

N O T I C E

THIS DOCUMENT HAS BEEN REPRODUCED FROM
MICROFICHE. ALTHOUGH IT IS RECOGNIZED THAT
CERTAIN PORTIONS ARE ILLEGIBLE, IT IS BEING RELEASED
IN THE INTEREST OF MAKING AVAILABLE AS MUCH
INFORMATION AS POSSIBLE

PB86-143252

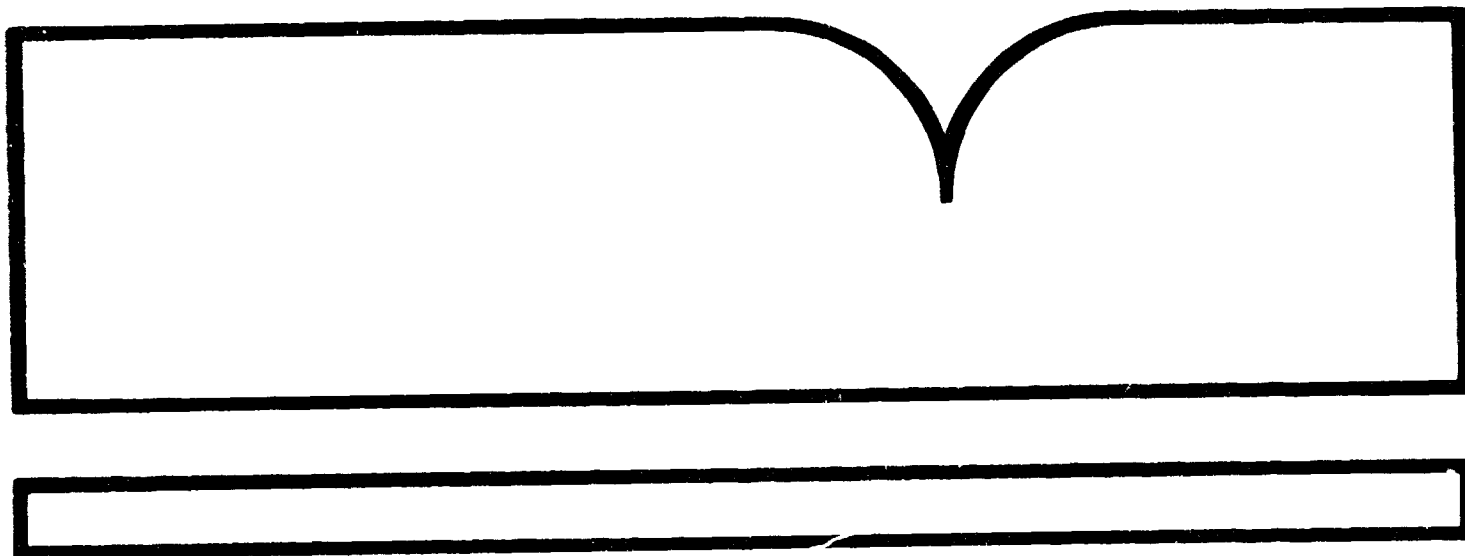
Solar-Geophysical Data Number 494, October 1985
Part 2 (Comprehensive Reports) Data for
April 1985, January-June 1984 and Miscellanea

(U.S.) National Geophysical Data Center
Boulder, CO

Prepared for

National Aeronautics and Space Administration
Washington, DC

Oct 85



U.S. Department of Commerce
National Technical Information Service
NTIS

BIBLIOGRAPHIC INFORMATION

PB86-143252

Solar-Geophysical Data Number 494, October 1985. Part 2
(Comprehensive Reports). Data for April 1985, January-June
1984 and Miscellanea,

Oct 85

by H. E. Coffey.

PERFORMER: National Geophysical Data Center, Boulder, CO.
SGD-494-PT-2
Contract NASA-W-15519, Grant NSF-ATM83-18491

SPONSOR: National Aeronautics and Space Administration,
Washington, DC.

See also PB86-143245, and PB86-125465. Sponsored by National
Aeronautics and Space Administration, Washington, DC., and
National Science Foundation, Washington, DC.

Contents: Detailed index for 1985; Data for April 1985
(Meudon carte synoptique, Solar radio bursts at fixed
frequencies, Solar x-ray radiation from GOES satellite, Mass
ejections from the sun, Active prominences and filaments);
Data for January - June 1984--(Solar flares January 1984,
Solar flares February 1984, Solar flares March 1984, Solar
flares April 1984, Solar flares May 1984, Solar flares June
1984, Number of flares August 1966 - June 1984);
Miscellaneous data--(Interplanetary solar wind July 1984-
March 1985, Errata--Solar x-rays event list January 1985).

KEYWORDS: *Solar activity.

Available from the National Technical Information Service,
SPRINGFIELD, VA. 22161

PRICE CODE: PC A08/MF A01

OCTOBER 1985 NUMBER 494 -- Part II

Solar-Geophysical Data comprehensive reports



Data for April 1985, January-June 1984, and Miscellanea
Explanation of Data Reports Issued as Number 489 (Supplement) May 1985

LATE DATA

GROUPED SOLAR FLARES JAN-JUN 1984

Pages 27-155

INTERPLANETARY SOLAR WIND JUL 84-MAR 85

Pages 158-166

ERRATA: SOLAR X-RAYS JAN 1985

Pages 167-168



REPRODUCED BY
**NATIONAL TECHNICAL
INFORMATION SERVICE**
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE
DATA AND INFORMATION SERVICE

NATIONAL GEOPHYSICAL
DATA CENTER

BOULDER,
COLORADO



U.S. DEPARTMENT OF COMMERCE

Malcolm Baldrige, Secretary

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Anthony J. Calio, Acting Administrator

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

William P. Bishop, Acting Assistant Administrator

Solar - Geophysical Data

NO. 494 OCTOBER 1985

Part II (Comprehensive Reports)

DATA FOR

APRIL 1985

JANUARY-JUNE 1984

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

International Standard Serial Number: 0038-0911
 Library of Congress Catalog Number: 79-640375 //r81

For sale through the National Geophysical Data Center, NOAA/NESDIS, E/GC2, 325 Broadway, Boulder, Colorado 80303. 1986 Subscription Price for the U.S.: \$70.00 annually for both Part I (Prompt Reports) and Part II (Comprehensive Reports) or \$35.00 annually for either part. Annual supplement containing explanation is included. Foreign subscriptions: For 1986 Issues -- \$106.00 for both parts or \$53.00 for either part. We require prepayment for all orders. Please include with your request a check or money order payable in U.S. currency to the Department of Commerce, NOAA/NGDC. Any bank charges should be paid by the subscriber. Payment may be made through an American Express, Mastercard or VISA credit cards. Please include the correct name of credit card holder, card number and expiration date. Prices are subject to change. NGDC phone number: (303)497-6135 (FTS 320-6135).

For obtaining bulletins on a data exchange basis, send request to: World Data Center A for Solar-Terrestrial Physics, NOAA/NESDIS/NGDC, E/GC2, 325 Broadway, Boulder, Colorado 80303 U.S.A.

BACK ISSUES OF "SOLAR-GEOPHYSICAL DATA"

Reel#	Coverage	Medium	Reel#	Coverage	Medium	Reel#	Coverage	Medium
1	Jan 56 - Dec 56	Microfilm	9	Jan 64 - Dec 64	Microfilm	17	Jul 69 - Dec 69	Microfilm
2	Jan 57 - Dec 57	Microfilm	10	Jan 65 - Dec 65	Microfilm	18	Jan 70 - Jun 70	Microfilm
3	Jan 58 - Dec 58	Microfilm	11	Jan 66 - Sep 66	Microfilm	19	Jul 70 - Dec 70	Microfilm
4	Jan 59 - Dec 59	Microfilm	12	Oct 66 - Dec 66	Microfilm	20	Jan 71 - Jun 71	Microfilm
5	Jan 60 - Dec 60	Microfilm	13	Jan 67 - Dec 67	Microfilm	21	Jul 71 - Dec 71	Microfilm
6	Jan 61 - Dec 61	Microfilm	14	Jan 68 - Jun 68	Microfilm	22	Jan 72 - Jun 72	Microfilm
7	Jan 62 - Dec 62	Microfilm	15	Jul 68 - Dec 68	Microfilm	23	Jul 72 - Dec 72	Microfilm
8	Jan 63 - Dec 63	Microfilm	16	Jan 69 - Jun 69	Microfilm		1973 - 1984	Microfiche

Microfilm are available at \$30.00 per reel; microfiche at \$40.00 per year; \$1,000.00 for above set. Back issues in booklet form are available, as long as the stocks exist, at \$4.00 for either part plus a \$3.00 handling charge per order. Any entire year of back issues in booklet form is available at the current annual subscription rate, as long as the stocks exist. Please add a ten dollar (\$10.00) handling fee for non-U.S.A. orders. Prices are subject to change.

S O L A R - G E O P H Y S I C A L D A T A

NUMBER 494

(Issued in Two Parts)

Editor:
Helen E. Coffey, Physicist

Joe H. Allen, Chief
Solar-Terrestrial Physics Division

Staff:
John A. McKinnon, Physicist
Daniel C. Wilkinson, Physicist
Viola W. Miller, Physical Science Technician
Carol Weathers, Editorial Assistant
Charles T. Shanks, Draftsman

C O N T E N T S

PART I (PROMPT REPORTS)

	Page
DETAILED INDEX FOR 1985	2
DATA FOR SEPTEMBER 1985	3- 21
DATA FOR AUGUST 1985	23- 74
LATE DATA	75- 85
Nancay 169 MHz Chart August 1985	
Vostok Inferred IMF Polarity April-October 1985	
Hourly Equatorial Dst July 1985	
Sudden Commencements July 1985	
Preliminary Solar Proton Event List 1976-July 1985	
Calcium Plage Regions February 1983	

PART II (COMPREHENSIVE REPORTS)

	Page
DETAILED INDEX FOR 1985	2
DATA FOR APRIL 1985	3 -26
SOLAR FLARE DATA JAN-JUN 1984 (Preliminary).	27 -155
MISCELLANEOUS DATA	157-168
Interplanetary Solar Wind July 1984-March 1985	
ERRATA: Solar X-ray table January 1985	

Published with partial support from NASA (W-15,519) and NSF (ATM-8318491).

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

CODE	KIND OF OBSERVATION	FEB 85	MAR	APR	MAY	JUN	JUL	AUG	SEP	
A. SOLAR AND INTERPLANETARY PHENOMENA										
A.1	Sunspot Drawings	488A 31	489A 30	490A 34	491A 28	492A 30	493A 24	494A 26		
A.2aa	Internat. Provisional Sunspot Numbers	487A 7	488A 7	489A 7	490A 7	491A 7	492A 9	493A 7	494A 7	
A.2c	American Sunspot Numbers	487A 7	488A 7		490A 7	491A 7	492A 9	493A 7	494A 7	
A.3a	Mt. Wilson Magnetograms	488A 31	489A 30	490A 34	491A 28	492A 30	493A 24	494A 26		
A.3b	Mt. Wilson Sunspot Magnetic Class	488A 59	489A 61	490A 64	491A 59	492A 60	493A 55	494A 57		
A.3c	Kitt Peak Magnetograms	488A 31	489A 30	490A 34	491A 28	492A 30	493A 24	494A 26		
A.3d	Mean Solar Magnetic Field (Stanford)	487A 24	488A 20	489A 23	490A 23	491A 20	492A 25	493A 19	494A 20	
A.3e	Stanford Magnetograms	487A 31	489A 30	490A 34	491A 28	492A 30	493A 24	494A 26		
A.4	H-alpha Filtergrams	487A 31	489A 30	490A 34	491A 28	492A 30	493A 24	494A 26		
A.5	Calcium Plage Photographs/Drawings	Mar-Apr 84 in 491A 95; May 84 in 492A104; Jun-Jul 84 in 493A 77								
A.5a	Calcium Plage Regions	Dec 82 in 491A 88; Jan 83 in 492A 96; Feb 83 in 494A 81								
A.5b	Daily Calcium Plage Indices	Jun-Aug 83 in 485A113								
A.6	H-alpha Synoptic Charts	488A 27	489A 26	490A 26	491A 26	492A 28	493A 22	494A 24		
A.6b	Active Region Carte Synoptique (Paris)	492B 4	493B 4	494B 4						
A.6c	Stanford Solar Mag Field Synoptic Maps	488A 28	489A 27	490A 28	491A 25	492A 30	493A 23	494A 25		
A.6d	Kitt Peak Solar Mag Field Synoptic Maps	488A 29	489A 28	490A 30	491A 26					
A.6e	Mass Ejections from the Sun	492B 14	493B 17	494B 24						
A.6f	Active Prominences and Filaments	492A 15	493B 18	494B 25						
A.7	Kitt Peak Helium Synoptic Maps	488A 30	489A 29	490A 32	491A 27					
A.7h	Coronal Line Emission (Sacramento Peak)	488A 31	489A 30	490A 34	491A 28	492A 30	493A 24	494A 26		
A.8aa	2800 MHz - Solar Flux (Ottawa)	487A 7	488A 7	489A 7	490A 7	491A 7	492A 9	493A 7	494A 7	
A.8ac	2800 MHz - Adj. Solar Flux (Ottawa)	487A 7	488A 7	489A 7	490A 7	491A 7	492A 9	493A 7	494A 7	
A.8g	Adjusted Daily Solar Fluxes (Sagamore)	487A 7	488A 7	489A 7	490A 7	491A 7	492A 9	493A 7	494A 7	
A.10a	Interferometric Chart -169 MHz- Nancy	487A 14	488A 14	489A 16	490A 15	491A 14	492A 18	494A 76	494A 14	
A.10c	East-West Scans - 21 cm - Fleurs	487A 17	488A 17	489A 19	490A 18	491A 17	492A 21	493A 16	494A 17	
A.10d	East-West Scans - 43 cm - Fleurs	487A 18	488A 18	489A 20	490A 19	491A 18	492A 22	493A 17	494A 18	
A.10e	East-West Scans - 10 cm - Ottawa	487A 16	488A 16	489A 18	490A 17	491A 16	492A 20	493A 15	494A 16	
A.10f	East-West Scans - 3 cm - Toyokawa	487A 15	488A 15	489A 17	490A 16	491A 15	492A 19	493A 14	494A 15	
A.11g	Solar X-ray GOES (graphs/event table)	492B 8	493B 6	494B 18						
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									
A.13e	Solar Plasma (IMP n & J)	Jul 84-Mar 85 in 494B158								
A.13f	Solar Wind (Pioneer 12)	Aug 83-Jan 84 in 487A 82								
A.16a	SMM Solar Irradiance									
A.16b	NIMBUS Solar Irradiance	Nov 78-Mar 84 data in 485B 70								
A.17	Interplanetary Mag Field (Pioneer 12)									
A.17c	Inferred Interplanetary Magnetic Field	487A 21	488A 21	494A 77	494A 77	494A 77	494A 77			
B. IONOSPHERIC RADIO PROPAGATION PHENOMENA										
B.52	Field Strength Graphs - North Atlantic	488A 76	489A 76	490A 82	491A 80	492A 80	493A 74	494A 72		
B.53	Quality Indices on Paths to Germany	488A 75	489A 78	490A 84	491A 82	492A 79	493A 76	494A 74		
C. SOLAR FLARE-ASSOCIATED EVENTS										
C.1a	H-alpha Flares	487A 13	488A 12	489A 12	490A 12	491A 12	492A 14	493A 12	494A 12	
C.1ba	H-alpha Flare Groups	1963	Aug-Sep 83 in 492B 17; Oct-Dec 83 in 493B 21; Jan-Jun 84 in 494B 27							
C.1d	Flare Patrol Observations	487A 14	488A 13	---	490A 14	491A 13	492A 17	493A 13	494A 13	
C.1d	Flare Patrol Observations	1983	Aug-Sep 83 in 492B 17; Oct-Dec in 493B 21; Jan-Jun 84 in 494B 27							
C.1e	Flare Indices (by day)									
C.3	Radio Bursts Fixed Freq.	492B 6	493B 6	494B 6						
C.3	Radio Bursts Fixed Freq. Selected	487A 19	488A 18	489A 21	490A 20	491A 19	492A 23	493A 18	494A 19	
C.4d	Radio Bursts Spectral (Culgoora)									
C.4e	Radio Bursts Spectral (Weissenau)	488A 63	489A 66	490A 69	491A 65	492A 67	493A 63	494A 62		
C.4f	Radio Bursts Spectral (Sagamore Hill)	488A 63	489A 66	490A 69	491A 65	492A 67	493A 63	494A 62		
C.4i	Radio Bursts Spectral (Bleien)	488A 63	489A 66	490A 69	491A 65	492A 67	493A 63	494A 62		
C.4k	Radio Bursts Spectral (Learmonth)	488A 63	489A 66	490A 69	491A 65	492A 67	493A 63	494A 62		
C.4l	Radio Bursts Spectral (Pahua)	488A 63	489A 66	490A 69	491A 65	492A 67	493A 63	494A 62		
C.6	Sudden Ionospheric Disturbances	488A 62	489A 65	490A 67	491A 64	492A 66	493A 63	494A 61		
D. GEOMAGNETIC & MAGNETOSPHERIC PHENOMENA										
D.1a	Geomagnetic Indices	488A 69	489A 71	490A 76	491A 74	492A 73	493A 70	494A 68		
D.1ba	27-day Chart of Kp Indices	488A 71	489A 73	490A 78	491A 76	492A 75	493A 72	494A 70		
D.1c	27-day Chart of Cg									
D.1d	Principal Magnetic Storms	488A 74	489A 75	490A 80	491A 78	492A 77	493A 73	494A 71		
D.1f	Sudden Commencement/Solar Flare Effects	489A 80	490A 86	490A 81	491A 79	492A 78	494A 79			
D.1g	Equatorial Indices Dst	488A 73	489A 74	490A 79	491A 77	492A 76	494A 78			
F. COSMIC RAYS										
F.1a	Cosmic Ray Neutron Counts (Deep River)	492A 86	492A 87	492A 88						
F.1b	Cosmic Ray Neutron Counts (Climax)	489A 82	490A 89	490A 75	491A 73	492A 69	493A 69	494A 67		
F.1e	Cosmic Ray Neutron Counts (Alert)	492A 86	492A 87	492A 88						
F.1h	Cosmic Ray Neutron Counts (Thule)	488A 65	491A 85	491A 86	491A 73	492A 69	493A 69	494A 67		
F.1i	Cosmic Ray Neutron Counts (Kiel)	488A 65	489A 67	490A 75	491A 73	492A 69	493A 69	494A 67		
F.1j	Cosmic Ray Neutron Counts (Tokyo)	488A 65	489A 67	490A 75	491A 73	492A 69	493A 69	494A 67		
F.1l	Cosmic Ray Neutron Counts (Huancaayo)	490A 88	491A 85							
F.1m	Cosmic Ray Neutron Counts (Predigtstuhl)	488A 65	489A 67	490A 75	491A 73	492A 69	493A 69	494A 67		
H. MISCELLANEOUS										
H.60	IUWDS Alert Periods	487A 4	488A 4	489A 4	490A 4	491A 4	492A 5	493A 4	494A 4	

The entry "488A 31" under Feb 1985, for example, means that the sunspot drawings for Feb 1985 appear in SOLAR-GEOPHYSICAL DATA No. 488, Part I, and that they begin on page 31. "A" denotes Part I and "B", Part II. Blanks indicate data not yet received and dashes mark unavailable data.

C O N T E N T S

Comprehensive Reports

DATA FOR APRIL 1985

Number 494 Part II

	Page
MEUDON CARTE SYNOPTIQUE	
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	6-17
INTERPLANETARY SOLAR PARTICLES AND PLASMA (Data unavailable at time of publication.)	
SOLAR X-RAY RADIATION FROM GOES SATELLITE Gra,ss	18-22
Event List	23
MASS EJECTIONS FROM THE SUN	24
ACTIVE PROMINENCES AND FILAMENTS	25-26
SOLAR IRRADIANCE (not available at time of publication)	

4
Apr 85

CARTE SYNOPTIQUE

ACTIVE REGIONS
CARRINGTON ROTATION 1760

(20 March to 16 April 1985)

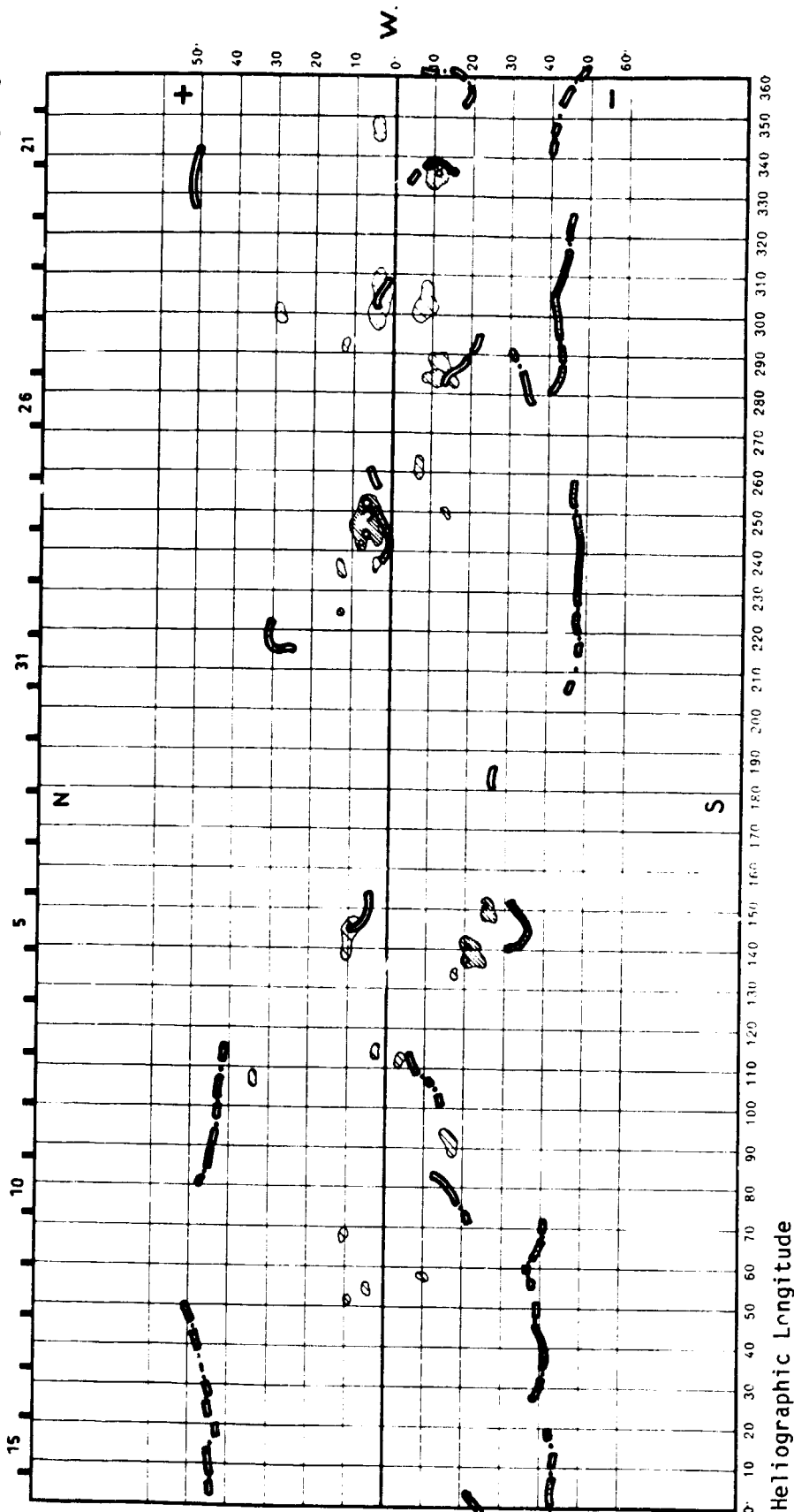
Region No.	Coordinates Lat. Long.	Age at CMP (Days)	Spotless Region	Region No. In Rotation 1759	Activity at West Limb
1	5°N 346	1	-1	x	stable
2	10°S 335	2	>6		decreasing
3	8°S 302	1	>6	x	disappeared
4	12°S 286	1	>6	x	disappeared
5	10°S 284	1	-4	x	increasing
6	7°S 261	1	+3	x	disappeared
7	7°N 248	4	>6		decreasing
8	4°N 236	1	-2	x	disappeared
9	13°N 235	1	+5	x	disappeared
10	15°S 150	2	+5		disappeared
11	21°S 139	2	+3		decreasing
12	3°N 114	1	-1	x	disappeared
13	3°S 112	1	-1	x	disappeared
14	17°S 92	1	+5	x	disappeared
15	10°N 51	1	-3	x	disappeared

CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1760
(March 20 to April 16, 1985)

Meudon Observatory

March 1985



Heliographic Longitude

6
Apr 85

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

APRIL 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 (10 ⁻²² W/m ² Hz)		
01	260 ONDR	43 NS	0654.0	0716.0	449.0	45.0			
	1000 TYKW	45 C	0226.0	0226.4	1.5	53.0	6.0		
	930 BORD	40 F	0725.3	0725.7	.5	55.0	2.0		
02	3750 TYKW	20 GRF	0305.0U	0330.0U	90.0U	1.0	.5U		INTERFERENCE
	1000 TYKW	45 C	0309.5	0310.2	3.5	10.0	.7		
	2000 TYKW	20 GRF	0310.0	0400.0	150.0	1.0	.5		
	808 ONDR	42 SER	0653.5	0653.5	1.0				
	260 ONDR	40 F	0705.0	0714.0	19.0	8.0			
	260 ONDR	40 F	1059.0	1101.0	5.0	1.0			
	430 KRAK	46 C	1156.5	1157.5	5.0	28.0	3.0		
03	260 ONDR	43 NS	0842.5	1101.5	145.5	9.0			
	3100 CRIM	20 GRF	0650.0	0740.0	290.0	2.0	1.0		
	536 ONDR	40 F	0658.5	0658.7	1.3	9.0			
	500 HIRA	8 S	0708.4	0708.4	.2	22.0			0
	204 IZMI	5 S	0710.1	0710.2	.2	104.0	50.0		
	3000 IZMI	7 C	0733.0	0737.4	7.0	20.0	10.0		
	29 UPIC	2 S/F	0903.0	0903.1	3.1				
	3000 IZMI	7 C	0935.0	0937.0	5.0	40.0	20.0		
	808 ONDR	8 S	1219.0	1219.0	.2				
	2800 OTTA	1 S	1914.2	1914.9	1.0	.8	.4		
	2800 OTTA	1 S	2032.0	2032.5	3.0	.9	.4		
	245 SGMR	47 GB	2032.1	2032.3	.5	63.0			QL=6 ST=2 TYP=5
	610 SGMR	8 S	2032.3	2032.5	.2	16.0			QL=6 ST=2 TYP=3
410 SGMR	8 S	2032.6	2032.6	.2	13.0			QL=6 ST=2 TYP=3	
04	260 ONDR	43 NS	0641.0		276.0	5.0			
	245 SGMR	43 NS	2122.0	2132.3	89.0	22.0			QL=6 ST=2 TYP=1
	500 HIRA	41 F	0040.6	0042.0	4.0	7.0			0
	2000 TYKW	20 GRF	0140.0	0150.0	120.0	1.0	.5		RAIN
	1000 TYKW	20 GRF	0141.0	0148.0	40.0	1.0	.5		
	500 HIRA	42 SER	0143.4	0152.9	19.0	5.0			0
	3750 TYKW	20 GRF	0144.0U	0200.0U	120.0U	1.0	.5U		INTERFERENCE
	500 HIRA	45 C	0206.5	0209.4	6.0	3.0	1.0		WR
	430 KRAK	2 S/F	1048.2	1049.5	2.5	5.0	2.0		
	2800 OTTA	20 GRF	1930.0	2010.0	110.0	1.6	.8		
05	260 ONDR	40 F	0850.0	0856.0	48.0	1.0			
	810 KRAK	8 S	0926.5	0926.8	.4	9.0			
	810 KRAK	8 S	1032.5	1032.5	.2	6.0			
	810 KRAK	8 S	1058.8	1058.8	.2	8.0			
	260 ONDR	40 F	1107.0	1107.5	7.0	1.0			
	204 IZMI	41 F	1125.5	1129.5	4.0	86.0			
06	260 ONDR	43 NS	0718.0		129.0	3.0			
	1000 TYKW	45 C	0610.0	0610.3	1.0	33.0	4.0		
07	2000 TYKW	32 ABS	0040.0	0300.0	200.0	-1.0	-.5		RAIN
	9100 GORK	20 GRF	0351.0E	0354.7	133.00	17.0			
	260 ONDR	40 F	0934.0	0936.0	5.0	1.0			
	260 ONDR	8 S	1318.5	1319.0	1.0	16.0			
	808 ONDR	8 S	1319.0	1319.5	1.0				
	536 ONDR	8 S	1319.0	1319.5	1.0	57.0			
08	245 LEAR	8 S	0915.0	0915.1	.3	40.0			QL=6 ST=2 TYP=3
09	260 ONDR	40 F	0841.0	0853.5	26.0	15.0			
	930 BORD	42 SER	0910.8	1000.8	50.4U	28.0	1.0		
10	930 BORD	42 SER	0947.0	0948.8	27.0	31.0	1.0		
	930 BORD	42 SER	1505.4	1508.0	2.6	21.0	1.0		
11	260 ONDR	44 NS	0742.0E	0947.0	134.00	4.0			
	2840 PEKG	1 S	0632.0	0633.0	2.0	1.7	1.1		
	9395 PEKG	8 S	0632.0	0633.0	1.0	12.2	4.7		
	930 BORD	8 S	0945.8	0946.0	.4	73.0	2.0		
	930 BORD	42 SER	1309.0	1323.2	22.0	15.0	1.0		
	930 BORD	8 S	1504.3	1504.7	.4	31.0	1.0		
12	930 BORD	8 S	1412.0	1412.2	.4	84.0	2.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

7
Apr 85

APRIL 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			
15	260	ONDR	43 NS	0757.0	0757.0	3.0	164.0				
	536	ONDR	40 F	0757.0	0757.0	2.5	12.0	2.5			
	430	KRAK	40 F	1020.5	1021.5	8.5	8.0	2.0			
	930	BORD	40 F	1511.0	1511.4	.8	125.0	3.0			
16	260	ONDR	40 F	0904.5	0906.0	1.5	6.0				
	808	ONDR	8 S	0926.0	0926.0	.1					
	536	ONDR	8 S	0926.3	0926.3	.1	15.0				
	260	ONDR	8 S	0926.5	0926.5	.3	17.0	.3			
	260	ONDR	40 F	1003.0	1004.0	4.0	6.0				
	930	BORD	40 F	1201.7	1201.8	.5	10.0	2.0			
	930	BORD	8 S	1239.6	1239.7	.3	42.0	1.0			
17	930	BORD	8 S	1025.8	1025.9	.2	57.0	2.0			
	430	KRAK	1 S	1100.0	1100.5	1.5	3.0	2.0			
	430	KRAK	46 C	1109.5	1110.8	11.0	5.0	3.0			
	430	KRAK		1109.5	1115.7		18.0				
18	9300	KISV	1 S	0617.5	0618.5	1.0	7.0				
	9300	KISV	1 S	0714.0	0715.0	2.5	5.0				
	930	BORD	8 S	1009.2	1009.4	.4	54.0	2.0			
	930	BORD	8 S	1209.4	1209.5	.3	21.0	2.0			
	930	BORD	40 F	1507.4	1507.5	.6	21.0	1.0			
19	930	BORD	40 F	0721.2	0721.4	.3	15.0	2.0			
	930	BORD	40 F	1012.4	1012.5	.4	66.0	2.0			
	930	BORD	8 S	1111.3	1111.4	.2	12.0	1.0			
	930	BORD	8 S	1213.7	1213.8	.3	21.0	1.0			
	930	BORD	8 S	1342.4	1342.8	.6	172.0	2.0			
	2695	SGMR	47 GB	1849.6	1850.1	1.2	430.0			QL=1 ST=2 TYP=5	
	1415	SGMR	8 S	1849.8	1850.1	.8	46.0			QL=1 ST=2 TYP=3	
	21	200	HIRA	44 NS	1957.0E	0618.0	800.0D	10.0	6.0		0
3100	CRIM	44 NS	2200.0E		240.0D		11.0				
208	VORO	44 NS	2200.0E		240.0D	11.0	4.0			0	
500	HIRA	42 SER	0734.6	0734.6	2.4						
33	UPIC	2 S/F	0753.3	0753.4	.2						
29	UPIC	2 S/F	0753.3	0753.5	.5						
200	BERN	3 S	1639.5	1640.1	2.0	92.0				OPR	
8400	BERN	3 S	1639.5	1640.1	2.0	140.0				OPR	
3100	BERN	3 S	1639.5	1640.1	2.0	64.0				GPR	
2800	OTTA	240 R	1900.0	2220.0	200.0	5.2	2.6				
22	260	ONDR	44 NS	0600.0E		481.0D	12.0				
	204	IZMI	43 NS	0600.0		360.0	10.0				
	127	TORN	43 NS	0946.0		126.0				V=0	
	536	ONDR	44 NS	1222.5E	1223.0	7.0D	9.0				
	200	HIRA	44 NS	1953.0E	0103.0	800.0D	10.0	5.0		0	
	208	VORO	44 NS	2200.0E		120.0D		15.0			
	245	LEAR	43 NS	2256.0	0159.3	652.0D	31.0				QL=6 ST=2 TYP=1
	208	VORO	3 S	0154.0	0154.5	1.0	200.0D				
	3750	TYKW	5 S	0215.0	0215.4	1.5	4.0	1.5			
	9100	GORK	1 S	0655.7	0656.1	2.1	6.0				
	2950	GORK	1 S	0655.7	0656.1	1.3	6.8	.4			
	930	BORD	40 F	0717.1	0717.8	1.0	11.0	3.0			
	536	ONDR	8 S	0925.5	0925.5	.3	9.0				
	808	ONDR	1 S	0926.0	0926.8	11.0					
	930	BORD	8 S	1009.1	1009.3	.7	83.0	2.0			
	430	KRAK	46 C	1015.3	1015.5	1.5	15.0	9.0			
	2950	GORK	1 S	1048.0	1048.1	.7	.6	.3			
	930	BORD	8 S	1118.0	1118.2	.5	15.0	1.0			
	2800	OTTA	240 R	1525.0	1538.0	13.0	1.6	.8			
	930	BORD	8 S	1532.2	1532.5	.4	161.0	2.0			
	1415	SGMR	4 S/F	1638.6	1638.8	2.4	16.0				QL=3 ST=2 TYP=3
	930	BORD	46 C	1639.0	1640.0	2.0	73.0	6.0			
2800	OTTA	240AR	1639.0	1651.0	12.0	1.4					
8800	ATHN	47 GB	1639.0	1640.0	2.0	93.0				QL=5 ST=2 TYP=5	
4995	ATHN	8 S	1639.0	1640.0	2.0	35.0				QL=5 ST=2 TYP=3	
15400	SGMR	47 GB	1639.1	1639.1	.9	110.0				QL=3 ST=2 TYP=5	
4995	SGMR	8 S	1639.1	1639.6	1.7	36.0				QL=3 ST=2 TYP=3	
8800	SGMR	47 GB	1639.1	1639.8	1.5	51.0				QL=3 ST=2 TYP=5	

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

APRIL 1985

Day	Freq S ^a	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
						Peak (10 ⁻²² W/m ² Hz)	Mean		
22	2800 OTTA	3 S	1639.3	1640.0	2.0	30.0	12.0		
	2695 SGMR	8 S	1639.3	1640.0	.8	23.0			QL=3 ST=2 TYP=3
	2695 ATHN	47 GB	1640.0	1640.0	1.0	82.0			QL=5 ST=2 TYP=5
	1415 ATHN	8 S	1640.0	1640.0	1.0	22.0			QL=5 ST=2 TYP=3
	2800 OTTA	29 PBI	1641.3	1641.3	9.0	3.4	1.7		
	2800 OTTA	20 GRF	1850.0	1910.0	50.0	1.6	.8		
	15400 SGMR	8 S	1951.6	1952.1	.9	19.0			QL=3 ST=2 TYP=3
	8800 PALE	8 S	1951.8	1952.0	.3	39.0			QL=6 ST=2 TYP=3
	610 PALE	8 S	1951.8	1952.0	.3	31.0			QL=6 ST=2 TYP=3
	245 SGMR	8 S	1951.8	1952.0	.5	35.0			QL=3 ST=2 TYP=3
	245 PALE	8 S	1951.8	1952.0	.3	38.0			QL=6 ST=2 TYP=3
	15400 PALE	8 S	1951.8	1952.0	.3	25.0			QL=6 ST=2 TYP=3
	410 PALE	49 GB	1951.8	1952.0	.3	600.0			QL=6 ST=2 TYP=6
	1415 SGMR	8 S	1951.8	1952.1	.5	11.0			QL=3 ST=2 TYP=3
	8800 SGMR	8 S	1951.8	1952.1	.7	35.0			QL=3 ST=2 TYP=3
	2695 SGMR	8 S	1951.8	1952.1	.8	10.0			QL=3 ST=2 TYP=3
	4995 SGMR	8 S	1951.8	1952.1	.7	15.0			QL=3 ST=2 TYP=3
	610 SGMR	8 S	1951.8	1952.1	.5	24.0			QL=3 ST=2 TYP=3
	2800 OTTA	1 S	1952.0	1952.1	2.0	9.2	2.3		
	2800 OTTA	20 GRF	2020.0	2050.0	95.0	2.8	1.6		
	9400 TYKW	45 C	2141.0	2141.9	3.0	16.0	5.0		
	500 HIRA	8 S	2206.8	2206.8	.6	6.0			WL
	9400 TYKW	5 S	2206.8	2207.6	1.5	5.0	1.5		
	2800 OTTA	1 S	2207.0	2207.2	1.2	2.2	1.1		
	2000 TYKW	5 S	2207.0	2207.3	1.0	2.0	.7		
	1000 TYKW		2207.0	2207.3		4.0			
	3750 TYKW	45 C	2207.0	2207.5	1.0	3.0	1.0		
	1000 TYKW	45 C	2207.0	2208.1	3.5	7.0	1.0		
	2695 PENT	240 R	2230.0	2340.0	70.0	2.8	1.6		
	3750 TYKW	20 GRF	2243.0	2330.0	100.0	2.0	1.0		
9400 TYKW	20 GRF	2245.0	2331.0	100.0	4.0	2.0			
23	204 IZMI	43 NS	0600.0		360.0	20.0			
	260 ONDR	44 NS	0628.0E		442.00	32.0			
	245 PALE	43 NS	1624.0	0406.1	716.00	390.0			QL=6 ST=2 TYP=1
	410 PALE	43 NS	1624.0	1954.6	716.00	320.0			QL=6 ST=2 TYP=1
	610 PALE	43 NS	1624.0	2304.8	716.00	99.0			QL=6 ST=2 TYP=1
	245 SGMR	43 NS	1843.0	2143.6	269.00	360.0			QL=6 ST=2 TYP=1
	410 SGMR	43 NS	1844.0	2026.8	268.00	500.0			QL=6 ST=2 TYP=1
	100 HIRA	44 NS	1952.0E	2030.0	200.00	1180.0	330.0		WL
	200 HIRA	44 NS	1952.0E	2045.0	800.00	140.0	20.0		ML
	208 VORO	44 NS	2200.0E		180.00		34.0		
	410 LEAR	43 NS	2257.0	0203.3	650.00	160.0			QL=6 ST=2 TYP=1
	245 LEAR	3 NS	2257.0	0404.1	650.00	239.0			QL=6 ST=2 TYP=1
	610 LEAR	43 NS	2257.0	2044.1	650.00	30.0			QL=6 ST=2 TYP=1
	1000 TYKW	5 S	0120.0	0121.2	3.0	1.0	.3		
	1000 TYKW	5 S	0126.0	0128.7	6.0	1.5	.5		
	1000 TYKW	45 C	0227.0	0245.5	26.0	4.0	1.0		
	9400 TYKW	5 S	0256.7	0257.2	1.0	5.0	1.0		
	1000 TYKW	5 S	0316.0	0323.0	14.0	1.5	.5		
	100 HIRA	8 S	0327.3	0327.4	.6	1700.0			0
	9100 GORK	23 GRF	0329.3	0514.3	517.00	18.0			
	1000 TYKW	45 C	0420.0	0420.5	1.5	7.0	1.5		
	2902 YUNN	22 GRF	0506.1	0514.5	21.2	7.0			
	9400 TYKW	5 S	0507.0	0514.3	15.0	12.0	6.0		
	3750 TYKW	5 S	0509.0	0514.3	10.0	7.0	3.0		
	2950 GORK	21 GRF	0509.8	0518.0	110.0	3.0			
	3100 CRIM	45 C	0510.0	0514.5	13.0	9.0	3.0		
	3100 CRIM		0510.0	0518.5		9.0			
	2000 TYKW	5 S	0511.0	0514.3	6.0	3.0	1.5		
	2840 PEKG	5 S	0511.0	0514.5	28.0	7.8	7.4		
	9395 PEKG	5 S	0511.0	0515.2	20.0	13.5	4.7		
	3100 CRIM	29 PBI	0513.0	0513.0		3.0			
	2950 GORK	1 S	0513.0	0514.4	4.2	3.6	1.8		
	2000 TYKW	29 PBI	0517.0		25.0	1.0	.5		
	3750 TYKW	29 PBI	0519.0		25.0	3.0	1.5		
	9400 TYKW	29 PBI	0522.0		25.0	6.0	3.0		
	500 HIRA	8 S	0610.4	0610.4	.3	6.0			0
536 ONDR	8 S	0752.5	0752.6	.2	14.0				
2950 GORK	20 GRF	0854.0	1036.0	186.00	5.3				
2902 YUNN	20 GRF	0855.8	1021.9	104.0	9.0				

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

9
Apr 85

APRIL 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 (10 ⁻²² W/m ² Hz)		
23	33 UPIC	2 S/F	0903.0	0903.1	3.3				
	536 ONDR	8 S	0931.5	0931.5	.5	8.0			
	30 BORD	40 F	1008.4	1009.0	1.0	60.0	2.0		
	9100 GORK	46 C	1025.0	1025.3	3.2	14.0			
				1025.0	1026.8		7.0		
	536 ONDR	8 S	1034.5	1034.5	.1	16.0			
	9100 GORK	1 S	1040.5	1040.7	1.1	6.0	3.0		
	536 ONDR	8 S	1122.5	1125.5	3.0	62.0			
	610 SGMR	47 GB	1122.6	1122.8	.7	61.0			QL=5 ST=2 TYP=5
	930 BORD	4J F	1122.6	1122.9	.5	9.0	6.0		
	808 ONDR	1 S	1123.5	1123.5	1.0				
	930 BORD	8 S	1202.6	1202.8	.3	50.0	1.0		
	245 SGMR	47 GB	1239.8	1240.0	.5	66.0			QL=6 ST=2 TYP=5
	2800 OTTA	20 URF	1425.0	1450.0	55.0	2.0	1.2		
	930 BORD	8 S	1509.8	1510.0	.2	66.0	1.0		
	2800 OTTA	22 GRF	1610.0	1705.0	100.0	3.4	1.7		
	2800 OTTA	22 GRF	1800.0	2020.0	440.0	11.4	6.0		
	245 PALE	47 GB	1852.1	1852.5	12.0	169.0			QL=6 ST=2 TYP=5
	410 PALE	47 GB	1854.3	1854.5	.7	119.0			QL=6 ST=2 TYP=5
	410 PALE	49 GB	2023.8	2026.8	10.3	620.0			QL=6 ST=2 TYP=6
	500 HIRA	45 C	2024.6	2026.4	11.0	100.0	40.0		WR
	1000 TYKW	45 C	2055.0E	2104.8	65.00	12.0	3.00		
	9400 TYKW	5 S	2107.0	2109.5	8.0	50.0	22.0		
	15400 SGMR	47 GB	2107.5	2109.3	28.3	52.0			QL=6 ST=3 TYP=5
	8800 SGMR	47 GB	2107.6	2109.3	19.7	52.0			QL=6 ST=3 TYP=5
	8800 PALE	4 S/F	2108.1	2109.3	3.0	48.0			QL=6 ST=2 TYP=3
	15400 PALE	8 S	2108.1	2109.3	1.9	47.0			QL=6 ST=2 TYP=3
	9400 TYKW	29 PBI	2115.0		15.0	10.0	5.0		
	9400 TYKW	5 S	2136.0	2136.8	3.0	8.0	3.0		
	3750 TYKW	5 S	2136.0	2137.5	5.0	2.0	.7		
	9400 TYKW	5 S	2144.0	2145.5U	8.0	6.0	2.0U		
	1000 TYKW	45 C	2202.0	2208.6	8.0	2.5	1.0		
	1000 TYKW	45 C	2218.0	2223.8	13.0	2.5	1.0		
1000 TYKW	45 C	2232.0	2259.9	87.0	12.0	3.0			
500 HIRA	45 C	2344.5	2345.6	3.0	25.0	13.0		WR	
410 PALE	47 GB	2345.0	2345.8	1.6	97.0			QL=6 ST=2 TYP=5	
24	200 GORK	44 NS	0355.0E		407.00		20.0		
	100 GORK	44 NS	0357.0E		483.00		30.0		
	200 GORK	44 NS	0400.0E		175.00		5.0		
	260 ONDR	44 NS	0555.0E		495.00				
	536 ONDR	44 NS	0555.0E	0618.0	495.00	15.0			
	204 IZMI	44 NS	0600.0		360.0	80.0			
	430 KRAK	44 NS	0700.0E		240.00				
	127 TORN	44 NS	0720.0E		130.00		12.0		V=2
	410 SGMR	43 NS	1317.0	1320.8	596.00	510.0			QL=6 ST=2 TYP=1
	245 SGMR	43 NS	1317.0	1328.6	596.00	1899.0			QL=6 ST=2 TYP=1
	245 PALE	43 NS	1623.0	2016.0	717.00	260.0			QL=6 ST=2 TYP=1
	410 PALE	43 NS	1939.0	2050.3	521.00	210.0			QL=6 ST=2 TYP=1
	200 HIRA	44 NS	1952.0E	2100.0	800.00	40.0	17.0		ML
	100 HIRA	44 NS	1952.0E	2115.0U	800.00	180.0	20.0		ML
	208 VORO	44 NS	2200.0E		180.00		29.0		
	610 PALE	43 NS	2245.0	2358.8	335.00	55.0			QL=6 ST=2 TYP=1
	245 LEAR	43 NS	2257.0	0227.1	649.00	90.0			QL=6 ST=2 TYP=1
	610 LEAR	43 NS	2257.0	2312.0	649.00	20.0			QL=6 ST=2 TYP=1
	410 LEAR	43 NS	2257.0	2322.8	649.00	20.0			QL=6 ST=2 TYP=1
	1000 TYKW	45 C	0013.0	0049.6	70.0	6.0	2.0		
	1000 TYKW		0013.0	0052.9		6.0			
	9400 TYKW	5 S	0026.0	0027.8	4.0	5.0	2.0		
	500 HIRA	27 RF	0038.3	0046.5	21.0	6.0	2.0		ML
	9400 TYKW	5 S	0049.0	0049.6	1.5	4.0	1.5		
	3750 TYKW	5 S	0049.0	0049.6	2.0	1.5	.5		
	200 HIRA	42 SER	0049.2	0049.5	36.0	610.0			0
	245 PALE	49 GB	0049.3	0049.5	1.7	740.0			QL=6 ST=2 TYP=6
	245 LEAR	49 GB	0049.3	0049.5	.7	600.0			QL=6 ST=2 TYP=6
	245 PALE	47 GB	0057.0	0057.1	.5	100.0			QL=6 ST=2 TYP=5
	500 HIRA	8 S	0110.4	0110.6	.4	25.0			WR
9400 TYKW	5 S	0128.0	0131.5	15.0	4.0	2.0			
9400 TYKW	28 PRE	0146.0	0146.7	2.0	5.0	3.0			
2902 YUNN	1 S	0146.9	0149.5	5.2	5.0				

10
Apr 85

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

APRIL 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			
24	9400	TYKW	45 C	0148.0	0148.7	20.0	235.0	50.0			
	9395	PEKG	3 S	0148.0	0148.8	16.0	238.0	81.8			
	3750	TYKW	45 C	0148.0	0149.3	17.0	24.0	7.0			
	17000	NOBE	7 C	0148.0	0148.8	2.5	204.0			R	
	15400	PALE	47 GB	0148.1	0148.6	2.9	250.0			QL=6 ST=2 TYP=5	
	8800	PALE	47 GB	0148.1	0148.6	15.9	290.0			QL=6 ST=2 TYP=5	
	15400	LEAR	47 GB	0148.1	0148.8	2.5	219.0			QL=3 ST=2 TYP=5	
	8800	LEAR	47 GB	0148.1	0148.8	16.2	250.0			QL=3 ST=2 TYP=5	
	4995	LEAR	47 GB	0148.1	0148.8	16.2	80.0			QL=6 ST=2 TYP=5	
	4995	PALE	47 GB	0148.3	0148.6	2.2	78.0			QL=6 ST=2 TYP=5	
	2340	PEKG	1 S	0149.0	0149.4	4.0	6.5	6.2			
	17000	NOBE	29 PBI	0150.5	0150.5	8.0	19.0				0
	2840	PEKG	29 PBI	0153.0		22.0	2.9	2.2			
	2000	TYKW	32 ABS	0200.0	0240.0	85.0	-1.5	-0.7			
	500	HIRA	45 C	0201.5	0203.1	2.4	7.0	3.0			WR
	9395	PEKG	29 PBI	0204.0		23.0	19.4	6.9			
	3750	TYKW	30 PBI	0205.0		15.0	4.0	2.0			
	9400	TYKW	30 PBI	0208.0		25.0	15.0	6.0			
	3750	TYKW	31 ABS	0220.0	0247.0	60.0	-5.0	-2.0			INTERFERENCE
	9400	TYKW	31 ABS	0233.0	0300.0	60.0	-5.0	-3.0			
	9100	GORK	20 GRF	0324.0E	0452.5	321.00	37.0				
	2950	GORK	22 GRF	0325.5E	0452.0	290.00	21.0				
	3750	TYKW	5 S	0335.0	0352.0	55.0	11.0	5.0			
	2902	YUNN	20 GRF	0336.6	0400.5	47.8	8.0				
	9395	PEKG	21 GRF	0338.0	0350.0	35.0	19.0	6.5			
	2640	PEKG	20 GRF	0339.0	0400.0	35.00	12.0	11.2			
	9400	TYKW	45 C	0340.0	0341.2	30.0	13.0	7.0			
	9395	PEKG	3 S	0340.0	0341.3	3.0	13.0	4.5			
	9400	TYKW		0340.0	0350.0		11.0				
	2000	TYKW	20 GRF	0340.0	0400.0	55.0	4.0	1.5			
	650	GORK	23 GRF	0400.0E	0718.0	480.00	16.0				
	9400	TYKW	29 PBI	0410.0		20.0	4.0	2.0			
	950	GORK	20 GRF	0411.0E	0454.7	211.00	5.3				
	2902	YUNN	22 GRF	0437.8	0454.5	126.7	18.0				
	2840	PEKG	5 S	0445.0	0452.4	97.0	19.1	17.8			
	3750	TYKW	45 C	0446.0	0451.3	60.0	26.0	12.0			
	9400	TYKW	45 C	0446.0	0452.7	60.0	25.0	15.0			
	2000	TYKW	45 C	0446.0	0453.8	60.0	13.0	6.0			
	1000	TYKW	45 C	0446.0	0453.8	14.0	6.0	2.0			
	9395	PEKG	5 S	0447.0	0452.3	58.0	29.0	9.9			
	3100	CRIM	20 GRF	0447.0	0451.2	85.0	18.0	6.0			
	17000	NOBE	24 R	0450.8	0539.0	187.00	14.0				R
	1000	TYKW	29 PBI	0500.0		160.0	2.0	1.0			
	9400	TYKW	29 PBI	0546.0		120.0	10.0	5.0			
	2000	TYKW	29 PBI	0546.0		120.0	4.0	2.0			
	3750	TYKW	29 PBI	0546.0		120.0	6.0	3.0			
	500	HIRA	45 C	0718.3	0720.6	9.0	42.0	7.0			ML
	9400	TYKW	5 S	0839.6	0839.8	1.0	12.0	2.0			
	9300	KISV	2 S/F	0839.7	0839.8	1.0	10.0				
	3100	CRIM	47 GB	0845.0	0930.8	97.0	2510.0				
3100	CRIM		0845.0	0935.0		2690.0	897.0				
2950	GORK	21 GRF	0845.6	0912.0	192.00	35.0					
650	GORK	4 S/F	0847.6	0849.1	2.9	30.0	2.5				
9100	GORK	21 GRF	0903.6	1017.3	177.00	106.0					
9300	KISV	28 PRE	0903.7	0932.00	52.0	1032.00					
3100	BERN	47 GB	0904.0	0935.00	80.00	3200.00					
2902	YUNN	47 GB	0904.5	0936.5	113.50	8751.0					
3000	IZMI	47 GB	0912.7	0935.5	64.0	368.0	200.0				
2695	LEAR	49 GB	0913.0	0920.1	20.1	64.0				QL=6 ST=2 TYP=7	
5200	BERN	47 GB	0915.0	0929.00	80.00	3200.00					
950	GORK	46 C	0916.2	0925.3	11.8	3900.0					
950	GORK		0916.2	0925.7		2224.0					
4995	LEAR	49 GB	0916.6	0920.1	16.5	87.0				QL=6 ST=2 TYP=7	
930	BORD	49 GB	0916.7	0925.4	72.3	4165.0	250.0				
930	BORD		0916.7	0930.7		687.0					
808	ONDR	28 PRE	0917.0	0917.0	3.0						
810	KRAK	49 GB	0917.0	0925.00	81.0	800.00	120.00				
1475	ATHN	49 GB	0917.0	0926.0	56.0	7200.0				QL=6 ST=2 TYP=6	
8800	ATHN	49 GB	0917.0	0929.0	56.0	13999.0				QL=6 ST=2 TYP=6	
11800	BERN	47 GB	0917.0	0930.00	80.00	4600.00					
8400	BERN	47 GB	0917.0	0930.00	80.00	3600.00					

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

11
Apr 85

APRIL 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (W/m ² Hz)	Int	Remarks
24	4995	ATHN	49 GB	0917.0	0930.0	56.0	10000.0			QL=6 ST=2 TYP=6
	2695	ATHN	49 GB	0917.0	0931.0	56.0	4700.0			QL=6 ST=2 TYP=6
	810	KRAK		0917.0	0939.3		640.0			
	810	KRAK		0917.0	1009.6		75.0			
	9100	GORK	46 C	0917.1	0928.4	60.0	9780.0			
	9100	GORK		0917.1	0934.6		6660.0			
	8800	LEAR	49 GB	0917.3	0920.1	15.8	81.0			QL=3 ST=2 TYP=7
	2950	GORK	46 C	0917.3	0930.6	59.0	1900.0			
	2950	GORK		0917.3	0935.6		2750.0			
	650	GORK	46 C	0917.4	0925.8	128.0	2520.0			
	650	GORK		0917.4	1023.8		74.0			
	650	GORK		0917.4	1049.0		167.0			
	245	LEAR	49 GB	0918.0	0918.1	15.1	100.0			QL=6 ST=3 TYP=7
	1415	LEAR	49 GB	0918.1	0920.1	15.0	31.0			QL=6 ST=2 TYP=7
	430	KRAK	49 GB	0919.2	0927.00	225.00	250.00	150.00		
	430	KRAK		0919.2	0933.00		250.00			
	430	KRAK		0919.2	1010.00		250.00			
	430	KRAK		0919.2	1140.0		160.0			
	430	KRAK		0919.2	1156.5		130.0			
	430	KRAK		0919.2	1245.2		200.0			
	536	ONDR	46 C	0920.0		73.0				
	536	ONDR		0920.0	0925.00		439.00			
	536	ONDR		0920.0	0946.5		395.0			
	808	ONDR	49 GB	0920.0	0950.00	30.00				
	536	ONDR		0920.0	1023.5		254.0			
	15400	LEAR	49 GB	0920.8	0926.5	12.3	13000.0			QL=3 ST=2 TYP=7
	50000	BERN	47 GB	0921.0	0928.0	80.00	5000.0			
	35000	BERN	47 GB	0921.0	0928.4	80.00	6400.0			
	19600	BERN	47 GB	0921.0	0930.9	80.00	8316.0			
	410	LEAR	49 GB	0921.3	0924.8	11.8	1300.0			QL=6 ST=2 TYP=7
	410	LEAR	49 GB	0921.3	0925.8	11.8	3100.0			QL=6 ST=2 TYP=7
	10	GORK	46 C	0924.7	0925.0	65.3	17200.0			
	200	GORK		0924.7	0926.3		17200.00			
	204	IZMI	45 C	0925.0	0926.0	70.0	13700.0	5000.0		
	100	GORK	46 C	0925.3	0926.2	61.0	21000.0			
	100	GORK		0925.3	0930.3		21000.0			
	29	UPIC	49 GB	0926.1		15.6				
	33	UPIC	49 GB	0926.1		15.2				
	950	GORK	30 PBI	0928.0	0928.2	152.00	430.0			
	808	ONDR	29 PBI	0930.0	0930.0	110.0				
	808	ONDR	46 C	0930.0	0939.0	14.0				
	15400	LEAR	49 GB	0933.1	0933.1	8.2	5700.0			QL=3 ST=2 TYP=7
	245	LEAR	49 GB	0933.1	0933.1	8.2	340.0			QL=6 ST=2 TYP=7
	2695	LEAR	49 GB	0933.1	0933.1	8.2	3000.0			QL=6 ST=2 TYP=7
	4995	LEAR	49 GB	0933.1	0933.1	8.2	6000.0			QL=6 ST=2 TYP=7
	8800	LEAR	49 GB	0933.1	0934.6	8.2	12000.0			QL=3 ST=2 TYP=7
	1415	LEAR	49 GB	0933.1	0935.6	8.2	9300.0			QL=6 ST=2 TYP=7
	410	LEAR	49 GB	0933.1	0936.1	8.2	169.0			QL=6 ST=2 TYP=7
	610	LEAR	49 GB	0933.1	0936.1	8.2	330.0			QL=6 ST=2 TYP=7
	950	CORK	5 S	0937.8	0939.6	5.0	187.0			
33	UPIC	29 PBI	0941.3	0951.9	209.7					
29	UPIC	29 PBI	0941.7	1002.3	99.00					
808	ONDR	46 C	1008.0	1010.5	3.0					
410	SGMR	49 GB	1010.0E	1048.0	187.00	2500.0			QL=6 ST=3 TYP=6	
610	SGMR	47 GB	1010.0E	1048.3	80.00	210.0			QL=6 ST=3 TYP=5	
245	SGMR	49 GB	1010.0E	1048.6	187.00	4900.0			QL=6 ST=3 TYP=6	
930	BORD	29 PBI	1029.0	1121.0	52.0	9.0	4.0			
200	GORK	30 PBI	1030.0	1030.0	90.0	270.0				
204	IZMI	46 C	1035.0	1127.0	87.0	700.0	250.0			
536	ONDR	46 C	1038.0		48.0					
536	ONDR		1038.0	1049.0		384.0				
536	ONDR		1038.0	1102.5		384.0				
536	ONDR		1038.0	1111.5		202.0				
810	KRAK	46 C	1045.5	1050.5	12.0	38.0	2.0			
810	KRAK		1045.5	1052.4		35.0				
4995	SGMR	4 S/F	1046.5	1047.0	23.5	21.0			QL=6 ST=3 TYP=3	
2800	OTTA		1100.0	1110.0	180.00	24.0				
200	GORK	4 S/F	1123.0	1128.2	8.7	280.0				
536	ONDR	46 C	1150.0	1201.0	22.0	8.0				
536	ONDR	46 C	1215.0	1238.0	35.0	32.0				
410	SGMR	49 GB	1223.1	1224.1	24.0	300.0			QL=6 ST=2 TYP=6	

12
Apr 85

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

APRIL 1985

Day	Freq	Str	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 ⁻²² W/m ² Hz)	Mean			
24	245	SGMR	49 GB	1223.1	1225.6	24.0	1100.0			QL=6 ST=2 TYP=6	
	536	ONDR	46 C	1256.0	1331.0	74.00	25.0				
	2800	OTTA	20 GRF	1440.0	1505.0	50.0	1.8	0.9			
	2800	OTTA	22 GRF	1540.0	1655.0	195.0	11.4	5.4			
	4995	ATHN	20 GRF	1641.0	1645.0		53.0			QL=1 ST=3 TYP=2	
	2695	ATHN	20 GRF	1641.0	1650.0	24.0	85.0			QL=1 ST=2 TYP=2	
	8800	ATHN	20 GRF	1641.0	1747.0		88.0			QL=1 ST=3 TYP=2	
	1415	ATHN	20 GRF	1644.0	1650.0		29.0			QL=1 ST=3 TYP=2	
	245	PALE	47 GB	1646.1	1646.3	.7	52.0			QL=6 ST=2 TYP=5	
	15400	PALE	8 S	1646.6	1646.8	2.0	42.0			QL=6 ST=2 TYP=3	
	15400	SGMR	4 S/F	1658.8	1659.5	7.8	27.0			QL=6 ST=2 TYP=3	
	4995	SGMR	8 S	1658.8	1659.6	.8	13.0			QL=6 ST=2 TYP=3	
	8800	SGMR	8 S	1658.8	1659.8	1.3	19.0			QL=6 ST=2 TYP=3	
	245	PALE	47 GB	1801.8	1802.0	.3	80.0			QL=6 ST=2 TYP=5	
	15400	SGMR	47 GB	1832.3	1832.6	1.0	53.0			QL=6 ST=2 TYP=5	
	15400	PALE	47 GB	1832.3	1832.6	.8	69.0			QL=6 ST=2 TYP=5	
	8800	SGMR	8 S	1832.3	1832.6	.8	35.0			QL=6 ST=2 TYP=3	
	2800	OTTA	20 GRF	1910.0	1950.0	90.0	2.2	1.1			
	245	PALE	47 GB	1920.6	1922.8	11.7	94.0			QL=6 ST=2 TYP=5	
	410	PALE	8 S	1929.1	1929.3	.4	29.0			QL=6 ST=2 TYP=3	
	500	HIRA	24 R	1953.0E	2111.1	370.00	100.0	20.0			MR
	2800	OTTA	8 S	2048.1	2048.2	.8	1.2	.6			
	1000	TYKW	5 S	2050.0	2050.3	1.0	7.0	1.5			
	2800	OTTA	1 S	2050.0	2050.3	1.0	2.8	1.4			
	410	PALE	47 GB	2050.1	2050.3	23.2	210.0				QL=6 ST=2 TYP=5
	245	PALE	49 GB	2054.1	2059.0	19.2	780.0				QL=6 ST=2 TYP=6
	2800	OTTA	240 R	2110.0	2135.0	25.0	3.6	1.8			
	410	PALE	47 GB	2113.3	2113.3	18.2	310.0				QL=6 ST=2 TYP=5
	245	PALE	49 GB	2113.3	2114.1	18.7	1100.0				QL=6 ST=2 TYP=6
	375	TYKW	21 GRF	2115.0	2142.0	120.0	5.0	2.5			
	1000	TYKW	45 C	2130.0	2157.2		12.0				
	1000	TYKW	45 C	2130.0	2325.4	270.0	26.0	5.0			
	17000	NOBE	1 S	2140.8	2141.2	13.0	23.0				R
	17000	NOBE	1 S	2154.4	2154.6	5.0	14.0				0
	3750	TYKW	20 GRF	2155.0	2205.0	40.0	3.0	1.5			
	2000	TYKW	5 S	2325.0	2325.4	1.0	2.0	.5			
	9400	TYKW	5 S	2347.0	2348.3	3.0	7.0	3.0			
	3750	TYKW	5 S	2347.0	2348.5	5.0	1.5	.5			
	9400	TYKW	29 PBI	2350.0		10.0	2.0	1.0			
	2000	TYKW	5 S	2357.0	2357.8	4.0	1.5	.5			
200	HIRA	46 C	2357.3	2357.6	1.0	32.0	12.0			ML	
25	200	GORK	44 NS	0345.0E		495.00		10.0			
	100	GORK	44 NS	0345.0E		495.00		5.0			
	260	ONDR	44 NS	0529.0E	0906.5	528.00	52.0				
	536	ONDR	44 NS	0559.0E	0925.0	528.00	30.0				
	204	IZMI	43 NS	0600.0		360.0	10.0				
	430	KRAK	44 NS	0700.0E		360.00	16.0				
	127	TORN	43 NS	0700.0		180.00		28.0			V=1
	33	UPIC	43 NS	0920.5		382.5					
	29	UPIC	43 NS	0921.8		258.7U					
	245	SGMR	43 NS	1008.0	1516.6	786.00	310.0				QL=6 ST=3 TYP=1
	410	SGMR	43 NS	1008.0	1612.6	786.00	68.0				QL=6 ST=3 TYP=1
	610	SGMR	43 NS	1408.0	1602.1	546.00	31.0				QL=6 ST=3 TYP=1
	245	PALE	43 NS	1622.0	0057.3	718.00	95.0				QL=6 ST=2 TYP=1
	200	HIRA	44 NS	1751.0E	0413.0	810.00	140.0		65.0		ML
	100	HIRA	44 NS	1951.0E	0700.0U	810.00	700.0	230.0			WL
	245	LEAR	43 NS	2246.0	0944.1	687.00	62.0				QL=6 ST=2 TYP=1
	610	LEAR	44 NS	2257.0E	0335.0		60.0				QL=6 ST=1 TYP=1
	410	LEAR	47 GB	0037.1	0049.6	16.9	90.0				QL=6 ST=2 TYP=5
	9400	TYKW	5 S	0042.5	0042.8	1.5	4.0	1.5			
	410	PALE	47 GB	0048.1	0049.8	2.2	119.0				QL=6 ST=2 TYP=5
	9400	TYKW	5 S	0054.0	0055.3	5.0	3.0	1.0			
	9400	TYKW	5 S	0100.7	0101.2	2.5	7.0	2.0			
	245	LEAR	47 GB	0105.0	0119.0	23.0	100.0				QL=6 ST=2 TYP=5
	410	PALE	47 GB	0110.5	0110.6	.3	110.0				QL=6 ST=2 TYP=5
	245	PALE	47 GB	0113.1	0114.5	9.4	119.0				QL=6 ST=2 TYP=5
	3750	TYKW	5 S	0113.5	0114.3	2.5	2.0	.7			
9400	TYKW	45 C	0113.7	0114.3	3.3	6.0	3.0				
9400	TYKW	29 PBI	0117.0		8.0	3.0	1.5				
9400	TYKW	5 S	0128.5	0129.2	3.5	2.0	1.0				

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

13
Apr 85

APRIL 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		
25	9400	TYKW	5 S	0137.0	0139.0	7.0	2.0	1.0		
	3750	TYKW	5 S	0138.0	0138.8	5.0	1.5	.5		
	245	LEAR	8 S	0159.3	0159.8	.7	5.0			QL=6 ST=2 TYP=3
	1000	TYKW	45 C	0200.0	0203.8	18.0	4.0	1.0		
	1000	TYKW	45 C	0218.0	0225.3	18.0	11.0	2.0		
	200	HIRA	42 SER	0221.0	0227.0	6.0	720.0			ML
	9400	TYKW	45 C	0222.0	0228.2	15.0	12.0	6.0		
	2000	TYKW	20 GRF	0222.0	0231.0	50.0	2.0	1.0		
	3750	TYKW	45 C	0228.0	0228.4	4.0	3.0	1.0		
	1000	TYKW	45 C	0236.5	0243.9	36.0	4.0	1.0		
	9400	TYKW	30 PBI	0237.0		60.0	6.0	3.0		
	3750	TYKW	5 S	0256.0	0258.0U	10.0	2.0	.70		
	9400	TYKW	5 S	0256.0	0258.0	5.0	4.0	1.5		
	1000	TYKW	45 C	0313.5	0314.1	3.0	2.0	1.0		
	17000	NOBE	1 S	0317.8	0318.0	7.0	19.0			0
	1000	TYKW	45 C	0322.0	0339.7	90.0	370.0	2.0		
	9100	GORK	21 GRF	0324.0E	0347.5	105.00	28.0			
	2950	GORK	21 GRF	0327.0	0351.0	102.0	27.0			
	3750	TYKW	21 GRF	0335.0	0342.0	65.0	2.0	1.0		
	9400	TYKW	45 C	0339.0	0345.4	17.0	7.0	4.0		
	3750	TYKW	5 S	0344.0	0345.5	10.0	2.0	.7		
	650	GORK	22 GRF	0348.0E	0429.7	490.00	43.0	5.0		
	9400	TYKW	30 PBI	0356.0		45.0	3.0	1.5		
	9400	TYKW	5 S	0405.0	0405.5	2.0	6.0	2.0		
	9100	GORK	1 S	0405.2	0405.6	.8	7.0	3.0		
	950	GORK	41 F	0410.8	0444.7	38.5	3.0			
	9400	TYKW	28 PRE	0418.0	0418.3	3.5	4.0	2.0		
	9395	PEKG	1 S	0421.0	0422.2	3.0	8.3	2.7		
	2840	PEKG	1 S	0421.0	0422.2	3.0	2.1	2.0		
	8800	LEAR	8 S	0421.5	0421.8	1.1	18.0			QL=6 ST=2 TYP=3
	17000	NOBE	1 S	0421.5	0421.8	10.0	27.0			R
	9400	TYKW	5 S	0421.5	0421.9	1.5	17.0	6.0		
	9100	GORK	1 S	0421.6	0421.9	.8	12.0	6.0		
	3750	TYKW	5 S	0421.7	0422.0	2.0	5.0	1.5		
	4995	LEAR	8 S	0421.8	0421.8	1.5	8.0			QL=6 ST=2 TYP=3
	15400	LEAR	8 S	0421.8	0421.8	.3	34.0			QL=6 ST=2 TYP=3
	2950	GORK	1 S	0421.8	0422.1	1.2	1.7	.8		
	9400	TYKW	29 PBI	0423.0		10.0	4.0	2.0		
	245	LEAR	8 S	0423.1	0423.1	.5	9.0			QL=6 ST=2 TYP=3
	9400	TYKW	5 S	0443.5	0444.2	2.5	5.0	1.5		
	9395	PEKG	3 S	0458.0	0459.2	7.0	22.4	7.3		
	9400	TYKW	5 S	0458.0	0459.2	4.0	20.0	4.0		
	9100	GORK	1 S	0458.8	0459.2	1.6	16.0	8.0		
	17000	NOBE	1 S	0458.9	0459.2	11.0	48.0			R
	15400	LEAR	47 GB	0459.0	0459.1	.6	55.0			QL=6 ST=2 TYP=5
	8800	LEAR	8 S	0459.1	0459.1	.4	19.0			QL=6 ST=2 TYP=3
	1000	TYKW	45 C	0501.0	0502.6	7.0	2.0	.7		
	9400	TYKW	29 PBI	0502.0		6.0	3.0	1.5		
	1000	TYKW	45 C	0510.0	0513.7	15.0	5.0	2.0		
	2000	TYKW	21 GRF	0510.0	0525.0	75.0	1.0	.5		
2950	GORK	21 GRF	0511.4	0557.0	70.0	3.4	1.7			
3750	TYKW	21 GRF	0512.0	0543.0	75.0	4.0	2.0			
950	GORK	22 GRF	0512.0	0513.7	9.0	3.0				
9100	GORK	21 GRF	0512.0	0557.0	45.0U	12.0				
9400	TYKW	21 GRF	0515.0	0543.0	75.0	8.0	4.0			
9400	TYKW	45 C	0523.0	0524.7	4.0	3.0	1.0			
9300	KISV	20 GRF	0523.0	0530.0	23.5	6.0				
9400	TYKW	5 S	0535.4	0535.7	1.0	6.0	2.0			
9400	TYKW	5 S	0550.0	0554.2	6.0	8.0	4.0			
2000	TYKW	20 GRF	0552.0	0554.0	30.0	1.5	.7			
3750	TYKW	45 C	0552.5	0554.0	5.5	8.0	3.0			
3100	CRIM	1 S	0552.5	0554.0	16.0	6.0	2.0			
2840	PEKG	45 C	0552.6	0554.2	8.4	4.7	4.4			
2950	GORK	1 S	0552.8	0554.0	3.3	3.7	1.8			
9300	KISV	1 S	0552.8	0554.0	5.0	7.0				
9395	PEKG	1 S	0553.0	0554.4	4.0	7.8	2.5			
9100	GORK	1 S	0553.0	0554.0	2.5	7.0	3.0			
8800	LEAR	20 GRF	0553.6	0554.0	.5	13.0			QL=6 ST=2 TYP=2	
4995	LEAR	20 GRF	0553.8	0554.0	.3	11.0			QL=6 ST=2 TYP=2	
808	ONDR	40 F	0554.0	0555.0	13.0					
9400	TYKW	29 PBI	0556.0		15.0	4.0	2.0			

14
Apr 85

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

APRIL 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		
25	3750	TYKW	29 PBI	0558.0		25.0	3.0	1.5		
	1000	TYKW	45 C	0609.0	0625.2	22.0	4.0	1.0		
	950	GORK	22 GRF	0615.0	0625.1	18.4	1.6			
	3750	TYKW	21 GRF	0634.0	0637.0	135.0	4.0	2.0		
	9400	TYKW	20 GRF	0635.0	0639.0	35.0	8.0	4.0		
	2950	GORK	21 GRF	0635.1	0733.0	325.00	7.9			
	9100	GORK	21 GRF	0635.1	0737.7	117.0	29.0			
	1000	TYKW	45 C	0654.0	0657.3	8.0	2.0	.7		
	9400	TYKW	28 PRE	0712.0	0724.0	12.0	8.0	4.0		
	3750	TYKW	28 PRE	0714.0	0722.0	8.0	2.0	1.0		
	2840	PEKG	45 C	0718.0	0729.0	32.00	15.6	14.5		
	9300	KISV	28 PRE	0719.0	0720.4	3.0	10.0			
	9400	TYKW	5 S	0720.0	0720.3	1.5	5.0	2.0		
	8400	BERN	3 S	0720.0	0729.0	30.00	73.0			
	5200	BERN	3 S	0720.0	0729.0	30.00	79.0			
	3100	BERN	3 S	0720.00	0729.0	30.00	30.0			
	17000	NOBE	20 GRF	0720.7	0728.5	34.0	30.0			R
	9300	KISV	4 S/F	0721.7	0728.6	9.5	40.0			
	3100	CRIM	3 S	0721.8	0728.8	8.0	20.0	7.0		
	3750	TYKW	45 C	0722.0	0728.8	25.0	26.0	9.0		
	9400	TYKW	45 C	0724.0	0728.9	25.0	41.0	19.0		
	4995	LEAR	20 GRF	0725.1	0728.6	14.7	40.0			QL=6 ST=2 TYP=2
	8800	LEAR	20 GRF	0725.6	0728.8	13.5	45.0			QL=6 ST=2 TYP=2
	2902	YUNN	45 C	0725.6	0729.2	12.9	10.0			
	2000	TYKW	45 C	0726.0	0728.4	4.0	5.0	2.5		
	2950	GORK	45 C	0726.3	0727.6	5.0	5.8			
	2950	GORK		0726.3	0728.9		8.6			
	3000	IZMI	5 S	0726.5	0729.0	5.0	10.0	5.0		
	9100	GORK	45 C	0726.8	0727.6	4.7	19.0			
	9100	GORK		0726.8	0728.8		24.0			
	930	BORD	46 C	0727.0	0727.0	3.0	8.0	4.0		
	1000	TYKW	45 C	0727.0	0729.1	3.0	4.0	.5		
	15400	LEAR	20 GRF	0727.0	0728.8	4.5	23.0			QL=6 ST=2 TYP=2
	950	GORK	2 S/F	0727.0	0729.1	2.7	3.2			
	2695	LEAR	20 GRF	0728.5	0729.6	1.1	23.0			QL=6 ST=2 TYP=2
	2000	TYKW	30 PBI	0730.0		75.0	2.0			1.0
	9300	KISV	29 PBI	0731.0	0731.0	27.0	21.0			
	2902	YUNN	29 PBI	0738.5		31.5	3.0			
	3100	CRIM	29 PBI	0741.0	0741.0	229.0	9.0			
	3750	TYKW	30 PBI	0747.0		55.0	7.0	3.0		
	9400	TYKW	30 PBI	0749.0		45.0	11.0	5.0		
	9400	TYKW	5 S	0807.0	0815.0	20.0	4.0	2.0		
	3750	TYKW	20 GRF	0807.0	0818.0	30.0	2.0	1.0		
	2000	TYKW	20 GRF	0809.0	0817.0	30.0	1.5	.7		
	204	IZMI	4 S/F	0905.3	0906.1	1.5	110.0	55.0		
	930	BORD	40 F	0919.0	0928.0	144.0	17.0	6.0		
	930	BORD		0919.0	1034.2		32.0			
	950	GORK	22 GRF	0919.6	1034.0	157.00	10.7			
	808	ONDR	40 F	0924.0	0925.5	5.0				
	8400	BERN	3 S	0934.0	0934.5	2.0	36.0			
5200	BERN	3 S	0934.0	0934.5	2.0	21.0				
19600	BERN	3 S	0934.0	0934.5	2.0	70.0				
11800	BERN	3 S	0934.0	0934.5	2.0	105.0				
9300	KISV	8 S	0934.2	0934.5	.5	28.0				
9100	GORK	21 GRF	0957.2	1022.2	120.00	12.0				
9100	GORK	3 S	1032.0	1032.2	.5	49.0				
9300	KISV	8 S	1032.0	1032.3	.5	46.0				
9300	KISV	29 PBI	1032.5	1032.5	6.0	9.0				
2800	OTTA	20 GRF	1145.0	1200.0	45.0	2.2	1.1			
930	BORD	8 S	1212.4	1212.5	.3	37.0	1.0			
930	BORD	41 F	1226.1	1226.8	.8	14.0	1.0			
245	SGMR	47 GB	1445.3	1445.5	.5	160.0			QL=6 ST=2 TYP=5	
610	SGMR	47 GB	1445.3	1445.5	.5	169.0			QL=6 ST=2 TYP=5	
410	SGMR	47 GB	1445.3	1445.5	.5	95.0			QL=6 ST=2 TYP=5	
930	BORD	41 F	1515.0	1515.6	1.8	94.0	2.0			
610	SGMR	47 GB	1516.3	1516.3	.5	58.0			QL=6 ST=3 TYP=5	
245	SGMR	47 GB	1516.3	1516.6	.5	310.0			QL=6 ST=3 TYP=5	
410	SGMR	47 GB	1516.3	1516.6	.5	130.0			QL=6 ST=3 TYP=5	
15400	SGMR	47 GB	1610.8	1611.8	2.2	63.0			QL=6 ST=2 TYP=5	
11800	BERN	3 S	1611.2	1611.8	1.0	35.0				
19600	BERN	3 S	1611.2	1611.8	1.0	54.0				

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

15
Apr 85

APRIL 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		
25	930	BORD	40 F	1737.4	1737.5	.6	14.0	2.0		
	15400	PALE	8 S	1859.0	1859.1	.3	34.0			QL=6 ST=2 TYP=3
	2800	OTTA	22 CRF	1905.0	1930.0	45.0	1.8	0.9		
	15400	PALE	8 S	1907.3	1907.6	1.8	45.0			QL=6 ST=2 TYP=3
	2800	OTTA	22 GRF	2035.0	2048.0	20.0	4.0	2.0		
	2800	OTTA	21 GRF	2035.0	2105.0	55.0	4.4	2.2		
	15400	PALE	47 GB	2045.0	2046.1	10.6	44.0			QL=6 ST=2 TYP=5
	4995	PALE	8 S	2047.8	2048.1	.5	11.0			QL=6 ST=2 TYP=3
	3750	TYKW	20 GRF	2059.0E	2059.0U	30.00	4.0	2.00		
	2000	TYKW	20 GRF	2100.0E	2100.0U	35.00	2.0	1.00		
	9400	TYKW	20 GRF	2100.0E	2100.0U	60.00	8.0	4.00		
	3750	TYKW	21 GRF	2140.0	2215.0	175.0	4.0	2.0		
	2800	OTTA	21 GRF	2140.0	2300.0	175.0	8.4	4.0		
	9400	TYKW	5 S	2213.5	2214.4	3.5	5.0	2.0		
	9400	TYKW	5 S	2225.0	2225.2	1.0	5.0	1.0		
	3750	TYKW	45 C	2227.0	2236.7	40.0	21.0	9.0		
	2000	TYKW	45 C	2229.0	2235.3	35.0	17.0	3.0		
	9400	TYKW	45 C	2229.0	2236.4	42.0	19.0	10.0		
	2800	OTTA	22 GRF	2230.0	2236.7	18.0	12.8	5.4		
	1000	TYKW	45 C	2235.0	2242.3	10.0	7.0	1.0		
	500	HIRA	6 S	2241.7	2241.7	1.0	8.0	3.0		WL
	1000	TYKW	5 S	2257.5	2257.8	1.0	1.5	.5		
	2000	TYKW	29 PBI	2304.0		85.0	3.0	1.5		
	3750	TYKW	29 PBI	2307.0		60.0	6.0	3.0		
	9400	TYKW	29 PBI	2311.0		25.0	9.0	4.0		
9400	TYKW	45 C	2339.0	2339.4	3.0	6.0	1.5			
26	100	GORK	44 NS	0358.0E		474.00		40.0		
	200	GORK	44 NS	0400.0E		473.00		50.0		
	536	ONDR	44 NS	0546.0E		500.00	38.0			
	260	ONDR	44 NS	0546.0E		510.00	224.0			
	204	IZMI	44 NS	0600.0E		360.00	80.0			
	127	TORN	44 NS	0620.E		130.00		307.0		V=1
	430	KRAK	44 NS	0700.0E		360.00	10.0			
	410	SGMR	43 NS	1007.0	1902.8	788.00	69.0			QL=6 ST=2 TYP=1
	245	SGMR	43 NS	1007.0	1923.0	788.00	290.0			QL=6 ST=2 TYP=1
	245	PALE	44 NS	1622.0E	2252.1	718.00	200.0			QL=6 ST=2 TYP=1
	410	PALE	44 NS	1905.0E	1905.0	480.00	54.0			QL=6 ST=2 TYP=1
	200	HIRA	44 NS	1949.0E	2047.0	810.00	270.0	45.0		SL
	100	HIRA	44 NS	1949.0E	2053.0	810.00	2500.0U	270.0U		WL
	245	LEAR	43 NS	2246.0	0635.5	687.00	65.0			QL=6 ST=2 TYP=1
	245	LEAR	43 NS	2258.0	0004.3	647.00	110.0			QL=6 ST=2 TYP=1
	245	PALE	43 NS	2359.0	0209.8	270.00	82.0			QL=6 ST=2 TYP=1
	410	PALE	43 NS	2359.0	2359.5	270.00	19.0			QL=6 ST=2 TYP=1
	245	PALE	47 GB	0008.6	0009.1	1.0	110.0			QL=6 ST=2 TYP=5
	410	PALE	47 GB	0008.6	0009.1	1.2	350.0			QL=6 ST=2 TYP=5
	1000	TYKW	45 C	0013.0	0013.6	1.5	7.0	1.0		
	9400	TYKW	5 S	0022.0	0023.7	7.0	5.0	2.0		
	3750	TYKW	5 S	0022.5	0023.8	5.0	3.0	1.0		
	1000	TYKW	45 C	0023.0	0024.0	4.0	3.0	.5		
	9400	TYKW	45 C	0041.0	0041.6	3.0	5.0	2.0		
	3750	TYKW	20 GRF	0041.0	0048.0	30.0	1.5	.7		
	9400	TYKW	29 PBI	0044.0		15.0	2.0	1.0		
	9400	TYKW	45 C	0103.0	0106.6	9.0	5.0	1.0		
	3750	TYKW	20 GRF	0119.0	0125.0	50.0U	3.0	1.5		INTERFERENCE
	2000	TYKW	20 GRF	0119.0	0130.0	80.0	1.5	.7		
	9400	TYKW	20 GRF	0140.0	0200.0	50.0	4.0	2.0		
	1000	TYKW	45 C	0150.0	0200.2	15.0	9.0	.5		
	500	HIRA	24 R	0154.0	0356.0	435.00	30.0	10.0		ML
	410	LEAR	47 GB	0159.8	0200.1	.5	69.0			QL=6 ST=2 TYP=5
	410	PALE	47 GB	0159.8	0200.1	.5	110.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	0251.3	0251.8	.8	69.0			QL=6 ST=2 TYP=5
1000	TYKW	45 C	0304.0	0335.3	65.0	5.0	.5			
9100	GORK	20 GRF	0321.7	0349.5	130.0	19.0				
3750	TYKW	45 C	0334.5	0335.0	2.5	4.0	2.0			
2000	TYKW	5 S	0334.5	0335.1	1.5	3.0	1.0			
2950	GORK	1 S	0334.7	0335.1	6.0	2.3	1.1			
650	GORK	4 S/F	0334.8	0334.9	.6	45.0				
950	GORK	1 S	0334.8	0335.1	1.0	4.0	2.0			
610	PALE	47 GB	0335.0	0335.1	.3	65.0			QL=6 ST=2 TYP=5	
2000	TYKW	29 PBI	0336.0		15.0	1.0	.5			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

APRIL 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		
26	245	PALE	47 GB	0336.6	0336.8	.5	169.0			QL=6 ST=2 TYP=5
	3750	TYKW	29 PBI	0337.0		10.0	1.5	.7		
	650	GORK	22 GRF	0358.8E	0358.8	92.70	20.0			
	3750	TYKW	20 GRF	0415.0	0425.0	80.0	2.0	1.0		
	2000	TYKW	20 GRF	0415.0	0425.0	85.0	1.0	.5		
	2950	GORK	20 GRF	0416.4	0418.4	13.70	2.3			
	1000	TYKW	45 C	0428.0	0457.9	55.0	4.0	1.0		
	3750	TYKW	20 GRF	0610.0	0640.0	90.0	1.5	.7		
	1000	TYKW	45 C	0621.0	0626.5	9.0	2.0	1.0		
	3100	CRIM	26 FAL	0640.0	1130.0		5.0			
	1000	TYKW	45 C	0641.0	0646.8	11.0	2.5	1.0		
	410	LEAR	8 S	0657.3	0657.3	.3	36.0			QL=6 ST=2 TYP=3
	2950	GORK	20 GRF	0713.0	0713.2	19.0	1.0			
	2902	YUNN	20 GRF	0759.1	0807.7	21.8	6.0			
	9300	KISV	8 S	0810.2	0810.3	.5	22.0			
	9300	KISV	8 S	0810.6	0810.7	.5	58.0			
	245	LEAR	8 S	0819.8	0819.8	1.2	42.0			QL=1 ST=2 TYP=3
	29	UPIC	4 S/F	0933.5	0934.1	.8				
	33	UPIC	4 S/F	0933.7	0933.9	.5				
	930	BORD	40 F	1003.2	1003.8	.7	16.0	2.0		
	2950	GORK	20 GRF	1030.8	1054.0	51.0	2.0	1.0		
	430	KRAK	42 SER	1055.5	1056.2	35.0	28.0			
	430	KRAK		1055.5	1121.4		39.0			
	430	KRAK		1055.5	1122.4		25.0			
	430	KRAK		1055.5	1125.7		20.0			
	9300	KISV	40 F	1112.0	1112.4	16.0	5.0			
	9100	GORK	1 S	1119.8	1120.2	.9	4.0	2.0		
	29	UPIC	3 S	1143.2	1143.3	.2				
	33	UPIC	3 S	1143.2	1143.3	.4				
	9100	GORK	1 S	1154.9	1155.2	2.5	7.0	3.0		
	9300	KISV	2 S/F	1154.9	1155.3	2.0	7.0			
	930	BORD	8 S	1230.0	1230.0	.2	58.0	1.0		
	930	BORD	8 S	1404.6	1404.8	.4	83.0	2.0		
	2800	OTTA	20 GRF	1600.0	1715.0	195.0	3.4	1.7		
	3750	TYKW	20 GRF	2130.0	2155.0	60.0	1.0	.5		
	2695	PENT	21 GRF	2240.0	2300.0	170.0	10.4	4.6		
	3750	TYKW	45 C	2245.0	2300.0	45.0	9.0	6.0		
	2000	TYKW	45 C	2248.0	2258.7	42.0	7.0	3.5		
	9400	TYKW	21 GRF	2249.0	2300.0	130.0	6.0	3.0		RAIN
	2695	PENT	1 S	2250.0	2250.8	1.2	2.8	1.4		
1000	TYKW	21 GRF	2250.0	2300.0	130.0	1.5	.7			
2000	TYKW	30 PBI	2330.0		90.0	3.0	1.5			
3750	TYKW	30 PBI	2330.0		90.0	5.0	2.5			
245	PALE	4 S/F	2340.0	2342.0	2.1	46.0			QL=2 ST=2 TYP=3	
27	100	GORK	44 NS	0354.0E		408.00		40.0		
	204	IZMI	44 NS	0600.0E		360.00	50.0			
	127	TORN	44 NS	0620.0E	0820.0U	520.00	310.0	23.0		V=1
	260	ONDR	44 NS	0638.0E		452.00	39.0			
	200	HIRA	44 NS	1949.0E		100.00		2.0		0
	9400	TYKW	31 ABS	0059.0	0240.0	360.0	-8.0	-4.0		
	3750	TYKW	31 ABS	0100.0	0245.0	420.0	-4.0	-2.0		
	1000	TYKW	31 ABS	0100.0	0250.0	360.0	-2.0	-1.0		
	2000	TYKW	31 ABS	0100.0	0300.0	390.0	-3.0	-1.5		
	2950	GORK	20 GRF	0837.4	0900.5	97.5	1.6	.8		
	33	UPIC	42 SER	0901.0	0901.2	44.5				
	29	UPIC	42 SER	0901.2	0901.2	44.6				
	808	ONDR	8 S	1103.5	1103.5	.1				
	33	UPIC	42 SER	1142.5	1144.3	7.4				
	29	UPIC	42 SER	1143.0	1144.5	6.9				
	2800	OTTA	20 GRF	1220.0	1235.0	100.0	1.8	.9		
	2800	OTTA	20 GRF	1925.0	2200.0	325.0	7.0	3.5		
	500	HIRA	42 SER	2023.0	2050.0	35.0	230.0			MR
	1000	TYKW	45 C	2048.0E	2050.0	12.00	32.0	5.00		
	1000	TYKW		2048.0	2054.8		23.0			
410	SGMR	4 S/F	2112.3E	2113.6	2.50	23.0			QL=1 ST=2 TYP=3	
245	SGMR	4 S/F	2112.6E	2113.6	2.20	18.0			QL=1 ST=2 TYP=3	
610	SGMR	47 GB	2112.8E	2113.6	1.50	86.0			QL=1 ST=2 TYP=5	
610	PALE	47 GB	2113.0	2113.6	1.1	119.0			QL=6 ST=2 TYP=5	
245	PALE	8 S	2113.6	2113.8	.5	20.0			QL=1 ST=2 TYP=3	
410	PALE	8 S	2113.6	2113.8	.5	56.0			QL=1 ST=2 TYP=3	

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

APRIL 1985

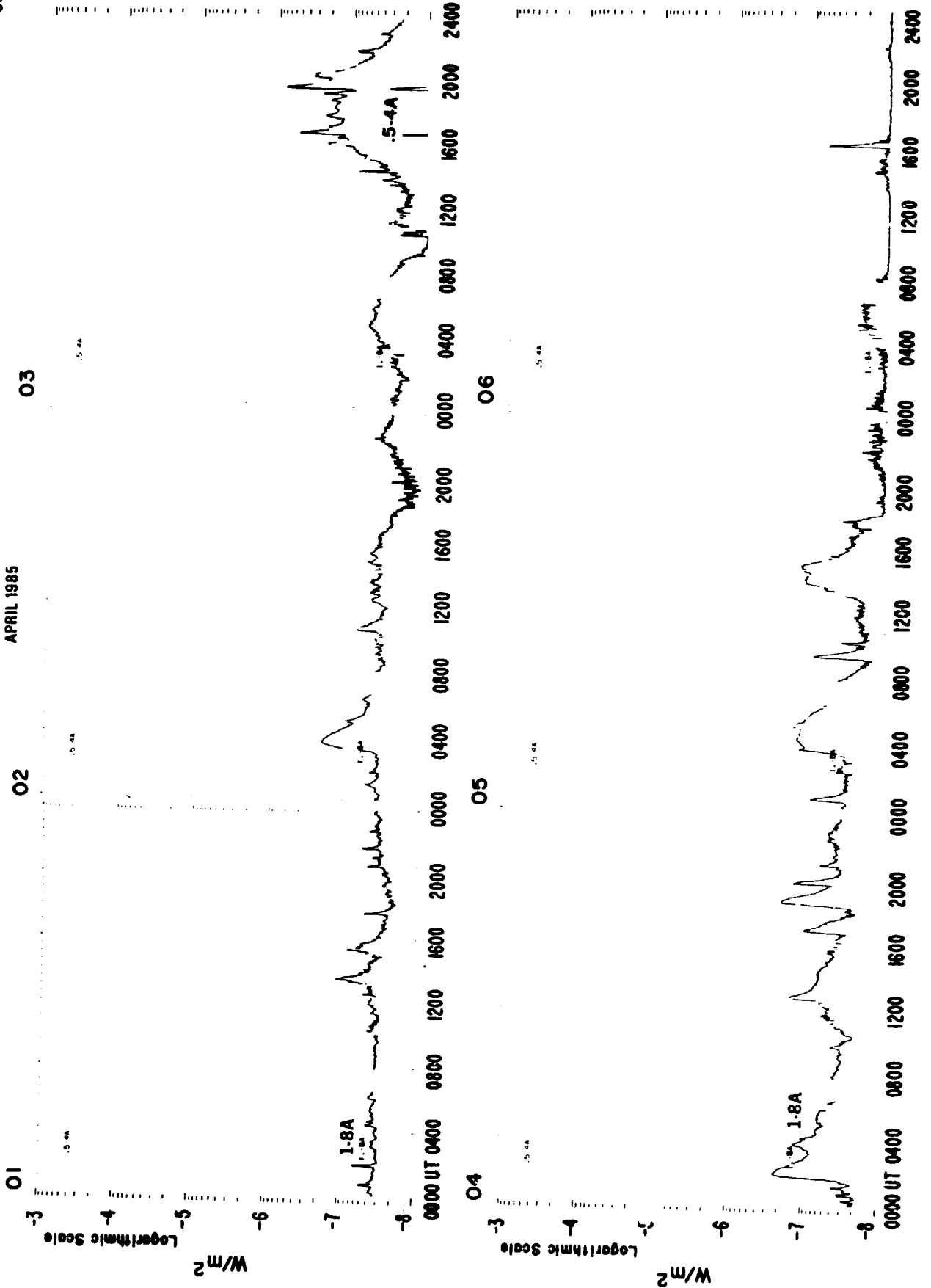
Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
28	250	ONDR	44 NS	0558.0E	1149.0	492.00	102.0			
	127	TORN	43 NS	0811.0	0946.1	249.0	50.0	1.0		V=0
	245	LEAR	43 NS	2259.0	2259.5	644.00	39.0			QL=6 ST=2 TYP=1
	1000	TYKW	32 ABS	0120.0	0315.0	320.0	-1.0	-.5		
	2000	TYKW	32 ABS	0120.0	0510.0	370.0	-3.0	-1.5		
	9400	TYKW	32 ABS	0145.0	0315.0	225.0	-6.0	-3.0		
	3750	TYKW	32 ABS	0145.0	0315.0	300.0	-4.0	-2.0		
	204	IZMI	41 F	1139.0	1144.1	13.5	1700.0			
	2800	OTTA	20 GRF	2050.0	2215.0	140.0	2.6	1.3		
	9400	TYKW	21 GRF	2140.0	2155.0	100.0	2.0	1.0		
	2000	TYKW	20 GRF	2140.0	2205.0	90.0	1.0	.5		
	3750	TYKW	21 GRF	2140.0	2205.0	90.0	2.0	1.0		
	9400	TYKW	45 C	2212.0	2212.0	2.0	21.0	6.0		
	3750	TYKW	5 S	2212.0	2212.9	4.0	3.0	1.0		
9400	TYKW	29 PBI	2214.0		20.0	2.0	1.0			
500	HIRA	8 S	2343.1	2343.2	.5	6.0			0	
29	127	TORN	43 NS	0756.0	0943.2	160.0	10.0	1.0		V=1
	260	ONDR	44 NS	0920.0E	0928.0	482.00	12.0			
	208	VORO	44 NS	2200.0E		240.00		14.0		
	9400	TYKW	32 ABS	0355.0	0425.0	85.0	-2.0	-1.0		
	3750	TYKW	32 ABS	0400.0	0445.0	170.0	-2.0	-1.0		
	2000	TYKW	32 ABS	0400.0	0500.0	170.0	-1.0	-.5		
	1000	TYKW	45 C	0436.8	0437.4	1.0	9.0	1.0		
	9300	KISV	2 S/F	0529.2	0529.7	1.0	10.0			
	2950	GORK	20 GRF	0622.3	0900.0	340.00	2.5			
	8800	LEAR	8 S	0651.8	0652.0	.3	8.0			QL=6 ST=2 TYP=3
	15400	LEAR	8 S	0651.8	0652.0	.3	18.0			QL=6 ST=2 TYP=3
	808	ONDR	8 S	0927.8	0927.8	.3				
	536	ONDR	8 S	0928.0	0928.0	.3	34.0			
	536	ONDR	8 S	0945.0	0945.0	.1	16.0			
	808	ONDR	8 S	0945.5	0945.6	.3				
	9300	KISV	20 GRF	1000.5	1030.6	40.0	10.0			
	3100	CRIM	29 PBI	1022.0	1022.0	120.0	40.0	13.0		
	930	BORD	8 S	1207.3	1207.5	.3	23.0	1.0		
	9300	KISV	1 S	1217.5	1217.7	1.0	5.0			
2800	OTTA	20 GRF	1420.0	1450.0	50.0	1.2	.6			
930	BORD	8 S	1502.4	1502.7	.4	73.0	1.0			
2800	OTTA	20 GRF	1755.0	1835.0	95.0	2.6	1.5			
2800	OTTA	20 GRF	1955.0	2050.0	115.0	2.4	1.2			
30	260	ONDR	43 NS	1152.0	1222.5	100.0	1.0			
	9400	TYKW	5 S	0000.0	0000.4	1.0	6.0	3.0		
	9400	TYKW	29 PBI	0001.0		10.0	2.0	1.0		
	2950	GORK	20 GRF	0319.2	0355.5	153.0	2.4			
	9100	GORK	21 GRF	0321.0E	0358.4	69.00	26.0			
	9400	TYKW	5 S	0412.0	0413.1	3.0	13.0	6.0		
	9395	PEKG	3 S	0412.0	0413.2	5.0	5.6			
	9100	GORK	1 S	0412.3	0412.9	1.5	11.0	5.0		
	8800	LEAR	8 S	0412.8	0413.0	.3	13.0			QL=6 ST=2 TYP=3
	9400	TYKW	29 PBI	0415.0		15.0	4.0	2.0		
	9100	GORK	1 S	0416.9	0417.4	1.1	5.0	2.0		
	9400	TYKW	5 S	0513.0	0513.7	2.0	3.0	1.0		
	2950	GORK	20 GRF	0604.5	0654.0	60.00	1.3			
	9300	KISV	2 S/F	0725.1	0726.2	3.5	7.0			
	930	BORD	8 S	0957.0	0957.0	.4	29.0	1.0		
	930	BORD	8 S	1203.4	1203.5	.5	59.0	2.0		
	9400	TYKW	5 S	2343.6	2344.0	2.4	14.0	5.0		
17000	NOBE	7 C	2343.8	2344.2	15.0	56.0			0	
9400	TYKW	29 PBI	2346.0		10.0	2.0	1.0			

