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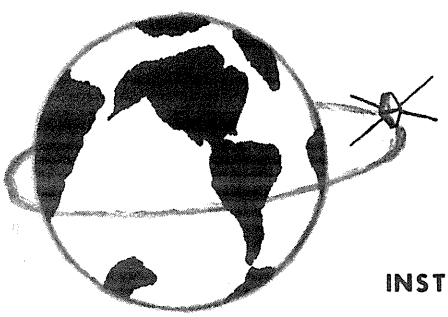
SOLAR-GEOPHYSICAL DATA

Issued: August 1966



U. S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
INSTITUTE FOR TELECOMMUNICATION SCIENCES AND AERONOMY
BOULDER, COLORADO
80302

CRPL-FB 264

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ISSUED

31 AUGUST 1966

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CONTENTS

The descriptive text was republished in January 1966. Addenda have been given in the introduction of the CRPL-FB reports for April and May 1966.

Mt. Wilson Magnetic Classification of Sunspots:

Starting with the data for July 1966 the Mount Wilson magnetic sunspot classification lists include the Mount Wilson numbers for all spot groups observed at Mount Wilson. If a magnetic classification is based on magnetic measurements, that classification is enclosed in parentheses. A magnetic classification not enclosed in parentheses is determined from the appearance of the spot groups and the plage. An "X" in the classification column indicates sufficient information was not available to make an intelligent determination of the magnetic classification. Up to this time the only magnetic classifications included in these lists have been those for which there were magnetic measurements.

Solar X-Ray Radiation:

The descriptive text of January 1966 described the instrumentation for the NRL Solar Radiation Satellite 1964-01D. Data from the NRL satellite, Explorer 30, 1965 - 93A for March and June 1966 are given in this issue. Descriptive text for 1965 - 93A is given below:

1. Daily Average X-ray Flux Indices

The average x-ray flux index for each day is calculated from individual records made during the intervals listed in the Table of Observing Times. Four x-ray bands are normally monitored but because of the great variability observed in the 0.5-3 A band this data is not included in the table of daily averages.

a. 44-60 A Index

The reduction of the 44-60 A photometer signal to flux values involves the use of a "gray body" approximation (reference 1) in which a temperature of 0.5×10^6 ^{o}K is used to define the wavelength distribution. Austin, Purcell, and Tousey (reference 2) have photographed a line spectrum in the region 44-60 A. Until quantitative measurements of line intensities are made for this region the 44-60 A flux levels must be used with some reservation. Comparisons of flux values at different times can however be made with an accuracy set by a standard deviation of about 2% in the flux value obtained from the record of an individual satellite pass during quiet solar conditions.

b. 8-20 Å Index

The 8-20 A flux index is calculated on the assumption that this region of the solar spectrum may be approximated by a 2×10^6 °K "gray body." Measurement of the solar spectrum between 13 and 26 Angstroms by Blake, Chubb, Friedman and Unzicker (reference 3) has revealed a number of emission lines, thus the same qualifications must be made in assigning an error to the absolute flux values as was made in the case of the 44-60 A index. The standard deviation in the average flux is about 8% for this band.

c. 0-8 A Index

The flux index in this spectral range is calculated using a 2×10^6 °K "gray body" approximation. For purposes of comparison of the flux indices a standard deviation of about 15% in the average flux value computed for a single pass may be used.

2. Outstanding Events

In this Table are listed those intervals and flux indices when the flux in the 0-8 A and 0-3 A bands was significantly different from the average for the day or when a change in flux value with time was observed. In this Table the 44-60 A index is omitted because of the relatively small changes observed with solar activity in this band.

3. Times of Observation

These are the intervals of time (UT) when the satellite was in range of a telemetry station. Intervals have not been included when x-ray flux could not be reduced due to noise or other interference.

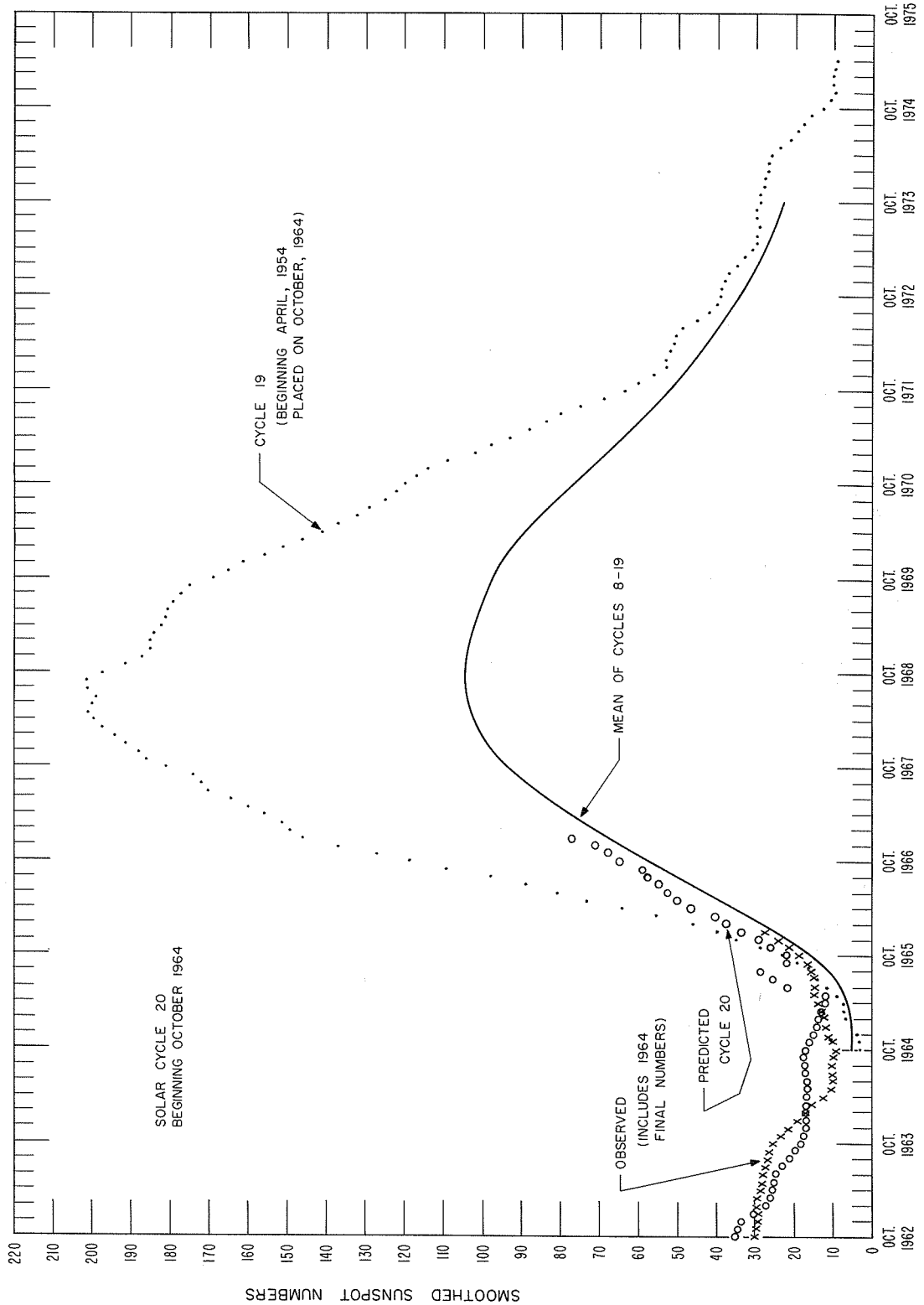
* * * * * * *

REFERENCES

1. Kreplin, R. W., Ann. Geophys., 17, 151-161 (1961).

2. Austin, W. E., J. D. Purcell and R. Tousey, Astron. J., 69, 133 (1964).

3. Blake, R. L., T. A. Chubb, H. Friedman and A. E. Unzicker, Astrophys. J., 142, 1-12 (1965).



PREDICTED AND OBSERVED SUNSPOT NUMBERS

RELATIVE SUNSPOT NUMBERS

ZURICH, R_Z

	1965					1966						
Day	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1	0	20	52	29	13	18	7	25	64	50	71	49
2	0	20	63	28	8	17	9	11	58	48	74	49
3	15	21	60	20	8	16	20	11	74	57	41	54
4	14	22	62	13	8	15	17	18	74	61	60	53
5	0	22	55	13	8	8	17	12	55	38	43	48
6	16	19	39	29	8	7	17	14	59	23	43	46
7	7	23	27	40	8	7	16	10	70	13	38	58
8	31	22	7	46	15	13	13	9	65	16	35	68
9	12	18	8	38	7	13	10	15	47	8	33	56
10	14	15	13	41	7	7	11	13	37	0	25	58
11	16	19	8	40	0	8	14	10	25	14	43	52
12	13	17	9	26	0	0	8	0	27	14	34	62
13	8	17	8	17	14	17	16	0	24	23	34	56
14	7	8	7	16	0	30	12	0	29	52	31	37
15	0	8	0	10	14	36	16	9	29	46	22	34
16	0	16	7	9	22	57	13	26	35	47	40	48
17	0	8	0	7	21	50	19	44	40	33	46	42
18	7	9	0	0	20	64	24	53	40	27	39	49
19	7	7	10	0	18	68	32	60	24	34	33	38
20	7	0	12	0	15	63	39	54	37	57	42	65
21	7	0	15	0	10	52	41	49	40	80	29	55
22	0	0	26	7	11	44	50	52	56	66	34	66
23	0	11	23	0	9	38	55	40	69	68	59	56
24	8	17	16	7	8	41	42	31	58	68	63	70
25	0	13	24	0	12	27	37	23	56	64	80	67
26	8	17	17	7	23	19	36	18	54	70	78	74
27	14	24	17	0	29	16	35	10	40	66	69	52
28	12	23	9	8	64	14	31	12	40	60	52	61
29	16	37	8	8	64	19		35	48	39	47	76
30	15	50	8	15	44	28		42	52	58	55	63
31	22		14		38	15		52		56		66
	8.9	16.8	20.1	15.8	17.0	26.7	23.5	24.5	47.5	43.7	46.4	55.7

All Zürich Sunspot Numbers, Rz, for 1965 are Final. The numbers for 1966 are Provisional.

AMERICAN, R_A'

	1965					1966						
Day	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1	0	15	33	29	10	25	0	11	32	24	56	33
2	0	17	39	27	10	21	12	12	37	37	48	37
3	7	19	50	20	10	19	14	14	34	35	41	54
4	2	19	43	11	9	13	16	16	49	19	50	51
5	0	16	37	1	10	7	17	15	40	15	39	36
6	0	21	26	29	12	1	15	14	47	17	26	30
7	7	21	16	43	9	0	14	10	49	12	22	52
8	6	19	5	34	2	1	13	10	55	11	26	45
9	9	19	10	38	3	0	12	16	36	8	27	49
10	10	18	11	43	0	0	14	15	26	0	24	44
11	10	17	11	38	0	0	15	7	19	0	26	56
12	14	21	9	24	0	0	11	0	22	5	32	47
13	1	18	10	15	0	19	12	3	16	9	18	27
14	1	12	2	16	0	30	14	1	22	22	21	19
15	0	11	0	14	18	37	13	15	31	28	24	14
16	0	10	0	12	21	31	16	21	28	24	33	33
17	0	5	0	0	18	43	13	43	28	18	36	40
18	3	4	0	0	19	43	25	46	29	14	31	40
19	1	2	8	0	16	55	24	46	16	33	27	35
20	2	1	12	0	0	55	33	41	42	56	28	46
21	0	0	14	0	7	41	36	32	38	59	32	38
22	0	0	22	0	8	34	43	29	42	51	42	43
23	0	14	20	3	10	36	55	19	58	59	58	56
24	0	14	21	4	6	31	47	17	51	59	61	59
25	0	12	16	0	17	18	47	16	47	49	66	57
26	3	15	11	0	20	14	47	10	34	61	62	65
27	16	13	12	0	35	15	32	0	22	48	44	62
28	12	21	11	6	44	14	28	12	22	41	35	75
29	3	35	11	9	55	20		36	33	40	29	71
30	12	41	11	10	47	21		41	33	37	33	75
31	19		12		28	3		32		56		75
Mean:	4.5	15.0	15.6	14.2	14.3	20.9	22.8	19.4	34.6	30.5	36.6	47.2

DAILY SOLAR FLUX AT 2800 Mc/s

Ic

OTTAWA ARO

OBSERVED FLUX,S

	1965					1966						
Day	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1	72.0	75.4	92.0	78.8	75.4	82.0	79.9	81.2	106.9	90.3	101.9	96.8
2	73.0	75.9	93.2	79.5	75.0	78.9	79.2	78.0	106.4	92.5	101.0	95.0
3	77.3	76.6	96.0	81.1	74.9	78.5	79.8	77.1	102.1	92.4	99.7	96.0
4	78.4	76.7	97.5	79.8	74.5	80.5	81.3	76.7	102.5	91.0	99.1	101.4
5	76.3	78.7	91.6	78.0	75.4	80.0	82.9	76.0	101.9	87.0	98.7	101.6
6	78.8	77.1	85.2	80.7	76.2	79.7	84.5	76.6	104.0	86.0	98.9	106.1
7	79.6	77.7	83.6	85.2	75.3	80.9	85.1	77.4	102.6	88.2	94.1	108.9
8	77.3	78.6	82.8	80.4	76.7	80.6	84.6	77.5	107.0	86.2	96.6	110.6
9	77.6	76.1	83.3	82.0	75.0	80.1	85.2	79.6	100.0	85.9	95.9	104.3
10	76.1	75.6	80.4	84.1	75.3	79.8	86.0	79.6	94.4	84.9	93.9	104.6*
11	76.7	75.7	76.0	84.2	75.6	80.9	85.8	79.0	93.5	86.6	93.2	105.4
12	75.9	75.3	74.8	80.8	75.9	84.0	85.4	79.3	94.4	90.7	93.0	99.4
13	74.8	75.0	75.8	77.3	74.0	87.2	86.1	81.0	92.6	91.0	93.1	97.2
14	73.7	75.2	74.7	76.0	74.7	93.2	86.1	82.3	90.5	95.1	93.9	96.6
15	72.5	74.9	73.8	76.5	76.8	101.9	85.4	88.1	95.7	97.1	91.8	97.9
16	73.8	73.7	72.3	74.0	77.6	106.0	84.7	93.8	92.6	97.9	94.9	99.5
17	72.4	73.8	72.5	74.3	78.4	101.7	84.1	106.2	94.5	96.7	96.4	98.0
18	73.2	73.0	72.2	75.0	78.4	104.8	84.1	110.6	92.1	96.4	95.1	98.1
19	74.3	72.8	71.8	73.4	76.8	108.6	83.0	115.5	88.2	104.6	93.8	98.3
20	73.7	72.8	72.7	72.7	74.5	102.3	84.7	111.9	92.6	112.8	91.3	98.6
21	73.6	72.5	73.3	72.2	74.1	98.9	87.6	121.2	90.8	120.6	90.5	100.5
22	72.9	71.2	76.2	71.8	72.3	94.7	87.9	105.8	92.4	118.1	93.0	103.2
23	73.0	71.8	78.7	71.3	72.7	93.5	84.5	96.8	97.8	111.1	96.0	111.3
24	72.7	76.1	76.3	71.2	71.2	91.8	83.7	93.5	102.5	114.7	100.2	116.9
25	72.2	75.8	77.9	70.6	72.1	88.1	80.9	91.6	102.6	112.2	101.5	122.1
26	72.0	77.0	78.2	71.8	76.9	85.4	84.8	85.0	100.0	109.4	102.1	123.7
27	74.5	78.4	78.0	74.1	83.7	82.4	84.8	83.4	95.6	105.6	97.5	120.1
28	73.2	80.5	77.2	77.0	83.8	80.5	85.7	87.9	93.6	-	98.1	120.5
29	74.2	87.3	76.7	73.9	84.7	80.7		96.4	93.1	103.2	96.5	128.9
30	75.0	89.0	76.2	75.1	81.9	78.7		99.2	91.9	98.8	97.4	124.2
31	74.9		78.1		80.8	77.7		110.6		102.7		121.0
Mean:	74.8	76.3	79.6	76.8	76.5	87.9	84.2	90.3	97.2	98.3	96.3	106.7

FLUX ADJUSTED TO 1 A.U., Sa

	1965					1966						
Day	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1	74.2	76.8	92.2	77.6	73.3	79.3	77.6	79.7	106.8	91.7	104.8	100.1
2	75.2	77.3	93.3	78.2	72.9	76.3	76.9	76.7	106.3	94.0	103.9	98.2
3	79.6	77.9	96.1	79.8	72.7	75.9	77.5	75.8	102.1	94.0	102.6	99.3
4	80.7	78.0	97.5	78.4	72.3	77.8	79.0	75.5	102.6	92.5	102.0	104.8
5	78.5	80.0	91.6	76.7	73.2	77.4	80.6	74.8	102.0	88.6	101.7	105.0
6	81.1	78.3	85.1	79.2	74.0	77.1	82.1	75.5	104.2	87.5	101.9	109.7
7	81.8	78.9	83.5	83.7	73.0	78.2	82.8	76.2	102.8	89.9	96.9	112.6
8	79.5	79.8	82.6	78.9	74.4	77.9	82.3	76.4	107.3	87.8	99.5	114.4
9	79.8	77.2	83.0	80.4	72.7	77.4	82.9	78.5	100.3	87.5	98.9	107.8
10	78.2	76.7	80.1	82.4	73.0	77.2	83.8	78.6	94.8	86.6	96.8	108.1*
11	78.8	76.7	75.7	82.5	73.2	78.2	83.6	78.0	93.9	88.3	96.1	109.0
12	77.9	76.3	74.5	79.1	73.5	81.2	83.2	78.3	94.8	92.6	95.9	102.7
13	76.7	75.9	75.4	75.7	71.7	84.3	83.9	80.0	93.1	92.9	96.1	100.4
14	75.6	76.1	74.3	74.4	72.4	90.1	83.9	81.4	91.0	97.2	96.9	99.8
15	74.4	75.7	73.3	74.8	74.4	98.5	83.3	87.1	96.3	99.2	94.7	101.1
16	75.6	74.5	71.8	72.4	75.1	102.6	82.7	92.9	93.2	100.1	97.9	102.8
17	74.2	74.5	72.0	72.6	75.9	98.4	82.1	105.1	95.2	98.9	99.5	101.2
18	75.0	73.7	71.6	73.3	75.9	101.4	82.2	109.6	92.9	98.7	98.2	101.3
19	76.1	73.4	71.2	71.6	74.3	105.1	81.1	114.6	89.0	107.1	96.9	101.5
20	75.5	73.4	72.0	70.9	72.1	99.0	82.8	111.0	93.5	115.5	94.3	101.8
21	75.3	73.1	72.6	70.5	71.7	95.7	85.7	120.3	91.7	123.6	93.5	103.7
22	74.6	71.7	75.4	70.0	70.0	91.8	86.0	105.1	93.4	121.0	96.1	106.5
23	74.6	72.3	77.9	69.5	70.3	90.6	82.7	96.2	98.8	113.9	99.2	114.9
24	74.3	76.6	75.5	69.3	68.8	88.9	81.9	92.9	103.7	117.7	103.5	120.6
25	73.8	76.2	77.0	68.8	69.7	85.4	79.3	91.1	103.8	115.1	104.8	126.0
26	73.5	77.4	77.3	69.9	74.4	82.7	83.1	84.7	101.3	112.3	105.6	127.6
27	76.0	78.7	77.0	72.1	80.9	79.9	83.2	83.1	96.0	108.5	100.8	123.8
28	74.7	80.8	76.2	74.9	81.0	78.1	84.1	87.6	94.9	-	101.4	124.2
29	75.7	87.6	75.6	71.9	81.9	78.3		96.1	94.5	106.8	99.8	132.9
30	76.4	89.3	75.1	73.0	79.2	76.3		99.0	93.3	101.6	100.7	128.0
31	76.3		76.9		78.1	75.4		110.4		105.6		124.6
Mean:	76.6	77.2	79.1	75.1	74.1	85.0	82.1	89.4	97.8	100.6	99.4	110.1

CALCIUM PLAGE AND SUNSPOT REGIONS

JUNE 1966

1966	LAT.	MCMATH PLAGE NUMBER	RETURN OF REGION	CALCIUM PLAGE DATA						SUNSPOT DATA		
				CMP VALUES		HISTORY	AGE (ROTATIONS)	DATE FIRST SEEN	DURATION (DAYS)	CMP VALUES		HISTORY
				AREA	INT.					AREA	COUNT	
June												
30.8	N15	8358	8326	1900	3.5	ℓ ⌐ ℓ	3	6/24	14			
July												
1.0	N42	8381	New	(300)	(1.5)	b - d	1	7/3	2			
1.7	N33	8361	(3)	2900	3.0	ℓ - ℓ	2	6/25	13	10	2	ℓ - d
3.0	N42	8369	New	(400)	(1.0)	b - d	1	6/28	3			
3.2	N27	8367	8331	400	1.5	ℓ ∧ d	3	6/27	8			
3.4	N35	8362(1)	New	1400	3.0	ℓ ⌐ ℓ	1	6/26	15	60	17	b ∧ ℓ
5.4	N24	8373(2)	8332	900	1.5	ℓ ⌐ ℓ	3	6/29	13	(10)	(1)	b - d
6.2	N11	8387	New	(100)	(2.0)	b - d	1	7/7	3	(10)	(3)	b - d
6.7	S30	8383	New	(500)	(1.5)	b - d	1	7/2	2			
7.3	N30	8382	New	1100	3.0	b / ℓ	1	7/3	11	10	6	b ∧ ℓ
7.9	N23	8379	New	3500	2.5	ℓ ⌐ ℓ	1	7/1	13	(10)	(2)	b - d
9.2	N25	8384	8334	700	1.5	ℓ ⌞ ℓ	5	7/4	10			
10.0	N19	8390	New	1200	3.0	b ⌝ ℓ	1	7/7	10	20	18	b - d
10.1	S35	8389	New	(200)	(2.0)	b - d	1	7/7	2			
11.1	S31	8394	New	(200)	(3.5)	b / ℓ	1	7/10	8	20	15	b ∧ d
11.4	N30	8385	New	1000	2.0	ℓ ⌐ ℓ	1	7/4	14	(20)	(3)	b - d
13.6	N11	8403	New	(200)	(2.5)	b - ℓ	1	7/18	2			
14.6	S23	8393	8338	(900)	(1.5)	ℓ ∧ d	3	7/9	10			
14.9	N18	8392	8340	(1900)	(2.5)	ℓ ⌝ ℓ	2	7/8	14	(10)	(2)	b - d
17.8	S18	8396	New	800	3.0	ℓ - ℓ	1	7/11	13	(10)	(2)	ℓ - d
18.7	N16	8398	8343	200	1.5	ℓ - ℓ	3	7/13	12			
19.1	N25	8397(4)	8345	(2500)	(2.5)	ℓ ⌝ ℓ	2	7/12	13	200	7	ℓ ∧ ℓ
19.9	S16	8410	New	(200)	(1.5)	b - d	1	7/22	1			
20.3	N32	8399(4)	8345	2500	2.5	ℓ ∧ ℓ	2	<7/15	> 12	10	6	b - d
20.8	N25	8400	8344	(1200)	(2.0)	ℓ - ℓ	2	7/15	12			
21.1	S06	8406	New	200	2.5	b - d	1	7/21	5	10	3	b - d
22.7	S22	8401	8348	1100	2.5	ℓ ⌝ ℓ	2	7/16	13	20	4	ℓ \ d
22.7	N21	8402	8350	1000	2.5	ℓ ⌝ d	3	7/16	11	(10)	(4)	b - d
23.7	N34	8404	8351	1100	1.5	ℓ ∧ ℓ	4&5	7/17	13	(10)	(2)	b - d
25.0	N20	8412	New	300	2.5	b - ℓ	1	7/23	8	10	6	b - d
26.3	S08	8419	New	(200)	(1.5)	b - d	1	7/30	2			
26.8	N37	8408	New	2500	3.5	b ∧ ℓ	1	7/21	13	180	46	b ∧ ℓ
27.0	N22	8405	8370	3000	3.5	ℓ ∧ ℓ	2	7/20	14	290	17	ℓ - ℓ
27.5	N13	8407	8358	700	2.5	ℓ ⌝ d	4	7/21	11			
27.8	N36	8417	New	(400)	(2.0)	b - d	1	7/28	2	10	3	b - d
28.5	S21	8411	New	300	3.5	ℓ - ℓ	1	7/22	12	(10)	(1)	ℓ - d
28.6	N17	8418	New	(300)	(1.5)	b - d	1	7/29	1			
29.1	N31	8420	New	(400)	(1.0)	b / d	1	7/30	4			
29.5	N11	8425	New	(200)	(2.5)	b - d	1	8/3	2			
29.7	S29	8416	New	100	1.0	b - d	1	7/27	3			
30.9	N25	8427	New	(200)	(3.0)	b / ℓ	1	8/3	4			
31.0	S25	8423	New	(200)	(3.0)	b / d	1	8/2	4			
31.9	N36	8413	8362	4500	3.5	ℓ ∧ ℓ	2	7/23	16	90	3	ℓ / ℓ

(1) Region 8362 is primarily a new plage which has developed near the position of weak remnants of old plage region 8331. Plage 8362 undergoes a remarkable growth in area and brightness on and after June 30th simultaneously with the appearance and growth of its spot group.
(2) Region 8373 experiences a resurgence on the disk after July 7th as the plage approaches the west limb.
(3) Region 8361 is a combination of regions 8329 and 8330 of the previous rotation.
(4) Regions 8397 and 8399 are parts of region 8345.

No calcium plage observations were secured at the McMath-Hulbert Observatory on July 14, 1966.

JULY 1966

JULY 1966	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
1	0010	N14	W03	(βγ)	16063
		N19	W17	(β)	16066
		N33	E27	(αf)	16067
1	1715	N15	W13	(βγ)	16063
		N19	W27	(β)	16066
		N33	E20	(αf)	16067
		N38	W38	(βf)	16068
		N32	E03	αf	16069
2	2145	N15	W28	(αf)	16063
		N18	W44	(βp)	16066
		N32	E04	(βp)	16067
		N32	W14	αf	16069
3	1425	N16	W38	(βγ)	16063
		N18	W53	(βp)	16066
		N33	W04	(βγ)	16067
		N39	W58	(αf)	16068
		N26	E61	(αf)	16070
4	2145	N16	W55	(αf)	16063
		N17	W70	(βp)	16066
		N33	W19	(βγ)	16067
5	2250	N16	W69	(αf)	16063
		N33	W33	(βγ)	16067
		N23	E23	(β)	16071
6	2300	N30	E02	(βf)	16072
		N20	E06	(αp)	16073
		N34	W45	(βγ)	16067
7	2300	N34	W59	(γ)	16067
		N31	W11	(βf)	16072
		N22	W06	(β)	16073
		N24	W32	(αp)	16074
		N19	E27	(αf)	16075
8	2130	N34	W72	(γ)	16067
		N30	W24	(β)	16072
		N20	W18	(βp)	16073
		N18	E14	(βf)	16075
9	1845	N33	W80	γ	16067
		N30	W35	(βp)	16072
		N19	W32	(βp)	16073
		N24	W57	αp	16074
		N19	E02	(βp)	16075
		N29	W16	(αf)	16076
10	2255	N30	W50	(βp)	16072
		N18	W48	(βp)	16073
		N20	W13	(βp)	16075
		S32	E02	(βf)	16077
11	1850	N30	W60	(βp)	16072
		N22	W54	(β)	16073
		S32	W08	(β)	16077
12	No Obs.				
13	0145	N28	W80	αp	16072
		N22	W72	β	16073
		S32	W25	(βf)	16077
		N18	W45	(αp)	16078
		N26	E78	αp	16079
		S19	E65	(βf)	16080
13	1620	N20	W80	β	16073
		S32	W33	(βf)	16077
		N18	W55	(β)	16078
		N26	E70	(αp)	16079
		S18	E56	(βf)	16080
14	2215	N19	W66	(αf)	16078
		N26	E52	(αf)	16079
		S20	E40	αf	16080
15	No Obs.				
16	0125	N25	E39	αf	16079
		N22	E29	βp	16081
16	1840	N27	E30	(αp)	16079
		N22	E19	(βp)	16081
		N37	W69	(βp)	16082
		S22	E75	(β)	16083
17	1845	N26	E17	(αp)	16079
		N20	E06	(αp)	16081
		S23	E61	(β)	16083
		N33	E70	(αf)	16084
18	1910	N26	E04	(αp)	16079
		S27	E45	(β)	16083
		N27	E60	(αp)	16085
		N26	W46	(αp)	16086
19-20	No Obs.				
21	0145	N25	E19	(βf)	16087
		N23	E69	(βf)	16088
		S22	E17	(βp)	16083
		N27	W27	(αp)	16079
21	1345	N25	W32	(αp)	16079
		S21	E13	(αp)	16083
		N25	E14	(βf)	16087
		N23	E68	(αp)	16088

MT. WILSON MAGNETIC CLASSIFICATIONS OF SUNSPOTS

JULY 1966

JULY 1966	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
22	1340	N25	W50	(αp)	16079
		S22	W01	(βp)	16083
		N25	E61	(βp)	16088
		N39	E47	(αf)	16089
23	2330	N26	W70	(αp)	16079
		S22	W24	(αp)	16083
		N22	E34	(αp)	16088
		N37	E24	(βp)	16089
24	1345	N26	W68	(αp)	16079
		S21	W28	(αp)	16083
		N23	E31	(αp)	16088
		N36	E19	(β)	16089
		N34	W09	(βp)	16090
		N34	E80	αp	16091
25	2340	N22	E17	βp	16088
		N37	E03	β	16089
		N34	E63	αp	16091
26	1345	N22	E07	(βp)	16088
		N36	W07	(βp)	16089
		N34	E54	(αp)	16091
		N25	E79	(βf)	16092
27	1615	N22	W07	(βp)	16088
		N37	W18	(βp)	16089
		N33	E40	(βp)	16091
		N24	E66	(βf)	16092
28	No Obs.				
29	0015	N21	W26	αp	16088
		N36	W40	αp	16089
		N34	E24	αp	16091
		N24	E51	βp	16092
		N24	E70	βp	16093
		N27	E76	αf	16094
30	No Obs.				
31	0105	N21	W52	αp	16088
		N35	W68	αp	16089
		N27	W28	αp	16096
		N33	W01	αp	16091
		N20	E14	αp	16097
		N22	E18	αp	16098
		N24	E25	βp	16092
		N23	E40	αp	16093
		N28	E48	αf	16094
		N17	E78	αf	16095
31	2230	N21	W63	(αp)	16088
		N35	W79	(αp)	16089
		N33	W13	(αp)	16091
		N22	E04	(αp)	16098
		N23	E13	(βp)	16092
	*	N23	E30	(βp)	16093
	*	N26	E36	(αf)	16094
		N16	E64	(αf)	16095

*Probably one group βp.

FINAL CORONAL LINE EMISSION INDICES

APRIL 1966

CMP April 1966	North East Quadrant (observed 7 days earlier)				South East Quadrant (observed 7 days earlier)				South West Quadrant (observed 7 days later)				North West Quadrant (observed 7 days later)			
	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1
1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2	27	44	37	125	2	13	21	24	3a	8a	13a	19a	51a	94a	23a	43a
3	43	66	x	x	18	20	x	x	x	x	x	x	x	x	x	x
4	x	x	x	x	x	x	x	x	3	10	x	x	68	128	x	x
5	44	73	21	23	12	14	23	30	x	x	x	x	x	x	x	x
6	31	41	6	35	15	21	5	23	x	x	x	x	x	x	x	x
7	21	34	21	30	0	0	21	29	8	9	9	13	44	57	x	x
8	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	x	x	x	x	x	x	x	x	0	0	x	x	36	56	x	x
10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	60	108	37	84	10	34	22	29	x	x	x	x	x	x	x	x
13	32	57	41	87	1	8	38	43	3	5	19	32	45	72	14	26
14	15	22	27	76	2	7	15	17	x	x	x	x	x	x	x	x
15	35	50	x	x	x	x	x	x	x	x	x	x	x	x	x	x
16	32a	69a	14a	23a	0a	0a	18a	24a	x	x	x	x	x	x	x	x
17	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
18	72	92	x	x	4	15	x	x	x	x	x	x	x	x	x	x
19	x	.x	x	x	x	x	x	x	25	41	4	9	137	261	18	32
20	x	x	x	x	x	x	x	x	4	7	14	25	63	96	31	47
21	43	52	12	19	10	12	16	21	x	x	x	x	x	x	x	x
22	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
23	13	25	x	x	0	0	x	x	0	0	x	x	65	120	x	x
24	x	x	x	x	x	x	x	x	11	13	x	x	42	76	x	x
25	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
26	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
27	77	138	35	49	9	18	26	34	0a	0a	56a	70a	63a	121a	59a	117a
28	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
29	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
30	x	x	x	x	x	x	x	x	15	19	32a	43a	57	81	54a	95a

x = no observations * = yellow line emission a = index computed from low weight data

FINAL CORONAL LINE EMISSION INDICES

MAY 1966

CMP May 1966	North East Quadrant (observed 7 days earlier)				South East Quadrant (observed 7 days earlier)				South West Quadrant (observed 7 days later)				North West Quadrant (observed 7 days later)			
	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1
1	x	x	x	x	x	x	x	x	11	15	21	31	91	159	35	69
2	x	x	x	x	x	x	x	x	7	9	16	23	68	129	35	61
3	114	188	31	56	12	25	6	8	x	x	x	x	x	x	x	x
4	66	94	51	76	2	7	34	44	13	15	x	x	64	83	x	x
5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
6	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7	63	92	x	x	5	12	x	x	x	x	x	x	x	x	x	x
8	69	79	x	x	18	35	x	x	x	x	x	x	x	x	x	x
9	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10	49	65	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	51a	85a	46a	80a	0a	0a	42a	48a	x	x	x	x	x	x	x	x
12	x	x	x	x	x	x	x	x	9	10	15	19	50	77	15	23
13	34	44	x	x	21	38	x	x	12	15	x	x	61	88	x	x
14	64	82	10	33	9	20	18	25	10	11	11	14	62	97	8	13
15	75	103	26	91	17	30	16	25	3	12	13	16	65	89	14	33
16	83	135	24	41	15	23	19	27	22	30	x	x	72	108	x	x
17	x	x	x	x	x	x	x	x	21	50	9	18	108	162	32	64
18	74	98	x	x	60	72	x	x	x	x	x	x	x	x	x	x
19	x	x	x	x	x	x	x	x	39	64	15	23	67	94	11	16
20	x	x	x	x	x	x	x	x	50	82	21	40	41	66	9	12
21	x	x	x	x	x	x	x	x	64	95	26	34	53	83	13	15
22	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
23	x	x	x	x	x	x	x	x	10	18	16	30	28	48	29	38
24	59	115	x	x	x	x	x	x	17	22	13	16	59	75	14	23
25	97	126	x	x	17	26	x	x	13	15	16	18	85	127	17	28
26	90	117	22	33	16	31	14	19	9	10	20	25	68	93	36	48
27	98	138	20	31	11	13	x	x	8	10	15	21	74	86	17	22
28	72	108	13	19	10	12	13	22	x	x	x	x	x	x	x	x
29	50	71	19	35	8	10	12	15	x	x	x	x	x	x	x	x
30	65	81	x	x	12	13	x	x	9	10	x	x	67	86	x	x
31	97	133	14	16	5	8	16	25	x	x	x	x	x	x	x	x

x = no observations * = yellow line emision a = index computed from low weight data

May Coronal Indices contain no data from Climax.

