP=5
	4995	LEAR	47 GB	0058.0	0058.1	62.8	180.0			QL=6 ST=3 TYP=5
	8800	LEAR	47 GB	0058.0	0058.1	30.0	68.0			QL=6 ST=3 TYP=5
	610	LEAR	47 GB	0058.0	0058.1	62.8	870.0			QL=6 ST=3 TYP=5
	2695	LEAR	47 GB	0058.0	0059.8	62.8	310.0			QL=6 ST=3 TYP=5
	245	LEAR	47 GB	0058.0	0102.5	42.0	470.0			QL=6 ST=3 TYP=5
	9395	PEKG	30 PBI	0102.0		61.0	72.0	19.0		
	2840	PEKG	30 PBI	0140.0		24.0	12.2	5.1		
	3750	TYKW	30 PBI	0145.0		90.0	20.0	10.0		
	9400	TYKW	21 GRF	0145.0	0157.0	45.0	8.0	4.0		
	9400	TYKW	5 S	0146.0	0147.7	5.0	9.0	3.0		
	3750	TYKW	5 S	0147.0	0147.7	2.0	6.0	2.0		
	9395	PEKG	3 S	0147.0	0147.8	2.0	49.8	33.0		
	2840	PEKG	1 S	0147.0	0147.8	2.0	3.3	2.2		
	3750	TYKW	29 PBI	0149.0		10.0	1.0	.5		
	1000	TYKW	30 PBI	0205.0		35.0	12.0	3.0		
	1000	TYKW	47 GB	0208.5	0208.8	.6	1390.0	80.0		
	610	LEAR	49 GB	0208.6	0208.6	.2	640.0			QL=6 ST=2 TYP=6
	610	PALE	49 GB	0208.6E	0208.6	.2D	840.0			QL=5 ST=2 TYP=6
	1415	LEAR	8 S	0208.6	0208.6	.2	31.0			QL=6 ST=2 TYP=3
	410	PALE	47 GB	0208.6E	0208.8	.4D	390.0			QL=5 ST=2 TYP=5
	410	LEAR	49 GB	0208.6	0208.8	.4	830.0			QL=6 ST=2 TYP=6
	2000	TYKW	29 PBI	0217.0		80.0	8.0	4.0		
	100	HIRA	24 R	0230.0	0318.0	330.0	70.0	30.0		WR
	1000	TYKW	45 C	0242.0	0244.1	4.0	7.0	1.0		
	9400	TYKW	31 ABS	0300.0	0415.0	160.0	-15.0	-9.0		
	245	LEAR	8 S	0302.8	0303.0	.3	42.0			QL=6 ST=2 TYP=3
	610	LEAR	47 GB	0303.0	0303.1	.1	340.0			QL=6 ST=2 TYP=5
	3750	TYKW	31 ABS	0315.0	0415.0	135.0	-6.0	-3.0		
	2000	TYKW	31 ABS	0340.0	0414.0	120.0	-2.0	-1.0		
	3750	TYKW	5 S	0535.0	0535.7	2.0	4.0	2.0		
	9400	TYKW	5 S	0535.0	0535.7	3.0	5.0	1.5		
	3750	TYKW	29 PBI	0537.0		15.0	1.5	.7		
	3100	CRIM	25 R	0718.0	1100.0		2.0			
	2950	GORK	21 GRF	0846.8	1106.0	180.0	3.0			
	536	ONDR	8 S	0917.0	0917.3	.3	6.0			
	29	UPIC	45 C	0943.4	0943.5	2.3				
	33	UPIC	45 C	0943.4	0945.0	2.2				
	9300	KISV	21 GRF	1100.0	1103.8	42.0	16.0			
	3100	CRIM	3 S	1100.0	1104.0	9.0	10.0	3.0		
	4995	ATHN	4 S/F	1102.0	1104.0	5.0	8.0			QL=5 ST=2 TYP=3
	8800	ATHN	4 S/F	1102.0	1104.0	5.0	9.0			QL=5 ST=2 TYP=3
	2695	ATHN	4 S/F	1102.0	1104.0	5.0	3.0			QL=5 ST=2 TYP=3
	2950	GORK	3 S	1103.2U	1103.5	2.6U	3.0			
	9100	GORK	1 S	1103.3U	1103.8	4.9U	12.0			
	3100	CRIM	29 PBI	1109.0	1109.0	71.0	2.0	1.0		
	536	ONDR	8 S	1158.5	1158.5	.1	5.0			
	9400	HUAN	1 S	1528.3	1529.8	3.2	2.9	1.4		0
	9400	HUAN	1 S	1539.2	1540.2	2.5	5.8	2.4		0
	9400	HUAN	1 S	1558.1	1600.5	3.7	4.4	2.0		0
	2800	OTTA	8 S	1631.9	1631.9	.5	2.2	.8		
	9400	HUAN	2 S/F	1759.4	1801.3	63.0	7.3	5.3		0
	9400	HUAN	2 S/F	1805.5	1809.7	6.9	5.8	2.3		0
	9400	HUAN	2 S/F	1838.1	1841.1	6.1	5.8	1.8		0
	2800	OTTA	21 GRF	1855.0	1900.0	25.0	1.6	.9		
	2800	OTTA	1 S	1855.2	1856.0	2.5	1.6	.8		
	9400	HUAN	1 S	1901.8	1902.7	3.4	7.3	4.2		0
	2800	OTTA	1 S	2055.3	2055.5	1.0	3.2	1.6		
	3750	TYKW	20 GRF	2320.0	2331.0	30.0	1.5	.7		
23	208	VORO	44 NS	0000.0E		240.0D		12.0		
	260	ONDR	44 NS	0827.0E	1042.0	335.0D	117.0			
	245	PALE	44 NS	1730.0E	1916.1		40.0			QL=6 ST=1 TYP=1
	200	HIRA	44 NS	2145.0E	0317.0	610.0D	32.0	8.0		WR
	245	LEAR	43 NS	2216.0	0004.6	759.0D	110.0			QL=6 ST=2 TYP=1
	410	LEAR	43 NS	2216.0	0907.8	759.0D	239.0			QL=6 ST=2 TYP=1
	245	LEAR	43 NS	2217.0	0733.6	758.0D	150.0			QL=6 ST=2 TYP=1
	245	PALE	43 NS	2333.0	2359.5	266.0D	89.0			QL=6 ST=2 TYP=1
	9400	TYKW	5 S	0016.0	0016.8	1.0	9.0	3.0		
	9400	TYKW	29 PBI	0017.0		7.0	2.0	1.0		

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

13
Jan 85

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
23	3750	TYKW	5 S	0103.0	0104.0	15.0	1.0	.5		
	3750	TYKW	5 S	0132.0	0133.3	3.0	1.5	.5		
	3750	TYKW	5 S	0505.0	0509.0	13.0	1.5	.5		
	2000	TYKW	20 GRF	0544.0	0553.0	45.0	1.0	.5		
	3750	TYKW	20 GRF	0545.0	0547.0	65.0	2.0	1.0		
	2950	GORK	21 GRF	0723.3	0724.0	80.0	10.0			
	3100	CRIM	3 S	0723.9	0726.8	5.0	13.0	3.0		
	9300	KISV	28 PRE	0724.0	0725.2	2.0	5.0			
	3750	TYKW	45 C	0724.0	0727.3	10.00	60.0	20.00		
	2840	PEKG	45 C	0724.0	0727.7	12.0	22.0	9.8		
	4995	ATHN	47 GB	0724.0	0727.0	10.0	139.0			QL=6 ST=2 TYP=5
	2695	ATHN	4 S/F	0724.0	0727.0	11.0	11.0			QL=6 ST=2 TYP=3
	8800	ATHN	47 GB	0724.0	0727.0	7.0	97.0			QL=6 ST=2 TYP=5
	9100	GORK	21 GRF	0724.9	0751.0	70.0	16.0			
	4995	LEAR	47 GB	0725.0	0727.1	27.0	96.0			QL=6 ST=2 TYP=5
	9395	PEKG	45 C	0726.0	0727.3	4.0	61.0	26.0		
	2000	TYKW	45 C	0726.0	0728.0	5.00	5.0	3.00		
	9300	KISV	45 C	0726.2	0727.2	2.0	78.00			
	9300	KISV		0726.2	0727.5		74.0			
	2950	GORK	4 S/F	0726.4	0727.3	7.2	18.8			
	245	LEAR	8 S	0726.5	0726.6	1.3	39.0			QL=6 ST=2 TYP=3
	8800	LEAR	47 GB	0726.6	0727.1	3.5	83.0			QL=6 ST=2 TYP=5
	9100	GORK	45 C	0726.7	0727.3	2.1	58.0			
	9100	GORK		0726.7	0727.6		42.0			
	2695	LEAR	4 S/F	0726.8	0727.1	2.5	23.0			QL=6 ST=2 TYP=3
	3000	IZMI	5 S	0727.0	0728.0	9.0	20.0	10.0		
	15400	LEAR	8 S	0727.3	0727.6	.5	24.0			QL=6 ST=2 TYP=3
	3100	CRIM	29 PBI	0728.9	0729.0	61.0	11.0	4.0		
	9300	KISV	29 PBI	0748.6	0748.6	38.00	26.0			
	3100	CRIM	31 ABS	0830.0	0900.0	30.0	3.0	1.0		
	100	GORK	4 S/F	0907.6	0908.0	.9	1200.0			
	327	TRST	46 C	0907.7	0907.9	.8	414.0			2R
	408	TRST	46 C	0907.7	0907.9	.8	573.0			22R
	237	TRST	46 C	0907.7	0908.0	.8	81.0			22R
	200	GORK	4 S/F	0907.8	0907.9	1.1	970.0			
	204	IZMI	5 S	0908.0	0908.2	1.0	600.0	300.0		
	33	UPIC	2 S/F	0908.0	0908.5	.8				
	29	UPIC	2 S/F	0908.4	0908.7	.7				
	408	TRST	46 C	0912.4	0912.6	.3	183.0			13R
	3100	CRIM	1 S	0946.6	0947.6	3.0	1.4	.5		
	2950	GORK	21 GRF	0946.7	0947.7	19.0	1.1			
	2950	GORK	3 S	0947.0	0947.1	.3	5.6	2.5		
	2950	GORK	20 GRF	1009.0	1155.0	120.00	7.4			
	3100	CRIM	45 C	1040.0	1056.0	130.00	8.0			
	3100	CRIM		1040.0	1150.0		10.0	3.0		
	808	ONDR	46 C	1043.5		5.0				
	536	ONDR	45 C	1043.5		10.5		5.0		
	536	ONDR		1043.5	1043.5		5.0			
	536	ONDR		1043.5	1043.8		10.0			
	536	ONDR		1043.5	1049.5		5.0			
	950	GORK	4 S/F	1043.7	1047.5	6.0	8.0			
	650	GORK	4 S/F	1044.0	1047.3	4.1	14.5	4.0		
	810	KRAK	4 S/F	1044.0	1047.5	4.5	18.0	10.0		
	430	KRAK	4 S/F	1045.0	1047.5	4.0	6.0	2.0		
	9300	KISV	2 S/F	1046.5	1048.0	2.0	5.0			
	9100	GORK	20 GRF	1047.4	1121.0	78.0	9.0			
	650	GORK	30 PBI	1048.1	1048.1	5.6	2.0			
	650	GORK	3 S	1052.9	1053.1	.4	7.5	3.5		
	204	IZMI	5 S	1102.4	1102.5	.5	84.0	40.0		
	9300	KISV	2 S/F	1155.3	1155.8	1.0	3.0			
	808	ONDR	1 S	1233.0	1233.3	.7				
	810	KRAK	8 S	1233.5	1233.8	.5	11.0			
	2800	OTTA	1 S	1731.0	1732.2	6.0	1.4	.7		
	2800	OTTA	20 GRF	1905.0	1935.0	115.0	3.2	1.6		
	2695	PENT	20 GRF	2110.0	2130.0	50.0	1.2	.6		
	500	HIRA	6 S	2334.9	2335.3	1.0	53.0	6.0		WR
24	208	VORO	44 NS	0000.0E		240.00		19.0		
	410	LEAR	43 NS	0048.6	0323.8	606.40	31.0			QL=6 ST=2 TYP=1
	245	PALE	43 NS	1730.0	0219.3	630.00	80.0			QL=6 ST=2 TYP=1
	245	PALE	43 NS	1730.0	1740.0	396.00	67.0			QL=6 ST=2 TYP=1

14
Jan 85

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
24	200	HIRA	44 NS	2144.0E	2316.0	240.0D	6.0	2.0	0	
	500	HIRA	8 S	0024.0	0024.3	.7	15.0			WR
	3750	TYKW	45 C	0043.0	0044.9	10.0	9.0	3.0		
	9400	TYKW	5 S	0044.0	0045.0	3.0	2.0	.7		
	9400	TYKW	21 GRF	0044.0	0052.0	35.0	4.0	2.0		
	3750	TYKW	29 PBI	0053.0		25.0	3.0	1.5		
	500	HIRA	8 S	0213.6	0214.0	.6	6.0		0	
	3750	TYKW	5 S	0443.5	0443.9	1.5	1.5	.5		
	9400	TYKW	5 S	0540.0	0545.0	20.0	3.0	1.0		
	3000	IZMI	5 S	0913.0	0914.0	2.0	7.0	3.0		
	430	KRAK	2 S/F	1207.5	1209.5	2.5	8.0	2.0		
	200	HIRA	41 F	2236.7	2237.6	1.1	84.0		0	
25	260	ONDR	44 NS	0827.0E	1047.5	338.0D	114.0			
	29	UPIC	2 S/F	1110.5	1110.6	.5				
	33	UPIC	2 S/F	1110.6	1110.7	.5				
	29	UPIC	2 S/F	1112.1	1112.4	.9				
	33	UPIC	1 S	1112.4	1112.5	.3				
	536	ONDR	8 S	1202.0	1202.2	.5	2.0			
	536	ONDR	1 S	1245.0	1245.5	1.0	2.0			
26	200	GORK	43 NS	0639.0		114.0		5.0		
	260	ONDR	44 NS	0824.0E	1058.5	341.0D	51.0			
	245	LEAR	8 S	0819.8	0819.8	1.2	42.0			QL=1 ST=2 TYP=3
	430	KRAK	8 S	0841.2	0841.5	.8	12.0			
	810	KRAK	8 S	0841.2	0841.5	.6	33.0			
	430	KRAK	2 S/F	0932.5	0933.5	2.0	15.0	3.0		
	810	KRAK	8 S	0933.5	0933.5	.2	23.0			
	430	KRAK	8 S	1247.5	1247.5	.2	3.0			
	536	ONDR	8 S	1406.8	1407.0	.5	5.0			
	245	PALE	4 S/F	2340.0	2342.0	2.1	46.0			QL=2 ST=2 TYP=3
27	9400	HUAN	1 S	1820.7	1821.9	2.2	5.2	3.2	0	
28	127	TORN	27 RF	0728.5	0731.5	10.6	80.0	20.0		
	430	KRAK	45 C	0940.5	0941.7	3.0	55.0	3.0		
	430	KRAK		0940.5	0942.5		9.0			
	430	KRAK	8 S	1219.5	1219.5	.2	3.0			
	430	KRAK	42 SER	1326.0	1328.0	10.0	16.0			
	430	KRAK		1326.0	1330.0		8.0			
29	245	LEAR	47 GB	2232.3	2232.6	.5	119.0			QL=6 ST=2 TYP=5
30	810	KRAK	8 S	1022.3	1022.5	.4	38.0			
	430	KRAK	8 S	1022.5	1022.5	.2	4.0			
31	245	LEAR	47 GB	0752.6	0752.8	.4	70.0			QL=6 ST=2 TYP=5
	430	KRAK	2 S/F	0851.0	0851.5	1.5	6.0			

GOES 6 X-RAYS

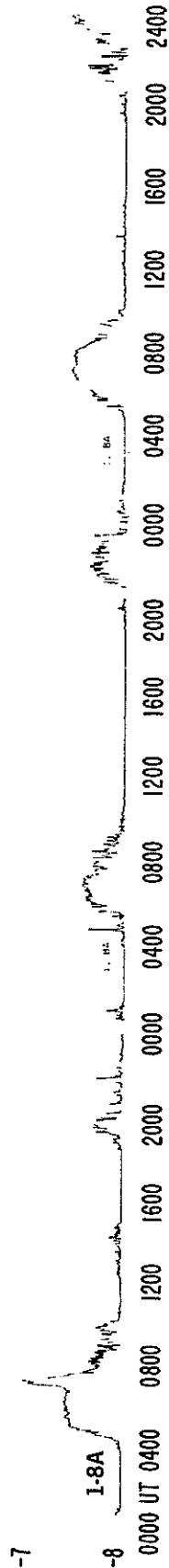
JANUARY 1985

01

02

03

Logarithmic Scale
W/m²

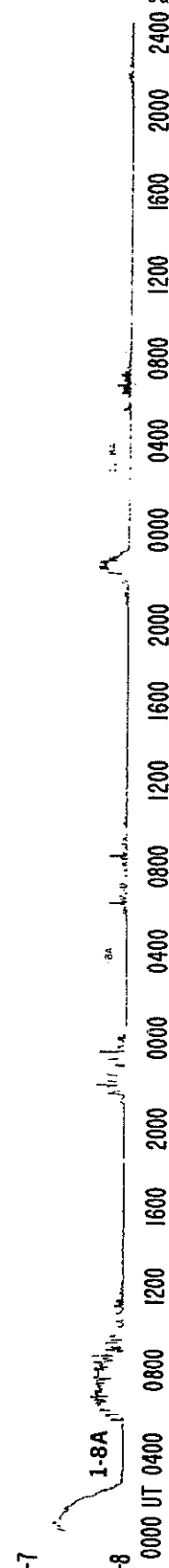


04

05

06

Logarithmic Scale
W/m²



GOES 6 X-RAYS

JANUARY 1985

07

08

09

-3

-4

-5

-6

-7

Logarithmic Scale

W/m^2

1-8A

0000 UT 0400 0800 1200 1600 2000 2400

1-8A

1-8A

1-8A

1-8A

10

11

12

-3

-4

-5

-6

-7

Logarithmic Scale

W/m^2

1-8A

0000 UT 0400 0800 1200 1600 2000 2400

1-8A

1-8A

1-8A

1-8A

GOES 6 X-RAYS

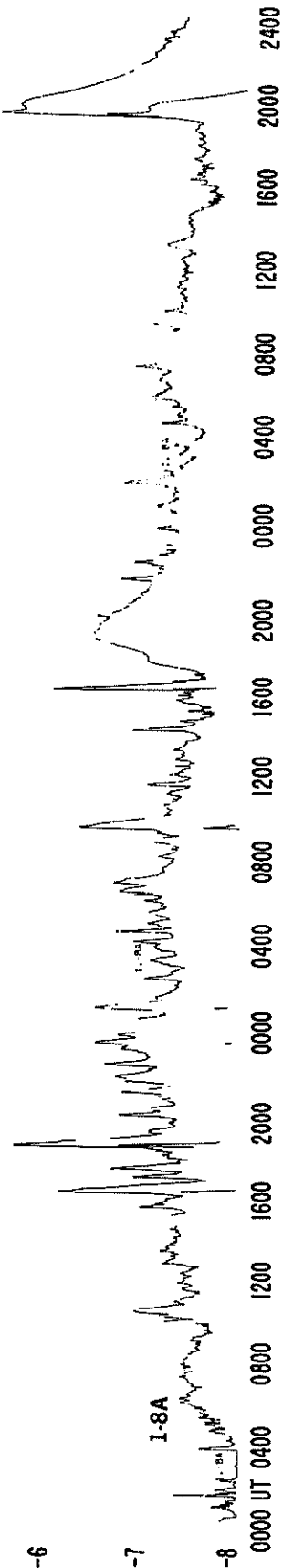
JANUARY 1985

13

14

15

Logarithmic Scale
W/m²



16

17

18

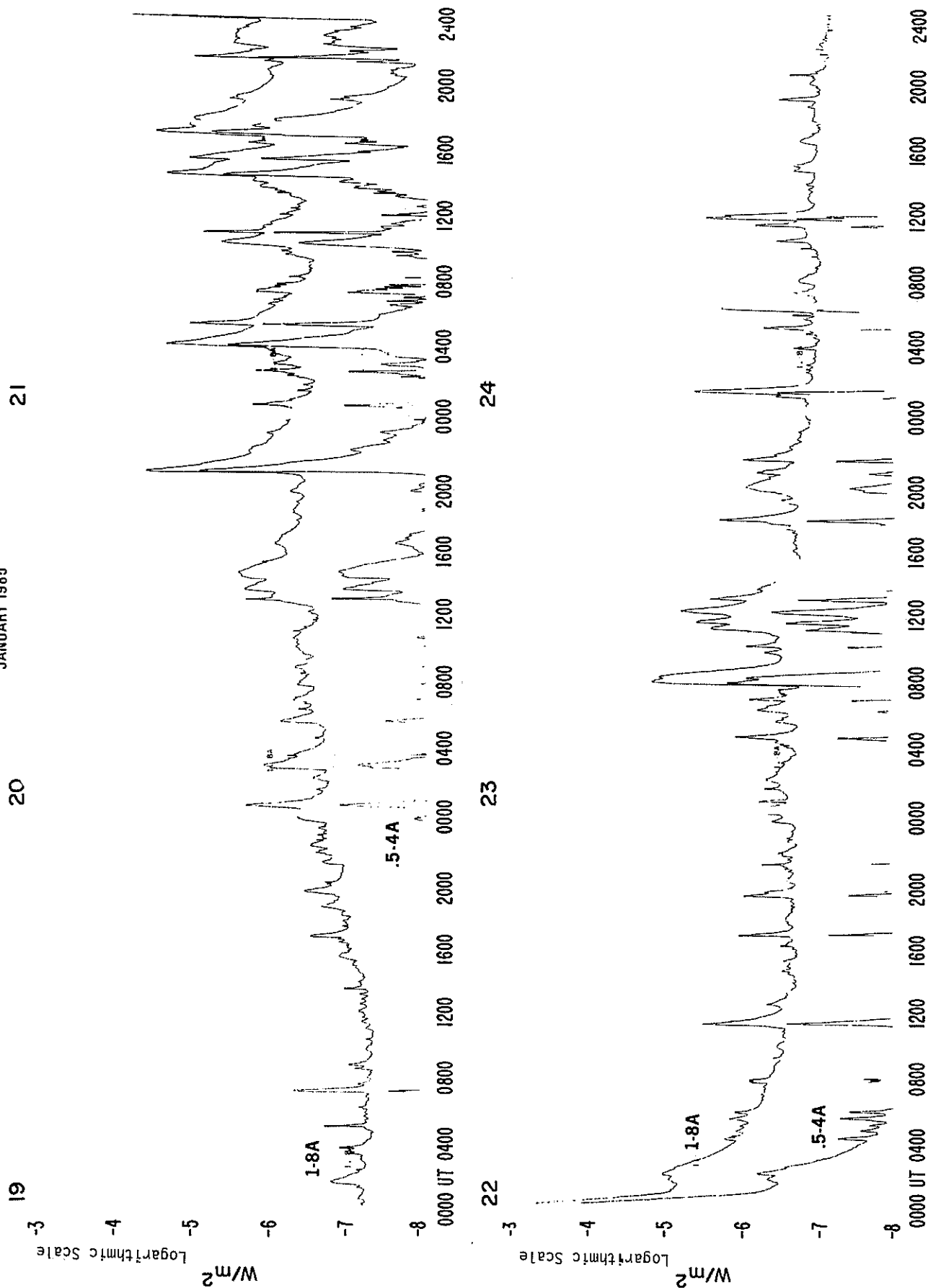
Logarithmic Scale
W/m²



17
Jan 85

GOES 6 X-RAYS

JANUARY 1985



GOES 6 X-RAYS

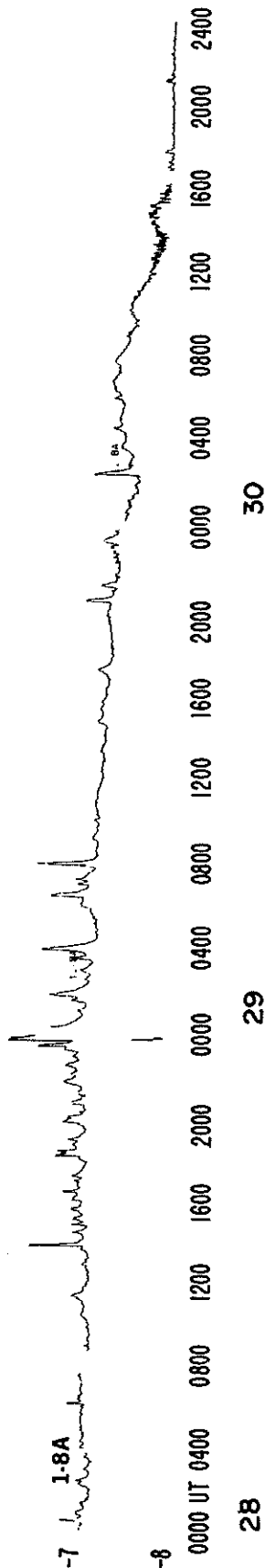
JANUARY 1985

25

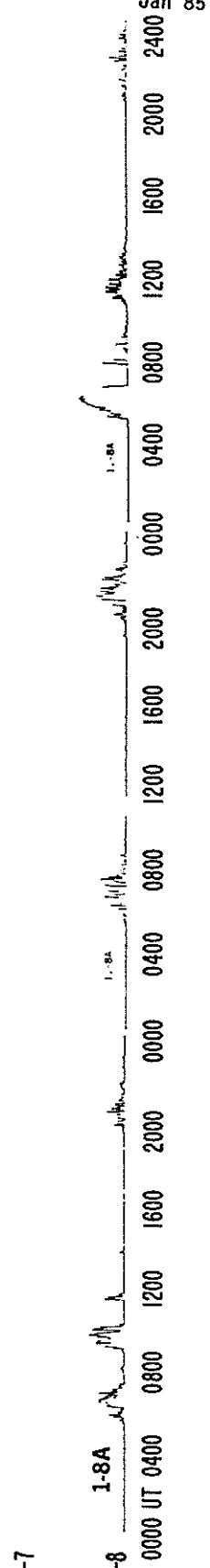
26

27

Logarithmic Scale
W/m²



Logarithmic Scale
W/m²



20
Jan 85

GOES 6 X-RAYS

JANUARY 1985

31

-3

Logarithmic Scale

-4

-5

-6

-7

W/m^2

5.43

1.8A

-8

0000 UT 0400 0800 1200 1600 2000 2400

2400

GOES SOLAR X-RAY FLARES

21
Jan 85

January 1985

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
01	0707	0732	0716	S11	W44	4611	SF	B0.9
13	1616	1631	1623					B7.4
13	1725	1735	1731					B2.1
13	1828	1842	1836					C2.1
13	1959	2008	2005					B1.6
13	2325	2338	2331					B2.9
13	2348	2356	2354					B1.7
14	0035	0046	0036	S08	E07	4616	SF	B2.9
14	0417	0421	0418	S09	E03	4616	SF	B1.8
14	0609	0626	0615			4616		B1.7
14	0633	0652	0640					B1.8
14	0919	0942	0922	S09	E01	4616	SF	B4.5
14	1601	1608	1604			4616		B8.1
14	1750	1900	1845					B3.0
14	2118	2128	2125					B1.6
15	0125	0139	0135			4616		B1.5
15	1912	2120D	1916	S08	W17	4616	1N	C3.1
16	0657	0710	0701	S08	W24	4616	SF	B3.0
16	1350E	1424D	1415	S08	W29	4616	1B	B3.0
16	1624	1633	1631					B4.9
16	1828	1850	1833			4616		B1.9
16	1917	1925	1919	S09	W31	4616	SF	B2.8
16	2227	2234	2232					B1.7
17	0137	0144	0142					B3.8
17	0321	0328	0325			4616		B2.7
17	0555	0607	0559	S08	W39	4616	SF	B3.2
17	0619	0625	0623					B2.4
17	0643	0650	0647					B1.8
17	0958	1004	1002					B1.7
17	1339	1347	1344					B3.4
17	1402	1425	1410	S11	W31	4616	SN	B4.5
17	1443	1448	1446					B4.0
17	1502	1640	1540	N20	W90	4615	SB	B1.7
17	1703	1710	1706					B1.3
17	1746	1753	1750					B1.6
17	1927	1938	1931					B1.6
17	2223	2229	2227					B1.5
18	0333	0341	0337					B1.4
18	0555	0604	0558					B2.0
18	1056	1124	1111					B2.1
18	1159	1206	1202					B2.1
18	1206E	1315D	1208	S06	W54	4616	SN	B2.2
18	1521	1527	1525					B2.7
18	1901	1918	1908					B1.3
19	0118	0140	0131					B1.6
19	0309	0315	0313					B1.1
19	0332	0338	0335					B1.3
19	0452	0457	0455					B2.0
19	0702	0715	0704	S06	W65	4616	SF	B5.2
19	1320	1327	1325					B1.1
19	1631	1656	1643	S10	W10	4617	SF	B3.1
19	2100	2125	2112					B2.2
20	0011	0030	0018	S10	W11	4617	SN	C2.3
20	0227	0302D	0234	S09	W13	4617	SF	C1.3
20	0316	0321	0319					B6.8

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
20	0517	0537	0526					B7.8
20	0607	0613	0610					B4.6
20	1252	1300	1257					C2.1
20	1325	1351	1336					C2.2
20	1410	1453	1437					C2.6
20	2039	2155	2055	S09	W24	4617	1B	M4.1
21	0000E	0028	0012	S10	W25	4617	SN	C2.0
21	0103	0108	0106					B4.8
21	0159	0204	0202					B6.5
21	0204	0234	0219	S09	W29	4617	SN	C2.0
21	0239	0453	0354	S10	W30	4617	1B	M2.2
21	0455	0659	0506	S11	W29	4617	1B	M1.1
21	0707	0722	0708	S09	W28	4617	SN	C1.9
21	0955	1023	1008	S10	W32	4617	SN	C4.6
21	1046	1054	1048	S11	W30	4617	SB	C8.8
21	1302	1358	1315	S08	W33	4617	SN	C1.8
21	1410	1513	1425	S08	W34	4617	SB	M2.4
21	1514	1549	1518			4617		M1.2
21	1611	1623	1618			4617		C2.2
21	1636	1657D	1653	S09	W35	4617	SB	M3.3
21	2127	2200	2132	S08	W38	4617	1B	M1.2
21	2209	2327	2210	S06	W34	4617	SN	C3.0
21	2352	0237	0011	S08	W38	4617	2B	X4.7
22	0728	0745	0729	S09	W42	4617	SN	B8.4
22	1100	1128	1104	S10	W45	4617	1B	C3.1
22	1551	1557	1554					B2.8
22	1628	1637	1633					C1.1
22	1853	1905	1900					B8.8
22	2054	2152	2056	S11	W53	4617	SB	B5.6
22	2356	0003	2359			4617		B4.2
23	0340	0453	0414	S13	W56	4617	SN	C1.1
23	0548	0641	0632	S11	W57	4617	SF	B5.8
23	0725	0827	0740	S12	W59	4617	1B	M1.3
23	0943	0953	0948			4617		B8.4
23	1109	1125	1115			4617		C3.6
23	1140	1236	1157	S10	W59	4617	SB	C5.8
23	1238	1256	1241	S11	W58	4617	SB	C2.5
23	1730	1753	1732	S11	W63	4617	SB	C2.0
23	2023	2039	2030			4617		B6.3
23	2110	2124	2116			4617		B9.7
24	0044	0113	0045	S11	W67	4617	SB	C4.0
24	0329	0337	0332					B2.1
24	0442	0450	0446					B5.5
24	0548	0616	0554	S11	W70	4617	SF	C1.8
24	0650	0702	0659					B2.1
24	0935	0942	0939					B1.7
24	1000	1011	1006					B3.9
24	1057	1108	1104					B7.4
24	1122	1134	1128			4617		C3.0
24	1421	1437	1426					B2.3
24	1841	1854	1848					B3.8
25	1344	1351	1349					B3.1
25	2342	2357	2346					B5.1
26	0128	0139	0134					B2.0
26	0342	0350	0346					B2.4
26	0743	0758	0755					B2.6

22
Jan 85

MASS EJECTIONS FROM THE SUN

JANUARY 1985

Sta	Day	Observed Start	Max	UT End	Location RA°	R/R ₀	Freq or Wavelength	Kind of Event
VORO	Jan 17	0144	0204	0237	260	0.058	H-alpha	S
ABST	Jan 17	0628	0638	0651	255	0.62	H-alpha	SP
VORO	Jan 21	0004	0030	U 0235	070	0.075	H-alpha	S
KHAR	Jan 21	0905	E	0922	D 260	0.51	H-alpha	S
KHAR	Jan 21	1045	E	1120	D 260	0.52	H-alpha	S
LEAR	Jan 22	[0000.1		1055.0			Meter	IV
PALE	Jan 22	0000.8		0030.8			Meter	IV
KHAR	Jan 22	0934	E	0945	D 262	0.68	H-alpha	S

QUALIFIERS ON START, MAX AND END TIMES

D = event ended after tabulated time
E = event began before the tabulated time
U = uncertain time

REPORTING STATIONS

ABST = Abastumani
KHAR = Kharkov
LEAR = Learmonth
PALE = Palohua
VORO = Voroshilov

TYPE OF EVENT

A = eruptive active region prominence
CB = coronal cloud bubble
D = coronal depletions
E = coronal enhancement
EL = coronal expanding loop
II = Type II radio burst
IVm = moving Type IV radio burst
Q = eruptive quiescent prominence
R = coronal ray or streamer
S = flare-surge if there is a known flare association
SP = flare-spray if there is a known flare association
* = movement may be caused by ionospheric refraction

ACTIVE PROMINENCES AND FILAMENTS

23
Jan 85

JANUARY 1985

Type	Day	Observed UT		Lat	CMD	Imp	Type	Sta	Remarks
		Start	End						
DSD	Jan 01	0000	0334*	S25	E21	1	C	CULG	A.
APR	Jan 01	0810	1210	N20	W90		V	ATHN	
ADF	Jan 02	0746	2002	N03	W06	3	C	CULG	6 degrees, overnight
SDF	Jan 03	1245E	0720D	N32	W18	1	C	CATA	
ADF	Jan 03	2017E	2332	N33	E21	1	C	CULG	11 degrees preflare fluctuation.
SDF	Jan 03	2017E	2332	N33	E21	1	C	CULG	Eruption 2241 UT.
SDF	Jan 04			N25	E12		V	ATHN	
ASR	Jan 04	0810	1230	S14	E90		V	ATHN	
APR	Jan 04	1230	1400	N13	E90		V	ATHN	
ADF	Jan 04	2012E	2134	S39	W16	3	C	CULG	18 degrees.
APR	Jan 05	0744	1315	N13	W90		V	ATHN	
ADF	Jan 06	0000	0750*	S01	E48	2	C	CULG	12 degrees, small changes over 2 days.
BSL	Jan 07	0755E	0800	N70	W90	1-	C	CATA	
BSL	Jan 07	1100	1110	N04	E90	1-	C	CATA	
AFS	Jan 09	0013	0506	S14	E12		V	MANI	
BSL	Jan 09	0915	0920	S43	E90	1-	C	CATA	
BSL	Jan 09	0915	0920	S78	E90	1-	C	CATA	
BSL	Jan 09	1000E	1035	S06	W90	1-	C	CATA	
BSL	Jan 09	1110	1115D	S38	W90	1-	C	CATA	
AFS	Jan 09	1200	1400	N19	W12		V	ATHN	
BSL	Jan 09	1225	1230	S58	E90	1-	C	CATA	
BSL	Jan 09	1230	1240	S64	E90	1-	C	CATA	
BSL	Jan 10	1015E	1030	S57	W90	1-	C	CATA	
BSL	Jan 10	1025	1035	S42	W90	1-	C	CATA	
SDF	Jan 11	0600	1400	N38	E46		V	ATHN	
APR	Jan 11	1012	1400	S08	E90		V	ATHN	
APR	Jan 12	0715	1400	N13	E90		V	ATHN	
BSL	Jan 12	1155E	1200	S14	E90	1-	C	CATA	
DSD	Jan 13	0032	0211	S07	E19	1	C	CULG	.05 R, SW.
ADF	Jan 13	0104	0622	S07	E21	2	V	MANI	
BSL	Jan 14	0710E	0715	S80	E90	1-	C	CATA	
BSL	Jan 14	0955	1005	S21	E90	1-	C	CATA	
BSL	Jan 14	1015	1030D	S80	E90	1-	C	CATA	
BSL	Jan 14	1040E	1050	S14	E90	1-	C	CATA	
ADF	Jan 15	0420	2057	N36	E33	3	C	CULG	20 degrees, overnight, nearby filaments faded in intensity.
ASR	Jan 15	2057E	0753D	S10	W18		C	CULG	DSD/BSL, less than .05 R South.
AFS	Jan 16	1100	1400	S08	W27		V	ATHN	
DSD	Jan 16	2030E	2237	S12	W34	2	C	CULG	.11 R, South, A, pre-flare.
BSD	Jan 16	2030E	2237	S12	W34	2	C	CULG	Same as above.
AFS	Jan 17	0121	0554	S06	W36		V	MANI	
DSD	Jan 17	0121	0554	S07	W35		V	MANI	
DSD	Jan 17	0139	0314	S12	W36	2	C	CULG	.14 R, South, B.
BSD	Jan 17	0139	0314	S12	W36	2	C	CULG	.14 R, South, B.
DSD	Jan 17	0321	0422	S12	W37	2	C	CULG	.13 R, South, B.
BSD	Jan 17	0321	0422	S12	W37	2	C	CULG	.13 R, South, B.
DSD	Jan 17	0549	0700D	S12	W39	2	C	CULG	.15 R, South, A.
BSD	Jan 17	0549	0700D	S12	W39	2	C	CULG	.15 R, South, A.
BSL	Jan 18	0825	0830D	N69	E90	1-	C	CATA	
BSL	Jan 18	1130	1150	S78	W90	1-	C	CATA	
DSD	Jan 19	1130	1210	S10	W17	1-	C	CATA	
ADF	Jan 19	2132	0846D	S13	W03	1	C	CULG	Associated with active region.

24
Jan 85

ACTIVE PROMINENCES AND FILAMENTS

JANUARY 1985

Type	Day	Observed UT		Lat	CMD	Imp	Type	Sta	Remarks
Start	End								
ADF	Jan 20	0115	0757	S12	W09	2	V	MANI	
ADF	Jan 20	0115	0810	N05	E43	2	V	MANI	
AFS	Jan 20	0115	0920	S09	W10		V	MANI	
AFS	Jan 20	0115	0920	S10	W14		V	MANI	
DSD	Jan 20	0130	0145	S12	W15		V	MANI	
ADF	Jan 20	0715	1315	S07	W18		V	ATHN	
AFS	Jan 20	0715	1315	S08	W13		V	ATHN	
BSL	Jan 20	1130	1205	N36	W90	1-	C	CATA	
BSL	Jan 20	1210	1215	S40	W90	1-	C	CATA	
BSL	Jan 20	1210	1215	S73	W90	1-	C	CATA	
BSL	Jan 20	1215	1220	S88	E90	1-	C	CATA	
BSL	Jan 20	1240	1245D	S68	E90	1-	C	CATA	
BSL	Jan 20	1245	1245D	S82	E90	1-	C	CATA	
ADF	Jan 20	2012E	2234D	S42	E49	1	C	CULG	15 degrees.
ASR	Jan 21	0600	1040	N11	E90		V	ATHN	
ADF	Jan 21	0600	1240	S08	W05		V	ATHN	
AFS	Jan 21	0600	1240	S13	W25		V	ATHN	
DSD	Jan 21	0600	1240	S14	W23		V	ATHN	
BSL	Jan 21	0945E	0950	S05	W90	1-	C	CATA	
BSL	Jan 21	0945E	0955	S63	E90	1-	C	CATA	
BSL	Jan 21	1005	1020	S14	W90	1-	C	CATA	
DSD	Jan 21	1054	1107	S06	W32	1	C	WEND	B. G. X1.
DSD	Jan 21	1055	1110	N12	W33	1	C	CATA	
DSD	Jan 21	1100	1117	S10	W30		V	ATHN	
ADF	Jan 22	0718	2107	N15	W42	3	C	CULG	5 degrees, tadpole shaped, overnight.
ADF	Jan 22	0718	2107	S16	W15	3	C	CULG	8 degrees, faint, overnight.
ADF	Jan 22	0718	2107	S37	E03	3	C	CULG	5 degrees, faint, overnight.
BSL	Jan 22	0855E	0900D	N31	E90	1-	C	CATA	
ADF	Jan 22	0915	1400	S10	W45		V	ATHN	
ADF	Jan 22	0925	1400	S08	E35		V	ATHN	
DSD	Jan 22	1120	1400	S08	W45		V	ATHN	
BSL	Jan 22	1235E	1245D	S08	E90	1-	C	CATA	
BSL	Jan 22	1235E	1245D	S36	E90	1-	C	CATA	
SDF	Jan 22/23	1245E	0755D	N17	W41	1	C	CATA	
BSL	Jan 22	1245E	1245D	N10	E90	1-	C	CATA	
ADF	Jan 23	0519	0725	S16	W50	3	C	CULG	Partial disappearance.
AFS	Jan 23	0823	1400	S12	W56		V	ATHN	
BSL	Jan 24	0740E	0750D	S75	W90	1-	C	CATA	
BSL	Jan 24	0845	0900D	S23	E90	1-	C	CATA	
BSL	Jan 26	0755E	0810	S11	W90	1-	C	CATA	
BSL	Jan 26	0755E	0820	S04	W90	1-	C	CATA	
BSL	Jan 26	0800	0820	S13	W90	1-	C	CATA	
BSL	Jan 26	0950	1015D	S13	W90	1-	C	CATA	
ADF	Jan 26	1015	1210	N03	W49		V	ATHN	
ADF	Jan 26	1015	1210	N08	E48		V	ATHN	
BSL	Jan 26	1200	1240D	S10	W90	1-	C	CATA	
BSD	Jan 27	0216	0228	N04	W57	1	C	CULG	.07 R, South, B.
ADF	Jan 27	0715	1400	N05	W57		V	ATHN	
APR	Jan 27	0715	1400	S20	W90		V	ATHN	
ADF	Jan 27	1115	1400	S43	W21		V	ATHN	
BSL	Jan 28	0852	0855	N88	W90	1-	C	CATA	
BSL	Jan 28	1020E	1125D	N02	W90	1-	C	CATA	
BSL	Jan 28	1050	1100	N09	W90	1-	C	CATA	
BSL	Jan 28	1135E	1240D	N02	W90	1-	C	CATA	
BSL	Jan 28	1220	1225	N20	W90	1-	C	CATA	
APR	Jan 29	0550	0755D	S05	E90	3	C	CULG	.08 R.
ADF	Jan 29	0807	2023	S43	W50	3	C	CULG	7 degrees, became active 0130 UT disappeared overnight.
BSL	Jan 31	1015	1020D	S89	E90	1-	C	CATA	
APR	Jan 31	1315	1400	S18	W90		V	ATHN	

CONTENTS

Comprehensive Reports DATA FOR JUNE - JULY 1983 Number 491 Part II

	Page
SOLAR FLARES June 1983	
H-alpha Flares (Preliminary Data).	26 - 54
Daily Flare Indices (not available at time of publication.)	
Intervals of no flare patrol observation	55
SOLAR FLARES July 1983	
H-alpha Flares (Preliminary Data).	56 - 76
Daily Flare Indices (not available at time of publication.)	
Intervals of no flare patrol observation	77
NUMBER OF FLARES August 1966 - July 1983.	78

26
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	X-ray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0001	YUNN	01	0132	0136	0140	S12	E58	4201	06	5.4	8	SN			C		77	1.5	E
0002		01	0357*	0343*	0500	S11	E50	4201	06	4.9	63	SF	C 2.0				121	2.6	DEF J
	LEAR	01	0334E	0343	0410	S11	E54	4201	06	5.2	360	SN		3	C		21		
	PURP	01	0357	0434	0547	S13	E51	4201	06	5.0	110	2F			C	0434	650	10.9	
	PEKG	01	0402	0403	0415	S07	E52	4201	06	5.1	13	SF			C	0403	21	.4	D
	ABST	01	0424	0440	0544	S12	E46	4201	06	4.6	80	SF	C 2.0		C	0440	87	1.3	DJ
	LEAR	01	0435E	0449	0453D	S11	E44	4201	06	4.5	18D	SN	C 2.0	1	C		24		F
	ABST	01	0436	0439	0443	S13	E56	4201	06	5.4	7	SN			C	0439	87	1.7	DJ
	PEKG	01	0503E	0503	0503D	S12	E50	4201	06	5.0	7D	SF			P	0503	34	.5	E
	PEKG	01	0516E	0516	0518	S12	E50	4201	06	5.0	2D	SF			P	0516	42	.7	E
0003	PEKG	01	0645	0703	0725	S11	E54	4201	06	5.3	40	SF			C	0703	29	.5	E
0004		01	0805*	0815*	0853	S12	E04	4196	06	1.6	48	SF					49	.5	E
	CATA	01	0805	0815	0845D	S12	E03	4196	06	1.6	40D	S		2	P	0815	56	.6	
	KANZ	01	0828	0832	0856	S11	E04	4196	06	1.6	28	SN		1					
	PEKG	01	0830	0837	0850	S11	E04	4196	06	1.6	20	SF			C	0837	42	.4	E
	KHAR	01	0832E	0833	0842D	S12	E03	4196	06	1.6	10D	SF			V	0833			
0005	KHAR	01	0828E	0830	0834D	S13	E54	4201	06	5.4	6D	SF			V	0830			H
0006		01	1120	11202	1131	S11	E03	4196	06	1.7	11	SN					59	.6	
	CATA	01	1120	1120	1125	S12	E02	4196	06	1.6	5	S		1	C	1120	56	.6	
	KANZ	01	1120	1120	1135	S11	E03	4196	06	1.7	15	SN		1					
	RAMY	01	1122E	1122	1134	S11	E03	4196	06	1.7	12D	SF		3	C		62		
0007		01	1120	11206	1129	S13	E53	4201	06	5.5	9	SN					72	1.6	
	KANZ	01	1120	1120	1130	S12	E52	4201	06	5.4	10	SN		1					
	RAMY	01	1122E	1122	1127	S12	E52	4201	06	5.4	5D	SN		3	C		48		
	ATHN	01	1125E	1126	1130	S14	E55	4201	06	5.6	5D	SN		2	V	1126	95	1.6	
0008		01	12483	1252*	1333	S08	E47	4201	06	5.0	45	SN	C 4.4				104	2.1	DEF J
	RAMY	01	1248	1252	1340	S07	E46	4201	06	5.0	52	SB	C 4.4	3	C		76		FE
	KANZ	01	1249	1253	1333	S07	E46	4201	06	5.0	44	SN	C 4.4	1					
	LVOV	01	1249	1255	1400	S11	E48	4201	06	5.1	71	IN	C 4.4		C	1255	250	4.0	DJ
	HOLL	01	1251	1252	1337	S07	E46	4201	06	5.0	46	SB	C 4.4	2	C		59		E
	KAND	01	1251	1303U	1321	S06	E46	4201	06	5.0	30	SN	C 4.4		C		31	.5	D
	ATHN	01	1253E	1254	1308	S10	E50	4201	06	5.3	15D	SB	C 4.4	2	V	1254	95	1.7	
	MONT	01	1305E	1305	1332	S08	E48	4201	06	5.1	27D	SN	C 4.4		C	1305	110		
0009	KANZ	01	1343		1408D	S20	W71	4187	05	27.2	25D	SF		1					
0010	HOLL	01	1347	1348	1358	N12	W90		05	25.9	11	SF		2	C				
0011	RAMY	01	1355	1402	1428	S09	E45	4201	06	4.9	33	SF	M 1.1	3	C		29		
0012		01	1508	1510*	1525	S07	E46	4201	06	5.1	17	SF					23		
	HOLL	01	1508	1510	1513	S07	E46	4201	06	5.1	5	SF		3	C		25		
	RAMY	01	1508	1516	1524	S07	E46	4201	06	5.1	16	SF		3	C		21		
	RAMY	01	1508	1526	1537	S07	E45	4201	06	5.0	29	SF		3	C		24		
0013		01	15451	15471	1553	N12	W87		05	26.2	8	SB					21		
	RAMY	01	1545	1547	1554	N12	W90		05	26.0	9	SN		3	C		22		
	HOLL	01	1546	1548	1552	N13	W84		05	26.4	6	SB		3	C		20		
0014		01	1837	1837*	1916	S10	E46	4201	06	5.2	39	SN	C 1.7				38		K
	HOLL	01	1837	1837	1916	S10	E46	4201	06	5.2	39	SF		3	C		38		K
	HOLL	01	1837	1850	1916	S10	E46	4201	06	5.2	39	SN	C 1.7	3	C		39		K
0015	HOLL	01	2100	2101	2104	S13	E47	4201	06	5.4	4	SF		3	C		33		
0016	CULG	01	2217	2219	2240	S06	E47	4201	06	5.4	23	SF			C	2219	60	.9	
0017		01	22571	2258	2306	S08	E47	4201	06	5.5	9	SN					34	.7	
	CULG	01	2257	2258	2307	S06	E47	4201	06	5.5	10	SN			C	2258	50	.7	
	HOLL	01	2258	2258	2305	S09	E47	4201	06	5.5	7	SN		2	C		18		

H - ALPHA SOLAR FLARES

27
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0018		02	0002E	0007	0012	S08	E47	4201	06	5.5	10D	SN					30	.4	EJT
	CULG	02	0002E	0002U	0012	S07	E47	4201	06	5.5	10D	SN			P	0002	40	.6	TJ
	PEKG	02	0005E	0007	0013	S09	E47	4201	06	5.5	8D	SN			P	0007	21	.3	E
0019		02	00516	0056*	0112	S08	E46	4201	06	5.5	21	SN					58	1.0	E
	HOLL	02	0051	0057	0115	S09	E46	4201	06	5.5	24	SN		2	C		36		
	YUNN	02	0052E	0056	0111	S09	E46	4201	06	5.5	19D	SN			P		108	1.6	
	PEKG	02	0057	0059	0105	S09	E46	4201	06	5.5	8	SN			P	0059	25	.4	E
	MANI	02	0103E	0107	0116	S06	E45	4201	06	5.4	13D	SN		1	V		64	.9	
0020	PALE	02	0334	0334	0351	S06	E38	4201	06	5.0	17	SF		3	C		20		
0021	ABST	02	0357E	0407	0442D	S07	E45	4201	06	5.5	45D	SF			P	0407	87	1.2	D
0022	PEKG	02	0442	0444	0447	S08	W27	4202	05	31.2	5	SF			C	0444	21	.2	E
0023	ABST	02	0506	0510	0517	S12	W25	4199	05	31.3	11	SF			C	0510	87	1.0	D
0024		02	06087	0612*	0644	S13	E42	4201	06	5.4	36	SF					51	.7	E
	HTPR	02	0608	0612	0650	S12	E42	4201	06	5.4	42	SF			C	0612	60	.8	E
	PEKG	02	0615	0618	0628	S13	E42	4201	06	5.4	13	SF			C	0618	42	.6	E
	KANZ	02	0624E	0624	0655	S13	E43	4201	06	5.5	31D	SN		3					
0025	HTPR	02	0625	0631	0639	S10	W30	4202	05	31.0	14	SF			C	0631	30	.3	
0026		02	06432	06473	0658	S10	W28	4202	05	31.2	15	SN					64	.8	DE
	MITK	02	0643	0649	0657	S11	W28	4202	05	31.2	14	SN			C	0649			D
	HTPR	02	0644	0648	0702	S10	W30	4202	05	31.0	18	SN			C	0648	40	.4	E
	ABST	02	0645E	0647	0705D	S10	W27	4202	05	31.2	20D	SN			P	0647	87	1.2	D
	KANZ	02	0645	0650	0655	S10	W27	4202	05	31.2	10	SN		3					
0027	HTPR	02	0647	0652	0657	S09	W41	4202	05	30.3	10	SF			C	0652	10	.1	
0028		02	07005	0705	0728	S18	E41	4203	06	5.4	28	SN					43	.6	
	KANZ	02	0700	0705	0710D	S17	E41	4203	06	5.4	10D	SN		3					
	HTPR	02	0702	0705	0742	S19	E41	4203	06	5.4	40	SN			C	0705	30	.3	
	CATA	02	0705	0705	0715	S19	E42	4203	06	5.5	10	S		2	C	0705	56	.8	
0029		02	0718*	0720*	0750	S10	W30	4202	05	31.0	32	SN					88	1.0	DEL
	HTPR	02	0718	0720	0726	S10	W31	4202	05	31.0	8	SB			C	0720	40	.4	
	PEKG	02	0719	0721	0721D	S09	W29	4202	05	31.1	2D	SF			P	0721	13	.1	E
	CATA	02	0720	0725	0815D	S10	W29	4202	05	31.1	55D	S		2	P	0725	84	1.0	
	HTPR	02	0753	0757	0801	S10	W31	4202	05	31.0	8	SB			C	0757	50	.6	
	YUNN	02	0755	0756	0802	S09	W29	4202	05	31.1	7	1N			P		308	3.7	
	KHAR	02	0757E	0757	0802D	S11	W29	4202	05	31.1	5D	SN			P	0758	30	.4	DL
0030	KHAR	02	0820E		0837D	S12	W90	4187	05	26.7	17D	SF			V	0820			DH
0031		02	0831	08321	0846	S10	W30	4202	05	31.1	15	SN					35	.4	E
	HTPR	02	0831	0833	0846	S10	W31	4202	05	31.0	15	SF			C	0833	40	.4	E
	KHAR	02	0832E	0832	0835D	S11	W29	4202	05	31.2	3D	SN			P	0832	30	.4	
0032		02	08418	08457	0908	S07	E36	4201	06	5.0	27	SF					31	.4	D
	HTPR	02	0841	0845	0906	S07	E34	4201	06	4.9	25	SF			C	0845	30	.3	
	KHAR	02	0842E	0848	0905D	S08	E37	4201	06	5.1	23D	SN			P	0848	20	.3	D
	PEKG	02	0849	0852	0909	S07	E36	4201	06	5.1	20	SF			C	0852	42	.5	D
0033	HTPR	02	0902	0908	0927	S19	E40	4203	06	5.4	25	SN			C	0908	20	.2	
0034	KHAR	02	0905E	0915	0944D	S12	W90	4187	05	26.7	39D	SN			V	0915			DH
0035	KHAR	02	0924E	0924	0931D	S09	E42	4201	06	5.5	7D	SF			P	0924	20	.3	D
0036		02	0948E	0951	1001D	S11	E36	4201	06	5.1	13D	SF					20	.3	
	KHAR	02	0948E	0951	0958D	S11	E32	4201	06	4.8	10D	SF			P	0951	20	.3	
	KHAR	02	0951E	0951	1001D	S11	E39	4201	06	5.3	10D	SF			P	0951	20	.3	
0037	KHAR	02	1033E	1039	1055D	S12	W90	4187	05	26.7	22D	SN			V	1039	42		DH