Reports are received routinely from the following observatories:

- | | | | |
|------------------|-------------------|------------------|----------------------|
| ATHN = Athens | HUAN = Huacayo | NAGO = Nagoya | POTS = Potsdam |
| BERN = Berne | IRKU = Irkutsk | NOBE = Nobeyama | SAOP = Sao Paulo |
| BORD = Bordeaux | IZMI = Izmir | ONDR = Ondrejov | SGMR = Sagamore Hill |
| CRIM = Crimea | KISV = Kislovodsk | OTTA = Ottawa | TORN = Torun |
| DWIN = Dwingeloo | KRAK = Krakow | PALE = Palenhu | TYKW = Toyokawa |
| GORK = Gorky | LEAR = Learmonth | PEKG = Peking | TRST = Trieste |
| HIRA = Hiraiso | MANI = Manila | PENT = Penticton | UPIC = Upice |
| | | | VORO = Voroshilov |

GOES 6 X-RAYS

APRIL 1985



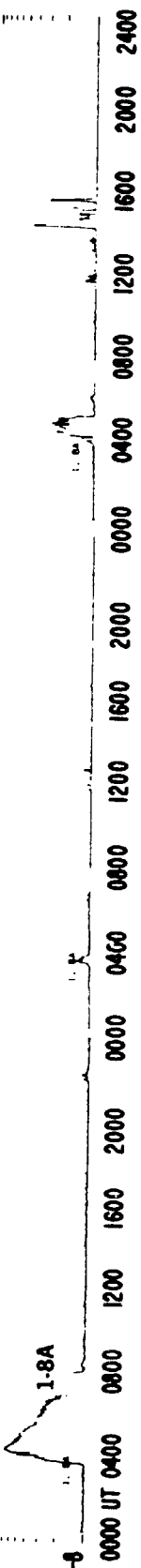
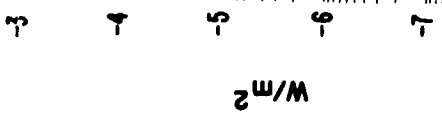
GOES 6 X-RAYS

APRIL 1985

07

08

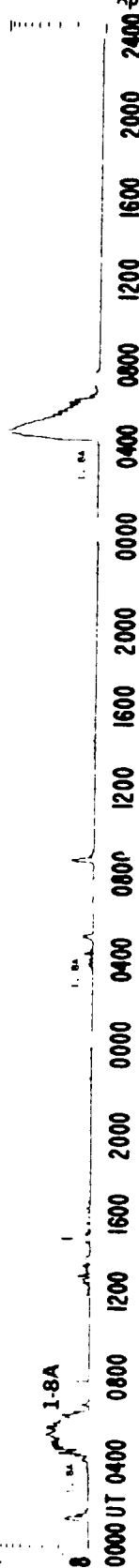
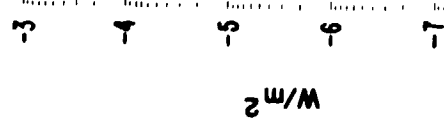
09



10

11

12



19
Apr 85

GOES 6 X-RAYS

APRIL 1985



GOES 6 X-RAYS

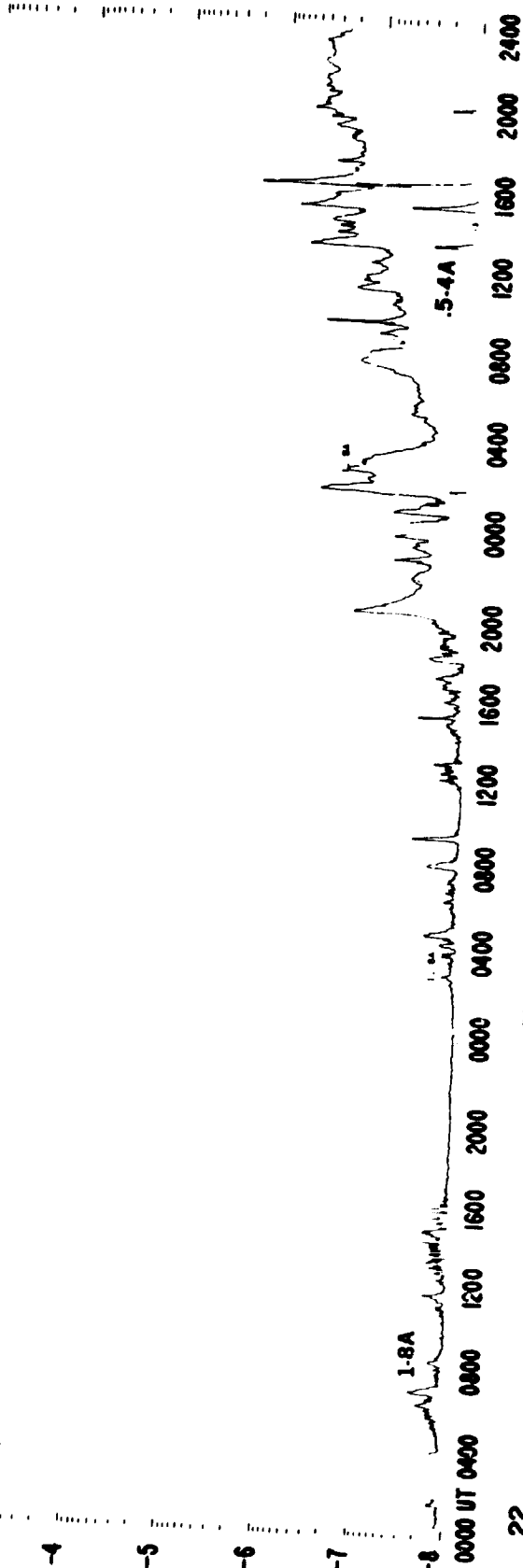
APRIL 1985

19

20

Logarithmic Scale
W/m²
-3
-4
-5
-6
-7
-8

21

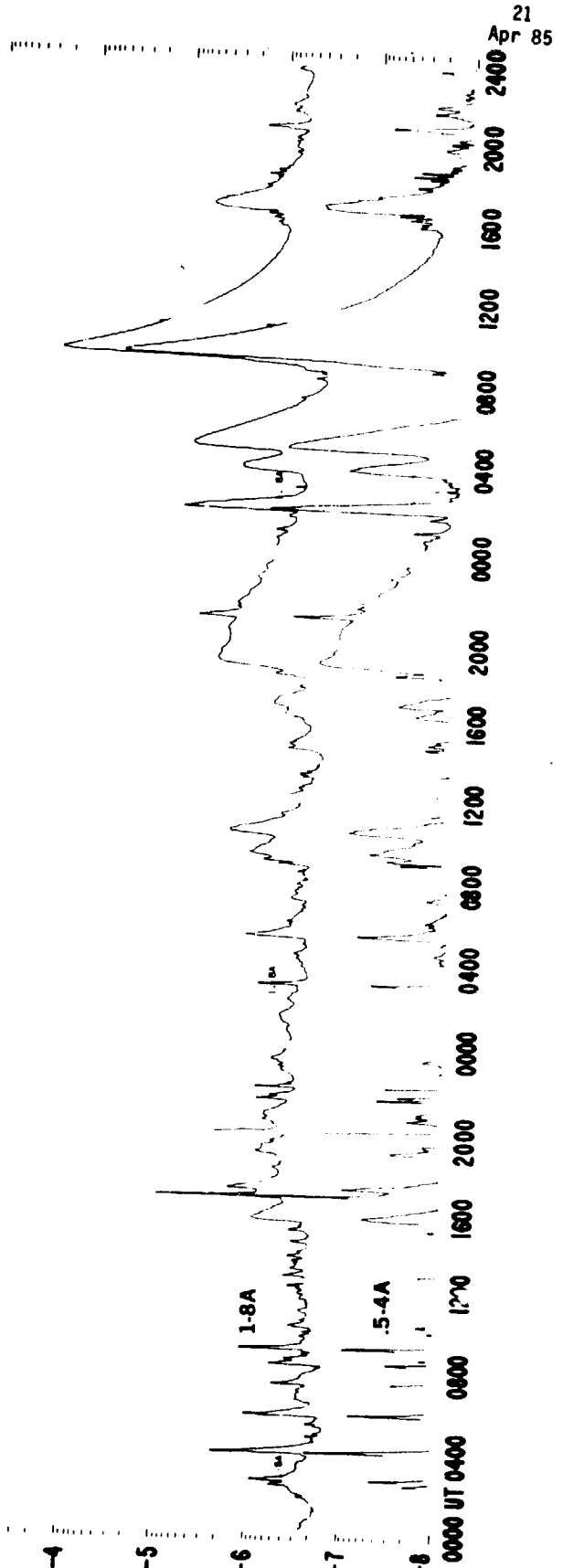


22

23

Logarithmic Scale
W/m²
-3
-4
-5
-6
-7
-8

24



21
Apr 85

GOES 6 X-RAYS

APRIL 1985

26

25

-3

-4

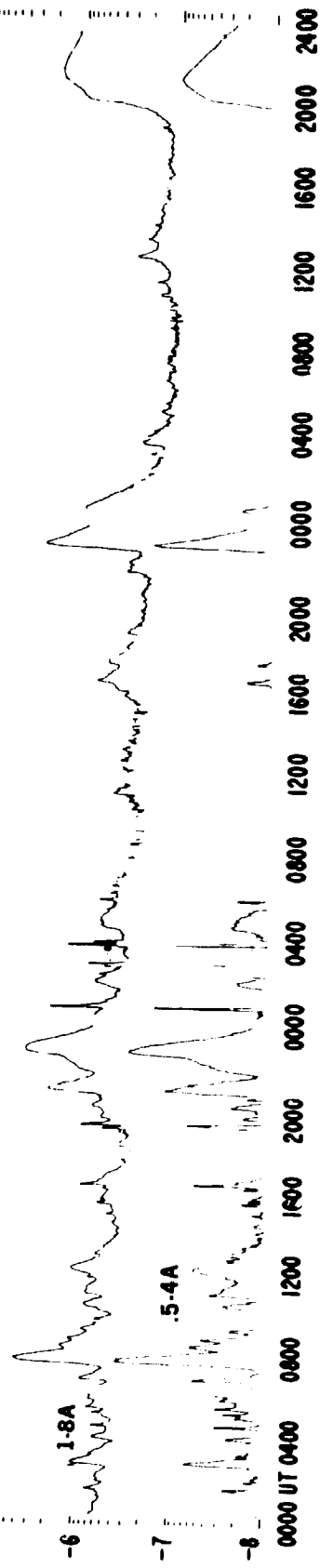
-5

-6

-7

W/m²

Logarithmic Scale



27

1.0

29

28

-3

-4

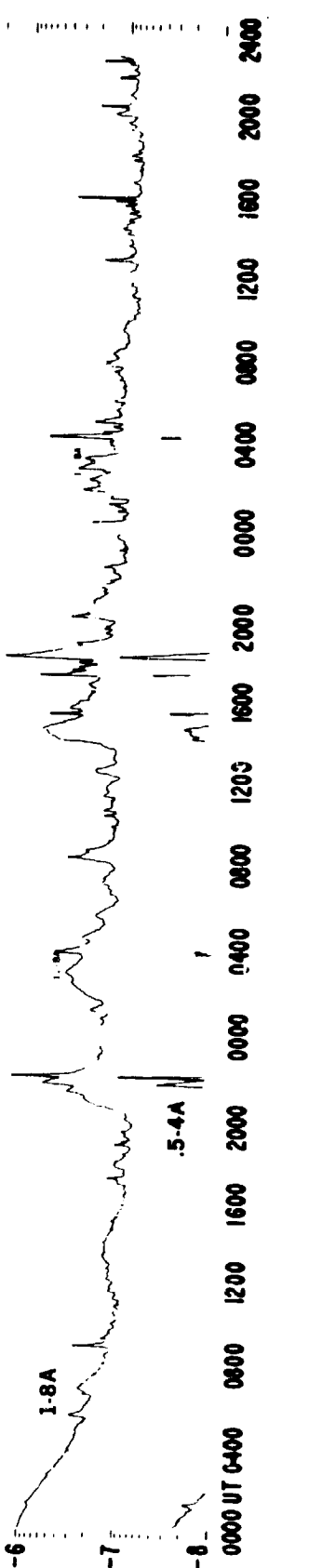
-5

-6

-7

W/m²

Logarithmic Scale



GOES SOLAR X-RAY FLARES
 Preliminary Listing

23
 Apr 85

April 1985

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
01	1234	1331	1430	S26	E48	4640	SF	B1.0
02	0309	0332	0411					B1.9
03	1612	1615	1622	N06	W73	4637	SF	B2.1
03	1643E	1653	1715	N03	W69	4637	SN	B5.4
03	1914	1917	1925	N08	W75	4637	SF	B2.7
03	1931	1938	1947					B8.3
03	2015	2020	2034					B3.6
04	0143	0155	0248	S26	E16	4640	SF	B2.5
04	1243	1253	1306					B1.4
04	1834	1846	1907					B2.1
04	1951	1956	2022	S26	E05	4640	SN	B1.6
05	0335	0339	0346					B1.3
14	0246	0333	0412					B1.9
20	2002	2011	2023					B1.6
21	0222	0234	0240					B2.0
21	0941	0944	0946					B4.2
21	1040E	1144	1222	N07	E62	4647	SN	B1.8
21	1141	1145	1202			4647		B1.6
21	1248	1327	1447	N04	E62	4647	SN	B6.0
21	1401	1404	1408			4647		B3.0
21	1420	1423	1428			4647		B2.8
21	1434	1439	1450			4647		B3.4
21	1512	1521	1530					B7.7
21	1616	1624	1645D	N04	E62	4647	SB	C2.1
21	1725E	1719	1725	N04	E60	4647	SF	B3.7
21	1728	1732	1736			4647		B3.4
21	1914	1914	1958	N04	E59	4647	SF	B4.1
21	2000	2007	2111	N04	E58	4647	SF	B6.5
22	0213	0217	0223					B5.6
22	0227	0231	0234					B9.5
22	0351	0352	0403	N02	E54	4647	SN	C2.4
22	0539	0547	0552			4647		C1.1
22	0716	0720	0724					B6.0
22	0813	0820	0827					B6.1
22	0903	0905	0914	N06	E56	4647	SN	C2.1
22	1006	1014	1020					B3.9
22	1243	1243	1303D	N03	E49	4647	SN	B4.9
22	1457	1501	1504					B4.0
22	1524	1538	1600					C1.0
22	1637	1640	1649	N05	E49	4647	SB	M1.0
22	1701	1703	1730D	N05	E47	4647	SB	C2.1
22	1852	1858	1903					B9.4
22	1947	1950	1952					C8.7
22	2015	2018	2020					B9.5
22	2129	2133	2137			4647		C1.0
22	2136	2137	2150	N04	E44	4647	SN	B7.3
22	2204	2208	2210					C1.2
23	0251	0251	0259	N06	E41	4647	SF	C1.1
23	0507	0517	0526					C1.4

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
23	0846	0852	0856					B6.9
23	0856	0925	0949					C1.4
23	1017	1038	1046	N03	E40	4647	SN	C2.2
23	1433	1438	1504					B5.7
23	1647	1654	1654					B8.0
23	2103	2110	2124	N04	E30	4647	SN	C5.5
24	0148	0159	0229	N03	E23	4647	1N	C8.8
24	0346	0353	0418	N04	E25	4647	SF	C2.2
24	0449	0451	0531	N05	E25	4647	SN	C7.4
24	0914E	0922	1050	N06	E27	4647	3B	X1.9
24	1600	1648	1744	N04	E20	4647	SB	C1.2
24	1642	1702	1725			4647		C5.4
24	1935	2058	2116	N04	E18	4647	SB	C1.9
25	0228	0230	0246	N04	E14	4647	SF	C1.0
25	0419	0423	0425					B6.2
25	0515	0516	0522	N03	E11	4647	SF	B6.9
25	0637	0639	0651	N05	E11	4647	SF	B8.4
25	0725	0729	0809	N05	E11	4647	SN	C4.2
25	1156	1209	1213					C1.0
25	1449	1612	1648	N05	E06	4647	SB	B9.4
25	1852	1859	1904	N04	E04	4647	SN	B5.9
25	1905	1909	1912					B9.1
25	1906	2046	2134D	N06	E03	4647	1B	C1.9
25	2225	2228	2230					C2.0
26	0024	0025	0035	N05	E02	4647	SN	C1.9
26	0233	0234	0236	N04	E02	4647	SF	B9.1
26	0326	0328	0334	N04	E01	4647	SN	C1.4
26	0540	0542	0546	N04	W00	4647	SN	B6.0
26	0918	0923	0926					B3.4
26	2247	2306	2331					C2.5
27	2003	2013	2054	N03	W23	4647	SN	C1.0
28	0858	0903	0906					B3.1
28	2146	2153	2209D	N03	W37	4647	SF	B6.6
29	0337	0340	0348	N09	W39	4647	SF	B4.9
29	1405	1438	1440					B6.7
29	1518	1523	1525					B6.0
29	1710	1714	1718					B7.4
29	1747	1751	1756					B2.9
29	1801	1805	1815	N02	W53	4647	SF	C1.9
29	1959	2003	2007					B3.7
29	2358	0001	0005					B2.9
30	0111	0140	0221					B2.7
30	0238	0242	0256					B3.0
30	0413	0413	0421	N03	W55	4647	SN	B6.2
30	0454	0459	0503					B1.9
30	1252	1256	1259					B1.7
30	2027	2030	2032					B2.1
30	2149	2153	2156					B1.2
30	2239	2242	2244					B1.9
30	2329	2333	2336					B2.8
30	2333	2345	0009	N05	W64	4647	SB	C2.0

24
Apr 85

MASS EJECTIONS FROM THE SUN

APRIL 1985

Sta	Day	Observed UT			Location		Freq or Wavelength	Kind of Event
		Start	Max	End	RA°	R/R ₀		
WEIS	Apr 22	1640.6		1642.5			Meter	II Harmonic
WEIS	Apr 22	1642.0		1644.5			Meter	II Harmonic
BLEN	Apr 24	0922.8		1459.0			Decimeter; meter	IV
BLEN	Apr 24		0923.5		0927.0		Meter	II
WEIS	Apr 24		0924.0		0930.0		Meter	IV dm
LEAR	Apr 24		0926.3		0947.0		Meter	IV
WEIS	Apr 24		0926.3		1423.0		Meter	IV Moving
WEIS	Apr 24	1039.0		1423.0		Meter	IV dm	
VORO	Apr 26	2116	E	2253	D 232	0.27	H-alpha	S
VORO	Apr 26	2258	E 2302 U	2346	D 232	0.27	H-alpha	S
VORO	Apr 26	2258	E 2302 U	2355	D 287	0.27	H-alpha	
KHAR	Apr 29	0909	E	0917	D 276	0.72	H-alpha	S
KHAR	Apr 29	0958	E	1028	D 276	0.74	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

BLEN = Bielen
 LEAR = Learmonth
 KHAR = Kharkov
 VORO = Voroshilov
 WEIS = Weissenau

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-spray 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

25
Apr 85

APRIL 1985

Type	Day	Observed UT Start End	Lat QND	Imp	Type	Sta	Remarks
ASR	Apr 01	0922 1400	S30 E90		V	ATHN	
BSL	Apr 01	0715 0725	S10 E90	1-	C	CATA	
BSL	Apr 01	0925 0930D	S43 E90	1-	C	CATA	
BSL	Apr 01	1120 1125	S63 W90	1-	C	CATA	
BSL	Apr 01	1125 1130	S23 W90	1-	C	CATA	
ADF	Apr 02	0957 1400	S25 E40		V	ATHN	
AFS	Apr 02	1244 1400	S22 E47		V	ATHN	
ASR	Apr 02	1318 1400	S17 W90		V	ATHN	
APR	Apr 03	0630 1400	N25 W90		V	ATHN	
BSL	Apr 03	0625E 0630D	S03 W90	1-	C	CATA	
BSL	Apr 03	0945 1000	N50 W90	1-	C	CATA	
AFS	Apr 04	0650 1400	S21 E21		V	ATHN	
BSL	Apr 04	0640 0645	N03 W90	1-	C	CATA	
SDF	Apr 04	0112 0158	S26 E16	1	C	CULG	Segments spread over 17 degrees. Flare associated.
BSL	Apr 05	0412 0700D	S19 E90	1	C	ABST	A, W (AFP-2).
BSL	Apr 05	0412 0513	S16 E90	1	C	ABST	A, W (AFP-2).
BSL	Apr 05	0900 0920	N06 W90	1-	C	CATA	
ADF	Apr 05	0714 2201	N12 E04	3	C	CULG	10 degrees overnight, faint filament.
BSL	Apr 05	1105 1115	S84 W90	1-	C	CATA	
ADF	Apr 06	0720 1400	S32 W11		V	ATHN	
AFS	Apr 06	0720 1400	S22 W04		V	ATHN	
ADF	Apr 06	0340 0714D	S34 W05	1	C	CULG	Fishhook shaped.
DSD	Apr 06	1250 1400	S23 W05		V	ATHN	
AFS	Apr 07	0700 1400	S16 E32		V	ATHN	
APR	Apr 07	0730 1200	N13 E90		V	ATHN	
ASR	Apr 07	0730 1200	N11 W90		V	ATHN	
AFS	Apr 07	0730 1200	S22 W13		V	ATHN	
BSL	Apr 07	0710 0720	S27 W90	1-	C	CATA	
ADF	Apr 07	0326 0530	S38 W17	3	C	CULG	Fishhook shaped, flare associated.
AFS	Apr 08	0615 1400	S17 E22		V	ATHN	
BSL	Apr 08	0640E 0700	N12 W90	1-	C	CATA	
BSL	Apr 08	0750E 0800	N11 W90	1-	C	CATA	
AFS	Apr 08	0158 0210	S03 E02		V	MANI	P
ADF	Apr 09	0940 1400	S05 W22		V	ATHN	
BSL	Apr 09	0820E 0825D	N08 W90	1-	C	CATA	
BSL	Apr 09	0935 0940D	N19 W90	1-	C	CATA	
BSL	Apr 09	0950E 0950D	N19 W90	1-	C	CATA	
ASR	Apr 09	1150 1210	S09 W90		V	ATHN	
BSL	Apr 09	1100 1110	N06 W90	1-	C	CATA	
APR	Apr 10	0820 1400	S22 E90		V	ATHN	
BSL	Apr 10	0745 0755	S35 W90	1-	C	CATA	
BSL	Apr 10	1140 1145D	N40 E90	1-	C	CATA	
BSL	Apr 12	0810 0820	S24 W90	1-	C	CATA	
ADF	Apr 13	1245 1400	S42 E12		V	ATHN	
APR	Apr 15	0650 1200	S23 E90		V	ATHN	
APR	Apr 15	0650 1200	N21 W90		V	ATHN	
DSD	Apr 19	0011 0041	N02 E63	1	C	CULG	.04 R, NW.
BSL	Apr 20	0855 0905	N68 W90	1-	C	CATA	
BSL	Apr 21	0540 0550	N43 W90	1-	C	CATA	
BSL	Apr 21	0730 0740D	N75 W90	1-	C	CATA	
BSL	Apr 21	0915 0935	S32 E90	1-	C	CATA	
BSL	Apr 21	0925 0945	N08 W90	1-	C	CATA	
BSL	Apr 21	0935 0945	N24 W90	1-	C	CATA	
AFS	Apr 21	1125 1128	N04 E64		V	ATHN	
BSL	Apr 21	1015 1030	N29 W90	1-	C	CATA	

26
Apr 85

ACTIVE PROMINENCES AND FILAMENTS

APRIL 1985

Type	Day	Observed UT		Lat	CND	Imp	Type	Sta	Remarks
		Start	End						
DSD	Apr 22	0740	1400	N05	E55		V	ATHN	
BSL	Apr 22	0935E	0940	S15	W90	1-	C	CATA	
ADF	Apr 22	1145	1400	S17	W05		V	ATHN	
DSD	Apr 23	0615	1055	N02	E40		V	ATHN	
ADF	Apr 23	0615	1055	S17	W15		V	ATHN	
AFS	Apr 23	0624	1055	N05	E42		V	ATHN	
ADF	Apr 23	0710	1055	S10	E02		V	ATHN	
ADF	Apr 24	0630	1400	N13	E25		V	ATHN	
ADF	Apr 24	0630	1400	N08	E29		V	ATHN	
DSD	Apr 24	0950	1020	N01	E25		V	ATHN	
BSL	Apr 24	0755E	0815D	S24	W90	1-	C	CATA	
AFS	Apr 24	1100	1400	N05	E23		V	ATHN	
DSD	Apr 24	1005	1025D	N01	E18	1	C	CATA	
ADF	Apr 25	0941	1400	N03	E05		V	ATHN	
APR	Apr 25	0941	1400	S25	E90		V	ATHN	
AFS	Apr 26	0600	0930	N05	W02		V	ATHN	
DSD	Apr 26	0605	0930	N09	W03		V	ATHN	
DSD	Apr 26	0655	0930	N01	W05		V	ATHN	
ASR	Apr 27	0630	1400	S05	W90		V	ATHN	
AFS	Apr 27	0643	1400	N06	W12		V	ATHN	
BSL	Apr 27	0650E	0705	N04	E90	1-	C	CATA	
BSL	Apr 27	0830	0900	S27	W90	1-	C	CATA	
BSL	Apr 27	0845	0900	N72	W90	1-	C	CATA	
BSL	Apr 27	0945	1000	S05	W90	1	C	CATA	
BSL	Apr 27	0945	1015	S11	W90	1-	C	CATA	
BSL	Apr 27	1030	1030D	S04	E90	1-	C	CATA	
BSL	Apr 27	1045	1050D	S04	E90	1-	C	CATA	
ASR	Apr 27	2102E	0710D	N03	W33		C	CULG	.09-.10 R, WSW.
DSD	Apr 27	2143E	2157	N04	W31	1	C	CULG	
APR	Apr 28	0204E	0704D	S29	E90	2	C	CULG	6 degrees, .04 R.
DSD	Apr 28	0204E	0235	N04	W33	1	C	CULG	.07-.08 R, WSW.
DSD	Apr 28	0516	0532	N04	W33	1	C	CULG	.08 R, WSW.
DSD	Apr 28	0542	0558	N04	W33	1	C	CULG	.07-.08 R, WSW, B.
DSD	Apr 28	0652	0710D	N03	W35	1	C	CULG	.08-.09 R, WSW.
ADF	Apr 28	2148E	0706	S29	E70	2	C	CULG	24 square degrees.
ASR	Apr 28	2148E	2342	N01	W42		C	CULG	B.
BSL	Apr 29	0810	0820	S85	E90	1-	C	CATA	
ADF	Apr 29	0706	0046	S29	E70	3	C	CULG	24 degrees overnight.
ADF	Apr 30	0630	1400	N06	W53		V	ATHN	
APR	Apr 30	0630	1400	S35	E90		V	ATHN	
DSD	Apr 30	0805	1400	N08	W59		V	ATHN	
APR	Apr 30	0920	1400	N35	E90		V	ATHN	
ADF	Apr 30	0400U	0600U	N06	W56	2	C	CULG	
APR	Apr 30	1340	1400	N10	E90		V	ATHN	

C O N T E N T S

Comprehensive Reports DATA FOR JANUARY - JUNE 1984 Number 494 Part II

	Page
SOLAR FLARES January 1984	
H-alpha Flares (Preliminary Data)	28 - 45
Intervals of no flare patrol observation	46
SOLAR FLARES February 1984	
H-alpha Flares (Preliminary Data)	47 - 69
Intervals of no flare patrol observation	70
SOLAR FLARES March 1984	
H-Alpha Flares (Preliminary Data)	71 - 90
Intervals of no flare patrol observation	91
SOLAR FLARES April 1984	
H-alpha Flares (Preliminary Data)	92 -116
Intervals of no flare patrol observation	117
SOLAR FLARES May 1984	
H-alpha Flares (Preliminary Data)	118-142
Intervals of no flare patrol observation	143
SOLAR FLARES June 1984	
H-Alpha Flares (Preliminary Data)	144-153
Intervals of no flare patrol observation	154
NUMBER OF FLARES August 1966 - June 1984	155

H - ALPHA SOLAR FLARES

29
Jan 84

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Time (UT)	Area Measurement		Remarks	
														(10 ⁻⁶ Disk)	Apparent (Sq Deg)		Corr
			05 2230		2245		No Flare Patrol										
			06 0704		0738		No Flare Patrol										
			06 0757		0811		No Flare Patrol										
			06 0820		0821		No Flare Patrol										
0022	KANZ	06	0909	0916	0930	S04 E71	4389	01	11.7	21	SB						
0023	KANZ	06	1108	1112	1116	S05 E68	4389	01	11.5	8	SB						
			06 1547		1636		No Flare Patrol										
0024	RAMY	06	1648	1651	1655	S04 E65	4389	01	11.5	7	SN					26	
			06 1656		1809		No Flare Patrol										
0025	RAMY	06	1936	1936	1948	S02 E66	4389	01	11.7	12	SF						18
0026	LEAR	08	0937	0939	0940	S06 E48	4389B	01	12.0	3	SF						25
0027	LEAR	08	0954	0955	1000	S06 E48	4389B	01	12.0	6	SF						20
			08 1721		1733		No Flare Patrol										
			08 1944		1957		No Flare Patrol										
			09 1401		1421		No Flare Patrol										
			09 1437		1452		No Flare Patrol										
			09 1459		1508		No Flare Patrol										
			09 1512		1540		No Flare Patrol										
			09 1549		1604		No Flare Patrol										
			09 1721		1809		No Flare Patrol										
0028		09	19221	19223	1930	S16 W26	4388	01	7.8	8	SF						32
	RAMY	09	1922	1922	1929	S16 W26	4388	01	7.8	7	SF						33
	PALE	09	1923	1925	1932	S17 W26	4388	01	7.8	9	SF						30
0029		10	0852*	09503	1035	S06 E20	4389B	01	11.9	103	SN						138
	HTPR	10	0852	0950	1035	S05 E20	4389B	01	11.9	103	SN			0950			110
	KANZ	10	0945	0953	1021D	S06 E20	4389B	01	11.9	36D	SB						2
	LEAR	10	0946E	0953	0959D	S06 E21	4389B	01	12.0	13D	SN						2
0030	HTPR	10	1156	1159	1203	S15 E87	4393	01	17.1	7	SF			1159			20
0031		10	12011	12042	1217	S15 E68	4392	01	15.6	16	SF						51
	RAMY	10	1201	1204	1221	S15 E68	4392	01	15.6	20	SF						3
	HTPR	10	1202	1206	1213	S15 E67	4392	01	15.6	11	SF			1206			50
0032	HTPR	10	1227	1231	1240	S15 E87	4393	01	17.1	13	SN			1231			20
0033		10	1834*	1848	1910	S15 E79	4393	01	16.7	36	SF						26
	RAMY	10	1834	1848	1925	S15 E81	4393	01	16.9	51	SF						3
	PALE	10	1846	1848	1856	S15 E77	4393	01	16.6	10	SF						3
0034		10	20211	2026	2040	S16 E80	4393	01	16.9	19	SF						22
	HOLL	10	2021	2026	2040	S17 E82	4393	01	17.1	19	SF						3
	PALE	10	2022	2026	2101D	S15 E78	4393	01	16.7	39D	SF						3
0035	HOLL	10	2337	2338	2340	S17 E75	4393	01	16.7	3	SF						3
0036	LEAR	11	0327	0436	0617	S16 E74	4393	01	16.7	170	SF						3
0037	KANZ	11	0910	0914	0918	S15 E68	4393	01	16.5	8	SN						2
0038		11	0953*	1024*	1116	S16 E70	4393	01	16.7	83	SN						50
	HTPR	11	0953	1038	1135	S16 E71	4393	01	16.8	102	SN			1126			50
	HTPR	11	0953	1126	1135	S16 E71	4393	01	16.8	102	SN			1126			50
	KANZ	11	1020	1024	1039	S15 E68	4393	01	16.6	19	SN						2
0039	HTPR	11	1120	1124	1134	S17 W50	4388	01	7.7	14	SF			1124			40

30
Jan 84

H - ALPHA SOLAR FLARES

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
						Region	Lat							Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0040	RAMY	11	1247	1312	1357	S16	E69	4393	01	16.8	70	SN	3	C	24			
0041		11	1359*	1448*	1605	S16	E68	4393	01	16.7	126	SN			58		K	
	RAMY	11	1359	1448	1605	S16	E68	4393	01	16.7	126	SN	3	C	49		K	
	RAMY	11	1359	1543	1605	S16	E68	4393	01	16.7	126	SN	3	C	43		K	
	HOLL	11	1519	1545	1605	S16	E69	4393	01	16.9	46	SF	3	C	82			
0042	RAMY	11	1640	1645	1659	S16	E67	4393	01	16.8	19	SN	3	C	17			
0043		11	18227	18343	1858	S16	E67	4393	01	16.8	36	SN C 2.9			68		F	
	PALE	11	1822	1834	1858	S14	E66	4393	01	16.7	36	SN	3	C	114		F	
	HOLL	11	1826	1837	1901	S17	E67	4393	01	16.8	35	SN C 2.9	3	C	59			
	RAMY	11	1829	1837	1856	S16	E67	4393	01	16.8	27	SN C 2.9	3	C	30		F	
0044		11	19186	1921*	1943	S16	E65	4393	01	16.7	25	SN			20		F	
	HOLL	11	1918	1921	1945	S17	E66	4393	01	16.8	27	SF	3	C	27			
	RAMY	11	1924	1934	1941	S16	E64	4393	01	16.7	17	SN	3	C	13		F	
0045	RAMY	11	2008	2025	2045	S16	E65	4393	01	16.8	37	SN	3	C	27		F	
0046		11	2134	2141*	2202	S17	E64	4393	01	16.8	28	SN C 1.8			61		K	
	HOLL	11	2134	2141	2202	S17	E64	4393	01	16.8	28	SN C 1.8	3	C	62		K	
	HOLL	11	2134	2151	2202	S17	E64	4393	01	16.8	28	SN	3	C	60		K	
		11	2219		2229	No Flare Patrol												
0047	HOLL	11	2240	2244	2249	S15	E64	4393	01	16.8	9	SF	3	C	33			
0048		11	2301*	2304*	2444	S16	E62	4393	01	16.7	103	1N			126	3.1	K	
	LEAR	11	2301	2304	2609D	S16	E62	4393	01	16.7	188D	SF	3	C	109		K	
	LEAR	11	2301	2606	2609D	S16	E62	4393	01	16.7	188D	1N	3	C	236		K	
	HOLL	11	2303	2307	2313	S17	E64	4393	01	16.8	10	SF	3	C	20			
	YUNN	12	0204	0206	0215	S16	E62	4393	01	16.8	11	1N		C	141	3.1		
0049	YUNN	12	0416	0420	0437	S17	E60	4393	01	16.7	21	1N		C	110	2.3	T	
0050	YUNN	12	0456	0459	0512	S16	E60	4393	01	16.7	16	1N		C	126	2.6	T	
0051	YUNN	12	0612	0615	0630	S16	E60	4393	01	16.8	18	1N		C	126	2.6	T	
0052		12	0826*	0830*	0852	S16	E54	4393	01	16.4	26	1N			152	2.8	DET	
	YUNN	12	0826	0830	0846	S16	E57	4393	01	16.7	20	1N		P	126	2.4	DT	
	YUNN	12	0834	0840	0846	S16	E57	4393	01	16.7	12	SN		P	94	1.8	DT	
	HTPR	12	0836E		0844D	S16	E58	4393	01	16.7	8D	2N		C	0844	350	6.5	E
	KANZ	12	0836	0847	0903	S16	E50	4393	01	16.1	27	SF	2					
	HTPR	12	0844E		0844D	S15	E49	4393	01	16.1	27D	SN		C	0844	40	.6	
0053	KANZ	12	0844	0844	0859	S06	W04	4389B	01	12.1	15	SF	2					
0054	KANZ	12	0936	0936	0939	S17	E41	4392A	01	15.5	3	SF	2					
0055	RAMY	12	1222	1225	1252	S16	E56	4393	01	16.8	30	SF	3	C	45		F	
0056		12	16176	1623*	1703	S18	E38	4392A	01	15.6	46	SN			50		F	
	RAMY	12	1617	1623	1716	S18	E38	4392A	01	15.6	59	SN	3	C	60			
	HOLL	12	1623	1640	1650	S18	E38	4392A	01	15.6	27	SF	3	C	41		F	
0057	HOLL	12	1731	1733	1742	S17	E55	4393	01	16.9	11	SF C 1.3	3	C	20			
0058		12	1831	1832	1840	S12	E38	4392	01	15.6	9	SN			64		F	
	HOLL	12	1831	1832	1839	S12	E38	4392	01	15.6	8	SN	3	C	52		F	
	RAMY	12	1831	1832	1841	S12	E38	4392	01	15.6	10	SN	3	C	76		F	
0059	RAMY	12	1845	1845	1852	S16	E51	4393	01	16.6	7	SN	3	C	17			
0060		12	19111	19172	1940	S16	E52	4393	01	16.7	29	SB C 3.4			29		EF	
	HOLL	12	1911	1917	1920D	S17	E52	4393	01	16.7	9D	SN C 3.4	3	C	32		F	
	RAMY	12	1912	1919	1940	S16	E52	4393	01	16.7	28	SB C 3.4	3	C	26		FE	

H - ALPHA SOLAR FLARES

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks		
								USAF Region							Mo	Day	Time (UT)		Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)
			13 1952		2049			No Flare Patrol												
			13 2107		2109			No Flare Patrol												
			13 2157		2225			No Flare Patrol												
			13 2359		2400			No Flare Patrol												
			14 0000		0015			No Flare Patrol												
0077	LEAR	14	0517	0520	0529	S14	E14	4392	01	15.3	12	SF			3	C		33		
			14 0547		0550			No Flare Patrol												
0078		14	11552	12014	1211	S14	E10	4392	01	15.2	16	SN						73	1.2	
	CATA	14	1155	1205	1215	S14	E09	4392	01	15.2	20	S			1	C	1205	112	1.2	
	KANZ	14	1157	1201	1209	S14	E10	4392	01	15.2	12	SB			2					
	RAMY	14	1202E		1209	S14	E10	4392	01	15.2	7D	SF			3	C		34		
0079	RAMY	14	1510	1513	1534	S16	E27	4393	01	16.7	24	SB C	1.8		3	C		94	EF	
			14 1540		1620			No Flare Patrol												
			14 1655		1701			No Flare Patrol												
0080	RAMY	14	1705	1710	1720	S13	E08	4392	01	15.3	15	SN					3	C	49	
			14 1832		1953			No Flare Patrol												
0081		14	2017	2018	2031	S16	E23	4393	01	16.6	14	SF						96	F	
	RAMY	14	2017	2018	2027	S16	E20	4393	01	16.4	10	SF			2	C		96	F	
	HOLL	14	2017	2018	2035	S16	E26	4393	01	16.8	18	SF			3	C		97	F	
			14 2043		2053			No Flare Patrol												
			14 2100		2114			No Flare Patrol												
			14 2357		2400			No Flare Patrol												
			15 0000		0126			No Flare Patrol												
			15 0301		0309			No Flare Patrol												
			15 0320		0344			No Flare Patrol												
			15 0416		0443			No Flare Patrol												
			15 0536		0559			No Flare Patrol												
0082	KANZ	15	1139E	1139U	1143	S18	E18	4393	01	16.8	4D	SF					2			
0083		15	12444	12444	1302	S13	W03	4392	01	15.3	18	SN						21	F	
	RAMY	15	1244	1244	1257	S13	W03	4392	01	15.3	13	SN			3	C		21	F	
	KANZ	15	1248	1248	1306	S13	W03	4392	01	15.3	18	SN			2					
0084	RAMY	15	1541	1541	1551	S13	W05	4392	01	15.3	10	SN					3	C	27	
			15 1926		1932			No Flare Patrol												
0085		16	0128*	0135*	0204	S16	W01	4393	01	16.0	36	SF						60	1.2	DKT
	LEAR	16	0128	0135	0204	S16	W00	4393	01	16.1	36	SF			3	C		32		K
	LEAR	16	0128	0145	0204	S16	W00	4393	01	16.1	36	SF			3	C		37		K
	YUNN	16	0140	0145	0145D	S16	W02	4393	01	15.9	5D	SN					P	110	1.2	DT
0086		16	0336*	03545	0413	S16	W01	4393	01	16.1	37	SN						88	1.2	DTZ
	LEAR	16	0336	0359	0421	S17	E00	4393	01	16.2	45	SF			3	C		65		Z
	YUNN	16	0350	0354	0405	S16	W02	4393	01	16.0	15	SN					C	110	1.2	DT
			16 1110		1120			No Flare Patrol												
0087		16	16581	17015	1739	S16	W08	4393	01	16.1	41	SN						44		F
	RAMY	16	1658	1701	1756	S16	W08	4393	01	16.1	58	SN			3	C		50		F
	HOLL	16	1659	1706	1722	S15	W08	4393	01	16.1	23	SF			3	C		39		F
0088	HOLL	16	1926	1931	1936	S15	W01	4393	01	16.7	10	SF					3	C	36	F
			16 1958		2003			No Flare Patrol												
0089	LEAR	17	0200	0201	0204	S13	W19	4392	01	15.6	4	SF					3	C	24	

H - ALPHA SOLAR FLARES

33
Jan 84

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Region	Cmd								Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
			17 0410		0420	No Flare Patrol											
0090	RAMY	17	1737	1742	1749	S14 W31	4392	01	15.4	12	SN	3	C		59		
0091	RAMY	17	19173	19228	1950	S16 W28	4393	01	15.7	33	SF				51		F
	RAMY	17	1917	1922	1958	S16 W28	4393	01	15.7	41	SF	4	C		73		F
	HOLL	17	1920	1930	1942	S15 W27	4393	01	15.8	22	SF	3	C		29		F
			17 2154		2204	No Flare Patrol											
			17 2320		2322	No Flare Patrol											
			18 0316		0339	No Flare Patrol											
			18 0401		0427	No Flare Patrol											
			18 0439		0444	No Flare Patrol											
0092	YUNN	18	04544	04573	0516	S02 E57	4394	01	22.5	22	SN				48	1.2	F
	LEARN	18	0454	0457	0512	S03 E57	4394	01	22.5	18	SN				63	1.2	
	LEARN	18	0458	0500	0521	S02 E57	4394	01	22.5	23	SN	3	C		34		F
			18 0514		0526	No Flare Patrol											
			18 0535		0552	No Flare Patrol											
0093	HTPR	18	1010E		1023	S12 W42	4392	01	15.2	130	SF		C	1015	30	.4	
0094	HTPR	18	1157	1200	1209	S05 E54	4394	01	22.5	12	SF		C	1200	40	.7	E
0095	HTPR	18	1213	1233	1248	S12 W43	4392	01	15.3	35	SF		C	1233	30	.4	E
0096		18	1316*	1323*	1400	S11 W44	4392	01	15.2	44	SF				44	.8	EK
	HTPR	18	1316	1323	1401	S11 W43	4392	01	15.3	45	SN		C	1338	60	.8	EK
	RAMY	18	1345	1346	1356	S12 W45	4392	01	15.2	11	SF	3	C		29		
	KANZ	18	1347	1347	1403	S11 W43	4392	01	15.3	16	SF	2					
0097	KANZ	18	1318	1325	1329	S15 W37	4393	01	15.7	11	SF	2					
0098		18	1403	14061	1414	S14 W32	4393	01	16.2	11	SF				32		F
	RAMY	18	1403	1406	1415	S15 W33	4393	01	16.1	12	SF	3	C		32		F
	KANZ	18	1403	1407	1414	S14 W31	4393	01	16.2	11	SF	2					
0099		18	16478	16532	1705	S04 E50	4394	01	22.4	18	SF				25		F
	RAMY	18	1647	1653	1707	S03 E50	4394	01	22.4	20	SF	3	C		32		
	HOLL	18	1655	1655	1703	S05 E50	4394	01	22.4	8	SF	3	C		18		F
0100	LEARN	19	0440E	0445U	0451D	S18 W38	4393	01	16.3	110	SF	3	C		20		
0101	ABST	19	0652	0652	0653	S15 W54	4392	01	15.2	1	SF		P	0652	87	1.5	D
0102	ISTA	19	0716	0718	0735	N30 E90		01	26.4	19	SN						
0103		19	0827	08243	0838	S04 E35	4394	01	22.0	11	SF				105	1.4	E
	ABST	19	0822E	0824	0831D	S04 E33	4394	01	21.8	90	SF		P	0824	105	1.4	E
	KANZ	19	0827	0827	0838	S04 W7	4394	01	22.1	11	SF	2					
0104	KANZ	19	1019	1023	1027D	S06 E42	4394	01	22.6	80	SF	2					E
0105	RAMY	19	1155	1212	1234	S03 E38	4394	01	22.3	39	SF	3	C		38		F
0106	RAMY	19	1345	1346	1426	S04 E37	4394	01	22.3	41	SB C 1.6	3	C		123		
0107	RAMY	19	1358	1400	1418	S15 W49	4393	01	15.9	20	SF	3	C		37		
0108		19	1834	1837	1836	S16 W44	4393	01	16.4	2	SF				32		
	HOLL	19	1830E	1830U	1832	S16 W44	4393	01	16.4	20	SF	3	C		33		
	HOLL	19	1834	1837	1841	S16 W44	4393	01	16.4	7	SF	3	C		30		
0109	HOLL	19	1849	1851	1901	S14 W50	4393	01	16.0	12	SF	3	C		18		
0110	PALE	19	2012	2012	2037	S15 W50	4393	01	16.0	25	SF	3	C		20		F

H - ALPHA SOLAR FLARES

JANUARY 1984

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)		
0111	PALE	19	2043	2100	2116D	S15	W50	4393	01	16.1	33 ⁰	SF		3	C		28			
0112	PALE	19	2219	2220	2226	S15	W55	4393	01	15.8	7	SF		3	C		28			
0113	LEAR	20	0544	0544	0553	S16	W53	4393	01	15.2	9	SF		3	C		18			F
0114		20	0832	0901	0847	S06	E18	4396	01	21.7	15	SF					87	.9		D
	ISTA	20	0832		0847	S06	E18	4396	01	21.7	15	SF								D
	ABST	20	0901E	0901	0902 ⁰	S05	E17	4396	01	21.6	10	SF		P	0901		87	.9		D
0115		20	0857	0858 ³	0905	S15	W56	4393	01	16.1	8	SN C 1.4					61	1.6		D
	LEAR	20	0857	0858	0905	S16	W56	4393	01	16.1	8	SN C 1.4	3	C			35			
	ABST	20	0901E	0901	0902 ⁰	S14	W57	4393	01	16.1	10	SF		P	0901		87	1.6		D
0116	LEAR	20	1005	1005	1010	S05	E17	4396	01	21.7	5	SF		3	C		34			F
0117	HTPR	20	1045	1048	1100	S15	W59	4393	01	16.0	15	SF			C	1048	50	1.0		
0118		20	1332*	1401*	1543	S17	W62	4393	01	15.8	131	1N M 1.0					293	7.0		EFIKT
	RAMY	20	1332	1401	1604	S17	W63	4393	01	15.8	152	1N M 1.0	3	C			217			FK
	RAMY	20	1332	1410	1604	S17	W63	4393	01	15.8	152	1N	3	C			313			K
	HTPR	20	1350	1430	1500	S16	W60	4393	01	16.0	70	2N		C	1430		350	7.0		EIT
	KANZ	20	1408E	1408U	1425D	S17	W62	4393	01	15.9	170	1F	2							
0119	RAMY	20	1350	1352	1532	S12	W70	4392	01	15.3	102	SN		3	C		37			
0120	HTPR	20	1404	1409	1415	S06	E14	4396	01	21.6	11	SF			C	1409	50	.5		E
0121	HTPR	20	1455	1457	1513	S06	E14	4396	01	21.7	18	SF			C	1457	60	.6		E
0122		20	1737*	1740*	1800	S14	W62	4393	01	16.0	23	SN C 2.4					36			
	RAMY	20	1737	1740	1759	S15	W63	4393	01	16.0	22	SN C 2.4	3	C			41			
	HOLL	20	1756	1757	1800	S13	W62	4393	01	16.1	4	SF	3	C			30			
0123	RAMY	20	1930	1932	1941	S05	E12	4396	01	21.7	11	SN		3	C		24			
0124		20	19596	20071	2017	S16	W60	4393	01	16.3	18	SF					19			
	RAMY	20	1959	2008	2017	S18	W59	4393	01	16.3	18	SF		3	C		18			
	HOLL	20	2005	2007	2017	S13	W62	4393	01	16.1	12	SF		3	C		20			
0125	PALE	20	2130	2137	2143D	S04	E12	4396	01	21.8	130	SF		3	C		52			
0126		20	2159	2159	2158	S16	W62	4393	01	16.2	1439	SF					19			F
	HOLL	20	2132E	2143U	2153	S15	W64	4393	01	16.0	210	SF		3	C		22			F
	HOLL	20	2159	2159	2203	S18	W60	4393	01	16.3	4	SF		3	C		16			F
0127	HOLL	20	2204	2218	2223	S05	E09	4396	01	21.6	19	SF		3	C		24			
0128	HOLL	20	2243	2254	2309	S18	W61	4393	01	16.3	26	SF		3	C		25			
0129		20	23091	23102	2316	S06	E10	4396	01	21.7	7	SF C 1.2					43			
	HOLL	20	2309	2310	2313	S06	E10	4396	01	21.7	4	SF C 1.2	3	C			31			
	LEAR	20	2310	2312	2318	S07	E10	4396	01	21.7	8	SF C 1.2	3	C			55			
0130		20	23203	23261	2338	S14	W66	4393	01	16.0	18	SF					36			FU
	HOLL	20	2320	2327	2336	S13	W64	4393	01	16.1	16	SF		3	C		49			
	LEAR	20	2323	2326	2339	S16	W67	4393	01	15.9	16	SF		3	C		22			UF
0131	LEAR	21	0019	0022	0034	S16	W66	4393	01	16.0	15	SF		4	C		17			F
0132	LEAR	21	0342	0354	0444	S15	W69	4393	01	15.9	62	SF C 1.8	3	C			38			
0133	LEAR	21	0605	0610	0617	S16	W70	4393	01	15.9	12	SF		3	C		38			
0134		21	0721	0727	0732	S18	W70	4393	01	16.0	11	SN					43			
	LEAR	21	0721	0727	0734	S17	W70	4393	01	16.0	13	SF		3	C		39			
	YUNN	21	0726E	0726U	0730	S18	W71	4393	01	15.9	40	SN		P	0726		47			

H - ALPHA SOLAR FLARES

JANUARY 1984

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)		
0155		23	1456*	1537*	1602	N08	E85	4399	01	30.0	66	SN	C	2.0			25		F	
	HOLL	23	1456	1537	1607	N08	E88	4399	01	30.2	71	SN	C	2.0	3	C	28		F	
	RAMY	23	1533	1537	1547	N12	E77	4399	01	29.4	14	SN			3	C	13			
	RAMY	23	1555	1602	1613	N05	E90	4399	01	30.4	18	SN	C	1.9	3	C	34			
		23	1459		1503	No Flare Patrol														
		23	1643		1647	No Flare Patrol														
0156		23	18567	1905*	1919	N12	E76	4399	01	29.5	23	SF					14			
	PALE	23	1856	1905	1913	N13	E75	4399	01	29.4	17	SF			3	C	14			
	HOLL	23	1903	1915	1925	N11	E76	4399	01	29.5	22	SF			3	C	15			
0157		23	19165	19215	1934	N14	E54	4398	01	27.9	18	SF					18			
	PALE	23	1916	1926	1935	N15	E52	4398	01	27.7	19	SF			3	C	20			
	HOLL	23	1921	1921	1932	N13	E55	4398	01	27.9	11	SF			3	C	17			
0158		23	2029	2107*	2138	N07	E68	4400	01	28.9	69	SN	C	1.7			24		K	
	HOLL	23	2029	2107	2138	N07	E68	4400	01	28.9	69	SN	C	1.7	3	C	35		K	
	HOLL	23	2029	2129	2138	N07	E68	4400	01	28.9	69	SN	C	1.7	3	C	12		K	
0159	HOLL	23	2031	2031	2045	N13	E52	4398	01	27.8	14	SF			3	C	21			
		23	2222		2227	No Flare Patrol														
0160	LEAR	24	0011	0014	0023	N13	E74	4399	01	29.6	12	SF			3	C	13			
0161	LEAR	24	0159	0200	0206	N12	E72	4399	01	29.5	7	SF			3	C	33			
0162		24	0408*	0411*	0420	N12	E72	4399	01	29.6	12	SF	C	3.2			26		F	
	LEAR	24	0408	0411	0416	N11	E72	4399	01	29.6	8	SF	C	3.2	3	C	25		F	
	LEAR	24	0420	0421	0423	N12	E71	4399	01	29.5	3	SF			3	C	27		F	
0163	LEAR	24	0545	0545	0552	N12	E46	4398	01	27.7	7	SF			3	C	38			
0164		24	0622	06226	0634	S05	W29	4396	01	22.1	12	SF	C	2.2			76	1.0	D	
	ABST	24	0621E	0622	0626D	S05	W29	4396	01	22.1	5D	SF			P	0622	87	1.0	D	
	LEAR	24	0622	0628	0634	S05	W29	4396	01	22.1	12	SF	C	2.2	3	C	64			
0165	LEAR	24	0711	0714	0726	N16	F48	4398	01	27.9	15	SF	C	1.0	3	C	49			
0166	LEAR	24	0721	0723	0725	N12	E69	4399	01	29.5	4	SF			3	C	22			
		24	0804	0806	0817	N16	E47	4398	01	27.9	13	SF	C	2.3			112	1.7	EF	
	LEAR	24	0804	0806	0817	N17	E47	4398	01	27.9	13	SF	C	2.3	3	C	119		F	
	ABST	24	0805E	0806	0818D	N15	E47	4398	01	27.9	13D	SF			P	0806	105	1.7	E	
0168	LEAR	24	0823	0824	0830	N12	E66	4399	01	29.3	7	SF			3	C	19			
0169		24	0845	08573	0914	N17	E46	4398	01	27.9	29	1F	C	3.4			113	1.4	DE	
	LEAR	24	0845	0900	0918	N17	E46	4398	01	27.9	33	1F	C	3.4	3	C	177			
	ABST	24	0852E	0857	0901D	N19	E47	4398	01	27.9	9D	1F			P	0857	131	2.2	E	
	YUNN	24	0859E	0859U	0909	N16	E44	4398	01	27.7	10D	SN	C	3.4	P	0859	31	.5	D	
0170	LEAR	24	0947	0951	0955	N15	E44	4398	01	27.7	8	SF	C	1.9	1	C	47			
0171	LEAR	24	0950	0952	0955	N14	E66	4399	01	29.4	5	SF			1	C	19			
		24	1106		1141	No Flare Patrol														
		24	1148		1153	No Flare Patrol														
		24	1210		1229	No Flare Patrol														
		24	1241		1315	No Flare Patrol														
		24	1322		1325	No Flare Patrol														
		24	1328		1419	No Flare Patrol														
		24	1459		1511	No Flare Patrol														
			24	1818	1820	1827	N10	E63	4399	01	29.5	9	SF			3	C	14		
	0173		24	2022	2022	2032	S06	W37	4396	01	22.1	10	SN	C	1.1			78		FH
HOLL		24	2022	2022	2030	S05	W37	4396	01	22.1	8	SF	C	1.1	3	C	62		F	
PALE		24	2022	2022	2033	S06	W37	4396	01	22.1	11	SN	C	1.1	3	C	93		H	

H - ALPHA SOLAR FLARES

37
Jan 84

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF Region		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Time (UT)	Area Measurement		Remarks		
						Lat	Cmd								Apparent (10 ⁻⁶ rks)	Corr (Sq Deg)			
0174	HOLL	24	2132	2134	2148	S04	W39	4396	01	22.0	16	SF	3	C		28		F	
0175	HOLL	24	2210	2210	2216	S04	W38	4396	01	22.1	6	SF	3	C		21			
0176	LEAR	24	2335E	2335	2342	N13	E60	4399	01	29.5	7D	SF	3	C		22			
0177		25	00586	01015	0112	N12	E58	4399	01	29.4	14	SF				36			
	PALE	25	0058	0101	0110	N12	E58	4399	01	29.4	12	SF	3	C		44			
	LEAR	25	0104	0105	0113	N11	E58	4399	01	29.4	9	SF	3	C		29			
0178	LEAR	25	0140	0145	0147	S06	W41	4396	01	22.0	7	SF	C 1.1	3	C		37		
0179		25	01412	01451	0153	N13	E36	4398	01	27.8	17	SN				58	.8	EFT	
	YUNN	25	0141	0145	0154	N13	E35	4398	01	27.7	13	SN		C		63	.8	ET	
	LEAR	25	0143	0145	0202	N13	E36	4398	01	27.8	19	SF	3	C		53		F	
0180		25	0210	02125	021	N11	E58	4399	01	29.4	11	SF	C 1.0			49			
	PALE	25	0210	0212	0212	N10	E60	4399	01	29.6	12	SF	C 1.0	3	C		62		
	LEAR	25	0210	0217	0219	N12	E57	4399	01	29.4	10	SF	C 1.0	3	C		36		
0181	PALE	25	0242	0247	0259	S06	W42	4396	01	22.0	17	SF				44		F	
0182		25	0249*	0249*	0256	N15	E36	4398	01	27.8	7	SF				34	.6	DFT	
	PALE	25	0249	0249	0258	N16	E37	4398	01	27.9	9	SF	3	C		34		F	
	YUNN	25	0250E	0250U	0252	N13	E35	4398	01	27.7	2D	SN		P	0250	47	.6	DT	
	LEAR	25	0250	0251	0259	N16	E38	4398	01	28.0	9	SF	3	C		34			
	PALE	25	0306	0309	0311D	N15	E35	4398	01	27.8	50	SF	3	C		23		F	
0183		25	0253*	0256*	0259	N11	E56	4399	01	29.3	6	SF				23			
	LEAR	25	0253	0256	0259	N10	E57	4399	01	29.4	6	SF	3	C		30			
	PALE	25	0306	0310	0311D	N12	E56	4399	01	29.3	2D	SF	3	C		16			
0184		25	0303*	0307*	0350	S09	W46	4396	01	21.7	47	SF				60	1.3	FT	
	PALE	25	0303	0307	0311D	S08	W49	4396	01	21.4	8D	SF	3	C		52		F	
	YUNN	25	0345E	0345U	0350	S09	W41	4396	01	22.1	5D	SN		P	0345	94	1.3	T	
	LEAR	25	0345	0345	0350	S10	W49	4396	01	21.5	5	SF	3	C		35			
0185		25	0325*	0329*	0347	N16	E36	4398	01	27.9	22	SF				33	.4	DFT	
	YUNN	25	0325	0329	0341	N15	E36	4398	01	27.9	16	SN		P		31	.4	DT	
	LEAR	25	0332	0333	0336	N16	E36	4398	01	27.9	4	SF	3	C		33		F	
	LEAR	25	0343	0345	0403	N17	E37	4398	01	28.0	20	SF	3	C		36		F	
0186	ABST	25	0611E	0618	0648D	N14	E32	4398	01	27.7	37D	SN		P	0618	140	1.8	E	
0187	ABST	25	0624	0634	0648D	S07	W50	4396	01	21.5	24D	SN		P	0634	105	1.7	E	
0188		25	07143	07171	0722	N12	E32	4398	01	27.7	8	SN				78	1.5	FT	
	YUNN	25	0714	0717	0721	N13	E31	4398	01	27.6	7	SN		C		126	1.6	FT	
	LEAR	25	0717	0718	0722	N12	E32	4398	01	27.7	5	SF	3	C		30			
0189		25	07335	0736*	0839	N17	E27	4398	01	27.4	66	1N	C 3.9			218	2.0	DETUWZ	
	ABST	25	0733	0736	0754D	N20	E27	4398	01	27.4	21D	SN		P	0736	87	1.1	D	
	YUNN	25	0734	0737	0803D	N15	E28	4398	01	27.4	29D	1N		P		236	2.9	ETW	
	LEAR	25	0733	0757	0839	N16	E27	4398	01	27.4	61	1N	C 3.9	3	C		331		ZU
0190	LEAR	25	0756	0757	0804	N15	E19	4397	01	26.8	8	SF	3	C		52			
0191	HTPR	25	0845	0850	0859	N14	E33	4398	01	27.8	14	SF		C	0850	30	.3	E	
0192	HTPR	25	1008	1012	1042	N16	E33	4398	01	27.9	34	SN		C	1012	20	.2	E	
0193	HTPR	25	1102	1106	1116	N13	E17	4397	01	26.7	14	SN		C	1106	30	.3	F	
0194		25	1315*	14163	1433	S07	W56	4396	01	21.3	78	SF				50	1.2	E	
	HTPR	25	1315		1354D	S08	W55	4396	01	21.4	39D	SN		C	1325	80	1.5	E	
	RAMY	25	1416	1416	1431	S07	W57	4396	01	21.3	15	SF	3	C		19			
	HTPR	25	1416	1419	1435	S07	W57	4396	01	21.3	19	SF		C	1419	50	.9		

H - ALPHA SOLAR FLARES

JANUARY 1984

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CND	NOAA/ USAF Region	CMP Mo	Dur Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0195	HTPR	25	1516	1524	1538	N18	E24	4398	01	27.5	22	SF				C	1524	30	.3	
0196	RAMY	25	1523	1621	1704	S08	W58	4396	01	21.3	101	SN		3		C		30		
0197		25	1538	15452	1632	N14	E29	4398	01	27.8	54	SN						68		F
	RAMY	25	1538	1545	1631	N14	E28	4398	01	27.8	53	SN		3		C		65		F
	HOLL	25	1538E	1547	1632	N14	E30	4398	01	27.9	54D	SN		3		C		72		F
0198		25	17091	1712	1748	N14	E16	4397	01	26.9	39	SN	C 1.8					62		F
	HOLL	25	1709	1712	1812	N14	E17	4397	01	27.0	63	SN	C 1.8	3		C		69		
	RAMY	25	1710	1712	1724	N13	E14	4397	01	26.8	14	SN	C 1.8	3		C		56		F
0199	HOLL	25	1740	1741	1801	S15	E75	4402	01	31.4	21	SF						8		
0200	HOLL	25	1754	1754	1806	N10	E50	4399	01	29.5	12	SN						24		
0201	HOLL	25	1755	1755	1821	N12	E27	4398	01	27.8	26	SN						38		F
0202		25	1827*	1832*	1908	N15	E28	4398	01	27.9	41	SN						54		F
	HOLL	25	1827	1832	1906	N15	E31	4398	01	28.1	39	SN				3	C	33		F
	RAMY	25	1827	1835	1909	N15	E24	4398	01	27.6	42	SN				3	C	61		
	PALE	25	1838	1844	1908	N14	E28	4398	01	27.9	30	SF				3	C	67		
0203	PALE	25	1837	1852	1859	S09	W59	4396	01	21.3	22	SF						29		
0204	HOLL	25	1926	1926	1935	S06	W58	4396	01	21.5	9	SF						17		F
0205		25	1956	2010*	2138	N14	E28	4398	01	27.9	102	SF						118		FK
	HOLL	25	1956	2010	2138	N14	E28	4398	01	27.9	102	SF						137		K
	HOLL	25	1956	2031	2138	N14	E28	4398	01	27.9	102	SF						99		FK
0206		25	20587	20589	2112	N11	E47	4399	01	29.4	14	SN						32		
	RAMY	25	2058	2058	2104	N12	E47	4399	01	29.4	6	SN				3	C	38		
	HOLL	25	2059	2104	2115	N11	E50	4399	01	29.6	16	SF				3	C	32		
	RAMY	25	2105	2107	2117	N10	E44	4399	01	29.2	12	SN				3	C	27		
0207	HOLL	25	2155	2158	2207	S05	W61	4396	01	21.3	12	SN	C 2.0					44		
0208		25	22521	22531	2305	N17	E18	4397	01	27.3	13	SN						68		F
	HOLL	25	2252	2254	2306	N16	E19	4397	01	27.4	14	SN						103		F
	PALE	25	2253	2253	2304	N18	E16	4397	01	27.2	11	SF						34		F
0209		25	2255	2311*	2340D	S07	W61	4396	01	21.4	45D	SF						60		K
	HOLL	25	2255	2311		S06	W61	4396	01	21.4		SF				3	C	66		K
	HOLL	25	2255	2324		S06	W61	4396	01	21.4		SF				3	C	76		K
	LEAR	25	2328E		2340D	S08	W62	4396	01	21.3	12D	SF				3	C	37		
0210		25	2258	22592	2314	N10	E45	4399	01	29.3	16	SN						39		F
	HOLL	25	2258	2259	2316	N09	E46	4399	01	29.4	18	SN				3	C	47		F
	PALE	25	2258	2301	2311	N10	E44	4399	01	29.3	13	SN				3	C	31		F
0211		26	00353	00467	0134	N16	E26	4398	01	28.0	59	SB	M 3.6					147	2.1	EF
	MITK	26	0035	0047	0139	N16	E25	4398	01	27.9	64	1B						170	2.1	E
	PALE	26	0038	0046	0126	N16	E26	4398	01	28.0	48	SB	M 3.6			3	C	120		FE
	LEAR	26	0038E	0053	0138	N16	E28	4398	01	28.2	60D	SB				3	C	152		FE
0212	LEAR	26	0100	0107	0109	N18	E09	4397	01	26.7	9	SF						29		
0213	LEAR	26	0115	0115	0121	S07	W64	4396	01	21.2	6	SF						27		F
0214	LEAR	26	0129	0202	0213	N10	E44	4399	01	29.4	44	SF						61		F
0215		26	02591	0301	0317	N14	E08	4397	01	26.7	18	SN	C 2.3					141	2.1	EFT
	LEAR	26	0259	0301	0321	N14	E09	4397	01	26.8	22	SF	C 2.3			3	C	145		F
	PALE	26	0300	0301	0316D	N14	E08	4397	01	26.7	16D	SN	C 2.3			3	C	88		F
	YUNN	26	0301E	0301U	0313	N13	E08	4397	01	26.7	12D	1N	C 2.3			P	0301	189	2.1	ET
0216	LEAR	26	0341	0341	0347	N15	E23	4398	01	27.9	6	SF						20		

H - ALPHA SOLAR FLARES

39
Jan 84

JANUARY 1984

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	Area Measurement			Remarks		
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0217	LEAR	26	0442	0442	0445	N13	E24	4398	01	28.0	3	SF		3	C		49				
0218	LEAR	26	0448	0450	0505	N10	E42	4399	01	29.3	17	SN	C 2.0	3	C		53			F	
021:	26	0541*	05592	0604	N14	E44	4399	01	29.6	23	SN	C 2.5					79	1.3		EF	
	LEAR	26	0541	0601	0607	N14	E44	4399	01	29.6	26	SN	C 2.5	3	C		71			F	
	ABST	26	0558	0559	0602	N14	E43	4399	01	29.5	4	SN			C	0559	87	1.3		E	
0220	ABST	26	0600E	0607	0647J	S09	W68	4396	01	21.1	47D	IN			C	0607	140			E	
0221	ABST	26	0732	0733	0738	N15	E07	4397	01	25.8	6	SN			C	0733	114	1.3		E	
0222	ABST	26	0737	0741	0748	N10	E22	4400	01	28.0	11	SF			C	0741	105	1.2		EV	
0223	LEAR	26	0753	0754	0804	S05	W48	4394	01	22.7	11	SF		3	C		33				
0224	KANZ	26	0826	0833	0856	N19	E09	4397	01	27.0	30	SF									
0225	KANZ	26	0947	0947	0951	N14	E21	4398	01	28.0	4	SN									
0226	KANZ	26	1052	1052	1055	N10	E34	4399	01	29.0	3	SF									
0227	KANZ	26	1032	1055	1103	N11	E20	4398	01	27.9	11	SF									
0228	26	1148	1156A	1240	N15	E08	4397	01	27.1	52	SN	C 1.6					36			F	
	KANZ	26	1148	1156	1239	N15	E08	4397	01	27.1	51	SN			2						
	RAMY	26	1148	1200	1240	N15	E07	4397	01	27.0	52	SF	C 1.6	3	C		36			F	
0229	26	12002	12022	1208	N14	E14	4398	01	27.5	8	SN						31				
	KANZ	26	1200	1204	1208	N13	E13	4398	01	27.5	8	SN			2						
	RAMY	26	1202	1202	1209	N14	E16	4398	01	27.7	7	SN			3	C	31				
0230	RAMY	26	1252	1254	1305	N14	E40	4399	01	29.5	13	SF	C 1.8	3	C		28				
0231	RAMY	26	1302	1302	1309	N15	E18	4398	01	27.9	7	SN					20			F	
0232	HOLL	26	1440	1445	1522	N12	E00	4397	01	26.6	42	SN					119			F	
0233	26	1531E	1535	1545	N14	E14	4398	01	27.7	140	SN						69			F	
	RAMY	26	1531E	1535	1546	N14	E14	4398	01	27.7	150	SN			3	C	81			F	
	HOLL	26	1533E	1535U	1544	N14	E15	4398	01	27.8	110	SN			3	C	57			F	
0234	26	1532*	1534*	1627	S07	W67	4396	01	21.6	55	SN	C 4.2					51			FZ	
	RAMY	26	1532	1534	1655	S08	W62	4396	01	22.0	83	SN	C 4.2	3	C		51				
	HOLL	26	1533E	1533U	1540	S06	W70	4396	01	21.4	70	SF	C 4.2	3	C		28				
	HOLL	26	1622	1629	1646	S06	W70	4396	01	21.4	24	SB	M 2.1	3	C		73			ZF	
0235	HOLL	26	1542	1542	1559	N14	E06	4397	01	27.1	17	SN					20				
0236	26	1551	1601	1739	N12	E37	4399	01	29.4	108	SN						64			FK	
	HOLL	26	1551	1601	1739	N12	E37	4399	01	29.4	108	SN			3	C	75			K	
	HOLL	26	1551	1642U	1739	N12	E37	4399	01	29.4	108	SN			3	C	52			FK	
0237	HOLL	26	1621	1621	1626	N17	E00	4397	01	26.7	5	SN					21			F	
0238	HOLL	26	1721	1724	1736	S06	W69	4396	01	21.5	17	SN					27				
0239	HOLL	26	1747	1756	1806	N14	E13	4398	01	27.7	19	SF					44				
0240	HOLL	26	1920	1921	1929	N10	E34	4399	01	29.4	9	SN					26				
0241	HOLL	26	2035	2039	2100	N14	E04	4397	01	27.1	25	SF					36			F	
0242	HOLL	26	2057	2057	2102	S03	W74	4396	01	21.3	5	SN					19				
0243	HOLL	26	2100	2111	2138	N15	E13	4398	01	27.8	78	SN	C 2.9	3	C		101			F	
0244	HOLL	26	2123	2123	2126	S04	W75	4396	01	21.3	3	SN					16				

H - ALPHA SOLAR FLARES

JANUARY 1984

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)	
0245	LEAR	26	2324	2335	2358	N10	E32	4399	01	29.4	34	SF	3	C		52		
0246	26	2324*	2332*	2404	S06	W74	4396	01	21.4	40	SN				17		HK	
	HOLL	26	2324	2332	2348	S05	W74	4396	01	21.4	24	SF	3	C	12		K	
	HOLL	26	2324	2345	2348	S05	W74	4396	01	21.4	24	SN	3	C	13		HK	
	LEAR	26	2326	2333	2415	S08	W74	4396	01	21.4	49	SF	3	C	21		K	
	LEAR	26	2326	2344	2415	S08	W74	4396	01	21.4	49	SN	3	C	22		K	
	HOLL	26	2354	2405	2410	S05	W74	4396	01	21.5	16	SN	3	C	17			
	PALE	27	0002	0005	0008	S05	W74	4396	01	21.5	6	SF	3	C	15			
0247	26	2329B	2329*	2406	N13	E01	4397	01	27.0	37	SN	C 3.7			109		EFK	
	HOLL	26	2329	2329	2408	N14	E01	4397	01	27.0	39	SF	3	C	43		K	
	HOLL	26	2329	2341	2408	N14	E01	4397	01	27.0	39	SB	C 3.7	3	C	156		FEK
	LEAR	26	2333	2338	2407	N14	E01	4397	01	27.0	34	SB	C 3.7	3	C	184		F
	MITK	26	2337	2338	2402	N13	E01	4397	01	27.0	25	SN		C	2338		E	
	PALE	26	2356E	2356U	2406	N13	E00	4397	01	27.0	100	SF	3	C	52		F	
	LEAR	27	0027	0032	0057	S08	W76	4396	01	21.3	30	SF	3	C	33			
0249	27	00422	00427	0100	N11	E30	4399	01	29.3	18	SF				30			
	PALE	27	0042	0042	0104	N11	E28	4399	01	29.1	22	SF	3	C	37			
	LEAR	27	0044	0049	0057	N10	E32	4399	01	29.1	17	SF	3	C	23			
0250	27	00532	00544	0105	N14	E02	4397	01	27.2	12	SF				33			
	LEAR	27	0053	0054	0107	N14	E02	4397	01	27.2	4	SF	3	C	40			
	PALE	27	0055	0058	0103	N14	E02	4397	01	27.2	8	SF	3	C	26			
0251	LEAR	27	0101	0108	0109	N15	E09	4398	01	27.7	8	SF	3	C	51			
0252	27	0120*	0123*	0208	S08	W78	4396	01	21.2	48	SF				19		K	
	LEAR	27	0120	0123	0137	S08	W76	4396	01	21.3	17	SF	3	C	14			
	LEAR	27	0137	0146	0207	S08	W77	4396	01	21.3	30	SF	3	C	24			
	LEAR	27	0208	0208	0224	S07	W79	4396	01	21.2	16	SF	3	C	17		K	
	LEAR	27	0208	0223	0224	S07	W79	4396	01	21.2	16	SF	3	C	20		K	
0253	LEAR	27	0258	0307	0323	N13	W04	4397	01	26.8	25	SF	3	C	77			
0254	27	03172	0329	0346	N14	E08	4398	01	27.7	29	SN	C 5.2			100	1.4	E	
	LEAR	27	0317	0329	0351	N15	E08	4398	01	27.7	34	SN	C 5.2	3	C	73		
	YUNN	27	0319	0329	0341	N14	E07	4398	01	27.7	22	SN	C 5.2	C	126	1.4	E	
0255	LEAR	27	0331	0333	0358	N13	E33	4399	01	29.6	27	SF	3	C	26			
0256	LEAR	27	0529	0533	0536	N07	E15	4400	01	28.3	7	SF	3	C	32		F	
0257	27	0655	0659*	0744	N16	E11	4398	01	28.1	49	1B	M 1.1			267	3.5	CEF	
	LEAR	27	0655	0659	0752	N16	E10	4398	01	28.0	57	SB	M 1.1	3	C	106		F
	YUNN	27	0655	0709	0735	N15	E09	4398	01	28.0	40	1B	M 1.1	C	377	4.2	F	
	ATHN	27	0702E	0702U	0731D	N15	E13	4398	01	28.3	290	SN		3	V	0702	1.8	
	KODA	27	0715E	0719	0748D	N19	E12	4398	01	28.2	330	1B		P	0717	4.4	CE	
0258	27	10093	1013	1024	S06	W74	4396	01	21.9	15	SN				16	.4		
	WEND	27	1009	1013	1026	S07	W85	4396	01	21.0	17	SN		C	1013	15		
	WEND	27	1012	1013	1022	S06	W64	4396	01	22.6	10	SF		C	1013	18	.4	
0259	27	1235*	1254	1320	N14	E05	4398	01	27.9	45	1B	C 5.1			228	2.3	EF	
	RAMY	27	1235	1254	1333	N13	E02	4396	01	27.7	58	1B	C 5.1	3	C	249		FE
	ATHN	27	1251	1254	1308	N14	E08	4398	01	28.1	17	1B		3	V	1254	207	2.3
0260	27	14033	14042	1424	N14	E03	4398	01	27.8	21	SB	C 2.4			84			
	RAMY	27	1403	1404	1432	N14	E03	4398	01	27.8	29	SB	C 2.4	3	C	84		
	KANZ	27	1406	1406	1416	N14	E03	4398	01	27.8	10	SN		2				
0261	27	14392	14417	1525	N13	E00	4398	01	27.6	46	SN	C 3.0			95		EFK	
	RAMY	27	1439	1441	1525	N13	W00	4398	01	27.6	46	SN	C 3.0	3	C	67		K
	RAMY	27	1439	1446	1525	N13	W00	4398	01	27.6	46	SB	C 3.0	3	C	123		FEK
	KANZ	27	1441	1448	1459D	N14	E01	4398	01	27.7	18D	SN		2				E

H - ALPHA SOLAR FLARES

41
Jan 84

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/USAF Region		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
							Cmd	Region							Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0262	27	15471	15481	1552	N10	E20	4399	01	29.2	5	SN				26			
	RAMY	27	1547	1549	1551	N10	E20	4399	01	29.2	4	SN	3	C	29			
	HOLL	27	1548	1548	1552	N10	E21	4399	01	29.2	4	SF	3	C	24			
0263	HOLL	27	1631	1631	1636	N11	E17	4399	01	29.0	5	SF	3	C	40			
0264	HOLL	27	1656	1656	1709	N11	E24	4399	01	29.5	13	SF C 2.2	3	C	33			
0265	HOLL	27	1710	1710	1718	N14	E01	4398	01	27.8	8	SF	3	C	25			
0266	HOLL	27	1724	1725	1757	N14	E00	4398	01	27.7	33	SF C 1.8	3	C	57			
0267	27	1808*	1818*	1909	N14	E00	4398	01	27.7	61	SN C 2.4			80			FK	
	HOLL	27	1808	1819	1927	N14	E01	4398	01	27.8	79	SF	3	C	59			K
	HOLL	27	1808	1904	1927	N14	E01	4398	01	27.8	79	SN	3	C	164			FK
	RAMY	27	1809	1818	1827	N14	E00	4398	01	27.7	18	SN	3	C	45			
	RAMY	27	1839	1840	1849	N14	W01	4398	01	27.7	10	SN C 2.4	3	C	46			
	RAMY	27	1903	1903	1935	N14	W01	4398	01	27.7	32	SB C 3.6	3	C	89			
0268	HOLL	27	1841	1842	1852	N12	E25	4399	01	29.7	11	SF	3	C	23			F
0269	27	18471	1848	1901	N13	E46	4403	01	31.2	14	SF			28				
	HOLL	27	1847	1848	1903	N13	E46	4403	01	31.2	16	SF	3	C	26			
	RAMY	27	1848	1848	1859	N13	E46	4403	01	31.2	11	SF	3	C	31			
0270	HOLL	27	1948	1949	2003	N11	E20	4399	01	29.3	15	SF	3	C	25			F
0271	27	20592	2103	2124	N14	W04	4398	01	27.6	25	SN C 2.1			36			F	
	RAMY	27	2059	2103	2123	N13	W05	4398	01	27.5	24	SN C 2.1	3	C	36			
	HOLL	27	2101	2103	2124	N14	W02	4398	01	27.7	23	SN C 2.1	3	C	36			F
0272	HOLL	27	2200	2206	2225	N12	E14	4398	01	29.0	25	SF C 2.7	3	C	52			FH
0273	27	2242	2242	2258	N14	W02	4398	01	27.8	16	SN			36			F	
	HOLL	27	2242	2242	2257	N14	W02	4398	01	27.8	15	SN	3	C	29			F
	PALE	27	2249E	2250U	2259	N14	W03	4398	01	27.7	100	SF	3	C	44			F
0274	HOLL	27	2259	2303	2333	N10	E16	4399	01	29.1	34	SF	3	C	54			F
0275	LEAR	28	0023	0026	0053	N10	E16	4399	01	29.2	30	SF	3	C	64			F
0276	28	0036	0053	0106	N12	W06	4398	01	27.6	30	SF			54			F	
	PALE	28	0027E	0043U	0110	N13	W07	4398	01	27.5	430	SF	3	C	66			F
	LEAR	28	0036	0053	0101	N11	W06	4398	01	27.6	25	SF	3	C	42			
	28	0459		0510	No Flare Patrol													
0277	28	0715	0717	0751	N13	W08	4398	01	27.7	35	SF C 4.0			86	.8		EF	
	LEAR	28	0715	0717	0751	N13	W07	4398	01	27.8	36	SF C 4.0	3	C	93			F
	HTPR	28	0753E		08050	N13	W10	4398	01	27.6	120	SF		C	0753	80	.8	E
0278	HTPR	28	0850	0922	1000	N16	W06	4398	01	27.9	70	SF		C	0922	50	.5	E
0279	HTPR	28	1005	1008	1009	N10	E10	4399	01	29.2	4	SF		C	1008	10	.1	
0280	HTPR	28	1151	1151	1156	N12	W12	4398	01	27.6	5	SF		C	1151	40	.4	E
		28	1231		1234	No Flare Patrol												
0281	RAMY	28	1243	1250	1312	N12	W11	4398	01	27.7	29	SN	3	C	51			
	28	1252		1259	No Flare Patrol													
0282	HTPR	28	1320	1326	1332	N10	E07	4399	01	29.1	12	SF		C	1326	20	.2	E
0283	28	15351	15394	1557	N13	W14	4398	01	27.6	22	SN			28			F	
	RAMY	28	1535	1539	1552	N12	W14	4398	01	27.6	17	SN	3	C	25			
	HOLL	28	1536	1543	1602	N14	W15	4398	01	27.5	26	SF	3	C	30			F

H - ALPHA SOLAR FLARES

JANUARY 1984

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)		
0284		28	1913Z	1916I	1930	N12	E34	4403	01	31.4	17	SB	C	2.0				73		F
	RAMY	28	1913	1916	1934	N13	E34	4403	01	31.4	21	SB	C	2.0	3	C		87		
	HOLL	28	1915	1917	1927	N12	E35	4403	01	31.4	12	SN	C	2.0	3	C		59		F
0285		28	2002*	2012*	2101	N13	W15	4398	01	27.7	59	SF						46		FK
	HOLL	28	2002	2012	2102	N14	W14	4398	01	27.8	60	SF			3	C		37		K
	HOLL	28	2002	2032	2102	N14	W14	4398	01	27.8	60	SN			3	C		69		FK
	PALE	28	2036	2036	2059	N10	W17	4398	01	27.6	23	SF			3	C		31		
0286	HOLL	28	2154	2155	2214	N15	W15	4398	01	27.8	20	SB	C	3.7	3	C		102		EF
0287	HOLL	28	2344	2344	2356	N15	W18	4398	01	27.6	12	SF			3	C		29		F
0288		29	02024	0214*	0329	N14	W37	4404	01	26.3	87	SN	C	2.1				104		K
	LEAR	29	0202	0214	0349	N14	W37	4404	01	26.3	107	SN			3	C		88		K
	LEAR	29	0202	0231	0349	N14	W37	4404	01	26.3	107	SN	C	2.1	3	C		132		K
	PALE	29	0206	0233	0250	N14	W38	4404	01	26.2	44	SF	C	2.1	3	C		91		
0289		29	03118	0319	0332	N17	W16	4398	01	27.9	21	SN	C	1.8				59		DF
	MITK	29	0311	0319	0335	N17	W17	4398	01	27.8	24	SN				C	0319		D	
	LEAR	29	0319	0319	0330	N17	W16	4398	01	27.9	11	SF	C	1.8	3	C		59		F
0290	LEAR	29	0350	0355	0403	N14	W40	4404	01	26.1	13	SF			3	C		31		
0291		29	0545	0546B	0603	N17	W19	4398	01	27.8	18	SN	C	1.9				46		K
	LEAR	29	0545	0546	0603	N17	W19	4398	01	27.8	18	SF			3	C		28		K
	LEAR	29	0545	0554	0603	N17	W19	4398	01	27.8	18	SN	C	1.9	3	C		64		K
0292	LEAR	29	0730	0731	0735	N08	E02	4399	01	29.5	5	SF			3	C		27		H
0293	LEAR	29	0825	0852	0907	N11	W24	4398	01	27.5	42	SF			3	C		49		
0294	LEAR	29	0946	0946	0953	N10	E03	4399	01	29.6	7	SF			3	C		29		
0295		29	1206	12066	1230	N12	E00	4399	01	29.5	24	SN						26	.3	F
	RAMY	29	1206	1206	1228	N12	W01	4399	01	29.4	22	SN			3	C		28		F
	WEND	29	1206	1212	1232	N12	E01	4399	01	29.6	26	SN				C	1212	25	.3	
0296		29	12253	1230*	1308	N14	W42	4404	01	26.3	43	SN						84	1.7	FK
	RAMY	29	1225	1230	1318	N14	W41	4404	01	26.4	53	SN			3	C		66		K
	RAMY	29	1225	1247	1318	N14	W41	4404	01	26.4	53	SN			3	C		29		FK
	WEND	29	1228	1235	1304	N14	W44	4404	01	26.2	36	SN				C	1235	50	.7	
	ATHN	29	1232E	1235U	1251	N13	W40	4404	01	26.5	190	IN			3	V	1235	191	2.7	
0297		29	1301*	13251	1340	N17	W20	4398	01	28.0	39	SF	C	2.0				50	.3	F
	RAMY	29	1301	1325	1348	N16	W21	4398	01	27.9	47	SF	C	2.0	3	C		73		F
	WEND	29	1322	1326	1331	N18	W20	4398	01	28.0	9	SF	C	2.0		C	1326	28	.3	
0298	RAMY	29	1421	1421	1434	S19	W01	4405	01	29.5	13	SF			3	C		21		
0299	RAMY	29	1849	1900U	1945	N13	W29	4398	01	27.6	56	SF			3	C		36		
0300	HOLL	29	1914E	1915	1921	N10	W07	4399	01	29.3	70	SF			3	C		23		F
0301	HOLL	29	2057E	2057U	21230	N15	W42	4404	01	26.7	260	SB			3	C		45		F
0302		29	2129	2130	2138	N06	W24	4400	01	28.1	9	SF						28		F
	PALE	29	2129	2130	2138	N05	W25	4400	01	28.0	9	SF			3	C		24		F
	HOLL	29	2129	2130	2138	N06	W24	4400	01	28.1	9	SF			3	C		31		F
0303		29	2223*	2230*	2332	N11	W08	4399	01	29.3	69	SF	C	4.7				108		FK
	HOLL	29	2223	2230	2343	N11	W07	4399	01	29.4	80	SF			3	C		128		K
	HOLL	29	2223	2245	2343	N11	W07	4399	01	29.4	80	SN	C	4.7	3	C		135		FK
	LEAR	29	2258	2258	2310	N11	W10	4399	01	29.2	12	SF			3	C		60		F
0304	LEAR	30	0052	0052	0057	N15	W38	4397	01	27.1	5	SF			3	C		43		
0305	LEAR	30	0136	0139	0206	N17	W55	4404	01	25.9	30	SF			3	C		37		

H - ALPHA SOLAR FLARES

43
Jan 84

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Remarks		
								USAF						Region	Mo		Day	(Min)
0306		30	02023	02024	0203	N12	W36	4398	01	27.4	7	SN	C 3.8		50	.8	EK	
	VORO	30	0202	0202	0208	N10	W38	4398	01	27.2	6	SN		C	0202	90	1.2	EK
	CULG	30	0202	0202	0209	N13	W37	4398	01	27.3	7	SF		C	0202	40	.5	
	PALE	30	0203	0206	0209	N13	W36	4398	01	27.4	6	SF	C 3.8	3	C	33		
	LEAR	30	0205	0206	0209	N13	W35	4398	01	27.4	4	SN	C 3.8	3	C	35		
0307	PALE	30	0323	0326U	0327D	N09	W11	4399	01	29.3	4D	SF		3	C	36		
0308		30	0430	04317	0511	N09	W13	4399	01	29.2	41	1B	M 2.9		262	4.3	EFK	
	LEAR	30	0430	0431	0512	N09	W12	4399	01	29.3	42	SB		3	C	87		K
	CULG	30	0430	0438	0508	N10	W14	4399	01	29.1	38	1B		C	0438	390	4.3	E
	LEAR	30	0430	0438	0512	N09	W12	4399	01	29.3	42	1B	M 2.9	3	C	309		FK
0309		30	0710	0724*	0758	N10	W38	4398	01	27.4	48	SF	C 2.3		112	1.4	E	
	LEAR	30	0710	0724	0758	N11	W38	4398	01	27.4	48	SF	C 2.3	3	C	118		
	ABST	30	0737E	0742	0811D	N10	W37	4398	01	27.5	34D	SF		P	0742	105	1.4	E
0310	ABST	30	0754E	0806	0811D	N07	W14	4400	01	29.3	17D	SF		P	0806	87	1.0	D
0311	ABST	30	0755E	0756	0811D	N18	W32	4398	01	27.9	16D	SF		P	0756	87	1.2	E
0312		30	0906	0912	0916	N15	W41	4398	01	27.3	10	SN	C 1.9		162		EFH	
	LEAR	30	0906	0912	0917	N14	W40	4398	01	27.3	11	SN	C 1.9	3	C	162		F
	KHAR	30	0910E		0915D	N16	W43	4398	01	27.1	5D	SN		V			EH	
	KANZ	30	0914E	0914U	0916	N14	W39	4398	01	27.4	2D	SN		1				
0313		30	0910	0915	0926	N08	W16	4399	01	29.2	16	SN			47		F	
	LEAR	30	0910	0915	0922	N08	W16	4399	01	29.2	12	SN		3	C	47		F
	KANZ	30	0914E	0914U	0929	N08	W15	4399	01	29.3	15D	SN		1				
0314	KANZ	30	1055E	1055D	1101D	N09	W16	4399	01	29.2	6D	SN		1				
		30	1121		1133	No Flare Patrol												
		30	1242		1248	No Flare Patrol												
0315	RAMY	30	1310	1310	1354	N12	W38	4398	01	27.7	44	SN	C 2.9	3	C	27		F
0316	RAMY	30	1408	1410	1447	N10	W17	4399	01	29.3	39	SN		3	C	46		F
0317		30	1422	1433*	1519	N13	W38	4398	01	27.7	57	SN			38		K	
	RAMY	30	1422	1433	1519	N13	W38	4398	01	27.7	57	SF		3	C	22		K
	RAMY	30	1422	1453	1519	N13	W38	4398	01	27.7	57	SN		3	C	55		K
0318	RAMY	30	1607	1607	1625	N08	W20	4399	01	29.2	18	SF	C 1.1	3	C	25		
0319	RAMY	30	1828	1830	1843	N09	W22	4399	01	29.1	15	SN	C 1.1	3	C	51		
0320	RAMY	30	2008	2019	2042	N14	W63	4404	01	26.1	34	SF		3	C	13		
0321		30	2030*	2031*	2133	N13	W42	4398	01	27.7	63	SB	C 2.2		45		EF	
	HOLL	30	2030	2031	2113D	N13	W40	4398	01	27.8	43D	SB	C 2.2	3	C	45		
	RAMY	30	2053	2057	2133	N15	W42	4398	01	27.7	40	SB		3	C	45		FE
	PALE	30	2056E	2059U	2133	N12	W44	4398	01	27.5	37D	SN		3	C	45		F
	HOLL	30	2057E	2057U	2103D	N13	W40	4398	01	27.8	6D	SB		3	C	45		
0322		30	2124	2126	2137	N10	W22	4399	01	29.2	13	SN			48		F	
	RAMY	30	2124	2126	2137	N11	W20	4399	01	29.4	13	SN		2	C	55		F
	PALE	30	2124	2126	2137	N08	W23	4399	01	29.2	13	SF		3	C	42		
		30	2302		2319	No Flare Patrol												
0323	VORO	30	2345	2349	2353	N08	W29	4400	01	28.8	8	SF		C	2349	99	1.2	D
0324	LEAR	30	2351	2357	2401	N16	W50	4397	01	27.2	10	SF		3	C	25		
0325	VORO	31	0025	0026	0028	N05	W41	4400	01	27.9	3	SF		C	0026	81	1.2	D
0326		31	0042	0047	0106	N16	W50	4397	01	27.2	24	SN	C 2.1		66		FH	
	PALE	31	0042	0047	0101	N15	W51	4397	01	27.2	19	SN	C 2.1	3	C	57		F
	LEAR	31	0049E		0110	N16	W50	4397	01	27.2	21D	SF	C 2.1	3	C	76		H

H - ALPHA SOLAR FLARES

JANUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0327	PALE	31	0129	0135	0145	N14	W45	4398	01	27.7	16	SF	3	C		40		F	
0328	VORO	31	0247	0250	0252	N07	W56		01	26.9	5	SF		C	0250	90	1.6	D	
0329	LEAR	31	0420	0450	0509	N13	W48	4398	01	27.5	49	SN C 3.1	3	C		71		F	
0330	LEAR	31	0539	0539	0540D	N17	W56	4397	01	27.0	10	IN C 8.1	3	C		179			
0331	ABST	31	0601E	0609	0701D	N11	W49	4398	01	27.6	60D	SN		P	0609	87	1.4	E	
0332	31	0705E	0711	0806	N08	W48	4400	01	27.7	61D	SN					56	1.5	D	
	ABST	31	0705E	0711	0806	N08	W51	4400	01	27.5	61D	SN		P	0710	87	1.5	D	
	LEAR	31	0710E	0711	0714D	N09	W45	4400	01	27.9	4D	SF	2	C		25			
0333	31	0711E	0714	0757	N11	W24	4399	01	29.5	46D	SN					34		E	
	LEAR	31	0711E	0714	0714D	N11	W25	4399	01	29.4	3D	SF	2	C		34			
	ISTA	31	0730E		0757	N11	W24	4399	01	29.5	27D	SB						E	
0334	31	0710E	0726B	0754	N16	W54	4397	01	27.2	44	1B					326	6.6	DEU	
	ABST	31	0710	0726	0738D	N16	W53	4397	01	27.3	28D	1N		P	0726	260	4.7	E	
	ABST	31	0712	0734	0755	N21	W55	4397	01	27.1	43	2B		C	0734	393	8.4	E	
	ISTA	31	0730E		0754	N18	W51	4397	01	27.4	24D	SN						D	
	ISTA	31	0730E		0754	N16	W56	4397	01	27.1	24D	SB						D	
	ISTA	31	0730E		0855D	N19	W54	4397	01	27.2	85D	1B							U
0335	ISTA	31	0750E		0758	S18	W65	4407	01	26.4	8D	SF						D	
0336	31	0833I	0834A	0844	N09	W28	4399	01	29.2	11	SN					87	1.0	DV	
	ABST	31	0833	0834	0846	N08	W28	4399	01	29.2	13	SN		C	0834	87	1.0	DV	
	KANZ	31	0834	0838	0842	N10	W27	4399	01	29.3	8	SF	1						
0337	KANZ	31	0955	0955	0958	N10	W27	4399	01	29.4	3	SF	2						
	31	1018		1041	No Flare Patrol														
	31	1043		1049	No Flare Patrol														
0338	KANZ	31	1050E	1057U	1159D	N15	W45	4398	01	28.0	60D	SB	2						
	31	1051		1054	No Flare Patrol														
0339	KANZ	31	1106	1106	1114	N09	W28	4399	01	29.4	8	SB	2					E	
	31	1126		1135	No Flare Patrol														
	31	1217		1222	No Flare Patrol														
0340	31	1137	1204*	1357	N17	W55	4398	01	27.3	140	SB					95		EKS	
	RAMY	31	1137	1204	1357	N17	W55	4398	01	27.3	140	SN	3	C		68		K	
	RAMY	31	1137	1300	1357	N17	W55	4398	01	27.3	140	SB	3	C		122		ESK	
0341	31	1256	1258	1303D	N16	W60	4397	01	27.0	7D	1B M 1.2					259		F	
	RAMY	31	1256	1258	1258D	N16	W62	4397	01	26.8	2D	1B	3	C		270			
	RAMY	31	1256	1300	1303D	N15	W58	4397	01	27.1	7D	1B M 1.2	3	C		248		F	
0342	RAMY	31	1239	1247	1252	N09	W30	4399	01	29.3	13	SF	3	C		23			
0343	HOLL	31	1952	1956	2015	N12	W31	4399	01	29.5	23	SF C 2.0	3	C		29		F	
	31	2008A	2010Z	2026	N12	W09	4403	01	31.2	18	SF					28			
	HOLL	31	2008	2010	2030	N12	W09	4403	01	31.2	22	SF	3	C		21			
0345	31	2012	2012	2021	N12	W09	4403	01	31.2	9	SF	3	C		36				
	31	2053	2053I	2110	N10	W33	4399	01	29.4	17	SB					27			
	RAMY	31	2053	2053	2110	N11	W33	4399	01	29.4	17	SB	3	C		29			
HOLL	31	2053	2054	2110	N10	W33	4399	01	29.4	17	SN	3	C		25				
0346	RAMY	31	2110	2113	2125	N15	W58	4398	01	27.5	15	SN	3	C		33			