FINAL CORONAL LINE EMISSION INDICES

JUNE 1966

CMP June 1966	North East Quadrant (observed 7 days earlier)				South East Quadrant (observed 7 days earlier)				South West Quadrant (observed 7 days later)				North West Quadrant (observed 7 days later)			
	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1
1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2	58	89	x	x	8	9	x	x	x	x	x	x	x	x	x	x
3	61	75	x	x	12	20	x	x	12	15	15	21	69	123	13	20
4	44	50	13	21	14	23	19	36	13	20	16	29	61	107	17	28
5	49	57	x	x	18	20	x	x	21	47	11	11	44	67	14	26
6	37	42	13	38	9	19	29	45	17	29	13	15	33	50	13	15
7	63	122	18	29	13	20	14	17	x	x	x	x	x	x	x	x
8	74	110	18	26	14	16	15	18	21	26	x	x	68	101	x	x
9	80	132	45	72	14	17	24	31	15	20	11	17	58	84	29	51
10	80	118	15	27	9	15	9	12	x	x	x	x	x	x	x	x
11	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	x	x	x	x	x	x	x	x	9	13	x	x	67	101	x	x
13	76	98	x	x	19	26	x	x	x	x	x	x	x	x	x	x
14	x	x	x	x	x	x	x	x	32	44	12	16	15	20	14	20
15	x	x	x	x	x	x	x	x	40	57	11	15	72	107	10	17
16	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
17	50	63	10	15	71	131	18	22	57	83	10	15	75	114	18	28
18	28	32	10	14	56	92	15	19	49	67	9	14	59	75	16	24
19	34	41	13	21	27	35	21	28	x	x	x	x	x	x	x	x
20	42	54	14	23	22	26	18	34	x	x	x	x	x	x	x	x
21	x	x	x	x	x	x	x	x	16	20	14	21	48	95	14	22
22	70	92	x	x	24	29	x	x	16	17	15	20	97	136	23	39
23	85	108	24	38	22	28	26	36	16	21	12	17	81	148	20	37
24	90	136	x	x	11	22	x	x	16	25	14	28	55	86	13	23
25	x	x	x	x	x	x	x	x	49	90	17	32	88	141	14	18
26	58	74	x	x	17	47	x	x	28	40	x	x	65	82	x	x
27	x	x	x	x	x	x	x	x	20	26	x	x	73	93	x	x
28	72	85	16	24	12	13	18	22	x	x	x	x	x	x	x	x
29	66	81	20	33	10	13	10	13	x	x	x	x	x	x	x	x
30	x	x	x	x	x	x	x	x	10	11	x	x	88	132	x	x

x = no observations * = yellow line emission a = index computed from low weight data

June Coronal Indices contain no data from Climax or Sacramento Peak.

SOLAR FLARES

JULY 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 JULY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
KAND	01	0520	0533D		N32	E10	.509	8361	2.0	13D	SN		P						
CAPS	01	0605E	0632		N30	W90	1.000	8351	24.5	27D	1N	3		0616				170	AH
ARCE	01	0951	1005D	0953	N32	W90	1.000	8351	24.7	14D	1B		C	0953	.56	3.10			AW
ARCF	01			1000										1000	1.01	5.70			AW
MEUD	01	0954	1008		N30	W90	1.000	8351	24.7	14	SN			0956	.52				D
CAPS	01	0955E	1020		N30	W90	1.000	8351	24.7	25D	1N	3						190	AH
MEUD	01	1141	1145	1142	N17	W21	.423	8370	29.9	4	SF			1142	.26	.30			D
SACP	01	1225E	1255	1240	N16	W10	.283	8358	30.8	30D	SN		P		.70	.69			
ONDR	01	1227	1254		N17	W12	.316	8358	30.6	27	1N		V	1233			2.40		C
HUAN	01	1228	1244		N17	W10	.296	8358	30.8	16	SF	1	C	1232	.31	.31			D
MCMA	01	1228	1248	1233	N17	W11	.306	8358	30.7	20	SN		C	1233	.36	.40			D
MEUD	01	1229	1232D		N17	W10	.296	8358	30.8	3D	SN			1232	.31	.33			D
MCMA	01	1328	1345D	1335	N19	W26	.502	8370	29.6	17D	SF		C	1335	.31	.40			DH
HUAN	01	1329	1340	1333	N18	W26	.495	8370	29.6	11	SF	1	C	1333	.21	.21			D
MCMA	01	1411	1434	1415	N19	W26	.502	8370	29.6	23	SN		C	1415	.41	.50			E
MCMA	01	1723E	1746	1725	N19	W28	.527	8370	29.6	23D	SF		C	1725	.31	.40			E
MCMA	01	1827	1846D	1830	N19	W26	.502	8370	29.8	19D	SN		C	1830	.31	.40			D
HUAN	01	1830	1846		N18	W29	.533	8370	29.6	16	SF	1	C	1833	.21	.21			D
MCMA	01	2115	2133	2117	N19	W28	.527	8370	29.8	18	SN		C	2117	.26	.30			DH
MCMA	01	2216	2228D	2217	N19	W29	.539	8370	29.8	12D	SN		C	2217	.26	.30			DH
LOCK	01	2240	2315	2250	N36	W01	.547	8361	1.9	35	SN		C	2250	1.00	1.20		10	
HALE	01	2245	2303D	2248	N37	W01	.562	8361	1.9	18D	SN	1	P	2248	.31	.40			
MANT	01	2249E	2303	2250	N33	E00	.502	8361	2.0	14D	SF	2		2250	1.24	1.45			
ONDR	02	0503E	0538D		N38	E06	.580	8361	2.7	35D	1F		V	0512			1.90		CFH
MANI	02	0508	0535	0511	N33	E02	.501	8362	2.4	27	SN	2		0511	.57	.65			
WEND	02	0517E	0535D		N32	E12	.517	8362	3.1	18D	1F		V		2.58				
WEND	02	0519	0538D		N18	W35	.608	8370	29.6	19D	1F		V		3.61				
MANI	02	0519	0531	0523	N14	W19	.371	8358	30.8	12	SN	2		0523	.36	.39			
ONDR	02	0526E	0538D		N15	W22	.419	8358	30.6	12D	SB		V	0527			2.00		CD
MEUD	02	1408	1418	1410	N17	W35	.603	8370	30.0	10	SF			1410	.31	.40			E
MCMA	02	1401	1550	1404	N43	W09	.654	8361	1.9	109	SF		C	1404	.31	.40			D
HUAN	02	1409	1427	1416	N40	W08	.612	8361	2.0	18	SF	2	C	1416	.26	.28			D
MEUD	02	1410	1520		N37	W05	.564	8361	2.2	70	SN			1420	.31	.40			D
LOCK	02	2040	2055	2043	N18	W38	.645	8370	30.0	15	SF		C	2043	.40	.50		10	H
LOCK	02	2254	2306	2256	N17	W40	.665	8370	30.0	12	SN		C	2256	.60	.80		10	H
LOCK	03	0020	0040	0026	N17	W31	.551	8370	30.7	20	SF		C	0026	.40	.50		10	
MANI	03	0031E	0042	0035	N32	E02	.485	8362	3.2	11D	SF	2		0035	.31	.36			
HALE	03	0154	0330	0210	N34	W00	.514	8362	3.1	96	SF	2	C	0210	.31	.40			
KAND	03	0714	0745		N33	E02	.500	8362	3.5	31	1N		C	0722		2.20			
MEUD	03	0715	0720D		N33	W20	.578	8361	1.8	5D	SN			0718	1.65	2.00			F
WEND	03	0715E	0742		N32	W22	.581	8361	1.7	27D	2F		V		7.22				
CAPS	03	0716E	0742		N25	W29	.581	8361	1.1	26D	1N	3			2.00	2.40		180	J
WEND	03	0724E	0730D		N16	W35	.599	8361	30.7	6D	SF								
ARCF	03	0820	0832	0825	N17	W35	.603	8358	30.7	12	1N		C	0825	1.63	2.00			H
ONDR	03	0824E	0830		N16	W36	.611	8358	30.6	6D	SN		V	0826			1.60		DJ
MEUD	03	0824	0832	0825	N15	W35	.595	8358	30.7	8	SN			0825	.52	.60			D
CAPS	03	0825	0834		N15	W35	.595	8358	30.7	9	SN	3		0828	.50	.60		180	
SACP	03	1452	1540U	1502	N36	W24	.639	8361	1.8	48U	1F		C		2.46	2.74			
MCMA	03	1453	1510	1459	N39	W24	.670	8361	1.8	17	SN		C	1459	1.03	1.40			FH
MCMA	03	1807	1842	1818	N35	W03	.531	8362	3.5	35	SB		C	1818	.62	.70			E
LOCK	03	1810	1835	1822	N36	W03	.545	8362	3.5	25	SF		C	1822	.60	.70		10	
HUAN	03	1812	1833		N34	W02	.515	8362	3.6	21	SF	1	C	1815	.57	.59			E
LOCK	03	1835	1900	1844	N15	W40	.658	8370	30.8	25	SF		C	1844	.60	.80		10	L
HUAN	03	1938	2012	1948	N34	W03	.516	8362	3.6	34	SN	2	C	1948	.52	.53			E
HALE	03	1940	2005	1946	N35	W03	.531	8362	3.6	25	SN	2	C	1946	.21	.21			
MCMA	03	1942	2003	1948	N35	W02	.530	8362	3.7	21	SB		C	1948	.31	.40			D
LOCK	03	1945	2010	1950	N36	W05	.548	8362	3.4	25	SF		C	1950	.50	.60		10	
SACP	03	1948D	2006D	1956U	N35	W04	.532	8362	3.5	18D	SN		P		.70	.73			
HALE	03	2033	2038	2034	N35	W05	.534	8362	3.5	5	SB	2	C	2034	.15	.20			
LOCK	03	2315	2340	2322	N12	W43	.688	8358	30.7	25	SF		C	2322	.70	1.00		10	L
HALE	04	0306	0311	0306	N34	W08	.526	8362	3.5	5	SN	2	C	0306	.15	.20			
MANT	04	0820E	0831D	0823	N35	W10	.547	8362	3.6	11D	SF	2		0823	.64	.79			
ARCE	04	0900E	1000D		N36	W10	.561	8362	3.6	60D	1N		C	0930	3.74	4.50			
KAND	04	0925	1051		N35	W09	.543	8362	3.7	86	1N		C	0929		2.20			
KAND	04	1155E	1335		N35	W09	.543	8362	3.8	100D	SN		C						
CAPS	04	1208	1221		N34	W18	.575	8362	3.2	13	1N	3		1216	1.70	2.10		180	J
CAPS	04	1224	1300		N34	W17	.569	8362	3.2	36	1B	3		1241	1.80	2.20		203	J
SACP	04	1251	1300	1253	N34	W14	.551	8362	3.5	9	SN		C		.26	.27			
HUAN	04	1410	1420	1415	N34	W14	.551	8362	3.5	10	SF	2	C	1415	.37	.39			E
CAPS	04	1414	1426		N34	W18	.575	8362	3.2	12	SN	3		1416	1.30	1.50		170	
CAPS	04	1442E	1457D		N34	W19	.581	8362	3.2	15D	SN	3		1445	1.10	1.30		170	
SACP	04	1605	1616	1609	N31	E56	.862	8379	8.9	11	SF		C		.43	.64			
HUAN	04	1608	1611	1609	N30	E57	.867	8379	8.9	3	SF	2	C	1609	.21	.30			D
HUAN	04	1608	1616	1610	N34	W13	.546	8362	3.7	8	SF	2	C	1610	.25	.26			D
LOCK	04	1646	1704	1654	N33	W15	.544	8362	3.6	18	SF		C	1654	.30	.40		10	
HUAN	04	1650	1656	1652	N34	W13	.546	8362	3.7	6	SN	2	C	1652	.25	.26			D
HALE	04	1650	1659	1653	N34	W13	.546	8362	3.7	9	SB	3	C	1653	.21	.22			

SOLAR FLARES

JULY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	JULY																		
LOCK	04	1808	1822	1814	N34	W17	.569	8362	3.5	14	SF		C	1814	.40	.50		10	
HALE	04	1808	1836	1818	N36	W17	.593	8362	3.5	28	SN	2	C	1818	.15	.20			
HUAN	04	1810	1826	1813	N33	W16	.550	8362	3.6	16	SF	2	C	1813	.31	.33			E
LOCK	04	1915	2005	1932	N35	W16	.575	8362	3.6	50	SF		C	1932	1.20	1.40		10	
HUAN	04	1925	2004		N34	W15	.557	8362	3.7	39	SN	1	C	1930	1.03	1.09			E
SACP	04	1926E	2012D	1940U	N34	W17	.569	8362	3.5	46D	1N		P		2.11	2.25			
HALF	04	1928	2007	1938	N34	W16	.563	8362	3.6	39	SB	1	C	1938	1.55	1.90			
MCMA	04	1957E	2009D		N35	W18	.587	8362	3.5	12D	1N		P	1958	1.65	2.10			BE
LOCK	04	2035	2055	2042	N18	W55	.827	8358	30.7	20	SF		C	2042	.40	.70		10	
LOCK	04	2300	2355	2310	N22	W66	.918	8358	30.0	55	SF		C	2310	.20	.40		10	
SACP	05	0051	0102	0055	N34	W18	.574	8362	3.7	11	SF		C		.88	.94			
SACP	05	0120	0132D	0128	N34	W22	.601	8362	3.4	12D	SN		P		1.25	1.35			
KAND	05	0415E	0452		N34	W23	.608	8362	3.5	37D	SN		C						
KAND	05	0722	0755		N34	W23	.608	8362	3.6	33	SF		C						
ISTA	05	0730E	0805D		N33	W23	.597	8362	3.6	35D	S								
ISTA	05	0730E	0805D		N34	W25	.623	8362	3.4	35D	S								
ARCF	05	0835E	0855D		N35	W22	.612	8362	3.7	20D	SN		C	0845	.52	.60			H
MCMA	05	1144E	1245		N35	W26	.641	8362	3.5	61D	SN		C	1145	1.03	1.30			EHT
KAND	05	1144E	1302		N34	W23	.608	8362	3.8	78D	SB		C						
KAND	05	1218	1238		N34	W23	.608	8362	3.8	20	SB		C						
CAPS	05	1315	1330		N34	W29	.655	8362	3.4	15	SN	3		1319	.60	.80		161	
SACP	05	1359	1420	1404	N15	W64	.899	8358	30.8	21	SF		C		.79	1.28			
HUAN	05	1359	1420	1404	N17	W66	.914	8358	30.6	21	SN	1	C	1404	1.03	1.67			E
CAPS	05	1405E	1419		N21	W60	.874	8358	1.1	14D	1N	3		1407	1.70	3.20		160	
MCMA	05	1410E	1555D		N16	W64	.900	8358	30.8	105D	IF		C	1410	1.55	3.50			FHK
HUAN	05	1440	1451	1443	N17	W64	.900	8358	30.8	11	SF	1	C	1443	.25	.40			D
LOCK	05	1500	1515	1505	N36	W30	.680	8362	3.4	15	SN		C	1505	.50	.70		10	J
HUAN	05	1502	1516	1504	N33	W30	.654	8362	3.4	14	SF	2	C	1504	.35	.41			E
MCMA	05	1503	1513	1504	N35	W28	.656	8362	3.5	10	SN		C	1504	.31	.40			E
HUAN	05	1807	1813		N32	W31	.655	8362	3.4	6	SF	1	C	1808	.21	.24			D
HUAN	05	1837	1913	1849	N33	W32	.671	8362	3.4	36	SN	2	C	1849	.80	.94			E
MCMA	05	1840	1912	1845	N35	W32	.687	8362	3.4	32	SB		C	1845	.72	1.00			E
LOCK	05	1840	1920	1850	N36	W30	.680	8362	3.5	40	SN		C	1850	.90	1.30		10	J
SACP	05	1853E	1857D	1853	N34	W32	.679	8362	3.4	4D	SF		P		1.32	1.51			
MCMA	05	2000	2008	2003	N35	W31	.679	8362	3.5	8	SN		C	2003	.41	.50			E
HUAN	05	2013	2044	2019	N33	W33	.680	8362	3.4	31	SB	2	C	2019	.88	1.02			E
LOCK	05	2013	2050	2025	N36	W30	.680	8362	3.6	37	SN		C	2025	1.00	1.40		20	J
MCMA	05	2014	2043	2025	N34	W33	.688	8362	3.4	29	SB		C	2025	.83	1.20			E
HUAN	05	2152	2211		N34	W35	.704	8362	3.3	19	SF	1	C	2159	.57	.66			E
MCMA	05	2157E	2210D		N34	W34	.696	8362	3.4	13D	SN		C	2157	.72	1.00			E
LOCK	05	2345	0006	2355	N22	W79	.980	8358	30.1	419	SF		C	2355	.30	1.00		10	J
HALE	05	2345	2351	2347	N21	W83	.991	8358	29.8	6	SF	1	C	2347	.15				T
HALF	05	2353	0014	2358	N37	W43	.787	8362	2.8	419	SN	1	C	2358	.41	.70			T
HALE	06	0031	0110	0042	N35	W36	.719	8362	3.3	39	SB	1	C	0042	.52	.70			T
MANI	06	0042E	0130D		N33	W32	.670	8362	3.6	48D	1N	2		0100	2.58	3.58			
HALF	06	0136	0153	0148	N21	W83	.991	8358	29.8	17	SB	1	C	0148	.21				T
MANI	06	0155E	0209D	0204	N33	W32	.670	8362	3.7	14D	1N	2		0204	1.80	2.50			
HALF	06	0320	0355	0338	N20	W83	.991	8358	29.9	35	SB	1	C	0338	.31				T
MANI	06	0414E	0425D		N33	W34	.687	8362	3.6	11D	SN	2		0420	1.40	1.42			
HALE	06	0421	0500D	0429	N35	W37	.727	8362	3.4	39D	SB	1	P	0429	.57	.80			TF
KAND	06	0533	0547		N35	W36	.719	8362	3.5	14	SN		C						
MANI	06	0538E	0557	0540	N33	W25	.612	8362	4.4	19D	1B	2		0540	1.96	2.76			
KAND	06	0629	0642		N35	W36	.719	8362	3.6	13	SB		C						
CAPS	06	0630	0645		N35	W35	.710	8362	3.6	15	SN	3		0633	.70	.80		170	
ARCE	06	0742E			N35	W37	.727	8362	3.5	462D	SN		P	0742	1.02	1.50			O
ARCF	06	0745E	0900D		N35	W39	.743	8362	3.4	75D	1N		C	0745	2.93	4.40			U
ARCE	06	0745E	0900D	0757	N21	W90	1.000	8358	29.6	75D	2B		C	0757	1.13	6.50			
ISTA	06	0750E	0815		N20	W90	1.000	8358	29.6	25D	1								
KAND	06	0914	1325		N35	W36	.719	8362	3.7	251	SN		C						
ISTA	06	0915	0920		N20	W90	1.000	8358	29.6	5	S								
HUAN	06	1259	1318	1305	N34	W40	.745	8362	3.5	19	SN	2	C	1305	.57	.69			E
MCMA	06	1300E	1330		N34	W41	.753	8362	3.5	30D	SB		P	1300	.77	1.20			BFT
SACP	06	1302E	1330	1307	N34	W39	.737	8362	3.6	28D	SF		P		1.05	1.28			
MCMA	06	1318	1333	1321	N32	E06	.487	8382	7.0	15	SN		P	1321	.31	.40			D
MCMA	06	1356	1408D	1403	N34	W41	.753	8362	3.5	12D	SB		P	1403	1.13	1.80			FH
HUAN	06	1401	1424		N33	W40	.739	8362	3.6	23	SF	1	C	1405	.88	1.07			E
CAPS	06	1506E	1600D		N35	W35	.710	8362	4.0	54D	SF	3		1517	1.00	1.40		150	
LOCK	06	1524	1533	1530	N31	E04	.467	8382	6.9	9	SF		C	1530	.50	.60		10	
HALE	06	1600U	1620D	1610	N29	W88	.998	8361	30.1	20D	0B	1	P	1610	.15				
MCMA	06	1742E	1900D		N34	W44	.778	8362	3.4	78D	IN		P	1809	1.29	2.20			FHK
HUAN	06	1747	1814	1801	N33	W44	.773	8362	3.4	27	1F	2	C	1801	1.65	2.05			E
LOCK	06	1755	1810	1803	N34	W42	.762	8362	3.6	15	SN		C	1803	.50	.80		10	J
HALE	06	1810E	1859	1840	N35	W45	.791	8362	3.4	49D	SB	1	P	1840	.41	.70			TE
HALE	06	1936	2100	1947	N35	W46	.799	8362	3.4	84	SN	1	C	1947	.41	.70			TFJK
LOCK	06	1937	1950	1942	N33	W48	.806	8362	3.2	13	SF		C	1942	.40	.70		10	J
MCMA	06	2002E	2007D		N34	W45	.786	8362	3.5	5D	SB		P	2002	.26	.40			DH
HUAN	06	2030	2053	2032	N33	W45	.781	8362	3.5	23	1F	2	C	2032	1.80	2.32			
MCMA	06	2033E	2112		N34	W45	.786	8362	3.5	39D	1B		C	2034	1.55	2.50			FH

SOLAR FLARES

JULY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 JULY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
HALE	06	2110	2133	2118	N35	W48	.814	8362	3.3	23	SB	1	C	2118	.72	1.20			TI
HUAN	06	2116	2126	2118	N34	W47	.802	8362	3.4	10	SN	2	C	2118	.80	1.05			
MCMA	06	2117	2127	2118	N34	W45	.786	8362	3.5	10	SB		C	2118	.46	.80			E
LOCK	06	2117	2139	2120	N34	W46	.794	8362	3.4	22	SN		C	2120	.50	.90		10	J
LOCK	06	2149	2205	2152	N34	W46	.794	8362	3.5	16	SN		C	2152	.40	.70		10	
HUAN	06	2149	2225D	2152	N34	W47	.802	8362	3.4	36D	SN	2	C	2152	.76	1.00			E
MCMA	06	2150	2215	2152	N34	W45	.786	8362	3.5	25	SB		C	2152	.62	1.00			E
HALE	06	2151	2215	2153	N36	W48	.818	8362	3.3	24	SB	1	C	2153	.62	1.10			TE
MANI	06	2202E	2220		N34	W44	.778	8362	3.6	18D	SN	2		2205	.62	.95			
LOCK	06	2220	2245	2230	N34	W46	.794	8362	3.5	25	SN		C	2230	.30	.50		10	
HALE	06	2222	2242D	2229	N36	W48	.818	8362	3.3	20D	SN	1	P	2229	.52	.90			T
MANI	06	2224	2251D	2231	N34	W44	.778	8362	3.6	27D	SN	2		2231	.88	1.31			
MCMA	06	2225	2255D	2230	N35	W46	.799	8362	3.5	30D	IB		C	2230	1.24	2.10			F
MANI	07	0022E	0238D	0041	N34	W45	.785	8362	3.6	136D	2B	3		0041	4.21	6.78			
LOCK	07	0023	0140U	0036	N36	W48	.817	8362	3.4	77U	2N		C	0036	3.20	5.40		20	J
HALE	07	0025	0135	0038U	N35	W48	.813	8362	3.4	70		1	C	0038	7.43	12.70			
HALE	07			0030							3B			0030	5.78	9.80			IKUV
SACP	07	0026	0127D	0043	N34	W48	.809	8362	3.4	61D	2B		C		6.73	8.96			
KANO	07	0420E	1310		N37	W46	.807	8362	3.7	530D	1B		C	0450		3.90			
MANI	07	0554E	0600		N35	W51	.835	8362	3.4	6D	SF	2		0554	1.03	1.78			
ISTA	07	0715	0755		N35	W49	.821	8362	3.6	40	1								
ARCE	07	0753E	1000D		N35	W50	.828	8362	3.6	127D	2N		C	0826	3.67	6.10			U
ISTA	07	0755	0804		N36	W50	.832	8362	3.6	9	1								
ARCE	07	1056E			N35	W50	.828	8362	3.7		1N		P	1056	2.73	4.50			O
SACP	07	1319	1337	1326	N34	W56	.868	8362	3.4	18	SN		C		.70	1.03			
HALE	07	1756	1812	1757	N35	W58	.884	8362	3.4	16	SN	3	C	1757	.31	.70			JT
LOCK	07	1817	1825	1820	N35	W57	.877	8362	3.5	8	SF		C	1820	.40	.80		10	J
HUAN	07	1817	1826	1820	N34	W60	.894	8362	3.3	9	SN	2	C	1820	.37	.60			
HALE	07	1819	1825	1820	N35	W59	.890	8362	3.3	6	SN	3	C	1820	.31	.70			JT
MCMA	07	1819	1825	1820	N34	W60	.894	8362	3.3	6	SN		C	1820	.62	1.30			D
LOCK	07	1903	1920	1910	N35	W57	.877	8362	3.5	17	SF		C	1910	.50	1.00		10	J
HALE	07	1907	1922	1909	N36	W60	.898	8362	3.3	15	SN	2	C	1909	.41	.90			JT
MCMA	07	1909	1915	1910	N34	W58	.881	8362	3.4	6	SF		C	1910	.31	.60			D
HUAN	07	1931	1944	1938	N34	W60	.894	8362	3.3	13	SF	2	C	1938	.62	.96			E
LOCK	07	1933	2000	1940	N35	W57	.877	8362	3.5	27	SF		C	1940	.60	1.20		10	
MCMA	07	1936	1950	1938	N34	W60	.894	8362	3.3	14	SN		C	1938	.52	1.10			E
HALF	07	1938	1948	1940	N36	W60	.898	8362	3.3	10	SN	2	C	1940	.62	1.40			JT
HALF	07	2003	2013	2005	N36	W60	.898	8362	3.3	10	SN	1	C	2005	.52	1.20			JT
HUAN	07	2005	2014	2007	N34	W58	.881	8362	3.5	9	SF	2	C	2007	.37	.57			D
MCMA	07	2008E	2017		N34	W61	.900	8362	3.3	9D	SN		P	2012	.52	1.10			EH
LOCK	07	2047	2115	2051	N23	W03	.337	8379	7.6	28	SN		C	2051	1.00	1.10		20	
HUAN	07	2049	2108	2052	N21	W03	.305	8379	7.6	19	SN	2	C	2052	.45	.46			
MCMA	07	2049	2112	2051	N22	W03	.321	8379	7.6	23	SB		C	2051	.52	.50			E
HALF	07	2050	2103	2051	N21	W03	.305	8379	7.6	13	SN	2	C	2051	.31	.32			
MCMA	07	2132	2150	2135	N34	W61	.900	8362	3.3	18	IF		C	2135	1.03	2.10			F
HALF	07	2134	2141	2136	S35	E25	.708	8388	9.8	7	SF	2	C	2136	.15	.20			
SACP	07	2332U	2350	2340	N21	W05	.312	8379	7.6	18U	SN		C		.27	.26			
MANI	08	0000	0020	0006	N34	W58	.881	8362	3.6	20	SN	3		0006	.72	1.36			
SACP	08	0022	0041	0033	N35	W56	.870	8362	3.8	19	SN		C		1.06	1.57			
MANI	08	0022	0114	0036	N34	W57	.874	8362	3.7	52	1N	3		0036	1.31	2.46			
LOCK	08	0028	0050	0037	N34	W55	.860	8362	3.9	22	SN		C	0037	.70	1.30		10	J
HALE	08	0028	0055	0031	N35	W61	.902	8362	3.4	27	1B	1	C	0031	1.24	2.80			JT
HALF	08	0034	0040	0035	S33	E27	.703	8388	10.0	6	SF	1	C	0035	.10	.12			
SACP	08	0117	0126	0120	N36	W62	.909	8362	3.4	9	SF		C		.80	1.32			
HALE	08	0117	0127	0121	N35	W59	.889	8362	3.6	10	SN	1	C	0121	.15	.30			
LOCK	08	0117	0127	0120	N35	W63	.913	8362	3.3	10	SN		C	0120	.30	.60		10	J
LOCK	08	0145	0200D	0152	N34	W67	.934	8362	3.0	15D	SN		C	0152	.60	1.30		10	J
HALF	08	0147	0225	0149	N35	W61	.902	8362	3.5	38	SN	1	C	0149	.41	.90			JT
HALF	08	0408	0420	0414	N35	W61	.902	8362	3.6	12	SN	1	C	0414	.41	.90			JT
KANO	08	0514	0535		N36	W64	.920	8362	3.4	21	1N		C	0518		3.10			
ARCE	08	0756E	0758D		N35	W65	.924	8362	3.5	2D	1N		P	0758	1.95	4.20			
KANO	08	0800	1042		N36	W64	.920	8362	3.5	162	1N		C	0806		2.50			
ISTA	08	0825	0835		N22	W07	.336	8379	7.8	10	1								
ARCE	08	0839E	0855D		N35	W65	.924	8362	3.5	16D	1N		P	0853	1.40	3.00			
ARCE	08	0839E	0855D		N30	W16	.507	8382	7.2	16D	SN		P	0851	1.66	1.90			
SALT	08	0900E	0912		N34	W65	.923	8362	3.5	12D	1N	3		0905	1.20	2.90		175	C
ISTA	08	0905E	0915D		N35	W75	.969	8362	2.8	10D	S								
ARCE	08	0914E	0915D		N35	W65	.924	8362	3.5	1D	1N		P	0915	1.69	3.70			U
KANO	08	0915	0939		N31	W11	.489	8382	7.6	24	SN		C						
MCMA	08	1116	1140	1126	N35	W70	.949	8362	3.2	24	SN		C	1126	.52	1.50			DT
MCMA	08	1200	1225	1204	N35	W70	.949	8362	3.3	25	SN		C	1204	.52	1.50			D
HUAN	08	1202	1347	1215	N35	W69	.944	8362	3.3	105	1N	2	C	1215	.99				
HUAN	08			1248										1248	2.01				
KANO	08	1209E	1325D		N36	W64	.920	8362	3.7	76D	SN		C						
CAPS	08	1212E	1233		N33	W69	.943	8362	3.3	21D	SN	3		1217	.50	1.50		160	E
MEUD	08	1214	1228	1219	N35	W63	.913	8362	3.8	14	SF			1219	.41				E
CAPS	08	1236	1330		N33	W67	.932	8362	3.5	54	2N	3		1247	2.10			204	J
MCMA	08	1238	1330	1248	N35	W70	.949	8362	3.3	52	2B		C	1248	1.24	5.20			FH