28
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0038		02	13364	13412	1400	S12	W10	4196	06	1.8	24	SN	C 1.4				29	.2	E
	HTPR	02	1336	1341	1410	S12	W09	4196	06	1.9	34	SF	C 1.4		C	1341	20	.2	E
	RAMY	02	1340	1343	1351	S12	W11	4196	06	1.7	11	SN	C 1.4	3	C		38		
0039		02	14161	14201	1426	S12	W13	4196	06	1.6	10	SF					31		F
	RAMY	02	1416	1420	1429	S12	W13	4196	06	1.6	13	SF		3	C		41		
	HOLL	02	1417	1421	1424	S12	W13	4196	06	1.6	7	SF		2	C		21		F
0040		02	1453*	15255	1607	S12	E37	4201	06	5.4	74	SB	C 2.0				150	1.0	EF
	HOLL	02	1453	1525	1622	S13	E37	4201	06	5.4	89	IB	C 2.0	2	C		274		F
	RAMY	02	1504	1525	1606	S13	E38	4201	06	5.5	62	SB	C 2.0	3	C		176		FE
	HTPR	02	1521	1530	1601	S13	E38	4201	06	5.5	40	SB	C 2.0		C	1530	120	1.6	E
	HTPR	02	1525	1528	1558	S11	E34	4201	06	5.2	33	SF			C	1528	30	.3	E
0041		02	1909	19111	1950	S11	W32	4199	05	31.4	41	SF					44		F
	HOLL	02	1909	1911	1952	S10	W32	4199	05	31.4	43	SF		3	C		52		F
	RAMY	02	1909	1912	1948	S12	W31	4199	05	31.5	39	SF		3	C		35		
0042	HOLL	02	2143	2148	2201	S07	W32	4202	05	31.5	18	SF		3	C		29		F
0043		02	2341	2342	2352	S12	W17	4196	06	1.7	11	SN					116	1.3	F
	CULG	02	2341	2342	2351	S12	W16	4196	06	1.8	10	SN			C	2342	120	1.3	
	HOLL	02	2341	2342	2353	S11	W18	4196	06	1.6	12	SF		3	C		111		F
0044		03	0029*	00406	0109	S12	E32	4201	06	5.4	40	SN	C 1.7				71	.7	EF
	CULG	03	0029	0044	0101D	S12	E33	4201	06	5.5	32D	SF			P	0044	60	.7	
	HOLL	03	0032E	0040	0112	S12	E32	4201	06	5.4	40D	SN	C 1.7	3	C		98		F
	PEKG	03	0033	0046	0100	S13	E32	4201	06	5.4	27	SN	C 1.7		C	0046	55	.7	E
	PALE	03	0040	0041	0115	S13	E32	4201	06	5.4	35	SN	C 1.7	3	C		71		
0045		03	02495	0250*	0333	S11	E21	4201	06	4.7	44	SN	C 1.9				105	1.4	EF
	LEAR	03	0249	0250	0325	S11	E23	4201	06	4.8	36	SF	C 1.9	3	C		43		F
	YUNN	03	0254	0310	0331	S10	E20	4201	06	4.6	37	SN			C		123	1.4	E
	TACH	03	0300E	0323	0416D	S12	E20	4201	06	4.6	76D	SN			C	0323	115	1.3	E
	PALE	03	0308E	0308U	0342	S10	E21	4201	06	4.7	34D	SF		3	C		139		F
0046		03	0407	04081	0414	S08	E32	4201	06	5.6	7	SN					46	.8	EF
	TACH	03	0405E	0408	0434D	S09	E32	4201	06	5.6	29D	SN			C	0408	71	.8	E
	LEAR	03	0407	0409	0414	S08	E31	4201	06	5.5	7	SF		3	C		22		F
0047		03	0625*	06394	0654	S10	E24	4201	06	5.1	29	SN	C 2.6				88	1.0	EF
	ABST	03	0625	0642	0653	S10	E23	4201	06	5.0	28	IF	C 2.6		C	0642	183	2.1	F
	LEAR	03	0631	0641	0653	S08	E25	4201	06	5.1	22	SN	C 2.6	3	C		86		
	HTPR	03	0634E		0646	S10	E27	4201	06	5.3	12D	SN	C 2.6		C	0642	60	.7	E
	HTPR	03	0636		0651D	S10	E20	4201	06	4.8	15D	SF			C	0642	30	.3	
	KANZ	03	0636E	0639	0704	S10	E23	4201	06	5.0	28D	SN		2					
	ATHN	03	0636	0643	0655	S09	E24	4201	06	5.1	19	SF		2	V	0643	80	.9	
0048		03	07502	07552	0803	S10	E24	4201	06	5.1	13	SF					20	.2	
	HTPR	03	0750	0755	0759	S09	E25	4201	06	5.2	9	SF			C	0755	20	.2	
	KANZ	03	0752	0757	0807	S10	E24	4201	06	5.1	15	SF		2					
0049		03	0815*	0816*	0842	S10	E24	4201	06	5.1	27	SN	C 2.3				86	.9	EFKT
	HTPR	03	0815	0816	0844	S10	E27	4201	06	5.4	29	SB			C	0827	60	.7	EK
	HTPR	03	0815	0827	0844	S10	E27	4201	06	5.4	29		C 2.3						
	KHAR	03	0817E	0824	0834D	S10	E25	4201	06	5.2	17D	SF	C 2.3		P	0824	55	.6	
	MONT	03	0822	0826	0831	S10	E25	4201	06	5.2	9	SN	C 2.3		C	0826	110		
	LEAR	03	0822	0827	0841	S11	E24	4201	06	5.1	19	SF	C 2.3	2	C		97		
	CATA	03	0825E	0825	0845	S10	E24	4201	06	5.1	20D	S	C 2.3	2	P	0825	112	1.3	T
	MANI	03	0825E	0827	0845	S11	E23	4201	06	5.1	20D	SN	C 2.3	1	V		85	1.0	F
	HTPR	03	0825	0832	0843	S10	E19	4201	06	4.8	18	SN			C	0832	40	.4	
	ATHN	03	0825	0836	0846	S12	E21	4201	06	4.9	21	SN		3	V	0836	127	1.4	
	KANZ	03	0826	0826	0841	S10	E24	4201	06	5.1	15	SN		2					
0050	HTPR	03	0908	0909	0912	S10	E27	4201	06	5.4	4	SF			C	0909	30	.3	E
0051		03	09301	09312	0939	S10	E24	4201	06	5.2	9	SF					60	.7	E
	HTPR	03	0930	0933	0937	S10	E27	4201	06	5.4	7	SN			C	0933	60	.7	E
	KANZ	03	0931	0931	0941	S10	E23	4201	06	5.1	10	SF		1					
	KHAR	03	0931E	0932	0937D	S09	E22	4201	06	5.0	6D	SF			V	0932			

H - ALPHA SOLAR FLARES

29
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0052		03	10041	10051	1020	S10	E23	4201	06	5.1	16	SN					110		H
	MONT	03	1004	1006	1011	S10	E24	4201	06	5.2	7	SN			C	1005	110		
	KANZ	03	1005	1005	1030	S11	E23	4201	06	5.1	25	SB		1					
	KHAR	03	1016E		1037D	S09	E22	4201	06	5.1	21D	SF			V	1016			H
0053		03	10361	10383	1050	S10	E18	4201	06	4.8	14	SF					20	.2	D
	HTPR	03	1036	1041	1049	S10	E18	4201	06	4.8	13	SF			C	1041	20	.2	
	KHAR	03	1037	1038	1050	S11	E17	4201	06	4.7	13	SF			P	1038	20	.2	D
0054		03	10574	11062	1115	S10	E24	4201	06	5.2	18	SN					20	.2	D
	HTPR	03	1057	1106	1115	S10	E26	4201	06	5.4	18	SN			C	1106	20	.2	
	KHAR	03	1101	1108	1115D	S09	E23	4201	06	5.2	14D	SF			P	1108	20	.2	D
0055		03	1117*	1124*	1146	S08	E21	4201	06	5.0	29	SN	C 8.2				90	.9	DEF
	RAMY	03	1117	1124	1130	S09	E22	4201	06	5.1	13	SN		3	C		23		F
	KHAR	03	1128E	1145	1201D	S09	E23	4201	06	5.2	33D	SN	C 8.2		P	1145	100	1.1	E
	RAMY	03	1139	1145	1147D	S10	E23	4201	06	5.2	8D	1B	C 8.2	3	C		211		
	HTPR	03	1142E		1206D	S10	E25	4201	06	5.4	24D	SF	C 8.2		C	1147	50	.6	E
	ATHN	03	1143	1147	1203	S11	E21	4201	06	5.1	20	SB	C 8.2	3	V	1147	191	2.1	
	HTPR	03	1148		1206D	S06	E15	4201	06	4.6	18D	SF			C	1152	20	.2	
	KHAR	03	1148	1155	1201D	S05	E18	4201	06	4.8	13D	SF			P	1151	35	.4	D
0056		03	1235*	1256*	1421	S10	E22	4201	06	5.2	106	SB	C 3.9				87	.6	EFHK
	HTPR	03	1235	1256	1320	S10	E25	4201	06	5.4	45	SN	C 3.9		C	1256	30	.3	E
	HOLL	03	1253E	1256	1502	S10	E21	4201	06	5.1	129D	SB	C 3.9	2	C		155		K
	HOLL	03	1253E	1429	1502	S10	E21	4201	06	5.1	129D	SB		2	C		139		FHK
	ATHN	03	1255	1257	1313	S10	E20	4201	06	5.0	18	SB		2	V	1257	127	1.4	
	HTPR	03	1314	1344	1352	S10	E24	4201	06	5.3	38	SB			C	1344	50	.5	E
	RAMY	03	1329	1338	1356	S09	E22	4201	06	5.2	27	SB		3	C		74		K
	RAMY	03	1329	1349	1356	S09	E22	4201	06	5.2	27	SB		3	C		35		K
	ATHN	03	1335E	1339	1400	S10	E20	4201	06	5.1	25D	SN		2	V	1339	64	.7	
	RAMY	03	1412	1430	1452	S09	E21	4201	06	5.2	40	SB	C 5.0	3	C		116		K
	RAMY	03	1412	1434	1452	S09	E21	4201	06	5.2	40	SB		3	C		140		K
	HTPR	03	1419	1425	1504	S10	E24	4201	06	5.4	45	SB			C	1430	30	.3	EK
	HTPR	03	1419	1430	1504	S10	E24	4201	06	5.4	45								
0057	HTPR	03	1447	1452	1500	S10	E13	4201	06	4.6	13	SF			C	1452	30	.3	
0058		03	15313	15352	1555	S10	E21	4201	06	5.2	24	SB					51	.2	E
	HTPR	03	1531	1537	1555	S10	E24	4201	06	5.4	24	SB			C	1537	20	.2	
	HOLL	03	1533	1536	1558	S10	E20	4201	06	5.1	25	SB		3	C		71		E
	RAMY	03	1534	1535	1553	S09	E20	4201	06	5.1	19	SB		3	C		61		
0059		03	1644	16443	1701	S09	E19	4201	06	5.1	17	SB					42		E
	HOLL	03	1644	1644	1700	S10	E19	4201	06	5.1	16	SB		3	C		43		E
	RAMY	03	1644	1645	1645D	S08	E20	4201	06	5.2	1D	SB		3	C		46		
	PALE	03	1644	1647	1702	S10	E18	4201	06	5.0	18	SN		3	C		37		
0060		03	17162	17191	1728	S09	E24	4201	06	5.5	12	SF					32		
	PALE	03	1716	1720	1732	S09	E24	4201	06	5.5	16	SF		3	C		36		
	RAMY	03	1718	1719	1724	S09	E25	4201	06	5.6	6	SF		3	C		29		
0061		03	1756	17572	1830	S10	E18	4201	06	5.1	34	SB	C 2.7				30		EF
	PALE	03	1756	1757	1837	S10	E17	4201	06	5.0	41	SN	C 2.7	3	C		23		F
	RAMY	03	1756	1758	1833	S10	E18	4201	06	5.1	37	SB	C 2.7	3	C		31		E
	HOLL	03	1756	1759	1819	S10	E18	4201	06	5.1	23	SB	C 2.7	2	C		35		E
0062	RAMY	03	1930		2019	S11	E17	4201	06	5.1	49	SN		3	C		22		
0063		03	2031*	2048*	2127	S11	E20	4201	06	5.3	56	SN	C 2.1				112		FKU
	HOLL	03	2031	2048	2129	S11	E22	4201	06	5.5	58	1F	C 2.1	3	C		206		UFK
	HOLL	03	2031	2117	2129	S11	E22	4201	06	5.5	58	SN		3	C		85		K
	RAMY	03	2052	2121	2123	S11	E17	4201	06	5.1	31	SN		3	C		45		
0064		03	21315	21353	2153	S09	E18	4201	06	5.2	22	SN					35		F
	RAMY	03	2131	2135	2154	S11	E18	4201	06	5.2	23	SN		3	C		34		
	HOLL	03	2135	2138	2154	S09	E20	4201	06	5.4	19	SN		3	C		43		F
	PALE	03	2136	2137	2151	S07	E17	4201	06	5.2	15	SN		3	C		29		

30
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0065		03	2208*	2211*	2231	S09	E18	4201	06	5.3	23	SN					55	.6	K
	HOLL	03	2208	2211	2238	S10	E16	4201	06	5.1	30	SN		3	C		65		K
	HOLL	03	2208	2222	2238	S10	E16	4201	06	5.1	30	SB		3	C		69		K
	PALE	03	2211	2212	2226	S09	E22	4201	06	5.6	15	SF		3	C		39		K
	PALE	03	2211	2222	2226	S09	E22	4201	06	5.6	15	SN		3	C		41		K
	CULG	03	2218	2222	2227	S10	E15	4201	06	5.0	9	SN			C	2222	60	.6	
0066		03	2240	2241*	2327	S08	E22	4201	06	5.6	47	SN					42		FK
	HOLL	03	2240	2241	2327	S08	E22	4201	06	5.6	47	SF		3	C		27		K
	HOLL	03	2240	2306	2327	S08	E22	4201	06	5.6	47	SN		3	C		56		FK
0067		03	2335	23358	2403	S09	E20	4201	06	5.5	28	SB	C 2.0				40		EFK
	HOLL	03	2335	2335	2403	S09	E20	4201	06	5.5	28	SN		3	C		27		K
	HOLL	03	2335	2343	2403	S09	E20	4201	06	5.5	28	SB	C 2.0	3	C		54		FEK
0068		04	0012*	0029*	0110	S10	E20	4201	06	5.5	58	SN	C 2.0				96	1.2	EF
	HOLL	04	0012	0046	0137D	S10	E15	4201	06	5.1	85D	SN	C 2.0	3	C		68		F
	PALE	04	0028	0029	0110	S09	E21	4201	06	5.6	42	SF		3	C		98		
	PURP	04	0034	0042	0125	S11	E21	4201	06	5.6	51	SF			C	0042	35	.4	E
	YUNN	04	0045E	0045U	0056	S08	E21	4201	06	5.6	11D	SN			P	0045	185	2.1	
0069	CULG	04	0103	0107	0124	S06	E22	4201	06	5.7	21	SF			C	0107	40	.4	
0070	PALE	04	0133	0133	0138	S07	E15	4201	06	5.2	5	SF		3	C		28		
0071		04	02079	02187	0306	S10	E09	4201	06	4.8	59	1B	M 1.5				323	4.1	EF
	MITK	04	0207	0218	0300	S08	E08	4201	06	4.7	53	SN	M 1.5		C	0218			E
	CULG	04	0214	0221	0308	S09	E09	4201	06	4.8	54	SN	M 1.5		C	0221	180	1.8	F
	YUNN	04	0214	0222	0302	S10	E10	4201	06	4.8	48	2B	M 1.5		C		815	8.7	F
	LEAR	04	0215	0218	0318	S10	E07	4201	06	4.6	63	1B	M 1.5	3	C		272		F
	PALE	04	0216	0218U	0301	S09	E10	4201	06	4.8	45	SN	M 1.5	3	C		180		F
	PURP	04	0225E	0225	0244D	S12	E11	4201	06	4.9	19D	SB	M 1.5		C	0225	169	1.8	
		04	03202	03234	0407	S09	E10	4201	06	4.9	47	SN					97	1.2	F
0072	LEAR	04	0320	0323	0423	S11	E08	4201	06	4.7	63	SN		3	C		116		F
	PALE	04	0321	0322U	0401	S09	E10	4201	06	4.9	40	SN		3	C		39		F
	CULG	04	0321	0327	0404	S08	E10	4201	06	4.9	43	SN			C	0327	80	.8	
	YUNN	04	0322	0326	0400	S08	E10	4201	06	4.9	38	SB			C		154	1.6	F
		04	0513*	0513*	0531	S10	E18	4201	06	5.6	18	SN					45	.6	DEKV
0073	LEAR	04	0513	0513	0522	S09	E18	4201	06	5.6	9	SF		3	C		25		
	ABST	04	0513	0514	0522	S08	E17	4201	06	5.5	9	SN			C	0514	87	.9	DKV
	PURP	04	0515E	0515	0543	S10	E18	4201	06	5.6	28D	SN			P	0515	35	.4	E
	LEAR	04	0527	0527	0538	S11	E17	4201	06	5.5	11	SF		3	C		33		
		04	05466	05486	0606	S10	E16	4201	06	5.4	20	SN					68	.9	D
0074	LEAR	04	0546	0548	0608	S11	E17	4201	06	5.5	22	SF		3	C		50		
	ABST	04	0552	0554	0605	S10	E15	4201	06	5.4	13	SN			C	0554	87	.9	D
0075	HTPR	04	0615	0615	0630	S10	E17	4201	06	5.5	15	SF			C	0615	30	.3	E
0076		04	06494	06521	0657	S10	E17	4201	06	5.6	8	SN					38	.4	DE
	HTPR	04	0649	0652	0700	S10	E18	4201	06	5.6	11	SN			C	0652	40	.4	E
	BUCA	04	0650E		0655	S10	E17	4201	06	5.6	5D	SN			C	0650	43	.5	D
	LEAR	04	0652	0653	0656	S10	E17	4201	06	5.6	4	SF		3	C		30		
	KANZ	04	0653	0653	0658	S08	E17	4201	06	5.6	5	SF		3					
0077	HTPR	04	0721	0723	0728	S10	E16	4201	06	5.5	7	SF			C	0723	20	.2	
0078		04	0750	08086	0829	S10	E16	4201	06	5.5	39	SF					30	.3	ET
	HTPR	04	0750	0808	0829	S10	E17	4201	06	5.6	39	SF			C	0808	30	.3	
	KHAR	04	0808E	0811	0828D	S09	E17	4201	06	5.6	20D	SF			P	0816	30	.3	T
	KHAR	04	0808E	0814	0841D	S10	E14	4201	06	5.4	33D	SF			P	0814	30	.3	ET
0079	KHAR	04	0904E	0908	0930D	S11	E06	4201	06	4.8	26D	SF			P	0908	45	.5	ELT
0080	KHAR	04	0913E	0914	0931D	S13	W45	4199	06	1.0	18D	SF			V	0914			D

H - ALPHA SOLAR FLARES

31
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0081		04	1020*	1028*	1156	S09 E12	4201		06	5.3	96	SN	C 2.1				75	.7	ELT
	KHAR	04	1010E	1053	1115D	S10 E13	4201		06	5.4	65D	SF			P	1014	30	.3	ELT
	HTPR	04	1020	1028	1120	S08 E15	4201		06	5.5	60	SF			C	1028	60	.6	
	RAMY	04	1049E	1129	1129D	S09 E15	4201		06	5.6	40D	SB	C 2.1	3	C		121		
	ATHN	04	1058	1104	1247	S10 E10	4201		06	5.2	109	SN		2	V	1104	127	1.4	
	KANZ	04	1129E	1129	1143	S09 E14	4201		06	5.5	14D	SB	C 2.1	1					
	HTPR	04	1142	1146	1152	S10 E08	4201		06	5.1	10	SF			C	1146	40	.4	
0082	HTPR	04	1148E		1547	S07 E25	4203A		06	6.4	239D	SF			C	1457	30	.3	E
0083		04	1316*	1331*	1412	S09 E12	4201		06	5.4	56	SN	C 3.1				79		FK
	HOLL	04	1315E	1332	1425D	S09 E13	4201		06	5.5	70D	SN	C 3.1	3	C		97		K
	HOLL	04	1315E	1415	1425D	S09 E13	4201		06	5.5	70D	SN		3	C		135		FK
	RAMY	04	1316	1331	1342	S09 E14	4201		06	5.6	26	SN	C 3.1	3	C		72		F
	RAMY	04	1358	1417	1443	S09 E11	4201		06	5.4	45	SB		3	C		47		F
	HOLL	04	1430E	1430U	1449D	S09 E11	4201		06	5.4	19D	SN		3	C		47		F
0084		04	1537*	15496	1610	S09 E11	4201		06	5.5	33	SN	C 2.3				51	.8	EF
	HTPR	04	1537		1651D	S10 E11	4201		06	5.5	74D	SF			C	1552	80	.8	E
	HOLL	04	1547	1549	1627D	S08 E12	4201		06	5.5	40D	SN	C 2.3	3	C		43		F
	RAMY	04	1553	1555	1610	S08 E10	4201		06	5.4	17	SN	C 2.3	3	C		30		
0085	HTPR	04	1616	1621	1624	S10 E24	4203A		06	6.5	8	SF			C	1621	20	.2	
		04	1657		1658	No Flare Patrol													
		04	1705		1724	No Flare Patrol													
		04	1749		1758	No Flare Patrol													
0086	HOLL	04	1751	1819	1836	S11 W58	4199		05	31.4	45	SF	C 1.9	3	C		33		F
		04	1802		1809	No Flare Patrol													
		04	1853		1906	No Flare Patrol													
		04	1920		2106	No Flare Patrol													
0087	HOLL	04	1950	1951	2031	S11 E05	4201		06	5.2	41	1B M	1.5	2	C		390		F
0088	HOLL	04	2046	2048	2057	S10 E03	4201		06	5.1	11	SN		2	C		33		F
0089	HOLL	04	2147	2148	2205	S14 E90	4204		06	11.7	18	SF	C 1.9	2	C		18		
0090		04	2229E	2316U	2329	S10 E08	4201		06	5.5	60D	SN	C 2.0				64		F
	PALE	04	2229E	2316U	2335	S10 E07	4201		06	5.5	66D	SF	C 2.0	3	C		79		F
	HOLL	04	2313E	2316U	2323	S10 E08	4201		06	5.6	10D	SN	C 2.0	2	C		48		F
0091	HOLL	05	0024	0025	0034	S10 E03	4201		06	5.2	10	SN	C 3.4	2	C		21		F
0092		05	0120	01214	0128	S08 E08	4201		06	5.6	8	SN					27		F
	LEAR	05	0120	0121	0124	S09 E08	4201		06	5.6	4	SF		3	C		24		
	HOLL	05	0120	0125	0131	S08 E07	4201		06	5.6	11	SN		2	C		30		F
0093		05	0330	0338*	0423	S10 W00	4201		06	5.1	53	1N	C 3.5				178	2.7	FHK
	LEAR	05	0330	0338	0423	S11 W00	4201		06	5.1	53	SN	C 3.5	3	C		96		
	ABST	05	0414E	0418	0443D	S08 W01	4201		06	5.1	29D	1N			P	0418	261	2.7	FHK
0094	LEAR	05	0609	0612	0621	S13 W62	4199		05	31.6	12	SF		3	C		17		
0095		05	0650*	0701*	0733	S09 E04	4201		06	5.6	43	SN	C 2.4				58	.6	EFK
	ISTA	05	0650		0834	S08 E05	4201		06	5.6	104	1B	C 2.4						F
	BUCA	05	0650	0705U	0730	S07 E06	4201		06	5.7	40	SN	C 2.4		P	0705	107	1.1	E
	PURP	05	0658	0701	0705	S11 E05	4201		06	5.7	7	SN	C 2.4		C	0701	35	.4	E
	LEAR	05	0658	0707	0717	S10 E02	4201		06	5.4	19	SN	C 2.4	3	C		61		F
	PEKG	05	0700E	0704	0733	S08 E05	4201		06	5.7	33D	SF	C 2.4		P	0704	59	.6	EK
	PEKG	05	0700E	0727	0733	S09 E05	4201		06	5.7	33D	SF	C 2.4		P	0727	50	.5	E
	KANZ	05	0711E	0711	0720	S08 E05	4201		06	5.7	9D	SN	C 2.4	3					
	LEAR	05	0724	0726	0730	S10 E02	4201		06	5.4	6	SN	C 2.4	3	C		33		F
0096		05	08407	08455	0910	S11 W01	4201		06	5.3	30	SN	C 3.4				57	.7	DEF
	CATA	05	0840	0845	0950	S11 W02	4201		06	5.2	70	S	C 3.4	2	C	0845	112	1.2	
	KHAR	05	0842	0846	0856	S11 E03	4201		06	5.6	14	SN	C 3.4		P	0846	20	.2	D
	LEAR	05	0846	0850	0857	S12 W02	4201		06	5.2	11	SN	C 3.4	3	C		40		FE
	KANZ	05	0847	0847	0857	S11 W02	4201		06	5.2	10	SN	C 3.4	1					

32
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0097		05	0842	0846*	0936D	S11 W10	4201		06	4.6	54D	SN					25	.2	D
	KHAR	05	0842	0846	0936D	S12 W10	4201		06	4.6	54D	SN		P		0846	30	.3	D
	KHAR	05	0909E	0909	0912D	S10 W10	4201		06	4.6	3D	SF		P		0909	20	.2	D
0098		05	0957	09576	1040D	S09 W08	4201		06	4.8	43D	SF					42	.4	DE
	KHAR	05	0947E	0957	1003D	S08 W07	4201		06	4.9	16D	SF		P		0957	30	.3	D
	KHAR	05	0957	1003	1040D	S10 W08	4201		06	4.8	43D	SF		P		1003	55	.6	E
0099	KHAR	05	0953	0957	1013	S13 W71	4199		05	31.0	20	SF		P		0957	20		
0100		05	1037E	10403	1050D	S09 E02	4201		06	5.6	13D	SF					15	.2	D
	KHAR	05	1037E	1040	1047D	S08 E01	4201		06	5.5	10D	SF		P		1040	10	.1	D
	KHAR	05	1040E	1043	1050D	S10 E04	4201		06	5.7	10D	SF		P		1043	20	.2	D
0101	KHAR	05	1138E	1138	1144D	S08 W01	4201		06	5.4	6D	SN		P		1138	30	.3	
0102		05	1158*	1208*	1233	S10 W02	4201		06	5.3	35	SN C 6.5					49	.8	F
	RAMY	05	1158	1208	1219	S11 W02	4201		06	5.3	21	SB C 6.5	3	C			55		
	KHAR	05	1158	1208	1234D	S11 W01	4201		06	5.4	36D	SN C 6.5		P		1208	80	.8	
	RAMY	05	1228	1228	1236	S11 W05	4201		06	5.1	8	SN C 1.8	3	C			23		F
	RAMY	05	1238	1240	1245	S08 W02	4201		06	5.4	7	SF C 1.7	3	C			39		
0103	RAMY	05	1258	1258	1313	S10 W03	4201		06	5.3	15	SF C 2.1	3	C			23		
0104		05	13125	1325*	1424	S10 W02	4201		06	5.4	72	SB C 5.0					86	.8	EFKZ
	HOLL	05	1312	1325	1438	S10 W01	4201		06	5.5	86	SB	3	C			90		K
	HOLL	05	1312	1336	1438	S10 W01	4201		06	5.5	86	SB C 5.0	3	C			84		ZFK
	RAMY	05	1317	1336	1436	S10 W04	4201		06	5.2	79	SB C 5.0	3	C			80		FEK
	RAMY	05	1317	1354	1436	S10 W04	4201		06	5.2	79	SN	3	C			96		K
	ATHN	05	1320E	1327	1335	S10 W01	4201		06	5.5	15D	SN	3	V		1327	80	.8	
0105	RAMY	05	1345	1348	1353	S08 E79	4204		06	11.5	8	SF C 2.7	3	C			22		
0106		05	1404*	1422*	1517	S08 E77	4204		06	11.3	73	SF C 2.2					24		K
	HOLL	05	1404	1430	1446	S09 E77	4204		06	11.4	42	SF	3	C			40		
	RAMY	05	1421	1422	1525	S08 E77	4204		06	11.4	64	SN	3	C			14		K
	RAMY	05	1421	1454	1525	S08 E77	4204		06	11.4	64	SF	3	C			17		K
	HOLL	05	1447	1503	1531	S09 E78	4204		06	11.5	44	SF C 2.2	3	C			24		
0107		05	14421	14431	1453	S11 W06	4201		06	5.2	11	SN C 2.5					38		F
	RAMY	05	1442	1444	1451	S12 W06	4201		06	5.2	9	SN C 2.5	3	C			47		F
	HOLL	05	1443	1443	1455	S10 W06	4201		06	5.2	12	SN C 2.5	3	C			30		F
0108		05	1539*	1544*	1726	S09 W01	4201		06	5.6	107	SB M 1.3					145		EFKU
	RAMY	05	1539	1544	1633	S09 W00	4201		06	5.6	54	SB M 1.3	3	C			151		FEK
	HOLL	05	1539	1544	1657	S09 W01	4201		06	5.6	78	SB M 1.3	3	C			162		FEK
	RAMY	05	1539	1624	1633	S09 W00	4201		06	5.6	54	SN	3	C			49		K
	HOLL	05	1539	1629	1657	S09 W01	4201		06	5.6	78	SN	3	C			33		K
	RAMY	05	1658	1710	1811D	S10 W03	4201		06	5.5	73D	SB	3	C			179		K
	RAMY	05	1658	1755	1811D	S10 W03	4201		06	5.5	73D	1B M 1.5	3	C			217		UFK
	PALE	05	1700	1705	1709D	S09 W02	4201		06	5.5	9D	SB	3	C			153		FE
	HOLL	05	1700E	1709	1847	S10 W01	4201		06	5.6	107D	SB	3	C			174		UFK
	HOLL	05	1700E	1757	1847	S10 W01	4201		06	5.6	107D	SB M 1.5	3	C			189		K
		05	1542*	1543*	1624	S12 W71	4199		05	31.3	42	SF					35		F
0109	HOLL	05	1542	1618	1632	S11 W72	4199		05	31.2	50	SN	3	C			69		F
	RAMY	05	1543	1543	1609	S12 W71	4199		05	31.3	26	SF	3	C			22		
	RAMY	05	1616	1618	1631	S14 W70	4199		05	31.4	15	SF	3	C			13		
0110	PALE	05	1803	1803	1819	S13 W73	4199		05	31.2	16	SF	3	C			24		
0111	HOLL	05	1845	1853	1857	S09 E73	4204		06	11.3	12	SF	3	C			24		
0112		05	1900	19327	2017	S10 W04	4201		06	5.5	77	SB M 1.0					142		KU
	HOLL	05	1900	1932	2017	S10 W04	4201		06	5.5	77	SN	3	C			130		K
	HOLL	05	1900	1939	2017	S10 W04	4201		06	5.5	77	SB M 1.0	3	C			154		UK
0113	HOLL	05	1931	1932	1944	S11 W72	4199		05	31.4	13	SF	3	C			19		

H - ALPHA SOLAR FLARES

33
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0114	HOLL	05	1936	1940	2026	S09	E73	4204	06	11.3	50	SN		3	C		71		
0115	HOLL	05	1958	2004	2020	S11	W72	4199	05	31.4	22	SN		3	C		49		
0116		05	2124	21248	2144	S09	W13	4201	06	4.9	20	SB	C 3.0				32		K
	HOLL	05	2124	2124	2144	S09	W13	4201	06	4.9	20	SB	C 3.0	3	C		31		K
	HOLL	05	2124	2132	2144	S09	W13	4201	06	4.9	20	SN		3	C		33		K
0117	HOLL	05	2158	2201	2232	S11	W74	4199	05	31.3	34	SN		3	C		22		
0118	HOLL	05	2217	2220	2225	S09	W09	4201	06	5.2	8	SN		3	C		34		
0119		05	2248	2248*	2312D	S10	W07	4201	06	5.4	24D	SB	C 6.6				48		KUZ
	HOLL	05	2248	2248	2312D	S10	W07	4201	06	5.4	24D	SN		3	C		35		K
	HOLL	05	2248	2309	2312D	S10	W07	4201	06	5.4	24D	SB	C 6.6	3	C		62		ZUK
0120		06	0022	0020*	0122	S10	W10	4201	06	5.3	60	SN	C 5.0				55	.7	DEZ
	PEKG	06	0020E	0020	0030D	S08	W11	4201	06	5.2	10D	SF			P	0020	59	.6	E
	HOLL	06	0022	0043	0122	S10	W09	4201	06	5.3	60	SB	C 5.0	3	C		35		ZE
	PURP	06	0058E	0058	0058D	S12	W10	4201	06	5.3	60D	SN			C	0058	71	.8	D
0121		06	0020	0021	0049	S16	W07	4203	06	5.5	29	SN					58		FH
	HOLL	06	0020	0021	0030	S16	W07	4203	06	5.5	10	SF		3	C		84		
	LEAR	06	0020	0021	0108	S16	W07	4203	06	5.5	48	SN		3	C		31		FH
0122		06	0237*	0140*	0331	S11	W09	4201	06	5.4	54	SN	C 8.4				72	.7	DEFKUZ
	PALE	06	0138E	0201	0351	S11	W10	4201	06	5.3	133D	SF		3	C		81		K
	PALE	06	0138E	0224U	0351	S11	W10	4201	06	5.3	133D	SN	C 8.4	3	C		54		ZFK
	PEKG	06	0139E	0140	0220D	S10	W10	4201	06	5.3	41D	SF			P	0140	67	.7	EK
	PEKG	06	0139E	0159	0220D	S10	W09	4201	06	5.4	41D	SF			P	0159	76	.8	E
	PURP	06	0237	0238	0248	S13	W08	4201	06	5.5	11	SN			P	0238	35	.4	D
	LEAR	06	0304E	0309	0335	S11	W10	4201	06	5.4	31D	SN		3	C		105		F
	PEKG	06	0305	0313	0420D	S09	W09	4201	06	5.4	75D	SN			P	0313	88	.9	FU
0123	LEAR	06	0338	0342	0350	S12	W77	4199	05	31.3	12	SF		3	C				
0124		06	0400*	0427*	0517	S11	W11	4201	06	5.3	77	SN	C 8.4				104	1.2	DEFKV
	ABST	06	0400	0428	0518D	S11	W11	4201	06	5.3	78D	SN	C 8.4		P	0428	105	1.1	FK
	LEAR	06	0417	0427	0457	S11	W11	4201	06	5.3	40	SB	C 8.4	3	C		83		F
	PURP	06	0431E	0431	0447	S13	W09	4201	06	5.5	16D	SN			P	0431	99	1.1	
	PEKG	06	0435	0436	0448	S11	W11	4201	06	5.4	13	SN			P	0436	101	1.1	E
	LEAR	06	0516	0516	0602	S11	W09	4201	06	5.5	46	SB	M 1.3	3	C		103		FK
	ABST	06	0546	0547	0554	S11	W15	4201	06	5.1	8	SN			C	0547	131	1.4	DV
0125	ABST	06	0525E	0532	0550D	S04	W11	4201	06	5.4	25D	SF			P	0532	87	.9	D
0126	LEAR	06	0614	0616	0622	S13	W76	4199	05	31.5	8	SF		3	C		15		
0127	ABST	06	0643E	0644	0650D	S11	W13	4201	06	5.3	7D	SB			P	0644	87	.9	EJ
0128	LEAR	06	0728	0730	0734	S10	W13	4201	06	5.3	6	SF		3	C		31		
0129		06	0742*	0754*	0839	S10	W11	4201	06	5.5	57	SN	M 1.5				159	1.7	DEFTU
	PEKG	06	0742	0755	0823	S10	W13	4201	06	5.3	41	SF	M 1.5		P	0755	84	.9	E
	LEAR	06	0746	0754	0855	S10	W13	4201	06	5.3	69	SB	M 1.5	3	C		147		FE
	KAND	06	0749	0757	0817	S12	W11	4201	06	5.5	28	SN	M 1.5		C		21	.2	DT
	ISTA	06	0750		0820	S08	W15	4201	06	5.2	30	SN	M 1.5						E
	PURP	06	0756E	0756	0837D	S12	W11	4201	06	5.5	41D	2N	M 1.5		C	0756	552	5.9	
	ATHN	06	0756	0757	0852	S08	W10	4201	06	5.6	56	SB	M 1.5	2	V	0757	127	1.4	
	KHAR	06	0808E	0827	0834D	S10	W10	4201	06	5.6	26D	1N			P	0827	220	2.4	ET
	PEKG	06	0826E	0826	0835	S10	W12	4201	06	5.4	9D	SN			C	0826	101	1.1	EU
	KAND	06	0827	0829	0833	S08	W12	4201	06	5.4	6	SB			C		42	.4	DT
	PEKG	06	0840	0842	0919	S10	W10	4201	06	5.6	39	SN			C	0842	139	1.5	E
	KHAR	06	0920E		0953D	S11	W09	4201	06	5.7	33D	SF			P				T
0130		06	1244	1244	1312	S12	W14	4201	06	5.5	28	SN	C 7.1				58	1.2	T
	KHAR	06	1043E		1123D	S12	W13	4201	06	5.5	40D	SF			P	1053	80	1.2	T
	RAMY	06	1244	1244	1312	S11	W14	4201	06	5.5	28	SN	C 7.1	3	C		35		

34
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0131		06	13297	1331*	1523	S11	W15	4201	06	5.4	114	1B	X 1.4				232	2.2	DEKTUZ
	RAMY	06	1329	1334	1539	S11	W17	4201	06	5.3	130	SB		3	C		101		K
	RAMY	06	1329	1342	1539	S11	W17	4201	06	5.3	130	1B	X 1.4	3	C		470		ZUK
	ATHN	06	1330	1331	1433	S09	W16	4201	06	5.4	63	1B		3	V	1331	366	3.9	
	HOLL	06	1331	1351	1532	S11	W15	4201	06	5.4	121	1B	X 1.4	3	C		373		ZUK
	HOLL	06	1331	1439	1532	S11	W15	4201	06	5.4	121	SB		3	C		79		K
	KAND	06	1336	1344U	1352D	S12	W11	4201	06	5.7	16D	SB			C		17	.2	DT
	KHAR	06	1338E	1338	1406D	S11	W16	4201	06	5.4	28D	1B			P	1347	220	2.5	ET
0132	HOLL	06	1344	1350	1418	S12	E60	4204	06	11.1	34	SF		3	C		33		
0133	HOLL	06	1402	1404	1409	S13	W79	4199	05	31.6	7	SF		3	C		11		
0134		06	1520	1522	1705	S20	W12	4203	06	5.7	105	SF					66	.8	E
	HOLL	06	1520	1522	1705	S19	W15	4203	06	5.5	105	SF		3	C		53		
	HTPR	06	1522E		1527D	S20	W10	4203	06	5.9	5D	SF			C	1522	80	.8	E
0135	HTPR	06	1522E		1527D	S08	W17	4201	06	5.4	5D	SN			C	1522	100	1.0	EI
0136	RAMY	06	1539	1545	1558	S19	W16	4203	06	5.4	19	SF		3	C		26		
0137	HOLL	06	1543	1546	1554	S09	W15	4201	06	5.5	11	SN		3	C		48		F
0138	RAMY	06	1714	1716	1724	S11	W18	4201	06	5.4	10	SN		3	C		29		
0139		06	1723	17231	1732	S12	W86	4199	05	31.2	9	SF					15		
	RAMY	06	1723	1723	1734	S12	W90	4199	05	31.0	11	SF		3	C		12		
	HOLL	06	1723	1724	1729	S11	W83	4199	05	31.5	6	SF		3	C		18		
0140		06	1737*	1737*	1812	S10	W18	4201	06	5.4	35	SB	M 1.7				80		EFK
	RAMY	06	1737	1737	1746D	S09	W19	4201	06	5.3	9D	SN		3	C		30		K
	RAMY	06	1737	1744	1758D	S11	W19	4201	06	5.3	21D	SB	M 1.7	3	C		119		FE
	PALE	06	1742	1744	1822	S09	W20	4201	06	5.2	40	SB	M 1.7	3	C		125		
	HOLL	06	1743	1744	1801	S11	W18	4201	06	5.4	18	SB	M 1.7	3	C		102		E
	HOLL	06	1802	1807	1812	S09	W16	4201	06	5.5	10	SN		3	C		24		
0141		06	17551	17574	1806	S14	E57	4204	06	11.0	11	SF					36		
	RAMY	06	1755	1757	1804	S13	E57	4204	06	11.0	9	SF		3	C		38		
	HOLL	06	1756	1801	1809	S15	E57	4204	06	11.1	13	SF		3	C		34		
0142		06	18121	18161	1823	S18	W18	4203	06	5.4	11	SF					48		
	RAMY	06	1812	1817	1818D	S19	W18	4203	06	5.4	6D	SF		3	C		54		
	HOLL	06	1813	1816	1823	S18	W18	4203	06	5.4	10	SF		3	C		42		
		06	2103		2109	No Flare Patrol													
0143	HOLL	06	2128	2131U	2216D	S09	W16	4201	06	5.7	48D	SN	C 6.6	2	C		52		F
		06	2138		2156	No Flare Patrol													
		06	2206		2215	No Flare Patrol													
0144	HOLL	06	2225	2228	2301	S08	E59	4204	06	11.3	36	SN		2	C		68		F
0145	HOLL	06	2250	2252	2258	S20	W20	4203	06	5.4	8	SN		2	C		46		
0146		07	0024*	0046*	0130	S10	W19	4201	06	5.6	66	SN	C 8.0				169	4.6	EF
	MITK	07	0024	0046	0148	S09	W18	4201	06	5.7	84	1N	C 8.0		C	0046	420	4.6	E
	HOLL	07	0104E	0114U	0121	S09	W17	4201	06	5.8	17D	SN		2	C		43		F
	LEAR	07	0113	0116	0122	S11	W22	4201	06	5.4	9	SF		2	C		43		F
0147		07	01021	0106	0117	S19	W20	4203	06	5.5	15	SF					203	5.0	DF J
	VORO	07	0102	0106	0113	S19	W19	4203	06	5.6	11	1F			C	0106	439	5.0	DJ
	LEAR	07	0103	0106	0120	S20	W22	4203	06	5.4	17	SF		2	C		89		
	HOLL	07	0104E	0107U	0117	S18	W20	4203	06	5.5	13D	SF		2	C		82		F
0148	PEKG	07	0230E	0233	0300	S09	W21	4201	06	5.5	30D	SF			P	0233	46	.5	E
0149		07	0233*	02571	0322	S09	E58	4204	06	11.4	49	SF					111	3.6	DJ
	PALE	07	0233	0257	0327	S08	E57	4204	06	11.4	54	SF		3	C		95		
	LEAR	07	0240	0258	0318	S09	E56	4204	06	11.3	38	SF		2	C		49		
	VORO	07	0250		0300D	S09	E60	4204	06	11.6	10D	1F			C	0255	188	3.6	DJ

H - ALPHA SOLAR FLARES

35
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0150	PEKG	07	0344	0348	0353	S08	W31	4201	06	4.8	9	SF			P	0348	34	.4	D
0151		07	0419*	0420*	0434	S09	W23	4201	06	5.4	15	SN	C 4.0				97	1.3	DEFJ
	LEAR	07	0419	0420	0428	S10	W22	4201	06	5.5	9	SF	C 4.0	2	C		65		F
	PEKG	07	0420E	0421	0430	S09	W23	4201	06	5.4	100	SN	C 4.0		P	0421	97	1.1	E
	TACH	07	0420E	0422	0434D	S08	W23	4201	06	5.4	140	IN	C 4.0		C	0422	184	2.2	EJ
	PEKG	07	0440	0442	0445	S10	W23	4201	06	5.5	5	SF			C	0442	42	.5	D
0152	PEKG	07	0522	0525	0532	S07	W32	4201	06	4.8	10	SF			C	0525	50	.6	E
0153		07	05492	0553*	0624	S09	E55	4204	06	11.4	35	SF					54	1.5	
	LEAR	07	0549	0553	0629	S09	E54	4204	06	11.3	40	SF		3	C		28		
	HTPR	07	0551	0615	0620	S09	E56	4204	06	11.4	29	SF			C	0615	80	1.5	
0154		07	0718	07202	0726	S10	W25	4201	06	5.4	8	SF					36	.3	EF
	LEAR	07	0718	0720	0727	S10	W25	4201	06	5.4	9	SF		3	C		42		F
	PEKG	07	0722E	0722	0725	S09	W25	4201	06	5.4	30	SF			P	0722	29	.3	E
0155	LEAR	07	0737	0739	0748	S11	W25	4201	06	5.4	11	SN	C 2.3	3	C		21		F
0156	HTPR	07	0737	0741	0800	S18	W25	4203	06	5.4	23	SF	C 2.3		C	0741	50	.6	E
0157	HTPR	07	0755	0802	0809	S08	W34	4201	06	4.8	14	SF			C	0802	20	.2	
0158		07	08357	0842*	0920	S11	W25	4201	06	5.5	45	SF	C 3.4				41	.6	EF
	HTPR	07	0835	0842	0920	S12	W25	4201	06	5.5	45	SF	C 3.4		C	0842	40	.4	E
	LEAR	07	0840	0843	09100	S12	W26	4201	06	5.4	300	SF	C 3.4	3	C		20		F
	PEKG	07	0842	0852	09250	S10	W24	4201	06	5.5	430	SF	C 3.4		P	0852	63	.7	E
0159	HTPR	07	1020	1020	1024	S09	W21	4201	06	5.8	4	SF			C	1020	20	.2	
0160	HTPR	07	1102	1113	1230	S10	W22	4201	06	5.8	88	SF			C	1113	40	.4	
0161	RAMY	07	1201	1201	1210	S10	E68	4205	06	12.6	9	SF		3	C		12		
0162		07	13392	13411	1358	S18	W27	4203	06	5.5	19	SF					21		
	HOLL	07	1339	1342	1358	S17	W29	4203	06	5.4	19	SF		3	C		21		
	KANZ	07	1341	1341	1358	S20	W25	4203	06	5.6	17	SF		1					
0163		07	14119	1412*	1438	S09	W33	4201	06	5.1	27	SN	C 6.7				50	.7	EFK
	HTPR	07	1411	1412	1440	S10	W34	4201	06	5.0	29	SN	C 6.7		C	1412	60	.7	E
	HOLL	07	1412	1412	1441	S08	W31	4201	06	5.3	29	SN	C 6.7	3	C		69		FK
	HOLL	07	1412	1427	1441	S08	W31	4201	06	5.3	29	SN		3	C		28		K
	KANZ	07	1415	1415	1430	S10	W34	4201	06	5.0	15	SF	C 6.7	1					
	RAMY	07	1420	1427	1439	S09	W36	4201	06	4.9	19	SN		3	C		43		
0164		07	15032	1508*	1524	S12	W35	4201	06	5.0	21	SN	C 5.0				48	.7	EFI
	HTPR	07	1503	1509	1535	S11	W30	4201	06	5.4	32	SF	C 5.0		C	1509	60	.7	EI
	HOLL	07	1504	1508	1514	S10	W35	4201	06	5.0	10	SN	C 5.0	3	C		37		F
	KANZ	07	1505	1535	15540	S14	W40	4201	06	4.6	490	SN		1					
0165	HTPR	07	1600	1604	1610	S06	E42	4204	06	10.8	10	SF			C	1604	20	.3	E
0166		07	16163	1617	1625	S12	E70	4205	06	12.9	9	SF					25	.6	
	HTPR	07	1616	1617	1625	S13	E70	4205	06	12.9	9	SF			C	1617	20	.5	
	HTPR	07	1619		16290	S10	E70	4205	06	12.9	100	SF			C	1625	30	.7	
0167	HTPR	07	1617		16290	S05	W27	4201	06	5.6	120	SF			C	1618	20	.2	
0168		07	1646	1647	1700	S10	W30	4201	06	5.4	14	SN	C 3.0				27		
	HOLL	07	1646	1647	1653	S10	W28	4201	06	5.6	7	SN	C 3.0	3	C		22		
	RAMY	07	1646	1647	1707	S10	W33	4201	06	5.2	21	SN	C 3.0	3	C		32		
0169	HOLL	07	1719	1720	1725	S07	W36	4201	06	5.0	6	SN	C 3.0	3	C		29		F
0170		07	19014	19034	1936	S10	W31	4201	06	5.5	35	SN	C 4.0				70		F
	HOLL	07	1901	1903	1932	S10	W30	4201	06	5.5	31	SN	C 4.0	3	C		53		F
	PALE	07	1905	1907	1940	S11	W32	4201	06	5.4	35	SF	C 4.0	3	C		88		F

36
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	X-ray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	Apparent (10 ⁻⁶ Disk)			
0171		07	2039	2041*	2131	S10	W31	4201	06	5.5	52	SB	M 1.2					179		FK
	HOLL	07	2039	2041	2131	S10	W31	4201	06	5.5	52	SB		3	C		102		K	
	HOLL	07	2039	2053	2131	S10	W31	4201	06	5.5	52	SB	M 1.2	3	C		118		FK	
	PALE	07	2047E	2057U	2117D	S11	W32	4201	06	5.4	30D	IN	M 1.2	3	C		318		F	
0172	HOLL	07	2155	2158	2206	S09	W33	4201	06	5.4	11	SN		3	C		56		F	
0173	PEKG	07	2306	2306	2505	S09	E45	4204	06	11.3	119	SF			C	2306	50	.7	E	
0174		08	00151	00152	0034	S10	E42	4204	06	11.2	19	SN					24		F	
	LEAR	08	0015	0015	0023	S10	E42	4204	06	11.2	8	SF		2	C		21		F	
	HOLL	08	0016	0017	0044	S10	E43	4204	06	11.2	28	SN		3	C		26			
0175		08	0037*	0103*	0311	S10	W38	4201	06	5.2	154	SN	C 8.6				77	1.1	DEF JKZ	
	LEAR	08	0037	0110	0350	S10	W37	4201	06	5.2	193	SN		3	C		75		K	
	LEAR	08	0037	0124	0350	S10	W37	4201	06	5.2	193	SN	C 8.6	3	C		109		ZFK	
	PALE	08	0039E	0125U	0316D	S10	W38	4201	06	5.2	157D	SN	C 8.6	3	C		100		ZF	
	HOLL	08	0101	0103	0144D	S10	W36	4201	06	5.3	43D	SN		2	C		29		K	
	PEKG	08	0101	0110	0145	S10	W39	4201	06	5.1	44	SN			C	0110	55	.7	EZ	
	HOLL	08	0101	0117	0144D	S10	W36	4201	06	5.3	43D	SN		2	C		41		FK	
	VORO	08	0102		0129D	S11	W40	4201	06	5.0	27D	SN			C	0125	152	2.0	DJ	
	MANI	08	0134E	0137	0206	S10	W39	4201	06	5.1	32D	SN		1	V		95	1.3	F	
	PEKG	08	0335E	0350	0424	S10	W37	4201	06	5.4	49D	SF			P	0350	34	.4	D	
0176	CULG	08	0058E	0100	0104	S10	E64	4205	06	12.8	6D	SF			P	0100	20	.3		
0177		08	06003	0605*	0631	S09	W35	4201	06	5.6	31	SN	C 8.8				142	1.8	EF	
	PEKG	08	0600	0606	0620	S09	W36	4201	06	5.5	20	SN	C 8.8		C	0606	126	1.6	E	
	CULG	08	0602	0605	0614D	S10	W34	4201	06	5.7	12D	SN	C 8.8		P	0605	90	1.0	F	
	LEAR	08	0603	0605	0632	S09	W34	4201	06	5.7	29	SB	C 8.8	2	C		115		F	
	MANI	08	0604E	0605	0617D	S09	W34	4201	06	5.7	13D	SN	C 8.8	1	V		110	1.4	F	
	KANZ	08	0616E	0616	0636	S09	W34	4201	06	5.7	20D	SN	C 8.8	3						
	PURP	08	0616E	0623U	0635	S10	W35	4201	06	5.6	19D	SN	C 8.8		P	0623	156	2.0		
	CATA	08	0620E	0620	0620D	S09	W36	4201	06	5.6	19D	1	C 8.8	2	P	0620	253	3.3		
0178	KANZ	08	0717	0717	0722	S04	E34	4204	06	10.8	5	SF		3						
0179		08	07426	0744*	0814	S10	E38	4204	06	11.2	32	SN	C 5.4				84	1.1	EF	
	HTPR	08	0742	0744	0817	S10	E39	4204	06	11.2	35	SN	C 5.4		C	0744	50	.6	E	
	CATA	08	0745E	0745	0805D	S10	E38	4204	06	11.2	20D	S	C 5.4	2	P	0745	140	1.9		
	LEAR	08	0745	0747	0825	S10	E39	4204	06	11.2	40	SN	C 5.4	2	C		103		F	
	KANZ	08	0746	0746	0811	S09	E38	4204	06	11.2	25	SN	C 5.4	3						
	PEKG	08	0748	0755	0800D	S10	E38	4204	06	11.2	12D	SN			C	0755	59	.8	E	
	PURP	08	0752E	0754	0804	S11	E39	4204	06	11.3	12D	SN			C	0754	71	1.0	E	
0180	HTPR	08	0820	0823	0827	S10	W32	4201	06	5.9	7	SF			C	0823	60	.7		
0181		08	0943*	10037	1100	S14	W43	4201	06	5.1	77	1N					150	2.0	EI	
	HTPR	08	0943	1010	1100	S13	W43	4201	06	5.2	77	SN			C	1010	150	2.0	EI	
	KANZ	08	1003	1003	1042D	S15	W43	4201	06	5.2	39D	1N		1						
0182		08	11156	1136*	1228	S12	W46	4201	06	5.0	73	SN	M 1.3				148	1.2	EFK	
	RAMY	08	1102E	1136	1325D	S10	W43	4201	06	5.2	143D	SN		3	C		74		K	
	RAMY	08	1102E	1323U	1325D	S10	W43	4201	06	5.2	143D	1N	M 1.3	3	C		291		FK	
	HTPR	08	1115	1200	1305	S13	W48	4201	06	4.8	110	SF			C	1200	80	1.2	E	
	KANZ	08	1121	1136	1151	S13	W49	4201	06	4.8	30	SF		1						
0183	HTPR	08	1120	1121	1125	S18	W36	4203	06	5.7	5	SF			C	1121	20	.2		
0184	HTPR	08	1220	1222	1235	S17	W38	4203	06	5.6	15	SF			C	1222	60	.8	E	
0185	RAMY	08	1221	1222	1229	S10	E37	4204	06	11.3	8	SF		3	C		27		F	
0186		08	1235*	13044	1353	S09	W39	4201	06	5.6	78	1N					212	2.1	EF I	
	HTPR	08	1235	1308	1346	S09	W40	4201	06	5.5	71	1N			C	1308	160	2.1	EI	
	HOLL	08	1248	1306	1404	S08	W38	4201	06	5.7	76	1B		2	C		264		F	
	KANZ	08	1249	1304	1348	S09	W39	4201	06	5.6	59	1N		1						

H - ALPHA SOLAR FLARES

37
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement (10 ⁻⁶ Disk)	Apparent Disk	Corr (Sq Deg)	Remarks
0187	RAMY	08	1632	1635	1644	S07	W46	4201	06	5.2	12	SN		3	C		59			
0188		08	2057*	2107*	2151	S09	W48	4201	06	5.3	54	SN	C 2.1				49			FK
	HOLL	08	2057	2107	2111	S08	W45	4201	06	5.5	14	SN		3	C		30			
	HOLL	08	2118	2118	2211	S10	W50	4201	06	5.1	53	SN		3	C		91			K
	HOLL	08	2118	2153	2211	S10	W50	4201	06	5.1	53	SN	C 2.1	3	C		27			FK
0189		08	2253*	2306	2302	S10	W42	4201	06	5.8	9	SN					20		.2	
	CULG	08	2253	2254U	2256	S10	W45	4201	06	5.6	3	SF			P	2254	20		.3	
	CULG	08	2306	2306	2309	S11	W40	4201	06	5.9	3	SN			C	2306	20		.2	
0190		09	0210	0213*	0255	S09	W46	4201	06	5.6	45	SN	C 4.9				151		2.2	EF
	PALE	09	0210	0213	0249	S09	W46	4201	06	5.6	39	SN	C 4.9	3	C		153			F
	LEAR	09	0210	0213	0306	S09	W46	4201	06	5.6	56	SN	C 4.9	3	C		155			F
	MITK	09	0210	0223	0248	S10	W47	4201	06	5.5	38	SN			C	0223				E
	PURP	09	0215E	0218U	0238	S11	W45	4201	06	5.7	230	1N	C 4.9		C	0218	170		2.5	
	PEKG	09	0234E	0234	0316	S07	W47	4201	06	5.6	420	SF			P	0234	126		1.9	E
0191	LEAR	09	0231	0232	0307	S10	E28	4204	06	11.2	36	SF		3	C		29			
0192	LEAR	09	0338	0339	0343	S07	E30	4204	06	11.4	5	SF		3	C		24			
0193	LEAR	09	0343	0344	0350	S22	W47	4203	06	5.5	7	SF		3	C		37			
0194	LEAR	09	0408	0411	0420	S10	E27	4204	06	11.2	12	SF		3	C		23			
0195	LEAR	09	0541	0542	0603	S18	W49	4203	06	5.5	22	SF		3	C		34			
0196	HTPR	09	0811	0815	0830	S10	E47	4205	06	12.9	19	SF			C	0815	30		.5	
0197	HTPR	09	1006	1009	1032	S10	E26	4204	06	11.4	26	SF			C	1009	20		.2	
0198		09	10151	10154	1047	S10	W52	4201	06	5.5	32	SF					71		1.2	E
	CATA	09	1015	1015	1040	S09	W52	4201	06	5.5	25	S		2	C	1015	112		1.9	
	HTPR	09	1016	1019	1054	S10	W51	4201	06	5.6	38	SF			C	1019	30		.5	E
0199	RAMY	09	1106	1113	1127	S06	W60	4201	06	5.0	21	SN	C 1.0	3	C		30			
0200		09	13104	1316	1326	S10	E44	4205	06	12.8	16	SF					28		.4	
	HTPR	09	1310	1316	1332	S10	E45	4205	06	12.9	22	SF			C	1316	30		.4	
	HOLL	09	1314	1316	1321	S10	E43	4205	06	12.8	7	SF		1	C		25			
0201	RAMY	09	1342	1356	1356	S06	W55	4201	06	5.4	14	SF		3	C		22			
0202	HOLL	09	1432	1433	1440	S06	W65	4201	06	4.7	8	SF		3	C		23			
0203		09	1622	1630*	1654	S12	E16	4204	06	10.9	32	SN					32			FK
	HOLL	09	1622	1630	1654	S12	E16	4204	06	10.9	32	SN		3	C		35			FK
	HOLL	09	1622	1649	1654	S12	E16	4204	06	10.9	32	SF		3	C		28			K
		09	1650		1702	No Flare Patrol														
0204	HOLL	09	1658	1703	1725	S10	E21	4204	06	11.3	27	SN		3	C		34			
0205	HOLL	09	1659	1700	1705	S15	W57	4203	06	5.4	6	SF		3	C		21			
		09	1708		1757	No Flare Patrol														
0206	HOLL	09	1820E	1820U	1849	S09	E20	4204	06	11.3	290	SN	C 2.2	3	C		43			F
		09	1838		1842	No Flare Patrol														
		09	1902		1917	No Flare Patrol														
0207	HOLL	09	1918E	1918U	1929D	S11	E25	4204	06	11.7	110	SF		3	C		19			
		09	1930		1955	No Flare Patrol														
0208	HOLL	09	2048	2053	2101	S12	W62	4201	06	5.2	13	1B	C 2.6	3	C		215			EF