H - ALPHA SOLAR FLARES

45
Jan 84

JANUARY 1984

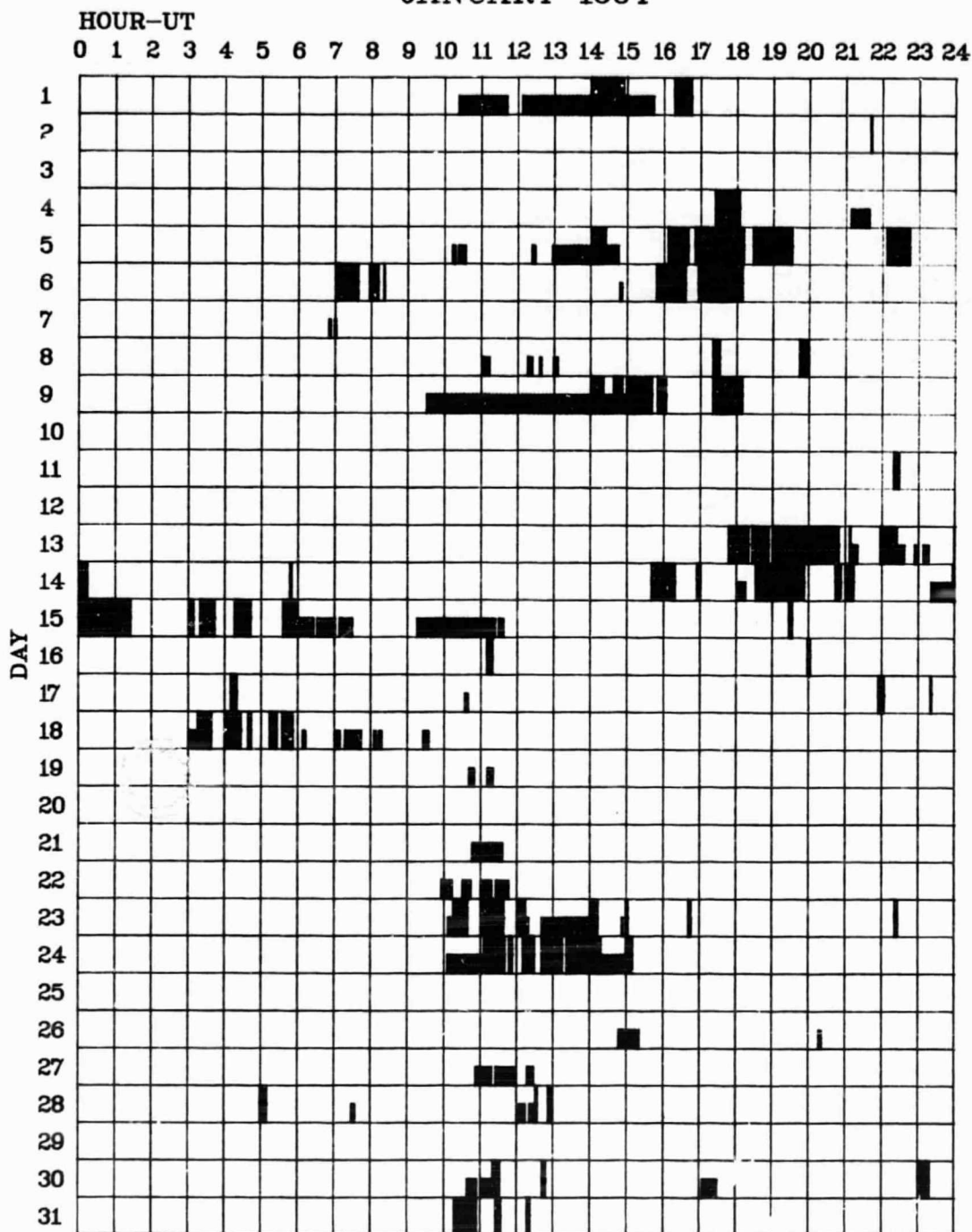
Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	See	Obs Type	Area Measurement		Remarks	
																Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
0347	RAMY	31	2129	2136	2143	N14	W59	4398	01	27.4	14	SF		3	C		26		
0348	HOLL	31	2213	2213	2218	N10	W35	4399	01	29.3	5	SF	C 2.3	3	C		27		
0349	HOLL	31	2248	2249	2259	N13	W10	4403	01	31.2	11	SF		3	C		35		
0350		31	2252	2253	2311	N10	W34	4399	01	29.4	19	SN					30		
	HOLL	31	2252	2253	2308	N11	W34	4399	01	29.4	16	SN		3	C		32		
	PALE	31	2256E	2256U	2314	N10	W35	4399	01	29.3	18D	SF		3	C		28		
0351		31	2311	2314	2336	N14	W10	4403	01	31.2	25	SF					32	.3	
	LEAR	31	2311	2314	2338	N14	W10	4403	01	31.2	27	SF		3	C		35		
	MANI	31	2312E	2314	2335	N14	W10	4403	01	31.2	23D	SF		1	V		30	.3	
0352		31	2325	2326*	2404	N15	W57	4398	01	27.7	39	SN					43	.5	K
	MANI	31	2325	2326U	2403	N15	W57	4398	01	27.7	38	SN		1	V		25	.5	
	HOLL	31	2325	2326	2405	N15	W57	4398	01	27.7	40	SN		3	C		33		K
	HOLL	31	2325	2336	2405	N15	W57	4398	01	27.7	40	SN		3	C		72		K
0353		31	2334	2335I	2339	N15	W63	4397	01	27.2	5	SN	C 2.2				61	1.2	
	MANI	31	2334	2335	2338	N15	W63	4397	01	27.2	4	SN	C 2.2	1	V		55	1.1	
	CULG	31	2334	2336	2338	N14	W64	4397	01	27.1	4	SF			C	2336	50	1.2	
	LEAR	31	2334	2336	2340	N15	W63	4397	01	27.2	6	SN	C 2.2	3	C		77		

"Remarks":

- | | |
|--|---|
| <p>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.</p> | <p>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.</p> |
|--|---|

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

JANUARY 1984



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 | Culgoora | Kanzelhoehe | Lvov | Purple Mt. |
| Athens | Haute Provence | Kharkov | Manila | Ramey |
| Catania | Holloman | Kodaikanal | Mitaka | Voroshilov |
| Bucharest | Istanbul | Learmonth | Palehua | Wendelstein |
| | | | | Yunnan |

H - ALPHA SOLAR FLARES

47
Feb 84

FEBRUARY 1984

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	
																	(10 ⁻⁶ Disk)	Corr (Sq Deg)		
0001	YUNN	01	0150	0152	0158	N10	W37	4399	01	29.4	8	SN			P		46	.6		
0002		01	02122	0215	0220	N16	W67	4397	01	27.1	8	1B C 4.3					111			
	LEAR	01	0212	0215	0224	N16	W67	4397	01	27.1	12	1B C 4.3	3	C			118			
	YUNN	01	0213E	0213U	0217	N18	W66	4397	01	27.2	4D	1B C 4.3		P		0213	154			
	CULG	01	0214	0215	0218	N15	W68	4397	01	27.0	4	SN		C		0215	60			
0003	LEAR	01	023	0236	0245	N11	W14	4403	01	31.0	10	SF		3	C		30			
0004	LEAR	01	0314	0411	0411D	N16	W79	4404	01	26.2	57D	1F		3	C		139			
0005		01	04052	04091	0416	N15	W66	4397	01	27.3	11	1N					106			
	CULG	01	0405	0409	0413	N14	W68	4397	01	27.1	8	1F			C	0409	120			
	LEAR	01	0407	0410	0418	N16	W65	4397	01	27.3	11	1N		3	C		93			
0006		01	0546	0547	0602	N12	W16	4403	01	31.0	16	SN					75		D	
	LEAR	01	0546	0547	0556	N12	W15	4403	01	31.1	10	SN		3	C		75			
	MITK	01	0546E	0547	0559	N13	W16	4403	01	31.0	23D	SN			C	0547			D	
0007		01	07093	0713	0722	N13	W16	4403	01	31.1	13	SN					98	1.4	DFTV	
	LEAR	01	0709	0713	0721	N13	W15	4403	01	31.2	12	SN		3	C		64		F	
	ABST	01	0712	0713	0722	N13	W17	4403	01	31.0	10	SN			C	0713	131	1.4	DVT	
0008	LEAR	01	0749	0749	0758	N13	W15	4403	01	31.2	9	SF C 1.9	3	C			39		F	
0009	ABST	01	0818	0820	0830	N15	W37	4399	01	29.6	12	SN			C	0820	87	1.3	DT	
0010		01	0831	0833*	0854	N13	W17	4403	01	31.1	23	SN					52		FK	
	LEAR	01	0831	0833	0854	N13	W17	4403	01	31.1	23	SN		3	C		66		K	
	LEAR	01	0831	0846	0854	N13	W17	4403	01	31.1	23	SN		3	C		39		FK	
0011	ABST	01	0831	0834	0845	N10	W42	4399	01	29.3	14	SN			C	0834	87	1.0	D	
0012		01	09482	09501	0956	N18	W70	4397	01	27.2	8	SN					38	.9		
	HTPR	01	0948	0950	0958	N17	W71	4397	01	27.1	10	SN			C	0950	40	.9		
	LEAR	01	0950	0951	0955	N18	W69	4397	01	27.2	5	SF		3	C		35			
0013	HTPR	01	0957	1015	1050	N14	W68	4398	01	27.4	53	SF			C	1015	20	.4		
0014	HTPR	01	1038	1040	1050	N14	W16	4403	01	31.2	12	SN			C	1040	130	1.3	E	
0015	RAMY	01	1147E	1216	1247	N11	W20	4403	01	31.0	60D	SN C 2.1	3	C			86			
0016	HTPR	01	1212	1213	1217	N15	W70	4398	01	27.3	5	SF			C	1213	30	.7		
0017		01	1434	1438*	1601	N11	W20	4403	01	31.1	87	SN C 1.9					40		K	
	RAMY	01	1434	1438	1601	N11	W20	4403	01	31.1	87	SN		3	C		34		K	
	RAMY	01	1434	1544	1601	N11	W20	4403	01	31.1	87	SN C 1.9	3	C			47		K	
0018	RAMY	01	1626	1627	1701	N11	W22	4403	01	31.0	35	SN C 1.8	3	C			33			
0019		01	1735*	1807*	2015	N14	W67	4398	01	27.8	160	SF C 2.0					29		FK	
	HOLL	01	1735	1807	1833	N14	W68	4398	01	27.7	58	SF		3	C		24		K	
	HOLL	01	1735	1823	1833	N14	W68	4398	01	27.7	59	SF		3	C		18		K	
	HOLL	01	1833	1847	2157	N15	W66	4398	01	27.9	204	SF		3	C		38		K	
	HOLL	01	1833	1926	2157	N15	W66	4398	01	27.9	204	SN C 2.0	3	C			35		FK	
0020	HOLL	01	1928	1930	2010	N12	W22	4403	01	31.1	42	SF		3	C		40			
0021		01	2013	2014*	2109	N12	W23	4403	01	31.1	56	SF					42		K	
	HOLL	01	2013	2014	2109	N12	W23	4403	01	31.1	56	SF		3	C		21		K	
	HOLL	01	2013	2027	2109	N12	W23	4403	01	31.1	56	SF		3	C		62		K	
		01	2139		2142	No Flare Patrol														
0022	HOLL	01	2153	2153	2214	N11	W47	4399	01	29.5	21	SB		3	C		24		EF	
0023		01	2221	2229	2243	N11	W47	4399	01	29.5	22	SN					56		F	
	HOLL	01	2221	2229	2243	N10	W47	4399	01	29.5	22	SN		3	C		55		F	
	PALE	01	2227E	2227U	2251D	N12	W47	4399	01	29.5	24D	SN		3	C		58			

48
Feb 84

H - ALPHA SOLAR FLARES

FEBRUARY 1984

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	
														(10 ⁻⁶ Disk)	Apparent (Sq Deg)		
0024	LEAR	02	0037	0037	0050	N10	W49	4399	01 29.4	13	SF	3 C		25			
0025		02	01132	01161	0122	N12	W48	4399	01 29.5	9	SF			28		.5	
	MANI	02	0113	0116	0124	N12	W49	4399	01 29.4	11	SF	1 V		30		.5	
	LEAR	02	0115	0117	0121	N12	W48	4399	01 29.5	6	SF	3 C		26			
0026		02	02563	0300	0314	N11	W50	4399	01 29.5	18	SB			54		1.3	
	YUNN	02	0256	0300	0311	N10	W50	4399	01 29.5	15	SN		C	77		1.3	
	LEAR	02	0259	0300	0318	N12	W49	4399	01 29.5	19	SB	3 C		32			
0027		02	04412	04461	0554	N11	W29	4403	01 31.0	73	1B C 9.7			230		2.6	EF
	MITK	02	0441	0446	0600	N12	W28	4403	01 31.1	79	1B		C	0446	190	2.3	E
	CULG	02	0443	0447	0505D	N11	W29	4403	01 31.0	22D	1B		P	0447	240	2.8	E
	LEAR	02	0443	0447	0548	N11	W29	4403	01 31.0	65	1N C 9.7	3 C		259			F
0028		02	0949	09514	1001	N16	W89	4397	01 26.7	12	1N C 5.4			90			A
	LEAR	02	0949	0951	1001	N16	W88	4397	01 26.8	12	SN C 5.4	3 C		69			
	CATA	02	0955E	0955	1002D	N17	W90	4397	01 26.7	7D	1	2 P	0955	112			A
0029	KANZ	02	0950	0950	1000	N15	W81	4398	01 27.4	10	SF	2					
0030		02	15577	15587	1613	N12	W33	4403	01 31.2	16	SN C 2.4			31			
	RAMY	02	1557	1558	1615	N11	W33	4403	01 31.2	18	SN C 2.4	3 C		35			
	HOLL	02	1604	1605	1611	N12	W33	4403	01 31.2	7	SF	3 C		27			
0031	HOLL	02	1612	1613	1619	N13	W51	4399	01 29.9	7	SF	3 C		33			
0032	RAMY	02	1632	1649	1717	S15	W13	4406	02 1.7	45	SF	3 C		77			
0033		02	1635*	1654	1704	N12	W51	4399	01 29.9	29	1B C 3.1			126			FH
	HOLL	02	1635	1654	1707	N13	W51	4399	01 29.9	32	1N C 3.1	3 C		161			FH
	RAMY	02	1650	1654	1700	N11	W51	4399	01 30.0	10	SB C 5.7	3 C		92			
0034		02	17258	1725*	1735	S14	W14	4406	02 1.7	10	SF			23			
	RAMY	02	1725	1725	1731	S14	W14	4406	02 1.7	6	SF	3 C		24			
	RAMY	02	1733	1738	1739	S15	W14	4406	02 1.7	6	SF	3 C		22			
0035	HOLL	02	1727	1728	1744	N12	W35	4403	01 31.1	17	SF	3 C		22			
0036	HOLL	02	1729	1729	1749	N11	W57	4399	01 29.5	20	SF	3 C		26			
0037		02	1750*	1753*	1839	N13	W76	4398	01 28.1	49	SF C 6.8			25			K
	RAMY	02	1750	1753	1808	N12	W73	4398	01 28.3	18	SF	3 C		14			
	RAMY	02	1808	1819	1854	N13	W77	4398	01 28.0	46	SF	3 C		17			K
	RAMY	02	1808	1841	1854	N13	W77	4398	01 28.0	46	SN C 6.8	3 C		43			K
0038		02	20311	20335	2042	N12	W54	4399	01 29.9	11	SN C 2.1			33			FK
	HOLL	02	2031	2033	2043	N13	W53	4399	01 29.9	12	SN C 2.1	3 C		39			F
	RAMY	02	2032	2034	2042	N12	W54	4399	01 29.9	10	SN C 2.1	3 C		42			K
	RAMY	02	2032	2038	2042	N12	W54	4399	01 29.9	10	SN	3 C		17			K
0039	HOLL	02	2126	2128	2137	N12	W89	4398	01 27.3	11	SF	3 C		32			F
0040	HOLL	02	2200	2203	2225	N13	W36	4403	01 31.2	25	SN C 3.5	3 C		49			F
0041	HOLL	02	2208	2208	2214	S16	E57	4412	02 7.2	6	SF	3 C		18			
0042		02	23412	2343	2354	N10	W62	4399	01 29.4	13	SN C 3.7			43		1.2	F
	HOLL	02	2341	2343	2355	N12	W60	4399	01 29.6	14	SN C 3.7	3 C		41			F
	CULG	02	2342	2343	2349	N09	W64	4399	01 29.3	7	SB		C	2343	50	1.2	
	LEAR	02	2343	2343	2357	N09	W62	4399	01 29.4	14	SN C 3.7	3 C		37			F
0043		03	0054	00547	0122	N11	W39	4403	01 31.1	28	1N C 2.8			138		2.3	EFJ
	LEAR	03	0054	0054	0117	N12	W39	4403	01 31.1	23	SB C 2.8	3 C		40			F
	VORO	03	0054	0101	0125	N11	W38	4403	01 31.2	31	1F		C	0101	197	2.7	EJ
	VORO	03	0054	0101	0125	N11	W39	4403	01 31.1	31	1F		C	0101	197	2.7	EJ
	CULG	03	0056E	0056U	0058D	N10	W40	4403	01 31.0	2D	SN		P	0056	120	1.6	F

H - ALPHA SOLAR FLARES

49
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0044	YUNN	03	0228	0232	0240	N12	W62	4399	01	29.5	12	IN			P		92	2.2	D
0045		03	0300*	03076	0320	N14	W59	4399	01	29.8	20	SF					53	1.7	T
	YUNN	03	0300	0307	0320	N14	W59	4399	01	29.8	20	SF			C		77	1.7	T
	LEAR	03	0313	0313	0321	N13	W59	4399	01	29.8	8	SF		3	C		29		
0046		03	0455*	0458*	0541	N10	W66	4399	01	29.3	46	SF					30		T
	YUNN	03	0455	0458	0500D	N10	W66	4399	01	29.3	50	SF			P		31		T
	LEAR	03	0524	0527	0541	N09	W67	4399	01	29.3	17	SF		3	C		29		
0047		03	05524	05578	0636	N06	W78	4399	01	28.5	44	2N	C 5.2				242		FI
	CULG	03	0552	0605	0645	N07	W76	4399	01	28.6	53	3F			C	0605	400		FI
	LEAR	03	0556	0557	0626	N06	W79	4399	01	28.4	30	1N	C 5.2	3	C		83		F
0048	LEAR	03	0634	0636	0648	N07	W84		01	28.1	14	SF		3	C		22		F
0049	HTPR	03	0754	0758	0803	N15	W90	4398	01	27.6	9	SF			C	0758	10		
0050	ABST	03	0804	0807	0818	N10	W70	4399	01	29.2	14	1N			C	0807	174		DT
0051		03	1105	1120	1123	N12	W90	4398	01	27.8	18	SN					30		H
	HTPR	03	1105	1120	1123	N15	W90	4398	01	27.7	18	SN			C	1120	30		
	KHAR	03	1106E		1123D	N10	W90	4398	01	27.8	17D	SN			P				H
0052	RAMY	03	1318	1324	1332	N09	W69	4399	01	29.5	14	SF		3	C		12		
0053	HTPR	03	1510	1512	1520	N15	W90	4398	01	27.9	10	SF			C	1512	20		
0054	YUNN	04	0354	0403U	0437	N16	W80	4399	01	29.2	43				P	0403			A
0055		04	09561	09571	1004	N10	W79	4399	01	29.6	8	SF					10		
	HTPR	04	0956	0958	1004	N10	W83	4399	01	29.3	3	SF			C	0958	10		
	KANZ	04	0957	0957	1004	N11	W75	4399	01	29.9	7	SF		2					
0056	RAMY	04	1410	1411	1416	N09	E64	4411	02	9.4	6	SF		3	C		25		
0057	HOLL	04	1758	1808	1827	N15	W79	4399	01	29.9	29	1N	M 1.1	3	C		142		F
0058	HOLL	04	1936	1943	1956	N08	E62	4411	02	9.5	20	SF		3	C		17		
0059		04	2146	2146	2200	N12	W86	4399	01	29.5	14	SN	M 1.4				30		
	PALE	04	2146	2146	2154	N11	W87	4399	01	29.5	8	SN	M 1.4	3	C		25		
	HOLL	04	2146	2146	2207	N14	W85	4399	01	29.6	21	SN	M 1.4	3	C		34		
0060		05	0013	00131	0023	N14	W85	4399	01	29.7	10	SF	C 1.6				19		
	PALE	05	0013	0013	0021	N12	W87	4399	01	29.5	8	SF	C 1.6	3	C		19		
	LEAR	05	0013	0014	0025	N15	W83	4399	01	29.8	12	SF	C 1.6	3	C				
0061	LEAR	05	0104	0107	0112	S11	E62	4410	02	9.7	8	SF		3	C		29		
		05	1217		1223	No Flare Patrol													
0062	HOLL	05	2251	2308	2343	S09	E52	4410	02	9.8	52	SF	C 1.1	3	C		32		F
0063		06	00434	00476	0056	S10	E11	4408	02	6.8	13	SN					63	1.0	F
	CULG	06	0043	0047	0056	S10	E11	4408	02	6.8	13	SN			C	0047	100	1.0	F
	LEAR	06	0047	0053	0056	S11	E11	4408	02	6.9	9	SF		3	C		26		
0064	ABST	06	0716E	0717	0722	S12	E80	4413	02	12.3	6D	SF			P	0717	87		DT
0065	ABST	06	0738	0739	0748	S10	E49	4410	02	10.0	10	1F			C	0739	87		DV
0066	KHAR	06	0915E	0918	0922D	S14	W55		02	2.2	7D	SF			P				E
0067	KHAR	06	1032E	1035	1049D	S15	W51		02	2.6	17D	SN			P				E
0068	HOLL	06	1533	1533	1553	S11	E41	4410	02	9.7	20	SF		3	C		18		

50
Feb 84

H - ALPHA SOLAR FLARES

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	ray	Obs See	Type	Area Measurement		Remarks		
								Region	4410							Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)	
0069	HOLL	06	1847E	1847U	1856	S12	E38	4410	02	9.6	9D	SF		3	C		22			
0070		06	19007	1901*	1920	S10	E37	4410	02	9.6	20	SF					33		F	
	HOLL	06	1900	1901	1910	S11	E39	4410	02	9.7	10	SF		3	C		20		F	
	PALE	06	1907	1916	1931	S09	E35	4410	02	9.4	24	SF		3	C		46			
0071		05	19488	1950*	2046	S10	E37	4410	02	9.6	53	SN					59		FKU	
	HOLL	06	1948	1950	2108	S11	E37	4410	02	9.6	80	SF		3	C		29		K	
	HOLL	06	1948	2039	2108	S11	E37	4410	02	9.6	80	SN		3	C		100		UK	
	RAMY	06	1955	2038	2048D	S10	E38	4410	02	9.7	53D	SN		3	C		76		F	
	PALE	06	1956	1956	2001	S09	E35	4410	02	9.4	5	SF		3	C		31			
0072	HOLL	06	2054	2057	2105	S14	E75	4413	02	12.5	11	SN		3	C		26			
0073	HOLL	06	2115	2116	2122	S14	E70	4413	02	12.2	7	SF		3	C		24			
0074		06	2325*	2326*	2431	S10	E35	4410	02	9.6	66	1B	C 5.9				188		EFKU	
	HOLL	06	2325	2328	2431D	S10	E34	4410	02	9.5	66D	1B	C 5.9	3	C		204		FEK	
	HOLL	06	2325	2340	2431D	S10	E34	4410	02	9.5	66D	SB		3	C		145		K	
	PALE	06	2326	2326	2403	S09	E36	4410	02	9.7	37	1B		3	C		185		UEK	
	LEAR	06	2326	2328	2451	S12	E35	4410	02	9.6	85	1B		3	C		221		K	
	PALE	06	2326	2344	2403	S09	E36	4410	02	9.7	37	SN		3	C		177		K	
	LEAR	06	2326	2420	2451	S12	E35	4410	02	9.6	85	SB		3	C		181		UFK	
	MITK	07	0015	0022	0035	S12	E36	4410	02	9.7	20	SN			C	0022			E	
	PALE	07	0017	0020	0042	S09	E32	4410	02	9.4	25	1N	C 3.1	3	C		202		F	
0075	HOLL	06	2329	2339	2342	S14	E69	4413	02	12.2	13	SF		3	C		13			
0076	LEAR	07	0227	0233	0236	N10	E30	4411	02	9.3	9	SF		3	C		30			
0077	LEAR	07	0230	0231	0240	S12	E70	4413	02	12.4	10	SF		3	C		14			
0078	LEAR	07	0254	0301	0318	S12	E70	4413	02	12.4	24	SF		3	C		14			
0079	LEAR	07	0514	0516	0538	S12	E69	4413	02	12.4	24	SF	C 1.8	3	C		25			
0080		07	06384	06453	0656	S10	E33	4410	02	9.7	18	SN					51	.6	F	
	LEAR	07	0638	0648	0658	S10	E33	4410	02	9.7	20	SN		3	C		52		F	
	CULG	07	0642	0645	0653	S09	E33	4410	02	9.7	11	SF			C	0645	50	.5		
0081		07	07072	0710	0718	S12	W06	4408	02	6.8	11	SN					90	1.1	F	
	CULG	07	0707	0710	0717	S11	W06	4408	02	6.8	10	SN			C	0710	110	1.1		
	LEAR	07	0709	0710	0719	S12	W06	4408	02	6.8	10	SN		3	C		70		F	
0082		07	0849*	08537	0912	S13	E32	4410	02	9.8	23	SB							ET	
	KANZ	07	0849	0853	0907	S12	E31	4410	02	9.7	18	SB		2						
	KANZ	07	0900	0900	0918	S14	E33	4410	02	9.9	18	SN		2					ET	
		07	0940		0947	No Flare Patrol														
		07	0949		0954	No Flare Patrol														
		07	1016		1055	No Flare Patrol														
0083	CATA	07	1035	1035	1035D	S13	E31	4410	02	9.8	18D	1		2	P	1035	169	2.0		
0084		07	13225	13271	1332	S16	E64	4413	02	12.4	10	SN					81			
	RAMY	07	1322	1328	1330	S15	E63	4413	02	12.3	8	SN		3	C		81			
	KANZ	07	1327	1327	1334	S17	E65	4413	02	12.5	7	SN		2						
0085		07	14025	14052	1418	S14	E64	4413	02	12.4	16	SN					109			
	RAMY	07	1402	1405	1417	S15	E64	4413	02	12.4	15	SN		3	C		109			
	KANZ	07	1407	1407	1418	S13	E63	4413	02	12.3	11	SN		1						
0086	RAMY	07	1624	1626	1639	S13	W11	4408	02	6.8	15	SF		3	C		33			
0087	HOLL	07	1736	1736	1756	S12	E27	4410	02	9.8	20	SF		3	C		24		F	
0088		07	1843*	1908*	2017	S15	E27	4410	02	9.8	94	SF	C 2.1				108		F	
	HOLL	07	1843	1908	2017	S11	E26	4410	02	9.7	94	SF	C 2.1	3	C		137		F	
	PALE	07	1846	1911	1942D	S13	E28	4410	02	9.9	56D	SF	C 2.1	3	C		122		F	
	RAMY	07	1919	1924	1949D	S14	E27	4410	02	9.8	30D	SN		3	C		64			

H - ALPHA SOLAR FLARES

51
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Area Time (UT)	Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0089	HOLL	07	2003	2032	2101	S15	E59	4413	02	12.3	58	SF	3	C		19			
0090		07	2226	22367	2254	S15	E59	4413	02	12.4	28	SB	C 3.8			26		EFK	
	HOLL	07	2226	2236	2254	S15	E59	4413	02	12.4	28	SB	C 3.8	3	C	28		FEK	
	HOLL	07	2226	2243	2254	S15	E59	4413	02	12.4	28	SB		3	C	23		K	
0091	CULG	07	2241	2242	2250	N04	W37		02	5.2	9	SF		C	2242	60	.7	FG	
0092	LEAR	08	0005	0006	0012	S13	E57	4413	02	12.3	7	SF		3	C		22		
0093	LEAR	08	0007	0007	0015	S13	E25	4410	02	9.9	8	SF		3	C		75		
0094		08	0125	0127	0154	S11	E22	4410	02	9.7	29	IB	C 3.0			302	2.6	F	
	CULG	08	0125	0127	0143	S11	E23	4410	02	9.8	18	IB		C	0127	240	2.6		
	LEAR	08	0126E	0127U	0204	S11	E21	4410	02	9.6	38D	IN	C 3.0	3	C	364		F	
0095	VORO	08	0127	0130	0152	S12	E35	4414	02	10.7	25	SN		C	0130	143	1.6	E	
0096		08	0232	0256	0334	S15	E59	4413	02	12.6	62	IN	C 5.2			127		EFK	
	LEAR	08	0232	0256	0334	S15	E59	4413	02	12.6	62	SF		3	C	96		K	
	LEAR	08	0232	0313U	0334	S15	E59	4413	02	12.6	62	IN	C 5.2	3	C	158		FEK	
0097		08	0403*	0411*	0439	S13	E22	4410	02	9.8	36	SN	C 1.4			100	1.7	EF	
	MITK	08	0403	0413	0453	S13	E22	4410	02	9.8	50	SN		C	0413			E	
	LEAR	08	0409	0411	0433	S13	E23	4410	02	9.9	24	SF	C 1.4	3	C	111		F	
	CULG	08	0410	0413	0420	S13	E22	4410	02	9.8	10	SB		C	0413	160	1.7	E	
	LEAR	08	0436	0442	0450	S14	E22	4410	02	9.8	14	SF		3	C	29			
0098	LEAR	08	0427	0427	0434	S13	E56	4413	02	12.4	7	SF		3	C		19		
0099		08	0616	0629*	0724	S12	E55	4413	02	12.4	68	SN				50		FK	
	LEAR	08	0616	0629	0724	S12	E55	4413	02	12.4	68	SF		3	C	49		K	
	LEAR	08	0616	0656	0724	S12	E55	4413	02	12.4	68	SN		3	C	52		FK	
0100	LEAR	08	0725	0753	0840	S13	E53	4413	02	12.3	75	SN	C 5.3	3	C		83	F	
		08	0725		0731	No Flare Patrol													
		08	0756		0909	No Flare Patrol													
0101	LEAR	08	0857	0902	0938	S13	E19	4410	02	9.8	41	IB	C 2.2	3	C		283	FH	
		08	0916		0952	No Flare Patrol													
		08	1006		1013	No Flare Patrol													
		08	1028		1059	No Flare Patrol													
		08	1111		1137	No Flare Patrol													
0102	RAMY	08	1224	1225	1232	S13	E50	4413	02	12.3	8	SN		3	C		50		
0103	RAMY	08	1331	1334	1352	S13	E51	4413	02	12.4	21	SN		3	C		18	F	
0104		08	1405	14211	1435	N09	E11	4411	02	9.4	30	SB	C 3.6			98		EFH	
	RAMY	08	1405	1421	1436	N09	E11	4411	02	9.4	31	SB	C 3.6	3	C	106		FE	
	HOLL	08	1410E	1422	1434	N09	E11	4411	02	9.4	24D	SB	C 3.6	2	C	90		EH	
0105		08	15093	1517*	1549	S12	E48	4413	02	12.2	40	SN	C 1.2			46		FK	
	HOLL	08	1509	1535	1549	S13	E48	4413	02	12.2	40	SF	C 1.2	3	C	73			
	RAMY	08	1512	1517	1547D	S12	E48	4413	02	12.2	35D	SN		3	C	41		K	
	RAMY	08	1512	1527	1547D	S12	E48	4413	02	12.2	35D	SN		3	C	23		FK	
0106	RAMY	08	1554	1605	1621	N09	E09	4411	02	9.3	27	SB	M 1.0	3	C		139		
0107		08	1632	1632*	1702	S13	E50	4413	02	12.5	30	SN				28		K	
	RAMY	08	1632	1632	1702	S13	E50	4413	02	12.5	30	SF		3	C	24		K	
	RAMY	08	1632	1659	1702	S13	E50	4413	02	12.5	30	SN		3	C	33		K	
0108	RAMY	08	1636	1636	1651	S12	W29	4408	02	6.5	15	SF		3	C		20		
0109		08	1830*	1848*	2111	S12	E47	4413	02	12.3	161	SN	C 4.0			130		FK	
	RAMY	08	1830	1848	2036D	S13	E48	4413	02	12.4	126D	IB	C 4.0	3	C	282		K	
	RAMY	08	1830	1941	2036D	S13	E48	4413	02	12.4	126D	SN		3	C	99		K	
	HOLL	08	1942	2040	2128	S14	E47	4413	02	12.4	106	SN		3	C	49		K	
	HOLL	08	1942	2112	2128	S14	E47	4413	02	12.4	106	IN	C 3.0	3	C	195		FK	
	PALE	08	2020	2021	2050	S11	E46	4413	02	12.3	30	SF		3	C	98		K	
	PALE	08	2020	2032	2050	S11	E46	4413	02	12.3	30	SN		3	C	38		K	
	PALE	08	2103	2112	2122	S12	E47	4413	02	12.4	19	SN		3	C	151		F	

H - ALPHA SOLAR FLARES

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP No	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks	
						Region	Lat							Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
0110		08	2004.5	2014.5	2036	S11 E11	4410	02	9.7	32	SF			82		F	
	HOLL	08	2004	2016	2035	S11 E11	4410	02	9.7	31	SF	3	C	77		F	
	RAMY	08	2006	2014	2036.0	S11 E12	4410	02	9.7	300	SN	3	C	135			
	PALE	08	2009	2019	2037	S10 E09	4410	02	9.5	28	SF	3	C	35		F	
0111		08	2135*	2145.1	2156	S13 E46	4413	02	12.4	21	SN			28		F	
	HOLL	08	2135	2146	2200	S14 E46	4413	02	12.4	23	SN	3	C	28		F	
	PALE	08	2145	2145	2153	S12 E47	4413	02	12.4	8	SF	3	C	29			
0112		08	2222*	2239*	2313	S13 E46	4413	02	12.4	51	SF			48		F	
	HOLL	08	2222	2239	2327	S15 E46	4413	02	12.4	65	SN	3	C	79		F	
	PALE	08	2230	2239	2253	S12 E46	4413	02	12.4	23	SF	3	C	39			
	PALE	08	2255	2312	2313	S12 E46	4413	02	12.4	23	SF	3	C	27			
0113		08	2255*	2255*	2308	S12 W33	4408	02	6.5	13	SF C 1.0			26		F	
	HOLL	08	2255	2255	2302	S12 W33	4408	02	6.5	7	SF	3	C	21			
	HOLL	08	2306	2308	2315	S12 W33	4408	02	6.5	9	SF C 1.0	3	C	32		F	
0114	PALE	08	2324	2324	2354	S11 E10	4410	02	9.7	30	SF	3	C	23			
0115		09	0004	0013.2	0022	S14 E45	4413	02	12.4	18	SF			24		F	
	HOLL	09	0004	0013	0023	S15 E45	4413	02	12.4	19	SF	2	C	21		F	
	LEAR	09	0004	0015	0021	S14 E45	4413	02	12.4	17	SF	3	C	27			
0116		09	0029*	0058*	0245	S13 E44	4413	02	12.3	136	SF			62		E	
	MITK	09	0029	0058	0250	S13 E44	4413	02	12.3	141	SN		C	0058		E	
	LEAR	09	0224	0227	0247	S14 E44	4413	02	12.4	23	SF	3	C	20			
	PALE	09	0226E	0227U	0237	S12 E43	4413	02	12.3	110	SF	3	C	104			
0117	LEAR	09	0104	0107	0118	S12 E09	4410	02	9.7	14	SF	3	C	25			
0118	PALE	09	0233	0234	0239	S14 W35	4408	02	6.5	6	SF	3	C	22			
0119	LEAR	09	0412	0414	0424	S13 E42	4413	02	12.3	12	SF C 1.1	3	C	30			
0120		09	0614.1	0615.1	0622	S10 E37	4413	02	12.0	8	SN C 3.2			122	1.8	D	
	MITK	09	0602E	0615	0632.0	S10 E38	4413	02	12.1	300	SB		C	0615		D	
	CULG	09	0614	0616	0621	S10 E37	4413	02	12.0	7	SN		C	0616	150	1.8	
	LEAR	09	0615	0616	0623	S11 E37	4413	02	12.0	8	SN C 3.2	3	C	95			
0121	HPR	09	0910	0915	1015	S13 E42	4413	02	12.5	65	SF		C	0915	40	.5	E
0122	HPR	09	1135		1217.0	S13 E41	4413	02	12.6	420	SF		C	1139	20	.3	
		09	1218		1225	No Flare Patrol											
		09	1230		1233	No Flare Patrol											
		09	1247		1253	No Flare Patrol											
		09	1258		1301	No Flare Patrol											
		09	1317		1330	No Flare Patrol											
		09	1347		1352	No Flare Patrol											
		09	1402		1405	No Flare Patrol											
	0123		09	1431*	1410*	1557	S14 W42	4408	02	6.4	86	SN			60		FK
		RAMY	09	1346E	1410	1612	S14 W42	4408	02	6.4	1460	SF	3	C	66		K
RAMY		09	1346E	1541	1612	S14 W42	4408	02	6.4	1460	SN	3	C	75		K	
HOLL		09	1431	1438	1459	S15 W42	4408	02	6.4	28	SN	2	C	59		F	
HOLL		09	1442	1503	1612	S13 W42	4408	02	6.4	90	SF	3	C	60		K	
HOLL		09	1442	1541	1612	S13 W42	4408	02	6.4	90	SN	3	C	43		FK	
0124	HOLL	09	1442	1445	1501.0	S13 E24	4413	02	11.4	190	SN	2	C	79		F	
0125	RAMY	09	1445	1452	1520	S13 E36	4413	02	12.3	35	SN	3	C	30			
0126		09	1458.2	1501	1524	N13 E42		02	12.8	26	SN			29			
	RAMY	09	1458	1501	1525	N13 E45		02	13.0	27	SN	3	C	35			
	HOLL	09	1500	1501	1523	N13 E40		02	12.6	23	SN	3	C	23			
0127	RAMY	09	1627	1647	1654.0	S15 E38	4413	02	12.6	270	SN	3	C	58			

54
Feb 84

H - ALPHA SOLAR FLARES

FEBRUARY 1984

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	
						Region	Cmd						Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0146		10	12511	12523	1320	S14	E26 4413	02 12.5	29	SN C 3.3			74	.9	E	
	ATHN	10	1251	1255	1312	S16	E26 4413	02 12.5	21	SB C 3.3	3 V	1255	143	1.7	E	
	HTPR	10	1252		12570	S13	E27 4413	02 12.6	50	SN		1254	60	.7	E	
	KANZ	10	1252	1252	1319	S15	E24 4413	02 12.3	27	SN	2				.2	E
	HTPR	10	1311E		1330	S13	E25 4413	02 12.4	190	SF		1312	20		.2	E
0147	KANZ	10	1431	1435	1442	S16	W53 4408	02 6.6	11	SF						
0148	KANZ	10	1444	1446	1446D	S11	E27 4413	02 12.6	20	SN						
0149	HOLL	10	1444	1445	1516	S10	E15 4414	02 11.7	32	SF				59		
		10	1502		1511	No Flare Patrol										
		10	1518		1553	No Flare Patrol										
		10	1601		1606	No Flare Patrol										
0150	HOLL	10	1712	1718	1734	S13	E20 4413	02 12.2	22	SN C 3.5	3 C			71	F	
0151	HOLL	10	1734	1735	1741	S08	W13 4410	02 9.7	7	SF				26	F	
0152		10	1808	1809	1827	S11	E24 4413	02 12.6	19	SN C 3.0				67	F	
	HOLL	10	1808	1809	1818	S12	E25 4413	02 12.6	10	SN C 3.0	3 C			40	F	
	PALE	10	1810E	1810U	1836	S10	E22 4413	02 12.5	260	SN C 3.0	3 C			94	F	
0153		10	18459	18573	1925	S14	W54 4408	02 6.7	40	SN C 1.9				36	F	
	HOLL	10	1845	1857	1919	S13	W54 4408	02 6.7	34	SN C 1.9	3 C			22	F	
	PALE	10	1854	1900	1931	S15	W55 4408	02 6.6	37	SF C 1.9	3 C			51	F	
0154	PALE	10	1906	1907	1923	S15	E24 4413	02 12.6	17	SF				29		
0155		10	1927	1928*	1951	S11	E21 4413	02 12.4	24	SN				57	FK	
	HOLL	10	1927	1928	1951	S11	E20 4413	02 12.3	24	SF				33	K	
	HOLL	10	1927	1942	1951	S11	E20 4413	02 12.3	24	SN				76	FK	
	PALE	10	1936E	1938	1951	S10	E24 4413	02 12.6	150	SN				61	F	
0156		10	2005	20052	2057	S12	W60 4408	02 6.3	52	SF				24		
	PALE	10	2005	2005	2047	S14	W60 4408	02 6.3	42	SF				15		
	HOLL	10	2005	2007	2107	S11	W59 4408	02 6.4	62	SF				33		
0157		10	20075	20165	2030	S09	W18 4410	02 9.5	23	SF				44		
	HOLL	10	2007	2016	2035	S08	W17 4410	02 9.5	28	SF				68		
	PALE	10	2012	2021	2024	S10	W18 4410	02 9.5	12	SF				21		
0158		10	2049	2050	2102	S12	E22 4413	02 12.5	13	SN C 2.4				90	F	
	PALE	10	2049	2050	2100	S11	E24 4413	02 12.7	11	SN				88	F	
	HOLL	10	2049	2050	2105	S13	E19 4413	02 12.3	16	SN C 2.4	3 C			91	F	
0159		10	2234	2235*	2302	S12	E20 4413	02 12.4	28	SN				94	FK	
	PALE	10	2234	2235	2303	S11	E23 4413	02 12.7	29	SF				68	K	
	PALE	10	2234	2243	2303	S11	E23 4413	02 12.7	29	SN				112	FK	
	HOLL	10	2234	2244	2301	S13	E18 4413	02 12.3	27	SN				153	K	
	HOLL	10	2234	2258	2301	S13	E18 4413	02 12.3	27	SN				41	FK	
0160		10	22382	22472	2306	S12	W59 4408	02 6.5	28	SB C 9.1				114	FU	
	HOLL	10	2238	2247	2314	S12	W60 4408	02 6.4	36	SB C 9.1	3 C			128	F	
	PALE	10	2240	2249	2259	S11	W58 4408	02 6.6	19	SN C 9.1	3 C			99	UF	
0161		10	22491	22511	2306	S08	W18 4410	02 9.6	17	SN				147	F	
	HOLL	10	2249	2251	2307	S08	W17 4410	02 9.7	18	SN				177	F	
	PALE	10	2250	2252	2306	S07	W19 4410	02 9.5	16	SF				117	F	
0162		11	01233	01303	0158	S14	W64 4408	02 6.2	35	SN C 3.7				61	1.1	F
	LEAR	11	0123	0130	0148	S13	W64 4408	02 6.2	25	SN C 3.7	4 C			67	F	
	PALE	11	0125	0133	0207	S14	W64 4408	02 6.2	42	SN C 3.7	3 C			61	F	
	MANI	11	0126	0131	0144D	S14	W63 4408	02 6.3	180	SN	1 V			55	1.1	
0163		11	02319	02451	0311	S10	E19 4413	02 12.5	40	1B M 2.9				361	2.9	EFH
	MITK	11	0231	0245	0309	S11	E19 4413	02 12.5	38	1B			0245	220	2.4	EH
	LEAR	11	0238	0245	0324	S11	E19 4413	02 12.5	46	2B M 2.9	3 C			643		FE
	YUNN	11	0240	0246	0252D	S10	E19 4413	02 12.5	120	1N M 2.9				461	5.0	
	CULG	11	0255E	0255U	0301	S10	E19 4413	02 12.5	60	SN			0255	120	1.3	H

H - ALPHA SOLAR FLARES

55
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0164	YUNN	11	0343E	0343U	0350	S16	W62	4408	02	6.4	7D	SF		P	0343	31	.7	D
0165	YUNN	11	0355E	0355U	0359D	S15	E14	4413	02	12.2	7D	SF		P	0355	31	.3	D
0166		11	0429Z	0433	0446	S12	E16	4413	02	12.4	17	SN C 2.1				85	.8	F
	LEAR	11	0429	0433	0448	S12	E16	4413	02	12.4	19	SN C 2.1	3	C		93		F
	YUNN	11	0431	0435U	0443	S11	E16	4413	02	12.4	12	SF C 2.1		P	0435	77	.8	
0167	LEAR	11	0455	0456	0459	S12	W62	4408	02	6.5	4	SF	3	C		23		
0168	ABST	11	0605E	0605	0612D	S11	E19	4413	02	12.7	7D	SF		P	0605	87	.9	BD
0169		11	0632*	0632*	0703	S12	E14	4413	02	12.3	31	SN C 2.1				128	1.2	EFKZ
	CULG	11	0632E	0632U	0636	S13	E15	4413	02	12.4	40	SN		P	0632	100	1.0	
	LEAR	11	0632	0632	0716	S12	E14	4413	02	12.3	44	SF	3	C		103		K
	LEAR	11	0632	0648	0716	S12	E14	4413	02	12.3	44	SN C 2.1	3	C		184		FK
	ABST	11	0643	0647	0705	S12	E15	4413	02	12.4	22	SN		C	0647	174	1.9	ETZ
	CULG	11	0646	0650	0705	S11	E14	4413	02	12.3	19	SN		P	0650	80	.8	F
0170		11	0855E	0905I	0921	S09	W22	4410	02	9.7	26	SN C 2.6				158	1.3	E
	LEAR	11	0855	0906	0926	S09	W23	4410	02	9.6	31	SN C 2.6	3	C		196		
	KANZ	11	0901	0905	0923	S10	W22	4410	02	9.7	22	SN	1					
	HTPR	11	0904E		0913	S08	W22	4410	02	9.7	9D	SN		C	0906	120	1.3	E
0171		11	0957Z	1004*	1024	S12	E13	4413	02	12.4	27	SF				71	.8	E
	HTPR	11	0957	1008	1024	S11	E12	4413	02	12.3	27	SF		C	1008	30	.3	
	KANZ	11	1004	1004	1017	S14	E15	4413	02	12.5	13	SF	1					E
	CATA	11	1010E	1015	1030	S12	E12	4413	02	12.3	20D	S	2	P	1015	112	1.2	
0172		11	1045Z	1045Z	1105	S12	W70	4408	02	6.2	20	SF				38	.5	
	CATA	11	1045	1045	1050D	S13	W70	4408	02	6.2	5D	S	2	P	1045	56		
	HTPR	11	1048	1048	1105	S12	W70	4408	02	6.2	17	SF		C	1048	20	.5	
0173	HTPR	11	1054	1056	1104	S08	W23	4410	02	9.7	10	SF		C	1056	20	.2	E
0174	HTPR	11	1056	1101	1106	S13	E17	4413	02	12.7	10	SF		C	1101	20	.2	E
0175	HTPR	11	1158	1159	1211	S12	E12	4413	02	12.4	13	SF		C	1159	40	.4	E
0176	HTPR	11	1204	1216	1219	S12	W71	4408	02	6.1	15	SN		C	1216	70	1.7	E
0177	HTPR	11	1222	1227	1234	S12	E12	4413	02	12.4	12	SF		C	1227	30	.3	E
0178	HTPR	11	1318	1320	1326	S12	E15	4413	02	12.7	8	SN		C	1320	20	.2	
0179		11	1340*	1340*	1353	S12	E10	4413	02	12.3	13	SF				20	.2	E
	HTPR	11	1340	1340	1346	S10	E12	4413	02	12.5	6	SF		C	1340	20	.2	
	HTPR	11	1348	1350	1400	S13	E13	4413	02	12.5	12	SF		C	1350	20	.2	E
	KANZ	11	1353	1353	1353D	S13	E05	4413	02	11.9	12D	SF	1					
0180		11	1409*	1414*	1442	S12	E08	4413	02	12.2	33	SN C 4.8				61	.6	E
	HTPR	11	1409	1414	1423	S16	E12	4413	02	12.5	14	SN		C	1414	140	1.4	E
	HTPR	11	1421	1423	1454	S13	E13	4413	02	12.6	33	SF		C	1423	50	.5	E
	HOLL	11	1424E	1424U	1452	S11	E09	4413	02	12.3	28D	SN C 4.8	2	C		65		
	KANZ	11	1425	1425	1449	S12	E12	4413	02	12.5	24	SN	2					
	HTPR	11	1427	1429	1436	S12	E04	4413	02	11.9	9	SN		C	1429	30	.3	
	KANZ	11	1429	1429	1433	S11	E05	4413	02	12.0	4	SF	2					
	HTPR	11	1445	1446	1449	S12	E04	4413	02	11.9	4	SF		C	1446	20	.2	
0181	HTPR	11	1502	1503	1509	S10	E07	4413	02	12.1	7	SF		C	1503	20	.2	
0182	HTPR	11	1522	1525	1528	S08	W26	4410	02	9.7	6	SF		C	1525	10	.1	
0183		11	1531Z	1534Z	1546	S14	E12	4413	02	12.5	15	SN				35	.4	E
	HTPR	11	1531	1534	1545	S13	E12	4413	02	12.5	14	SN		C	1534	60	.6	E
	HTPR	11	1536	1539	1546	S16	E11	4413	02	12.5	10	SF		C	1539	10	.1	
0184	HTPR	11	1558		1600D	S12	E03	4413	02	11.9	2D	SN		C	1559	30	.3	

H - ALPHA SOLAR FLARES

57
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks		
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0202	HOLL	12	1707	1709	1716	S12	W03	4413	02	12.5	9	SN	C	2.1	3	C		35		F	
0203		12	1804*	1808*	1855	S13	W08	4413	02	12.1	51	SN						71		FK	
	RAMY	12	1804		19160	S12	W08	4413	02	12.1	720	SN			3	C		42			
	PALE	12	1804	1808	1855	S14	W07	4413	02	12.2	51	SF			3	C		81		K	
	PALE	12	1804	1825	1855	S14	W07	4413	02	12.2	51	SN			3	C		83		FK	
	HOLL	12	1844	1845	19220	S11	W09	4413	02	12.1	380	SN			3	C		77			
0204	HOLL	12	2005	2006	2013	N11	W51	4411	02	9.0	8	SF			3	C		53			
0205		12	2008	2013	2021	S14	W78	4408	02	6.9	13	SF						17			
	PALE	12	2008	2008U	20190	S16	W77	4408	02	7.0	110	SF			3	C					
	HOLL	12	2008	2013	2021	S12	W80	4408	02	6.8	13	SF			3	C		18			
	RAMY	12	2015E		20190	S14	W77	4408	02	7.0	40	SF			3	C		16			
0206	RAMY	12	2053E	2055	2105	S14	W59	4416	02	8.4	120	SF			3	C		21			
0207	RAMY	12	2053E	2056	2100	S14	W81	4408	02	6.7	70	SF			3	C		11			
0208	HOLL	12	2201	2202	2206	S14	W09	4413	02	12.2	5	SF			3	C		34			
0209	HOLL	12	2207	2213	2216	S12	W80	4408	02	6.9	9	SF			3	C		11			
0210	HOLL	13	0020	0021	0025	S13	W58	4416	02	8.6	5	SF			3	C		22			
0211	PALE	13	0139	0144	0148	S12	W13	4413	02	12.1	9	SF	C	1.1	3	C		57		F	
0212		13	03012	03031	0316	S12	W12	4413	02	12.2	15	SN						56	.5	F	
	YUNN	13	0301	0304	0308	S13	W11	4413	02	12.3	7	SF				P		46	.5		
	LEAR	13	0303	0303	0323	S11	W12	4413	02	12.2	20	SN			3	C		66		F	
0213	LEAR	13	0612	0616	0620	S13	W07	4413	02	12.7	8	SN			3	C		98		H	
0214	LEAR	13	0659	0709	0741	S16	W11	4413	02	12.4	42	SN	C	1.9	3	C		151		F	
0215	CATA	13	0930	0930	09300	S15	W90	4408	02	6.6	420	1			2	P	0930	56			
		13	1007		1109	No Flare Patrol															
		13	1121		1214	No Flare Patrol															
		13	1226		1435	No Flare Patrol															
0216	HOLL	13	1552	1552	1607	S12	W22	4413	02	12.0	15	SF			3	C		26			
0217	HOLL	13	1635	1635	1638	S13	W17	4413	02	12.4	3	SF	C	1.9	3	C		29			
0218		13	20021	2004	2014	S09	W56	4410	02	9.6	12	SF						33		F	
	PALE	13	2002	2004U	20100	S10	W56	4410	02	9.6	80	SF			3	C		27			
	HOLL	13	2003	2004	2014	S08	W55	4410	02	9.7	11	SF			3	C		39		F	
0219	HOLL	13	2158	2159	2212	S11	W21	4413	02	12.3	14	SF			3	C		65		F	
0220		14	01206	0142	0203	S10	W60	4410	02	9.5	43	SB	C	4.2				118		F	
	LEAR	14	0120	0142	0205	S09	W59	4410	02	9.6	45	SB	C	4.2	3	C		121		F	
	PALE	14	0126	0142	0201	S10	W60	4410	02	9.5	35	SN	C	4.2	3	C		114		F	
0221	VORO	14	0138	0139	0153	S18	W60	4416	02	9.5	15	1F				C	0139	116	2.3	EIJ	
0222	LEAR	14	0844	0845	0849	S14	W26	4413	02	12.4	5	SF			3	C		36			
		14	1225		1229	No Flare Patrol															
		14	1602		1609	No Flare Patrol															
		14	1709		1723	No Flare Patrol															
		14	1812		1826	No Flare Patrol															
0223		14	19102	19121	1922	S10	W68	4410	02	9.7	12	SN	C	2.9				56			
	RAMY	14	1910	1913	19350	S10	W69	4410	02	9.6	250	SN	C	2.9	3	C		61			
	PALE	14	1912	1912	1922	S10	W68	4410	02	9.7	10	SF	C	2.9	3	C		52			

58
Feb 84

H - ALPHA SOLAR FLARES

FEBRUARY 1984

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	
						Region	Lat									Cmd	Apparent (10-6 Disk)		Corr (Sq Deg)
	14	1936			1944	No Flare Patrol													
0224	RAMY	14	2020	2024	2120	S16	W31	4413	02	12.5	60	SF		3	C		31		
	14	2144			2201	No Flare Patrol													
	14	2231			2256	No Flare Patrol													
0225	PALE	15	0101	0102	0117	S15	W36	4413	02	12.3	16	SF		3	C		35		
0226	LEAR	15	0216	0218	0222	S10	W75	4410	02	9.4	6	SN		3	C		24		
0227	PALE	15	0251	0252	0256	S16	W34	4413	02	12.5	5	SF		3	C		20		
	15	0537			0542	No Flare Patrol													
	15	0640			0645	No Flare Patrol													
	15	0715			0724	No Flare Patrol													
	15	0746			0759	No Flare Patrol													
	15	1248			1332	No Flare Patrol													
	15	1338			1341	No Flare Patrol													
	15	1343			1351	No Flare Patrol													
0228	HOLL	15	2156	2156	2210	S12	W48	4413	02	12.3	14	SF		3	C		25		
0229	CULG	15	2233E	2233U	2237	S17	W46	4413	02	12.4	4D	SF			P	2233	30	.4	
0230	PALE	16	0224	0228	0240	S16	W49	4413	02	12.4	16	1N C 2.0	3	3	C		209	F	
	16	0519			0524	No Flare Patrol													
	16	0539			0545	No Flare Patrol													
	16	0642			0649	No Flare Patrol													
	16	1041			1155	No Flare Patrol													
	16	1318			1418	No Flare Patrol													
0231	HOLL	16	1734	1734	1755	S11	W62	4413	02	12.1	21	SF		3	C		29		
0232	16	2022*	2025*	2047	S13	W60	4413	02	12.3	25	SF						16	F	
	HOLL	16	2022	2025	2051	S12	W60	4413	02	12.3	29	SF		3	C		15	F	
	PALE	16	2038	2038	2043	S14	W60	4413	02	12.3	5	SF		3	C		18	F	
0233	HOLL	16	2156	2159	2211	S11	W60	4413	02	12.4	15	SN C 3.1	3	3	C		79		
0234	PALE	17	0102	0105	0115	S14	W62	4413	02	12.3	13	SF		3	C		29		
0235	PEKG	17	0247E	0247	0249	S13	W62	4413	02	12.4	2D	SF			P	0247	50	1.1	E
	17	0501			0610	No Flare Patrol													
0236	LEAR	17	0613E	0615	0638	S11	W62	4413	02	12.6	25D	SN C 4.5	2	2	C		78	F	
	17	0646			0700	No Flare Patrol													
0237	ABST	17	0808E	0811	0850D	N06	E34	4419	02	19.9	42D	SF			P	0811	79	1.0	D
0238	HTPR	17	1009	1010	1015	S13	W66	4413	02	12.4	6	SF			C	1010	10	.2	
0239	HTPR	17	1135	1137	1149	N07	E31	4419	02	19.8	14	SF			C	1137	20	.2	E
0240	HTPR	17	1152	1155	1214	N09	E80	4421	02	23.5	22	SF			C	1155	20		
0241	HTPR	17	1327	1329	1355	N12	E85	4421	02	24.0	28	SN			C	1329	20		
0242	HOLL	17	1623	1634	1642	N12	E79	4421	02	23.6	19	SF C 1.9	2	2	C		22		
	17	1713			1810	No Flare Patrol													
	17	1814			1820	No Flare Patrol													
0243	17	2226	2229*	2402	N17	E81	4421	02	24.1	96	1N X 2.3						130	FKY	
	PALE	17	2226	2229	2402	N16	E82	4421	02	24.1	96	SF	3	3	C			K	
	PALE	17	2226	2300	2402	N16	E82	4421	02	24.1	96	2B X 2.3	3	3	C			YFK	
	CULG	17	2246E	2251U	2252D	N18	E79	4421	02	24.0	6D	1N			P	2251	130	F	

H - ALPHA SOLAR FLARES

59
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0244	PALE	18	0033	0039	0043	S13	W76	4413	02	12.3	10	SF	3	C				
0245	YUNN	18	0135E	0135U	0316	N16	E81	4421	02	24.2	101D			P	0135			Y
0246	PALE	18	0203	0207	0217	N14	E72	4421	02	23.5	14	SF M	1.8	3	C			F
0247	PALE	18	0226	0227	0235	N14	E72	4421	02	23.5	9	SF		3	C			
0248	PEKG	18	0433E	0433	0433	N13	E71	4421	02	23.5	9D	SN		P	0433	88		E
0249	ABST	18	0503	0614	0616D	N15	E74	4421	02	23.8	13D	1F		P	0614	122		E
0250	ABST	18	0744	0749	0812	N15	E73	4421	02	23.8	28	1N		C	0749	140		E
0251		18	0945E	0955	1004	N12	E68	4421	02	23.5	19D	SF				38	.5	
	CATA	18	0945E	0955	1010D	N11	E66	4421	02	23.4	25D	S	2	P	0955	56		
	HTPR	18	0948E		1004	N12	E70	4421	02	23.7	16D	SF		C	0950	20	.5	
0252	RAMY	18	1140E	1144	1158	N12	E74	4421	02	24.1	18D	SF	3	C		27		
0253		18	1159*	1208*	1341	N13	E66	4421	02	23.5	102	SF C	8.6			44	.9	EK
	RAMY	18	1159	1208	1404	N14	E65	4421	02	23.4	125	SF	3	C		34		K
	RAMY	18	1159	1239	1404	N14	E65	4421	02	23.4	125	SN C	8.6	3	C	57		K
	HTPR	18	1236	1240	1254	N12	E69	4421	02	23.7	18	SF		C	1240	40	.9	E
0254		18	12001	1205	1214	S19	E30	4420	02	20.8	14	SN				52	.6	EF
	RAMY	18	1200	1205	1216	S18	E30	4420	02	20.8	16	SN		3	C	54		F
	HTPR	18	1201	1205	1212	S20	E30	4420	02	20.8	11	SN		C	1205	50	.6	E
0255		18	1530	1536	1554	N12	E66	4421	02	23.6	24	SN C	2.7			16		
	RAMY	18	1530	1536	1551	N13	E66	4421	02	23.6	21	SN C	2.7	3	C	15		
	HOLL	18	1538E	1538U	1557	N12	E67	4421	02	23.7	19D	SF C	2.7	3	C	17		
0256	HOLL	18	1548	1551	1603	N06	E15	4419	02	19.8	15	SF		3	C	28		F
0257		18	1608	1611	1620	N13	E68	4421	02	23.8	12	SB M	1.3			38		EF
	HOLL	18	1608E	1608U	1618	N12	E69	4421	02	23.9	10D	SB M	1.3	3	C	36		F
	RAMY	18	1608	1611	1623	N14	E67	4421	02	23.7	15	SB M	1.3	3	C	41		FE
0258	RAMY	18	2014		2104D	N12	E62	4421	02	23.5	50D	SF		3	C			
0259	HOLL	18	2141	2142	2146	N12	E64	4421	02	23.7	5	SN		3	C	16		F
0260		18	2218*	2220*	2237	N14	E62	4421	02	23.6	19	SN C	8.6			43	.8	EF
	PALE	18	2208E	2212U	2229	N15	E61	4421	02	23.5	21D	SF		3	C	28		
	CULG	18	2218	2221	2223	N16	E58	4421	02	23.3	5	SF		C	2221	40	.8	
	HOLL	18	2219	2220	2224	N13	E60	4421	02	23.4	5	SN		3	C	28		
	PALE	18	2230	2231	2235	N16	E67	4421	02	24.0	5	SF		3	C	30		
	HOLL	18	2239	2242	2314	N12	E63	4421	02	23.7	35	SB C	8.6	3	C	58		FE
	PALE	18	2245E	2255U	2313D	N15	E62	4421	02	23.6	28D	SF		3	C	72		F
0261	HOLL	19	0016	0021	0023	N11	E59	4421	02	23.4	7	SF		3	C	14		F
0262		19	0225*	0242*	0313	N13	E59	4421	02	23.5	48	1N M	1.4			102	2.4	EFK
	PALE	19	0225	0242	0320D	N14	E59	4421	02	23.5	55D	SN		3	C	54		K
	PALE	19	0225	0247	0320D	N14	E59	4421	02	23.5	55D	SN M	1.4	3	C	71		FK
	LEAR	19	0235E	0249	0252D	N13	E63	4421	02	23.9	17D	1B M	1.4	3	C	120		F
	LEAR	19	0235E	0253	0256D	N13	E63	4421	02	23.9	21D	1B		3	C	124		FK
	PEKG	19	0240E	0243	0315	N13	E60	4421	02	23.6	35D	1N		C	0243	147	3.3	E
	YUNN	19	0240	0244	0311	N11	E55	4421	02	23.2	31	SN		P		77	1.5	E
	VORO	19	0243E		0301D	N11	E56	4421	02	23.3	18D	1F		C	0247	99	2.3	E
	LEAR	19	0248E		0400D	N13	E60	4421	02	23.6	72D	1B		3	C	124		F
0263		19	1306	1307*	1433	N13	E53	4421	02	23.5	87	SN C	2.0			59	1.7	FK
	RAMY	19	1306	1307	1433	N12	E53	4421	02	23.5	87	SF		3	C	24		K
	RAMY	19	1306	1409	1433	N12	E53	4421	02	23.5	87	SB C	2.0	3	C	58		FK
	ATHN	19	1334E	1343	1345D	N14	E54	4421	02	23.6	11D	SB		2	V	1343	95	1.7

H - ALPHA SOLAR FLARES

FEBRUARY 1984

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks		
						Lat	Cmd	Region							Mo	Day		Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)
		19	1532		1539	No Flare Patrol													
0264	RAMY	19	1541	1541	1611	N13	E53	4421	02	23.6	30	SF	C 1.0	3	C		19		
0265	RAMY	19	1835	1835	1851	N12	E53	4421	02	23.8	16	SN	C 1.7	3	C		29		
0266	RAMY	19	1919	1920	1928	S18	E13	4420	02	20.8	9	SF		3	C		45		
		19	2019		2041	No Flare Patrol													
		19	2049		2053	No Flare Patrol													
0267		19	2253	2222*	2312	N12	E52	4421	02	23.9	19	SN	C 1.1				79	1.4	FK
	PALE	19	2215E	2222	2317	N11	E52	4421	02	23.8	620	SF		3	C		81		K
	PALE	19	2215E	2258U	2317	N11	E52	4421	02	23.8	620	SN	C 1.1	3	C		76		FK
	CULG	19	2253	2257	2303	N14	E53	4421	02	23.9	10	SN			C	2257	80	1.4	
0268	PALE	19	2322	2322	2332	N14	E50	4421	02	23.7	10	SF		3	C		36		
0269	CULG	19	2341	2342	2346	N13	E53	4421	02	24.0	5	SF			C	2342	20	.3	
0270		20	0005E	0005*	0058	N13	E47	4421	02	23.5	530	SN	C 5.9				76		FK
	PALE	20	0005E	0005	0058	N13	E47	4421	02	23.5	530	SF		3	C		24		K
	PALE	20	0005E	0035	0058	N13	E47	4421	02	23.5	530	SN	C 5.9	3	C		128		FK
0271	PALE	20	0103	0127	0130	N14	E48	4421	02	23.7	27	SF		3	C		26		
0272	CULG	20	0551	0554	0608	S18	E07	4420	02	20.8	17	SF			C	0554	80	.8	F
0273		20	06001	06023	0621	N16	E52	4421	02	24.2	21	IN					132	2.4	DI
	MITK	20	0600	0602	0623	N16	E51	4421	02	24.1	23	IN			C	0602	160	2.9	D
	ABST	20	0601	0605	0619	N17	E54	4421	02	24.3	18	SN			C	0605	105	2.0	DI
0274	ABST	20	0710E	0715	0738	N13	E48	4421	02	23.9	280	IF			P	0715	262	4.3	EIT
0275		20	09454	09504	1004	N14	E48	4421	02	24.0	19	SN	C 2.5				88	1.4	
	WEND	20	0945	0954	1013	N15	E49	4421	02	24.1	28	SN	C 2.5		C	0954	80	1.3	
	ATHN	20	0949	0950	0956	N14	E46	4421	02	23.9	7	SN	C 2.5	3	V	0950	95	1.6	
0276		20	11463	11493	1216	N12	E44	4421	02	23.8	30	SN	C 2.2				69	.9	F
	RAMY	20	1146	1149	1220	N12	E44	4421	02	23.8	34	SN	C 2.2	3	C		78		F
	WEND	20	1149	1152	1212	N12	E45	4421	02	23.9	23	SN	C 2.2		C	1152	60	.9	
0277		20	1245*	13132	1336	N12	E44	4421	02	23.8	51	SN	C 2.0				93	1.6	EFK
	WEND	20	1245	1315	1327	N13	E46	4421	02	24.0	42	SF	C 2.0		C	1315	106	1.6	K
	RAMY	20	1312	1313	1345	N12	E43	4421	02	23.8	33	SB	C 2.0	3	C		80		FE
0278	PALE	20	1926	1927	1955	N13	E40	4421	02	23.8	29	SF	C 1.6	3	C		93		F
		20	2043		2058	No Flare Patrol													
0279	PALE	20	2157	2158	2206	N20	E42	4421	02	24.1	9	SF		3	C		40		
0280	PALE	20	2216	2219	2242	N13	E36	4421	02	23.6	26	SF	C 1.7	3	C		119		F
0281	HOLL	20	2334	2337	2413	N14	E36	4421	02	23.7	39	SN	C 2.6	3	C		38		F
0282	PALE	21	0203	0203	0212	N14	E36	4421	02	23.8	9	SF		3	C		29		F
0283	CULG	21	0415	0419	0422	N21	E38	4421	02	24.1	7	SF			C	0419	100	1.4	
0284	ABST	21	0558	0603	0632	N14	E29	4421	02	23.4	34	SF			C	0603	148	1.8	EIT
0285		21	0730*	08041	0822	N14	E34	4421	02	23.9	52	IN					349	4.6	FIT
	ABST	21	0730	0804	0828	N15	E34	4421	02	23.9	58	IN			C	0804	349	4.6	FIT
	KANZ	21	0802	0805	0817	N12	E33	4421	02	23.8	15	SF							
0286		21	09032	09064	0912	N10	E32	4421	02	23.8	9	SF					61	.8	
	KANZ	21	0903	0906	0912	N10	E31	4421	02	23.7	9	SF							
	CATA	21	0905	0910	0920D	N09	E32	4421	02	23.8	150	S			P	0910	84	1.1	
	WEND	21	0906E		0913	N10	E32	4421	02	23.8	70	SF			C	0906	38	.5	

H - ALPHA SOLAR FLARES

61
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
															Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0287	WEND	21	0929	0934	0938	S06	W53 4417	02	17.4	9	SN		C	0934	20	.3	D	
0288		21	10339	1030*	1106	N11	E31 4421	02	23.8	33	SN				173	2.2	EI	
	CATA	21	1025E	1030	10300	N13	E33 4421	02	23.9	50	S	2	P	1030	112	1.5		
	WEND	21	1033	1048	1104	N11	E32 4421	02	23.8	31	1N		C	1048	175	2.2		
	KANZ	21	1042	1049	1104	N11	E31 4421	02	23.8	22	SN	2						
	KHAR	21	1045E	1048	1104D	N13	E32 4421	02	23.9	19D	1N		V	1047	350	4.4	EI	
	CATA	21	1100E	1100	1110	N10	E30 4421	02	23.7	10D	S	2	P	1100	56	.7		
0289		21	12137	12173	1240	N12	E27 4421	02	23.5	27	SF				32			
	KANZ	21	1213	1217	1245	N11	E27 4421	02	23.5	32	SF	2						
	RAMY	21	1220	1220	1235	N12	E27 4421	02	23.5	15	SF	3	C		32			
0290	KANZ	21	1331	1331	1335	N19	E34 4421	02	24.1	4	SF			2				
0291	WEND	21	1350	1358	1424D	N12	E30 4421	02	23.8	34D	SF		C	1358	118	1.4	L	
0292	HOLL	21	1434	1443U	1457	N13	E29 4421	02	23.8	23	SN	C 2.1	3	C		47		F
0293		21	15109	15136	1524	N14	E27 4421	02	23.7	14	SN				36		EFK	
	RAMY	21	1510	1513	1525	N14	E28 4421	02	23.7	15	SF	3	C		24		K	
	RAMY	21	1510	1519	1525	N14	E28 4421	02	23.7	15	SB	3	C		53		K	
	HOLL	21	1519	1519	1523	N14	E26 4421	02	23.6	4	SB	3	C		30		FE	
		21	1705		1720	No Flare Patrol												
0294	HOLL	21	1758E	1800U	1822	N15	E30 4421	02	24.0	24D	SF		4	C		25		
0295	PALE	21	1938	1943	2004	S06	W59 4417	02	17.4	26	SN		2	C		25		
0296	HOLL	21	2317	2317	2334	N15	E28 4421	02	24.1	17	SF		3	C		30		F
0297	PALE	22	0054	0056	0109	N16	E25 4421	02	23.9	15	SF	C 2.0	3	C		37		
0298		22	0129*	0141*	0258	N15	E23 4421	02	23.8	89	1N	M 1.9			258	3.4	DEFK	
	YUNN	22	0129	0141	0152	N12	E18 4421	02	23.4	23	SF		C		92	1.1		
	PALE	22	0132	0146	0326	N16	E25 4421	02	23.9	114	SF		3	C	113		K	
	PALE	22	0132	0206	0326	N16	E25 4421	02	23.9	114	1N	M 1.9	3	C	228		FK	
	MANI	22	0145E	0203	0248	N16	E24 4421	02	23.9	63D	SN		1	V	120	1.5	F	
	KODA	22	0150	0206	0304	N15	E20 4421	02	23.6	74	2B		P	0153	656	6.7	E	
	MITK	22	0203E	0220	0327	N16	E24 4421	02	23.9	84D	SF		C	0220			D	
	YUNN	22	0205	0213	0243	N14	E25 4421	02	24.0	38	1N		C		338	4.2		
0299		22	06077	06088	0630	N13	E21 4421	02	23.8	23	SN	C 2.1			127	1.6	EF	
	ABST	22	0607	0608	0628	N17	E19 4421	02	23.7	21	SF		P	0608	175	2.0	E	
	LEAR	22	0613	0614	0633	N13	E22 4421	02	23.9	20	SB	C 2.1	2	C	111		F	
	ATHN	22	0614	0616	0630	N13	E21 4421	02	23.8	16	SB	C 2.1	2	V	0616	95	1.1	
0300		22	07047	07075	0724	N12	E20 4421	02	23.8	20	SF	C 2.0			128	2.0	EF	
	ABST	22	0704	0707	0727	N13	E20 4421	02	23.8	23	1F		C	0707	271	3.2	E	
	LEAR	22	0705	0708	0724	N13	E20 4421	02	23.8	19	SF	C 2.0	3	C	33		F	
	ATHN	22	0711	0712	0721	N11	E19 4421	02	23.7	10	SN	C 2.0	2	V	0712	80	.9	
0301	LEAR	22	0758	0801	0807	S21	W21 4420	02	20.7	9	SN		3	C		48		F
0302		22	08345	0838*	0849	S15	E87 4423	02	28.9	15	SN				38	1.0	ACDT	
	KANZ	22	0823E	0823U	0835D	S14	E85 4423	02	28.8	12D	SN		1					
	ABST	22	0834	0842	0852	S16	E89 4423	02	29.1	18	1F		C	0842	87		ADT	
	KHAR	22	0836E	0838	0857D	S15	E89 4423	02	29.1	21D	SN		V	0838			CD	
	LEAR	22	0837	0838	0848	S14	E84 4423	02	28.7	11	SN		3	C	8			
	ATHN	22	0839	0840	0847	S14	E84 4423	02	28.7	8	SN		3	V	0840	19	1.0	
	KHAR	22	0902E	0902	0912D	S15	E89 4423	02	29.1	10D	SF		V	0902			CD	
0303		22	10178	1011*	1042	N15	E16 4421	02	23.6	25	SN	C 4.2			100	1.1	DEF	
	KHAR	22	1010E	1011	1015D	N17	E14 4421	02	23.5	5D	SF		P	1011			D	
	LEAR	22	1017	1025	1029D	N13	E19 4421	02	23.9	12D	SB	C 4.2	2	C		124		FE
	KHAR	22	1019E	1025	1048D	N14	E15 4421	02	23.6	29D	1F		P	1027	200	2.3		
	ATHN	22	1025	1027	1042	N15	E18 4421	02	23.8	17	SB	C 4.2	3	V	1027	111	1.3	
	CATA	22	1045E	1045	1050D	N17	E16 4421	02	23.7	5D	S		2	P	1045	26	.3	
	CATA	22	1045E	1045	1050D	N14	E17 4421	02	23.7	5D	S		2	P	1045	39	.4	

H - ALPHA SOLAR FLARES

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0304	KHAR	22	1030E	1030	1058D	S15	E88	4423	02	29.1	28D	SN		V	1032			H	
0305		22	1118	1133*	1321	S13	E80	4423	02	28.5	123	SN				44		K	
	RAMY	22	1118	1133	1321	S13	E80	4423	02	28.5	123	SF	3	C		33		K	
	RAMY	22	1118	1249	1321	S13	E80	4423	02	28.5	123	SN	3	C		54		K	
0306	RAMY	22	1127	1127	1157	S20	W23	4420	02	20.7	30	SF	3	C		39		F	
0307		22	1436E	1444I	1518	S20	W26	4420	02	20.6	42	SB C 3.0				122		F	
	RAMY	22	1436	1444	1523	S20	W26	4420	02	20.6	47	SB C 3.0	3	C		141			
	HOLL	22	1438	1445	1514	S19	W25	4420	02	20.7	36	SN C 3.0	3	C		103		F	
0308	RAMY	22	1502	1528	1619	N13	E42	4422	02	25.8	77	SF	3	C		55			
0309	HOLL	22	1504	1506	1513	S14	E83	4423	02	28.9	9	SF	3	C		9			
0310	HOLL	22	1623	1635	1642	S14	E83	4423	02	28.9	19	SN	3	C		12			
0311	HOLL	22	1654	1657	1711	S14	E82	4423	02	28.9	17	SF C 2.0	3	C		11			
0312		22	1714*	1726*	1821	S13	E81	4423	02	28.8	67	SN C 1.6				20		FK	
	HOLL	22	1714	1728	1759	S13	E81	4423	02	28.8	45	SN C 1.6	3	C		26		F	
	RAMY	22	1716	1726	1755	S12	E79	4423	02	28.7	39	SN C 1.6	3	C		18			
	RAMY	22	1800	1806	1841	S12	E81	4423	02	28.8	41	SN	3	C		14		K	
	RAMY	22	1800	1829	1841	S12	E81	4423	02	28.8	41	SN C 1.7	3	C		16		K	
	HOLL	22	1801	1805	1811	S14	E84	4423	02	29.1	10	SN	3	C		17			
	HOLL	22	1811	1827	1841	S14	E82	4423	02	28.9	30	SN C 1.7	3	C		26		F	
0313	HOLL	22	1758E	1800U	1822	N15	E30	4422	02	25.0	24D	SF	4	C		25			
0314	RAMY	22	1844	1845	1851	N10	E39	4422	02	25.7	7	SF	3	C		65			
0315		22	1921*	2034*	2107	S13	E79	4423	02	28.8	106	SN C 1.2				42		K	
	RAMY	22	1921	2100	2107	S12	E77	4423	02	28.6	106	SN C 1.2	3	C		27			
	HOLL	22	2035	2034	2107	S14	E80	4423	02	28.9	34	SF	3	C		12		K	
	HOLL	22	2035	2042U	2107	S14	E80	4423	02	28.9	34	IN C 4.2	3	C		86		K	
		22	2022		2028	No Flare Control													
		22	2035		2041	No Flare Control													
0316	HOLL	22	2043	2043	2108	N13	E11	4421	02	23.7	25	SN	3	C		66		F	
0317	HOLL	22	2110	2128	2140	S14	E80	4423	02	28.9	30	SF C 2.0	3	C		22			
0318		22	2140*	2145*	2231	S15	E78	4423	02	28.8	51	SN				21			
	HOLL	22	2140	2145	2208D	S15	E76	4423	02	28.6	28D	SF	3	C		28			
	HOLL	22	2212	2218	2231	S15	E79	4423	02	28.9	19	SN	3	C		14			
0319	HOLL	22	2212	2213	2227	N12	E09	4421	02	23.6	15	SF	3	C		43		F	
		22	2232		2243	No Flare Patrol													
		22	2317		2319	No Flare Patrol													
0320		22	2343E	2343*	2403D	N16	E16	4421	02	24.2	20D	SN C 2.0				51		EFK	
	LEAR	22	2343	2343	2403D	N16	E15	4421	02	24.1	20D	SF	3	C		26		K	
	LEAR	22	2343	2353	2403D	N16	E15	4421	02	24.1	20D	SB C 2.0	3	C		41		FEK	
	PALE	22	2343	2345	2355D	N17	E16	4421	02	24.2	10D	SF	3	C		83		K	
	PALE	22	2343	2355	2355D	N17	E16	4421	02	24.2	10D	SN C 2.0	3	C		53		FK	
0321	LEAR	22	2357	2358	2403D	N14	E38	4422	02	25.9	6D	SN	3	C		28		F	
0322	YUNN	23	0120	0124	0146	S15	E70	4423	02	28.3	26	IN				92		T	
0323	LEAR	23	0219	0221	0223	S18	E74	4423	02	28.7	4	SN	3	C		11		F	
0324		23	0246E	0248E	0259	S13	E74	4423	02	28.7	13	IN C 2.0				123		T	
	LEAR	23	0246	0248	0300	S14	E74	4423	02	28.7	14	SB C 2.0	3	C		49			
	CULG	23	0246E	0248U	0301	S11	E76	4423	02	28.8	15D	IF	P		0248	120			
	YUNN	23	0248	0250	0255	S14	E71	4423	02	28.5	7	2B C 2.0	C			200		T	

H - ALPHA SOLAR FLARES

63
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks			
								USAF Region								Mo	Day		Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0325	LEAR	23	0304	0306	0314	S13	E74	4423	02	28.7	10	SN	3	C			14				
0326	LEAR	23	0400	0401	0406	S13	E72	4423	02	20.6	6	SB	3	C			32		F		
0327	LEAR	23	0419	0424	0454	N09	E03	4421	02	23.4	35	SN C	1.7	3	C			69			
0328	LEAR	23	0419	0434	0435	S18	W34	4420	02	20.6	16	SF		3	C			20			
0329	LEAR	23	0447	0447	0450	S13	E72	4423	02	28.6	8	SN		3	C			16			
0330	LEAR	23	0542	0544	0556	S13	E73	4423	02	28.7	14	SN C	2.8	3	C			29			
0331	LEAR	23	0631	0635	0643	S13	E71	4423	02	28.6	12	SN C	2.1	3	C			20			
0332	YUNN	23	0654	0658	0710	S13	E68	4423	02	28.4	16	SN			C			31	T		
0333		23	0725*	0727*	0741	S14	E72	4423	02	28.7	16	SB C	1.6					54	6.5	FT	
	YUNN	23	0725	0731	0745	S13	E68	4423	02	28.4	20	SN			C			46		T	
	LEAR	23	0726	0727	0735	S14	E71	4423	02	28.7	9	SN		3	C			15		F	
	ATHN	23	0728E	0732	0738	S14	E76	4423	02	29.0	100	N		2	V	0732		127	6.5		
	LEAR	23	0736	0740	0745	S13	E71	4423	02	28.7	9	SB C	1.6	3	C			29		F	
0334		23	0855I	0903	0921	N08	E30	4422	02	25.6	26	SF						34	.3	EF	
	LEAR	23	0855	0903	0914	N06	E31	4422	02	25.7	19	SF		3	C			38		F	
	HTPR	23	0856	0903	0928	N10	E30	4422	02	25.6	32	SF			C	0903		30	.3	E	
		23	1014		1027	No Flare Patrol															
		23	1031		1043	No Flare Patrol															
		23	1056		1118	No Flare Patrol															
0335	RAMY	23	1158	1211	1219	S12	E67	4423	02	28.5	21	SN		3	C			20			
0336		23	1251	1256	1322	N12	E02	4421	02	23.7	31	SN C	2.2					40	.3	E	
	HTPR	23	1251	1256	1318	N12	E04	4421	02	23.8	27	SF			C	1256		30	.3	E	
	RAMY	23	1251	1256	1327	N12	E01	4421	02	23.6	36	SN C	2.2	3	C			50			
0337	RAMY	23	1254	1256	1331	N12	E29	4422	02	25.7	37	SF		3	C			54		F	
0338		23	1313I	1316I	1330	S10	E68	4423	02	28.7	17	SB C	6.8					64	1.7	E	
	RAMY	23	1313	1316	1335	S11	E57	4423	02	28.6	22	SB C	6.8	3	C			67		E	
	HTPR	23	1314		13200	S08	E69	4423	02	28.7	60	SN			C	1315		30	.7	E	
	ATHN	23	1315E	1317	1324	S12	E67	4423	02	28.6	90	IB C	6.8	2	V	1317		95	2.7		
0339		23	14317	1439	1450	S16	E67	4423	02	28.7	19	SN						30	.4		
	RAMY	23	1431	1439	1457	S15	E66	4423	02	28.6	26	SN		3	C			41			
	HTPR	23	1438	1439	1442	S16	E68	4423	02	28.8	4	SF			C	1439		20	.4		
0340	HOLL	23	1453	1505	1529	S17	W41	4420	02	20.5	36	SF		3	C			19			
0341	HOLL	23	1516	1516	1527	N14	E03	4421	02	23.9	11	SF		3	C			24		F	
0342	HOLL	23	1629	1711	1738	S14	E70	4423	02	29.0	69	SN		3	C			38			
0343	HOLL	23	1717	1718	1724	N09	W04	4421	02	23.4	7	SN		3	C			44		F	
0344		23	1802*	1903	1929	N14	W04	4421	02	23.4	87	SF						48		F	
	RAMY	23	1802	1903	1930	N14	W04	4421	02	23.4	88	SF		3	C			59			
	HOLL	23	1903	1903	1928	N14	W03	4421	02	23.6	25	SF		3	C			36		F	
0345	HOLL	23	2010	2020	2036	N14	W02	4421	02	23.7	26	SN		3	C			62		F	
0346	HOLL	23	2104	2104	2122	N14	W04	4421	02	23.6	18	SN		3	C			22			
0347	CULG	23	2249E	2249U	2252	S18	W43	4420	02	20.7	30	SF			P	2249		70	.9		
0348	LEAR	23	2331	2331	2340	S17	W43	4420	02	20.7	9	SN		3	C			24			
0349		24	00085	0013	0029	N12	E23	4422	02	25.7	21	IB C	3.2					132	2.1	EFZ	
	MITK	24	0008	0013	0032	N12	E22	4422	02	25.7	24	1N			C	0013		180	2.1	E	
	LEAR	24	0013	0013	0026	N12	E24	4422	02	25.8	13	SB C	3.2	3	C			84		ZF	

H - ALPHA SOLAR FLARES

FEBRUARY 1984

Grp #	Sta	Day	Start (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)	
0350		24	0103*	0106*	0256	N11 W06	4421	02 23.6	113	1B	C 5.9			284	2.8	EFIKTU
	MITK	24	0103	0108	0123	N11 W04	4421	02 23.7	20	1N		C	0108	190	2.1	E
	LEAR	24	0106	0106	0408	N11 W03	4421	02 23.8	182	2B		3 C		147		UFK
	LEAR	24	0106	0152	0408	N11 W03	4421	02 23.8	182	2B	C 5.9	3 C		607		K
	MANI	24	0125E	0125U	0145	N11 W04	4421	02 23.7	200	SN		1 V		95	1.0	FU
	CULG	24	0135E	0145U	0204D	N11 W10	4421	02 23.3	290	1N		P	0145	300	3.3	FI
	MITK	24	0135	0240	0350	N08 W14	4421	02 23.0	115	1B		C	0240	240	2.6	ET
	YUNN	24	0136	0154	0245	N11 W07	4421	02 23.5	69	2N	C 5.9	P		507	5.5	F
	MANI	24	0206	0210	0244D	N12 W05	4421	02 23.7	380	SB		1 V		185	2.0	FU
0351		24	0140I	0141I	0148	S12 E59	4423	02 28.5	8	SB				70	1.4	
	YUNN	24	0140E	0140U	0145	S12 E57	4423	02 28.4	5D	SN		P	0140	92	1.7	
	LEAR	24	0140	0141	0152	S12 E59	4423	02 28.5	12	SB		3 C		68		
	MANI	24	0141	0142	0205D	S13 E62	4423	02 28.7	24D	SB		1 V		50	1.0	
0352	LEAR	24	0214	0214	0221	S11 E63	4423	02 28.8	7	SN		3 C		22		
0353	KODA	24	0231	0257	0246	N12 W10	4421	02 23.3	15	3N		P	0211	1274	13.1	1
0354		24	0329*	03528	0421	S14 E60	4423	02 28.7	52	2B	M 2.0			375	6.2	BCEFJU
	LEAR	24	0329	0359	0453	S15 E60	4423	02 28.7	84	1B	M 2.0	3 C		293		UF
	YUNN	24	0338	0352	0425	S14 E58	4423	02 28.5	47	2B	M 2.0	C		461	8.9	
	CULG	24	0338	0353U	0410	S14 E61	4423	02 28.8	32	1B		P	0353	20	4.5	EJ
	MITK	24	0338	0353	0428D	S15 E61	4423	02 28.8	500	2B		C	0353	270	5.5	E
	KODA	24	0345	0400	0353	S13 E62	4423	02 28.8	8	2B		P	0407	799	8.2	CE
	VORO	24	0411E		0423	S13 E60	4423	02 28.7	12D	1F		C	0411	197	3.9	BE
0355	LEAR	24	0528	0529	0534	S13 E59	4423	02 28.7	6	SN		3 C		29		F
0356		24	06413	0646*	0733	N12 W06	4421	02 23.8	52	1N	C 3.8			238	3.0	EFJKU
	ABST	24	0641	0714	0745D	N12 W06	4421	02 23.8	64D	1N		P	0714	262	2.8	EK
	MITK	24	0642	0646	0651D	N12 W07	4421	02 23.7	9D	1N		C	0646	190	2.1	E
	LEAR	24	0643	0646	0708D	N12 W06	4421	02 23.8	25D	SB		2 C		136		K
	CULG	24	0643	0649	0730	N11 W07	4421	02 23.7	47	SN		C	0649	180	1.9	JK
	LEAR	24	0643	0708	0708D	N12 W06	4421	02 23.8	250	1B	C 3.8	2 C		201		UFK
	YUNN	24	0644	0708	0736	N11 W07	4421	02 23.7	52	1N	C 3.8	C		461	5.0	
0357		24	0709E	0710	0740D	N11 W02	4421A	02 24.1	31D	SB	C 3.8			170	1.8	F
	ATHN	24	0709E	0710	0735D	N11 W02	4421A	02 24.1	26D	SB	C 3.8	1 V	0710	191	2.0	
	MANI	24	0709E	0710	0740D	N11 W03	4421A	02 24.1	31D	SB		1 V		150	1.6	F
0358	KHAR	24	0850E	0852	0909D	N15 W12	4421	02 23.4	19D	SF		P	0858	100	1.2	
0359	KHAR	24	1012E		1020D	S17 W50	4420	02 20.6	8D	SF		V	1012			
		24	1107		1109	No Flare Patrol										
0360		24	1317	1332A	1441	N13 W12	4421	02 23.6	84	SN	C 5.7			128		EFK
	RAMY	24	1317	1332	1441	N13 W12	4421	02 23.6	84	SB	C 5.7	3 C		120		FEK
	RAMY	24	1317	1336	1441	N13 W12	4421	02 23.6	84	SN		3 C		165		K
	HOLL	24	1410E	1410U	1446D	N13 W12	4421	02 23.7	36D	SN		3 C		100		F
0361	RAMY	24	1341	1344	1346	S05 W84		02 18.3	5	SF		3 C		13		
0362		24	1454	14553	1521	N11 W11	4421	02 23.8	27	SN	C 1.8			63		F
	HOLL	24	1454	1455	1526	N11 W10	4421	02 23.9	32	SN	C 1.8	3 C		60		F
	RAMY	24	1454	1458	1516	N11 W12	4421	02 23.7	22	SN	C 1.8	3 C		66		F
0363	HOLL	24	1552	1601	1614	N12 W07	4421	02 24.1	22	SF	C 2.1	3 C		59		F
0364	HOLL	24	1652	1701	1704	N13 E19	4422		12	SF		3 C		23		F
0365	RAMY	24	1725	1727	1733D	N16 W09	4421		8D	SF		3 C		40		
0366		24	1733*	1740*	1752	N14 E16	4422		19	SB	C 2.0			55		FK
	RAMY	24	1733		1754D	N14 E16	4422	02 25.9	21D	SN		3 C				FK
	RAMY	24	1733	1740	1754D	N14 E16	4422	02 25.9	21D	SB		3 C		71		K
	HOLL	24	1739	1741	1743	N13 E16	4422	02 25.9	4	SN	C 2.0	3 C		20		
	HOLL	24	1750	1751	1802	N13 E17	4422	02 26.0	12	SB	M 1.1	3 C		74		

M - ALPHA SOLAR FLARES

65
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/ USAF		OMP	Dur (Min)	Imp Opt	Imp Xray	Obs See	Type	Area Measurement			Remarks
						Lat	Cmd Region							Mo	Day	Time (UT)	
0367	HOLL	24	1818	1843	1902	S14	E54 4423	02	28.8	44	SF	3	C		22		
0368	HOLL	24	1826	1826	1851	N11	W13 4421	02	23.8	25	SN C 2.0	3	C		32		F
0369		24	18535	1859*	1923	N10	E14 4422	02	25.8	30	SB C 3.0				86		EFK
	RAMY	24	1853	1859	1907D	N10	E13 4422	02	25.8	14D	SB C 3.0	3	C		132		FE
	HOLL	24	1858	1859	1923	N10	E15 4422	02	25.9	25	SB C 3.0	3	C		64		FEK
	HOLL	24	1858	1910	1923	N10	E15 4422	02	25.9	25	SB	3	C		61		K
0370		24	2006	20062	2020	N14	W12 4421	02	23.9	14	SN				28		F
	RAMY	24	2006	2006	2015	N14	W13 4421	02	23.8	9	SN	3	C		22		F
	HOLL	24	2006	2008	2026	N15	W12 4421	02	23.9	20	SN	4	C		34		F
0371		24	2217	2244	2254	N13	W17 4421	02	23.6	37	SF C 1.7				44	.4	F
	PALE	24	2217	2244	2253	N13	W17 4421	02	23.6	36	SF C 1.7	3	C		52		F
	MANI	24	2237E	2237U	2254	N13	W17 4421	02	23.6	17D	SF	1	V		35	.4	
0372		24	22352	22372	2252	S12	E53 4423	02	28.9	17	SF				47	1.1	F
	HOLL	24	2235	2237	2249	S12	E51 4423	02	28.8	14	SN	3	C		34		F
	MANI	24	2237	2239	2254	S12	E53 4423	02	28.9	17	SF	1	V		65	1.1	F
	PALE	24	2237	2239	2254	S11	E54 4423	02	29.0	17	SF	3	C		43		F
0373		24	23239	2323*	2355	S14	E50 4423	02	28.7	32	SN				132	2.0	FKZ
	PALE	24	2323	2323	2348D	S13	E52 4423	02	28.9	25D	SF	3	C		41		K
	PALE	24	2323	2346	2348D	S13	E52 4423	02	28.9	25D	IN	3	C		210		FK
	HOLL	24	2332	2343	2449D	S15	E48 4423	02	28.6	77D	SB	3	C		145		ZF
	MANI	24	2338E	2341	2355	S15	E49 4423	02	28.7	17D	SN	1	V		130	2.0	
0374	HOLL	24	2331	2331	2355	N14	W20 4421	02	23.5	24	SF	3	C		22		
0375	HOLL	24	2336	2336	2339	S17	W57 4420	02	20.6	3	SF	2	C		21		
0376	HOLL	25	0015	0017	0021	S16	W58 4420	02	20.6	6	SF	3	C		18		
0377	LEAR	25	0047	0058	0113	S12	E50 4423	02	28.8	26	SN	3	C		22		F
0378		25	0121*	0129*	0224	S15	E48 4423	02	28.7	63	SN C 1.8				92	1.2	FHKZ
	LEAR	25	0121	0131	0251	S16	E49 4423	02	28.8	90	SN	3	C		80		K
	LEAR	25	0121	0159	0251	S16	E49 4423	02	28.8	90	SB C 1.8	3	C		134		FHK
	YUNN	25	0124	0129	0141	S15	E48 4423	02	28.7	17	SN		P		92	1.4	T
	YUNN	25	0155	0203	0211	S14	E48 4423	02	28.7	16	SN		P		62	.9	T
0379		25	0203	0205	0212	N14	E14 4422	02	26.1	9	SN				56	.7	F
	YUNN	25	0203	0205	0208	N14	E13 4422	02	26.1	5	SF		P		62	.7	
	LEAR	25	0203	0205	0217	N14	E15 4422	02	26.2	14	SB	3	C		49		F
0380	LEAR	25	0227	0228	0234	N11	W19 4421	02	23.7	7	SF	3	C		20		F
0381		25	03119	0314*	0416	S15	E48 4423	02	28.8	65	3B M 2.5				1394	27.3	CFIKTU
	LEAR	25	0311	0314	0432	S15	E48 4423	02	28.8	81	2B M 2.5	3	C		706		UFK
	LEAR	25	0311	0403	0432	S15	E48 4423	02	28.8	81	1B	3	C		278		K
	YUNN	25	0312E	0317	0355	S16	E47 4423	02	28.7	43D	3B		P		1538	23.1	T
	KODA	25	0320	0323	0404	S15	E50 4423	02	28.9	44	4B		P	0327	3052	31.5	CI
0382	LEAR	25	0451	0452	0459	S13	E49 4423	02	28.9	8	SN	3	C		59		
0383		25	0623	0625	0630	N20	W16 4421	02	24.0	7	SF				98	1.2	BE
	YUNN	25	0623	0625	0630	N19	W15 4421	02	24.1	7	SF		C		92	1.1	
	ABST	25	0624E	0625	0626D	N21	W16 4421	02	24.0	2D	SF		P	0625	105	1.3	BE
0384		25	0833	0843*	0938	S13	E43 4423	02	28.6	65	SN C 1.2				98	.9	EFK
	LEAR	25	0833	0843	0938	S12	E44 4423	02	28.7	65	SN	3	C		52		K
	LEAR	25	0833	0919	0938	S12	E44 4423	02	28.7	65	1N C 1.2	3	C		112		FK
	KHAR	25	0912E		0932D	S14	E42 4423	02	28.5	20D	SF		P	0919	60	.9	E
0385		25	0903	0906*	0942	N09	E05 4422	02	25.7	39	SB				132	1.2	EFKZ
	LEAR	25	0903	0906	0947	N09	E05 4422	02	25.7	44	SB	3	C		119		ZFK
	LEAR	25	0903	0920	0947	N09	E05 4422	02	25.7	44	SN	3	C		164		K
	KHAR	25	0903E	0931	0956D	N10	E03 4422	02	25.6	53D	SN		V	0931	150	1.5	E
	ATHN	25	0909E	0922	0931	N09	E06 4422	02	25.8	22D	SB	2	V	0922	95	1.0	