SOLAR FLARES

JULY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	JULY																		
MCMA	08			1307					3.3	52									
MEUD	08	1240	1310	1250	N35	W62	.908	8362	3.9	30	1B			1250	2.27				
SALT	08	1243E	1358		N34	W66	.928	8362	3.6	75D	2B	3		1255	2.20	5.50		220	C
MCMA	08	1413E	1433D	1416	N32	W19	.552	8382	7.2	20D	SN		P	1416	.31	.90			D
MCMA	08	1413E	1508D	1416	N35	W72	.957	8362	3.2	55D	SN		P	1416	.62	1.70			D
HUAN	08	1526	1552	1535	N35	W70	.949	8362	3.4	26	SN	2	C	1535	.67				
MCMA	08	1530	1550	1533	N35	W72	.957	8362	3.2	20	SN		C	1533	.62	1.70			E
MCMA	08	1557	1604	1559	N30	W22	.554	8382	7.0	7	SN		C	1559	.77	.90			E
HUAN	08	1648	1806	1714	N35	W70	.949	8362	3.5	78	1N	2	C	1714	1.38				
HUAN	08			1754										1754	1.50				
MCMA	08	1650	1744D	1658	N35	W70	.949	8362	3.5	54D	1B		C	1658	.52	1.50			EHK
MCMA	08			1716						54D				1716	1.03	3.00			
LOCK	08	1652	1730	1700	N34	W70	.948	8362	3.5	38	SN		C	1700	.80	1.90		10	JK
LOCK	08			1715										1715	.80	1.90			
HALE	08	1710	1726	1712	N36	W72	.958	8362	3.3	16	2B	2	C	1712	2.06				JT
SACP	08	1718E	1737D	1726	N33	W70	.947	8362	3.5	19D	1N		P		1.75	3.44			
LOCK	08	1830	1855	1840	N30	W25	.580	8382	6.9	25	SF		C	1840	.40	.50		10	J
MCMA	08	1853	1859	1857	N21	W18	.418	8379	7.4	6	SF		C	1857	.26	.30			DH
LOCK	08	1940	1955	1945	N31	W25	.590	8382	6.9	15	SN		C	1945	.60	.70		10	
HALE	08	1942	1953	1943	N30	W25	.580	8382	6.9	11	SN	2	C	1943	.41	.50			
LOCK	08	2035	2110	2040	N22	W19	.439	8379	7.4	35	SN		C	2040	.50	.60		10	JK
LOCK	08			2055										2055	.50	.60			
HALE	08	2045	2108	2054	N22	W17	.418	8379	7.6	23	SN	2	C	2054	.52	.60			
MCMA	08	2052E	2107D		N21	W19	.429	8379	7.4	15D	SN		P	2057	.41	.40			D
HUAN	08	2057	2201	2127	N35	W73	.961	8362	3.4	64	SN	2	C	2127	.80				E
MCMA	08	2100	2107D	2103	N35	W73	.961	8362	3.4	7D	SN		P	2103	.52	1.20			E
LOCK	08	2120	2145	2123	N35	W71	.953	8362	3.6	25	SN		C	2123	.80	2.00		10	JK
LOCK	08			2130										2130	.80	2.00			
HALE	08	2124	2142	2126	N35	W75	.969	8362	3.3	18	1B	2	C	2126	1.03				JT
HUAN	08	2140	2201	2146	N22	W18	.428	8379	7.6	21	SB	2	C	2146	.95	.96			
LOCK	08	2140	2205	2145	N22	W18	.428	8379	7.6	25	SN		C	2145	1.20	1.30		20	
HALE	08	2143	2158	2145	N22	W17	.418	8379	7.6	15	SN	2	C	2145	1.24	1.40			
HALE	08	2226	2300	2233U	N35	W75	.969	8362	3.3	34	1N	2	C	2233	1.03				JT
MANT	08	2228	2340	2240	N34	W69	.943	8362	3.8	72	1N	1		2240	1.65	3.58			
LOCK	08	2235	2305	2240	N33	W76	.972	8362	3.2	30	SF		C	2240	.60	1.30		10	J
MCMA	08	2238	2254D		N35	W75	.969	8362	3.3	16D	1B		P	2245	.83	2.50			E
MANT	08	2347E	2355D	2350	N34	W69	.943	8362	3.8	8D	1F	2		2350	.98	2.12			
SACP	09	0037	0046	0040	N21	W18	.416	8379	7.7	9	SN		C		.78	.79			
HALE	09	0038	0048	0039	N22	W18	.427	8379	7.7	10	SN	2	C	0039	.83	.90			V
HALE	09	0230	0302	0233	N35	W75	.969	8362	3.5	32	1B	2	C	0233	1.65				JT
MANT	09	0245E	0246D		N34	W70	.948	8362	3.9	1D	1N	1		0245	1.55	3.42			
HALE	09	0310	0434	0313	N35	W75	.969	8362	3.5	84	3B	2	C	0313	2.27				JTK
HALE	09			0330						84				0330	4.43				JTI
MANT	09	0335E	0510	0335	N33	W76	.971	8362	3.4	95D	2B	2		0335	2.99	7.42			
MANT	09	0544	0559	0550	N33	W77	.975	8362	3.5	15	SN	2		0550	.52	1.25			
CAPS	09	0600E	0611D		N36	W90	.999	8362	2.5	11D	1N	3							A
MANT	09	0727E	0802D	0732	N33	W78	.978	8362	3.5	35D	1B	1		0732	.93	2.24			
ARCF	09	0805E			N35	W78	.978	8362	3.5	485D	2N		P	0805	3.76	11.60			O
ARCF	09	0810E	1005D		N35	W78	.978	8362	3.5	115D	1N		C	0900	1.69	3.70			U
ARCF	09	0935E	1005D		N18	E07	.273	8390	9.9	30D	SF		C	0945	1.24	1.30			
MCMA	09	1230E	1300D	1240	N18	E07	.273	8390	10.0	30D	SN		P	1240	1.03	1.00			E
HUAN	09	1304	1402	1308	N35	W82	.989	8362	3.4	58	1F	2	C	1308	.25				
HUAN	09			1333										1333	1.13				
MCMA	09	1308	1318	1310	N36	W85	.994	8362	3.2	10	SF		C	1310	.31				D
MCMA	09	1323	1345		N35	W88	.998	8362	3.0	22	SF		C	1338	.31				D
MCMA	09	1406	1430D	1410	N35	W88	.998	8362	3.0	24D	SF		C	1410	.31				D
HUAN	09	1617	1633	1623	N36	W85	.994	8362	3.3	16	SF	1	C	1623	.37				D
HUAN	09	1706	1738		N35	W85	.994	8362	3.3	32	SN	1	P	1712	.88				
HUAN	09	1750	1759	1754	N33	W88	.998	8362	3.1	9	SF	2	C	1754	.25				D
LOCK	09	1750	1803	1755	N33	W84	.992	8362	3.4	13	SN		C	1755	.30	1.00		10	J
HUAN	09	1833	1856	1844	N34	W87	.997	8362	3.2	23	SN	2	C	1844	.57				E
LOCK	09	1843	1854	1846	N34	W85	.994	8362	3.4	11	SN		C	1846	.30	1.00		10	J
HALE	09	1845	1853	1846	N33	W88	.998	8362	3.2	8	OB	2	C	1846	.31				
HALE	09	1948	2110	2050	N34	W87	.997	8362	3.3	82	ON	2	C	2050	.83				
HUAN	09	1952	2006	1956	N34	W87	.997	8362	3.3	14	SF	2	C	1956	.37				
HALE	09	1955	2007	1957	N34	W87	.997	8362	3.3	12	ON	2	C	1957	.41				
HUAN	09	2014	2027		N34	W88	.998	8362	3.2	13	SF	1	C	2023	.41				E
HUAN	09	2043	2059	2051	N35	W88	.998	8362	3.3	16	SF	2	C	2051	.41				E
HUAN	09	2106	2122	2110	N33	W88	.998	8362	3.3	16	SF	2	C	2110	.25				E
HUAN	09	2137	2151		N33	W88	.998	8362	3.3	14	SF	2	C	2146	.31				E
LOCK	09	2137	2154	2146	N34	W85	.994	8362	3.5	17	SF		C	2146	.30	1.00		10	J
HALE	09	2140	2153	2143	N34	W87	.997	8362	3.4	13	ON	2	C	2143	.41				
HUAN	09	2155	2206	2201	N33	W88	.998	8362	3.3	11	SF	2	C	2201	.25				D
LOCK	09	2155	2210	2202	N33	W84	.992	8362	3.6	15	SN		C	2202	.30	1.00		10	J
HALE	09	2205E	2220		N32	W88	.998	8362	3.3	15D	ON	1	P	2205	.31				T
LOCK	09	2240	2305	2250	N34	W85	.994	8362	3.6	25	SF		C	2250	.30	1.00		10	J
HALE	09	2241	2254	2243	N32	W88	.998	8362	3.3	13	ON	1	C	2243	.21				T
LOCK	09	2345	0020	2350	N34	W85	.994	8362	3.6	40S	SF		C	2350	.30	1.00		10	J
LOCK	09			0008										2408	.30	1.00			

SOLAR FLARES

JULY 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 JULY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
HALE	10	0002	0022	0015	N32	W83	.990	8362	3.8	20	SN	1	C	0015	.31				TE
HALE	10	0043	0057	0046	N32	W88	.998	8362	3.4	14	ON	1	C	0046	.21				T
LOCK	10	0050	0057	0053	N33	W84	.992	8362	3.7	7	SN		C	0053	.30	1.00		10	J
MANT	10	0051E	0053D		N32	W90	.999	8362	3.3	2D	SB	1		0053	.34	1.00			
SACP	10	0051	0056	0052	N33	W87	.997	8362	3.5	5	SN		C		.26				
HALE	10	0052	0055	0053	N33	W88	.998	8362	3.4	3	OB	1	C	0053	.31				T
HALE	10	0120	0224	0128	N23	W59	.867	8373	5.6	64	SN	1	C	0128	.21	.40			TK
MANT	10	0122E	0141D	0122	N31	W90	.999	8362	3.3	19D	1N	1		0122	.72	2.16			
HALE	10	0227	0245	0233	N37	W83	.991	8362	3.9	18	1N	1	C	0233	.83				T
MANT	10	0339	0401	0343	N31	W90	.999	8362	3.4	22	1B	1		0343	.83	2.68			
MANT	10	0456E	0508D	0459	N31	W90	.999	8362	3.5	12D	SN	3		0459	.25	.84			
MANT	10	0658E	0709		N32	W90	.999	8362	3.5	11D	SF	1		0700	.33	1.07			
MANT	10	0710	0750	0717	N32	W90	.999	8362	3.5	40	2N	2		0717	2.00	6.50			
CAPS	10	0716	0733		N35	W80	.984	8362	4.3	17	SN	3						164	
ARCE	10	0800E	0825D		N36	W85	.994	8362	4.0	25D	SN		C		.39	1.60			
ARCE	10	0905	0925	0915	N34	W90	.999	8362	3.6	20	1B		C	0915	.71	4.10			
ISTA	10	0909	1002		N37	W90	.999	8362	3.6	53	1								
CAPS	10	0910	0925		N35	W90	.999	8362	3.6	15	1B	3						200	
MANT	10	0915	0925	0918	N32	W90	.999	8362	3.6	10	SN	1		0918	.41	1.36			
ARCE	10	0935	1000D	0935	N34	W90	.999	8362	3.6	25D	SN		C	0935	.23	1.20			
ARCE	10	0918E	1000D		N23	W68	.929	8373	5.3	42D	SF		C	0930	.36	.80			
ISTA	10	0923	1023		N24	W67	.924	8373	5.4	60	S								
ARCE	10	0945	1000D	0955	N19	W40	.668	8379	7.4	15D	SN		C	0955	1.21	1.60			H
ISTA	10	0946	1000		N31	W45	.769	8382	7.0	14	S								
KAND	10	1020E	1057		N26	W67	.925	8373	5.4	37D	SN		V						
CAPS	10	1033	1040		N34	W90	.999	8362	3.7	7	SN	3						180	D
KAND	10	1105	1137		N39	W90	.999	8362	3.7	32	2N		V						
MCMA	10	1134E	1150		N35	W90	.999	8362	3.7	16D	SF		C						A
CAPS	10	1233	1250		N32	W90	.999	8362	3.8	17	SF	3						135	
HUAN	10	1237	1243	1239	N36	W90	.999	8362	3.8	6	SF	2	C	1239	.25				D
MCMA	10	1239	1243	1240	N35	W90	.999	8362	3.8	4	SF		C						
MCMA	10	1253	1310	1257	N19	W43	.703	8379	7.3	17	SN		C	1257	.36	.50			D
LOCK	10	1522	1532	1524	N34	W90	.999	8362	3.9	10	SN		C	1524	.30	1.10		10	JL
HUAN	10	1522	1532	1527	N35	W90	.999	8362	3.9	10	SF	2	C	1527	.25				D
MCMA	10	1612	1705	1621	N19	W44	.714	8379	7.4	53	SF		C	1621	.62	.90			EH
MCMA	10			1632															
MCMA	10			1648															
HALE	10	1653	1708	1659	N36	W87	.997	8362	4.2	15	ON	1	C	1659	.21				T
LOCK	10	1655	1703	1658	N34	W90	.999	8362	4.0	8	SF		C	1658	.30	1.10		10	JL
MCMA	10	1655	1825		N35	W90	.999	8362	4.0	90	SF		C						
HALE	10	1756	1806D	1803	N35	W87	.997	8362	4.2	8D	OB	1	P	1803	.62				TE
LOCK	10	1758	1840	1803	N34	W90	.999	8362	4.0	42	1N		C	1803	1.00	3.70		20	JL
HUAN	10	1759	1811	1805	N35	W90	.999	8362	4.0	12	SN	2	C	1805	.62				
MCMA	10	1800	1850	1805	N35	W90	.999	8362	4.0	50	1B		C						AFK
MCMA	10			1827						50									
SACP	10	1801	1813	1806	N36	W89	.999	8362	4.1	12	SN		C		.53				
HALE	10	1830	1853	1846	N23	W72	.951	8373	5.4	23	SF	1	C	1846	.21				T
HALF	10	1903	1923	1910	N37	W87	.997	8362	4.3	20	OB	1	C	1910	.41				T
LOCK	10	1903	1930	1912	N34	W90	.999	8362	4.0	27	SN		C	1912	.50	1.90		10	JL
HUAN	10	1907	1916	1910	N36	W90	.999	8362	4.0	9	SF	1	C	1910	.25				D
MCMA	10	1907	1925	1911	N39	W90	.999	8362	4.0	18	SB		C						
HALE	10	1935	1946	1940	N37	W87	.997	8362	4.3	11	OB	1	C	1940	.52				TE
LOCK	10	1935	2010	1940	N34	W90	.999	8362	4.1	35	1N		C	1940	.70	2.60		10	JL
MCMA	10	1935	2055	1943	N38	W90	.999	8362	4.1	80	1B		C						
MCMA	10			2033															
HUAN	10	1936	1942		N37	W90	.999	8362	4.1	6	SF	1	P	1940	.25				D
LOCK	10	2011	2055	2025	N34	W90	.999	8362	4.1	44	1N		C	2025	.70	2.60		10	JL
MCMA	10	2018	2038	2022	N18	W48	.755	8379	7.2	20	SN		C	2022	.72	1.10			E
MCMA	10	2138	223HD	2148	N39	W90	.999	8362	4.2	60D	SN		C						
HUAN	10	2200	2216	2206	N36	W90	.999	8362	4.2	16	SF	1	C	2206	.21				D
LOCK	10	2300	2334	2320	N34	W90	.999	8362	4.2	34	1N		C	2320	.80	3.00		10	JL
HALF	11	0410E	0436	0410	N39	W87	.997	8362	4.6	26D	OB	1	P	0410	.31				T
ONDR	11	0418E	0443		N35	W90	.999	8362	4.4	25D	SF		V						AJ
ONDR	11	0525E	0540		N17	W50	.774	8379	7.5	15D	1N		V	0526			2.60		C
ARCE	11	0736E	0745D		N30	W55	.848	8379	7.2	9D	1N		P	0736	1.18	2.20			
CAPS	11	0709E	0904D		N37	W90	.999	8362	4.5	115D	1F	3							
SALT	11	0715E	0845		N34	W90	.999	8362	4.6	90D	2N	3		0730	1.80	10.80		200	C
ARCE	11	0820E	0941D	0910	N36	W90	.999	8362	4.6	81D	3B		C	0910	3.25	18.50			W
ARCE	11			0917										0917	7.48	42.50			A
CAPS	11	0904	1000		N37	W90	.999	8362	4.6	56	4N	3		0931	30.00			260	AIMREF
ARCE	11	0835E	0910D		N19	W51	.788	8379	7.5	35D	SF		C	0835	.59	1.00			H
ARCE	11	0835E	0922D		S32	W02	.587	8394	11.2	47D	1F		C	0850	1.66	2.00			H
SACP	11	1232	1255	1241	N18	W53	.806	8379	7.5	23	SN		C		1.06	1.42			
ONDR	11	1241E	1251		N17	W53	.804	8379	7.6	10D	SN		V	1244			1.70		D
SACP	11	1348	1405	1400	N26	E90	1.000	8397	18.3	17	SN		C		.70				
HUAN	11	1357	1405	1401	N26	E90	1.000	8397	18.3	8	SN	2	C	1401	.31				D
HUAN	11	1601	1722D	1612	N22	W56	.840	8379	7.5	81D	SF	2	C	1612	.31	.42			D
HUAN	11	1601	1722D	1702	N22	W56	.840	8379	7.5	81D		2	C	1702	.25	.34			
LOCK	11	1700	1728	1710	S16	E81	.991	8396	17.8	28	SF		C	1710	.30	1.00		10	J

SOLAR FLARES

JULY 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	JULY																		
LOCK	11	1813	1900	1825	S16	E81	.991	8396	17.8	47	SF		C	1825	.30	1.00		10	
LOCK	11	1820	1835	1825	N18	W56	.834	8379	7.6	15	SF		C	1825	.40	.70		10	J
LOCK	11	1931	1944	1935	N18	W56	.834	8379	7.6	13	SF		C	1935	.50	.90		10	J
HUAN	11	1932	1941	1934	N21	W58	.855	8379	7.5	9	SN	2	C	1934	.43	.62			E
MCMA	11	1932	1945	1935	N22	W58	.857	8379	7.5	13	SB		C	1935	.62	1.20			E
MCMA	11	2030	2110	2034	N22	W58	.857	8379	7.5	40	SF		C	2034	.62	1.20			E
HUAN	11	2037	2108		N21	W58	.855	8379	7.5	31	SF	2	C	2050	.46	.66			E
HUAN	11	2131	2200	2142	N22	W59	.865	8379	7.5	29	SN	2	C	2142	.31	.44			E
MCMA	11	2140	2155	2143	N22	W58	.857	8379	7.6	15	SF		C	2143	.52	1.00			E
HALF	11	2253	2315	2305	N21	W59	.864	8379	7.5	22	SN	2	C	2305	.83	1.60			
LOCK	11	2257	2320	2302	N18	W56	.834	8379	7.8	23	SF		C	2303	.80	1.40		10	J
LOCK	12	0050	0115	0055	N18	W60	.868	8379	7.5	25	SN		C	0055	.60	1.20		10	J
HALE	12	0052	0115	0054	N18	W60	.868	8379	7.5	23	SB	2	C	0054	.83	1.70			
HALF	12	0342E	0415D	0352	N26	E88	.998	8397	18.8	33D	CR	1	P	0352	.31				
CAPS	12	0704E	0717D		N26	W90	1.000	8373	5.5	13D	SN	2							A
MEUD	12	0946E	1018		N25	E90	1.000	8397	19.2	32D	SF			0955	.26				AC
CAPS	12	1035	1400D		N26	W90	1.000	8373	5.7	205D	1N	3							K
MEUD	12	1100	1117	1104	N25	E90	1.000	8397	19.2	17	SN			1104	.36				E
MEUD	12	1152	1218	1157	N25	E90	1.000	8397	19.2	26	SN			1157	.46				A
MEUD	12	1235	1243	1237	N25	W62	.891	8384	7.9	8	SN			1237	.41				E
CAPS	12	1238	1300D		N26	W60	.878	8384	8.0	22D	SN	3		1242	1.00			170	
ARCF	12	1405E	1440D		N24	W90	1.000	8373	5.8	35D	1N		P	1420	.39	2.20			
ARCF	12	1420E	1430D		N22	W66	.915	8384	7.6	10D	1N		P	1420	1.21	2.50			
LOCK	12	1517E	1535	1518U	N21	W90	1.000	8362	5.9	18D	SN		C	1518	.30	1.10		10	
LOCK	12	1548	1645	1555	N27	E85	.994	8397	19.0	57	SF		C	1555	.40	1.40		10	H
MEUD	12	1552	1612	1554	N25	E90	1.000	8397	19.4	20	SF			1554	.41				A
LOCK	12	1555	1630	1607	N21	W90	1.000	8362	5.9	35	SF		C	1607	.30	1.10		10	
LOCK	12	1617	1628	1621	N18	W70	.938	8379	7.4	11	SN		C	1621	.40	1.00		10	
MEUD	12	1618	1624	1620	N18	W70	.938	8379	7.4	6	SF			1620	.26				D
HALE	12	1658	1718	1712	N26	E79	.979	8397	18.6	20	SN	2	C	1712	.31				
MEUD	12	1700	1714	1705	N25	E85	.994	8397	19.1	14	SN			1705	.31				D
LOCK	12	1700	1717	1708	N27	E77	.973	8397	18.5	17	SN		C	1708	.60	1.90		10	H
LOCK	12	1735	1751	1742	N27	E77	.973	8397	18.5	16	SF		C	1742	.50	1.60		10	
MEUD	12	1802	1812D	1806	N25	W65	.911	8379	7.9	10D	SN			1806	.31				E
HUAN	12	1802	1816	1808	N24	W68	.929	8379	7.7	14	SF	2	C	1808	.31				E
LOCK	12	1802	1817	1807	N23	W68	.929	8379	7.7	15	SF		C	1807	.50	1.10		10	
HALE	12	1802	1822	1807	N24	W66	.917	8379	7.8	20	SN	1	C	1807	.57				
LOCK	12	2125	2200	2140	N28	E76	.969	8397	18.6	35	SF		C	2140	.50	1.60		10	H
LOCK	12	2215	2224	2219	N28	E74	.961	8397	18.5	9	SN		C	2219	.40	1.20		10	H
HALE	12	2215	2226	2218	N27	E79	.980	8397	18.9	11	SF	1	C	2218	.15				
LOCK	12	2318	2327	2321	N17	W72	.949	8379	7.6	9	SF		C	2321	.20	.50		10	
LOCK	12	2327	2345	2332	N19	W45	.724	8390	9.6	18	SF		C	2332	.60	.90		10	
LOCK	13	0010	0035	0017	N30	E74	.962	8397	18.6	25	SF		C	0017	.50	1.50		10	HJ
SACP	13	0011	0022D	0019	N32	E81	.985	8397	19.1	11D	SF		P		1.05				
MANI	13	0039	0055	0043	N27	E80	.982	8397	19.0	16	SF	2		0043	.36	.95			
LOCK	13	0045	0128	0105	N30	E74	.962	8397	18.6	43	SN		C	0105	.50	1.50		10	HJ
WEND	13	0533E	0549		N19	W50	.777	8390	9.5	16D	1N		V		3.09				
ARCF	13	0730E	0735D		S19	E60	.894	8396	17.8	5D	1N		P	0735	2.13	4.20			H
ARCF	13	0730E	1000D		N19	W80	.982	8379	7.3	150D	1N		C	0905	.97	3.10			K
MEUD	13	0855E	0858		N20	W80	.982	8379	7.4	3D	SN			0855	.31				CD
ARCF	13	0800E	0820D		N30	E80	.983	8397	19.3	20D	SF		C	0800	.29	.90			
WEND	13	0750E	0800D		S19	E60	.894	8396	17.8	10D	SN								
MEUD	13	0751E	0756		S19	E59	.887	8396	17.8	5D	SN			0752	.21				CD
ARCF	13	0800E	1000D		S19	E60	.894	8396	17.8	120D	2N		C	0840	2.43	5.20			U
MEUD	13	1129	1136	1130	N22	W80	.982	8379	7.5	7	SF			1130	.31				D
MEUD	13	1132	1138D	1136	N18	W52	.795	8390	9.6	6D	SN			1136	.21	.30			D
MEUD	13	1318	1330	1323	N22	W80	.982	8379	7.6	12	SN			1323	.26				D
MEUD	13	1331	1353	1336	S19	E54	.847	8396	17.6	22	SN			1336	.15	.30			D
MCMA	13	1333	1345	1336	S22	E57	.879	8396	17.8	12	SF		C	1336	.31	.60			
MCMA	13	1523	1600		N20	W90	1.000	8379	6.9	37	SF		C						
MCMA	13	1616	1625	1617	N23	W80	.982	8379	7.7	9	SN		C	1617	.31				DH
HUAN	13	1617E	1628		N23	W83	.990	8379	7.5	11D	SN	1	P	1618	.36				
MCMA	13	1625	1650	1633	N22	E90	1.000	8397	20.4	25	IN		C						A
LOCK	14	1710	1724	1716	N32	E70	.945	8397	20.0	14	SF		C	1716	.20	.40		10	
LOCK	14	1755	1920	1805	N29	E58	.867	8397	19.1	85	SF		C	1805	.40	.80		10	
MCMA	15	1133E	1205		S34	W53	.890	8394	11.5	32D	SF		C	1133	.52	1.00			E
KAND	15	1135E	1213		S29	W56	.892	8394	11.3	38D	SN		C						
SACP	15	1239	1247	1243	N25	E48	.771	8397	19.1	8	SN		C		.35	.44			
MCMA	15	1240	1246	1243	N25	E48	.771	8397	19.1	6	SB		C	1243	.31	.50			DH
MCMA	15	1915	1936	1924	N22	E32	.583	8397	18.2	21	SF		C	1924	.41	.50			E
MCMA	15	2005	2017	2010	N22	E32	.583	8397	18.2	12	SF		C	2010	.41	.50			E
LOCK	15	2034	2052	2039	N36	W60	.894	8385	11.4	18	SF		C	2039	.60	1.30		10	
HALE	15	2035	2045	2036	N39	W60	.901	8385	11.4	10	SF	1	C	2036	.41	.90			T
MCMA	15	2035	2047	2037	N38	W60	.898	8385	11.4	12	SN		C	2037	.31	.70			D
LOCK	15	2140	2202	2147	N36	W60	.894	8385	11.4	22	SF		C	2147	.60	1.30		10	
HALE	15	2143	2152	2146	N39	W60	.901	8385	11.4	9	SF	1	C	2146	.41	.90			T

SOLAR FLARES

JULY 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	JULY																		
MCMA	15	2144	2159	2146	N38	W61	.904	8385	11.3	15	SN		C	2146	.31	.70			D
LOCK	15	2230	2248	2238	N36	W60	.894	8385	11.4	18	SF		C	2238	.80	1.70		10	
MCMA	15	2234	2243D	2237	N38	W61	.904	8385	11.4	9D	SN		C	2237	.41	1.00			D
HALE	15	2331	2346	2339	N39	W60	.901	8385	11.5	15	SF	1	C	2339	.52	1.20			T
HALE	16	0228	0247	0233	S32	W58	.913	8394	11.8	19	SF	1	C	0233	.36				
MANI	16	0232	0249	0237	S31	W60	.922	8394	11.6	17	SN	3		0237	.46	.95			
MCMA	16	1715	1730	1723	S22	E75	.978	8401	22.3	15	SN		C	1723	.41	1.50			E
LOCK	16	1715	1733	1722	S19	E70	.955	8401	22.0	18	SF		C	1722	.40	1.10		10	
SACP	16	1716	1730	1722	S20	E66	.935	8401	21.7	14	SF		C		.69	1.27			
HALE	16	1718	1734	1722	S27	E69	.959	8401	21.9	16	SN	1	C	1722	.31				
MCMA	16	1722	1748	1725	N18	E25	.469	8398	18.6	26	SF		C	1725	.31	.30			DL
MCMA	16	1946E	1958		N33	E85	.993	8402	23.2	12D	SF		C	1950	.21				D
LOCK	16	2015	2045	2022	S19	E70	.955	8401	22.1	30	SF		C	2022	.20	.50		10	
LOCK	16	2300	2355	2320	N35	E79	.980	8402	22.9	55	SF		C	2320	.20	.60		10	H
SACP	17	0052	0126	0112	N35	E83	.990	8402	23.3	34	SF		C		.27				
ARCE	17	0855	1000D		S24	E70	.960	8401	22.6	65D	SN		C	0902	.48	1.30			
HALE	17	1744	1747	1745	N22	E05	.312	8397	18.1	3	SF	1	C	1745	.10	.11			
LOCK	17	2138	2154	2145	S21	E60	.899	8401	22.4	16	SF		C	2145	.40	.80		10	
LOCK	17	2235	2257		N25	E08	.373	8397	18.5	22	SF		C		.60	.70		10	
HALE	17	2238	2250	2241	N25	E06	.363	8397	18.4	12	SF	2	C	2241	.72	.80			
HALE	18	0154	0207	0155	S25	E60	.909	8401	22.6	13	SN	2	C	0155	.31				
KAND	18	0803	0823		N24	W90	.999	8385	11.6	20	SB		C						
LOCK	18	1840	1913	1845	N23	W46	.744	8392	15.3	33	SF		C	1845	.50	.80		10	K
LOCK	18			1905										1905	.50	.80			
SACP	18	1844	1912	1904	N21	W46	.738	8392	15.3	28	SF		C		.70	.85			
MCMA	18	1844	1913	1847	N22	W46	.741	8392	15.3	29	SB		C	1903	.41	.60			EK
MCMA	18			1903															
HUAN	18	1845	1900D		N22	W46	.741	8392	15.3	15D	SF	1	C	1848	.25	.31			D
HUAN	18	2014	2025	2020	N22	W47	.751	8392	15.3	11	SN	2	C	2020	.36	.44			
MCMA	18	2015	2032	2020	N22	W47	.751	8392	15.3	17	SB		C	2020	.41	.60			E
HALE	18	2016	2024	2017	N23	W46	.744	8392	15.4	8	SN	2	C	2017	.52	.80			
MCMA	18	2040	2049	2041	N35	E68	.936	8404	24.0	9	SF		C	2041	.21	.40			D
HALE	18	2326	2344	2333	S23	E49	.821	8401	22.7	18	SN	1	C	2333	.52	.90			
MANI	18	2331	2347	2335	S23	E50	.829	8401	22.7	16	SN	2		2335	.59	1.02			
LOCK	19	0100	0130	0106	S26	E50	.842	8401	22.8	30	SN		C	0106	.60	1.10		20	
HALE	19	0101	0111	0107	S24	E48	.817	8401	22.6	10	SN	2	C	0107	.21	.40			TLJ
LOCK	19	0125	0145	0133	S22	E45	.782	8401	22.4	20	SF		C	0133	.60	1.00		10	
LOCK	19	0130	0152	0137	S26	E50	.842	8401	22.8	22	SN		C	0137	.30	.50		20	
HALE	19	0251	0308	0253	S24	E47	.809	8401	22.6	17	SN	1	C	0253	.41	.70			TJ
MANI	19	0251	0310	0254	S24	E48	.817	8401	22.7	19	SN	2		0254	.41	.69			
HALF	19	0435	0458D	0440	S31	E28	.702	8401	21.3	23D	SN	1	P	0440	.31	.40			T
ARCE	19	0840	0855		N34	E55	.854	8404	23.5	15	SF		C	0840	.94	1.80			
KAND	19	0903	1000		S25	E42	.771	8401	22.5	57	SN		C						
HUAN	19	1241	1255	1244	S26	E43	.785	8401	22.8	14	SN	2	C	1244	.52	.66			E
SALT	19	1247E	1310		S22	E40	.736	8401	22.5	23D	SN	3		1255	1.20	1.80		160	CE
HUAN	19	1300	1322	1304	S26	E43	.785	8401	22.8	22	SF	2	C	1304	.70	.90			E
MCMA	19	1302E	1313D		S27	E44	.799	8401	22.8	11D	SN		C	1309	.41	.70			EH
LOCK	19	1623	1629	1625	S25	E41	.762	8401	22.8	6	SF		C	1625	.20	.30		10	
HALF	19	1625	1629	1626	S31	E34	.746	8401	22.2	4	SN	2	C	1626	.10	.20			T
LOCK	19	1650	1715	1705	N34	E54	.847	8404	23.8	25	SF		C	1705	.40	.70		10	
MCMA	19	1652E	1712		N35	E56	.864	8404	23.9	20D	SN		C	1656	.41	.80			DL
HALE	19	1715	1732	1724	S28	E34	.723	8401	22.3	17	SF	1	C	1724	.36	.50			T
LOCK	19	1716	1735	1724	S24	E40	.748	8401	22.7	19	SN		C	1724	.70	1.10		10	
HALE	19	1946	2015	1955	S26	E32	.690	8401	22.2	29	SF	1	C	1955	.83	1.20			T
LOCK	19	1948	2004	1955	S24	E40	.748	8401	22.8	16	SF		C	1955	.50	.80		10	
MCMA	19	1950	2028	1955	S26	E38	.742	8401	22.7	38	SN		C	1955	1.03	1.50			FLK
LOCK	19	2006	2017	2010	S24	E40	.748	8401	22.8	11	SF		C	2010	.50	.80		10	
LOCK	19	2019	2027	2021	S24	E40	.748	8401	22.8	8	SN		C	2021	.40	.60		10	
HALE	19	2021	2027	2023	S28	E33	.714	8401	22.3	6	SF	1	C	2023	.31	.40			T
LOCK	19	2025	2029	2026	N34	E46	.785	8404	23.3	4	SN		C	2026	.30	.50		10	
LOCK	20	1640	1750	1700	S19	W41	.730	8396	17.6	70	1N		C	1700	1.40	2.10		20	L
HALE	20	1645	1706	1658	S17	W43	.740	8396	17.5	21	SN	2	C	1658	.93	1.40			JSF
HUAN	20	1646	1725	1650	S18	W42	.735	8396	17.5	39	SN	2	C	1650	.56	.71			E
MCMA	20	1647	1716D	1652	S19	W41	.730	8396	17.6	29D	SB		C	1652	.62	.90			EL
LOCK	20	2110	2120	2115	N20	E77	.971	8405	26.7	10	SF		C	2115	.30	.90		10	
MCMA	20	2112	2120	2114	N22	E85	.994	8405	27.3	8	SF		C	2114	.31				D
HALE	20	2112	2123	2113	N23	E78	.975	8405	26.7	11	SF	1	C	2113	.21				
LOCK	21	0050	0150	0115	S18	W44	.755	8396	17.7	60	SF		C	0115	.90	1.40		10	L
HALE	21	0219	0233	0224	N23	E74	.958	8405	26.6	14	SF	2	C	0224	.15				
MCMA	21	1345	1358	1350	N28	W34	.639	8397	19.0	13	SN		C	1350	.72	.90			E
CAPS	21	1349E	1355		N28	W28	.577	8397	19.5	6D	SF	3			.30	.40		150	
SACP	21	1521	1547	1529	N20	E72	.948	8405	27.0	26	1N		C		1.41	2.81			
CAPS	21	1523	1538		N15	E76	.967	8405	27.3	15	1N	3			1.20			170	
LOCK	21	1523	1543	1527	N21	E72	.948	8405	27.0	20	1N		C	1527	.90	2.30		20	