38
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0209		09	2158	2202	2229	S08	E23	4204	06	11.6	31	SB	M 1.8				116		H
	HOLL	09	2158	2202	2229	S08	E23	4204	06	11.6	31	SB	M 1.8	3	C		117		H
	PALE	09	2202E	2202U	2214D	S08	E23	4204	06	11.6	12D	SN	M 1.8	3	C		116		
0210	HOLL	10	0105	0110	0115D	S10	E16	4204	06	11.2	10D	SF	C 1.3	3	C		24		
0211	HOLL	10	0112	0112	0124D	S10	W61	4201	06	5.5	12D	SF	C 1.3	3	C		19		
0212		10	02124	02152	0233	S10	E16	4204	06	11.3	21	SF	C 3.0				66	.6	EF
	LEAR	10	0212	0215	0229	S10	E15	4204	06	11.2	17	SN	C 3.0	2	C		92		F
	PEKG	10	0215E	0217	0245	S10	E16	4204	06	11.3	30D	SF	C 3.0		P	0217	50	.5	E
	PALE	10	0216E	0216U	0232	S09	E16	4204	06	11.3	16D	SF	C 3.0	3	C		44		
	PURP	10	0216	0217	0226	S10	E15	4204	06	11.2	10	SF	C 3.0		C	0217	78	.8	E
		10	0359		0446	No Flare Patrol													
0213	LEAR	10	0510	0511	0515	S14	W65	4201	06	5.3	5	SF		3	C		30		
0214		10	06132	0624	0648	S10	E14	4204	06	11.3	35	SN					68	.7	E
	HTPR	10	0613	0624	0652	S10	E14	4204	06	11.3	39	SF			C	0624	30	.3	E
	BUCA	10	0615	0625U	0645	S09	E13	4204	06	11.2	30	SN			P	0625	107	1.1	E
0215		10	07535	0810*	0901	S11	E12	4204	06	11.2	68	SN					68	.6	F
	LEAR	10	0753	0810	0901D	S11	E12	4204	06	11.2	68D	SN		3	C		110		F
	KANZ	10	0758	0813	0904	S11	E12	4204	06	11.2	66	SN		1					
	HTPR	10	0805E		0811D	S11	E12	4204	06	11.2	6D	SF			C	0807	20	.2	
	HTPR	10	0819E		0855	S11	E12	4204	06	11.2	36D	SN			C	0827	30	.3	
	CATA	10	0820E	0830	0905	S12	E11	4204	06	11.2	45D	S		2	P	0830	112	1.2	
0216		10	0805E		0850	S13	E08	4206B	06	10.9	45D	SN					20	.2	
	HTPR	10	0805E		0811D	S13	E08	4206B	06	10.9	6D	SF			C	0811	20	.2	
	HTPR	10	0819E		0850	S13	E08	4206B	06	10.9	31D	SN			C	0820	20	.2	
0217	KANZ	10	0934	0954	1048D	S13	W72	4201	06	5.0	74D	SN		1					
0218		10	1259*	1316*	1355	S10	E13	4204	06	11.5	56	SN	C 3.6				74	.6	DEFK
	HOLL	10	1255E	1318	1409	S08	E15	4204	06	11.7	74D	SF		3	C		34		K
	HOLL	10	1255E	1333	1409	S08	E15	4204	06	11.7	74D	SB		3	C		97		FK
	RAMY	10	1259	1332	1410	S09	E15	4204	06	11.7	71	SB	C 3.6	3	C		175		F
	MONT	10	1312	1316	1323	S09	E15	4204	06	11.7	11	SF	C 3.6		C	1316	50		D
	HTPR	10	1316E		1409	S13	E11	4204	06	11.4	53D	SF			C	1329	40	.4	
	HTPR	10	1316E		1440D	S11	E06	4204	06	11.0	84D	SF			C	1350	20	.2	
	HTPR	10	1329	1332	1348	S08	E16	4204	06	11.8	19	SB			C	1332	100	1.0	E
	ATHN	10	1333E	1336	1337	S10	E12	4204	06	11.5	4D	SN		3	V	1336	80	.9	
0219	KANZ	10	1256	1311	1316D	S08	W74	4201	06	5.0	20D	SF		1					
0220		10	1422	1423	1438	S10	E07	4204	06	11.1	16	SN	C 8.1				70	.8	EF
	RAMY	10	1422	1423	1436	S10	E07	4204	06	11.1	14	SB	C 8.1	3	C		70		FE
	HTPR	10	1422	1423	1441	S10	E08	4204	06	11.2	19	SN	C 8.1		C	1423	80	.8	EF
	HOLL	10	1423E	1423U	1438	S09	E07	4204	06	11.1	15D	SN	C 8.1	3	C		60		F
0221	HTPR	10	1455	1500	1505	S10	W60	4201	06	6.1	10	SF			C	1500	20	.4	
0222	HTPR	10	1527	1528	1540	S11	E03	4204	06	10.9	13	SF			C	1528	40	.4	E
0223		10	17465	17527	1811	S08	E11	4204	06	11.6	25	SB	M 1.2				134		EK
	RAMY	10	1746	1753	1820D	S09	E11	4204	06	11.6	34D	SB	M 1.2	3	C		93		K
	RAMY	10	1746	1759	1820D	S09	E11	4204	06	11.6	34D	IB	M 1.2	3	C		260		K
	HOLL	10	1749	1752	1819	S08	E12	4204	06	11.6	30	SB		4	C		79		K
	HOLL	10	1749	1759	1819	S08	E12	4204	06	11.6	30	IB	M 1.2	4	C		212		EK
	PALE	10	1751	1752	1755	S07	E11	4204	06	11.6	4	SB		3	C		28		
0224	HOLL	10	1923	1923	1929	S17	W70	4203	06	5.5	6	SF		3	C		27		
0225	HOLL	10	2044	2048	2055	S08	E10	4204	06	11.6	11	SN	C 2.6	3	C		46		F
0226		10	2116	2117*	2210	S10	E05	4204	06	11.3	54	SN	C 2.6				74	.9	EFJK
	HOLL	10	2116	2117	2227	S10	E04	4204	06	11.2	71	SN		3	C		69		K
	VORO	10	2116	2120	2136	S10	E06	4204	06	11.3	20	SF			C	2120	90	.9	EJ
	HOLL	10	2116	2153	2227	S10	E04	4204	06	11.2	71	SN	C 2.6	3	C		64		FK

H - ALPHA SOLAR FLARES

39
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	(Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0227		11	00082	00111	0022	S08	E08	4204	06	11.6	14	SB	C 5.0				72		E
	HOLL	11	0008	0011	0022	S08	E08	4204	06	11.6	14	SB	C 5.0	3	C		75		E
	LEAR	11	0010	0012	0023	S09	E08	4204	06	11.6	13	SN	C 5.0	2	C		70		
0228	LEAR	11	0149	0154	0211	S08	E07	4204	06	11.6	22	SF	C 1.9	3	C		73		
0229	LEAR	11	0228	0230	0251	S08	E05	4204	06	11.5	23	SF		3	C		48		
0230	YUNN	11	0445E	0445U	0447	S07	E06	4204	06	11.6	2D	SN			P	0445	123	1.3	
0231	YUNN	11	0524	0533	0551D	S13	W05	4206B	06	10.8	27D	SF			P		62	.7	
0232		11	06505	06535	0721	S08	E04	4204	06	11.6	31	1B	C 8.6				224	2.2	EF
	ISTA	11	0650		0702	S08	E05	4204	06	11.6	12	SN	C 8.6						E
	LEAR	11	0651	0656	0725	S08	E04	4204	06	11.6	34	1B	C 8.6	3	C		255		F
	MANI	11	0652	0653	0732	S09	E04	4204	06	11.6	40	1B	C 8.6	1	V		260	2.7	F
	ATHN	11	0652E	0654	0734	S10	E04	4204	06	11.6	42D	1B	C 8.6	3	V	0654	271	2.8	
	CATA	11	0655	0658	0715	S08	E03	4204	06	11.5	20	S	C 8.6	2	C	0658	112	1.2	
0233		11	09491	0952*	1018	S09	W01	4204	06	11.3	29	SB	C 2.5				165	1.7	E
	HTPR	11	0949	0953	1016	S09	W01	4204	06	11.3	27	SB	C 2.5		C	0953	70	.7	E
	ATHN	11	0950E	0952	1024	S10	E02	4204	06	11.5	34D	1B	C 2.5	3	V	0952	286	3.0	
	CATA	11	0950	1005	1015	S09	W03	4204	06	11.2	25	S	C 2.5	2	C	1005	140	1.5	
0234		11	10276	1029*	1108	S08	W02	4204	06	11.3	41	SN					52	.5	E
	HTPR	11	1027	1029	1046	S09	W02	4204	06	11.3	19	SN			C	1029	50	.5	E
	RAMY	11	1033	1102	1131	S08	W02	4204	06	11.3	58	SF		3	C		55		
0235	RAMY	11	1150	1150	1156	S08	W03	4204	06	11.3	6	SN		3	C		31		
0236	HTPR	11	1258	1259	1306	S09	W04	4204	06	11.2	8	SF			C	1259	49	.4	E
0237		11	1321	1323	1400	S08	E02	4204	06	11.7	39	SN	C 2.0				34	.4	
	ATHN	11	1321	1323	1400	S10	E04	4204	06	11.8	39	SN	C 2.0	2	V	1323	48	.5	
	HTPR	11	1332E		1358D	S06	E01	4204	06	11.6	26D	SF	C 2.0		C	1337	20	.2	
0238		11	1545*	1547*	1607	S10	W05	4204	06	11.3	22	SN					26		F
	RAMY	11	1545	1607	1610	S10	W07	4204	06	11.1	25	SN		3	C		26		
	HOLL	11	1546	1547	1601	S11	W07	4204	06	11.1	15	SF		3	C		29		F
	HOLL	11	1607	1607	1610	S08	W01	4204	06	11.6	3	SN		3	C		24		F
0239		11	20311	20311	2039	S12	W10	4204	06	11.1	8	SF	C 1.0				50		F
	PALE	11	2031	2031	2041D	S12	W10	4204	06	11.1	10D	SF	C 1.0	3	C		59		F
	HOLL	11	2032	2032	2039	S11	W10	4204	06	11.1	7	SF	C 1.0	3	C		42		
0240	HOLL	11	2354	2354	2402	S11	E09	4205	06	12.7	8	SF		3	C		26		
0241		12	0438	0438	0449	S10	W12	4204	06	11.3	11	SN					36	.3	F
	CULG	12	0438	0438	0446	S09	W12	4204	06	11.3	8	SN			C	0438	30	.3	F
	LEAR	12	0438	0438	0452	S10	W13	4204	06	11.2	14	SF		3	C		43		F
0242	RAMY	12	1215	1245	1310	S08	W16	4204	06	11.3	55	SF		3	C		33		
0243	HOLL	12	1512	1512	1519	S09	W19	4204	06	11.2	7	SF		2	C		44		F
0244		12	15434	15481	1600	S08	W18	4204	06	11.3	17	SF					66		
	RAMY	12	1543	1548	1604	S08	W18	4204	06	11.3	21	SF		3	C		95		
	HOLL	12	1547	1549	1556	S07	W18	4204	06	11.3	9	SF		3	C		36		
0245	HOLL	12	1812	1812	1823	S11	W23	4204	06	11.0	11	SF		3	C		38		
0246		12	22291	22315	2246	S07	W28	4204	06	10.8	17	SN	C 2.0				61	.8	EFH
	CULG	12	2229	2231	2246	S08	W28	4204	06	10.8	17	SN	C 2.0		C	2231	70	.8	F
	HOLL	12	2230	2236	2245	S06	W28	4204	06	10.8	15	SB	C 2.0	3	C		80		EH
	PALE	12	2231E	2236U	2236D	S08	W28	4204	06	10.8	5D	SF	C 2.0	3	C		33		F
0247		12	2354	2355	2419	S10	W23	4204	06	11.3	25	SN					60		F
	HOLL	12	2354	2355	2407	S09	W24	4204	06	11.2	13	SN		3	C		60		F
	LEAR	12	2354E	2355U	2431	S10	W22	4204	06	11.3	37D	SF		2	C		59		

40
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement (10 ⁻⁶ Disk)	Corr (Sq Deg)	Remarks
0248	LEAR	13	01218	01281	0135	S07	W28	4204	06	10.9	14	SN C	1.0				40		H
	LEAR	13	0121	0128	0132	S08	W29	4204	06	10.9	11	SN C	1.0	3	C		35		H
	HOLL	13	0129	0129	0138	S06	W28	4204	06	11.0	9	SN C	1.0	2	C		45		
0249	CULG	13	0209	0212	0220	S03	E74	4208	06	18.6	11	1F			C	0212	100		
0250		13	03104	03151	0321	S08	W31	4204	06	10.8	11	SN C	1.4				101		EFK
	CULG	13	0310	0315	0321	S08	W30	4204	06	10.9	11	SN C	1.4		C	0315	100	1.4	FK
	TACH	13	0313	0316	0321	S08	W32	4204	06	10.7	8	SB C	1.4		C	0316	133	1.6	E
	LEAR	13	0314	0315	0320	S08	W30	4204	06	10.9	6	SN C	1.4	3	C		71		F
0251	LEAR	13	0432	0435	0437	S10	W25	4204	06	11.3	5	SF		3	C		21		F
0252		13	0615*	0615*	0634	S07	W32	4204	06	10.9	19	SN C	1.6				117	1.5	EJ
	CATA	13	0615	0615	0620	S07	W33	4204	06	10.8	50	S		2	P	0615	140	1.7	
	ABST	13	0621	0623	0628	S06	W33	4204	06	10.8	7	1N			C	0623	174	2.1	EJ
	LEAR	13	0621	0630	0636	S07	W32	4204	06	10.9	15	SN C	1.6	3	C		89		
	PURP	13	0629	0632	0637	S08	W32	4204	06	10.9	8	SN C	1.6		C	0632	92	1.1	
	CULG	13	0630E	0630U	0632D	S08	W32	4204	06	10.9	20	SN C	1.6		P	0630	90	1.2	
0253	LEAR	13	0703	0706	0708	S06	E72	4208	06	18.7	5	SF		3	C				
0254		13	0747	0755	0812	S12	W30	4204	06	11.1	25	SF C	1.8				41		E
	LEAR	13	0747	0755	0812	S11	W30	4204	06	11.1	25	SF C	1.8	3	C		41		
	KHAR	13	0755E		0806D	S12	W31	4204	06	11.0	11D	SF C	1.8		V	0755			E
0255	LEAR	13	0758	0759	0802	S06	E71	4208	06	18.6	4	SF		3	C		13		
0256		13	0837	0838	0844	S06	E74	4208	06	18.9	7	SF					17		D
	LEAR	13	0837	0838	0844	S06	E70	4208	06	18.6	7	SF		3	C		17		
	KHAR	13	0838E	0838	0842D	S06	E77	4208	06	19.1	4D	SF			V	0838			D
		13	1031		1051	No Flare Patrol													
0257	RAMY	13	1053	1106	1136	S10	W30	4204	06	11.2	43	SF		3	C		89		
		13	1057		1103	No Flare Patrol													
0258		13	12211	12224	1236	S08	W34	4204	06	11.0	15	SN C	1.3				88		FH
	RAMY	13	1221	1226	1235	S08	W35	4204	06	10.9	14	SN C	1.3	3	C		91		F
	HOLL	13	1222	1222	1238	S09	W34	4204	06	11.0	16	SN C	1.3	2	C		85		FH
0259		13	1341	1343	1400	S10	W32	4204	06	11.2	19	SN C	2.1				43		F
	RAMY	13	1341	1343	1357	S11	W32	4204	06	11.2	16	SN C	2.1	3	C		45		F
	HOLL	13	1341	1343	1403	S10	W33	4204	06	11.1	22	SF C	2.1	3	C		41		
0260		13	1506*	1510*	1536	S11	W33	4204	06	11.1	30	SN C	2.1				47		F
	HOLL	13	1506	1510	1528	S11	W34	4204	06	11.1	22	SN		3	C		38		F
	RAMY	13	1529	1530	1613D	S12	W34	4204	06	11.1	44D	SN C	2.1	3	C		54		
	HOLL	13	1530	1531	1543	S09	W32	4204	06	11.2	13	SB C	2.1	3	C		49		F
		13	1559		1649	No Flare Patrol													
0261	HOLL	13	1813	1814	1820	S09	W35	4204	06	11.1	7	SF		3	C		24		
0262		13	18571	18571	1908	S10	W36	4204	06	11.1	11	SN					34		
	PALE	13	1857	1857	1908	S10	W35	4204	06	11.1	11	SN		3	C		30		
	HOLL	13	1858	1858	1907	S09	W36	4204	06	11.1	9	SF		2	C		39		
0263	HOLL	13	1935	1938	1945	S28	E53	4207	06	17.9	10	SN		3	C		81		
0264		13	19411	1942	1952	S08	W36	4204	06	11.1	11	SN C	2.2				31		F
	HOLL	13	1941	1942	1957	S06	W39	4204	06	10.9	16	SN C	2.2	3	C		40		F
	PALE	13	1942	1942	1948	S10	W33	4204	06	11.3	6	SF C	2.2	3	C		22		
0265	HOLL	13	2159	2159	2206	S11	W39	4204	06	11.0	7	SF		3	C		30		
0266		13	23307	2330*	2356	S12	W39	4204	06	11.0	26	SN C	3.5				88	1.2	FJK
	HOLL	13	2330	2330	2358	S11	W39	4204	06	11.0	28	SN		3	C		27		K
	HOLL	13	2330	2339	2358	S11	W39	4204	06	11.0	28	SB C	3.5	3	C		131		FK
	PALE	13	2336E	2339U	2404D	S12	W39	4204	06	11.0	28D	SN C	3.5	3	C		103		F
	CULG	13	2337	2341	2351	S12	W38	4204	06	11.1	14	SN C	3.5		C	2341	90	1.2	JF

H - ALPHA SOLAR FLARES

41
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0267	CULG	14	0008	0011	0018	S05	E66	4208	06	18.9	10	SF			C	0011	60		
0268		14	00203	0023	0030	S10	W38	4204	06	11.1	10	SN					22		
	LEAR	14	0020	0023	0030	S09	W37	4204	06	11.2	10	SF		3	C		22		
	HOLL	14	0023	0023	0030	S11	W40	4204	06	11.0	7	SN		3	C		21		
0269	LEAR	14	0319	0319	0326	S11	W39	4204	06	11.2	7	SF		3	C		18		
0270		14	04281	04303	0437	S10	W16	4205	06	13.0	9	SN					54	.6	CDEF
	CULG	14	0428	0430	0438	S10	W16	4205	06	13.0	10	SN			C	0430	60	.6	
	PEKG	14	0428	0433	0436	S09	W17	4205	06	12.9	8	SF			C	0433	25	.3	E
	LEAR	14	0429	0430	0437	S10	W17	4205	06	12.9	8	SN		3	C		44		F
	ABST	14	0433E	0433	0437	S10	W16	4205	06	13.0	4D	SF			P	0433	87	.9	CD
0271		14	0435*	0435*	0509	S10	W40	4204	06	11.2	34	SF	C 2.2				90	1.2	EFJK
	LEAR	14	0435	0435	0523	S11	W41	4204	06	11.1	48	SN	C 2.2	3	C		71		K
	LEAR	14	0435	0454	0523	S11	W41	4204	06	11.1	48	SF		3	C		119		K
	PEKG	14	0436	0440	0449	S09	W40	4204	06	11.2	13	SF	C 2.2		C	0440	92	1.3	E
	ABST	14	0436	0442	0508D	S11	W41	4204	06	11.1	32D	SN	C 2.2		P	0442	87	1.2	EJK
	CULG	14	0452	0455	0502	S11	W39	4204	06	11.3	10	SF			C	0455	80	1.0	FJ
0272		14	06202	06233	0631	S10	W18	4205	06	12.9	11	SF					17	.2	E
	HTPR	14	0620	0623	0632	S10	W18	4205	06	12.9	12	SF			C	0623	20	.2	E
	LEAR	14	0622	0626	0630	S10	W18	4205	06	12.9	8	SF		3	C		14		
0273		14	07281	07301	0735	N19	E68	4210	06	19.5	7	SN					32	.4	
	HTPR	14	0728	0731	0735	N20	E64	4210	06	19.2	7	SB			C	0731	20	.4	
	LEAR	14	0729	0730	0734	N19	E69	4210	06	19.6	5	SF		3	C		20		
	CATA	14	0730E	0730	0735	N19	E70	4210	06	19.6	5D	S		2	P	0730	56		
0274		14	0745	0750	0800	N20	E68	4210	06	19.5	15	SF					20	.4	D
	HTPR	14	0745	0750	0800	N20	E64	4210	06	19.2	15	SF			C	0750	20	.4	
	KHAR	14	0748E	0750	0752D	N21	E71	4210	06	19.8	4D	SF			V	0750			D
0275		14	0824*	08422	0853	S11	W46	4204	06	10.9	29	SN	C 2.4				124	1.4	EFHK
	HTPR	14	0824	0843	0858	S13	W51	4204	06	10.5	34	SN	C 2.4		C	0843	50	.8	E
	KHAR	14	0827E	0843	0850D	S12	W45	4204	06	11.0	23D	SN	C 2.4		P	0843	180	2.0	EHK
	LEAR	14	0828	0844	0909D	S10	W43	4204	06	11.1	41D	SN	C 2.4	3	C		158		F
	MONT	14	0836	0842	0848	S10	W43	4204	06	11.1	12	SN	C 2.4		C	0842	110		
0276	HTPR	14	0858	0858	0904	S10	W19	4205	06	12.9	6	SF			C	0858	10	.1	
0277	HTPR	14	0928	0930	0950	N20	E63	4210	06	19.2	22	SF			C	0930	10	.2	
0278	HTPR	14	1033	1043	1245	N20	E63	4210	06	19.2	132	SF			C	1043	20	.4	
0279		14	14202	14221	1430	S10	W24	4205	06	12.8	10	SF					24	.1	
	HTPR	14	1420	1422	1429	S10	W25	4205	06	12.7	9	SF			C	1422	10	.1	
	RAMY	14	1422	1423	1430	S10	W24	4205	06	12.8	8	SF		3	C		38		
0280	HOLL	14	1445	1445	1458	N12	E70	4209	06	19.9	13	SF	C 1.0	3	C		20		
0281	HOLL	14	1516	1524	1537	N16	E65	4210	06	19.6	21	SF		3	C		17		
0282	HOLL	14	1554	1558	1605	S08	E56	4208	06	18.9	11	SF		3	C		18		
0283		14	16367	16467	1716	S06	W50	4204	06	10.9	40	SN	C 2.6				57	.6	EFK
	HTPR	14	1636	1646	1723	S07	W51	4204	06	10.9	47	SF			C	1646	40	.6	E
	HOLL	14	1642	1647	1712	S06	W50	4204	06	10.9	30	SN	C 2.6	3	C		70		FK
	HOLL	14	1642	1653	1712	S06	W50	4204	06	10.9	30	SN		3	C		74		K
	RAMY	14	1643	1647	1718	S07	W50	4204	06	10.9	35	SN	C 2.6	3	C		45		F
0284		14	17472	17492	1808	S07	E54	4208	06	18.8	21	SF					34	.5	
	HTPR	14	1747	1749	1758	S06	E52	4208	06	18.6	11	SN			C	1749	30	.5	
	PALE	14	1749	1751	1803	S07	E55	4208	06	18.9	14	SF		3	C		27		
	HOLL	14	1749	1751	1824	S08	E54	4208	06	18.8	35	SF		2	C		46		
0285	HOLL	14	2128	2130	2149	S07	E52	4208	06	18.8	21	SB		3	C		43		

42
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	(10 ⁻⁶ Disk)	(Sq Deg)		
0286	HOLL	15	0041	0046	0054	N13	E63	4209	06	19.8	13	SF		3	C		19			
			15 0151		0208			No Flare Patrol												
			15 0309		0313			No Flare Patrol												
0287	ABST	15	0437E	0438	0512	S13	E71	4213	06	20.5	35D	1F			P	0438	114			D
0288	PEKG	15	0614	0616	0631	S08	E48	4208	06	18.8	17	SF			P	0616	17	.2		E
0289		15	0659S	0704S	0716	N19	E57	4210	06	19.6	17	SN					22	.4		E
	PEKG	15	0659	0704	0715	N19	E57	4210	06	19.6	16	SN			P	0704	25	.5		E
	HTPR	15	0704	0707	0718	N19	E57	4210	06	19.6	14	SF			C	0707	20	.3		
0290	HTPR	15	0817	0821	0829	S13	E66	4213	06	20.3	12	SF			C	0821	30	.7		
0291		15	1607I	1609	1629	S08	E42	4208	06	18.8	22	SF					58	1.0		EF
	HTPR	15	1607	1609	1616	S08	E41	4208	06	18.7	9	SF			C	1609	80	1.0		E
	HOLL	15	1608	1609	1615	S09	E44	4208	06	19.0	7	SN		3	C		40			F
	RAMY	15	1636E		1655	S06	E41	4208	06	18.8	19D	SF		3	C		55			
			15 1856		1906			No Flare Patrol												
			15 1913		2004			No Flare Patrol												
			15 2025		2032			No Flare Patrol												
			15 2053		2111			No Flare Patrol												
			15 2153		2209			No Flare Patrol												
			15 2211		2216			No Flare Patrol												
0292		15	2222Z	2223S	2239	S07	E40	4208	06	18.9	17	SN					54	.5		
	PALE	15	2222	2223	2248	S08	E40	4208	06	18.9	26	SF		3	C		69			
	CULG	15	2224	2226	2230	S06	E39	4208	06	18.8	6	SN			C	2226	40	.5		
0293		15	2350	2351	2407	S12	E54	4213	06	20.1	17	SF	C 1.4				31	.6		
	CULG	15	2350	2351	2403	S11	E54	4213	06	20.0	13	SF	C 1.4		C	2351	40	.6		
	LEAR	15	2354E		2411	S13	E54	4213	06	20.1	17D	SF	C 1.4	2	C		22			
0294	LEAR	16	0228	0232	0250	N19	E46	4210	06	19.6	22	SF		3	C		32			
0295	LEAR	16	0230	0232	0241	S13	E54	4213	06	20.2	11	SF		3	C		17			
0296	CULG	16	0307	0312	0323	S11	E52	4213	06	20.0	16	SF	C 2.0		C	0312	40	.6		
0297	ABST	16	0408	0410	0420	S18	E35	4213	06	18.8	12	SF			C	0410	87	1.1		DK
0298	ABST	16	0521	0523	0538	N18	E44	4210	06	19.6	17	SF			C	0523	87	1.2		D
0299		16	0724*	0726*	0800	N13	E47	4209	06	19.8	36	SN					66	1.1		D
	ATHN	16	0724	0726	0738	N14	E48	4209	06	19.9	14	SN		3	V	0726	95	1.5		
	HTPR	16	0725	0744	0811	N14	E47	4209	06	19.9	46	SF			C	0744	20	.3		
	LEAR	16	0727	0746	0807	N13	E47	4209	06	19.8	40	SF		3	C		42			
	ATHN	16	0740	0742	0802	N14	E48	4209	06	19.9	22	SN		3	V	0742	95	1.5		
	YUNN	16	0740E	0746U	0746D	N13	E48	4209	06	19.9	6D	SN			P	0746	77	1.2		D
0300	KANZ	16	0937	0941	0945D	S07	E33	4208	06	18.9	8D	SF		3						
0301		16	10039	10059	1025	S14	E50	4213	06	20.2	22	SN	C 2.0				68	1.1		
	HTPR	16	1003	1012	1027	S13	E48	4213	06	20.0	24	SF	C 2.0		C	1012	40	.6		
	CATA	16	1005	1005	1020	S15	E48	4213	06	20.0	15	S	C 2.0	1	C	1005	84	1.4		
	ATHN	16	1012	1014	1027	S14	E54	4213	06	20.5	15	SN	C 2.0	2	V	1014	80	1.3		
0302		16	1241	1225*	1312	S13	E49	4213	06	20.2	31	SB	C 2.3				56	1.0		EK
	RAMY	16	1218E	1225	1244D	S13	E47	4213	06	20.0	26D	SF		3	C		19			K
	RAMY	16	1218E	1244	1244D	S13	E47	4213	06	20.0	26D	SB	C 2.3	3	C		78			K
	HTPR	16	1241	1243	1303	S13	E47	4213	06	20.1	22	SB	C 2.3		C	1243	30	.4		E
	ATHN	16	1246E	1248	1320	S14	E54	4213	06	20.6	34D	SB	C 2.3	2	V	1248	95	1.5		
0303		16	1327*	1340*	1404	N18	E40	4210	06	19.6	37	SF					31	.4		E
	HTPR	16	1327	1340	1356	N15	E40	4210	06	19.6	29	SF			C	1340	30	.4		E
	HTPR	16	1336	1356	1403	N19	E40	4210	06	19.6	27	SN			C	1356	30	.4		E
	RAMY	16	1357	1357	1414	N19	E39	4210	06	19.5	17	SF		3	C		32			

H - ALPHA SOLAR FLARES

43
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0304	RAMY	16	1337	1340	1346	N13	E44	4209	06	19.9	9	SF		3	C		20		F
0305	HTPR	16	1343	1346	1352	S13	E46	4213	06	20.0	9	SF			C	1346	30	.4	E
0306		16	1425*	14495	1512	S14	E46	4213	06	20.1	47	SN C	2.1				57	.6	EF
	HTPR	16	1425	1449	1520	S13	E45	4213	06	20.0	55	SN			C	1449	40	.6	E
	HOLL	16	1443	1453	1511	S15	E46	4213	06	20.1	28	SN C	2.1	3	C		74		F
	KANZ	16	1445	1454	1505	S13	E46	4213	06	20.1	20	SN C	2.1	3					
0307	HTPR	16	1434	1444	1520	N15	E40	4210	06	19.6	46	SF			C	1444	30	.4	E
0308		16	1513*	1517*	1608	S14	E46	4213	06	20.1	55	SN M	5.6				108	2.2	EKV
	RAMY	16	1513	1517	1733D	S13	E46	4213	06	20.1	140D	SF		3	C		17		K
	RAMY	16	1513	1535	1733D	S13	E46	4213	06	20.1	140D	SB M	5.6	3	C		145		K
	HOLL	16	1516	1517	1535D	S14	E46	4213	06	20.1	19D	SF		3	C		23		
	HTPR	16	1533	1536	1608	S13	E44	4213	06	20.0	35	1B M	5.6		C	1536	160	2.2	EV
	KANZ	16	1537E	1537	1558D	S14	E46	4213	06	20.1	21D	SB M	5.6	1					
	HOLL	16	1540E	1541	1544D	S14	E46	4213	06	20.1	4D	1B M	5.6	3	C		194		
0309	PALE	16	1823	1826	1831	N18	E35	4210	06	19.4	8	SF		3	C		53		
0310	HOLL	16	2121	2121	2142	S14	E43	4213	06	20.1	21	SB C	1.7	3	C		85		E
0311	PALE	17	0034	0045U	0047D	N18	E32	4210	06	19.5	13D	SF		3	C		33		
0312		17	0101	0102	0107	S13	E40	4213	06	20.1	6	SB M	1.0				198	3.4	CEF
	CULG	17	0059E	0059U	0107	S12	E39	4213	06	20.0	8D	SB M	1.0		P	0059	160	1.9	C
	HOLL	17	0101	0102	0103D	S14	E42	4213	06	20.2	2D	SB M	1.0	3	C		80		E
	YUNN	17	0106E	0107U	0107D	S13	E39	4213	06	20.0	1D	1N M	1.0		P	0107	354	4.9	F
0313		17	0419	04236	0520	N18	E34	4210	06	19.8	61	1N					144	3.1	F
	ABST	17	0419	0423	0520	N16	E35	4210	06	19.8	61	1N			C	0423	261	3.1	F
	LEAR	17	0429E	0429	0441D	N21	E32	4210	06	19.6	12D	SF		1	C		26		
0314	LEAR	17	0428E	0429	0444D	N15	E40	4209	06	20.2	16D	SF		1	C		67		
0315	ABST	17	0607E	0608	0616	S06	E23	4208	06	19.0	9D	SN			P	0608	87	.9	D
0316	KANZ	17	0638	0638	0648	S14	E37	4213	06	20.1	10	SF		3					
0317	KANZ	17	0718	0746	0753D	S14	E37	4213	06	20.1	35D	SF		2					
0318	KANZ	17	0737	0737	0746	S11	W59	4205	06	12.9	9	SF		2					
0319	RAMY	17	1124	1130	1140	S13	E33	4213	06	20.0	16	SF		3	C		61		
0320		17	1144*	1203*	1218	N12	E28	4209	06	19.6	34	SF					35		
	RAMY	17	1144	1203	1209	N12	E30	4209	06	19.7	25	SF		3	C		34		
	RAMY	17	1212	1215	1228	N12	E26	4209	06	19.5	16	SF		3	C		36		
0321	RAMY	17	1230	1231	1236	S10	E34	4213	06	20.1	6	SF		3	C		29		
0322	RAMY	17	1259	1304	1317	N19	E25	4210	06	19.4	18	SF		3	C		90		
		17	1418		1420	No Flare Patrol													
		17	1427		1449	No Flare Patrol													
0323		17	1428	1438	1522	N18	E26	4210	06	19.6	54	SF					54		
	RAMY	17	1420E	1422U	1551D	N19	E25	4210	06	19.5	91D	SF		3	C		69		
	HOLL	17	1428	1438	1522	N18	E26	4210	06	19.6	54	SF		3	C		39		
		17	1756		1805	No Flare Patrol													
0324	HOLL	18	1616	1617	1625	N12	W58	4211	06	14.3	9	SF		3	C		16		
0325	HOLL	18	1930	1932	1945	S13	E17	4213	06	20.1	15	SF C	1.0	3	C		33		F
0326	HOLL	18	1931	1933	1937	S07	E56	4215	06	23.0	6	SF		3	C		15		

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
						Lat	CMD	Region									(10 ⁻⁶ Disk)	Disk		
0327	HOLL	18	2230	2234	2251	S13	E14	4213	06	20.0	21	SF		3	C			56		F
0328	HOLL	18	2307	2314	2326	N03	E66	4215C	06	23.9	19	SF		3	C			15		
0329		18	2345*	24186	2452	S07	W04	4208	06	18.7	67	1N	C 1.9					169	2.4	EFU
	HOLL	18	2345	2418	2502	S07	W04	4208	06	18.7	77	1B	C 1.9	3	C			213		F
	LEAR	19	0016E	0018	0035	S07	W04	4208	06	18.7	19D	SN	C 1.9	2	C			140		F
	PALE	19	0019E	0019U	0103D	S07	W04	4208	06	18.7	44D	SN	C 1.9	3	C			93		UF
	YUNN	19	0019	0024	0100	S06	W05	4208	06	18.6	41	1N			C			231	2.4	E
0330		19	02094	02161	0228	S13	E12	4213	06	20.0	19	SN	C 1.1					75	.8	F
	YUNN	19	0209	0216	0224	S13	E12	4213	06	20.0	15	SN	C 1.1		C			77	.8	
	LEAR	19	0213	0217	0233	S13	E12	4213	06	20.0	20	SN	C 1.1	3	C			73		F
0331		19	03056	03142	0329	S08	W06	4208	06	18.7	24	SN	C 1.8					122	1.6	F
	YUNN	19	0305	0316	0316D	S09	W06	4208	06	18.7	11D	SN	C 1.8		P			154	1.6	
	LEAR	19	0311	0314	0329	S07	W06	4208	06	18.7	18	SF	C 1.8	3	C			89		F
0332	LEAR	19	0528	0533	0547	N17	E63	4216A	06	24.0	19	SF		3	C			20		
0333		19	0640*	0654	0714	N16	E02	4210	06	19.4	34	SN	C 1.0					95		EF
	MITK	19	0640	0654	0718D	N15	E02	4210	06	19.4	38D	SN	C 1.0		C	0654				E
	LEAR	19	0651	0654	0714	N18	E01	4210	06	19.4	23	SF	C 1.0	3	C			95		F
0334	LEAR	19	0745	0757	0819	N18	E01	4210	06	19.4	34	SF		3	C			90		F
0335	LEAR	19	0828	0829	0833	N18	E62	4216A	06	24.1	5	SF	C 1.0	3	C			20		
0336		19	1237*	12573	1326	N17	E59	4216	06	24.0	49	SB	C 3.1					123	1.9	EH
	RAMY	19	1237	1257	1338	N18	E60	4216	06	24.1	61	1B	C 3.1	3	C			175		
	HOLL	19	1257	1257	1321	N16	E58	4216	06	23.9	24	SB	C 3.1	1	C			100		EH
	ATHN	19	1259	1300	1320	N17	E58	4216	06	23.9	21	SN	C 3.1	2	V	1300		95	1.9	
0337		19	17401	1746	1756	N18	E58	4216A	06	24.1	16	SB	C 2.5					128		EF
	HOLL	19	1740	1746	1754	N17	E59	4216A	06	24.2	14	SB	C 2.5	3	C			112		E
	RAMY	19	1741	1746	1757	N18	E58	4216A	06	24.1	16	SB	C 2.5	3	C			86		
	PALE	19	1741	1746	1757	N19	E57	4216A	06	24.1	16	1B	C 2.5	3	C			187		FE
0338	HOLL	19	1744	1750	1756	N13	E42	4214	06	22.9	12	SF		3	C			30		
0339	HOLL	19	1747	1750	1806	S07	W15	4208	06	18.6	19	SF		3	C			31		
0340		19	1806*	18495	1933	S14	E03	4213	06	20.0	87	SF						60		F
	HOLL	19	1806	1849	1957	S14	E03	4213	06	20.0	111	SF		3	C			91		F
	PALE	19	1841E	1904U	1922	S14	E03	4213	06	20.0	41D	SF		3	C			35		
	RAMY	19	1842	1854	1919	S15	E03	4213	06	20.0	37	SF		3	C			53		
0341		19	1850	1854	1904	N18	E56	4216A	06	24.0	14	SN						23		
	PALE	19	1842E	1854U	1907	N18	E56	4216A	06	24.0	25D	SF		3	C			21		
	HOLL	19	1850	1854	1902	N17	E57	4216A	06	24.1	12	SN		3	C			25		
0342	HOLL	19	1852	1900	1908	N19	W03	4210	06	19.5	16	SF		3	C			41		
0343	HOLL	19	1853	1854	1904	N12	E40	4214	06	22.8	11	SF		3	C			22		
0344		19	1926*	1929*	2012	N17	E55	4216A	06	24.0	46	SN						35		F
	RAMY	19	1926	1930	1938	N17	E56	4216A	06	24.1	12	SN		3	C			33		
	PALE	19	1928	1929	2003	N18	E55	4216A	06	24.0	35	SN		3	C			30		F
	RAMY	19	1940	2016	2035	N17	E56	4216A	06	24.1	55	SB		3	C			57		
	HOLL	19	2014	2016	2023	N13	E53	4216A	06	23.8	9	SB		3	C			28		
	PALE	19	2016E	2016U	2023	N19	E56	4216A	06	24.1	7D	SN		3	C			27		
0345		19	19565	20029	2027	S14	E04	4213	06	20.1	31	SN	C 4.2					47		FK
	HOLL	19	1956	2007	2025	S14	E03	4213	06	20.0	29	SB		3	C			52		F
	RAMY	19	1958	2008	2030	S14	E04	4213	06	20.1	32	SB		3	C			53		K
	RAMY	19	1958	2011	2030	S14	E04	4213	06	20.1	32	SB	C 4.2	3	C			45		K
	PALE	19	2001	2002	2026	S14	E04	4213	06	20.1	25	SF		3	C			33		K
	PALE	19	2001	2009U	2026	S14	E04	4213	06	20.1	25	SN	C 4.2	3	C			53		K

H - ALPHA SOLAR FLARES

45
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See	Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0346	RAMY	19	2050	2053	2103	S15	E01	4213	06 19.9	13	SN	3	C		59		
0347	RAMY	19	2059	2122	2142	N17	E54	4216	06 24.0	43	SN C 3.8	3	C		25		
0348		19	22028	22057	2220	N19	E72	4220	06 25.4	18	SF				17		
	HOLL	19	2202	2205	2220	N19	E77	4220	06 25.8	18	SF	3	C		16		
	PALE	19	2210	2212	2220	N19	E67	4220	06 25.0	10	SF	3	C		18		
0349		19	22048	22057	2215	N17	E54	4216	06 24.0	11	SF				20		
	HOLL	19	2204	2205	2210	N16	E55	4216	06 24.1	6	SF	3	C		19		
	PALE	19	2210	2211	2220	N18	E53	4216	06 23.9	10	SF	3	C		23		
	HOLL	19	2212	2212	2216	N17	E54	4216	06 24.0	4	SF	3	C		19		
0350	HOLL	19	2208	2219	2228	S13	E01	4213	06 20.0	20	SN	3	C		40		F
0351		19	22297	22411	2249	N18	E54	4216	06 24.0	20	SN				22		F
	PALE	19	2229	2241	2251	N19	E54	4216	06 24.0	22	SF	3	C		27		F
	HOLL	19	2236	2242	2247	N17	E54	4216	06 24.0	11	SN	3	C		18		F
0352		19	2231*	2235*	2401	S13	E00	4213	06 19.9	90	SN M 1.1				93	2.0	FK
	HOLL	19	2231	2235	2428	S13	E00	4213	06 19.9	117	SN	3	C		61		K
	HOLL	19	2231	2343	2428	S13	E00	4213	06 19.9	117	SB M 1.1	3	C		130		FK
	PALE	19	2235	2235	2239	S13	E01	4213	06 20.0	4	SF	3	C		26		F
	PALE	19	2242	2302	2328	S13	E01	4213	06 20.0	46	SF	3	C		54		K
	PALE	19	2242	2313U	2328	S13	E01	4213	06 20.0	46	SN	3	C		73		K
	PALE	19	2346E	2346U	2422	S13	W00	4213	06 20.0	36D	SN M 1.1	2	C		94		F
	LEAR	20	0002E	0002U	0026	S13	W00	4213	06 20.0	24D	SF	1	C		119		F
	YUNN	20	0014	0017	0050	S12	W01	4213	06 19.9	36	SN		C		185	2.0	
0353	HOLL	19	2252	2254	2341	N18	E68	4217	06 25.1	49	SF	3	C		16		
0354		20	00442	00467	0117	N22	W05	4210	06 19.6	33	SN C 2.1				129	1.7	F
	HOLL	20	0044	0046	0123	N23	W04	4210	06 19.7	39	SN C 2.1	3	C		118		F
	CULG	20	0045E	0047U	0052D	N22	W06	4210	06 19.6	7D	SN C 2.1		P	0047	90	.9	F
	LEAR	20	0045	0051	0120	N23	W04	4210	06 19.7	35	SF C 2.1	2	C		109		F
	PALE	20	0046	0048	0111	N22	W05	4210	06 19.6	25	SF C 2.1	2	C		63		F
	YUNN	20	0046	0051	0118	N21	W05	4210	06 19.6	32	IN C 2.1		C		277	3.0	F
	PEKG	20	0052E	0053	0112	N23	W04	4210	06 19.7	20D	SN C 2.1		C	0053	118	1.3	F
0355	LEAR	20	0242	0244	0253	S13	E02	4213	06 20.3	11	SF	2	C		31		H
0356	LEAR	20	0310	0312	0331	S13	E02	4213	06 20.3	21	SF C 1.3	2	C		39		
0357	LEAR	20	0437	0441	0454	S14	W03	4213	06 20.0	17	SF	3	C		28		
0358	LEAR	20	0500	0511	0523	S14	W03	4213	06 20.0	23	SF	3	C		37		
0359		20	1306	13102	1325	S10	E82	4222A	06 26.7	19	IN C 3.4				104		
	RAMY	20	1306	1310	1323	S09	E82	4222A	06 26.7	17	IN C 3.4	3	C		66		
	ATHN	20	1310E	1312	1320	S10	E84	4222A	06 26.9	10D	IB C 3.4	3	V	1312	207		
	HOLL	20	1318E	1323U	1333	S10	E79	4222A	06 26.5	15D	SF C 3.4	3	C		39		
0360	HOLL	20	1337	1347	1355	N09	W69	4211	06 15.4	18	SF	3	C		30		F
0361		20	14231	14261	1458	S14	W06	4213	06 20.1	35	SB C 8.6				160		EF
	HOLL	20	1423	1427	1506	S15	W06	4213	06 20.1	43	SB C 8.6	3	C		174		F
	RAMY	20	1424	1426	1450	S14	W06	4213	06 20.1	26	SB C 8.6	3	C		146		FE
0362	HOLL	20	1438	1438	1446	N10	W86	4211	06 14.1	8	SF	3	C		13		
0363		20	15031	15041	1517	N18	W16	4210	06 19.4	14	SF C 1.0				41		F
	HOLL	20	1503	1505	1518	N18	W16	4210	06 19.4	15	SF C 1.0	3	C		53		F
	RAMY	20	1504	1504	1516	N18	W15	4210	06 19.5	12	SF C 1.0	3	C		29		
0364	HOLL	20	1517	1521	1532	N10	W90	4211	06 13.9	15	SF	3	C		29		
0365		20	1528	1534*	1604	S12	E82	4222A	06 26.8	36	SF C 1.2				38		K
	RAMY	20	1528	1534	1604	S12	E82	4222A	06 26.8	36	SF	3	C		21		K
	RAMY	20	1528	1553	1604	S12	E82	4222A	06 26.8	36	SF C 1.2	3	C		54		K

46
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks		
						Region	Lat	Cmd									Apparent (10 ⁻⁶ Disk)	Disk				
			20 1544		1556	No Flare Patrol																
0366		20	2033E	2039	2103	N18	E41	4216	06	24.0	30D	SN	C	1.9				36		F		
	HOLL	20	2033E	2039	2059	N18	E41	4216	06	24.0	26D	SN	C	1.9	3	C		38		F		
	PALE	20	2038E	2040U	2107	N17	E41	4216	06	24.0	29D	SN	C	1.9	3	C		34		F		
0367		20	21544	2204	2233	N21	E59	4220	06	25.4	39	1F	C	1.5				132		FU		
	PALE	20	2154	2157U	2232	N19	E58	4220	06	25.3	38	SF	C	1.5	3	C		73		UF		
	HOLL	20	2158	2204	2234	N23	E60	4220	06	25.5	36	1F	C	1.5	3	C		191		UF		
0368	HOLL	20	2223	2235	2249	S08	E68	4219	06	26.0	26	SF			3	C		19				
0369		20	2343	2412	2420	N16	E40	4216	06	24.0	37	SF						32	.5	D		
	HOLL	20	2343	2412	2436	N16	E40	4216	06	24.0	53	SF			3	C		31				
	PEKG	20	2350E	2350E	2405	N17	E40	4216	06	24.0	15D	SF				P	2350	34	.5	D		
0370	HOLL	20	2359	2407	2501D	S13	E72	4219	06	26.4	62D	1N	C	2.0	3	C		146		F		
0371		21	0202*	0204*	0220	S14	W13	4213	06	20.1	18	SN						95	1.0	E		
	PEKG	21	0202	0207	0213	S14	W14	4213	06	20.0	11	SN				C	0207	55	.6	E		
	PURP	21	0204E	0204	0221	S15	W12	4213	06	20.2	17D	SB				C	0204	74	.8			
	YUNN	21	0217	0219	0225	S14	W13	4213	06	20.1	8	SN				C		157	1.7			
0372	YUNN	21	0213	0219	0231	N16	E38	4216	06	24.0	18	SN				C		79	1.1			
0373	YUNN	21	0213	0219	0231	S07	E75	4222A	06	26.7	18	SN				C		31				
0374	YUNN	21	0307	0315	0344	N16	E37	4216	06	23.9	37	SB				C		79	1.1			
0375	YUNN	21	0324	0327	0335	S12	E73	4222A	06	26.6	11	SN				C		47				
0376	PURP	21	0519E	0519	0531	S10	E72	4222A	06	26.6	12D	SF				C	0519	50				
0377	RAMY	21	1125E	1126	1215	S08	E72	4222A	06	26.9	50D	SF			3	C		79				
0378	RAMY	21	1153	1153	1209	N16	E32	4216	06	23.9	16	SF			3	C		20				
0379	RAMY	21	1225	1228	1234	S11	W20	4213	06	20.0	9	SN			3	C		67				
0380		21	1538	1538	1602	N16	E30	4216	06	23.9	24	SN	C	1.4				32		F		
	HOLL	21	1538	1538	1551	N16	E31	4216	06	24.0	13	SN	C	1.4	3	C		29		F		
	RAMY	21	1538	1538	1612	N15	E29	4216	06	23.8	34	SN	C	1.4	3	C		34		F		
0381	PALE	21	1644	1647	1649	N17	E29	4216	06	23.9	5	SF			2	C		30				
0382		21	1732	17332	1744	S10	E68	4222A	06	26.8	12	SN	C	1.0				18		F		
	PALE	21	1732	1733	1743	S08	E68	4222A	06	26.8	11	SF	C	1.0	3	C		14		F		
	HOLL	21	1732	1735	1744	S11	E68	4222A	06	26.8	12	SN	C	1.0	3	C		23				
0383	PALE	21	1750	1758	1812	N16	E28	4216	06	23.9	22	SF			3	C		52				
0384	PALE	21	1816	1818	1832	N17	E28	4216	06	23.9	16	SF			3	C		37				
0385		21	1857*	19072	1914	S11	E66	4219	06	26.7	17	SF	C	1.3				37		U		
	RAMY	21	1857	1907	1913	S11	E67	4219	06	26.8	16	SF	C	1.3	3	C		40				
	PALE	21	1907	1908	1915	S10	E66	4219	06	26.7	8	SF	C	1.3	3	C		44		U		
	HOLL	21	1907	1909	1914	S13	E66	4219	06	26.8	7	SF	C	1.3	3	C		28				
0386	RAMY	21	1916	1917	1926	N15	E25	4216	06	23.7	10	SF			3	C		42				
0387		21	19353	19355	1943	S08	E64	4222A	06	26.6	8	SF						38				
	PALE	21	1935	1935	1940	S08	E64	4222A	06	26.6	5	SF			3	C		60				
	HOLL	21	1938	1940	1946	S09	E63	4222A	06	26.5	8	SF			3	C		15				
0388		21	1944	19461	2003	N22	E46	4220	06	25.3	19	SN						36		F		
	HOLL	21	1944	1946	2002	N21	E46	4220	06	25.3	18	SN			3	C		35				
	PALE	21	1944	1947	2004	N22	E46	4220	06	25.3	20	SF			3	C		36		F		

H - ALPHA SOLAR FLARES

47
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0389	RAMY	21	1944	1947	2004	N17	E42	4217	06	25.0	20	SF		3	C		34		F
0390		21	2000*	2002*	2022	N15	E23	4216	06	23.6	22	SN					31		F
	RAMY	21	2000	2018	2034	N14	E21	4216	06	23.4	34	SN		3	C		33		F
	PALE	21	2001	2002	2008	N15	E24	4216	06	23.6	7	SF		3	C		25		
	HOLL	21	2017	2018	2023	N15	E25	4216	06	23.7	6	SN		3	C		36		
0391	RAMY	21	2032	2039	2042D	N12	E11	4214	06	22.7	10D	SF		3	C		22		
0392		21	20491	20542	2113	N14	E24	4216	06	23.7	24	SN C 1.3					80		F
	HOLL	21	2049	2056	2115	N14	E25	4216	06	23.7	26	SN C 1.3		3	C		78		F
	PALE	21	2050	2054	2111	N15	E24	4216	06	23.7	21	SN C 1.3		3	C		82		F
0393		21	21422	21471	2156	N16	E25	4216	06	23.8	14	SN					25		
	HOLL	21	2142	2147	2202	N15	E24	4216	06	23.7	20	SN		3	C		29		
	PALE	21	2144	2148	2150	N16	E26	4216	06	23.9	6	SF		3	C		21		
0394		21	22165	22202	2228	N14	E24	4216	06	23.7	12	SB C 1.3					44		E
	HOLL	21	2216	2220	2230	N14	E24	4216	06	23.7	14	SB C 1.3		3	C		62		E
	PALE	21	2221	2222	2226	N15	E23	4216	06	23.7	5	SN C 1.3		3	C		25		
0395	PALE	22	0023	0032U	0052D	S10	E64	4219	06	26.8	29D	SF C 4.0		3	C		38		
0396	PALE	22	0139	0151	0157	N15	E21	4216	06	23.6	18	SF		3	C		30		F
0397	LEAR	22	0145	0145	0214	N14	W28	4209	06	19.9	29	SF		3	C		20		
0398		22	0234*	0250	0302	N15	E22	4216	06	23.8	28	1B C 2.5					130		FSU
	PALE	22	0234	0248U	0256D	N16	E21	4216	06	23.7	22D	2 C 2.5		3	C		181		SU
	LEAR	22	0246	0250	0302	N14	E22	4216	06	23.8	16	SB C 2.5		3	C		79		F
0399	TACH	22	0309	0310	0322	N15	E20	4216	06	23.6	13	SB			C	0310	133	1.5	D
0400		22	05016	05067	0522	N12	E07	4214	06	22.7	21	SN C 1.0					108	1.4	DEF
	ABST	22	0501	0507	0528	N12	E06	4214	06	22.7	27	SN C 1.0			C	0507	131	1.3	E
	YUNN	22	0504	0509	0519	N11	E06	4214	06	22.7	15	SF C 1.0			C		47	.5	
	LEAR	22	0506	0506	0520	N11	E07	4214	06	22.7	14	SF C 1.0		3	C		33		F
	TACH	22	0507	0513	0603D	N12	E08	4214	06	22.8	56D	1B C 1.0			C	0513	220	2.4	D
0401	ABST	22	0518E	0518	0520	S10	W32	4213	06	19.8	2D	SF			P	0518	87	1.1	D
0402	LEAR	22	0537	0538	0548	N15	E20	4216	06	23.7	11	SF C 1.3		3	C		38		F
0403	LEAR	22	0633	0633	0646	N14	E18	4216	06	23.6	13	SF		3	C		30		
0404	CATA	22	0755	0755	0805	N02	E90	4223	06	29.0	10	S		2	C	0755	28		
0405	KHAR	22	0810E		0820D	N14	E14	4216	06	23.4	10D	SF			V				D
0406	KHAR	22	0840E		0853D	S20	E55		06	26.6	13D	SF			V	0849			
0407	KHAR	22	0842E		0851D	N11	E19	4216	06	23.8	9D	SF			V	0849			EL
0408	KHAR	22	0842E		0857D	N10	E05	4214	06	22.7	15D	SF			V	0842			
0409		22	0930	09304	1000	S09	E55	4219	06	26.5	30	1B					281	5.3	
	CATA	22	0930	0930	1000	S09	E56	4219	06	26.6	30	2		2	C	0930	281	5.3	
	KANZ	22	0934E	0934	0939D	S09	E54	4219	06	26.4	5D	SB		2					
0410	CATA	22	1000	1000	1020	N15	E17	4216	06	23.7	20	S		2	C	1000	84	.9	
0411	RAMY	22	1206E	1209	1238	N19	E36	4220	06	25.2	32D	SF C 1.2		3	C		80		F
0412	KANZ	22	1403	1403	1408	N17	E11	4216	06	23.4	5	SF		3					
0413		22	14031	14085	1428	S08	E54	4219	06	26.6	25	SN C 2.1					54		F
	KANZ	22	1403	1413	1428	S08	E54	4219	06	26.6	25	SN C 2.1		3					
	RAMY	22	1404	1408	1429	S08	E54	4219	06	26.6	25	SN C 2.1		3	C		54		F