H - ALPHA SOLAR FLARES

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP No	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0386	KHAR	25	1006E		10290	S13	E40	4423	02	28.4	230	SF		V	1010			H	
0387	RAMY	25	1153	1234	1243	N12	W20	4421	02	24.0	50	SB C 1.2	3	C		51		F	
0388	RAMY	25	1307	1313	13360	N16	W18	4421	02	24.2	290	SF		3	C		38		F
0389	RAMY	25	1338	1344	1405	S20	W64	4420	02	20.7	27	SF		3	C		44		
0390	RAMY	25	1421	1426	1441	S11	E42	4423	02	28.7	20	SF C 1.9	3	C		30		F	
0391		25	1639*	1705*	20430	N16	W22	4421	02	24.0	2440	IN C 1.1				272		FKZ	
	RAMY	25	1639	1706	20430	N16	W22	4421	02	24.0	2440	SN		3	C		169		K
	RAMY	25	1639	1730	20430	N16	W22	4421	02	24.0	2440	SN C 1.1		3	C		544		K
	HOLL	25	1704	1705	17410	N16	W22	4421	02	24.0	370	SN		3	C		66		K
	HOLL	25	1704	1732	17410	N16	W22	4421	02	24.0	370	IN		3	C		308		ZFK
0392	HOLL	25	1757	1804	1814	S13	E40	4423	02	28.8	17	SN		3	C		59		
		25	1841		1932	No Flare Patrol													
0393	PALE	25	1940	1941	1954	N12	W30	4421	02	23.5	14	SN		3	C		50		
		25	2007		2037	No Flare Patrol													
		25	2044		2106	No Flare Patrol													
0394		25	22311	2233	2305	N18	W22	4421A	02	24.3	34	SN C 1.9				114	1.0	F	
	CULG	25	2231	2233	2305	N18	W23	4421A	02	24.2	34	SF		C	2233	90	1.0		
	PALE	25	2232	2242U	22500	N17	W22	4421A	02	24.3	180	SN C 1.9	3	C		138		F	
0395		26	00331	0034	0037	S10	E29	4423	02	28.2	4	SN				56	.7	D	
	PEKG	26	0033	0034	0037	S11	E30	4423	02	28.3	4	SN		C	0034	84	1.0	D	
	CULG	26	0034	0034	0036	S09	E29	4423	02	28.2	2	SF		C	0034	40	.4		
	LEAR	26	0034	0034	0037	S11	E29	4423	02	28.2	3	SN		3	C		45		
0396	LEAR	26	0037	0037	0052	N10	W04	4422	02	25.7	15	SN		3	C		21		F
0397		26	0139	0139A	0151	S14	E34	4423	02	28.6	12	SN				26	.4	DF	
	PEKG	26	0138E	0143	0154	S15	E35	4423	02	28.7	160	SF		P	0143	34	.4	D	
	LEAR	26	0139	0139	0148	S14	E34	4423	02	28.6	9	SN		3	C		19		F
0398	PEKG	26	0200	0203	02030	N13	W35	4421	02	23.4	30	SN		P	0203	46	.6	D	
0399	LEAR	26	0351	0356	0400	N14	W32	4421	02	23.7	9	SN		3	C		28		
0400		26	04077	04115	0426	N12	W33	4421	02	23.7	19	SB C 1.2				38	.4	D	
	YUNN	26	0407	0411	0414	N11	W34	4421	02	23.6	7	SN		C		41	.4	D	
	LEAR	26	0414	0416	0439	N14	W32	4421	02	23.7	25	SB C 1.2	3	C		34			
0401		26	0800	0700*	0812	N14	W34	4421	02	23.8	12	SN C 1.2				54	1.2	DT	
	ABST	26	0644E	0700	07580	N15	W34	4421	02	23.7	740	SF		P	0700	87	1.2	DT	
	LEAR	26	0800	0802	0812	N14	W34	4421	02	23.8	12	SN C 1.2	3	C		21			
0402	LEAR	26	0803	0805	0809	S14	E37	4423	02	29.1	6	SF		3	C		30		F
0403		26	08385	08434	0854	S15	E36	4423	02	29.1	16	SN C 1.3				95	1.4	DE	
	ABST	26	0838	0843	08560	S16	E36	4423	02	29.1	180	SN		P	0843	97	1.2	E	
	KHAR	26	0843E	0844	08580	S15	E37	4423	02	29.2	150	SN		P	0848	100	1.5	D	
	LEAR	26	0843	0847	0854	S14	E36	4423	02	29.1	11	SN C 1.3	3	C		87			
0404		26	0906	09069	0939	N15	W08	4422	02	25.8	33	SN				57	1.1	KL	
	KHAR	26	0904E		09450	N16	W09	4422	02	25.7	410	SF		P	0908	100	1.1	L	
	LEAR	26	0906	0906	0939	N15	W08	4422	02	25.8	33	SN		3	C		23		K
	LEAR	26	0906	0915	0939	N15	W08	4422	02	25.8	33	SN		3	C		47		K
0405	LEAR	26	0928	0931	0939	N14	W35	4421	02	23.7	11	SF		3	C		32		
0406		26	0942	0947	0951	S14	E36	4423	02	29.1	9	SN C 2.1				67	1.5	DF	
	LEAR	26	0942	0947	0951	S14	E35	4423	02	29.0	9	SN C 2.1	3	C		34		F	
	KHAR	26	0943E		09530	S15	E37	4423	02	29.2	100	SF		P	0945	100	1.5	D	

H - ALPHA SOLAR FLARES

67
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10-6 Disk)	Corr (Sq Deg)	
0407		26	1036	1036.1	1105D	N16	W10	4422	02	25.7	290	SN				60	.4	L
	KHAR	26	1034E	1037	1105D	N16	W10	4422	02	25.7	310	SN		V	1048	80	.5	L
	CATA	26	1036	1036	1050D	N15	W09	4422	02	25.8	140	S	2	P	1036	39	.4	
0408		26	1056E	1057	1243	N14	W37	4421	02	23.6	1070	SF						
	KHAR	26	1056E	1057	1110D	N15	W37	4421	02	23.6	140	SF		V	1056			
	RAMY	26	1154E		1243	N13	W37	4421	02	23.7	490	SF	3	C				F
0409		26	11564	11564	1203	S11	E32	4423	02	28.9	7	SF				57	1.0	F
	RAMY	26	1156	1156	1203	S12	E33	4423	02	29.0	7	SF	3	C		30		F
	CATA	26	1200	1200	1210D	S10	E32	4423	02	28.9	100	S	2	P	1200	84	1.0	
0410		26	1218	1245.7	1515D	S11	E31	4423	02	28.8	1770	1B M 1.7				251	2.4	EFU
	RAMY	26	1218	1252	1515D	S10	E30	4423	02	28.8	1770	1B M 1.7	3	C		348		UF
	KHAR	26	1237E	1250	1317D	S09	E32	4423	02	28.9	400	1N		P	1250	230	2.6	E
	ATHN	26	1245E	1245	1333D	S13	E31	4423	02	28.9	480	1B	1	V	1245	175	2.2	
0411	RAMY	26	1230	1231	1240	N09	W10	4422	02	25.8	10	SN	3	C		57		F
0412	RAMY	26	1350	1351	1435	N14	W37	4421	02	23.8	45	SN	3	C		65		F
0413	RAMY	26	1446	1446	1553	N13	W38	4421	02	23.7	67	SF	3	C		21		
0414		26	1727.7	1735.2	1746	N09	W13	4422	02	25.7	19	SN				84		F
	RAMY	26	1727	1735	1748	N11	W13	4422	02	25.7	21	SN	3	C		129		
	HOLL	26	1734	1737	1744	N07	W13	4422	02	25.7	10	SF	3	C		40		F
0415	PALE	26	1835	1837	1850	N18	W35	4421	02	24.1	15	SF	3	C		26		
0416		26	1848.2	1857	2000	N16	W14	4422	02	25.7	72	SN C 4.9				191		F
	HOLL	26	1848	1854U	1956	N16	W14	4422	02	25.7	68	SN C 4.9	2	C		198		F
	PALE	26	1850	1857	2003	N17	W14	4422	02	25.7	73	SN C 4.9	3	C		184		F
0417		26	1924	1934.5	1958	N20	W36	4421	02	24.0	34	SN				53		
	PALE	26	1924	1934	2007	N20	W36	4421	02	24.0	43	SN	3	C		66		
	HOLL	26	1936E	1939	1950	N21	W35	4421	02	24.1	140	SN	2	C		40		
0418		26	2001	2002	2008	S14	E30	4423	02	29.1	7	SF				36		
	HOLL	26	2001E	2002	2006	S15	E30	4423	02	29.1	50	SF	2	C		36		
	PALE	26	2001	2002	2009	S14	E30	4423	02	29.1	8	SF	3	C		35		
0419		26	2237.1	2238	2247	N10	W16	4422	02	25.7	10	SF				27		
	HOLL	26	2237	2238	2247	N10	W16	4422	02	25.7	10	SF	2	C		28		
	PALE	26	2238	2238U	2246D	N09	W17	4422	02	25.7	80	SF	3	C		26		
0420	HOLL	26	2332	2337	2339	N15	W43	4421	02	23.7	7	SF	3	C		19		
0421		26	2338	2338	2348	N10	W17	4422	02	25.7	10	SB				65	.8	F
	HOLL	26	2338	2338	2347	N10	W16	4422	02	25.8	9	SN	2	C		50		F
	CULG	26	2338	2338	2348	N10	W18	4422	02	25.6	10	SB		C	2338	80	.8	F
0422		27	0205.8	0208.7	0230	N21	W41	4421	02	23.9	25	SN C 1.9				124	2.2	EFT
	YUNN	27	0205	0210	0234	N22	W40	4421	02	24.0	29	SN		P		92	1.5	T
	CULG	27	0206	0208	0222	N21	W41	4421	02	23.9	16	SF		C	0208	80	1.2	F
	MITK	27	0208E	0212	0234	N20	W40	4421	02	24.0	260	SB		C	0212			E
	PALE	27	0210E	0211U	0242D	N23	W44	4421	02	23.7	320	SN C 1.9	3	C		78		
	PEKG	27	0213	0215	0232	N20	W39	4421	02	24.1	19	1N		C	0215	244	3.8	F
0423		27	0412*	0414*	0430	N08	W19	4422	02	25.7	18	SN				38		
	LEAR	27	0412	0414	0422	N08	W19	4422	02	25.7	10	SN	3	C		37		
	LEAR	27	0424	0425	0439	N08	W19	4422	02	25.7	13	SN	3	C		39		
0424	LEAR	27	0428	0428	0437	S12	E21	4423	02	28.8	9	SN	3	C		29		
0425		27	0445.4	0450	0506	N22	W40	4421	02	24.1	21	SN				74	1.7	FT
	YUNN	27	0445	0450	0510	N22	W40	4421	02	24.1	25	SN		P		108	1.7	T
	LEAR	27	0449	0450	0502	N21	W40	4421	02	24.1	13	SN	3	C		40		F

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CND	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
								USAF Region								Mo	Day		Apparent (10 ⁻⁶ Disk)
0426		27	0551	0556	0602	N10	W20	4422	02	25.7	7	SN				88	1.1	BEF	
	YUNN	27	0555	0556	0602	N11	W20	4422	02	25.7	7	SN		P		77	.9	E	
	CULG	27	0556	0556	0559	N09	W21	4422	02	25.7	3	SN		C	0556	80	.8	F	
	LEAR	27	0556	0557	0604	N09	W20	4422	02	25.7	8	SN	3	C		63			
	ABST	27	0556E	0558	0604	N11	W21	4422	02	25.7	80	SF		P	0558	131	1.6	BE	
0427		27	0603	05578	0622	N18	W42	4421	02	21.0	19	SN				44	.8	DT	
	ABST	27	0557E	0557	06380	N21	W42	4421	02	24.0	410	SF		P	0557	70	1.3	D1	
	ATHN	27	0603	0605	0622	N14	W42	4421	02	24.1	19	SN	2	V	0605	19	.3		
0428		27	07246	07294	0744	N18	W44	4421	02	23.9	20	IB	C 2.2			170	2.9	EFT	
	ABST	27	0724	0729	0744	N15	W49	4421	02	23.6	20	1M		C	0729	201	3.4	E	
	LEAR	27	0728	0732	0745	N19	W42	4421	02	24.1	17	SB	C 2.2	3	C	150		FE	
	YUNN	27	0730	0732	0740	N19	W44	4421	02	23.9	10	1N	C 2.2	P		185	3.0	T	
	ATHN	27	0730	0733	0746	N18	W42	4421	02	24.1	16	1B	C 2.2	2	V	0733	143	2.2	
0429		27	08531	0855 [#]	0935	N14	W46	4421	02	23.9	42	1N	C 9.9			223	4.2	EFKTU	
	CATA	27	0850E	0855	08590	N15	W45	4421	02	24.0	50	1		1	P	0855	225	3.6	
	YUNN	27	0853	0907	0935	N13	W46	4421	02	23.9	42	1N	C 9.9	P		185	3.0	T	
	LEAR	27	0854	0856	09510	N14	W46	4421	02	23.9	570	SB	C 9.9	3	C	113		UFK	
	ATHN	27	0854	0856	10080	N15	W42	4421	02	24.2	740	1B		2	V	0856	159	2.5	
	KHAR	27	0854E	0857	10000	N14	W50	4421	02	23.6	660	1N		V	0857			E	
	LEAR	27	0854	0923	09510	N14	W46	4421	02	23.9	570	1N		3	C	179		K	
CATA	27	0905E	0905	09050	N14	W47	4421	02	23.8	570	2		1	P	0905	478	7.9		
0430		27	1043E		12020	N14	W52	4421	02	23.5	790	SF						D	
	KHAR	27	1043E		11210	N14	W50	4421	02	23.7	380	SF		V	1045			D	
	KHAR	27	1129E		12020	N13	W55	4421	02	23.3	330	SF		V	1129			D	
0431	RAMY	27	1130	1130	1146	S12	E17	4423	02	28.7	16	SF		3	C		41		
		27	1314		1359	No Flare Patrol													
		27	1408		1421	No Flare Patrol													
		27	1458		1628	No Flare Patrol													
0432	HOLL	27	1709	1710	1722	S12	E13	4423	02	28.7	13	SF		3	C		53		F
0433	HOLL	27	1733	1734	1830	N13	W54	4421	02	23.6	57	SN	C 1.7	3	C		110		F
0434		27	1820	1825	1840	S12	E12	4423	02	28.7	20	SF					39		
	PALE	27	1820	1825	1836	S12	E13	4423	02	28.7	16	SF		3	C		30		
	HOLL	27	1826E	1826U	1843	S13	E12	4423	02	28.7	170	SF		3	C		48		
0435		27	1949	19549	2015	N14	W58	4421	02	23.4	26	SF	C 1.2				22		K
	HOLL	27	1949	1954	2015	N14	W58	4421	02	23.4	26	SF		3	C		18		K
	HOLL	27	1949	2003	2015	N14	W58	4421	02	23.4	26	SF	C 1.2	3	C		25		K
0436		27	2107	2114	2138	N11	W54	4421	02	23.8	31	1N	M 2.0				160	3.6	EF
	CULG	27	2107	2114	2138	N12	W54	4421	02	23.5	31	1B		C	2114	180	3.6	E	
	HOLL	27	2109E	2113U	22200	N11	W49	4421	02	24.2	710	1B	M 2.0	3	C		230		FE
	PALE	27	2155E	2157U	22250	N11	W56	4421	02	23.7	300	SF		3	C		70		F
0437	PALE	27	2222	2222	22250	N09	W29	4422	02	25.7	30	SF		3	C		21		F
		27	2240		2244	No Flare Patrol													
0438		27	2346	2346	2350	S12	E10	4423	02	28.7	4	SF					79	.6	F
	CULG	27	2346	2349U	2349	S11	E08	4423	02	28.6	40	SF		P	2345	60	.6		
	PALE	27	2346	2346	2352	S14	E12	4423	02	28.9	6	SF		3	C		98		F
0439	PALE	28	0147	0158	0219	S10	E75	4427	03	4.7	32	SF		3	C				
0440		28	0520	0524*	0601	S15	E77	4427	03	5.0	41	SN					39		FK
	LEAR	28	0520	0524	0601	S15	E77	4427	03	5.0	41	SN		3	C		55		FK
	LEAR	28	0520	0547	0601	S15	E77	4427	03	5.0	41	SN		3	C		23		K
0441	LEAR	28	0537	0538	0554	N15	W57	4421	02	23.9	17	SB		3	C		20		E

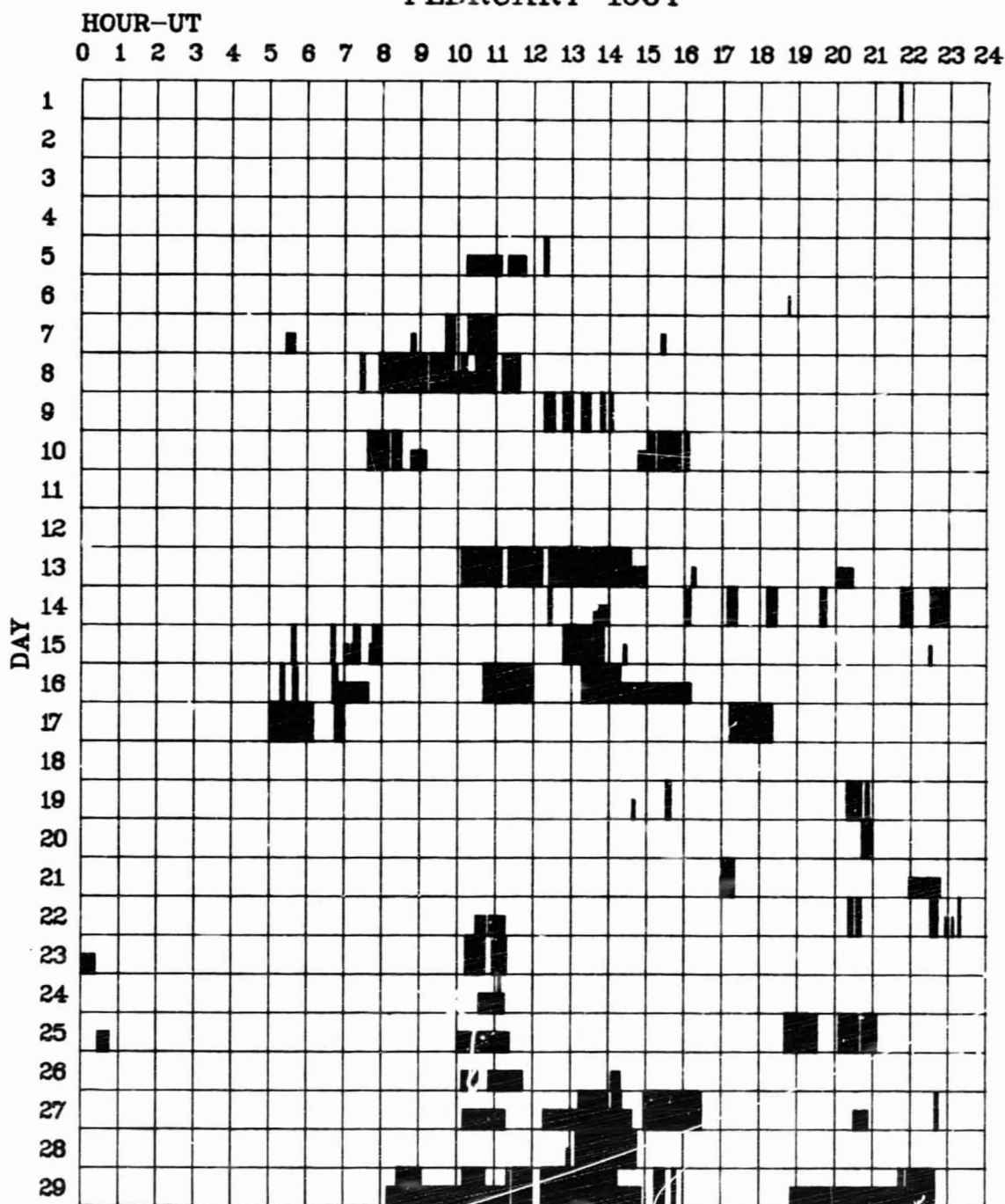
H - ALPHA SOLAR FLARES

69
Feb 84

FEBRUARY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP No	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0442	LEAR	28	0851	0851	0857	N13	W34	4422	02	25.8	6	SF		3	C			32		
0443	HTPR	28	1305		1309D	S10	E70	4427	03	4.8	40	SF			C	1309		20	.4	
		28	1310		1446	No Flare Patrol														
0444	HOLL	28	1522	1527	1538	S12	E01	4423	02	28.7	16	SF		3	C			31		
0445	HOLL	28	1536	1537	1549	N15	W38	4422	02	25.8	13	SF		3	C			28		
0446	HOLL	28	2010	2023	2026	S17	E69	4427	03	5.1	16	SF		3	C			24		
0447		28	2203E	2218	2257D	N11	W67	4421	02	23.9	54D	SN						54	K	
	HOLL	28	2203E	2204U	2257D	N11	W67	4421	02	23.9	54D	SN		3	C			18	K	
	HOLL	28	2203E	2218	2257D	N11	W67	4421	02	23.9	54D	SN		3	C			90	K	
0448	PALE	28	2210E	2211U	2225	S10	E65	4427	03	4.8	150	SF		3	C			37		
0449	LEAR	29	0211	0211	0216	N08	W59	4422	02	24.7	5	SF		3	C			26		
0450		29	02201	0223*	0306	S11	E64	4427	03	4.9	46	1B C 2.1						196	4.3	DEFJK
	LEAR	29	0220	0225	0317	S12	E64	4427	03	4.9	57	1B		3	C			257		K
	CULG	29	0220	0226	0259	S10	E64	4427	03	4.9	39	2B			C	0226		250	5.5	
	LEAR	29	0220	0242	0317	S12	E64	4427	03	4.9	57	1B C 2.1		3	C			165		FEK
	MITK	29	0220	0244	0305	S10	E63	4427	03	4.8	45	1B			C	0244		150	3.4	E
	VORO	29	0221	0223	0252	S11	E65	4427	03	5.0	31	1F			C	0223		161	3.9	DKJ
0451	LEAR	29	0318	0332	0417	S12	W03	4423	02	28.9	59	SN C 1.7		3	C			53		
0452	LEAR	29	0347	0347	0357	N11	W42	4422	02	26.0	10	SF		3	C			18		
		29	0826		0904	No Flare Patrol														
		29	1011		1044	No Flare Patrol														
		29	1121		1124	No Flare Patrol														
		29	1131		1159	No Flare Patrol														
		29	1216		1414	No Flare Patrol														
		29	1515		1530	No Flare Patrol														
0453	HOLL	29	1541	1543	1551	S11	W37	4426	02	26.9	10	SF		3	C			22		
		29	1544		1548	No Flare Patrol														
0454	HOLL	29	1629	1629	1658	S13	W12	4423	02	28.8	29	SF C 1.9		3	C			74		
0455	HOLL	29	1741	1741	1800	N16	W52	4422	02	25.8	19	SF		3	C			29		
0456	HOLL	29	1801	1802	1807	N16	W79	4421	02	23.7	6	SF		3	C			8		
0457	HOLL	29	1827	1827	1842	S14	W54		02	25.7	15	SF		3	C			24		
0458	HOLL	29	2103	2105	2117	N11	W52	4422	02	26.0	14	SF		3	C			26		
		29	2143		2149	No Flare Patrol														
0459	HOLL	29	2145	2146	2202	N17	W75	4421	02	24.2	17	SN M 1.4		3	C			16		F
		29	2156		2239	No Flare Patrol														
0460		29	2204	2206*	2228	N17	W75	4421	02	24.2	24	SF						18		FK
	HOLL	29	2204	2206	2228	N17	W75	4421	02	24.2	24	SF		3	C			17		K
	HOLL	29	2204	2218	2228	N17	W75	4421	02	24.2	24	SF		3	C			18		FK
0461	HOLL	29	2232	2235	2256	N11	W57	4422	02	25.6	24	SN C 3.5		3	C			40		F

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE FEBRUARY 1984



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 | Culgoora | Kharkov | Manila | Ramej |
| Athens | Haute Provence | Kodaikanal | Mitaka | Voroshilov |
| Catania | Holloman | Learmonth | Palehua | Wendelstein |
| | Kanzelhoehe | Lvov | Peking | Yunnan |

H - ALPHA SOLAR FLARES

71
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP No	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0001	PALE	01	0100	0102	0109	N13	W81	4421	02	24.0	9	SF		3	C					
0002	PEKG	01	0149E	0149	0151	N10	W62	4422	02	25.5	20	1N			C	0149	88	2.1	E	
0003		01	02311	02342	0253	N10	W62	4422	02	25.5	22	1B	M 1.0				190	5.2	DIT	
	PEKG	01	0230E	0236	0245	N10	W63	4422	02	25.5	150	2N	M 1.0		P	0236	336	7.8	D	
	URUM	01	0231	0234	0250	N13	W64	4422	02	25.4	19	1B			C		173			
	YORO	01	0232	0234	0253	N11	W61	4422	02	25.6	21	1N			C	0234	179		DIT	
	PALE	01	0232	0234	0258	N10	W58	4422	02	25.8	26	1B	M 1.0	3	C		205			
	CULG	01	0232	0235	0253	N08	W63	4422	02	25.5	21	1B			P	0235	120	2.5		
	MITK	01	0232	0235	0300	N11	W66	4422	02	25.2	28	1B			C	0235	130			
0004	URUM	01	0442	0445	0452	N15	W71	4422	02	24.9	10	SN			C		31			
0005	PEKG	01	0725E	0727	0738	N11	W66	4422	02	25.4	130	SN			C	0727	84		E	
		01	0753		0822	No Flare Patrol														
0006		01	0949	09553	1027	S16	W18	4423	02	29.0	38	SN					80	.8		
	WEND	01	0949	0958	1027	S15	W17	4423	02	29.1	38	SN			C	0958	47	.5		
	CATA	01	0955E	0955	1010D	S16	W19	4423	02	29.0	150	S		2	P	0955	112	1.2		
0007	WEND	01	1010	1019	1027	N08	W62	4422	02	25.9	17	SN			C	1019	41	.9		
0008		01	1434	1443	1450	N10	W66	4422	02	25.7	16	SN					43	.7	F	
	HOLL	01	1430E	1430U	1443D	N11	W67	4422	02	25.7	130	SF		3	C		55		F	
	WEND	01	1434	1443	1450	N08	W64	4422	02	25.9	16	SN			C	1443	31	.7		
0009	PALE	01	1903	1903	1911	S13	W29	4423	02	28.7	8	SF		3	C		18			
		01	2043		2047	No Flare Patrol														
0010	HOLL	01	2154E	2201U	2216	N11	W70	4422	02	25.7	220	SF		3	C		11			
0011	CULG	01	2157	2159	2201	S14	E43	4427	03	5.2	4	SF			C	2159	49	.5		
0012	HOLL	01	2224	2231	2254	N11	W71	4422	02	25.7	30	SN	C 1.9	3	C		70			
0013		01	2324*	2326*	2340	N12	W71	4422	02	25.7	16	SN	C 1.7				22			
	HOLL	01	2324	2326	2335	N12	W72	4422	02	25.6	11	SF		3	C		17			
	HOLL	01	2335	2342	2346	N12	W70	4422	02	25.8	11	SN	C 1.7	3	C		26			
0014	YUNN	02	0700	0703	0713	S09	W40	4423	02	28.4	13	SN			C		48	.6		
0015		02	08036	0809*	0831	N11	W83	4422	02	25.2	28	SN					36		DL	
	HTPR	02	0802E		0812D	N09	W80	4422	02	25.4	100	SN			C	0806	30			
	URUM	02	0803	0813	0821	N11	W82	4422	02	25.3	18	SN			C		16			
	ABST	02	0805	0809	0821	N12	W80	4422	02	25.4	16	1N			P	0810	87		D	
	YUNN	02	0809	0815	0821	N11	W81	4422	02	25.3	12	SN			C		32			
	KHAR	02	0812E		0822D	N12	W86	4422	02	25.0	100	SF			P	0812			DL	
	KHAR	02	0812E		0822D	N12	W86	4422	02	25.0	100	SF			P	0821			DL	
	YUNN	02	0858E	0858	0901	N11	W89	4422	02	24.8	30	SN			P		16		D	
0016		02	08142	08161	0834	S11	W36	4423	02	28.7	20	1N					120	1.5	E	
	ABST	02	0814	0816	0844	S11	W35	4423	02	28.8	30	1F			C	0816	175	2.2	E	
	YUNN	02	0816	0817	0825	S11	W36	4423	02	28.7	9	SN			C		64	.8	E	
0017		02	09246	09296	0949	N12	W84	4422	02	25.2	25	SN					37			
	URUM	02	0924	0929	0949	N14	W88	4422	02	24.8	25	SB			C		31			
	HTPR	02	0929E		0929D	N09	W81	4422	02	25.4	250	SN			C	0929	30			
	YUNN	02	0929E	0933	0940D	N10	W83	4422	02	25.2	110	SN			P		32			
	CATA	02	0930	0935	0940D	N13	W85	4422	02	25.1	100	1		2	P	0935	56			
0018	URUM	02	1019	1024	1034	N12	W79	4422	02	25.6	15	SN			C		31			
0019	HTPR	02	1131	1134	1141	N09	W82	4422	02	25.4	10	SB			C	1134	20			
0020	HTPR	02	1148	1158	1209	N04	W81	4422	02	25.5	21	SF			C	1158	20			

H - ALPHA SOLAR FLARES

MARCH 1984

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)		
			02 1222		1227			No Flare Patrol												
0021	RAMY	02	1343	1346	1403	S13	W38	4423	02	28.8	20	SN		3	C		74		F	
0022		02	1444	1446	1458	S14	W38	4423	02	28.8	14	SN					31	.4	EF	
	RAMY	02	1444	1446	1458	S14	W37	4423	02	28.9	14	SN		3	C		32		F	
	HTPR	02	1445	1448	1457	S13	W39	4423	02	28.8	12	SF			C	1448	30	.4	E	
0023		02	1456	1458	1506	N10	W83	4422	02	25.5	10	SN	C 2.1				40			
	RAMY	02	1456	1458	1504	N10	W81	4422	02	25.6	8	SN	C 2.1	3	C		29			
	HTPR	02	1456	1459	1509	N09	W85	4422	02	25.3	13	SN			C	1459	50			
		02	1714		1745			No Flare Patrol												
		02	1757		1803			No Flare Patrol												
		02	1919		1927			No Flare Patrol												
0024	RAMY	02	1931E	1944U	1946D	S13	E26	4427	03	4.8	150	IN		3	C		277			
		02	1932		1941			No Flare Patrol												
		02	1947		2024			No Flare Patrol												
0025	CULG	02	2109	2217	2240	S13	W36	4423	02	29.2	91	IN			C	2217	220	2.6	FIS	
		03	0815		0825			No Flare Patrol												
		03	1028		1034			No Flare Patrol												
		03	1036		1044			No Flare Patrol												
		03	1102		1108			No Flare Patrol												
		03	1110		1116			No Flare Patrol												
		03	1134		1137			No Flare Patrol												
0026	RAMY	03	1147	1158	1207	S12	W52	4423	02	28.7	20	SF		3	C		27			
0027	HTPR	03	1317	1324	1335	S12	W51	4423	02	28.8	18	SF			C	1322	30	.5		
0028		03	1355*	1358*	1455	S15	E15	4427	03	4.7	60	IN					255	3.2	EF	
	HTPR	03	1355	1358	1415	S16	E17	4427	03	4.9	20	SF			C	1358	100	1.0	E	
	HTPR	03	1412	1416	1440	S15	E13	4427	03	4.6	28	2N			C	1416	550	5.5	E	
	HOLL	03	1416E	1418	1550	S14	E14	4427	03	4.6	94D	SB		2	C		114		FE	
0029	RAMY	03	1640	1710	1720	S12	W52	4423	02	28.9	40	SF		3	C		59			
0030	HOLL	03	2256	2257	2301	S08	W58	4423	02	28.7	5	SF		3	C		21			
		04	0156		0159			No Flare Patrol												
0031	CULG	04	0721	0721	0726	S08	E57	4430	03	8.6	5	SF			C	0721	20	.3		
		04	1039		1119			No Flare Patrol												
0032		04	1630	1635	1656	S11	E50	4430	03	8.4	26	SN	C 1.0				42		K	
	HOLL	04	1630	1642	1659	S12	E51	4430	03	8.5	29	SF	C 1.0	3	C		62			
	RAMY	04	1633	1635	1654	S10	E50	4430	03	8.4	21	SN		3	C		30		K	
	RAMY	04	1633	1644	1654	S10	E50	4430	03	8.4	21	SN	C 1.0	3	C		35		K	
0033	RAMY	04	1644	1648	1719	S15	E03	4427	03	4.9	35	SF		3	C		51		F	
0034		04	2056	2059	2121	S14	W06	4427	03	4.4	25	SB					150	1.3	EF	
	CULG	04	2056	2059	2121	S13	W06	4427	03	4.4	25	SB			C	2059	130	1.3	E	
	HOLL	04	2056	2100	2134D	S14	W05	4427	03	4.5	38D	SN		3	C		170		F	
		04	2235		2252			No Flare Patrol												
		04	2259		2302			No Flare Patrol												
		05	0512		0519			No Flare Patrol												
0035		05	1215	1231	1250	S16	W08	4427	03	4.9	35	SF					47		F	
	RAMY	05	1215	1231	1249	S17	W08	4427	03	4.9	34	SF		3	C		47		F	
	KANZ	05	1218	1231	1251	S16	W07	4427	03	5.0	33	SF		2						

H - ALPHA SOLAR FLARES

73
Mar 84

MARCH 1984

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	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)	
		05	1632		1653		No Flare Patrol										
		05	1926		1947		No Flare Patrol										
0036	LEAR	05	2345	2346	2353	S16 E57	4429	03	10.3	8	SF	3	C		26		F
0037	LEAR	06	0107	0107	0113	S14 W21	4427	03	4.4	6	SF	3	C		24		
0038	LEAR	06	0757	0759	0803	S12 E29	4430	03	3.5	6	SF	3	C		28		
0039		06	08044	08062	0814	S08 E26	4432B	03	8.3	10	SN				82	.8	EF
	LEAR	06	0804	0807	0815	S09 E25	4432B	03	8.2	11	SN	3	C		92		F
	ABST	06	0805	0806	0811	S07 E27	4432B	03	8.3	6	SF		C	0806	114	1.3	E
	HTPR	06	0805	0806	0816	S08 E25	4432B	03	8.2	11	SN		C	0806	40	.4	E
	KANZ	06	0808	0808	0811D	S09 E26	4432B	03	8.3	30	SF	1					
0040	HTPR	06	0847	0854	0900	S12 E26	4430	03	8.3	13	SF		C	0854	20	.2	E
0041		06	0915	0917*	0939	S16 E52	4429	03	10.3	24	SN	C 1.3			43	.8	EFKU
	HTPR	06	0915	0917	0938	S17 E52	4429	03	10.3	23	SN		C	0917	50	.8	E
	LEAR	06	0915	0917	0940	S16 E53	4429	03	10.4	25	SN	C 1.3	3	C	44		UFK
	KANZ	06	0915	0919	0938	S16 E52	4429	03	10.3	23	SN		2				
	LEAR	06	0915	0935	0940	S16 E53	4429	03	10.4	25	SN		3	C	34		K
0042		06	1145*	12111	1226	S17 E56	4429B	03	10.7	41	SN				35	.5	E
	RAMY	06	1145	1211	1230	S17 E55	4429B	03	10.7	45	SN	3	C		51		
	WEND	06	1155	1212	1225	S17 E56	4429B	03	10.7	30	SF		C	1212	34	.7	
	KANZ	06	1200	1212	1228	S17 E55	4429B	03	10.7	28	SN		2				
	HTPR	06	1208	1211	1219	S16 E56	4429B	03	10.7	11	SF		C	1211	20	.3	E
0043		06	16081	16091	1643	S16 E52	4429B	03	10.6	35	SF				29		F
	RAMY	06	1608	1609	1647	S16 E52	4429B	03	10.6	39	SF	3	C		39		
	HOLL	06	1609	1610	1639	S17 E53	4429B	03	10.7	30	SF	3	C		19		F
0044		06	1810	1814	1838	S16 E46	4429	03	10.2	28	SN				34		
	RAMY	06	1810	1814	1839	S16 E46	4429	03	10.2	29	SN	3	C		52		
	HOLL	06	1821E	1832U	1838	S17 E47	4429	03	10.3	17D	SF	3	C		17		
0045		06	21354	2144	2158	S16 E48	4429B	03	10.5	23	SF				71	1.6	F
	RAMY	06	2135	2144	2151D	S16 E46	4429B	03	10.4	16D	SF	3	C		53		F
	CULG	06	2136	2144	2158	S14 E48	4429B	03	10.5	22	SF		C	2144	110	1.6	F
	HOLL	06	2139	2144	2158	S17 E50	4429B	03	10.7	19	SF	3	C		50		F
0046	HOLL	06	2152	2153	2200	S12 W31	4427	03	4.6	8	SF	3	C		29		F
0047		07	0147	01531	0206	S06 E17	4432B	03	8.3	19	SN				36	.4	D
	CULG	07	0147	0153	0206	S05 E18	4432B	03	8.4	19	SF		P	0153	40	.4	
	YUNN	07	0147	0154	0205	S08 E16	4432B	03	8.3	18	SN		C		32	.3	D
0048		07	01562	0201	0225	S16 E59	4429B	03	11.5	29	1N				100	2.0	G
	CULG	07	0156	0201	0208U	S16 E60	4429B	03	11.6	12U	1N		P	0201	120	2.4	
	YUNN	07	0158	0201	0225	S17 E58	4429B	03	11.5	27	SN		P		80	1.5	G
		07	0544		0550		No Flare Patrol										
0049	HTPR	07	0954	0958	1002	S10 E10	4430	03	8.2	8	SN		C	0958	60	.6	E
0050	HTPR	07	0956	0959	1004	S17 E38	4429	03	10.3	8	SB		C	0959	20	.3	E
0051	RAMY	07	1800	1804	1824	S15 E37	4429	03	10.5	24	SF	3	C		31		
0052	RAMY	07	2031	2032	2032D	S10 E25	4431	03	9.7	1D	SF	3	C		37		F
0053	CULG	08	0003	0007	0014	S14 E29	4429	03	10.2	11	SN		C	0007	40	.4	F
0054		08	01554	01586	0218	S10 E44	4433	03	11.4	23	SN				28	.4	DGH
	YUNN	08	0155	0158	0214	S11 E45	4433	03	11.5	19	SN		C		16	.2	DG
	CULG	08	0159	0204	0221	S08 E44	4433	03	11.4	22	SF		C	0204	40	.5	H

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
								USAF Region								Mo	Day		Apparent (10-6 Disk)
0055	YUNN	08	0250	0254	0306	S16	E28	4429	03	10.2	16	SN		C		31	.4	D	
0056		08	06586	0707	0731	S10	E41	4433	03	11.4	33	SN	C 1.0			105	1.4	DG	
	ABST	08	0658	0707	0735	S10	E40	4433	03	11.3	37	SB		C	0707	131	1.7	D	
	ABST	08	0658	0707	0735	S10	E40	4433	03	11.3	37	SB		C	0707	131	1.7	D	
	YUNN	08	0702	0706U	0722	S12	E41	4433	03	11.4	20	SN	C 1.0	P	0706	126	1.7	G	
	CULG	08	0704	0711U	0718	S07	E40	4433	03	11.3	14	SN		P	0711	40	.5		
	LEAR	08	0717E	0717U	0747	S10	E45	4433	03	11.7	300	SF		3 C		99			
0057		08	0922	0926	0952	S10	E40	4433	03	11.4	30	1B	C 6.0			172	2.1	E	
	LEAR	08	0922	0926	0945D	S10	E42	4433	03	11.5	230	1B	C 6.0	3 C		184			
	HTPR	08	0929E		0952	S10	E38	4433	03	11.2	230	1N		C	0929	160	2.1	E	
0058		08	1134	1137	1203	S14	E24	4429	03	10.3	29	1N	C 3.9			274	3.8	EF	
	HTPR	08	1134		1143D	S14	E24	4429	03	10.3	30	1F		C	1137	350	3.8	E	
	RAMY	08	1134	1137	1203	S15	E25	4429	03	10.4	29	1B	C 3.9	3 C		198		FE	
0059	RAMY	08	1214	1215	1223	S11	E37	4433	03	11.3	9	SF		3 C		23			
0060	RAMY	08	1224	1225	1234	S10	E14	4431	03	9.6	10	SF		3 C		36		F	
		08	1504		1522	No Flare Patrol													
		08	2004		2006	No Flare Patrol													
0061	HOLL	08	2009	2012	2024	S12	E34	4433	03	11.4	15	SN		3 C		33			
0062		08	22401	22411	2246	S12	W59		03	4.5	6	SF				38	.8	D	
	VORO	08	2240	2241	2248	S13	W60		03	4.4	8	SF		C	2241	45	.9	D	
	HOLL	08	2241	2241	2246	S11	W58		03	4.6	5	SN		3 C		29			
	CULG	08	2241	2242	2243	S13	W58		03	4.6	2	SF		C	2242	40	.7		
0063		08	2342	23421	2401	S16	E19	4429	03	10.4	19	SF				29		F	
	HOLL	08	2342	2342	2407	S16	E18	4429	03	10.3	25	SF		3 C		27		F	
	PALE	08	2342	2343	2355	S15	E20	4429	03	10.5	13	SF		3 C		31			
0064	LEAR	09	0020	0020	0031	S09	E31	4433	03	11.3	11	SF		3 C		22			
0065	LEAR	09	0559	0607	0611	S11	W11	4430	03	8.4	12	SF		3 C		30			
0066		09	0741	07404	0748	S16	E11	4429	03	10.1	7	SF				44	.5		
	CATA	09	0735E	0740	0745	S16	E11	4429	03	10.1	10D	S		P	0740	45	.5		
	LEAR	09	0741	0744	0752	S16	E11	4429	03	10.1	11	SF		3 C		44			
		09	1037		1043	No Flare Patrol													
		09	1057		1103	No Flare Patrol													
		09	1117		1123	No Flare Patrol													
		09	1129		1135	No Flare Patrol													
		09	1157		1200	No Flare Patrol													
0067	RAMY	09	1201E	1205	1211	S11	W13	4430	03	8.5	10D	SF		3 C		21		F	
0068		09	12271	1228	1239	S12	E00	4431	03	9.5	12	SF				26			
	RAMY	09	1227	1228	1235	S12	E00	4431	03	9.5	12	SF		3 C		26			
	KANZ	09	1228	1228	1240D	S13	W00	4431	03	9.5	12D	SF		1					
0069		09	12361	12382	1245	S12	W14	4430	03	8.5	9	SN				21			
	KANZ	09	1236	1240	1240D	S12	W14	4430	03	8.5	4D	SF		1					
	RAMY	09	1237	1238	1245	S12	W13	4430	03	8.5	8	SN		3 C		21			
0070	RAMY	09	1304	1309	1319	S13	W01	4431	03	9.5	15	SF		3 C		30			
0071		09	1346*	1349*	1503	S12	W02	4431	03	9.4	77	SF				45		FK	
	RAMY	09	1346	1348	1512	S12	W02	4431	03	9.4	86	SF		3 C		31		K	
	RAMY	09	1346	1441	1512	S12	W02	4431	03	9.4	86	SN		3 C		74		K	
	HOLL	09	1439	1440	1446	S12	W01	4431	03	9.5	7	SF		3 C		29		F	
0072	RAMY	09	1618	1619	1615	S13	W02	4431	03	9.5	7	SF		3 C		41			

H - ALPHA SOLAR FLARES

75
Mar 84

MARCH 1984

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	
						Region	Class									Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
		09	1752		1756	No Flare Patrol													
0073		09	23552	23572	2408	S10	E17	4433	03	11.3	13	SF				54	.7	F	
	CULG	09	2355	2357	2400D	S08	E17	4433	03	11.3	50	SF		P	2357	70	.7	F	
	LEAR	09	2356	2359	2409	S11	E17	4433	03	11.3	13	SF	3	C		50		F	
	PALE	09	2357		2406	S10	E17	4433	03	11.3	9	SF	3	C		41			
0074		10	0149	01543	0205	S11	W07	4431	03	9.5	16	SB				62	.6	F	
	CULG	10	0149	0152U	0202	S11	W07	4431	03	9.5	13	SB		P	0152	60	.6	F	
	PALE	10	0149	0156	0210	S11	W07	4431	03	9.5	21	SN	3	C		65		F	
	LEAR	10	0149	0157	0208	S12	W07	4431	03	9.5	19	SB	3	C		59			
	YUNN	10	0150E	0154	0201	S11	W07	4431	03	9.5	11D	SN		P		63	.7		
0075	LEAR	10	0537	0539	0547	S09	W09	4431	03	9.5	10	SF	3	C		37			
0076		10	1344	13445	1354	S10	E10	4433	03	11.3	10	SF				35		F	
	KANZ	10	1344	1344	1352	S11	E10	4433	03	11.3	8	SF	1						
	RAMY	10	1344	1349	1355	S10	E11	4433	03	11.4	11	SF	3	C		35		F	
0077	HOLL	10	1400E	1400U	1406	S11	W42	4432	03	7.4	6D	SN	2	C		64		F	
0078	KANZ	10	1435	1435	1446	S12	W17	4431	03	9.3	11	SF	1						
0079	RAMY	10	1957	1959	2009	S11	W19	4431	03	9.4	12	SF	3	C		40			
		10	2149		2205	No Flare Patrol													
0080		11	0133	0134	0147	S17	W15	4429	03	9.9	14	SN				65	.7	DEI	
	LEAR	11	0133	0134	0145	S18	W14	4429	03	10.0	12	SN	3	C		67			
	VORO	11	0133	0134	0145	S17	W15	4429	03	9.9	12	SF		C	0134	81	.9	EI	
	YUNN	11	0135E	0135U	0151	S17	W15	4429	03	9.9	16D	SN		P	0135	47	.5	D	
0081	LEAR	11	0928	0928	0937	S09	W01	4433	03	11.3	9	SN	3	C		45			
0082		11	1015	10164	1048	S10	W22	4431	03	9.8	33	SN				197	2.3	D	
	KHAR	11	1013E	1016	1048D	S10	W20	4431	03	9.9	35D	SN		V	1016			D	
	KHAR	11	1013E	1016	1048	S10	W20	4431	03	9.9	35D	SN		V	1016			D	
	CATA	11	1015	1020	1035D	S11	W27	4431	03	9.4	20D	1	2	C	1020	197	2.3		
		11	1101		1212	No Flare Patrol													
		11	1247		1337	No Flare Patrol													
0083	RAMY	11	1304	1304	1313	S11	W01	4433	03	11.5	9	SF	3	C		24			
		11	1351		1423	No Flare Patrol													
0084	RAMY	11	1525	1525	1538	S11	W02	4433	03	11.5	13	SF	3	C		38			
		11	1536		1538	No Flare Patrol													
		11	1546		1552	No Flare Patrol													
		11	1626		1631	No Flare Patrol													
0085	HOLL	11	2102	2104	2107	S19	E20	4436	03	13.4	5	SF	3	C		29			
0086	HOLL	11	2234	2241	2245	S10	W05	4433	03	11.6	11	SF	3	C		21		F	
0087		12	0201	0202	0214	S10	W08	4433	03	11.5	13	SN				110	1.5	F	
	URUM	12	0157E	0157U	0216	S10	W09	4433	03	11.4	19D	SN		P	0157	141	1.5	F	
	LEAR	12	0201	0202	0213	S11	W06	4433	03	11.6	12	SN	3	C		78		F	
0088		12	05293	05348	0557	S12	W37	4431	03	9.4	28	SF				60	.7	F	
	LEAR	12	0529	0534	0602	S11	W37	4431	03	9.4	33	SF	3	C		59		F	
	CULG	12	0532	0542	0552	S13	W37	4431	03	9.4	20	SF		C	0542	60	.7		
0089	URUM	12	0600	0615	0615	S08	W12	4433	03	11.3	15	SN		C		79	.8		
0090	LEAR	12	0838	0838	0841	S05	W79		03	6.4	3	SF	3	C		25			

76
Mar 84

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CND	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)		
0091	LEAR	12	0916	0916	0921	S18	E13	4436	03	13.4	5	SN		3	C		22		F	
0092	KHAR	12	1100E	1102	1105D	S06	W17	4433	03	11.2	5D	SF			V	1102			D	
0093	RAMY	12	1148E	1213	1243	S09	W16	4433	03	11.3	55D	SF		3	C		113			
0094	RAMY	12	1223	1224	1235	S18	E11	4436	03	13.3	12	SN		3	C		40			
0095	RAMY	12	1355	1358	1406	S13	W43	4431	03	9.3	11	SB		3	C		47			
0096	RAMY	12	1636	1647	1728	S12	W42	4431	03	9.5	52	1B C 1.4		3	C		225		F	
0097		12	1752*	1800*	1913	S10	W18	4433	03	11.4	81	1B C 7.0					238		EFK	
	PALE	12	1752	1800	1800D	S10	W19	4433	03	11.3	8D	1B C 7.0		3	C		356		FE	
	HOLL	12	1759	1800	1803D	S09	W19	4433	03	11.3	4D	1B C 7.0		3	C		222			
	RAMY	12	1808		1913	S11	W18	4433	03	11.4	65	1N		3	C				FK	
	RAMY	12	1808	1832	1913	S11	W18	4433	03	11.4	65	1N		3	C		135		K	
0098		12	2008*	2010*	2034	S10	W20	4433	03	11.3	26	SN					48		FK	
	HOLL	12	2008	2011	2040	S09	W20	4433	03	11.3	32	SF		3	C		51		K	
	HOLL	12	2008	2026	2040	S09	W20	4433	03	11.3	32	SN		3	C		66		FK	
	RAMY	12	2009	2010	2019	S10	W20	4433	03	11.3	10	SN		3	C		28		F	
	RAMY	12	2021	2026	2036	S10	W20	4433	03	11.3	15	SN		3	C		49		F	
0099		12	2041*	20571	2233	S10	W20	4433	03	11.3	112	SN					46			
	HOLL	12	2041	2057	2233	S10	W20	4433	03	11.3	112	SN		3	C		52			
	RAMY	12	2053	2058	2208D	S10	W20	4433	03	11.4	75D	SN		3	C		40			
0100		12	2234	2240*	2425	S10	W21	4433	03	11.4	111	SN C 1.4					112		EFK	
	HOLL	12	2234	2240	2416D	S09	W22	4433	03	11.3	102D	SN		3	C		38		K	
	HOLL	12	2234	2354	2416D	S09	W22	4433	03	11.3	12D	SB C 1.4		3	C		92		FEK	
	LEAR	12	2338E	2338	2425	S10	W20	4433	03	11.5	47D	SF			C		114		K	
	LEAR	12	2338E	2354	2425	S10	W20	4433	03	11.5	47D	1B C 1.4		3	C		205		K	
0101	LEAR	13	0343	0347	0358	S09	W24	4433	03	11.3	15	SB C 1.9		3	C		82			
0102	LEAR	13	0416	0433	0436	S11	W25	4433	03	11.3	20	SN C 1.1		3	C		30			
0103	LEAR	13	0452	0452	0457	S09	W25	4433	03	11.3	5	SN C 1.0		3	C		27			
0104	LEAR	13	0522	0528	0551	S10	W25	4433	03	11.3	29	SB C 4.2		3	C		99		FU	
0105	LEAR	13	0629	0631	0639	S12	W51	4431	03	9.4	10	SF		3	C		25		F	
0106	LEAR	13	0707	0709	0720	S10	W26	4433	03	11.3	13	SN C 1.3		3	C		32		F	
0107		13	0727	07291	0802	S09	W26	4433	03	11.3	35	1B M 2.0					235	2.8	FU	
	LEAR	13	0727	0729	0801	S10	W26	4433	03	11.3	34	1B M 2.0		3	C		206		UF	
	YUNN	13	0728E	0728U	0804	S09	W27	4433	03	11.3	36D	2B M 2.0		P	0728	472	5.4			
	CATA	13	0730E	0730	0750D	S09	W26	4433	03	11.4	20D	S		2	P	0730	28	.3		
0108		13	13065	13132	1332	S09	W30	4433	03	11.3	26	SB C 2.3					57	.5	EF	
	RAMY	13	1306	1313	1337	S09	W30	4433	03	11.3	31	SB C 2.3		3	C		66		FE	
	ATHN	13	1308	1313	1324	S08	W29	4433	03	11.4	16	SB C 2.3		2	V	1313	48	.5		
	KANZ	13	1311	1315	1334	S09	W30	4433	03	11.3	23	SN		2						
0109		13	1526	1530*	1606	S10	W32	4433	03	11.2	40	SB C 2.2					80		EFK	
	RAMY	13	1526	1530	1606	S10	W32	4433	03	11.2	40	SN		3	C		63		K	
	RAMY	13	1526	1544	1606	S10	W32	4433	03	11.2	40	SB C 2.2		3	C		96		FEK	
		13	1557		1841			No Flare Patrol												
		13	1926		1.40			No Flare Patrol												
		13	2044		2231			No Flare Patrol												
0110	YUNN	14	0117	0122	0147	S14	W39	4429	03	11.1	30	SF			P		16	.2		
0111		14	03152	0324*	0502	S11	W43	4433	03	10.9	107	2B M 2.0					721	10.3	CEFIKLSW	
	LEAR	14	0315	0324	0550	S11	W43	4433	03	10.9	155	2B M 2.0		3	C		589		FEK	
	LEAR	14	0315	0443	0550	S11	W43	4433	03	10.9	155	SN		3	C		128		K	
	YORO	14	0316	0326	0343	S10	W43	4433	03	10.9	27	2F			C	0334	878	12.3	EKLSWZ	
	YUNN	14	0317	0325		S09	W43	4433	03	10.9		1B			P		314	4.4	FKW	
	KODA	14	0323E	0324	0445D	S10	W42	4433	03	11.0	82D	4B			P	0324	2858	29.5	C1L	
	PALE	14	0326E	0326U	0355D	S10	W45	4433	03	10.8	29D	2B		3	C		610		FE	
	YUNN	14	0342E	0342	0510	S12	W41	4433	03	11.1	89D	1B			C		314	4.3		
	URUM	14	0347E	0347U	0437	S13	W42	4433	03	11.0	50D	SN			P	0347	79	1.1		

H - ALPHA SOLAR FLARES

77
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Area Measurement			Remarks		
								USAF Region					Mo	Day	(Min)		Opt	Xray
0112	LEAR	14	0513	0514	0522	S05	E07	4438	03	14.7	9	SF	3	C		29		
0113	MANI	14	0611E	0613	0649	S10	W38	4433	03	11.4	38D	1N	1	V		175	2.3	
0114	RAMY	14	1317	1325	1334D	S20	E62	4437	03	19.3	17D	SF	3	C		50		F
			14 1519		1607			No Flare Patrol										
			14 1832		1847			No Flare Patrol										
			14 1904		1907			No Flare Patrol										
			14 1932		1935			No Flare Patrol										
			14 1942		1947			No Flare Patrol										
			14 2028		2040			No Flare Patrol										
			14 2044		2108			No Flare Patrol										
			14 2259		2302			No Flare Patrol										
0115	YUNN	15	0128	0132	0147	N11	E89	4443	03	21.7	19			C				AT
0116		15	0803I	0804*	0821	N11	E75	4441	03	21.0	18	SN C 3.6				51	1.5	ADT
	LEAR	15	0803	0804	0840D	N11	E77	4441	03	21.1	37D	SB C 3.6	1	C		50		
	WEND	15	0803	0806	0814	N12	E75	4441	03	21.0	11	SN C 3.6		C	0806	50		A
	MANI	15	0804	0805	0819D	N10	E77	4441	03	21.1	15D	SB	1	V		60	1.5	
	URUM	15	0804	0808	0814	N10	E70	4441	03	20.6	10	1N		C		63		
	YUNN	15	0816E	0817	0836	N11	E79	4441	03	21.3	20D	SN		P		31		ADT
0117	YUNN	15	0805	0808	0815D	N12	E88	4443	03	22.0	10D			P				AT
0118	RAMY	15	1149	1154	1303D	S05	W14	4438	03	14.4	74D	SF C 1.8	3	C		39		
		15	1304		1336			No Flare Patrol										
0119		15	1359	1414*	1505	S05	W15	4438	03	14.5	66	SN				39		K
	RAMY	15	1359	1414	1505	S05	W15	4438	03	14.5	66	SN	3	C		35		K
	RAMY	15	1359	1431	1505	S05	W15	4438	03	14.5	66	SF	3	C		43		K
0120	RAMY	15	1452	1455	1503	S10	W58	4433	03	11.3	11	SF	3	C		16		
0121		15	1510*	1530*	1623	S05	W13	4438	03	14.6	73	SN				67		FK
	RAMY	15	1510	1530	1641	S05	W14	4438	03	14.6	91	SN	3	C		60		K
	RAMY	15	1510	1609	1641	S05	W14	4438	03	14.6	91	SF	3	C		62		K
	HOLL	15	1528	1531	1548	S05	W11	4438	03	14.8	20	SN	3	C		78		F
0122		15	1529I	1530I	1552	S10	W57	4433	03	11.4	23	SN				24		
	RAMY	15	1529	1530	1605	S10	W57	4433	03	11.4	36	SN	3	C		30		
	HOLL	15	1530	1531	1540	S09	W57	4433	03	11.4	10	SF	3	C		19		
0123	HOLL	15	1709	1709	1714	S04	W15	4438	03	14.6	5	SF	3	C		24		F
0124		15	1807*	1807*	1810	S05	W16	4438	03	14.5	3	SF				30		F
	HOLL	15	1807	1807	1810	S05	W14	4438	03	14.7	3	SF	3	C		28		F
	RAMY	15	1819	1819	1907D	S05	W18	4438	03	14.4	48D	SF	3	C		32		
0125	HOLL	15	1900	1910	1914	S10	W58	4433	03	11.4	14	SF	3	C		18		
0126	PALE	15	2003	2003U	2030	S03	W16	4438	03	14.6	27	SF	2	C		31		
0127	RAMY	15	2137	2143	2156D	N11	E79	4441	03	21.8	19D	SF	3	C		64		
0128	CULG	16	0120	0126	0143	S04	W17	4438	03	14.8	23	SF		C	0126	100	1.0	F
0129		16	0145	0150	0202	N16	E85	4443	03	22.5	17	SN C 1.8				36		AK
	LEAR	16	0145	0150	0202	N17	E82	4443	03	22.3	17	SF C 1.8	1	C		42		
	YUNN	16	0150E	0150C		N16	E88	4443	03	22.7		D SN C 1.8		P	0150	31		AK
0130		16	0208*	0211*	0227	N15	E81	4443	03	22.2	19	SN C 3.4				28		
	MANI	16	0208	0211	0216	N16	E80	4443	03	22.1	8	SN C 3.4	1	V		35		
	LEAR	16	0209	0213	0218	N15	E79	4443	03	22.1	9	SN C 3.4	3	C		29		
	YUNN	16	0214E	0214	0235	N16	E88	4443	03	22.8	21D	SN C 3.4		C		31		
	LEAR	16	0229	0231	0238	N14	E76	4443	03	21.8	9	SF	3	C		16		

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Time (UT)	Area Measurement		Remarks		
						Region	Lat CMD							Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0131	YUNN	16	0321E	0321U	0321D	S16 W50	4442	03	12.3	90	SN		P	0321	24	.4		
0132	LEAR	16	0538	0538	0546	S05 W24	4438	03	14.4	8	SF		3	C		41		
0133		16	0547*	0610*	0747	S04 W25	4438	03	14.4	120	SN C 2.3				96	1.1	EFHKU	
	LEAR	16	0547	0617	0709	S05 W25	4438	03	14.4	82	SN		3	C	87		K	
	LEAR	16	0547	0646	0709	S05 W25	4438	03	14.4	82	SN C 2.3		3	C	104		UFG	
	YUNN	16	0606	0610	0615D	S03 W19	4438	03	14.8	90	SF		P		31	.3		
	PEKG	16	0652E	0654	0825	S05 W25	4438	03	14.4	93D	SN		P	0654	147	1.7	EK	
	PEKG	16	0652E	0744	0825	S05 W27	4438	03	14.3	93D	SN		P	0744	168	1.9	E	
	LEAR	16	0710	0724	0742	S05 W26	4438	03	14.3	32	SB C 4.2		3	C	108		FHK	
	LEAR	16	0710	0730	0742	S05 W26	4438	03	14.3	32	SN		3	C	60		K	
	MANI	16	0715E	0720	0745	S05 W26	4438	03	14.3	30D	SB C 4.2		1	V	95	1.1	F	
	ATHN	16	0718	0726	0744	S04 W23	4438	03	14.6	26	SN C 4.2		1	V	0726	80	.9	
	WEND	16	0725E		0800	S04 W25	4438	03	14.4	35D	SN C 4.2		C	0726	80	.9		
0134	LEAR	16	0635	0645	0701	S20 W41	4436	03	13.1	26	SF		3	C		43		F
0135	LEAR	16	0637	0639	0642	N10 E71	4441	03	21.6	5	SF		3	C		32		
0136		16	0730*	08001	0816	S22 E38	4437	03	19.2	46	SF				52	.4	EF	
	LEAR	16	0730	0801	0819	S23 E37	4437	03	19.2	49	SF		3	C	77		F	
	WEND	16	0751	0800	0812	S22 E38	4437	03	19.2	21	SF		C	0800	28	.4	E	
0137		16	08534	0858*	0921	N15 E78	4443	03	22.3	28	1B				83	1.4	F	
	CATA	16	0850E	0910	0910D	N13 E77	4443	03	22.2	20D	1		2	P	0910	56		
	WEND	16	0853	0908	0940	N13 E74	4443	03	21.9	47	1N		C	0910	112			
	LEAR	16	0854	0906	0923	N16 E70	4443	03	21.7	29	SB		3	C	79		F	
	MANI	16	0855	0858	0922	N16 E71	4443	03	21.7	27	SN		1	V	65	1.4		
	ATHN	16	0855	0859	0924	N13 E83	4443	03	22.6	29	SB		2	V	0859	64		
	MANI	16	0855	0859	0923	N13 E83	4443	03	22.6	27	SB		1	V				
	YUNN	16	0857E	0858	0902	N18 E88	4443	03	23.1	5D	1N		P		63			
	URUM	16	0857	0906	0913	N16 E74	4443	03	22.0	16	1B		C		141			
0138		16	0854*	0854*	0912	N11 E66	4441	03	21.3	18	SB				29	.7	F	
	LEAR	16	0854	0854	0905	N11 E66	4441	03	21.3	11	SN		3	C	12			
	MANI	16	0905	0906	0917	N11 E65	4441	03	21.3	12	SB		1	V	35	.7		
	LEAR	16	0906	0906	0915	N11 E66	4441	03	21.3	9	SB		3	C	40		F	
0139	WEND	16	0931E		1014D	S08 W69	4433	03	11.2	43D	SF		C	0944	38			
0140		16	10022	10063	1017	S04 W28	4438	03	14.3	15	SN				40	.5		
	LEAR	16	1002	1006	1007D	S05 W28	4438	03	14.3	5D	SN		3	C	36			
	WEND	16	1004	1009	1017	S04 W27	4438	03	14.4	13	SF		C	1009	44	.5		
0141	WEND	16	1136	1142	1154	S02 W25	4438	03	14.6	18	SN		C	1142	37	.4	D	
0142		16	12211	12252	1236	N10 E73	4443	03	22.0	15	SN C 1.8				34			
	RAMY	16	1221	1227	1244D	N11 E74	4443	03	22.1	23D	SF C 1.3		3	C	60			
	WEND	16	1222	1225	1236	N10 E72	4443	03	21.9	14	SN C 1.8		C	1225	68			
0143	WEND	16	1253	1257	1302	S04 W33	4438	03	14.1	9	SF		C	1257	28	.3		
0144	WEND	16	1522	1526	1535D	S25 E31	4437	03	19.0	13D	SN		C	1526	25	.3	E	
0145	RAMY	16	1835	1839	1905	S05 W32	4438	03	14.4	30	SN		3	C		37		
0146	RAMY	16	1925	1935	1941	S04 W28	4438	03	14.7	16	SF		3	C		44		
0147	RAMY	16	1959	2002	2016	S05 W32	4438	03	14.4	17	SN		3	C		26		
0148		16	21233	2126*	2132	S04 W28	4438	03	14.8	9	SN C 2.0				124	1.7	EFK	
	RAMY	16	2123	2126	2207D	S04 W28	4438	03	14.8	44D	SB C 2.0		3	C	154		FEK	
	RAMY	16	2123	2204	2207D	S04 W28	4438	03	14.8	44D	SN		3	C	58		K	
	CULG	16	2126	2127	2132	S04 W29	4438	03	14.7	6	SF		C	2127	160	1.7		
0149		16	2224*	2228*	2304	S05 W31	4438	03	14.6	40	SN C 2.0				66	1.1	F	
	HOLL	16	2202E	2228	2236D	S04 W33	4438	03	14.4	36D	SN C 2.0		3	C	71		F	
	CULG	16	2224	2246	2250	S06 W27	4438	03	14.9	26	SN		C	2246	100	1.1		
	HOLL	16	2253	2255	2319	S04 W34	4438	03	14.4	26	SF		3	C	26		F	

H - ALPHA SOLAR FLARES

79
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks		
						Region	Lat CMD							Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)	
0150	HOLL	16	2341	2341	2350	S02	W30	4438	03	14.7	9	SN	3	C	36		F	
0151		17	0002	0007	0039	S03	W32	4438	03	14.6	37	SN	C 2.1		62		FK	
	HOLL	17	0002	0015	0040	S02	W31	4438	03	14.7	390	SN	C 2.1	3	C	70		F
	LEAR	17	0005	0007	0039	S03	W33	4438	03	14.5	34	SN		3	C	74		K
	LEAR	17	0005	0015	0039	S03	W33	4438	03	14.5	34	SN	C 2.1	3	C	42		FK
0152		17	0052	0103	0114	S06	W34	4438	03	14.5	19	SN	C 2.0		86		F	
	PALE	17	0055	0103	0114	S06	W33	4438	03	14.6	19	SF	C 2.0	3	C	130		
	LEAR	17	0057	0106	0115	S05	W34	4438	03	14.5	18	SN	C 2.0	3	C	43		F
0153		17	0143	0147	0203	S04	W34	4438	03	14.5	20	SN	C 2.0		61		F	
	LEAR	17	0143	0147	0157	S05	W34	4438	03	14.5	14	SN	C 2.0	3	C	42		F
	PALE	17	0150	0151	0209	S04	W33	4438	03	14.6	19	SF	C 2.0	3	C	80		
0154	LEAR	17	0251	0252	0259	S05	W35	4438	03	14.5	8	SN		3	C	27		
0155	YUNN	17	0354E	0355U	0403	N05	W06	4444A	03	16.7	90	SN		P	0355	31	.3	
0156		17	0603	0608	0635	N13	E65	4443	03	22.1	32	SN	C 4.8		75	1.0	EF	
	PEKG	17	0603	0608	0628	N13	E66	4443	03	22.2	25	SN	C 4.8	P	0608	126		E
	YUNN	17	0603	0608	0643	N13	E67	4443	03	22.3	40	1N	C 4.8	C		79		
	LEAR	17	0607	0608	0640	N14	E65	4443	03	22.2	33	SN	C 4.8	3	C	45		F
	CULG	17	0617E	0617U	0629	N13	E62	4443	03	21.9	120	SF		C	0617	50	1.0	
0157	YUNN	17	0651E	0651U	0651D	S04	W36	4438	03	14.6	120	SN		P	0651	47	.6	
0158		17	0830	0830	0844	S02	W36	4438	03	14.7	14	SN			126		1.6	
	CATA	17	0830	0830	0845	S02	W35	4438	03	14.7	15	S		2	C	0830	112	1.4
	YUNN	17	0832	0835	0844	S01	W36	4438	03	14.7	12	SN		C		141	1.8	
0159	LEAR	17	0856	0856	0900	N15	E64	4443	03	22.2	4	SF		3	C	25		
0160		17	0905	0905	0914	S03	W35	4438	03	14.8	9	SN	C 2.6		44	1.1	K	
	LEAR	17	0905	0905	0914	S03	W35	4438	03	14.8	9	SN	C 2.6	3	C	23		K
	CATA	17	0905	0910	0915	S02	W36	4438	03	14.7	10	S		2	C	0910	84	1.1
	LEAR	17	0905	0911	0914	S03	W35	4438	03	14.8	9	SN		3	C	26		K
0161		17	0922	0925	1016	N11	E62	4443	03	22.0	54	1N	M 1.3		79	1.8	F	
	LEAR	17	0922	0926	09560	N14	E63	4443	03	22.1	340	1N	M 1.3	3	C	107		F
	CATA	17	0925	0925	0935	N14	E64	4443	03	22.2	10	S		2	C	0925	56	
	CATA	17	0925	0925	09500	N09	E63	4443	03	22.1	250	1		2	P	0925	84	2.0
	WEND	17	0930E		1044	N11	E62	4443	03	22.1	740	SN	M 1.3	C	0930	70	1.6	
	KANZ	17	0931E	0931U	1026	N08	E60	4443	03	21.9	570	1F		1				
0162		17	0946	0954	0958	S06	W43	4438	03	14.2	12	SF			32			
	LEAR	17	0946	0954	09560	S06	W44	4438	03	14.1	100	SF		3	C	32		
	KANZ	17	0953	0954	0958	S06	W42	4438	03	14.3	5	SF		1				
0163		17	1420	1421	1440	N12	E48	4441	03	21.2	20	SF			80	1.3	E	
	WEND	17	1420	1425	1442	N12	E48	4441	03	21.2	22	SF		C	1425	80	1.3	
	KANZ	17	1421	1421	1437	N13	E48	4441	03	21.2	16	SF		2				E
0164		17	1453	1459	1505	S04	W42	4438	03	14.5	12	SN	C 2.0		37			
	HOLL	17	1453	1459	1506	S03	W42	4438	03	14.5	13	SN	C 2.0	3	C	37		
	KANZ	17	1500	1500	1504	S04	W42	4438	03	14.5	4	SN		2				
0165	HOLL	17	1643	1643	1704	S22	E19	4437	03	19.1	21	SF		3	C	25		
0166		17	1759	1812	1820	S22	E20	4437	03	19.3	21	SF	C 1.5		63			
	PALE	17	1759	1812	1820	S21	E19	4437	03	19.2	21	SF	C 1.5	3	C	40		
	RAMY	17	1814E	1814U	18310	S22	E21	4437	03	19.4	170	SF	C 1.5	3	C	86		
0167		17	1839	1843	1846	S04	W44	4438	03	14.5	7	SN			31			
	RAMY	17	1814E	1815U	18310	S06	W45	4438	03	14.4	170	SF		3	C	38		
	HOLL	17	1839	1843	1846	S03	W44	4438	03	14.5	7	SN		3	C	24		
0168		17	2114	2110U	2140	S22	E17	4437	03	19.2	26	SN	C 1.1		87			
	HOLL	17	2110E	2110U	2140	S22	E17	4437	03	19.2	300	SF	C 1.1	3	C	79		
	PALE	17	2114	2117U	21250	S23	E17	4437	03	19.2	110	SN	C 1.1	3	C	95		

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Remarks			
								USAF						RegIon	Mo		Day	(Min)	Opt
0169	LEAR	17	2317	2336	2401	S22	E17	4437	03	19.3	44	SF		3	C		62		
0170		17	2329	2332 ⁵	2416	S04	W51	4438	03	14.2	47	SN					42	FK	
	LEAR	17	2329	2332	2416	S04	W51	4438	03	14.2	47	SN		3	C		34	FK	
	LEAR	17	2329	2337	2416	S04	W51	4438	03	14.2	47	SN		3	C		51	K	
0171	LEAR	18	0025	0027	0045	N15	E55	4443	03	22.2	20	SN		3	C		32		
0172	LEAR	18	0046	0050	0114	N15	E55	4443	03	22.2	28	SF	C 2.2	3	C		52		
0173		18	0032*	0034*	0136	S04	W48	4438	03	14.4	64	SN	C 1.1				42		
	LEAR	18	0032	0034	0136	S05	W49	4438	03	14.3	59	SN	C 1.1	3	C		42		
	PALE	18	0129	0132	0141	S03	W47	4438	03	14.5	12	SF		3	C		43		
0174		18	01523	01567	0214	S05	W50	4438	03	14.3	22	SN					42	.6	F
	PALE	18	0152	0203	0218	S06	W50	4438	03	14.3	26	SN		3	C		51		
	LEAR	18	0155	0156	0208	S04	W50	4438	03	14.3	13	SN		3	C		41		
	MANI	18	0156E	0156	0215	S04	W50	4438	03	14.3	19D	SF		1	V		35	.6	F
0175	LEAR	18	0513	0525	0533	S05	W53	4438	03	14.2	20	SF		3	C		23		
0176		18	07591	08021	0811	S04	W53	4438	03	14.4	12	SF	C 1.5				56	.4	E
	LEAR	18	0759	0803	0814	S03	W55	4438	03	14.2	15	SF	C 1.5	3	C		90		
	WEND	18	0800	0802	0808	S04	W51	4438	03	14.5	8	SF			C	0802	22	.4	E
0177		18	08281	08333	0840	S04	W52	4438	03	14.5	12	SF					27		
	LEAR	18	0828	0836	0841	S05	W53	4438	03	14.4	13	SF		3	C		27		
	KANZ	18	0829	0833	0840	S04	W52	4438	03	14.5	11	SF		1					
0178		18	08452	08531	0902	S04	W52	4438	03	14.5	17	SF					53		
	LEAR	18	0845	0853	0903	S03	W51	4438	03	14.5	18	SF		3	C		53		
	KANZ	18	0847	0854	0902	S04	W52	4438	03	14.5	15	SF		2					
0179		18	08144	08563	0904	N16	E50	4443	03	22.2	10	SF					36	.5	
	WEND	18	0854	0856	0905	N16	E50	4443	03	22.2	11	SN		C	0856		30	.5	
	LEAR	18	0856	0859	0902	N16	E51	4443	03	22.2	6	SN		3	C		43		
	KANZ	18	0858	0858	0905	N16	E50	4443	03	22.2	7	SF		2					
0180		18	09331	09331	0940	S06	W55	4438	03	14.3	7	SF					17		
	LEAR	18	0933	0933	0938	S06	W58	4438	03	14.0	5	SF		3	C		17		
	KANZ	18	0934	0934	0942	S05	W52	4438	03	14.5	8	SF		2					
		18	1207		1209	No Flare Patrol													
0181		18	1241	1241	1328	S05	W58	4438	03	14.2	47	SN					74		
	KANZ	18	1241	1241	1249D	S05	W59	4438	03	14.1	8D	SN		1					
	RAMY	18	1241E	1241U	1328	S05	W58	4438	03	14.2	47D	SN		3	C		74		
		18	1245		1248	No Flare Patrol													
0182	RAMY	18	1316	1319	1338	N19	E47	4443	03	22.1	22	SF		3	C		23		
0183	RAMY	18	1607	1617	1630	S22	E07	4437	03	19.2	23	SF		3	C		49		
0184		18	16491	16546	1717	S06	W59	4438	03	14.3	28	SF	C 1.3				65		
	HOLL	18	1649	1700	1724	S04	W56	4438	03	14.5	35	SF	C 1.3	3	C		84	FK	
	RAMY	18	1650	1654	1713	S07	W60	4438	03	14.2	23	SF		3	C		50	K	
	RAMY	18	1650	1700	1713	S07	W60	4438	03	14.2	23	SN	C 1.3	3	C		62	FK	
0185		18	1812	1814	1822	S04	W58	4438	03	14.4	10	SN	C 1.3				48		
	HOLL	18	1812	1814	1818	S03	W58	4438	03	14.4	6	SF	C 1.3	2	C		34		
	RAMY	18	1812	1814	1821	S04	W59	4438	03	14.3	9	SN	C 1.3	3	C		57	F	
	PALE	18	1812	1814	1826	S05	W56	4438	03	14.6	14	SN	C 1.3	3	C		53		
0186		18	18477	1856	1901	S04	W58	4438	03	14.4	14	SF					50		
	RAMY	18	1847	1856	1901	S05	W59	4438	03	14.4	14	SF		3	C		64	F	
	HOLL	18	1854	1856U	1856D	S03	W58	4438	03	14.4	2D	SF		3	C		37		

H - ALPHA SOLAR FLARES

81
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Lat	Cmd	Region								Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0187	RAMY	18	1918	1923	1929	S04	W60	4438	03	14.3	11	SF	3	C		33		
0188	RAMY	18	1944	1954	2002	S06	W62	4438	03	14.2	18	SF	3	C		20		
0189	RAMY	18	2012	2026	2057	S07	W63	4438	03	14.1	45	SF C 1.2	3	C		28		F
0190		18	2143I	2149*	2246	N12	E42	4443	03	22.1	63	SN C 2.3				142	1.1	F
	RAMY	18	2143	2200	2208D	N10	E42	4443	03	22.1	250	IN C 2.3	3	C		191		F
	HOLL	18	2144	2149	2300	N13	E43	4443	03	22.2	76	SN	3	C		155		F
	CULG	18	2205E	2210U	2231	N12	E42	4443	03	22.1	260	SF		P	2210	80	1.1	
0191	HOLL	18	2151	2151	2203	S03	W62	4438	03	14.3	12	SF	3	C		31		
0192	LEAR	19	0052	0055	0102	N16	E41	4443	03	22.1	10	SF	3	C		17		F
0193		19	01442	01471	0156	S04	W62	4438	03	14.4	12	SN C 4.1				73	1.2	DF
	PEKG	19	0144	0148	0153	S05	W67	4438	03	14.1	9	SN C 4.1		P	0148	76		D
	MANI	19	0146E	0147	0149D	S03	W60	4438	03	14.6	30	SN C 4.1	1	V		65	1.2	
	LEAR	19	0146	0147	0159	S03	W60	4438	03	14.6	13	SB C 4.1	3	C		78		F
0194	LEAR	19	0247	0249	0301	N11	E27	4441	03	21.1	14	SF	3	C		40		F
0195		19	02563	03023	0324	N16	E40	4443	03	22.1	28	SN C 1.8				64	.7	FT
	LEAR	19	0256	0305	0328	N16	E40	4443	03	22.1	32	SN C 1.8	3	C		81		F
	YUNN	19	0259	0302	0319	N17	E41	4443	03	22.2	20	SN C 1.8		C		47	.7	T
0196		19	06223	0622*	0659	N17	E37	4443	03	22.1	37	SN C 1.1				89	1.4	EFKT
	LEAR	19	0622	0622	0710	N17	E37	4443	03	22.1	48	SF	3	C		25		K
	LEAR	19	0622	0633	0710	N17	E37	4443	03	22.1	48	SN C 1.1	3	C		121		FK
	YUNN	19	0623	0635	0647	N17	E38	4443	03	22.1	24	SN C 1.1		C		63	.9	T
	CULG	19	0625	0631	0648	N19	E35	4443	03	21.9	23	SF		C	0631	40	.5	
	PEKG	19	0631E	0631	0631D	N17	E38	4443	03	22.1	230	IN C 1.1		P	0631	198	2.8	E
0197		19	0708*	0712*	0730	N12	E64	4446	03	24.1	22	SN				20		
	LEAR	19	0708	0712	0722	N12	E66	4446	03	24.3	14	SN	3	C		22		
	LEAR	19	0724	0724	0739	N13	E63	4446	03	24.1	15	SN	3	C		18		
0198	LEAR	19	0710	0714	0721	S06	W68	4438	03	14.2	11	SF C 1.2	3	C		33		F
0199		19	09012	09072	0928	N13	E37	4443	03	22.2	27	SN				81	1.1	DFT
	WEND	19	0901	0909	0930	N11	E37	4443	03	22.1	29	SN		C	0909	68	.9	
	LEAR	19	0902	0907	0929	N12	E36	4443	03	22.1	27	SN	3	C		82		F
	YUNN	19	0903	0907	0925	N15	E37	4443	03	22.2	22	SN		C		94	1.3	T
	KHAR	19	0907E		0932D	N13	E37	4443	03	22.2	250	SN		V	0921			D
0200	RAMY	19	1208	1208	1224	N12	E35	4443	03	22.1	16	SF	3	C		38		F
0201		19	14222	1427*	1504	N13	E34	4443	03	22.2	42	SN C 1.0				85	1.3	FK
	RAMY	19	1422	1427	1514	N13	E34	4443	03	22.2	52	SN C 1.0	3	C		117		FK
	WEND	19	1422	1428	1506D	N14	E34	4443	03	22.2	44D	SN C 1.0		C	1428	100	1.3	
	RAMY	19	1422	1456	1514	N13	E34	4443	03	22.2	52	SN	3	C		73		K
	HOLL	19	1424	1432	1445	N13	E35	4443	03	22.2	21	SF	3	C		50		F
0202	RAMY	19	1502	1506	1523	S06	W72	4438	03	14.2	21	SN C 1.2	3	C		70		
0203	RAMY	19	1759	1806	1847	N15	E31	4443	03	22.1	48	IN C 1.1	3	C		231		F
0204		19	1912	1913	1931	N06	W30	4445	03	17.5	19	SF				48		
	RAMY	19	1912	1913	1928	N06	W29	4445	03	17.6	16	SF	3	C		33		
	PALE	19	1915E	1917U	1934	N05	W30	4445	03	17.5	19D	SF	3	C		56		
0205	RAMY	19	1918E	1919	1919D	N11	E51	4446	03	23.6	1D	IN C 3.9	3	C		139		
0206	RAMY	19	2004	2008	2019	N06	W30	4445	03	17.6	15	SF	3	C		50		
		19	2119		2126	No Flare Patrol												
0207		20	02153	0219	0234	N06	W34	4445	03	17.5	19	SF				43	.4	
	YUNN	20	0215	0219	0235	N07	W35	4445	03	17.5	20	SF		C		31	.4	
	PALE	20	0217	0219	0232	N06	W34	4445	03	17.5	15	SF	3	C		52		
	LEAR	20	0218	0219	0236	N06	W34	4445	03	17.5	18	SN	3	C		45		

82
Mar 84

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		OMP Mo Day	Dur (Min)	Imp		Obs	Time (UT)	Area Measurement		Remarks	
						Lat	Long			Opt	Xray			See	Type		Apparent (10 ⁻⁶ Disk)
0208	LEAR	21	0336	0341	0404	N09	E25 4441A	03 22.0	28	SN		3	C		124		F
0209	LEAR	20	0338	0340	0417	N13	E13 4441	03 21.1	39	2N C 5.6					429	6.1	FKTU
	LEAR	20	0338	0340	0418	N13	E13 4441	03 21.1	40	1N C 5.6	3	C			236		K
	LEAR	20	0338	0341	0418	N13	E13 4441	03 21.1	40	2B C 5.6	3	C			513		UFK
	YUNN	20	0340	0342	0415	N14	E13 4441	03 21.1	35	2N C 5.6		C			538	6.1	T
0210	URUM	20	1039*	1050*	1137	N10	E21 4441A	03 22.0	58	SN					129	1.6	E
	URUM	20	1039	1050	1119	N10	E21 4441A	03 22.0	40	SN		C			157	1.8	
	WEND	20	1041	1051	1128	N11	E22 4441A	03 22.1	47	SN		C	1051		131	1.5	
	KANZ	20	1047	1051	1138	N09	E21 4441A	03 22.0	51	SN		2					E
	RAMY	20	1119	1125	1204	N10	E21 4441A	03 22.0	45	SF		3	C		98		
0211	RAMY	20	1119E	1129	1212	S13	E70 4449	03 25.7	53D	SF		3	C		14		
0212	WEND	20	1227	1232	1249	S13	E69 4449	03 25.7	22	SN			1232		24		
	RAMY	20	1228	1238	1250	S13	E69 4449	03 25.7	22	SN		3	C		25		
	KANZ	20	1230	1230	1248	S13	E70 4449	03 25.8	18	SN		2			23		
0213	KANZ	20	1314	1317	1333	N14	E09 4441	03 21.2	19	SF		2					
0214	RAMY	20	1512	1521	1527	N07	W43 4445	03 17.4	15	SF		3	C		31		
0215	HOLL	20	1519	1521*	1552	N14	E08 4441	03 21.2	33	SN C 2.2					74	.3	FK
	HOLL	20	1519	1521	1551	N14	E08 4441	03 21.2	32	SF		3	C		46		K
	HOLL	20	1519	1533	1551	N14	E08 4441	03 21.2	32	SN C 2.2	3	C			94		FK
	RAMY	20	1519	1533	1555	N14	E07 4441	03 21.2	36	SN C 2.2	3	C			130		
	WEND	20	1530E		1545D	N13	E08 4441	03 21.2	15D	SN		P	1540		28	.3	
0216	RAMY	20	1528	1533	1542	N09	E20 4441A	03 22.1	14	SF		3	C		48		F
0217	RAMY	20	1528	1530	1552	S11	E78 4449	03 26.5	24	SF		3	C		25		
0218	RAMY	20	1625*	1642*	1733	S14	E67 4449	03 25.7	68	SN					43		K
	RAMY	20	1625	1642	1746	S13	E67 4449	03 25.7	81	SN		3	C		58		K
	RAMY	20	1625	1701	1746	S13	E67 4449	03 25.7	81	SN		3	C		35		K
	HOLL	20	1641	1642	1706	S15	E68 4449	03 25.8	25	SF		3	C		39		
0219	HOLL	20	1712	1712	1719	N07	W43 4445	03 17.5	7	SF		3	C		26		
0220	HOLL	20	1929	1932	1940	N06	W44 4445	03 17.5	17	SF					41		F
	HOLL	20	1929	1932	1940	N07	W44 4445	03 17.5	11	SF		3	C		44		F
	PALE	20	1930	1931	1952	N05	W44 4445	03 17.5	22	SF		3	C		38		
0221	PALE	20	2311	2317U	2328	N14	E02 4441	03 21.1	19	SN					48	.5	EF
	LEAR	20	2313	2314	2327	N14	E03 4441	03 21.2	14	SN		3	C		49		F
	PEKG	20	2315E	2316	2335	N13	E02 4441	03 21.1	20D	SN		P	2316		46	.5	E
0222	LEAR	20	2320	2326	2406	S14	E64 4449	03 25.8	46	SN					46	1.0	
	LEAR	20	2320	2326	2408	S14	E64 4449	03 25.8	48	SF		3	C		41		
	MANI	20	2324E	2326	2405	S13	E65 4449	03 25.9	41D	SN		1	V		52	1.0	
0223	LEAR	20	2334	2334	2343	N12	E16 4443	03 22.2	9	SF		3	C		21		F
0224	PALE	21	0246	0246	0252	N11	E13 4443	03 22.1	6	SF		3	C		87		F
0225	YUNN	21	04016	04095	0427	N13	E13 4443	03 22.1	26	SN					99	1.4	FT
	YUNN	21	0401	0409	0441	N14	E12 4443	03 22.1	40	SN		C			108	1.2	T
	LEAR	21	0407	0409	0414	N12	E13 4443	03 22.1	7	SN		3	C		49		F
	URUM	21	0410E	0414	0427	N13	E14 4443	03 22.2	17D	SF		P			141	1.6	
0226	YUNN	21	04532	04583	0528	N21	E28	03 23.3	35	SN					53	.6	G
	YUNN	21	0453	0501	0521	N22	E28	03 23.3	28	SN		C			46	.6	G
	LEAR	21	0455	0458	0536	N20	E29	03 23.4	41	SF		3	C		60		
0227	URUM	21	0631E	0633	0707	N06	W52 4445	03 17.4	36D	SN		P			63	1.1	

H - ALPHA SOLAR FLARES

83
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0228		21	09124	0916	0926	N13	W02	4441	03	21.2	14	SF				30	.3	DT
	MANI	21	0912	0916	0925	N13	W03	4441	03	21.1	13	SF	1	V		28	.3	
	WEND	21	0916E		0927	N14	W02	4441	03	21.2	11D	SN		C	0916	26	.3	D
	KANZ	21	0916	0916	0924	N13	W02	4441	03	21.2	8	SF	1					
	LEAR	21	0916	0916	0928	N13	W02	4441	03	21.2	12	SF	3	C		35		
	YUNN	21	0917E	0917U	0929	N14	W03	4441	03	21.2	12D	SN		P	0917	31	.3	DT
0229	KANZ	21	0920	0924	0936	N07	E28	4450	03	23.5	16	SF	1					
		21	1040		1042	No Flare Patrol												
0230		21	1207*	1208*	1237	N09	E24	4450	03	23.3	30	SN				81	1.3	E
	LVOV	21	1204E	1212	1315D	N10	E25	4450	03	23.4	71D	1F			1212	200	2.4	E
	RAMY	21	1207	1208	12:5	N09	E25	4450	03	23.4	18	SN	3	C		68		
	KANZ	21	1211	1211	12:3	N07	E24	4450	03	23.3	12	SN	2					
	RAMY	21	1249	1251	1302	N09	E24	4450	03	23.3	13	SF	3	C		35		
	HTPR	21	1250E		1251D	N09	E22	4450	03	23.2	8D	SN		C	1250	20	.2	E
	KANZ	21	1250	1250	1256D	N08	E24	4450	03	23.3	8D	SN	2					
0231		21	1319	13202	1351	N14	W04	4441	03	21.2	32	1N				181	2.8	EFS
	LVOV	21	1318E	1322	1345D	N14	W03	4441	03	21.3	27D	1N			1322	250	2.8	E
	RAMY	21	1319	1320	1351	N14	W06	4441	03	21.1	32	SN	3	C		112		FS
0232	RAMY	21	1351	1356	1407	N08	E26	4450	03	23.5	16	SF	3	C		30		
0233	KANZ	21	1428	1432	1435D	N08	E25	4450	03	23.5	7D	SF	2					
0234	KANZ	21	1432	1432	1432	N15	E11	4443	03	22.4	7	SF	2					
0235		21	1446*	1448*	1514	N08	E25	4450	03	23.5	28	SN				40		F
	RAMY	21	1446	1448	1452	N08	E24	4450	03	23.4	6	SF	3	C		25		
	HOLL	21	1448E	1511U	1536	N07	E25	4450	03	23.5	48D	SN	3	C		62		F
	RAMY	21	1503	1506	1515	N08	E26	4450	03	23.6	12	SN	3	C		33		
	KANZ	21	1538E	1538U	1541D	N08	E25	4450	03	23.5	3D	SF	2					
0236	RAMY	21	1458	1525	1531	S13	E55	4449	03	25.8	33	SF	3	C		14		
		21	1546		1554	No Flare Patrol												
0237		21	17232	1732	1838	N08	E24	4450	03	23.5	75	1B C 8.8				204		F
	RAMY	21	1723		1808D	N08	E24	4450	03	23.5	45D	SN C 8.8	3	C		169		F
	HOLL	21	1725	1732	1838	N07	E24	4450	03	23.5	73	1B C 8.8	3	C		240		F
0238		21	1831*	1831*	1855	S13	E52	4449	03	25.7	24	SN C 2.4				67		K
	PALE	21	1831	1831	1855	S12	E52	4449	03	25.7	24	SF	3	C		20		K
	PALE	21	1831	1845	1855	S12	E52	4449	03	25.7	24	SB C 2.4	3	C		106		K
	HOLL	21	1841	1845	1854	S14	E52	4449	03	25.7	13	SB C 2.4	3	C		75		
0239	HOLL	21	2027	2046	2100	N06	E22	4450	03	23.5	33	SN C 2.5	3	C		36		
0240	HOLL	21	2104	2109	2116	N07	E21	4450	03	23.4	12	SF	3	C		23		
0241		21	2134	2140*	2313	N08	E02	4441A	03	22.0	99	SN				82		FK
	HOLL	21	2134	2140	2313	N08	E02	4441A	03	22.0	99	SF	3	C		63		K
	HOLL	21	2134	2159	2313	N08	E02	4441A	03	22.0	99	SN	3	C		102		FK
0242	HOLL	21	2152	2154	2209	N13	W10	4441	03	21.1	17	SF	3	C		68		F
0243	HOLL	21	2214	2222	2231	N07	E20	4450	03	23.4	17	SN	3	C		39		
0244		21	2226E	2231U	2237	N13	E08	4443	03	22.5	11D	SN				134	1.5	EF1
	VORO	21	2226E		2237	N14	E13	4443	03	22.9	11D	SN		C	2228	134	1.5	E1
	PALE	21	2231E	2231U	2306D	N12	E04	4443	03	22.2	35D	SN	3	C		135		F
0245		22	0204*	0204*	0243	N07	E18	4450	03	23.4	39	SN C 2.1				105	1.8	Er
	LEAR	22	0204	0204	0222	N07	E16	4450	03	23.3	18	SB C 2.1	3	C		170		
	PALE	22	0206E	0206U	0231	N07	E18	4450	03	23.4	25D	SN C 2.1	3	C		50		
	MANI	22	0209E	0209U	0219D	N08	E15	4450	03	23.2	10D	SN C 2.1	1	V		125	1.4	F
	YUNN	22	0226	0234	0302	N07	E19	4450	03	23.5	36	1N		C		185	2.1	E
	LEAR	22	0232	0242	0256	N07	E19	4450	03	23.5	24	SB	3	C		54		
	PALE	22	0247E	0250U	0254D	N08	E18	4450	03	23.5	7D	SN	3	C		48		

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CND	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray Opt	See	Obs Type	Time (UT)	Area Measurement		Remarks		
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0246	LEAR	22	0440	0441	0449	S15	E50	4449	03	26.0	9	SF	3	C		23		F		
0247	LEAR	22	0530	0536	0552	S15	E51	4449	03	26.1	22	SN	3	C		29		F		
0248		22	0629.5	0636.8	0652	N08	E16	4450	03	23.5	23	SF				28	.4			
	LEAR	22	0629	0644	0652	N07	E15	4450	03	23.4	23	SF	3	C		26				
	URUM	22	0634	0636	0653.0	N09	E16	4450	03	23.5	190	SF		P		31	.4			
0249		22	0724.4	0737	0828	N08	E16	4450	03	23.5	64	SN C 2.1				81	.8	FU		
	LEAR	22	0724	0737	0840	N08	E17	4450	03	23.6	76	SN C 2.1	3	C		85		UF		
	YUNN	22	0728	0739.0	0804	N08	E16	4450	03	23.5	36	SN C 2.1		P	0739	108	1.2	F		
	KANZ	22	0759E	0759.0	0834	N08	E17	4450	03	23.6	350	SN	2							
	WEND	22	0815E		0834	N07	E16	4450	03	23.5	190	SN C 2.1		C	0815	50	.5			
0250	KANZ	22	0803	0803	0806	N16	E18	4446	03	23.7	3	SF	2							
0251		22	0842	0845.3	0906	N05	W90		03	15.6	24	SN				30		AG		
	YUNN	22	0842	0845	0902	N05	W89		03	15.7	20			C				AG		
	HTPR	22	0842	0848	09'0	N05	W90		03	15.6	28	SN		C	0848	30				
0252	HTPR	22	0928	0935	0950	S13	E40	4447	03	25.4	22	SF		C	0935	40	.5	E		
0253	KANZ	22	0952	0956	1000	S13	E43	4449	03	25.6	8	SN	2					E		
0254		22	1030	1050.4	1119	N08	E14	4450	03	23.5	49	SF				41	.5	F		
	KANZ	22	1030	1050	1114	N07	E14	4450	03	23.5	44	1F	2							
	URUM	22	1052E	1054	1116	N09	E15	4450	03	23.6	240	SF		P		47	.5			
	RAMY	22	1102E	1111.0	1126	N07	E14	4450	03	23.5	240	SF	3	C		35		F		
0255	KANZ	22	1237	1237	1252	N09	E10	4450	03	23.3	15	SF	2							
0256	KANZ	22	1352	1356	1403	S12	E39	4447	03	25.5	11	SN	2							
0257	RAMY	22	1353	1354	1404	S11	E49	4449	03	26.3	11	SN	3	C		47				
0258	RAMY	22	1605	1612	1648	N08	E12	4450	03	23.6	43	1B C 8.6	3	C		386		EF		
0259	PALE	22	1747	1749	1800	S15	E31	4447	03	25.1	22	SF	3	C		26				
			1850		1900	No Flare Patrol														
			1936		2015	No Flare Patrol														
			2116		2133	No Flare Patrol														
			2137		2149	No Flare Patrol														
			2204		2210	No Flare Patrol														
			2232		2234	No Flare Patrol														
			2259		2308	No Flare Patrol														
0260	PALE	22	2310E	2312U	23150	S15	E41	4449	03	26.1	50	1N	3	C		185		F		
0261		23	0414*	0453*	0508	S14	E40	4449	03	26.2	54	SN				125	2.0	EF		
	LEAR	23	0414		0457	S13	E41	4449	03	26.3	43	SN	3	C		74		F		
	YUNN	23	0451	0453	0501	S13	E39	4449	03	26.1	10	SN		C		154	2.0			
	PEKG	23	0507E	0507	0525	S15	E40	4449	03	26.2	180	SN		P	0507	147	2.0	E		
0262		23	0451*	0453*	0518	N12	E16	4446	03	24.4	27	SN				100	1.2	E		
	YUNN	23	0451	0453	0521	N12	E16	4446	03	24.4	30	SN		C		108	1.2			
	PEKG	23	0502	0507	0515	N13	E17	4446	03	24.5	13	SN		P	0507	92	1.1	E		
0263		23	0642.7	0645.7	0713	S16	E38	4449	03	26.2	31	1N				95	1.3	E		
	ARST	23	0642	0645	0702	S16	E38	4449	03	26.2	20	1N		C	0545	174	2.4	E		
	URUM	23	0649	0652	0724	S16	E37	4449	03	26.1	35	SF		C		16	.2			
0264		23	0647.5	0650.6	0702	N09	E00	4450	03	23.3	15	SF				89	1.0	E		
	ABST	23	0647	0650	0656	N09	E01	4450	03	23.3	9	SF		C	0650	131	1.4	E		
	URUM	23	0652	0656	0708	N09	E00	4450	03	23.3	16	SF		C		47	.5			
0265	HTPR	23	0731	0735	0738	N18	F06	4446	03	23.8	7	SF		C	0735	10	.1			

M - ALPHA SOLAR FLARES

85
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP No	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0266	HTPR	23	0732	0746	0750	N07	W80	4445	03	17.3	18	SF		C	0746	20		E	
0267		23	0812*	08316	0858	S12	E38	4449	03	26.2	46	SF				50	.6	E	
	URUM	23	0812	0837	0857	S15	E35	4449	03	26.0	45	SF		C		79	1.0		
	HTPR	23	0826	0831	0859	S08	E40	4449	03	26.3	33	SF		C	0831	20	.3	E	
0268		23	1331	13342	1344	S13	E35	4449	03	26.2	13	SN				43	.5	E	
	RAMY	23	1331	1334	1343	S11	E36	4449	03	26.3	12	SN	3	C		46			
	HTPR	23	1331	1336	1345	S15	E34	4449	03	26.1	14	SN		C	1336	40	.5	E	
0269		24	02541	0256	0312	N08	W08	4450	03	23.5	18	SB				38	.3	F	
	LEAR	24	0254	0256	0314	N08	W08	4450	03	23.5	20	SB	3	C		46		F	
	URUM	24	0255	0256	0311	N07	W08	4450	03	23.5	16	SN		C		31	.3		
0270	LEAR	24	0710	0711	0715	N09	W29	4443	03	22.1	5	SF	3	C		24		F	
0271	HOLL	24	1950	1950	1959	N00	E42		03	28.0	9	SN	3	C		22			
0272	PALE	24	2108	2115	2140	S15	E18	4449	03	26.2	32	SF	3	C		37			
		25	1005		1014	No Flare Patrol													
0273		26	0112*	0129*	0202	S14	E89	4455	04	1.8	50	SF				46		AG	
	YUNN	26	0112	0129	0210	S14	E88	4455	04	1.7	58			C				AG	
	PEKG	26	0130	0141	0155	S14	E90	4455	04	1.9	25	SF		P	0141	46		A	
0274	LEAR	26	0552	0554	0606	S14	W35	4451	03	23.6	14	SF	3	C		30			
0275		26	0836	0828*	0844	S17	E85	4455	04	1.8	8	1B				178		AG	
	CATA	26	0815E	0828	0845D	S18	E90	4455	04	2.2	300	2	2	P	0828	281		A	
	WEND	26	0835E	0837	0844	S16	E88	4455	04	2.0	9D	1N		C	0837	75		AG	
	KANZ	26	0836	0840	0849D	S16	E77	4455	04	1.2	13D	SB	2						
0276	RAMY	26	1525	1525	1542	S13	W41	4451	05	23.5	17	SF	3	C		18			
		26	1759		1916	No Flare Patrol													
		26	1929		2032	No Flare Patrol													
0277	PALE	26	2114	2115	2121	N07	W45	4450	03	23.5	7	SF	3	C		23		F	
0278	PALE	27	0142	0148	0150	S11	E79	4455	04	2.0	8	SF	3	C		25			
0279	LEAR	27	0244	0248	0254	S14	E77	4455	04	1.9	10	SF	3	C		15			
0280		27	03431	03433	0352	S15	E77	4455	04	2.0	9	SN				34		F	
	LEAR	27	0343	0343	0352	S16	E75	4455	04	1.8	9	SN	3	C		12		F	
	PALE	27	0344	0346	0351D	S14	E79	4455	04	2.1	7D	SF	3	C		56		F	
0281	LEAR	27	0440	0444	0458	S11	E60	4454	03	31.7	18	SF	3	C		26		F	
0282	LEAR	27	0936	0936	0948	S11	E72	4455	04	1.8	12	SN	3	C		17			
0283	LEAR	27	0946	0951	0952D	S14	W21	4449	03	25.8	6D	SF	2	C		30		F	
0284	RAMY	27	1118	1205	1233D	S15	E83	4455	04	2.7	75D	SF	C 1.8	1	C		53		
0285	RAMY	27	1320E	1330	1345	S15	E71	4455	04	1.9	25D	SN	C 1.7	3	C		67		
0286		27	1424	1430*	1452	S12	E72	4455	04	2.0	28	SB	C 2.1			57		K	
	RAMY	27	1424	1430	1452	S12	E72	4455	04	2.0	28	SN		3	C		48		K
	RAMY	27	1424	1441	1452	S12	E72	4455	04	2.0	28	SB	C 2.1	3	C		66		K
0287		27	1500*	1511*	1544	S14	E72	4455	04	2.1	44	SN				22			
	RAMY	27	1500	1511	1538	S14	E73	4455	04	2.1	38	SN	3	C		22			
	RAMY	27	1543	1543	1549	S13	E71	4455	04	2.0	6	SF	3	C		23			
0288		27	1625	1645*	1843	S14	E70	4455	04	2.0	138	SF				41		FK	
	RAMY	27	1625	1645	1843	S14	E69	4455	04	1.9	138	SF	3	C		32		K	
	RAMY	27	1625	1749	1843	S14	E69	4455	04	1.9	138	SN	3	C		64		K	
	HOLL	27	1735E	1735U	1740	S15	E72	4455	04	2.2	5D	SF	3	C		19		F	
	PALE	27	1802E	1824U	1908	S13	E71	4455	04	2.1	66D	SF	3	C		69		F	
	HOLL	27	1912E	1912U	1921	S15	E71	4455	04	2.2	9D	SF	3	C		23			