SOLAR FLARES

JULY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 JULY																		
MCMA	21	1525	1543	1529	N21	E72	.948	8405	27.0	18	1B		C	1529	.77	2.50			E
HALE	21	1616	1630	1618	N24	E13	.389	8402	22.7	14	SN	3	C	1618	.26	.30			
MCMA	21	1755	1815	1756	N39	E58	.886	8408	26.1	20	SN		C	1756	.21	.50			DH
MCMA	21	1840	1902	1855	N39	E58	.886	8408	26.1	22	SN		C	1855	.31	.70			D
LOCK	21	1847	1900	1852	N37	E59	.887	8408	26.2	13	SF		C	1852	.40	.80		10	
HALE	21	1850	1900	1853	N39	F57	.880	8408	26.1	10	SN	2	C	1853	.31	.70			
HALE	21	1946	1955	1948	N24	E65	.908	8405	26.7	9	SN	2	C	1948	.36				
LOCK	21	2110	2145	2125	N22	W18	.414	8400	20.5	35	SF		C	2125	.50	.60		10	
HALE	21	2118	2155	2123	N20	W20	.417	8400	20.4	37	SF	2	C	2123	.21	.22			
LOCK	21	2208	2235	2218	N24	E11	.372	8402	22.7	27	SF		C	2218	.50	.60		10	
ARCE	22	0810E	0830D		N22	E06	.309	8402	22.8	20D	SN		C	0823	.85	.90			
ARCE	22	0935E	1000D		N18	E62	.882	8405	27.0	25D	1N		C	0945	1.24	2.60			
SACP	22	1235	1255	1247	N40	E90	.998	8413	29.3	20	SF		C		.27				
MCMA	22	1256	1308	1301	N28	W44	.739	8397	19.2	12	SF		C	1301	.31	.50			D
MCMA	22	1555	1616	1605	N38	E47	.808	8408	26.2	21	SF		C	1605	.41	.70			EL
MCMA	22	1707	1740	1723	N38	F47	.808	8408	26.2	33	SN		C	1723	.52	.90			E
LOCK	22	1710	1745	1725	N38	E45	.794	8408	26.1	35	SF		C	1725	.50	.80		10	
SACP	22	2043	2047D	2047	N33	E90	.999	8413	29.6	4D	1N		P		1.24				
LOCK	22	2043	2057	2048	N34	E90	.999	8413	29.6	14	1N		C	2048	1.20	4.40		10	H
MCMA	22	2044	2050D		N33	E90	.999	8413	29.6	6D	IF		P						A
LOCK	22	2225	2245	2230	N37	E44	.781	8408	26.2	20	SF		C	2230	.50	.80		10	
HALE	23	0242	0302	0243	N38	E40	.755	8408	26.1	20	SB	2	C	0243	.83	1.30			
HALE	23	0355	0410	0400	N37	E37	.725	8408	25.9	15	SN	2	C	0400	.41	.60			
CAPS	23	0631E	0725D		N38	E42	.771	8408	26.4	54D	SN	2			.80	1.40		160	
KANO	23	0755E	1003		N36	E39	.735	8408	26.3	128D	1B		C	0941		3.80			
CAPS	23	0832E	0846D		N38	E42	.771	8408	26.5	14D	SF	3			.50	.90		150	
CAPS	23	0859E	0910D		N38	E42	.771	8408	26.5	11D	SF	3			.50	.90		150	
ARCE	23	0900E	0955D		N38	E39	.748	8408	26.3	55D	1B		C	0955	3.05	4.80			H
CAPS	23	0935	0937D		N38	E42	.771	8408	26.5	2D	SN	1		0936	1.00	1.80		182	
ARCE	23	0910			N25	E50	.787	8405	27.1		SN		C	0910	.52	.80			
ARCE	23	0930			N29	W50	.798	8399	19.6		SN		C	0930	.98	1.60			
KANO	23	0930	0937		N27	W56	.844	8397	19.2	7	SN		C						
HUAN	23	1328	1355		N38	E35	.717	8408	26.2	27	SF	1	C	1340	.52	.62			E
MCMA	23	1344E	1420D		N38	E33	.702	8408	26.0	36D	SB		C	1344	.83	.90			EL
MCMA	23			1419															
HUAN	23	1414	1432	1424	N38	E36	.725	8408	26.3	18	SF	2	C	1424	.52	.62			E
SACP	23	1417E	1425	1419	N38	E34	.709	8408	26.1	8D	SF		C		.78	.92			
LOCK	23	1537	1551	1540	N37	E31	.678	8408	26.0	14	SN		C	1540	1.10	1.50		20	
HUAN	23	1537	1552	1540	N37	E33	.694	8408	26.1	15	SN	2	C	1540	1.13	1.31			
SACP	23	1538	1546	1541U	N37	E31	.678	8408	26.0	8	SN		C		1.75	2.01			
CAPS	23	1539E	1600D		N37	E40	.749	8408	26.7	21D	1B	3		1541	2.50	3.70		200	C
MCMA	23	1542E	1600D		N38	F33	.702	8408	26.1	18D	SB		P	1542	.77	.90			E
LOCK	23	1641	1653	1644	N37	E31	.678	8408	26.0	12	SN		C	1644	1.00	1.40		10	
MCMA	23	1642	1649D	1646	N38	E33	.702	8408	26.2	7D	1B		C	1646	1.55	2.10			EH
HUAN	23	1642	1650	1644	N37	E32	.686	8408	26.1	8	SF	1	C	1644	.52	.59			E
HALE	23	1644	1710	1646	N37	E30	.671	8408	25.9	26	SB	1	C	1646	.93	1.30			
MCMA	23	1931	2007	1938	N21	W44	.714	8400	20.5	36	SN		C	1938	.41	.60			E
HALE	23	1932	2003	1941	N21	W44	.714	8400	20.5	31	SN	2	C	1941	.41	.60			EG
HALE	23	1940	1946	1942	N20	W57	.842	8400	19.5	6	SN	2	C	1942	.31	.60			
SACP	23	1940E	1950D	1948U	N20	W45	.722	8400	20.4	10D	SF		P		.53	.62			
HALE	23	2053	2309	2058	N27	W80	.981	8397	17.9	136	SF	2	C	2058	.21				
MCMA	23	2226E	2232D		N37	E90	.999	8413	30.7	6D	SF		P						
LOCK	23	2250	2320	2302	N39	E32	.702	8408	26.4	30	SF		C	2302	.50	.70		10	
MANI	23	2258E	2305D		N36	E30	.662	8408	26.2	7D	SN	2		2300	.74	1.00			
HALE	23	2344	2400	2353	N37	E27	.648	8408	26.0	16	SF	2	C	2353	.31	.40			TF
HALE	24	0028	0052	0037	N38	E28	.664	8408	26.1	24	SN	2	C	0037	.52	.70			TF
LOCK	24	0029	0046	0035	N40	E30	.696	8408	26.3	17	SN		C	0035	1.00	1.40		20	
HALE	24	0100	0120	010R	N38	E28	.664	8408	26.1	20	SN	2	C	0108	.41	.60			TF
HALF	24	0151	0202	0154	N40	E26	.669	8408	26.0	11	SN	2	C	0154	.36	.50			T
HALF	24	0156	0218	0207	N35	W06	.506	8404	23.6	22	SF	2	C	0207	.41	.50			TF
HALE	24	0402	0414	0407	N37	E18	.586	8408	25.5	12	SN	3	C	0407	.31	.40			T
HALF	24	0426	0439	0433	N36	E18	.574	8408	25.5	13	SN	3	C	0433	.41	.50			TF
HALE	24	0430	0501D	0437	N36	W07	.523	8404	23.7	31D	SN	3	P	0437	.31	.40			TE
MEUD	24	0628	0629D		N34	W05	.488	8404	23.9	1D	SF			0628	.26	.30			D
MEUD	24	0650E	0702D		N21	W50	.777	8400	20.5	12D	SN			0655	.52	.80			C
MEUD	24	0701	0702D		N37	E20	.598	8408	25.8	1D	SF			0701	.15	.20			D
MEUD	24	0734	0810		N35	W06	.506	8404	23.9	36	SN			0755	.52	.60			E
MEUD	24	0735	0802	0750	N38	E29	.671	8408	26.5	27	SB			0750	.52	.70			
CAPS	24	0742	0752		N40	W30	.696		22.1	10	SB	3				.40		195	E
KANO	24	0820	0834		N27	W70	.939	8397	19.1	14	SF		P						
MEUD	24	0856	0858D		N35	E25	.612	8408	26.2	2D	SF			0856	.21	.30			D
KANO	24	0857	0900		N39	E27	.666	8408	26.4	3	SB		P						
MEUD	24	0944	0946	0944	N35	E18	.562	8408	25.8	2	SF			0944	.26	.30			D
MEUD	24	0958	1005	1001	N32	W05	.458	8404	24.0	7	SF			1001	.21	.22			D
MEUD	24	1023E	1035	1027	N35	E25	.612	8408	26.3	12D	SB			1027	.67	.90			
CAPS	24	1025	1041		N37	E26	.640	8408	26.4	16	SN	3		1032	.90	1.20		176	JL
CAPS	24	1056E	1110		N37	E26	.640	8408	26.4	14D	SN	3		1058	1.00	1.30		160	EH

SOLAR FLARES

JULY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	JULY																		
CAPS	24	1216	1250		N40	E87	.995	8413	31.0	34	1N	3							
MCMA	24	1229E	1242D		N37	E90	.999	8413	31.3	13D	SN		C						AB
MCMA	24	1409	1500	1420	N37	E22	.611	8408	26.2	51	SF		C	1420	.31	.40			DH
SACP	24	1453	1510	1458	N24	E29	.555	8405	26.8	17	SN		C		1.41	1.49			
MEUD	24	1454	1504D	1458	N23	E30	.559	8405	26.9	10D	SB			1458	1.08	1.30			
MCMA	24	1454	1509	1458	N24	E29	.555	8405	26.8	15	SN		C	1458	.62	.80			EH
CAPS	24	1455	1505		N24	E29	.555	8405	26.8	10	SN	3		1500	1.50	1.80		170	G
MCMA	24	1700	1704	1701	N37	E22	.611	8408	26.4	4	SN		C	1701	.41	.50			EH
LOCK	24	1713	1719	1715	N37	E82	.986	8413	30.9	6	SF		C	1715	.30	1.00		10	H
LOCK	24	1755	1815	1804	N36	E82	.986	8413	30.9	20	SF		C	1804	.60	2.00		10	H
HUAN	24	1801E	1811		N34	E90	.999	8413	31.5	10D	SF	1	P	1805	.31				D
LOCK	24	1815	1834	1822	N37	E10	.547	8408	25.5	19	SF		C	1822	.40	.50		10	
MCMA	24	1818	1829	1823	N37	E10	.547	8408	25.5	11	SF		C	1823	.36	.40			EH
HUAN	24	1822	1826D		N36	E11	.537	8408	25.6	4D	SF	1	P	1825	.21	.22			E
MCMA	24	1900	1926D	1908	N37	E15	.569	8408	25.9	26D	SF		C	1908	.77	.90			EH
MCMA	24			1918										1918	.83	1.00			
HUAN	24	2018	2033		N22	E33	.589	8405	27.3	15	SN	1	P	2021	.31	.34			D
MCMA	24	2030E	2050		N22	E34	.601	8405	27.4	20D	SN		C	2032	.31	.40			DH
LOCK	24	2140	2157	2144	N38	F07	.552	8408	25.4	17	SN		C	2144	1.00	1.20		20	H
HUAN	24	2142	2150	2146	N37	E08	.540	8408	25.5	8	SN	2	C	2146	.37	.39			
MCMA	24	2143	2153	2144	N37	E10	.547	8408	25.7	10	SN		C	2148	.31	.40			DHK
MCMA	24			2148															
LOCK	24	2215	2244	2221	N35	E06	.506	8408	25.4	29	SF		C	2221	.50	.60		10	
LOCK	24	2310	2350	2325	N24	E24	.497	8405	26.8	40	SN		C	2325	.60	.70		20	
MANI	24	2320E	2336D	2324	N22	E23	.468	8405	26.7	16D	SN	2		2324	.52	.59			
MANI	25	0506E	0535	0506	N38	E16	.586	8408	26.4	29D	1B	3		0506	1.75	2.14			
MEUD	25	0737	0740	0738	N37	E15	.568	8408	26.4	3	SF			0738	.26	.30			D
KAND	25	0750E	0805		N37	E12	.554	8408	26.2	15D	1N		C	0758		2.20			
MANI	25	0753	0808	0757	N36	E15	.555	8408	26.5	15	SN	3		0757	.52	.63			
MEUD	25	0755	0805	0758	N38	E12	.567	8408	26.2	10	SN			0758	.62	.70			E
MANI	25	0907E	0935	0915	N31	E75	.963	8413	31.0	28D	SF	1		0915	.62	1.45			
MEUD	25	0913E	0925		N35	E80	.981	8413	31.4	12D	SN			0913	1.24				C
KAND	25	0910	1033		N37	E12	.554	8408	26.3	83	SN		P						
MEUD	25	1019	1023	1020	N38	E16	.586	8408	26.6	4	SN			1020	.21	.23			D
KAND	25	0959	1019		N21	E23	.459	8405	27.1	20	SF		P						
KAND	25	1043	1057		N21	E23	.459	8405	27.2	14	SF		C						
KAND	25	1234	1253		N36	E10	.532	8408	26.3	19	SN		C						
MCMA	25	1302	1330	1305	N38	F08	.553	8408	26.1	28	SF		C	1305	.83	1.00			F
KAND	25	1305	1330D		N37	E12	.554	8408	26.4	25D	SN		C						
SACP	25	1339	1402D	1358	N39	E11	.577	8408	26.4	23D	SN		P		.70	.75			
HUAN	25	1339	1405D		N38	E08	.553	8408	26.2	26D	SN	1	P	1400	1.39	1.47			E
CAPS	25	1340	1426		N38	E17	.591	8408	26.8	46	1N	3		1408	1.80	2.00		190	
MCMA	25	1340	1525	1403	N38	F05	.546	8408	25.9	105	1B		C	1403	1.65	2.10			FHK
MEUD	25	1351E	1351D		N37	E10	.546	8408	26.3	D	SN			1351	.41	.50			E
LOCK	25	1515	1545U	1530	N22	E90	.999	8414	1.4	30U	SF		C	1530	.30	1.10		10	
LOCK	25	1620	1635	1625	N22	E19	.421	8405	27.1	15	SF		C	1625	.30	.30		10	
MEUD	25	1622	1629D	1623	N22	E20	.432	8405	27.2	7D	SN			1623	.31	.34			E
HALE	25	1623	1637	1627	N23	E17	.410	8405	27.0	14	SB	3	C	1627	.31	.34			TE
HALF	25	1623	1630	1626	N36	E60	.890	8413	30.2	7	SN	3	C	1626	.21	.50			T
LOCK	25	1623	1655	1635	N36	W27	.636	8404	23.7	32	SF		C	1635	.80	1.00		10	
HALE	25	1623	1708	1631	N36	W27	.636	8404	23.7	45	SN	3	C	1631	.31	.40			TF
SACP	25	1624	1646	1629	N36	W28	.644	8404	23.6	22	SF		C		.53	.59			
MEUD	25	1625	1629D	1628	N37	W25	.631	8404	23.8	4D	SN			1628	.46	.60			
MCMA	25	1626	1642	1635	N36	W28	.644	8404	23.6	16	SF		C	1635	.46	.60			EH
MEUD	25	1735	1738	1736	N36	E03	.514	8408	26.0	3	SN			1736	.21	.21			D
MCMA	25	1740	1840	1749	N36	E08	.525	8408	26.3	60	SF		C	1749	.77	.90			E
MCMA	25	1858	1915	1905	N38	E06	.548	8408	26.2	17	SN		C	1905	.62	.80			E
MCMA	25	1924	2035	1925	N38	E06	.548	8408	26.3	71	SB		C	1925	.62	.80			EVK
MCMA	25			1953										1953	1.03	1.20			
LOCK	25	1950	2010	1957	N38	E06	.548	8408	26.3	20	SN		C	1957	.50	.60		10	J
MANI	26	0000E	0020	0002	N36	E05	.516	8405	26.4	20D	SF	1		0002	.52	.60			
LOCK	26	0015	0105D	0038	N28	E06	.397	8408	26.5	50D	1N		C	0038	2.10	2.50		20	
SACP	26	0057E	0110D	0105	N39	E04	.558	8408	26.3	13D	SF		P		.43	.46			
MANI	26	0030	0106	0039	N36	E05	.516	8405	26.4	36	SN	2		0039	.90	1.10			
MANI	26	0151	0204	0154	N30	E70	.940	8413	31.3	13	SF	2		0154	.52	1.10			
CAPS	26	0626E	0709		N34	E56	.858	8413	30.5	43D	1B	3		0631	1.50	2.70		230	CEJ
MANI	26	0631E	0641D	0634	N29	E59	.870	8413	30.7	10D	SN	1		0634	.93	1.70			
ONDR	26	0631E	0652D		N35	E55	.854	8413	30.4	21D	1B		V	0644			1.40		
MEUD	26	0716E	0755D	0744	N33	E53	.833	8413	30.3	39D	1N			0744	1.29	2.30			
KAND	26	0722E	0815		N31	E56	.851	8413	30.5	53D	1N		C	0736		2.90			
ARCF	26	0738E	0815		N35	E55	.854	8413	30.4	37D	1N		C	0738	2.69	5.10			K
ARCF	26	0800E			N29	E88	.997	8414	1.9		SN		C	0800	.33	1.60			
KAND	26	0800	0839		N38	F07	.549	8408	26.9	39	SN		C						
MEUD	26	0811E	0815		N39	F05	.559	8408	26.7	4D	SF			0812	.15	.20			D
MEUD	26	0811	0818	0812	N30	W85	.993	8399	20.0	7	SN			0812	.21				
ARCF	26	0905E	0937D		N41	E05	.588	8408	26.8	32D	SN		C	0905	.33	.40			D
MEUD	26	0908E	0912	0909	N39	E04	.558	8408	26.7	4D	SN			0909	.26	.30			CD
ARCF	26	0905	1005D	0910	N23	F90	.999	8414	2.1	60D	2B		C	0910	1.89	10.70			

SOLAR FLARES

JULY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	JULY																		
CAPS	26	0907E	0935		N23	E90	.999	8414	2.1	28D	1N	3		0907	2.50			170	C
MEUD	26	0908E	0950		N22	E90	.999	8414	2.1	42D	SB			0910	.77				C
KAND	26	0908	1025		N21	E90	.999	8414	2.1	77	2B		C						
MEUD	26	0939E	0942D		N36	E03	.512	8408	26.6	3D	SN			0939	.26	.30			CD
KAND	26	0939	0943		N35	E01	.496	8408	26.5	4	SN		C						
KAND	26	1012	1021		N35	E01	.496	8408	26.5	9	SN		C						
KAND	26	1019	1029		N35	E01	.496	8408	26.5	10	SN		C						
KAND	26	1125	1150		N35	E06	.503	8408	26.9	25	SN		C						
KAND	26	1155	1330		N21	E90	.999	8414	2.2	95	2N		C						
KAND	26	1216	1247		N35	W01	.496	8408	26.4	31	SN		C						
MEUD	26	1229E	1229D		N30	E90	.999	8414	2.3	D	SN			1229	.62				
SACP	26	1427	1440	1436	N37	W02	.526	8408	26.5	13	SF		C		.79	.87			
CAPS	26	1431	1438		N35	E02	.496	8408	26.8	7	SF	3		1434	.50	.60		150	
SACP	26	1444	1518	1454	N25	F83	.989	8414	1.8	34	SN		C		.27				
LOCK	26	1610	1625	1616	N37	W04	.529	8408	26.4	15	SN		C	1616	.40	.50		10	H
HUAN	26	1611	1621	1615	N37	E02	.526	8408	26.8	10	SF	2	C	1615	.37	.39			
MCMA	26	1613	1620	1616	N37	W03	.527	8408	26.5	7	SN		C	1616	.31	.40			DH
HALE	26	1614	1620	1617	N37	W01	.526	8408	26.6	6	SN	3	C	1617	.41	.50			E
HALE	26	1723	1736	1733	N35	W39	.727	8404	23.8	13	SF	3	C	1733	.21	.30			
SACP	26	1736	1804	1740	N26	E82	.986	8414	1.9	28	SF		C		.88				
HALE	26	1925	1950	1935	N36	W42	.757	8404	23.7	25	SN	2	C	1935	.41	.60			TL
MCMA	26	1927	1942D		N37	W43	.771	8404	23.6	15D	SF		C	1929	.41	.60			K
LOCK	26	1928	1948	1935	N36	W44	.774	8404	23.5	20	SF		C	1935	.40	.60		10	
HALE	26	1928	1949	1935	N36	W42	.757	8404	23.7	21	SF	2	C	1935	.31	.50			T
LOCK	26	2010	2035	2023	N23	W53	.809	8402	22.9	25	SF		C	2023	.30	.50		10	J
HUAN	26	2043	2103	2047	N25	W52	.804	8402	23.0	20	SF	2	C	2047	.25	.33			D
LOCK	26	2120	2134	2127	N36	W13	.544	8408	25.9	14	SF		C	2127	.20	.20		10	
LOCK	26	2215	2245	2225	S23	E22	.581	8411	28.6	30	SF		C	2225	1.10	1.30		10	J
SACP	27	0041	0100	0046	N26	E77	.970	8414	1.8	19	SF		C		.70	1.62			
MEUD	27	0731	0735		N23	E75	.962	8414	1.9	4	SN			0732	.31				
KAND	27	0732	0739		N24	E76	.966	8414	2.0	7	SN		P						
ARCF	27	0733E	0738D		N23	E75	.962	8414	1.9	5D	SF		P	0733	.59	1.60			
ARCF	27	0902E	1000D		N24	E90	.999	8415	3.1	58D	1N		C	0922	.39	2.20			
MEUD	27	0941	0951D		N37	W15	.566	8408	26.3	10D	SF			0947	.52	.60			
KAND	27	1154	1213		N34	E51	.820	8413	31.3	19	SN		V						
LOCK	27	1510E	1523	1510U	N22	E79	.977	8414	2.6	13D	SF		C	1510	.30	.90		10	
SACP	27	1500	1519	1509	N21	E81	.984	8415	2.7	19	SF		C		.27				
LOCK	27	1510	1555	1525	N26	E90	.999	8415	3.4	45	SF		C	1525	.40	1.50		10	
LOCK	27	1600	1624	1610	N26	E90	.999	8415	3.4	24	SF		C	1610	.30	1.10		10	
LOCK	27	1600	1650	1610	N36	E51	.827	8413	31.5	50	SN		C	1610	1.20	2.00		20	
HUAN	27	1601	1645	1622	N37	E53	.845	8413	31.6	44	1F	1	C	1622	1.29	1.85			E
SACP	27	1602	1655	1622	N37	E50	.823	8413	31.4	53	SF		C		1.49	2.02			
HALE	27	1622	1630	1623	N40	E57	.880	8413	1.0	8	SF	2	C	1623	.52	1.10			
LOCK	27	1633	1653	1638	N24	E75	.962	8414	2.3	20	SF		C	1638	.20	.50		10	
HUAN	27	1734	1753	1744	N23	W12	.360	8405	26.8	19	SF	2	C	1744	.37	.37			
LOCK	27	1735	1753	1743	N22	W14	.366	8405	26.7	18	SN		C	1743	.50	.60		10	
HALE	27	1748E	1753		N23	W14	.378	8405	26.7	5D	SN	2	P	1748	.21	.22			
LOCK	27	1812	1835	1817	N25	E90	.999	8415	3.5	23	SF		C	1817	.40	1.50		10	
HALE	27	1815	1829	1821	N27	E87	.996	8415	3.3	14	OF	2	C	1821	.31				
HUAN	27	1851	1859	1855	N23	E72	.947	8414	2.2	8	SN	2	C	1855	.37				
LOCK	27	1851	1905	1856	N24	E73	.953	8414	2.3	14	SN		C	1856	.70	1.60		20	H
HALE	27	1854	1901	1856	N25	E67	.920	8414	1.8	7	SB	2	C	1856	.41				T
LOCK	27	2012	2045	2017	N26	E69	.932	8414	2.0	33	1N		C	2017	1.20	2.80		20	
HUAN	27	2013	2036	2016	N24	E68	.925	8414	1.9	23	SN	2	C	2016	.70				E
HALE	27	2015	2032	2018	N26	E67	.921	8414	1.9	17	1N	2	C	2018	.88				T
MCMA	27	2017E	2035D		N25	E70	.937	8414	2.1	18D	1F		C	2024	1.03	3.00			B
HALE	27	2030	2047	2039	N27	E87	.996	8415	3.4	17	OF	1	C	2039	.21				T
LOCK	27	2033	2052	2040	N26	E90	.999	8415	3.6	19	SF		C	2040	.40	1.50		10	
LOCK	27	2115	2215	2140	N25	E90	.999	8415	3.6	60	SF		C	2140	.50	1.90		10	
LOCK	27	2051	2103	2054	N24	E73	.953	8414	2.3	12	SN		C	2054	.60	1.40		20	H
HUAN	27	2052	2100	2054	N23	E70	.937	8414	2.1	8	SF	2	C	2054	.31				D
HALE	27	2054	2301	2055	N23	E67	.919	8414	1.9	127	SN	2	C	2055	.36				T
LOCK	27	2238	2250	2243	N24	E73	.953	8414	2.4	12	SN		C	2243	.40	.90		10	
LOCK	27	2322	2327	2325	N24	E73	.953	8414	2.4	5	SF		C	2325	.50	1.20		10	
LOCK	27	2329	2336	2333	N24	E73	.953	8414	2.5	7	1N		C	2333	1.20	2.80		20	H
LOCK	27	2352	2358	2354	N24	E73	.953	8414	2.5	6	SF		C	2354	.30	.70		10	
LOCK	28	0005	0017	0008	N26	E90	.999	8415	3.8	12	SF		C	0008	.50	1.90		10	
LOCK	28	0037	0047	0041	N24	E69	.931	8414	2.2	10	SF		C	0041	.20	.50		10	
LOCK	28	0048	0125	0105	S24	E06	.501	8411	28.5	37	SN		C	0105	.70	.80		10	
LOCK	28	0101	0106	0103	N24	E69	.931	8414	2.2	5	SN		C	0103	.50	1.20		20	
HALE	28	0343	0357	0350	N27	E62	.888	8414	1.8	14	SN	1	C	0350	.21	.50			
HALF	28	0345	0353	0348	N22	E86	.995	8415	3.6	8	OF	1	C	0348	.21				
MEUD	28	0650	0658	0652	N25	E85	.993	8415	3.7	8	SN			0652	.21				D
KAND	28	0734E	1020		N23	E60	.869	8414	1.8	166D	SN		P						
MEUD	28	1110	1118	1112	N25	E62	.886	8414	2.1	8	SF			1112	.21	.40			
MEUD	28	1155	1205	1157	N36	W30	.658	8408	26.2	10	SF			1157	.41	.50			E
MEUD	28	1155	1225	1209	N24	E82	.986	8415	3.6	30	SN			1209	.72				
KAND	28	1200E	1224		N24	E82	.986	8415	3.7	24D	SN		P						