48
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983																				
Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0414	RAMY	22	1610	1612	1627	S08	E53	4219	06	26.6	17	SF		3	C			26		
0415	RAMY	22	1635	1637	1645	S08	E52	4219	06	26.6	10	SN		3	C			27		
0416		22	1725*	1744*	1807	S10	E51	4219	06	26.5	42	SN						47		
	PALE	22	1725	1755	1814	S11	E51	4219	06	26.6	49	SF		3	C			71		
	HOLL	22	1742	1744	1800	S08	E51	4219	06	26.6	18	SN		3	C			23		
0417		22	1759	1800	1821	N18	E17	4216	06	24.0	22	SB						80	U	
	RAMY	22	1759	1800	1820	N17	E17	4216	06	24.0	21	SB		3	C			72	U	
	HOLL	22	1759	1800	1822	N18	E17	4216	06	24.0	23	SB		3	C			87	U	
0418		22	1842	1847	1856	N14	E12	4216	06	23.7	14	SB C 3.3						135	FH	
	RAMY	22	1842	1847	1855	N14	E11	4216	06	23.6	13	SB C 3.3	3	C			126	FH		
	HOLL	22	1842	1847	1858	N14	E13	4216	06	23.8	16	SB C 3.3	3	C			144	F		
		22	2036		2040	No Flare Patrol														
0419	RAMY	22	2054	2055	2107	N15	E11	4216	06	23.7	13	SN C 1.1	3	C				90		
		22	2100		2105	No Flare Patrol														
		22	2117		2138	No Flare Patrol														
		22	2339		2342	No Flare Patrol														
0420		23	0330*	0332*	0351	S14	W40	4213	06	20.1	21	SN						73	1.0 DE	
	CULG	23	0330	0332	0349	S15	W39	4213	06	20.2	19	SN			C	0332	80	1.0		
	TACH	23	0332	0343	0350	S15	W40	4213	06	20.1	18	SB			C	0343	115	1.6	D	
	PEKG	23	0340E	0341	0345	S14	W41	4213	06	20.0	50	SF			P	0341	34	.5	E	
	LEAR	23	0344	0345	0401	S14	W42	4213	06	20.0	17	SF		3	C		63			
0421	ABST	23	0421	0423	0440	N14	W06	4214	06	22.7	19	SF			C	0423	131	1.3	E	
0422		23	0639	0641	0651	S09	E43	4219	06	26.5	12	SN C 1.9					66	1.0	DF	
	ABST	23	0639	0641	0646	S09	E44	4219	06	26.6	7	SN C 1.9			C	0641	87	1.3	D	
	LEAR	23	0639	0642	0651	S08	E43	4219	06	26.5	12	SN C 1.9	3	C		56		F		
	CATA	23	0645E	0645	0655	S10	E42	4219	06	26.4	100	S C 1.9	2	P	0645	56	.8			
0423	CATA	23	0645E	0645	0655	S14	E52	4222C	06	27.2	100	S		2	P	0645	28	.5		
0424		23	1025	1035	1050	N20	E30	4220	06	25.7	25	1N					124	1.5	EU	
	CATA	23	1025	1035	1045	N19	E31	4220	06	25.8	20	1		2	C	1035	169	2.1		
	HTPR	23	1031E		1054	N20	E30	4220	06	25.7	230	SN			C	1033	80	.9	EU	
0425		23	1105	1110	1120	N02	E71	4223	06	28.8	15	1N					84	2.4	E	
	HTPR	23	1105E		1117D	N02	E70	4223	06	28.7	120	1N			C	1112	100	2.4	E	
	CATA	23	1105	1110	1120	N01	E72	4223	06	28.8	15	1		1	C	1110	68			
0426	HTPR	23	1137	1138	1152	N16	E07	4216	06	24.0	15	SF			C	1138	20	.2	E	
0427	HTPR	23	1140		1227D	N19	E22	4220	06	25.2	47D	SN			C	1155	120	1.2	EU	
0428	HTPR	23	1201		1227D	S10	E42	4219	06	26.6	26D	SF			C	1215	40	.5	E	
0429		23	1325*	13461	1355	S10	E42	4219	06	26.7	30	SN					43	.8	EFU	
	RAMY	23	1325	1347	1351	S08	E42	4219	06	26.7	26	SN		3	C		38		F	
	HTPR	23	1334E		1351D	S10	E42	4219	06	26.7	17D	SN			C	1345	60	.8	E	
	HOLL	23	1345E	1346U	1352	S11	E42	4219	06	26.7	70	SF		3	C		31		U	
	KANZ	23	1346	1346	1401	S10	E43	4219	06	26.8	15	SN		1						
0430		23	14374	14374	1452	S07	E40	4219	06	26.6	15	SB C 2.1					51		EF	
	RAMY	23	1437	1437	1452	S07	E39	4219	06	26.5	15	SB C 2.1	3	C		51		FE		
	KANZ	23	1441	1441	1451D	S07	E40	4219	06	26.6	100	SN C 2.1	2							
0431		23	15491	15512	1604	S14	W47	4213	06	20.1	15	SN					42		U	
	RAMY	23	1549	1553	1610	S15	W47	4213	06	20.1	21	SN		3	C		46		U	
	HOLL	23	1550	1551	1559	S13	W47	4213	06	20.1	9	SN		3	C		39			
0432	HOLL	23	1836	1838	1843	N02	E68	4223	06	28.8	7	SF		3	C		16			

H - ALPHA SOLAR FLARES

49
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0433	RAMY	23	2018	2023	2033	S10	W54	4213	06	19.8	15	SF	3	C		26		H
			23 2102		2107													
			23 2112		2137													
0434	PALE	23	2200E	2200U	2227	N17	W01	4216	06	23.8	27D	SF	3	C		62		F
			23 2228		2240													
			23 2248		2304													
0435	LEAR	24	0257	0300	0305	S09	W57	4213	06	19.8	8	SF	3	C		47		
0436		24	0313	03157	0329	S09	W57	4213	06	19.8	16	SF				25		K
	LEAR	24	0313	0315	0329	S09	W57	4213	06	19.8	16	SF	3	C		24		K
	LEAR	24	0313	0322	0329	S09	W57	4213	06	19.8	16	SF	3	C		26		K
0437	LEAR	24	0631	0632	0639	S11	E29	4219	06	26.4	8	SF	3	C		25		F
0438		24	0653*	0654*	0719	S07	E31	4219	06	26.6	26	SN C 2.4				143	1.8	EF
	LEAR	24	0653	0654	0720	S09	E31	4219	06	26.6	27	SN C 2.4	3	C		104		F
	HTPR	24	0653	0700	0718	S08	E30	4219	06	26.5	25	SN C 2.4		C	0700	170	1.9	E
	CATA	24	0655	0655	0655D	S06	E30	4219	06	26.5	25D	S C 2.4	2	P	0655	140	1.7	
	BUCA	24	0655	0658	0720	S07	E31	4219	06	26.6	25	1N C 2.4		C	0658	215	2.6	
	KANZ	24	0658	0658	0718	S08	E31	4219	06	26.6	20	SN C 2.4	3					
	WEND	24	0703	0709	0718	S06	E32	4219	06	26.7	15	SF C 2.4		C	0709	88	1.0	E
0439	LEAR	24	0744	0745	0753	N15	W07	4216	06	23.8	9	SF C 2.0	3	C		25		F
0440	HTPR	24	0943	0950	1015	N13	E22	4220A	06	26.1	32	SN		C	0950	50	.5	E
0441		24	1028*	1034*	1218	N17	W10	4216	06	23.7	110	1N C 3.7				220	2.3	E
	KHAR	24	1024E	1034	1105D	N17	W08	4216	06	23.8	41D	1N		P	1034	210	2.2	E
	HTPR	24	1028	1034	1102	N17	W09	4216	06	23.7	34	1N		C	1034	320	3.2	E
	CATA	24	1035E	1035	1045D	N18	W08	4216	06	23.8	100	1		P	1035	281	3.0	
	HTPR	24	1223	1234	1305	N17	W10	4216	06	23.7	42	SN C 3.7		C	1234	100	1.0	E
	LVOV	24	1225	1234	1247	N18	W17	4216	06	23.2	22	1F C 3.7		C	1234	250	2.6	E
	ATHN	24	1236E	1237	1307D	N15	W08	4216	06	23.9	31D	SB		V	1237	159	1.7	
0442	HTPR	24	1227	1228	1240	S14	E30	4222C	06	26.8	13	SF		C	1228	80		E
0443	HTPR	24	1250	1253	1258	S08	W63	4213	06	19.8	8	SF		C	1253	20	.4	
0444		24	1402	1413	1432	S10	W63	4213	06	19.8	30	SN				36	.6	E
	RAMY	24	1402	1413	1432	S12	W62	4213	06	19.9	30	SF	3	C		42		
	HTPR	24	1413E		1435D	S08	W64	4213	06	19.8	22D	SN		C	1420	30	.6	E
0445		24	16139	1613*	1626	N17	W09	4216	06	24.0	13	SF				51		
	RAMY	24	1613	1613	1619	N17	W09	4216	06	24.0	6	SF	3	C		20		
	RAMY	24	1622	1627	1633	N17	W09	4216	06	24.0	11	SF	3	C		82		
0446	RAMY	24	1652	1659	1706	N17	W09	4216	06	24.0	14	SB C 1.3	3	C		74		
			24 2105		2217													
0447	PALE	24	2219E	2219U	2241D	S08	E22	4219	06	26.6	22D	SF	3	C		25		
			24 2226		2240													
0448		25	00171	0018	0046	S12	E22	4222C	06	26.7	29	SF				35		F
	HOLL	25	0017	0018	0047	S12	E21	4222C	06	26.6	30	SF	3	C		46		F
	LEAR	25	0018	0018	0044	S13	E23	4222C	06	26.7	26	SF	3	C		24		F
0449		25	0055	00551	0107	N13	W34	4214	06	22.5	12	SF				30		
	HOLL	25	0055	0055	0104	N14	W34	4214	06	22.5	9	SF	2	C		22		
	LEAR	25	0055	0056	0110	N12	W33	4214	06	22.5	15	SF	3	C		37		
0450	YUNN	25	0222	0224	0235	N16	W21	4216	06	23.5	13	SN		C		47	.5	

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	X-ray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
						Lat	CMD	Region									(10 ⁻⁶ Disk)	Disk		
0451	YUNN	25	0301	0303	0307	N16	W21	4216	06	23.5	6	SN			C		63	.7		
		25	0403		0408	No Flare Patrol														
		25	0436		0458	No Flare Patrol														
		25	0519		0559	No Flare Patrol														
0452	KHAR	25	0700E		0708D	S06	E11	4219	06	26.1	8D	SF			V	0700			H	
0453		25	0758	0804	0816	S11	E90	4227	07	2.1	18	SN					10		H	
	HTPR	25	0758	0804	0816	S13	E90	4227	07	2.1	18	SF			C	0804	10			
	KHAR	25	0802E	0804	0818D	S09	E90	4227	07	2.1	16D	SN			V	0804			H	
0454	KANZ	25	0919	0924	0934	N18	W75	4209	06	19.7	15	SF		1						
0455	HTPR	25	0928E		0942	S13	E90	4227	07	2.2	14D	SF			C	0935	10			
0456	KANZ	25	0944	0954	1009	S13	W77	4213	06	19.6	25	SF		1						
0457	KHAR	25	1015E		1020D	N11	W39	4214	06	22.5	5D	SF			V	1015			D	
0458	HTPR	25	1017	1024	1028	S02	W58	4225	06	21.1	11	SF			C	1024	60	1.2		
0459	KHAR	25	1038E		1040D	N16	W26	4216	06	23.5	2D	SF			V	1038			L	
0460	HTPR	25	1139	1143	1157	S13	E90	4227	07	2.3	18	SN			C	1143	20			
0461	KHAR	25	1152E	1152	1155D	N13	W40	4214	06	22.5	3D	SF			P				D	
0462	KHAR	25	1152E		1155D	S04	W59	4225	06	21.1	3D	SF			P	1155	45	1.0	D	
0463	HOLL	25	1308	1310	1333	N16	W25	4216	06	23.6	25	SF		3	C		25			
0464	HOLL	25	1424	1428	1435	N18	W06	4217	06	25.1	11	SF		3	C		36			
0465	HOLL	25	1455	1456	1504	N13	W41	4214	06	22.5	9	SF		3	C		20			
0466		25	2017	2027U	2059D	S10	E10	4219	06	26.6	42D	SF	C 2.0				102		F	
	HOLL	25	2017	2027U	2059D	S10	E10	4219	06	26.6	42D	SF	C 2.0	2	C		117		F	
	PALE	25	2029E	2030U	2049D	S09	E10	4219	06	26.6	20D	SF	C 2.0	3	C		86			
0467		25	2051	2052U	2118D	S08	E86	4227	07	2.3	27D	SN	M 4.0				66			
	PALE	25	2051	2052U	2118D	S07	E89	4227	07	2.5	27D	SN	M 4.0	3	C		58			
	HOLL	25	2057E	2057U	2116D	S09	E83	4227	07	2.1	19D	SN	M 4.0	2	C		73			
		25	2128		2137	No Flare Patrol														
		25	2159		2205	No Flare Patrol														
0468	HOLL	25	2207	2207	2214	N14	W46	4214	06	22.4	7	SF	C 3.0	3	C		25			
0469	HOLL	25	2325	2326	2335	N19	W11	4217	06	25.1	10	SF		3	C		29			
0470	YUNN	26	0049	0104	0110	S11	E73	4227	07	1.5	21	SN			C		16			
		26	0139		0142	No Flare Patrol														
		26	0156		0210	No Flare Patrol														
0471	YUNN	26	0235E	0235U	0239	N07	E40	4223	06	29.1	4D	SN			P	0235	63	.8		
		26	0301		0322	No Flare Patrol														
		26	0358		0415	No Flare Patrol														
0472		26	0436	04533	0503	S12	E90	4227	07	3.0	27	SN	M 5.5						A	
	LEAR	26	0436	0453	0503	S12	E90	4227	07	3.0	27	SN	M 5.5	3	C					
	YUNN	26	0443E	0456	0506D	S11	E90	4227	07	3.0	23D		M 5.5		P				A	
0473		26	0443E	0453	0506	S06	E78	4227B	07	2.0	23D	1B	M 5.5				156		ADEY	
	YUNN	26	0443E	0453	0506	S07	E75	4227B	07	1.8	23D	SB			P		47		D	
	TACH	26	0446E		0500D	S04	E80	4227B	07	2.2	14D	1B	M 5.5		C	0446	265		AEY	

H - ALPHA SOLAR FLARES

51
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0474	YUNN	26	0533E	0534U	0537	N12	W04	4220A	06	25.9	4D	SN			P	0534	126	1.3	
0475		26	06073	06082	0626	S07	E03	4219	06	26.5	19	SF					128	1.5	EF
	KANZ	26	0607E		0612D	S07	E04	4219	06	26.5	5D	SF		1					
	LEAR	26	0607	0608	0622	S08	E04	4219	06	26.5	15	SF		3	C		80		F
	BUCA	26	0610E		0630	S07	E03	4219	06	26.5	20D	SF			P	0610	129	1.3	E
	CATA	26	0610	0610	0630	S08	E03	4219	06	26.5	20	S		1	C	0610	112	1.2	
	YUNN	26	0611E	0611U	0623	S06	E04	4219	06	26.5	12D	SN			P	0611	189	2.0	
0476	KANZ	26	0744	0744	0754	N09	W51	4214	06	22.5	10	SF		1					
0477	KHAR	26	0820E		0836D	N19	W17	4217	06	25.0	16D	SF			V				L
0478	ATHN	26	0922E	0925	0935	S12	E21	4222C	06	28.0	13D	SN		3	V	0925	48	.6	
0479	KANZ	26	0929		0929	S11	E13	4222C	06	27.4	13	SF		1					
0480		26	13283	13341	1341	S10	E80	4227	07	2.6	13	SF	C 1.1				61		
	HOLL	26	1328	1334	1337	S09	E78	4227	07	2.4	9	SF		3	C		89		
	ATHN	26	1329	1335	1341	S13	E84	4227	07	2.9	12	SN	C 1.1	3	V	1335	48		
	RAMY	26	1331	1335	1344	S07	E78	4227	07	2.4	13	SF	C 1.1	3	C		46		
0481		26	1407	14122	1510	S13	E78	4227	07	2.5	63	3B	M 7.0				473		FH
	HOLL	26	1407	1412	1512	S13	E76	4227	07	2.3	65	2B	M 7.0	3	C		294		FH
	RAMY	26	1407	1414	1508	S13	E80	4227	07	2.6	61	3B	M 7.0	3	C		652		F
0482	RAMY	26	2023	2027	2031	S06	E76	4227	07	2.5	8	SF		3	C		25		
0483		26	21295	2156*	2245	N14	W56	4214	06	22.7	76	SF	C 2.0				52		F
	RAMY	26	2129	2156	2205D	N13	W56	4214	06	22.7	36D	SF		3	C		72		
	HOLL	26	2134	2213	2245	N15	W56	4214	06	22.6	71	SF	C 2.0	3	C		32		F
0484		26	2305	23084	2327	S12	W05	4222B	06	26.6	22	SN	C 1.8				66	.5	EF
	HOLL	26	2305	2308	2327	S11	W05	4222B	06	26.6	22	SN	C 1.8	3	C		83		F
	PEKG	26	2309E	2312	2317D	S12	W05	4222B	06	26.6	8D	SF	C 1.8		P	2312	50	.5	E
0485		27	01524	02017	0230	N12	W14	4222	06	26.0	38	SN	C 1.5				108	1.8	BEF
	LEAR	27	0152	0208	0238	N11	W14	4222	06	26.0	46	SF	C 1.5	3	C		59		
	YUNN	27	0154	0205	0205D	N12	W14	4222	06	26.0	11D	IN	C 1.5		P		220	2.4	
	PALE	27	0156	0201	0214	N12	W15	4222	06	25.9	18	SF	C 1.5	3	C		29		F
	PEKG	27	0159E	0204	0225D	N13	W14	4222	06	26.0	26D	SN	C 1.5		P	0204	122	1.3	E
	YUNN	27	0209E	0209U	0237	N12	W15	4222	06	25.9	28D		C 1.5		C	0209			B
0486	BUCA	27	0645E		0710	N16	W46	4216	06	23.8	25D	SF			C	0645	43	.7	D
0487		27	0722*	0726*	0802	S12	W09	4222B	06	26.6	40	SN	C 1.0				88	1.0	EFKLT
	ATHN	27	0722	0726	0809	S13	W10	4222B	06	26.5	47	SB	C 1.0	3	V	0728	95	1.0	
	LEAR	27	0724	0729	0800	S12	W09	4222B	06	26.6	36	SF	C 1.0	3	C		63		K
	KANZ	27	0724	0729	0827D	S12	W09	4222B	06	26.6	63D	SN	C 1.0	2					
	LEAR	27	0724	0741	0800	S12	W09	4222B	06	26.6	36	SF		3	C		67		FK
	BUCA	27	0725	0740U	0805	S12	W09	4222B	06	26.6	40	SN			C	0740	107	1.1	E
	KAND	27	0731	0733	0751	S14	W10	4222B	06	26.5	20	SN			C		42	.5	E
	ISTA	27	0735		0755	S12	W10	4222B	06	26.6	20	SF							E
	CATA	27	0735	0745	0815	S12	W10	4222B	06	26.6	40	S		2	C	0745	140	1.5	T
	KHAR	27	0741E	0742	0800D	S13	W10	4222B	06	26.6	19D	SN			P	0750	100	1.1	EL
0488	KHAR	27	0741E	0746	0753D	N17	W53	4216	06	23.3	12D	SF			P	0750	30	.5	E
0489		27	13513	13561	1402	N16	W48	4216	06	23.9	11	SN					51		
	RAMY	27	1351	1356	1403	N15	W50	4216	06	23.8	12	SN		3	C		52		
	HOLL	27	1354	1357	1400	N18	W46	4216	06	24.1	6	SF		3	C		50		
0490	HOLL	27	1554	1554	1601	N15	W71	4214	06	22.3	7	SF		3	C		27		
0491	HOLL	27	1649	1711	1732	S08	W16	4219	06	26.5	43	SF		3	C		77		F
0492	HOLL	27	1746	1746	1801	S13	E58	4227	07	2.1	15	SF		3	C		19		

52
Jun 83

H - ALPHA SOLAR FLARES

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0493		27	18032	18052	1818	S08	E62	4227	07	2.4	15	SF					38		
	HOLL	27	1803	1807	1822	S08	E63	4227	07	2.5	19	SF		3	C		44		
	PALE	27	1805	1805	1815	S07	E62	4227	07	2.4	10	SF		3	C		31		
0494	HOLL	27	1847	1847	1905	N16	W54	4216	06	23.7	18	SF		3	C		18		
0495		27	1847	1900*	1943	S12	E61	4227	07	2.4	56	SN C 2.2					120		FK
	HOLL	27	1847	1900	1946	S12	E61	4227	07	2.4	59	SN		3	C		78		K
	HOLL	27	1847	1913	1946	S12	E61	4227	07	2.4	59	IN C 2.2		3	C		194		K
	PALE	27	1855E	1916U	1937	S12	E62	4227	07	2.4	420	SF C 2.2		3	C		88		F
0496	HOLL	27	1952	1956	2003	S09	W18	4219	06	26.5	11	SF		3	C		21		F
		27	2021		2034	No Flare Patrol													
		27	2040		2100	No Flare Patrol													
0497	HOLL	27	2106	2112	2115D	S10	E58	4227	07	2.2	90	SF C 1.0		3	C		41		F
		27	2116		2120	No Flare Patrol													
0498	LEAR	28	0035	0039	0049	S20	E70	4230	07	3.4	14	SF		3	C				
0499		28	01254	0131	0155	S09	E55	4227	07	2.2	30	SN C 5.6					134	1.8	EF
	LEAR	28	0125	0131	0203	S09	E54	4227	07	2.1	38	IN C 5.6		3	C		175		F
	PALE	28	0127	0131	0156	S09	E55	4227	07	2.2	29	SN C 5.6		3	C		131		F
	PEKG	28	0129	0131	0145	S09	E55	4227	07	2.2	16	SB C 5.6				0131	97	1.8	E
0500		28	02485	02531	0317	S07	E57	4227B	07	2.4	29	1B M 1.2					191	2.9	EF
	LEAR	28	0248	0254	0323	S08	E58	4227B	07	2.5	35	1B M 1.2		3	C		218		F
	PEKG	28	0250	0254	0314	S07	E56	4227B	07	2.3	24	1B M 1.2				0254	155	2.9	E
	PALE	28	0253	0253	0314	S07	E56	4227B	07	2.3	21	1N M 1.2		3	C		201		
0501	LEAR	28	0256	0302	0319	N15	W71	4214	06	22.7	23	SF		3	C		12		
0502	HTPR	28	0600E		0930	S16	E65	4230	07	3.2	2100	1F			C	0752	160	3.4	EK
0503	KHAR	28	1046E	1047	1050D	N12	W35	4222	06	25.8	4D	SF			P				
0504	KHAR	28	1158E	1201	1214D	S18	E70	4230	07	3.8	16D	SF			P				D
0505		28	1157E	1158	1203D	N16	W85	4214	06	22.0	6D	1N					60		E
	KHAR	28	1157E	1158	1203D	N15	W85	4214	06	22.1	6D	SF			P				E
	HTPR	28	1159E		1159D	N16	W85	4214	06	22.0	6D	1N			C	1159	60		
0506		28	1222	1308*	1354	S18	E66	4230	07	3.5	92	1N					112		K
	RAMY	28	1222	1308	1354	S18	E66	4230	07	3.5	92	SN		3	C		107		K
	RAMY	28	1222	1329	1354	S18	E66	4230	07	3.5	92	1N		3	C		118		K
0507		28	13231	13241	1330	N16	W58	4216	06	24.1	7	SF					26	.4	
	HTPR	28	1323	1324	1332	N16	W58	4216	06	24.1	9	SF			C	1324	20	.4	
	RAMY	28	1324	1325	1328	N16	W57	4216	06	24.2	4	SF		3	C		31		
0508	HTPR	28	1400		1449D	S16	E61	4230	07	3.2	49D	SF			C	1408	60	1.2	E
0509		28	1439	1440	1444	N17	W60	4216	06	24.0	5	SF					32		
	HOLL	28	1439	1440	1444	N18	W59	4216	06	24.1	5	SF		3	C		46		
	RAMY	28	1439	1440	1444	N16	W60	4216	06	24.0	5	SF		3	C		19		
0510	RAMY	28	1440	1507	1536	S18	E64	4230	07	3.5	56	SN		3	C		67		
0511	RAMY	28	1523	1550	1552D	N16	W61	4216	06	24.0	29D	1F C 2.2		3	C		125		F
0512	PALE	28	1704	1705	1722	S17	E62	4230	07	3.4	18	SF		3	C		49		
0513	HOLL	28	1722	1722	1731	N18	W62	4216	06	24.0	9	SF		3	C		15		
0514		28	1744*	1758*	1817	N16	W62	4216	06	24.0	33	SN					21		
	PALE	28	1744	1758	1812	N16	W62	4216	06	24.0	28	SF		3	C		15		
	HOLL	28	1751	1759	1810	N18	W62	4216	06	24.0	19	SF		3	C		20		
	RAMY	28	1751	1815	1825	N16	W62	4216	06	24.0	34	SN		3	C		16		
	HOLL	28	1814	1814	1822	N15	W63	4216	06	24.0	8	SN		3	C		32		

H - ALPHA SOLAR FLARES

53
Jun 83

JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	Apparent (10 ⁻⁶ Disk)	Disk		
0515		28	18352	18354	1846	N17	W63	4216	06	24.0	11	SF						18		
	PALE	28	1835	1835	1845D	N16	W63	4216	06	24.0	10D	SF		3	C			14		
	HOLL	28	1837	1839	1846	N18	W63	4216	06	24.0	9	SF		3	C			21		
0516	PALE	28	2037	2039	2048	S17	E62	4230	07	3.6	11	SF		3	C			28		
0517	HOLL	28	2357	2358	2417	N13	W40	4222	06	26.0	20	SF		3	C			32		F
0518	CULG	29	0004	0008	0024	S21	E54	4230	07	3.1	20	SF			C	0008		50		.7
0519	HOLL	29	0030	0030	0044	N18	W38	4220	06	26.1	14	SF		3	C			20		
0520	HOLL	29	0038E	0038U	0145D	N09	W57	4216	06	24.7	67D	SF		2	C			120		
0521	HOLL	29	0044	0047	0052	N19	W67	4216	06	23.9	8	SF		3	C			19		
0522		29	04223	0346*	0459	N13	W45	4222	06	25.8	37	SF						78		1.3
	LEAR	29	0343E	0346	0501	N14	W46	4222	06	25.7	78D	SF		3	C			44		FK
	LEAR	29	0343E	0421	0501	N14	W46	4222	06	25.7	78D	SF		3	C			118		K
	PALE	29	0422	0427	0429D	N11	W43	4222	06	25.9	7D	SF		3	C			64		F
	PEKG	29	0425	0435	0455	N12	W44	4222	06	25.9	30	SN			C	0435		88		1.3
0523		29	0358*	04019	0414	S07	E42	4227B	07	2.3	16	SN	C 1.8					143		1.7
	CULG	29	0358	0402	0413	S06	E43	4227B	07	2.4	15	1B	C 1.8		C	0402		250		3.4
	LEAR	29	0358	0402	0417	S07	E41	4227B	07	2.2	19	1N	C 1.8	3	C			180		J
	PALE	29	0358	0402	0417	S07	E42	4227B	07	2.3	19	SN	C 1.8	3	C			173		FH
	PEKG	29	0400E	0401	0406	S07	E43	4227B	07	2.4	6D	SN	C 1.8		P	0401		80		1.1
	PEKG	29	0408	0410	0416	S08	E43	4227B	07	2.4	8	SF			C	0410		34		.5
0524		29	0549E	0553	0600	N11	W44	4222	06	25.9	11D	SF						56		1.3
	LEAR	29	0549E	0553U	0557	N10	W44	4222	06	25.9	8D	SF		2	C			24		
	ABST	29	0553E	0553	0603	N12	W45	4222	06	25.8	10D	SF			P	0553		87		1.3
0525	HTPR	29	0631	0634	0640	N15	W90	4214	06	22.4	9	SN			C	0634		30		A
0526		29	0637*	06521	0703	N12	W44	4222	06	26.0	26	SN						87		1.3
	KANZ	29	0637	0652	0710D	N11	W43	4222	06	26.0	33D	SN		3						
	ABST	29	0650	0653	0703	N12	W45	4222	06	25.9	13	SN			C	0653		87		1.3
0527	HTPR	29	0640	0642	0646	N16	W78	4216	06	23.4	6	SF			C	0642		10		
0528		29	06596	07046	0725	S22	E49	4230	07	3.0	26	SF						34		.5
	HTPR	29	0659	0704	0725	S23	E49	4230	07	3.1	26	SF			C	0704		30		.5
	LEAR	29	0700E	0704U	0704D	S20	E46	4230	07	2.8	4D	SF		2	C			39		
	KANZ	29	0705	0710	0710D	S23	E51	4230	07	3.2	5D	SF		3						
0529		29	0740*	07505	0816	S20	E52	4230	07	3.3	36	SF						35		.6
	HTPR	29	0740	0750	0826	S23	E49	4230	07	3.1	46	SN			C	0750		50		.8
	KHAR	29	0747E	0751	0814D	S21	E50	4230	07	3.1	27D	SF			P					D
	HTPR	29	0754	0755	0805	S17	E56	4230	07	3.6	11	SF			C	0755		20		.3
0530	HTPR	29	0746	0751	0815	S10	E37	4227	07	2.1	29	SF			C	0751		20		.2
0531		29	08414	0852*	0928	N11	W47	4222	06	25.8	47	SN						71		1.2
	HTPR	29	0841	0852	0933	N11	W45	4222	06	26.0	52	SF			C	0852		50		.7
	LEAR	29	0845	0859U	0900D	N12	W45	4222	06	26.0	15D	SF		3	C			47		F
	KHAR	29	0859E	0906	0937D	N10	W49	4222	06	25.7	38D	1N			V	0901		140		2.1
	YUNN	29	0904E	0907	0924	N11	W48	4222	06	25.8	20D	SB			P			47		.7
0532	HTPR	29	0904	0912	0927	N17	W43	4220	06	26.1	23	SN			C	0912		20		.3
0533	HTPR	29	0949	0956	1013	S07	E37	4227B	07	2.2	24	SN			C	0956		30		.4
0534	HTPR	29	0952	0955	1000	S13	E22	4223B	07	1.1	8	SF			C	0955		10		.1
0535	HTPR	29	0953	0956	1000	N15	W90	4214	06	22.6	7	SN			C	0956		30		
0536	HTPR	29	1107	1109	1113	N18	W73	4216	06	23.9	6	SF			C	1109		30		

54
Jun 83

H - ALPHA SOLAR FLARES

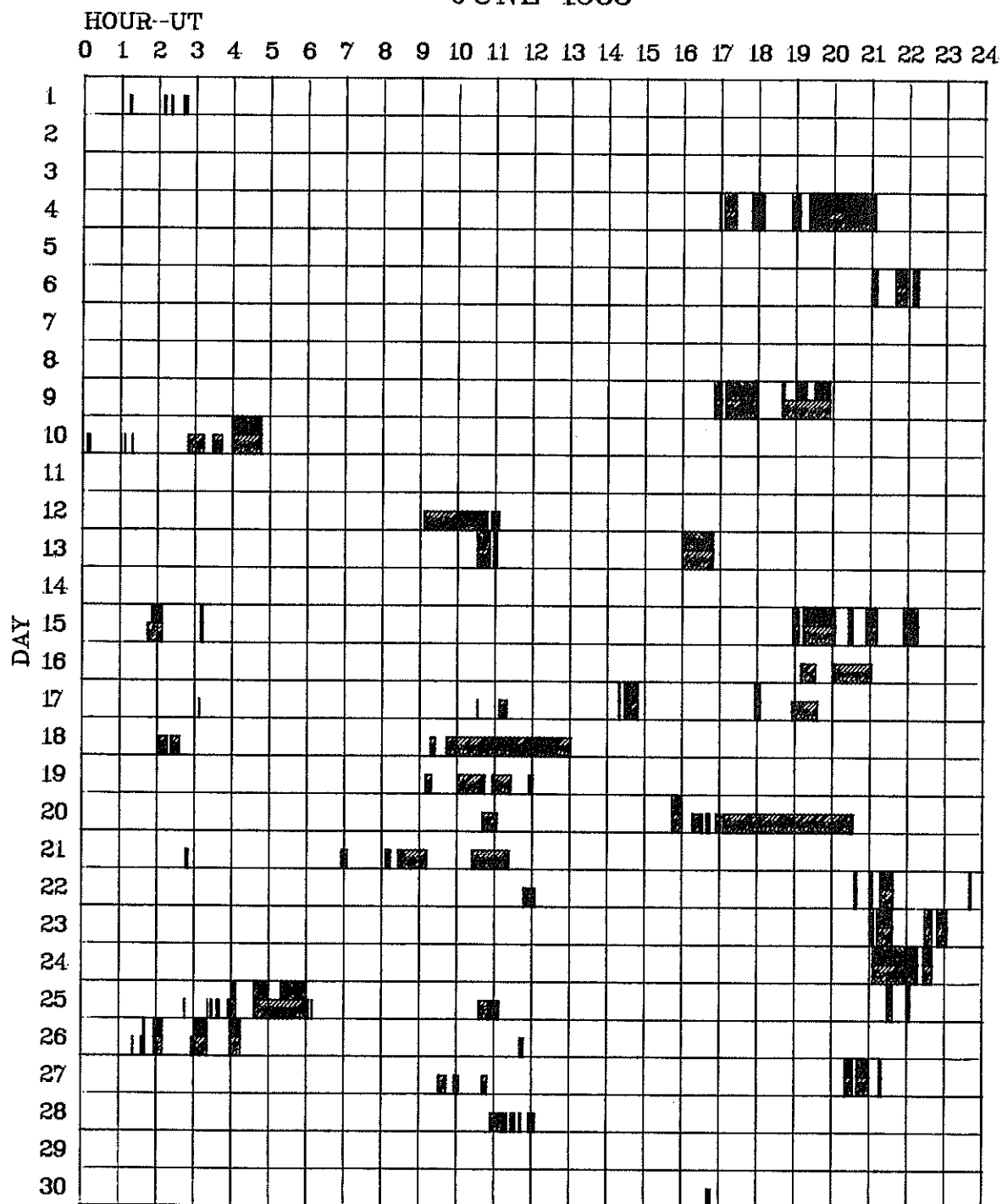
JUNE 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	(10 ⁻⁶ Disk)	(Sq Deg)		
0537	HTPR	29	1223	1227	1240	N15	W90	4214	06	22.7	17	SB			C	1227	40			
0538	29	1245*	1252	1321	S09 E38	4227			07	2.4	36	SF C 1.4					19	.2	F	
	HTPR	29	1245		1305D	S10 E39	4227		07	2.5	200	SF C 1.4			C	1245	10	.1		
	RAMY	29	1247	1252	1321	S11 E38	4227		07	2.4	34	SF C 1.4	3		C		26		F	
	HTPR	29	1256		1305D	S07 E36	4227		07	2.2	9D	SF			C	1257	20	.2		
0539	RAMY	29	1315	1323	1350	N10	W49	4222	06	25.9	35	SN		3	C		118			
0540	HOLL	29	1558	1559	1603	N12	W51	4222	06	25.8	5	SF C 1.0	3		C		19		F	
0541	RAMY	29	1605	1612	1627	S19	E50	4230	07	3.5	22	SF		3	C		34			
0542	PALE	29	1757	1758	1803	S18	E47	4230	07	3.3	6	SF		3	C		38			
0543	HOLL	29	1851	1851	1856	N14	W48	4222	06	26.1	5	SN		3	C		22		F	
0544	29	19461	19511	1958	S19 E50	4230			07	3.6	12	SN					76			
	HOLL	29	1946	1951	1957	S20 E49	4230		07	3.6	11	SN		3	C		79			
	PALE	29	1947	1952	1959	S18 E50	4230		07	3.6	12	SN		3	C		74			
0545	HOLL	29	2035	2036	2041	S22	E45	4230	07	3.3	6	SF		3	C		29			
0546	HOLL	29	2125E	2126U	2147	N09	W52	4222	06	26.0	22D	SF C 1.3	2		C		70			
0547	29	23426	23493	2410	S11 E32	4227			07	2.4	28	SN M 1.2					92		F	
	PALE	29	2342	2349	2415	S11 E32	4227		07	2.4	33	SN M 1.2	3		C		144		F	
	HOLL	29	2348	2352	2405	S11 E32	4227		07	2.4	17	SN M 1.2	2		C		40		F	
0548	HOLL	29	2348	2352	2405	S07 E28	4227A		07	2.1	17	SN		2	C		40		F	
0549	30	0029	0039	0110	N10 W57	4222			06	25.7	41	SN					100	1.5		
	YUNN	30	0029	0039	0110	N10 W57	4222		06	25.7	41	SN			C		79	1.5		
	HOLL	30	0038E	0038U	0145D	N09 W57	4222		06	25.7	67D	SF		2	C		120			
0550	30	01331	01342	0146	S08 E28	4227			07	2.2	13	SF					46	.6	F	
	MANI	30	0133	0136	0146	S08 E27	4227		07	2.1	13	SF		1	V		50	.6	F	
	PALE	30	0134	0134	0146	S09 E28	4227		07	2.2	12	SF		3	C		42		F	
0551	30	01361	01381	0143	N11 W56	4222			06	25.8	7	SF					28	.6		
	MANI	30	0136	0138	0144	N11 W55	4222		06	25.9	8	SF		1	V		35	.6		
	PALE	30	0137	0139	0142	N11 W56	4222		06	25.8	5	SF		3	C		22			
0552	ABST	30	0445	0446	0450	N13	W65	4220	06	25.3	5	SF			C	0446	87		DJV	
0553	ABST	30	0507	0511	0551	N13	W66	4220	06	25.2	44	SN			C	0529	87		DJ	
0554	30	06482	06505	0702	N12 W60	4222			06	25.8	14	1N					118	2.1	EFJ	
	LEAR	30	0648	0655U	0655D	N09 W58	4222		06	25.9	7D	SF		3	C		41		F	
	CATA	30	0650	0650	0700	N14 W57	4222		06	26.0	10	1		2	C	0650	112	2.1		
	KANZ	30	0650	0655	0704	N12 W58	4222		06	25.9	14	SB		2						
	ABST	30	0650	0655	0705D	N12 W68	4222		06	25.2	15D	1F			P	0656	201		EJ	
0555	KHAR	30	0735E		0803D	N11	W62	4222	06	25.6	28D	SN			V	0735			EL	
0556	KHAR	30	0815E	0825	0838D	N13	E62		07	5.0	23D	SF			P				DL	
0557	KHAR	30	1002E		1013D	N16	W90	4216	06	23.6	11D	SF			V	1002			L	
0558	30	17441	17473	1759	N11 W64	4222			06	25.9	15	SF C 1.7					33		F	
	PALE	30	1744	1747	1754	N10 W64	4222		06	25.9	10	SF C 1.7	3		C		38		F	
	RAMY	30	1744	1750	1802	N10 W65	4222		06	25.8	18	SF C 1.7	3		C		25			
	HOLL	30	1745	1748	1801	N12 W64	4222		06	25.9	16	SF C 1.7	3		C		37		F	
0559	30	18102	1817	1846	S11 E21	4227			07	2.3	36	SB C 4.4					122		FH	
	HOLL	30	1810	1817	1850	S11 E21	4227		07	2.3	40	SB C 4.4	3		C		154		FH	
	PALE	30	1812	1821U	1843	S11 E21	4227		07	2.3	31	SN C 4.4	3		C		90			
0560	PALE	30	2335	2335	2345D	N11	W68	4222	06	25.9	10D	SF C 1.9	3		C		16			
0561	HOLL	30	2348	2352	2405	S07 E28	4227		07	3.1	17	SN		2	C		40		F	

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

55
Jun 83

JUNE 1983



Times of no flare patrol, shown here as shaded areas, combine reports from the observatories listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind, that is, of neither visual nor cinematographic; portions of a panel with only the bottom half shaded mark times of strictly visual patrol.

Abastumani
Athens
Bucharest
Catania

Culgoora
Haute Provence
Holloman
Istanbul
Kandilli

Kanzelhoehe
Kharkov
Learmonth
Lvov
Manila

Mitaka
Monte Mario
Palehua
Peking
Purple Mt.

Ramey
Tashkent
Voroshilov
Wendelstein
Yunnan

56
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0001	ABST	01	0413E	0415	0437	N12	W70	4222	06	26.0	24D	1F			P	0415	79		DJ
0002	KANZ	01	0734	0739	0748	N10	W73	4222	06	25.9	14	SN		2					
0003	YUNN	01	0808E	0810	0813	S19	E84	4235	07	7.7	5D	SN			P		31		A
0004		01	0843	0913	0922	N10	W78	4222	06	25.6	39	SN							D
	KANZ	01	0843	0913	0922	N10	W78	4222	06	25.6	39	SN		3					
	KHAR	01	0907E		0924D	N10	W79	4222	06	25.5	17D	SF			P				D
0005	KHAR	01	0850E	0857	0907D	S22	E12	4230	07	2.3	17D	SF			P				D
0006		01	0924E	0934	0947D	S08	E14	4227B	07	2.4	23D	SF							D
	KHAR	01	0924E	0934	0937D	S08	E14	4227B	07	2.4	13D	SF			P				D
	KHAR	01	0944E		0947D	S08	E14	4227B	07	2.4	3D	SF			P				D
0007	CATA	01	1045	1045	1055	S13	W06	4223B	07	1.0	10	S		1	C	1045	56	.6	
		01	1148		1152	No Flare Patrol													
0008	RAMY	01	1153	1209	1239	N11	W75	4222	06	25.9	46	SF		3	C		45		
		01	1157		1211	No Flare Patrol													
0009	RAMY	01	1218	1221	1235	S10	E11	4227	07	2.3	17	SF		3	C		28		
0010		01	1332	1335	1440	S10	E10	4227	07	2.3	68	1B	M 1.7				411		EZ
	RAMY	01	1332	1335	1339D	S11	E11	4227	07	2.4	7D	1B	M 1.7	3	C		340		
	HOLL	01	1332	1336	1440	S10	E10	4227	07	2.3	68	1B		3	C		482		ZE
		01	1700		1706	No Flare Patrol													
0011	HOLL	01	1811	1830	1833	N12	W77	4222	06	26.0	22	SF		3	C		17		
0012	HOLL	01	1902	1903	1907	N12	W78	4222	06	26.0	5	SF		3	C		12		
0013	PALE	01	2141	2147	2153	S18	E78	4235	07	7.8	12	SF		3	C		19		
0014	PALE	01	2216	2216	2221	S18	E78	4235	07	7.9	5	SF		3	C		12		
0015		01	2229	2230	2238	S06	E04	4227	07	2.2	9	SN					36		F
	HOLL	01	2229	2230	2237	S06	E04	4227	07	2.2	8	SN		3	C		49		F
	PALE	01	2230	2233U	2238	S07	E03	4227	07	2.2	8	SF		3	C		22		F
0016		01	2342	2342	2348	S10	E04	4227	07	2.3	6	SF					44	.6	
	CULG	01	2342	2342	2346	S10	E04	4227	07	2.3	4	SF			C	2342	60	.6	
	PALE	01	2342	2343	2349	S11	E05	4227	07	2.4	7	SF		3	C		27		
0017		02	0007	0009	0022	S20	E80	4235	07	8.1	15	SF					14		
	HOLL	02	0007	0009	0028	S20	E75	4235	07	7.7	21	SF		3	C		18		
	LEAR	02	0009E	0009U	0017	S19	E84	4235	07	8.4	8D	SF		3	C		10		
0018	LEAR	02	0135	0136	0148	S19	E85	4235	07	8.5	13	SF		2	C		13		F
0019	LEAR	02	0443	0443	0450	S21	E75	4235	07	7.9	7	SF	C 1.0	3	C		16		
0020		02	0613	0616	0638	S10	E02	4227	07	2.4	25	SF					120	1.4	F
	ABST	02	0613	0616	0633	S10	E01	4227	07	2.3	20	SF			C	0616	131	1.4	F
	LEAR	02	0614	0617	0642	S11	E02	4227	07	2.4	28	SF		3	C		108		
0021		02	0742	0743	0759	S08	W02	4227	07	2.2	17	SF	C 1.7				37		F
	LEAR	02	0742	0743	0759	S08	W02	4227	07	2.2	17	SF	C 1.7	3	C		37		F
	KHAR	02	0752E		0810D	S07	W02	4227	07	2.2	18D	SF			V	0754			
0022	KHAR	02	0810E	0810	0830D	S21	E78	4235	07	8.3	20D	1F			P				D
0023		02	0836E	0840*	0913D	N09	W89		06	25.8	37D	1F							DE
	KHAR	02	0836E	0840	0853D	N09	W89		06	25.8	17D	1F			P				E
	KHAR	02	0900E	0903	0913D	N09	W89		06	25.8	13D	SF			P				D

H - ALPHA SOLAR FLARES

57
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	Remarks
0024		02	0915	0850*	0935	S12	W01	4227C	07	2.3	20	SN					84	.9	CD
	KHAR	02	0846E	0850	0853D	S12	W01	4227C	07	2.3	7D	SF			P				D
	KHAR	02	0912E	0916	0947D	S12	W01	4227C	07	2.3	35D	SN			P				C
	CATA	02	0915	0920	0935	S11	W01	4227C	07	2.3	20	S		2	C	0920	84	.9	
	KHAR	02	0921E		0957D	S12	W01	4227C	07	2.3	36D	SN			V	0921			
0025	LEAR	02	0850	0854	0907	S20	E71	4235	07	7.8	17	SF		3	C				
		02	1006		1011	No Flare Patrol													
0026	KHAR	02	1012E	1021	1037D	S09	E85	4236	07	8.8	25D	SF			V	1017			
0027	KHAR	02	1053E	1056	1130D	S21	E78	4235	07	8.4	37D	1N			P				E
0028	HOLL	02	1329	1335	1341	S10	E76	4234	07	8.3	12	SF	C 1.7	2	C		16		
0029		02	1204*	1412*	1530	S20	E67	4235	07	7.6	206	1N	C 1.0				66		
	RAMY	02	1204	1412	1536	S21	E64	4235	07	7.4	212	1F	C 1.0	3	C		75		
	HOLL	02	1505	1510	1524	S20	E70	4235	07	8.0	19	SN		3	C		56		
0030		02	15401	1550	1606	S20	E68	4235	07	7.8	26	1N					62		
	RAMY	02	1540	1550	1607	S20	E68	4235	07	7.8	27	1F		3	C		62		
	HOLL	02	1541	1550	1605	S21	E68	4235	07	7.9	24	SN		3	C		62		
0031	HOLL	02	1627	1637	1659	S20	E68	4235	07	7.9	32	SF		3	C		45		
0032	HOLL	02	1731E	1735	1805	S21	E69	4235	07	8.0	34D	SN		3	C		69		F
0033	HOLL	02	1813	1814	1831	S20	E69	4235	07	8.0	18	SN		3	C		22		
0034		02	1840*	1905*	1933	S20	E67	4235	07	7.9	53	SN	C 1.9				56		FK
	HOLL	02	1840	1906	1942D	S21	E69	4235	07	8.1	62D	SF	C 1.9	3	C		23		K
	HOLL	02	1840	1923	1942D	S21	E69	4235	07	8.1	62D	SN		3	C		68		K
	PALE	02	1847	1905	1912	S20	E65	4235	07	7.7	25	SN		3	C		25		F
	PALE	02	1918	1931	1954	S20	E65	4235	07	7.8	36	SN		3	C		106		F
0035	HOLL	02	2020E	2020U	2049D	S18	E66	4235	07	7.9	29D	SF		3	C		38		
0036		02	21567	21568	2210	S20	E66	4235	07	8.0	14	SF	C 2.5				32		
	PALE	02	2106E	2106U	2142D	S19	E64	4235	07	7.8	36D	SN	C 2.5	3	C		32		
	PALE	02	2156	2156	2202	S20	E67	4235	07	8.0	6	SF		3	C		40		
	HOLL	02	2203	2204	2219	S21	E66	4235	07	8.0	16	SF		3	C		25		
0037		02	2221*	2232*	2242	S20	E64	4235	07	7.8	21	SF					17		F
	HOLL	02	2221	2232	2236	S21	E63	4235	07	7.8	15	SF		3	C		12		
	PALE	02	2240	2245	2248	S20	E65	4235	07	7.9	8	SF		3	C		22		F
0038	HOLL	02	2257	2302	2323	S21	E62	4235	07	7.7	26	SF		3	C		25		
0039	HOLL	02	2329	2330	2336	S11	E72	4234	07	8.4	7	SF		3	C		29		
0040		02	2336*	2338*	2352	S21	E62	4235	07	7.7	16	SF	C 1.9				23		
	HOLL	02	2336	2338	2343	S22	E61	4235	07	7.7	7	SF	C 1.9	3	C		30		
	HOLL	02	2346	2348	2356	S22	E61	4235	07	7.7	10	SF		3	C		26		
	PALE	02	2348	2349	2358	S20	E63	4235	07	7.8	10	SF		3	C		13		
0041	PALE	03	0010	0010	0014	S20	E62	4235	07	7.7	4	SF	C 1.8	3	C		31		
0042		03	0052*	00549	0106	S22	E63	4235	07	7.9	14	SN					62	2.2	EJ
	CULG	03	0052	0054	0059D	S20	E63	4235	07	7.8	7D	1F			P	0054	90	2.2	J
	LEAR	03	0053	0101	0106	S22	E62	4235	07	7.8	13	SF		3	C		35		
	PURP	03	0102	0103	0104D	S23	E63	4235	07	7.9	2D	SB			C	0103	60		E
0043		03	01301	01321	0146	S22	E62	4235	07	7.8	16	SN	C 1.9				67		E
	PURP	03	0130	0132	0205D	S23	E63	4235	07	7.9	35D	SB			C	0132	73		E
	PALE	03	0131	0133	0146	S20	E62	4235	07	7.8	15	SF	C 1.9	3	C		61		
0044		03	0317	0318	0331	S11	W10	4227	07	2.4	14	SF					32	.5	F
	PALE	03	0312E	0315U	0331	S10	W10	4227	07	2.4	19D	SF		3	C		21		F
	PURP	03	0317	0318	0340D	S12	W10	4227	07	2.4	23D	SF			C	0318	42	.5	

58
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0045	PEKG	03	0342	0343	0350	S12	W86	4228	06	26.8	8	SF	C 1.1		C	0343	42		D
0046	LEAR	03	0401	0403	0410	S22	E60	4235	07	7.8	9	SF		3	C		30		
0047	LEAR	03	0439	0441	0458	S22	E60	4235	07	7.8	19	SF	C 1.8	3	C		39		
0048	ABST	03	0600	0601	0606	S21	E64	4235	07	8.1	6	1N			C	0601	96		DJV
0049	KANZ	03	0709	0714	0724	S11	W76	4228	06	27.7	15	SN		3					
0050		03	07091	07091	0717	S19	E59	4235	07	7.8	8	SN					28	.6	
	KANZ	03	0709	0709	0714	S19	E59	4235	07	7.8	5	SN		3					
	CATA	03	0710	0710	0720	S19	E59	4235	07	7.8	10	S		2	C	0710	28	.6	
0051		03	07473	07502	0815	S08	W15	4227	07	2.2	28	SN					80	.9	F
	KANZ	03	0747	0752	0815	S08	W15	4227	07	2.2	28	SN		1					
	LEAR	03	0748	0751	0819	S08	W13	4227	07	2.3	31	SF		3	C		72		F
	CATA	03	0750	0750	0810D	S08	W18	4227	07	2.0	20D	S		2	C	0750	56	.6	
	CATA	03	0750	0750	0810	S09	W13	4227	07	2.3	20	S		2	C	0750	112	1.2	
0052	KANZ	03	0833	0837	0849	S10	E78	4236	07	9.2	16	SN		1					
0053	CATA	03	0915	0920	0930	S11	E79	4236	07	9.3	15	1		2	C	0920	56		
0054	KHAR	03	0951E	0951	0958D	S07	E70	4234	07	8.6	7D	SF			V	0951			L
0055	KHAR	03	1007E	1008	1013D	S16	E56	4235	07	7.7	6D	SF			V	1008			D
		03	1116		1129	No Flare Patrol													
0056		03	14281	14281	1443	S21	E56	4235	07	7.9	15	SF					23		F
	HOLL	03	1428	1428	1441	S21	E56	4235	07	7.9	13	SF		3	C		19		F
	RAMY	03	1428	1428	1445	S21	E54	4235	07	7.7	17	SN		3	C		27		
	KANZ	03	1429	1429	1443	S21	E58	4235	07	8.0	14	SF		1					
0057	KANZ	03	1443	1453	1508	S12	E77	4236	07	9.4	25	SF		1					
0058		03	1709	17092	1724	S12	E72	4236	07	9.1	15	SF	C 1.0				20		
	HOLL	03	1709	1709	1724	S13	E73	4236	07	9.2	15	SF		3	C		19		
	PALE	03	1709	1711	1724	S11	E72	4236	07	9.1	15	SF	C 1.0	3	C		22		
0059	HOLL	03	1804	1805	1818	S10	W25	4227	07	1.9	14	SF		3	C		31		F
0060	HOLL	03	2107	2108	2116	S10	E59	4234	07	8.3	9	SF		3	C		35		F
0061	HOLL	03	2113	2116	2136	S13	E73	4236	07	9.4	23	SN	C 1.2	3	C		67		
0062	HOLL	03	2208	2213	2240	S11	E57	4234	07	8.2	32	SN	C 3.0	3	C		68		F
0063	CULG	04	0305	0306	0313	S12	E72	4236	07	9.5	8	SF			C	0306	40		
0064		04	06072	06112	0628	S20	E49	4235	07	8.0	21	1N	C 1.4				193	4.3	EF
	ABST	04	0607	0612	0625	S20	E51	4235	07	8.1	18	1F			C	0612	175	3.1	E
	LEAR	04	0609	0611	0635	S20	E49	4235	07	8.0	26	SN		3	C		67		F
	YUNN	04	0609	0613	0625	S19	E47	4235	07	7.8	16	2N	C 1.4		P		338	5.5	
0065		04	06541	06552	0710	S19	E45	4235	07	7.7	16	SF	C 6.9				111	2.0	D
	LEAR	04	0654	0656	0709	S19	E46	4235	07	7.8	15	SF		3	C		48		
	CATA	04	0655	0655	0655D	S19	E46	4235	07	7.8	15D	S		2	P	0655	112	1.8	
	ABST	04	0655E	0657	0701D	S20	E44	4235	07	7.6	6D	1F			P	0657	175	2.7	D
	YUNN	04	0705E	0705U	0712	S18	E43	4235	07	7.6	7D	SN	C 6.9		P	0705	108	1.6	
0066		04	0840E		0904D	S14	W90		06	27.6	24D	SF							H
	KHAR	04	0840E		0904D	S12	W90		06	27.7	24D	SF			V	0843			H
	KHAR	04	0849E		0904D	S16	W90		06	27.6	15D	SF			V	0852			
0067		04	0937	0925*	0945	S20	E48	4235	07	8.1	8	SN					31	.5	D
	KHAR	04	0920E	0925	0945D	S20	E50	4235	07	8.2	25D	SF			P				D
	YUNN	04	0937	0940	0945	S19	E46	4235	07	7.9	8	SN			P		31	.5	