86
Mar 84

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0289		27 1948	1950	2017	S13	E68	4455	04	1.9	29	SN	M 1.4				38		F
	HOLL	27 1948	1950	2014	S14	E69	4455	04	2.0	26	SN	M 1.4	3	C		45		F
	PALE	27 1949E	1950U	2020	S12	E68	4455	04	1.9	31D	SN	M 1.4	3	C		31		F
0290		27 21473	2150*	2234	S10	E79	4455	04	2.8	47	SF	M 1.4				63		FK
	CULG	27 2147	2153	2222	S09	E83	4455	04	3.1	35	1F			C	2153	60		
	PALE	27 2150	2150	2240	S11	E77	4455	04	2.7	50	SN	M 1.4	3	C		28		FK
	PALE	27 2150	2228	2240	S11	E77	4455	04	2.7	50	SF		3	C		100		K
0291		27 2332*	2332*	2358	S13	E67	4455	04	2.0	26	SF					35		F
	PALE	27 2332	2332	2338	S13	E68	4455	04	2.1	6	SF		3	C		13		F
	LEAR	27 2338	2354	2425D	S15	E66	4455	04	2.0	47D	SN		3	C		73		F
	PALE	28 0003	0006	0017	S12	E68	4455	04	2.1	14	SF		3	C		20		F
0292	URUM	28 0123	0137	0204	S13	W60	4451	03	23.5	41	SN			C		79	1.6	
0293	PALE	28 0252	0253	0309	S13	W59	4451	03	23.7	17	SF		3	C		27		
0294		28 0319	03291	0336	S13	E65	4455	04	2.0	17	SN	C 2.0				80	2.2	EF
	PALE	28 0319	0329	0330D	S13	E66	4455	04	2.1	11D	SN	C 2.0	3	C		51		F
	PEKG	28 0324E	0330	0341	S13	E65	4455	04	2.0	17D	1N	C 2.0		P	0330	126	2.9	E
	YUNN	28 0328E	0329	0332	S12	E64	4455	04	2.0	4D	SN	C 2.0		P		62	1.4	
0295	LEAR	28 0438	0439	0508	S14	W30	4449	03	25.9	30	SF		3	C		36		
0296		28 08246	08282	0835	N19	E88	4458	04	4.1	11	SB					41		
	KANZ	28 0824	0828	0832	N18	E90	4458	04	4.2	8	SB		2					
	LEAR	28 0827	0828	0833	N19	E85	4458	04	3.8	6	SN		3	C		26		
	CATA	28 0830	0830	0840	N19	E90	4458	04	4.2	10	1		2	C	0830	56		
0297		28 09273	0930	0939	N19	E86	4458	04	3.9	12	1N					42		
	LEAR	28 0927	0930	0939	N19	E81	4458	04	3.6	12	SN		3	C		27		
	CATA	28 0930	0930	0935D	N19	E90	4458	04	4.3	5D	1		2	P	0930	56		
0298	ATHN	28 1027	1028	1034	S11	E08	4456	03	29.0	7	SF		3	V	1028	19	.2	
0299		28 1112	11121	1122	N18	E80	4458	04	3.5	10	1N					80	4.1	
	RAMY	28 1112	1112	1121	N19	E81	4458	04	3.6	9	1N		3	C		79		
	ATHN	28 1112	1115	1123	N18	E79	4458	04	3.5	11	1N		3	V	1113	80	4.1	
0300	RAMY	28 1123	1145	1155	S14	W33	4449	03	26.0	32	SF		3	C		36		
0301	RAMY	28 1213	1226	1257	S14	E59	4455	04	2.0	44	SF	C 2.0	3	C		79		F
0302	RAMY	28 1428	1428	1433	N19	E79	4458	04	3.6	5	SF	C 1.2	3	C		16		
0303		28 1451	14522	1456	N18	E80	4458	04	3.7	5	SN					18		
	RAMY	28 1451	1452	1457	N19	E79	4458	04	3.6	6	SN		3	C		22		
	HOLL	28 1451	1454	1456	N17	E80	4458	04	3.7	5	SF		3	C		15		
0304	RAMY	28 1515	1515	1520	N19	E81	4458	04	3.8	3	SF		3	C		12		
0305		28 17423	17481	1754	S17	E64	4455	04	2.6	12	SF					36		
	RAMY	28 1742	1748	1755	S16	E64	4455	04	2.6	13	SF		3	C		40		
	HOLL	28 1745	1749	1752	S18	E64	4455	04	2.6	7	SF		3	C		32		
0306	HOLL	28 1949	1955	2001	S16	E56	4455	04	2.1	12	SF		3	C		30		
0307	HOLL	28 2157	2158	2220	S16	E56	4455	04	2.2	23	SF		3	C		23		
0308		28 23411	23441	2357	S15	E60	4455	04	2.5	16	SF	C 1.2				36	.5	F
	HOLL	28 2341	2344	2359	S16	E54	4455	04	2.1	18	SN	C 1.2	3	C		40		F
	PALE	28 2342	2344	2357	S15	E63	4455	04	2.7	15	SF	C 1.2	3	C		43		
	MANI	28 2342E	2345	2355	S15	E63	4455	04	2.7	10D	SF	C 1.2	1	V		25	.5	
0309	HOLL	28 2342	2347	2351	S09	E36	4454	03	31.7	9	SF		3	C		23		F
0310	CULG	29 0003	0005	0018	S12	E69	4455	04	3.2	15	1F			C	0005	130		

H - ALPHA SOLAR FLARES

87
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0311		29	01582	02001	0228	S13	E55	4455	04	2.2	30	SB	M 2.2				110	1.5	EF
	MITK	29	0158	0200	0231	S13	E57	4455	04	2.4	33	SB			C	0200			E
	PALE	29	0159	0200	0228D	S14	E57	4455	04	2.4	29D	1B	M 2.2	3	C				FE
	MANI	29	0159E	0200	0228	S14	E57	4455	04	2.4	29D	SN	M 2.2	1	V		83	1.5	
	CULG	29	0159	0201	0223	S12	E57	4455	04	2.4	24	SN			C	0201	90	1.5	F
LEAR	29	0200	0201	0229	S15	E50	4455	04	1.9	29	SB	M 2.2	3	C		156		F	
0312	LEAR	29	0240	0242	0250	N14	E67	4458	04	3.2	10	SF			C		15		
0313		29	0311*	0312*	0339	S13	E55	4455	04	2.3	28	SF					59	.6	FJ
	PALE	29	0311	0312	0323	S13	E54	4455	04	2.2	12	SF			C		33		F
	CULG	29	0319	0333	0355	S12	E55	4455	04	2.3	36	SF			C	0333	40	.6	FJ
	PALE	29	0341	0341U	0407D	S13	E55	4455	04	2.3	26D	SF			C		104		F
0314	LEAR	29	0622	0625	0627	S12	W78	4451	03	23.4	5	SF			C		12		
0315	HTPR	29	0734	0737	0740	S13	E47	4455	04	1.9	6	SF			C	0737	10	.1	
0316	LEAR	29	0807	0808	0828	S13	E49	4455	04	2.0	21	SN			C		25		F
0317	HTPR	29	0827	0842	0900	S12	W77	4451	03	23.5	33	SN			C	0842	40		E
0318		29	0838*	0840*	0904	S14	E49	4455	04	2.1	26	SN					36	.6	
	LEAR	29	0838	0840	0845	S14	E48	4455	04	2.0	7	SF			C		35		
	URUM	29	0840	0853	0921	S15	E49	4455	04	2.1	41	SN			C		79	1.2	
	HTPR	29	0842	0852	0858	S13	E47	4455	04	1.9	16	SN			C	0852	20	.3	
	LEAR	29	0850	0853	0907	S14	E48	4455	04	2.0	17	SN			C		38		
	HTPR	29	0905	0907	0909	S16	E52	4455	04	2.3	4	SN			C	0907	10	.2	
0319		29	1032	10411	1056	S14	W13	4456	03	28.4	24	1N					158	1.6	D
	HTPR	29	1032	1042	1056	S13	W13	4456	03	28.4	24	SN			C	1042	80	.8	
	ABST	29	1038E	1041	1050D	S14	W13	4456	03	28.5	12D	1N			P	1041	236	2.5	D
0320		29	1101	1103	1128	S12	W78	4451	03	23.6	27	SF					17		
	HTPR	29	1101	1103	1125	S12	W80	4451	03	23.4	24	SF			C	1103	20		
	RAMY	29	1124E	1128U	1131	S12	W75	4451	03	23.8	7D	SF			C		14		
0321	HTPR	29	1130	1153	1208	N21	W81	4443	03	23.3	38	SB			C	1153	20		
0322		29	11582	12031	1216	S13	E47	4455	04	2.0	18	SN					26	.1	
	RAMY	29	1158	1203	1217	S13	E49	4455	04	2.2	19	SN			C		43		
	HTPR	29	1200	1204	1214	S13	E45	4455	04	1.9	14	SN			C	1204	10	.1	
0323		29	14346	1442*	1527	N21	E70	4458	04	4.0	53	1B	C 5.8				101	2.2	EFK
	HTPR	29	1434	1500	1527	N20	E67	4458	04	3.7	53	1B			C	1500	100	2.2	E
	RAMY	29	1437	1442	1523D	N22	E70	4458	04	4.0	46D	SF	C 5.8	3	C		75		K
	RAMY	29	1437	1459	1523D	N22	E70	4458	04	4.0	46D	1B	C 5.8	3	C		128		FK
	HOLL	29	1440	1459	1502D	N20	E71	4458	04	4.0	22D	SB			C		102		F
0324		29	15104	15151	1526	S14	E44	4455	04	1.9	16	SN					46	.3	E
	HOLL	29	1510	1515	1525	S15	E43	4455	04	1.9	15	SF			C		73		
	HTPR	29	1514	1516	1527	S13	E44	4455	04	1.9	13	SN			C	1516	20	.3	E
0325		29	16102	1613*	1630	N18	E65	4458	04	3.6	20	SF					23		FK
	HOLL	29	1610	1613	1628	N17	E63	4458	04	3.5	18	SF			C		14		K
	HOLL	29	1610	1624	1628	N17	E63	4458	04	3.5	18	SF			C		22		FK
	RAMY	29	1612	1613	1632	N20	E67	4458	04	3.8	20	SF			C		21		K
	RAMY	29	1612	1624	1632	N20	E67	4458	04	3.8	20	SN			C		35		K
			29	1718		1733	No Flare Patrol												
0326	RAMY	29	1751	1753	1753D	N20	E67	4458	04	3.9	2D	1B	M 2.0	3	C		142		E
0327	PALE	29	1840	1840	1848D	N19	E64	4458	04	3.7	8D	SF			C		19		
0328	PALE	29	1840	1842	1848D	S11	W14	4456	03	28.7	8D	SF			C		24		
0329		29	1954	19562	2013	S10	W12	4456	03	28.9	19	SF					83		F
	PALE	29	1954	1956	2014	S11	W12	4456	03	28.9	20	SF			C		76		F
	RAMY	29	1955E	1958	2012	S10	W13	4456	03	28.8	17D	SF			C		90		

H - ALPHA SOLAR FLARES

MARCH 1984

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									Reglon	Apparent (10 ⁻⁶ Disk)	
0330	CULG	29	2327	2331	2336	N24	E57	4458	04	3.4	9	SF		C	2331	70	1.4	
0331	PALE	30	0025E	0026U	0035	S14	E51	4455	04	2.9	10D	SF	3	C		78		
0332		30	0209S	02122	0222	N21	E59	4458	04	3.6	13	SF	C 1.4			45	1.1	F
	URUM	30	0209	0214	0221	N21	E62	4458	04	3.8	12	SF		C		31		
	YUNN	30	0211	0212	0221	N21	E59	4458	04	3.6	10	SN	C 1.4	C		46	1.1	
	PALE	30	0212	0213	0223	N20	E56	4458	04	3.4	11	SF	C 1.4	3 C		59		F
0333		30	0223*	0226*	0311	S14	E48	4455	04	2.7	48	SF				61	1.1	EFT
	PALE	30	0223	0226	0235	S14	E50	4455	04	2.9	12	SF		3 C		21		
	MANI	30	0224E	0226	0245	S14	E41	4455	04	2.2	21D	SF	1	V		35	.4	F
	URUM	30	0259	0315	0323D	S15	E49	4455	04	2.8	24D	SF		P		79	1.2	ET
	YUNN	30	0305	0324	0327	S15	E49	4455	04	2.8	22	SN		P		108	1.7	
	MITK	30	0307	0317	0358	S15	E50	4455	04	2.9	51	SN		C	0317			E
0334		30	0306	0314	0328D	S15	E47	4455	04	2.7	22D	SN	C 4.8			84	.7	F
	URUM	30	0306	0314	0323D	S16	E46	4455	04	2.6	17D	SF		P		47	.7	
	PALE	30	0307E	0316U	0328D	S14	E48	4455	04	2.7	21D	SN	C 4.8	3 C		122		F
0335		30	04506	04563	0520	N18	E54	4458	04	3.3	30	1B	M 1.1			194	4.2	EFKT
	LEAR	30	0450	0456	0532	N17	E54	4458	04	3.3	42	SB	M 1.1	3 C		116		K
	LEAR	30	0450	0459	0532	N17	E54	4458	04	3.3	42	1B	M 1.1	3 C		228		FEK
	MITK	30	0455	0458	0513	N19	E56	4458	04	3.5	18	1R		C	0458	110	2.3	E
	CULG	30	0456	0459	0511	N19	E53	4458	04	3.2	15	1N		C	0459	210	4.0	F
	YUNN	30	0458E	0458U	0513	N18	E55	4458	04	3.4	15D	2B	M 1.1	P	0458	308	6.3	FT
0336		30	0539*	05571	0617	N18	E54	4458	04	3.3	38	1B	C 5.9			148	2.9	DJKT
	LEAR	30	0539	0557	0620	N17	E53	4458	04	3.3	41	SB	C 5.9	3 C		122		K
	LEAR	30	0539	0558	0620	N17	E53	4458	04	3.3	41	1B	C 5.9	3 C		189		K
	MITK	30	0553	0558	0620	N18	E55	4458	04	3.4	27	1B		C	0558	160	3.3	
	ABST	30	0554	0558	0613	N20	E57	4458	04	3.6	19	1N		C	0558	114	2.4	D
	CULG	30	0555	0558	0600D	N20	E53	4458	04	3.3	5D	1B		P	0558	200	3.8	J
	YUNN	30	0558E	0558U	0614	N18	E55	4458	04	3.4	16D	1B	C 5.9	P	0558	185	3.8	T
	BUCA	30	0559E		0615	N19	E55	4458	04	3.4	16D	SN	C 5.9	C	0600	64	1.4	
0337	HTPR	30	0829	0830	0834	S19	W29		03	28.1	5	SF		C	0830	10	.1	
0338		30	08542	08582	0915	N18	E54	4458	04	3.5	21	1B	M 1.2			207	3.8	EFT
	LEAR	30	0854	0858	0916	N18	E52	4458	04	3.3	22	1B	M 1.2	3 C		216		
	HTPR	30	0856	0858	0914	N18	E54	4458	04	3.5	18	1B		C	0858	120	2.1	E
	YUNN	30	0858E	0858U	0913	N18	E54	4458	04	3.5	15D	2B	M 1.2	P	0858	308	6.0	T
	MANI	30	0858E	0900	0917	N18	E55	4458	04	3.6	19D	1R	M 1.2	1 V		183	3.4	F
0339	HTPR	30	1240	1247	1250	S10	W20	4456	03	29.0	10	SF		C	1247	20	.2	
0340	HTPR	30	1310	1310	1318	N17	E51	4458	04	3.4	8	SB		C	1310	30	.5	E
0341	HTPR	30	1446	1450	1525	S09	W30	4456	03	28.4	39	SN		C	1450	20	.2	F
0342	HOLL	30	1535	1535	1538	N21	E54	4458	04	3.8	3	SF	3	C		20		F
0343		30	1729	17291	1735	N21	E52	4458	04	3.7	6	SN				26		F
	RAMY	30	1729	1729	1736	N22	E52	4458	04	3.7	7	SN	3	C		29		F
	HOLL	30	1729	1730	1734	N20	E53	4458	04	3.8	5	SF	3	C		24		
0344	HOLL	30	1812	1812	1824	S16	E40	4455	04	2.8	12	SF	3	C		46		F
0345		30	2244	22462	2257	N20	E44	4458	04	3.3	13	SN	C 2.0			77	1.0	EF
	CULG	30	2244	2246	2256	N20	E42	4458	04	3.1	12	SN		C	2246	50	.7	F
	PALE	30	2244	2247	2302	N20	E45	4458	04	3.4	18	SB	C 2.0	3 C		100		E
	VORO	30	2244	2248	2252	N20	E46	4458	04	3.5	8	SF		C	2248	81	1.2	E
0346		31	00362	0039*	0108	S14	E36	4455	04	2.7	32	SN				62	.8	
	MANI	31	0036	0039	0053D	S14	E37	4455	04	2.8	17D	SN	1	V		65	.8	
	PALE	31	0038	0057	0108	S14	E36	4455	04	2.7	30	SF	3	C		58		
0347	LEAR	31	0220	0232	0241	N19	E46	4458	04	3.6	21	SF	3	C		62		

H - ALPHA SOLAR FLARES

89
Mar 84

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement		Remarks
															Time (UT)	Apparent (10 ⁻⁶ Disk)	
0348		31	03112	03135	0328	N24	E46	4458	04	3.7	17	SN	C 2.0		76	1.3	EK
	PALF	31	0311	0313	0327D	N24	E46	4458	04	3.7	16D	SN		3	60		K
	CULG	31	0311	0316	0324	N24	E46	4458	04	3.7	13	SN			80	1.3	
	PALE	31	0311	0317	0327D	N24	E46	4458	04	3.7	16D	SN	C 2.0	3	89		K
	MITK	31	0313	0318	0333	N23	E47	4458	04	3.7	20	SB					E
0349		31	0515*	0517*	0543	N22	E45	4458	04	3.7	28	SN	C 1.9		71	1.1	OFJK
	ABST	31	0515	0517	0520	N23	E46	4458	04	3.8	5	SN			87	1.1	D
	LEAR	31	0517	0525	0559	N21	E47	4458	04	3.8	42	SN		3	25		K
	LEAR	31	0517	0540	0559	N21	E47	4458	04	3.8	42	SB	C 1.9	3	64		FK
	ABST	31	0520	0522	0530	N20	E40	4458	04	3.3	10	SN			87	1.3	D
	ABST	31	0529	0531	0545	N23	E46	4458	04	3.8	16	SN			87	1.1	D
	ABST	31	0529	0531	0545	N23	E46	4458	04	3.8	16	SN			87	1.1	D
	CULG	31	0529	0532	0546D	N24	E43	4458	04	3.5	17D	SF			60	.9	J
0350		31	0619*	0619*	0655	N18	E40	4458	04	3.3	36	SN	C 2.3		81	1.4	K
	LEAR	31	0619	0619	0704	N19	E40	4458	04	3.3	45	SN		3	40		K
	LEAR	31	0619	0639	0704	N19	E40	4458	04	3.3	45	SB	C 2.3	3	92		K
	YUNN	31	0635	0638	0647	N18	E41	4458	04	3.4	12	SN	C 2.3		108	1.6	
	CATA	31	0640E	0640	0645	N18	E41	4458	04	3.4	5D	S		2	84	1.3	
0351		31	0737*	07443	0748	N18	E38	4458	04	3.2	11	SN			16		
	LEAR	31	0737	0744	0748	N18	E39	4458	04	3.3	11	SN		3	16		
	KANZ	31	0747	0747	0747D	N18	E38	4458	04	3.2	11D	SF		2			
0352		31	08051	08086	0820	N22	E43	4458	04	3.6	15	SB	C 3.0		103	.9	HK
	CATA	31	0805	0810	0820	N21	E44	4458	04	3.7	15	S		2	56	.9	H
	LEAR	31	0806	0808	0823D	N22	E43	4458	04	3.6	17D	IB	C 3.0	3	227		HK
	LEAR	31	0806	0814	0823D	N22	E43	4458	04	3.6	17D	SB		3	25		K
	KANZ	31	0814E	0814U	0821	N23	E43	4458	04	3.6	7D	SB		2			H
0353		31	1344	1344	1357	N22	E41	4458	04	3.7	13	SN			44		F
	HOLL	31	1342E	1342U	1400D	N22	E42	4458	04	3.8	18D	SN		3	44		F
	KANZ	31	1344	1344	1357	N22	E40	4458	04	3.6	13	SN		2			
0354	RAMY	31	1443	1446	1530	S14	E21	4455	04	2.2	47	SF		3	40		
0355	HOLL	31	1517	1540	1558D	N17	E37	4458	04	3.4	41D	SN	C 1.0	3	91		
0356	HOLL	31	1554E	1559	1619	N22	E41	4458	04	3.8	25D	SN		3	38		
0357		31	17312	1735	1747	N22	E38	4458	04	3.6	16	SB	C 1.0		143		EF
	RAMY	31	1731	1735	1747	N22	E39	4458	04	3.7	16	SB	C 1.0	3	142		FE
	PALE	31	1733	1735	1747	N23	E38	4458	04	3.6	14	SN	C 1.0	3	144		
0353	PALL		1756	1801	1801	S11	W40	4456	03	28.7	5	SF		3	26		
0359	HOLL	31	1824	1824	1829	S16	E13	4458	04	1.7	5	SF		3	55		
0360		31	19012	19012	1909	N22	E38	4458	04	3.7	8	SF			25		
	HOLL	31	1901	1901	1908	N22	E39	4458	04	3.8	7	SF		3	18		
	RAMY	31	1903	1903	1910	N23	E38	4458	04	3.7	7	SF		3	32		
0361		31	1933*	1934*	1958	N22	E38	4458	04	3.7	25	SN			36		F
	HOLL	31	1933	1934	1941	N22	E39	4458	04	3.8	8	SF		3	21		
	RAMY	31	1944	1951	2007	N22	E37	4458	04	3.7	23	SN		3	57		F
	HOLL	31	1946	1952	2005	N22	E39	4458	04	3.8	19	SN		3	35		
	PALE	31	1948	1949	1952D	N24	E37	4458	04	3.7	4D	SN		3	31		
0362	RAMY	31	2116	2132	2138	S13	E15	4455	04	2.0	2	SF		3	59		
0363	RAMY	31	2133	2135	2143	N22	E36	4458	04	3.7	10	SF		3	30		
0364		31	2141	2144	2151	S09	W04	4454	03	31.6	10	SF			24		
	RAMY	31	2141	2144	2150	S09	W04	4454	03	31.6	9	SF		3	25		
	PALE	31	2145E	2147U	2152	S09	W04	4454	03	31.6	7D	SF		3	23		

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Time (UT)	Area Measurement		Remarks
															Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0365		31	21593	22047	2229	N22	E36	4458	04	3.7	30	SN	C 1.2		64	1.5	HJK
	HOLL	31	2159	2205	2240	N21	E36	4458	04	3.7	41	SN	C 1.2	3	66		HK
	HOLL	31	2159	2211	2240	N21	E36	4458	04	3.7	41	SN		3	40		K
	CULG	31	2202	2204	2214	N24	E34	4458	04	3.5	12	SN			110	1.5	J H
	PALE	31	2203E	2207U	2223	N24	E36	4458	04	3.7	20D	SN		3	40		
0366		31	2223	2240	2254	S12	E20	4455	04	2.4	31	SN			94		F
	HOLL	31	2223	2240	2258	S11	E19	4455	04	2.4	35	SN		3	112		F
	PALE	31	2238E	2240U	2249	S12	E20	4455	04	2.4	11D	SN		3	77		F

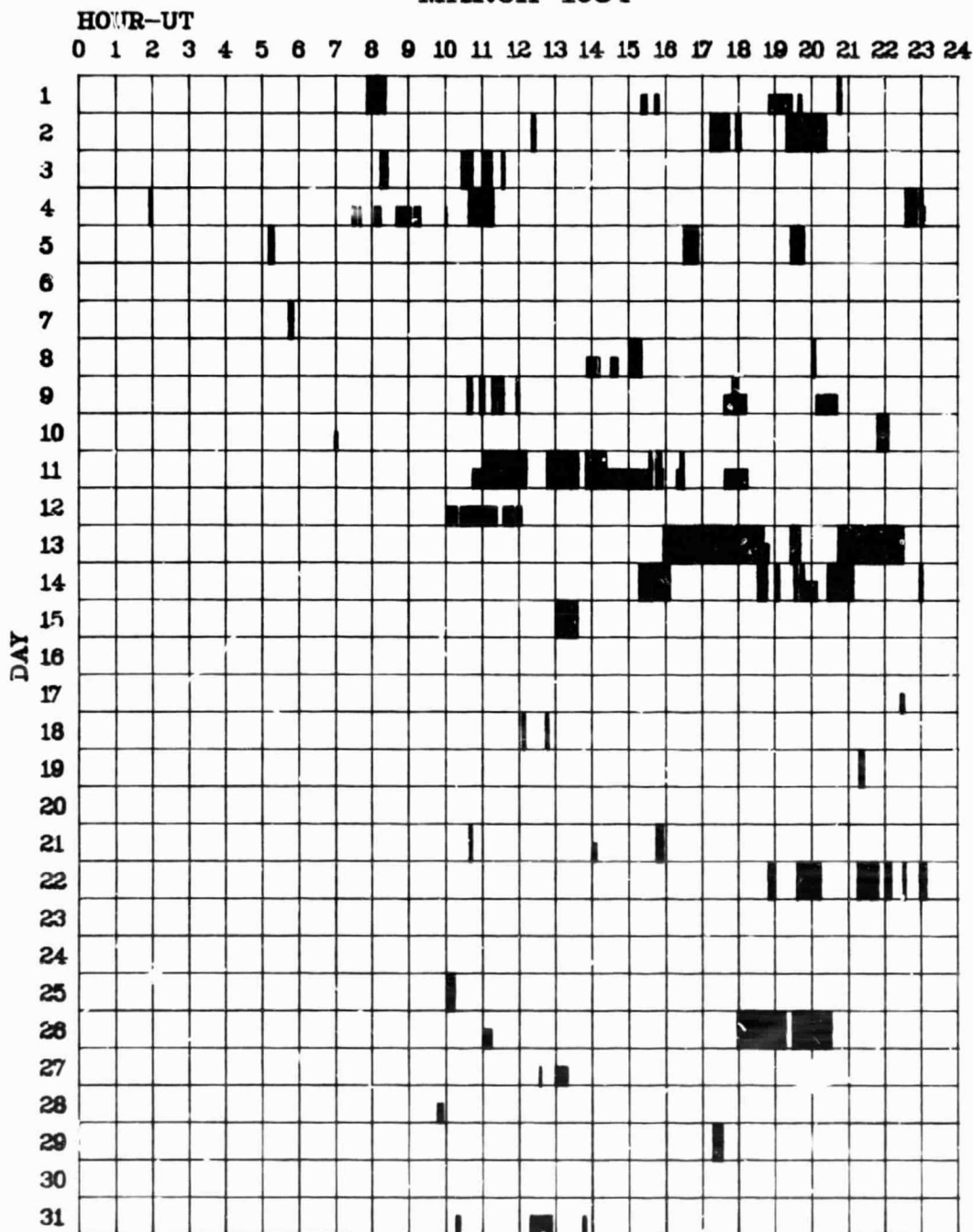
"Remarks":

- | | |
|--|---|
| <p>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.</p> | <p>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 in 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.</p> |
|--|---|

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

91
Mar 84

MARCH 1984



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 | Culgoora | Kharkov | Manila | Ramey |
| Athens | Haute Provence | Kodaikanal | Mitaka | Urumqi |
| Bucharest | Holloman | Learmonth | Palehua | Voroshilov |
| Catania | Kanzelhoehe | Lvov | Peking | Wendelstein |
| | | | | Yunnan |

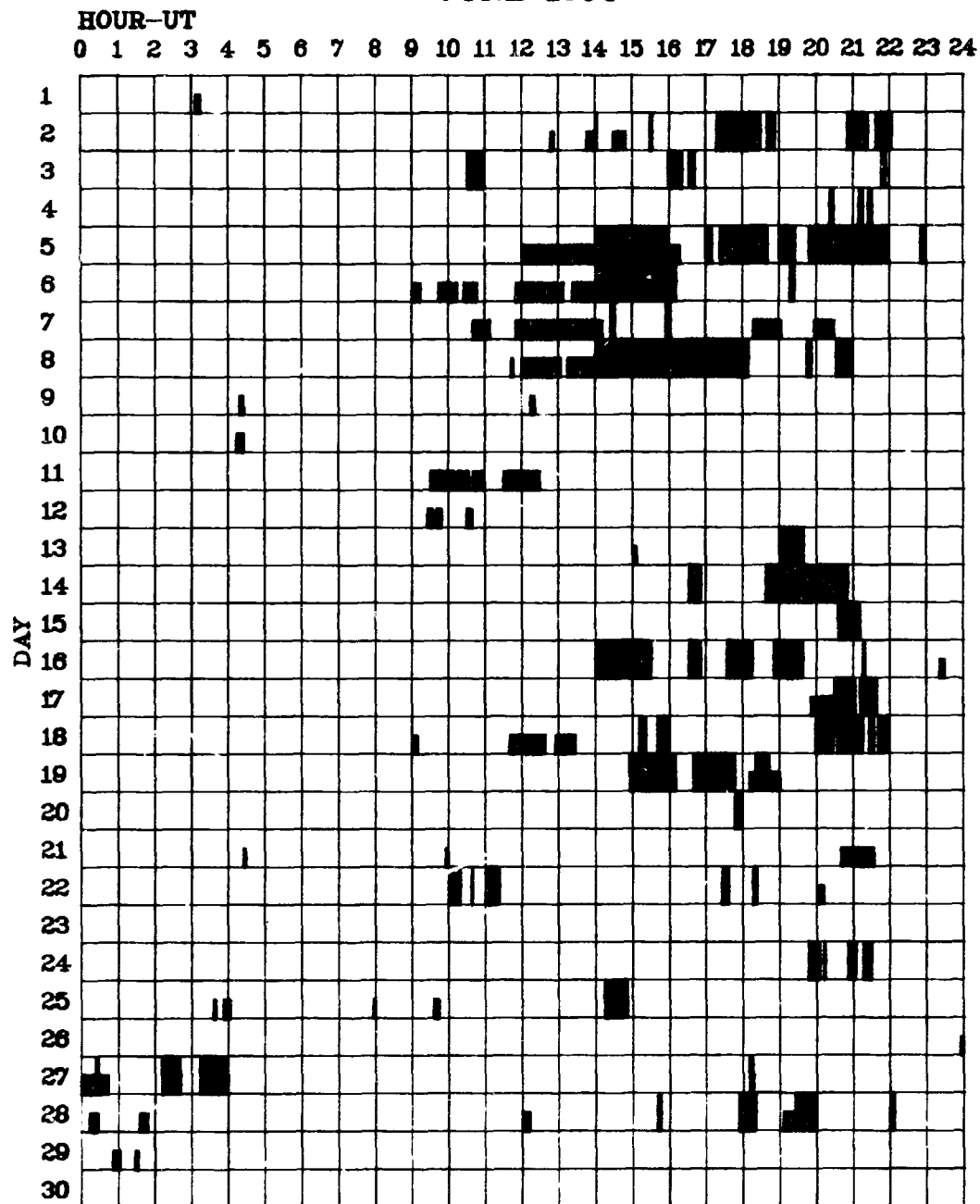
H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp	Obs	Time (UT)	Area Measurement		Remarks		
								USAF Region						Mo Day	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)	
0001		01	00351	00361	0048	S16	E10	4455	04	1.8	13	SN			36	.5	DT	
	YUNN	01	0035	0037	0039D	S16	E10	4455	04	1.8	4D	SN		P	47	.5	DT	
	HOLL	01	0036	0036	0048	S16	E10	4455	04	1.8	12	SF	3	C	24			
0002		01	0142	01478	0203	N18	E30	4458	04	3.3	21	SN C	1.0		49	.6	EFT	
	LEAR	01	0142	0155	0204	N18	E30	4458	04	3.3	22	SN C	1.0	3	C	51		F
	YUNN	01	0145E	0147	0202	N18	E30	4458	04	3.3	17D	SN C	1.0	P	47	.6	ET	
0003		01	02118	02136	0220	S13	E21	4455	04	2.7	9	SN			46	.6	FT	
	YUNN	01	0211	0213	0215	S14	E23	4455	04	2.8	4	SN		C	31	.4	T	
	CULG	01	0212	0213	0216	S13	E22	4455	04	2.7	4	SF		C	60	.7		
	LEAR	01	0212	0213	0217	S14	E22	4455	04	2.7	5	SN		3	C	49		F
	PALE	01	0212	0213	0230	S13	E23	4455	04	2.8	18	SF		3	C	69		F
	LEAR	01	0219	0219	0224	S14	E17	4455	04	2.4	5	SN		3	C	23		F
0004		01	0245*	0250*	0320	N20	E31	4458	04	3.5	.5	1B C	8.3		185	2.4	EFHIKTV	
	URUM	01	0245	0255	0305	N19	E29	4458	04	3.3	20	SB		C	16	.2		
	CULG	01	0247	0256	0314	N21	E29	4458	04	3.3	27	1B		C	320	4.1	F	
	LEAR	01	0248	0250	0339	N18	E32	4458	04	3.5	51	SN		3	C	93		K
	PALE	01	0248	0255	0326	N20	E32	4458	04	3.6	38	1B C	8.3	3	C	252		FE
	LEAR	01	0248	0256	0339	N18	E32	4458	04	3.5	51	1B C	8.3	3	C	276		FHK
	PEKG	01	0252E	0259	0306	N19	E31	4458	04	3.5	14D	1B		P	328	4.4	F	
	VORO	01	0254	0256	0304	N18	E30	4458	04	3.4	10	1N		C	197	2.5	EIV	
	YUNN	01	0256E	0256U	0319	N18	E30	4458	04	3.4	23D	1B		P	189	2.5	FT	
	YUNN	01	0308	0311	0320	N23	E34	4458	04	3.7	12	SB		C	63	.9	T	
	VORO	01	0309	0311	0329	N24	E33	4458	04	3.7	20	SF		C	72	1.0	E	
	PEKG	01	0309	0312	0317	N20	E32	4458	04	3.6	8	1N		C	235	3.2	F	
0005		01	02509	03005	0328	S12	E18	4455	04	2.5	38	SN			199	3.0	EFT	
	LEAR	01	0250	0304	0352	S13	E17	4455	04	2.4	62	SN		3	C	126		F
	PALE	01	0253	0303	0332	S12	E18	4455	04	2.5	39	SN		3	C	128		F
	YUNN	01	0256E	0300	0315	S12	E18	4455	04	2.5	19D	SN		C	79	.9	ET	
	PEKG	01	0259	0305	0313	S12	E17	4455	04	2.4	14	1N		C	462	5.0	F	
0006	PALE	01	0251	0302	0315	S10	E62	4460	04	5.8	24	SF		3	C	19		
0007		01	0453*	0500*	0544	S11	E16	4455	04	2.4	51	SN C	1.0		145	1.7	DEFJKT	
	LEAR	01	0453	0500	0602	S11	E16	4455	04	2.4	69	SN		3	C	125		K
	LEAR	01	0453	0535	0602	S11	E16	4455	04	2.4	69	SN C	1.0	3	C	111		FK
	CULG	01	0454	0500	0518D	S10	E15	4455	04	2.3	24D	SB		P	100	1.0	JF	
	URUM	01	0454	0514	0554	S12	E16	4455	04	2.4	60	SF		C	125	1.4		
	YUNN	01	0459E	0501	0525	S12	E15	4455	04	2.3	26D	SB		P	110	1.2	T	
	PEKG	01	0513	0516	0522	S11	E16	4455	04	2.4	9	SN		C	126	1.4	D	
	PEKG	01	0528	0531	0539	S13	E16	4455	04	2.4	11	1N		C	315	3.4	E	
0008		01	06453	06455	0656	S13	E15	4455	04	2.4	11	SN			53	.6	EFT	
	CATA	01	0645	0645	0655	S12	E15	4455	04	2.4	10	S		2	C	0645	.6	
	YUNN	01	0647F	0647U	0650	S13	E16	4455	04	2.5	3D	SN		P	0647	.5	ET	
	LEAR	01	0645	0650	0703	S13	E15	4455	04	2.4	15	SN		3	C	57		F
0009		01	0705*	0706*	0727	N17	E28	4458	04	3.4	22	SN			47	.6	T	
	LEAR	01	0705	0706	0712	N18	E28	4458	04	3.4	7	SN		3	C	33		
	ATHN	01	0709E	0710	0713	N17	E27	4458	04	3.3	4D	SN		3	V	0710	.6	
	URUM	01	0719	0724	0734	N18	E28	4458	04	3.4	15	SN		C	79	1.0		
	LEAR	01	0724	0725	0729	N17	E28	4458	04	3.4	5	SN		3	C	35		
	MANI	01	0724E	0725	0731	N17	E28	4458	04	3.4	7D	SN		1	V	41	.4	
	YUNN	01	0725E	0725U	0728	N19	E28	4458	04	3.4	3D	SN		P	0725	.8	T	
ATHN	01	0737	0741	0746	N18	E27	4458	04	3.4	9	SN		3	V	0741	.4		
0010		01	07571	07581	0802	S15	E11	4455	04	2.2	5	SN C	1.0		111	1.7	T	
	YUNN	01	0750E	0759	0802	S15	E12	4455	04	2.2	12D	SN C	1.0	P	157	1.7	T	
	KANZ	01	0757	0758	0801	S15	E11	4455	04	2.2	4	SN		1	C			
	LEAR	01	0758	0759	0804	S16	E11	4455	04	2.2	6	SN C	1.0	3	C	65		
0011	URUM	01	0956	1000	1003	N17	E26	4458	04	3.4	7	SN		C	47	.6	E	
0012	RAMY	01	1124	1125	1138	N18	E25	4458	04	3.4	14	SF		C	30			

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

JUNE 1984



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.

- | | | | | |
|------------|----------------|-------------|------------|-------------|
| Abastunani | Culgoora | Kanzelhoehe | Manila | Ramey |
| Athens | Haute Provence | Kharkov | Mitaka | Urumqi |
| Bucharest | Holloman | Kodaikanal | Palehua | Voroshilov |
| Catania | Istanbul | Learmonth | Peking | Wendelstein |
| | | Lvov | Purple Mt. | Yunnan |

H - ALPHA SOLAR FLARES

93
Apr 84

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA / USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																(10 ⁻⁶ Disk)	(Sq Deg)		
0013	ATHN	01	1216	1220	1222	N20	E28	4458	04	3.6	6	SN			1220	52	.4		
0014		01	1406E	1409	1412	N22	E28	4458	04	3.7	6D	SN				29			
	HOLL	01	1406E	1409U	1411	N22	E28	4458	04	3.7	5D	SF	3	C		22			
	RAMY	01	1409E	1409	1414	N23	E28	4458	04	3.7	5D	SN	3	C		36			
0015		01	1454	1456	1501	S10	W52	4456	03	28.8	7	SF				39			
	HOLL	01	1454	1456	1500	S09	W52	4456	03	28.8	6	SF	3	C		39			
	RAMY	01	1500E		1502	S10	W51	4456	03	28.9	2D	SF	3	C					
0016	HOLL	01	1519	1523	1604	S14	E04	4455	04	1.9	45	SF	3	C		46		F	
0017		01	1624Z	1625Z	1654	S13	E04	4455	04	2.0	30	SF				52		F	
	HOLL	01	1624	1625	1642	S13	E03	4455	04	1.9	18	SF	3	C		31		F	
	RAMY	01	1626	1628	1706	S13	E04	4455	04	2.0	40	SF	3	C		74		F	
0018	PALE	01	1849	1851	1906	S11	W16	4454	03	31.6	17	SF	3	C		29			
0019		01	2137*	2203*	2308	S12	E67		04	6.9	91	2N	C	7.6		469		EIKU	
	PALE	01	2137	2204	2320	S12	E66		04	6.9	103	3B	C	7.6	3	C	818		UEK
	PALE	01	2137	2222	2320	S12	E66		04	6.9	103	2N			3	C	402		K
	VORO	01	2154	2203	2243	S13	E69		04	7.1	49	1F			C	2203	188		EI
0020	PALE	01	2146	2147	2157	S11	E51	4460	04	5.7	11	SF	3	C		33			
0021	PALE	01	2203	2203	2207	S14	E06	4455	04	2.4	4	SF	3	C		30			
0022	PALE	01	2312	2319	2327	S15	E01	4455	04	2.0	15	SF	3	C		65			
0023	PALE	01	2352	2357	2404	S14	E02	4455	04	2.1	12	SF	3	C		52			
0024	LEAR	02	0129	0133	0156	S13	W01	4455	04	2.0	27	SF	3	C		51			
0025	PALE	02	0239	0239	0301	N22	E19	4458	04	3.6	22	SF	3	C		20			
0026		02	0304	0305	0318	S15	E10	4461	04	2.9	14	SN				30			
	PALE	02	0304	0305	0315	S15	E10	4461	04	2.9	11	SF	3	C		27			
	LEAR	02	0304	0305	0320	S15	E09	4461	04	2.8	16	SN	3	C		34			
0027		02	0512I	0517E	0550	S12	E58	4460	04	6.6	38	1N	C	1.2		138	1.6	FGKS	
	LEAR	02	0512	0517	0559	S13	E58	4460	04	6.6	47	1B			3	C	197		K
	CULG	02	0512	0518	0607	S10	E56	4460	04	6.4	55	1F			C	0518	2.7	SF	
	LEAR	02	0512	0523	0559	S13	E58	4460	04	6.6	47	1B	C	1.2	3	C	269		FK
	URUM	02	0513	0519	0546	S10	E58	4460	04	6.6	33	SN			C	63	1.2		
	MANI	02	0515E	0517	0522	S13	E58	4460	04	6.6	7D	SN	1	V		102	1.8	F	
	YUNN	02	0520E	0525U	0549	S11	E58	4460	04	6.6	29D	SN	C	1.2	P	0525	47	.9	G
0028	ATHN	02	0955E	0958D	1018	S12	W05	4455	04	2.0	23D	SB	C	9.3	2	V	0958	159	1.8
		02	1146		1219	No Flare Patrol													
0029	RAMY	02	1150	1151	1202	N20	E14	4458	04	3.6	12	SN				142			
0030	HOLL	02	1622	1626	1714	S14	E42	4460	04	5.8	52	SF	C	1.2	3	C	60		F
0031	LEAR	03	0109	0109	0113	S10	W21	4454	04	1.5	4	SN				22		F	
0032		03	0121I	0122I	0129	S13	E56	4462	04	7.3	8	SF				50		U	
	PALE	03	0121	0122	0126	S12	E56	4462	04	7.3	5	SF	3	C		19			
	LEAR	03	0122	0123	0132	S14	E57	4462	04	7.4	10	SF	3	C		82		U	
0033		03	0123*	0138	0150	S09	W74	4456	03	28.6	27	SN				46		F	
	LEAR	03	0123	0138	0156	S09	W72	4456	03	28.7	33	SN	3	C		62		F	
	YUNN	03	0135	0138	0145	S09	W75	4456	03	28.5	10	S'			C	31			
0034	LEAR	03	0139	0150	0156	S13	W18	4455	04	1.7	17	SF	3	C		24		F	
0035	LEAR	03	0204	0204	0209	N21	E02	4458	04	3.2	5	SF	3	C		35			

94
Apr 84

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See Type	Time (UT)	Area Measurement		Remarks	
														Apparent (10 ⁻⁶ Disk)	Curr (Sq Deg)		
0036		03 0229*	0233*	0306	S12	W20	4455	04	1.6	37	SN			51	.7		
	LEAR	03 0229	0233	0309	S13	W18	4455	04	1.7	40	SN	3	C	32			
	CULG	03 0259	0300	0303	S11	W21	4455	04	1.5	4	SF		C	0300	70	.7	
0037	LEAR	03 0336	0412	0437	S13	W17	4455	04	1.9	61	SF	3	C		40		F
0038	LEAR	03 0418	0419	0432	S11	W75	4456	03	28.6	14	SF	3	C		23		
0039		03 06184	06242	0654	S13	W18	4455	04	1.9	36	SN C 2.1			178	2.2	EFIJT	
	ABST	03 0618	0626	0656	S13	W18	4455	04	1.9	38	IN		C	0626	262	2.8	EIT
	CULG	03 0619	0624	0651	S13	W17	4455	04	2.0	32	SN		C	0624	160	1.7	J
	LEAR	03 0622	0625U	0556	S13	W18	4455	04	1.9	34	SB C 2.1	2	C		100		FE
	YUNN	03 0624E	0627U	0642D	S13	W18	4455	04	1.9	18D	SN C 2.1		P	0627	189	2.1	F
0040	LEAR	03 0725	0726	0732	S10	W36	4454	03	31.6	7	SN	3	C		19		
0041	HTPR	03 0733E		0735D	S12	W22	4455	04	1.6	2D	SF		C	0735	20	.2	
0042	HTPR	03 0828E		0848	S14	W26	4455	04	1.4	20D	SF		C	0835	10	.1	
0043	HTPR	03 0849	0857	0907	S12	W22	4455	04	1.7	18	SN		C	0857	30	.3	
		03 1123		1125	No Flare Patrol												
0044	HTPR	03 1158	1203	1225	S12	E30	4458B	04	5.7	27	SB		C	1203	70	.8	E
0045	HTPR	03 1207	1208	1223	S12	W24	4455	04	1.7	16	SB		C	1208	30	.3	E
0046	HTPR	03 1208	1216	1242	N21	E01	4458	04	3.6	34	SN		C	1216	60	.6	E
0047	HTPR	03 1232	1235	1240	S12	W24	4455	04	1.7	8	SB		C	1235	20	.2	E
0048		03 1405*	1426	1447	S12	W17	4455	04	2.3	42	SF			46	.3	E	
	HTPR	03 1405	1426	1445	S11	W17	4455	04	2.3	40	SF		C	1426	30	.3	E
	HOLL	03 1424	1426	1449	S12	W17	4455	04	2.3	25	SF	3	C		61		
0049	HTPR	03 1452	1453	1500	N22	W08	4458	04	3.0	8	SF		C	1453	20	.2	E
0050		03 15262	1529	1535	S12	W28	4455	04	1.5	9	SN C 1.2			52	.4		
	HOLL	03 1525	1529	1536	S11	W28	4455	04	1.5	10	SF C 1.2	3	C		65		
	HTPR	03 1527	1529	1534	S12	W28	4455	04	1.5	7	SB		C	1529	40	.4	
	RA	03 1528	1529	1536	S12	W28	4455	04	1.5	8	SF C 1.2	3	C		51		
0051	HOLL	03 1546	1546	1557	S11	W29	4455	04	1.5	11	SF	3	C		25		H
0052		03 1550*	16103	1650	N23	E01	4458	04	3.7	60	SN C 1.2			73	.2		
	HTPR	03 1550		1600D	N23	E02	4458	04	3.8	10D	SF		C	1558	20	.2	
	RAMY	03 1555	1610	1625D	N23	E03	4458	04	3.9	30D	SN C 1.2	3	C		118		
	HOLL	03 1600	1613	1650	N22	W01	4458	04	3.6	50	SN C 1.2	3	C		82		
0053	HOLL	03 1630	1635	1707D	S10	W25	4455	04	1.8	37D	SF	3	C		74		F
		03 1659		1704	No Flare Patrol												
		03 1708		1714	No Flare Patrol												
		03 1809		1834	No Flare Patrol												
0054	PALE	03 1841E	1846U	1911	S11	W44	4454	03	31.5	30D	SF	3	C		68		
0055	HOLL	03 2009	2010	2013	S19	E57		04	8.2	4	SF	3	C		41		
0056	HOLL	03 2111	2121	2159	N22	W04	4458	04	3.6	48	SF	3	C		47		F
0057		04 0019*	0034*	0226	S12	W32	4455	04	1.6	127	SN C 4.2			114	1.7	EFKT	
	LEAR	04 0019	0215	0317	S11	W32	4455	04	1.6	178	SN	3	C	40		K	
	LEAR	04 0019	0259	0317	S11	W32	4455	04	1.6	178	SB C 4.2	3	C	181		FK	
	HOLL	04 0033	0034	0050	S12	W28	4455	04	1.9	17	SF		C	32			
	MANI	04 0057	0100	0122	S11	W32	4455	04	1.6	25	SN	1	V	60	.6	F	
	YUNN	04 0058E	0058U	0104	S13	W36	4455	04	1.3	6D	SN		P	0058	31	.4	ET
	HOLL	04 0100E	0100U	0117D	S12	W32	4455	04	1.6	17D	SN	3	C	76		F	
	PALE	04 0114	0118	0122	S13	W27	4455	04	2.0	8	SF		C	20			
	PALE	04 0158	0226	0309D	S13	W30	4455	04	1.8	71D	SN	3	C	125		F	
	YUNN	04 0211	0212	0248	S13	W28	4455	04	2.0	37	SN		C	94	1.1	T	
	URUM	04 0240	0300	0315	S11	W34	4455	04	1.5	35	SB		C	157	2.0		
	YUNN	04 0248	0256	0311	S10	W34	4455	04	1.6	23	IB C 4.2		C	236	2.9	T	
	CULG	04 0254	0259	0308	S13	W34	4455	04	1.5	14	IB		C	0259	280	3.3	
	MANI	04 0255E	0259	0315	S12	W32	4455	04	1.7	20D	SN	1	V		150	1.6	F

H - ALPHA SOLAR FLARES

95
Apr 84

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0058		04	03591	0401	0404	N22	W07	4458	04	3.6	5	SN					30	.3		
	LEAR	04	0359	0401	0403	N22	W07	4458	04	3.6	4	SN		3	C		29			
	MANI	04	0400	0401	0406	N22	W07	4458	04	3.6	6	SN		1	V		30		.3	
0059		04	06352	06373	0652	S12	W32	4455	04	1.9	17	SF					31	.4	E	
	HTPR	04	0635	0640	0703	S12	W30	4455	04	2.0	28	SF			C	0640	30	.3	E	
	LEAR	04	0637	0637	0647	S12	W32	4455	04	1.9	10	SN		3	C		27			
	MANI	04	0639E	0640	0645	S12	W33	4455	04	1.8	6D	SF		1	V		35		.4	
0060	ISTA	04	0832		0840	S11	W32	4455	04	1.9	8	SB							EZ	
0061		04	08443	08465	0858	S11	W51	4454	03	31.5	14	SN					56	.5	EF	
	LEAR	04	0844	0846	0902	S11	W52	4454	03	31.4	18	SN		3	C		82		F	
	HTPR	04	0846	0851	0856	S11	W50	4454	03	31.6	10	SN			C	0851	30	.5	E	
	ISTA	04	0847	0849	0855	S10	W52	4454	03	31.4	8	SN								
0062		04	09373	09382	0951	S11	W39	4455	04	1.5	14	1B C 6.5					228	2.8	ELTV	
	YUNN	04	0935E	0936U	0936D	S11	W40	4455	04	1.4	1D	SB C 6.5		P	0936	31	.4	T		
	LEAR	04	0937	0938	0950	S12	W40	4455	04	1.4	13	1B C 6.5	3	C		251				
	HTPR	04	0937	0939	0952	S12	W36	4455	04	1.7	15	1B		C	0939	350	4.3	EV		
	KHAR	04	0938E	0939	0950D	S10	W41	4455	04	1.3	12D	SB		V	0940			L		
	CATA	04	0940	0940	0950	S13	W39	4455	04	1.5	10	1 C 6.5	2	C	0940	281	3.7			
0063		04	1108*	1123*	1135	S15	W23	4455	04	2.7	27	SF					36	.4	EF	
	HTPR	04	1108	1123	1130	S13	W20	4455	04	2.9	22	SF			C	1123	40	.4	E	
	RAMY	04	1117	1123	1134	S14	W23	4455	04	2.7	17	SF		3	C		39		F	
	CATA	04	1135	1135	1140	S17	W25	4455	04	2.6	5	S		1	C	1135	28	.3		
0064	RAMY	04	1313	1314	1327	N20	W13	4455	04	3.5	14	SF		3	C		53		F	
0065		04	1331*	13359	1414	S14	W26	4455	04	2.6	43	SN					65		F	
	HOLL	04	1331	1335	1414	S13	W26	4455	04	2.6	43	SF		2	C		94		F	
	RAMY	04	1343	1344	1401D	S14	W25	4455	04	2.7	18D	SN		3	C		36		F	
0066		04	1603	16052	1625	S12	W39	4455	04	1.7	22	SN					55			
	RAMY	04	1603	1605	1623	S12	W39	4455	04	1.7	20	SN		3	C		56			
	HOLL	04	1603	1607	1627	S11	W39	4455	04	1.7	24	SN		3	C		54			
0067	RAMY	04	1722	1727	1749	S12	W38	4455	04	1.9	27	SN C 1.8	3	C		44		FS		
0068		04	18201	18281	1936	N22	W12	4458	04	3.8	76	SN					119		F	
	HOLL	04	1820	1829	1938	N22	W13	4458	04	3.8	78	SN		3	C		166		F	
	RAMY	04	1821	1828	1935	N22	W12	4458	04	3.8	74	SN		3	C		72			
0069		04	1839	18402	1852	S12	W43	4455	04	1.5	13	SB C 6.3					60		EF	
	RAMY	04	1839	1840	1853	S13	W43	4455	04	1.5	14	SB C 6.3	3	C		37		FE		
	HOLL	04	1839	1842	1852	S11	W43	4455	04	1.5	13	SB C 6.3	3	C		83		F		
0070	RAMY	04	1902	1909	1915	S10	W57	4454	03	31.5	13	SF		3	C		62			
		04	2021		2101	No Flare Patrol														
		04	2106		2109	No Flare Patrol														
		04	2116		2120	No Flare Patrol														
0071	CULG	04	2225	2227	2230	N20	W23	4458	04	3.2	5	SF			C	2227	30	.3		
0072		05	0626E	0628	0634	S12	W62	4454	03	31.6	8D	SF					18	.4	EF	
	HTPR	05	0626E		0636	S12	W61	4454	03	31.7	10D	SF			C	0630	20	.4	E	
	LEAR	05	0628E	0628	0631	S12	W63	4454	03	31.5	3D	SF		3	C		17		F	
0073		05	0647	06462	0653	S13	W50	4455	04	1.5	6	SF					48	.8	D	
	ABST	05	0643E	0646	0656	S14	W51	4455	04	1.4	13D	SF		P	0646	87	1.4	D		
	HTPR	05	0647	0648	0650	S12	W48	4455	04	1.7	3	SF		C	0648	10	.1			
0074		05	07297	0738*	0818	S16	W56	4455	04	1.1	49	SF C 2.1					44	.8	DEFL	
	KHAR	05	0727E	0738	0825D	S13	W58	4455	03	31.9	58D	SF		V	0738			EL		
	YUNN	05	0729	0747	0811	S16	W57	4455	04	1.0	42	SN		C		47	.9			
	HTPR	05	0730E		0843	S15	W56	4455	04	1.1	73D	SF		C	0746	60	1.2	E		
	PEKG	05	0733	0740	0810	S16	W55	4455	04	1.1	37	SF C 2.1		C	0740	42	.7	D		
	LEAR	05	0736	0750	0809	S16	W55	4455	04	1.1	33	SF C 2.1	3	C		42		F		
	URUM	05	0739E	0739U	0744D	S17	W55	4455	04	1.1	5D	SN		P	0739	31	.6			

96
Apr 84

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Remarks	
								USAF Region						Mo	Day		(Min)
0075	HTPR	05	0959E		1010	N23	W30	4458	04	3.1	11D	SF	C	0959	20	.2	E
0076		05	1302	1310*	1430	N18	W27	4458	04	3.5	88	1B C 7.4			201	3.2	EFK
	RAMY	05	1302	1310	1434	N17	W28	4458	04	3.4	92	SF	3 C		80		K
	RAMY	05	1302	1332	1434	N17	W28	4458	04	3.4	92	1B C 7.4	3 C		267		FEK
	ATHN	05	1311E	1334	1400D	N18	W26	4458	04	3.6	49D	1B C 7.4	3 V	1334	255	3.2	
	HOLL	05	1323E	1332	1421	N20	W27	4458	04	3.5	58D	1B C 7.4	2 C		203		F
		05	1850		1853	No Flare Patrol											
0077	RAMY	05	1914	1916	1922	S13	W50	4455	04	2.0	8	SF	3 C		30		F
0078	RAMY	05	2044	2046	2051	S14	W48	4455	04	2.2	7	SF	3 C		33		
0079		05	20571	20581	2116	S08	W02	4460	04	5.7	19	SN			27		H
	RAMY	05	2057	2058	2115	S09	W02	4460	04	5.7	18	SF	3 C		28		
	HOLL	05	2058	2059	2116	S09	W02	4460	04	5.7	18	SN	3 C		26		H
0080		05	21127	2121*	2203	S13	W53	4455	04	1.9	51	SN C 3.1			76		FHK
	RAMY	05	2112	2121	2209	S14	W54	4455	04	1.8	57	SN C 3.1	2 C		103		FK
	HOLL	05	2112	2122	2212	S12	W53	4455	04	1.9	60	SN C 3.1	3 C		94		FHK
	RAMY	05	2112	2147	2209	S14	W54	4455	04	1.8	57	SF	2 C		65		K
	HOLL	05	2112	2148	2212	S12	W53	4455	04	1.9	60	SF	3 C		42		K
	PALE	05	2119	2121	2133	S14	W52	4455	04	1.9	14	SN C 3.1	3 C		79		F
0081	HOLL	05	2234	2240	2300	S10	W55	4455	04	1.8	26	SF	3 C		28		F
0082		05	23151	23171	2322	S13	W55	4455	04	1.8	7	SF			49	1.0	F
	CULG	05	2315	2317	2321	S16	W55	4455	04	1.8	6	SF	C	2317	60	1.0	
	PALE	05	2315	2317	2323	S12	W55	4455	04	1.8	8	SF	3 C		55		
	HOLL	05	2316	2318	2323	S10	W55	4455	04	1.8	7	SN	3 C		33		F
0083		05	23342	2336	2342	S11	W56	4455	04	1.8	8	SF			29	.5	
	PALE	05	2334	2336	2342	S12	W56	4455	04	1.8	8	SF	3 C		33		
	HOLL	05	2336	2336	2341	S10	W56	4455	04	1.8	5	SF	3 C		24		
	MANI	05	2336	2336	2342	S12	W55	4455	04	1.8	6	SF	1 V		30	.5	
0084		05	2342	23421	2352	S09	W02	4460	04	5.8	10	SF			24	.2	
	HOLL	05	2342	2342	2354	S09	W03	4460	04	5.8	12	SF	3 C		22		
	MANI	05	2343E	2343	2350	S09	W02	4460	04	5.8	7D	SF	1 V		25	.2	
0085		06	0158*	0206*	0330	S13	W50	4455	04	2.3	92	1N C 7.6			256	3.8	EF I JKTZ
	PALE	06	0158	0211	0359D	S12	W49	4455	04	2.4	121D	1N	3 C		227		K
	PALE	06	0158	0303U	0359D	S12	W49	4455	04	2.4	121D	2B	3 C		514		ZFK
	VORO	06	0159	0206	0224	S14	W48	4455	04	2.4	25	SN	C	0206	72	1.1	EI
	LEAR	06	0159	0206	0435	S14	W47	4455	04	2.5	156	SB	3 C		161		K
	MITK	06	0159	0206	0452	S12	W49	4455	04	2.4	173	SN	C	0206			E
	PEKG	06	0159	0215	0245	S12	W50	4455	04	2.3	46	2N	C	0215	421	6.7	F
	LEAR	06	0159	0307	0435	S14	W47	4455	04	2.5	156	1B C 7.6	3 C		321		JFK
	CULG	06	0201	0210	0231	S15	W47	4455	04	2.5	30	1N	C	0210	150	2.2	ZF
	YUNN	06	0210E	0215U	0300	S09	W51	4455	04	2.3	50D	1N	P	0215	189	3.1	FT
	YUNN	06	0221	0227	0249	S14	W54	4455	04	2.0	28	SB	P		79	1.4	T
	VORO	06	0254	0258	0341	S14	W51	4455	04	2.3	47	SN	C	0258	116	1.9	EI
	PEKG	06	0255	0300	0335	S13	W51	4455	04	2.3	40	2B	P	0300	757	12.5	F
	MITK	06	0255	0302	0338	S14	W50	4455	04	2.3	43	SN	C	0302			E
	YUNN	06	0258	0259	0259D	S14	W55	4455	04	2.0	1D	1B	P		141	2.5	T
	CULG	06	0258	0302	0324	S16	W52	4455	04	2.2	26	2N	C	0302	340	5.2	J
	URUM	06	0302E	0302U	0330D	S14	W50	4455	04	2.3	28D	1N	P	0302	141	2.2	
	YUNN	06	0310E	0311	0345	S12	W51	4455	04	2.3	35D	1B C 7.6	P		220	3.6	T
0086		06	0207	02091	0231	S08	W08	4460	04	5.5	24	SN			102	.5	F
	PALE	06	0207	0209	0236	S08	W09	4460	04	5.4	29	SF	3 C		157		F
	LEAR	06	0207	0210	0231	S09	W07	4460	04	5.6	24	SN	3 C		103		F
	YUNN	06	0210E	0215U	0225	S07	W09	4460	04	5.4	15D	SB	P	0215	47	.5	F
0087	LEAR	06	0410	0412	0417	S09	W06	4460	04	5.7	7	SF	3 C		23		F
0088	LEAR	06	0439	0452	0500	S10	W10	4460	04	5.4	21	SF	3 C		63		

H - ALPHA SOLAR FLARES

97
Apr 84

APRIL 1984

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)	
0089	ABST	06	0447E	0448	0458D	S14	W03	4462	04	6.0	11D	1F			P	0448	227	2.4	E
0090	LEAR	06	0504	0507	0512	S10	W76	4454	03	31.5	8	SF		3	C		15		
0091	06	0730*	0734*	0758	0758	S08	W09	4460	04	5.6	28	SN	C 1.2				108	1.0	EFL
	KHAR	06	0728E	0735	0750D	S07	W10	4460	04	5.6	22D	SN			V	0735			EL
	BUCA	06	0730		0815	S08	W10	4460	04	5.6	45	SN	C 1.2		P	0737	107	1.1	
	LEAR	06	0730	0734	0811	S08	W09	4460	04	5.6	41	SB	C 1.2	3	C		161		F
	HTPR	06	0730	0736	0753	S09	W10	4460	04	5.6	23	SB			C	0736	60	.6	E
	ISTA	06	0731		0740	S08	W08	4460	04	5.7	9	SF	C 1.2						E
	YUNN	06	0731	0737	0747	S08	W09	4460	04	5.6	16	SB	C 1.2		P		94	1.0	E
	PEKG	06	0735	0739	0753	S07	W08	4460	04	5.7	18	1N	C 1.2		P	0739	294	3.1	E
	URUM	06	0741E	0741U	0751	S09	W09	4460	04	5.6	10D	SF			P	0741	31	.3	
	HTPR	06	0759	0803	0810	S10	W10	4460	04	5.6	11	SF			C	0803	10	.1	
0092	06	0905	0907	0927	0927	S10	W78	4454	03	31.5	22	SF					34		
	LEAR	06	0905	0907	0927	S11	W79	4454	03	31.4	22	SF		3	C		34		
	KHAR	06	0917E		0923D	S08	W78	4454	03	31.5	6D	SF			V	0921			
0093	06	0943	0948	1012	1012	S08	W10	4460	04	5.6	29	SN					130	1.3	E
	KHAR	06	0943E		0946D	S07	W11	4460	04	5.6	3D	SF			V	0943			E
	HTPR	06	0943	0948	1012	S08	W10	4460	04	5.6	29	SN			C	0948	130	1.3	E
0094	06	1027	1039	1150	1150	S12	W11	4460	04	5.6	83	2N					538	6.5	EFIU
	HTPR	06	1027	1039	1200	S11	W12	4460	04	5.5	93	2B			C	1039	650	6.5	EIU
	RAMY	06	109E		1141	S12	W10	4460	04	5.7	32D	1F		3	C		427		F
0095	HTPR	06	1037	1040	1120	S20	E06	4462B	04	6.9	43	SF			C	1040	20	.2	
0096	06	12091	1212	1224	1224	S12	W62	4455	04	1.8	15	SF					18	.2	
	HTPR	06	1209	1212	1223	S12	W61	4455	04	1.9	14	SF				1212	10	.2	
	RAMY	06	1210	1212	1225	S13	W63	4455	04	1.7	15	SF		3	C		25		
0097	RAMY	06	1312	1316	1328	S1E	W56	4455	04	2.3	16	SF		3	C		18		
0098	HTPR	06	1350	1357	1410	N23	W31	4458	04	4.2	20	SF			C	1357	10	.1	
0099	06	14302	1438*	1506	1506	S12	W64	4455	04	1.8	36	SN					34	.7	E
	HTPR	06	1430	1500	1530	S11	W64	4455	04	1.8	60	SN			C	1500	30	.7	E
	RAMY	06	1432	1438	1441	S12	W65	4455	04	1.7	9	SF		3	C		38		
	06	1659		1714	1730	No Flare Patrol													
0100	RAMY	06	1825	1826	1843D	S14	W60	4455	04	2.2	18D	SF		3	C		57		
0101	RAMY	06	2004E		2004D	S15	W55	4455	04	2.7	18D	SF		2	C				F
0102	RAMY	06	2107	2110	2136	S12	W74	4455	04	1.3	29	SF	C 2.2	3	C		59		
0103	PALE	06	2157E	2157U	2240	S12	W74	4455	04	1.3	43D	SF	C 3.0	3	C				
0104	06	2344	23452	2356	2356	S09	W18	4460	04	5.6	12	SN	C 2.0				71	.6	
	LEAR	06	2344	2345	2351	S09	W18	4460	04	5.6	7	SB	C 2.0	3	C		70		
	PALE	06	2346E	2346U	2351D	S09	W18	4460	04	5.6	5D	SF	C 2.0	3	C		79		
	MANI	06	2346E	2347	2401	S09	W18	4460	04	5.6	15D	SB		1	V		65	.6	
0105	07	0036E	0039*	0120	0120	N22	W45	4458	04	3.6	44D	SF					52	1.1	E
	YUNN	07	0036E	0039	0110	N25	W44	4458	04	3.6	34D						63	1.1	E
	PURP	07	0052E	0056	0107	N19	W49	4458	04	3.3	15D	SF			C				E
	PALE	07	0057E	0058U	0120D	N23	W44	4458	04	3.6	23D	SF		3	C		56		
LEAR	07	0116E	0120U	0143	N23	W43	4458	04	3.7	27D	SF		3	C		37			
0106	07	0247	02481	0303	0303	S10	W80	4454	04	1.1	16	1B	M 2.9				130		F
	LEAR	07	0247	0248	0300	S11	W77	4454	04	1.3	13	SB	M 2.9	3	C		106		F
	URUM	07	0247	0249	0304	S08	W81	4454	04	1.0	17	1B			C		94		
	YUNN	07	0248E	0248U	0304	S08	W84	4454	03	31.8	16D	2B	M 2.9		P	0248	189		F
	PALE	07	0249E	0249U	0305D	S11	W77	4454	04	1.3	16D	SB	M 2.9	3	C				F

98
Apr 84

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
															Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0107	MANI	07 0252E	0252U	0300D	S15	W63	4455	04	2.4	8D	SF	1	V		95	2.0	F
0108	KHAR	07 0828E		0840D	S08	W90	4454	03	31.6	12D	SF		V	0830			
0109	HTPR	07 0842	0847	0855	S12	W64	4455	04	2.5	13	SF		C	0847	10	.2	
0110		07 0940	0946	1006	S10	W68	4455	04	2.3	26	SF				10	.2	D
	HTPR	07 0940	0946	1006	S12	W64	4455	04	2.6	26	SF		C	0946	10	.2	
	KHAR	07 0946E		1002D	S09	W73	4455	04	1.9	16D	SF		V	0946			D
0111		07 1039	1041	1045	S10	W73	4455	04	1.9	6	SF				20	.3	DE
	KHAR	07 1033E		1050D	S09	W73	4455	04	2.0	17D	SF		V	1036			D
	HTPR	07 1039	1041	1045	S12	W73	4455	04	1.9	6	SF		C	1041	20	.3	E
0112		07 11414	1155*	1218	S14	W65	4455	04	2.6	37	SF				20	.5	
	RAMY	07 1141	1155	1222	S16	W64	4455	04	2.6	41	SF	3	C		20		
	HTPR	07 1145	1208	1215	S12	W66	4455	04	2.5	30	SF		C	1208	20	.5	
0113		07 1323	1323	1332	S12	W72	4455	04	2.1	9	SF				16	.2	
	HTPR	07 1316E		1333	S12	W67	4455	04	2.5	17D	SF		C	1325	10	.2	
	RAMY	07 1323	1323	1332	S13	W77	4455	04	1.7	9	SF	3	C		21		
0114	HTPR	07 1353		1359D	S12	W67	4455	04	2.5	6D	SF		C	1354	20	.4	
0115	RAMY	07 1809	1810	1818	S11	W30	4460	04	5.5	9	SF	3	C		29		
0116	RAMY	07 1936	1936	1944D	S12	W82	4455	04	1.6	8D	SF	3	C		14		
		07 1945		1952	No Flare Patrol												
0117	RAMY	07 2006E		2025	S13	W28	4460	04	5.7	20D	SF	3	C				
		07 2006		2013	No Flare Patrol												
		07 2117		2123	No Flare Patrol												
0118	RAMY	07 2133	2136	2141	S12	W30	4460	04	5.6	8	SF	2	C		33		
		07 2205		2216	No Flare Patrol												
0119		08 0017E	0017	0040	S11	W16	4462	04	6.8	23D	SF				72		F
	LEAR	08 0017E	0017	0049	S11	W17	4462	04	6.7	32D	SF	3	C		90		F
	PALE	08 0018E	0018U	0030	S11	W16	4462	04	6.8	12D	SF	3	C		53		F
0120		08 0340	0345I	0410	S14	W64	4455	04	3.3	30	SF				54	.7	DF
	LEAR	08 0340	0346	0422	S15	W64	4455	04	3.3	42	SF	3	C		77		F
	YUNN	08 0341E	0345	0357	S14	W65	4455	04	3.2	16D	SF		P		31	.7	D
0121		08 0730I	0734I	0752	N21	W63	4458	04	3.5	22	SF	C 1.0			73	1.3	F
	URUM	08 0730	0734	0739	N23	W60	4458	04	3.7	9	IN		C		79		
	LEAR	08 0731	0735	0758	N20	W64	4458	04	3.4	27	SF	C 1.0	3	C	80		F
	MANI	08 0734E	0735	0758	N20	W64	4458	04	3.4	24D	SF		1	V	59	.3	F
		08 0950		1014	No Flare Patrol												
		08 1021		1044	No Flare Patrol												
0122	LEAR	09 0352	0353	0411	N24	W73	4458	04	3.5	19	SF	3	C		25		
		09 0951		1052	No Flare Patrol												
		09 1102		1105	No Flare Patrol												
0123	RAMY	09 1108E	1117U	1152	N02	E29		04	11.6	44D	SF	3	C		83		F
		09 1753		2137	No Flare Patrol												
0124		10 00144	00167	0026	S12	W44	4462	04	6.7	12	SF				111	1.5	E
	CULG	10 0014	0016	0027	S14	W43	4462	04	6.7	13	SF		C	0016	130	1.7	
	PEKG	10 0018	0023	0026	S11	W44	4462	04	6.7	8	SF		C	0023	92	1.3	E

H - ALPHA SOLAR FLARES

99
Apr 84

APRIL 1984

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)	
0125	YUNN	10	0117E	0124	0137	N22	W88		04	3.3	20D	SN			P		31		AG
0126	PEKG	10	0220	0235	0246	N10	E90	4468	04	16.8	26	SF			C	0235	50		A
0127	WEND	10	0728E		0740	N12	E90	4468	04	17.1	12D	SN			C	0728	30		
0128	YUNN	10	0816	0820	0837	S10	W65	4462	04	5.5	21	SF			C		63	1.5	
0129		10	0956*	10227	1044	N11	E84	4468	04	16.7	48	SN					70		G
	WEND	10	0956	1022	1044	N11	E85	4468	04	16.8	48	SN			C	1022	45		
	URUM	10	1011	1026	1050	N12	E84	4468	04	16.7	39	1N			C		94		
	KANZ	10	1029E	1029	1037	N11	E83	4468	04	16.7	8D	SB		1					G
0130	KANZ	10	1223	1228	1232	N11	E83	4468	04	16.8	9	SF		1					G
		10	1237		1250	No Flare Patrol													
		10	1256		1343	No Flare Patrol													
		10	1345		1636	No Flare Patrol													
		10	1958		2110	No Flare Patrol													
0131	YUNN	11	0025	0035	0107	N10	E71	4468	04	16.3	42	SF			C		31		DT
0132	YUNN	11	0135	0147	0200	N10	E70	4468	04	16.3	25	SF			C		31		DT
0133	YUNN	11	0208	0220	0235	N10	E71	4468	04	16.4	27	SF			C		31		ET
0134		11	0550I	05533	0606	S13	W78		04	5.3	16	1N					82		A
	CULG	11	0550	0553	0559	S14	W77		04	5.4	9	1N			C	0553	70		
	YUNN	11	0551	0556	0613	S12	W80		04	5.2	22	1N			C		94		A
0135	YUNN	11	0620	0631	0640	N12	E69	4468	04	16.5	20	SN			C		47		DT
0136	HTPR	11	1018	1024	1033	N12	E67	4468	04	16.5	15	SF			C	1024	10	.2	
0137	HTPR	11	1449E		1700D	N12	E66	4468	04	16.6	131D	SN			C	1512	30	.7	ET
0138	HTPR	11	1530	1532	1549	S18	W49	4462	04	7.9	19	SF			C	1532	20	.3	EG
		11	1852		1859	No Flare Patrol													
		11	1932		1937	No Flare Patrol													
		11	1944		1949	No Flare Patrol													
0139		11	2156I	22098	2238	N10	E62	4468	04	16.6	42	SN					18		FK
	HOLL	11	2156	2209	2237	N09	E63	4468	04	16.6	41	SN		3	C		20		K
	HOLL	11	2156	2216	2237	N09	E63	4468	04	16.6	41	SN		3	C		14		FK
	PALE	11	2157	2217	2241	N11	E59	4468	04	16.3	44	SF		3	C		21		F
0140		11	2339I	23427	2419	N09	E58	4468	04	16.3	40	SN	C 1.2				27		FK
	LEAR	11	2339	2342	2417	N10	E57	4468	04	16.3	38	SN		3	C		32		K
	LEAR	11	2339	2349	2417	N10	E57	4468	04	16.3	38	SB	C 1.2	3	C		28		FK
	HOLL	11	2340	2347	2424	N08	E59	4468	04	16.4	44	SN	C 1.2	3	C		21		F
0141		12	0027*	00392	0051	N10	E58	4468	04	16.4	24	SN	C 1.2				37	.7	F
	HOLL	12	0027	0050U	0056D	N11	E58	4468	04	16.4	29D	SN	C 1.2	3	C		30		
	MANI	12	0038	0039	0050	N10	E58	4468	04	16.4	12	SN		1	V		40	.7	F
	PALE	12	0038	0039	0053	N09	E55	4468	04	16.1	15	SN	C 1.2	3	C		45		F
	LEAR	12	0039	0041	0049	N10	E59	4468	04	16.5	10	SB	C 1.2	3	C		34		F
0142	PALE	12	0152	0154	0158	N11	E56	4468	04	16.3	6	SN	C 1.0	3	C		18		F
0143		12	0220*	02335	0245	N10	E56	4468	04	16.3	25	SN	C 1.6				18		
	PALE	12	0220	0233	0246	N11	E56	4468	04	16.3	26	SF	C 1.6	3	C		18		
	LEAR	12	0238	0238	0244	N09	E56	4468	04	16.3	6	SN	C 1.6	3	C		12		
0144		12	0414*	04264	0436	N10	E56	4468	04	16.4	22	SN					56	1.3	F
	URUM	12	0414	0430	0441	N10	E58	4468	04	16.5	27	SN			C		63	1.3	F
	LEAR	12	0425	0426	0431	N10	E55	4468	04	16.3	6	SN		3	C		50		F

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time (UT)	Area Measurement		Remarks		
								USAF Region						Mo	Day		(Min)	Opt
0145		12	0536	0537	0547	N10	E55	4468	04	16.4	11	SN	C 3.3		53	.8	F	
	LEAR	12	0536		0546	N10	E55	4468	04	16.4	10	SB	C 3.3	3	59		F	
	MANI	12	0537E	0537	0540	N10	E55	4468	04	16.4	30	SF		1	53	.8		
	URUM	12	0548E	0548U	0556	N10	E55	4468	04	16.4	8D	SN			0548	47	.9	
0146	HTPR	12	0639	0639	0646	S17	W56		04	8.0	7	SF			0639	10	.1	
0147		12	0710	0713*	0737	N10	E55	4468	04	16.4	27	SF			40	.7	EK	
	HTPR	12	0710	0713	0737	N10	E55	4468	04	16.4	27	SF		C	0713	20	.3	EK
	HTPR	12	0710	0725	0737	N10	E55	4468	04	16.4	27	SF		C	0715	20	.3	EK
	URUM	12	0724E	0724U	0730D	N10	E55	4468	04	16.4	6D	SN		P	0724	79	1.5	
0148	PEKG	12	0809E	0812	0814D	N09	E53	4468	04	16.3	5D	1N		P	0812	210	3.8	E
0149	HTPR	12	0935	0941	0955	N11	E52	4468	04	16.3	20	SF		C	0941	40	.6	E
0150	HTPR	12	1017	1023	1033	N10	E52	4468	04	16.3	16	SF		C	1023	20	.3	
0151	HTPR	12	1125	1136	1153	N11	E51	4468	04	16.3	28	SN		C	1136	50	.8	E
0152		12	12523	1258	1306	N10	E50	4468	04	16.3	14	SN			50	.3		
	RAMY	12	1252	1258	1310	N09	E50	4468	04	16.3	18	SN		3	80			
	HTPR	12	1255	1258	1303	N11	E51	4468	04	16.4	8	SF		C	1258	20	.3	
0153	RAMY	12	1349	1350	1405	N10	E51	4468	04	16.4	16	SN		3	38			
0154		12	14132	1415*	1501	N10	E50	4468	04	16.3	48	SN			58	.1	K	
	HTPR	12	1413	1415	1426	N11	E50	4468	04	16.3	13	SN		C	1415	10	.1	
	RAMY	12	1415	1416	1518	N09	E50	4468	04	16.3	63	SN		3	26		K	
	RAMY	12	1415	1448	1518	N09	E50	4468	04	16.3	63	SF		3	132		K	
0155		12	16203	1623*	1650	N09	E48	4468	04	16.3	30	SN	C 1.0		32	.5	EFK	
	RAMY	12	1620	1633	1653	N09	E48	4468	04	16.3	33	SN	C 1.0	3	44			
	HOLL	12	1622	1623	1646	N08	E49	4468	04	16.3	24	SN		3	24		K	
	HOLL	12	1622	1633	1646	N08	E49	4468	04	16.3	24	SN	C 1.0	3	29		FK	
	HTPR	12	1623	1628	1655	N11	E48	4468	04	16.3	32	SN		C	1628	30	.5	E
0156		12	17009	17131	1720D	N09	E46	4468	04	16.2	20D	1B	C 7.9		153	2.2	E	
	HTPR	12	1700		1720D	N11	E46	4468	04	16.2	20D	1B		C	1715	150	2.2	E
	HOLL	12	1706	1713U	1713D	N07	E47	4468	04	16.2	7D	1B	C 7.9	3	160			
	RAMY	12	1708	1713	1713D	N09	E47	4468	04	16.2	7D	1B	C 7.9	3	174			
	PALE	12	1709	1714	1714D	N09	E45	4468	04	16.1	5D	SB	C 7.9	3	127			
0157	HOLL	12	2001	2010	2032D	N08	E47	4468	04	16.3	31D	SB		3	50			
0158		12	2132	21323	2143	N08	E44	4468	04	16.2	11	SN	C 1.8		94	2.4	K	
	HOLL	12	2132	2132	2142	N07	E45	4468	04	16.3	10	SB	C 1.8	3	71			
	PALE	12	2132	2133	2143	N09	E43	4468	04	16.1	11	SN	C 1.8	3	49			
	VORO	12	2132	2135	2143	N08	E44	4468	04	16.2	11	1F		C	2135	161	2.4	K
0159		13	0023*	00322	0039	N08	E44	4468	04	16.3	16	1N	C 2.2		153	2.3	I	
	LEAR	13	0023	0033	0044	N11	E46	4468	04	16.5	21	1N	C 2.2	3	198			
	HOLL	13	0032	0032	0038	N07	E42	4468	04	16.2	6	SN	C 2.2	3	102			
	VORO	13	0032	0033	0038	N08	E44	4468	04	16.3	6	1F		C	0033	188	2.8	I
	PURP	13	0034	0034	0037	N07	E44	4468	04	16.3	3	SB	C 2.2	C	0034	124	1.8	
0160	LEAR	13	0145	0208	0213	N09	E43	4468	04	16.3	28	SN		3	17			
0161	CULG	13	0429E	0431U	0444	N00	E38		04	16.0	15D	SF		P	0431	60	.7	GH
0162	LEAR	13	0512	0515	0523D	N10	E43	4468	04	16.4	11D	SN		3	34			
0163	ABST	13	0646	0649	0654	N07	E38	4468	04	16.1	8	1F		C	0649	175	2.4	E
0164	HTPR	13	0825	0826	0831	N14	E46	4468	04	16.8	6	SN		C	0826	30	.4	E
		13	1052		1104	No Flare Patrol												
0165	HTPR	13	1551		1630D	N12	E42	4468	04	16.8	39D	SF		C	1620	30	.4	E

H - ALPHA SOLAR FLARES

101
Apr 84

APRIL 1984

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks	
													(UT)	(10 ⁻⁶ Disk)		Apparent
		13 2007		2036		No Flare Patrol										
		13 2052		2105		No Flare Patrol										
0166		13 2153	2220*	2307	N07 E37	4468	04	16.7	74	SN				86		FK
	HOLL	13 2153	2220	2307	N07 E37	4468	04	16.7	74	SN	3	C		95		K
	HOLL	13 2153	2251	2307	N07 E37	4468	04	16.7	74	SN	3	C		77		FK
0167		14 0047	00476	0103	N09 E37	4468	04	16.8	16	SN				55	.9	F
	YUNN	14 0045E	0047	0101D	N10 E39	4468	04	17.0	16D	SN		P		63	.9	
	LEAR	14 0047	0053	0103	N08 E35	4468	04	16.6	16	SF	3	C		47		F
0168		14 0720	0722 ⁹	0738	N08 E29	4468	04	16.5	18	SN				20	.2	E
	HTPR	14 0720	0722	0738	N08 E29	4468	04	16.5	18	SF		C	0722	20	.2	E
	KANZ	14 0720	0731	0738	N09 E29	4468	04	16.5	18	SN	2					E
0169		14 1040*	1043*	1118	N12 E28	4468	04	16.5	38	SF				43	.7	DEFGHI
	KHAR	14 1040E	1043	1048D	N16 E29	4468	04	16.6	8D	SF		V	1043			DH
	HTPR	14 1040	1103	1119	N09 E28	4468	04	16.5	39	SN		C	1103	60	.7	EI
	KHAR	14 1046E	1046	1048D	N16 E31	4468	04	16.8	2D	SF		V	1046			D
	RAMY	14 1101	1104	1121	N07 E30	4468	04	16.7	20	SF	3	C		26		F
	KANZ	14 1102	1105	1113	N13 E24	4468	04	16.3	11	SF	2					G
0170	HTPR	14 1254	1302	1340	N02 W38		04	11.7	46	SF		C	1302	20	.2	EG
0171		14 1254*	1255*	1311	S15 E85	4469	04	21.0	17	SN	C 2.9			17		G
	HTPR	14 1254	1257	1305	S15 E85	4469	04	21.0	11	SN		C	1257	20		
	KANZ	14 1255	1255	1259	S17 E84	4469	04	20.9	4	SF						G
	RAMY	14 1255	1256	1300	S17 E88	4469	04	21.2	5	SF	3	C		22		
	HTPR	14 1304	1309	1320	S14 E86	4469	04	21.0	16	SN		C	1309	10		
	KANZ	14 1307	1308	1322	S14 E84	4469	04	20.9	15	SN	C 2.9	3	C	15		
	RAMY	14 1310	1310	1319	S14 E82	4469	04	20.7	9	SN		2				G
0172	RAMY	14 1256	1256	1300	N08 E28	4468	04	16.6	4	SN	3	C		26		F
0173		14 1430*	1437*	1456	N11 E26	4468	04	16.6	26	SN				35	.4	EF
	HTPR	14 1430	1437	1508	N12 E26	4468	04	16.6	38	SN		C	1437	40	.4	E
	KANZ	14 1434	1438	1446	N14 E26	4468	04	16.6	12	SN	2					
	RAMY	14 1437	1438	1442	N12 E27	4468	04	16.6	5	SN	3	C		30		F
	HOLL	14 1437	1455U	1506	N09 E28	4468	04	16.7	29	SF	3	C		38		F
	KANZ	14 1438	1438	1442	N10 E26	4468	04	16.6	4	SN	2					
	KANZ	14 1454	1454	1506	N10 E26	4468	04	16.6	12	SN	2					
	RAMY	14 1454	1455	1501	N09 E27	4468	04	16.6	7	SN	3	C		31		
0174	HOLL	14 1659	1701	1705	N07 E24	4468	04	16.5	6	SF	3	C		24		F
0175	HOLL	14 2114	2118	2132	S18 E76	4469	04	20.7	18	SF	3	C		16		F
0176	HOLL	15 0013	0040	0054	S17 E76	4469	04	20.8	41	SF	3	C		18		
0177	LEAR	15 0142	0145	0150	S18 E77	4469	04	20.9	e	SN	3	C		8		
0178		15 0428I	0430	0438	S16 E76	4469	04	20.9	10	IN	C 2.2			57		D
	ABST	15 0428	0430	0438	S15 E75	4469	04	20.9	10	IN		C	0430	87		D
	LEAR	15 0429	0430	0437	S18 E76	4469	04	21.0	8	SN	C 2.2	3	C	27		
0179		15 0537	05382	0542	N08 E12	4468	04	16.1	5	SN				58	.6	D
	ABST	15 0534E	0540	0546D	N07 E12	4468	04	16.1	12D	SN		C	0540	87	.9	D
	CULG	15 0537	0538	0542	N08 E11	4468	04	16.0	5	SN		C	0538	30	.3	
0180		15 0637	0644	0715	N12 E20	4468	04	16.8	38	SF				110	.9	F
	LEAR	15 0637	0644	0714	N12 E20	4468	04	16.8	37	SF	3	C		132		F
	MANI	15 0642E	0644	0716	N12 E20	4468	04	16.8	34D	SF	1	V		87	.9	F
0181	KANZ	15 0731	0731	0738	S17 E67	4469	04	20.4	7	SF	2					
0182	RAMY	15 1218	1220	1232	S17 E68	4469	04	20.7	14	SF	3	C		40		
0183		15 13064	13082	1332	S16 E66	4469	04	20.5	26	SN	C 4.5			40		EF
	WEND	15 1306	1308	1322	S17 E69	4469	04	20.8	16	SN	C 4.5	C	1308	38		E
	RAMY	15 1307	1308	1337	S17 E68	4469	04	20.7	30	SN	C 4.5	3	C	43		F
	KANZ	15 1310	1310	1338	S14 E61	4469	04	20.1	28	SF	2					

102
Apr 84

H - ALPHA SOLAR FLARES

APRIL 1984

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	(Sun)		
0184	HOLL	15	1555	1558	1616	S19	E65	4469	04	20.6	21	SF			3	C			20		
0185	HOLL	15	1716	1718	1730	S18	E67	4469	04	20.8	14	SF			3	C			12		
0186		15	1958*	20232	2028	S18	E61	4469	04	20.5	30	SF							43		
	PALE	15	1958	2023	2027	S17	E60	4469	04	20.4	29	SF			3	C			46		
	RAMY	15	2023	2025	2028	S17	E61	4469	04	20.5	5	SF			3	C			56		
	HOLL	15	2023	2025	2029	S19	E61	4469	04	20.5	6	SF			3	C			26		
0187	LEAR	16	0456	0459	0526	S18	E58	4469	04	20.6	30	SN			3	C			44		F
0188	HOLL	16	1614	1614	1617	S18	E52	4469	04	20.6	3	SF			3	C			22		
0189	HOLL	16	1630E	1647	1656	S15	E55	4469	04	20.8	26D	SF			3	C			35		
		16	1633		1638	No Flare Patrol															
0190		16	23021	2303	2312	S20	E54	4469	04	21.1	10	SN	C 1.3						28	.4	F
	MANI	16	2302	2303	2314	S19	E54	4469	04	21.1	12	SF			1	V			25	.4	F
	HOLL	16	2303	2303	2311	S20	E55	4469	04	21.2	8	SN	C 1.3		3	C			32		F
0191		17	01451	01481	0152	S16	E48	4469	04	20.7	7	1N							109	2.3	
	PALE	17	0145	0149	0153	S17	E52	4469	04	21.0	8	SF			3	C			61		
	YUNN	17	0146	0148	0150	S16	E45	4469	04	20.5	4	1N				C			157	2.3	
0192	YUNN	17	0156	0159	0206	N04	W11	71	04	16.2	10	SN				P			31	.3	D
0193		17	0220	02212	0236	S17	E50	4469	04	20.9	16	1N							146	3.8	F
	LEAR	17	0220	0221	0223D	S17	E48	4469	04	20.7	3D	SN			2	C			57		
	YUNN	17	0220E	0223	0236	S17	E51	4469	04	21.0	16D	1N				P			236	3.8	F
0194		17	0448	04497	0457	N08	W11	4468	04	16.4	9	SN							52		K
	LEAR	17	0448	0449	0457	N08	W11	4468	04	16.4	9	SF			3	C			49		K
	LEAR	17	0448	0456	0457	N08	W11	4468	04	16.4	9	SN			3	C			54		K
0195	LEAR	17	0507	0509	0513	S18	E50	4469	04	21.	6	SB			3	C			41		
0196	LEAR	17	0528	0528	0531	S18	E49	4469	04	20.9	3	SN			3	C			19		
0197	LEAR	17	0545	0546	0555	S17	E45	4469	04	20.6	10	SN			3	C			33		
0198		17	0929	09313	0948	S18	E48	4469	04	21.0	19	SB	C 8.5						96	.9	EF
	HTPR	17	0929	0931	0948	S18	E48	4469	04	21.0	19	SB				C	0931		60	.9	E
	LEAR	17	0929	0934	0943D	S18	E47	4469	04	21.0	14D	SB	C 8.5		3	C			133		F
0199		17	1123*	1128*	1223	S17	E46	4469	04	21.0	60	SN	C 2.0						53	.4	EF
	HTPR	17	1123	1128	1146	S18	E42	4469	04	20.7	23	SN				C	1128		30	.4	E
	RAMY	17	1123	1126	1238	S17	E43	4469	04	20.7	75	SN	C 2.0		3	C			108		F
	HTPR	17	1233	1236	1245	S15	E53	4469	04	21.5	12	SF				C	1236		20	.3	
0200		17	1422*	1423*	1458	S18	E43	4469	04	20.9	36	SR	M 1.0						105	.8	BEFK
	HTPR	17	1422	1423	1436	S20	E41	4469	04	20.7	14	SN				C	1423		20	.3	E
	RAMY	17	1423	1424	1511	S17	E42	4469	04	20.8	48	SN			3	C			43		K
	RAMY	17	1423	1453	1511	S17	E42	4469	04	20.8	48	1B	M 1.0		3	C			246		FEK
	HOLL	17	1424	1426	1432	S15	E42	4469	04	20.8	8	SN			3	C			19		F
	HTPR	17	1440		1450D	S19	E45	4469	04	21.0	10D	SB				C	1449		80	1.1	E
	HOLL	17	1443E	1448	1507	S20	E46	4469	04	21.1	24D	1B			3	C			193		FE
	HOLL	17	1444	1446U	1446D	S15	E41	4469	04	20.7	2D	1B	M 1.0		3	C			177		
	HTPR	17	1454E		1513	S19	E45	4469	04	21.0	19D	SB				C	1454		60	.9	BE
0201	HOLL	17	1624	1629	1731	N04	W19	4471	04	16.3	67	1F	C 2.0		3	C			208		F
0202	HOLL	17	1922	1924	1933	S20	E44	4469	04	21.2	11	SN	C 1.2		3	C			155		F
		17	2024		2122	No Flare Patrol															
0203	CULG	17	2147	2147	2151	S16	E35	4469	04	20.6	4	SF				C	2147		40	.4	

H - ALPHA SOLAR FLARES

103
Apr 84

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ D _{1.4})	Corr (Sq Deg)		
0204	PALE	18	0205	0207	0210	S16	E37	4469	04	20.9	5	SF			C		29			
0205		18	0222	0225*	0229	S18	E38	4469	04	21.0	7	SB					30	.4		
	YUNN	18	0222	0225	0229	S19	E37	4469	04	20.9	7	SN			L		30	.4		
	YUNN	18	0234E	0238	0242D	S18	E38	4469	04	21.0	8D	SB			P		30	.4		
0206		18	0234E	02352	0242	N03	W34	4471	04	15.6	8D	1N					104	1.3		
	CULG	18	0234E	0235	0242	N03	W34	4471	04	15.6	8D	SF			P	0235	40	.5		
	YUNN	18	0234E	0237	0242D	N03	W34	4471	04	15.6	8D	1N			P		167	2.1		
0207	LEAR	18	0556	0556	0600	N04	W36	4471	04	15.5	4	SN			3	C		23		
0208	HTPR	18	0709	0714	0721	N07	W28	4468	04	16.2	12	SF				C	0714	10	.1	
0209	HTPR	18	0711	0715	0719	N04	W37	4471	04	15.5	8	SF				C	0715	20	.2	E
0210	ISTA	18	0752		0815	S11	W85		04	11.9	23	SN								D
0211	RAMY	18	1120	1147	1303	N03	W40	4471	04	15.5	103	SF			3	C		38		
0212		18	12151	12205	1307	S18	E33	4469	04	21.0	52	1B	C	9.8				238	2.2	EFU
	HTPR	18	1215	1225	1305	S18	E34	4469	04	21.1	50	1B				C	1225	180	2.2	EU
	RAMY	18	1216	1220	1309	S18	E32	4469	04	20.9	53	1B	C	9.8	3	C		295		FE
0213	HTPR	18	1216	1220	1224	S17	E21	4473	04	20.1	8	SN				C	1220	30	.3	
0214		18	1431	14321	1448	N12	W25	4468	04	16.7	17	SF						52	.6	E
	RAMY	18	1431	1432	1452	N11	W24	4468	04	16.8	21	SF			3	C		55		
	HTPR	18	1431	1433	1443	N12	W26	4468	04	16.6	12	SF				C	1433	50	.6	E
0215		18	15492	15523	1610	N04	W30	4471	04	16.4	21	SN	C	1.4				104	1.0	EF
	HTPR	18	1549	1552	1608	N04	W30	4471	04	16.4	19	SN				C	1552	90	1.0	E
	RAMY	18	1551	1555	1612	N04	W31	4471	04	16.3	21	SN	C	1.4	3	C		119		F
0216	HTPR	18	1636	1638	1642	N12	W27	4468	04	16.6	6	SF				C	1638	30	.3	E
		18	1751		1753			No Flare Patrol												
		18	1823		1910			No Flare Patrol												
		18	2017		2036			No Flare Patrol												
		18	2128		2136			No Flare Patrol												
0217	LEAR	18	2359	2401	2408	N14	W31	4468	04	16.6	9	SF			3	C		24		F
0218	LEAR	19	0117	0119	0121	N07	W36	4468	04	16.3	4	SF			3	C		19		
0219	YUNN	19	0134	0138	0154	N19	E20		04	20.6	20	SF				C		15	.2	G
0220	LEAR	19	0144	0225	0258	N03	W48	4471	04	15.5	74	SN			3	C		29		
0221		19	01562	02003	0239	S17	E25	4469	04	21.0	43	1B	C	5.3				417	4.2	EF
	LEAR	19	0156	0202	0249	S19	E24	4469	04	20.9	53	2B	C	5.3	3	C		502		F
	MANI	19	0158	0200	0235	S16	E25	4469	04	21.0	37	1B			1	Y		472	4.9	F
	PALE	19	0158	0201	0239	S18	E23	4469	04	20.8	41	2B	C	5.3	3	C		531		FE
	YUNN	19	0159E	0159U	0206D	S17	E25	4469	04	21.0	7D	2B				P	0159	532	6.2	F
	PURP	19	0200E	0203	0226	S19	E26	4469	04	21.1	26D	1B				C	0203	317	3.7	
	CULG	19	0202E	0202U	0202D	S17	E24	4469	04	20.9	26D	S8				P	0202	170	1.8	
	PEKG	19	0217E	0217E	0245	S17	E26	4469	04	21.1	28D	1N				P	0217	399	4.7	F
0222		19	0357	0359*	0407	N03	W50	4471	04	15.4	10	SN						59	1.4	D
	LEAR	19	0357	0359	0407	N03	W50	4471	04	15.4	10	SN			3	C		31		
	ABST	19	0419E	0425	0437D	N03	W50	4471	04	15.4	18D	SF				P	0425	87	1.4	D
0223		19	0540*	0557*	0637	N03	W51	4471	04	15.4	57	SF						73	1.4	DT
	LEAR	19	0540	0559	0637	N03	W51	4471	04	15.4	57	SN						39		
	ABST	19	0554E	0557	0614D	N03	W50	4471	04	15.5	20D	SF			3	C		87	1.4	D
	HTPR	19	0601E		0640	N04	W51	4471	04	15.4	39D	SF				C	0601	50	.8	T
	URUM	19	0615	0625	0635	N03	W52	4471	04	15.4	20	SF				C		63	1.1	
	PEKG	19	0622E	0622	0637	N03	W51	4471	04	15.4	12D	1N				P	0622	126	2.1	D