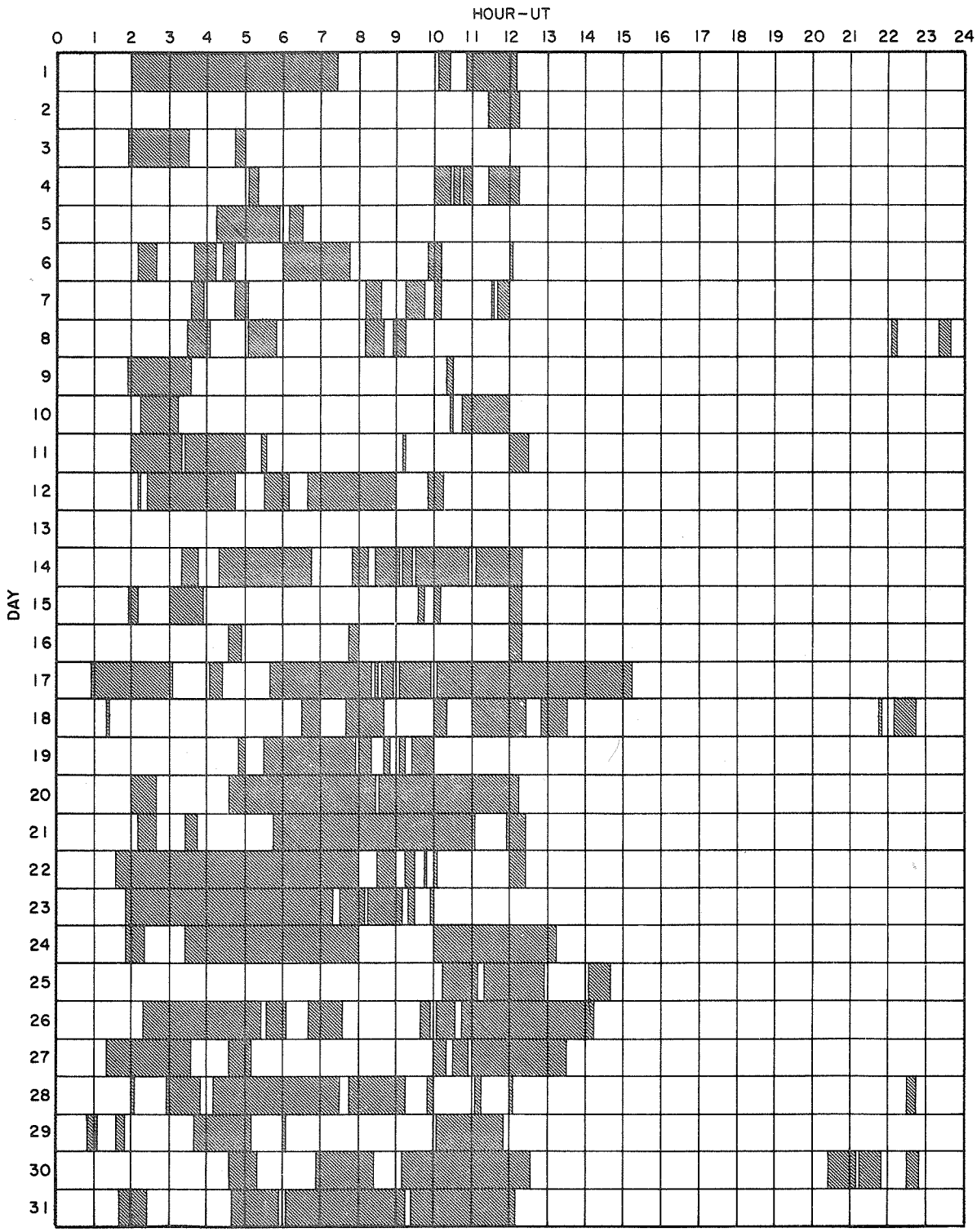
SOLAR FLARES

JULY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	JULY																		
HUAN	28	1206E	1233		N26	E85	.993	8415	3.9	27D	SF	1	P	1207	.62				E
SACP	28	1424	1437	1428	N23	E58	.852	8414	2.0	13	SN		P		.70	1.01			
MEUD	28	1427	1431D	1428	N22	E60	.868	8414	2.1	4D	SN			1428	.41	.70			
HUAN	28	1541	1551	1544	N23	E57	.844	8414	1.9	10	SF	1	C	1544	.25	.35			D
LOCK	28	1620	1632	1625	N25	E55	.830	8414	1.8	12	SF		C	1625	.40	.70		10	J
MCMA	28	1620E	1634		N23	E57	.844	8414	2.0	14D	SN		C	1624	.41	.80			EH
MCMA	28	1644	1713D		N23	E57	.844	8414	2.0	29D	SN		P	1700	.52	1.00			E
MCMA	28	1802E	1810D		N25	E58	.855	8414	2.1	8D	IN		P	1805	1.03	2.00			E
LOCK	28	1803	1812D	1812	N26	E56	.840	8414	2.0	9D	SF		C	1812	.70	1.30		10	
LOCK	28	1925	1935	1929	N23	E55	.827	8414	1.9	10	SF		C	1929	.60	1.10		10	
LOCK	28	1935	2025	1945	N36	W36	.707	8408	26.1	50	SN		C	1945	.90	1.30		10	
HUAN	28	1935	2036	1955	N37	W38	.730	8408	26.0	61	SN	2	C	1955	.45	.55			E
HALE	28	1939	1947	1941	N37	W32	.682	8408	26.4	8	SF	1	C	1941	.26	.40			
HALE	28	1941	2025	1956	N35	W36	.700	8408	26.1	44	SN	1	C	1956	.62	.90			
MCMA	28	1942E	1949D		N38	W39	.744	8408	25.9	7D	SN		P	1945	.52	.80			D
SACP	28	1948E	2040	1949	N36	W36	.707	8408	26.1	52D	SF		P		1.59	1.86			
MCMA	28	2210E	2240		N25	E55	.830	8414	2.0	30D	IB		P	2218	1.24	2.10			F
HALE	28	2216	0117	2332	N38	E32	.690	8413	31.3	259	2B	2	C	2332	7.32	10.20			
HALF	28			2252										2252	8.77	12.30			
HUAN	28	2213	2231D		N34	E34	.675	8413	31.5	18D	2N	1	P	2224	5.21	5.91			
MCMA	28	2218E	2342D	2240	N35	E35	.691	8413	31.6	84D	3B		P	2240	8.25	12.00			FIKLU
MCMA	28			2325										2325	6.19	12.00			
SACP	28	2245E	2338D	2305	N37	E33	.690	8413	31.4	53D	3B		P		14.05	16.28			
MANI	28	2251E	2450	2310	N34	E29	.632	8413	31.1	119D	3B	1		2310	10.31	13.50			
MCMA	28	2310E	2315D		N25	E55	.830	8414	2.1	5D	SN		P	2311	.52	.90			E
LOCK	28	2316E	0003	2316	N24	E55	.828	8414	2.1	393D	2N		C	2316				20	
MCMA	28	2323	2330	2325	N25	E78	.974	8415	3.8	7	SF		P	2325					D
HALE	28	2325	2343	2327	N24	E73	.952	8415	3.5	18	SN	1	C	2327	.31				
HALF	29	0012	0028	0018	N25	E50	.784	8414	1.8	16	SN	1	C	0018	.41	.70			
MANI	29	0216	0235D	0219	N21	E41	.677	8414	1.2	19D	SF	1		0219	.19	.26			
HALF	29	0254	0307	0256	S22	W07	.475	8411	28.6	13	SN	1	C	0256	.41	.50			
MANI	29	0256E	0310D	0259	S21	W08	.464	8411	28.5	14D	SN	2		0259	.41	.48			
WEND	29	0510E	0523		N23	E47	.749	8414	1.7	13D	1N		V		3.09				
WEND	29	0538E	0547D		N23	E47	.749	8414	1.8	9D	SN								
WEND	29	0738E	0752D		N26	E48	.768	8414	1.9	14D	SN								
KAND	29	0739	0746		N23	E48	.759	8414	1.9	7	1N		C	0742		4.10			
SALT	29	0922E	0933D		N28	E70	.938	8415	3.6	11D	1N	3		0930	1.50	4.50		175	C
ARCE	29	0910E	1005D		N24	E47	.752	8414	1.9	55D	SN		C	0925	1.30	1.90			H
SALT	29	0922E	0933D		N25	E45	.734	8414	1.8	11D	SN	3		0930	1.20	1.80		175	C
KAND	29	1015E	1047		N23	E46	.739	8414	1.9	32D	SB		C						
CAPS	29	1112E	1120		N35	W22	.585	8417	27.8	8D	SN	3			.40	.50		160	
CAPS	29	1112E	1138D		S20	W15	.492	8411	28.3	26D	SF	3			.50	.60		155	E
KAND	29	1144E	1205		N21	E47	.744	8414	2.0	21D	SN		C						
KAND	29	1200	1212		N26	E72	.948	8415	3.9	12	SN		C						
HUAN	29	1251E	1318		N25	E68	.926	8415	3.6	27D	SF	1	C	1300	.46				
MCMA	29	1516	1522D	1517	N24	E44	.721	8414	1.9	6D	SN		P	1517	.31	.40			EH
HUAN	29	1540	1554	1546	N23	E45	.728	8414	2.0	14	SF	1	C	1546	.37	.44			E
LOCK	29	1600	1620	1610	N24	E44	.721	8414	2.0	20	SN		C	1610	.80	1.10		20	
HUAN	29	1602	1611	1607	N23	E45	.728	8414	2.0	9	SF	1	C	1607	.25	.29			D
MCMA	29	1602	1613	1607	N24	E44	.721	8414	2.0	11	SN		C	1607	.41	.60			D
MCMA	29	1623	1640D	1630	N24	E44	.721	8414	2.0	17D	SN		C	1630	.31	.40			D
LOCK	29	1640	1710	1652	N25	E43	.714	8414	1.9	30	SF		C	1652	.50	.70		10	
SACP	29	1725E	1729E	1729U	N19	E90	1.000	8421	5.5	4D	SF		P		.43				
MCMA	29	2043	2112	2045	N27	E66	.915	8415	3.8	29	SN		C	2045	.52	1.20			D
CAPS	30	0728E	0736		N19	E45	.717	8414	2.7	8D	SN	3		0732	.80	1.10			
MEUD	30	1129E	1132		N25	E55	.829	8415	3.6	3D	SF			1130	.15	.30			CD
CAPS	30	1138	1155		N20	W39	.650	8405	27.6	17	SF	3			.90	1.30			
ONDR	30	1138	1158		N20	W42	.685	8405	27.3	20	SN		V	1140			1.30		
MEUD	30	1141E	1142D		N20	W43	.697	8405	27.3	1D	SN			1141	.41	.60			C
HUAN	30	1303	1315	1308	N17	E88	.998	8421	6.1	12	SF	1	C	1308	.31				D
MEUD	30	1314E	1318		N17	E90	1.000	8421	6.3	4D	SF			1314	.26				
HUAN	30	1425	1439		N17	E88	.998	8421	6.2	14	SF	1	C	1427	.25				D
MEUD	30	1530	1546U	1540	N17	E90	1.000	8421	6.4	16D	SN			1540	.31				
HUAN	30	1831	1845	1834	N24	E29	.550	8414	1.9	14	SF	2	C	1834	.72	.76			E
SACP	30	1832E	1837D	1835U	N24	E29	.550	8414	1.9	5D	SF		P		.70	.73			
MCMA	30	1832	1840D	1836	N24	E29	.550	8414	1.9	8D	SN		C	1836	.52	.60			EV
MCMA	30	2129	2150	2136	N21	W49	.764	8405	27.2	21	SN		C	2136	.41	.60			E
LOCK	30	2235	2300D	2255	N22	E37	.634	8414	2.7	25D	SN		C	2255	.50	.70		10	
HALF	31	0000	0008	0001	N27	E49	.779	8415	3.7	8	SN	1	C	0001	.93	1.50			
SACP	31	0000E	0009	0001	N27	E49	.779	8415	3.7	9D	1N		P		2.63	3.37			
MANI	31	0240E	0246D		N20	W54	.812	8405	27.1	6D	SF	1		0240	.31	.52			
MANI	31	0312	0321	0314	N21	E35	.605	8414	2.8	9	SF	2		0314	.26	.33			
ONDR	31	0648E	0700		N21	E32	.568	8414	2.7	12D	1F		V	0654			1.00		
MEUD	31	0817	0830	0820	N17	E74	.957	8421	5.9	13	SN			0820	.26				
CAPS	31	0819E	0825		N18	E65	.903	8421	5.2	6D	1N	2		0822	1.00			170	CG
MEUD	31	1629E	1633		N21	E28	.517	8415	2.8	4D	SF			1630	.26	.30			C
LOCK	31	1700	1715	1705	N22	E26	.499	8414	2.7	15	SF		C	1705	.30	.30		10	
MCMA	31	1704	1715	1705	N22	E36	.621	8414	3.4	11	SN		C	1705	.36	.40			DH
MCMA	31	1845	1855	1846	N17	E70	.935	8422	6.0	10	SB		C	1846	.26	.70			D
MCMA	31	2102	2108	2103	N17	E70	.935	8422	6.1	6	SB		C	2103	.26	.70			D
LOCK	31	2104	2110	2107	N35	E45	.774	8415	4.3	6	SF		C	2107	.40	.60		10	
LOCK	31	2128	2140	2133	N21	E72	.947	8422	6.3	12	SF		C	2133	.40	1.00		10	
LOCK	31	2305	2317	2310	N24	W65	.905	8405	27.1	12	SF		C	2310	.60	1.30		10	

INTERVALS OF NO FLARE PATROL OBSERVATIONS
PROVISIONAL

JULY 1966



Observatories included:

Arcetri, Huancayo, Lockheed, Sacramento Peak, Tortosa, Wendelstein
Herstmonceux, Istanboul, Manila

SOLAR FLARES

APRIL 1966

OBSERVATORY	OBSERVED UT DATE	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	1966 APR																		
CULG	01	0146	0208	0151	N29	E21		8223		22	SN		C	0151	.62	.78			
HALE	01	0147	0158	0152	N29	E24		8223		11	SF	1	C	0152	.26	.30			L
CULG	01	0207	0236	0216	N30	E31		8223		29	1N		C	0216	2.58	3.37			
HALE	01	0210	0217	0212	N27	E29		8223		7	SN	1	C	0212	.41	.60			L
HALE	01	0233	0303	0234	N24	E27		8223		30	SN	1	C	0234	.36	.50			F
CULG	01	0420	0434	0422	S24	W59		8242		14	SN		C	0422	.31	.60			
ONDR	01	0707	0740		N28	E30		8223		33	1N		V	0711			3.10		C
CAPS	01	0711	0729		N25	E31		8223		18	SN	3		0716	1.30	1.70		182	GEL
MANI	01	0711	0737	0717	N26	E32		8223		26	1N	2		0717	2.40	3.12			
CATA	01	0712E	0725D	0713	N28	E33		8223		13D	SN		C	0713	1.35	2.00		180	
ZURI	01	0717E	0723	0719	N28	E28		8223		6D	SF		S	0719	1.47	2.10			
IKOM	01	0723	0735		N25	E24		8223		12	SF		V	0723	.52	.70		70	E
WEND	01	0959E	1005D		N23	E21		8223		6D	SN								
SALO	01	1010E		1010	N17	W70		8227			S				.41				
SALO	01	1015E		1015	N24	E25		8223			S				.31				
SALO	01	1025E		1025	N28	E32		8223			S				.52				
WEND	01	1103E	1150D		N25	E27		8223		47D	1N		V		3.09				
WEND	01	1242E	1255D		N26	E27		8223		13D	SN								
WEND	01	1332E	1348D		N27	E24		8223		16D	SN								
WEND	01	1412	1451		N25	E21		8223		39	1N		V		4.13				
SACP	01	1430	1444	1432	N25	E25		8223		14	SN		C		.51	.56			
ZURI	01	1432	1436	1433	N26	E27		8223		4	1N		S	1433	2.53	3.50			
WEND	01	1553	1622D		N25	E19		8223		29D	1N		V		4.13				
WEND	01	1629E	1653D		N25	E22		8223		24D	1N		V		3.09				
LOCK	01	1630	1710	1639	N29	E21		8223		40	SN		C	1639	.90	1.20		10	
HALE	01	1632E	1732	1642	N29	E23		8223		60D	SN	2	P	1642	1.03	1.40			F
SACP	01	1634	1705	1639	N27	E22		8223		31	SB		C		1.70	1.89			
KANZ	01	1640E	1707D		N25	E21		8223		27D	1F								
LOCK	01	1735	1840	1800	N29	E21		8223		65	1N		C	1800	2.00	2.60		20	
SACP	01	1737	1900	1750	N28	E24		8223		83	2B		C		7.85	8.88			
HALE	01	1743E	1934	1750	N29	E23		8223		111D	2B	2	P	1750	4.33	5.70			FI
HUAN	01	1836E	1840D		N26	E19		8223		4D	SF	1	P	1836	.67	.72			
LOCK	01	1920	1928	1922	N29	E21		8223		8	SN		C	1922	.60	.80		10	
CLMX	01	1921	1924	1922	N26	E21		8223		3	SB		C	1922	.60	.66			
SACP	01	1921	1932	1922	N29	E20		8223		11	SN		C		1.36	1.52			
HALE	01	1921	1939	1922	N29	E21		8223		18	SN	2	C	1922	.72	.90			F
SIBE	02	0057	0137	0105	N26	E20		8223		40	2F		C	0105	7.01	7.80		67	CEF
LOCK	02	0058	0115D	0107	N30	E20		8223		17D	1N		C	0107	1.80	2.30		20	
HALE	02	0058	0300	0102	N27	E18		8223		122	1B	2	C	0102	2.06	2.60			FI
SACP	02	0059	0117D	0103	N27	E17		8223		18D	2B		P		6.12	6.64			
CULG	02	0059	0124	0103	N29	E19		8223		25	1B		C	0103	3.61	4.37			
IKOM	02	0100E	0125		N27	E20		8223		25D	1B		V	0104	2.68	3.40	1.58	125	E
MITK	02	0100	0135	0102	N27	E16		8223		35	1F		C	0102	1.96	2.50			E
MANI	02	0100	0139	0110	N26	E20		8223		39	1B	2		0110	3.76	4.50			
MANI	02	0245	0254	0248	N27	E13		8223		9	SF	2		0248	.35	.40			
HALE	02	0246	0311	0247	N28	E13		8223		25	SN	2	C	0247	.46	.60			F
KANZ	02	0718E	0743D		N26	E17		8223		25D	1F								F
MANI	02	0718	0749	0724	N27	E14		8223		31	SN	2		0724	1.70	1.90			
BUCA	02	0722E	0737		N29	E17		8223		15D	SF		C	0727	.55	.71			
WEND	02	0723	0743		N25	E16		8223		20	1N		V		3.09				
KODA	02	0805	0820D		N24	E19		8223		15D	1F		S	0820	1.94	2.36	1.36		
KANZ	02	0805E	0840D		N25	E13		8223		35D	1F								
BUCA	02	0805E	0845D		N28	E14		8223		40D	1F		C	0810	3.32	4.25			
MANI	02	0814E	0838	0817	N27	E13		8223		24D	SN	2		0817	1.40	1.60			
ZURI	02	0815E	0835D		N26	E12		8223		20D	2N		S	0815	9.46	11.50			
MANI	02	0942	0952D		N27	E12		8223		10D	SN	1		0945	.50	.60			
ARCE	02	0945E	1000D		N28	E19		8223		15D	SN		P	0945	1.09	1.40			H
MANI	02	0952			N27	E12		8223			SN	1		0952	1.34	1.60			
KAND	02	1119	1225		N26	E18		8223		66	SN		P						
KAND	02	1122	1300		N27	E17		8223		98	SN		P	1213		1.97			
KAND	02	1124	1225		N29	E22		8223		61	SN		P						
WEND	02	1134E	1140D		N27	E14		8223		6D	2B		V		6.19				
OTTA	02	1135	1317	1139	N27	E12		8223		102	1B	2	C	1139	3.41	4.21			E
CAPS	02	1136	1219	1139	N26	E12		8223		43	2B	3		1140	4.20	5.00		277	GFIK
CAPF	02	1138E	1222E	1138	N27	E10		8223		44D	2N		C	1141	5.16	5.40			
KAND	02	1140E	1225		N28	E18		8223		45D	SN		P						
HUAN	02	1141E	1216D		N28	E18		8223		35D	1N	2	P	1142	2.63	2.82			
ONDR	02	1146E	1227		N28	E13		8223		41D	1N		V	1152			2.30		
KAND	02	1158E	1221D		N26	E08		8223		23D	1N		P	1213		2.18			
OTTA	02	1441	1453	1445	N26	E08		8223		12	SN	1	C	1445	.58	.68			E
SALO	02	1450E		1450	N28	E17		8223			S				.46				
SACP	02	1455U	1515	1501U	N28	E14		8223		20U	SN		P		.85	.92			
HUAN	02	1458	1518	1502	N28	E15		8223		20	SN	2	C	1502	.46	.50			E
OTTA	02	1459	1516	1501	N29	E12		8223		17	SB	2	C	1501	.58	.72			E
LOCA	02	1500	1520	1510	N27	E12		8223		20	1N		V	1510	2.10	2.60			
ONDR	02	1502E	1508D		N27	E13		8223		6D	1F		V	1502			2.30		
KANZ	02	1503	1508D		N27	E15		8223		5D	SN								F
MCMA	02	1503E	1519		N29	E13		8223		16D	SN		C	1503	.31	.40			E
SALO	02	1510E		1510	N27	E18		8223			S				.62				
OTTA	02	1533	1550	1539	N28	E19		8223		17	SB	2	C	1539	.20	.25			D
LOCK	02	1645	1652	1647	N27	E08		8223		7	SF		C	1647	.30	.40		10	
HUAN	02	1645	1655	1647	N28	E10		8223		10	SF	2	C	1647	.26	.28			E
OTTA	02	1646	1650D	1647	N28	E08		8223		4D	SN	1	C	1647	.35	.42			
MCMA	02	1646	1710	1648	N28	E10		8223		24	SF		C	1648	.21	.30			EK
OTTA	02	1659	1703D	1701	N28	E11		8223		4D	SN	2	C	1701	.31	.38			
LOCK	02	1659	1712	1702	N29	E13		8223		13	SN		C	1702	.30	.40		10	
HALE	02	1659	1720	1702	N28	E12		8223		21	SN	3	C	1702	.26	.30			FT
LOCK	02	1738	1808	1753	N29	E13		8223		30	SN		C	1753	.60	.80		10	
HALE	02	1738	1812	1752	N28	E12		8223		34	SN	3	C	1752	.77	1.00			FT
SACP	02	1740	1805	1746	N28	E12		8223		25	SN		C		.94	1.01			
MCMA	02	1742	1800D	1748	N28	E12		8223		18D	SN		C	1748	.31	.40			E
HUAN	02	1749E	1816		N28	E13		8223		27D	SN	2	P	1751	.62	.67			E

SOLAR FLARES

APRIL 1966

OBSERV-ATORY	OBSERVED UT				LOCATION				DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME	MEAS. AREA	CORR. AREA	MAX. WIDTH	MAX. INT.	
	1966										COND.	TYPE	UT	Sq. Deg.	Sq. Deg.	Hα	%	
	APR																	
HALE	02	1756	1842	1816	N27	E07		8223		46	SF	3 C	1816	.62	.70			T
MCMA	02	1758	1933	1801	N27	E09		8223		95	SN	C	1801	.31	.40			D
MCMA	02			1906									1906	.41	.50			
HUAN	02	1901	1915D	1905	N27	E07		8223		14D	SF	2 C	1905	.26	.27			E
HUAN	02	2041	2047	2043	N29	E12		8223		6	SF	1 C	2043	.21	.22			E
MCMA	02	2044E	2054D		N28	E08		8223		10D	SN	C	2046	.31	.40			E
LOCK	02	2112	2140	2115	N27	E11		8223		28	SN	C	2115	.70	.80		20	
HALE	02	2113	2150	2115	N28	E09		8223		37	SB	2 C	2115	.93	1.10			FKT
HALE	02			2138									2138	.62	.80			
HUAN	02	2114E	2116D		N28	E10		8223		2D	SN	1 P	2115	.57	.60			CE
SACP	02	2114	2150	2122	N28	E10		8223		36	SN	C		1.79	1.93			
CULG	02	2213E	2235	2217	N30	E08		8223		22D	1N	P	2217	3.61	4.20			
HUAN	02	2213	2245D	2216	N29	E11		8223		32D	SB	1 C	2216	1.19	1.28			
LOCK	02	2213	2250	2216	N29	E11		8223		37	SB	C	2216	1.10	1.40		30	
CULG	02	2214	2229	2221	N24	E01		8223		15	SN	C	2221	.52	.57			L
SACP	02	2214	2235U	2215	N29	E10		8223		21U	1N	C		2.30	2.49			
HALE	02	2214	2238	2216	N27	E08		8223		24	1B	1 C	2216	2.48	3.00			FT
MANI	02	2218E	2245	2220	N27	E07		8223		27D	1N	1	2220	2.42	4.80			
HALE	02	2241	2252	2245	N27	E09		8223		11	SF	1 C	2245	.26	.30			FT
LOCK	02	2334	0015	2339	N25	E02		8223		41	SF	C						H
LOCK	02			2354									2354	.30	.40		10	
HALE	02	2335	2343	2338	N23	E01		8223		8	SN	2 C	2338	.21	.21			HT
HALE	02	2345	0016	2355	N23	E01		8223		31	SN	2 C	2355	.46	.50			HT
SACP	03	0000E	0113D	0011	N25	E06		8223		73D	SF	P		1.02	1.07			
HALE	03	0107	0130	0113	N23	W02		8223		23	SF	1 C	0113	.15	.20			J
HALE	03	0109	0129	0113	N30	E08		8223		20	SN	1 C	0113	.31	.40			T
HALE	03	0402	0405	0403	N29	E09		8223		3	SN	1 C	0403	.46	.60			
MANI	03	0441E	0503	0447	N25	E05		8223		22D	SB	2	0447	1.30	1.43			
MITK	03	0442	0450	0443	N28	E07		8223		8	SN	C	0443	.83	1.00			E
WEND	03	0736E	0749D		N30	E04		8223		13D	1F	V		3.09				
KANZ	03	1014	1025		N29	E04		8223		11	SN							
OTTA	03	1301	1325	1306	N28	W03		8223		24	1B	2 C	1306	2.67	3.18			E
SACP	03	1302E	1332	1308	N27	E00		8223		30D	1N	P		2.11	2.23			
OTTA	03	1345	1354	1348	N29	E01		8223		9	SB	1 C	1348	.11	.14			D
OTTA	03	1619	1621	1620	N24	W09		8223		2	SB	2 C	1620	.29	.34			D
OTTA	03	1620	1622	1620	N29	E01		8223		2	SB	2 C	1620	.18	.21			D
LOCK	03	1652	1700	1654	N28	W01		8223		8	SN	C	1654	.40	.50		10	
SACP	03	1659	1729	1708	N27	W10		8223		30	SN	C		.42	.45			
HALE	03	1702	1726	1706	N28	W10		8223		24	SN	2 C	1706	.31	.40			
LOCK	03	1704	1717	1708	N29	W09		8223		13	SF	C	1708	.30	.40		10	
OTTA	03	1706	1710D		N28	W10		8223		4D	SN	1 P	1706	.24	.29			
HALE	03	1837	1842	1838	N30	W03		8223		5	SF	2 C	1838	.21	.30			
HALE	03	1851	1911	1856	N28	W02		8223		20	SF	2 C	1856	.46	.60			F
LOCK	03	1853	1902	1855	N28	W01		8223		9	SN	C	1855	.30	.40		10	
HALE	03	2126	2152	2129	N23	W16		8223		26	SN	1 C	2129	.15	.20			JL
CULG	03	2155	2202D	2157	N30	W02		8223		7D	SN	P	2157	1.24	1.44			
HALE	03	2223	2310	2229	N29	W03		8223		47	SB	1 C	2229	1.24	1.50			F
VORO	03	2224	2248	2228	N28	W06		8223		24	SB	C	2228	1.02	1.22		71	EH
MANI	03	2224	2251D	2230	N26	W04		8223		27D	1N	2	2230	2.90	3.10			
CULG	03	2328	2345	2335	N22	E37		8240		17	SN	C	2335	.62	.84			L
HALE	03	2329	2340	2333	N22	E36		8240		11	SF	1 C	2333	.41	.60			F
MANI	04	0112	0120	0114	N27	W06		8223		8	SF	2	0114	.41	.42			
HALE	04	0118	0127	0122	N23	W17		8223		9	SN	1 C	0122	.15	.20			
HALE	04	0141	0227	0158	N28	W07		8223		46	1B	1 C	0158	1.96	2.40			F
CULG	04	0143	0230	0157	N28	W08		8223		47	1N	C	0157	2.06	2.40			JL
MANI	04	0144	0229	0156	N27	W07		8223		45	1B	2	0156	3.00	3.15			
MANI	04	0235	0258	0237	N26	W07		8223		23	SN	2	0237	.80	.85			
MANI	04			0245									0245	1.28	1.37			
HALE	04	0238E	0303	0242	N26	W08		8223		25D	SN	1 C	0242	.57	.70			F
HALE	04	0407	0432D	0411	N28	W08		8223		25D	SN	1 P	0411	1.03	1.30			
MANI	04	0408	0458	0413	N27	W08		8223		50	1N	2	0413	1.10	1.16			
MANI	04			0421									0421	1.10	1.16			
MANI	04	0408	0458	0438	N27	W08		8223		50		2	0438	3.40	3.64			
KODA	04	0424	0441	0432	N25	W07		8223		17	1N	C	0432	1.94	2.28	2.00		E
ABST	04	0641	0653	0646	N27	W08		8223		12	1F	C	0646	3.14	3.80		62	FIJK
CULG	04	0641	0708D	0646	N29	W08		8223		27D	1B	P	0646	3.92	4.56			JL
MANI	04	0642	0703	0649	N27	W09		8223		21	SN	2	0649	1.20	1.34			
KODA	04	0648E	0649D		N28	W05		8223		1D	1N	P	0648	2.73	3.28			
KANZ	04	0733E	0737D		N27	W08		8223		4D	1N							F
MANI	04	0733	0812	0745	N27	W08		8223		39	2N	2	0745	4.22	5.37			
LOCA	04	0740E	0820	0745	N26	W10		8223		40D	1N	V	0745	4.41	5.30			
KANZ	04	0812E	0815D		N27	W08		8223		3D	SF							E
KANZ	04	0942E	0950D		N27	W10		8223		8D	SF							D
KANZ	04	1034E	1037D		N28	W17		8223		3D	SF							
KANZ	04	1040E	1047		N24	W18		8223		7D	SF							E
HUAN	04	1216E	1230D		N28	W09		8223		14D	SN	1 P	1229	.46	.50			E
OTTA	04	1216	1254	1236	N27	W12		8223		38	SB	2 C	1236	.80	.99			F
CAPS	04	1248E	1258		N26	W13		8223		10D	SN	1	1251	.80	1.00			G
HUAN	04	1248E	1328D		N28	W11		8223		40D	SN	1 P	1308	.77	.83			
CAPS	04	1301	1321		N26	W12		8223		20	SF	2	1303	1.20	1.40		153	GE
SACP	04	1301E	1328	1310	N26	W11		8223		27D	SF	P		1.75	1.86			
MCMA	04	1325E	1335D		N24	W22		8223		10D	SF	C	1330	.62	.80			B
OTTA	04	1338	1400	1343	N27	W12		8223		22	SN	2 C	1343	1.39	1.70			F
SACP	04	1339	1420U	1344	N25	W15		8223		41U	1N	P		2.05	2.18			
CAPS	04	1341E	1348		N25	W09		8223		7D	SN	2	1344	.70	.80		188	GD
HUAN	04	1342E	1409		N28	W11		8223		27D	SF	1 P	1356	.52	.55			E
CAPS	04	1352	1359		N25	W09		8223		7	SN	2	1353	.50	.60		182	GD
MCMA	04	1504E	1517D	1510	N24	W22		8223		13D	SF	C	1510	.52	.60			EH
HUAN	04	1507	1514	1509	N24	W20		8223		7	SF	2 C	1509	.26	.28			D
SACP	04	1516E	1622	1557	N24	W21		8223		66D	1N	P		2.58	2.79			
MCMA	04	1550	1605D	1555	N24	W22		8223		15D	SB	C	1555	.72	.90			EH
HUAN	04	1551	1602	1555	N24	W21		8223		11	SF	2 C	1555	.62	.67			E
CAPS	04	1555E	1602		N23	W18		8223		7D	SN	2	1558	.90	1.10		161	GE

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 APR																		
HALE	04	1828	1909	1835	N31	W22		8223		41	SN	2	C	1835	.62	.80			F
HALE	04	1834	1854	1835	N28	W24		8223		20	SN	2	C	1835	.15	.20			
HUAN	04	1836E	1850D		N30	W17		8223		14D	SF	1	P	1836	.31	.35			CE
LOCK	04	2035	2052	2040	N31	W14		8223		17	SF		C	2040	.30	.40		10	
LOCK	04	2107	2150	2120	N28	W20		8223		43	1N		C	2120	2.00	2.60		10	
SACP	04	2107	2244	2121	N26	W20		8223		97	2N		C		8.75	9.56			
CULG	04	2111E	2202D	2138	N26	W20		8223		51D	2B		P	2138	9.80	12.35			JL
HALE	04	2111	2203	2123	N27	W23		8223		52	2B	2	C	2123	5.16	6.60			FJ
MANI	04	2201E	2229D		N25	W23		8223		28D	1F	1		2210	3.00	3.81			
HALE	04	2311	2326	2314	N26	W20		8223		15	SF	1	C	2314	.46	.60			F
LOCK	05	0018	0030	0022	N29	W16		8223		12	SF		C	0022	.20	.30		10	
HALE	05	0019	0033	0021	N27	W19		8223		14	SF	1	C	0021	.46	.60			J
IKOM	05	0105E	0131D	0113	N27	W17		8223		26D	SN		V	0113	1.03	1.30	1.42	100	E
VORO	05	0110	0128	0112	N28	W21		8223		18	SN		C	0112	.46	.58		61	EHJK
MITK	05	0110	0132	0113	N27	W20		8223		22	SF		C	0113	.62	.80			E
SACP	05	0112E	0118D	0113	N28	W19		8223		6D	1F		P		2.19	2.41			
HALE	05	0112	0144	0113	N28	W19		8223		32	SB	1	C	0113	.93	1.20			FJ
MANI	05	0114	0138	0119	N28	W19		8223		24	SF	2		0119	1.10	1.38			
IKOM	05	0200E	0228D	0215	N27	W17		8223		28D	SN		V	0215	.62	.80		85	D
HALE	05	0207	0212	0209	N29	W27		8223		5	SN	2	C	0209	.62	.80			
MITK	05	0207	0233	0210	N27	W21		8223		26	SN		C	0210	.93	1.20			E
HALE	05	0207	0258	0210	N28	W19		8223		51	SB	2	C	0210	1.24	1.60			F
MANI	05	0209	0236	0215	N28	W18		8223		27	1B	2		0215	2.90	3.70			
KODA	05	0211	0223	0214	N26	W20		8223		12	1N		S	0214	2.26	2.93	1.68	100	E
HALE	05	0300	0328	0303	N28	W25		8223		28	SN	1	C	0303	.72	1.00			F
HALE	05	0345	0353	0346	N28	W28		8223		8	SN	1	C	0346	.21	.30			
	05	0600	0605	NO FLARE PATROL															
	05	0640	0645	NO FLARE PATROL															
KANZ	05	0708E	0715		N19	E17		8240		7D	SF								E
CAPS	05	0710E	0728D		N16	E17		8240		18D	SN	2		0712	1.10	1.20			E
MANI	05	0754	0802	0756	N19	E17		8240		8	SF	2		0756	.40	.40			
KANZ	05	0854	0906		N27	W23		8223		12	SF								D
CAPS	05	0857	0905D		N24	W25		8223		8D	SF	2		0859	.60	.70		157	G
MANI	05	0857	0909	0859	N26	W22		8223		12	SN	2		0859	.26	.30			
HUAN	05	1339	1347		N18	E15		8240		8	SF	2	P	1343	.21	.21			D
CAPS	05	1342	1346		N17	E14		8240		4	SF	1			.30	.30			
HALE	05	1939	1952	1946	N24	W39		8223		13	SN	3	C	1946	.72	1.10			H
HALE	05	2145	2256D	2159	N23	E12		8240		71D	SN	2	P	2159	.36	.40			JTFH
HALE	05	2318	2334	2327	N24	W26		8223		16	SF	2	C	2327	.10	.12			
KODA	06	0539E			N26	W44		8223			SN		P	0539	.65	1.08	2.08		D
KANZ	06	0743E	0754		N26	W43		8223		11D	SF								EH
KANZ	06	0809	0816		N30	W44		8223		7	SN								DH
KANZ	06	0837E	0859		N27	W36		8223		22D	SF								DH
ARCE	06	1007E	1010		N25	W46		8223		3D	SN		P	1008	.61	1.00			Z
SALO	06	1020E		1020	N26	W45		8223			S				.26				
SACP	06	1307	1317	1311	N27	W60		8238		10	SF		C		.26	.44			
KANZ	06	1309E	1314		N27	W43		8223		5D	SF								D
SACP	06	1313U	1340U	1320	N25	W40		8223		27U	SN		C		.95	1.18			
KANZ	06	1321E	1333		N27	W43		8223		12D	SN								D
KANZ	06	1321E	1333		N27	W38		8223		12D	SN								E
KANZ	06	1342E	1354		N27	W38		8223		12D	SF								D
HUAN	06	1558	1632	1606	N27	W41		8223		34	SN	2	C	1605	1.19	1.50			E
SACP	06	1559	1635U	1605	N26	W41		8223		36U	1N		C		2.99	3.82			
MCMA	06	1600	1624	1607	N27	W43		8223		24	SN		C	1607	1.03	1.80			F
LOCK	06	1610E	1625	1610E	N27	W42		8223		15D	1N		C	1610	1.50	2.40		10	
KANZ	06	1610E	1625		N27	W42		8223		15D	1F								EH
HUAN	06	1614	1633	1620	N30	E80		8254		19	SF	2	C	1620	.36				E
LOCK	06	1613	1636	1619	N31	E70		8254		23	SN		C	1619	.40	1.20		10	
MCMA	06	1615	1626		N32	E76		8254		11	SB		C	1622	.31	1.00			D
SACP	06	1615	1631	1619	N30	E71		8254		16	1N		C		1.11	2.60			
HALE	06	1627E	1701	1630	N27	W44		8223		34D	SN	1	P	1635	1.13	1.90			F
HUAN	06	1655	1714	1659	N28	W59		8223		19	SF	2	C	1659	.36				E
HALE	06	1656	1718	1659	N28	W60		8238		22	SB	2	C	1659	.36				FJ
SACP	06	1657	1722	1712	N26	W57		8238		25	SF		C		.68	1.10			
SACP	06	1709	1723	1713	N29	W21		8248		14	SF				.8	.9			
LOCK	06	1811	1819	1815	N28	W42		8223		8	SF		C	1815	.20	.30		10	
HALE	06	1812	1819	1813	N29	W44		8223		7	SN	2	C	1813	.26	.40			T
LOCK	06	1844	1851	1846	N25	W49		8223		7	SF		C	1846	.30	.50		10	
HALE	06	1844	1855	1845	N26	W52		8223		11	SB	1	C	1845	.28	.50			F
SACP	06	1845	1854	1847	N22	W49		8223		9	SF		C		.51	.69			
LOCK	06	1850	1859	1852	N28	W43		8223		9	SF		C	1852	.30	.50		10	
HALE	06	1851	1856	1852	N28	W45		8223		5	SN	1	C	1852	.36	.60			TF
HALE	06	1909	1950U	1914	N27	W62		8223		41U	SF	2	C	1914	.10				
HALE	06	2058	2105	2100	N22	W03		8240		7	SN	1	C	2100	.10	.11			H
SACP	06	2058	2105	2101	N22	W02		8240		7	SF		C		.18	.18			
LOCK	06	2058	2108	2101	N22	W02		8240		10	SF		C	2101	.20	.20		10	L
SACP	06	2110	2158U	2128	N29	W48		8223		48U	1N		C		1.46	2.07			
LOCK	06	2111	2145	2113	N32	W46		8223		34	SN		C	2113	.50	.90		10	
HALE	06	2113	2200D	2115	N31	W50		8223		47D	SN	1	P	2115	.46	.90			F
LOCK	06	2126	2139	2128	N28	W49		8223		13	SN		C	2128	.40	.70		10	
CLMX	06	2129	2154		N38	W60		8223		25	SN		C	2149	.70	1.26			
HALE	06	2128	2153	2133	N30	W68		8238		25	SN	1	P	2133	.15				TJ
HALE	06	2132	2155U	2138	N28	W63		8238		23U	SN	1	P	2138	.21				J
LOCK	06	2135	2156	2141	N28	W64		8238		21	SN		C	2141	.40	1.00		10	
SACP	06	2138	2205	2149	N26	W60		8238		27	1F		C		1.27	2.20			
LOCK	06	2208	2213	2210	N28	W64		8238		5	SF		C	2210	.20	.50		10	
LOCK	06	2208	2221	2213	N22	W00		8240		13	SF		C	2213	.20	.20		10	
LOCK	06	2230	2237	2233	N28	W64		8238		7	SN		C	2233	.30	.70		10	
HALE	06	2232	2240	2233	N30	W68		8238		8	SN	1	P	2233	.31				T
LOCK	06	2235	2250	2240	N22	W00		8240		15	SF		C	2240	.40	.40		10	
HALE	06	2244	2300	2247	N22	W04		8240		16	SF	1	P	2247	.31	.31			
LOCK	06	2310	2321	2315	N28	W64		8238		11	SF		C	2315	.20	.50		10	
HALE	06	2310	2325U	2316	N30	W68		8238		15U	SN	1	P	2316	.15				T