H - ALPHA SOLAR FLARES

59
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0068	04	0934E			1017D	S12	W88		06	27.9	43D	SN							H
	KHAR	04	0934E		0948D	S12	W90		06	27.7	14D	SN		V		0937			H
	KHAR	04	1001E		1017D	S13	W87		06	27.9	16D	SN		V		1008			H
0069	KHAR	04	1036E	1038	1106D	S21	E47	4235	07	8.0	30D	1N		P					CE
0070	04	1148	1138*	1212	S20	E46	4235		07	8.0	24	1N	C 2.0				152	3.7	BEFK
	RAMY	04	1137E	1138	1146D	S20	E46	4235	07	8.0	9D	SN	C 2.0	3	C		61		K
	RAMY	04	1137E	1146	1146D	S20	E46	4235	07	8.0	9D	SB		3	C		119		FK
	LVOV	04	1148	1148	1212	S21	E50	4235	07	8.3	24	2N		C		1148	300	5.3	BE
	ATHN	04	1148	1152	1211	S21	E42	4235	07	7.7	23	1N		V		1152	127	2.1	
0071	HOLL	04	1448	1451	1534	S20	E43	4235	07	7.9	46	1B	C 1.9	3	C		195		EF
0072	HOLL	04	1500	1503	1519	S12	E62	4236	07	9.3	19	SN	C 2.9	3	C		66		
0073	HOLL	04	1553	1600	1626	S20	E43	4235	07	7.9	33	SN		3	C		42		F
0074	HOLL	04	1622	1624	1635	S12	E61	4236	07	9.3	13	SF		3	C		27		
0075	HOLL	04	1735	1741	1744	S19	E41	4235	07	7.9	9	SF		3	C		47		
0076	HOLL	04	1833	1838	1930	S12	E62	4236	07	9.4	57	SB	C 4.8	3	C		80		EF
0077	RAMY	04	1845E	1845U	1851	S18	E40	4235	07	7.8	6D	SF		3	C		24		
0078	RAMY	04	1856	1859	1915	S10	E46	4234	07	8.2	19	SN		3	C		54		
0079	HOLL	04	1916	1918	1924	S10	W33	4227	07	2.3	8	SF		3	C		21		
0080	04	2222*	2236	2308	S12	E58	4236		07	9.3	46	SB					90	1.2	EJ
	HOLL	04	2222	2236	2308	S12	E58	4236	07	9.3	46	SB		3	C		121		E
	CULG	04	2234	2236	2238D	S13	E59	4236	07	9.4	4D	SN		P		2236	60	1.2	J
0081	HOLL	04	2224	2258	2321	S11	E81	4236B	07	11.0	57	SN	C 1.7	3	C		15		
0082	HOLL	04	2242	2242	2246	S12	E44	4234	07	8.3	4	SF		3	C		20		
0083	HOLL	04	2257	2300	2333	S09	W35	4227	07	2.3	36	SF		3	C		49		F
0084	HOLL	04	2328	2340	2352	S12	E57	4236	07	9.3	24	SF	C 1.1	3	C		30		F
0085	HOLL	04	2352	2353	2402	S20	E38	4235	07	7.9	10	SF		3	C		30		F
0086	HOLL	05	0007	0009	0024	S22	E37	4235	07	7.8	17	SF	C 1.0	3	C		20		F
0087	HOLL	05	0032	0032	0042	S22	E37	4235	07	7.9	10	SN		3	C		26		F
0088	LEAR	05	0246	0247	0255	S08	W35	4227	07	2.5	9	SF		3	C		35		F
0089	05	0344*	0351*	0416	S07	W36	4227		07	2.4	32	SF	C 1.6				77	1.1	EFJK
	LEAR	05	0344	0354	0430	S08	W35	4227	07	2.5	46	SF	C 1.6	3	C		88		K
	LEAR	05	0344	0413	0430	S08	W35	4227	07	2.5	46	SF		3	C		69		FK
	YUNN	05	0347	0351	0411	S07	W37	4227	07	2.4	24	SN		P			46	.6	
	PEKG	05	0353E	0353	0402	S07	W36	4227	07	2.5	9D	SF		P		0353	59	.8	E
	PALE	05	0353	0356	0402	S08	W36	4227	07	2.5	9	SF	C 4.0	3	C		51		F
	CULG	05	0354E	0355U	0418D	S09	W36	4227	07	2.5	24D	SF		P		0355	110	1.4	F
	ABST	05	0404	0409	0423	S06	W36	4227	07	2.5	19	SF		C		0409	114	1.5	FJ
0090	05	04222	0422*	0440	S13	E56	4236		07	9.4	18	SN					50	1.2	D
	ABST	05	0421E	0422	0439	S13	E56	4236	07	9.4	18D	SN		P		0422	87	1.7	D
	LEAR	05	0422	0422	0440	S13	E55	4236	07	9.3	18	SN		3	C		33		
	YUNN	05	0424	0432	0440	S13	E56	4236	07	9.4	16	SN		P			31	.6	
0091	05	0422*	0425*	0451	S16	E37	4235		07	8.0	29	SN					34	.9	
	CULG	05	0422	0425	0428D	S15	E37	4235	07	8.0	6D	SN		P		0425	50	.9	
	LEAR	05	0444	0447	0451	S18	E37	4235	07	8.0	7	SF		3	C		18		

60
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0092	LEAR	05	0510	0511	0519	S07	W39	4227	07	2.3	9	SF		3	C		34		
0093		05	0603	0603	0606	S17	E34	4235	07	7.8	3	SF	C 2.9				65	1.0	DV
	ABST	05	0603	0603	0605	S17	E35	4235	07	7.9	2	SF			C	0603	87	1.2	DV
	CULG	05	0603	0604	0605	S16	E34	4235	07	7.8	2	SN			C	0604	60	.7	
	LEAR	05	0603	0604	0609	S19	E34	4235	07	7.8	6	SF	C 2.9	3	C		48		
0094		05	06532	0654*	0721	S21	E34	4235	07	7.9	28	IN	C 1.8				231	3.2	FKU
	ABST	05	0653	0657	0705D	S20	E36	4235	07	8.0	12D	IN			P	0657	262	3.7	F
	LEAR	05	0654	0654	0727	S22	E34	4235	07	7.9	33	SN		3	C		60		K
	LEAR	05	0654	0659	0727	S22	E34	4235	07	7.9	33	IB		3	C		411		UFG
	MANI	05	0655	0700	0725	S21	E34	4235	07	7.9	30	IB		1	V		370	5.1	F
	YUNN	05	0655	0707	0719	S20	E35	4235	07	8.0	24	IN	C 1.8		P		189	2.6	
	ATHN	05	0701E	0703	0707	S21	E31	4235	07	7.7	6D	SF			V	0703	95	1.3	
0095	KHAR	05	0732E	0733	0735D	S12	E54	4236	07	9.4	3D	SF			P				D
0096	KHAR	05	0823E	0823	0826D	S21	W31	4230	07	3.0	3D	SF			P				D
0097	KHAR	05	0940E	0943	0946D	S20	E27	4235	07	7.5	6D	SF			P				D
0098	KHAR	05	1011E		1025D	S08	W41	4227B	07	2.3	14D	1F			P	1017			EHL
0099	KHAR	05	1028E		1030D	S20	E27	4235	07	7.5	2D	SF			V	1028			DH
		05	1111		1119	No Flare Patrol													
		05	1136		1144	No Flare Patrol													
0100	KHAR	05	1319E	1319	1330D	S20	W33	4230	07	3.0	11D	SF			P				D
		05	1441		1454	No Flare Patrol													
0101	HOLL	05	1912	1918	1935	S10	E40	4236	07	8.8	23	SF		3	C		22		
0102	HOLL	05	2057	2057	2105	S20	E25	4235	07	7.8	8	SF		3	C		26		
		05	2228		2242	No Flare Patrol													
		05	2252		2307	No Flare Patrol													
		05	2331		2349	No Flare Patrol													
0103		06	0102	0103	0112	S20	E22	4235	07	7.7	10	SN					49	.4	EF
	YUNN	06	0102	0103	0112	S20	E21	4235	07	7.6	10	SN			P		31	.4	
	LEAR	06	0102E	0104	0117	S20	E23	4235	07	7.8	15D	SN		3	C		45		F
	PEKG	06	0103E	0103	0108	S21	E23	4235	07	7.8	5D	SF			P	0103	34	.4	E
	HOLL	06	0105E	0105U	0109D	S20	E22	4235	07	7.7	4D	SN		3	C		86		F
0104	LEAR	06	0248	0252	0312	S20	E22	4235	07	7.8	24	SF		3	C		60		F
0105		06	0512	0514	0524	S19	E20	4235	07	7.7	12	SF					44	.5	F
	LEAR	06	0512	0515	0526	S19	E20	4235	07	7.7	14	SF		3	C		47		F
	MANI	06	0513E	0514	0522	S19	E21	4235	07	7.8	9D	SF		1	V		40	.5	F
0106	KHAR	06	0742E		0755D	S10	W51	4227	07	2.5	13D	SF			V	0745			EL
0107	KHAR	06	0856E	0858	0900D	S19	W43	4230	07	3.1	4D	SF			P				D
0108	KHAR	06	1008E	1010	1013D	S22	W44	4230	07	3.0	5D	SF			P				D
0109	KHAR	06	1040E	1046	1100D	S09	W54	4227	07	2.4	20D	SF			P				E
0110	KHAR	06	1151E	1154	1157D	S20	W45	4230	07	3.0	6D	SF			P				D
		06	1503		1540	No Flare Patrol													
0111	HOLL	06	1854	1901	1948	S17	E73	4237	07	12.3	54	1F		3	C		112		H
		06	2248		2301	No Flare Patrol													
0112	HOLL	06	2304	2306	2315	S18	E69	4237	07	12.2	11	SF		3	C		41		

H - ALPHA SOLAR FLARES

61
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0113	PALE	07	0128	0132	0142	S11	E28	4236	07	9.2	14	SF		3	C		25		
0114	LEAR	07	0328	0332	0333D	S16	E71	4237	07	12.5	5D	SF		3	C				F
0115	ABST	07	0422E	0437	0444D	S18	W55	4230	07	3.0	22D	SF			P	0437	87	1.7	D
0116	KANZ	07	0715	0715	0724	S11	E18	4236	07	8.6	9	SF		2					
			07 1502		1813	No Flare Patrol													
			07 1852		1857	No Flare Patrol													
0117		08	03111	03113	0323	S12	E10	4236	07	8.9	12	SF					30	.3	EF
	CULG	08	0311	0311	0322	S11	E11	4236	07	9.0	11	SF			P	0311	40	.4	F
	LEAR	08	0312	0312	0322	S11	E10	4236	07	8.9	10	SF		3	C		34		F
	PURP	08	0314E	0314	0326	S13	E10	4236	07	8.9	12D	SF			C	0314	17	.2	E
0118		08	0402	04033	0421	S18	W06	4235	07	7.7	19	SF					57	.7	DF
	LEAR	08	0402	0403	0421	S18	W07	4235	07	7.6	19	SF		3	C		45		F
	ABST	08	0402E	0406	0414D	S17	W05	4235	07	7.8	12D	SF			P	0406	87	1.0	D
	CULG	08	0405E	0406U	0406D	S18	W07	4235	07	7.6	1D	SN			P	0406	40	.4	
0119	ABST	08	0616	0619	0631D	S22	W08	4235	07	7.6	15D	SF			P	0619	87	1.0	D
0120		08	0623*	0630*	0730	S13	W09	4230B	07	7.6	67	SF					128	1.4	DEFI
	ABST	08	0623	0630	0632D	S10	W13	4230B	07	7.3	9D	SF			P	0630	87	1.0	D
	ABST	08	0624	0630	0632D	S13	W11	4230B	07	7.4	8D	SF			P	0630	87	.9	D
	ABST	08	0624	0630	0632D	S15	W05	4230B	07	7.9	8D	SF			P	0630	87	.9	D
	CULG	08	0630E	0630U	0630D	S13	W08	4230B	07	7.7	8D	SN			P	0630	120	1.3	FI
	CATA	08	0630	0630	0635D	S12	W12	4230B	07	7.4	5D	S		2	P	0630	112	1.2	
	CATA	08	0630	0630	0635D	S15	W05	4230B	07	7.9	5D	S		2	P	0630	56	.6	
	PEKG	08	0635	0642	0651	S12	W12	4230B	07	7.4	16	SF			C	0642	126	1.4	E
	CATA	08	0645E	0645	0730D	S14	W05	4230B	07	7.9	45D	1		2	P	0645	253	2.7	
	CATA	08	0645E	0645	0730D	S12	W12	4230B	07	7.4	45D	1		2	P	0645	225	2.5	
	KHAR	08	0707E	0724	0821D	S12	W08	4230B	07	7.7	74D	1N			P	0724	200	2.4	E
	PURP	08	0725E	0727	0808	S14	W12	4230B	07	7.4	43D	SN			C	0727	53	.6	
0121		08	06302	0630*	0647	S11	E08	4236	07	8.9	17	SF					61	.6	E
	CATA	08	0630	0630	0635D	S12	E09	4236	07	8.9	5D	S		2	P	0630	84	.9	
	PEKG	08	0632	0642	0647	S11	E08	4236	07	8.9	15	SF			C	0642	50	.5	E
	PEKG	08	0632E	0642	0647	S11	E08	4236	07	8.9	15D	SF			C	0642	50	.5	E
0122		09	0802	07586	0811D	S16	W21	4235	07	7.7	9D	SF							D
	KHAR	09	0754E	0758	0808D	S15	W22	4235	07	7.7	14D	SN			P				D
	KANZ	09	0802		0802D	S16	W22	4235	07	7.7	14D	SF		1					
	KHAR	09	0804E	0804	0811D	S16	W18	4235	07	8.0	7D	SF			P				D
0123	ISTA	09	0855		0920	S17	W20	4235	07	7.8	25	SN							E
0124	KANZ	09	1206		1206D	S20	W28	4235	07	7.4	25D	SN		2					
		09	1226		1235	No Flare Patrol													
0125		09	19343	1937*	1942	S21	W24	4235	07	8.0	8	SF	C 2.4				58		F
	RAMY	09	1934	1956	2012D	S21	W24	4235	07	8.0	38D	SF		3	C		52		F
	PALE	09	1937	1937	1942	S21	W23	4235	07	8.0	5	SF	C 2.4	3	C		63		
0126		10	02151	02201	0236	S15	W32	4235	07	7.7	21	SN					113	1.4	DEFIJ
	PEKG	10	0215	0220	0235	S14	W32	4235	07	7.7	20	SN			C	0220	67	.9	E
	VORO	10	0216	0220	0234	S14	W31	4235	07	7.7	18	SN			C	0220	161	2.0	DIJ
	LEAR	10	0216	0221	0239	S16	W32	4235	07	7.7	23	SF		3	C		110		F
0127		10	04401	04442	0456	S11	W16	4236	07	9.0	16	SF					112	1.9	EF
	ABST	10	0440	0444	0454	S11	W16	4236	07	9.0	14	SF			C	0444	175	1.9	E
	LEAR	10	0441	0446	0457	S11	W16	4236	07	9.0	16	SF		3	C		49		F
0128	LEAR	10	0448	0448	0453	S18	E33	4237	07	12.7	5	SF	C 2.4	3	C		23		
0129		10	08005	0805*	0845	S20	W33	4235	07	7.8	45	1N					139	1.9	E
	CATA	10	0800	0805	0835	S21	W32	4235	07	7.9	35	S		2	C	0805	140	1.9	
	KANZ	10	0805	0820	0845	S21	W32	4235	07	7.9	40	1N		1					
	ATHN	10	0817E	0821	0841	S20	W36	4235	07	7.6	24D	1N			V	0821	159	2.2	
	PEKG	10	0836E	0836	0859	S20	W33	4235	07	7.8	23D	SF			P	0836	118	1.6	E

62
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
						Lat	CMD	Region									Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
			10 1151		1207	No Flare Patrol														
0130	RAMY	10	1218	1229	1236	S21	W33	4235	07	8.0	18	SF	C	1.9	3	C		27		
0131		10	15133	1516	1615	S11	W22	4236	07	9.0	62	SB	M	1.1				130	E	
	HOLL	10	1513	1516	1602	S11	W22	4236	07	9.0	49	SB	M	1.1	3	C		121	E	
	RAMY	10	1513	1516	1628	S11	W22	4236	07	9.0	75	SB			3	C		139		
	KANZ	10	1516	1516	1549D	S11	W21	4236	07	9.0	33D	SN			1					
0132	RAMY	10	1514	1518	1521	S19	E26	4237	07	12.6	7	SF			3	C		53		
0133		10	15436	15454	1612	S18	E27	4237	07	12.7	29	SB						115	EFK	
	RAMY	10	1543	1545	1549D	S18	E27	4237	07	12.7	6D	SB			3	C		94	K	
	RAMY	10	1543	1549	1549D	S18	E27	4237	07	12.7	6D	SB			3	C		143	FEK	
	HOLL	10	1544	1548	1612	S19	E26	4237	07	12.6	28	SB			3	C		107	FE	
	KANZ	10	1549		1549D	S17	E27	4237	07	12.7	28D	SF			1					
0134	PALE	10	1718	1720	1723D	S18	E26	4237	07	12.7	5D	SF			3	C		74	F	
0135	RAMY	10	1753	1807	1836	S13	W22	4236	07	9.1	43	SB	C	1.1	3	C		165		
0136		10	1839	18428	1940	S21	W37	4235	07	7.9	61	1B						266	EFK	
	RAMY	10	1839	1842	1940	S21	W37	4235	07	7.9	61	1B			3	C		191	K	
	RAMY	10	1839	1850	1940	S21	W37	4235	07	7.9	61	1B			3	C		341	FEK	
0137	RAMY	10	1933	1933	1942	S18	E25	4237	07	12.7	9	SN			3	C		32		
		10	2018		2020	No Flare Patrol														
0138	PALE	10	2035	2040U	2042D	S18	E25	4237	07	12.8	7D	SF			3	C		31		
		10	2043		2141	No Flare Patrol														
0139	CULG	10	2221	2223	2241	S12	W28	4236	07	8.8	20	SF				C	2223	40	.5	
0140	PALE	11	0018	0020	0033	S19	E20	4237	07	12.5	15	SF			3	C		31		
0141	PALE	11	0026	0031	0049	S22	W40	4235	07	7.9	23	SF			3	C		79	F	
0142	LEAR	11	0148	0149	0205	S18	E22	4237	07	12.7	17	SF	C	6.9	3	C		21		
0143		11	0236	02371	0308	S12	W27	4236	07	9.1	32	SN						58	.5	F
	PALE	11	0236	0237	0248D	S13	W27	4236	07	9.1	12D	SF			3	C		37	F	
	CULG	11	0236	0238	0249D	S11	W27	4236	07	9.1	13D	SN				P	0238	50	.5	F
	LEAR	11	0236	0238	0308	S12	W28	4236	07	9.0	32	SN			3	C		86	F	
0144	LEAR	11	0314	0318	0337	S20	W41	4235	07	8.0	23	SF			3	C		44		
0145	ABST	11	0502	0511	0524	S20	W43	4235	07	7.9	22	SF				C	0511	114	1.8	DJ
0146		11	07276	07303	0742	S21	W45	4235	07	7.9	15	1N	C	2.0				123	2.4	F
	YUNN	11	0727	0730	0735	S19	W44	4235	07	7.9	8	1N				C		141	2.2	
	BUCA	11	0730E		0750	S21	W46	4235	07	7.8	20D	1F	C	2.0		C	0730	150	2.5	
	LEAR	11	0730	0733	0738	S21	W45	4235	07	7.9	8	SN			3	C		79		F
	KANZ	11	0733	0733	0743	S22	W44	4235	07	7.9	10	SB			2					
0147	LEAR	11	0737	0738	0755	S11	W30	4236	07	9.1	18	SF			3	C		40		
0148	RAMY	11	1151	1225	1247	S21	W47	4235	07	7.9	56	SN			3	C		37		F
0149		11	1248*	1301*	1414	S21	W52	4235	07	7.5	86	1N						192	3.2	EF
	RAMY	11	1248	1301	1436	S22	W52	4235	07	7.5	108	1B			3	C		243		FE
	ATHN	11	1259E	1301	1352	S21	W51	4235	07	7.6	53D	1B				V	1301	175	3.2	
	HOLL	11	1330E	1411	1447D	S20	W53	4235	07	7.5	77D	1N			3	C		169		F
	HOLL	11	1334	1334	1335D	S22	W51	4235	07	7.6	1D	1F			3	C		182		
0150		11	1318	1322*	1409	S11	W34	4236	07	9.0	51	SF						62		FK
	RAMY	11	1318	1322	1410	S12	W34	4236	07	9.0	52	SF			3	C		45		K
	RAMY	11	1318	1335	1410	S12	W34	4236	07	9.0	52	SN			3	C		85		K
	HOLL	11	1330E	1335U	1407	S10	W34	4236	07	9.0	37D	SF			3	C		56		F

H - ALPHA SOLAR FLARES

63
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0151		11	17174	1721*	1757	S16	W53	4235	07	7.7	40	SN	C 5.6				68		FK
	PALE	11	1717	1721	1757	S17	W54	4235	07	7.6	40	SN		3	C		138		F
	RAMY	11	1721	1726	1729D	S18	W55	4235	07	7.5	80	SN	C 5.6	3	C		53		F
	HOLL	11	1721	1730	1755D	S15	W51	4235	07	7.9	34D	SN		3	C		53		FK
	HOLL	11	1721	1744	1755D	S15	W51	4235	07	7.9	34D	SN		3	C		26		K
		11	1854		1910			No Flare Patrol											
		11	2013		2054			No Flare Patrol											
		11	2106		2133			No Flare Patrol											
0152	ABST	12	0459E	0509	0544D	S21	W57	4235	07	7.8	45D	SF			P	0509	87	2.0	D
0153		12	0642	06503	0702	S12	W42	4236	07	9.1	20	SN	C 2.0				37		
	LEAR	12	0642	0650	0706	S11	W42	4236	07	9.1	24	SF	C 2.0	3	C		37		
	KANZ	12	0653E	0653	0658	S12	W42	4236	07	9.1	5D	SN		2					
0154		12	0740E		0834D	S14	W43	4236	07	9.1	54D	SF							DH
	KHAR	12	0740E		0745D	S14	W43	4236	07	9.1	5D	SF			V	0740			D
	KHAR	12	0812E		0834D	S14	W43	4236	07	9.1	22D	SF			V	0814			DH
0155	KHAR	12	0817E		0824D	S23	W59	4235	07	7.8	7D	SF			V	0818			D
0156		12	0914E	09172	0925D	S10	W41	4236	07	9.3	11D	SN					95	1.3	E
	KHAR	12	0914E	0917	0925D	S12	W44	4236	07	9.1	11D	SN			V	0917			E
	ATHN	12	0919E	0919	0924D	S08	W38	4236	07	9.5	5D	SN			V	0919	95	1.3	
		12	1146		1148			No Flare Patrol											
0157	RAMY	12	1228	1234	1238	S15	W53	4236	07	8.5	10	SF	C 1.0	3	C		54		
		12	1237		1320			No Flare Patrol											
0158		12	1339	1342	1350	S21	W66	4235	07	7.5	11	SN					37		
	RAMY	12	1339	1342	1356	S19	W62	4235	07	7.8	17	SN		3	C		24		
	HOLL	12	1340E	1342U	1345	S23	W70	4235	07	7.2	5D	SN		2	C		50		
		12	1417		1425			No Flare Patrol											
		12	1538		1651			No Flare Patrol											
		12	1717		1744			No Flare Patrol											
0159	HOLL	12	1821E	1821U	1830	S16	W68	4235	07	7.6	9D	SF		2	C		39		F
		12	1838		1916			No Flare Patrol											
0160	HOLL	12	1924E	1926	1933D	S15	W60	4234	07	8.3	9D	SF		2	C		15		
		12	1934		2100			No Flare Patrol											
		12	2109		2133			No Flare Patrol											
0161	VORO	13	0150	0152	0200	S17	W75	4235	07	7.4	10	SN			C	0152	63		DIJ
0162		13	07149	07235	0731	S21	W65	4235	07	8.3	17	SB	C 1.7				94	2.5	DH
	LEAR	13	0714	0723	0729	S20	W66	4235	07	8.2	15	SB	C 1.7	3	C		76		
	KHAR	13	0722E	0725	0732D	S22	W67	4235	07	8.1	10D	SB			V	0725			DH
	KANZ	13	0723	0723	0733	S21	W65	4235	07	8.3	10	SN		3					
	ATHN	13	0725E	0728	0731	S21	W62	4235	07	8.5	6D	1B			V	0728	111	2.5	
0163	KHAR	13	0720E		0737D	S11	E18	4241	07	14.6	17D	SF			V	0720			D
0164		13	0800E	0801*	0826D	S21	W66	4235	07	8.3	26D	SF							D
	KHAR	13	0800E	0801	0808D	S22	W67	4235	07	8.2	8D	SF			V	0801			D
	KHAR	13	0822E	0824	0826D	S20	W65	4235	07	8.4	4D	SF			V	0824			D
0165		13	0908E		0922D	S21	W66	4235	07	8.3	14D	SF							DH
	KHAR	13	0908E		0912D	S22	W67	4235	07	8.2	4D	SF			V	0908			DH
	KHAR	13	0921E		0922D	S20	W65	4235	07	8.4	1D	SF			V	0921			D
0166	KHAR	13	0922E		0933D	S09	E50	4240	07	17.1	11D	SF			V				L

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Corr	Remarks
								USAF Region						Mo	Day		
0167	KHAR	13	1013E		1025D	S25 W80	4235	07	7.2	12D	SN		V	1013			HT
0168	KHAR	13	1020E		1030D	S14 E50	4240	07	17.2	10D	SF		V	1024			D
		13	1046		1054	No Flare Patrol											
0169	KANZ	13	1235	1239	1249	S22 W73	4235	07	7.9	14	SF		2				
0170	RAMY	13	1236	1237	1243	S11 W61	4236	07	8.9	7	SF		3	C		29	
0171	KANZ	13	1301	1316	1321	S21 W75	4235	07	7.8	20	SF		1				
0172		13	1336S	13411	1352	S22 W76	4235	07	7.7	16	SF					22	
	KANZ	13	1336	1342	1346	S22 W76	4235	07	7.7	10	SF		1				
	RAMY	13	1341	1341	1359	S22 W77	4235	07	7.6	18	SF		3	C		22	
0173		13	1436*	1441*	1458	S21 W76	4235	07	7.8	22	SN C	1.9				61	
	KANZ	13	1436	1441	1451	S22 W77	4235	07	7.7	15	SF		1				
	RAMY	13	1446	1453	1504	S20 W74	4235	07	7.9	18	SN C	1.9	3	C		61	
0174	RAMY	13	1657	1658	1721	S16 E47	4240	07	17.3	24	SN		3	C		78	
0175		13	19472	19491	2007	S16 E44	4240	07	17.2	20	SN					42	F
	RAMY	13	1947	1950	2016	S16 E44	4240	07	17.2	29	SF		3	C		66	
	HOLL	13	1949	1949	1958	S16 E43	4240	07	17.1	9	SN		3	C		17	F
0176		14	00171	0020	0027	S15 E42	4240	07	17.2	10	SF					65	.8
	LEAR	14	0017	0020	0026	S15 E42	4240	07	17.2	9	SF		2	C		53	
	CULG	14	0018	0020	0025	S14 E41	4240	07	17.1	7	SF			C	0020	60	.8
	HOLL	14	0022E	0022U	0031	S16 E42	4240	07	17.2	9D	SF		2	C		82	
0177		14	03221	03236	0331	S16 W23	4237	07	12.4	9	SN C	1.8				101	1.2
	TACH	14	0322	0323	0329	S18 W20	4237	07	12.6	7	SB			C	0323	106	1.2
	YUNN	14	0322	0324	0327	S16 W23	4237	07	12.4	5	SN			C		157	1.9
	CULG	14	0322	0324	0331	S16 W23	4237	07	12.4	9	SN			C	0324	80	.9
	LEAR	14	0323	0323	0334	S16 W24	4237	07	12.3	11	SF C	1.8	3	C		101	
	PEKG	14	0329E	0329	0335	S16 W25	4237	07	12.2	6D	SF			C	0329	63	.8
0178		14	0740*	0753*	0806	S19 W83	4235	07	8.0	26	SN C	1.1				43	ADH
	BUCA	14	0740	0745U	0758	S20 W80	4235	07	8.2	18	1B			C	0745	54	A
	LEAR	14	0749	0754	0759	S20 W81	4235	07	8.1	10	SN		3	C			
	KHAR	14	0750E		0758D	S21 W80	4235	07	8.2	8D	SN			V	0752		DH
	PEKG	14	0750	0753	0758	S19 W80	4235	07	8.2	8	SN			C	0753	29	D
	CATA	14	0750	0755	0800	S20 W80	4235	07	8.2	10	S		2	C	0755	45	
	PEKG	14	0750	0805	0838	S19 W90	4235	07	7.4	48	N C	1.1		C	0805		A
	KHAR	14	0800E		0818D	S14 W90	4235	07	7.5	18D	SF			V			
0179	KHAR	14	0748E		0847D	S19 E90		07	21.2	59D	SF		V	0752			EH
0180		14	0800	0805	0820	N14 W16	4243	07	13.1	20	SN					34	.4
	KHAR	14	0800E		0845D	N13 W16	4243	07	13.1	45D	SN		V	0826			DEH
	PEKG	14	0800	0805	0820	N15 W15	4243	07	13.2	20	SF		C	0805	34	.4	D
0181	KHAR	14	0837E		0847D	S12 W70	4236	07	9.1	10D	SF		V	0837			D
0182		14	0925	0930	0935	N14 E82	4247	07	20.6	10	1F					56	D
	KHAR	14	0853E		0940D	N17 E80	4247	07	20.4	47D	SF		V	0855			D
	CATA	14	0925	0930	0935	N12 E85	4247	07	20.8	10	1		2	C	0930	56	
0183	KHAR	14	0953E		1002D	S12 W70	4236	07	9.1	9D	SF		V	0955			D
0184		14	1034E	1035	1100D	S21 W85	4235	07	7.9	26D	SN						DH
	KHAR	14	1034E	1035	1043D	S21 W85	4235	07	7.9	9D	SF		V	1035			DH
	KHAR	14	1054E		1100D	S21 W85	4235	07	7.9	6D	SN		V	1054			DH
0185	CATA	14	1130	1135	1145D	S17 W31	4237	07	12.1	15D	1		2	P	1135	169	2.2
		14	1146		1232	No Flare Patrol											

H - ALPHA SOLAR FLARES

65
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	Remarks
		14	1236		1248			No Flare Patrol											
0186	RAMY	14	1305	1308	1317	S16	E35	4240	07	17.2	12	SF		3	C		21		
0187	HOLL	14	1427	1435	1458	S17	W29	4237	07	12.4	31	SF		3	C		34		
0188	HOLL	14	1435	1440	1448	S09	W79	4236	07	8.7	13	SF		3	C		21		
0189		14	1449*	1501*	1515	S10	W83	4236	07	8.4	26	SF					45		FK
	HOLL	14	1449	1501	1518	S09	W80	4236	07	8.6	29	IN		3	C		93		FK
	HOLL	14	1449	1511	1518	S09	W80	4236	07	8.6	29	SF		3	C		18		K
	RAMY	14	1500	1501	1508	S11	W89	4236	07	7.9	8	SF		3	C		25		
0190	RAMY	14	1542	1543	1553	S17	W30	4237	07	12.4	11	SF		3	C		35		
0191		14	1556	16001	1608	S10	W76	4236	07	8.9	12	SN					19		F
	HOLL	14	1556	1600	1608	S10	W74	4236	07	9.1	12	SN		3	C		24		
	RAMY	14	1556	1601	1608	S10	W77	4236	07	8.9	12	SF		3	C		14		F
0192	RAMY	14	1938	1949	1958	N18	E26	4246	07	16.8	20	SF		3	C		27		
0193	HOLL	14	2218	2220	2231	S09	W80	4236	07	8.9	13	SF		3	C		11		
0194		14	22344	22422	2258	N15	E74	4247	07	20.5	24	SF	C 1.1				51		
	HOLL	14	2234	2242	2258	N14	E70	4247	07	20.2	24	SN		3	C		62		
	PALE	14	2236	2247U	2307	N15	E75	4247	07	20.6	31	SF	C 1.1	3	C		51		
	CULG	14	2238	2244	2248	N15	E77	4247	07	20.8	10	SF			C	2244	40		
0195	PEKG	14	2311	2314	2321	S27	E90		07	22.0	10	N			C	2314			Y
0196	LEAR	15	0029	0029	0036	N17	E22	4246	07	16.7	7	SF		3	C		27		F
0197	PEKG	15	0114E	0115	0130	S22	W90	4235	07	8.1	16D	N			P	0115			A
0198	ABST	15	0415E	0433	0528	N18	E20	4246	07	16.7	73D	SF			P	0433	87	1.0	D
0199	KANZ	15	0706	0711	0721	N18	E19	4246	07	16.7	15	SF		3					
0200	KANZ	15	0740	0745	0810	N18	E19	4246	07	16.8	30	SF		3					
0201	LEAR	15	0857	0857	0905	S20	W36	4237	07	12.6	8	SF		3	C		19		
0202		15	1152E	1152*	1234	N16	E66	4247	07	20.5	42D	SN					56		FK
	RAMY	15	1152E	1152	1234	N16	E66	4247	07	20.5	42D	SN		3	C		81		FK
	RAMY	15	1152E	1216	1234	N16	E66	4247	07	20.5	42D	SN		3	C		31		K
0203	RAMY	15	1245	1245	1252	S15	E24	4240	07	17.3	7	SN		3	C		36		
0204		15	16131	16131	1624	S11	E34	4249	07	18.2	11	SF					21		F
	RAMY	15	1613	1613	1623	S11	E35	4249	07	18.3	10	SF		3	C		20		
	HOLL	15	1614	1614	1625	S11	E34	4249	07	18.2	11	SF		3	C		22		F
0205	CULG	16	0106	0112	0124	N16	E51	4247	07	19.9	18	SF			C	0112	60	.7	F
0206		16	0752	0752*	0836	N16	E06	4246	07	16.8	44	SN					47	.5	EFHS
	KHAR	16	0752E	0752	0819D	N16	E04	4246	07	16.6	27D	SN			V	0753			EH
	LEAR	16	0752	0755	0833	N17	E07	4246	07	16.8	41	SF		3	C		44		FS
	KANZ	16	0755E		0804D	N17	E07	4246	07	16.9	9D	SN		2					
	PEKG	16	0812E	0812	0840	N16	E06	4246	07	16.8	28D	SF			C	0812	50	.5	E
0207	KHAR	16	0817E		0822D	S22	W52	4237	07	12.3	5D	SF			V	0817			D
0208	KHAR	16	0915E		0928D	N19	E79		07	22.4	13D	SF			V	0915			L
0209	RAMY	16	1218	1224	1236	N15	E53	4247	07	20.5	18	SF		3	C		81		
0210	RAMY	16	1252	1254	1311	N16	E54	4247	07	20.6	19	SF		3	C		76		F

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement			Remarks				
						Lat	CMD	Region									Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)						
0211		16	19382	19382	1948	S18	W53	4237	07	12.8	10	SN	C 1.0					36		F				
	RAMY	16	1938	1938	1950	S18	W53	4237	07	12.8	12	SF	C 1.0	3	C			30		F				
	HOLL	16	1940	1940	1946	S18	W53	4237	07	12.8	6	SN		3	C			42		F				
0212	HOLL	16	1956	1956	2013	S14	E06	4240	07	17.3	17	SF		3	C			21		F				
0213	HOLL	16	2035	2036	2042	S10	E19	4249	07	18.3	7	SF		3	C			22						
0214		16	21011	21035	2114	S14	E04	4240	07	17.2	13	SF						36		F				
	HOLL	16	2101	2103	2116	S15	E05	4240	07	17.2	15	SF		3	C			41		F				
	RAMY	16	2102	2108	2113	S14	E02	4240	07	17.0	11	SF		3	C			32						
0215		16	2123	21231	2138	N13	E35	4245	07	19.5	15	SF						23		F				
	HOLL	16	2123	2123	2136	N13	E37	4245	07	19.7	13	SF		3	C			20		F				
	RAMY	16	2123	2124	2140	N13	E33	4245	07	19.4	17	SF		3	C			26						
0216	HOLL	17	0034	0039	0125	S17	W56	4237	07	12.8	51	SF		3	C			21		F				
0217	PEKG	17	0256E	0256	0310	N15	E58	4247	07	21.5	14D	SN			C	0256		59	1.2	E				
0218	CULG	17	0331	0331	0341	N13	E33	4245	07	19.6	10	SN			C	0331		80	.9					
0219	KHAR	17	0738E		0745D	S22	W63	4237	07	12.5	7D	SF			V	0738								
0220	KHAR	17	0746E	0746	0758D	N14	E29	4245	07	19.5	12D	SF			V	0746								
0221	KHAR	17	0838E	0839	0843D	S14	W05	4240	07	17.0	5D	SF			V	0839				H				
0222	KHAR	17	0842E	0844	0856D	S11	W12	4250	07	16.4	14D	SF			V	0844								
0223	CATA	17	1015	1015	1030	S16	W06	4240	07	17.0	15	S		2	C	1015		56	.6					
0224		17	1455	14571	1540	S14	W05	4240	07	17.2	45	SN						118		F				
	RAMY	17	1455	1457	1540	S14	W04	4240	07	17.3	45	SN		3	C			156		F				
	HOLL	17	1455	1458	1530D	S14	W06	4240	07	17.2	35D	SN		3	C			80		F				
0225		17	1632	16325	1639	N14	E25	4245	07	19.6	7	SN						40						
	HOLL	17	1632	1632	1638	N13	E23	4245	07	19.4	6	SF		3	C			32						
	RAMY	17	1632	1633	1636	N14	E26	4245	07	19.6	4	SN		3	C			49						
	KANZ	17	1632	1637	1642	N14	E26	4245	07	19.6	10	SN		1										
0226		17	18073	18122	1836	S14	W06	4240	07	17.3	29	SF	C 1.3					57		F				
	HOLL	17	1807	1812	1831D	S13	W06	4240	07	17.3	24D	SF	C 1.3	3	C			70		F				
	PALE	17	1810	1814	1836	S15	W05	4240	07	17.4	26	SF		3	C			44		F				
		17	1911		1913	No Flare Patrol																		
0227	RAMY	17	1920	1925	1934	S14	W07	4240	07	17.3	14	SF		3	C			49						
0228	RAMY	17	1923	1929	1935	N14	E24	4245	07	19.6	12	SF		3	C			39						
		17	2145		2151	No Flare Patrol																		
0229	PEKG	18	0035	0040	0046	N11	E19	4245	07	19.4	11	SN			C	0040		42	.4	E				
0230	PEKG	18	0040E	0040	0116	S05	E13	4251	07	19.0	36D	SF			C	0040		34	.4	E				
0231	LEAR	18	0334	0337	0351	S06	W09	4240A	07	17.5	17	SF		3	C			43						
0232	LEAR	18	0422	0425U	0433	N11	E17	4245	07	19.5	11	SF		2	C			26						
0233	LEAR	18	0534	0535	0542	S19	W72	4237	07	12.7	8	SF	C 1.3	3	C			17						
0234		18	06187	0625*	0712	N15	E42	4247	07	21.4	54	SN						119	2.0	EFKS				
	LEAR	18	0618	0625	0709	N14	E43	4247	07	21.5	51	SF		3	C			46		K				
	ABST	18	0618	0635	0701	N19	E42	4247	07	21.5	43	1F			C	0635		148	2.1	E				
	LEAR	18	0618	0635	0709	N14	E43	4247	07	21.5	51	SF		3	C			78		FSK				
	CULG	18	0619	0626U	0642D	N16	E41	4247	07	21.4	23D	SN			P	0626		130	1.7	F				
	KANZ	18	0621E	0649	0649D	N15	E44	4247	07	21.6	28D	SN		1										
	BUCA	18	0625	0632	0715	N16	E42	4247	07	21.4	50	SN			C	0632		86	1.2					
	CATA	18	0635E	0640	0725	N14	E42	4247	07	21.4	50D	1		2	P	0640		225	3.1					

H - ALPHA SOLAR FLARES

67
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0235		18	0757	08023	0826	S04	E08	4251	07	18.9	29	SF							DL
	KANZ	18	0757	0802	0826	S05	E08	4251	07	18.9	29	SF		3					
	KHAR	18	0803E	0805	0818D	S04	E07	4251	07	18.8	15D	SF			V	0805			DL
0236	KHAR	18	0836E		0845D	N17	E31	4247	07	20.7	9D	SF			V	0839			E
0237		18	09011	0907*	0936	N13	E16	4245	07	19.6	35	SN							EL
	KANZ	18	0901	0926	0936	N12	E16	4245	07	19.6	35	SN		3					L
	KHAR	18	0902	0907	0929D	N14	E16	4245	07	19.6	27D	SN			V	0907			EL
0238	KHAR	18	0936E		0943D	N15	W31	4246	07	16.0	7D	SF			V	0936			H
0239		18	1006*	1021*	1049	S19	W76	4237	07	12.6	43	SN							DHL
	KANZ	18	1006	1021	1042	S22	W76	4237	07	12.6	36	SN		2					
	KHAR	18	1008E		1025D	S22	W75	4237	07	12.6	17D	SN			V	1008			H
	KHAR	18	1023E	1028	1042D	S18	W78	4237	07	12.5	19D	SN			V	1028			DL
	KANZ	18	1026	1032	1056	S15	W76	4237	07	12.7	30	SN		2					
0240		18	1323	1326	1347	S15	W16	4240	07	17.3	24	SF					45		F
	HOLL	18	1323	1326	1346	S15	W17	4240	07	17.3	23	SF		3	C		48		F
	RAMY	18	1323	1326	1348	S15	W16	4240	07	17.3	25	SF		3	C		42		
0241		18	1407	1408	1418	N11	E12	4245	07	19.5	11	SF					24		
	RAMY	18	1407	1408	1415	N12	E11	4245	07	19.4	8	SF		3	C		26		
	HOLL	18	1407	1408	1420	N10	E12	4245	07	19.5	13	SF		3	C		23		
0242		18	14132	14132	1421	N17	E28	4247	07	20.7	8	SF					48		
	RAMY	18	1413	1413	1421	N17	E28	4247	07	20.7	8	SF		3	C		36		
	HOLL	18	1413	1414	1422	N17	E28	4247	07	20.7	9	SF		3	C		59		
	KANZ	18	1415	1415	1420	N17	E29	4247	07	20.8	5	SF		1					
0243	HOLL	18	1635	1654	1704	N11	E11	4245	07	19.5	29	SF		3	C		34		
0244	HOLL	18	1651	1653	1708	N16	E23	4247	07	20.4	17	SN		3	C		166		U
		18	1824		1826	No Flare Patrol													
0245	HOLL	18	1940	1955	2059	N11	E11	4245	07	19.6	79	SF	C 1.9	3	C		77		
0246		19	03361	03519	0414	S15	W25	4240	07	17.2	38	SF					128	1.4	EF
	CULG	19	0336	0351	0402	S16	W25	4240	07	17.2	26	SN			P	0351	160	1.9	F
	LEAR	19	0337	0353	0425	S15	W25	4240	07	17.2	48	SF		3	C		157		F
	PEKG	19	0400E	0400	0400D	S15	W25	4240	07	17.3	48D	SF			P	0400	67	.8	E
0247	LEAR	19	0425	0428	0430	N15	E20	4247	07	20.7	5	SF		3	C		20		F
0248	KHAR	19	0720E		0733D	N12	E46	4253	07	22.8	13D	SF			V	0720			DL
0249		19	07552	07573	0807	S19	W24	4240	07	17.5	12	SN					56	.7	D
	CATA	19	0755	0800	0810	S18	W25	4240	07	17.4	15	S		2	C	0800	56	.7	D
	ISTA	19	0756		0804	S20	W24	4240	07	17.5	8	SN							D
	KHAR	19	0756E	0757	0805D	S19	W25	4240	07	17.4	9D	SN			V	0757			D
	KANZ	19	0757	0757	0807	S19	W24	4240	07	17.5	10	SF		2					
0250	KHAR	19	0832E		0839D	N12	E46	4253	07	22.8	7D	SF			V	0835			DL
0251		19	0935	09485	1008	S16	W32	4240	07	17.0	33	SN					70	.9	E
	KANZ	19	0935	0948	1008	S15	W31	4240	07	17.0	33	SN		1					
	KHAR	19	0935E	0953	1008D	S17	W32	4240	07	17.0	33D	SN			C	0953	70	.9	E
0252	ATHN	19	0935	0948	1004	S08	W41	4250	07	16.3	29	SN			V	0948	64	.9	
0253	KHAR	19	1008E	1008		S10	W16	4249	07	18.2		SF			P	1008	10	.1	D
0254	RAMY	19	1142	1147	1222	S09	W18	4249	07	18.1	40	SF		3	C		38		
0255		19	1307	1320	1340	S10	W18	4249	07	18.2	33	SF					45		
	HOLL	19	1307	1320	1338	S10	W18	4249	07	18.2	31	SF		3	C		45		
	KANZ	19	1326E		1342	S10	W19	4249	07	18.1	16D	SF		2					

68
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0256		19	1354	1402	1422	N15	E15	4247	07	20.7	28	SF					60		
	RAMY	19	1354	1404	1426	N16	E15	4247	07	20.7	32	SF		3	C		79		
	HOLL	19	1355	1406	1417	N14	E15	4247	07	20.7	22	SF		3	C		41		
0257		19	1400*	1417*	1520	S12	E63	4252C	07	24.3	80	1N					105		FK
	RAMY	19	1400	1417	1521	S12	E63	4252C	07	24.3	81	SF		3	C		45		K
	RAMY	19	1400	1436	1521	S12	E63	4252C	07	24.3	81	1N		3	C		135		K
	HOLL	19	1433	1441	1519	S13	E63	4252C	07	24.3	46	1N		3	C		136		F
0258		19	1448*	1457*	1554	S09	W20	4249	07	18.1	66	SF					41		K
	HOLL	19	1448	1517	1600	S09	W19	4249	07	18.2	72	SF		3	C		42		
	RAMY	19	1451	1457	1509	S09	W19	4249	07	18.2	18	SF		3	C		32		
	RAMY	19	1515	1518	1614	S09	W21	4249	07	18.0	59	SF		3	C		45		K
	RAMY	19	1515	1552	1614	S09	W21	4249	07	18.0	59	SF		3	C		45		K
	KANZ	19	1531E		1546D	S09	W20	4249	07	18.1	15D	SN		2					
	KANZ	19	1554E		1554D	S10	W21	4249	07	18.1	15D	SF		2					
0259		19	17083	17113	1735	S10	W22	4249	07	18.1	27	SF					84		F
	HOLL	19	1708	1711	1736	S08	W22	4249	07	18.1	28	SN		3	C		98		F
	PALE	19	1711E	1713U	1736D	S13	W23	4249	07	18.0	25D	SF		3	C		76		F
	RAMY	19	1711	1714	1734	S08	W22	4249	07	18.1	23	SF		3	C		78		
0260	HOLL	19	1851	1851	1859	N11	E41	4253	07	22.9	8	SF		3	C		19		
0261	HOLL	19	1914	1919	2004	S16	W32	4240	07	17.4	50	SF		2	C		31		
		19	2302		2310	No Flare Patrol													
		20	0033		0035	No Flare Patrol													
0262		20	0105E	0106U	0117	N14	E09	4247	07	20.7	12D	SN					82	.8	F
	HOLL	20	0105E	0106U	0115D	N14	E09	4247	07	20.7	10D	SN		2	C		84		F
	YUNN	20	0112E	0112U	0117	N14	E09	4247	07	20.7	5D	SN			P	0112	79	.8	
		20	0253		0330	No Flare Patrol													
0263	LEAR	20	0439	0509	0513	S10	W28	4249	07	18.1	34	SF		3	C		33		F
0264	LEAR	20	0546	0548	0602	S09	W30	4249	07	18.0	16	SF	C 1.0	3	C		28		F
0265		20	0729	07344	0758	N16	E04	4247	07	20.6	29	SF							E
	KANZ	20	0729	0734	0758	N15	E05	4247	07	20.7	29	SF		2					
	KHAR	20	0735E	0738	0753D	N17	E02	4247	07	20.5	18D	SF			V	0738			E
0266	KHAR	20	0750E	0752	0810D	N09	E21	4255	07	21.9	20D	SF			V	0752			L
0267	KHAR	20	0752E		0813D	S07	E12	4247A	07	21.2	21D	SN			V	0758			L
0268	KHAR	20	1005	1010	1030	N18	E13	4247	07	21.4	25	SF			V	1010			EL
0269	KHAR	20	1020E		1035D	S17	W44	4240	07	17.1	15D	1F			V	1023			E
0270	PALE	20	1756	1803	1809	S12	W34	4249	07	18.2	13	SF		3	C		40		
		20	2114		2120	No Flare Patrol													
		20	2131		2138	No Flare Patrol													
		20	2200		2204	No Flare Patrol													
0271	HOLL	20	2354E	2354U	2402D	N12	W20	4245	07	19.5	8D	SF		4	C		30		
0272		21	00252	0027	0035	N08	E13	4255	07	22.0	10	SF					26	.3	
	MANI	21	0025	0027	0034	N08	E13	4255	07	22.0	9	SF		1	V		30	.3	
	LEAR	21	0027	0027	0036	N08	E13	4255	07	22.0	9	SF		3	C		23		
0273		21	01311	01352	0144	N08	E12	4255	07	22.0	13	SF	C 1.8				52	.5	F
	MANI	21	0131	0135	0145	N08	E13	4255	07	22.0	14	SF	C 1.8	1	V		50	.5	F
	LEAR	21	0132	0137	0144	N08	E12	4255	07	22.0	12	SF		3	C		53		F
0274		21	0244	0251	0315	N08	E12	4255	07	22.0	31	SF					68	.7	F
	LEAR	21	0244	0251	0315	N08	E11	4255	07	21.9	31	SF		3	C		70		F
	MANI	21	0254E	0254U	0307D	N08	E12	4255	07	22.0	13D	SF		1	V		65	.7	F

H - ALPHA SOLAR FLARES

69
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0275		21	0509Z	0513	0518	N12	W24	4245	07	19.4	9	SF					67	.7	
	CULG	21	0509	0513	0518	N12	W24	4245	07	19.4	9	SF		C		0513	60	.7	
	LEAR	21	0511	0513	0519	N12	W23	4245	07	19.5	8	SF		3	C		74		
0276		21	1000E	1000*	1011D	S12	W46	4249	07	17.9	11D	SF					20	.4	
	KHAR	21	1000E	1000	1011D	S12	W47	4249	07	17.9	11D	SF		P		1000	30	.5	
	KHAR	21	1052E	1052		S11	W45	4249	07	18.1	D	SF		P		1052	10	.2	
0277	KHAR	21	1149E	1153	1156D	S12	W46	4249	07	18.0	7D	SN		P		1153	40	.7	E
0278	HOLL	21	1658	1659	1702	N08	E03	4255	07	21.9	4	SF	C 1.1	3	C		46		
0279		21	1735*	1738*	1804	S11	W46	4249	07	18.3	29	SF	C 2.0				70		F
	PALE	21	1735	1742	1811	S11	W46	4249	07	18.3	36	SF		3	C		65		F
	HOLL	21	1736	1738	1756	S10	W46	4249	07	18.3	20	SN	C 2.0	3	C		42		F
	RAMY	21	1752	1754	1805	S11	W47	4249	07	18.2	13	SF		3	C		102		F
0280	RAMY	21	1807	1807	1826	S09	W49	4249	07	18.1	19	SF		3	C		41		
0281	RAMY	21	1856	1901	1936	S09	W50	4249	07	18.0	40	SF		3	C		65		F
0282	RAMY	21	1937	1950	2017	N12	W30	4245	07	19.5	40	SF		3	C		65		F
0283	RAMY	21	1957	1959	2036	S07	W51	4260	07	18.0	39	SN		3	C		128		F
		21	2111		2126	No Flare Patrol													
		21	2133		2200	No Flare Patrol													
0284	HOLL	21	2332E	2332U	2350D	N12	E10	4253	07	22.7	18D	SF		3	C		43		F
0285	HOLL	21	2332E	2332U	2405D	N17	W01	4259	07	21.9	33D	SF		3	C		95		FU
0286	HOLL	22	0114	0116	0120D	N11	E09	4253	07	22.7	6D	SF		3	C		29		F
0287		22	0236	0252*	0328	S08	W52	4249	07	18.2	52	SF					72	1.0	F
	LEAR	22	0236	0304	0331	S08	W52	4249	07	18.2	55	SF		3	C		83		F
	MANI	22	0237E	0252	0325	S07	W53	4249	07	18.1	48D	SF		1	V		60	1.0	F
0288	KHAR	22	0630E	0630	0655D	N10	W37	4245	07	19.5	25D	SN		P		0636	60	.8	D
0289	KHAR	22	0635E	0640	0648D	S06	W04	4256	07	22.0	13D	SF		P		0636	80	.8	E
0290	KHAR	22	0638E	0642	0652D	S08	W54	4249	07	18.2	14D	SN		P		0642			D
0291		22	07465	07528	0841	S14	E26		07	24.3	55	1N	C 1.7				268	3.3	FGU
	ABST	22	0746	0752	0753D	S15	E26		07	24.3	7D	1F		P		0752	262	3.2	F
	LEAR	22	0748	0800	0840	S14	E25		07	24.2	52	1N		3	C		263		UF
	ATHN	22	0749E	0753	0842D	S12	E27		07	24.3	53D	1N		V		0753	255	3.1	
	WEND	22	0749	0756	0838	S14	E26		07	24.3	49	1N	C 1.7	C		0756	225	2.7	G
	CATA	22	0750	0752	0835D	S15	E25		07	24.2	45D	1		2	P	0752	337	4.1	
	KANZ	22	0751	0756	0844	S14	E26		07	24.3	53	1N		2					G
0292	KANZ	22	0751	0756	0820	S09	E14	4252	07	23.4	29	SF		2					G
0293	WEND	22	1147	1156	1204	S06	W55	4260	07	18.4	17	SF		C		1156	38	.7	
0294	RAMY	22	1252	1253	1337	S07	W57	4249	07	18.3	45	SN		3	C		43		
0295		22	1321*	1415*	1448	S06	W58	4260	07	18.2	87	1N	C 2.1				100	1.1	FK
	HOLL	22	1321	1416	1445D	S05	W61	4260	07	18.0	84D	1F		3	C		193		K
	HOLL	22	1321	1442	1445D	S05	W61	4260	07	18.0	84D	1N		3	C		148		K
	RAMY	22	1355	1415	1417	S07	W59	4260	07	18.2	22	SF		3	C		18		
	WEND	22	1439	1449	1506	S05	W59	4260	07	18.2	27	SF		C		1449	75	1.5	
	RAMY	22	1440	1442	1500	S07	W56	4260	07	18.4	20	SN	C 2.1	3	C		39		F
	HOLL	22	1441	1442	1524D	S05	W56	4260	07	18.4	43D	1N		4	C		148		F
	WEND	22	1447	1552	1600D	S06	W56	4260	07	18.4	73D	SF	C 2.0	C		1552	38	.7	
	HOLL	22	1541E	1551	1551D	S06	W59	4260	07	18.2	10D	1N		4	C		140		

70
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	(10 ⁻⁶ Disk)			
0296		22	1423	1430*	1451	N12	W41	4245	07	19.5	28	SF	C 1.3				63		.5	F
	WEND	22	1423	1440	1448	N11	W41	4245	07	19.5	25	SF			C	1440	38		.5	
	RAMY	22	1424	1430	1451	N11	W41	4245	07	19.5	27	SF		3	C		78			
	HOLL	22	1424	1432	1454	N13	W41	4245	07	19.5	30	SF	C 1.3	3	C		74			F
0297		22	1543	1552*	1652	S08	W62	4249	07	18.0	69	SN					125			FK
	RAMY	22	1543	1552	1652	S08	W62	4249	07	18.0	69	SN		3	C		112			FK
	RAMY	22	1543	1638	1652	S08	W62	4249	07	18.0	69	SN		3	C		138			K
0298	RAMY	22	1652	1738	1746	S05	W62	4260	07	18.1	54	SF		3	C		55			
0299	RAMY	22	1807	1814	1827	N07	W13	4255	07	21.8	20	SF		3	C		53			
0300		22	1815	1818	1850	S06	W60	4249	07	18.3	35	SN					25			F
	RAMY	22	1815	1818	1838	S07	W59	4249	07	18.3	23	SF		3	C		31			
	HOLL	22	1817	1818	1902	S06	W61	4249	07	18.2	45	SN		3	C		19			F
0301	RAMY	22	1837	1840	1851	N07	W13	4255	07	21.8	14	SF		3	C		41			
0302	HOLL	22	1929	1940	1947	S06	W59	4260	07	18.4	18	SF		3	C		17			
0303	KHAR	23	0620E	0620	0628D	S12	E11	4252	07	24.1	8D	SF			V	0620				E
0304	KHAR	23	0632E	0634	0640D	S06	E90		07	30.0	8D	SF			P	0632	80			D
0305	KHAR	23	0638E	0642	0650D	S09	W90		07	16.5	12D	SN			P	0645	100			H
0306		23	0710	0710E	0723	S06	W64	4260	07	18.5	13	SF					56			CD
	CATA	23	0710	0710	0720	S05	W65	4260	07	18.4	10	S		2	C	0710	56			
	KHAR	23	0710E	0712	0729D	S07	W65	4260	07	18.4	19D	SF			V	0712				CD
	KANZ	23	0711	0716	0726	S05	W63	4260	07	18.6	15	SF		3						
0307	KANZ	23	0716	0726	0756	S05	W23	4256	07	21.6	40	SF		3						
0308		23	0923E	0926*	0933	S08	W72	4249	07	18.0	10D	1B					136		4.5	
	ATHN	23	0923E	0926	0933	S08	W75	4249	07	17.8	10D	1B			V	0926	159		4.5	
	CATA	23	0925E	0945	0950D	S07	W70	4249	07	18.1	25D	1		2	P	0945	112			
0309	HOLL	23	1450	1502	1520	S04	W26	4256	07	21.7	30	SF		3	C		25			
0310		23	1457*	1458*	1529	S06	W79	4260	07	17.7	32	SF	C 6.2				26			K
	RAMY	23	1457	1458	1529	S07	W80	4260	07	17.6	32	SF	C 6.2	3	C		16			
	HOLL	23	1508	1512	1529	S06	W78	4260	07	17.8	21	SF		3	C		48			K
	HOLL	23	1508	1519	1529	S06	W78	4260	07	17.8	21	SN		3	C		13			K
0311	HOLL	23	1837	1903	1943	N08	W26	4255	07	21.8	66	SF		3	C		54			F
0312		23	2000	2002	2012	S05	W83	4260	07	17.6	12	SN					21			K
	HOLL	23	2000	2002	2012	S05	W83	4260	07	17.6	12	SF		3	C		23			K
	HOLL	23	2000	2008	2012	S05	W83	4260	07	17.6	12	SN		3	C		19			K
0313	ABST	24	0321	0826	0906	S04	W36	4256	07	21.4	345	SN			C	0826	131		1.7	DK
0314	CULG	24	0418	0420	0422	S07	W38	4256	07	21.3	4	SF			P	0420	30		.4	
0315	KANZ	24	0733	0733	0806	N13	W66	4245	07	19.3	33	SF		3						
0316	CATA	24	0745	0745	0750D	S07	W90	4260	07	17.6	5D	1		2	P	0745	56			
0317	ABST	24	0820	0830	0837	N16	W70	4245	07	19.0	17	1F			C	0830	87			D
0318	KANZ	24	0908	0908	0918	S07	W78	4249	07	18.5	10	SF		2						
0319		24	1054	1059	1109	S08	W88	4260	07	17.8	15	1B					84			A
	KANZ	24	1054	1059	1109	S08	W87	4260	07	17.9	15	SB		2						A
	CATA	24	1105E	1105	1110D	S07	W90	4260	07	17.7	5D	1		2	P	1105	84			
0320	KANZ	24	1226	1233	1243D	S07	W40	4256	07	21.5	17D	SF		1						