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0224	19	0610*	06215	0644	S18	E23	4469	04	21.0	34	SN					123	1.6	EF	
	HTPR	19 0610	0621	0646	S18	E22	4469	04	20.9	36	SN		C	0621	70	.7	E		
	LEAP	19 0613	0624	0646	S18	E23	4469	04	21.0	33	SB	3	C		73		F		
	PURP	19 0621	0626	0641	S19	E24	4469	04	21.1	20	SN		C	0626	96	1.1			
	PEKG	19 0622E	0622	0645	S18	E24	4469	04	21.1	23D	1N		P	0622	252	2.9	E		
0225	LEAR	19 0840	0842	0900	N03	W52	4471	04	15.5	20	SF	3	C			25			
0226	URUM	19 1051	1056	1130	S15	E28	4469	04	21.6	39	SN		C			79	.9		
0227	RAMY	19 1243	1245	1259	N04	W44	4471	04	16.2	16	SF	3	C			34			
		19 1918		1951	No Flare Patrol														
		19 2023		2123	No Flare Patrol														
0228	20	01418	0151*	0223	S18	E12	4469	04	21.0	42	SN					176	2.9	EFHKU	
	YUNN	20 0141	0157	0211	S17	E12	4469	04	21.0	30	1N		C			380	4.1	F	
	LEAR	20 0149	0151	0239	S19	E12	4469	04	21.0	50	SB	3	C			132		FK	
	VORO	20 0149	0152	0203	S17	E13	4469	04	21.1	14	SF		C	0152		161	1.7	EUH	
	LEAR	20 0149	0231	0239	S19	E12	4469	04	21.0	50	SF	3	C			32		K	
0229	20	0603	06056	0630	S13	E12	4469	04	21.1	27	SN	C 2.8				153	1.9	EF	
	LEAR	20 0603	0605	0636	S14	E12	4469	04	21.1	33	SB	C 2.8	3	C		98		F	
	BUCA	20 0603	0611	0620	S12	E12	4469	04	21.1	17	SN	C 2.8		C	0611	150	1.6	E	
	FEKG	20 0615E	0615E	0634	S14	E13	4469	04	21.2	19D	1N		P	0615	210	2.2	E		
0230	20	0608	0610*	0650	N04	W63	4471	04	15.5	42	SN					23		FK	
	LEAR	20 0608	0610	0650	N04	W63	4471	04	15.5	42	SF	3	C			23		K	
	LEAR	20 0608	0640	0650	N04	W63	4471	04	15.5	42	SN	3	C			23		FK	
0231	MITK	20 0719	0725	0735D	S10	E90	4474	04	27.1	16D	1N		C	0725		130		A	
0232	20	07393	07437	0758	N04	W66	4471	04	15.4	19	SN					18	.4	FT	
	HTPR	20 0739E		0757D	N04	W67	4471	04	15.3	18D	SF		C	0753		20	.4	T	
	KANZ	20 0739	0743	0759	N04	W64	4471	04	15.5	20	SN	2							
	LEAR	20 0742	0750	0757	N03	W67	4471	04	15.3	15	SN	3	C			15		F	
0233	20	08512	08581	0906	N04	W66	4471	04	15.4	15	SN	C 3.7				31			
	KANZ	20 0851	0858	0906	N05	W65	4471	04	15.5	15	SN		2						
	LEAR	20 0853	0859	0905	N04	W66	4471	04	15.4	12	SN	C 3.7	3	C		31			
0234	URUM	20 0936	0945	1008	N04	W70	4471	04	15.2	32	SN		C			39			
0235	RAMY	20 1046E		1228D	N03	W68	4471	04	15.4	102D	1F	C 8.2	3	C					
0236	KANZ	20 1103	1106	1122	S11	E84		04	26.8	19	SN		2					G	
0237	20	13114	13155	1338	S18	E04	4469	04	20.8	27	SN					60	.6	E	
	HTPR	20 1311	1320	1330	S18	E05	4469	04	20.9	19	SF		C	1320		60	.6	C	
	KANZ	20 1315	1315	1346	S17	E03	4469	04	20.8	31	SN		2						
0238	20	1313	1315*	1350	N04	W70	4471	04	15.3	37	SF					50	1.2	EK	
	HTPR	20 1313	1315	1350	N04	W70	4471	04	15.3	37	SF		C	1315		50	1.2	EK	
	HTPR	20 1313	1337	1350	N04	W70	4471	04	15.3	37	SF		C	1315		50	1.2	EK	
0239	HTPR	20 1400	1405	1428	S17	E04	4469	04	20.9	28	SN		C	1405		30	.3	E	
0240	HTPR	20 1418	1422	1435	N04	W70	4471	04	15.4	17	SN		C	1422		20	.4		
0241	20	16357	1653	1715	S14	E88	4474	04	27.3	40	SN	M 1.8				14			
	RAMY	20 1635	1653	1715	S14	E90	4474	04	27.5	40	SF	M 1.8	3	C		14			
	KANZ	20 1642	1646U	1650D	S15	E85	4474	04	27.1	8D	SN		2						
0242	RAMY	20 1804	1806	1820	S19	W03	4469	04	20.5	16	SF		3	C		43			
		20 1851		1900	No Flare Patrol														
0243	20	1904	1907*	2053	N15	W55	4468	04	16.6	109	SN					115		K	
	RAMY	20 1904	1907	2053	N15	W55	4468	04	16.6	109	SF		3	C		89		K	
	RAMY	20 1904	1940	2053	N15	W55	4468	04	16.6	109	SN		3	C		141		K	

H - ALPHA SOLAR FLARES

105
Apr 84

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement		Remarks	
																Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
		20	1911		1942			No Flare Patrol											
0244	RAMY	20	1940	1943	2100D	N03	W73	4471	04	15.4	80D	1B	M	5.7	3	C	170		
		20	1946		2147			No Flare Patrol											
		20	2200		2237			No Flare Patrol											
0245		20	2333	2309*	2419	N04	W73	4471	04	15.5	46	1B	M	1.6			119	3.0	FK
	HOLL	20	2304E	2309	2428	N05	W73	4471	04	15.5	84D	1F			2	C	93		K
	HOLL	20	2304E	2334	2428	N05	W73	4471	04	15.5	84D	1B	M	1.6	2	C	190		FK
	LEAR	20	2333E		2418	N03	W74	4471	04	15.4	45D	1B	M	1.6	3	C	99		FK
	MANI	20	2333	2334	2403	N05	W73	4471	04	15.5	30	1B			1	V	95	3.0	
0246	HOLL	21	0101	0106	0120	N05	W74	4471	04	15.5	19	SF			2	C	34		
0247		21	0151*	0157*	0246	S08	E88	4474	04	27.7	55	1N	M	1.2			109		ADFKY
	CULG	21	0151	0204	0256	S05	E82	4474	04	27.2	65	1N				C	160		F
	LEAR	21	0157	0157	0158D	S11	E90	4474	04	27.8		1D	1F		3	C	46		
	MANI	21	0158	0203	0232	S10	E88	4474	04	27.7	34	SN			1	V			
	KODA	21	0158E	0205	0333D	S08	E90	4474	04	27.8	95D	1B				P	0205		A
	PEKG	21	0204	0207U	0243	S09	E90	4474	04	27.8	39	SN	M	1.2		P	0207	63	DY
	YUNN	21	0204E	0207U	0251	S06	E89	4474	04	27.7	47D		M	1.2		P	0207		A
	PEKG	21	0231E	0231	0231D	S05	E90	4474	04	27.8	47D	1N				P	0231	168	DKY
	YUNN	21	0243	0255	C322D	S07	E89	4474	04	27.8	39D					P			A
0248		21	0212	02075	0216	N04	W76	4471	04	15.4	4	SN					70		EF
	PEKG	21	0206E	0207	0215	N04	W78	4471	04	15.2	9D	SN				P	0207	126	E
	LEAR	21	0212	0212	0217	N05	W73	4471	04	15.6	5	SN			3	C	13		F
0249		21	02358	0245*	0316	N04	W77	4471	04	15.3	41	1B	M	1.5			192		ACEK
	PEKG	21	0235	0245	0320	N04	W79	4471	04	15.2	45	2N				C	0245	320	E
	LEAR	21	0235	0245	0326	N04	W75	4471	04	15.5	51	SB			3	C	81		K
	LEAR	21	0235	0255	0326	N04	W75	4471	04	15.5	51	1B	M	1.5	3	C	112		K
	CULG	21	0243	0246	0304	N02	W75	4471	04	15.5	21	1F				C	0246	70	
	YUNN	21	0255E	0255	0305	N04	W80	4471	04	15.1	10D	3B	M	1.5		P	380		A
	KODA	21	0300E	0300	0422D	N05	W78	4471	04	15.3	82D	SB				P	0300		CE
0250	LEAR	21	0523	0525	0530	N11	W64	4468	04	16.4	7	SF			3	C	27		
0251		21	0712	07143	0725	N05	W81	4471	04	15.2	13	SN					51		D
	LEAR	21	0712	0714	0722	N05	W81	4471	04	15.2	10	SN			3	C	30		
	BUCA	21	0712	0714	0725	N05	W83	4471	04	15.1	13	SN				C	0714	43	D
	URUM	21	0712	0717	0727	N05	W78	4471	04	15.5	15	1B				C	79		
0252		21	07273	07284	0745	S14	E84	4474	04	27.6	18	1B	M	1.2			121		A
	BUCA	21	0727	0728	0737	S13	E80	4474	04	27.3	10	1B	M	1.2		C	0728	107	
	URUM	21	0728	0732	0801	S14	E89	4474	04	28.0	33	1N				C	157		A
	LEAR	21	0730	0730	0738	S14	E83	4474	04	27.6	8	1B	M	1.2	3	C	99		
0253	LEAR	21	0820	0825	0828	N03	W80	4471	04	15.4	8	SN			3	C	23		
		21	0934		1056			No Flare Patrol											
		21	1136		1245			No Flare Patrol											
0254	HOLL	21	1255	1258	1316	N04	W82	4471	04	15.4	21	SN			2	C	27		
0255	RAMY	21	1319	1322	1330	N04	W79	4471	04	15.6	11	SF			4	C	16		
0256		21	14203	1323*	1507	S09	E78	4474	04	27.4	47	1N	M	1.4			131		EFKZ
	RAMY	21	1318E	1323	1414	S10	E82	4474	04	27.7	56D	SF			4	C	68		
	KANZ	21	1411E		1411	S09	E76	4474	04	27.3	56D	SF			1				
	RAMY	21	1420	1432	1530	S09	E76	4474	04	27.3	70	SF			4	C	28		K
	RAMY	21	1420	1458	1530	S09	E76	4474	04	27.3	70	2B	M	1.4	4	C	262		FEK
	HOLL	21	1421	1431	1529	S10	E79	4474	04	27.5	68	SF			3	C	28		K
	HOLL	21	1421	1457	1529	S10	E79	4474	04	27.5	68	2B	M	1.4	3	C	269		ZFK
	KANZ	21	1423	1458	1528	S08	E79	4474	04	27.5	65	1B			1				
0257	HOLL	21	1504	1504	1529	N05	W81	4471	04	15.6	25	SF			3	C	12		

106
Apr 84

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement		Remarks	
																Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
0258		21	1537	1553	1606	S09	E77	4474	04	27.4	29	SB	C 6.5				33		
	RAMY	21	1537	1553	1607	S09	E82	4474	04	27.8	30	SN	C 6.5	3	C		33		
	KANZ	21	1543E	1553	1606	S09	E72	4474	04	27.0	230	SB		1					
0259	RAMY	21	1606	1615	1631	N04	W82	4471	04	15.5	25	SF		3	C		16		
0260		21	16162	16191	1624	S10	E82	4474	04	27.8	8	SF					18		
	RAMY	21	1616	1620	1625	S10	E82	4474	04	27.8	9	SF		3	C		20		
	HOLL	21	1618	1619	1623	S11	E82	4474	04	27.8	5	SF		3	C		15		
0261		21	16546	1706*	1722	S11	E81	4474	04	27.8	28	SN	C 6.6				44	FK	
	RAMY	21	1654	1720	1723	S11	E82	4474	04	27.9	29	SN	C 6.6	3	C		54		
	HOLL	21	1700	1706	1722	S11	E81	4474	04	27.8	22	SF		3	C		23	K	
	HOLL	21	1700	1720	1722	S11	E81	4474	04	27.8	22	SN	C 6.6	3	C		54	FK	
0262	HOLL	21	1731	1735	1742	N05	W82	4471	04	15.6	11	SF		3	C		18		
0263		21	18051	1806*	1823	N04	W81	4471	04	15.7	18	SF					19	K	
	RAMY	21	1805	1811	1825	N03	W80	4471	04	15.8	20	SF		3	C		30	K	
	RAMY	21	1805	1824	1825	N03	W80	4471	04	15.8	20	SF		3	C		13	K	
	HOLL	21	1806	1806	1819	N05	W83	4471	04	15.5	13	SF		3	C		14		
0264	RAMY	21	1807	1808	1817	S10	E81	4474	04	27.8	10	SF		3	C		16		
0265	HOLL	21	1845	1846	1852	N06	W82	4471	04	15.6	7	SF		3	C		22		
0266	HOLL	21	1929	1935	1939	N06	W83	4471	04	15.6	10	SF		3	C		19		
0267		21	1945	1946	1948	S10	E84	4474	04	28.1	3	SN					10		
	HOLL	21	1945	1946	1949	S10	E81	4474	04	27.9	4	SF		3	C		10		
	RAMY	21	1946E		1948	S11	E87	4474	04	28.4	20	SN		3	C		10		
0268	RAMY	21	1958	2110	2119	N04	W83	4471	04	15.6	81	SF		3	C		12		
0269		21	2002	20032	2012	S11	E79	4474	04	27.8	10	SF					16	F	
	RAMY	21	2002E	2003	2012	S11	E77	4474	04	27.6	100	SF		3	C		13		
	HOLL	21	2002	2005	2012	S11	E81	4474	04	27.9	10	SF		3	C		20	F	
0270		21	23221	23232	2328	S12	E78	4474	04	27.8	6	SF					18	1.0	
	HOLL	21	2322	2323	2329	S11	E78	4474	04	27.8	7	SF		3	C		11		
	MANI	21	2323	2325	2328	S12	E77	4474	04	27.8	5	SF		1	V		24	1.0	
0271		22	0013	00151	0019	N04	W86	4471	04	15.6	6	IB					18	2.6	
	MANI	22	0013	0015	0027D	N05	W87	4471	04	15.5	140	IN		1	V		15	2.6	
	LEAR	22	0013	0016	0019	N03	W84	4471	04	15.7	6	SB		3	C		22		
0272		22	00283	00312	0038	S10	E78	4474	04	27.9	10	SF					43		
	LEAR	22	0028	0033	0038	S11	E74	4474	04	27.6	10	SF		3	C		52		
	HOLL	22	0031	0031	0038	S10	E81	4474	04	28.1	7	SF		3	C		34		
0273	LEAR	22	0106	0119	0132	S10	E75	4474	04	27.7	26	SN		3	C		30	F	
0274	LEAR	22	0208	0210	0222	S10	E79	4474	04	28.0	14	SF		3	C		20	F	
0275		22	02427	02495	0314	S10	E26	4472	04	24.1	32	IN					220	2.8	EFKU
	URUM	22	0242	0251	0316	S08	E25	4472	04	24.0	34	SN					94	1.1	
	PURP	22	0244E	0247U	0247D	S11	E26	4472	04	24.1	30	SN			P	0247	117	1.3	
	YUNN	22	0247	0249	0307	S10	E27	4472	04	24.1	20	IB			C		380	4.4	F
	LEAR	22	0247	0249	0320	S10	E26	4472	04	24.1	33	SN		3	C		154		K
	LEAR	22	0247	0254	0320	S10	E26	4472	04	24.1	33	IN		3	C		199		FK
	PEKG	22	0249	0251	0306	S10	E27	4472	04	24.1	17	IN			C	0251	378	4.4	EU
0276	LEAR	22	0355	0356	0359	S10	E84	4474	04	28.5	4	SF	C 4.4	3	C		13		
0277		22	04205	04292	0458	N13	W76	4468	04	16.4	38	2B	C 5.6				329		F
	PEKG	22	0420	0429	0456	N14	W79	4468	04	16.2	36	3N	C 5.6		C	0429	449		F
	CULG	22	0424	0430	0447D	N12	W73	4468	04	16.7	230	2B			P	0430	250		
	LEAR	22	0425	0431	0459	N14	W75	4458	04	16.5	34	2B	C 5.6	3	C		288		F

H - ALPHA SOLAR FLARES

107
Apr 84

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Area Measurement			Remarks		
								USAF Region					Mo	Day	(Min)		Opt	Xray
0278	LEAR	22	0502	0507	0514	S10	E72	4474	04	27.6	12	SF	3	C		30		
0279	LEAR	22	0518	0525	0535	N10	W76	4468	04	16.5	17	SF	2	C		20		
0280	LEAR	22	0551	0559	0611	S11	E74	4474	04	27.8	20	SF	3	C		24		
0281		22	06476	06544	0710	S09	E22	4472	04	23.9	23	SN C 3.9				108	1.3	EF
	PJRP	22	0647	0656	0713	S11	E22	4472	04	23.9	26	SN C 3.9		C	0656	124	1.4	
	LEAR	22	0652	0654	0712	S10	E23	4472	04	24.0	20	SN C 3.9	3	C		87		F
	CULG	22	0652	0655	0702	S08	E22	4472	04	23.9	10	SF		C	0655	70	.8	
	URUM	22	0652	0657	07020	S09	E21	4472	04	23.9	100	SB		P		94	1.0	
PEKG	22	0653	0658	0714	S09	E23	4472	04	24.0	21	SN C 3.9		P	0658	168	1.9	E	
0282		22	0704	07128	0726	S12	E83	4474	04	28.5	22	SN				24		FK
	LEAR	22	0704	0712	0726	S12	E83	4474	04	28.5	22	SF	3	C		23		K
	LEAR	22	0704	0720	0726	S12	E83	4474	04	28.5	22	SN	3	C		26		FK
0283		22	0727*	07385	0807	S10	E76	4474	04	28.0	40	SN				83		E
	LEAR	22	0727	0738	0814	S11	E75	4474	04	27.9	47	SN	3	C		48		
	PEKG	22	0738	0743	0800	S10	E78	4474	04	28.2	22	SN		C	0743	118		E
0284	LEAR	22	0836	0839	0847	S11	E83	4474	04	28.6	11	SN	3	C		18		
0285	LEAR	22	0852	0855	0901	S14	W23	4469	04	20.6	9	SF	3	C		29		
0286	LEAR	22	0919	0921	09230	S11	E69	4474	04	27.6	40	SF	3	C		15		
		22	0924		1042	No Flare Patrol												
0287	RAMY	22	1041	1052	1055	S11	E82	4474	04	28.6	14	SF	3	C		15		
		22	1102		1103	No Flare Patrol												
0288		22	1302	1132	1145	S10	E69	4474	04	27.7	15	SB C 4.4				44		F
	RAMY	22	1130	1132	1145	S10	E72	4474	04	27.9	15	SN C 4.4	4	C		44		F
	KANZ	22	1132	1132	11360	S09	E66	4474	04	27.4	40	SB	1					
0289		22	12291	12303	1238	S08	E78	4474	04	28.4	9	1N				87		D
	ABST	22	1229	1233	12350	S08	E86	4474	04	29.0	60	1N		P	1233	87		D
	KANZ	22	1230	1230	1238	S09	E70	4474	04	27.8	8	SF	2					
0290		22	1311*	1311*	1345	S10	E63	4474	04	27.3	34	SN C 2.6				61		EF
	KANZ	22	1311	1311	1321	S13	E60	4474	04	27.1	10	SF	2					
	KANZ	22	1325	1329U	1329D	S07	E62	4474	04	27.2	40	SF	2					
	RAMY	22	1325	1332	1338	S11	E70	4474	04	27.8	13	SF C 2.6	4	C		15		
	HOLL	22	1341	1344	1355	S11	E65	4474	04	27.5	14	SB C 3.5	2	C		75		F
	RAMY	22	1341	1344	1356	S09	E63	4474	04	27.3	15	SB C 3.5	4	C		93		FE
	KANZ	22	1344	1344	1356	S08	E60	4474	04	27.1	12	SB	2					
0291		22	14001	1402	1417	N06	W89	4471	04	15.9	17	SN C 4.6				30		
	RAMY	22	1400	1402	1417	N05	W89	4471	04	15.9	17	SN C 4.6	4	C		19		
	HOLL	22	1401	1402	1417	N07	W89	4471	04	15.9	16	SN C 4.6	3	C		40		
0292	KANZ	22	1404	1404	1415	N06	W79	4468	04	16.7	11	SN	2					
0293		22	1748	17481	1757	S15	E62	4474	04	27.4	9	SN				31		Z
	HOLL	22	1748	1748	1753	S15	E62	4474	04	27.4	5	SN	3	C		28		
	RAMY	22	1748	1749	1801	S15	E63	4474	04	27.5	13	SN	3	C		34		Z
		22	1852		1914	No Flare Patrol												
		22	1935		1947	No Flare Patrol												
		22	1951		1955	No Flare Patrol												
		22	2005		2032	No Flare Patrol												
0294		22	2214*	2214*	2303	S10	E72	4474	04	28.3	49	1N M 3.4				207	4.6	EFKV
	CULG	22	2214	2214	2239	S08	E64	4474	04	27.7	25	1N		P	2214	110	2.2	V
	HOLL	22	2214	2216	2325D	S12	E77	4474	04	28.7	71D	2B M 3.4	3	C		309		FEK
	HOLL	22	2214	2255	2325D	S12	E77	4474	04	28.7	71D	1B	3	C		216		K
	MITK	22	2215E		2310	S09	E63	4474	04	27.6	59D	2N		C	2222	290	6.9	F
	MITK	22	2250	2256	2321	S10	E78	4474	04	28.8	31	1N		C	2256	110		E

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	X-ray	Obs See	Time (UT)	Area Measurement		Remarks
					Region	Lat CMD							Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0295		23 0034*	0127*	0230	S11 E66	4474	04 28.0	116	1N	M 3.2			185	3.6	FHKT
	HOLL	23 0034	0055U	0125D	S14 E74	4474	04 28.5	51D	SN		3	C	78		F
	LEAR	23 0116	0127	0311	S11 E64	4474	04 27.9	115	1B		3	C	163		K
	LEAR	23 0116	0200	0311	S11 E54	4474	04 27.9	115	2B	M 3.2	3	C	342		K
	YUNN	23 0123	0127	0141	S11 E68	4474	04 28.2	18	2N			P	346		T
	MITK	23 0123	0127	0143	S09 E67	4474	04 28.1	20	1N			C	140	3.3	
	CULG	23 0124	0127	0132	S08 E64	4474	04 27.8	8	SN			C	80	1.7	
	MANI	23 0125E	0130	0130D	S13 E64	4474	04 27.9	5D	SN		1	V	98	2.1	
	MITK	23 0151	0153	0311	S10 E64	4474	04 27.9	80	1N			C	120	2.6	
	CULG	23 0151	0156	0234	S07 E63	4474	04 27.8	43	1N			P	180	3.8	
	YUNN	23 0153	0150	0240	S11 E65	4474	04 28.0	47	2B	M 3.2		C	393	9.3	FT
	MANI	23 0201E	0208	0212	S13 E64	4474	04 27.9	11D	1N		1	V	108	2.3	
	PURP	23 0212E	0228	0310	S12 E70	4474	04 28.4	58D	1B			C	172		H
0296	YUNN	23 0120	0122	0134	S09 E87		04 29.6	14	SN			C	24		DW
0297		23 0136	0201*	0340D	S12 E89		04 29.8	124D							AK
	YUNN	23 0136	0201		S13 E89		04 29.8					C			AK
	YUNN	23 0242E	0242	0340D	S11 E89		04 29.8	58D				P			AK
0298	PEKG	23 0327	0329	0342	S13 E73	4474	04 28.6	15	SF			C	0329	55	D
0299		23 05071	0515*	0623	S10 E62	4474	04 27.9	76	1B	M 1.8			178	3.2	FKS
	LEAR	23 0507	0515	0629	S11 E62	4474	04 27.9	82	1B	M 1.8	3	C	193		FSK
	LEAR	23 0507	0529	0629	S11 E62	4474	04 27.9	82	1B		3	C	214		K
	MITK	23 0508	0516	0610	S10 E63	4474	04 27.9	62	1N			C	110	2.3	
	CATA	23 0530E	0530	0625	S09 E60	4474	04 27.7	55D	1			P	0530	197	4.0
0300		23 07046	07102	0736	S15 W35	4469	04 20.6	32	SN				88	1.1	FG
	LEAR	23 0704	0712	0736	S16 W36	4469	04 20.6	32	SN		3	C	93		F
	CATA	23 0705	0710	0735	S17 W36	4469	04 20.5	30	S		2	C	0710	112	1.4
	BUCA	23 0710	0711	0730	S14 W35	4469	04 20.6	20	SN			C	0711	64	.8
	WEND	23 0712E		0754	S17 W36	4469	04 20.6	42D	SN			C	0713	81	1.1
	KANZ	23 0716E		0727	S14 W35	4469	04 20.6	11D	SN		1				G
0301		23 0922	09221	0926	S13 E52	4474	04 27.3	4	SN				79	1.4	D
	ABST	23 0919E	0925	0927D	S13 E55	4474	04 27.5	8D	SF			P	0923	79	1.4
	KANZ	23 0922	0922	0926	S13 E49	4474	04 27.1	4	SN		2				D
0302	RAMY	23 1107	1136	1262	S07 E65	4474	04 28.3	55	SF		3	C		32	
0303	RAMY	23 1234	1235	1309	S07 E65	4474	04 28.4	35	SF	C 2.8	3	C		49	F
0304	RAMY	23 1317	1324	1336	S11 E55	4474	04 27.7	19	SF		3	C		24	
0305		23 1337*	1340*	1419	S08 E51	4474	04 27.4	42	SN	C 3.3			102		FKS
	RAMY	23 1337	1340	1424	S07 E51	4474	04 27.4	47	SN		3	C	43		K
	RAMY	23 1337	1355	1424	S07 E51	4474	04 27.4	47	1N	C 3.3	3	C	234		SK
	HOLL	23 1353	1359	1409	S09 E50	4474	04 27.3	16	SN	C 3.3	4	C	28		F
0306	HOLL	23 1429	1432	1436	S09 E65	4474	04 28.5	7	SF		4	C		15	
0307		23 1603*	1607*	1612	S10 E61	4474	04 28.2	9	1N				77		FU
	RAMY	23 1603	1608	1613	S07 E65	4474	04 28.5	10	SF		3	C	34		
	HOLL	23 1607	1607	1612	S12 E54	4474	04 27.7	5	SF		4	C	16		F
	RAMY	23 1618		1634D	S10 E63	4474	04 28.4	16D	1B		3	C			
	HOLL	23 1621	1632	1635D	S10 E63	4474	04 28.4	14D	1B		3	C	181		UF
0308		23 20069	20069	2018	S12 E54	4474	04 27.9	12	SN				18		F
	HOLL	23 2006	2006	2010	S12 E54	4474	04 27.9	4	SN		3	C	17		F
	HOLL	23 2015	2015	2025	S12 E54	4474	04 27.9	10	SF		3	C	18		F
0309	HOLL	23 2029	2033	2041	S12 E56	4474	04 28.1	12	SN		3	C		26	F
0310	HOLL	23 2136	2136	2143	S12 E54	4474	04 28.0	7	SF		3	C		16	
0311		23 2153*	2157*	2254	S10 E52	4474	04 27.8	61	1N	C 7.7			135	1.6	EKU
	HOLL	23 2153	2159	2333	S11 E54	4474	04 28.0	100	SB		3	C	114		K
	HOLL	23 2153	2218	2333	S11 E54	4474	04 28.0	100	1B	C 7.7	3	C	208		UEK
	CULG	23 2154	2157	2205	S08 E51	4474	04 27.7	11	SN			C	2157	70	1.1
	CULG	23 2216	2219	2226	S09 E49	4474	04 27.6	10	1F			C	2219	149	2.1

H - ALPHA SOLAR FLARES

109
Apr 84

APRIL 1984

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)				
0312	HOLL	23	2345	2417	2425	S10	E59	4474	04	28.4	40	SN						34			F	
0313	LEAR	24	0128	0135	0143	S13	E55	4474	04	28.2	15	SN						70			F	
0314	LEAR	24	0132	0135	0142	S18	W41	4469	04	20.9	10	SF						30				
0315	LEAR	24	0143	0145*	0209	S18	W41	4469	04	20.9	26	SF						54			K	
	LEAR	24	0143	0145	0209	S18	W41	4469	04	20.9	26	SF						65			K	
	LEAR	24	0143	0155	0209	S18	W41	4469	04	20.9	26	SF						44			K	
0316	LEAR	24	0144	0153	0232	S13	E55	4474	04	28.2	48	SF						66			F	
0317	LEAR	24	0259*	0352*	0511	S08	E56	4474	04	28.3	132	2N X 1.0						503	7.0		BEFIJU	
	LEAR	24	0259	0420	0524	S10	E57	4474	04	28.4	145	2B X 1.0	3					446			F	
	MITK	24	0331	0406	0519	S08	E57	4474	04	28.4	108	1N					0406	220	4.1		IU	
	CULG	24	0332	0352	0451	S07	E55	4474	04	28.3	79	1N					0352	210	3.5		JF	
	KODA	24	0346E	0355	0444D	S10	E56	4474	04	28.4	58D	3N					0347	1342	15.0		BE	
	URUM	24	0350E	0400U	0405D	S08	E57	4474	04	28.4	15D	2N						299	5.6			
0318	HTPR	24	0602	0604	0620	S16	E45	4474	04	27.7	18	SF						0604	20	.3		
0319	LEAR	24	0740	0740	0754	S17	W46	4469	04	20.8	14	SB C 3.5	3					66		1.3	EK	
	ATHN	24	0740E	0742	0745	S17	W45	4469	04	20.9	5D	SB C 3.5	3				0742	64	.9		K	
	LEAR	24	0740	0743	0754	S17	W46	4469	04	20.8	14	SB	3					34			K	
	BUCA	24	0740E	0743	0758	S15	W43	4469	04	21.1	18D	SN C 3.5	3				0743	64	.9		E	
	CATA	24	0740	0745	0750D	S17	W44	4469	04	21.0	10D	1 C 3.5	2				0745	140	2.0			
	GJ20	LEAR	24	0841*	0849	0859	S13	E46	4474	04	27.8	18	SF						36	.6		E
0321	BUCA	24	0841		0904	S12	E42	4474	04	27.5	23	SF					0845	64	.9		E	
	HTPR	24	0845	0849	0852	S14	E41	4474	04	27.5	7	SF					0849	40	.5			
	HTPR	24	0851	0856	0902	S14	E51	4474	04	28.2	11	SF					0856	20	.3		E	
	LEAR	24	0853	0853	0858	S13	E50	4474	04	28.1	5	SN	3					20			E	
	KANZ	24	0854	0854	0858	S12	E47	4474	04	27.9	4	SN	2									
	HTPR	24	1015	1016	1019	S09	E61	4474	04	29.0	4	SF						1016	20	.4		
0322	HTPR	24	1026	1028	1035	S12	E51	4474	04	28.3	9	SF						1028	20	.3		
0323	HTPR	24	1158	1203	1215	S09	E50	4474	04	28.2	17	SN						1203	30	.5		E
0324	HTPR	24	1235	1245	1315	S10	E48	4474	04	28.1	40	SF						1245	10	.1		
0325	HTPR	24	1437*	1439*	1522	S10	E52	4474	04	28.5	45	SF C 2.1						33	.4		EF	
	HOLL	24	1437	1440	1451	S09	E48	4474	04	28.2	14	SN					1440	20	.3		E	
	HOLL	24	1439	1439	1457	S11	E52	4474	04	28.5	18	SF C 2.1	3					31			F	
	HTPR	24	1450	1453	1530	S12	E59	4474	04	29.1	40	SF					1453	20	.4			
	HOLL	24	1527	1528	1551	S11	E52	4474	04	28.5	24	SN C 2.2	3					53			F	
	RAMY	24	1527	1530	1543	S08	E51	4474	04	28.5	16	SF C 2.2	3					43			F	
0326	LEAR	24	16149	16241	1629	S11	E58	4474	04	29.0	15	SN						70				
	HOLL	24	1614	1625	1630	S12	E57	4474	04	29.0	16	SN						81				
	RAMY	24	1623	1624	1628	S10	E59	4474	04	29.1	5	SF						59				
0327	LEAR	24	16412	1644	1648	S10	E58	4474	04	29.0	7	SN						43			FH	
	HOLL	24	1641	1645U	1650D	S11	E58	4474	04	29.0	9D	SN						50			F	
	RAMY	24	1643	1644	1648	S10	E59	4474	04	29.1	5	SN						36			H	
0328	RAMY	24	1657	1658	1704	S10	E53	4474	04	28.7	7							41				
0329	LEAR	24	1723	17274	1740	S13	E43	4474	04	28.0	17	1B						218			EFK	
	RAMY	24	1723	1727	1740	S13	E43	4474	04	28.0	17	1B						176			FEK	
	RAMY	24	1723	1731	1740	S13	E43	4474	04	28.0	17	1B						260			K	
0330	LEAR	24	1741*	1745*	1758	S10	E53	4474	04	28.7	17	SB						90				
	RAMY	24	1741	1745	1758	S09	E50	4474	04	28.5	17	SN						71				
	RAMY	24	1758	1805	1807D	S10	E58	4474	04	29.1	9D	SB						99				
	HOLL	24	1805	1805	1808D	S10	E51	4474	04	28.6	3D	SB						99				

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
							Region	Class								Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0331		24	19071	19072	1920	S10	E49	4474	04	28.5	13	SN				43		
	RAMY	24	1907	1907	1919	S09	E49	4474	04	28.5	12	SN	3	C		50		
	HOLL	24	1908	1909	1920	S10	E49	4474	04	28.5	12	SF	3	C		36		
0332		24	20152	20201	2030	S10	E56	4474	04	29.0	15	SB M 1.1				148		EF
	HOLL	24	2015	2020	2030	S11	E56	4474	04	29.0	15	SB M 1.1	3	C		140		FE
	RAMY	24	2017	2021	2030	S10	E56	4474	04	29.0	13	SB M 1.1	3	C		157		FE
0333		24	2058*	2101*	2119	S12	E46	4474	04	28.3	21	SN				35		FK
	RAMY	24	2058	2101	2111	S11	E47	4474	04	28.4	13	SN	3	C		38		F
	HOLL	24	2059	2105	2123	S11	E47	4474	04	28.4	24	SF	3	C		48		K
	HOLL	24	2059	2115	2123	S11	E47	4474	04	28.4	24	SN	3	C		27		FK
	RAMY	24	2113	2115	2118	S13	E44	4474	04	28.2	5	SN	3	C		28		F
0334		24	2126*	21431	2215	S12	E45	4474	04	28.3	49	1N C 4.8				170	2.7	EFIZ
	HOLL	24	2126	2144	2238	S12	E45	4474	04	28.3	72	SN C 4.8	3	C		143		F
	RAMY	24	2133	2144	2159D	S11	E45	4474	04	28.3	26D	1N C 4.8	3	C		187		ZF
	VORO	24	2141	2143	2152	S14	E44	4474	04	28.2	11	1F		C	2143	179	2.7	EF1
0335	HOLL	24	2241	2243	2302	S11	E46	4474	04	28.4	21	SN	3	C		35		F
0336		24	2356*	2401*	2602	S11	E45	4474	04	28.4	126	3B X13.0				1020	15.4	EFHIJKUV
	MANI	24	2355E	2407	2523	S12	E43	4474	04	28.2	88D	3B	1	V		1127	14.4	FE
	HOLL	24	2356	2401	2535D	S12	E43	4474	04	28.2	99D	3B X13.0	3	C		1281		ZK
	HOLL	24	2356	2443	2535D	S12	E43	4474	04	28.2	99D	3B	3	C		1146		K
	CULG	24	2357	2402	2615	S09	E45	4474	04	28.4	138	3B		C	2402	1500	21.0	VHZ
	LEAR	25	0007E	0008U	0243	S11	E43	4474	04	28.2	156D	3B X13.0	3	C		1196		ZU
	MITK	25	0015E		0230	S11	E46	4474	04	28.5	135D	3B		C	0015	1020	15.1	IUZ
	VORO	25	0023E	0049	0141	S11	E42	4474	04	28.2	78D	2F		C	0050	824	11.2	FHIJU
	LEAR	25	0128	0135	0143	S13	E55	4474	04	29.2	15	SN	3	C		70		F
	0337	HOLL	25	0057	0102	0105	S14	E68	4476	04	30.2	8	SF	3	C		34	
0338	LEAR	25	0132	0135	0142	S18	W41		04	21.9	10	SF	3	C		30		
0339	LEAR	25	0246	0248	0253	S10	E43	4474	04	28.3	7	SN	3	C		26		F
0340	ATHN	25	0600E	0603	0613	S13	E50	4474	04	29.0	13D	SN C 3.6	1	V	0603	6	1.0	
0341		25	0844	08432	0848	S10	E48	4474	04	29.0	4	SN				78	1.2	CDI
	KHAR	25	0840E	0843	0854D	S11	E48	4474	04	29.0	14D	SN		P	0843	100	1.5	CDI
	CATA	25	0840E	0845	0850D	S10	E49	4474	04	29.0	10D	S	2	P	0845	56	.9	
	KANZ	25	0844	0844	0848	S08	E46	4474	04	28.8	4	SN			2			
0342		25	0930I	0935	0943	S12	E34	4474	04	27.9	13	SN				62	.8	CDEI
	CATA	25	0930	0935	0940	S12	E34	4474	04	27.9	10	S	2	C	0935	84	1.0	
	HTPR	25	0931	0935	0946	S10	E33	4474	04	27.9	15	SN		C	0935	40	.5	E
	KHAR	25	0936E		0939D	S13	E34	4474	04	28.0	3D	SF		V	0936			CDI
0343		25	0955	1000	1020	S17	W60	4469	04	20.8	25	SF				43	.8	
	HTPR	25	0955		0959D	S18	W60	4469	04	20.8	4D	SF		C	0956	30	.6	
	CATA	25	0955	1000	1020	S16	W59	4469	04	20.9	25	S	2	C	1000	56	1.1	
0344		25	1100*	1100	1115	S12	E36	4474	04	28.2	15	SF				41	.5	CDI
	HTPR	25	1059E		1100D	S14	E28	4474	04	27.6	1D	SF		C	1100	20	.2	
	CATA	25	1100	1100	1115	S14	E27	4474	04	27.5	15	S	2	C	1100	84	1.0	
	KHAR	25	1114E		1133D	S11	E48	4474	04	29.1	19D	SF		V	1115			CDI
	HTPR	25	1115		1120D	S10	E42	4474	04	28.6	5D	SF		C	1118	20	.3	
0345		25	1227	12301	1236	S10	E40	4474	04	28.5	9	SN C 2.8				47		F
	RAMY	25	1227	1230	1238	S11	E36	4474	04	28.2	11	SN C 2.8	3	C		47		F
	KANZ	25	1227	1231	1235	S09	E44	4474	04	28.8	8	SF			2			
0346		25	14051	1406	1415	S09	E46	4474	04	29.0	10	SN C 3.9				51		F
	KANZ	25	1405		1405D	S08	E45	4474	04	29.0	10D	SB		1				
	RAMY	25	1405	1406	1414	S09	E46	4474	04	29.0	9	SN C 3.9	3	C		59		F
	HOLL	25	1406	1406	1416	S11	E47	4474	04	29.1	10	SN C 3.9	3	C		43		F

H - ALPHA SOLAR FLARES

111
Apr 84

APRIL 1984

Grp #	Sta Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Area Measurement			Remarks		
							USAF					Region	Mo Day	Time (UT)		Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)
0347	25	14572	15011	1510	S10	E42	4474	04	28.8	13	SB M 1.7			78		EF	
	HOLL	25	1457	1458U	1458D	S12	E35 4474	04	28.2	1D	SB	3	C	50			
	HOLL	25	1457	1501	1504D	S11	E45 4474	04	29.0	7D	SB M 1.7	3	C	101		FE	
	RAMY	25	1458	1501	1512	S10	E45 4474	04	29.0	14	SB M 1.7	3	C	84		F	
KANZ	25	1459	1502	1509	S08	E42 4474	04	28.8	10	SB			2				
0348	HOLL	25	1524	1525	1529	S12	E66 4476	04	30.6	5	SF			3	C	16	
0349	25	1743	17552	1838	S14	E26 4474	04	27.7	55	1B C 7.1				174		F	
	HOLL	25	1743	1755	1845	S15	E27 4474	04	27.8	62	SB C 7.1	3	C	160		F	
	RAMY	25	1749E	1757	1830	S14	E26 4474	04	27.7	41D	1B C 7.1	3	C	189		F	
0350	HOLL	25	1920	1923	1947	S12	E27 4474	04	27.8	27	SN C 4.1	3	C	121		F	
		25	1955		2134	No Flare Patrol											
0351	26	00111	0015	0022	S18	W68 4469	04	20.8	11	SN				64		F	
	CULG	26	0011	0015	0021	S19	W67 4469	04	20.9	10	SF		C	0015	80		
	LEAR	26	0012	0015	0023	S17	W69 4469	04	20.8	11	SB	3	C	47		F	
0352	26	0040	00462	0102	S10	E40 4474	04	29.0	22	1B C 9.3				130	2.2	FU	
	L'AR	26	0040	0046	0106	S09	E39 4474	04	28.9	26	SB C 9.3	3	C	103		UF	
	PURP	26	0040E	0048	0057	S12	E41 4474	04	29.1	17D	1B C 9.3		C	0048	158	2.2	
0353	26	01181	01183	0126	S13	E30 4474	04	28.3	8	SB C 2.1				41	.4	F	
	LEAR	26	0118	0118	0124	S13	E29 4474	04	28.2	6	SB C 2.1	3	C	47		F	
	MANI	26	0119	0121	0127	S13	E30 4474	04	28.3	8	SN	1	V	35	.4		
0354	26	0212	0217	0230	S12	E29 4474	04	28.3	18	SN				47	.6	ET	
	YUNN	26	0212	0217	0233	S16	E20 4474	04	27.6	21	SN		P	63	.7	ET	
	YUNN	26	0222E	0222U	0226	S09	E38 4474	04	28.9	4D	SN		P	0222	31	.4	ET
0355	LEAR	26	0331	0340	0405	S17	W71 4469	04	20.7	34	SF			3	C	41	
0356	LEAR	26	0429	0430	0434	S14	E18 4474	04	27.5	5	SN			3	C	29	
0357	26	0452*	0506*	0555	S12	E36 4474	04	28.9	63	SN C 5.1				92	1.3	DEFIKTZ	
	PURP	26	0452	0513	0531	S15	E37 4474	04	29.0	39	SN C 5.1		C	0513	68	.9	
	LEAR	26	0459	0506	0553	S13	E36 4474	04	28.9	54	SB C 5.1	3	C	66		ZFK	
	LEAR	26	0459	0533	0553	S13	E36 4474	04	28.9	54	SB	3	C	68		K	
	ABST	26	0500E	0506	0524D	S13	E35 4474	04	28.8	24D	SN		P	0506	87	1.1	DKZ
	PURP	26	0543	0543	0558	S11	E39 4474	04	29.2	15	SN		C	0543	128	1.7	
	HTPR	26	0548E		0622	S10	E32 4474	04	28.6	34D	SN		C	0551	100	1.1	EIK
	YUNN	26	0548E	0552U	0559D	S11	E35 4474	04	28.9	11D	SN		P	0552	126	1.6	ET
	0358	26	0646*	0656*	0741	S09	E33 4474	04	28.7	55	1B M 1.8				222	2.7	EFl
HTPR		26	0646	0659	0750	S10	E34 4474	04	28.8	64	1B		C	0659	250	3.0	EFl
CULG		26	0653	0656	0707D	S06	E39 4474	04	29.2	14D	1B		P	0656	190	2.3	E
MITK		26	0654	0658	0729D	S09	E38 4474	04	29.1	35D	2B		C	0658	440	5.7	I
PURP		26	0655	0657	0710	S12	E39 4474	04	29.2	15	SB M 1.8		C	0657	124	1.7	
CATA		26	0655	0658	0720	S10	E37 4474	04	29.1	25	1 M 1.8	2	C	0658	309	4.0	
LEAR		26	0656	0656	0835	S11	E27 4474	04	28.3	99	1B C 5.7	3	C		273		FE
KANZ		26	0657	0657	0713	S08	E35 4474	04	28.9	16	1N		2				
PURP		26	0657	0703	0716	S11	E28 4474	04	28.4	19	SN C 5.7		C	0703	110	1.3	
CATA		26	0700	0710	0730	S09	E28 4474	04	28.4	30	S C 5.7	2	C	0710	84	1.0	
KANZ		26	0706	0710	0836	S06	E26 4474	04	28.2	90	SN		2				
0359		26	0648*	0657*	0753	S09	W31 4472	04	23.9	65	SN				136	1.7	EFK
		HTPR	26	0648	0658	0805	S10	W30 4472	04	24.0	77	SB		C	0730	120	1.4
	HTPR	26	0648	0730	0805	S10	W30 4472	04	24.0	77	SB		C	0730	120	1.4	EK
	LEAR	26	0653	0657	0712	S10	W31 4472	04	23.9	19	SF	3	C	45		F	
	WEND	26	0723	0733	0741D	S09	W31 4472	04	24.0	18D	SN		C	0733	125	1.5	
	LEAR	26	0724	0730	0802	S09	W32 4472	04	23.9	38	1B	3	C	212		F	
	CATA	26	0725	0730	0750D	S08	W32 4472	04	23.9	25D	1	2	P	0730	197	2.4	
	KANZ	26	0726	0729	0802	S08	W31 4472	04	24.0	36	1N		2				
0360	26	08533	09006	0940	S09	E32 4474	04	28.8	47	1N M 2.5				214	2.2	EIUZ	
	HTPR	26	0853		0914D	S10	E33 4474	04	28.8	21D	1B		C	0905	210	2.4	EIU
	LEAR	26	0853	0906	0924D	S09	E34 4474	04	28.9	31D	1B M 2.5	3	C	311		ZU	
	WEND	26	0854	0906	0930	S09	E34 4474	04	28.9	36	1N M 2.5		C	0906	213	2.7	
	KANZ	26	0856	0900	0924	S07	E32 4474	04	28.8	28	1B	2					
	HTPR	26	0918E		1005	S09	E30 4474	04	28.6	47D	SF		C	0921	120	1.4	EI

112
Apr 84

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks		
						Lat	CMD Re: ion								Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0361	HTPR	26	1024	1026	1052	S14	E15	4474	04	27.6	28	SN		C	1026	60	.6	E	
0362		26	1059	1252	1302	S11	E23	4474	04	28.2	1230	2B M 2.7				612		FKZ	
	RAMY	26	1059	1252	1302	S11	E23	4474	04	28.2	1230	2B	3	C		736		K	
	RAMY	26	1059	1253	1302	S11	E23	4474	04	28.2	1230	1B M 2.7	3	C		487		ZFK	
0363	HTPR	26	1150	1157	1210	S14	E14	4474	04	27.5	20	SN		C	1157	50	.5	E	
0364	HTPR	26	1217	1220	1236	S10	E28	4474	04	28.6	19	SF		C	1220	30	.3	E	
0365		26	1237	1238	1246	S09	W33	4472	04	24.0	9	SF				21			
	RAMY	26	1237	1238	1247	S10	W33	4472	04	24.0	10	SF	3	C		21			
	KANZ	26	1238	1238	1246	S08	W33	4472	04	24.0	8	SF	2						
0366		26	1240	1250*	1413	S13	E14	4474	04	27.6	93	1B				187	2.2	EFK	
	HTPR	26	1240	1250	1400	S14	E13	4474	04	27.5	80	1B		C	1250	220	2.2	E	
	HOLL	26	1245E	1252U	1419	S14	E14	4474	04	27.6	94D	SB	2	C		190		FEK	
	HOLL	26	1245E	1308	1419	S14	E14	4474	04	27.6	94D	SB	2	C		150		K	
	KANZ	26	1246	1250	1311D	S11	E16	4474	04	27.7	250	1B	2					F	
0367	HTPR	26	1446	1448	1452	S18	W78	4469	04	20.7	6	SF		C	1448	10			
0368		26	1532	1535	1552	S10	W34	4472	04	24.1	20	SF				44	.6	E	
	HTPR	26	1532	1535	1553	S10	W32	4472	04	24.2	21	SF		C	1535	50	.6	E	
	RAMY	26	1533	1536	1550	S09	W35	4472	04	24.0	17	SF	3	C		37			
0369		26	1535	1539*	1620	S07	E24	4474	04	28.4	45	SF				38	.4	E	
	HTPR	26	1535	1555	1705	S06	E25	4474	04	28.5	90	SN		C	1555	40	.4	E	
	RAMY	26	1538	1539	1550	S08	E23	4474	04	28.4	12	SF	3	C		40			
	HOLL	26	1538	1541	1605	S08	E23	4474	04	28.4	27	SF	3	C		33			
0370		26	1540*	1554	1559	S14	E11	4474	04	27.5	19	SN				30	.3		
	HTPR	26	1540	1557	1600	S14	E10	4474	04	27.4	20	SF		C	1557	30	.3		
	RAMY	26	1552	1554	1558	S13	E12	4474	04	27.6	6	SN	3	C		30			
0371	RAMY	26	1722	1726	1744	S09	E31	4474	04	29.0	22	2B M 2.8	3	C		620			
0372	RAMY	26	1808	1810	1840	S09	W36	4472	04	24.0	32	1N	3	C		220			
		26	2056		2058	No Flare Patrol													
		26	2125		2135	No Flare Patrol													
0373	LEAR	27	0015	0017	0022	S13	E08	4474	04	27.6	7	SN C 2.4	3	C		41		F	
0374		27	0115	0123*	0148	S13	E09	4474	04	27.7	33	SN C 2.6				93	.9	FKU	
	LEAR	27	0115	0123	0149	S13	E09	4474	04	27.7	34	SN	3	C		75		K	
	LEAR	27	0115	0134	0149	S13	E09	4474	04	27.7	34	SB C 2.6	3	C		106		UFK	
	MANI	27	0132E	0134	0147	S13	E10	4474	04	27.8	15D	SN	1	V		97	.9		
0375		27	0413	0418	0508	S13	E13	4474	04	28.1	55	SB C 1.8				86	1.0	FKT	
	YUNN	27	0413	0418		S18	E11	4474	04	28.0		SN		C		126	1.4	KT	
	YUNN	27	0415	0420	0427D	S08	E16	4474	04	28.4	12D	SN		P		110	1.2	T	
	LEAR	27	0417	0421	0509	S13	E12	4474	04	28.1	52	SB	3	C		47		K	
	LEAR	27	0417	0426	0509	S13	E12	4474	04	28.1	52	SB C 1.8	3	C		82		FK	
	MANI	27	0418	0421	0505	S10	E16	4474	04	28.4	47	SB	1	V		38	.4	F	
	YUNN	27	0427E	0427	0427D	S17	E09	4474	04	27.9	47D	SN C 1.8		P		110	1.2	T	
0376		27	0510*	0516*	0554	S09	E20	4474	04	28.7	44	1B C 2.3				245	3.2	FKT	
	LEAR	27	0510	0516	0601	S08	E15	4474	04	28.3	51	SN	3	C		35		K	
	LEAR	27	0510	0541	0601	S08	E15	4474	04	28.3	51	1B C 2.3	3	C		373		FK	
	CULG	27	0533	0535U	0553	S11	E26	4474	04	29.2	20	SN		P	0535	180	1.9		
	YUNN	27	0536E	0539U	0540	S09	E25	4474	04	29.1	4D	1B C 2.3		P	0539	393	4.5	FT	
0377		27	0636E	0710	0746	S14	E04	4474	04	27.6	70D	1F				142	1.5	BE1	
	HTPR	27	0636E		0746	S12	E09	4474	04	27.9	70D	SF		C	0637	60	.6	BE1	
	CATA	27	0710E	0710	0720D	S16	W01	4474	04	27.2	10D	1	2	P	0710	225	2.4		
0378	CATA	27	0710E	0710	0715	S12	W16		04	26.1	5D	S	2	C	0710	56	.6		

H - ALPHA SOLAR FLARES

113
Apr 84

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USA- Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																(10 ⁻⁶	Apparent Disk)		Corr (Sq Deg)
0379	ATHN	27	0726	0728	0740	S11	E25	4476	04	29.2	14	SF C	1,9	3	V	0728	32	.4	
0380	HTPR	27	0911	0913	0920	S09	W48	4472	04	23.8	9	SF			C	0913	20	.3	E
0381		27	09221	09282	0948	S16	E00	4474	04	27.4	26	SN					18	.2	EF
	HTPR	27	0922	0930	0950	S16	E01	4474	04	27.5	28	SF			C	0930	20	.2	E
	YUNN	27	0923	0928	0945	S17	E00	4474	04	27.4	22	SN			C		16	.2	EF
0382	HTPR	27	1124	1127	1137	S09	W49	4472	04	23.8	13	SF			C	1127	20	.3	E
0383	HTPR	27	1128	1130	1134	S17	E06	4474	04	27.9	6	SN			C	1130	30	.3	
0384		27	11386	1148*	1303	S11	E13	4474	04	28.5	85	SF					30	.3	EK
	HTPR	27	1138	1148	1210	S18	E17	4474	04	28.8	32	SF			C	1148	30	.3	E
	HTPR	27	1144	1156	1330	S07	E11	4474	04	28.3	106	SF			C	1156	30	.3	K
	HTPR	27	1144	1240	1330	S07	E11	4474	04	28.3	106	SF			C	1156	30	.3	K
0385	ABST	27	1201E	1201	1223D	S11	E34	4476	04	30.0	22D	SN			P	1201	87	.9	D
0386		27	1348*	14056	1835	S12	E12	4474	04	28.5	287	1B	M 2.5				274	2.5	EFIKZ
	HOLL	27	1348	1405	1835	S14	E16	4474	04	28.8	287	SB		2	C		176		K
	HOLL	27	1348	1411	1835	S14	E16	4474	04	28.8	287	1B	M 2.5	2	C		397		ZFK
	HTPR	27	1350		1724D	S11	E08	4474	04	28.2	214D	1B			C	1415	250	2.5	EIK
	KANZ	27	1353	1411	1603D	S08	E07	4474	04	28.1	130D	1B		2					
	BERN	27	1359	1411	1510D	S14	E16	4474	04	28.8	71D	1B			C				
0387	HTPR	27	1459	1506	1512	S13	F40	4476	04	30.6	13	SF			C	1505	20	.3	
0388	PALE	27	1751E	1753U	1901	S12	E02	4474	04	27.9	70D	SN	M 1.0	3	C		180		F
0389	HOLL	27	1916	1922	1929	S14	E37	4476	04	30.6	13	SF		2	C		35		
0390	HOLL	27	1931	1939	1947	S14	E37	4476	04	30.6	16	SF		2	C		52		
0391	CULG	27	2218	2225	2231	S12	W08	4474	04	27.3	13	SF			C	2225	60	.6	J
0392		27	23351	2339	2347	S12	W07	4474	04	27.4	12	SN					52	.4	
	HOLL	27	2335	2339	2349	S12	W08	4474	04	27.4	14	SN		3	C		61		
	MANI	27	2336	2339	2345	S12	W06	4474	04	27.5	9	SF		1	V		42	.4	
0393	HOLL	27	2354	2355	2407	S18	W02	4474	04	27.8	13	SF		3	C		35		
0394	LEAR	28	0347E	0352U	0417	S13	E32	4476	04	30.6	30D	SN		3	C		22		F
0395		28	0352*	0407*	0502	S14	W06	4474	04	27.7	70	SN	C 3.2				86	.7	EFHJK
	LEAR	28	0352	0407	0520	S14	W06	4474	04	27.7	88	SN		3	C		135		K
	LEAR	28	0352	0447	0520	S14	W06	4474	04	27.7	88	SB	C 3.2	3	C		108		FKH
	URUM	28	0356	0408	0422	S14	E00	4474	04	28.2	26	SN			C		31	.3	
	CULG	28	0441	0442	0521	S13	W12	4474	04	27.3	40	SN			C	0442	100	1.0	JH
	URUM	28	0444E	0444U	0449	S13	W11	4474	04	27.4	5D	SN			P	0444	79	.8	
	URUM	28	0444	0454	0514D	S16	W03	4474	04	28.0	30D	SF			P		63	.7	
	ABST	28	0451E	0451	0508D	S13	W03	4474	04	28.0	17D	SN			P	0451	87	.9	E
0396		28	0559*	0600*	0628	S13	W05	4474	04	27.9	29	SF					59	.7	DEHT
	LEAR	28	0559	0603	0607	S13	E08	4474	04	28.8	8	SF		3	C		28		
	HTPR	28	0600	0600	0605	S14	E09	4474	04	28.9	5	SF			C	0600	20	.2	E
	YUNN	28	0614E	0614U	0620	S13	E08	4474	04	28.9	6D	SN			P	0614	16	.2	DT
	ABST	28	0620E	0620	0626	S14	W06	4	04	27.8	6D	SF			P	0620	183	1.9	E
	YUNN	28	0620E	0620U	0628	S13	W07	4474	04	27.7	8D	SN			P	0620	110	1.2	T
	HTPR	28	0620	0622	0628	S13	W10	4474	04	27.5	8	SF			C	0622	50	.5	E
	ABST	28	0628E	0632	0637	S11	W11	4474	04	27.4	9D	SN			P	0632	87	.9	D
	HTPR	28	0629	0633	0642	S12	W13	4474	04	27.3	13	SB			C	0633	40	.4	E
	URUM	28	0629	0634	0639	S13	W10	4474	04	27.5	10	SF			C		16	.2	
	KANZ	28	0635	0635	0638	S10	W13	4474	04	27.3	3	SF		2					D
	LEAR	28	0636E	0636U	0641	S13	W12	4474	04	27.4	5D	SF		3	C		40		H
0397		28	0649*	0652*	0716	S08	E08	4474	04	28.9	27	SF					39	.4	DEHITU
	HTPR	28	0649	0652	0657	S09	E08	4474	04	28.9	8	SF			C	0652	10	.1	
	HTPR	28	0658	0659	0710	S13	E07	4474	04	28.4	12	SF			C	0659	20	.2	
	HTPR	28	0659	0700	0706	S10	E07	4474	04	28.8	7	SF			C	0700	10	.1	
	URUM	28	0659	0706	0710	S07	E12	4474	04	29.2	11	SN			C		47	.5	
	KHAR	28	0706E	0702	0728D	S06	E10	4474	04	29.0	28D	SF			V	0703			HI
	HTPR	28	0703	0723	0731	S08	E07	4474	04	28.8	28	SF			C	0723	30	.3	E
	YUNN	28	0707E	0710	0728	S07	E11	4474	04	29.1	21D	SN			P		94	1.0	T
	URUM	28	0716	0722	0732	S06	E09	4474	04	29.0	16	SB			C		63	.7	
	YHAR	28	0720E		0725D	S09	E07	4474	04	28.8	5D	SF			V	0723			DUI

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0398		28	07442	07451	0754	S18	W05	4474	04	27.9	10	SN				18	.2	DI	
	URUM	28	0744	0745	0750	S18	W04	4474	04	28.0	6	SN		C		16	.2		
	KHAR	28	0745E		0754D	S18	W05	4474	04	27.9	9D	SF		V	0752			DI	
	HTPR	28	0746	0746	0758	S18	W05	4474	04	27.9	12	SN		C	0746	20	.2		
0399	KHAR	28	0745E		0755D	S16	E28	4476	04	30.4	10D	SF		V					
0400		28	08561	0859	0904	S12	W14	4474	04	27.3	8	SN	C 2.2			77	.8	DIT	
	YUNN	28	0856	0858U	0904	S12	W14	4474	04	27.3	8	SB	C 2.2	P	0858	126	1.3	T	
	LEAR	28	0856	0859	0902	S13	W14	4474	04	27.3	6	SN	C 2.2	3	C	64			
	HTPR	28	0857	0859	0905	S13	W14	4474	04	27.3	8	SB		C	0859	40	.4		
	KHAR	28	0902E		0904D	S10	W13	4474	04	27.4	2D	SF		V				DI	
0401	KHAR	28	0902E		0912D	S14	E30	4476	04	30.6	10D	SF		V	0907				
0402	HTPR	28	1221	1228	1241	S15	W13	4474	04	27.5	20	SF		C	1228	20	.2		
0403	HOLL	28	1533	1534	1556	S16	W15	4474	04	27.5	23	SN		3	C		24		
0404	PALE	28	1735	1738	1745	S12	E25	4476	04	30.6	10	SF		3	C		45		
0405		28	1725*	1750*	1825	S16	W10	4474	04	28.0	60	SN	C 2.7			121		FK	
	PALE	28	1725	1751	1826	S16	W10	4474	04	28.0	61	SF	C 2.7	3	C	112		F	
	HOLL	28	1740	1750	1824	S15	W11	4474	04	27.9	44	SF	C 2.7	3	C	111			
	RAMY	28	1740	1751	1825	S16	W10	4474	04	28.0	45	SN	C 2.7	3	C	162		K	
	RAMY	28	1740	1812	1825	S16	W10	4474	04	28.0	45	SN		3	C	98		K	
0406		28	2017	2018*	2132	S17	E02	4474	04	29.0	75	1B	C 5.5			354		EFK	
	RAMY	28	2017	2018	2138	S17	E03	4474	04	29.1	81	1B	C 5.5	3	C	227		K	
	HOLL	28	2017	2020	2121	S17	E01	4474	04	28.9	64	2B	C 5.5	3	C	593		FE	
	RAMY	28	2017	2057	2138	S17	E03	4474	04	29.1	81	SN		3	C	73		K	
	PALE	28	2023E	2023U	2101D	S18	E01	4474	04	28.9	38D	2N	C 5.5	3	C	524		F	
0407	HOLL	28	2057	2059	2112	S14	W17	4474	04	27.6	15	SN		3	C		53	F	
0408	CULG	28	2207	2208	2240	S08	E24	4476	04	30.7	33	SF		C	2208	40	.4	HK	
0409	CULG	28	2222	2224	2231	S13	W21	4474	04	27.3	9	SN		C	2224	70	.8	HJ	
0410	CULG	28	2328	2328	2335	S09	E23	4476	04	30.7	7	SF		C	2328	30	.3	J	
0411	CULG	29	0013	0014U	0014D	S14	W24	4474	04	27.2	1D	SF		P	0014	50	.5	F	
0412		29	0542*	0656*	0814	S15	W01	4474	04	29.2	152	1N	M 1.5			302	4.1	DEFI	
	LEAR	29	0542	0656	0656C	S17	E02	4474	04	29.4	74D	1N	M 1.5	3	C	212		F	
	MITK	29	0641	0702	0803D	S15	W01	4474	04	29.2	82D	1N		C	0702	310	3.3	DI	
	LEAR	29	0647	0705	0802	S14	W03	4474	04	29.0	75	SB		3	C	127			
	YUNN	29	0654E	0721	0826	S15	W01	4474	04	29.2	92D	1N		P		362	3.8		
	KHAR	29	0708E		0905D	S17	W01	4474	04	29.2	117D	2N		P	0715	500	5.2	EI	
0413	LEAR	29	0650	0657	0735	S22	E08		04	29.9	45	SF		3	C		251		
0414	LEAR	29	0739	0745	0803	S13	E15	4476	04	30.4	24	SF		3	C		21		
0415	KHAR	29	0902E		0920D	S11	W17	4474	04	28.1	18D	SN		V	0902			EI	
		29	0946		0954	No Flare Patrol													
		29	1001		1052	No Flare Patrol													
0416	RAMY	29	1128	1128	1137	S13	W30	4474	04	27.2	9	SN	C 1.6	3	C		50		
0417	RAMY	29	1158	1210	1240	S12	W18	4474	04	28.1	42	SF		3	C		67		
		29	1255		1303	No Flare Patrol													
		29	1331		1424	No Flare Patrol													
0418		29	1413*	1434	1529	S14	W23	4474	04	27.8	76	1N	M 1.0			172		F	
	HOLL	29	1413	1413U	1426D	S13	W17	4474	04	28.3	13D	1N		3	C	202			
	HOLL	29	1425E	1425U	1430D	S11	W24	4474	04	27.8	5D	1N	M 1.0	3	C	202		F	
	HOLL	29	1432	1434	1500	S15	W25	4474	04	27.7	28	SB		3	C	149		F	
	RAMY	29	1447E		1558	S16	W27	4474	04	27.6	71D	SF		3	C	133		F	

H - ALPHA SOLAR FLARES

115
Apr 84

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CmD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0419	HOLL	29	1614	1616	1621	S12	E09	4476	04	30.3	7	SF	3	C		29		F
0420		29	16396	16471	1658	S13	W23	4474	04	27.9	19	SB C 3.7				47		EF
	RAMY	29	1639	1648	1648D	S12	W18	4474	04	28.3	9D	SB	3	C		49		
	RAMY	29	1640E	1648	1658	S15	W23	4474	04	27.9	18D	SB C 3.7	3	C		44		FE
	HOLL	29	1645	1647	1659	S12	W27	4474	04	27.7	14	SB C 3.7	3	C		49		F
0421		29	1733	17331	1740	S12	E08	4476	04	30.3	7	SN				32		
	PALE	29	1733	1733	1739	S12	E08	4476	04	30.3	6	SF	3	C		32		
	HOLL	29	1733	1733	1740	S12	E08	4476	04	30.3	7	SN	3	C		34		
	RAMY	29	1733	1734	1741	S12	E09	4476	04	30.4	8	SN	3	C		29		
0422		29	1743*	1743*	1756	S13	W34	4474	04	27.2	13	SN C 9.7				73		FH
	PALE	29	1743	1743	1749	S13	W35	4474	04	27.1	6	SN C 9.7	3	C		49		
	RAMY	29	1743	1744	1752	S14	W31	4474	04	27.4	9	SF C 9.7	3	C		48		F
	HOLL	29	1750	1755	1803	S12	W34	4474	04	27.2	13	SB C	3	C		108		
	PALE	29	1754	1755	1802	S14	W35	4474	04	27.1	8	SB	3	C		86		H
0423		29	1807*	1810*	1840	S14	W24	4474	04	27.9	33	SN				50		FK
	RAMY	29	1807	1810	1824	S12	W22	4474	04	28.1	17	SN	3	C		41		
	PALE	29	1808	1810	1846	S15	W28	4474	04	27.6	38	SN	3	C		31		K
	HOLL	29	1808	1812	1841	S11	W21	4474	04	28.2	33	SN	3	C		31		K
	HOLL	29	1808	1827	1841	S11	W21	4474	04	28.2	33	SN	3	C		65		FK
	PALE	29	1808	1828	1846	S15	W28	4474	04	27.6	38	SN	3	C		64		FK
	RAMY	29	1827	1828	1840	S17	W25	4474	04	27.9	13	SN	3	C		68		F
0424		29	1828	18281	1842	S12	E08	4476	04	30.4	14	SN				38		F
	RAMY	29	1828	1828	1844	S12	E08	4476	04	30.4	16	SN	3	C		56		
	PALE	29	1828	1828	1845	S12	E08	4476	04	30.4	17	SN	3	C		29		F
	HOLL	29	1828	1829	1836	S13	E08	4476	04	30.4	8	SN	3	C		29		F
0425		29	18476	18542	1913	S12	W21	4474	04	28.2	26	SN C 3.2				65		F
	PALE	29	1847	1856	1915	S12	W22	4474	04	28.1	28	SN C 3.2	3	C		59		F
	RAMY	29	1852	1854	1911	S12	W21	4474	04	28.2	19	SN C 3.2	3	C		67		F
	HOLL	29	1853	1854	1912	S11	W20	4474	04	28.3	19	SN C 3.2	3	C		69		F
0426		29	1934*	1944*	1957	S14	W25	4474	04	27.9	23	SN				32		F
	RAMY	29	1934	1944	1947	S16	W28	4474	04	27.7	13	SF	3	C				F
	RAMY	29	1953	1954	2007	S12	W22	4474	04	28.2	14	SN	3	C		32		
0427		29	20414	20462	2052	S10	W24	4474	04	28.0	11	SN				39		
	HOLL	29	2041	2048	2052	S10	W24	4474	04	28.0	11	SF	3	C		43		
	RAMY	29	2045	2046	2053	S11	W24	4474	04	28.0	8	SN	3	C		35		F
0428		29	2127	21271	2140	S12	E07	4476	04	30.4	13	SF				39		F
	RAMY	29	2127	2127	2148	S12	E06	4476	04	30.3	21	SF	3	C		46		
	HOLL	29	2127	2128	2132	S12	E08	4476	04	30.5	5	SF	3	C		36		F
	PALE	29	2127	2128	2139	S11	E07	4476	04	30.4	12	SF	3	C		34		F
0429	RAMY	29	2131	2148	2159	S16	W31	4474	04	27.5	28	SF	3	C		21		F
0430		29	23121	2320*	2523	S16	W31	4474	04	27.6	131	SN C 3.6				136		EFK
	PALE	29	2312	2320	2523	S17	W31	4474	04	27.6	131	SN	3	C		134		K
	PALE	29	2312	2440U	2523	S17	W31	4474	04	27.6	131	SN C 3.6	3	C		141		FK
	HOLL	29	2313	2320	2538D	S15	W31	4474	04	27.6	145D	SN	3	C		107		K
	HOLL	29	2313	2438	2538D	S15	W31	4474	04	27.6	145D	SB C 3.6	3	C		163		FEK
0431	PALE	29	2323	2323	2332	S13	E05	4476	04	30.3	9	SF	3	C		30		
		30	0139		0228	No Flare Patrol												
0432	URUM	30	0336	0352	0401	S16	W09	4476	04	29.5	25	SN				47		.5
0433	URUM	30	0510	0520	0530	S20	W43		04	26.9	20	SB				63		.9
0434		30	0540*	0550*	0648	S14	W34	4474	04	27.7	68	1B				183		2.3
	URUM	30	0540	0550	0630	S13	W34	4474	04	27.7	50	1B				236		2.9
	PURP	30	0551E	0601	0624	S12	W31	4474	04	27.9	33D	1N			0601	197		2.4
	URUM	30	0615	0625	0705	S15	W35	4474	04	27.8	50	SB				157		2.0
	YUNN	30	0637E	0642	0715	S16	W37	4474	04	27.5	38D	SN				141		1.9

H - ALPHA SOLAR FLARES

APRIL 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Imp See	Obs Type	Time (UT)	Area Measurement ⁺		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0435		30	0735*	07454	0756	S13	E01	4476	04	30.4	21	SN						44	.5	D
	URUM	30	0735	0745	0755	S13	E00	4476	04	30.3	20	SN			C			47	.5	D
	YUNN	30	0742	0745	0800	S13	E01	4476	04	30.4	18	SN			P			47	.5	
	PURP	30	0747	0749	0752	S14	E02	4476	04	30.5	5	SF			C	0749		39	.4	
		30	0941		1024	No Flare Patrol														
0436		30	1150E	11559	1225	S12	W38	4474	04	27.6	35D	2B	M	2.3				354	4.4	BCDI
	ATHN	30	1150E	1155	1225	S13	W40	4474	04	27.5	35D	2B	M	2.3	2	V	1155	509	6.1	
	LVOV	30	1204E	1204	1214D	S11	W35	4474	04	27.9	10D	IN			C	1204	200	2.6	BCDI	
0437		30	2103	21047	2141	S15	W42	4474	04	27.7	36	SN	C	1.9				72		FK
	RAMY	30	2103	2104	2141	S15	W42	4474	04	27.7	38	SF			3	C		57		K
	RAMY	30	2103	2111	2141	S15	W42	4474	04	27.7	38	SN	C	1.9	3	C		88		FK
0438		30	21488	21572	2209	S18	W47	4474	04	27.3	21	SN	C	1.8				87		EF
	HOLL	30	2148	2159	2214	S17	W46	4474	04	27.4	26	SN	C	1.8	2	C		38		F
	PALE	30	2151	2157	2209	S19	W47	4474	04	27.3	18	SN	C	1.8	3	C		140		
	RAMY	30	2156	2157	2205	S18	W48	4474	04	27.2	9	SB	C	1.8	3	C		83		FE
0439		30	2238*	2245*	2312	S15	W44	4474	04	27.6	34	SN	C	1.6				41	.5	F
	PALE	30	2238	2245	2245	S14	W43	4474	04	27.7	10	SF			3	C		20		
	HOLL	30	2249E	2252	2252	S14	W45	4474	04	27.5	7D	SN			3	C		38		F
	PALE	30	2300	2317	2327	S16	W44	4474	04	27.6	22	SN	C	1.6	3	C		56		
	MANI	30	2301	2312	2325	S16	W43	4474	04	27.7	24	SF			1	V		38	.5	
	HOLL	30	2315E	2316	2328	S15	W44	4474	04	27.6	13D	SN	C	1.6	3	C		54		F
0440		30	2330*	2341*	2351	S14	W41	4474	04	27.9	21	SF						24		F
	HOLL	30	2330	2341	2345	S14	W43	4474	04	27.7	15	SF			3	C		29		F
	HOLL	30	2348	2355		S15	W44	4474	04	27.7		SN			3	C		20		F
	LEAR	30	2352	2355	2357	S14	W37	4474	04	28.2	5	SF			3	C		23		F

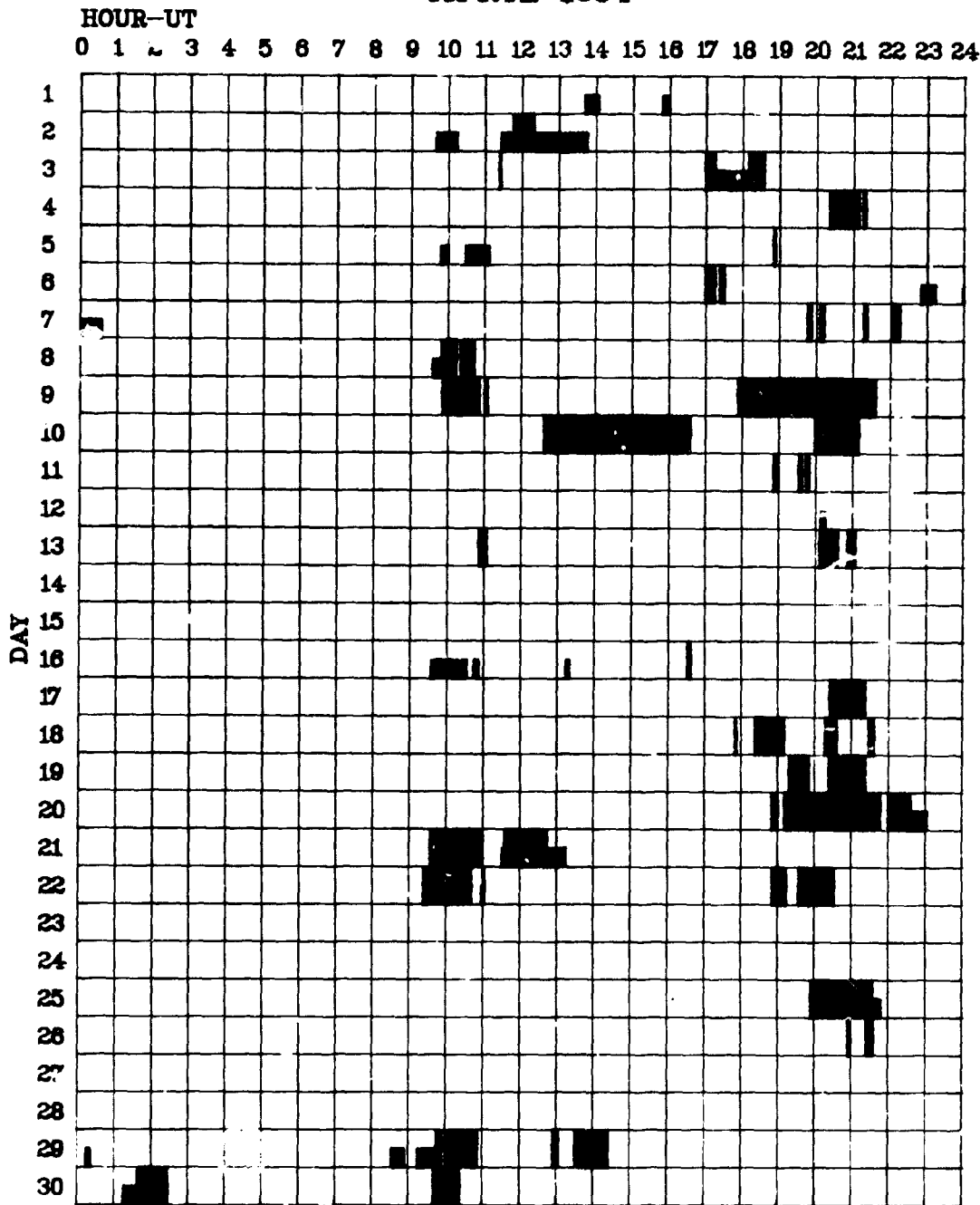
"Remarks":

- | | |
|--|---|
| <p>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.</p> | <p>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.</p> |
|--|---|

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

117
Apr 84

APRIL 1984



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.

- | | | | | |
|------------|----------------|-------------|------------|-------------|
| Abartumani | Culgoora | Kanzelhoehe | Manila | Ramey |
| Athens | Haute Provence | Kharkov | Mitaka | Urumqi |
| Bucharest | Holloman | Kodaikanal | Palehua | Voroshilov |
| Catania | Istanbul | Learmonth | Peking | Wendelstein |
| | | Lvov | Purple Mt. | Yunnan |

118
May 84

H - ALPHA SOLAR FLARES

MAY 1984

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)			
0001		01	0013*	0022*	0224	S14	W35	4474	04	28.5	131	1B M 4.0			505	6.7	BEFIJKTU	
	HOLL	01	0013	0022	0055D	S12	W33	4474	04	28.6	42D	SN	3	C	91		F	
	LEAR	01	0020	0022	0235	S15	W34	4474	04	28.5	135	SB	3	C	32		K	
	LEAR	01	0020	0129	0235	S15	W34	4474	04	28.5	135	2B M 4.0	3	C	660		FK	
	PALE	01	0021	0130	0307	S14	W32	4474	04	28.7	166	2B M 4.0	3	C	1037		ZU	
	PURP	01	0032	0033	0039	S16	W44	4474	04	27.8	7	SN		C	0033	103	1.5	
	PURP	01	0050	0051	0057D	S16	W44	4474	04	27.8	7D	SN		C	0051	51	.7	
	CULG	01	0110	0132	0200	S16	W33	4474	04	28.6	50	2B		C	0132	500	6.0	
	PURP	01	0113	0132	0204	S13	W36	4474	04	28.4	51	2B		C	0132	943	12.1	
	MITK	01	0126E		0133D	S14	W33	4474	04	28.7	7D	2N		P	0133	420	5.2	
	YUNN	01	0138E	0138U	0325	S13	W35	4474	04	28.5	107D	3B		P	0138	1336	17.0	
	PEKG	01	0155E	0200	0214	S14	W33	4474	04	28.7	19D	2B		P	0200	757	9.4	
	URUM	01	0210E	0213	0301	S12	W33	4474	04	28.7	51D	SB		P	126	1.6	UT	
0002	YUNN	J1	0425	0427	0438D	S16	W47	4474	04	27.7	13D	SB		P	31	.5	E	
0003		01	05062	05103	0520	S12	W48	4474	04	27.7	14	1N			142	2.2		
	CULG	01	0506	0510	0518	S13	W47	4474	04	27.8	12	1N		C	0510	220	3.3	
	URUM	01	0508	0513	0523	S11	W49	4474	04	27.6	15	SN		C	63	1.0		
0004	CULG	01	0538	0541	0543	S13	W54	4474	04	27.3	5	SF		C	0541	50	.7	
0005	LEAR	01	0611	0611	0617	S17	W47	4474	04	27.8	6	SB C 4.1	3	C	31		FU	
0006	KHAR	01	0826	0827	0835	S07	W41	4474	04	28.4	9	SF		V	0827			
0007	KHAR	01	0834	0835	0840	S17	W19	4476	04	30.0	6	SF		V	0835		H	
0008		01	0937	0958*	1020	S08	W40	4474	04	28.5	43	SF			63	.9		
	URUM	01	0937	0958	1018	S08	W43	4474	04	28.3	41	SN		C	63	.9		
	KHAR	01	1006E		1012D	S07	W41	4474	04	28.4	6D	SF		V	1008			
	KHAR	01	1018E	1018	1023	S09	W27	4474	04	28.7	5D	SF		V	1018			
		01	1101		1105	No Flare Patrol												
0009	LVOV	01	1215	1218	1225	S12	W53	4474	04	27.6	10	1N		C	1218	200	3.4	
0010	RAMY	01	1301	1302	1313	S14	W40	4474	04	28.6	12	SN	3	C	35		F	
0011	RAMY	01	1340	1340	1346D	S15	W53	4474	04	27.6	6D	SF	3	C	22			
		01	1430		1509	No Flare Patrol												
		01	1539		1555	No Flare Patrol												
0012	HOLL	01	1732	1733	1738	S13	W47	4474	04	28.3	6	SF	3	C	19		F	
0013	HOLL	01	1759	1801	1808	S11	W41	4474	04	28.8	9	SF C 1.0	3	C	29		F	
0014	HOLL	01	1808	1809	1813	S15	W52	4474	04	27.9	5	SF	3	C	26		F	
0015	HOLL	01	1822	1822	1829	S16	W38	4474	04	29.0	7	SN	3	C	27		F	
0016	RAMY	01	1859	1859	1913	S16	W51	4474	04	28.0	14	SN C 1.8	3	C	20			
		01	2054		2100	No Flare Patrol												
0017	HOLL	01	2133	2140	2153	S13	W49	4474	04	28.3	20	SN	3	C	28			
0018	VORO	01	2237	2238	2241	S18	W53	4474	04	28.0	4	SF		C	2238	36	.6	
0019		01	23171	23195	2342	S12	W48	4474	04	28.4	25	SN C 2.1			84	1.2	DF1	
	VORO	01	2317	2319	2329	S12	W43	4474	04	28.8	12	SN		C	2319	81	1.2	
	HOLL	01	2318	2324	2356	S11	W54	4474	04	28.0	38	SN C 2.1	3	C	88		F	
0020	LEAR	02	0114	0114	0122	S15	W23	4476	04	30.3	8	SF	3	C	20			
0021		J2	0216	0219	0224	S14	W25	4476	04	30.2	8	SN			18	.2	D	
	YUNN	02	0216E	0216U	0216D	S14	W25	4476	04	30.2	8D	SN		P	0216	16	.2	
	LEAR	02	0216	0219	0224	S13	W25	4476	04	30.2	8	SF	3	C	21		D	

H - ALPHA SOLAR FLARES

119
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
								Region	Mo Day						Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0022	LEAR	02	0216	0217	0223	S15	W60	4474	04	27.6	7	SF	3	C		20			
0023	LEAR	02	0345	0345	0350	S15	W56	4474	04	28.0	5	SN C 1.1	3	C		26		F	
0024	LEAR	02	0710	0712	0720	S17	W64	4474	04	27.5	10	SF	3	C		46			
0025		02	07386	07408	0803	S13	W50	4474	04	28.6	25	SF C 1.1				102	3.0	E	
	ABST	02	0738	0740	0800	S11	W53	4474	04	28.4	22	IF		C	0740	174	3.0	E	
	KANZ	02	0743	0746	0805	S12	W47	4474	04	28.9	22	SN	2						
	LEAR	02	0744	0748	0805	S15	W49	4474	04	28.7	21	SF C 1.1	3	C		31			
0026	ABST	02	0738	0741	0758	S05	W54		04	28.4	20	SF		C	074	87	1.5	D	
0027		02	1136*	11408	1153	S14	W34	4476	04	30.0	17	SN				27		F	
	KANZ	02	1136	1140	1152	S13	W34	4476	04	30.0	16	SN	2						
	RAMY	02	1147	1148	1154	S15	W35	4476	04	29.9	7	SF	3	C		27		F	
0028		02	11488	1152*	1243	S13	W55	4474	04	28.4	55	SN				52	1.1		
	KANZ	02	1148	1152	1233	S15	W64	4474	04	27.7	45	SN	2						
	WEND	02	1154	1211	1231	S12	W52	4474	04	28.7	37	SN		C	1211	62	1.1		
	KANZ	02	1156	1204	1306	S13	W50	4474	04	28.8	70	IF	2						
0029	RAMY	02	1417	1420	1430	S14	W54	4474	04	28.6	13	SF	3	C		31		F	
0030		02	1438*	15002	1536	S12	W52	4474	04	28.8	58	SF C 2.7				87		F	
	RAMY	02	1438	1502	1538	S13	W54	4474	04	28.6	60	SF C 2.7	3	C		94		F	
	HOLL	02	1453	1500	1535	S12	W51	4474	04	28.9	42	SF C 2.7	3	C		80		F	
0031		02	16041	1613*	1710	S14	W54	4474	04	28.7	66	SB C 7.9				88		FK	
	HOLL	02	1604	1615	1711	S12	W54	4474	04	28.7	67	SB C 7.9	3	C		106		F	
	RAMY	02	1605	1613	1707	S14	W54	4474	04	28.7	62	SB C 7.9	3	C		94		K	
	RAMY	02	1605	1632	1707	S14	W54	4474	04	28.7	62	SB	3	C		84		K	
	PALE	02	1655E	1656U	1715	S15	W56	4474	04	28.6	200	SF	3	C		69			
0032	HOLL	02	1829	1835	1839	S16	W43	4476	04	29.6	10	SF C 1.9	3	C		33		F	
0033		02	19141	1917*	2144	S10	W59	4474	04	28.5	150	SB M 3.0				143		FK	
	RAMY	02	1914	1917	2005D	S11	W60	4474	04	28.4	51D	SB	3	C		97		K	
	RAMY	02	1914	1944	2005D	S11	W60	4474	04	28.4	51D	SB	3	C		258		K	
	HOLL	02	1915	1919	2130D	S07	W60	4474	04	28.4	135D	SB	3	C		113		FK	
	HOLL	02	1915	1933	2130D	S07	W60	4474	04	28.4	135D	SB M 3.0	3	C		145		K	
	PALE	02	1916E	1917U	2144	S11	W58	4474	04	28.5	148D	SB	3	C		71		FK	
	PALE	02	1916E	1948	2144	S11	W58	4474	04	28.5	148D	IN	3	C		175		K	
0034	PALE	02	2218	2242	2245	S13	W59	4474	04	28.6	27	SF	3	C		23			
0035		03	0311*	0316*	0332	S13	W65	4474	04	28.3	21	SN C 7.1				38	.6	DEF	
	PEKG	03	0311	0317	0335	S12	W67	4474	04	28.2	24	SN C 7.1		C	0317	46		D	
	CULG	03	0312	0316	0328	S13	W66	4474	04	28.2	16	SF		C	0316	30			
	YUNN	03	0312	0321	0333	S12	W69	4474	04	28.0	21	SB		C		63			
	LEAR	03	0314	0321	0334	S12	W67	4474	04	28.2	20	SB C 7.1	3	C		40		F	
	PALE	03	0316E	0318	0322D	S13	W66	4474	04	28.2	60	SN	3	C		40			
	URUM	03	0316	0322	0328	S12	W67	4474	04	28.2	12	SB		C		16		D	
	PEKG	03	0326	0330	0334	S17	W57	4474	04	28.9	8	SF		C	0330	34	.6	E	
0036		03	04205	04251	0429	S15	W45	4476	04	29.9	9	SF C 1.5				33	.6	EH	
	YUNN	03	0420	0425	0430	S14	W46	4476	04	29.8	10	SF		C		31	.5		
	CULG	03	0422	0426	0431	S15	W44	4476	04	29.9	9	SF		C	0426	50	.7	H	
	LEAR	03	0425	0425	0427	S15	W45	4476	04	29.9	2	SF C 1.5	3	C		21			
	URUM	03	0425E	0425U	0429	S15	W44	4476	04	29.9	40	SN		P	0425	31	.5	E	
0037		03	0526	05261	0531	S18	W52	4474	04	28.9	5	SF				64	1.2	DV	
	CULG	03	0526	0526	0530	S16	W57	4474	04	29.0	4	SF		C	0526	40	.7		
	ABST	03	0526	0527	0532	S17	W60	4474	04	28.8	6	SF		C	0527	87	1.7	DV	
0038		03	07201	0728*	0754	S18	W62	4474	04	28.7	34	IN C 1.3				377	5.2	EFHKU	
	KHAR	03	0706E		0718D	S15	W78	4474	04	27.5	12D	SF		V	0718				
	KHAR	03	0718E	0728	0846D	S18	W62	4474	04	28.7	88D	SN		P	0805	300		EH	
	CATA	03	0720	0730	0735D	S18	W60	4474	04	28.8	15D	2		P	0730	337	7.0		
	LEAR	03	0721	0728	0757	S18	W60	4474	04	28.8	36	IN	3	C		186		K	
	LEAR	03	0721	0749	0757	S18	W60	4474	04	28.8	36	IN C 1.3	3	C		1158		UFK	
	URUM	03	0725E	0730	0750	S19	W59	4474	04	28.9	25D	IN		P		141	2.9	F	
	PEKG	03	0730E	0730	0750	S18	W59	4474	04	28.9	20D	1F		P	0730	151	3.1	E	
	CATA	03	0745E	0745	0805D	S19	W60	4474	04	28.8	20D	2		P	0745	365	7.6		

120
May 84

H - ALPHA SOLAR FLARES

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0039	KHAR	03	0906E		0930D	S19	W62	4474	04	28.7	24D	SF			V	0906			DH
0040	KHAR	03	1003E		1005D	S10	W73	4474	04	28.0	2D	SF			V	1003			D
0041	RAMY	03	1057	1105	1136	S10	W44	4476	04	30.1	39	SN	C 1.1	3	C		74		F
0042	RAMY	03	1252	1305	1321	S17	W76	4474	04	27.9	29	SN	C 1.1	3	C		38		
0043	HOLL	03	1332	1333	1341	S15	W62	4474	04	29.0	9	SF		3	C		24		
0044		03	1600	1608	1638	S09	W46	4476	04	30.2	38	SN	C 1.8				54		F
	KANZ	03	1600	1608	1619D	S09	W46	4476	04	30.2	19D	SF		2					
	HOLL	03	1600	1614	1638	S09	W46	4476	04	30.2	38	SN	C 1.8	3	C		54		F
0045		03	1604	1615	1657	S11	W64	4474	04	28.9	53	SN					34		
	KANZ	03	1604	1615	1619D	S11	W64	4474	04	28.9	15D	SF		2					
	HOLL	03	1608	1616	1657	S11	W65	4474	04	28.9	49	SN		3	C		34		
0046	HOLL	03	1928	1934	1945	S09	W49	4476	04	30.1	17	SF	C 1.1	3	C		30		
0047		03	2334I	2349S	2439	S13	W71	4474	04	28.7	65	SN	C 3.6				81		E
	HOLL	03	2334	2349	2501	S11	W72	4474	04	28.7	87	SN	C 3.6	3	C		79		
	LEAR	03	2335	2352	2419	S14	W68	4474	04	28.9	44	SN	C 3.6	3	C		80		
	PEKG	03	2345E	2350	2437	S13	W73	4474	04	28.6	52D	SN	C 3.6		P	2350	84		E
0048	LEAR	04	0137	0137	0142	S14	W51	4476	04	30.2	5	SN		3	C		28		
0049	LEAR	04	0221	0224	0227	S11	W52	4476	04	30.2	6	SF		3	C		24		F
0050		04	0313Z	0317Z	0330	S11	W51	4476	04	30.3	17	SF	C 1.7				34		
	LEAR	04	0313	0317	0328	S11	W52	4476	04	30.2	15	SF	C 1.7	3	C		32		
	PALE	04	0315	0319	0331	S11	W50	4476	04	30.4	16	SF	C 1.7	3	C		35		
0051		04	0605I	0606Z	0626	S13	W52	4476	04	30.3	21	SN					98	1.6	DV
	MIN	04	0605	0606	0638	S11	W48	4476	04	30.6	33	SB		1	V	0606	80	.9	
	ABST	04	0606	0608	0617	S19	W53	4476	04	30.2	11	SN			C	0608	87	1.5	DV
	CULG	04	0608E	0608U	0615	S11	W53	4476	04	30.3	7D	1N			P	0608	120	2.1	
	BUCA	04	0610E	0615U	0635	S11	W54	4476	04	30.2	25D	SF			C	0615	107	1.8	
0052	HOLL	04	2317	2322	2328	S12	W63	4476	04	30.2	11	SF		3	C		40		
0053	HOLL	04	2333	2335	2348	S09	W63	4476	04	30.2	15	SB	C 2.8	3	C		61		EF
0054	HOLL	05	0054	0054	0101	S11	W64	4476	04	30.2	7	SF		3	C		30		
0055	LEAR	05	0535	0535	0539	S10	W84	4474	04	29.0	4	SF		3	C		77		
0056	PEKG	05	0540E	0540	0540D	S20	E38	4484A	05	8.1	4D	SF			P	0540	38	.5	E
0057		05	0703E	0808	0818D	N03	E90	4480	05	12.0	75D	1B							EHKR
	KHAR	05	0703E		0755D	N03	E90	4480	05	12.0	52D	1N			V	0703			EHK
	KHAR	05	0805E	0808	0818D	N03	E90	4480	05	12.1	13D	SB			V	0811			EHR
0058	KHAR	05	0725E		0738D	S16	W73	4476	04	29.9	13D	SF			V	0732			DH
0059	LEAR	05	0735	0737	0739	S10	W85	4474	04	29.0	4	SF		3	C		10		
0060		05	0806Z	0810	0840	N09	E90	4481	05	12.1	34	1B					71		H
	HTPR	05	0806	0810	0835	N10	E90	4481	05	12.1	29	S3			C	0810	30		
	CATA	05	0810	0810	0845	N08	E90	4481	05	12.1	35	1		2	C	0810	112		H
0061		05	0815	0816	0826	S12	W69	4476	04	30.1	11	SF					36		DH
	KHAR	05	0813E		0822D	S13	W69	4476	04	30.1	9D	SF			V	0813			DH
	LEAR	05	0815	0816	0824	S14	W69	4476	04	30.1	9	SF		3	C		28		
	BUCA	05	0815	0816	0829	S15	W70	4476	04	30.0	14	SF			C	0816	43		
	KHAR	05	0818E		0822D	S07	W69	4476	04	30.2	4D	SF			V	0819			D
0062	HTPR	05	0922	0924	0927	N10	E90	4481	05	12.1	5	SF			C	0924	10		

H - ALPHA SOLAR FLARES

121
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0063	HTPR	05	0938	0948	0955	N10	E90	4481	05	12.2	17	SN		C	0948	20		E
0064		05	1016E	1017*	1045D	N05	E90	4481	05	12.1	29D	SF						H
	KHAR	05	1016E	1017	1030D	N05	E90	4481	05	12.1	14D	SF		V	1022			H
	KHAR	05	1038E	1038	1045D	N05	E90	4481	05	12.2	7D	SF		V	1038			H
0065		05	1109*	11242	1140	S13	W68	4476	04	30.3	31	IB				82	.9	DEF
	RAMY	05	1109	1124	1146	S11	W66	4476	04	30.5	37	IB	3	C		93		FE
	HTPR	05	1123	1124	1129	S14	W69	4476	04	30.2	6	SB		C	1124	40	.9	E
	CATA	05	1125	1125	1145	S14	W67	4476	04	30.4	20	I	2	C	1125	112		
	KHAR	05	1125E	1126	1134D	S13	W70	4476	04	30.2	9D	SN		V	1126			D
0066	RAMY	05	1156	1156	1202	S14	W74	4476	04	30.0	6	SF	3	C		12		
0067		05	12109	12146	1221	N07	E90	4481	05	12.2	11	SF				12		
	RAMY	05	1210	1214	1216	N07	E90	4481	05	12.2	6	SF	3	C		17		
	RAMY	05	1219	1220	1226	N07	E90	4481	05	12.2	7	SF	3	C		8		
0068	RAMY	05	1242	1246	1302	S10	W75	4476	04	30.0	20	SN	3	C		72		
0069	RAMY	05	1553	1557	1603	S10	W76	4476	04	30.0	10	SF	3	C		12		
0070	PALE	05	1751	1752	1755	S14	W73	4476	04	30.2	4	SF	3	C		24		
0071	LEAR	06	0150E	0151	0201	N06	E83	4481	05	12.3	11D	SF	3	C		13		
0072		06	02493	02521	0305	S22	E25	4478	05	8.0	16	SN				46	.6	GHS
	YUNN	06	0249	0253	0301	S22	E25	4478	05	8.0	12	SN		P		47	.6	G
	LEAR	06	0252	0252	0309	S21	E25	4478	05	8.0	17	SN	3	C		44		HS
0073		06	04094	04161	0425	N06	E86	4481	05	12.6	16	SN C 2.4				17		A
	YUNN	06	0409	0417	0422D	N06	E90	4481	05	12.9	13D	SN		P		16		A
	LEAR	06	0413	0416	0425	N06	E83	4481	05	12.4	12	SF C 2.4	3	C		18		
0074		06	0827	0827	0846	N07	E82	4481	05	12.5	19	SB				32		
	KANZ	06	0827	0827	0847	N07	E74	4481	05	11.9	20	SN	2					
	ATHN	06	0827E	0828D	0844	N07	E89	4481	05	13.0	17D	SB	3	V	0828	32		
0075	KANZ	06	0827	0827	0835	S04	E70	4480	05	11.6	8	SF	2					
0076	KANZ	06	0923	0923	0927	N09	E73	4481	05	11.9	4	SN	2					
0077	KHAR	06	0946E	0947	0950D	S12	E28	4479	05	8.5	4D	SF		V	0947			
0078		06	1039	1039*	1055	N06	E78	4481	05	12.3	16	SN						E
	KANZ	06	1039	1039	1055	N09	E75	4481	05	12.1	16	SN	2					
	KHAR	06	1040E	1041	1058D	N04	E80	4481	05	12.4	18D	SN		V	1041			E
	KHAR	06	1112E	1112	1133D	N04	E80	4481	05	12.4	21D	SN		V	1112			E
0079		06	1143	1143	1154	N10	E81	4481	05	12.6	11	SN				9		
	RAMY	06	1143	1143	1152	N10	E88	4481	05	13.1	9	SF	3	C		9		
	KANZ	06	1143	1143	1155	N09	E74	4481	05	12.0	12	SB	2					
0080	HOLL	06	1320	1328	1335	N05	E78	4481	05	12.4	15	SF	3	C		17		
0081	HOLL	06	1414	1420	1452	N05	E79	4481	05	12.5	38	SF	3	C		12		FH
0082	KANZ	06	1433	1433	1437	N04	E63	4480	05	11.3	4	SF	2					
0083		06	16196	1625	1636	N06	E86	4481	05	13.1	17	SB C 3.1				31		E
	RAMY	06	1619	1625	1642	N08	E89	4481	05	13.3	23	SB C 3.1	3	C		41		
	HOLL	06	1625	1625	1630	N05	E84	4481	05	13.0	5	SB C 3.1	3	C		21		E
0084		06	17211	1723	1730	N05	E78	4481	05	12.5	9	SN C 3.8				44		
	HOLL	06	1721	1723	1730	N04	E77	4481	05	12.5	9	SN	3	C		48		
	RAMY	06	1722	1723	1729	N06	E79	4481	05	12.6	7	SN C 3.8	3	C		40		
0085		06	1905*	19105	1918	N06	E78	4481	05	12.6	13	SN C 3.8				23		F
	HOLL	06	1905	1911	1913	N05	E80	4481	05	12.8	8	SN C 3.8	3	C		26		F
	RAMY	06	1907	1910	1918	N07	E78	4481	05	12.6	11	SN	3	C		29		
	PALE	06	1915	1915	1922	N05	E76	4481	05	12.5	7	SF	3	C		13		