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 APR																		
VORO	06	2320E	2328		N27	W50		8223		8D	1F		P	2321	1.21	2.08		53	EJ
MANI	06	2320	2336	2324	N25	W47		8223		16	1B	2		2324	1.40	2.10			
LOCK	06	2320	2347	2324	N29	W46		8223		27	1N		C	2324	1.00	2.80		10	
SACP	06	2320	2350U	2324	N28	W45		8223		30U	1N		C		2.84	3.85			
HALE	06	2321E	2400	2322	N29	W50		8223		39D	1B	1	P	2322	1.44	2.70			F
LOCK	06	2336	2345	2340	N29	W46		8223		9	SF			2340	.20	.50		10	
SACP	07	0013	0028	0017	N29	W52		8223		15	1N		C		2.16	3.26			
VORO	07	0014	0017	0014	N28	W56		8223		3	SB		C	0014	.93	1.88		62	EHJ
LOCK	07	0014	0023	0016	N31	W55		8223		9	SF		C	0016	.40	.80		10	
MANI	07	0015	0024	0017	N29	W60		8223		9	SN	2		0017	.31	.60			
LOCK	07	0024	0030	0026	N22	W03		8240		6	SF		C	0026	.30	.30		10	
MANI	07	0025	0029	0027	N20	E01		8240		4	SN	2		0027	.26	.30			
HALE	07	0203	0224	0205	N22	W06		8240		21	SF	1	P	0205	.21	.21			J
HALE	07	0324	0338	0326	N24	W06		8240		14	SN	1	P	0326	.21	.21			
HALE	07	0347	0402	0348	N21	W07		8240		15	SF	1	P	0348	.10	.11			
HALE	07	0400	0407	0402	N24	W08		8240		7	SN	1	P	0402	.26	.30			
HALE	07	0354	0427D	0359	N23	W48		8223		33D	SF	1	P	0359	.21	.40			
MANI	07	0418	0423D	0421	N20	W05		8240		5D	SF	2		0421	.60	.70			
HALE	07	0418	0427D	0419	N22	W08		8240		9D	SN	1	P	0419	.26	.30			
CULG	07	0509E	0530	0521	N31	W23		8248		21D	SN		P	0521	.52	.70			HL
MANI	07	0511E	0518D		N30	W22		8248		7D	SN	2		0512	.50	.70			
CULG	07	0519	0528	0521	N30	W78		8238		9	SB		C	0521	.31				
CULG	07	0619E	0645D		N21	W07		8240		26D	SN		P	0619	.72	1.05			
CULG	07	0623	0635	0632	N29	W69		8238		12	SB		C	0632	.31				K
KANZ	07	0741	0758		N22	W02		8240		17	SF								
KANZ	07	0758E	0805D		N28	W66		8223		7D	SF								
KANZ	07	0810	0820		N20	W05		8240		10	SN								
SALO	07	1005E		1005	N21	W08		8240			S				.21				
SALO	07	1015E		1015	N20	W07		8240			S				.21				
KANZ	07	1017E	1028		N29	W51		8223		11D	SF								E
SALT	07	1217	1219D		N33	W32		8248		2D	SN	2		1218	.40	.50		160	D
HUAN	07	1222E	1226		N30	W28		8248		4D	SF	1	P	1223	.26	.30			D
HUAN	07	1238	1334D	1243	N28	W51		8223		56D	SN	1	P	1243	.46	.70			EH
SALT	07	1241E			N27	W55		8223			1N	1			1.00	2.40			E
CAPS	07	1243E	1310		N26	W49		8223		27D	1F	3		1245	1.70	2.90		152	GEI
SACP	07	1301	1356	1311	N25	W47		8223		55	SF		C		.70	.96			
SACP	07	1450	1506	1455	N30	W30		8248		16	1N		C		2.57	3.06			
HUAN	07	1452	1505D	1453	N30	W30		8248		13D	SN	2	C	1453	.57	.67			E
KANZ	07	1538E	1543		N19	W10		8240		5D	SF								E
KANZ	07	1549E	1555D		N29	W70		8223		6D	SF								D
SACP	07	1613	1634	1626	N29	W73		8238		21	1N		C		1.79	4.51			
HUAN	07	1616	1633D		N29	W76		8238		17D	SN	1	P	1627	.46				E
ONDR	07	1616E	1654D		N29	W72		8238		38D	1N		V	1621			1.60		
MCMA	07	1619E	1620D		N29	W85		8238		1D	SF		P	1620	.31				D
LOCK	07	1622	1655	1640	N27	W71		8238		33	SF		C	1640	.30	.90		10	
HALE	07	1635	1656	1638	N29	W80		8238		21	SF	1	C	1638	.21				
HUAN	07	1625E	1633D		N30	W32		8248		8D	SF	1	P	1627	.21	.24			CD
HALE	07	1705	1716	1710	N22	W13		8240		11	SB	1	C	1710	.46	.50			
HALE	07	1706	1724	1708	N22	W11		8240		18	SB	1	C	1708	.15	.20			D
LOCK	07	1721	1731	1724	N28	W60		8223		10	SF		C	1724	.20	.40		10	
HALE	07	1721	1736	1724	N29	W60		8223		15	SB	1	C	1724	.15				
HALE	07	1722	1727	1724	N28	W62		8223		5	SB	1	C	1724	.15				
HALE	07	1804	1808	1806	N30	W34		8248		4	SN	1	C	1806	.15	.20			
HALE	07	1900	1915	1903	N30	W32		8248		15	SN	1	C	1903	.21	.30			
HALE	07	1903	1908	1905	N30	W80		8238		5	SB	1	C	1905	.15				
LOCK	07	1904	1909	1905	N27	W71		8238		5	SN		C	1907	.20	.60		10	
CULG	07	2351	2400D		N27	W60		8223		9D			P	2400	.41	.90			
LOCK	08	0009	0020D	0014	N27	W57		8223		11D	SF		C	0014	.50	1.10		10	
MANI	08	0013	0023	0015	N27	W58		8223		10	SF	2		0015	.36	.50			
CULG	08	0015E	0056	0017	N29	W59		8223		41D	SN		P	0017	.52	1.13			
CULG	08	0124	0243	0146	N20	W19		8240		79	1N		C	0146	2.06	2.30			
HALE	08	0139	0143	0140	N30	W85		8238		4	SB	1	C	0140	.15				
HALE	08	0235	0242	0238	N30	W85		8238		7	SF	1	C	0238	.10				
BUCA	08	0717E	0726		N23	W18		8240		9D	SN		C	0718	1.66	2.00			
BUCA	08	0735E	0750D		N28	W63		8223		15D	1N		C	0740	1.10	3.20			
BUCA	08	0804E	0815D		N27	E45		8254		11D	SF		C	0805	.88	1.52			
KANZ	08	0809E	0816D		N32	E35		8251		7D	SN								
KANZ	08	0905E	0928D		N29	W90		8238		23D	2N			0910			3.90		A
KAND	08	1101	1115		N22	W23		8240		14	SN		P						
SALO	08	1110E		1110	N21	W21		8240			S				.62				
SALO	08	1125E		1125	N32	W70		8223			1				2.06				
SALO	08	1125E		1125	N22	W23		8240			S				.72				
KAND	08	1128	1145		N18	W20		8240		17	SN		P						
KAND	08	1128	1145		N17	W24		8240		17	SN		P						
CLMX	08	1433E	1547D		N29	W90		8238		74D	1B		C	1445	.60	3.00			
SACP	08	1608	1715	1626	N21	W23		8240		67	1B		C		3.66	3.93			
HUAN	08	1619	1643	1624	N21	W22		8240		24	SB	2	C	1624	1.19	1.26			
MCMA	08	1622	1644	1624	N21	W24		8240		22	SN		C	1624	.72	.90			E
HALE	08	1628E	1724	1633	N20	W27		8240		56D	SN	1	P	1633	1.32	1.60			F
HUAN	08	1701	1713	1703	N21	W25		8240		12	SF	2	C	1703	.36	.39			E
HALE	08	1641	1702	1644	N27	W90		8238		21	SN	1	C	1644	.10				
HUAN	08	1729	1758		N29	W90		8223		29	SF	1	C	1754	.26				D
HALE	08	1733	1759	1740	N27	W90		8238		26	SN	1	C	1735	.31				
HALE	08			1752										1752	.21				
HALE	08	1748	1759	1750	N28	W90		8238		11	SN	1	C	1750	.10				
SACP	08	1743	1821	1751	N26	W72		8223		38	SN		C		.69	1.58			
HALE	08	1802	1830	1813	N21	W28		8240		28	1N	1	C	1813	2.58	3.30			F
LOCK	08	1803	1829	1813	N22	W26		8240		26	SN		C	1813	1.00	1.50		10	
SACP	08	1805	1843	1815	N21	W26		8240		38	1N		C		2.90	3.15			
HUAN	08	1806	1823	1813	N22	W26		8240		17	SN	2	C	1813	1.13	1.23			
HALE	08	1917	1934	1923	N21	W27		8240		17	SN	1	C	1923	1.24	1.60			F
LOCK	08	1920	1938	1925	N22	W27		8240		18	SN		C	1925	.90	1.40		10	
LOCK	08	1958	2010	2002	N22	W27		8240		12	SF		C	2002	.50	.80		10	

SOLAR FLARES

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OBSERVATORY	OBSERVED UT DATE	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	1966 APR																		
LOCK	08	2027	2037	2030	N22	W27		8240		10	SF		C	2030	.30	.50		10	
SACP	08	2143	2318D	2214	N20	W30		8240		95D	1N		C		2.05	2.28			
HALE	08	2148E	2221	2153	N21	W28		8240		33D	SN	1	P	2153	1.13	1.40			F
LOCK	08	2148	2225	2155	N22	W27		8240		37	SN		C	2155	.80	1.20		10	L
LOCK	08			2213															
LOCK	08	2236	2300	2241	N22	W28		8240		24	SN		C	2241	.90	1.40		10	
HALE	08	2242E	2300	2243	N21	W28		8240		18D	SN	1	P	2243	.83	1.10			F
MANI	08	2243	2304	2249	N20	W29		8240		21	SN	1		2249	.50	.60			
HALE	08	2248	2258	2253	N28	W90		8223		10	SF	1	C	2253	.15				
SACP	09	0020	0108D	0030	N21	W30		8240		48D	1N		C		2.13	2.38			
HALE	09	0021	0046D	0025	N21	W31		8240		25D	1N	1	P	0025	2.16	2.80			F
LOCK	09	0023	0047	0025	N22	W28		8240		24	1N		C	0025	1.50	2.30		20	
SIBE	09	0025E	0036	0029	N20	W32		8240		11D	2F		C	0029	8.54	10.00		41	CE
MANI	09	0029E	0053	0032	N20	W29		8240		24D	SN	2		0032	1.24	1.60			
CULG	09	0225	0233		N27	W85		8223		8					.21				
MANI	09	0226	0239	0229	N28	W80		8223		13	SN	2		0229	.28	.80			
CULG	09	0242	0252	0245	N21	W24		8240		10	SN		C	0245	.21	.25			H
CAPS	09	0617	0631		N19	W30		8240		14	SN	3		0619	.90	1.20		163	G
MANI	09	0727	0745	0730	N20	W37		8240		18	SF	2		0730	1.40	1.96			
WEND	09	0831E	0930		N21	W33		8240		59D	2N		V		6.19				
KAND	09	0835E	0907		N18	W36		8240		32D	1N		C	0848		2.71			
WEND	09	1007E	1029		N26	W90		8223		22D	2B		V		7.22				
CAPS	09	1015E	1020		N28	W90		8223		5D	1F	3		1017	1.10			147	GB
CAPS	09	1044E	1047		N20	W30		8240		3D	SF	3		1044	.80	1.00		149	GB
SACP	09	1655	1709	1702	N20	W39		8240		14	SN		C		1.20	1.43			
HUAN	09	1657	1704	1700	N21	W40		8240		7	SN	2	C	1700	.57	.68			
HALE	09	1657	1707	1658	N21	W40		8240		10	SN	2	C	1658	.46	.70			
MCMA	09	1659E			N21	W42		8240			SN		P	1659	.41	.60			D
HALE	09	1750	1755	1753	N21	W40		8240		5	SF	2	C	1753	.26	.40			
MCMA	09	1919E	1941D		N21	W45		8240		22D	SN		P	1920	.31	.50			D
HUAN	09	2013	2021	2015	N21	W41		8240		8	SF	1	C	2015	.26	.31			D
HALE	09	2014	2019	2016	N21	W41		8240		5	SF	2	C	2016	.26	.40			
LOCK	09	2145	2156	2149	N21	W41		8240		11	SF		C	2149	.30	.50		10	
IKOM	09	2335	2350		N21	W45		8240		15	SF		V	2337	.83	1.30			E
IKOM	10	0042E	0045D		N21	W45		8240		3D	SF		V	0045	.62	1.00			E
HALE	10	0220	0235	0224	N28	E45		8259		15	SF	2	C	0224	.26	.50			GH
CULG	10	0350	0406	0352	N21	W46		8240		16	SN		C	0352	.62	.96			K
	10	0655	0720	NO FLARE PATROL															
	10	0835	0840	NO FLARE PATROL															
KAND	10	0945E	1015		N18	W51		8240		30D	SN		P						
KAND	10	0946	1015		N18	W51		8240		29	SN		P						
KAND	10	0950	1020		N18	W51		8240		30	SN		P						
KIEV	10	1218	1230	1221	N23	W51		8240		12	1N		C	1221	4.13			70	DI
CAPS	10	1225E	1240	1227	N22	W46		8240		15D	SN	3		1228	1.20	1.80		188	G
SACP	10	1317	1328	1321	N25	W78		8223		11	SN		C		.26				
SACP	10	1345	1400	1351	N25	W79		8223		15	SN		C		.34				
MCMA	10	1547E	1558		N21	W54		8240		11D	SF		P	1547	.31	.60			E
HUAN	10	1808E	1814		N28	W90		8223		6D	SF	1	P	1810	.21				D
MANI	10	2311E	2335D		N19	W60		8240		24D	1N	1		2312	1.40	2.60			
MANI	10	2347E	0012	2350	N19	W59		8240		25D	1N	2		2350	1.55	2.80			
CULG	11	0117	0156	0122	N22	W55		8240		39	SB		C	0122	1.03	2.00			
MANI	11	0120E	0200	0125	N20	W56		8240		40D	1B	2		0125	2.39	4.32			
CULG	11	0342E	0351	0346	N22	W57		8240		9D	1N		P	0346	1.44	3.00			J
KODA	11	0344	0347	0345	N21	W56		8240		3	SF		V	0346	.97	1.94	1.96		
TACH	11	0345	0349	0346	N21	W57		8240		4	SN		C	0346	.64	1.20	2.40	69	D
CULG	11	0605	0716D	0612	N21	W60		8240		71D	1N		C	0612	1.44	3.15			JK
KANZ	11	0741E	0755D		N21	W60		8240		14D	SN			0742			2.20		
KANZ	11	0805E	0813D		N21	W60		8240		8D	SN								D
KANZ	11	0851	0904D		N22	W61		8240		13D	SN								E
KANZ	11	0948E	1055		N22	W62		8240		67D	1B			1001			4.00		E
WEND	11	1004E	1014D		N21	W57		8240		10D	1B		V		5.16				
LOCA	11	1005E	1025D	1005	N21	W60		8240		20D	1N		S	1005	1.68	4.00			
CATA	11	1005E	1035D	1005	N20	W62		8240		30D	1B		C	1005	2.05	4.00		251	
CAPS	11	1006E	1036		N18	W60		8240		30D	1B	3		1009	1.90	4.20		229	GFK
KHAR	11	1006E	1038D	1008	N24	W62		8240		32D	2N		S	1016	3.40	7.80	3.90		HOX
ARCE	11	1012E	1017D		N22	W64		8240		5D	SN		P	1012	.74	1.60			
CAPS	11	1105E	1111		N19	W59		8240		6D	SN	3		1107	.40	.80		166	GE
MCMA	11	1225	1243D	1234	N20	W64		8240		18D	1B		C	1234	.83	2.10			D
HUAN	11	1225	1313	1234	N22	W63		8240		48	1F	2	C	1234	.83				K
HUAN	11			1253										1253	.93				
CAPS	11	1230	1302		N18	W59		8240		32	1F	3		1135	1.80	4.00		147	GJK
KIEV	11	1230	1317	1235	N23	W63		8240		47	1B		C	1235	4.13			85	DI
LOCA	11	1245E	1315D	1250	N21	W60		8240		30D	1N		S	1250	1.89	4.50			
MCMA	11	1248	1302	1254	N19	W62		8240		14	SB		C	1254	.41	1.00			D
CAPF	11	1250E	1330E	1250	N22	W62		8240		40D	1N		P	1257	2.06	4.40			
SACP	11	1251E	1328	1256	N18	W58		8240		37D	1F		P		2.09	3.23			
SACP	11	1430	1520	1439	N21	W65		8240		50	1N		C		1.45	2.66			
HUAN	11	1434	1449	1439	N22	W66		8240		15	SN	2	C	1439	.62				E
MCMA	11	1435	1444	1439	N20	W65		8240		9	SN		C	1439	.41	1.30			D
SACP	11	1530	1622	1604	N20	W64		8240		52	1N		C		2.23	4.00			
HUAN	11	1556	1613	1605	N21	W63		8240		17	SN	2	C	1605	.46				E
MCMA	11	1607E	1608D		N20	W65		8240		1D	SN		P	1607	.52	1.50			E
HUAN	11	1633E	1715D		N21	W66		8240		42D	SF	1	P	1650	.21				D
SACP	11	1745	1801	1753	N20	W67		8240		16	SF		C		.43	.83			
LOCK	11	1802	1810	1805	N20	W65		8240		8	SF		C	1805	.20	.50		10	
HUAN	11	1945E	1957		N21	W66		8240		12D	SN	2	V	1953	.52				
HALE	11	2104E	2122	2107	N21	W69		8240		18D	SN	2	P	2107	.41				T
HALE	11	2337	2357U	2340	N21	W69		8240		20U	SB	1	C	2340	.46				T
IKOM	12	0010E	0030		N20	W70		8240		20D	SF		V	0010				70	D
HALE	12	0111E	0120D		N21	W69		8240		9D	SN	1	P	0112	.31				

SOLAR FLARES

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 APR																		
HALE	12	0124E	0127		N21	W69		8240		3D	SN	1	P	0125	.15				T
IKOM	12	0135	0235D		N20	W70		8240		60D	SN		V	0155				95	
KODA	12	0157	0202	0157	N22	W72		8240		5	SF		P	0157	.65		1.88		
HALE	12	0157	0206	0158	N23	W80		8240		9	SN	2	C	0158	.41				T
HALE	12	0226	0232D	0228	N21	W69		8240		6D	SF	1	P	0228	.21				T
HALE	12	0307	0313D	0312	N21	W69		8240		6D	SN	1	P	0312	.31				T
KODA	12	0315E			N22	W72		8240			1N		P	0315	.97				
HALE	12	0309	0334	0317U	N22	E90		8262		25	SN	1	P	0313	.15				
MANI	12	0351	0401	0354	N17	E85		8262		10	SB	2		0354	.27	1.00			
MITK	12	0411	0453	0415	N20	W73		8240		42	1F		C	0415	1.24				
MANI	12	0555	0610	0600	N17	E87		8262		15	SN	2		0600	.15	.53			
MANI	12	0652	0714	0656	N23	W74		8240		22	1N	2		0656	.88	2.10			
MANI	12	0726	0733	0728	N24	W72		8240		7	SB	2		0728	.46	1.10			
HUAN	12	1142E	1204		N22	W78		8240		22D	SF	1	P	1148	.26				D
SACP	12	1345	1405	1353	N21	W76		8240		20	SN		C		.77				
HUAN	12	1349	1404	1353	N22	W80		8240		15	SN	2	C	1353	.26				D
MCMA	12	1350	1403	1354	N20	W85		8240		13	SB		C	1354	.26				D
HUAN	12	1410	1414	1412	N23	E85		8262		4	SF	2	C	1412	.21				D
SACP	12	1410	1429	1412	N23	E80		8262		19	SN		C		.34				
ARCE	12	1440E	1450D		N23	W90		8240		10D	SN		C	1442	.20	1.10			
ARCE	12	1515E	1525D		N20	E90		8262		10D	SN		C	1520	.17	.90			
HUAN	12	1526	1535	1530	N22	W80		8240		9	SN	2	C	1530	.31				E
ARCE	12	1546E	1637D		N20	E90		8262		51D	SN		C	1549	.23	1.30			
HUAN	12	1621	1646	1631	N22	W83		8240		25	SN	2	C	1631	.52				
SACP	12	1621	1654	1630	N20	W77		8240		33	1N		C		2.77				
MCMA	12	1627	1641	1631	N20	W88		8240		14	SN		C	1631	.41				E
ZURI	12	1627E	1643		N22	W80		8240		16D	1N		S	1630	.85				
ARCE	12	1630E	1640D		N22	W85		8240		10D	1N		C	1630	.84	3.40			
HALE	12	1718	1743	1724	N17	W44		8253		25	SF	3	C	1724	.26	.40			H
HUAN	12	1717	1743	1721	N22	W85		8240		26	SB	2	C	1722	.62				
SACP	12	1715	1749	1721	N20	W77		8240		34	1N		C		2.52				
LOCK	12	1717	1742	1720	N22	W80		8240		25	1N		C	1720	1.00	3.40		20	L
HALE	12	1718	1748	1720	N20	W80		8240		30	1B	3	C	1720	.83				T
HALE	12	1856	1913	1906	N20	W80		8240		17	SN	1	C	1906	.26				JT
HUAN	12	1905	1908D		N22	W85		8240		3D	SF	1	P	1905	.26				D
HUAN	12	2003	2024	2007	N22	W85		8240		21	SF	2	C	2007	.21				D
SACP	12	2003	2028	2009	N20	W78		8240		25	SF		C		.60				
HALE	12	2005	2009D	2008U	N20	W80		8240		4D	SN	1	P	2008	.31				T
LOCK	12	2016	2026	2020	N22	W80		8240		10	SF		C	2020	.30	1.00		10	
HALE	12	2019	2024	2020	N20	W80		8240		5	SN	1	C	2020	.26				T
LOCK	12	2031	2040D	2037	N22	W80		8240		9D	SF		C	2037	.30	1.00		10	
MCMA	12	2035E	2043D		N20	W89		8240		8D	SF		P	2039	.21				D
HUAN	12	2043	2049	2045	N22	W85		8240		6	SF	2	C	2045	.26				D
HALE	12	2048E	2056	2048	N20	W80		8240		8D	SN	1	P	2048	.15				T
MCMA	12	2120	2128	2123	N20	W90		8240		8	SN		C	2123	.21				D
HALE	12	2136E	2141	2137	N22	W80		8240		5D	SF	2	C	2137	.26				T
HALE	12	2212	2215D	2214	N16	W46		8253		3D	SF	2	P	2214	.21	.30			
SACP	12	2223	2243	2236	N20	W79		8240		20	SF		C		1.03				
MANI	12	2243	2244		N20	W82		8240		1	1N	1		2244	1.00	2.90			
SACP	12	2332	2359D	2345	N21	W80		8240		27D	SN		P		1.21				
LOCK	12	2337	2350	2342	N22	W90		8240		13	1N		C	2342	.70	2.80		20	
CULG	12	2338	2400D	2343	N21	W90		8240		22D	1N		P	2343	.41				
MANI	12	2343	0007	2347	N20	W83		8240		24	SN	2		2347	.31	1.05			
SACP	13	0016	0056	0027	N20	W81		8240		40	SN		C		.86				
LOCK	13	0020	0040	0028	N23	W90		8240		20	SF		C	0028	.40	1.60		10	H
SACP	13	0058	0119D	0109	N21	W77		8240		21D	SN		P		.62				
HALE	13	0103	0202D		N21	W90		8240		59D	SN	1	P	0112	.36				
CULG	13	0607	0628	0617	N21	W90		8240		21	SB		C	0617	.21				J
MANI	13	0615	0636	0617	N20	W83		8240		21	SN	2		0617	.31	1.05			
CULG	13	0705	0719D	0715	N32	W15		8254		14D	SN		P	0715	1.24	1.62			FL
CULG	13	0635	0719D	0642	N21	W90		8240		44D	1B		P	0642	.21				J
MANI	13	0707	0727	0712	N20	W83		8240		20	SB	2		0712	.41	1.35			
KANZ	13	0710E	0955D		N23	W90		8240		165D	1B			0829			4.30		A
ISTA	13	0725E	0745		N20	W90		8240		20D	1								
MANI	13	0735	0740	0737	N19	W84		8240		5	SN	2		0737	.31	1.02			
KAND	13	0749E	0935D		N21	W90		8240		106D	1B		P						
BUCA	13	0804E	0836D		N22	W85		8240		32D	1F		C	0813	.55				
ISTA	13	0815	0835		N20	W90		8240		20	1								
SALT	13	0832E	0842D		N21	W90		8240		10D	SN	3							
BUCA	13	0849E	1100D		N22	W25		8251		131D	1N		C	0915	.55				
ARCE	13	0846E	0945D	0853	N22	W90		8240		59D	1N		C	0853	.45	2.60			
ARCE	13			0911										0911	.80	4.60			
SALT	13	0909	0932		N21	W90		8240		23	1N	3		0913	1.00				
SALT	13	1020E	1048D		N21	W90		8240		28D	SN	1							
KAND	13	1148	1211		N21	W90		8240		23	1B		P						
KAND	13	1216	1226		N21	W90		8240		10	SN		P						
KAND	13	1240	1347		N21	W90		8240		67	SN		P						
KAND	13	1317	1339		N23	W90		8240		22	SN		P						
KANZ	13	1600	1607D		N27	E66		8262		7D	SF								
HALE	13	1739	1805	1748	N26	E64		8262		26	SF	2	C	1748	.26				
SACP	13	1834	1904	1843	N16	E61		8262		30	SF		C		.34	.55			
HALE	13	1840	1901	1843	N15	E57		8262		21	SF	3	C	1843	.15	.30			
HALE	13	1925	1938	1928	N16	E60		8262		13	SF	2	C	1928	.15	.30			
SACP	13	2030	2056	2040	N16	E59		8262		26	SF		C		.52	.80			
LOCK	13	2032	2047	2040	N14	E60		8262		15	SF		C	2040	.20	.40		10	
HALE	13	2034	2057	2037	N15	E55		8262		23	SF	2	C	2037	.21	.40			
HALE	13	2138	2150	2140	N26	E62		8262		12	SN	2	C	2140	.21				
HALE	13	2221	2252	2236	N21	E51		8262		31	SN	2	C	2236	.21	.40			JH
LOCK	13	2229	2251	2240	N21	E51		8262		22	SF		C	2240	.30	.50		10	
MANI	13	2251	2259	2253	N19	E60		8262		8	SN	2		2253	.46	.90			
HALE	13	2300	2310	2302	N21	E51		8262		10	SN	2	C	2302	.10	.20			J
HALE	13	2343	2358	2345	N21	E51		8262		15	SF	2	C	2345	.10	.20			