H - ALPHA SOLAR FLARES

71
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0321		24	1340	1353*	1502	S06	W41	4256	07	21.5	82	SN	C	9.0			45		K
	HOLL	24	1340	1353	1502	S06	W41	4256	07	21.5	82	SN		3	C		64		K
	HOLL	24	1340	1444	1502	S06	W41	4256	07	21.5	82	SF	C	9.0	3	C	26		K
0322	HOLL	24	1436	1436	1444	N09	W36	4255	07	21.9	8	SF		3	C		24		
0323	HOLL	24	1439	1440	1453	N10	W26	4253	07	22.6	14	SF		3	C		48		
0324		24	1507	1517	1536	S06	W42	4256	07	21.5	29	SN					98		
	HOLL	24	1507	1517	1535	S05	W42	4256	07	21.5	28	SN		3	C		78		
	RAMY	24	1507	1517	1537	S07	W41	4256	07	21.5	30	SF		3	C		119		
0325	HOLL	24	1523	1529	1543	N10	W26	4253	07	22.7	20	SF		3	C		29		
0326	RAMY	24	1524	1534	1539	N07	W37	4255	07	21.9	15	SF		3	C		32		
0327	HOLL	24	1526	1527	1533	N12	W70	4245	07	19.4	7	SF		3	C		15		
0328		24	15549	15586	1606	S06	W42	4256	07	21.5	12	SF					57		F
	RAMY	24	1554	1558	1602	S06	W42	4256	07	21.5	8	SF		3	C		73		F
	RAMY	24	1603	1604	1611	S06	W42	4256	07	21.5	8	SF		3	C		41		
0329	HOLL	24	1708	1717	1728	S05	W43	4256	07	21.5	20	SN		3	C		50		
		24	1813		1838	No Flare Patrol													
		24	1843		1858	No Flare Patrol													
		24	1907		1910	No Flare Patrol													
		24	1917		1938	No Flare Patrol													
		24	1946		1958	No Flare Patrol													
		24	2007		2130	No Flare Patrol													
0330		24	2148	21542	2252	N10	W74	4245	07	19.3	64	1N					120		FI
	PALE	24	2148	2154	2255	N11	W74	4245	07	19.3	67	1N		3	C		120		F
	CULG	24	2148	2156	2249	N10	W74	4245	07	19.3	61	1N			C	2156	120		FI
0331	ABST	25	0358E	0358	0401D	N09	W46	4255	07	21.7	30	SF			P	0358	87	1.3	E
0332	ABST	25	0358E	0358	0401D	S06	W90	4251	07	18.4	30	1N			P	0358	61		AD
0333	LEAR	25	0438	0442	0447	N07	W46	4255	07	21.7	9	SF		3	C		36		
0334	KHAR	25	0642E	0647	0700D	S05	W90	4251	07	18.5	18D	1F			P	0647	200		H
0335	KHAR	25	0708E	0710	0723D	S07	W50	4256	07	21.5	15D	SF			V	0710			D
0336		25	0710	07154	0728	S15	E26		07	27.3	18	SF					97	1.2	E
	BUCA	25	0710	0715U	0725	S14	E25		07	27.2	15	SF			P	0715	107	1.3	E
	CATA	25	0710	0715	0730	S15	E27		07	27.3	20	S		2	C	0715	84	1.0	E
	KHAR	25	0717E	0719	0729D	S15	E26		07	27.3	12D	SF			P	0722	100	1.2	E
0337	KHAR	25	0722E		0730D	N05	W49	4255	07	21.6	8D	SF			V	0722			D
0338	KHAR	25	0725E		0817D	S07	W90	4251	07	18.6	52D	1F			P	0806	150		CH
0339	KHAR	25	0804E	0804	0820D	N13	W31	4253	07	23.0	16D	SF			P	0806	60	.7	D
0340	KHAR	25	0830E	0830	0842D	S07	W90	4251	07	18.6	12D	SF			V	0830			D
0341	KHAR	25	0834E	0842	0848D	S06	W53	4256	07	21.4	14D	SF			V	0842			D
0342	KHAR	25	0924E	0926	0942D	N11	W82	4245	07	19.2	18D	SF			V	0926			D
0343		25	1035	1040*	1056	N08	W48	4255	07	21.8	21	SN					104	1.6	
	CATA	25	1035	1040	1040D	N06	W51	4255	07	21.6	5D	S		2	P	1040	112	1.8	
	ATHN	25	1049E	1052	1056	N09	W45	4255	07	22.1	7D	N			V	1052	95	1.3	
0344		25	1108E	1112	1122	N08	W50	4255	07	21.7	14D	1F	C	1.6			105	.4	D
	KAND	25	1108E	1112	1122	N09	W53	4255	07	21.5	14D	SF	C	1.6		C	21	.4	D
	RAMY	25	1141E	1150U	1202D	N07	W48	4255	07	21.9	21D	1F		3	C		189		

72
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	OMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement (10 ⁻⁶ Disk)	Apparent Corr (Sq Deg)	Remarks
0345	RAMY	25 1307	1310	1316	S06	W55	4256	07	21.4	9	SF		3	C		29		
		25 1401		1610	No Flare Patrol													
0346	KANZ	25 1624	1624	1639	S07	W88	4251	07	19.1	15	SF		3					
		25 1705		1802	No Flare Patrol													
0347	HOLL	25 1844	1845	1851	N08	W56	4255	07	21.6	7	SF		3	C		17		
0348		25 1955*	2001*	2038	S04	W59	4256	07	21.4	43	SF					22		F
	HOLL	25 1955	2001	2008D	S05	W59	4256	07	21.4	13D	SF		2	C		15		
	HOLL	25 2012	2022	2038	S04	W59	4256	07	21.4	26	SF		3	C		29		F
		25 2047		2110	No Flare Patrol													
		25 2117		2124	No Flare Patrol													
0349		25 2136	2139U	2150	N04	W60	4255	07	21.4	14	1N					68	2.2	
	CULG	25 2136	2139U	2153	N03	W60	4255	07	21.4	17	1N				2139	110	2.2	
	HOLL	25 2140E	2140U	2147	N05	W60	4255	07	21.4	7D	SN		2	C		27		
0350	CULG	25 2205	2212	2236	N20	E63		07	30.7	31	SF			C	2212	40	.8	
0351	HOLL	25 2308E	2309U	2319D	N14	W85	4245	07	19.5	11D	SF		2	C		12		
0352	CULG	26 0212E	0212U	0215	N03	W65	4255	07	21.2	3D	SF			P	0212	50		
0353	ABST	26 0436E	0436	0438	N04	W66	4255	07	21.2	2D	SF			P	0436	87		D
0354	KHAR	26 0705E	0705	0728D	S06	W66	4256	07	21.3	23D	SF			P	0708	45		DH
0355	RAMY	26 1304	1307	1312	S09	E89	4263	08	2.2	8	SF		3	C		28		
0356	HOLL	26 2053	2054	2112	N10	W56	4253	07	22.7	19	SF	C 1.7	3	C		27		
0357		26 2245	2245	2250	N06	W70	4255	07	21.7	5	SN					19		
	PALE	26 2245	2245	2250	N05	W71	4255	07	21.6	5	SF		3	C		15		
	HOLL	26 2245E	2245U	2251	N07	W70	4255	07	21.7	6D	SN		3	C		23		
0358	PALE	27 0007	0009	0010	N06	W74	4255	07	21.5	3	SF		3	C		21		
0359		27 0022*	00311	0045	S04	W81	4256	07	20.9	23	1F	C 2.0				50		F
	CULG	27 0022	0031	0049	S05	W83	4256	07	20.8	27	1F			C	0031	80		F
	LEAR	27 0032	0032	0041	S02	W79	4256	07	21.1	9	SF	C 2.0	3	C		20		
0360	ABST	27 0407E	0408	0420	S03	W88		07	20.6	13D	1F			P	0408	87		AD
0361	ABST	27 0556E	0557	0559D	N12	W66	4253	07	22.3	3D	SF			P	0557	87		D
0362		27 0829	0830	0840	S04	W87	4256	07	20.8	11	SN	C 1.7				12		
	LEAR	27 0829	0830	0840	S03	W88	4256	07	20.8	11	SF	C 1.7	3	C		12		
	KANZ	27 0845E		0845D	S05	W86	4256	07	20.9	11D	SN		1					
		27 0859		0925	No Flare Patrol													
		27 0938		0939	No Flare Patrol													
0363	CATA	27 0955	0955	1000	S09	E90	4263	08	3.2	5	S		2	C	0955	28		
0364	CATA	27 1130	1130	1145D	S09	E90	4263	08	3.2	15D	1		2	P	1130	56		
0365	KANZ	27 1342E		1343D	S07	W90	4256	07	20.8	1D	SN		1					
0366		27 1758*	1806*	1821	S10	E84	4263	08	3.1	23	SF	C 1.8				10		
	PALE	27 1758	1806	1810	S08	E86	4263	08	3.2	12	SF	C 1.8	3	C		10		
	HOLL	27 1802	1807	1813	S10	E83	4263	08	3.0	11	SF		3	C		14		
	RAMY	27 1823	1825	1825	S10	E84	4263	08	3.1	2	SF		3	C		9		
	RAMY	27 1831	1834	1836	S10	E82	4263	08	2.9	5	SF		3	C		7		

H - ALPHA SOLAR FLARES

73
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0367		27	1918*	1942*	1951	S10	E85	4263	08	3.2	33	SF					21		
	PALE	27	1851E	1912U	1922	S09	E89	4263	08	3.5	31D	SF		3	C		11		
	HOLL	27	1918	1942	1955	S11	E82	4263	08	3.0	37	SF		3	C		21		
	RAMY	27	1937	2006	2016	S10	E84	4263	08	3.1	39	SF		3	C		31		
0368	PALE	27	2121	2131	2143	S08	E86	4263	08	3.3	22	SF		3	C		24		
0369		27	22048	2154*	2217	S09	E86	4263	08	3.4	13	SF					57		DJ
	RAMY	27	2149E	2154	2158	S08	E81	4263	08	3.0	9D	SF		3	C		48		
	RAMY	27	2204	2204	2210D	S10	E84	4263	08	3.2	6D	SF		3	C		14		
	VORO	27	2210	2214	2221	S09	E90	4263	08	3.7	11	SF			C	2214	108		DJ
	PALE	27	2212	2213	2231	S08	E89	4263	08	3.6	19	SF		3	C				
0370		27	2251*	22599	2316	S08	E83	4263	08	3.2	25	SN					25		
	HOLL	27	2251	2259	2315	S10	E80	4263	08	3.0	24	SN		3	C		25		
	PALE	27	2307	2308	2317	S05	E86	4263	08	3.4	10	SF		3	C				
0371	VORO	27	2358	2406	2411	S09	E90	4263	08	3.7	13	SF			C	2406	81		DJ
0372	LEAR	28	0001E	0024	0039	S11	E74	4263	08	2.6	38D	SN		3	C		38		
0373	LEAR	28	0046	0056	0136	S10	E83	4263	08	3.3	50	SF			C		32		
0374	LEAR	28	0137	0144	0202	S09	E80	4263	08	3.1	25	SF		3	C		33		
0375		28	0510	0516*	0546	S08	E78	4263	08	3.1	36	1N					146		DEK
	TACH	28	0325E		0545D	S08	E70	4263	08	2.4	140D	1B			C		203		D
	CULG	28	0510	0516	0521	S07	E79	4263	08	3.1	11	1N			P	0516	60		
	ABST	28	0545E	0549	0611	S10	E85	4263	08	3.6	26D	1N			P	0549	175		EK
0376	ISTA	28	0706		0715	S13	E78	4263	08	3.2	9	SF							D
0377	ISTA	28	0744		0754	S13	E78	4263	08	3.2	10	SF							D
0378		28	1129	1156*	1312	S09	E75	4263	08	3.1	103	SN	C 3.0				40	2.8	AK
	RAMY	28	1129	1202	1348	S10	E75	4263	08	3.1	139	SN		3	C		57		K
	RAMY	28	1129	1234	1348	S10	E75	4263	08	3.1	139	SN	C 3.0	3	C		47		K
	WEND	28	1139E	1156	1208	S09	E75	4263	08	3.1	29D	SN			C	1156	25		
	KAND	28	1218E	1224	1316	S09	E80	4263	08	3.5	58D	1N	C 1.1		C		42	2.8	A
	KANZ	28	1231E		1240D	S09	E73	4263	08	3.0	9D	SN		1					
	WEND	28	1238E	1238	1303	S09	E74	4263	08	3.1	25D	SN	C 2.6		C	1238	31		
0379	RAMY	28	1304	1305	1309	N11	W83	4253	07	22.3	5	SF		3	C		36		
0380		28	1329*	1401*	1435	S11	E77	4263	08	3.3	66	SF	C 1.4				26		FK
	HOLL	28	1329	1412	1433	S14	E72	4263	08	3.0	64	SN	C 1.4	3	C		29		F
	RAMY	28	1358	1401	1436	S10	E79	4263	08	3.5	38	SF		3	C		27		K
	RAMY	28	1358	1411	1436	S10	E79	4263	08	3.5	38	SF	C 1.8	3	C		23		K
0381		28	17508	1805	1816	S08	E70	4263	08	3.0	26	SF	C 2.0				13		
	HOLL	28	1750	1800U	1808	S08	E69	4263	08	2.9	18	SF	C 2.0	2	C		11		
	RAMY	28	1750	1805	1833	S08	E71	4263	08	3.1	43	SN		3	C		18		
	PALE	28	1758	1805	1807	S07	E70	4263	08	3.0	9	SF	C 4.4	3	C		9		
0382	PALE	28	2007	2008	2011	S06	E69	4263	08	3.0	4	SF		3	C		6		
0383	PALE	28	2120	2121	2131	S08	E67	4263	08	2.9	11	SF		3	C		16		
0384	CULG	29	0217	0225	0325	N12	W87	4253	07	22.5	68	SF			C	0225	40		FI
0385		29	0353	0405*	0510	S11	E64	4263	08	3.0	77	1N	M 1.0				110	3.5	FK
	CULG	29	0353	0405	0434	S10	E65	4263	08	3.0	41	1N			P	0405	140	3.5	F
	LEAR	29	0353	0408	0528	S12	E64	4263	08	3.0	95	1N		3	C		134		FK
	LEAR	29	0353	0502	0528	S12	E64	4263	08	3.0	95	SN	M 1.0	3	C		56		K
0386		29	0358	0402*	0541	S15	E66	4267A	08	3.2	103	1N					213	4.8	E
	PURP	29	0358	0402	0541	S14	E66	4267A	08	3.1	103	1B			C	0402	113		
	TACH	29	0358	0438	0545D	S13	E70	4267A	08	3.4	107D	1B			C	0438	265	4.8	E
	ABST	29	0402E	0402	0419D	S17	E63	4267A	08	2.9	17D	1F			P	0402	262		E

74
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0387	RAMY	29	1341	1342	1352	S17	E70	4267	08	3.9	11	SF		3	C		14		
		29	1459		1503			No Flare Patrol											
		29	1544		1551			No Flare Patrol											
		29	1603		1617			No Flare Patrol											
0388		29	1611*	16418	1653	S18	E68	4267	08	3.8	42	SF C	3.4				55		F
	HOLL	29	1611	1641	17000	S17	E68	4267	08	3.8	49D	SF		3	C		81		F
	RAMY	29	1646	1649	1653	S19	E69	4267	08	4.0	7	SF C	3.4	3	C		29		
		29	1621		1631			No Flare Patrol											
		29	1640		1644			No Flare Patrol											
		29	1700		1711			No Flare Patrol											
0389	HOLL	29	1714	1740	1821	S18	E67	4267	08	3.8	67	SF		3	C		51		F
		29	1743		1753			No Flare Patrol											
		29	1801		1810			No Flare Patrol											
		29	1817		1818			No Flare Patrol											
		29	1823		1832			No Flare Patrol											
		29	1850		2337			No Flare Patrol											
		30	0038		0052			No Flare Patrol											
0390	LEAR	30	0117	0120	0127	S12	E60	4263	08	3.6	10	SF		3	C		25		
0391		30	0524	05251	0534	N12	W24	4269	07	28.4	10	SF					76	1.4	E
	LEAR	30	0524	0525	0538	N13	W24	4269	07	28.4	14	SF		3	C		21		
	ABST	30	0524	0526	0530	N12	W24	4269	07	28.4	6	SF				0526	131	1.4	E
0392		30	0726E	0726*	0804D	S08	E49	4263	08	3.0	38D	SF							DH
	KHAR	30	0726E	0726	0732D	S12	E51	4263	08	3.1	6D	SF			V	0726			DH
	KHAR	30	0729E	0731	0735D	S06	E47	4263	08	2.8	6D	SF			V	0731			DH
	KHAR	30	0756E	0758	0804D	S05	E50	4263	08	3.1	8D	SF			V	0758			DH
0393	LEAR	30	0800	0806	0815	N14	W25	4269	07	28.4	15	SF		3	C		23		FH
0394		30	0903E	0904*	0938D	S11	E60	4271	08	3.9	35D	SN					65	.6	D
	KHAR	30	0903E	0904	0909D	S11	E57	4271	08	3.7	6D	SN			P	0908	30	.6	D
	KHAR	30	0914E	0915	0938D	S11	E64	4271	08	4.2	24D	SN			P	0916	100		
0395		30	09053	09073	0940	N12	W26	4269	07	28.4	35	1N					110	3.3	F
	LEAR	30	0905	0907	0919D	N13	W25	4269	07	28.5	14D	SF		3	C		21		F
	KHAR	30	0908	0910	0940	N12	W27	4269	07	28.3	32	1N			P	0916	200	3.3	
0396	KHAR	30	0917E	0918	0922D	S17	E59	4267A	08	3.9	5D	SF			V	0918			
0397	KHAR	30	0927E	0930	0937D	S14	W43	4264	07	27.1	10D	SF			V	0930			
		30	1044		1049			No Flare Patrol											
0398		30	11146	11257	1213	N13	W28	4269	07	28.3	59	SB C	3.5				122	1.0	K
	RAMY	30	1114	1125	1213	N13	W28	4269	07	28.3	59	SB C	3.5	3	C		162		K
	RAMY	30	1114	1132	1213	N13	W28	4269	07	28.3	59	SB		3	C		119		K
	CATA	30	1120	1125	1145D	N14	W28	4269	07	28.3	25D	S		1	P	1125	84	1.0	
0399	RAMY	30	1148	1210	1211	S10	E48	4263	08	3.1	23	SF		3	C		40		
		30	1157		1209			No Flare Patrol											
		30	1219		1225			No Flare Patrol											
		30	1233		1239			No Flare Patrol											
0400	HOLL	30	1418	1421	1430	N14	W30	4269	07	28.3	12	SF		3	C		23		
0401		30	1438*	15142	1548	N14	W30	4269	07	28.3	70	SB					149		
	HOLL	30	1438	1516	1548	N14	W30	4269	07	28.3	70	SB		3	C		154		
	RAMY	30	1454	1514	1544D	N13	W30	4269	07	28.3	50D	SB		3	C		144		
0402		30	18191	18271	1840	S06	E41	4263	08	2.8	21	1B					151		H
	RAMY	30	1819	1827	1839	S06	E41	4263	08	2.8	20	SB		3	C		144		
	HOLL	30	1820	1828	1840	S06	E41	4263	08	2.8	20	1B		3	C		158		H

H - ALPHA SOLAR FLARES

75
Jul 83

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0403	HOLL	30	1912	1914	1917	S06	E39	4263	08	2.7	5	SB	C 4.9	3	C		62		
0404	HOLL	30	1921	1923	1935	N14	W34	4269	07	28.2	14	SF	C 8.3	3	C		20		
0405	HOLL	30	1930	1930	1934	S09	E44	4263	08	3.1	4	SF		3	C		22		F
0406	HOLL	30	1941	1946	1959	N14	W34	4269	07	28.2	18	SF		3	C		42		
0407	HOLL	30	1950	1953	1958	S08	E45	4263	08	3.2	8	SF	C 1.8	3	C		25		
		30	2028		2030			No Flare Patrol											
		30	2109		2111			No Flare Patrol											
		30	2122		2128			No Flare Patrol											
0408		30	21453	21538	2248	N13	W34	4269	07	28.3	63	SB	C 1.7				155		EF
	HOLL	30	2145	2201	2248	N14	W34	4269	07	28.3	63	SB		2	C		148		FE
	RAMY	30	2148	2153	2218D	N12	W35	4269	07	28.3	30D	SB	C 1.7	3	C		161		
	PALE	30	2149E	2154U	2203D	N13	W34	4269	07	28.3	14D	SN	C 7.6	3	C		156		
0409		30	2156	2200	2202	S06	E38	4263	08	2.7	6	SN					43		
	RAMY	30	2156	2200	2202	S06	E38	4263	08	2.7	6	SN		3	C		35		
	PALE	30	2158E	2201U	2203D	S05	E39	4263	08	2.8	5D	SF		3	C		51		
0410	HOLL	30	2235	2235	2246	S08	E43	4263	08	3.2	11	SB		3	C		44		
		30	2325		2327			No Flare Patrol											
0411	PALE	31	0108	0116	0121	S08	E44	4263	08	3.3	13	SF		3	C		24		
0412	LEAR	31	0125	0126	0130	S07	E53	4268	08	4.0	5	SF	C 2.0	3	C		22		
0413		31	0147	01471	0154	N12	W34	4269	07	28.5	7	SB	C 4.7				38	.3	F
	LEAR	31	0147	0147	0149	N13	W34	4269	07	28.5	2	SN	C 4.7	3	C		52		F
	PURP	31	0148E	0148	0200	N11	W34	4269	07	28.5	12D	SB			P	0148	24	.3	
0414		31	0151	0200*	0316	S07	E41	4263	08	3.1	85	SN					124	1.6	EF
	LEAR	31	0151	0216	0254	S08	E42	4263	08	3.2	63	SN		3	C		118		F
	PALE	31	0153E	0218U	0334D	S06	E40	4263	08	3.1	101D	SN		3	C		144		F
	PURP	31	0200E	0200	0339	S08	E40	4263	08	3.1	99D	SN			C	0200	113	1.5	E
	CULG	31	0208E	0208U	0241D	S07	E42	4263	08	3.2	33D	SN			P	0208	120	1.6	F
0415	LEAR	31	0540	0540	0554	S06	E32	4263	08	2.6	14	SF		3	C		43		
0416		31	0624	0627	0638	S10	E32	4263	08	2.7	14	SB					39	.3	EF
	LEAR	31	0624	0627	0636	S09	E32	4263	08	2.7	12	SN		3	C		52		F
	PURP	31	0624	0627	0641	S10	E32	4263	08	2.7	17	SB			C	0627	26	.3	E
0417		31	06502	06512	0658	N14	W38	4269	07	28.4	8	SN					72	1.1	DV
	ABST	31	0650	0651	0656	N14	W38	4269	07	28.4	6	SN			C	0651	87	1.1	DV
	LEAR	31	0652	0653	0659	N13	W37	4269	07	28.5	7	SN		3	C		57		
0418		31	0742*	0743*	0802	S17	E42	4263A	08	3.5	20	SF					51	1.2	
	LEAR	31	0742	0743	0759	S16	E45	4263A	08	3.7	17	SF		3	C		18		
	CATA	31	0755	0755	0805	S18	E39	4263A	08	3.3	10	S		1	C	0755	84	1.2	
0419		31	0825*	0831*	1005	S10	E45	4263	08	3.7	100	SF					84	1.2	
	CATA	31	0825	0840	1005	S08	E44	4263	08	3.6	100	S		2	C	0840	84	1.2	
	PURP	31	0831E	0831	0846D	S09	E47	4263	08	3.9	15D	SF			C	0831	53	.8	
	CATA	31	0850	0905	1025	S12	E44	4263	08	3.7	95	S		2	C	0905	56	.8	
	ATHN	31	0915E	0915	0946	S10	E44	4263	08	3.7	31D	1F			V	0915	143	2.2	
0420	LEAR	31	0829	0909	0927D	S10	E29	4263	08	2.5	58D	1N		3	C		220		F
0421	CATA	31	1025	1025	1030	S12	W10	4266	07	30.7	5	S		2	C	1025	28	.3	
0422	RAMY	31	1146	1151	1203	S21	E48	4267	08	4.2	17	SF		3	C		48		
0423	HOLL	31	1355	1437	1441	N15	W43	4269	07	28.3	46	SF		3	C		47		

76
Jul 83

H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0424	HOLL	31	1411	1412	1440	S08	E47	4268	08	4.1	29	SF		3	C		20		
0425		31	19071	19091	1924	S08	E22	4263	08	2.4	17	SN					52		F
	PALE	31	1907	1910	1923	S07	E22	4263	08	2.4	16	SF		3	C		44		
	HOLL	31	1908	1909	1925	S08	E21	4263	08	2.4	17	SN		3	C		59		F
		31	1944		1948	No Flare Patrol													
		31	2053		2104	No Flare Patrol													
0426		31	2153	21545	2206	S07	E26	4263	08	2.8	13	SF					133	1.6	DEFIJ
	PALE	31	2151E	2156U	2214	S08	E29	4263	08	3.1	23D	SN		3	C		129		F
	VORO	31	2153	2154	2156	S06	E20	4263	08	2.4	3	SF				2154	81	.9	D
	VORO	31	2153	2159	2209	S08	E30	4263	08	3.2	16	IF				2159	188	2.2	EIJ
0427	VORO	31	2221	2222	2230	S06	E20	4263	08	2.4	9	SF			C	2222	99	1.1	DJ

"Remarks":

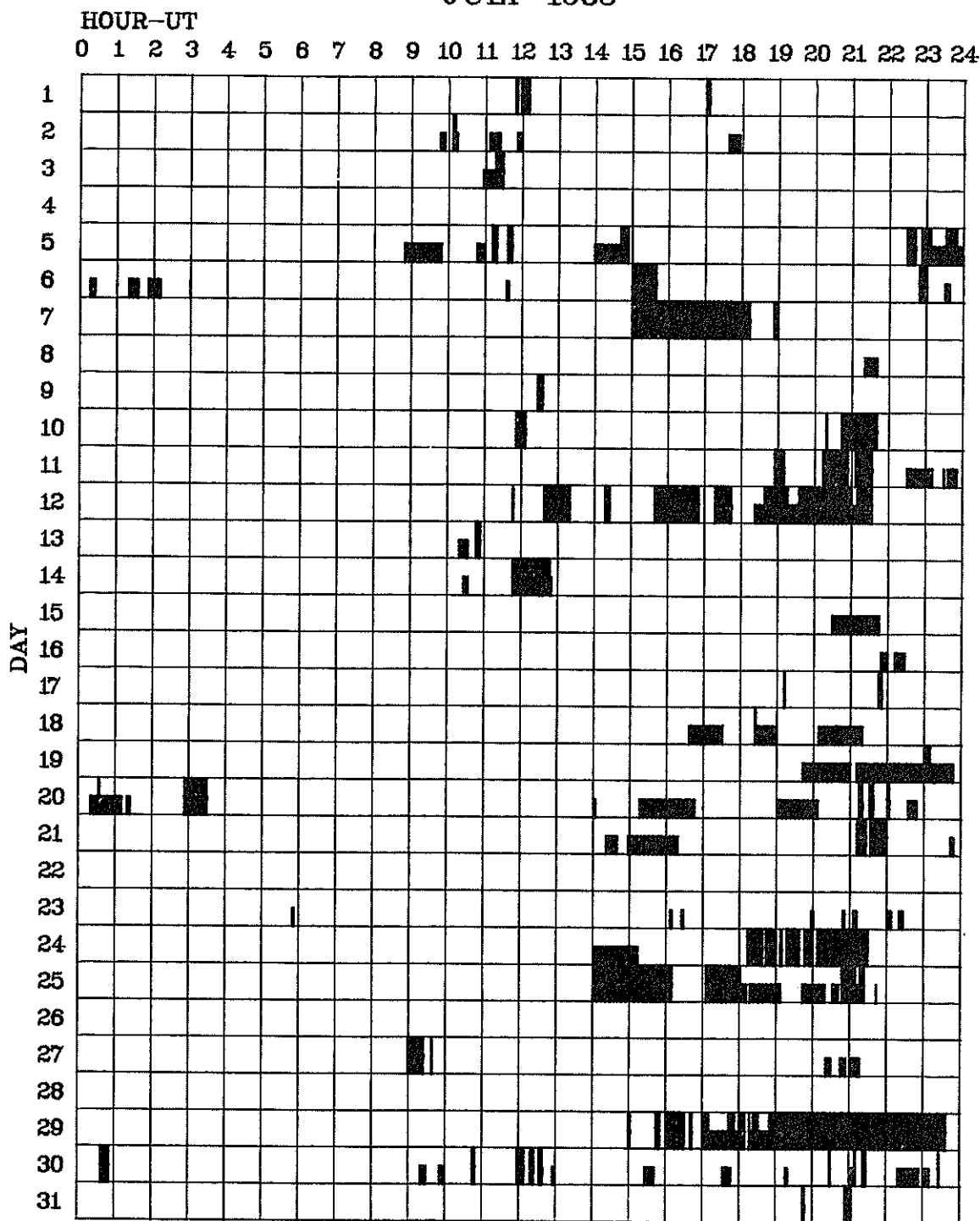
A = Eruptive prominence whose base is less than 90° from central meridian.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No visible spots in the neighborhood.
H = Flare accompanied by high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.

O = Observations have been made in the H and K lines of Ca II.
P = Flare shows helium D3 in emission.
Q = Flare shows Balmer continuum in emission.
R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
S = Brightness follows disappearance of filament in same position.
T = Region active all day.
U = Two bright branches, parallel or converging.
V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide H-alpha line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

77
Jul 83

JULY 1983



Times of no flare patrol, shown here as shaded areas, combine reports from the observatories listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind, that is, of neither visual nor cinematographic; portions of a panel with only the bottom half shaded mark times of strictly visual patrol.

Abastumani
Athens
Bucharest

Catania
Culgoora
Holloman
Istanbul
Kandilli

Kanzelhoehe
Kharkov
Learmonth
Lvov
Manila

Mitaka
Monte Mario
Palehua
Peking
Purple Mt.

Ramey
Tashkent
Voroshilov
Wendelstein
Yunnan

78
Jul 83

NUMBER OF SOLAR FLARES
(From the Grouped Flare Listings)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1966								391	558	432	417	543
1967	796	589	1009	694	771	629	907	911	573	946	775	1109
1968	1037	773	519	460	768	697	573	611	616	772	556	640
1969	581	504	669	655	839	694	489	551	540	643	566	422
1970	466	646	578	688	722	836	954	780	811	797	687	667
1971	598	505	387	546	461	430	713	673	518	375	431	394
1972	384	599	621	361	614	541	404	515	371	408	175	210
1973	221	171	410	453	388	270	232	182	353	201	136	163
1974	127	148	79	364	255	204	360	187	270	366	153	81
1975	68	82	69	19	42	85	196	346	68	38	127	25
1976	69	18	180	60	38	48	6	47	57	23	13	55
1977	54	77	18	76	64	210	140	140	250	252	107	336
1978	274	588	338	526	330	460	533	346	554	499	418	648
1979	926	781	731	731	907	772	750	821	901	1018	888	786
1980	703	689	621	1092	811	956	763	720	924	988	1027	838
1981	578	782	914	915	658	592	893	982	680	836	773	615
1982	631	763	783	490*	553*	769*	696*	753*	616*	545*	565*	749*
1983	332*	220*	337*	346*	609*	561*	427*					

* Preliminary

C O N T E N T S

Comprehensive Reports

MISCELLANEOUS DATA

Number 491 Part II

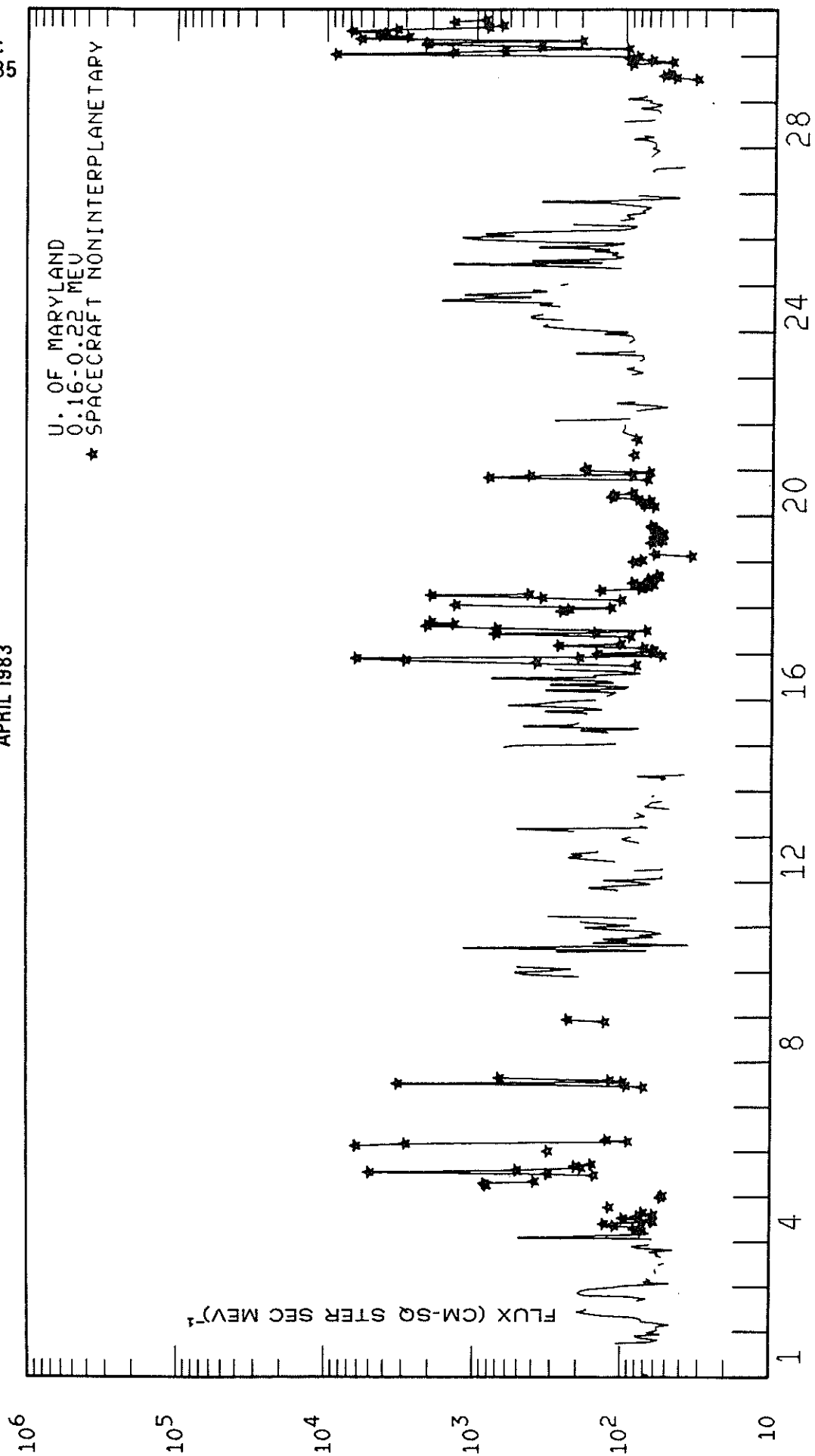
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INTERPLANETARY SOLAR PARTICLES Apr-Dec 1983

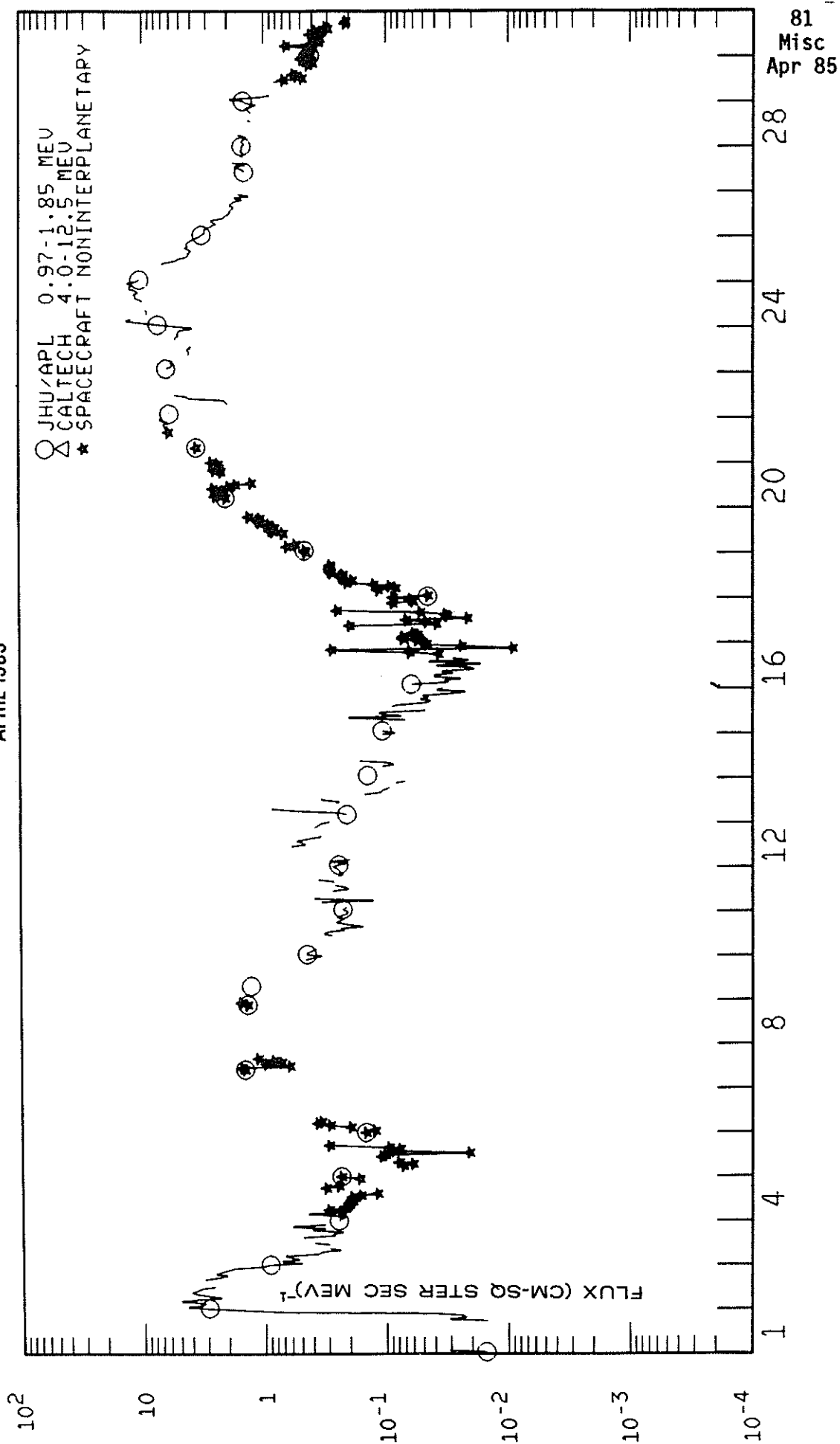
IMP 8 Protons and Alpha Particles 80 -115

80
Misc
Apr 85

IMP 8 LOW ENERGY PROTONS
APRIL 1983



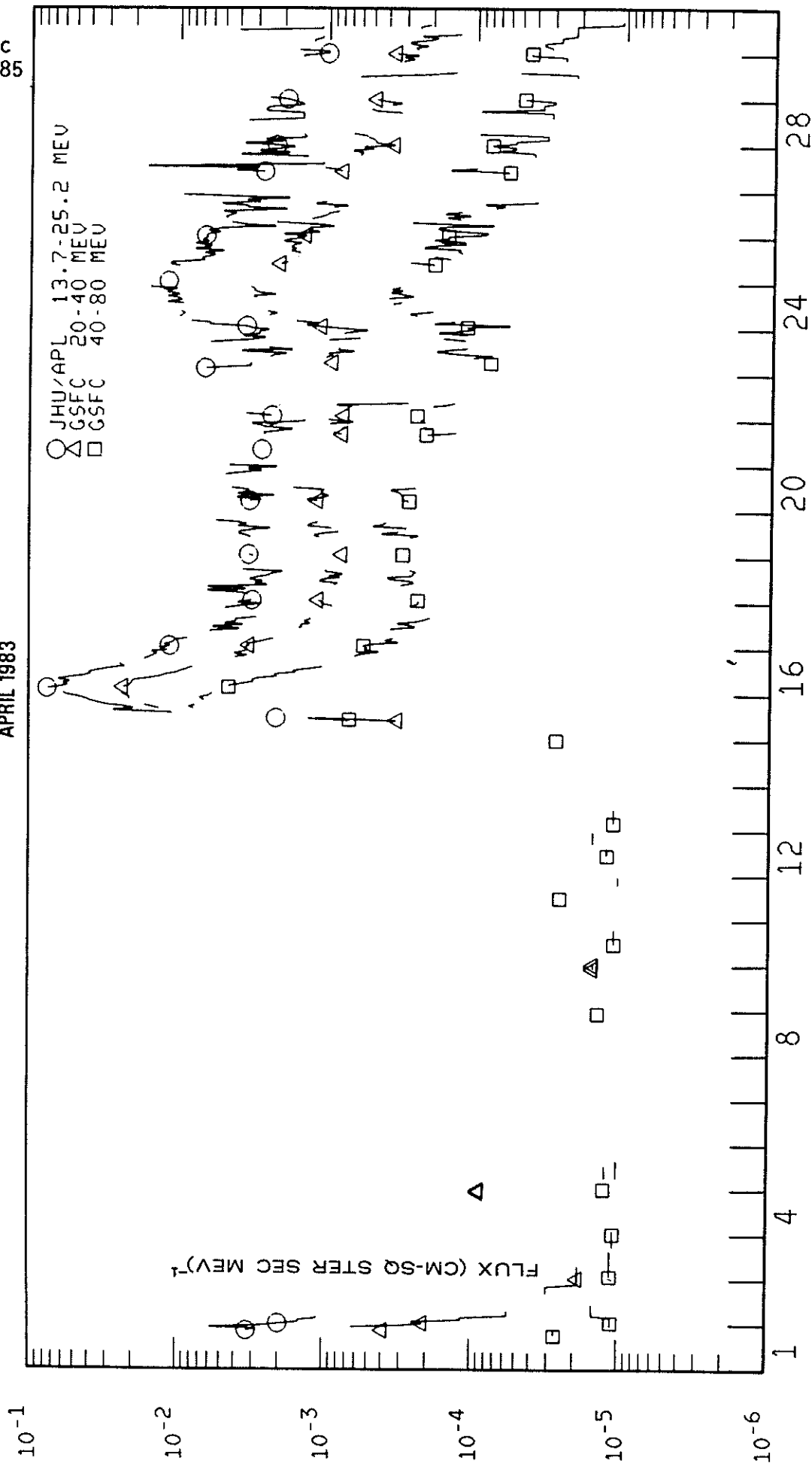
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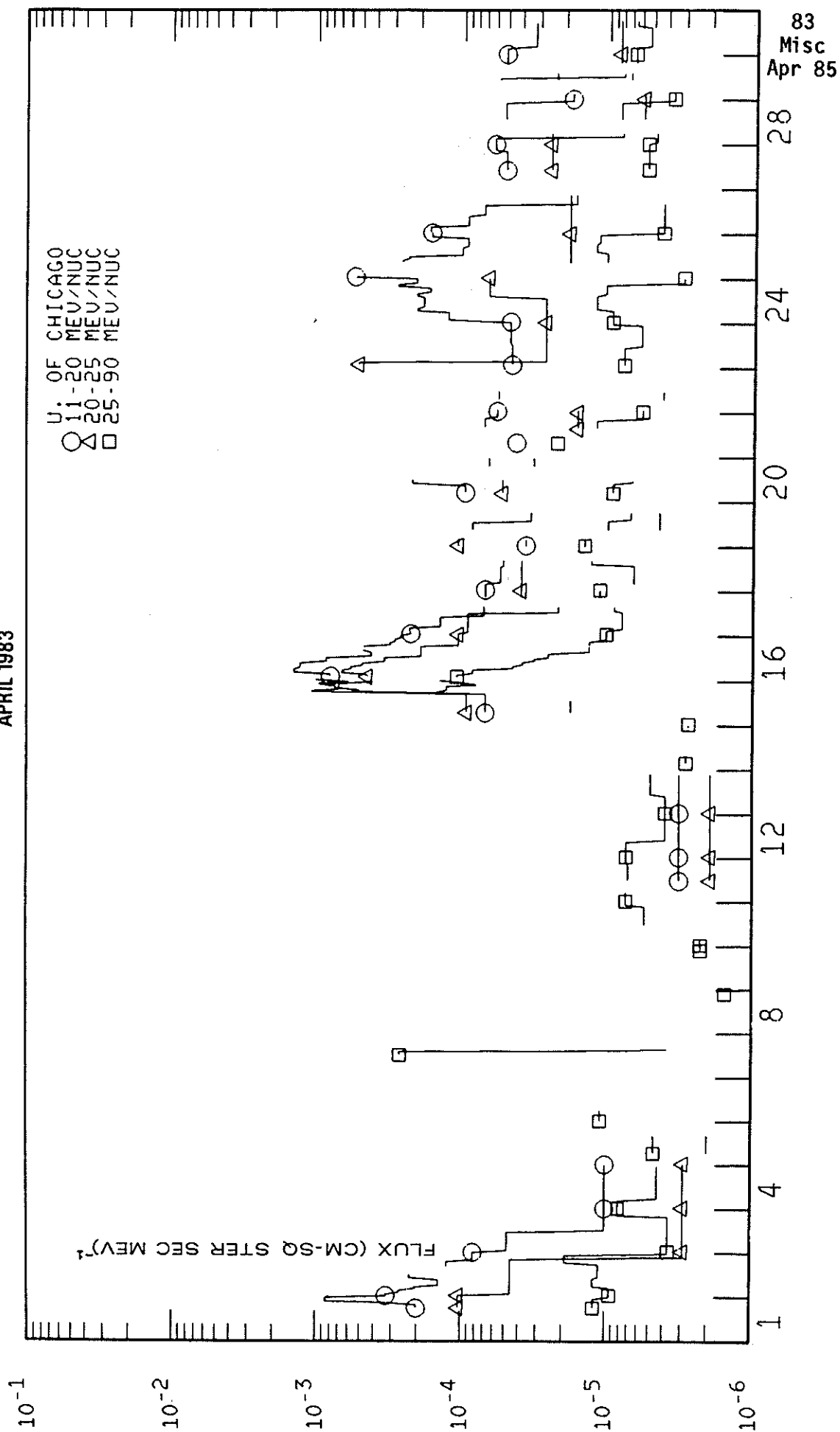
81
Misc
Apr 85