122
May 84

H - ALPHA SOLAR FLARES

MAY 1984

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)		
0086		07	0413*	04311	0449	N08	E69	4481	05	12.3	36	1N	C 2.7				112		DE	
	LEAR	07	0413	0432	0444	N06	E68	4481	05	12.3	31	1N	C 2.7	2	C		116			
	ABST	07	0428	0431	0500	N12	E70	4481	05	12.4	32	1N			C	0431	87		D	
	PEKG	07	0432E	0432	0443	N07	E70	4481	05	12.4	11D	SN	C 2.7		P	0432	134		E	
0087		07	06484	06532	0708	N06	E68	4481	05	12.4	20	SN	C 2.2				54	1.2	DE	
	LEAR	07	0648	0655	0705D	N06	E69	4481	05	12.3	17D	SN	C 2.2	2	C		44			
	BUCA	07	0650	0655	0714	N07	E70	4481	05	12.5	24	SN	C 2.2		C	0653	54		D	
	CATA	07	0650	0655	0705D	N05	E68	4481	05	12.4	15D	S		2	P	0655	56			
	ATHN	07	0652	0653	0703	N06	E66	4481	05	12.2	11	SN		2	V	0653	48	1.2		
	KHAR	07	0656E		0740D	N05	E70	4481	05	12.5	44D	SF			P	0700	70		E	
		07	1011		1019	No Flare Patrol														
0088	RAMY	07	1059E		1127	N05	E66	4481	05	12.4	28D	SF			3	C		19		F
0089	RAMY	07	1135	1136	1141	N05	E65	4481	05	12.3	6	SF			3	C		12		
		07	1224		1234	No Flare Patrol														
0090		07	1325	13272	1346	N06	E67	4481	05	12.6	21	SF	C 2.6				30		FS	
	RAMY	07	1325	1327	1347	N07	E71	4481	05	12.9	22	SF	C 2.6	3	C		30		FS	
	KANZ	07	1325	1329	1346	N05	E63	4481	05	12.3	21	SF		1						
0091	RAMY	07	1437	1437	1443	N05	E64	4481	05	12.4	6	SF			3	C		23		
0092	PALE	07	1742	1744	1753	N10	E70	4481	05	13.0	11	SF			3	C		45		
0093		07	1835*	1845*	1907	N07	E61	4481	05	12.3	32	SF					40		F	
	PALE	07	1835	1845	1901	N06	E60	4481	05	12.3	26	SF			3	C		56		F
	PALE	07	1906	1907	1913	N08	E62	4481	05	12.4	7	SF			3	C		24		
0094	HOLL	07	2115	2115	2121	N04	E66	4481	05	12.8	6	SF			3	C		14		F
0095		07	23535	2356*	2414	N00	E53	4480	05	11.9	21	SN					53	.9	FK	
	CULG	07	2353	2356	2405	N01	E52	4480	05	11.9	12	SB			C	2356	50	.9		
	HOLL	07	2356	2358	2406	S02	E53	4480	05	11.9	10	SN			3	C		70		F
	PALE	07	2358	2359	2404	N01	E53	4480	05	11.9	6	SN			3	C		63		
	LEAR	08	0002E	0002	0027	N01	E54	4480	05	12.0	25D	SF			3	C		55		K
	LEAR	08	0002E	0021	0027	N01	E54	4480	05	12.0	25D	SN			3	C		20		K
0096		08	00379	0040*	0058	N02	E57	4480	05	12.3	21	SN					17			
	HOLL	08	0037	0040	0045	N02	E57	4480	05	12.3	8	SF			3	C		16		
	HOLL	08	0046	0051	0111	N02	E57	4480	05	12.3	25	SN			3	C		18		
0097		08	00442	00474	0057	N06	E59	4481	05	12.4	13	SN					23			
	LEAR	08	0044	0047	0058	N06	E61	4481	05	12.6	14	SF			3	C		23		
	PALE	08	0046	0051	0056	N06	E57	4481	05	12.3	10	SN			3	C		23		
0098		08	0117	01181	0128	N08	E66	4481	05	13.0	11	1N	C 1.8				63			
	CULG	08	0117	0118	0124	N09	E68	4481	05	13.1	7	1F			C	0118	90			
	HOLL	08	0117	0119	0131	N08	E65	4481	05	12.9	14	SN	C 1.8	2	C		36			
0099		08	0154	0155*	0236	N07	E59	4481	05	12.5	42	SB	C 6.7				101	2.3	K	
	CULG	08	0151E	0155U	0218U	N06	E55	4481	05	12.2	27U	1B			P	0155	140	2.3		
	PALE	08	0154	0155	0236	N08	E61	4481	05	12.6	42	SB	C 6.7	3	C		100		K	
	PALE	08	0154	0211	0236	N08	E61	4481	05	12.6	42	SN			3	C		63		K
0100	ABST	08	0428	0433	0450	N03	E58	4481	05	12.5	22	1F			C	0433	131	2.6	E	
0101	HOLL	08	1732	1732	1736	N06	E58	4481	05	13.1	4	SF	C 1.3	3	C		17		F	
0102		08	2056	20568	2118	N08	E57	4481	05	13.1	22	SB	C 4.3				43		EK	
	HOLL	08	2056	2056	2118	N08	E57	4481	05	13.1	22	SN			3	C		26		K
	HOLL	08	2056	2104	2118	N08	E57	4481	05	13.1	22	SB	C 4.3	3	C		60		EK	
0103	PALE	08	2214	2214	2222	N08	E54	4481	05	13.0	8	SF			3	C		46		F

H - ALPHA SOLAR FLARES

123
May 84

MAY 1984

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)	
0104	HOLL	09	0122E	0123	0126	N01	E28	4480	05	11.1	4D	SN		3	C		30		
0105	YUNN	09	0218E	0218U	0218D	N00	E38	4480	05	11.9	4D	SN			P	0218	16	.2	
0106	HTPR	09	0837	0840	0851	N06	E30	4480	05	11.6	14	SF			C	0840	20	.3	E
0107	HTPR	09	1008	1010	1021	N06	E50	4481	05	13.2	13	SF			C	1010	10	.1	
		09	1132		1133	No flare patrol													
0108	HTPR	09	1406E		1425	N04	E42	4481	05	12.7	19D	SF			C	1416	50	.7	E
0109	HTPR	09	1406E		1429D	N02	E34	4480	05	12.1	23D	SF			C	1416	80	1.0	E
0110	RAMY	09	1506	1506	1509	N05	E35	4481	05	12.2	3	SF		3	C		30		
0111	RAMY	09	1530	1531	1535	N08	E41	4481	05	12.7	5	SN	C 1.8	3	C		44		
0112		09	1536	1539S	1624	N13	E53	4481	05	13.6	48	1B	C 8.5				219		EFKU
	HOLL	09	1536	1539	1626	N12	E53	4481	05	13.6	50	SB	C 8.5	3	C		128		K
	RAMY	09	1536	1542	1621	N14	E53	4481	05	13.6	45	1B	C 8.5	3	C		198		FE
	HOLL	09	1536	1544	1626	N12	E53	4481	05	13.6	50	1B		3	C		331		U FK
0113	HOLL	09	2042	2044	2047	N01	E32	4480	05	12.2	5	SN	C 2.1	3	C		25		
0114	HOLL	09	2233	2234	2241	S10	W54	4484	05	5.9	8	SF		3	C		24		
0115		09	2247*	2316*	2356	S11	W60	4484	05	5.4	69	SF					23		
	HOLL	09	2247	2316	2339	S11	W59	4484	05	5.5	52	SF		3	C		33		
	LEAR	09	2346	2348	2350	S12	W60	4484	05	5.5	4	SF		3	C		21		
	HOLL	09	2351	2410	2420	S11	W60	4484	05	5.5	29	SF		3	C		15		
0116	CULG	09	2256	2258	2304	N03	E29	4480	05	12.1	8	SN			C	2258	50	.6	
0117	HOLL	09	2257	2257	2301	N07	E33	4481	05	12.4	4	SN	C 1.7	3	C		22		F
0118		09	2328	2329	2334	N06	E43	4481	05	13.2	6	SF					40		
	HOLL	09	2328	2329	2331	N06	E44	4481	05	13.3	3	SF		3	C		29		
	LEAR	09	2328	2329	2338	N07	E42	4481	05	13.1	10	SF		3	C		51		
0119	LEAR	10	0038	0054	0103	S12	W62	4484	05	5.3	25	SF		3	C		24		
0120		10	0104	0112B	0144	N08	E40	4481	05	13.0	40	SN	C 3.2				49	.4	FK
	LEAR	10	0104	0112	0153	N08	E40	4481	05	13.0	49	SN		3	C		47		K
	LEAR	10	0104	0120	0153	N08	E40	4481	05	13.0	49	SN	C 3.2	3	C		83		FK
	PURP	10	0115E	0115	0115D	N09	E41	4481	05	13.1	49D	SB			V	0115	34	.5	
	YUNN	10	0115E	0119	0125	N06	E41	4481	05	13.1	10D	SN			P		31	.4	
0121		10	0117Z	0121Z	0128	N02	E28	4480	05	12.1	11	SB					58	.8	E
	CULG	10	0117	0121	0129	N03	E28	4480	05	12.1	12	SB			C	0121	80	.9	E
	YUNN	10	0119	0122	0128D	N02	E29	4480	05	12.2	9D	SB			P		63	.7	
	HOLL	10	0122E	0123	0126	N01	E28	4480	05	12.1	4D	SN		3	C		30		
0122		10	0115S	0134*	0320	N16	E65		05	15.0	125	1F					198	6.9	EFGIUWV
	CULG	10	0115	0134	0450	N18	E62		05	14.8	215	2F			C	0134	300	6.9	WVIF
	MITK	10	0120	0202	0537	N18	E67		05	15.1	257	2F			C	0202	420		FGU
	YUNN	10	0150E	0150U	0155	N13	E65		05	15.0	5D	SN			P	0150	16		EG
	LEAR	10	0150E	0157	0212	N15	E68		05	15.2	22D	1F		3	C		207		UF
	PALE	10	0159E	0200U	0207	N16	E63		05	14.9	8D	SF		3	C		48		
0123	LEAR	10	0204	0207	0223	N07	E33	4481	05	12.5	19	SN		3	C		49		
0124	LEAR	10	0239	0239	0246	S12	W62	4484	05	5.4	7	SF		3	C		20		
0125	LEAR	10	0314	0314	0321	S13	W62	4484	05	5.4	7	SF		3	C		19		
0126		10	0320	0321	0334	N08	E40	4481	05	13.1	14	SB					56	.8	F
	LEAR	10	0320	0321	0337	N07	E39	4481	05	13.1	17	SN		3	C		58		F
	PURP	10	0321E	0321	0331	N09	E40	4481	05	13.1	10D	SB			P	0321	55	.8	

H - ALPHA SOLAR FLARES

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks		
						Lat	Cmd	Reg							Mo	Day		Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)
0127		10	03584	03596	0417	N06	E39	4481	05	13.1	19	SN			71	1.2	E		
	LEAR	10	0358	0359	0415	N07	E39	4481	05	13.1	17	SF	3	C	25				
	URUM	10	0359	0402	0411	N05	E38	4481	05	13.0	12	SN		C	141	1.9	E		
	LRUM	10	0402	0405	0425	N06	E39	4481	05	13.1	23	SN		C	47	.6			
0128		10	0444*	0449*	0539	N07	E38	4481	05	13.0	55	SN			77	1.2	EF		
	URUM	10	0444	0449	0514	N05	E39	4481	05	13.1	30	1F		C	157	2.1			
	URUM	10	0509	0535	0559	N06	E37	4481	05	13.0	50	SF		C	79	1.0	E		
	PURP	10	0528	0533	0544	N09	E39	4481	05	13.1	16	SN		C	0533	41	.6		
	LEAR	10	0530	0533	0538	N08	E38	4481	05	13.1	8	SN	3	C	32		F		
0129	URUM	10	0604	0609	0619	N08	E42	4481	05	13.4	15	SF		C	126	1.8			
0130	ISTA	10	0630E		0700	S12	W63	4484	05	5.5	300	1N					D		
0131	LEAR	10	0637	0642	0648	N07	E37	4481	05	13.0	11	SN	3	C	36		F		
0132		10	07424	07472	0756	N08	E36	4481	05	13.0	14	SN	C 2.1		38	.5	EF		
	PURP	10	0742	0748	0758	N09	E38	4481	05	13.2	16	SB		C	0748	41	.6		
	ATHN	10	0743E	0747	0756	N08	E34	4481	05	12.9	130	SN		2	Y	0747	64	.8	
	LEAR	10	0744	0748	0756	N05	E35	4481	05	12.9	12	SN	C 2.1	3	C	40		F	
	URUM	10	0744	0749	0754	N07	E36	4481	05	13.0	10	SN		C	16	.2			
	HTPR	10	0745	0748	0759	N08	E37	4481	05	13.1	14	SB		C	0748	30	.4	E	
	ISTA	10	0746	0749	0754	N09	E38	4481	05	13.2	8	SN	C 2.1				.4	E	
0133		10	0757*	08116	0835	S13	W65	4484	05	5.4	38	SN			16	.3	DK		
	ATHN	10	0750E	0816	0839	S12	W66	4484	05	5.3	490	SB	2	Y	0816	19	.4		
	LEAR	10	0757	0813	0837	S13	W65	4484	05	5.4	40	SB	3	C	18		K		
	LEAR	10	0757	0817	0837	S13	W65	4484	05	5.4	40	SN	3	C	17		K		
	HTPR	10	0800	0811	0840	S13	W66	4484	05	5.3	40	SF		C	0811	10	.2		
	ISTA	10	0812		0822	S13	W65	4484	05	5.4	10	SN					.2	D	
0134		10	08144	08192	0830	N04	E31	4481	05	12.7	16	SF			65	.8	DE		
	URUM	10	0814	0819	0830	N04	E31	4481	05	12.7	16	SF		C	110	1.3	D		
	ISTA	10	0818		0821	N04	E31	4481	05	12.7	3	SN					.2	D	
	HTPR	10	0818	0821	0840	N04	E31	4481	05	12.7	22	SF		C	0821	20	.2	E	
0135		10	08171	08183	0827	N03	E25	4480	05	12.2	10	SN	C 1.4		32	.3	E		
	HTPR	10	0817	0818	0827	N04	E23	4480	05	12.1	10	SF		C	0818	20	.2	E	
	LEAR	10	0817	0820	0831	N02	E25	4480	05	12.2	14	SB	C 1.4	3	C	45			
	ISTA	10	0818		0824	N04	E25	4480	05	12.2	6	SN	C 1.4					E	
	ATHN	10	0818E	0821	0827	N03	E27	4480	05	12.4	90	SB		2	Y	0821	32	.4	
0136		10	08398	08494	0858	N03	E24	4480	05	12.1	19	SB			62	.7	DE		
	URUM	10	0839	0849	0859	N02	E24	4480	05	12.1	20	SN		C	94	1.1	D		
	PURP	10	0844	0850	0857	N03	E25	4480	05	12.2	13	SB		C	0850	41	.5		
	HTPR	10	0847	0853	0859	N04	E23	4480	05	12.1	12	SB		C	0853	50	.6	E	
0137		10	09395	09441	0948	N06	E30	4481	05	12.6	9	SF			36	.4	D		
	URUM	10	0939	0944	0949	N06	E30	4481	05	12.6	10	SF		C	63	.8	D		
	HTPR	10	0944	0945	0948	N07	E29	4481	05	12.6	4	SF		C	0945	10	.1		
0138		10	10109	10235	1032	N08	E31	4481	05	12.7	22	SN			83	1.0	EK		
	HTPR	10	1010	1023	1034	N07	E29	4481	05	12.6	24	SN		C	1023	30	.3	EK	
	HTPR	10	1010	1028	1034	N07	E29	4481	05	12.6	24	SN		C	1023	30	.3	EK	
	URUM	10	1019	1024	1029	N10	E34	4481	05	13.0	10	1F		C	189	2.4			
0139	HTPR	10	1017	1021	1028	N15	E35		05	13.1	11	SN		C	1021	20	.2		
0140	HTPR	10	1048	1050	1052	N15	E35		05	13.1	4	SN		C	1050	10	.1		
0141		10	1054*	1105*	1146	S13	W67	4484	05	5.4	52	SN	C 1.4		59	.2	K		
	HTPR	10	1054	1119	1132	S13	W67	4484	05	5.4	38	SF		C	1119	10	.2		
	RAMY	10	1105	1105	1153	S13	W67	4484	05	5.4	48	1N		3	C	92		K	
	RAMY	10	1105	1112	1153	S13	W67	4484	05	5.4	48	SN	C 1.4	3	C	76		K	
0142		10	11053	1109	1122	N08	E28	4481	05	12.6	17	SN			62	.3			
	RAMY	10	1105	1109	1130	N07	E28	4481	05	12.5	25	SN		3	C	95			
	HTPR	10	1108	1109	1115	N08	E27	4481	05	12.5	7	SF		C	1109	30	.3		

H - ALPHA SOLAR FLARES

125
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																(10 ⁻⁶ Disk)	Corr (Sq Dag)		
0143	RAMY	10	1153	1207	1220	N07	E28	4481	05	12.6	27	SF	3	C		56			
0144	RAMY	10	1201	1216	1218	S13	W67	4484	05	5.4	17	SF	3	C		18			
0145		10	1313*	1413	1422	S12	W68	4484	05	5.4	69	SN				28	.9	E	
	HTPR	10	1313		1525D	S13	W68	4484	05	5.4	132D	SN		C	1333	40	.9	E	
	HOLL	10	1413	1413	1422	S12	W69	4484	05	5.4	9	SF	3	C		15			
0146	HTPR	10	1339	1340	1344	N02	E21	4480	05	12.1	5	SN		C	1340	30	.3		
0147		10	1423*	1423*	1437	N07	E29	4481	05	12.8	14	SF				45	.2		
	HTPR	10	1423	1423	1425	N09	E33	4481	05	13.1	2	SF		C	1423	20	.2		
	HOLL	10	1432	1432	1437	N07	E26	4481	05	12.5	5	SN	3	C		49			
	HOLL	10	1441	1443	1449	N06	E27	4481	05	12.6	8	SF	3	C		66			
0148		10	14555	15003	1514	N06	E26	4481	05	12.6	19	SN	C 1.9			40	.3	F	
	HOLL	10	1455	1500	1514	N06	E27	4481	05	12.6	19	SN	C 1.9	3	C	51		F	
	HTPR	10	1500	1503	1513	N07	E25	4481	05	12.5	13	SN		C	1503	30	.3		
0149		10	1529	1530*	1644D	N09	E29	4481	05	12.8	750	1N	C 4.9			148		EFK	
	RAMY	10	1529	1530	1644D	N09	E29	4481	05	12.8	750	SF		3	C	60		K	
	RAMY	10	1529	1552	1644D	N09	E29	4481	05	12.8	750	1B	C 4.9	3	C	237		FEK	
0150	RAMY	10	1547	1550	1601	S13	W71	4484	05	5.3	14	SF	3	C		16			
		10	1615		1650	No Flare Patrol													
0151		10	1720	1723*	1826	N03	E21	4480	05	12.3	66	2B	M 4.7			598		EFK	
	HOLL	10	1720	1723	1826	N03	E21	4480	05	12.3	66	2B		3	C	661		K	
	HOLL	10	1720	1751	1826	N03	E21	4480	05	12.3	66	2B	M 4.7	3	C	536		FEK	
0152		10	1721	1724*	1810	N06	E26	4481	05	12.7	49	1B	M 4.7			413		EFK	
	PALE	10	1721	1724	1810	N07	E27	4481	05	12.7	49	2B		3	C	579		FEK	
	PALE	10	1721	1752	1810	N07	E27	4481	05	12.7	49	1B	M 4.7	3	C	270		K	
	RAMY	10	1723E	1724	1815D	N05	E25	4481	05	12.6	52D	2B		3	C	736		FEK	
	RAMY	10	1723E	1808	1815D	N05	E25	4481	05	12.6	52D	SF		3	C	67		K	
0153	PALE	10	1735	1738	1754	S04	E14	4480	05	11.8	19	SF	3	C		29			
		10	1912		1945	No Flare Patrol													
		10	1957		2002	No Flare Patrol													
		10	2007		2025	No Flare Patrol													
		10	2031		2051	No Flare Patrol													
0154		10	2052E	2053	2152	N08	E28	4481	05	13.0	6CD	SN				44		F	
	RAMY	10	2052E	2053	2102D	N08	E27	4481	05	12.9	10D	SN	2	C		50		F	
	HOLL	10	2131E	2140U	2152	N07	E30	4481	05	13.1	21D	SF	3	C		37		F	
	10	2109		2117	No Flare Patrol														
0155		10	2216	22198	2231	N07	E25	4481	05	12.8	15	SN	C 1.9			55		FK	
	PALE	10	2203E	2219	2231	N07	E24	4481	05	12.7	28D	SF	3	C		78		K	
	PALE	10	2203E	2227	2231	N07	E24	4481	05	12.7	28D	SN	C 1.9	3	C	30		FK	
	HOLL	10	2216	2227	2231	N06	E26	4481	05	12.9	15	SN	C 1.9	3	C	56		F	
0156	HOLL	10	2320	2322	2328	N07	E22	4481	05	12.6	8	SF	3	C		36			
0157	ABST	11	0448	0458	0515	N10	E30	4485A	05	13.4	27	SN		C	0458	131	1.5	E	
0158		11	0536I	0537I	0542	N06	E16	4481	05	12.4	6	SN				68	.7	DJV	
	CULG	11	0536	0537	0540	N05	E16	4481	05	12.4	4	SN		C	0537	50	.5	J	
	ABST	11	0537	0538	0545	N06	E16	4481	05	12.4	8	SN		C	0538	87	.9	DV	
0159		11	0729	0732	0800	N03	E12	4480	05	12.2	31	1N	M 1.8			343	3.6	E	
	ATHN	11	0728E	0732	0751	N03	E12	4480	05	12.2	23D	1B	2	V	0732	398	4.2		
	BUCA	11	0729	0732	0808	N03	E12	4480	05	12.2	39	1N	M 1.8	C	0732	430	4.5	E	
	KHAR	11	0750E		0820D	N03	E13	4480	05	12.3	30D	1N		P	0756	200	2.1	E	

126
May 84

H - ALPHA SOLAR FLARES

MAY 1984

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)	
0160	PURP	11	0731E	0736	0805	N06	E13	4481	05	12.3	34D	1B			C	0736	303	3.2	
0161	KHAR	11	0750E		0820D	S10	W85	4484	05	4.9	30D	SN			V	0807			DH
0162		11	0820E	0822E	0855	N09	E28	4481	05	13.4	35	SN					35	.4	D
	URUM	11	0820	0822	0825D	N09	E28	4481	05	13.4	5D	SN			P		16	.2	
	BUCA	11	0822	0824	0855	N09	E28	4481	05	13.4	33	SF			C	0824	54	.6	D
0163		11	0926	0933	1016	N03	E12	4480	05	12.3	50	SN					56	.6	
	ATHN	11	0926	0933	0946	N03	E11	4480	05	12.2	20	SF		2	V	0933	32	.3	
	ATHN	11	0934E	1036D	1045	N03	E12	4480	05	12.3	71D	SN		2	V	1036	80	.8	
0164		11	1047I	1048	1106	N06	E22	4481	05	13.1	19	SB	M 1.1				164	1.8	EF
	ATHN	11	1047	1048	1052	N06	E21	4481	05	13.0	5	SB		2	V	1048	159	1.8	
	RAMY	11	1048	1048	1120	N07	E22	4481	05	13.1	32	SB	M 1.1	3	C		170		FE
0165		11	1516	1518E	1532	N09	E24	4481	05	13.4	16	SB					103		K
	RAMY	11	1516	1518	1532	N09	E24	4481	05	13.4	16	SN		3	C		43		K
	RAMY	11	1516	1526	1532	N09	E24	4481	05	13.4	16	SB		3	C		163		K
		11	1905		1912	No Flare Patrol													
0166		11	1923*	1929*	2007	N06	E10	4481	05	12.5	44	SN	C 2.0				69		FK
	HOLL	11	1923	1929	2002	N04	E07	4481	05	12.3	39	SF		3	C		55		K
	HOLL	11	1923	1951	2002	N04	E07	4481	05	12.3	39	SN	C 2.0	3	C		98		FK
	PALE	11	1944E	1948U	2000	N08	E17	4481	05	13.1	16D	SN	C 2.0	3	C		61		F
	HOLL	11	2002	2011	2025	N06	E11	4481	05	12.6	23	SF		3	C		63		
0167		11	2026*	2031*	2148	N05	E09	4481	05	12.5	82	1N	C 7.2				245		FKU
	PALE	11	2026	2031	2143	N04	E06	4481	05	12.3	77	SF		3	C		32		K
	PALE	11	2026	2051	2143	N04	E06	4481	05	12.3	77	1N	C 7.2	3	C		447		FK
	HOLL	11	2027	2037	2154	N05	E09	4481	05	12.5	87	1N		3	C		234		K
	HOLL	11	2027	2052	2154	N05	E09	4481	05	12.5	87	1N	C 7.2	3	C		480		UFK
	PALE	11	2145	2147	2149	N09	E16	4481	05	13.1	4	SN		3	C		31		
0168	PALE	11	2201	2203	2205	N04	E11	4481	05	12.7	4	SF		3	C		51		
0169		12	0005*	0005*	0018	N06	E13	4481	05	13.0	13	SN	C 1.8				37	.3	F
	LEAR	12	0005	0005	0009	N07	E15	4481	05	13.1	4	SN		3	C		23		
	PALE	12	0005	0005	0012	N07	E15	4481	05	13.1	7	SF		3	C		34		
	HOLL	12	0005	0005	0014	N08	E15	4481	05	13.1	9	SN		3	C		31		
	MANI	12	0012	0017	0025D	N07	E11	4481	05	12.8	13D	SN		1	V		30	.3	F
	HOLL	12	0016	0017	0029	N05	E10	4481	05	12.7	13	SB	C 1.8	3	C		40		F
	PALE	12	0016	0017	0029	N05	E11	4481	05	12.8	13	SN	C 1.8	3	C		66		F
0170	PALE	12	0103	0107	0122	N05	E10	4481	05	12.8	19	SF		3	C		29		F
0171	PALE	12	0144	0145	0146	N09	E13	4481	05	13.0	2	SF		3	C		21		
0172	LEAR	12	0315	0318	0323	N07	E14	4481	05	13.2	8	SF		3	C		58		F
0173		12	0354	0354I	0403	N10	E10	4481	05	12.9	9	SN	C 1.1				49		FU
	LEAR	12	0354	0354	0403	N10	E11	4481	05	13.0	9	SN	C 1.1	3	C		44		UF
	PALE	12	0354	0355	0403	N10	E10	4481	05	12.9	9	SF	C 1.1	3	C		54		F
0174		12	0528E	0537*	0606	N03	W00	4480	05	12.2	38	1B	M 1.3				412	4.6	EFT
	CULG	12	0528	0539	0601	N04	E00	4480	05	12.2	33	1B			P	0539	400	4.0	E
	URUM	12	0531	0537	0557	N03	W00	4480	05	12.2	26	2B			C		786	8.1	
	LEAR	12	0532	0542U	0619	N02	W02	4480	05	12.1	47	1B	M 1.3	3	C		200		F
	ABST	12	0533	0540	0614D	N02	E01	4480	05	12.3	41D	1N			P	0540	436	4.5	FT
	HTPR	12	0534E		0548D	N04	E01	4480	05	12.3	14D	1B			C	0540	300	3.0	E
	MTRK	12	0546E	0548	0619D	N03	W02	4480	05	12.1	33D	1N			C	0548	350	3.6	E
0175	HPR	12	0854	0857	0905	N01	W12	4480	05	11.5	11	SF			C	0857	20	.2	E
0176		12	0907	0909	0920	N03	W02	4480	05	12.2	13	SN					34	.4	E
	HPR	12	0907	0909	0916	N02	W04	4480	05	12.1	9	SF			C	0909	20	.2	E
	ATHN	12	0910E	0913D	0924	N04	W01	4480	05	12.3	14D	SN		2	V	0913	48	.5	

H - ALPHA SOLAR FLARES

127
May 84

MAY 1984

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)	
0177	KHAR	12	0920E		0927D	S11	W90	4484	05	5.6	7D	SF		V		0920			H
0178		12	10051	10083	1032	N02	W04	4480	05	12.1	27	1B					412	4.3	
	CATA	12	1005	1010	1040	N03	W03	4480	05	12.2	35	1		2	C	1010	337	3.5	
	KHAR	12	1006E	1008	1040D	N02	W05	4480	05	12.0	34D	1B			P	1008			
	URUM	12	1006	1011	1024	N02	W03	4480	05	12.2	18	1N			C		487	5.1	
0179	ATHN	12	1007	1009	1026	N13	W10	4483A	05	11.7	19	SB		2	V	1009	111	1.2	
0180		12	1257*	1258*	1337	N03	W03	4480	05	12.3	40	SB C 2.2					104	1.3	HS
	RAMY	12	1257	1258	1317	N02	W04	4480	05	12.2	20	SB C 2.2		3	C		141		HS
	ATHN	12	1257	1259	1348	N03	W02	4480	05	12.4	51	SB		2	V	1259	127	1.3	
	RAMY	12	1334	1338	1347	N04	W04	4480	05	12.3	13	SN		3	C		44		
0181	RAMY	12	1351	1352	1401	N09	E05	4481	05	12.9	10	SF		3	C		28		
0182		12	14221	1423	1433	N04	W02	4481	05	12.4	11	SB C 2.1					68		EFH
	RAMY	12	1422	1423	1435	N04	W04	4481	05	12.3	13	SB C 2.1		3	C		81		EFH
	HOLL	12	1423	1423	1431	N05	E00	4481	05	12.6	8	SN C 2.1		3	C		54		F
0183	HOLL	12	1539	1544	1617	N04	W04	4481	05	12.3	38	SF		3	C		50		F
0184	RAMY	12	1650	1659	1709	N02	W06	4480	05	12.2	19	SF		3	C		110		F
0185		12	1652*	1657*	1723	N06	W01	4481	05	12.6	31	SF C 1.0					54		FK
	HOLL	12	1652	1659	1732	N06	W00	4481	05	12.7	40	SF		3	C		58		K
	HOLL	12	1652	1711	1732	N06	W00	4481	05	12.7	40	SN C 1.0		3	C		48		FK
	PALE	12	1655	1657	1704	N09	E04	4481	05	13.0	9	SF		3	C		71		F
	RAMY	12	1710	1711	1734	N04	W06	4481	05	12.3	24	SN C 1.1		3	C		67		F
	PALE	12	1711	1711	1716	N04	W05	4481	05	12.3	5	SF C 1.1		3	C		26		F
0186		12	18473	18491	1859	N04	W06	4481	05	12.3	12	SF					32		
	PALE	12	1847	1849	1859	N04	W05	4481	05	12.4	12	SF		3	C		40		
	RAMY	12	1850	1850	1853D	N03	W06	4481	05	12.3	3D	SF		3	C		25		
0187		12	1902*	19133	1918	N04	W06	4481	05	12.3	16	SF					34		F
	PALE	12	1902	1916	1919	N03	W07	4481	05	12.3	17	SF		3	C		43		
	HOLL	12	1912	1913	1918	N04	W06	4481	05	12.3	6	SF		3	C		24		F
0188		12	19261	1927	1934	N08	E04	4481	05	13.1	8	SF					42		F
	PALE	12	1926	1927	1933	N07	E04	4481	05	13.1	7	SF		3	C		49		F
	HOLL	12	1927	1927	1936	N08	E03	4481	05	13.0	9	SF		3	C		34		F
0189	HOLL	12	2056	2057	2123	N09	E02	4481	05	13.0	27	SF		3	C		35		F
0190	RAMY	12	2133	2133	2154	N05	W06	4481	05	12.4	21	SF		3	C		76		F
0191		12	2314	2323	2334	N04	W09	4480	05	12.3	20	SF C 2.0					55	.6	F
	CULG	12	2303E	2303U	2304D	N03	W09	4480	05	12.3	1D	SF			P	2303	60	.6	
	HOLL	12	2314	2323	2334	N04	W09	4480	05	12.3	20	SF C 2.0		3	C		50		F
0192	HOLL	12	2340	2409	2428	N04	W09	4481	05	12.3	48	SF		3	C		192		F
0193		13	0039	0040	0054	N04	W10	4481	05	12.3	15	SB					30	.2	
	MAN I	13	0020E	0040	0054	N04	W10	4481	05	12.3	34D	SN		1	V		25	.2	
	HOLL	13	0039	0041U	0041D	N04	W09	4481	05	12.3	2D	SB		3	C		36		
0194	RAMY	13	1113	1116	1129	N05	W12	4481	05	12.6	16	SF		3	C		60		
0195	RAMY	13	1121	1124	1132	S12	W07	4485	05	12.9	11	SF		3	C		37		
0196	RAMY	13	1137	1139	1149	N04	W10	4481	05	12.7	12	SF		3	C		34		F
0197	RAMY	13	1303	1305	1320	N09	W01	4481	05	13.5	17	SF		3	C		40		F
0198		13	1423	1426	1439	N08	W06	4481	05	13.1	16	SN C 1.6					83		FU
	RAMY	13	1423	1426	1452D	N08	W07	4481	05	13.1	29D	SN C 1.6		3	C		96		UF
	HOLL	13	1426E	1426U	1439	N07	W06	4481	05	13.1	13D	SF C 1.6		3	C		70		F

H - ALPHA SOLAR FLARES

MAY 1984

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)			
0199	HOLL	13	1554	1556	1605	N06	W11	4481	05	12.8	11	SF	3	C		24				
0200		13	1742*	17507	1810	N06	W15	4481	05	12.6	28	SF C 1.9				32			F	
	HOLL	13	1742	1750	1817	N05	W17	4481	05	12.5	35	SF C 1.9	3	C		77			F	
	PALE	13	1756	1757	1804	N07	W13	4481	05	12.8	8	SF	3	C		27			F	
0201		13	2013	20172	2022	N06	W17	4481	05	12.6	9	SF				56			F	
	HOLL	13	2013	2017	2023	N06	W17	4481	05	12.6	10	SF	3	C		54			F	
	PALE	13	2013	2019	2022	N05	W17	4481	05	12.6	9	SF	3	C		58				
0202	PALE	14	0024	0024	0050	N06	W16	4481	05	12.8	26	SF	3	C		32			F	
		14	0259		0303	No Flare Patrol														
		14	0318		0319	No Flare Patrol														
0203	CULG	14	0553	0556	0601	N04	W23	4481	05	12.5	8	SN		C	0557	80	.8			
0204	ABST	14	0554	0554	0610	S07	W29	4485	05	12.1	16	SN		C	0554	87	1.0	DV		
0205	ABST	14	0554	0555	0605	S04	W24	4480	05	12.4	11	SN		C	0555	87	.9	DV		
0206	ABST	14	0626	0628	0645	S04	W24	4480	05	12.5	19	SF		C	0628	87	.9	D		
0207		14	1617*	16491	1654	N04	W30	4481	05	12.4	37	SN				106			F	
	HOLL	14	1617	1650	1700C	N04	W31	4481	05	12.4	43D	SN	3	C		164			F	
	RAMY	14	1647	1649	1654	N04	W29	4481	05	12.5	7	SN	3	C		47				
0208		14	17591	1803*	1910	N04	W32	4481	05	12.3	71	1B C 3.4				224			EFK	
	PALE	14	1759	1803	1904	N03	W32	4481	05	12.3	65	SN C 3.4	3	C		182			K	
	RAMY	14	1759	1803	1927	N04	W32	4481	05	12.3	88	1N C 3.4	3	C		218			K	
	PALE	14	1759	1813	1904	N03	W32	4481	05	12.3	65	1N C 1.1	3	C		265			FK	
	RAMY	14	1759	1815	1927	N04	W32	4481	05	12.3	88	1B C 1.1	3	C		296			K	
	HOLL	14	1800	1803	1858	N04	W31	4481	05	12.4	58	SB C 3.4	3	C		143			FEK	
	HOLL	14	1800	1818	1858	N04	W31	4481	05	12.4	58	1B C 1.1	3	C		239			K	
0209		14	20495	2054	2101	N06	W22	4481	05	13.2	12	SF				64			F	
	HOLL	14	2049	2054	2111D	N06	W21	4481	05	13.3	22D	SF	3	C		104				
	PALE	14	2054	2054	2101	N06	W22	4481	05	13.2	7	SF	3	C		25			F	
0210		14	2217E	2220	2238	N05	W31	4481	05	12.6	21D	SN C 3.6				60	.6		F	
	CULG	14	2217E	2218U	2219D	N05	W32	4481	05	12.5	2D	SF		P	2218	60	.6		F	
	PALE	14	2217E	2223U	2239	N04	W32	4481	05	12.5	22D	SN C 3.6	3	C		46			F	
	HOLL	14	2219E	2220	2237	N05	W30	4481	05	12.7	18D	SB C 3.6	3	C		73			F	
0211		14	2312	23162	2328	N08	W21	4481	05	13.4	16	SN C 2.4				126	1.5		F	
	CULG	14	2312	2316	2326	N08	W21	4481	05	13.4	14	SN		C	2316	140	1.5		F	
	PALE	14	2312	2318	2330	N07	W21	4481	05	13.4	18	SN C 2.4	3	C		111			F	
0212	PALE	15	0102	0102	0110	N07	W22	4481	05	13.4	8	SN C 1.9	3	C		49			F	
0213		15	02138	02221	0241	N07	W26	4481	05	13.1	28	1N C 4.8				302	3.6		EF1	
	URUM	15	0213	0223	0238	N07	W23	4481	05	13.4	25	2B		C		550	6.3			
	PALE	15	0220	0222	0244	N08	W24	4481	05	13.3	24	1B C 4.8	3	C		258			FE	
	MANI	15	0221	0223	0237D	N06	W33	4481	05	12.6	16D	1N	1	Y		189	2.1		F	
	CULG	15	0229E	0229U	0242	N08	W25	4481	05	13.2	13D	1F		P	0229	210	2.3		F	
0214		15	02302	02341	0242	S14	E71	4490	05	20.5	12	1F				94				
	CULG	15	0230	0235	0245	S14	E71	4490	05	20.5	15	1F		C	0235	100				
	PALE	15	0232	0234	0240	S14	E71	4490	05	20.5	8	SF	3	C		89				
0215		15	04501	04555	0523	N04	W37	4481	05	12.4	33	2N				428	5.5		EU	
	ABST	15	0450	0455	0535	N04	W40	4481	05	12.2	45	1N		C	0455	448	4.7		E	
	URUM	15	0450	0500	0524	N04	W35	4481	05	12.6	34	2N		C		472	6.0		E	
	PEKG	15	0451	0456	0510	N03	W38	4481	05	12.4	19	2N		C	0456	652	8.5		EU	
	CULG	15	0455E	0457U	0457D	N05	W36	4481	05	12.5	2D	1N		P	0457	240	2.8			
0216		15	0635	0640	0705	N04	W34	4481	05	12.7	30	SN				54	.7		D	
	BUCA	15	0635	0640	0716	N04	W34	4481	05	12.7	41	SN		C	0640	54	.7		D	
	KANZ	15	0647E	0647U	0654	N05	W35	4481	05	12.7	7D	SF	1							

H - ALPHA SOLAR FLARES

129
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Du (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
						Lat	Cmd Region							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0217		15	0718*	0739	0746	S16	E68 4490	05 20.5	28	1N					84	3.0	D
	WEND	15	0718	0739	0745	S16	E63 4490	05 20.1	27	1N		C	0739		125	3.0	
	BUCA	15	0737	0739	0746	S16	E72 4490	05 20.8	9	SN		C	0739		43		D
0218	URUM	15	0955	1000	1005	N04	W37 4481	05 12.6	10	SN			C		31	.4	
0219	RAMY	15	1229	1232	1239	S14	E64 4490	05 20.3	10	SF		3	C		88		
0220	RAMY	15	1559	1603	1615	N08	W34 4481	05 13.1	16	SN		3	C		30		
0221	RAMY	15	1613	1615	1624	S13	E63 4490	05 20.4	11	SN		3	C		90		
0222		15	1619	1630	1642	N08	W36 4481	05 13.0	23	SN	C 1.1				42		
	RAMY	15	1619	1630	1630D	N08	W34 4481	05 13.1	11D	SB	C 1.1	3	C		53		
	PALE	15	1636E	1636U	1642	N08	W37 4481	05 12.9	6D	SF	C 1.1	3	C		28		
0223		15	1659I	1704	1732	N04	W43 4481	05 12.5	33	1B	C 4.9				226		EF
	RAMY	15	1659	1704	1734	N04	W43 4481	05 12.5	35	1B	C 4.9	3	C		215		FE
	PALE	15	1700	1704	1731	N03	W43 4481	05 12.5	31	1B	C 4.9	3	C		238		FE
0224	PALE	15	1758	1806	1815	N04	W46 4481	05 12.3	17	SF		3	C		33		
0225	RAMY	15	1855	1922	1923	N03	W47 4481	05 12.3	28	SF		3	C		54		
		15	2004		2031	No Flare Patrol											
		15	2057		2104	No Flare Patrol											
02.5		16	00354	00433	0052	N03	W48 4481	05 12.4	17	1N					177	2.8	F
	CULG	16	0035	0043	0052	N03	W47 4481	05 12.5	17	SN			C	0043	70	1.0	
	PURP	16	0036	0046	0052	N04	W47 4481	05 12.5	16	SN			C	0046	83	1.3	
	PEKG	16	0039	0044	0050D	N03	W49 4481	05 12.4	11D	2N			P	0044	378	6.0	F
0227		16	0108	0109I	0124	N04	W47 4481	05 12.5	16	SN	C 1.8				104	1.7	DEFJ
	CULG	16	0108	0110	0116	N03	W47 4481	05 12.5	8	SN			C	0110	60	.9	
	VORO	16	0109E		0115D	N05	W47 4481	05 12.5	6D	SN			C	0114	90	1.3	DJ
	PEKG	16	0109E	0109	0115D	N03	W49 4481	05 12.4	6D	1N	C 1.8		P	0109	189	3.0	E
	PALE	16	0117E	0117U	0132	N03	W46 4481	05 12.6	15D	SF	C 1.8	3	C		78		F
0228	PEKG	16	0129E	0129	0134	S13	W41 4485	05 13.0	5D	SF			P	0129	118	1.6	E
0229	PEKG	16	0208	0211	0217	S13	W40 4485	05 13.1	9	SN			C	0211	67	.9	E
0230		16	0311E	0311*	0346D	N06	W50 4481	05 12.4	35D	SN					67	1.1	DE
	PEKG	16	0311E	0311	0321D	N06	W49 4481	05 12.5	10D	SF			P	0311	50	.8	D
	PEKG	16	0336E	0336	0346D	N06	W51 4481	05 12.3	10D	SN			P	0336	84	1.4	E
0231		16	0513	05153	0524	N04	W49 4481	05 12.5	11	1N					108	1.7	E
	PEKG	16	0513	0515	0525	N04	W49 4481	05 12.5	12	1N			C	0515	181	2.8	E
	PURP	16	0513	0518	0524	N05	W49 4481	05 12.5	11	SF			C	0518	34	.6	
0232		16	0525E	0528	0538	S14	W41 4485	05 13.1	13D	SN					52	.8	F
	CULG	16	0525E	0528	0535D	S15	W42 4485	05 13.0	10D	SN			P	0528	50	.7	F
	PURP	16	0529E	0536U	0538	S13	W40 4485	05 13.2	9D	SN			C	0536	55	.8	
0233	KHAR	16	0754E	0756	0801D	N05	W50 4481	05 12.6	7D	SF			P	0756			CDI
0234		16	0904	0908	0919	N08	W53 4481	05 12.4	15	SF					109	1.9	DEI
	PEKG	16	0904	0908	0919	N06	W53 4481	05 12.4	15	SF			C	0908	109	1.9	E
	KHAR	16	0907E	0908	0915D	N09	W53 4481	05 12.4	8D	SF			V	0908			DI
		16	0959		1004	No Flare Patrol											
		16	1030		1039	No Flare Patrol											
0235		16	1208	1210I	1219	N04	W52 4481	05 12.6	11	SB	C 1.7				110	1.8	
	ATHN	16	1208	1210	1219	N04	W53 4481	05 12.5	11	SN		1	V	1210	111	1.8	
	RAMY	16	1208	1211	1219	N03	W52 4481	05 12.6	11	SB	C 1.7	3	C		109		
0236		16	1328I	13292	1352D	S12	E50 4490	05 20.3	24D	1B	C 1.9				225		F
	RAMY	16	1328	1331	1333D	S12	E51 4490	05 20.4	5D	1B	C 1.9	3	C		225		F
	KANZ	16	1329	1329	1352D	S11	E50 4490	05 20.3	23D	1N		2					F

130
May 84

H - ALPHA SOLAR FLARES

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Area Measurement			Remarks		
								USAF Region					Mo	Day	(Min)		Opt	Xray
0237	RAMY	16	2015	2019	2031D	S14	E11	4487	05	17.7	120	SF	3	C		34		
0238		16	2332	2337	2342	S11	E46	4490	05	20.4	10	SN				56	1.1	H
	CULG	16	2332	2337	2342	S10	E47	4490	05	20.5	10	SN		C	2337	80	1.1	H
	PALE	16	2336	2337	2342	S12	E46	4490	05	20.4	6	SF	3	C		32		
0239	PALE	17	0035	0035	0045	S14	E07	4487	05	17.7	10	SF	3	C		22		F
0240	PALE	17	0122	0125	0129	N09	W57	4481	05	12.8	7	SF	3	C		24		F
0241	CULG	17	0225	0234	0240	S12	E43	4490	05	20.3	15	SF		C	0234	80	1.1	H
0242	PEKG	17	0226	0228	0230	N06	W59	4481	05	12.7	4	SF		C	0228	34	.6	D
0243	ABST	17	0433	0433	0445	N01	W69	4481	05	12.0	12	IN		C	0435	175		E
0244	BUCA	17	0822	0830	0836	N07	W63	4481	05	12.6	14	SN		C	0830	43	.9	D
0245		17	1240	1241*	1304	N08	W62	4481	05	12.9	24	SN	C	1.2		24		K
	RAMY	17	1240	1241	1304	N08	W62	4481	05	12.9	24	SF		C	3	21		K
	RAMY	17	1240	1256	1304	N08	W62	4481	05	12.9	24	SN	C	1.2	3	28		K
0246		17	1307	1313*	1414	N05	W60	4481	05	13.0	67	SF				30		K
	RAMY	17	1307	1313	1414	N05	W60	4481	05	13.0	67	SF		C	3	21		K
	RAMY	17	1307	1408	1414	N05	W60	4481	05	13.0	67	SF		C	3	39		K
0247	RAMY	17	1442	1443	1614	N05	W60	4481	05	13.1	92	SN	C	2.0	3	15		
0248		17	1621	1634	1642	N04	W68	4481	05	12.6	21	SF	C	1.7		24		
	HOLL	17	1621	1629U	1645	N04	W66	4481	05	12.7	24	SF	C	1.7	3	22		
	RAMY	17	1627	1634	1640	N03	W69	4481	05	12.5	13	SF	C	1.7	3	25		
0249		17	1715	1715	1730	S13	E35	4490	05	20.3	15	SF				21		
	HOLL	17	1715	1715	1730	S14	E35	4490	05	20.4	15	SF		C	3	21		
	RAMY	17	1717E		1719D	S12	E35	4490	05	20.3	20	SF		C	3			
0250	HOLL	17	1746	1747	1757	S12	E87	4492	05	24.3	11	SF		C	3	7		
0251	HOLL	17	1802	1802	1819	S12	E88	4492	05	24.4	17	SF		C	3	8		
		17	1805		1815	No Flare Patrol												
		17	1821		1902	No Flare Patrol												
0252	HOLL	17	1909	1910	1917	S12	E87	4492	05	24.3	8	SF		C	3	7		
0253	HOLL	17	1954	2008	2023	S12	E85	4492	05	24.2	29	SF		C	3	19		
0254	HOLL	17	2008	2008	2014	S14	E36	4490	05	20.5	6	SF		C	3	22		
0255		17	2249	2250*	2309	S13	E32	4490	05	20.4	20	SN	C	1.7		40	.6	DF
	CULG	17	2249	2252	2305	S12	E31	4490	05	20.3	16	SF			2252	50	.6	F
	HOLL	17	2250	2250	2300D	S14	E32	4490	05	20.4	10D	SN	C	1.7	3	31		
	PALE	17	2250	2258	2313	S12	E32	4490	05	20.4	23	SF	C	1.7	3	22		
	PEKG	17	2302E	2302	2310	S13	E33	4490	05	20.4	8D	SN		P	2302	59	.7	D
0256		18	0400	0402	0408	N06	W72	4481	05	12.8	8	SF				40		DE
	PEKG	18	0400	0402	0406	N04	W75	4481	05	12.5	6	SF		C	0402	29		D
	PEKG	18	0400	0402	0409	N09	W68	4481	05	13.1	9	SF		C	0402	50		E
0257		18	0433*	0434*	0442	N07	W73	4481	05	12.7	9	SF				51		DE
	PEKG	18	0433	0434	0441	N10	W76	4481	05	12.5	8	SF		C	0434	59		E
	LEAR	18	0433	0434	0442	N07	W68	4481	05	13.1	9	SF		C	3	30		
	PEKG	18	0444	0447	0449D	N04	W76	4481	05	12.5	5D	SF		P	0447	63		D
0258	PEKG	18	0502	0505	0510	N09	W65	4481	05	13.3	8	SF		C	0505	29		D
0259	PEKG	18	0534	0535	0540	N06	W74	4481	05	12.7	6	SN		C	0535	25		D

H - ALPHA SOLAR FLARES

131
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs Sea Type	Time (UT)	Area Measurement		Remarks	
														Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0260	PEKG	18	0534E	0535	0540	S10	E79	4492	05 24.2	6D	SF		C	0535	17		D
0261		18	06073	06102	0614	N09	W75	4481	05 12.6	7	1N				60		D
	ABST	18	0607	0610	0612	N07	W77	4481	05 12.5	5	1N		C	0610	87		D
	BUCA	18	0610	0612	0615	N11	W73	4481	05 12.8	5	SN		C	0612	32		D
0262	ABST	18	0629	0635	0638	N06	W77	4481	05 12.5	9	1F		P	0635	87		D
0263		18	07305	07355	0749	S12	E88	4492	05 24.9	19	SN				70		A
	PEKG	18	0730	0735	0749	S11	E90	4492	05 25.1	19	SN		C	0735	84		A
	KANZ	18	0731	0735U	0735D	S11	E80	4492	05 24.3	4D	SN	1					
	LEAR	18	0734	0740	0742	S11	E90	4492	05 25.1	8	SN	3	C		14		
	CATA	18	0735	0740	0755	S14	E90	4492	05 25.1	20	1	2	C	0740	112		
YUNN	18	0737E	0740	0751	S12	E90	4492	05 25.1	14D			P				A	
0264	PEKG	18	0835	0840	0847	S13	E27	4490	05 20.4	12	SF		C	0840	50	.6	E
0265	YUNN	18	0854E	0855	0905D	S12	E90	4492	05 25.1	11D			P				A
0266	PEKG	18	0910E	0910	0914	N06	W76	4481	05 12.7	4D	SN		C	0910	34		D
0267	PEKG	18	0910E	0910	0918	S15	W12	4487	05 12.5	8D	SN		P	0910	71	.8	E
0268	ATHN	18	1040E	1043	1045	N08	W85	4481	05 12.1	5D	1N	2	V	1043	80		
0269	RAMY	18	1119	1157	1238	S09	E79	4492	05 24.4	79	SF	3	C		29		
0270	RAMY	18	1152	1152	1210	N06	W77	4481	05 12.7	18	SN	3	C		16		
0271	RAMY	18	1336	1338	1353	S10	E72	4492	05 24.0	17	SN	3	C		12		
0272	HOLL	18	1423	1434	1503	S12	E72	4492	05 24.0	40	SF	3	C		39		
0273	RAMY	16	1546	1549	1559	N07	W74	4481	05 13.1	13	SF	3	C		16		
0274		18	16138	1613*	1627	N10	W79	4481	05 12.7	14	SF				36		
	HOLL	18	1613	1613	1617	N11	W80	4481	05 12.6	4	SF	3	C		26		
	RAMY	18	1614E		1624	N09	W82	4481	05 12.5	10D	SF	3	C		16		
	HOLL	18	1621	1635	1641	N10	W74	4481	05 13.1	20	SF	3	C		67		
0275		18	1614*	1614*	1637	S12	E71	4492	05 24.0	23	SF				9		
	HOLL	18	1614	1614	1623	S12	E71	4492	05 24.0	9	SF	3	C		7		
	HOLL	18	1624	1624	1651	S12	E71	4492	05 24.0	27	SF	3	C		11		
0276	HOLL	18	1647E	1654	1708	N10	W72	4481	05 13.3	21D	SF	3	C		15		F
0277	HOLL	18	1703	1707	1717	S12	E72	4492	05 24.1	14	SF	3	C		21		
0278	HOLL	18	1712	1720	1734	N11	W75	4481	05 13.1	22	SF	3	C		17		F
0279	HOLL	18	1723	1724	1726	S12	E87	4492	05 25.3	3	SF	3	C		5		
0280	RAMY	18	1746	1749	1757	N06	W81	4481	05 12.7	11	SF	3	C		15		F
0281	HOLL	18	1756	1757	1802	S13	E72	4492	05 24.2	6	SF	3	C		8		
0282		18	18213	1827	1833	S12	E72	4492	05 24.2	12	SF				16		
	HOLL	18	1821	1827	1833	S13	E72	4492	05 24.2	12	SF	3	C		16		
	PALE	18	1824	1827	1827D	S10	E71	4492	05 24.1	3D	SF	3	C		15		
0283	HOLL	18	1912	1913	1925	S13	E71	4492	05 24.1	13	SF	3	C		16		
0284		18	2011	20211	2044	S12	E71	4492	05 24.2	33	SN				57		
	PALE	18	2011	2022	2046	S10	E72	4492	05 24.2	35	SN	3	C		62		
	HOLL	18	2012E	2021	2041	S13	E70	4492	05 24.1	29D	SN	3	C		52		
0285		18	2042*	2042*	2102	N04	W84	4481	05 12.6	20	SF				33		K
	HOLL	18	2042	2042	2103	N05	W84	4481	05 12.6	21	SF	3	C		12		K
	HOLL	18	2042	2057	2103	N05	W84	4481	05 12.6	21	SN	3	C		45		K
	PALE	18	2053	2057	2100	N02	W84	4481	05 12.6	7	SF	3	C		42		

132
May 84

H - ALPHA SOLAR FLARES

MAY 1984

Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Area Measurement			Remarks	
														Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0286	PALE	18	2052	2057	2108	S10 E71	4492	05 24.2	16	SF		3	C		23			
0287		18	2136*	2249	2304	S11 E70	4492	05 24.2	88	SN					45		F	
	HOLL	18	2136	2249	2306	S12 E69	4492	05 24.1	90	SN		3	C		46		F	
	PALE	18	2231	2249	2301	S10 E70	4492	05 24.2	30	SN		3	C		44			
0288	HOLL	19	0041	0042	0049	N05 W82	4481	05 12.9	8	SN C	2.3	3	C		20			
0289		19	0609E	0615	0642	S14 E85	4494	05 25.7	330	1F					168			
	M.TK	19	0609E	0615	0619D	S16 E90	4494	05 26.1	100	1F			P	0615	150			
	WEND	19	0629E		0642	S11 E80	4494	05 25.3	130	SF			C	0629	185			
0290		19	0734I	0736I	0742	N06 W84	4481	05 13.0	8	SN					94		D	
	WEND	19	0734	0736	0739	N08 W83	4481	05 13.1	5	SN			C	0736	155			
	BUCA	19	0735	0737	0745	N05 W85	4481	05 12.9	10	SN			C	0737	32		D	
0291		19	0748	0750	0801	N06 W86	4481	05 12.9	13	1N M	1.0				90		E	
	BUCA	19	0748	0750	0810	N05 W85	4481	05 13.0	22	SN M	1.0		C	0750	54		E	
	ATHN	19	0749E	0750	0752	N06 W86	4481	05 12.9	30	1N		2	V	0750	127			
0292	CATA	19	1025	1025	1055	S12 E13	4490	05 20.4	30	S		2	C	1025	112	1.2		
0293		19	1042E	1105	1126	S11 E67	4492	05 24.5	440	SN					36	.6	F	
	RAMY	19	1042E	1105	1116	S11 E66	4492	05 24.4	340	SN		3	C		55		F	
	ATHN	19	1112E	1113D	1117	S10 E65	4492	05 24.3	50	SN		3	V	1113	32	.8		
	HTPR	19	1122E		1145	S12 E69	4492	05 24.7	230	SB			C	1129	20	.5		
0294	HTPR	19	1213	1217	1222	S11 E58	4492	05 23.9	9	SF			C	1217	20	.4	E	
0295	RAMY	19	1230	1231	1238	S13 E14	4490	05 20.6	8	SF		3	C		22			
0296	LVOV	19	1231	1232	1239	S14 E58	4492	05 23.9	8	1N			C	1239	200	3.7	D	
0297	RAMY	19	1349	1352	1402	S11 E60	4492	05 24.1	13	SN		3	C		18			
0298	HOLL	19	1450	1455	1504	S12 E60	4492	05 24.1	14	SF		3	C		12			
0299	HOLL	19	1553	1600	1617	S12 E70	4492	05 24.9	24	SF		3	C		19			
0300	HOLL	19	1618	1620	1632	S12 E59	4492	05 24.1	14	SF		3	C		15			
0301	KANZ	19	1618	1618	1618	S13 E09	4490	05 20.3	14	SF		1						
0302	HOLL	19	1635	1637	1651	S12 E69	4492	05 24.9	16	SF		3	C		13			
0303	HOLL	19	1731	1732	1745	S08 E82	4494	05 25.9	14	SF C	4.0	3	C		22			
0304	HOLL	19	1910	1954	2021	S12 E84	4494	05 26.1	71	SN C	2.5	3	C		23		F	
		19	1916		1929	No Flare Patrol												
0305		19	1930E	1932U	1945	S14 E10	4490	05 20.6	150	SN C	2.9				63		F	
	PALE	19	1930E	1932U	1946	S14 E10	4490	05 20.6	160	SN C	2.9	3	C		76			
	HOLL	19	1934E	1935U	1944	S15 E09	4490	05 20.5	100	SN C	2.9	3	C		50		F	
0306	HOLL	19	2030	2038	2104	S10 E68	4492	05 25.0	34	SN C	6.3	3	C		39			
0307		19	2151I	2152I	2256	S08 E65	4492	05 24.8	55	1B X	4.1				206		EFIJTZ	
	HOLL	19	2151	2152	2256	S10 E67	4492	05 24.9	65	1B X	4.1	3	C		220		ZF	
	VORO	19	2152		2213D	S08 E68	4492	05 25.0	210	1N			C	2201	242		EIJT	
	PALE	19	2152	2153	2153D	S07 E59	4492	05 24.3	10	1B		3	C		209		IE	
	PALE	19	2152	2200	2200D	S07 E67	4492	05 24.9	80	1B X	4.1	3	C		155		ZF	
0308		20	0040	00413	0105	S09 E74	4494	05 25.6	25	SF C	5.2				82		DIT	
	LEAR	20	0017E	0041	0122	S09 E79	4494	05 25.9	650	SF C	5.2	3	C		75			
	VORO	20	0040	0044	0048	S09 E58	4494	05 25.1	8	SF			C	0044	90		DIT	
0309		20	0124I	0127I	0134	S10 E65	4492	05 24.9	10	1B M	2.9				132	2.2	DIT	
	PEKG	20	0124	0128	0134	S10 E65	4492	05 24.9	10	SB M	2.9		P	0128	134		D	
	CULG	20	0125	0128	0134	S12 E64	4492	05 24.9	9	1N			C	0128	100	2.2		
	VORO	20	0125	0128	0134	S09 E68	4492	05 25.2	9	N			C	0128	134		DIT	
	LEAR	20	0126	0127	0130D	S10 E64	4492	05 24.9			1B M	2.9	3	C		239		
	PALE	20	0126	0127	0136	S09 E64	4492	05 24.9			SB M	2.9	3	C		57		
	YUNN	20	0126E	0128	0135	S10 E66	4492	05 25.0	90	1B			P		126		T	

H - ALPHA SOLAR FLARES

133
May 84

MAY 1984

Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0310		20 0250*	0252*	0318	S10	E63	4492	05	24.8	28	SB	M 4.6				98	1.6	DEFIT
	PALE	20 0246E	0300U	0301D	S08	E57	4492	05	24.4	15D	SB		3	C		129		
	PALE	20 0246E	0303U	0307D	S08	E64	4492	05	24.9	21D	SB	M 4.6	3	C		131		F
	VORO	20 0250	0252	0256	S09	E68	4492	05	25.2	6	SN			C	0252	90		DIT
	LEAR	20 0251E	0251U	0257D	S10	E57	4492	05	24.4	6D	SB		3	C		31		
	MANI	20 0251E	0300	0315D	S10	E57	4492	05	24.4	24D	SB		1	V		87	1.5	
	YUNN	20 0251	0301	0327	S11	E66	4492	05	25.1	36	1B			C		189		DT
	URUM	20 0252E	0252U	0259D	S10	E64	4492	05	24.9	7D	SN			C	0252	31	.7	D
	VORO	20 0256	0300	0311	S09	E68	4492	05	25.2	15	1B			C	0300	179		DIT
	CULG	20 0257	0301	0305	S10	E63	4492	05	24.8	8	SN			C	0301	60	1.4	
	MITK	20 0301E		0309D	S09	E65	4492	05	25.0	8D	1N			P	0301	110	2.6	E
	YUNN	20 0301	0311	0351	S13	E66	4492	05	25.1	50	SN			C		47		DT
0311		20 0407	0406	0419	S11	E65	4492	05	25.0	16	SB					55	1.8	DT
	YUNN	20 0407	0406	0419	S11	E64	4492	05	25.0	16	SB			C		79	1.8	DT
	LEAR	20 0407	0408U	0419	S11	E66	4492	05	25.1	11D	SN		2	C		31		
0312		20 0430	0435	0449	S10	E64	4492	05	25.0	19	1N					70	2.2	ET
	YUNN	20 0430	0435	0447D	S11	E64	4492	05	25.0	17D	1N			P		94	2.2	T
	MITK	20 0433E		0442D	S09	E64	4492	05	25.0	9D	1N			P	0433	100	2.3	E
	LEAR	20 0433E	0434U	0449	S11	E64	4492	05	25.0	16D	SN		2	C		15		
0313		20 0530*	0532*	0633	S11	E63	4492	05	25.0	63	1N					179	2.4	EFKT
	CULG	20 0530	0543	0554	S09	E61	4492	05	24.8	24	1N			C	0543	150	3.0	
	LEAR	20 0531		0633	S11	E63	4492	05	25.0	62	1B		3	C		156		FK
	LEAR	20 0531	0532	0633	S11	E63	4492	05	25.0	62	SB		3	C		82		K
	URUM	20 0533	0543	0658	S10	E66	4492	05	25.2	85	2N			C		299		F
	YUNN	20 0533E	0544	0611	S12	E65	4492	05	25.1	38D	2B			P		472		T
	ABST	20 0551E	0552	0609D	S11	E65	4492	05	25.1	18D	1F			P	0552	157		E
	BUCA	20 0600E	0621	0708	S10	E63	4492	05	25.0	68D	1N			C	0621	107	2.3	E
	YUNN	20 0615	0619	0630	S11	E64	4492	05	25.1	15	1N			C		126	2.9	T
	ATHN	20 0621E	0622	0636	S11	E61	4492	05	24.8	15D	SB		2	V	0622	64	1.3	
0314	KANZ	20 0813	0813	0821	S08	E68	4494	05	25.4	8	SF		1					
0315	KANZ	20 0859	0907	0911	S10	E57	4492	05	24.6	12	SF		1					
0316		20 0950	0954	0958	S10	E60	4492	05	24.9	8	SN							D
	KANZ	20 0950	0954	0958	S10	E58	4492	05	24.8	8	SN		2					
	ISTA	20 0954E		0957	S10	E61	4492	05	25.0	3D	SF							D
0317	KHAR	20 1117E	1119	1125D	S12	E61	4492	05	25.1	8D	SN			V	1119			I
0318		20 12331	1234	1238	S10	E58	4492	05	24.9	5	SN					29		
	RAMY	20 1233	1234	1238	S10	E59	4492	05	24.9	5	SN		3	C		29		
	KANZ	20 1234	1234	1238	S11	E57	4492	05	24.8	4	SN		2					
0319		20 1514	15141	1518D	S10	E55	4492	05	24.8	4D	SB	C 7.6				63		EF
	RAMY	20 1514	1514	1514D	S08	E54	4492	05	24.7	4D	SB	C 7.6	3	C		75		
	HOLL	20 1514	1515U	1516D	S09	E51	4492	05	24.5	2D	SB	C 7.6	3	C		56		
	RAMY	20 1514	1515	1518D	S10	E58	4492	05	25.0	4D	SB	C 7.6	3	C		66		FE
	HOLL	20 1514	1515	1518D	S12	E58	4492	05	25.0	4D	SB	C 7.6	3	C		56		FE
0320	PALE	20 1746	1804	1806	S08	E57	4492	05	25.0	20	SF	C 1.9	3	C		24		F
0321	HOLL	20 1929	1929	1937	S12	E56	4492	05	25.0	8	SN	C 4.9	3	C		59		F
0322	HOLL	20 2019	2019	2024	S11	E58	4492	05	25.2	5	SB	C 2.4	3	C		36		E
0323		20 21486	21486	2202	S08	E52	4492	05	24.8	14	SN	C 5.7				81	1.2	EFIJT
	VORO	20 2148	2148	2202	S08	E55	4492	05	25.0	14	SN			C	2148	99	1.7	EIJT
	HOLL	20 2150	2154	2204	S09	E47	4492	05	24.4	14	SB	C 5.7	3	C		93		FE
	CULG	20 2154	2154	2200	S07	E53	4492	05	24.9	6	SF			C	2154	50	.8	F
0324		20 2218*	22347	2359	S07	E53	4492	05	24.9	101	2B	X10.1				499	10.8	EFIJKTVZ
	HOLL	20 2218	2234U	2234D	S10	E53	4492	05	24.9	16D	2B	X10.1	3	C		452		
	CULG	20 2225	2236	2330	S06	E53	4492	05	24.9	65	2B			C	2236	660	11.2	JE
	VORO	20 2231	2234	2408	S06	E56	4492	05	25.1	97	2N			C	2234	582	10.3	EIJTVK
	PALE	20 2231E	2241	2437	S08	E52	4492	05	24.8	126D	2B	X10.1	3	C		754		Z
	LEAR	20 2319E		2342	S06	E53	4492	05	24.9	23D	SN	X10.1	3	C		48		F

H - ALPHA SOLAR FLARES

135
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks				
								Rgn	Mag						Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)			
0345		22	0251	0251	0318	S10	E38	4492	05	25.0	27	SB	C	5.9		154	2.5	EF			
	PALE	22	0251	0251	0318	S09	E38	4492	05	25.0	27	SB	C	5.9	3	C	148		FE		
	LEAR	22	0251	0254	0330	S11	E38	4492	05	25.0	39	SB	C	5.9	3	C	170		F		
	MITK	22	0251	0255	0308	S09	E38	4492	05	25.0	17	SN				C	0255	110	E		
	URUM	22	0254E	0254U	0314	S11	E38	4492	05	25.0	200	IN				P	0254	189	2.5	E	
0346		22	0401*	04433	0501	S08	E50	4494	05	25.9	60	IN					155	2.9	EU		
	ABST	22	0401	0446	0501	S07	E49	4494	05	25.8	60	IN				C	0446	218	3.2	E	
	LEAR	22	0440	0443	0509	S09	E51	4494	05	26.0	29	SN				3	C	91		U	
	URUM	22	0444E	0444U	0454	S09	E51	4494	05	26.0	100	IN				P	0444	157	2.6	E	
0347	LEAR	22	0440	0440	0446	S08	E37	4492	05	25.0	6	SB	C	3.1	3	C		40			
0348		22	05012	05051	0512	S08	E34	4492	05	24.7	11	SB					98	1.3	D		
	ABST	22	0501	0505	0511	S07	E36	4492	05	24.9	10	SN				C	0505	105	1.3	D	
	LEAR	22	0503	0506	0514	S09	E37	4492	05	24.6	11	SB				3	C	92			
0349		22	0527*	0529*	0650	S07	E35	4492	05	24.8	83	SN	C	2.0			152	2.0	DEFKUZ		
	LEAR	22	0527	0529	0703	S09	E31	4492	05	24.5	96	SN				3	C	20		K	
	LEAR	22	0527	0635	0703	S09	E31	4492	05	24.5	96	IB	C	2.0	3	C	192		ZUK		
	URUM	22	0540	0600	0655	S08	E37	4492	05	25.0	75	SF				C	47	.6	D		
	URUM	22	0540	0636	0655	S08	E38	4492	05	25.1	75	SN				C	110	1.4	E		
	ABST	22	0556	0611	06120	S09	E36	4492	05	24.9	160	SN				P	0611	105	1.3	D	
	ATHN	22	0601	0604	0619	S09	E36	4492	05	24.9	18	SN				2	V	0604	48	.6	
	MITK	22	0604	0616	06260	S07	E35	4492	05	24.9	220	SN				C	0616			E	
	BUCA	22	0615	0635U	0700	S06	E37	4492	05	25.0	45	SF				P	0635	64	.8		
	YUNN	22	0616E	0616U	0625	S07	E36	4492	05	24.9	90	IB				P	0616	311	4.0		
	YUNN	22	0625	0633	0655	S05	E37	4492	05	25.0	30	IN				C		358	4.6		
	ARST	22	0629E	0633	0654	S05	E34	4492	05	24.8	250	IN				P	0633	262	3.3	F	
	ATHN	22	0630	0631	0652	S08	E36	4492	05	25.0	22	IB				2	V	0631	191	2.4	
CATA	22	0635E	0635	0650	S08	E37	4492	05	25.0	150	S				2	P	0635	112	1.4		
0350	ISTA	22	0725		0750	N10	W90		05	15.5	25	2B								A	
0351		22	08005	08052	0816	S07	E35	4492	05	24.9	16	SN	C	1.9			50	.6	F		
	URUM	22	0800	0805	0815	S07	E34	4492	05	24.9	15	SN				C	31	.4			
	BUCA	22	0800	0807	0815	S06	E37	4492	05	25.1	15	SF	C	1.9		C	0807	43	.6		
	ATHN	22	0802	0806	0819	S08	E35	4492	05	24.9	17	SB				3	V	0806	32	.4	
	LEAR	22	0802	0807	0817	S08	E35	4492	05	24.9	15	SB	C	1.9	3	C		50		F	
	YUNN	22	0805	0806	0814	S08	E35	4492	05	25.0	9	SN				C	93	1.2			
0352		22	08201	08201	0832	S08	E32	4492	05	24.7	12	SB					22	.2	F		
	LEAR	22	0820	0820	0831	S08	E35	4492	05	25.0	11	SB				3	C	24		F	
	ATHN	22	0821	0821	0833	S09	E30	4492	05	24.6	12	SB				3	V	0821	19	.2	
0353		22	0928	09293	0940	S08	E34	4492	05	24.9	12	SN					32	.4	EHI		
	ATHN	22	0928	0929	0940	S09	E34	4492	05	24.9	12	SB				3	V	0929	32	.4	
	KHAR	22	0930E	0932	0940D	S08	E34	4492	05	24.9	100	SF				V	0932			EHI	
0354	KHAR	22	1035E		1043D	S13	W68		05	17.3	80	SN				V	1035			D	
0355		22	11105	11152	1122	S08	E33	4492	05	24.9	12	SN					72	.9	DI		
	KHAR	22	1103E	1117	11260	S08	E32	4492	05	24.8	230	SN				P	1116	80	1.0	I	
	URUM	22	1110	1116	1119	S08	E33	4492	05	24.9	9	SN				C	79	1.0	D		
	CATA	22	1115	1115	1125	S08	E33	4492	05	24.9	10	S				2	C	1115	56	.7	
			22	1413		1417	No Flare Patrol														
		22	1428		1444	No Flare Patrol															
0356	RAMY	22	1501E	1502U	1502D	S09	E26	4492	05	24.6	10	2B	M	6.3	3	C		940			
0357	RAMY	22	1558	1607	1614	S07	E44	4494	05	26.0	16	SF				3	C		35		
0358		22	1719*	1739	1756	S14	E54	4494	05	26.8	37	SN					138		F		
	RAMY	22	1719	1739	1832D	S14	E53	4494	05	26.7	730	IN				3	C	167			
	PALE	22	1731	1739	1754	S12	E55	4494	05	26.9	23	SN				3	C	95			
	HOLL	22	1739E	1742U	1757	S15	E55	4494	05	26.9	180	SF				2	C	153		F	

136
May 84

H - ALPHA SOLAR FLARES

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USA ^c Reg. on	OMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See	Type	Area Measurement			Remarks		
														Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0359	PALE	22	1738	1738	1754	S09 E23	4492	05 24.5	16	SF		3	C		21				
0350		22	2009E	2011*	2029	S08 E20	4492	05 24.3	200	SF					75			K	
	HOLL	22	2009E	2011	2029	S08 E20	4492	05 24.3	200	SF		3	C		80			K	
	HOLL	22	2009E	2027	2029	S08 E20	4432	05 24.3	200	SF		3	C		70			K	
0361		23	0010	0011	0024	S08 E26	4492	05 24.9	14	SN					29	.5		DFIJT	
	LEAR	23	0010	0011	0035	S08 E27	4492	05 25.0	25	SN		3	C		23			F	
	VORO	23	0010	0012	0018	S07 E25	4492	05 24.9	8	SF			C	0012	45	.5		DIJT	
	HOLL	23	0011E	0011U	0020	S08 E26	4492	05 24.9	90	SN		3	C		20				
0362	VORO	23	0218	0218	0221	S06 E25	4492	05 25.0	3	SN			C	0218	45	.5		DIJT	
0363		23	0255	0256	0307	S06 E25	4492	05 25.0	12	SF					58	.6		DIJT	
	CULG	23	0255	0256	0306	S05 E23	4492	05 24.8	11	SF			C	0256	40	.4			
	VORO	23	0258E		0309	S07 E25	4492	05 25.0	110	SF			C	0258	72	.8		DIJT	
	YUNN	23	0258E	0258U	0307	S07 E26	4492	05 25.1	90	SN			P	0258	62	.7			
0364		23	0454*	0455*	0526	S08 E23	4492	05 24.9	34	SB M 1.8					181	2.5		EFJKZ	
	LEAR	23	0454	0455	0531	S08 E24	4492	05 25.0	37	SN		3	C		25			K	
	LEAR	23	0454	0512	0531	S08 E24	4492	05 25.0	37	1B M 1.8		3	C		239			ZFK	
	YUNN	23	0503	0512	0527	S08 E24	4492	05 25.0	24	1B			C		324	3.9			
	ABST	23	0509	0512	0529	S09 E23	4492	05 24.9	20	SN			C	0512	140	1.6		E	
	CULG	23	0510	0511	0524	S06 E22	4492	05 24.9	14	SB			P	0511	180	1.9		J	
0365	LEAR	23	0802	0807	0817	S08 E35	4494	05 25.9	15	SB		3	C		50			F	
0366	LEAR	23	0823	0831	0859D	S11 E14	4492	05 24.4	360	SN		3	C		39				
0367	ATHN	23	1217E	1226	1240	S12 E12	4492	05 24.4	230	SN		2	V	1226	127	1.3			
		23	1419		1425	No Flare Patrol													
0368	HOLL	23	1445	1445	1516	S08 E19	4492	05 25.0	31	SF		3	C		56				
0369		23	1601	1612*	1703D	S10 E09	4492	05 24.3	62D	SN C 1.7					103			EFK	
	HOLL	23	1601	1612	1703D	S10 E09	4492	05 24.3	62D	SF		3	C		56			K	
	HOLL	23	1601	1643	1703D	S10 E09	4492	05 24.3	62D	SB C 1.7		3	C		150			FEK	
		23	1704		1716	No Flare Patrol													
0370		23	1748	1752*	1838	S12 E08	4492	05 24.3	50	SF					40			FK	
	PALE	23	1748	1752	1804	S13 E09	4492	05 24.4	16	SF		3	C		41				
	HOLL	23	1752E	1754U	1855	S11 E08	4492	05 24.3	63D	SF		3	C		44			FK	
	HOLL	23	1752E	1842	1855	S11 E08	4492	05 24.3	63D	SF		3	C		35			K	
0371	RAMY	23	1906	1907	1943	S07 W67	4495	05 18.8	37	SF		3	C		15				
0372		23	2017	2019	2036	S10 E08	4492	05 24.4	19	SF					38			F	
	PALE	23	2017	2019	2036	S09 E08	4492	05 24.4	19	SF		3	C		43			F	
	RAMY	23	2018	2020	2035	S11 E09	4492	05 24.5	17	SF		3	C		33			F	
0373	VORO	23	2152	2154	2156	S08 E15	4492	05 25.0	4	SF			C	2154	90	1.0		EIJT	
0374		23	2325*	2334*	2435	S11 W00	4492	05 24.0	70	1N C 1.3					233	2.6		EFIJKTU	
	HOLL	23	2325	2334	2445	S11 W01	4492	05 23.9	80	SN		3	C		121			K	
	HOLL	23	2325	2348	2445	S11 W01	4492	05 23.9	80	1B C 1.3		3	C		222			FEK	
	VORO	23	2328		2408D	S12 E01	4492	05 24.0	400	1F			C	2354	269	2.8		EIJTK	
	PALE	23	2328	2348	2432D	S11 W00	4492	05 24.0	64D	1N C 1.3		3	C		283			F	
	MANI	23	2331E	2347	2404D	S11 W02	4492	05 23.8	330	1B		1	V		235	2.2		F	
	CULG	23	2345	2349	2414	S12 E01	4492	05 24.1	29	1B			C	2349	270	2.7		EU	
0375		23	2335*	2337*	2356	S12 E26	4494	05 25.9	21	SF					30			F	
	HOLL	23	2335	2337	2344	S12 E25	4494	05 25.9	9	SF		3	C		35			F	
	HOLL	23	2348	2349	2407	S11 E26	4494	05 25.9	19	SF		3	C		25				
0376	CULG	24	0057	0101	0111	S09 W06	4492	05 23.6	14	SF			C	0101	100	1.0		H	

H - ALPHA SOLAR FLARES

137
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		OMP Mo	Dur (Min)	Imp Opt	Obs Xray	Obs See	Obs Type	Time (UT)	Area Measurement		Remarks	
						Region	Class								Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0377		24	01532	01578	0212	S12	W01	4492	05 24.0	19	SN				98	1.1	EFIJT	
	URUM	24	0153	0158	0217	S13	E00	4492	05 24.1	24	SB		C		110	1.2	E	
	VORO	24	0154	0157	0202	S12	W00	4492	05 24.1	8	SF		C	0157	134	1.4	E:JT	
	CULG	24	0155	0158	0209	S12	W02	4492	05 23.9	14	SN		C	0158	80	.8	F	
	PALE	24	0201E	0205	0218	S11	W01	4492	05 24.0	17D	SF	3	C		69		F	
0378	YUNN	24	0313	0315	0331	S10	W02	4492	05 24.0	18	SF		C		78	.8	D	
0379	YUNN	24	0449E	0449U	0452D	S12	W02	4492	05 24.0	30	SN		P	0449	155	1.6		
0380	ABST	24	0526	0528	0630	S15	E19	4497B	05 25.7	64	SF		C	0528	175	1.7	EG	
0381	HTPR	24	0527	0529	0550	S14	E08	4492	05 24.8	23	SF		C	0529	50	.5	E	
0382		24	05482	05523	0608	S07	E11	4494	05 25.1	20	SN				54	.6	DE	
	HTPR	24	0548	0552	0612	S07	E11	4494	05 25.1	24	SN		C	0552	50	.5	E	
	PEKG	24	0550	0555	0603	S07	E11	4494	05 25.1	13	SN		P	0555	59	.6	D	
0383	HTPR	24	0549	0550	0604	S11	W01	4492	05 24.2	15	SF		C	0550	40	.4	E	
0384	HTPR	24	0621	0624	0636	S07	E10	4492	05 25.0	15	SF		C	0624	20	.2	E	
0385		24	06584	0659*	0718	S10	E01	4492	05 24.4	20	SN				96	1.0	EFGLV	
	ABST	24	0658	0659	0707D	S12	E01	4492	05 24.4	9D	IN		P	0659	201	2.1	FV	
	KHAR	24	0658E	0659	0726D	S10	E01	4492	05 24.4	28D	SN		V	0659			EGILV	
	HTPR	24	0700	0700	0730	S11	E01	4492	05 24.4	30	SB		C	0700	50	.5	E	
	PEKG	24	0700	0701	0707	S10	E01	4492	05 24.4	7	SN		C	0701	76	.8	E	
	KANZ	24	0702	0702U	0720D	S09	W01	4492	05 24.2	18D	SF	1						
	CATA	24	0710E	0710	0715D	S11	E01	4492	05 24.4	5D	S	2	P	0710	56	.6		
0386	KHAR	24	0828E		0838D	S10	W01	4492	05 24.3	10D	SF		V	0828			DGI	
0387		24	08313	08331	0848	S13	E19	4494	05 25.8	17	SF				30	.3	EI	
	HTPR	24	0831	0833	0845	S14	E18	4494	05 25.7	14	SF		C	0833	30	.3	E	
	KHAR	24	0832E		0838D	S13	E19	4494	05 25.8	6D	SF		V	0832			EI	
	KANZ	24	0834	0834	0850	S12	E19	4494	05 25.8	16	SN	2					E	
0388	HTPR	24	0846	0855	0904	S11	W03	4492	05 24.1	18	SF		C	0855	20	.2	E	
0389		24	09391	0957*	1023	S08	E06	4492	05 24.8	44	SN				173	1.8	DEGIKL	
	HTPR	24	0939		1007D	S07	E08	4492	05 25.0	28D	SB		C	0956	150	1.5	E	
	KHAR	24	0939E		1022D	S08	E07	4492	05 24.9	43D	SB		P	0944	200	2.0	IKL	
	CATA	24	0940	1000	1025	S08	E08	4492	05 25.0	45	I	2	C	1000	281	2.9		
	ATHN	24	0956E	0957	1014	S07	E10	4492	05 25.2	18D	IN	3	V	0957	207	2.2		
	HTPR	24	1018E		1030	S07	E08	4492	05 25.0	12D	SN		C	1018	30	.3	E	
	KHAR	24	1050E	1052	1058D	S09	W01	4492	05 24.4	8D	SF		V	1052			DGI	
	KHAR	24	1057E	1059	1112D	S12	E05	4492	05 24.8	15D	SF		V	1059			DI	
0390		24	1247	1248	1322	S11	W02	4492	05 24.4	35	SN	C 1.9			65	.6	E	
	ATHN	24	1247	1248	1330	S10	W01	4492	05 24.4	43	SN	C 1.9	3	V	1248	64	.7	
	RAMY	24	1247	1248	1339	S11	W01	4492	05 24.4	52	SN	C 1.9	3	C		71		
	HTPR	24	1252E		1257	S12	W03	4492	05 24.3	5D	SF		C	1252	60	.6	E	
		24	1424		1425	No Flare Patrol												
0391		24	14481	1451	1510	S08	E06	4492	05 25.1	22	SB	C 2.1			80		E	
	HOLL	24	1448	1451	1516	S08	E05	4492	05 25.0	28	SB	C 2.1	3	C	85		E	
	RAMY	24	1449	1451	1503	S08	E06	4492	05 25.1	14	SN	C 2.1	3	C	74			
0392	RAMY	24	1849	1854U	1905	S11	W09	4492	05 24.1	16	SF		3	C	47		F	
0393		24	19484	1952	2002	S11	W04	4492	05 24.5	14	SB				26		E	
	HOLL	24	1948	1952	2003D	S11	W01	4492	05 24.7	15D	SB		3	C	30		E	
	RAMY	24	1952	1952	2002	S11	W06	4492	05 24.4	10	SN		3	C	23			
0394		25	04222	04252	0445	S07	W03	4492	05 24.9	23	SN	C 2.5			242	1.1	EFZ	
	CULG	25	0422	0425	0431	S06	W03	4492	05 24.9	9	SN		C	0425	110			
	PALE	25	0422	0427	0436D	S08	W03	4492	05 24.9	14D	IN	C 2.5	3	C	373		ZF	
	MITK	25	0424	0427	0459	S06	W03	4492	05 24.9	35	SN		C	0427			E	

138
May 84

H - ALPHA SOLAR FLARES

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0395		25	0627*	0629*	0724	S06	W03	4492	05	25.0	57	SF				98	1.0	DEFI	
	ABST	25	0627	0629	0704D	S07	W04	4492	05	25.0	37D	SF		P	0629	183	1.9	F	
	BUCA	25	0629	0630	0651	S05	W03	4492	05	25.0	22	SF		C	0630	86	.9	E	
	BUCA	25	0700	0710	0740	S06	W01	4492	05	25.2	40	SN		C	0710	54	.6	D	
	KHAR	25	0708E		0730D	S06	W04	4492	05	25.0	22D	SF		P	0710	130	1.3	EI	
	HTPR	25	0710E		0716D	S05	W04	4492	05	25.0	6D	SF		C	0711	20	.2	E	
	CATA	25	0710	0710	0740	S06	W03	4492	05	25.1	30	S		2 C	0710	112	1.2		
0396		25	0656*	07046	0718	S18	W00		05	25.3	22	SF				64	.7	DGI	
	ABST	25	0656	0704	0704D	S19	W01		05	25.2	8D	SF		P	0704	87	.9	DG	
	BUCA	25	0700	0705	0720	S17	E01		05	25.4	20	SF		C	0705	43	.5	D	
	KHAR	25	0708E		0720D	S18	W01		05	25.2	12D	SF		P	0710	70	.7	DI	
	CATA	25	0710	0710	0715	S17	W00		05	25.3	5	S		2 C	0710	56	.6		
0397	CATA	25	0810E	0825	0825D	S17	W01	4492	05	25.5	15D	S		2 P	0825	68	.7		
0398		25	08356	0846	0928	S06	W05	4492	05	25.0	53	1N M	1.7			208	2.2	EHI	
	BUCA	25	0835	0846	0914D	S07	W02	4492	05	25.2	39D	1N M	1.7	C	0846	215	2.2	E	
	ATHN	25	0841	0846	0928	S07	W07	4492	05	24.8	47	SB		3 V	0846	175	1.9		
	KHAR	25	0858E		0911D	S06	W05	4492	05	25.0	13D	1N		V	0901			EHI	
	YUNN	25	0921E	0922U	0924D	S06	W05	4492	05	25.0	3D	1N		P	0922	233	2.4		
0399	BUCA	25	0842	0853	0910	S07	E12	4494	05	26.3	28	SF		C	0853	43	.4	D	
0400	RAMY	25	1042E		1108	S07	E05	4494	05	25.8	26D	SF		3 C		122		F	
0401	RAMY	25	1215	1218	1230	S07	E04	4494	05	25.8	15	SF		3 C		38		F	
0402		25	1453	1500	1546D	S11	W21	4492	05	24.0	53D	1B C	3.2			158	1.1	E	
	HTPR	25	1453		1528D	S10	W22	4492	05	24.0	35D	SB		C	1503	100	1.1	E	
	HOLL	25	1453	1500	1546D	S12	W20	4492	05	24.1	53D	1N C	3.2	3 C		215			
		25	1547		1626	No Flare Patrol													
0403		25	1638*	1710	1820	S10	W14	4492	05	24.6	102	1N C	1.9			210		F	
	HOLL	25	1638	1710	1820	S10	W17	4492	05	24.4	102	1N C	1.9	3 C		214		F	
	PALE	25	1652	1710	1755D	S11	W11	4492	05	24.9	63D	1N C	1.9	3 C		206		F	
0404	HOLL	25	1816	1820	1844	S07	E02	4494	05	25.9	28	SF C	1.0	3 C		92		F	
0405		25	1958	2000	2036	S07	E00	4494	05	25.8	38	1N C	2.2	3 C		301		F	
		25	2102		2110	No Flare Patrol													
		25	2119		2123	No Flare Patrol													
0406		25	2125E	2134	2159	S11	W21	4492	05	24.3	34D	1N C	5.4			182	.9	EF	
	HOLL	25	2125E	2134	2215	S11	W24	4492	05	24.1	50D	1B C	5.4	3 C		246		FE	
	PALE	25	2135E	2135U	2138D	S08	W16	4492	05	24.7	5D	1F		3 C		221			
	CULG	25	2134E	2134U	2143	S14	W24	4492	05	24.1	9D	SN		P	2134	80	.9		
0407		26	00055	0007*	0031	S06	W14	4492	05	24.9	26	SN				55	.6	DFHIJK	
	CULG	26	0005	0008	0012	S07	W14	4492	05	24.9	7	SN		C	0008	40	.4	F	
	HOLL	26	0005	0009	0101	S06	W14	4492	05	24.9	56	SN		3 C		75		FHK	
	HOLL	26	0005	0032	0101	S06	W14	4492	05	24.9	56	SN		3 C		41		K	
	YORO	26	0006	0007	0011	S06	W13	4492	05	25.0	5	SF		C	0007	90	.9	DIJ	
	LEAR	26	0010	0010	0013	S07	W14	4492	05	24.9	3	SN		3 C		31			
0408	LEAR	26	0030	0030	0038	S12	W22	4492	05	24.4	8	SF		3 C		28			
0409	LEAR	26	0147E	0151	0159	S13	W22	4492	05	24.4	12D	SN		3 C		30			
0410	LEAR	26	0208	0215	0223	S10	W01	4494	05	26.0	15	SF		3 C		29			
0411	LEAR	26	0232	0232	0238	S19	E80	4503A	06	1.2	6	SF		3 C		11			
0412	LEAR	26	0243	0243	0252	S08	W19	4492	05	24.7	9	SB C	1.2	3 C		53			
0413		26	0356	03574	0415	S10	W04	4494	05	25.9	19	SN C	1.0			149	1.9	EF	
	LEAR	26	0356	0357	0416	S11	W02	4494	05	26.0	20	SN C	1.0	3 C		74			
	CULG	26	0356	0401	0408	S11	W05	4494	05	25.8	12	SN		C	0401	110	1.1	F	
	ABST	26	0358E	0401	0421	S09	W04	4494	05	25.9	23D	1N		P	0401	262	2.7	E	

H - ALPHA SOLAR FLARES

139
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
								Region								Day	Apparent (10-6 Disk)		Corr (Sq Deg)
0414		26	0528*	0532*	0616	S08	W18	4492	05	24.9	48	SN	C	6.4		124	1.5	DEF	
	ABST	26	0528	0532	0536D	S08	W16	4492	05	25.0	8D	SF			0532	87	.9	D	
	LEAR	26	0535	0535	0559	S09	W16	4492	05	25.0	24	SN		3	C	22			
	URUM	26	0604	0609	0624	S08	W16	4492	05	25.0	20	SN			C	94	1.0	F	
	CULG	26	0605	0606	0614	S09	W16	4492	05	25.0	9	SB			C	0606	140	1.5	
	LEAR	26	0606E		0621D	S08	W21	4492	05	24.7	15D	SB	C	6.4	2	C	136		
	ATHN	26	0608E	0610D	0617	S10	W26	4492	05	24.3	9D	SB		2	V	0610	159	1.8	
	YUNN	26	0609E	0609U	0627	S08	W16	4492	05	25.0	18D	1B			P	0609	233	2.5	E
0415		26	07272	07291	0749	S09	W26	4492	05	24.3	22	SN	C	1.0		84	.9	DEF1	
	LEAR	26	0727	0729	0751	S10	W29	4492	05	24.1	24	SB	C	1.0	3	C	93		F
	KHAR	26	0728E		0947D	S08	W29	4492	05	24.1	139D	SN			V	0729		EI	
	ATHN	26	0728E	0730D	0740	S09	W28	4492	05	24.2	12D	SN		2	V	0730	80	.9	
	YUNN	26	0729	0730	0756	S09	W30	4492	05	24.1	27	SN			C	78	.9	E	
	KHAR	26	0745E		0748D	S08	W17	4492	05	25.0	3D	SF			V	0745		DI	
0416		26	08443	08454	0854	S15	E84	4500	06	1.7	10	1N				117		ACJ	
	URUM	26	0844	0846	0851	S15	E90	4500	06	2.2	7	1N			C	79		CJ	
	KANZ	26	0845	0845	0857	S14	E72	4500	05	31.8	12	SN		2					
	YUNN	26	0847	0849	0850D	S16	E90	4500	06	2.2	3D	1B			P	155		A	
0417	RAMY	26	1124	1126	1151	S12	E84	4500	06	1.8	27	SF		3	C		25		
0418	RAMY	26	1137	1138	1202	S11	W30	4492	05	24.2	25	SN	C	1.0	3	C	29		F
0419		26	1214*	1214*	1249	S12	W32	4492	05	24.1	35	SN	C	2.5		110		FK	
	RAMY	26	1214	1214	1252	S12	W32	4492	05	24.1	38	SF		3	C	21		K	
	RAMY	26	1214	1229	1252	S12	W32	4492	05	24.1	38	SN	C	2.5	3	C	150		FK
	HOLL	26	1226	1231	1242	S11	W31	4492	05	24.2	16	SN	C	2.5	2	C	160		F
0420		26	1315	1320	1404	S14	W30	4492	05	24.3	49	1B	C	5.0		202	2.4	EF	
	RAMY	26	1315	1320	1431	S14	W31	4492	05	24.2	76	1B	C	5.0	3	C	198		FE
	ATHN	26	1316E	1318D	1338	S14	W30	4492	05	24.3	22D	1B		2	V	1318	207	2.4	
0421	PALE	26	1707	1707	1721	S14	E77	4500	06	1.5	14	SF		3	C	77			
0422	HOLL	26	1720	1721	1736	S11	W10	4494	05	26.0	16	SF		3	C	30			
0423		26	18131	18141	1823	S10	W26	4492	05	24.8	10	SN				34		F	
	PALE	26	1813	1814	1824	S10	W25	4492	05	24.9	11	SN		3	C	37		F	
	HOLL	26	1814	1815	1822	S11	W28	4492	05	24.6	8	SN		3	C	32		F	
0424		26	18363	1852*	1958	S13	W12	4494	05	25.9	82	SF				136		FK	
	HOLL	26	1836	1852	2022	S14	W12	4494	05	25.9	106	SN		3	C	152		FK	
	HOLL	26	1836	1958	2022	S14	W12	4494	05	25.9	106	SF		3	C	79		K	
	PALE	26	1839	1859	1910	S10	W12	4494	05	25.9	31	SF		3	C	177		F	
0425		26	19061	19092	1927	S09	W22	4492	05	25.1	21	SN	C	2.0		82		F	
	HOLL	26	1906	1911	1929	S08	W23	4492	05	25.1	23	SN	C	2.0	3	C	103		F
	PALE	26	1907	1909	1925	S10	W22	4492	05	25.1	18	SN	C	2.0	3	C	62		
0426		26	2110	21121	2118	S11	E78	4500	06	1.7	8	SN				22			
	HOLL	26	2110	2112	2117	S12	E77	4500	06	1.7	7	SN		3	C	24			
	PALE	26	2110	2113	2118	S10	E78	4500	06	1.7	8	SF		3	C	20			
0427	HOLL	26	2339	2339	2351	S11	W35	4492	05	24.3	12	SN		3	C	28		F	
0428	HOLL	26	2342	2344	2356	S06	W16	4494	05	25.8	14	SF		3	C	24		F	
0429	HOLL	27	1429	1431	1437	S09	W38	4492	05	24.7	8	SF		3	C	21		F	
0430	HOLL	27	1553	1553	1603	S11	W44	4492	05	24.3	10	SN		3	C	22			
0431	HOLL	27	1641	1643	1654	S14	E63	4500	06	1.4	13	SF		3	C	26			
0432	HOLL	27	1925	1926	1930	S12	W48	4492	05	24.2	5	SF		3	C	20			
0433	HOLL	27	1946	1946	2001	S09	W41	4492	05	24.7	15	SF		3	C	18			