SOLAR FLARES

APRIL 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 APR																		
HALE	14	0024	0032	0026	N21	E61		8262		8	SF	2	C	0026	.21				
CULG	14	0024	0035	0026	N21	E61		8262		11	SN		C	0026	.31				
HALE	14	0044	0058	0046	N27	E60		8262		14	SF	2	C	0046	.26				
HALE	14	0046	0109	0058	N15	E55		8262		23	SF	2	C	0058	.21	.40			
HALE	14	0047	0100	0049	N21	E51		8262		13	SF	2	C	0049	.10	.20			
LOCK	14	0050	0108	0056	N14	E57		8262		18	SF		C	0056	.20	.40		10	
CULG	14	0406	0453	0414	N18	E59		8262		47	2N		C	0414	3.09	6.00			
TACH	14	0409	0428	0411	N18	E59		8262		19	1F		C	0411	1.55	3.20	2.30	57	
MANI	14	0417	0432	0419	N20	E56		8262		15	SN	1		0419	.80	1.46			
WEND	14	0702	0720D		N23	E60		8262		18D	1F		V		3.09				
MCMA	14	1248	1324	1252	N26	E51		8262		36	SN		C						EKL
MCMA	14			1305										1305	.83	1.60			
OTTA	14	1249	1258D	1253	N24	E53		8262		9D	1N	1	C	1253	1.85	3.58			E
HALE	14	2225	2240	2226	N23	E56		8262		15	SB	2	C	2226	.15	.30			EJ
KHAR	15	0950	1101	1010	N17	E40		8262		71	2N		V	1011	5.67	7.80	2.00		EHOR
MEUD	15	0956	1018D		N20	E40		8262		22D	2B		C	1011	6.40	10.60			U
LOCA	15	1006	1108D	1025	N18	E41		8262		62D	1N		V	1025	3.36	4.90			
CAPS	15	1010E	1019D		N20	E40		8262		9D	2B	1		1014	5.50	7.90			
CATA	15	1013E	1130D	1021	N18	E40		8262		77D	3B		C	1021	10.79	16.00		257	
ZURI	15	1015E	1023D		N18	E39		8262		8D	3B		S		13.87	20.30			
ZURI	15	1113E	1135		N17	E39		8262		22D	2F		S		7.98	11.70			
SACP	15	1807	1816D	1811U	N25	E37		8262		9D	SF		P		1.46	1.77			
HALE	15	1918	1951	1938	N20	E23		8262		33	SB	3	C	1938	.15	.20			CH
HALE	15	2054	2107	2056	N25	E45		8262		13	SN	2	C	2056	.52	.80			
MCMA	15	2055	2056D		N23	E45		8262		1D	SN		P	2055	.36	.60			DV
HALE	16	0355	0414	0356	N25	E33		8262		19	SN	2	C	0356	.52	.70			F
KAND	16	1000	1010		N19	E25		8262		10	SN		P	1108		1.49			
HUAN	16	1430E	1436D		N30	W60		8254		6D	SF	1	P	1433	.21				D
OTTA	16	1831	1845	1833	N23	E26		8262		14	SF	2	C	1833	.70	.88			E
HALE	16	1831	1852	1832	N23	E24		8262		21	SF	2	C	1832	.57	.70			
HALE	16	2111	2123	2113	S17	E16		8265		12	SF	1	C	2113	.31	.32			
CULG	17	0029	0040	0034	N23	E38		8262		11	SN		C	0034	.62	.84			L
MANI	17	0055	0111	0058	N22	E21		8262		16	SN	2		0058	.30	.36			
HALE	17	0138	0151	0143	N24	E38		8262		13	SF	1	C	0143	1.08	1.60			
CULG	17	0140	0153	0144	N23	E38		8262		13	SN		C	0144	.72	.98			L
CAPF	17	0842E	0854E	0847	N21	E19		8262		12D	1N		P	0849	2.06	2.60			
ISTA	17	0843	0854		N23	E13		8262		11	2								
CAPS	17	0843	0855		N22	E09		8262		12	1F	3		0848	2.50	2.80		142	GFI
CATA	17	0844E	0856D	0847	N22	E13		8262		12D	1B		C	0847	2.35			380	
LOCA	17	0845	0858	0848	N22	E12		8262		13	SB		V	0848	1.05	2.10			
ARCE	17	0845	0900	0846	N21	E11		8262		15	1N		C	0846	2.76	3.10			
KAND	17	0849	0858		N24	E11		8262		9	SN		V						
KAND	17	0850	0858		N23	E12		8262		8	SN		V						
KAND	17	0850	0858		N24	E15		8262		8	SN		V						
KAND	17	0855	0858		N23	E16		8262		3	SN		V						
KAND	17	0900	0915		N24	E14		8262		15	SN		V						
LOCA	17	0947	1003	0951	N22	E12		8262		16	SN		V	0951	1.05	2.10			
CATA	17	0957E	1002D	0957	N23	E09		8262		5D	SN			0957	.81	.94		199	
MCMA	17	1303	1313	1305	N20	E11		8262		10	SN		C	1305	.67	.70			FH
OTTA	17	1305	1310	1305	N18	E13		8262		5	SN	2	C	1305	.94	1.04			E
SACP	17	1420	1520	1453	N19	E12		8262		60	1N		C		2.41	2.45			
KANZ	17	1425E	1500D		N19	E12		8262		35D	1N								F
HUAN	17	1433	1507	1452	N19	E13		8262		34	SN	2	C	1452	.72	.73			EH
MCMA	17	1433	1515	1438	N19	E10		8262		42	SB		C	1438	.62	.70			E
MCMA	17			1453										1453	1.03	1.10			
OTTA	17	1433	1528	1436	N18	E13		8262		55	SN	2	C						E
OTTA	17			1443										1443	1.28	1.42			
LOCA	17	1440E	1520D	1445	N19	E12		8262		40D	1N		V	1445	2.73	5.50			
OTTA	17	1639	1652		N22	E13		8262		13	SF	2	C	1647	.94	1.08			
SACP	17	1744	1823	1756	N23	E12		8262		39	1N		C		3.45	3.59			
OTTA	17	1746	1830	1754	N22	E13		8262		44	1B	2	C	1754	2.56	2.96			F
HALE	17	1747	1816	1754	N24	E11		8262		29	1N	2	C	1754	1.86	2.20			FILS
MCMA	17	1748	1817	1755	N23	E13		8262		29	SN		C	1755	.93	1.10			E
HUAN	17	1751E	1752D		N23	E12		8262		1D	SN	1	P	1752	.57	.57			BE
MCMA	17	1945	1956D	1950	N22	E12		8262		11D	SF		C	1950	.36	.40			D
HALE	17	1945	2002	1947	N24	E12		8262		17	SN	2	C	1947	.62	.70			TJ
HALE	17	2021	2029	2024	N23	E04		8262		8	SN	2	C	2021	.93	1.00			HI
SACP	17	2021	2048	2036	N22	E04		8262		27	1N		C		2.16	2.19			
HALE	17	2031	2045	2034	N23	E04		8262		14	SN	2	C	2034	1.03	1.20			HI
MCMA	17	2032	2046	2036	N22	E04		8262		14	SB		C	2036	.41	.50			EH
CULG	18	0054	0118	0059	N25	E11		8262		24	SN		C	0059	.41	.44			
HALE	18	0058	0112	0100	N23	E09		8262		14	SF	2	C	0100	.77	.90			F
CULG	18	0340	0407	0344	N25	E11		8262		27	SN		C	0344	.41	.44			
HALE	18	0343E	0355D	0344	N23	E07		8262		12D	SN	1	C	0344	.41	.50			
CULG	18	0421	0439	0429	N25	E10		8262		18	SB		C	0429	.83	.92			
MITK	18	0426	0439	0429	N23	E08		8262		13	SF		C	0429	1.65	1.90			E
MITK	18	0453	0528	0500	N24	E07		8262		35	1F		C	0500	2.17	2.40			E
MANI	18	0458	0524	0504	N23	E07		8262		26	SB	2		0504	1.80	2.03			
KODA	18	0504E	0511		N22	E07		8262		7D	SN		S				1.60		
KANZ	18	0817	0822D		N23	E08		8262		5D	SF								F
KANZ	18	0843E	0851		N22	E05		8262		8D	SF								D
KAND	18	0845E	0855		N22	E04		8262		10D	SN		V						
KANZ	18	0850	0858D		N21	E11		8262		8D	SF								D
WEND	18	0850	0901		N21	E11		8262		11	SN								
KAND	18	1137	1318		N21	W01		8262		101	1N		C	1239		2.44			
KAND	18	1137	1318		N23	E06		8262		101	1N		C	1244		2.18			
OTTA	18	1138	1139D		N23	E04		8262		1D	SB	1	C	1139	.46	.53			E
CATA	18	1143E	1202D	1145	N24	E03		8262		19D	1N		C	1145	2.25			178	
OTTA	18	1143E	1205	1150	N22	E02		8262		22D	SN	2	C	1150	1.53	1.70			E
OTTA	18	1231E	1319	1247	N22	W01		8262		48D	SB	1	C	1247	1.58	1.79			ETK
HUAN	18	1242E	1306		N23	E00		8262		24D	SN	2	S	1242	.72	.73			E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 APR																		
OTTA	18	1326	1351D		N22	E01		8262		25D	1B	1	C	1338	2.10	2.38			FT
KANZ	18	1327	1341		N22	E03		8262		14	SF								D
HUAN	18	1339E	1430		N22	E00		8262		51D	SN	2	S	1339	.67	.68			E
OTTA	18	1356E	1438D		N22	E02		8262		42D	1N	1	C	1405	1.87	2.08			FT
KANZ	18	1400E	1413D		N21	E04		8262		13D	1F								F
OTTA	18	1640	1655	1642	N22	W01		8262		15	SN	2	C	1642	.24	.26			E
KANZ	18	1649	1654D		N21	E02		8262		5D	SF								
OTTA	18	1700	1710	1705	N24	E07		8262		10	SN	2	C	1705	1.39	1.60			E
HALE	18	1701	1718	1704	N24	E06		8262		17	SN	1	C	1704	.62	.70			T
SACP	18	1702E	1712	1705	N24	E07		8262		10D	SF		P		1.64	1.69			
OTTA	18	1758	1815	1802	N18	W06		8262		17	SN	2	C	1802	.18	.19			D
HALE	18	1916	1932	1917	N20	W05		8262		16	SN	1	C	1917	.62	.70			T
HALE	18	1954	2028	2003	N22	E01		8262		34	SN	1	C	2003	.72	.80			T
MCMA	18	1959E	2006D		N22	W02		8262		7D	SF		P	2002	.52	.60			E
SACP	18	2133	2147U	2136	N24	W04		8262		14U	SF		P		1.04	1.07			
CULG	18	2133	2235	2136	N28	W02		8262		62	SB		C	2136	1.44	1.60			J
HUAN	18	2134	2158	2136	N25	W01		8262		24	SF	2	C	2136	1.19	1.22			E
HALE	18	2134	2245	2137	N23	W05		8262		71	SN	2	C	2137	1.44	1.60			TEFI
HALE	18	2213	2246	2219	N23	W07		8262		33	SN	1	C	2219	.46	.50			T
CULG	18	2239	2259D	2244	N28	W07		8262		20D	SN		C	2244	.41	.46			C
HALE	19	0008	0012	0011	N19	W06		8262		4	SN	2	C	0011	.41	.50			TH
CULG	19	0114	0127D	0121	N25	E52		8272		13D	SB		P	0121	.41	.90			
OTTA	19	1515	1530	1520	N22	W06		8262		15	SN	2	C	1520	.21	.23			
OTTA	19	1628	1650	1637	N15	W18		8262		22	SN	2	C	1637	.18	.20			
HUAN	19	1902E	1916D		N19	E59		8272		14D	SF	1	P	1902	.21	.31			D
HUAN	19	1933E	1945D		N19	E58		8272		12D	SF	1	P	1940	.21	.31			CD
HUAN	19	2059	2115D		N19	E57		8272		16D	SF	1	C	2101	.26	.39			D
HALE	19	2100	2117	2105	N20	E57		8272		17	SN	2	C	2205	.26	.50			TFG
HALE	19	2146	2200	2147	N20	E57		8272		14	SN	1	C	2147	.52	1.00			TFG
HALE	19	2324	2336	2325	N19	E56		8272		12	SN	1	C	2324	.21	.40			T
HALE	20	0034	0114	0036	N21	E56		8272		40	SN	1	C	0026	.46	.90			
ARCE	20	0847E	0915D		N19	E51		8272		28D	1N		C	0847	1.95	3.80			H
KAND	20	0919	1004		N24	W24		8262		45	1N		C	0940		2.39			
SACP	20	1304	1316	1310	N19	E49		8272		12	SF		C		.43	.57			
MCMA	20	1306	1313	1307	N20	E48		8272		7	SF		C	1307	.21	.40			EH
SACP	20	1411	1426	1418	N20	E48		8272		15	SF		C		.26	.34			
MCMA	20	1412	1417	1413	N20	E48		8272		5	SN		C	1413	.31	.50			DV
MCMA	20	1611	1618D	1612	N22	E45		8272		7D	SN		C	1612	.26	.40			D
	20	1620	1625	NO FLARE PATROL															
SACP	20	1854	1917U	1856	N22	W26		8262		23U	SN		C		.87	.94			
HALE	20	1854	1930	1857	N24	W24		8262		36	SN	3	C	1857	.77	1.00			
MCMA	20	1855	1910	1859	N23	W27		8262		15	SN		C	1859	.46	.60			E
HALE	20	1954	2025	1956	N22	E43		8272		31	SN	1	C	1956	.46	.70			
LOCK	20	2115	2140	2123	N19	E43		8272		25	SF		C	2123	.40	.60		10	
LOCK	21	0015	0040	0020	N21	E42		8272		25	SF		C	0020	.20	.30		10	H
LOCK	21			0034															
LOCK	21	0100	0114	0104	N21	E42		8272		14	SF		C	0104	.20	.30		10	H
LOCK	21	0130	0140	0134	N21	E42		8272		10	SN		C	0134	.30	.50		10	
CULG	21	0131	0143	0135	N20	E41		8272		12	SB		C	0135	.62	.84			
CULG	21	0217	0224	0219	N22	E43		8272		7	SN		C	0219	.31	.42			
HALE	21	0218	0227	0219	N19	E40		8272		9	SN	1	C	0219	.36	.50			
CULG	21	0309	0320	0311	N15	E26		8272		11	SN		C	0311	.31	.34			C
CULG	21	0318	0332	0321	N22	E43		8272		14	SB		C	0321	.31	.42			
KAND	21	0911	0936		N19	W41		8262		25	1N		C	0912		3.53			
MEUD	21	0912E	0913D		N22	W38		8262		1D	1N		C		1.80	2.60			
MANI	21	0914	0934	0920	N20	W45		8262		20	1F	2		0920	2.20	3.52			
	21	1100	1105	NO FLARE PATROL															
	21	1115	1125	NO FLARE PATROL															
KAND	21	1140	1152		N21	E38		8272		12	SN		P						
	21	1235	1300	NO FLARE PATROL															
	21	1310	1350	NO FLARE PATROL															
	21	1405	1415	NO FLARE PATROL															
	21	1505	1530	NO FLARE PATROL															
	21	1555	1600	NO FLARE PATROL															
LOCK	21	1659	1717	1701	N24	W37		8262		18	SN		C	1701	.50	.80		10	
LOCK	21	1825	1830	1827	N24	W37		8262		5	SF		C	1827	.20	.30		10	
LOCK	21	1842	1854	1845	N24	W37		8262		12	SF		C	1845	.30	.50		10	
HALE	21	1843	1901	1848	N24	W41		8262		18	SN	2	C	1848	.72	1.10			
LOCK	21	1908	1925	1912	N30	W19		8262		17	SF		C	1912	.20	.30		10	
LOCK	21	1922	1935	1926	N35	W42		8262		13	SF		C	1926	.20	.40		10	
HALE	21	2028	2100	2031	N21	W43		8262		32	SN	1	C	2031	.21	.30			
LOCK	21	2356	0002	2358	N24	W39		8262		6	SF		C	2358	.30	.50		10	
CULG	22	0517	0540D		N18	E26		8272		23D	SF		P	0540	1.03	1.15			L
CULG	22	0626	0640	0633	N23	E25		8272		14	SN		C	0633	.41	.48			H
MANI	22	0628	0639	0633	N20	E26		8272		11	SN	2		0633	.36	.37			
MANI	22	0720	0739	0725	N18	E24		8272		19	SF	2		0725	1.16	1.15			
	22	1100	1115	NO FLARE PATROL															
MCMA	22	1215	1246	1220	N18	E20		8272		31	SN		C	1220	.52	.60			EH
SALT	22	1220E	1241D		N18	E20		8272		21D	1N	3		1225	1.80	2.10		170	J
MCMA	22	1236	1255	1241	N29	W27		8275		19	SF		C	1241	.31	.40			E
OTTA	22	1242	1308	1243	N29	W27		8275		26	SN	2	C	1243	.46	.63			JT
MCMA	22	1353	1430		N29	W27		8275		37	SN		C	1400	.31	.40			E
HUAN	22	1414	1423	1416	N18	E19		8272		9	SF	2	C	1416	.21	.21			D
OTTA	22	1415	1421	1415	N17	E18		8272		6	SN	2	C	1415	.75	.86			F
KANZ	22	1415E	1424D		N16	E18		8272		9D	SN			1416			2.00		DE
MCMA	22	1415	1426	1416	N18	E18		8272		11	SN		C	1416	.52	.60			E
SACP	22	1416E	1421D	1416U	N17	E18		8272		5D	SN		P		.61	.62			
KANZ	22	1553E	1559		N18	E17		8272		6D	SF								D
LOCK	22	1650	1718	1659	N18	E16		8272		28	SF		C	1659	.40	.40		10	H
LOCK	22	1655	1712	1701	N25	E45		8273		17	SF		C	1701	.20	.30		10	H

SOLAR FLARES

APRIL 1966

OBSERVATORY	OBSERVED UT DATE	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	1966 APR																		
LOCK	22	1732	1749	1735	N18	E16		8272		17	SF		C	1735	.30	.30		10	
LOCK	22	1932	1941	1935	N17	E16		8272		9	SF		C	1935	.80	.80		10	
SACP	22	1934	1949U	1935	N17	E15		8272		15U	SF		C		.52	.52			
MCMA	22	1935	1940	1937	N18	E16		8272		5	SF		C	1937	.21	.21			D
SACP	22	1958	2012U	2004E	N19	E17		8272		14U	SF		P		.69	.71			
LOCK	22	1958	2012	2001	N21	E19		8272		14	SF		C	2001	.30	.30		10	
HALE	22	1958	2017	2000	N23	E20		8272		19	SN	1	C	2000	.46	.60			
SACP	22	2049	2103	2054	N27	E64		8274		14	SF		C		.26	.47			
SACP	22	2050	2057	2052	N17	E15		8272		7	SN		C		1.04	1.05			
LOCK	22	2050	2058	2052	N17	E16		8272		8	SF		C	2052	.80	.80		10	
HALE	22	2051	2058	2052	N17	E15		8272		7	SN	2	C	2052	.77	.90			
HALE	22	2216	2250	2223	N18	E15		8272		34	SN	2	C	2223	.52	.60			
LOCK	22	2221	2230	2223	N17	E16		8272		9	SF		C	2223	.80	.80		10	
MANI	22	2240	2250	2242	N28	W32		8275		10	SF	1		2242	.59	.87			
MANI	23	0440	0455	0443	N28	W33		8275		15	SF	2		0443	1.20	1.80			
MANI	23	0513	0520	0515	N28	W33		8275		7	SF	2		0515	.87	1.30			
CATA	23	0825E	0900D	0850	S23	E90		8277		35D	SF		C	0850	.45			135	
KAND	23	0857	0910		N19	E08		8272		13	SN		C						
WEND	23	0859	0910		N19	E11		8272		11	SN								
ARCE	23	0905E	0922D		N29	W38		8275		17D	SN		P	0922	.75	1.20			
KANZ	23	1000E	1006D		N28	W36		8275		6D	SF								E
HUAN	23	1335	1341	1338	N19	E08		8272		6	SF	2	C	1338	.26	.26			D
HUAN	23	1833	1840	1837	N28	W45		8275		7	SF	1	C	1837	.21	.27			D
HALE	23	1921	1941	1923	N30	W43		8275		20	SF	2	C	1923	.15	.30			
HALE	23	2237	2250	2245	N30	W47		8275		13	SN	1	C	2245	.93	1.60			
SACP	23	2240U	2256U	2244	N28	W46		8275		16U	1N		P		1.65	2.23			
LOCK	24	0013	0017	0015	N29	W48		8275		4	SF		C	0015	.20	.40		10	
HALE	24	0013	0021	0015	N31	W50		8275		8	SF	1	C	0015	.62	1.10			T
HALE	24	0031	0042	0034	N32	W48		8275		11	SN	1	C	0034	.77	1.40			T
LOCK	24	0031	0043	0032	N29	W46		8275		12	SN		C	0032	.40	.70		10	
SACP	24	0032	0040	0034	N29	W46		8275		8	SF		C		.43	.59			
MANI	24	0035	0054	0039	N26	W56		8275		19	1N	2		0039	1.10	2.10			
HALE	24	0100	0115	0102	N31	W50		8275		15	SN	1	C	0102	1.03	1.80			T
LOCK	24	0100	0117	0105	N27	W48		8275		17	SF		C	0105	.30	.50		10	
HALE	24	0121	0137D	0126	N28	W51		8275		16D	SF	1	P	0126	.93	1.70			T
	24	0230	0245	NO FLARE PATROL															
ONDR	24	0611E	0616		N29	W48		8275		5D	1F		V	0612			2.10		CD
ARCE	24	0815E	0820D		N24	E90		8278		5D	SN		C	0815	.20	1.10			
KANZ	24	0917E	0927		N29	W50		8275		10D	SN								
KANZ	24	1029E	1040		N29	W50		8275		11D	SF								E
KANZ	24	1341E	1346		N18	W08		8272		5D	SF								E
HUAN	24	1409	1454	1412	N30	W53		8275		45	SN	2	C	1412	.57	.87			E
KANZ	24	1410	1430		N28	W50		8275		20	1B			1412			3.80		
ONDR	24	1411E	1413D		N29	W52		8275		2D	1N		V	1411			3.30		
WEND	24	1414E	1453		N29	W61		8262		39D	1N		V		5.16				
KANZ	24	1438E	1450		N28	E53				12D	SN								
HUAN	24	1521	1526	1523	N28	E90		8279		5	SF	2	C	1523	.21				D
LOCK	24	1647	1652	1648	N29	W50		8275		5	SF		C	1648	.20	.40		10	
HUAN	24	1650E	1654		N29	W57		8275		4D	SF	1	P	1651	.26	.40			D
LOCK	24	1738	1750	1741	N29	W50		8275		12	SF		C	1741	.20	.40		10	
HALE	24	1850	1908D	1900	N29	W58		8275		18D	1N	1	C	1900	.93	2.10			T
HUAN	24	1850	1911	1855	N29	W59		8275		21	SN	1	C	1855	.36	.58			D
HUAN	24			1858										1858	.52	.83			E
LOCK	24	1852	1908	1857	N29	W58		8275		16	SF		C	1857	.50	1.10		10	
MCMA	24	2122E	2143D	2130	N18	W12		8272		21D	SB		C	2130	.77	.90			E
LOCK	24	2122	2215	2132	N20	W11		8272		53	SF		C					10	JK
LOCK	24			2150										2150	1.20	1.20			
LOCK	24	2125	2145	2135	N23	W78		8262		20	1N		C	2135	.90	3.10		20	
HALE	24	2127	2204D	2142	N18	W10		8272		37D	1N	1	P	2127	1.86	2.00			HF
SACP	24	2130E	2217	2158	N19	W10		8272		47D	1N		P		2.41	2.44			
MANI	24	2148	2214		N18	W11		8272		26	SN	2		2200	1.65	1.70			
HUAN	24	2152E	2156D		N18	W13		8272		4D	SN	1	P	2156	.72	.73			E
MCMA	24	2130E	2140D	2137	N23	W90		8262		10D	SF		C	2137	.72				
SACP	24	2131	2150	2138	N23	W81		8262		19	SN		C		.77				
IKOM	24	2305E	0240		N30	W60		8275		215D	SF		V	0020	.41	1.00		70	E
IKOM	25	0205E	0212D		N18	W13		8272		7D	SF		V	0205	.62	.70		90	E
IKOM	25	0237E	0246D	0240	N18	W13		8272		9D	SN		V	0240	.72	.80		100	E
KODA	25	0239E	0247		N18	W12		8272		8D	SN		P	0239	1.29	1.32			
MANI	25	0240	0256	0244	N20	W11		8272		16	SN	2		0244	1.20	1.30			
HALE	25	0427	0441D	0433	N20	W14		8272		14D	SN	1	P	0433	.77	.90			TF
MANI	25	0430	0451	0434	N20	W12		8272		21	SN	2		0434	1.50	1.70			
MITK	25	0431	0447	0432	N20	W13		8272		16	SN		C	0432	1.34	1.50			
KODA	25	0440	0450	0445	N17	W13		8272		10	SF		C	0445	.95	1.00	1.60		D
CATA	25	0840E	0855D	0849	N19	W17		8272		15D	SB		C	0849	1.11			245	
CAPS	25	0845E	0855		N19	W14		8272		10D	SF	3		0848	1.20	1.30		157	GF
KANZ	25	0845E	0904		N21	W18		8272		19D	1N								F
KANZ	25	0900	0905		N31	W65		8275		5	SF								D
MCMA	25	1427	1436	1428	N19	W19		8272		9	SN		C	1428	.41	.50			E
KANZ	25	1428E	1434		N20	W17		8272		6D	SF								D
LOCK	25	1523	1610	1541	N17	W23		8272		47	SN		C	1541	1.40	1.70		20	J
MCMA	25	1525	1551	1538	N19	W20		8272		26	SB		C	1538	.77	.90			E
CAPS	25	1529	1544		N17	W16		8272		15	SN	3		1543	.90	1.00		164	GJ
KANZ	25	1531E	1550D		N19	W18		8272		19D	1N								E
SACP	25	1533E	1559	1544	N20	W19		8272		26D	1F		P		2.59	2.69			
HUAN	25	1540E	1543D		N20	W19		8272		3D	SN	1	P	1542	.83	.86			E
LOCK	25	1600	1624	1605	N34	E80		8279		24	1N		C	1605	1.20	3.10		10	
LOCK	25	1907	1925	1915	N27	W69		8275		18	SF		C	1915	.30	.80		10	
LOCK	25	1953	1959	1955	N29	W69		8275		6	SF		C	1955	.20	.50		10	
LOCK	25	2026	2044	2030	N29	W69		8275		18	SF		C	2030	.30	.80		10	
HALE	25	2310	2323	2313	N18	W26		8272		13	SN	1	C	2313	.26	.30			T

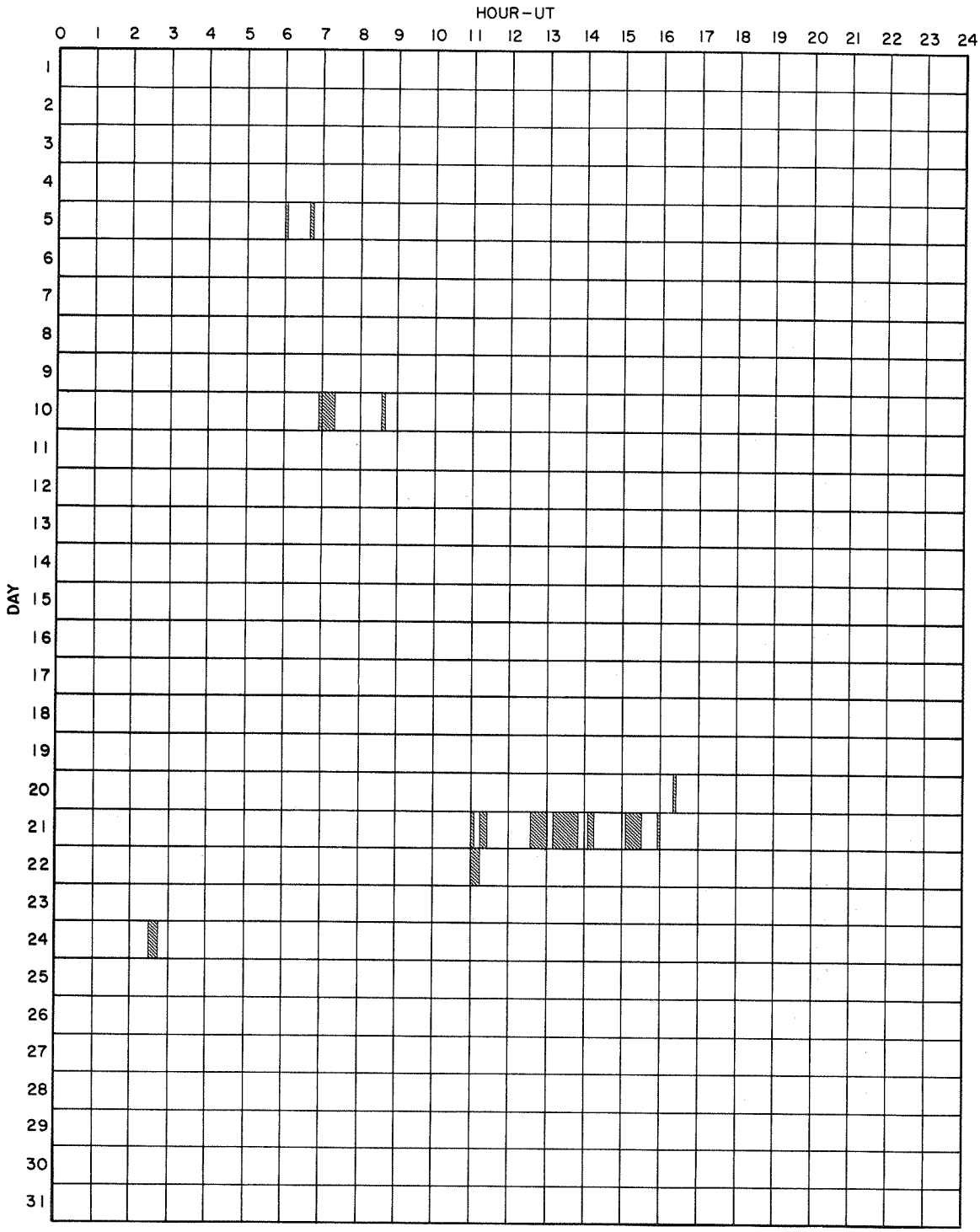
SOLAR FLARES

APRIL 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
					APPROX.		CENTRAL	McMATH	CMP										
	DATE	START	END	MAX. PHASE	LAT.	MER. DIST.	DISTANCE	PLAGE REGION	DAY	MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 APR																		
SACP	26	0000E	0014	0006	N27	E60		8279		14D	SF		P		.52	.87			
MANI	26	0001	0014	0004	N28	E66		8279		13	SN	2		0004	.52	1.12			
HUAN	26	1333	1354	1337	N32	W85		8275		21	SF	1	C	1337	.31				E
HUAN	26	1451	1508D		N30	W88		8275		17D	SF	1	P	1457	.26				D
LOCK	26	1532	1550	1538	N24	E58		8279		18	SF		C	1538	.40	.80		10	
LOCK	26	1540	1555	1543	N20	W32		8272		15	SF		C	1543	.30	.90		10	
LOCK	26	1700	1738	1715	N28	W78		8275		38	SF		C	1715	.30	1.00		10	H
HUAN	26	1706	1723		N31	W88		8275		17	SF	1	C	1711	.21				D
LOCK	26	1735	1805	1750	N16	W35		8272		30	SF		C	1750	.20	.30		10	
HUAN	26	1753	1803	1757	N31	W88		8275		10	SF	2	C	1757	.21				D
LOCK	26	1754	1810	1758	N28	W78		8275		16	SF		C	1758	.30	1.00		10	H
LOCK	26	1830	1850	1836	N25	E48		8278		20	1N		C	1836	.90	2.40		10	
LOCK	26	1855	1915	1902	N28	W78		8275		20	SF		C	1902	.20	.70		10	H
LOCK	26	1900	1930	1910	N16	W36		8272		30	SF		C	1910	.20	.40		10	
LOCK	26	1939	1948	1941	N28	W78		8275		9	SF		C	1941	.30	1.00		10	H
LOCK	26	1948	2002	1950	N28	W78		8275		14	SF		C	1950	.30	1.00		10	
LOCK	26	2205	2212	2207	N29	W90		8275		7	SF		C	2207	.20	.80		10	
LOCK	26	2339	2345	2341	N28	W78		8275		6	SF		C	2341	.20	.70		10	H
LOCK	26	2349	2355	2352	N20	W41		8272		6	SF		C	2352	.20	.30		10	
HALE	26	2350	2354	2352	N20	W44		8272		4	SN	1	C	2352	.21	.30			T
ARCE	27	0845E	1153D		N30	W90		8275		188D	1N		C	0940	.39	2.20			
KANZ	27	1021E	1028D		N21	W42		8272		7D	SF								
LOCK	27	2112	2122	2116	N29	E47		8279		10	SF		C	2116	.30	.50		10	H
LOCK	27	2322	2345	2330	N23	W49		8272		23	SF		C	2330	.30	.50		10	
HALE	27	2328	2347	2331	N25	W55		8272		19	SN	1	C	2331	.31	.60			T
HALE	28	0357	0429D	0359	N30	E70		8283		32D	SN	1	P	0359	.41				T
KAND	28	0750	0759		N15	W55		8272		9	SN		C						
KAND	28	0829	0839		N14	W56		8272		10	SN		C						
ISTA	28	0840	0845		N18	W57		8272		5	1								
SACP	28	1403	1428	1407	N17	W61		8272		25	SF		C		.95	1.51			
HUAN	28	1405	1407D		N18	W60		8272		2D	SN	1	P	1407	.62	.98			E
CLMX	28	1405	1412	1407	N19	W58		8272		7	SN		C	1407	.40	.60			
SACP	28	1450	1455	1451	N22	E65		8272		5	SF		C		.35	.63			
KANZ	28	1620E	1628		N18	W57		8272		8D	SF								
SACP	28	1623	1644	1630	N16	W61		8272		21	SF		C		.53	.84			
HUAN	28	1627	1637	1632	N18	W60		8272		10	SF	2	C	1632	.31	.49			E
HALE	28	1629	1640	1631	N18	W61		8272		11	SN	1	C	1631	.31	.70			T
KANZ	28	1641	1655		N25	E20		8278		14	SF								
HUAN	28	1658	1717	1702	N19	W63		8272		19	SF	2	C	1702	.21				D
HALE	28	1701	1718	1707	N21	W90		8276		17	SN	1	P	1707	.21				
HUAN	28	1717	1804	1728	N29	E20		8278		47	SF	2	C	1728	.21	.22			D
SACP	28	1750	1806	1800	N29	E20		8278		16	SF		C		.18	.19			
HUAN	28	1824	1918	1837	N29	E20		8278		54	SF	2	C	1837	.21	.22			D
HUAN	28	2155	2204	2159	N17	W64		8272		9	SF	2	C	2159	.26				D
LOCK	28	2155	2205	2158	N16	W65		8272		10	SN		C	2158	.40	.90		10	
HALE	28	2157	2203	2159	N16	W65		8272		6	SN	2	C	2259	.31				T
HUAN	28	2158	2216	2204	N29	E18		8278		18	SF	2	C	2204	.21	.22			D
HALE	28	2222	2245	2232	N26	E28		8279		23	SN	2	C	2232	1.13	1.50			KL
LOCK	28	2222	2250	2231	N25	E26		8279		28	SN		C	2231	.70	.90		20	
LOCK	28	2327	2341	2332	N17	W66		8272		14	SF		C	2332	.40	.90		10	
CULG	29	0352	0357D	0355	N17	W72		8272		5D	1N		P	0355	.41				
HALE	29	0352	0404	0354	N18	W76		8272		12	1N	2	C	0354	.72				T
HALE	29	0408	0418D	0411	N18	W76		8272		10D	SN	2	P	0411	.41				T
MANI	29	0920	0945		N29	E12		8278		25	SN	1		0930	.62	.74			
HUAN	29	1140	1147	1142	N20	W73		8272		7	SF	2	C	1142	.26				E
HUAN	29	1204	1216	1208	N29	E11		8278		12	SN	2	C	1208	.31	.33			
MEUD	29	1206	1214	1212	N28	E10		8278		8	SF		C	1212	.90	1.10			
MCMA	29	1206	1215	1209	N29	E10		8278		9	SN		C	1209	.41	.50			E
HUAN	29	1242	1252D		N24	E63		8284		10D	SF	1	P	1249	.77	1.25			E
CLMX	29	1317	1331	1319	N23	E60		8284		14	SN		C	1319	.50	.80			
MCMA	29	1318	1355	1322	N27	E60		8284		37	SN		C	1322	.36	.70			E
OTTA	29	1320E	1327		N26	E60		8284		7D	SN	1	C	1322	.53				E
OTTA	29	1502	1517		N26	E59		8284		15	SF	1	C	1511	.53				
HUAN	29	1502	1522		N25	E61		8284		20	SN	2	C	1510	.62	1.00			E
SACP	29	1505	1523	1510	N26	E61		8284		18	1F		C		1.30	2.20			
MCMA	29	1505	1525	1509	N27	E60		8284		20	SF		C	1509	.31	.60			E
CLMX	29	1506	1518	1510	N23	E60		8284		12	SN		C	1510	.40	.64			
SACP	29	1512	1520	1516	N26	E20		8279		8	SF		C		.95	1.02			
LOCK	29	1658	1735	1717	N17	W78		8272		37	SF		C	1717	.30	.90		10	
LOCK	29	2010	2025	2015	N29	E04		8279		15	SF		C	2015	.30	.40		10	
LOCK	29	2110	2135	2120	N17	W78		8272		25	SF		C	2120	.30	.90		10	
HALE	29	2118	2134	2124	N19	W79		8272		16	1N	1	C	2124	.62				TJ
LOCK	29	2250	2315	2300	N17	W82		8272		25	SF		C	2300	.30	1.00		10	
LOCK	29	2320	2350	2324	N28	E09		8279		30	SF		C	2324	.50	.60		10	J
KANZ	30	1049E	1053		S24	E03		8282		4D	SF								
SACP	30	1459E	1507	1502	N23	E82		8285		8D	SF		P		.69				
LOCK	30	1845	1915	1855	S23	W01		8282		30	SF		C	1855	.30	.30		10	J
LOCK	30	2023	2039	2028	S24	W03		8282		16	SN		C	2028	.40	.40		20	J
SACP	30	2036U	2043	2036U	S25	W04		8282		7U	SF		P		.34	.34			
LOCK	30	2050	2115	2057	S25	W02		8282		25	SF		C	2057	.30	.30		10	J
LOCK	30	2130	2235	2150	S25	W02		8282		65	SF		C	2150	.30	.30		10	K
LOCK	30			2210															
MANI	30	2213	2224	2216	S23	W01		8282		11	SN	1		2216	.75	.78			
LOCK	30	2250	0010	2320	S25	W02		8282		80	SF		C	2320	.30	.30		10	K
LOCK	30			2345															
LOCK	30	2303	2330	2308	N29	W08		8279		27	SF		C	2308	.40	.50		10	
SACP	30	2323	2350	2331	N20	E32		8284		27	SF		C		.43	.48			

INTERVALS OF NO FLARE PATROL OBSERVATIONS

APRIL 1966



Observatories included:

Abastumani	Culgoora	Istanboul	Locarno	Mitaka	Siberie
Arcetri	Capri-F (German)	Kandilli	Lockheed	Monte Mario	Tachkent
Arosa	Capri-S (Swedish)	Kanzelhöhe	Lvov	Ondrejov	Tortosa
Bakou	Haleakala	Kharkov	Manila	Ottawa	Voroshilov
Bucharest	Herstmonceux	Kiev	McMath-Hulbert	Sacramento Peak	Wendelstein
Catania	Huancayo	Kodaikanal	Meudon	Salonique	Zürich
Climax	Ikomasan				