82
Misc
Apr 85

IMP 8 HIGH ENERGY PROTONS
APRIL 1983

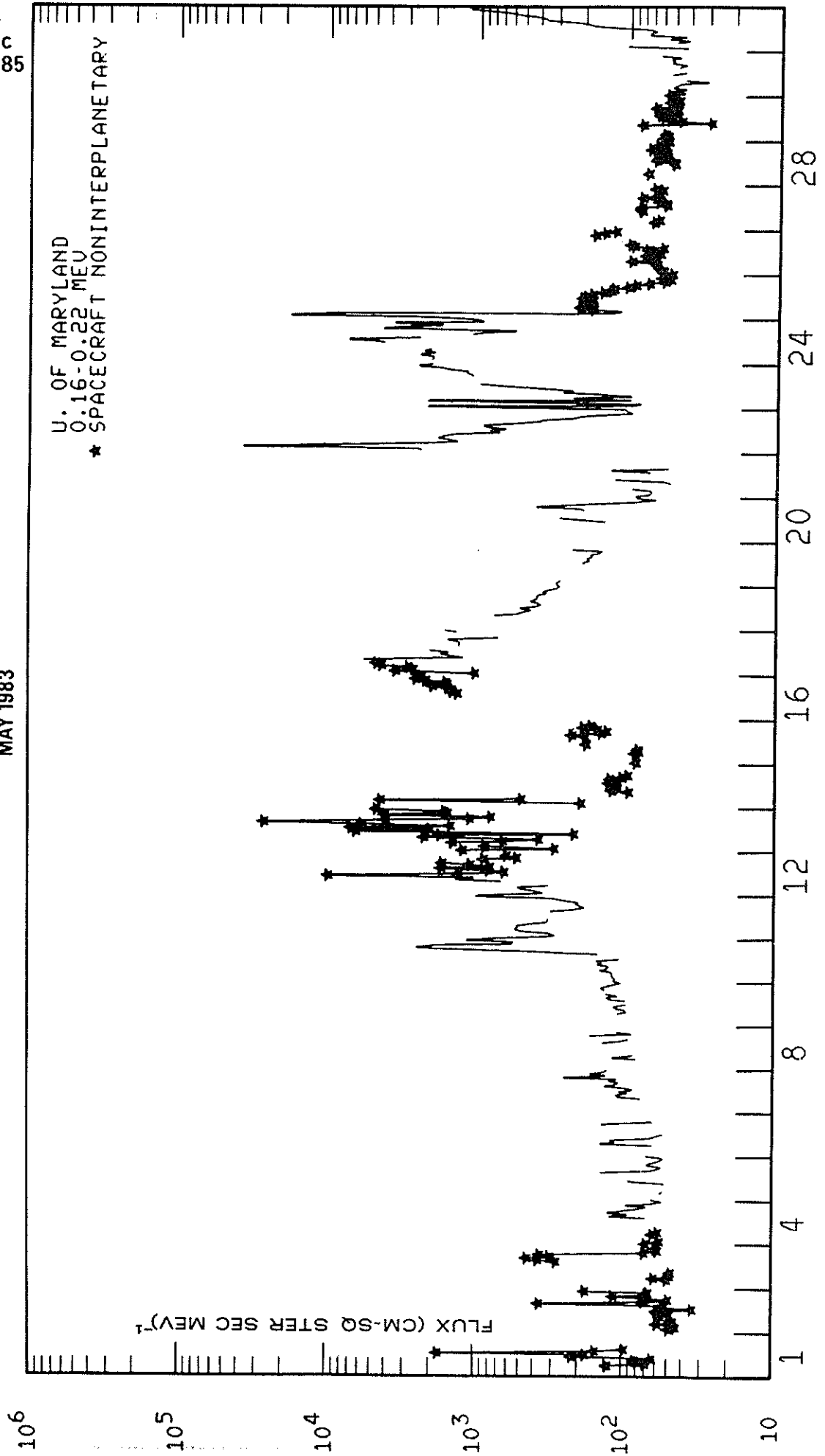


IMP 8 ALPHA PARTICLES APRIL 1983

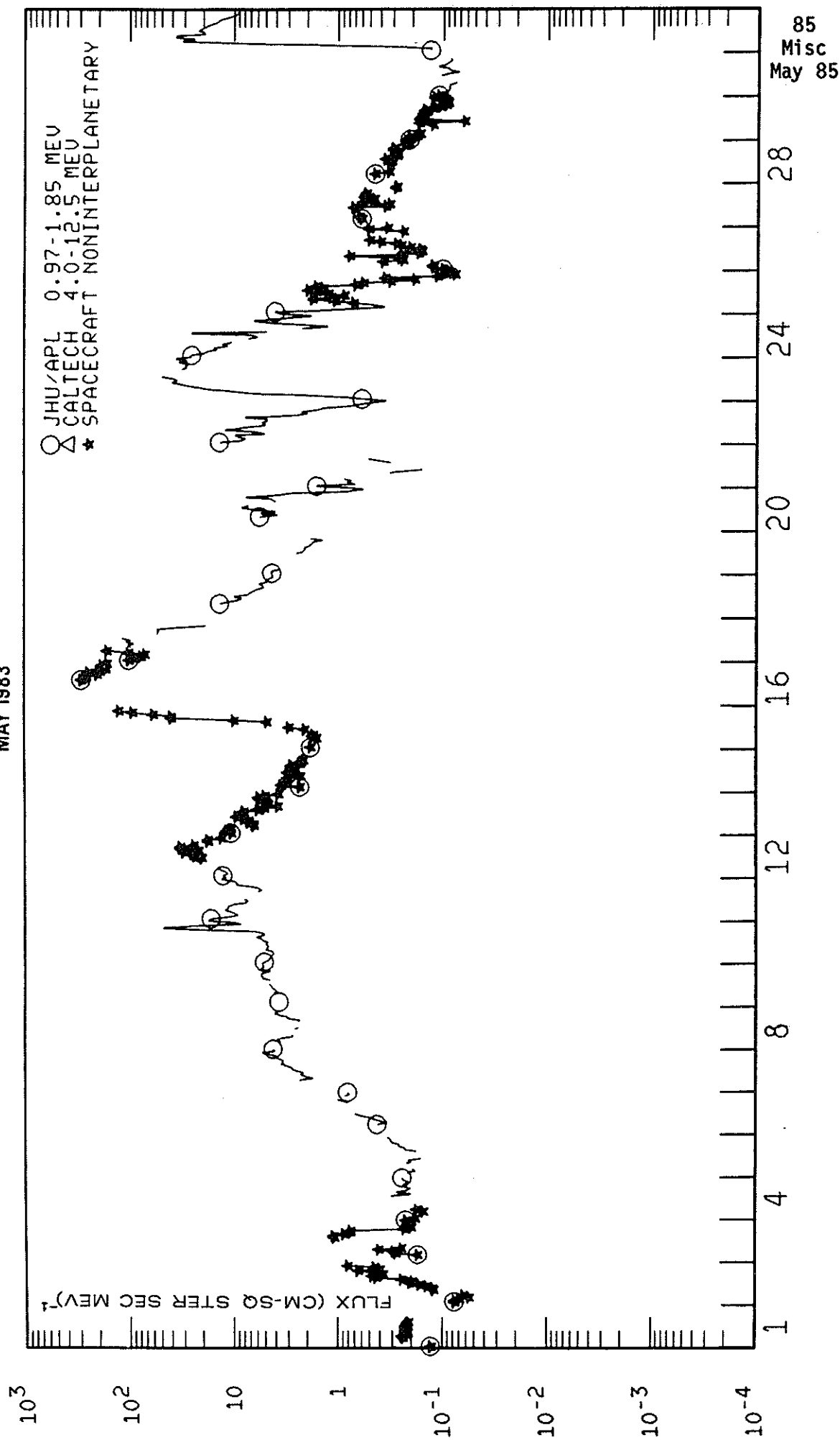


84
Misc
May 85

IMP 8 LOW ENERGY PROTONS
MAY 1983

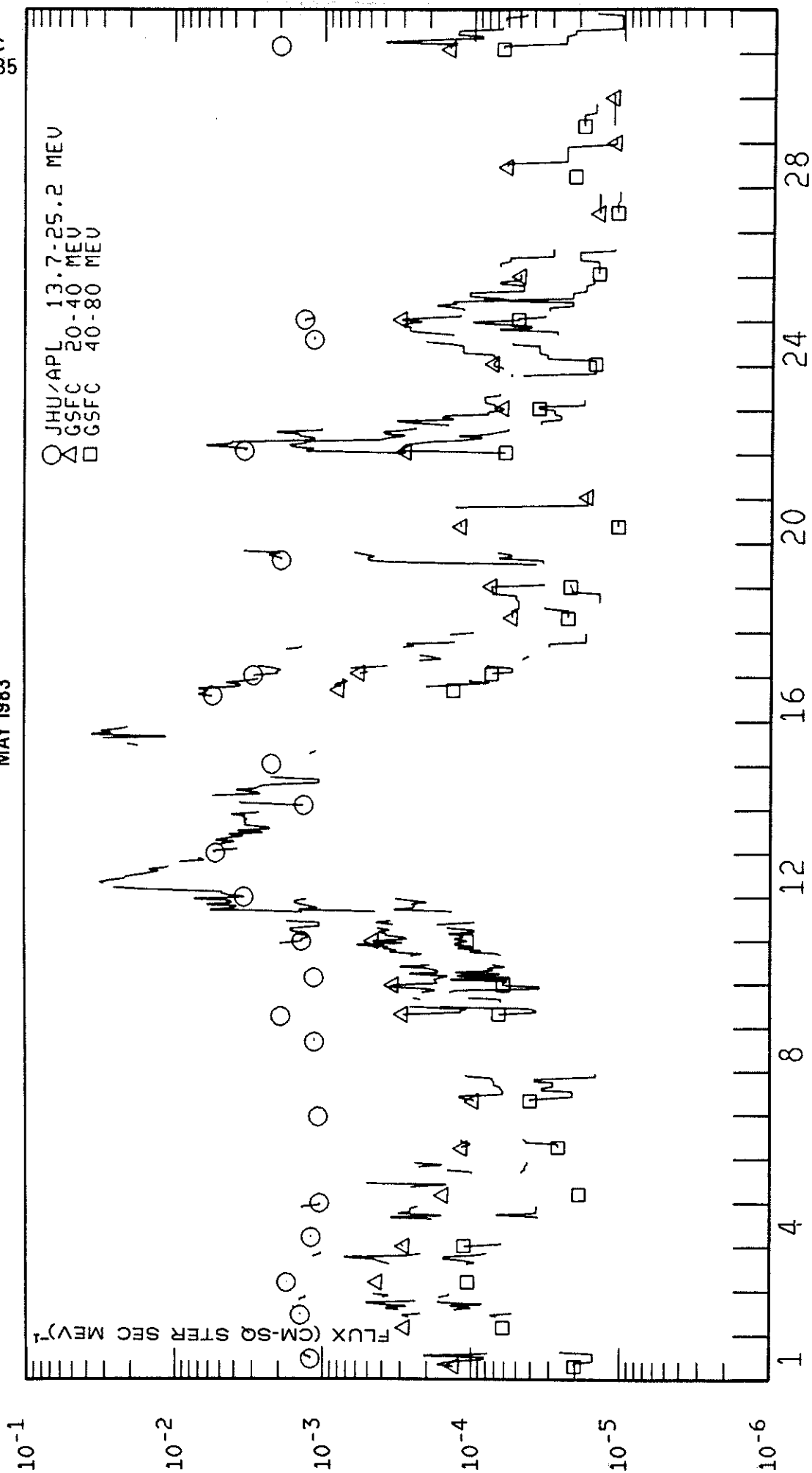


IMP 8 INTERMEDIATE ENERGY PROTONS MAY 1983

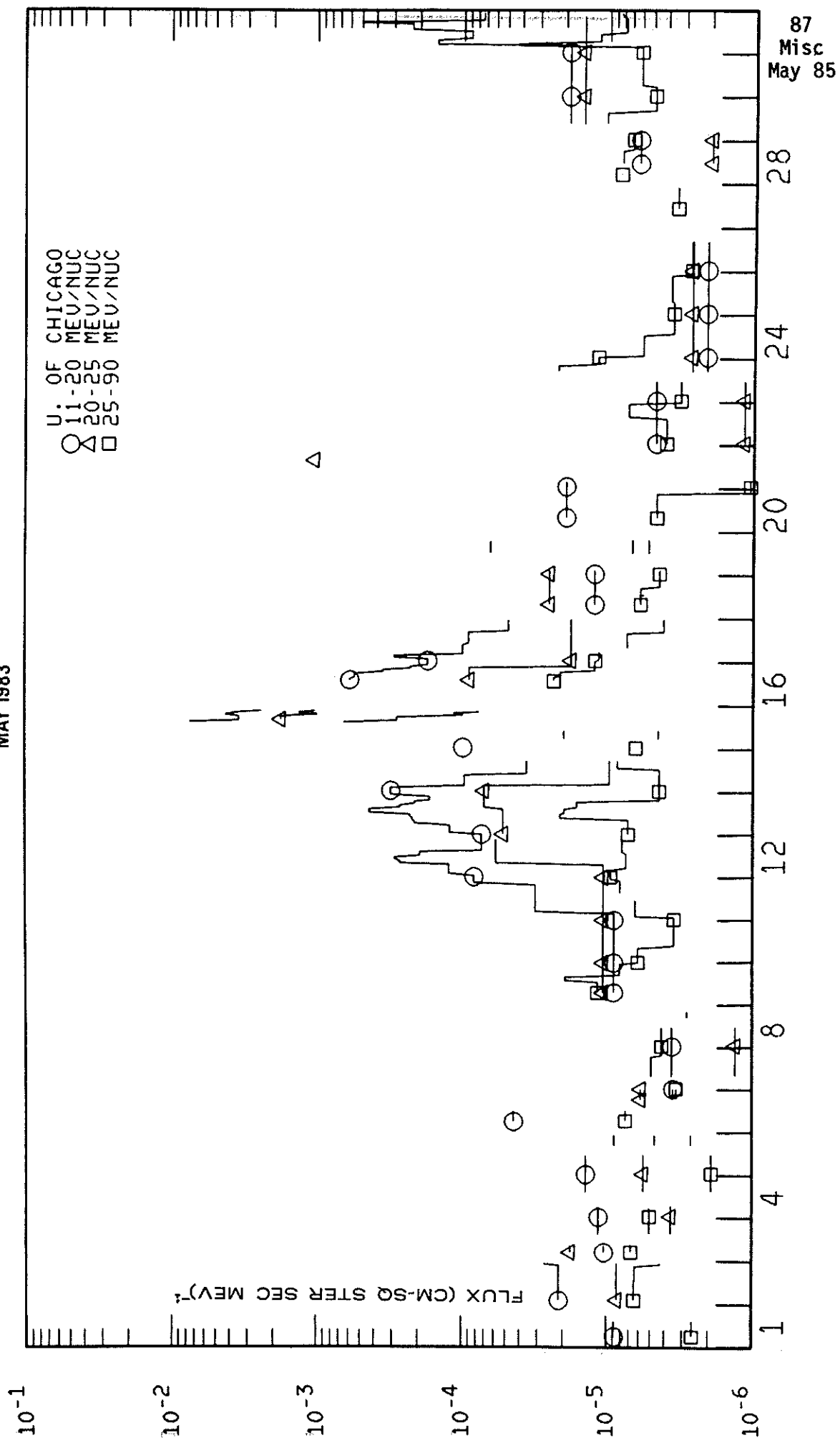


86
Misc
May 85

IMP 8 HIGH ENERGY PROTONS
MAY 1983

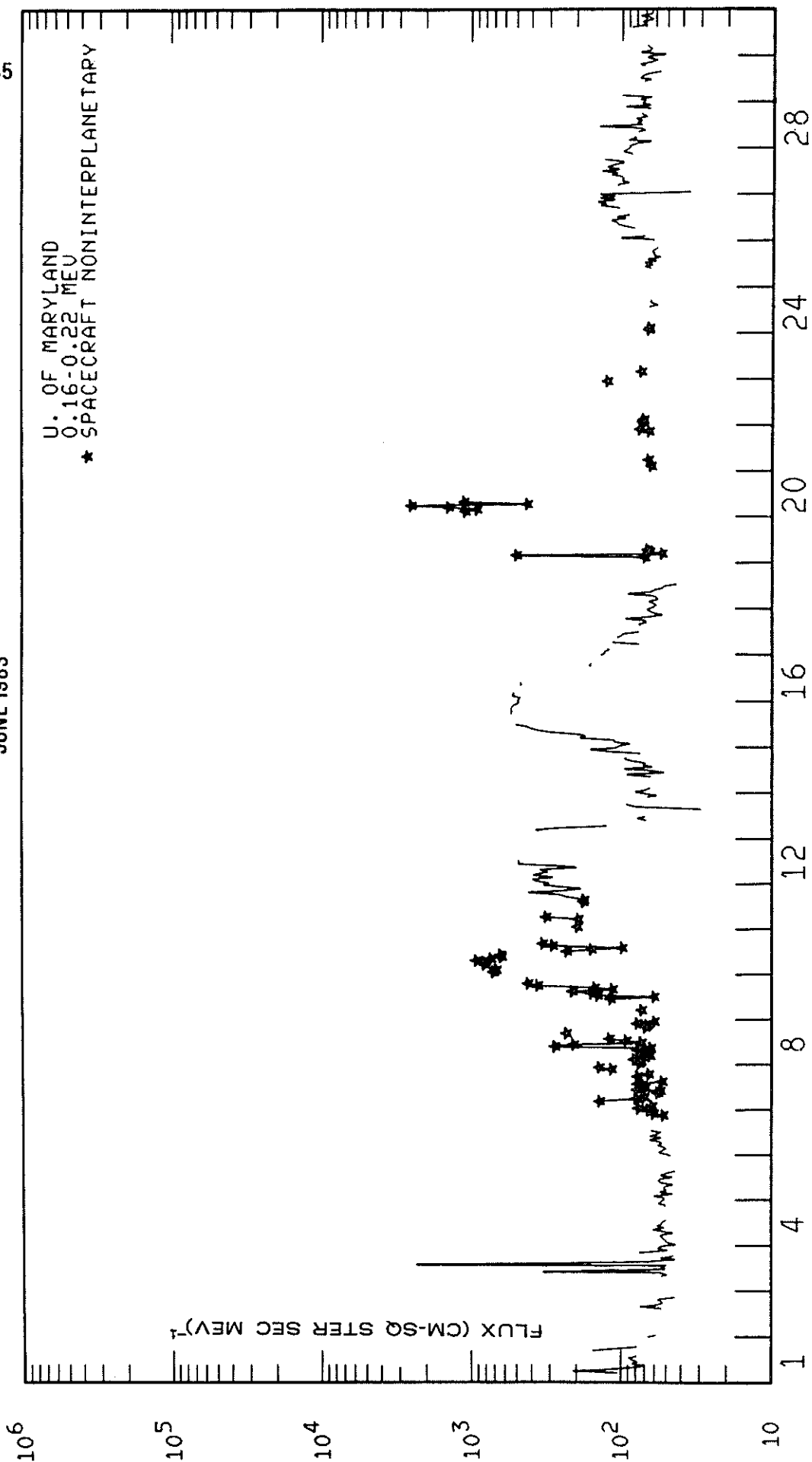


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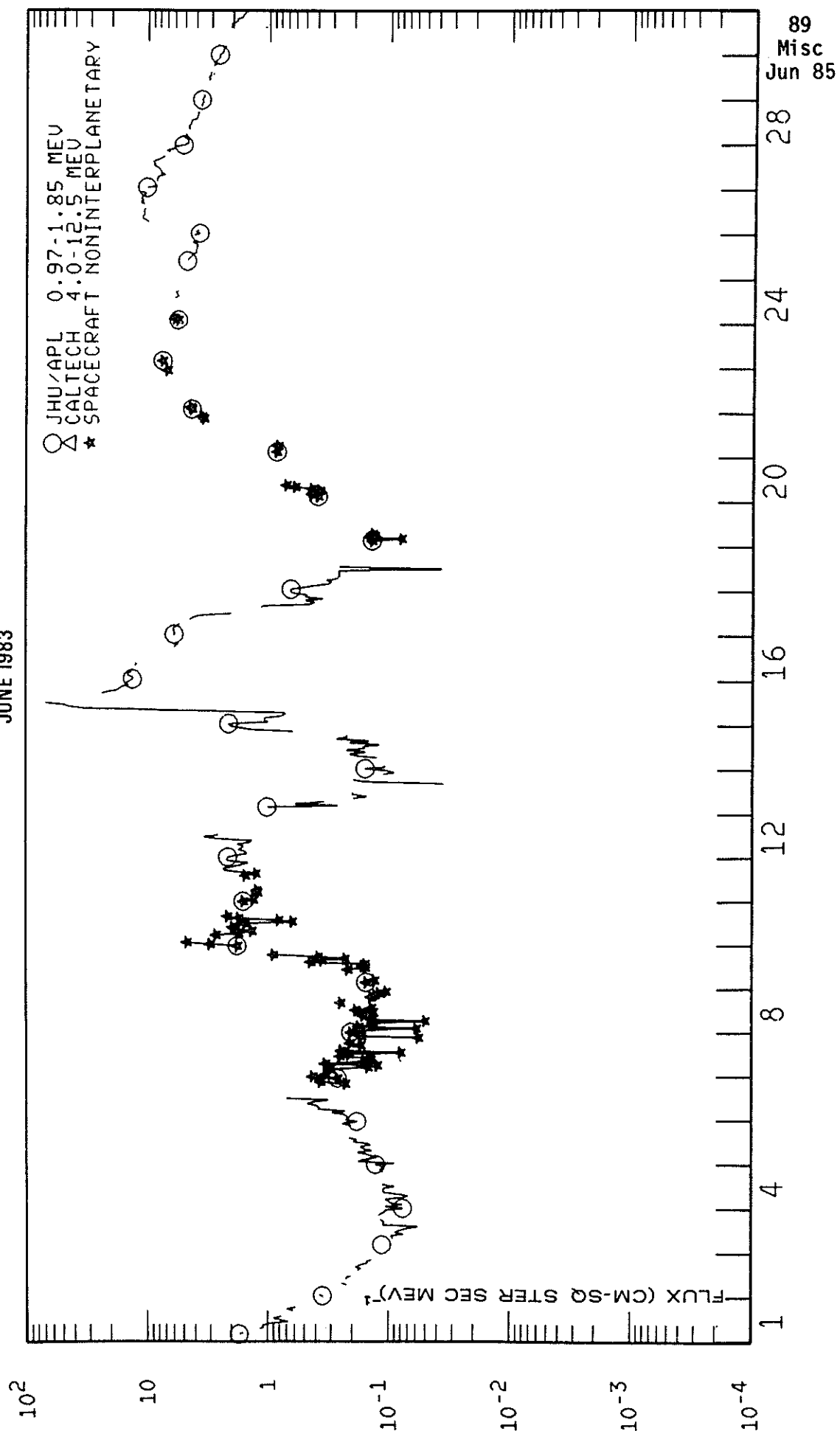
88
Misc
Jun 85

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JUNE 1983



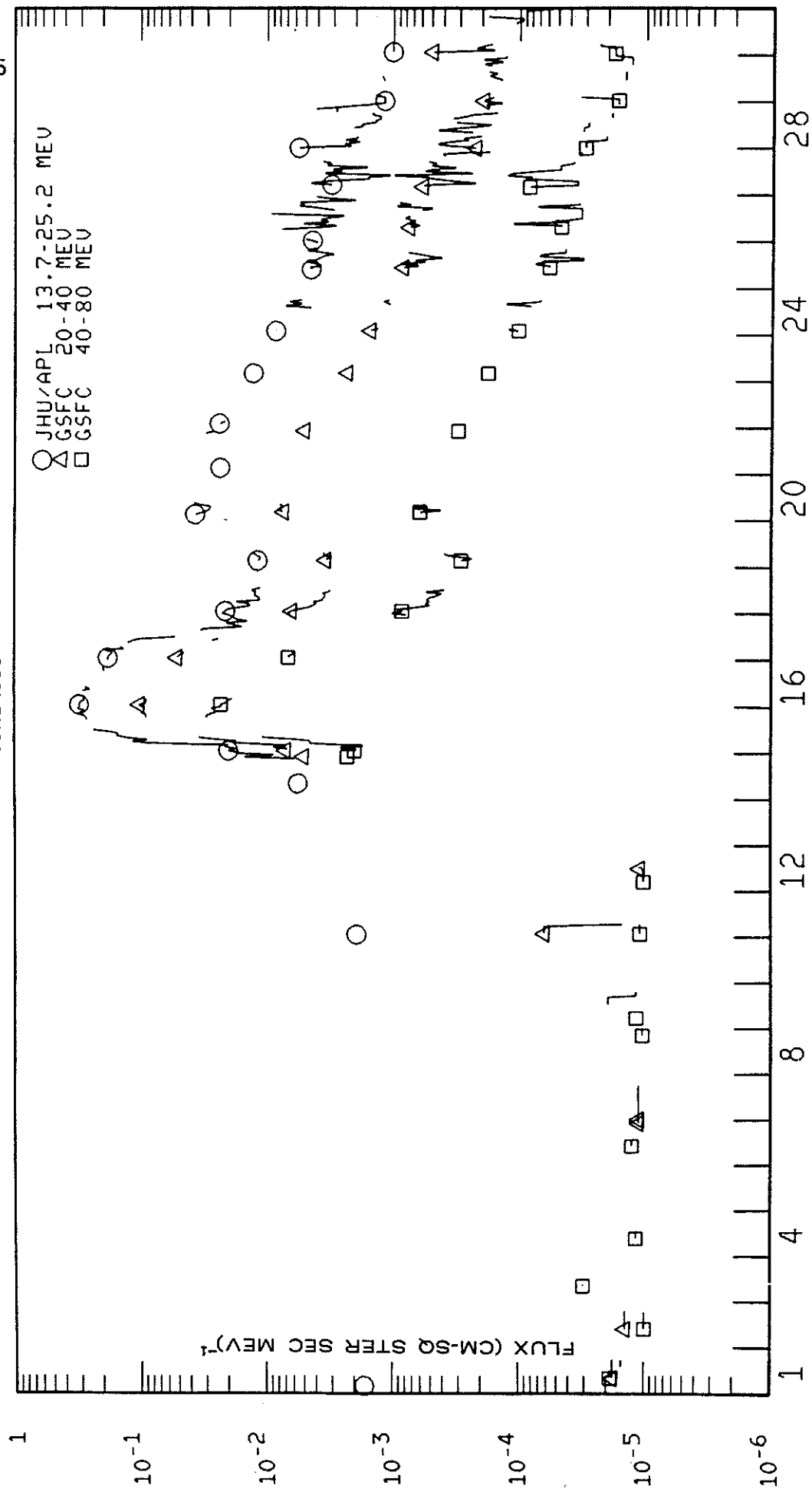
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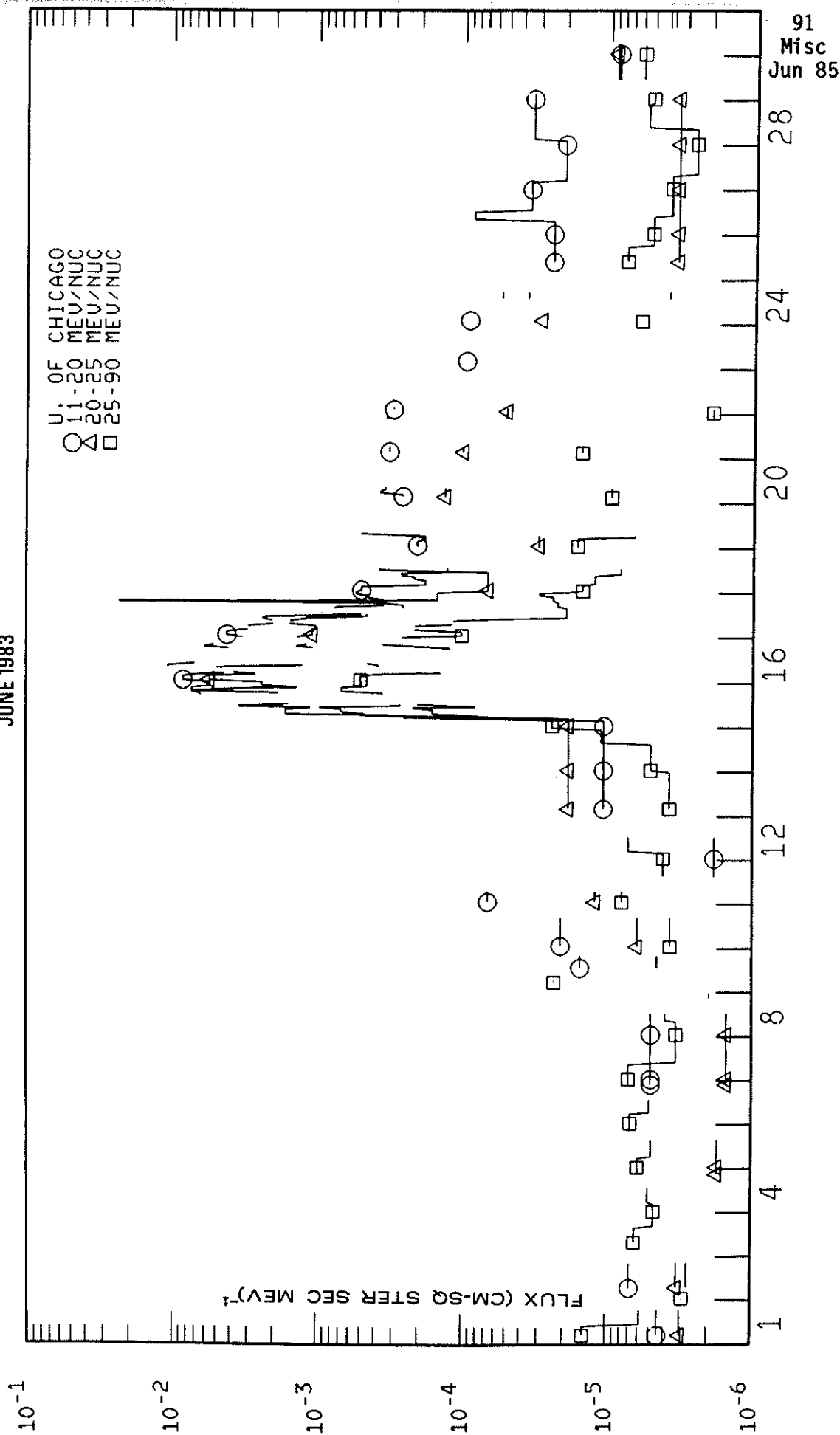


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Misc
Jun 85

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JUNE 1983



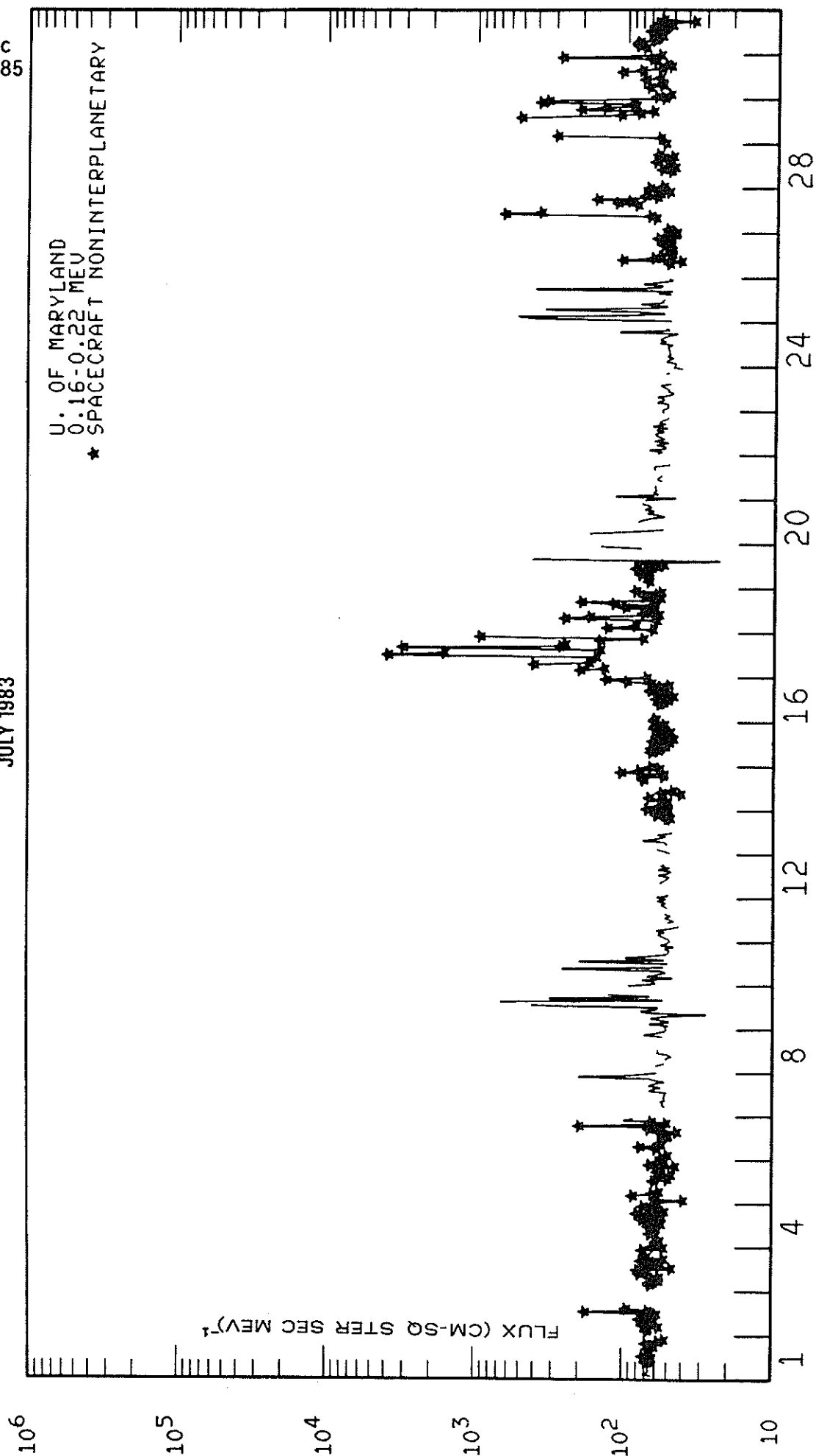
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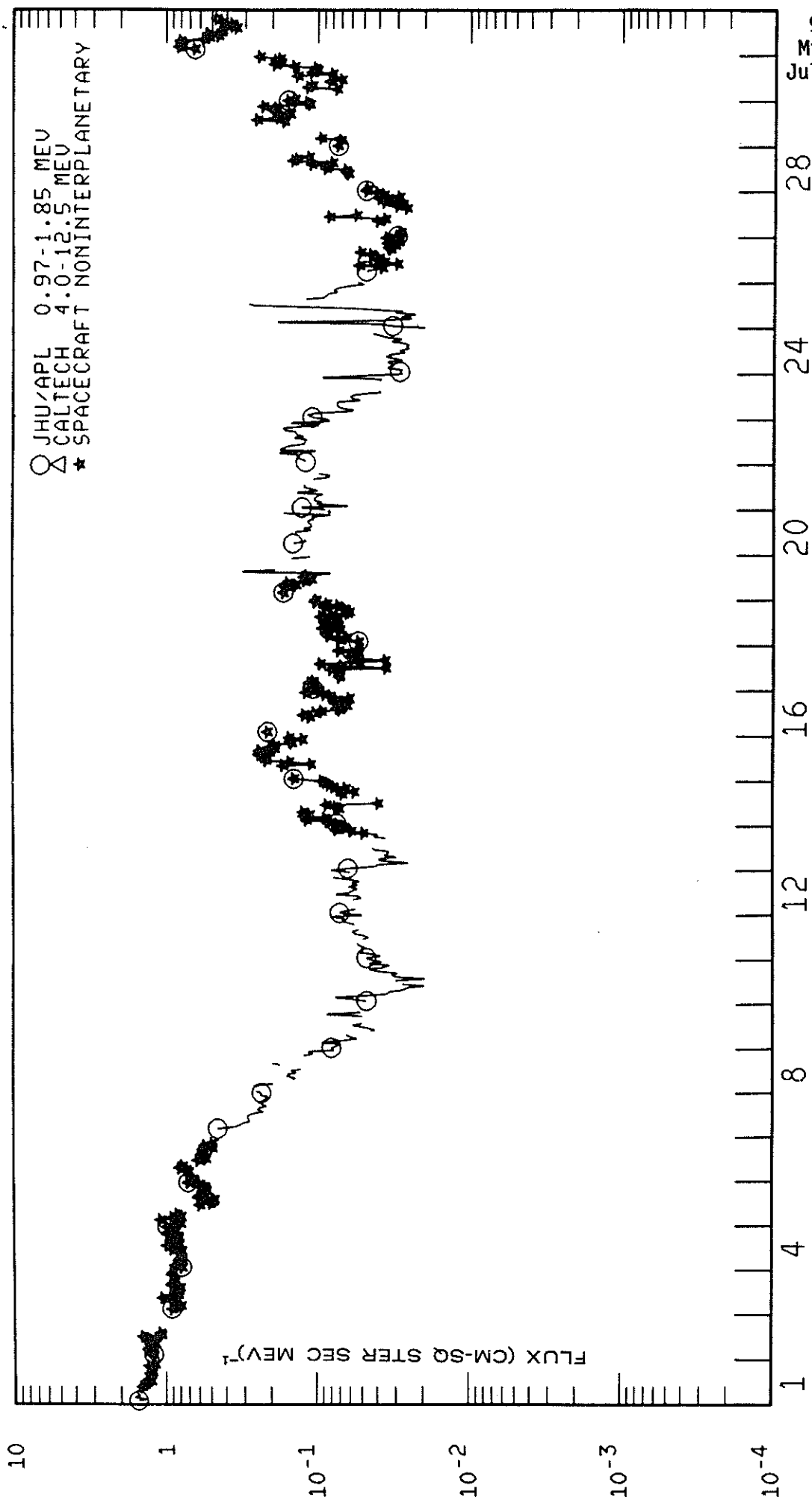
91
Misc
Jun 85

92
Misc
Jul 85

IMP 8 LOW ENERGY PROTONS
JULY 1983



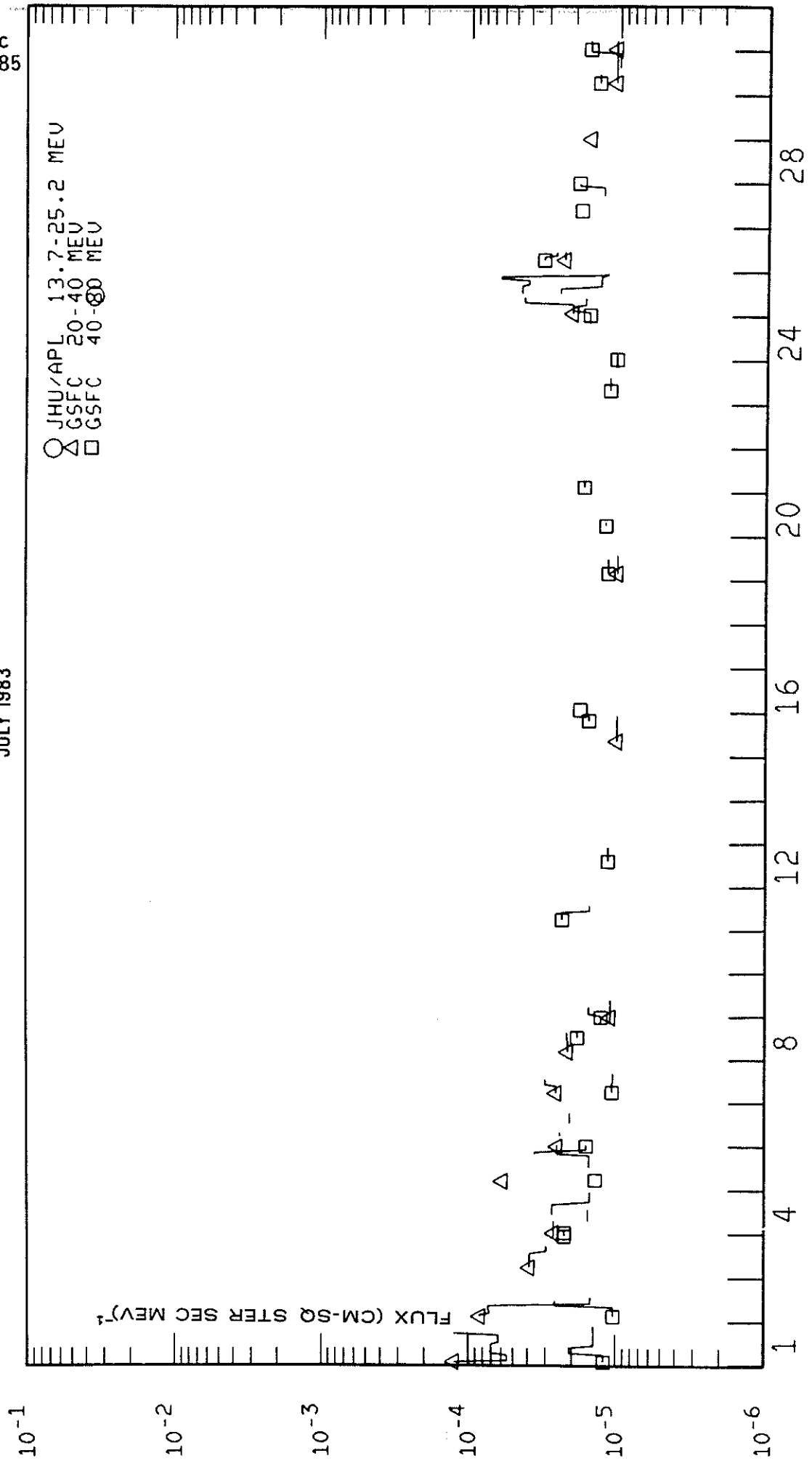
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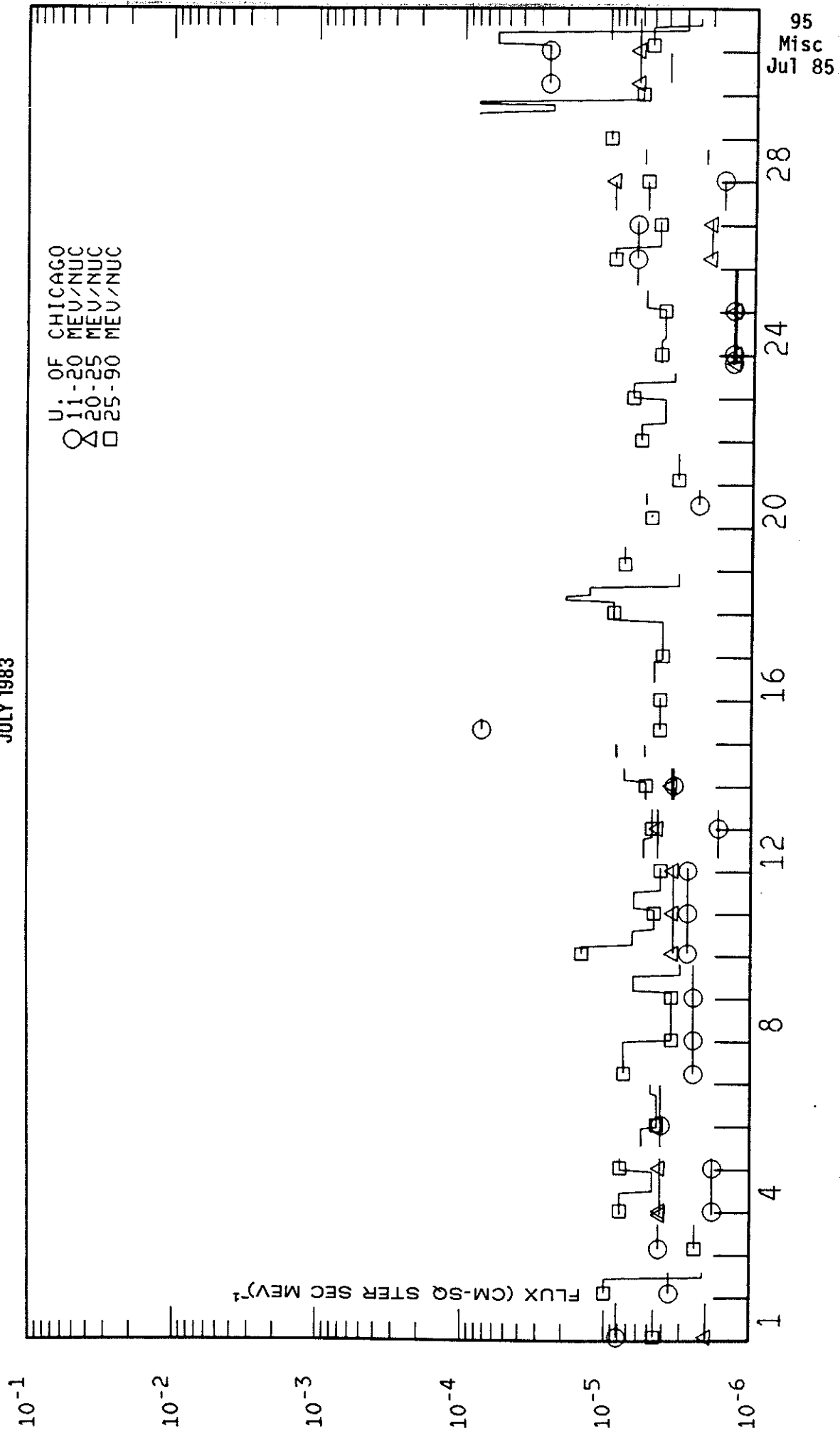
93
Misc
Jul 85

94
Misc
Jul 85

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JULY 1983

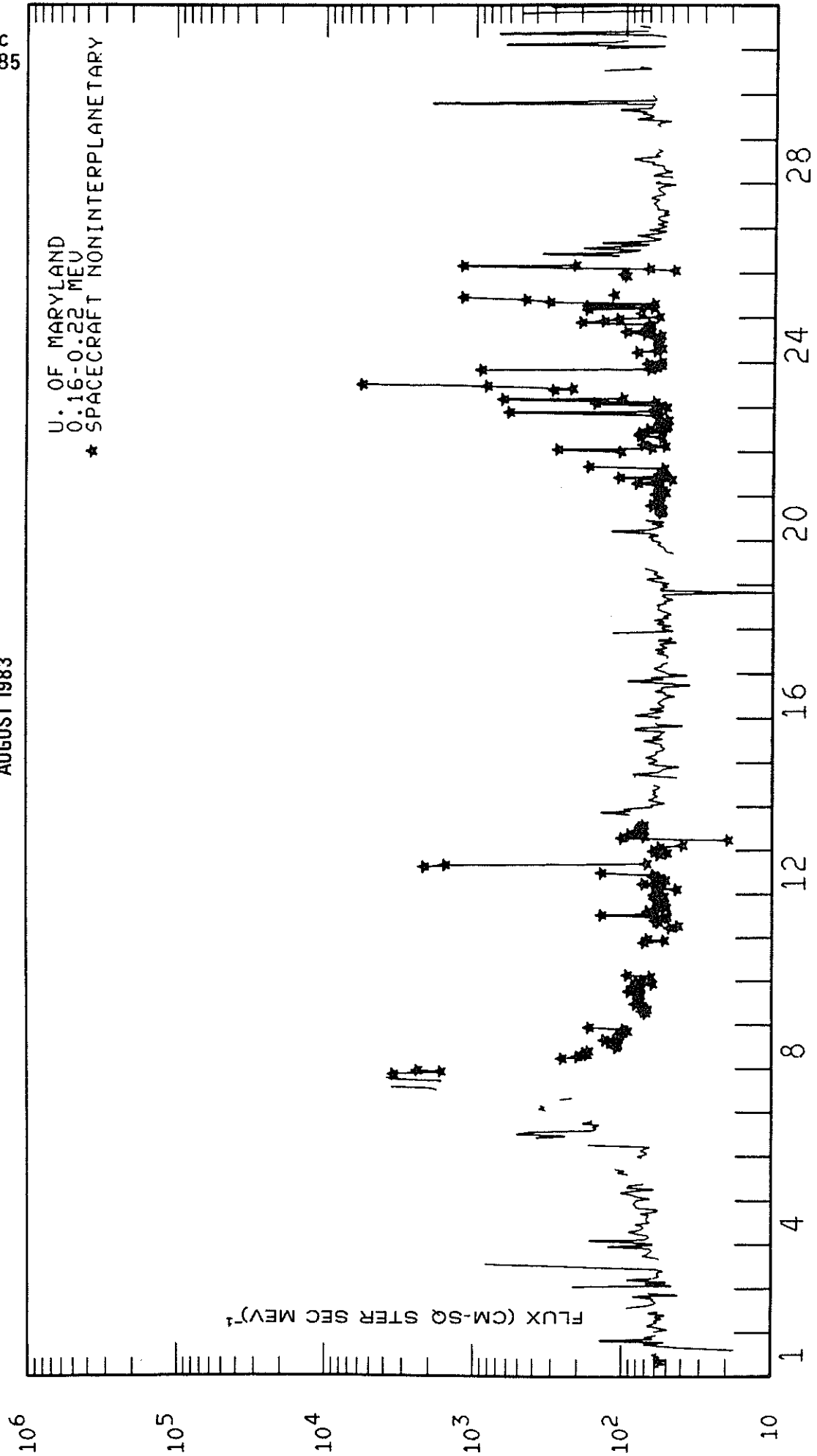


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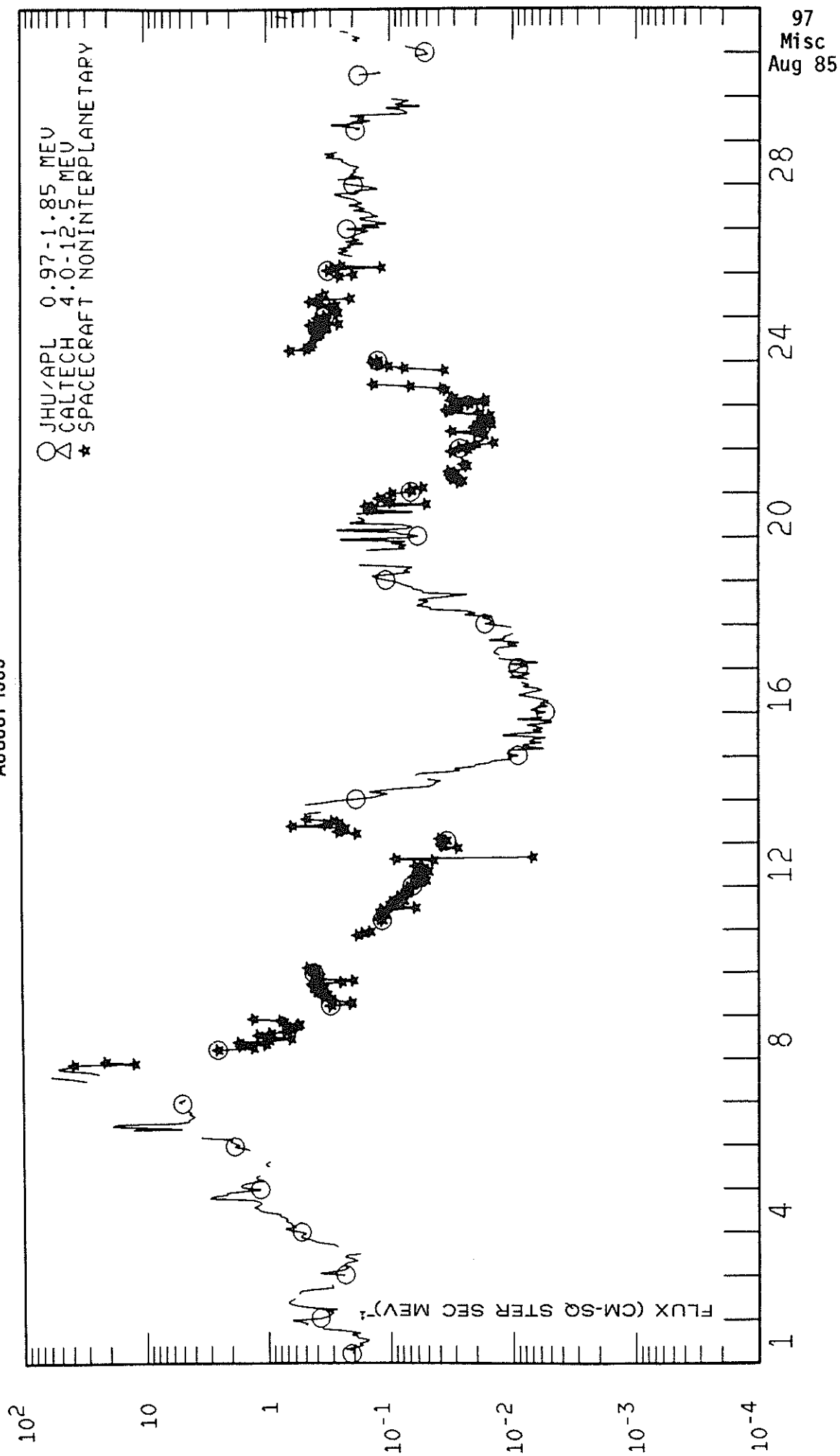


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Misc
Aug 85

IMP 8 LOW ENERGY PROTONS
AUGUST 1983

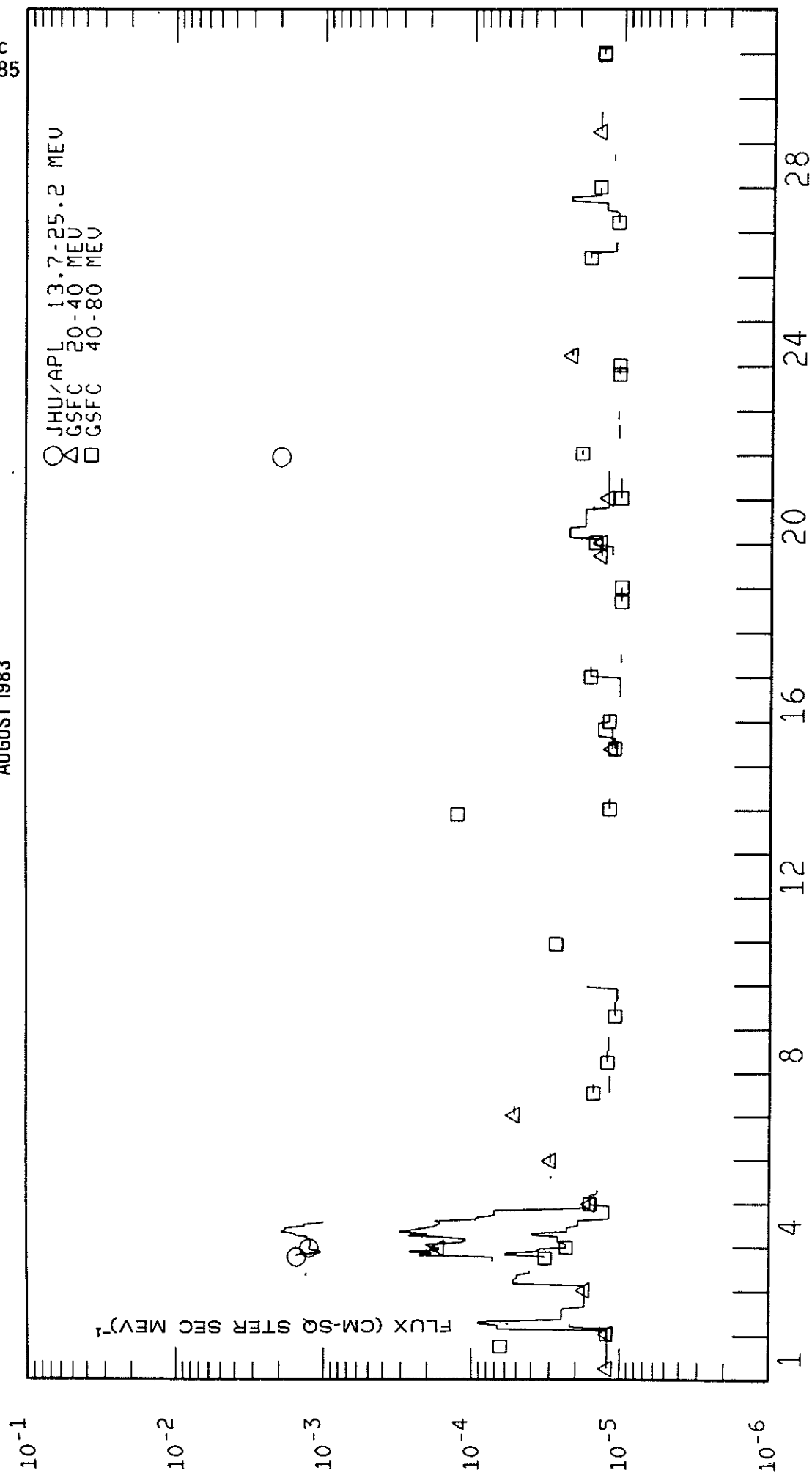


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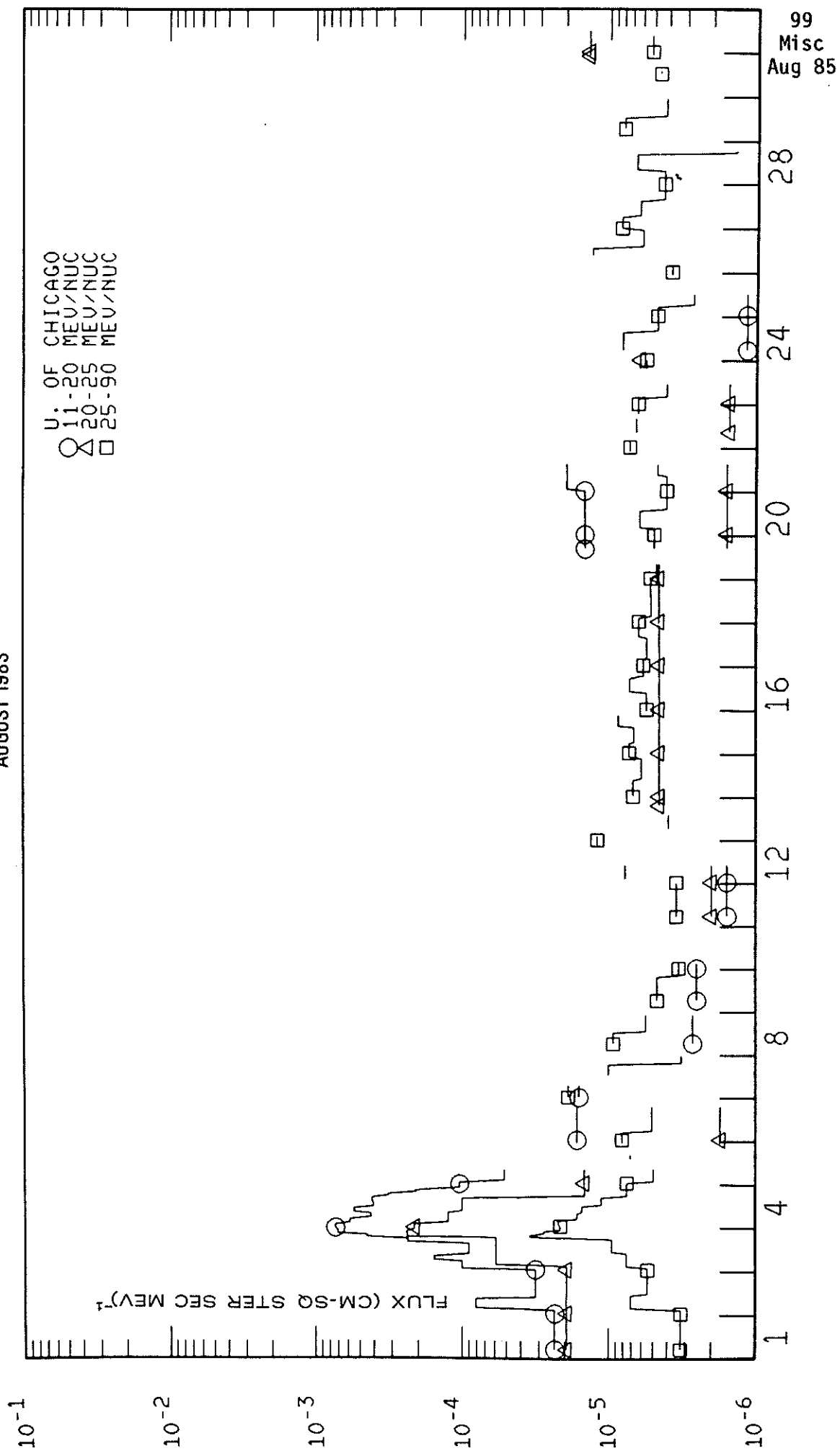


98
Misc
Aug 85

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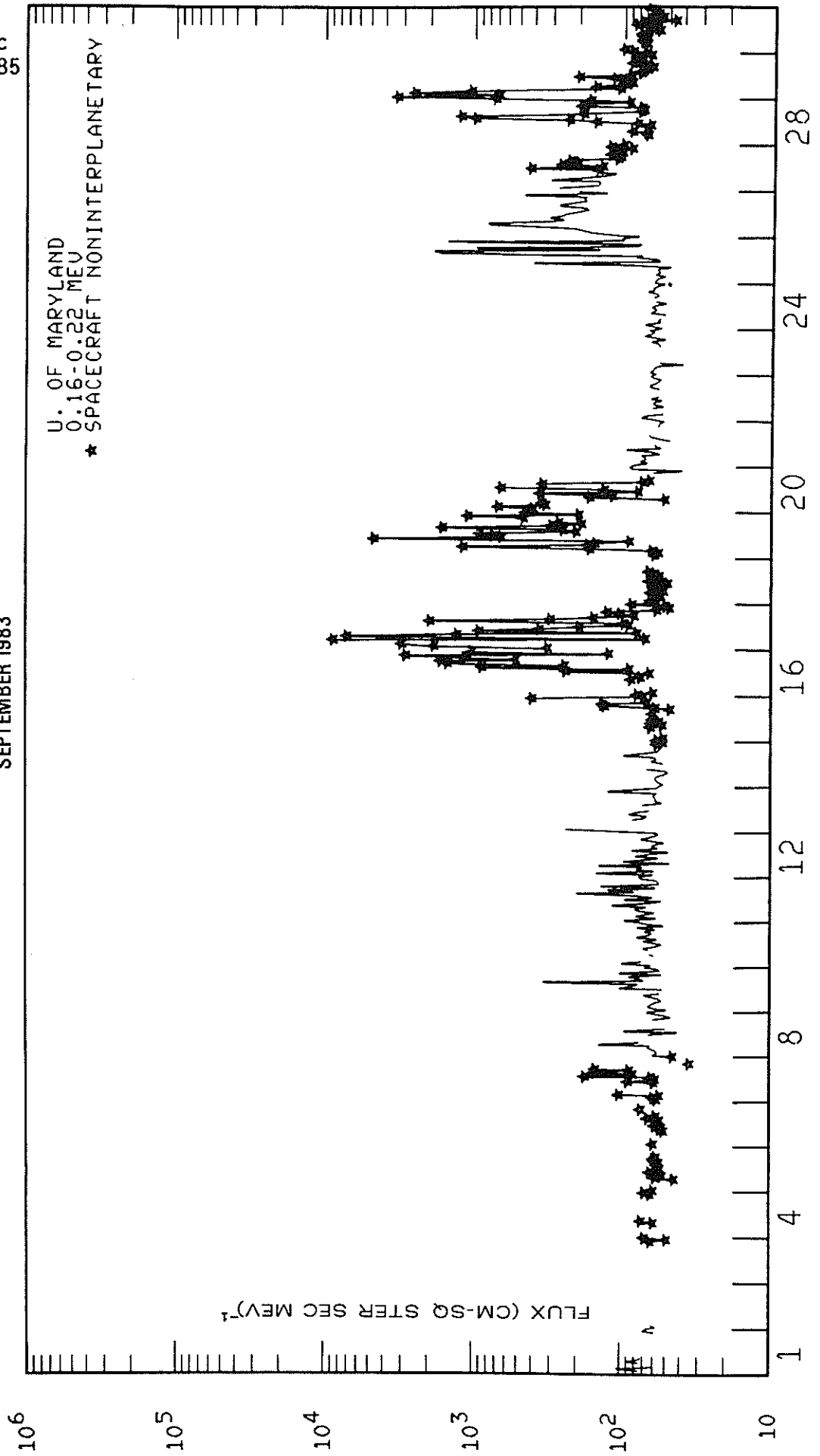