140
May 84

H - ALPHA SOLAR FLARES

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Area Measurement		Remarks	
															Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
0434	HOLL	27	2225	2238	2243	S10	W52	4492	05	24.0	18	SF	3	C	18		F	
0435	28	0000	0007	0036	0032	S17	E04	4499	05	28.3	36	SF			109	1.4	EFJ	
	CULG	28	0000	0007	0032	S18	E04	4499	05	28.3	32	SF		C	0007	100	1.0	FJ
	HOLL	28	0007E	0007	0040	S17	E05	4499	05	28.4	33D	SF	3	C		68		F
	PEKG	28	0010E	0010	0035	S17	E04	4499	05	28.3	250	SN		C	00:0	160	1.7	E
0436	28	0454	0500	0515	0515	S11	W49	4492	05	24.5	21	SN			91	1.8	EF	
	LEAR	28	0454	0500	0502D	S12	W48	4492	05	24.6	8D	SF	3	C	49		F	
	PEKG	28	0500E	0500	0515	S11	W49	4492	05	24.5	15D	IN		C	0500	177	2.8	E
	URUM	28	0505E	0505U	0515	S11	W49	4492	05	24.5	10D	SN		P	0505	47	.7	
0437	HOLL	28	1714	1716	1731	S07	W39	4494	05	25.8	17	SN	3	C	93		F	
0438	28	1922	1930*	1954	1954	S11	W59	4492	05	24.4	32	SF			55		FK	
	HOLL	28	1922	1930	1954	S11	W59	4492	05	24.4	32	SF	3	C	64		FK	
	HOLL	28	1922	1946	1954	S11	W59	4492	05	24.4	32	SF	3	C	46		K	
0439	HOLL	28	2059	2103	2109	N21	E58	4500A	06	2.3	10	SF	3	C	15			
0440	HOLL	28	2224	2229	2235	S14	E44	4500	06	1.2	11	SN	3	C	57			
0441	29	00123	00147	0022	0022	S10	E48	4500	06	1.6	10	SN			44	.6	DK	
	PEKG	29	0012	0015	0025	S11	E47	4500	06	1.5	13	SN		C	0015	59	.9	D
	MANI	29	0012	0016	0022	S10	E49	4500	06	1.7	10	SN	1	V	40	.6		
	CULG	29	0013	0014	0016	S08	E47	4500	06	1.5	3	SN		C	0014	20	.3	
	PALE	29	0015	0015	0024	S10	E48	4500	06	1.6	9	SN	3	C	49		K	
	PALE	29	0015	0021	0024	S10	E48	4500	06	1.6	9	SN	3	C	55		K	
0442	29	00313	00344	0101	0101	S13	W59	4492	05	24.6	30	SN C 1.1			80	1.3	EF	
	PEKG	29	0031	0035	0050	S14	W59	4492	05	24.6	19	SN C 1.1		C	0035	63	1.3	E
	PALE	29	0033	0034	0057	S12	W58	4492	05	24.6	24	SF C 1.1	3	C	71		F	
	LEAR	29	0034	0038	0115	S13	W60	4492	05	24.5	41	SN C 1.1	3	C	107		F	
0443	29	01217	01254	0130	0130	S08	W60	4492	05	24.5	9	SF			24			
	LEAR	29	0121	0125	0128	S08	W60	4492	05	24.5	7	SF	3	C	27			
	LEAR	29	0128	0129	0131	S08	W60	4492	05	24.6	3	SF	3	C	21			
0444	29	01403	01453	0159	0159	S07	W46	4494	05	25.6	19	SN			60	.9	E	
	PEKG	29	0140	0145	0200	S08	W45	4494	05	25.7	20	SN		C	0145	63	.9	E
	YUNN	29	0142	0146	0150	S05	W47	4494	05	25.5	8	SN		C	62	.9		
	LEAR	29	0143	0148	0208	S07	W45	4494	05	25.7	25	SF	3	C	54			
0445	29	01491	0151	0156	0156	S10	E46	4500	06	1.5	7	SF			33			
	PALE	29	0149	0151	0158	S09	E46	4500	06	1.5	9	SF	3	C	38			
	LEAR	29	0150	0151	0155	S10	E47	4500	06	1.6	5	SF	3	C	28			
0446	29	03154	0320	0324	0324	S12	E51	4500	06	2.0	9	SN			30	.6	D	
	PEKG	29	0315	0320	0325	S11	E50	4500	06	1.9	10	SN		C	0320	38	.6	D
	LEAR	29	0319	0320	0323	S12	E52	4500	06	2.0	4	SF	3	C	23			
0447	LEAR	29	0356	0407	0445	S06	W47	4494	05	25.6	49	SF	3	C	30			
0448	LEAR	29	0407	0408	0436	S11	E50	4500	06	1.9	29	SF	3	C	36			
0449	LEAR	29	0433	0433	0436	S10	W62	4492	05	24.5	3	SF	3	C	15			
0450	PEKG	29	0450	0454	0518	S12	E49	4500	05	1.9	28	SN		C	0454	25	.5	D
0451	HTPR	29	0740	0743	0805	S07	W53	4494	05	25.3	25	SN		C	0743	10	.2	
0452	PEKG	29	0845	0858	0912	S10	E03	4503	05	29.6	27	SF		P	0858	34	.4	E
0453	29	0909	0858*	0916D	0916D	S07	W52	4494	05	25.5	7D	SN			22	.4	DE	
	PEKG	29	0858E	0858	0858D	S07	W51	4494	05	25.5	7D	SF		P	0858	13	.2	D
	HTPR	29	0909	0911	0916D	S07	W54	4494	05	25.3	7D	SB		C	0911	30	.5	E
0454	PEKG	29	0945	0948	0953	S07	E01	4503	05	29.5	8	SN		C	0948	17	.2	D

H - ALPHA SOLAR FLARES

141
May 84

MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
						Region	Lat CMD								Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0455	RAMY	29	1201	1226	1249	S10 E43	4500	06	1.7	48	SF	3	C		44			
0456	RAMY	29	1238	1241	1248	N23 E49	4500A	06	2.3	10	SF	3	C		45			
0457	HOLL	29	1444	1445	1453	S14 E36	4500	06	1.3	9	SF	3	C		42			
0458		29	1637	1639	1655	S16 W40	4498A	05	26.6	18	SF				56		F	
	RAMY	29	1637	1639	1656	S17 W40	4498A	05	26.6	19	SF	3	C		57		F	
	HOLL	29	1642E	1642U	1654	S15 W40	4498A	05	26.7	12D	SF	3	C		55			
0459	HOLL	29	1644	1712	1725	S25 E74	4506	06	4.4	41	SF	3	C		24			
0460		29	1742I	1744E	1824	S17 W20	4499	05	28.2	42	1N C	1.2			204		FU	
	RAMY	29	1742	1744	1821	S18 W18	4499	05	28.4	39	1N C	1.2	3	C	262		F	
	HOLL	29	1743	1750	1828	S16 W21	4499	05	28.1	45	SN C	1.2	3	C	147		UF	
0461		29	1847A	1855E	1942	S24 E76	4506	06	4.6	55	SF C	1.8			48		FU	
	HOLL	29	1847	1855	2001	S25 E75	4506	06	4.6	74	SF C	1.8	3	C	51		U	
	RAMY	29	1851	1903	1923	S24 E78	4506	06	4.8	32	SF C	1.8	3	C	44		F	
0462		30	0242	0247I	0256	S18 W26		05	28.1	14	SN				92	1.7	E	
	PALE	30	0242	0247	0251	S17 W25		05	28.2	9	SF		3	C	41			
	PEKG	30	0248E	0248	0300	S18 W27		05	28.1	12D	JN			C	0248	143	1.7	E
0463	HTPR	30	0843	0845	0852	S11 E25	4500	06	1.2	9	SF		C	0845	10	.1		
0464		30	0858E	0859E	0918	S17 W30		05	28.1	20	SN				59	.7	E	
	HTPR	30	0858	0859	0917	S17 W30		05	28.1	19	SN		C	0859	30	.3	E	
	CATA	30	0900	0900	0920	S18 W29		05	28.2	20	S		2	C	0900	84	1.0	
	YUNN	30	0900E	0904	0904D	S16 W30		05	28.1	4D	SF		P		62	.8		
0465		30	0956	1015I	1035	N22 E36	4500A	06	2.2	39	SN				26	.3	E	
	HTPR	30	0956	1016	1037	N23 E37	4500A	06	2.3	41	SF		C	1016	20	.2	E	
	ATHN	30	1010E	1015	1033	N21 E35	4500A	06	2.1	23D	SN		3	V	1015	32	.4	
0466	HTPR	30	1223	1227	1230	S13 W88	4492	05	23.9	7	SF		C	1227	30		A	
0467	HTPR	30	1416	1422	1430	S06 W67	4494	05	25.6	14	SF		C	1422	20	.5	E	
0468	PALE	30	1656	1657	1706	S08 W67	4494	05	25.7	10	SF	3	C		45			
0469		30	1726	1727	1748	S13 E18	4500	06	1.1	22	1B C	2.2			272		EF	
	HOLL	30	1726	1727	1747	S13 E17	4500	06	1.0	21	1B C	2.2	3	C	282		F	
	PALE	30	1726	1727	1750	S13 E18	4500	06	1.1	24	1B C	2.2	3	C	261		FE	
0470	HOLL	30	1839	1842	1900	S11 E26	4500	06	1.7	21	SF	3	C		34			
0471	HOLL	30	1921	1924	1930	S06 W69	4494	05	25.6	9	SF	3	C		13			
0472	HOLL	30	1934	1944	1950	N21 E33	4500A	06	2.3	16	SF	3	C		21			
0473	PALE	30	1952	1953	1957	S08 W68	4494	05	25.7	5	SF	3	C		28			
0474		30	1955I	1957E	2018	S13 E16	4500	06	1.0	23	SN C	1.3			144		F	
	HOLL	30	1955	1957	2021	S13 E16	4500	06	1.0	26	SN C	1.3	3	C	196			
	PALE	30	1956	1957	2014	S13 E17	4500	06	1.1	18	SN C	1.3	3	C	91		F	
0475	HOLL	30	2121	2122	2126	S05 W69	4494	05	25.7	5	SF	3	C		15			
0476	HOLL	30	2140	2146	2150	S05 W72	4494	05	25.5	10	SF	3	C		15			
0477	HOLL	30	2202	2203	2212	S06 W70	4494	05	25.7	10	SF	3	C		19			
		30	2252		2253	No Flare Patrol												
0478	PEKG	30	2310	2315	2322	S13 E15	4500	06	1.1	12	SN		C	2315	63	.7	E	
0479	PALE	31	0033	0040	0050	S06 W74	4494	05	25.5	17	SF	3	C		37			

H - ALPHA SOLAR FLARES

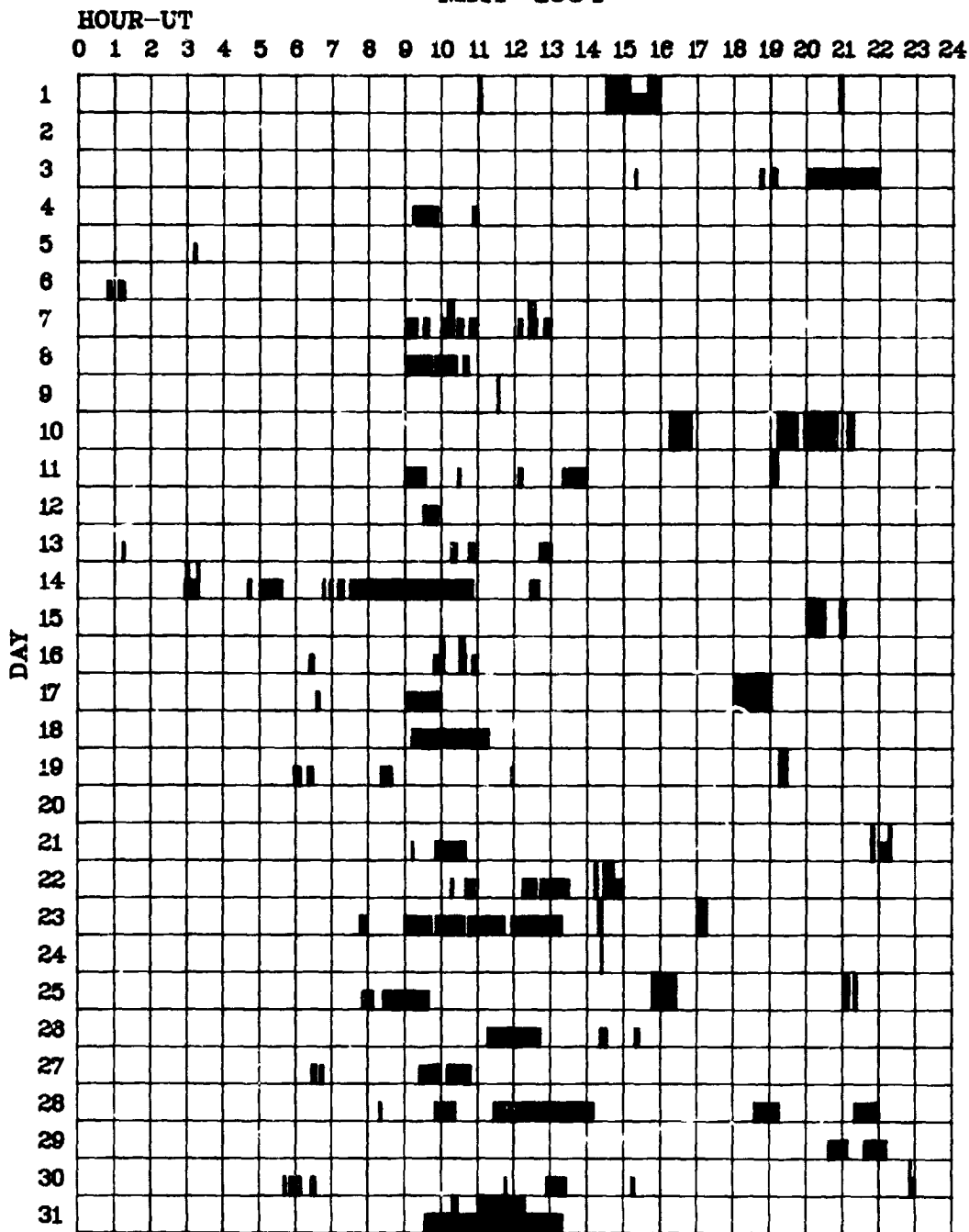
MAY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0480	PALE	31	0141	0143	0148	S15	W69	4494	05	25.8	7	SF	3	C		29			
0481		31	0437*	0442*	0501	S14	E16	4500	06	1.4	24	SN				64	.7	DEFJV	
	PEKG	31	0437	0442	0457	S15	E20	4500	06	1.7	20	SN		C	0442	67	.8	E	
	CULG	31	0440	0444	0450	S15	E20	4500	06	1.7	10	SF		C	0444	40	.4		
	LEAR	31	0440	0457	0508	S16	E19	4500	06	1.6	28	SN	3	C		44		F	
	ABST	31	0455	0456	0459	S12	E12	4500	06	1.1	4	SF		C	0456	87	.9	DV	
	CULG	31	0456	0456	0501	S12	E11	4500	06	1.0	5	SF		C	0456	20	.2	J	
	PEKG	31	0457	0500	0510	S11	E11	4500	06	1.0	13	SN		C	0500	126	1.4	E	
0482		31	05223	05256	0548	S10	W24	4503	05	29.4	26	SN				34	1.0	DE	
	ABST	31	0522	0525	0551D	S10	W24	4503	05	29.4	29D	SF		P	0525	87	1.0	D	
	PEKG	31	0525	0531	0548	S09	W23	4503	05	29.5	23	SN		C	0531	80	.9	E	
0483		31	0545*	05506	0602	S11	E16	4500	06	1.4	17	SN				64	.8	DEF	
	ABST	31	0545	0550	0551D	S15	E11	4500	06	1.1	6D	SF		P	0550	114	1.2	D	
	PEKG	31	0548E	0553	0553D	S13	E11	4500	06	1.1	5D	SN		P	0553	105	1.1	E	
	PEKG	31	0552E	0552	0602	S09	E18	4500	06	1.6	10D	SN		P	0552	50	.5	D	
	CULG	31	0552	0554	0603	S09	E20	4500	06	1.7	11	SF		C	0554	60	.6	F	
	LEAR	31	0553	0553	0555	S11	E20	4500	06	1.7	2	SN	3	C		31		F	
	LEAR	31	0556	0556	0606	S11	E19	4500	06	1.7	10	SF	3	C		22		F	
0484		31	0626	06276	0646	S16	E10	4500	06	1.0	20	SN				102	.9	EFU	
	LEAR	31	0626	0627	0645	S17	E09	4500	05	31.9	19	SN	3	C		115		UF	
	PEKG	31	0633E	0633	0648	S15	E10	4500	06	1.0	15D	SN		P	0633	88	.9	E	
0485	PEKG	31	0817	0822	0832	S12	E09	4500	06	1.0	15	SN		C	0822	97	1.0	E	
0486		31	0830*	0844*	0909	N22	E24	4500A	06	2.2	33	SB	C 2.0			106	1.5	EFG	
	LEAR	31	0836	0844	0901D	N21	E25	4500A	06	2.3	25D	SN	C 2.0	3	C	70		F	
	PEKG	31	0844	0850	0907D	N23	E24	4500A	06	2.2	23D	SB	C 2.0	C	0850	168	2.0	E	
	KANZ	31	0849E	0849U	0909	N23	E23	4500A	06	2.1	20D	SB		1				GE	
	URUM	31	0900E	0902	0907D	N23	E25	4500A	06	2.3	7D	SN		P		79	1.0	FG	
0487		31	0921	0926	0956D	S11	E10	4500	06	1.1	35D	1B				300	3.2	E	
	KANZ	31	0921	0926	0933D	S10	E09	4500	06	1.1	12D	SB		1					
	KHAR	31	0928E		0956D	S12	E10	4500	06	1.1	28D	1N		P	0929	300	3.2	E	
0488		31	0929E	0930*	1000D	S08	W90	4492	05	24.6	31D	SN						HK	
	KHAR	31	0929E	0930	0938D	S13	W90	4492	05	24.6	9D	SF		V	0930				
	KHAR	31	0929E	0940	1000D	S04	W90	4492	05	24.7	31D	SN		V	0940			HK	
0489		31	1006E	1007*	1055D	S14	E13	4500	06	1.4	49D	SN				48	.5	H	
	ATHN	31	1006E	1007	1018D	S11	E17	4500	06	1.7	12D	N	1	V	1007	48	.5	H	
	KHAR	31	1040E	1046	1055D	S16	E09	4500	06	1.1	15D	SF		V	1046			H	
		31	1019		1028	No Flare Patrol													
		31	1101		1218	No Flare Patrol													
0490		31	13421	13442	1356	S10	E08	4500	06	1.2	14	SF				43		F	
	RAMY	31	1342	1344	1359	S10	E09	4500	06	1.2	17	SF	3	C		46			
	HOLL	31	1343	1346	1352	S11	E07	4500	06	1.1	9	SF	3	C		40		F	
0491	HOLL	31	2214	2220	2239	N21	E14	4500A	06	2.0	25	SF	3	C		32			
0492	HOLL	31	2229	2232	2240	S10	E10	4500	06	1.7	11	SF	3	C		35			

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

143
May 84

MAY 1984



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 | Culgoora | Kanzelhoehe | Manila | Ramey |
| Athens | Haute Provence | Kharkov | Mitaka | Urumqi |
| Bucharest | Holloman | Kodaikanal | Palehua | Voroshilov |
| Catania | Istanbul | Learmonth | Peking | Wendelstein |
| | | Lvov | Purple Mt. | Yunnan |

H - ALPHA SOLAR FLARES

JUNE 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0001		01	03584	04025	0411	S11	W00	4500	06	1.2	13	SF				50	.6		
	PEKG	01	0358	0402	0417	S10	E00	4500	06	1.2	19	SN		C	0402	42	.4		
	LEAR	01	0402	0402	0405	S11	W00	4500	06	1.2	3	SF	3	C		21			
	ABST	01	0404E	0407	0439D	S11	W01	4500	06	1.1	30	SF		P	0407	87	.9	D	
0002		01	06451	06473	0712	N22	E11	4500A	06	2.1	27	SN				41		FG	
	LEAR	01	0645	0647	0713	N22	E12	4500A	06	2.2	28	SF	3	C		41		F	
	KANZ	01	0646	0650	0710	N21	E10	4500A	06	2.0	24	SN	2					G	
0003		01	1001	1025*	1142	N22	E08	4500A	06	2.0	101	1N C	3.6			286	3.3	EF	
	HTPR	01	1001	1025	1120	N23	E09	4500A	06	2.1	79	1N		C	1025	300	3.3	E	
	KHAR	01	1015E	1045	1150D	N21	E08	4500A	06	2.0	95D	1N		P	1045			E	
	RAMY	01	1039E		1203	N21	E08	4500A	06	2.0	84D	1N C	3.6	3	C	272		F	
0004		01	1206	12061	1212	S11	W04	4500	06	1.2	6	SF				50	.7	EF	
	RAMY	01	1206	1206	1212	S12	W03	4500	06	1.3	6	SF	3	C		40		F	
	HTPR	01	1206	1207	1212	S10	W05	4500	06	1.1	6	SF		C	1207	60	.7	E	
0005	HOLL	01	1358	1358	1402	S11	W05	4500	06	1.2	4	SF	3	C		24			
0006	HOLL	01	1419	1420	1439	S10	E00	4500	06	1.6	20	SF	3	C		38			
0007	HOLL	01	1626	1626	1640	S15	W05	4500	06	1.3	14	SF	3	C		27			
0008	PALE	01	1753	1753	1800	S09	W06	4500	06	1.3	7	SF	3	C		42		F	
0009		01	18276	1834	1841	S09	W08	4500	06	1.2	14	SF				84		FH	
	HOLL	01	1827	1834	1842	S09	W08	4500	06	1.2	15	SF	3	C		109		FH	
	PALE	01	1833	1834	1840	S09	W07	4500	06	1.2	7	SF	3	C		58		FH	
0010	PALE	01	2108	2108	2115	S12	E01	4500	06	1.9	7	SF	3	C		35		F	
0011		01	2303	2306	2314	S09	W10	4500	06	1.2	11	SF C	4.9			68	.8	F	
	CULG	01	2303	2306	2312	S10	W10	4500	06	1.2	9	SN		C	2306	80	.8		
	PALE	01	2303	2306	2316	S10	W09	4500	06	1.3	13	SF C	4.9	3	C	62		F	
	HOLL	01	2311E	2311U	2317D	S08	W10	4500	06	1.2	6D	SF C	4.9	3	C	62			
0012		02	03232	03241	0328	S11	W09	4500	06	1.5	5	SF				39	.3		
	CULG	02	0323	0324	0326	S11	W09	4500	06	1.5	3	SF		C	0324	30	.3		
	LEAR	02	0324	0324	0328	S11	W10	4500	06	1.4	4	SF	3	C		45			
	PALE	02	0325	0325	0329	S12	W08	4500	06	1.5	4	SF	3	C		41			
0013		02	1254	1301*	1316	S10	W18	4500	06	1.2	22	SN				143	1.5	E	
	KANZ	02	1254	1301	1317	S10	W18	4500	06	1.2	23	SN	2					E	
	ATHN	02	1308E	1311	1315	S10	W18	4500	06	1.2	7D	SN	4	V	1311	143	1.5		
		02	1401		1403	No Flare Patrol													
		02	1530		1533	No Flare Patrol													
	02	1718		1829	No Flare Patrol														
0014	HOLL	02	1743	1743	1749	S15	W18	4500	06	1.4	6	SF	3	C		31			
		02	1840		1853	No Flare Patrol													
		02	2051		2124	No Flare Patrol													
		02	2138		2203	No Flare Patrol													
0015		03	0146	0149*	0236	S10	W25	4500	06	1.2	50	1B C	2.6			282	3.0	EF	
	YUNN	03	0142E	0153	0204D	S10	W25	4500	06	1.2	22D	SB C	2.6		P	154	1.8		
	LEAR	03	0146	0149	0234	S09	W25	4500	06	1.2	48	1N C	2.6	3	C	299		F	
	PALE	03	0146	0149	0244	S10	W24	4500	06	1.3	58	1N C	2.6	3	C	307			
	CULG	03	0146	0151	0226	S11	W25	4500	06	1.2	40	1B		C	0151	370	4.0		
	MANI	03	0153E	0153U	0230D	S12	W23	4500	06	1.3	37D	1B C	2.6	V		250	2.5	F	
	PURP	03	0158E	0158U	0238	S12	W26	4500	06	1.1	40D	SN C	2.6	C	0158	151	1.8		
	PEKG	03	0200E	0200	0215D	S10	W26	4500	06	1.1	15D	1B C	2.6	P	0200	441	5.1	E	
0016		03	08214	08384	0906	S17	W28	4500	06	1.2	45	SN				136	2.0	EF	
	KANZ	03	0821	0841	0913	S17	W27	4500	06	1.3	52	SN	2					E	
	LEAR	03	0822	0842	0849D	S18	W29	4500	06	1.1	27D	SF	3	C		104		F	
	YUNN	03	0825	0838	0900	S15	W27	4500	06	1.3	35	SN		C		169	2.0	E	

H - ALPHA SOLAR FLARES

145
Jun 84

JUNE 1984

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
															Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
		03 1032		1057	No Flare Patrol												
0017	RAMY	03 1348	1349	1356	N06	E62	4508	06	8.2	8	SF	3	C		43		
0018	RAMY	03 1453	1523	1557	N21	W21	4500A	06	2.0	64	SF	3	C		87		
		03 1559		1622	No Flare Patrol												
		03 1634		1643	No Flare Patrol												
0019	PALE	03 1936	1937	1939	S13	W26	4500	06	1.8	3	SF	3	C		40		
		03 2148		2154	No Flare Patrol												
0020	YUNN	04 0647	0649	0714	S15	W37	4500	06	1.5	27	SN				49	.7	DFNU
	ABST	04 0648E	0649	0700D	S15	W38	4500	06	1.4	20	SN		C	0649	15	.2	
	LEAR	04 0648	0650	0720	S15	W39	4500	06	1.3	32	SF	3	C		87	1.2	DN
	ISTA	04 0655E		0715	S16	W34	4500	06	1.7	20D	1N				46		F
																	U
0021	KHAR	04 0736E		0742D	S14	W45	4507	05	31.9	6D	SF		V	0737			DG
		04 2023		2028	No Flare Patrol												
		04 2110		2116	No Flare Patrol												
		04 2126		2131	No Flare Patrol												
0022	HOLL	05 0037	0038	0048	S10	W45	4500	06	1.6	11	SF	3	C		21		
0023	PURP	05 0159A	0207B	0240	S14	W58	4507	05	31.7	41	1N C 3.4		C	0219	137	3.0	EFGJUY
	CULG	05 0200	0207	0235	S16	W57	4507	05	31.8	51	SB C 3.4		C	0207	79	1.6	
	URUM	05 0203	0215	0228	S12	W59	4507	05	31.0	35	SN		C		110	1.9	J
	MITK	05 0225E		0244	S13	W58	4507	05	31.7	25	1B		C		189	3.8	Y
	PALE	05 0227E	0228U	0255D	S14	W59	4507	05	31.6	19D	1N		P	0235	140	3.0	E
	YUNN	05 0240E	0240U	0246	S13	W60	4507	05	31.6	28D	SF	3	C		91		UF
										6D	1N C 3.4		P		215	4.6	G
0024	KHAR	05 1022E		1030D	N01	E36	4510	06	8.1	8D	SF		P	1022			D
0025	KHAR	05 1112E		1124D	N01	E36	4510	06	8.1	12D	SF		V	1113			D
		05 1401		1559	No Flare Patrol												
		05 1702		1710	No Flare Patrol												
		05 1723		1735	No Flare Patrol												
		05 1741		1831	No Flare Patrol												
		05 1835		1841	No Flare Patrol												
		05 1902		1926	No Flare Patrol												
		05 1949		2157	No Flare Patrol												
		05 2252		2255	No Flare Patrol												
		06 1401		1611	No Flare Patrol												
		06 1918		1925	No Flare Patrol												
		07 1426		1432	No Flare Patrol												
0026	HOLL	07 1439E	1452	1514	S09	W64	4500	06	2.8	35D	SN C 4.0	3	C		89		
		07 1555		1602	No Flare Patrol												
0027	CATA	08 0730	0737	0900	S22	W51		06	4.4	90	1N				221	3.8	GU
	YUNN	08 0730	0740	0900	S22	W50		06	4.5	90	1	2	C	0740	253	4.4	
	ISTA	08 0731E	0737	0742D	S22	W51		06	4.4	11D	1F		P		189	3.3	G
		08 0752E		0835D	S21	W52		06	4.3	43D	1B						GU
0028	HOLL	08 1320	1320	1328	S15	E72	4509	06	14.0	8	SF	3	C		13		
		08 1401		1810	No Flare Patrol												
		08 1945		1952	No Flare Patrol												
		08 2033		2055	No Flare Patrol												
0029	HOLL	08 2310	2311	2340	N04	W04	4508	06	8.7	30	1B C 4.5				276	1.2	EF
	CULG	08 2310	2311	2340	N04	W04	4508	06	8.7	30	1B C 4.5	3	C		432		FE
		08 2318E	2318U	2322D	N03	W04	4508	06	8.7	4D	SN		P	2318	120	1.2	F

146
Jun 84

H - ALPHA SOLAR FLARES

JUNE 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0030	ABST	09	0412	0415	0436	N12	W90		06	2.4	24	1N			C	0415	87		AK
0031		09	0725E	0800	0845D	N11	W90		06	2.5	80D	1F					112		D
	CATA	09	0725E	0800	0815D	N11	W90		06	2.5	50D	1		2	P	0800	112		
	KHAR	09	0835E		0845D	N11	W90		06	2.6	10	SF			V				D
0032	HTPR	09	1009	1013	1020	S24	W63		06	4.5	11	SF			C	1013	20	.4	
0033		10	21041	21041	2109	S12	E37	4509	06	13.7	5	SN					26		H
	PALE	10	2104	2104	2106D	S13	E34	4509	06	13.4	2D	SN		3	C		21		
	HOLL	10	2105	2105	2109	S12	E40	4509	06	13.9	4	SN		3	C		32		H
0034		10	21532	21541	2203	S10	E40	4509	06	13.9	10	SN					80	1.4	D
	HOLL	10	2153	2154	2206	S13	E39	4509	06	13.8	13	SN		3	C		51		
	VORO	10	2155	2155	2200	S10	E41	4509	06	14.0	5	SN			C	2155	108	1.4	D
0035		11	0515*	0519*	0544	S12	E35	4509	06	13.8	29	SF					45	1.1	D
	ABST	11	0515	0519	0549D	S11	E35	4509	06	13.8	34D	SF			P	0519	87	1.1	D
	LEAR	11	0517	0519	0528	S12	E35	4509	06	13.8	11	SF		3	C		36		
	LEAR	11	0544	0544	0559	S12	E35	4509	06	13.9	15	SF		2	C		23		
0036		11	14011	14022	1416	S12	E28	4509	06	13.7	15	SN					34		F
	HOLL	11	1401	1402	1418	S11	E27	4509	06	13.6	17	SN		3	C		33		F
	KAMY	11	1402	1404	1414	S12	E29	4509	06	13.8	12	SF		3	C		34		
0037	HOLL	11	1843	1845	1856	N00	E68	4512	06	16.8	13	SF		3	C		21		
0038		11	19101	19135	1924	N01	E66	4512	06	16.7	14	SF					18		
	RAMY	11	1910	1918	1925	N02	E65	4512	06	16.6	15	SF		3	C		22		
	HOLL	11	1911	1913	1923	N00	E67	4512	06	16.8	12	SF		3	C		15		
0039	HOLL	11	2003	2015	2021	N00	E67	4512	06	16.8	18	SF		3	C		14		
0040	CULG	12	0319	0332	0430	S08	E26	4509	06	14.1	71	SF			C	0332	150	1.6	FS
0041		12	0615	0625	0740	S06	E90	4513	06	19.0	85	SN					28		D
	CATA	12	0615	0625	0625D	S03	E90	4513	06	19.0	10D	S		2	P	0625	28		
	ISTA	12	0640E		0740	S00	E90	4513	06	19.0	60D	SN							D
0042	ISTA	12	0750		0805	S08	E90	4513	06	19.1	15	SN							D
0043	RAMY	12	1818	1821	1840	S07	E50	4511	06	16.5	22	SN		3	C		53		
0044	CULG	12	2141	2144U	2152	S06	E50	4511	06	16.6	11	2N			P	2144	340	5.2	F
0045	URUM	13	0908	0918	0928	S08	E42	4511	06	16.5	20	SF			C		16	.2	
0046		13	0930*	0939*	1006	S08	E42	4511	06	16.5	36	SN					44	.6	
	HTPR	13	0930	0939	1003	S07	E43	4511	06	16.6	33	SF			C	0939	40	.6	
	URUM	13	0956	0959	1008	S08	E41	4511	06	16.5	12	SN			C		47	.7	
		13	1902		1939	No Flare Patrol													
0047	PALE	14	0235	0237	0246	S05	E60	4513	06	18.6	11	SF		3	C		33		
0048	CULG	14	0336E	0336U	0345D	S03	E31	4511	06	16.5	9D	SN			P	0336	160	1.8	
0049	URUM	14	0411	0416	0426	S07	E28	4511	06	16.3	15	SN			C		31	.4	
0050	BUCA	14	0710		0730	S11	W14	4509	06	13.2	20	SF			C	0711	54	.6	
0051		14	0733	0735	0745	S04	E56	4513	06	18.5	12	SF					30	.5	DE
	KHAR	14	0722E		0801D	S03	E56	4513	06	18.5	39D	SF			V	0730			D
	HTPR	14	0733	0735	0745	S05	E56	4513	06	18.5	12	SF			C	0735	30	.5	E
0052		14	0814	0826	0840	S07	E24	4511	06	16.1	26	SN					24	.2	E
	HTPR	14	0814	0826	0837	S06	E25	4511	06	16.2	23	SF			C	0826	20	.2	E
	WEND	14	0830E		0842	S08	E24	4511	06	16.1	12D	SN			C	0830	28	.3	E

H - ALPHA SOLAR FLARES

147
Jun 84

JUNE 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement		Remarks	
																Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
0053		14	0825*	0837	0847	S06	E56	4513	06	18.5	22	SF				60	1.0	DEH	
	HTPR	14	0825	0841	0851	S05	E55	4513	06	18.5	26	SN				0841	100	1.7	E
	WEND	14	0835	0837	0843	S08	E56	4513	06	18.5	8	SF				0837	21	.4	H
	KHAR	14	0837E		0848D	S06	E57	4513	06	18.6	11D	SF				0837			D
0054	HTPR	14	0904	0905	0915	S05	E55	4513	06	18.5	11	SN			C	0905	60	1.0	E
0055	HTPR	14	0906	0910	0935	S12	W10	4509	06	13.6	29	SN			C	0910	100	1.0	E
0056		14	10016	1004*	1022	S06	E54	4513	06	18.4	21	SN					100	1.7	E
	KANZ	14	1001	1004	1017	S06	E54	4513	06	18.4	16	SF		1					
	HTPR	14	1007	1021	1028	S05	E54	4513	06	18.5	21	SN			C	1021	100	1.7	E
0057	RAMY	14	1123	1123	1141	S12	W11	4509	06	13.6	18	SF		3	C		26		
0058	RAMY	14	1127	1137	1148	S06	E54	4513	06	18.5	21	SN		3	C		18		
0059		14	1158	1204*	1259	S06	E53	4513	06	18.5	61	SN					25		K
	RAMY	14	1158	1204	1259	S06	E53	4513	06	18.5	61	SF		4	C		27		K
	RAMY	14	1158	1244	1259	S06	E53	4513	06	18.5	61	SN		4	C		23		K
0060	RAMY	14	1313	1325	1333	S06	E53	4513	06	18.5	20	SF		4	C		17		
0061		14	14522	1456	1518	S12	W13	4509	06	13.6	26	1B	C	1.9			198	3.2	E
	HTPR	14	1452		1510D	S12	W13	4509	06	13.6	18D	1B			C	1458	320	3.2	E
	RAMY	14	1454	1456	1518	S12	W13	4509	06	13.6	24	SB	C	1.9	4	C	77		
0062	RAMY	14	1556	1559	1617	S06	E52	4513	06	18.5	21	SF		4	C		102		
0063		14	1559	1605*	1733	S12	W14	4509	06	13.6	94	SN					42		K
	RAMY	14	1559	1605	1733	S12	W14	4509	06	13.6	94	SN		3	C		22		K
	RAMY	14	1559	1627	1733	S12	W14	4509	06	13.6	94	SN		3	C		61		K
		14	1633		1652	No Flare Patrol													
0064	RAMY	14	1757	1804	1813	S12	W15	4509	06	13.6	16	SF		3	C		35		
		14	1838		2051	No Flare Patrol													
0065	RAMY	14	2125	2130	2139D	S06	E50	4513	06	18.6	14D	SN		3	C		53		
0066		15	0151E	0209	0226	S06	E48	4513	06	18.7	35D	SN					64		
	PALE	15	0151E	0206U	0228	S05	E48	4513	06	18.7	37D	SN		3	C		75		
	LEAR	15	0207E	0209	0225	S06	E48	4513	06	18.7	18D	SN		3	C		52		
0067		15	0208	0215	0229	S12	W21	4509	06	13.5	21	SF					88		F
	PALE	15	0204E	0216U	0232	S12	W21	4509	06	13.5	28D	SF		3	C		96		
	LEAR	15	0208	0215	0226	S12	W21	4509	06	13.5	18	SF		3	C		79		F
0068	PALE	15	0237	0246	0304	S06	E45	4513	06	18.5	27	SF		3	C		32		F
0069	YUNN	15	0340E	0343U	0349D	S06	E47	4513	06	18.7	9D	SN				0343	94	1.4	B
0070	ABST	15	0402	0415	0440	S11	W23	4509	06	13.4	38	SF			P	0415	87	.9	D
0071	ABST	15	0445	0455	0515D	S04	E47	4513	06	18.7	30D	SF			P	0455	87	1.3	D
0072	ABST	15	0504	0505	0522	S12	W23	4509	06	13.5	18	SN			C	0505	175	1.8	D
0073		15	0758	0758	0806	S09	E39	4513	06	18.2	8	SF					40	.5	
	HTPR	15	0758	0758	0805	S08	E39	4513	06	18.2	7	SF			C	0758	40	.5	
	KANZ	15	0758	0802	0806	S10	E39	4513	06	18.3	8	SF		2					
0074		15	0817	0820	0824	S08	E44	4513	06	18.6	7	SF					18		F
	KANZ	15	0817	0820	0824D	S08	E44	4513	06	18.6	7D	SF		2					
	LEAR	15	0818	0820	0824	S08	E44	4513	06	18.6	6	SF		3	C		18		F
0075		15	0850	0855	0904	S06	E42	4513	06	18.5	14	SN					21	.3	EF
	LEAR	15	0850	0855	0903	S06	E43	4513	06	18.6	13	SN		3	C		22		FE
	HTPR	15	0850	0856	0906	S05	E40	4513	06	18.3	16	SF			C	0856	20	.3	E

H - ALPHA SOLAR FLARES

149
Jun 84

JUNE 1984

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Remarks			
								Region						No Day	(Min)		Opt Xray	See	Type
0093	LEAR	19	0202	0205	0213	S12	W78	4509	06	13.2	11	SF	3	C	13				
0094	KANZ	19	0658	0658	0702	S09	W06	4513	06	18.8	4	SF	1						
0095	RAMY	19	1228	1232	1308	S09	W10	4513	06	18.8	40	SF	3	C	56		F		
0096	RAMY	19	1407	1407	1412D	S09	W11	4513	06	18.8	50	SF	3	C	26		F		
		19	1456		1610												No Flare Patrol		
		19	1640		1747												No Flare Patrol		
		19	1822		1843												No Flare Patrol		
0097	HOLL	19	1908	1915	1919	S08	W13	4513	06	18.8	11	SF	2	C	21				
0098	HOLL	20	1719	1725U	1734	S16	E45	4520	06	24.1	15	SF	3	C	20				
		20	1747		1757												No Flare Patrol		
0099	HOLL	20	1839	1846	1900	S07	W19	4519	06	19.3	21	SN	3	C	67				
0100	HOLL	20	2003	2003	2010	S06	W27	4513	06	18.8	7	SN	3	C	22				
0101	HOLL	20	2033	2033	2042	S16	E43	4520	06	24.1	9	SB	3	C	47				
0102		20	2241	22455	2309	S07	W29	4513	06	18.8	28	SB			100	1.8	FKU		
	CULG	20	2241	2250	2257	S08	W30	4513	06	18.7	16	SN		C	2250	150	1.8		
	HOLL	20	2242	2245	2315	S06	W28	4513	06	18.8	33	SB	3	C	50			K	
	HOLL	20	2242	2249	2315	S06	W28	4513	06	18.8	33	SB	3	C	101			UFK	
0103		21	0710	0710	0720	S08	W36	4513	06	18.6	10	SF			24			DFIL	
	KHAR	21	0707E		0720D	S08	W37	4513	06	18.5	13D	SF		V	0708			DIL	
	LEAR	21	0710	0710	0720	S07	W35	4513	06	18.7	10	SF	3	C	24			F	
0104	HTPR	21	0731	0734	0742	S15	E33	4520	06	23.8	11	SF		C	0734	10	.1	G	
0105	KHAR	21	0903E		0908D	S08	W37	4513	06	18.6	5D	SF		V	0903			DI	
0106		21	1244	12441	1256	S06	W39	4513	06	18.6	12	SN			16	.1			
	RAMY	21	1244	1244	1252	S07	W38	4513	06	18.7	8	SN	3	C	22				
	HTPR	21	1244	1245	1259	S06	W40	4513	06	18.5	15	SF		C	1245	10	.1		
0107		21	12533	12571	1306	S08	W30	4519	06	19.3	13	SN			30	.2		E	
	HTPR	21	1253	1258	1307	S09	W30	4519	06	19.3	14	SN		C	1258	20	.2		E
	RAMY	21	1256	1257	1304	S08	W29	4519	06	19.4	8	SF	3	C	39				
0108		21	13404	13456	1451	S06	W34	4513	06	19.0	71	IN C 2.7			139	2.8		EFKS	
	HTPR	21	1340		1452D	S06	W33	4513	06	19.1	72D	IB		C	1357	240	2.8		EKS
	HOLL	21	1344	1345	1443	S07	W35	4513	06	18.9	59	SN C 2.7	3	C	39				
	RAMY	21	1344	1348	1445	S07	W35	4513	06	18.9	61	SN C 2.7	3	C	69				
	HOLL	21	1344	1351	1505	S05	W32	4513	06	19.2	81	IN	3	C	207				F
0109	ATHN	21	1353	1354	1423	N06	W29	4516	06	19.4	30	SB	1	V	1354	111	1.3		
0110	HOLL	21	1911	1912	1918	S06	W35	4519	06	19.2	7	SN	3	C	41				
0111	HOLL	21	2150E	2152U	2159	S05	W43	4513	06	18.7	9D	SN	3	C	38				
0112	YUNN	22	0303E	0308	0311D	S16	E24	4520	06	23.9	8D	SN		P	157	1.9			
0113		22	03381	03391	0347	S09	W38	4519	06	19.3	9	SN			51	.8		FH	
	CULG	22	0338	0339	0347	S09	W37	4519	06	19.4	9	SF		C	0339	40	.5		H
	LEAR	22	0339	0340	0346	S09	W38	4519	06	19.3	7	SN	3	C	34				F
	YUNN	22	0343E	0343U	0347	S08	W40	4519	06	19.1	4D	SN		P	0343	79	1.1		
0114	ABST	22	0404E	0407	0453D	S16	E23	4520	06	23.9	49D	SF		P	0407	87	1.0		DIK
0115	HTPR	22	0851	0853	0905	S13	E90	4521	06	29.1	14	SF		C	0853	10			

150
Jun 84

H - ALPHA SOLAR FLARES

JUNE 1984

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Cm Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
														Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0116	KHAR	22 0930E		1052D	S15 E19	4520	06	23.8	820	SF							DHLT
	KHAR	22 0930E		1002D	S16 E20	4520	06	23.9	320	SF		V	0942			LT	
	KHAR	22 0955E		1002D	S14 E19	4520	06	23.8	70	SF		V	0958			DT	
	KHAR	22 1034E		1052D	S16 E19	4520	06	23.9	180	SF		V	1045			HT	
		22 1003		1019	No Flare Patrol												
		22 1038		1039	No Flare Patrol												
0117	KHAR	22 1050E		1052D	S11 W90		06	15.7	20	SF		V	1050				
		22 1106		1123	No Flare Patrol												
0118	RAMY	22 1126	1131	1152	S15 E18	4520	06	23.8	26	SF		3	C		35		F
0119	RAMY	22 1158	1204	1255	S15 E17	4520	06	23.8	57	SF		3	C		30		
0120		22 1357	1419*	1518	S15 E15	4520	06	23.7	81	SN					70		FK
	RAMY	22 1357	1419	1518	S15 E15	4520	06	23.7	81	SN		3	C		67		K
	RAMY	22 1357	1501	1518	S15 E15	4520	06	23.7	81	SN		3	C		73		FK
		22 1726		1736	No Flare Patrol												
		22 1818		1823	No Flare Patrol												
0121		22 20347	20432	2108	S16 E12	4520	06	23.8	34	SN					44		
	HOLL	22 2034	2043	2109	S15 E12	4520	06	23.8	35	SN		3	C		41		
	PALE	22 2041	2045	2107	S16 E12	4520	06	23.8	26	SF		3	C		46		
0122	HOLL	22 2111	2113	2125	S15 E11	4520	06	23.7	14	SF		3	C		39		
0123	HOLL	22 2145	2148	2156	S16 E13	4520	06	23.9	11	SF		3	C		21		
0124	LEAR	23 0049	0050	0054	S15 E11	4520	06	23.9	5	SF		3	C		30		
0125		23 01208	01302	0150	S16 E10	4520	06	23.8	30	SN					56		F
	PALE	23 0120	0130	0145	S16 E10	4520	06	23.8	25	SF		3	C		41		
	LEAR	23 0128	0132	0154	S15 E11	4520	06	23.9	26	SN		3	C		72		F
0126	LEAR	23 0311	0313	0320	S15 E10	4520	06	23.9	9	SF		3	C		47		F
0127	LEAR	23 0349	0356	0417	S06 W60	4513	06	18.7	28	SF		3	C		82		F
0128	LEAR	23 0418	0422	0427	S15 E10	4520	06	23.9	9	SF		3	C		41		F
0129		23 0435*	0437*	0615	S15 E08	4520	06	23.8	100	SN	C 1.2				107	1.6	EFIKT
	LEAR	23 0435	0437	0446	S15 E10	4520	06	23.9	11	SF		3	C		30		
	YUNN	23 0445	0447	0452D	S15 E09	4520	06	23.9	70	IB			P		204	2.2	
	HTPR	23 0454E		0820	S15 E05	4520	06	23.6	2060	SB			C	0635	150	1.5	EK
	LEAR	23 0507	0507	0514	S15 E09	4520	06	23.9	7	SN		3	C		59		
	LEAR	23 0528	0532	0550	S15 E08	4520	06	23.8	22	SN	C 1.2	3	C		104		F
	ABST	23 0531	0537	0649D	S15 E09	4520	06	23.9	780	SN			P	0537	87	.9	EIK
	LEAR	23 0552	0602	0606	S16 E08	4520	06	23.8	14	SF		3	C		23		
	KANZ	23 0626	0630	0646	S15 E07	4520	06	23.8	20	SN		1					
	LEAR	23 0629	0630	0646	S15 E08	4520	06	23.9	17	SN	C 1.9	3	C		35		F
	CATA	23 0630	0635	0635D	S16 E07	4520	06	23.8	50	S	C 1.9	2	P	0635	140	1.5	T
	YUNN	23 0643E	0643U	0650D	S15 E07	4520	06	23.8	70	SB	C 1.9		P	0643	157	1.7	
	ISTA	23 0718E		0740D	S16 E06	4520	06	23.7	220	IB							E
PEKG	23 0730E	0730U	0740D	S15 E07	4520	06	23.8	100	SF			P	0730	189	2.0	E	
0130		23 0729*	0735*	0801	S06 W63	4513	06	18.6	32	SN					67	1.6	EUZ
	YUNN	23 0729	0736	0758	S05 W64	4513	06	18.5	29	IB			C		110	2.6	
	HTPR	23 0731	0737	0810	S06 W65	4513	06	18.4	39	SB			C	0735	40	.9	E
	KHAR	23 0732E	0735	0802D	S08 W64	4513	06	18.5	300	SF			V	0735			E
	ISTA	23 0733		0740D	S06 W63	4513	06	18.6	70	SB							UZ
	PEKG	23 0733	0735	0740	S06 W62	4513	06	18.7	7	SN			P	0735	71	1.6	E
	LEAR	23 0733	0735	0810	S06 W62	4513	06	18.7	37	SN		3	C		49		
	KANZ	23 0733	0737	0801	S06 W62	4513	06	18.7	28	SF		2					
CATA	23 0740	0750	0805	S04 W63	4513	06	18.6	25	S		1	C	0750	68	1.5		

152
Jun 84

H - ALPHA SOLAR FLARES

JUNE 1984

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)			
			27 0237		0242			No Flare Patrol													
			27 0314		0357			No Flare Patrol													
0152	HTPR	27	0723	0724	0726	S12	W56	4520	06	23.1	3	SF			C	0724	20	.3			
0153	HTPR	27	0744	0746	0750	N17	E90	4325	07	4.2	6	SF			C	0746	10				
0154	HTPR	27	1109	1112	1116	N06	E65	4523	07	2.3	7	SF			C	1112	20	.4			
0155	HTPR	27	1456	1503	1509	N17	E90	4525	07	4.5	13	SF			C	1503	10				
0156	KANZ	27	1809E		1809D	N14	E90	4525	07	4.5	13D										
			27 1812		1817			No Flare Patrol													
0157	LEAR	28	0351	0353	0406	N15	E90	4525	07	5.0	15	SF		3	C			14			
0158	HTPR	28	0744	0746	0800	N15	E88	4525	07	5.0	16	SN			C	0746	20				
0159	HTPR	28	1149	1152	1156	N13	E90	4525	07	5.3	7	SN			C	1152	20				
0160	HTPR	28	1331	1335	1338	S12	W60	4520	06	24.0	7	SF			C	1335	20	.4			
			28 1542		1546			No Flare Patrol													
0161		28	1617	1620	1635	N14	E79	4525	07	4.6	18	SF	C	1.3				62		F	
	HOLL	26	1617	1620	1635	N12	E81	4525	07	4.8	18	SF	C	1.3	3	C		71			
	RAMY	28	1618	1621	1634D	N15	E77	4525	07	4.5	16D	SF	C	1.3	3	C		52		F	
			28 1754		1821			No Flare Patrol													
			28 1926		1956			No Flare Patrol													
0162	HOLL	28	2025	2032	2032	S12	W66	4520	06	23.9	7	SF		3	C			14			
			28 2201		2207			No Flare Patrol													
0163		29	0618E	0655	20	N04	W64	4526	06	24.5	62D	SF						20	.4	DEH	
	KHAR	29	0618E		J25D	N04	W64	4526	06	24.5	7D	SF			V	0618				DEH	
	HTPR	29	0647E		J72D	N04	W64	4526	06	24.5	33D	SF			C	0653	20	.4		E	
	KHAR	29	0653E	0655	0715D	N04	W64	4526	06	24.5	22D	SN			V	0655				DEH	
0164	KHAR	29	0805E		0822D	N04	W65	4526	06	24.5	17D	SF			V	0805				D	
0165	KHAR	29	0933E	0934	0940D	N16	E90		07	6.2	7D	SN			V	0933				L	
0166	HOLL	29	2039	2048	2052	N11	E86		07	6.3	13	SF		3	C			11			
0167	HOLL	29	2119	2153	2156	N11	E87		07	6.4	37	SF		3	C			39			
0168	YUNN	30	0335E	0337	0343D	N03	E74		07	5.7	8D	IF			P			62		EG	
0169	LEAR	30	0503	0506	0511	N14	E65	4525	07	5.1	8	SF		3	C			14			
0170		30	0610	0616*	0650	N09	W62	4526	06	25.6	40	SF						10	.2	K	
	HTPR	30	0610	0616	0650	N09	W62	4526	06	25.6	40	SF			C	0616	10	.2		K	
	HTPR	30	0610	0637	0650	N09	W62	4526	06	25.6	40	SF			C	0616	10	.2		K	
0171	HTPR	30	0725	0730	0750	N09	W62	4526	06	25.6	25	SF			C	0730	10	.2			
0172	KHAR	30	0730E		0805D	S33	W90		06	23.2	35D	SN			V	0730				H	
0173	KHAR	30	0752E	0755	0802D	S17	W90	4520	06	23.5	10D	SN			C	0755				H	
0174		30	0908	0911	0926	N15	E60	4525	07	4.9	18	SF						20	.4	E	
	HTPR	30	0908	0911	0926	N13	E61	4525	07	5.0	18	SF			C	0911	20	.4			
	KHAR	30	0909E		0922D	N17	E59	4525	07	4.9	13D	SF			V	0909				E	
0175		30	0947	0948	0949	N15	E60	4525	07	4.9	2	SF						20	.4	E	
	KHAR	30	0946E		0951D	N17	E59	4525	07	4.9	5D	SF			V	0947				E	
	HTPR	30	0947	0948	0949	N13	E60	4525	07	4.9	2	SF			C	0948	20	.4			

H - ALPHA SOLAR FLARES

153
Jun 84

JUNE 1984

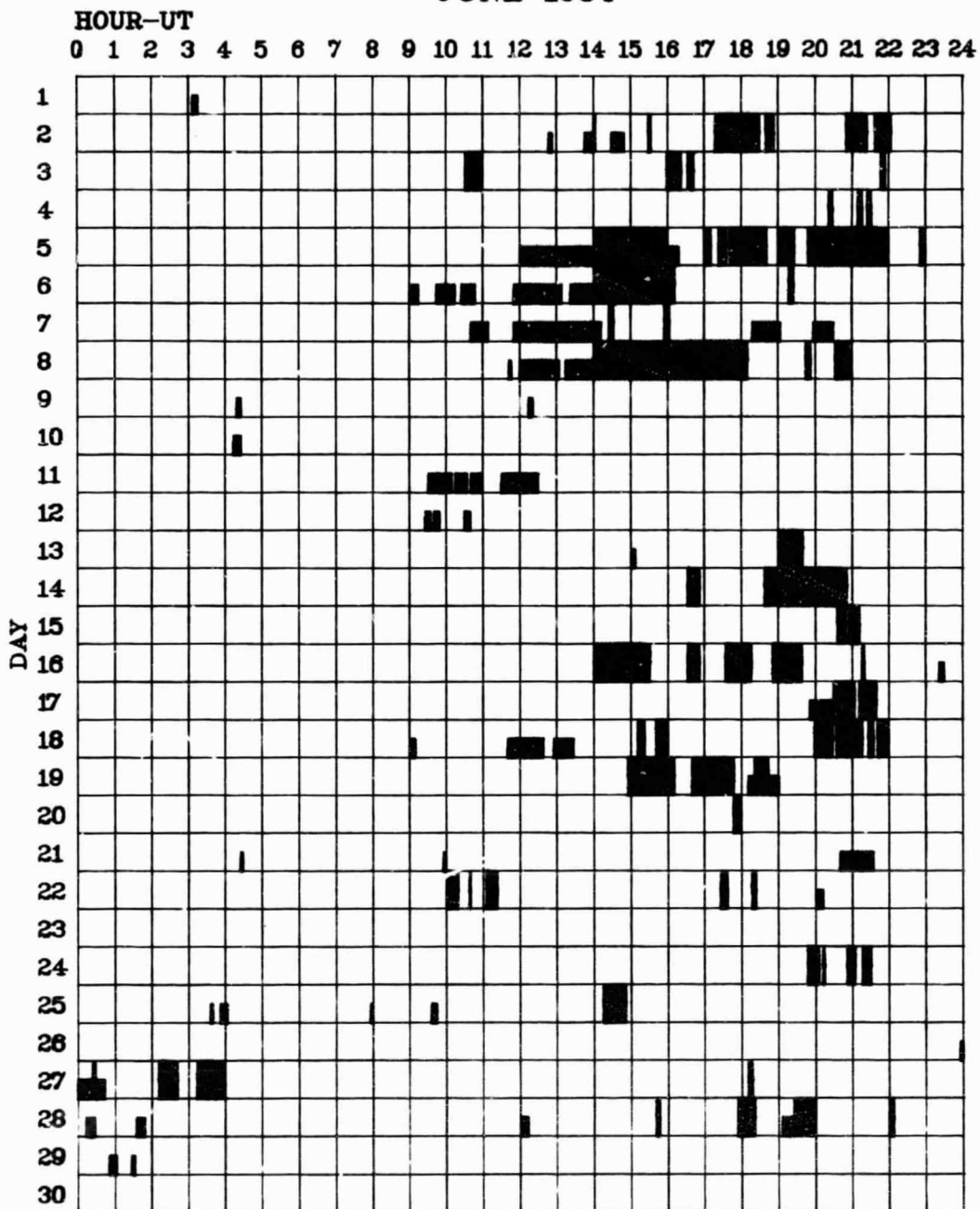
Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0176	HTPR	30	0952	0956	1013	S01	E69		07	5.6	21	SF				C	0956	10	.2	
0177		30	11041	11043	1120	N13	E59	4525	07	4.9	16	SN						21	.4	F
	RAMY	30	1104	1104	1122	N14	E61	4525	07	5.1	18	SN		3		C		20		F
	HTPR	30	1105	1106	1121	N13	E59	4525	07	4.9	16	SF				C	1106	10	.2	
	ATHN	30	1106E	1107	1118	N12	E58	4525	07	4.8	12D	SN		3	V		1107	32	.6	
0178		30	1221*	1226*	1240	N14	E60	4525	07	5.0	19	SF						18		F
	RAMY	30	1221	1226	1232	N14	E60	4525	07	5.0	11	SF		3	C			21		
	RAMY	30	1237	1238	1247	N14	E60	4525	07	5.1	10	SF		3	C			14		F
0179		30	1303*	1314*	1419	N14	E61	4525	07	5.1	76	SN	C 1.3					66	1.6	EFH
	HOLL	30	1303	1314	1442	N14	E63	4525	07	5.3	99	SN	C 1.3	3	C			83		F
	RAMY	30	1311	1314	1405	N15	E62	4525	07	5.2	54	SN	C 1.3	3	C			58		FH
	HTPR	30	1311	1317	1400	N13	E58	4525	07	4.9	49	SB				C	1317	80	1.6	E
	RAMY	30	1407	1412	1429	N15	E61	4525	07	5.2	22	SF		3	C			45		
0180		30	15097	15142	1531	N14	E58	4525	07	5.0	22	SF						20		
	HOLL	30	1509	1514	1531	N12	E55	4525	07	4.8	22	SF		3	C			23		
	RAMY	30	1516	1516	1524D	N15	E61	4525	07	5.2	8D	SF		3	C			16		
0181	HTPR	30	1556	1558	1600	N13	E57	4525	07	5.0	4	SN				C	1558	20	.4	
0182	RAMY	30	1752	1754	1802	N14	E56	4525	07	5.0	10	SF		3	C			20		
0183	HTPR	30	1759		1804D	N01	E65		07	5.6	5D	SF				C	1801	20	.4	
0184	HOLL	30	1848	1849	1853	N13	E56	4525	07	5.0	5	SF		3	C			18		
0185		30	23231	23241	2338	N12	E57	4525	07	5.3	15	SN						45		F
	PALE	30	2323	2324	2339	N12	E57	4525	07	5.3	16	SN		3	C			57		F
	HOLL	30	2324	2325	2336	N11	E57	4525	07	5.3	12	SN		3	C			33		F

"Remarks":

- | | |
|--|---|
| <p>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.</p> | <p>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.</p> |
|--|---|

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

JUNE 1984



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.

- | | | | | |
|------------|----------------|-------------|------------|-------------|
| Abastunani | Culgoora | Kanzelhoehe | Manila | Ramey |
| Athens | Haute Provence | Kharkov | Mitaka | Urumqi |
| Bucharest | Holloman | Kodaikanal | Palehua | Voroshilov |
| Catania | Istanbul | Learmonth | Peking | Wendelstein |
| | | Lvov | Purple Mt. | Yunnan |

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	480	540	769	696*	753*	616*	545*	565*	749*
1983	332*	220*	337*	346*	609*	561*	427*	395*	289*	298*	88*	152*
1984	353*	461*	366*	440*	492*	185*						

* Preliminary

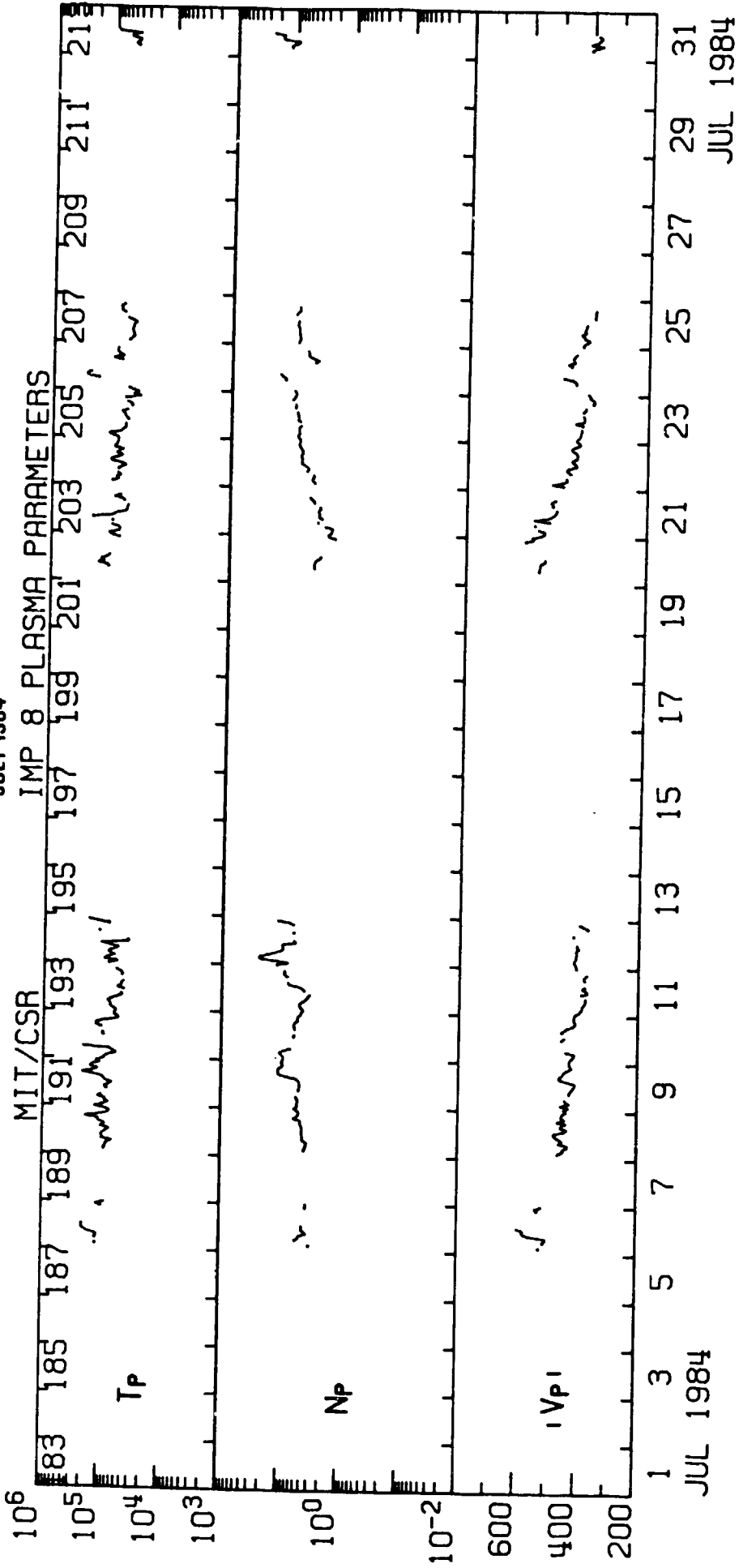
C O N T E N T S

Comprehensive Reports	MISCELLANEOUS DATA	Number 494	Part II
			Page
INTERPLANETARY SOLAR WIND July 1984-March 1985			
IMP 8 Solar Wind			158-166
ERRATA: Solar X-Rays Event List January 1985.			167-168

Preceding page blank

IMP 8 SOLAR WIND PLASMA

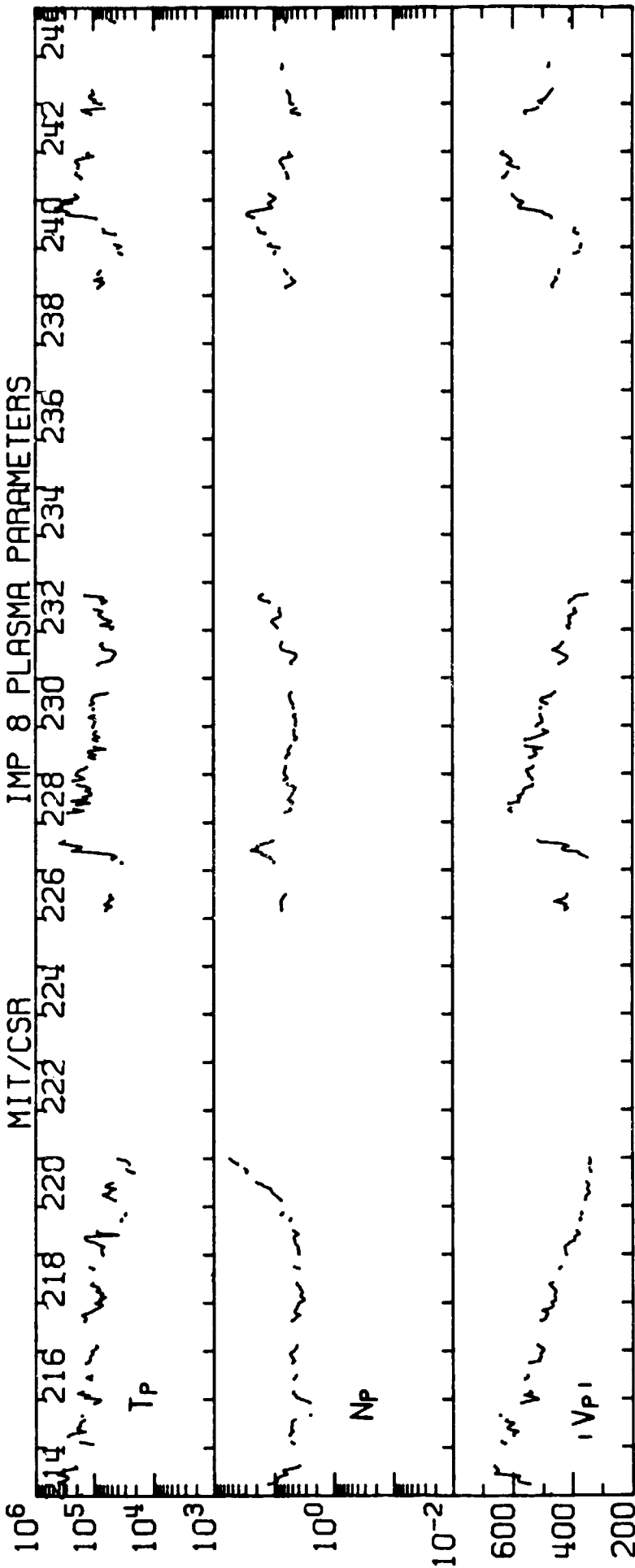
JULY 1984



IMP 8 SOLAR WIND PLASMA

AUGUST 1984

MIT/CSR IMP 8 PLASMA PARAMETERS



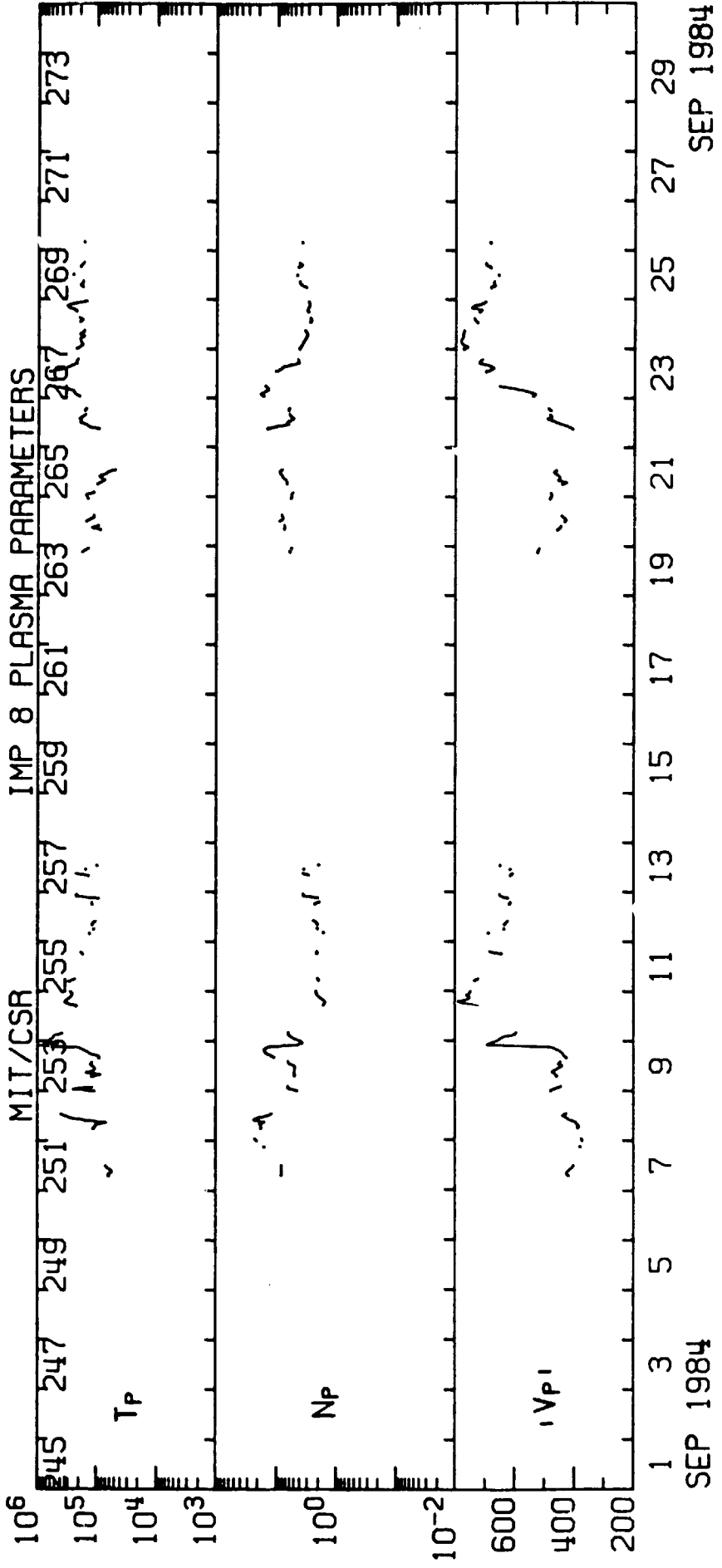
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31
 AUG 1984 AUG 1984

IMP 8 SOLAR WIND PLASMA

SEPTEMBER 1984

MIT/CSR

IMP 8 PLASMA PARAMETERS

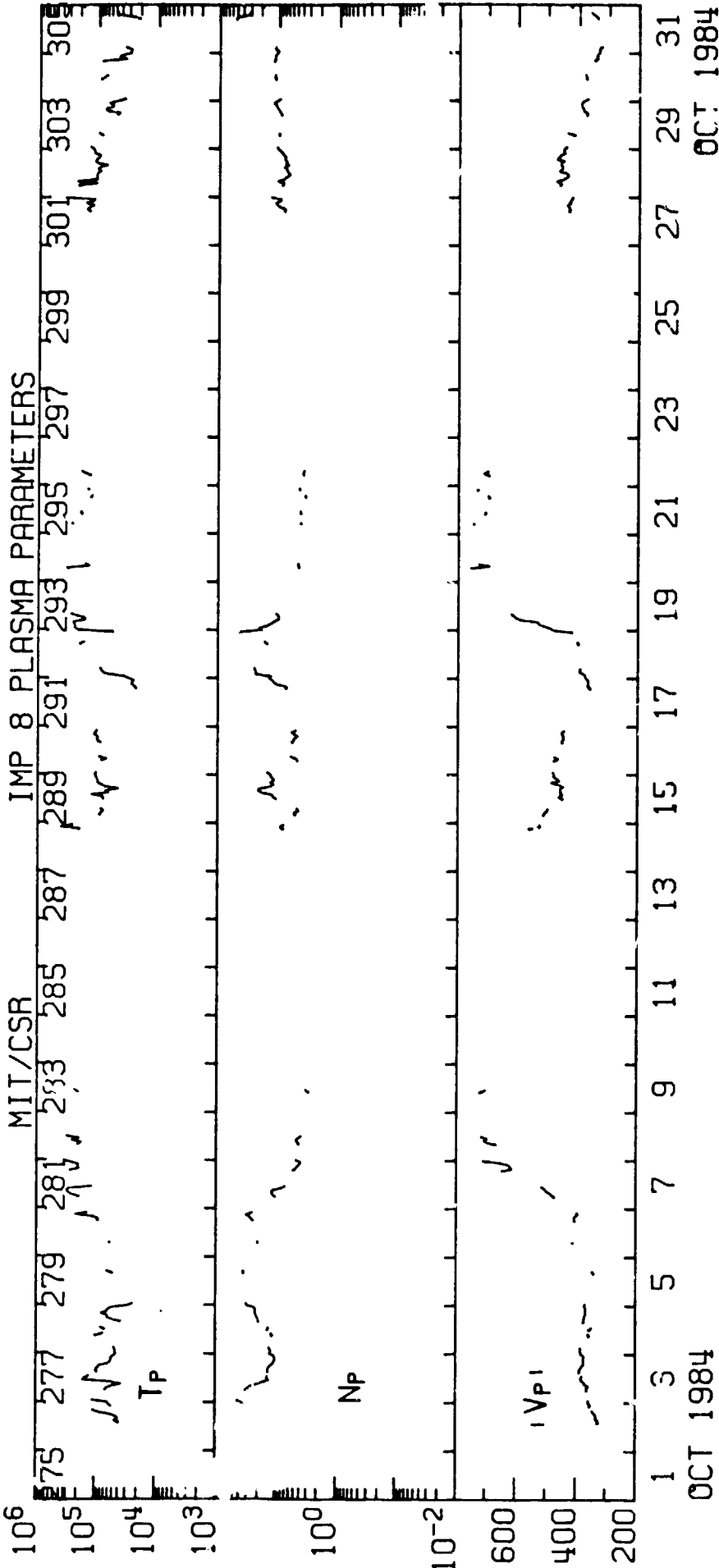


SEP 1984

SEP 1984

IMP 8 SOLAR WIND PLASMA

OCTOBER 1984



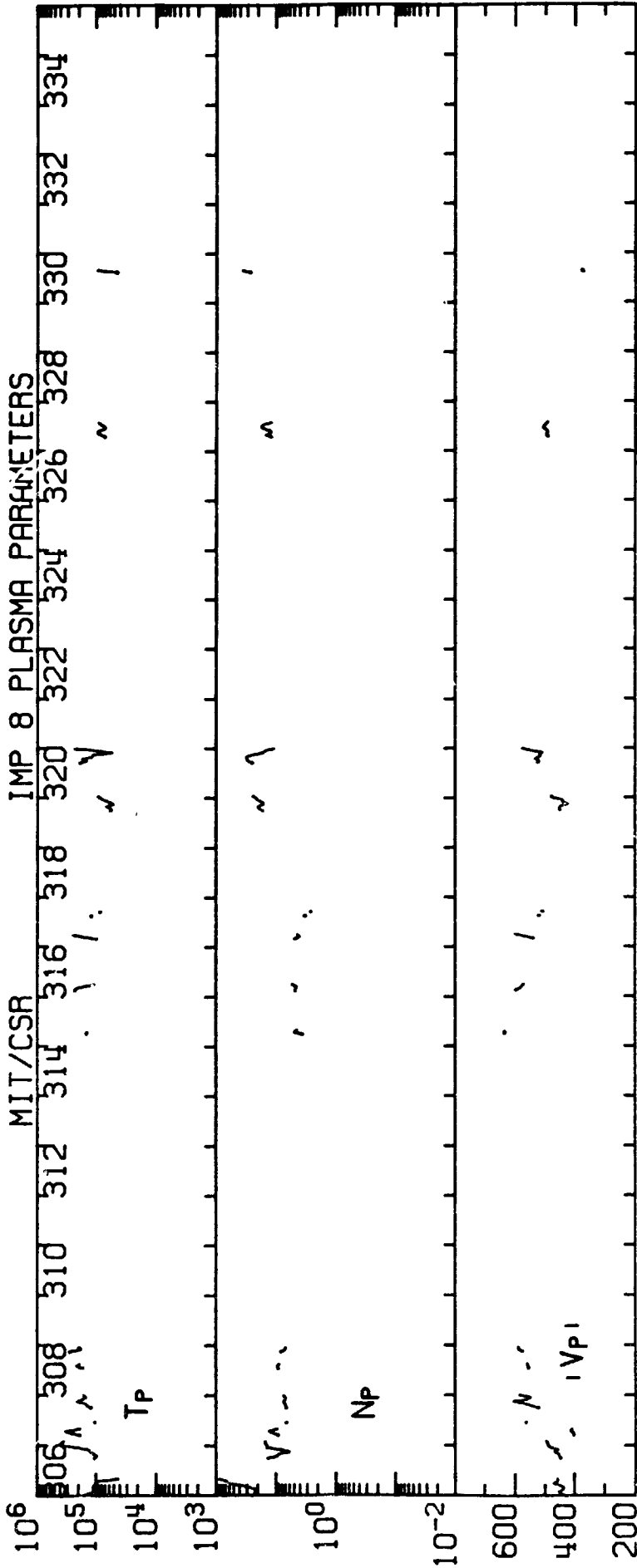
161
Misc
Oct 84

IMP 8 SOLAR WIND PLASMA

NOVEMBER 1984

MIT/CSR

IMP 8 PLASMA PARAMETERS



1 3 5 7 9 11 13 15 17 19 21 23 25 27 29
NOV 1984 NOV 1984

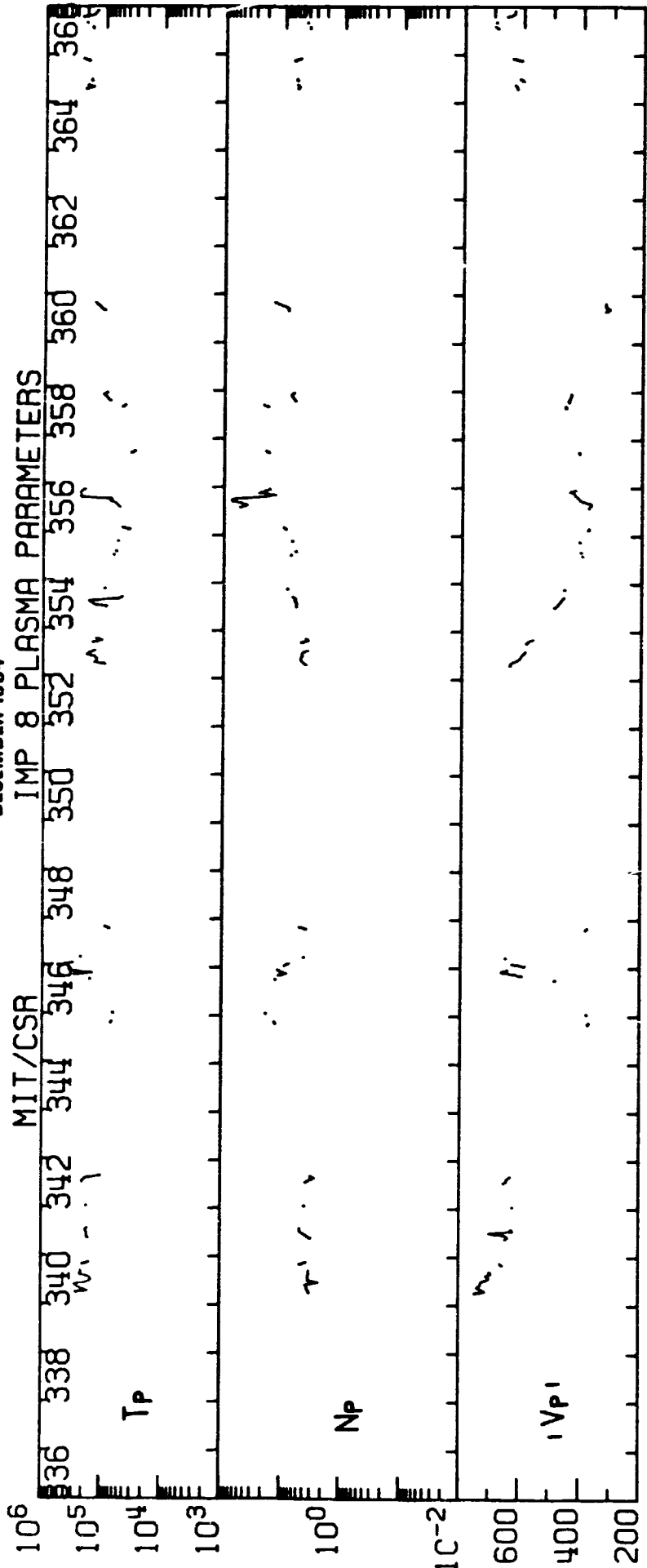
Small vertical text at the bottom of the page, likely a reference or archival note.

IMP 8 SOLAR WIND PLASMA

DECEMBER 1984

MIT/CSR

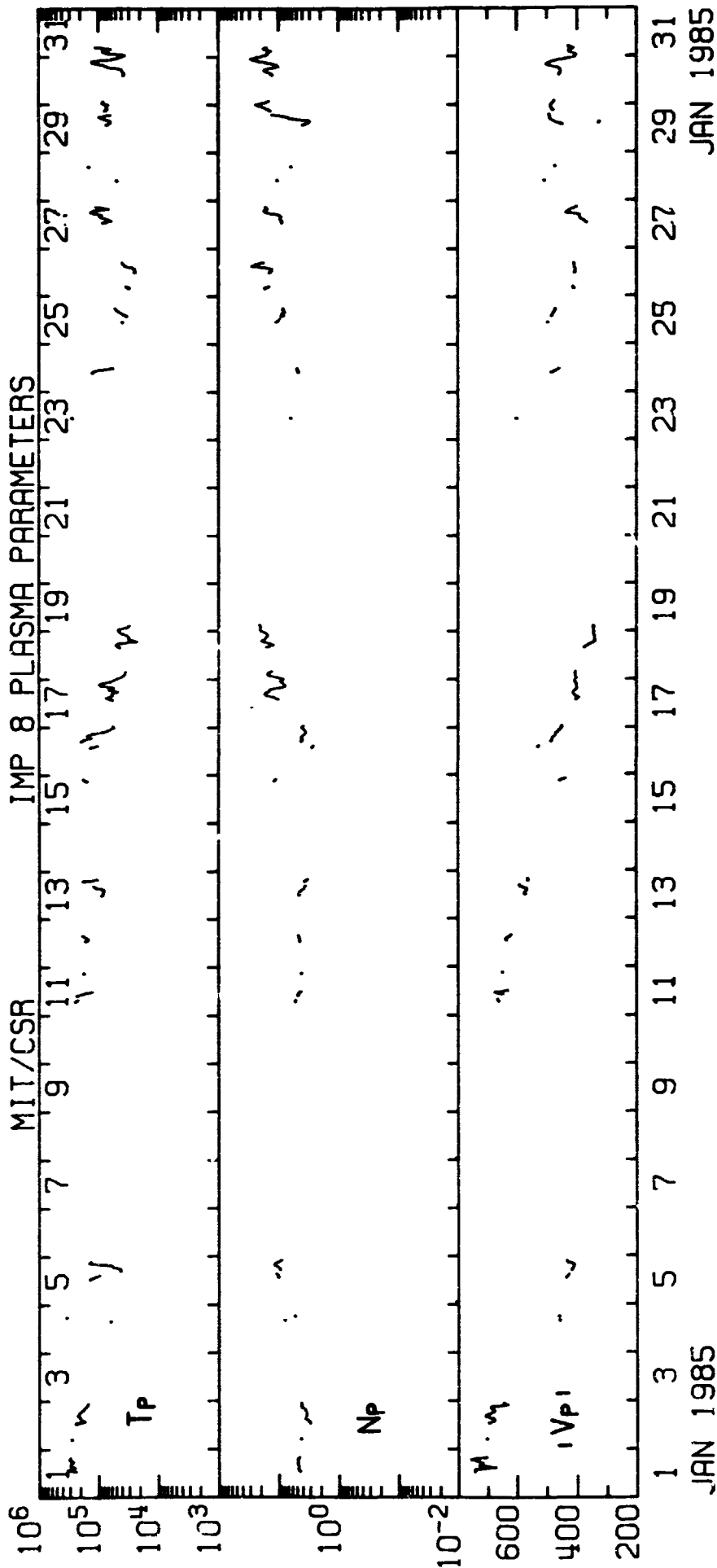
IMP 8 PLASMA PARAMETERS



1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31
DEC 1984

DEC 1984

IMP 8 SOLAR WIND PLASMA
JANUARY 1985
IMP 8 PLASMA PARAMETERS



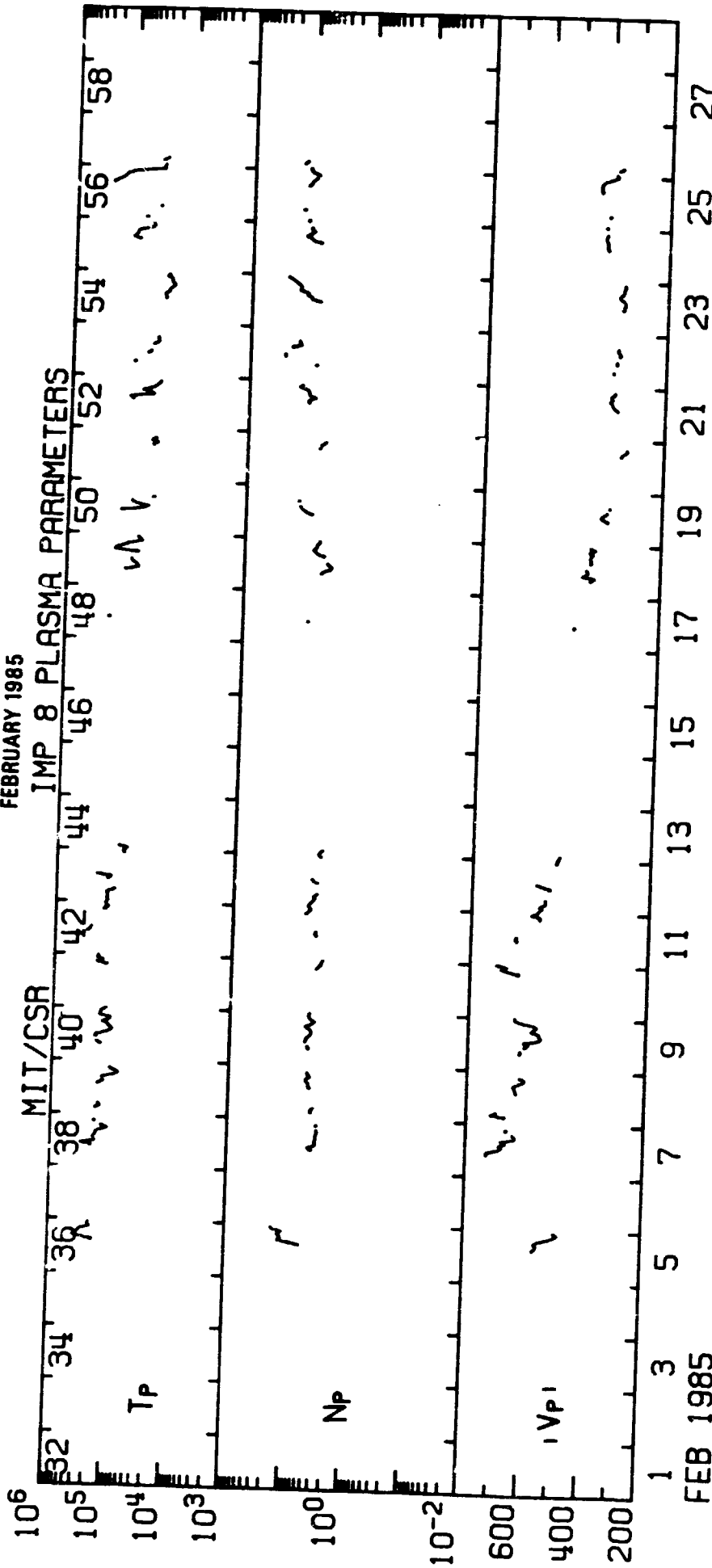
JAN 1985

JAN 1985

IMP 8 SOLAR WIND PLASMA

FEBRUARY 1985

MIT/CSR IMP 8 PLASMA PARAMETERS

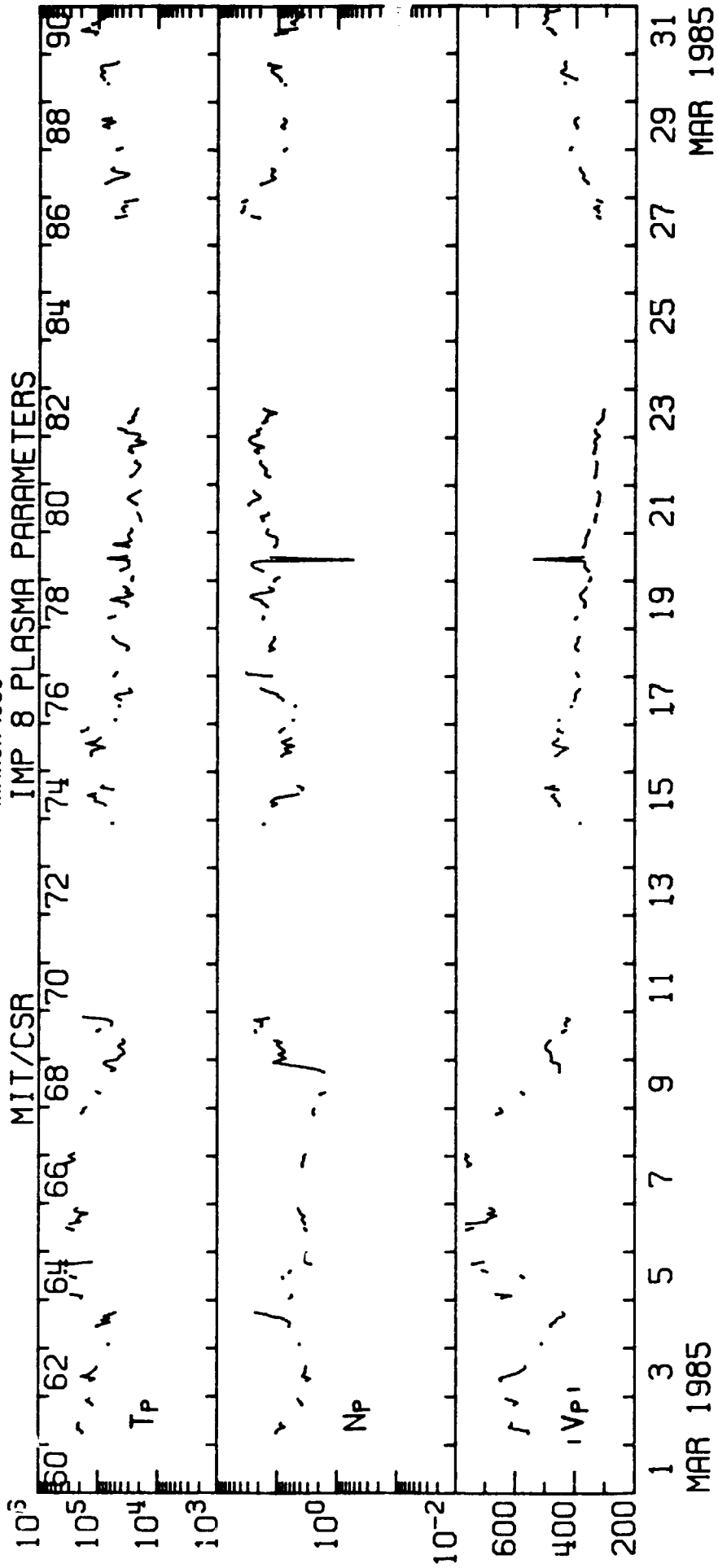


FEB 1985

IMP 8 SOLAR WIND PLASMA

MARCH 1985

IMP 8 PLASMA PARAMETERS



MAR 1985

MAR 1985

ERRATA: Data which appeared in SGD 491 Part II page 21 were in error. The time of maximum and the end time were interchanged. Corrected data appear here.

167
ERR
Jan 85

GOES SOLAR X-RAY FLARES
Preliminary Listing

January 1985

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	Imp Opt	Xray
01	0707	0716	0732	S11	W44	4611	SF	B0.9
13	1616	1623	1631					B7.4
13	1725	1731	1735					B2.1
13	1828	1836	1842					C2.1
13	1959	2005	2008					B1.6
13	2325	2331	2338					B2.9
13	2348	2354	2356					B1.7
14	0035	0036	0046	S08	E07	4616	SF	B2.9
14	0417	0418	0421	S09	E03	4616	SF	B1.8
14	0609	0615	0626			4616		B1.7
14	0633	0640	0652					B1.8
14	0919	0922	0942	S09	E01	4616	SF	B4.5
14	1601	1604	1608			4616		B8.1
14	1750	1845	1900					B3.0
14	2118	2125	2128					B1.6
15	0125	0135	0139			4616		B1.5
15	0912	1916	2120D	S08	W17	4616	IN	C3.1
16	0657	0701	0710	S08	W24	4616	SF	B3.0
16	1350E	1415	1424D	S08	W29	4616	IB	B3.0
16	1624	1631	1633					B4.9
16	1828	1833	1850			4616		B1.9
16	1917	1919	1925	S09	W31	4616	SF	B2.8
16	2227	2232	2234					B1.7
17	0137	0142	0144					B3.8
17	0321	0325	0328			4616		B2.7
17	0555	0559	0607	S08	W39	4616	SF	B3.2
17	0619	0623	0625					B2.4
17	0643	0647	0650					B1.8
17	0958	1002	1004					B1.7
17	1339	1344	1347					B3.4
17	1402	1410	1425	S11	W31	4616	SN	B4.5
17	1443	1446	1448					B4.0
17	1502	1540	1640	N20	W90	4615	SB	B1.7
17	1703	1706	1710					B1.3
17	1746	1750	1753					B1.6
17	1927	1931	1938					B1.6
17	2223	2227	2229					B1.5
18	0333	0337	0341					B1.4
18	0555	0558	0604					B2.0
18	1056	1111	1124					B2.1
18	1159	1202	1206					B2.1
18	1206E	1208	1315D	S06	W54	4616	SN	B2.2
18	1521	1525	1527					B2.7
18	1901	1908	1918					B1.3
19	0118	0131	0140					B1.6
19	0309	0313	0315					B1.1
19	0332	0335	0338					B1.3
19	0452	0455	0457					B2.0
19	0702	0704	0715	S06	W65	4616	SF	B5.2
19	1320	1325	1327					B1.1
19	1631	1643	1656	S10	W10	4617	SF	B3.1
19	2100	2112	2125					B2.2
20	0011	0018	0030	S10	W11	4617	SN	C2.3
20	0227	0234	0302D	S09	W13	4617	SF	C1.3
20	0316	0319	0321					B6.8

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	Imp Opt	Xray
20	0517	0526	0537					B7.8
20	0607	0610	0613					B4.6
20	1252	1257	1300					C2.1
20	1325	1336	1351					C2.2
20	1410	1437	1453					C2.6
20	2039	2055	2155	S09	W24	4617	IB	M4.1
21	0000E	0012	0028	S10	W25	4617	SN	C2.0
21	0103	0106	0108					B4.8
21	0159	0202	0204					B6.5
21	0204	0219	0234	S09	W29	4617	SN	C2.0
21	0239	0354	0453	S10	W30	4617	IB	M2.2
21	0455	0506	0659	S11	W29	4617	IB	M1.1
21	0707	0708	0722	S09	W28	4617	SN	C1.9
21	0955	1008	1023	S10	W32	4617	SN	C4.6
21	1046	1048	1054	S11	W30	4617	SB	C8.8
21	1302	1315	1358	S08	W33	4617	SN	C1.8
21	1410	1425	1513	S08	W34	4617	SB	M2.4
21	1514	1518	1549			4617		M1.2
21	1611	1618	1623			4617		C2.2
21	1636	1653	1657D	S09	W35	4617	SB	M3.3
21	2127	2132	2200	S08	W38	4617	IB	M1.2
21	2209	2210	2327	S06	W34	4617	SN	C3.0
21	2352	0011	0237	S08	W38	4617	2B	X4.7
22	0728	0729	0745	S09	W42	4617	SN	B8.4
22	1100	1104	1128	S10	W45	4617	IB	C3.1
22	1551	1554	1557					B2.8
22	1628	1633	1637					C1.1
22	1853	1900	1905					B8.8
22	2054	2056	2152	S11	W53	4617	SB	B5.6
22	2356	2359	0003			4617		B4.2
23	0340	0414	0453	S13	W56	4617	SN	C1.1
23	0548	0632	0641	S11	W57	4617	SF	B5.8
23	0725	0740	0827	S12	W59	4617	IB	M1.3
23	0943	0948	0953			4617		B8.4
23	1109	1115	1125			4617		C3.6
23	1140	1157	1236	S10	W59	4617	SB	C5.8
23	1238	1241	1256	S11	W58	4617	SB	C2.5
23	1730	1732	1753	S11	W63	4617	SB	C2.0
23	2023	2030	2039			4617		B6.3
23	2110	2116	2124			4617		B9.7
24	0044	0045	0113	S11	W67	4617	SB	C4.0
24	0329	0332	0337					B2.1
24	0442	0446	0450			4617		B5.5
24	0548	0554	0616	S11	W70	4617	SF	C1.8
24	0650	0659	0702					B2.1
24	0935	0939	0942					B1.7
24	1000	1006	1011					B3.9
24	1057	1104	1108					B7.4
24	1122	1128	1134			4617		C3.0
24	1421	1426	1437					B2.3
24	1641	1648	1854					B3.8
25	1344	1349	1351					B3.1
25	2342	2346	2357					B5.1
26	0128	0134	0139					B2.0
26	0342	0346	0350					B2.4
26	0743	0755	0758					B2.6