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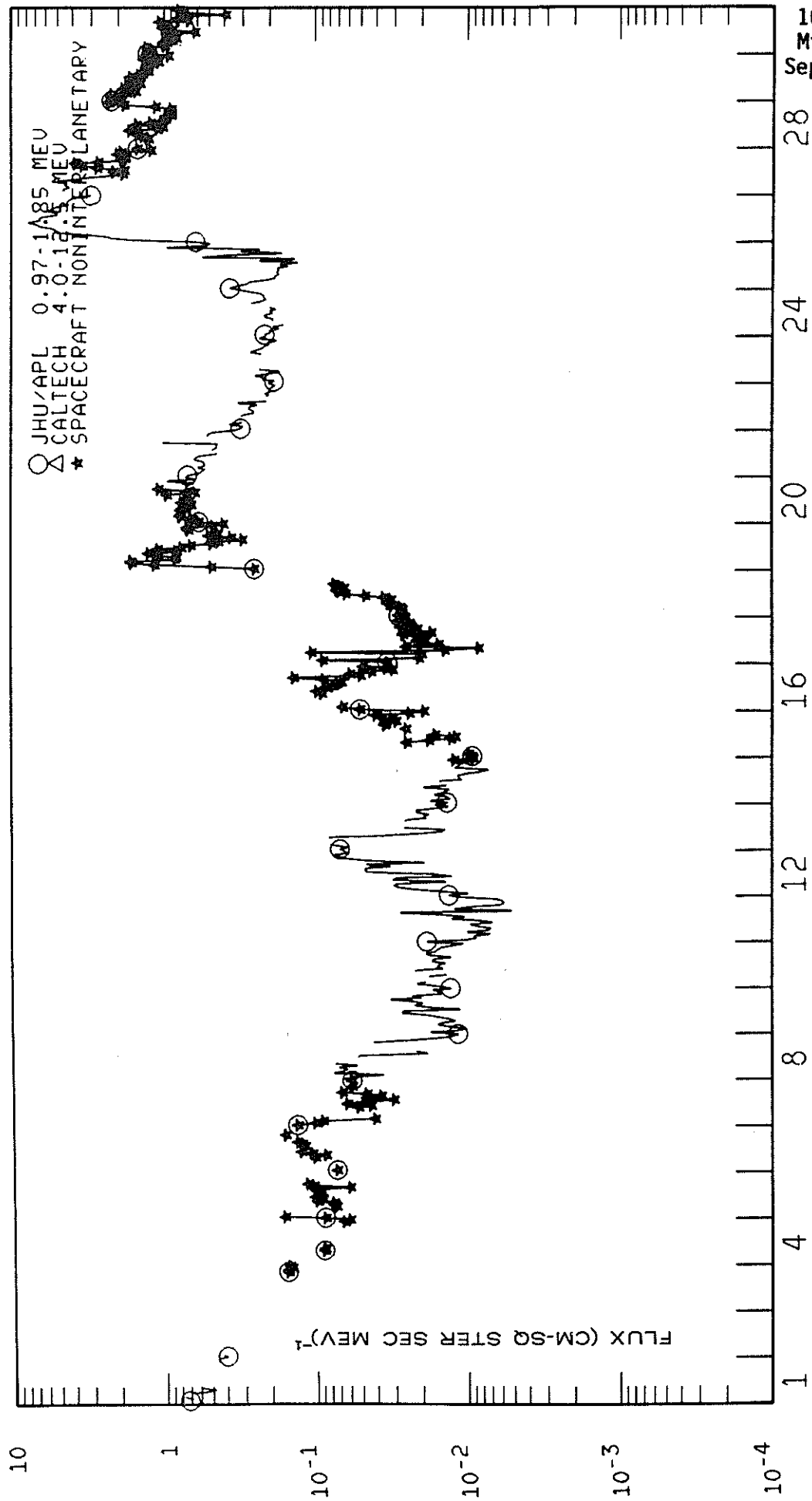


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Misc
Sep 85

IMP 8 LOW ENERGY PROTONS
SEPTEMBER 1983



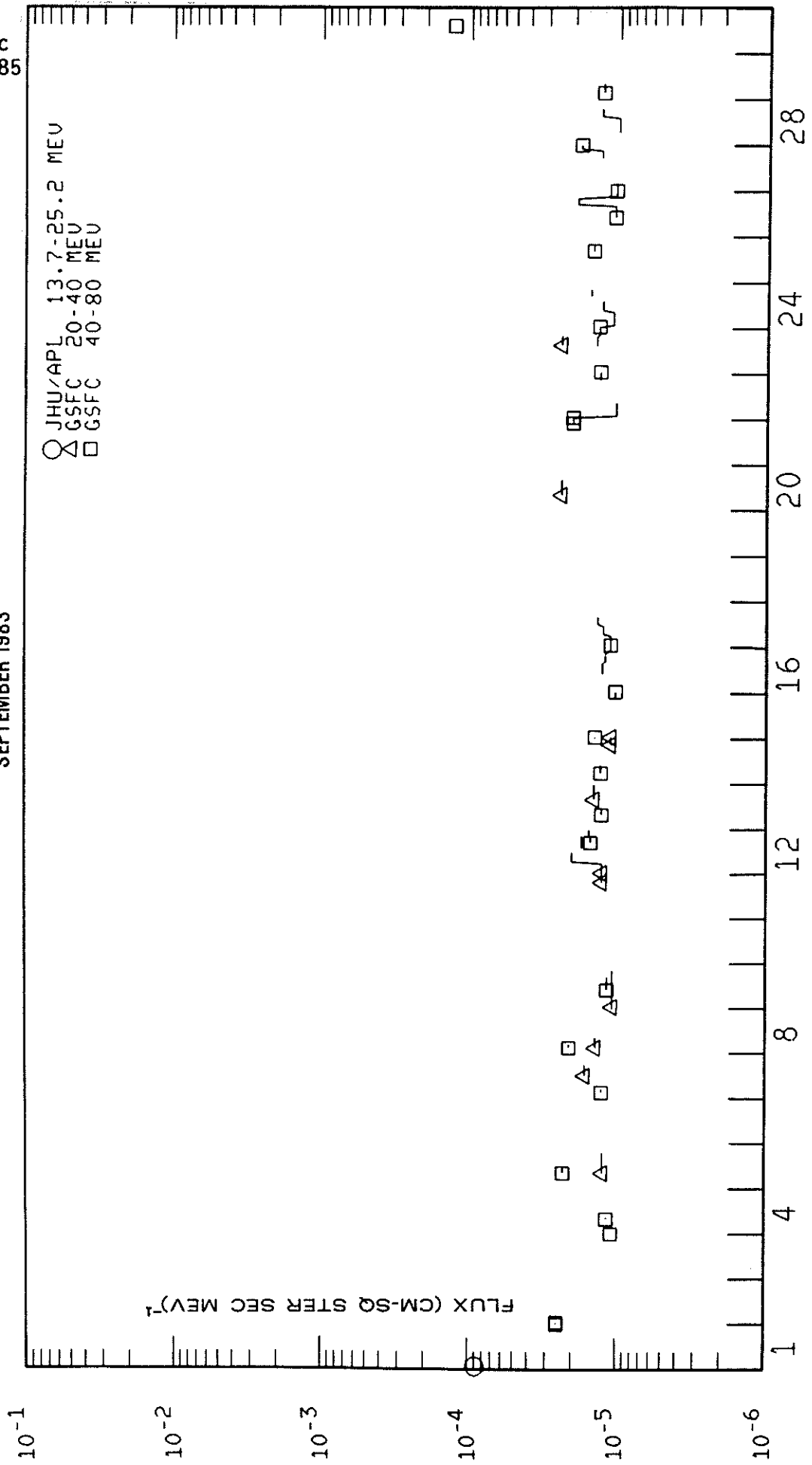
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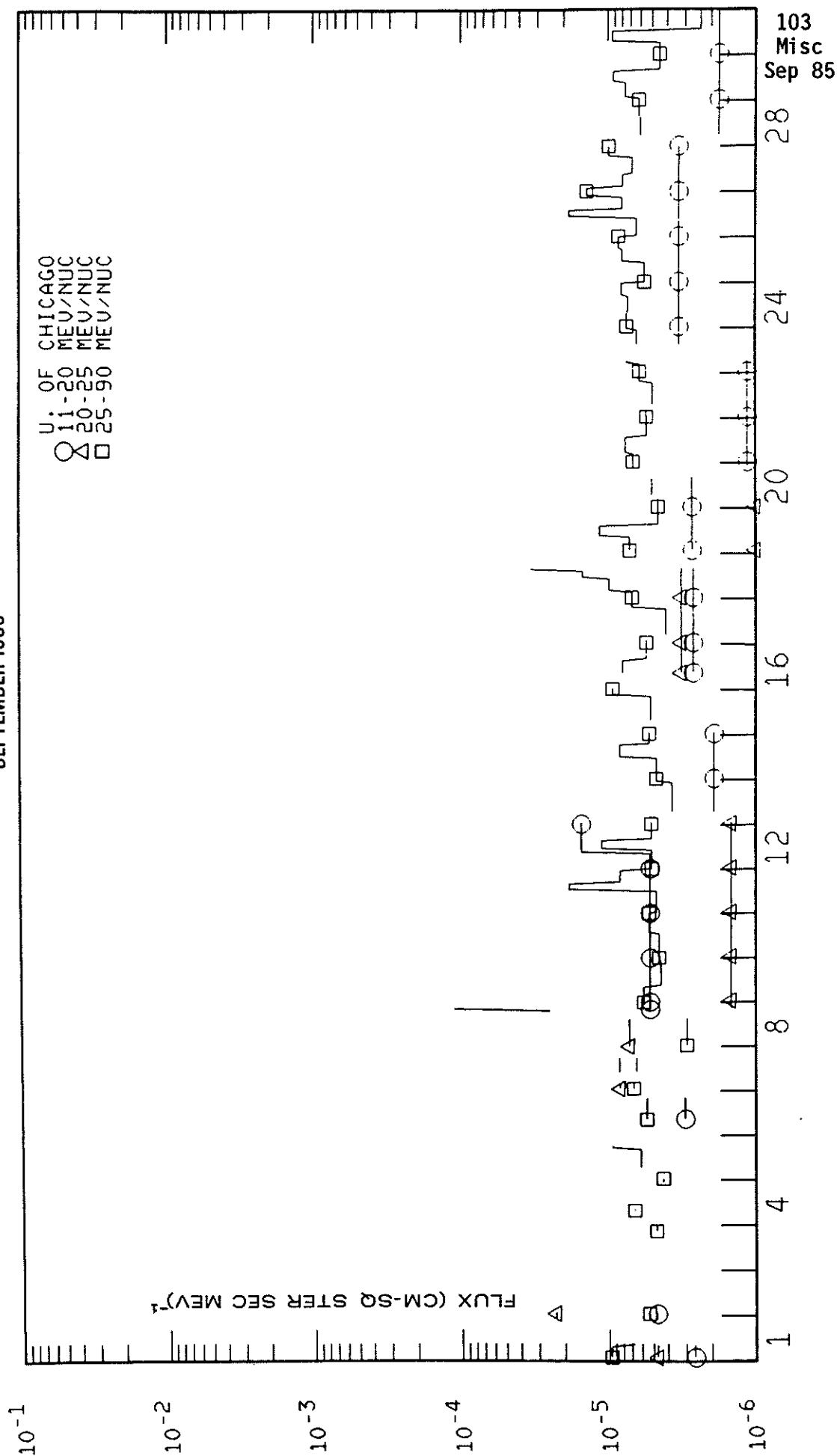
101
Misc
Sep 85

102
Misc
Sep 85

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SEPTEMBER 1983

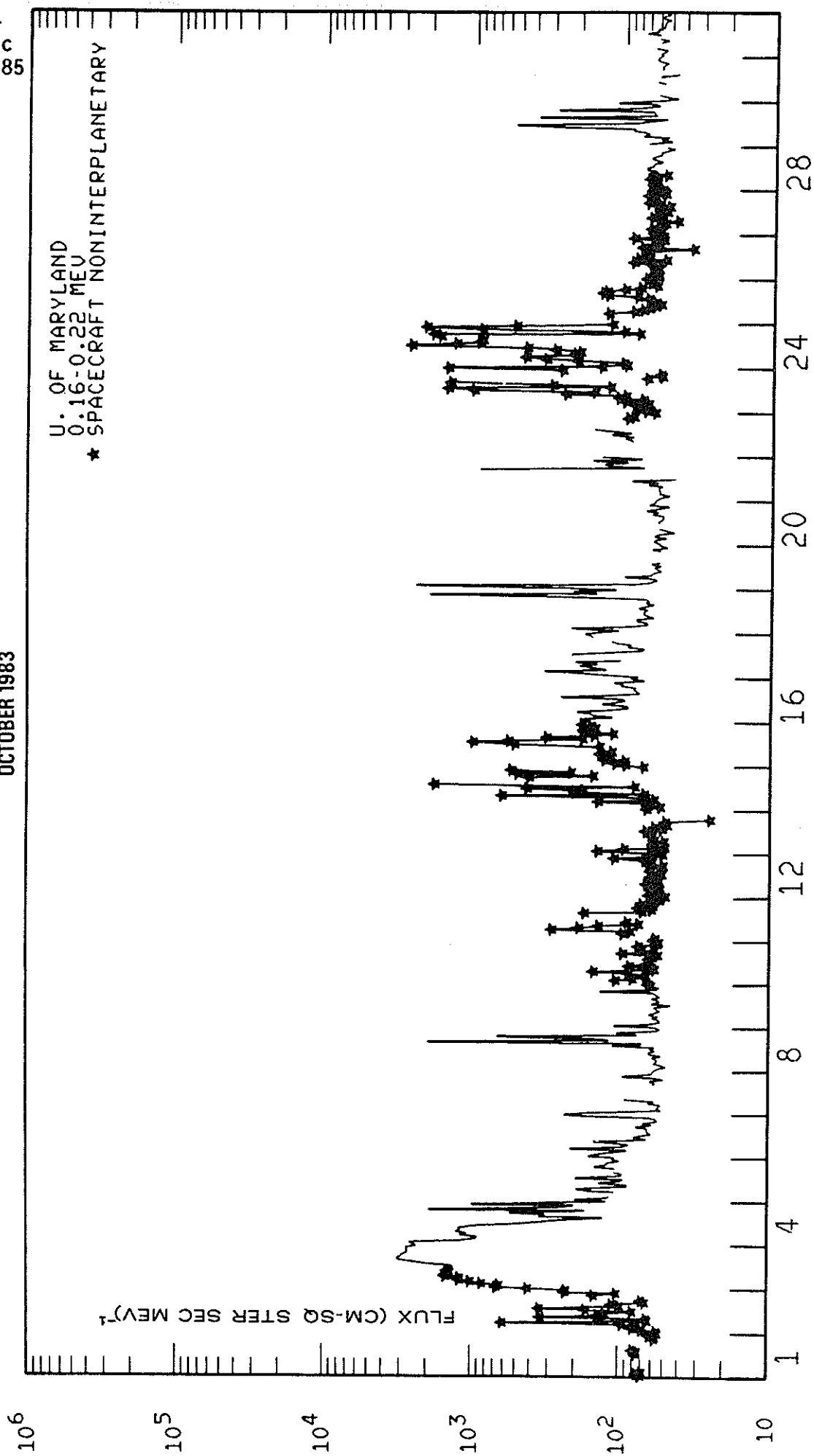


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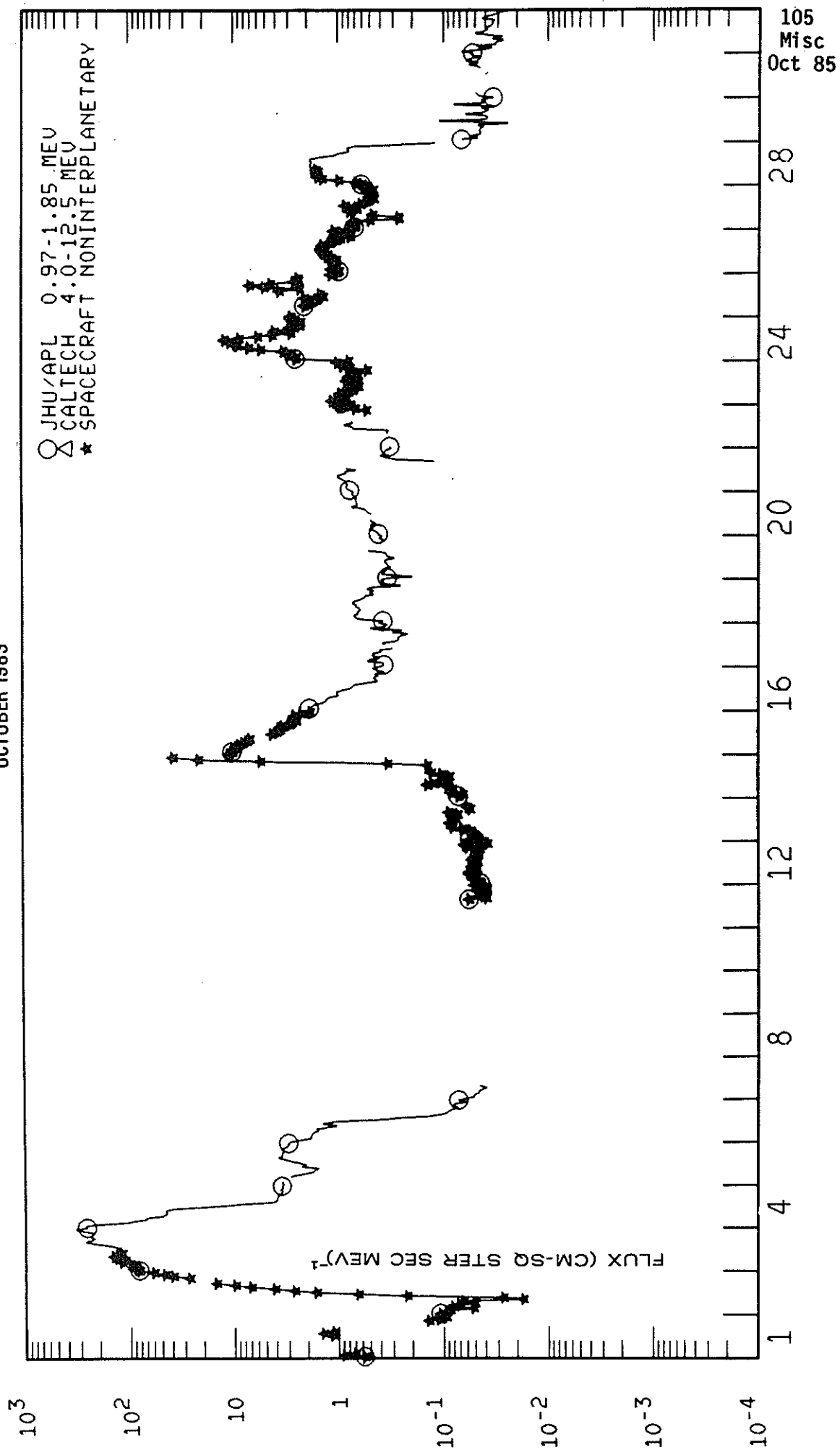


104
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IMP 8 LOW ENERGY PROTONS
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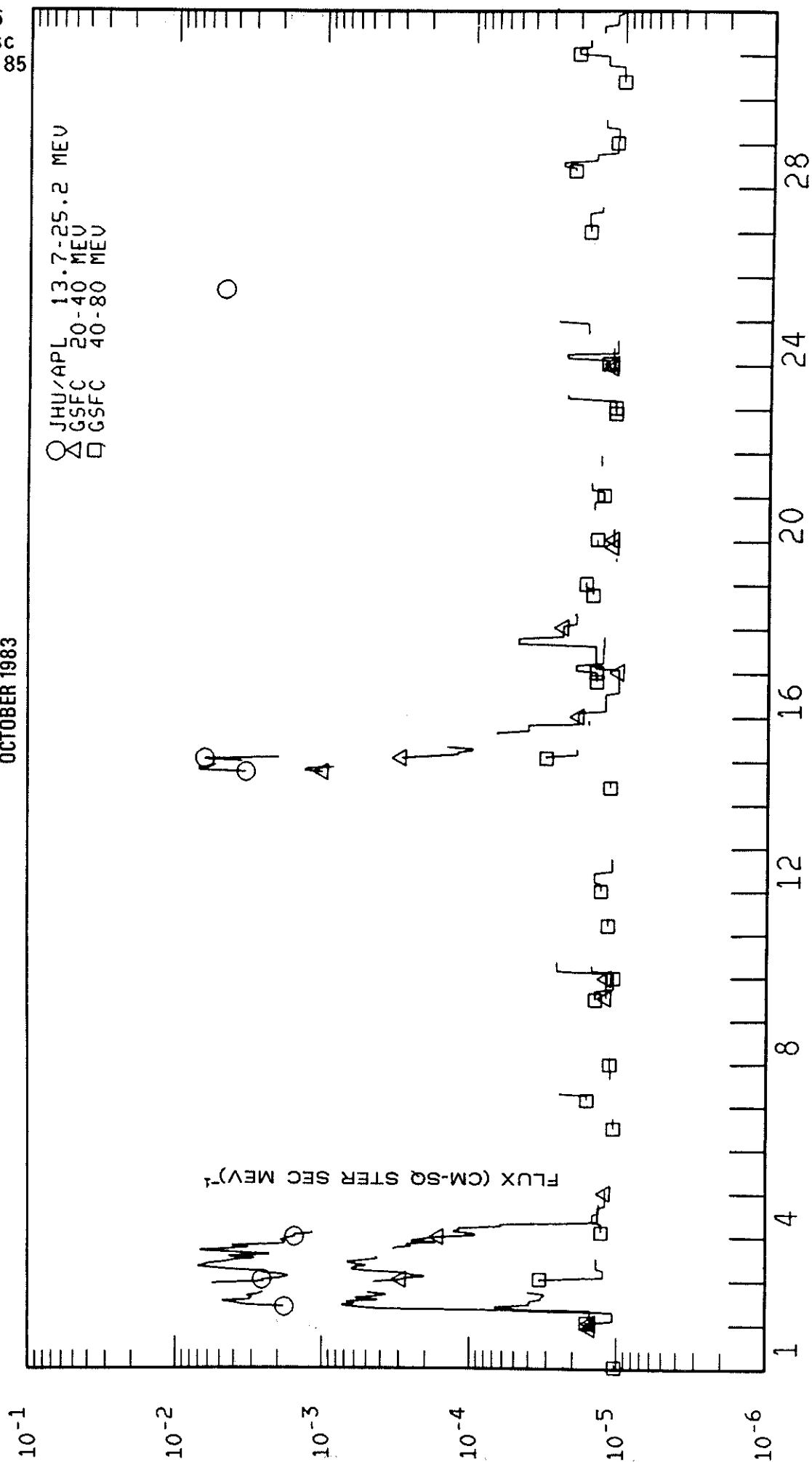


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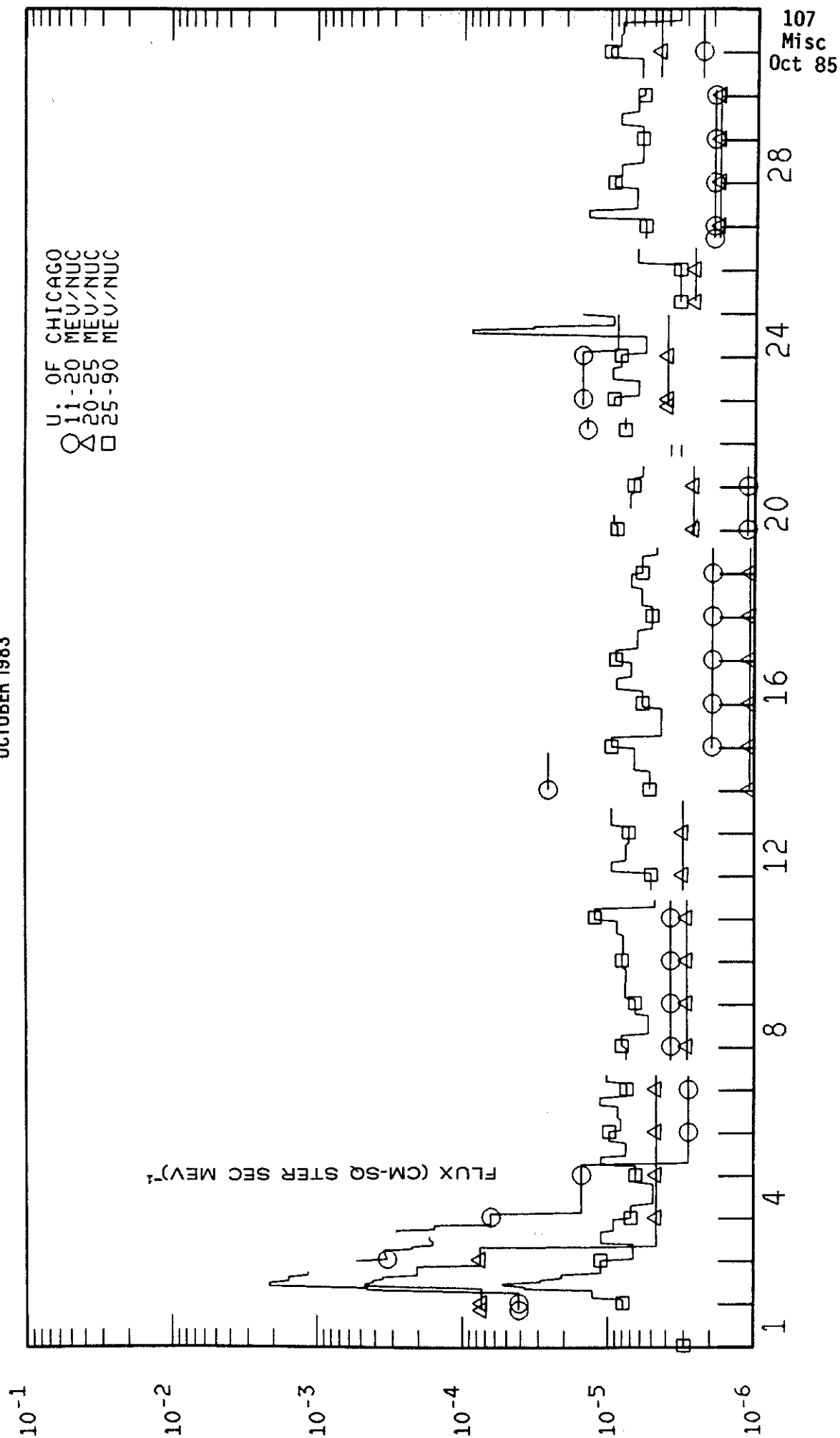


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Misc
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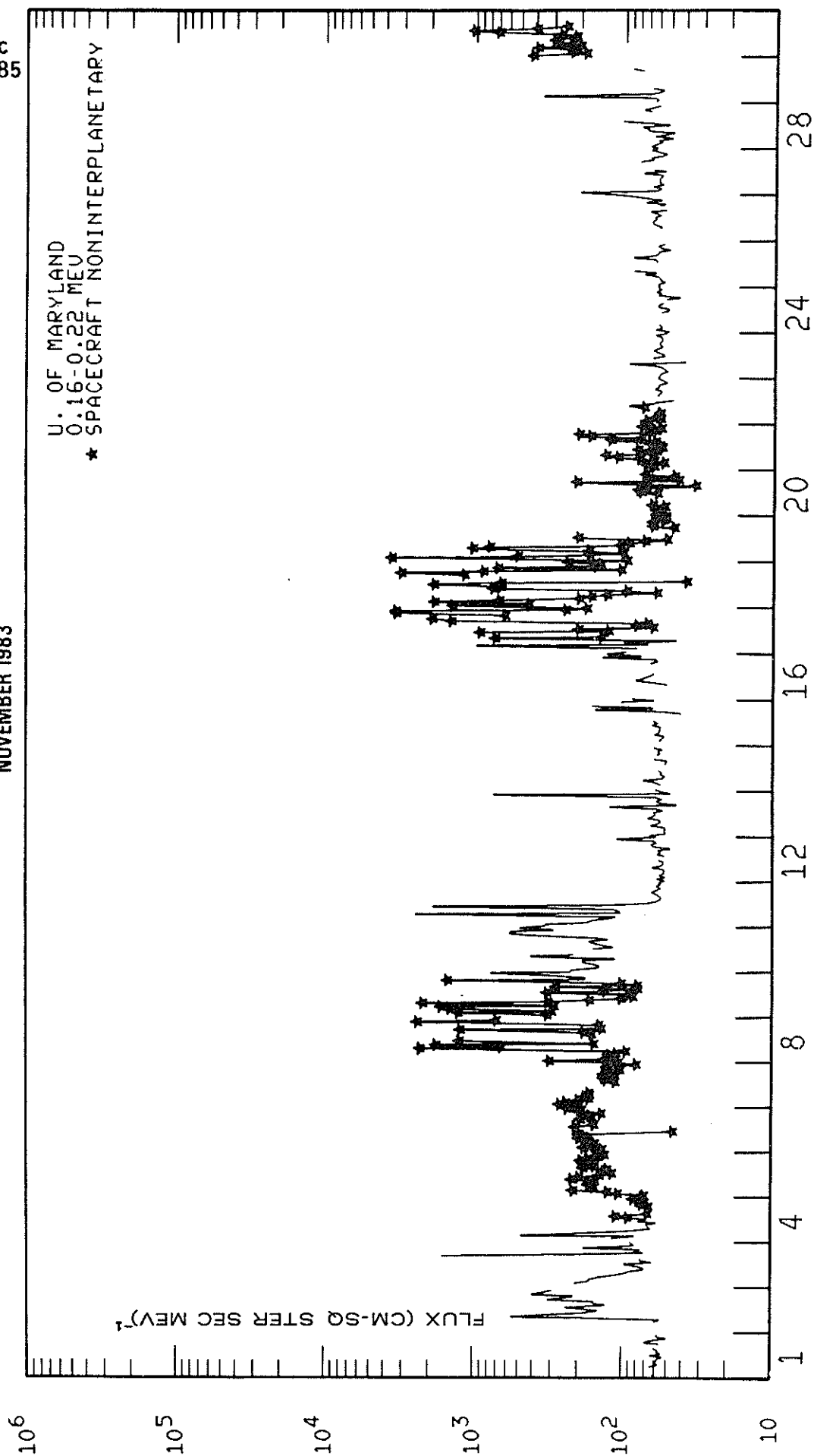


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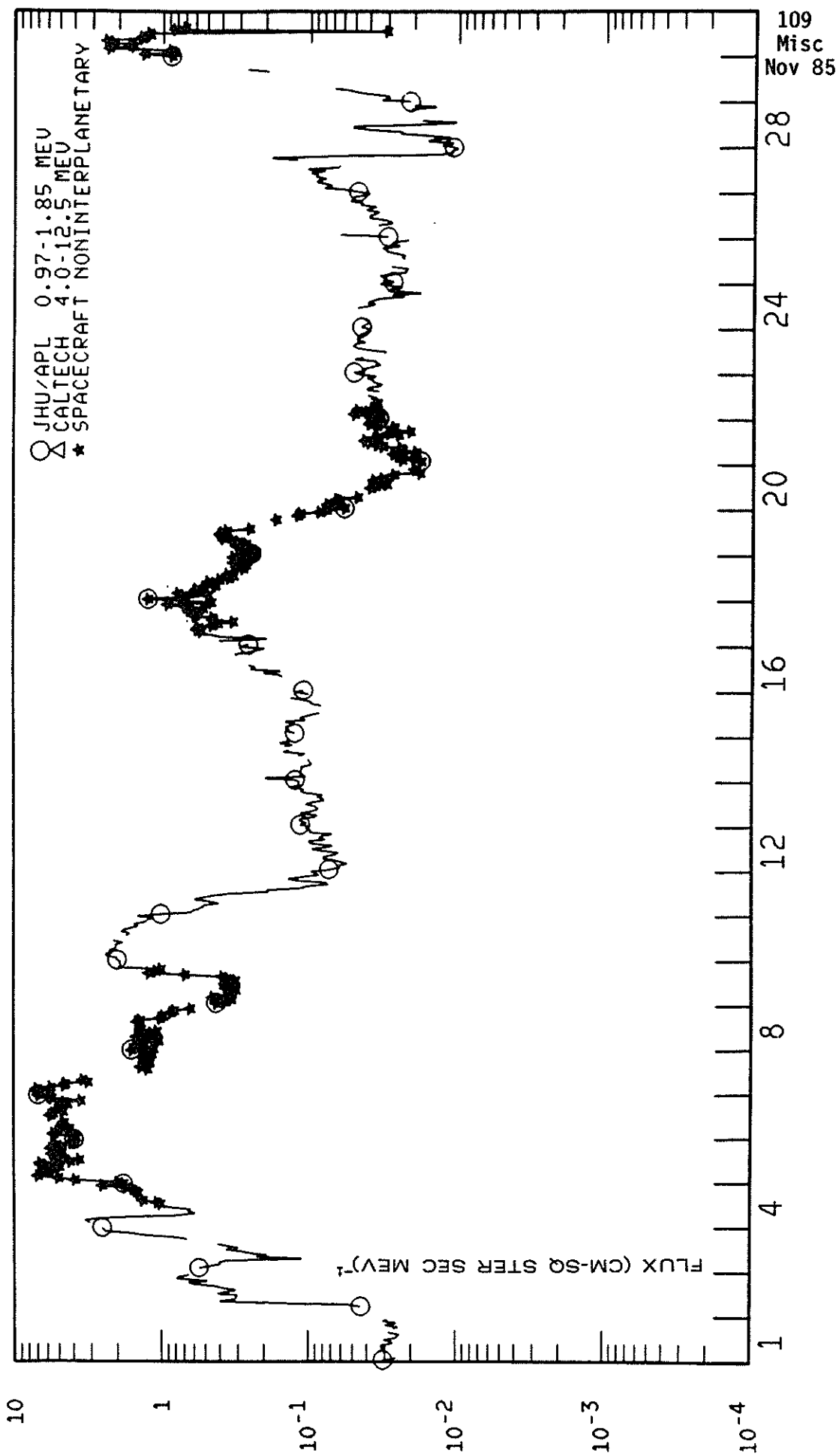


108
Misc
Nov 85

IMP 8 LOW ENERGY PROTONS
NOVEMBER 1983

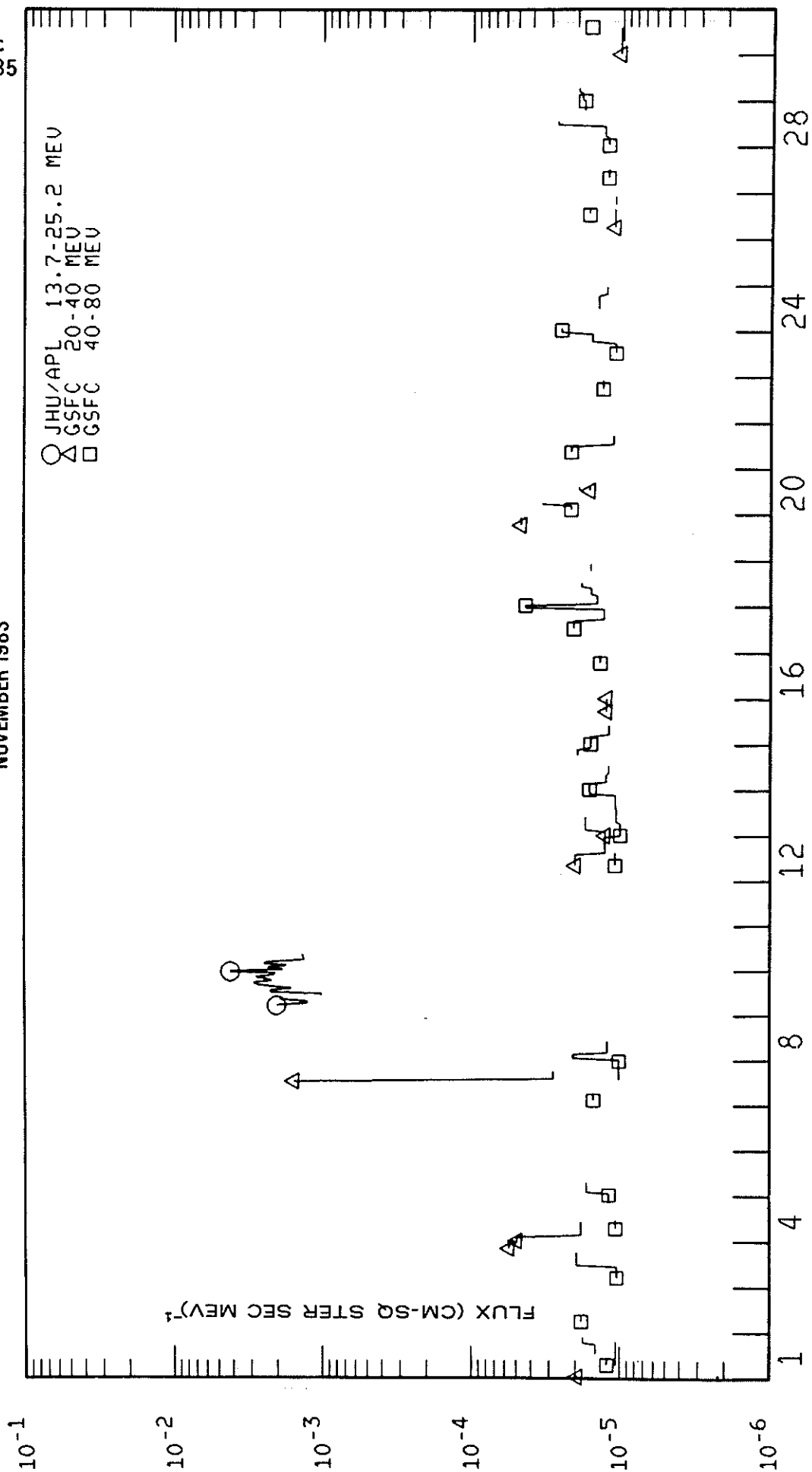


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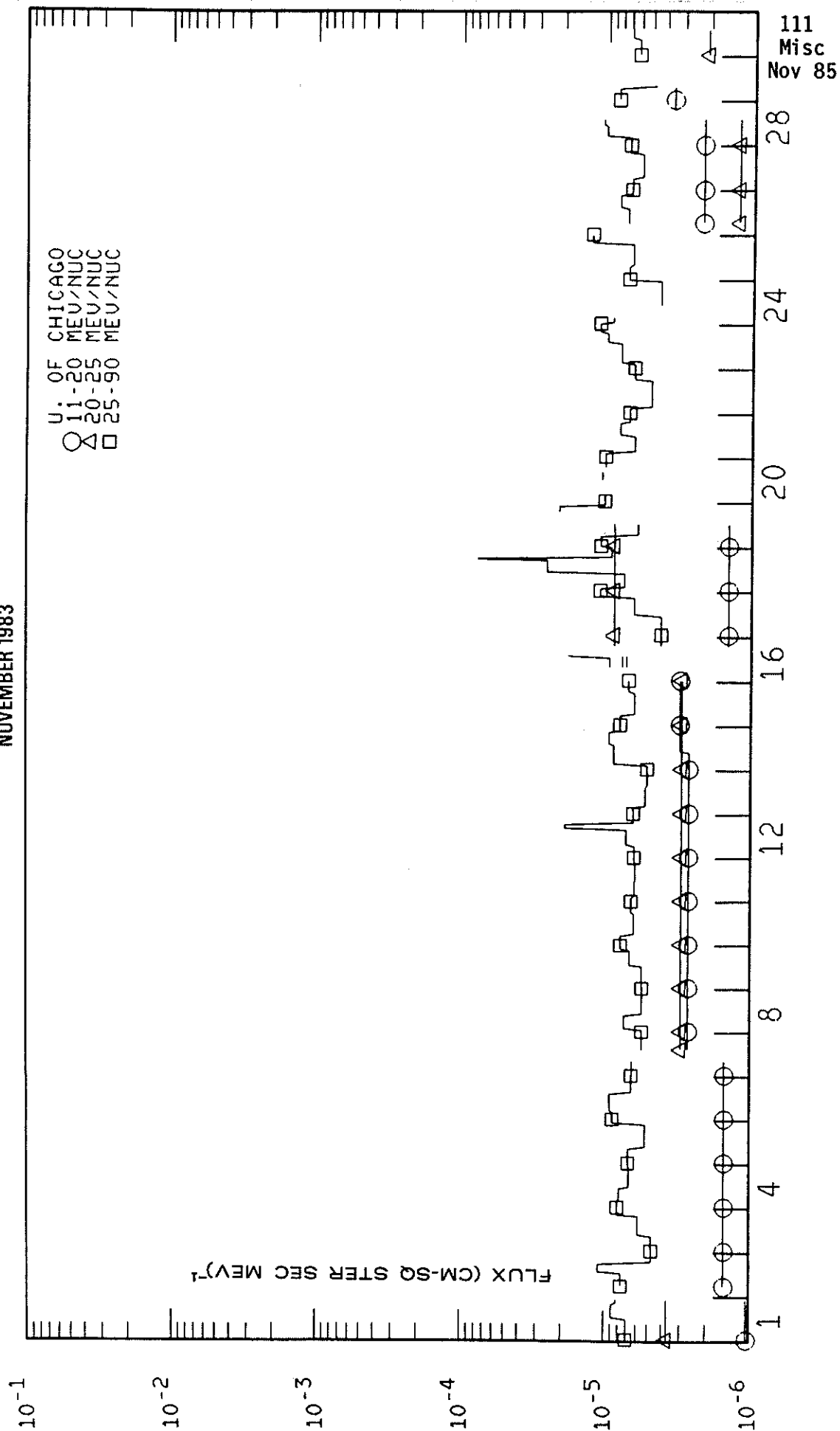


110
Misc
Nov 85

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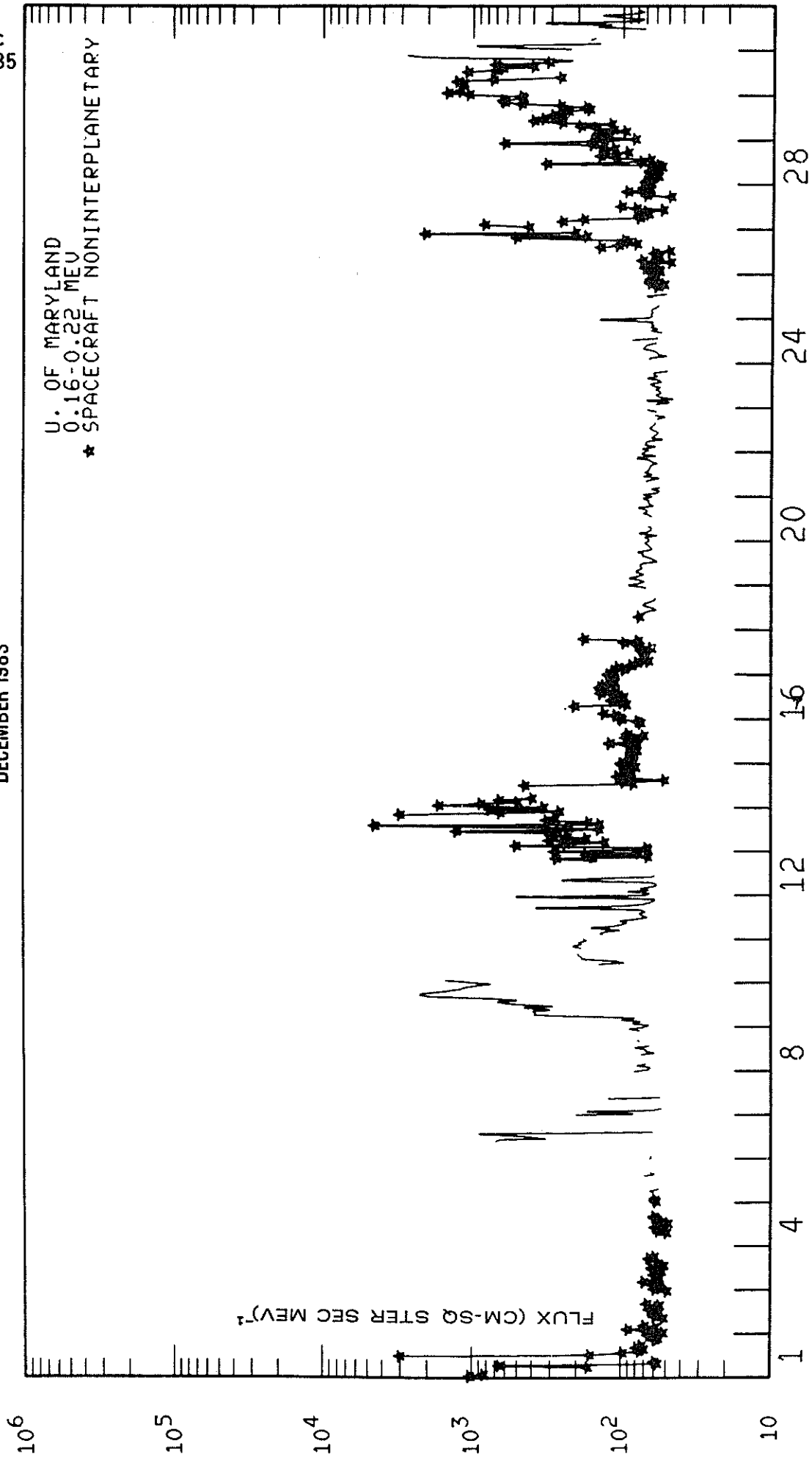


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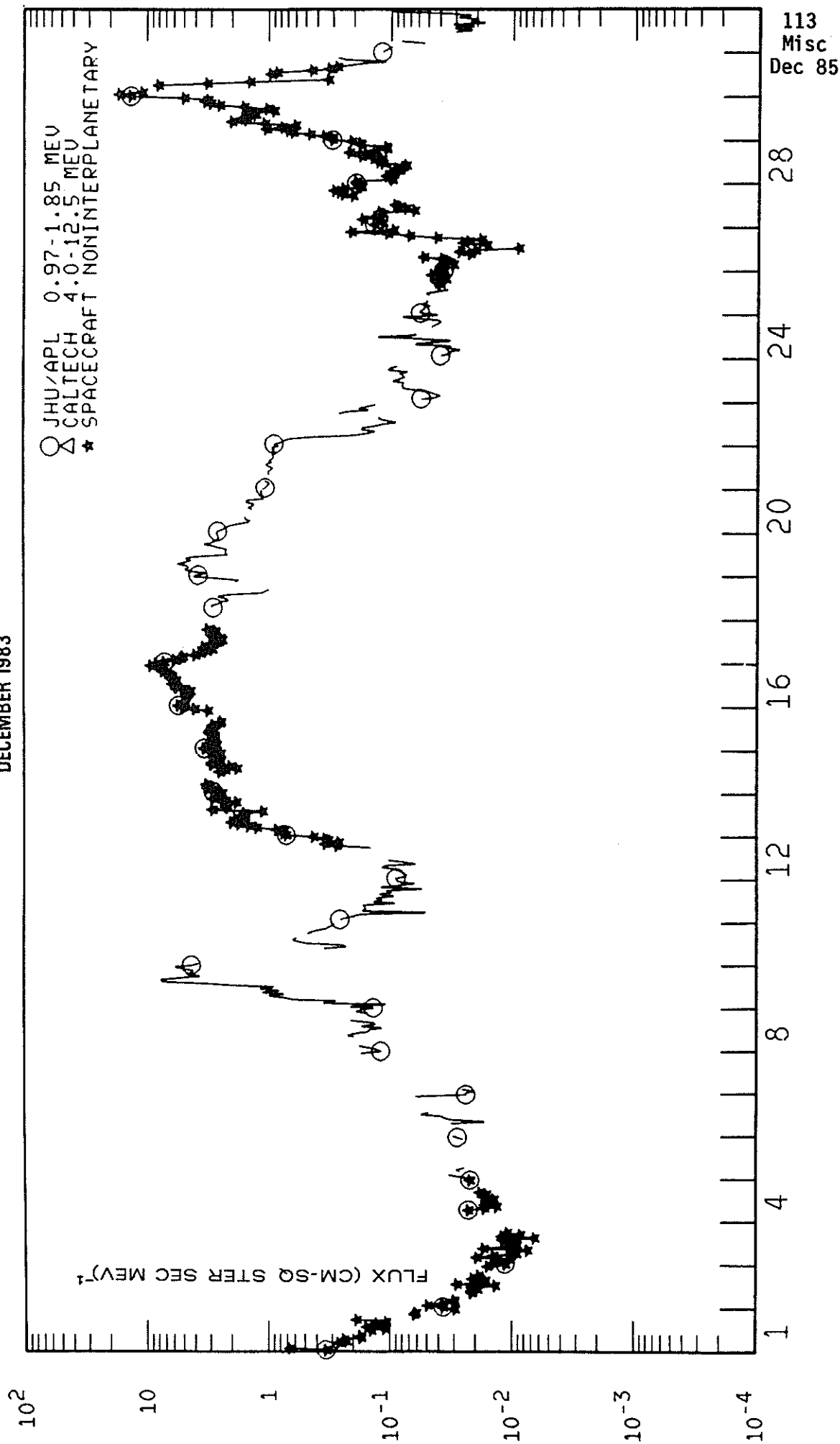


112
Misc
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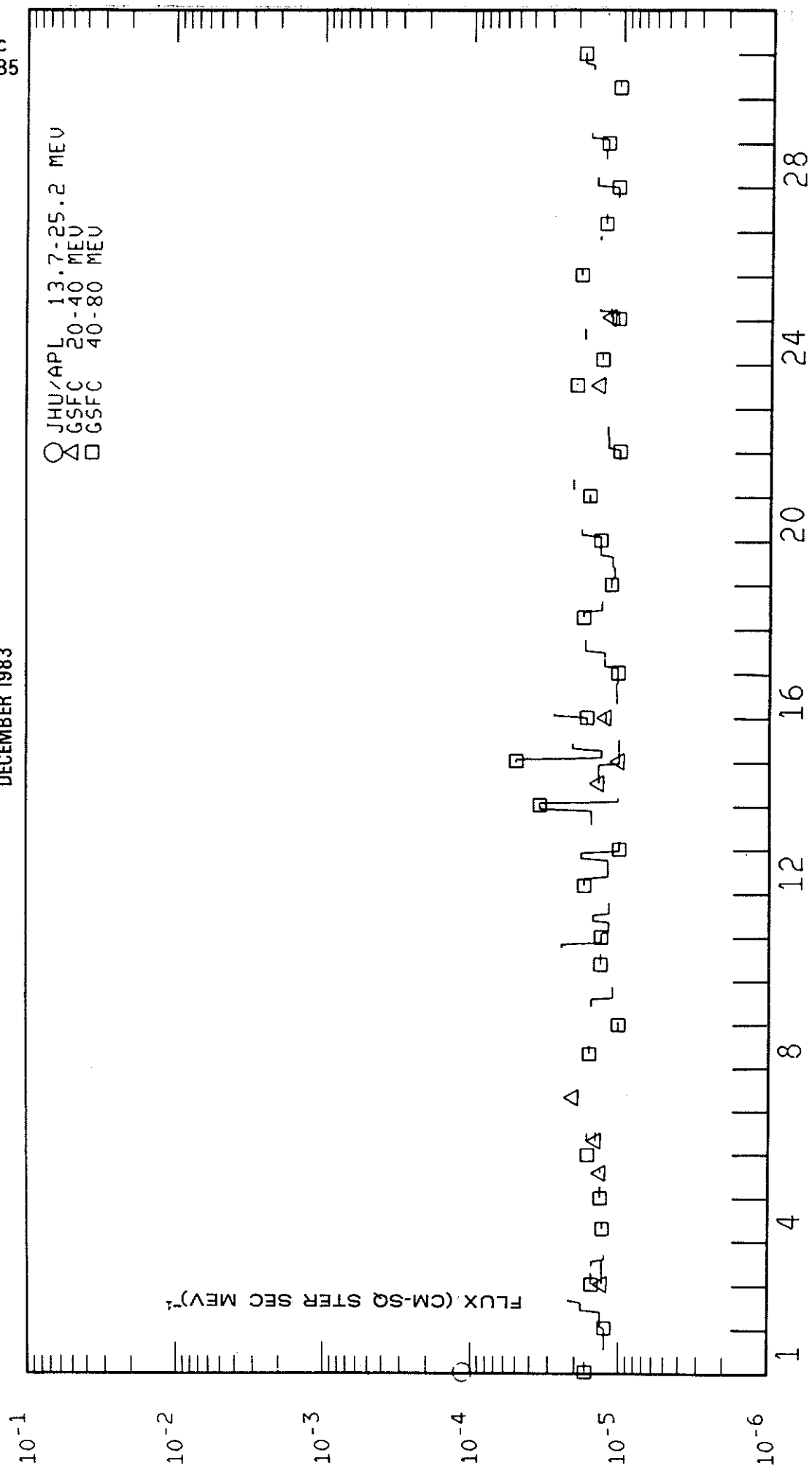
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DECEMBER 1983



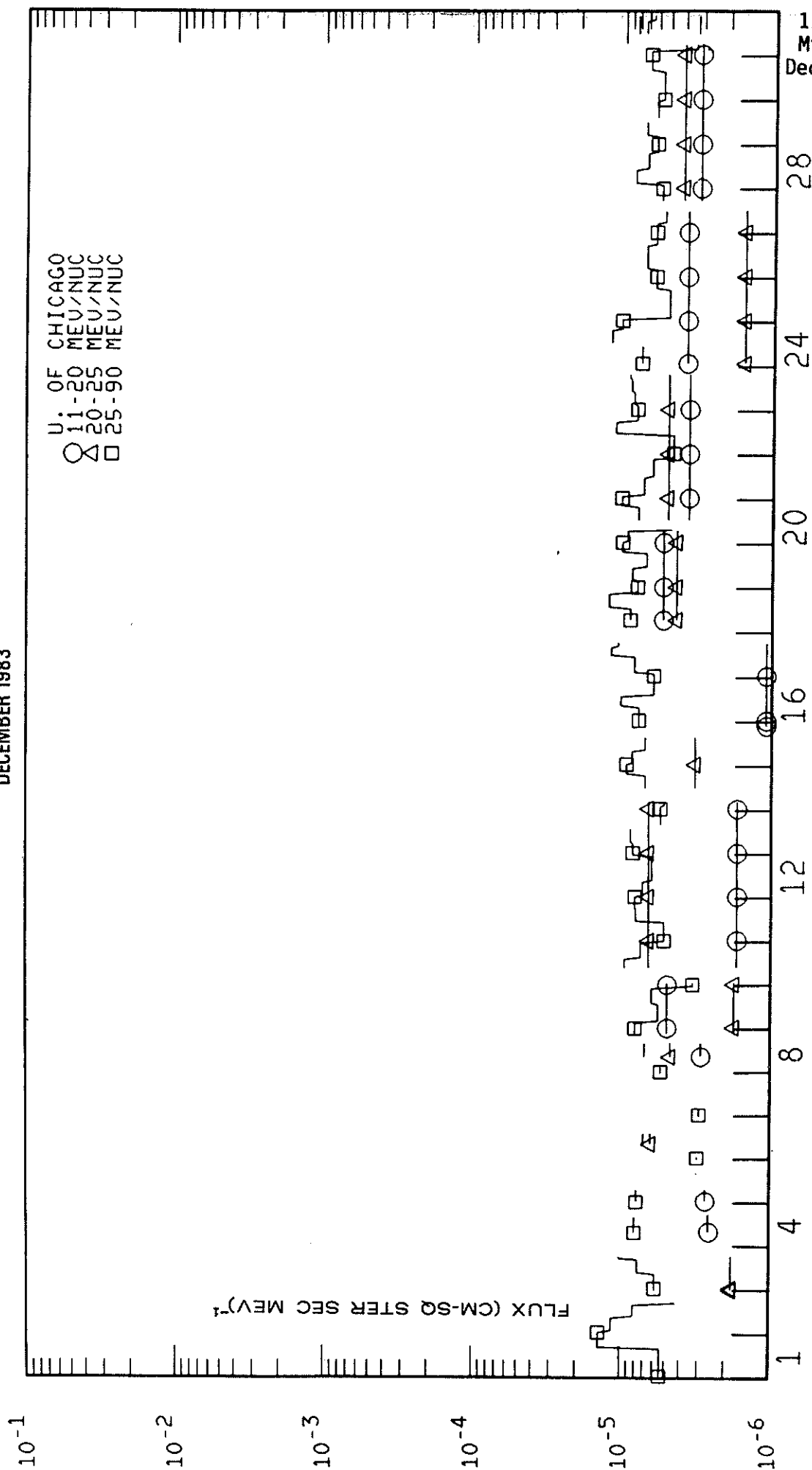
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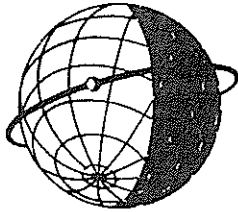
IMP 8 HIGH ENERGY PROTONS
DECEMBER 1983



IMP 8 ALPHA PARTICLES
DECEMBER 1983



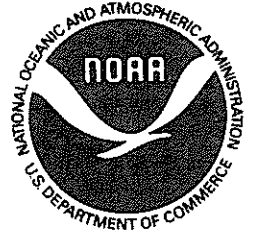
115
Misc
Dec 85



WORLD DATA CENTER A

FOR

SOLAR-TERRESTRIAL PHYSICS



The ICSU Panel on WDCs has recommended that it would be appropriate courtesy to acknowledge in publications that data were obtained from the originating station or investigator through the intermediary of the WDCs. The following statement is suggested:

"Data used in this study were provided by WDC-A for Solar-Terrestrial Physics, NOAA E/GC2, 325 Broadway, Boulder Colorado 80303, USA."