SOLAR RADIATION MONITORING SATELLITE

X-RAY OBSERVATIONS

ABERDEEN, SOUTH DAKOTA — JULY 1966

OUTSTANDING EVENTS					
DATE	TIMES OF OBSERVATION	44-60A	8-12A	0-8A	0-3A
JULY 3	0715 0717	1.4×10^{-1}	1.7×10^{-3}	8.4×10^{-4}	3.1×10^{-5}
5	1309 1320	1.6×10^{-1}	3.2×10^{-3}	8.8×10^{-4}	1.4×10^{-5}
6	0350 0403	1.6×10^{-1}	5.7×10^{-3}	1.0×10^{-3}	2.4×10^{-5}
	0536 0547	$> 2.2 \times 10^{-1}$	7.3×10^{-3}	3.0×10^{-3}	3.0×10^{-5}
	0911 0919	1.6×10^{-1}	2.9×10^{-3}	1.1×10^{-3}	1.9×10^{-5}
	1058 1106	----	3.0×10^{-3}	8.9×10^{-4}	1.8×10^{-5}
	1238 1251	----	3.8×10^{-3}	9.3×10^{-4}	3.7×10^{-5}
7	0322 0333	1.7×10^{-1}	$> 3.4 \times 10^{-3}$	$>1.6 \times 10^{-3}$	1.2×10^{-4}
	0505 0517	----	2.0×10^{-3}	3.5×10^{-3}	4.5×10^{-5}
	0652 0702	----	5.1×10^{-3}	1.4×10^{-3}	1.8×10^{-5}
	1209 1221	----	4.3×10^{-3}	1.3×10^{-3}	2.0×10^{-5}
	1353 1402	----	3.5×10^{-3}	9.4×10^{-4}	1.0×10^{-5}
8	0253 0303	----	5.4×10^{-3}	1.1×10^{-3}	1.0×10^{-5}
	0809 0818	$> 1.6 \times 10^{-1}$	4.1×10^{-3}	5.9×10^{-4}	1.0×10^{-5}
	0956 1005	1.7×10^{-1}	3.5×10^{-3}	1.1×10^{-3}	1.5×10^{-5}
9	0222 0233	----	5.7×10^{-3}	1.5×10^{-3}	5.5×10^{-5}
	0405 0418	$> 2.2 \times 10^{-1}$	$>1.3 \times 10^{-2}$	$>1.6 \times 10^{-3}$	$> 1.6 \times 10^{-4}$
	0553 0602	$> 2.2 \times 10^{-1}$	$> 1.3 \times 10^{-2}$	$>1.6 \times 10^{-3}$	$> 1.6 \times 10^{-4}$
	0738 0748	1.8×10^{-1}	$>1.4 \times 10^{-2}$	$>1.9 \times 10^{-3}$	1.3×10^{-4}
	0924 0935	----	8.4×10^{-3}	1.6×10^{-3}	2.5×10^{-4}
	1108 1120	----	6.2×10^{-3}	1.4×10^{-3}	1.5×10^{-5}
	1253 1303	----	5.7×10^{-3}	1.4×10^{-3}	1.8×10^{-5}
10	0156 0204	----	5.9×10^{-3}	8.4×10^{-4}	1.0×10^{-5}
	0335 0348	----	6.8×10^{-3}	3.0×10^{-3}	8.7×10^{-5}
	0522 0533	----	2.7×10^{-3}	3.2×10^{-4}	1.1×10^{-5}
	0708 0718	----	$>1.3 \times 10^{-2}$	4.9×10^{-3}	----
	1222 1234	----	$>1.3 \times 10^{-2}$	$>1.6 \times 10^{-4}$	5.5×10^{-5}
11	0640 0648	1.9×10^{-1}	$>3.3 \times 10^{-3}$	8.4×10^{-4}	1.4×10^{-5}
	1008 1017	$> 2.2 \times 10^{-1}$	$> 3.3 \times 10^{-3}$	$>1.4 \times 10^{-3}$	----
	1151 1203	----	$> 3.3 \times 10^{-3}$	1.0×10^{-3}	1.0×10^{-5}
23	0553 0605	$> 2.2 \times 10^{-1}$	$> 3.4 \times 10^{-3}$	$>1.6 \times 10^{-3}$	1.6×10^{-4}
24	0152 0203	$>2.2 \times 10^{-1}$	5.4×10^{-3}	1.4×10^{-3}	3.4×10^{-5}
25	0454 0504	$>2.2 \times 10^{-1}$	$> 3.4 \times 10^{-3}$	$>1.5 \times 10^{-3}$	$> 1.6 \times 10^{-4}$
	0637 0645	----	4.3×10^{-3}	1.0×10^{-3}	1.0×10^{-5}
26	0052 0103	$> 2.6 \times 10^{-1}$	$> 3.4 \times 10^{-3}$	1.3×10^{-3}	5.0×10^{-5}
28	2321 2331	$>2.4 \times 10^{-1}$	$>1.3 \times 10^{-2}$	$>1.4 \times 10^{-2}$	1.7×10^{-4}
29	0107 0117	----	1.2×10^{-2}	4.5×10^{-3}	4.6×10^{-5}
	0437 0446	----	6.7×10^{-3}	1.6×10^{-3}	1.5×10^{-5}

SOLAR RADIATION MONITORING SATELLITE
X-RAY

NRL

JUNE 1966

Outstanding Events					
Date	Time of Observation	8-20Å	0-8Å	0-3Å	Comments
1	1607 1616	1.4×10^{-2}	1.06×10^{-3}	1.3×10^{-5}	
6	1007 1016	7.7×10^{-3}	6.7×10^{-4}	1.3×10^{-5}	
9	1351 1402	4.8×10^{-3}	3.8×10^{-4}	5.0×10^{-6}	
14	1455 1506	6.6×10^{-3}	1.3×10^{-3}	2.0×10^{-5}	Flux increasing
15	1942 1948	8.3×10^{-3}	6.2×10^{-4}	8.3×10^{-6}	
16	0653 0702	2.4×10^{-3}	6.8×10^{-5}	5.0×10^{-6}	
18	0738 0749	3.6×10^{-2}	5.2×10^{-3}	7.6×10^{-5}	
20	1340 1353	5.5×10^{-3}	8.2×10^{-4}	2.6×10^{-5}	
23	1025 1033	1.05×10^{-2}	3.5×10^{-4}	1.4×10^{-5}	Flux decreasing
25	0736 0748	1.03×10^{-2}	8.2×10^{-4}	1.1×10^{-5}	
	0923 0933	8.2×10^{-3}	7.5×10^{-4}	9.9×10^{-6}	
	1626 1636	2.5×10^{-2}	2.5×10^{-3}	3.3×10^{-5}	
26	1555 1607	1.2×10^{-2}	1.02×10^{-3}	1.4×10^{-5}	
27	1524 1538	8.4×10^{-3}	8.1×10^{-4}	5.2×10^{-6}	Flux decreasing
28	1310 1325	1.2×10^{-2}	1.2×10^{-3}	1.9×10^{-5}	

Daily Average Flux			
Date	44-60Å	8-20Å	0-8Å
1	1.23×10^{-1}	5.4×10^{-3}	1.6×10^{-4}
2	1.12×10^{-1}	4.1×10^{-3}	1.15×10^{-4}
3	1.06×10^{-1}	3.5×10^{-3}	1.15×10^{-4}
4	1.07×10^{-1}	3.6×10^{-3}	1.13×10^{-4}
5	1.05×10^{-1}	3.0×10^{-3}	9.4×10^{-5}
6	1.11×10^{-1}	3.8×10^{-3}	1.2×10^{-4}
7	1.01×10^{-1}	3.2×10^{-3}	9.2×10^{-5}
8	1.02×10^{-1}	3.1×10^{-3}	9.6×10^{-5}
9	1.05×10^{-1}	3.4×10^{-3}	1.00×10^{-4}
10	1.01×10^{-1}	2.9×10^{-3}	9.0×10^{-5}
11	1.00×10^{-1}	3.1×10^{-3}	8.5×10^{-5}
12	1.01×10^{-1}	3.2×10^{-3}	1.08×10^{-4}
13	1.00×10^{-1}	3.1×10^{-3}	1.14×10^{-4}
14	1.04×10^{-1}	3.4×10^{-3}	1.4×10^{-4}
15	0.93×10^{-1}	2.5×10^{-3}	7.9×10^{-5}
16	0.96×10^{-1}	2.8×10^{-3}	6.8×10^{-5}
17	1.03×10^{-1}	3.2×10^{-3}	6.7×10^{-5}
18	1.02×10^{-1}	3.4×10^{-3}	6.5×10^{-5}
19	0.96×10^{-1}	2.6×10^{-3}	5.8×10^{-5}
20	1.02×10^{-1}	2.9×10^{-3}	9.2×10^{-5}
21	0.88×10^{-1}	2.3×10^{-3}	8.4×10^{-5}
22	0.84×10^{-1}	2.4×10^{-3}	8.2×10^{-5}
23	1.15×10^{-1}	3.6×10^{-3}	1.2×10^{-4}
24	1.16×10^{-1}	4.4×10^{-3}	1.3×10^{-4}
25	1.37×10^{-1}	7.2×10^{-3}	2.4×10^{-4}
26	1.07×10^{-1}	4.0×10^{-3}	1.04×10^{-4}
27	1.11×10^{-1}	5.1×10^{-3}	1.17×10^{-4}
28	1.07×10^{-1}	4.2×10^{-3}	1.4×10^{-4}
29	1.16×10^{-1}	4.9×10^{-3}	1.4×10^{-4}
30	1.24×10^{-1}	5.7×10^{-3}	1.9×10^{-4}

Observing Times

1	1052	1100	8 (cont'd)	1609	1619	16	653	702	23 (cont'd)	1025	1033
	1233	1247		1755	1808		835	848		1214	1221
	1418	1431		1938	1953		1021	1032		1355	1410
	1607	1616		2124	2134		1208	1213		1542	1554
	1753	1803					1355	1405		1726	1733
	1942	1952	9	838	846		1540	1554			
	2122	2138		1018	1033		1723	1738	24	626	634
	2308	2318		1203	1217		1911	1919		807	818
				1351	1402					954	1003
2	1024	1029		1538	1549	17	626	632		1141	1151
	1203	1216		1724	1738		805	818		1326	1339
	1347	1359		1908	1924		950	1003		1509	1525
	1535	1546					1138	1148		1655	1705
	2052	2108	10	810	815		1325	1335			
	2240	2250		949	1002		1509	1524	25	549	604
				1133	1147		1653	1709		736	748
3	1133	1145		1321	1331		1840	1851		923	933
	1317	1331		1510	1519					1111	1120
	1505	1515		1654	1707	18	738	749		1255	1309
	1655	1703		1838	1854		920	943		1439	1455
	1839	1851		2023	2036		1108	1117		1626	1636
	2023	2038					1255	1305			
	2207	2220	11	921	933		1439	1453	26	523	534
				1104	1117		1623	1639		706	719
4	1104	1117		1251	1302		1809	1822		854	902
	1248	1302		1438	1449					1044	1050
	1435	1446		1626	1637	19	705	719		1226	1238
	1622	1631		1809	1824		850	903		1410	1425
	1808	1821		1953	2006		1037	1048		1555	1607
	1952	2009					1225	1234			
	2137	2152	12	850	903		1410	1422	27	453	504
				1034	1047		1554	1609		635	648
5	1034	1047		1221	1232		1739	1752		823	833
	1218	1232		1408	1418					1010	1020
	1404	1416		1554	1606	20	642	648		1156	1209
	1552	1602		1738	1754		822	833		1340	1355
	1738	1751		1923	1937		1007	1018		1524	1538
	1923	1938					1155	1204			
	2107	2122	13	820	833		1340	1353	28	430	434
				1004	1018		1524	1540		611	619
6	1007	1016		1151	1202		1709	1723		754	803
	1148	1203		1338	1348					940	949
	1334	1347		1524	1537	21	600	600		1126	1138
	1523	1532		1708	1724		754	803		1310	1325
	1709	1720		1853	1908		938	948		1457	1508
	1852	1909					1125	1133			
	2037	2052	14	753	802		1310	1322	29	541	549
				934	948		1455	1510		722	733
7	936	947		1120	1132		1639	1653		911	918
	1118	1132		1309	1318					1056	1108
	1304	1317		1455	1506	22	537	549		1239	1255
	1452	1502		1639	1654		721	731		1424	1438
	1637	1650		1823	1837		907	918			
	1823	1838	15	724	733		1055	1103	30	512	519
	2008	2022		905	918		1241	1252		653	703
	2154	2202		1050	1103		1424	1440		840	849
				1238	1248		1609	1624		1025	1037
8	909	916		1425	1436					1210	1225
	1049	1103		1609	1624	23	515	518		1354	1410
	1235	1247		1753	1808		655	704			
	1422	1432		1942	1948		836	848			

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SOLAR RADIATION MONITORING SATELLITE
X-RAY

NRL

MARCH 1966

OUTSTANDING EVENTS

Date	Time	8-20 Å	0-8 Å	0-3 Å	
1	1527-1544	1.3×10^{-2}	1.4×10^{-3}	2.2×10^{-5}	flux decreasing
2	0005-0020	1.9×10^{-2}	1.7×10^{-3}	1.6×10^{-5}	
15	1537-1547	$>1.2 \times 10^{-2}$	1.2×10^{-3}	4.0×10^{-5}	flux decreasing
	1908-1923	$>1.0 \times 10^{-2}$	0.9×10^{-3}	1.5×10^{-5}	flux decreasing
16	0949-1002	2.9×10^{-2}	3.2×10^{-3}	2.2×10^{-5}	
	1507-1517	1.3×10^{-2}	1.2×10^{-3}	1.5×10^{-5}	flux increasing
17	0921-0929	1.3×10^{-2}	1.2×10^{-3}	1.8×10^{-5}	
	1249-1302	3.7×10^{-2}	4.1×10^{-3}	4.6×10^{-5}	flux decreasing
	1808-1823	3.3×10^{-2}	2.9×10^{-3}	$<1.0 \times 10^{-5}$	
20	1119-1133	$>3.9 \times 10^{-2}$	5.0×10^{-3}	3.7×10^{-5}	
	2009-2020	$>3.9 \times 10^{-2}$	7.7×10^{-3}	1.2×10^{-4}	flux decreasing
21	0908-0919	$>3.9 \times 10^{-2}$	4.8×10^{-3}	5.3×10^{-5}	
	1050-1104	$>3.9 \times 10^{-2}$	3.4×10^{-3}	1.6×10^{-5}	
	1609-1624	4.2×10^{-2}	3.8×10^{-3}	4.4×10^{-5}	flux decreasing
29	1024-1036	3.6×10^{-2}	2.3×10^{-3}	1.8×10^{-5}	flux decreasing
	1212-1222	3.7×10^{-2}	3.3×10^{-3}	3.4×10^{-5}	flux decreasing
	1727-1739	2.6×10^{-2}	2.3×10^{-3}	2.6×10^{-5}	
30	1144-1152	2.2×10^{-2}	2.2×10^{-3}	2.8×10^{-5}	
	1327-1341	$>3.9 \times 10^{-2}$	$>10.8 \times 10^{-3}$	$>1.5 \times 10^{-4}$	

DAILY AVERAGE FLUX

Date	44-60 Å	8-20 Å	0-8 Å
1	1.4×10^{-1}	1.0×10^{-2}	1.0×10^{-3}
2	-	0.3×10^{-2}	0.1×10^{-3}
3	0.5×10^{-1}	0.1×10^{-2}	$<1 \times 10^{-5}$
4	0.5×10^{-1}	0.1×10^{-2}	$<1 \times 10^{-5}$
5	0.5×10^{-1}	0.05×10^{-2}	$<1 \times 10^{-5}$
6	0.5×10^{-1}	0.1×10^{-2}	$<1 \times 10^{-5}$
7	0.5×10^{-1}	0.05×10^{-2}	$<1 \times 10^{-5}$
8	0.5×10^{-1}	0.05×10^{-2}	$<1 \times 10^{-5}$
9	0.6×10^{-1}	0.1×10^{-2}	$<1 \times 10^{-5}$
10	0.6×10^{-1}	0.1×10^{-2}	$<1 \times 10^{-5}$
11	0.6×10^{-1}	0.1×10^{-2}	$<1 \times 10^{-5}$
12	0.6×10^{-1}	0.1×10^{-2}	$<1 \times 10^{-5}$
13	0.8×10^{-1}	0.4×10^{-2}	0.2×10^{-3}
14	1.0×10^{-1}	0.55×10^{-2}	0.3×10^{-3}
15	1.3×10^{-1}	1.05×10^{-2}	0.8×10^{-3}
16	-	1.3×10^{-2}	0.8×10^{-3}
17	1.4×10^{-1}	1.2×10^{-2}	0.9×10^{-3}
18	-	1.6×10^{-2}	1.1×10^{-3}
19	-	1.4×10^{-2}	0.75×10^{-3}
20	-	2.1×10^{-2}	1.3×10^{-3}
21	-	2.1×10^{-2}	1.3×10^{-3}
22	-	1.0×10^{-2}	0.5×10^{-3}
23	1.0×10^{-1}	0.5×10^{-2}	0.3×10^{-3}
24	1.1×10^{-1}	0.6×10^{-2}	0.4×10^{-3}
25	1.0×10^{-1}	0.5×10^{-2}	0.4×10^{-3}
26	1.0×10^{-1}	0.5×10^{-2}	0.4×10^{-3}
27	1.2×10^{-1}	0.65×10^{-2}	0.4×10^{-3}
28	1.4×10^{-1}	1.3×10^{-2}	0.8×10^{-3}
29	-	2.0×10^{-2}	1.4×10^{-3}
30	-	1.4×10^{-2}	0.8×10^{-3}
31	-	2.2×10^{-2}	1.6×10^{-3}

Observing Times

1	0838	0853	7	1235	1244	13	1301	1317	21	1609	1624
	1347	1359		1415	1430		1453	1501		1754	1810
	1527	1545		1602	1615		1822	1836		1939	1951
	1716	1746		1751	1801		2152	2240			
	1903	1914		1936	1947				22	0834	0849
	2051	2102		2305	2319	14	1231	1247		1909	1922
	2222	2250					1418	1432			
			8	1202	1216		2122	2135	23	1324	1335
2	0005	0020		1345	1401					1511	1523
	1833	1859		1531	1545	15	1537	1547		1654	1710
	1937	1949		1720	1731		2052	2106		1839	1854
	2021	2032									
	2152	2220	9	1135	1146	16	1132	1148	24	1105	1119
	2350	0005		1315	1331		1507	1517		1440	1453
				1501	1515		1653	1706		1625	1641
3	1248	1259		1650	1700		2031	2037		1810	1824
	1614	1630		2021	2036						
	1802	1814		2206	2221	17	0921	0929	25	1227	1235
	1908	1918					1102	1118			
	1950	2001	10	1103	1116		1624	1635	26	1154	1205
	2135	2150		1247	1302		1808	1823		1712	1725
	2319	2336		1432	1446		1952	2007			
				1623	1631				27	1124	1135
4	0105	0116		1951	2006	18	1032	1048		1455	1511
	1545	1558		2136	2151		1406	1418		1640	1656
	1733	1744					1554	1605		1826	1836
	2250	2305	11	1035	1046		1923	1938			
				1217	1232		2110	2116	28	1611	1626
5	0035	0047		1401	1416					1756	1807
	1330	1346		1549	1601	19	1003	1019			
	1514	1532		1737	1748		1148	1203	29	1212	1222
	1852	1901		1922	1936		1336	1348		1541	1556
	2036	2049		2106	2122		1524	1535		1727	1739
	2220	2236		2251	2320		1708	1724			
							1854	1909	30	0955	1007
6	0006	0018	12	1146	1202		2039	2049		1144	1152
	1445	1500		1332	1346					1327	1341
	1635	1645		1520	1531	20	0936	0949		1656	1710
	1820	1831		1707	1718		1307	1318			
	2006	2019		2038	2052		1454	1505	31	1257	1311
	2150	2206		2222	2233		1824	1839		1443	1458
	2335	2349					2009	2020		1626	1641

SOLAR RADIATION MONITORING SATELLITE
X-RAY

NRL

JUNE 1964

Daily Average X-Ray Flux			
Date	44-60Å	8-12Å	0-8Å
8	2.4×10^{-2}	$<1.1 \times 10^{-3}$	$< 8 \times 10^{-4}$
9	2.3×10^{-2}	$< 4 \times 10^{-4}$	$< 3 \times 10^{-4}$
10	2.7×10^{-2}	$< 2 \times 10^{-4}$	$< 2 \times 10^{-4}$
11	3.1×10^{-2}	$<1.4 \times 10^{-4}$	$<1.5 \times 10^{-4}$
12	3.0×10^{-2}	$<1.2 \times 10^{-4}$	$<1.3 \times 10^{-4}$
13	3.1×10^{-2}	$<1.1 \times 10^{-4}$	$<1.2 \times 10^{-4}$
14	3.5×10^{-2}	$<1.2 \times 10^{-4}$	$<1.1 \times 10^{-4}$
15	3.6×10^{-2}	8.6×10^{-4}	$<1.4 \times 10^{-4}$
16	3.4×10^{-2}	$< 3 \times 10^{-4}$	$< 2 \times 10^{-4}$
17	2.7×10^{-2}	$<1.1 \times 10^{-3}$	$< 5 \times 10^{-4}$
18	2.6×10^{-2}	$<2.4 \times 10^{-3}$	$<1.5 \times 10^{-3}$
25	2.5×10^{-2}	$<2.4 \times 10^{-3}$	$<1.5 \times 10^{-3}$
26	2.3×10^{-2}	$< 6 \times 10^{-4}$	$< 5 \times 10^{-4}$
27	2.2×10^{-2}	$< 2 \times 10^{-4}$	$<1.5 \times 10^{-4}$
28	2.6×10^{-2}	$<1.6 \times 10^{-4}$	$<1.3 \times 10^{-4}$
29	2.5×10^{-2}	$<1.2 \times 10^{-4}$	$<1.0 \times 10^{-4}$
30	2.5×10^{-2}	$<1.1 \times 10^{-4}$	$<1.0 \times 10^{-4}$

Outstanding Events					
Date	Time of Observation	44-60A	8-12A	0-8A	Comments
13	2242 2308	3.3×10^{-2}	7.7×10^{-4}	6.5×10^{-4}	
14	0040 0047	3.9×10^{-2}	1.1×10^{-3}	7.4×10^{-4}	

The above values are revisions of data published in CRPL-F, Part B, issued September, 1964.

Observing Times												
8	0146	0201	12	0017	0035	16	0051	0114	26 (cont'd)	2122	2151
	0309	0350		0200	0223		0230	0316		2307	2323
	0501	0517		0338	0426		0416	0459			
	0637	0703		0526	0553		0541	0557	27	0039	0108
	0802	0816		0650	0706		0614	0637		0124	0138
	0932	0904		0723	0753		0727	0742		0226	0252
	1020	1104		0837	0850		0801	0843		0350	0407
	1215	1230		0910	0953		0957	1030		0426	0451
	1404	1415		1106	1122		1143	1200		0539	0550
	1552	1604		1254	1309		1332	1348		0611	0633
	1846	1901		1441	1457		1520	1535		0808	0823
	2030	2045		1929	1934		1813	1829		0943	1009
	2115	2131		2007	2022		1858	1912		1142	1153
	2154	2207		2046	2057		2000	2015		1745	1757
	2219	2231		2153	2206		2043	2059		1930	1952
	2303	2317		2230	2259		2120	2202		1959	2012
	2342	0006					2317	2352		2127	2148
			13	0030	0046					2309	2332
9	0139	0155		0216	0232	17	0100	0141			
	0314	0359		0347	0435		0248	0303	28	0048	0117
	0457	0544		0515	0527		0426	0454		0214	0228
	0656	0721		0537	0547		0550	0605		0237	0303
	0808	0824		0605	0610		0623	0653		0400	0416
	0842	0913		0700	0715		0811	0854		0433	0503
	1030	1112		0733	0803		0957	1038		0636	0653
	1218	1243		0920	1003		1341	1357		0806	0823
	1401	1428		1103	1148		1528	1541		0952	1017
	1547	1616		1252	1318		1906	1922		1139	1205
	2124	2140		1438	1506		1945	1957		1445	1501
	2205	2230		1747	1759		2130	2159		1633	1645
	2313	2325		1931	1947		2328	2346		1754	1807
	2350	0006		2015	2029					1819	1834
				2053	2134	18	0116	0132		1953	2032
10	0003	0031		2203	2216		0248	0317		2135	2212
	0142	0159		2242	2308		0415	0427		2313	2336
	0329	0345	14	0035	0111		0437	0500		2343	2359
	0506	0552		0214	0241		0633	0702			
	0705	0732		0357	0426		0820	0903	29	0057	0144
	0818	0833		0556	0621		1016	1031		0223	0238
	0955	0922		0742	0813		1338	1352		0256	0312
	1054	1122		0929	1012		1647	1701		0409	0425
	1235	1251		1145	1156		1831	1847		0442	0513
	1411	1437		1313	1328		1955	2008		0629	0657
	1609	1624		1448	1515					0816	0832
	1949	2002		2024	2040	25	1602	1620		1015	1028
	2132	2150		2118	2129		1650	1703		1803	1817
	2212	2242		2213	2225		1751	1806		1829	1845
				2254	2332		1834	1850		1950	2032
11	0002	0042					1911	1953		2142	2202
	0151	0231	15	0048	0104		2102	2142		2322	2351
	0330	0360		0222	0250		2252	2329			
	0515	0544		0419	0435	26	0030	0054	30	0108	0136
	0641	0657		0533	0548		0104	0118		0232	0248
	0714	0742		0605	0621		0217	0300		0305	0333
	0901	0931		0718	0734		0341	0358		0418	0433
	1057	1130		0752	0822		0415	0444		0452	0524
	1244	1301		0938	1010		0527	0542		0638	0711
	1432	1442		1135	1151		0601	0634		0835	0851
	1728	1742		1509	1524		0748	0819		1024	1034
	1913	1929		1850	1903		0944	1000		1320	1334
	1958	2012		2035	2046		1132	1147		1504	1520
	2100	2114		2121	2141		1429	1443		1650	1704
	2143	2158		2310	2342		1612	1628		1811	1854
	2220	2302					1800	1815		2007	2042
							1920	2003		2153	2211
										2340	2354

IONOSPHERIC EFFECTS OF SOLAR FLARES

SHORT WAVE RADIO FADEOUTS — SUDDEN PHASE ANOMALIES
SUDDEN COSMIC NOISE ABSORPTION — SUDDEN ENHANCEMENTS OF SIGNAL
SUDDEN ENHANCEMENTS OF ATMOSPHERICS — SUDDEN FREQUENCY DEVIATIONS
SOLAR NOISE BURSTS AT 18 Mc/s

JUNE 1966

JUNE 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
02	0411	0423	0414	1	S 1-								MA	0412
02	0412	0507	0443	1				1					MA	
02	1422	1425		5								1	BO RO	1422
02	1859	1904		1								1+	BO	1859
04	1319	1322		1								1	BO	1301
06	0907	0912		5								1	MA RO	0840E
07	2008	2018	2012	1					36				MA(NPG18-36)	
07	2245	2257		5								1+	BO HA	
07	2257	2340	2302	5		11	1						BO HA	
09	2206	2213		5								1+	BO HA	
11	2030	2120	2033	1					10				HA(WWVB60-10,WWVL20-3)	2028
11	2100	2102		5								1	BO HA	2057
11	2108	2111		5								1	BO HA	
11	2345	2346		5								1	BO HA MA	2345
11	2348	2352		5								1	BO HA MA	
11	2349	2352		1							03		BO(WWI9-0.3)	
11	2350	0100	2352	1					15				HA(WWVB60-15,WWVL20-7)	2348
12	0040	0042		1								1	HA	
12	0045	0048		1								1	MA	
12	0122	0124		1								1	BO	
12	1601	1605	1602	1							20		BO(WWV10-2.0)	1601
12	1601	1648	1603	1						1-			A3	1600
12	1602	1630	1607	1						1			UM	
12	1602	1645	1612	1				1					A3	
12	1602	1700	1605	5					32				UM(GBZ19-32,NBA24-22) HA(WWVL20-7)	
12	1603	1627	1606	5	S 1								MC BE HU	
12	2031	2048	2035	1						1-			A3	2032
12	2032	2035	2033	1							45		BO(WWV10-4.5)	
12	2033	2040D	2040	1				1-					A3	
12	2035	2155	2039	1					21				HA(WWVB60-21, WWVL20-14)	
12	2038	2140	2042	1	S 1								MC	
13	0010	0020	0015	1					12				MA(NPG18-12)	0010
13	0102	0130	0113	1					15				MA(NPG18-15)	
13	0255	0317	0303	1					15				MA(NPG18-15)	0238
13	0257	0310	0303	4	S 1-								MA OK	
13	0658	0744	0719	1					25				MA(NPG18-25)	0644
13	1741	1743		1								1	BO	1738
13	1849	1906	1851	1		14	1						BO	1830
13	1913	1915		1								1	BO	
13	1913	1930	1920	1		8	1						BO	
13	2253	2255		5								1	BO HA	2254
13	2315	2317		1								1	MA	
13	2345	2349		5								1	BO HA	
14	0006	0008		5								1	HA BO	
14	0026	0029		1								1	HA	0020
14	0034	0036		1								1	HA	0'
14	0122	0123		5								1	HA MA	
14	0209	0210		5								1	HA MA	
14	1444	1447		1								1	BO	1433
14	1447	1451		1								1	BO	
15	1922	1923		5								1	HA BO	1920
19	2004	2005		5								1	HA BO	
20	0425	0445	0436	1					10				MA(NPG18-10)	
20	1247	1250		1								1	RO	1247E
21	0106	0110		5								1	MA RO	0101
21	2306	2312		1								1	MA	
21	2306	2328	2312	1		3	1						MA	
23	0200	0207	0201	1	S 1-								MA	0201
23	0200	0214	0204	1					11				MA(NPG18-11)	
24	1952	2115	2010	1				1+					A19	
24	1955	2115	1958	2						1			A1 A18	
24	1956	2145	2007	1				3					A1	
25	0634	0655	0644	1					10				MA(NPG18-10)	
25	1527	1544	1534								40		BO(WWI9-4.0)	
25	1528	1655	1650	5	S 3								BE FM HU MC TR BA	1523
25	1532	1655	1539	1				2-					A3	
25	1533	1645	1546	5						3			UM A3	
25	1535	1700	1550	5					99				SL(GBZ19-115) UM(GBZ19-85,NBA24-52)	
25	1536	1543		1								2	BO	
25	1539	1545		1								2	RO	
25	1540	1602	1554	1								1	AN	
25	1543	1550		1								2	BO	
27	0220	0225	0220	1								1	AN	0219E
30	0227	0249	0232	4	SL 1+								MA OK	0227
30	0227	0250	0230	1					23				MA(NPG18-23)	
30	0636	0655	0638	1					16				MA(NPG18-16)	0635
30	0718	0805	0741	1				2					MA	0718

RIOMETER EVENTS

GREAT WHALE RIVER

JUNE 1966

30 Mc/s

JUNE 1966	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS	JUNE 1966	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS
02	1038	2156	1228	15	3	17		0050		7	3
03	0112	1712	0434	4	3	17	0300	0918	0337	6	6
03	1940	2324	2033	8	1	17	1344	1610	1436	3	1
04	0133	0600	0234	12	2	17	2134	2347	2238	7	1
04	2342					18	0215	1100	0336	6	5
05		0900	0239	14	4	20	0321	1116	0538	10	4
06	0147	0840	0243	10	5	21	0108	1149	0932	7	6
07	0307	1844	0312	16	7	22	0000	0000	0000	0	0
08	0402	1400	1039	18	3	24	0018	0257	0126	15	1
10	2112	2350	2300	6	1	24	2030	2248	2207	13	1
11	0429	*	0926	9	6	25	0100	2100	0130	64	10
12	0318	2300	1532	14	5	26	1319	2240	1646	26	4
13	0250	1512	1158	14	5	28	*	2216	2132	20	2
14	0046	1412	0936	19	2	29	2039				
16	1547		2146			01		1348	0401	38	14

* TIME NOT KNOWN DUE TO EQUIPMENT FAILURE OR OTHER CAUSE.

THIS TABULATION SHOWS ALL EVENTS STARTING ON ANY DAY OF THIS MONTH.
SEE PREVIOUS MONTH TABLE FOR EVENTS WHICH MAY NOT HAVE ENDED BY THE FIRST DAY OF THIS MONTH.
MAX IS THE TIME OF EVENT MAXIMUM.
ABS IS ABSORPTION.
PKS IS PEAKS.

NO DATA ZEROS FOR ALL VALUES OF A DAY.

SOLAR RADIO EMISSION

OUTSTANDING OCCURRENCES

JULY 1966

DATE	FREQUENCY	STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} Wm^{-2} (c/s)^{-1}$		INT.	REMARKS
				UT	UT	MINUTES	PEAK	MEAN		
1	2800	OTTA	20	2245	2310	120	1.8	0.9		
4	2800	OTTA	20	1920	2000	195	2.2	1.1		
5	2800	OTTA	31	2100	2150	65	-2.6	-1.3		
	2800	OTTA	1	2238	2240	5	1.2	0.6		
6	8800	SGMR	20	1154	1304	98	20.4	10.0		
	4995	SGMR	20	1154	1304	96	7.0	3.5		
	2695	SGMR	20	1154	1322	106	5.4	2.5		
	8800	SGMR	3	1301	1303.8	4.5	17.0	4.2		
	8800	SGMR	41	1351.5	1351.7	5.5	8.5	2.2		
	4995	SGMR	20	1340	1413	27	7.0	3.5		
	2695	SGMR	20	1355	1438	75	4.8	2.4		
	10700	PENN	1	1400	1403.8	1.1D	34.0	17.0		
	8800	SGMR	3	1412.5	1413.4	1.8	13.6	4.3		
	4995	SGMR	1	1412.5	1413.3	1.8	5.3	1.5		
	10700	PENN	1	1451.2	1451.5	2	7.2	3.6		
	10700	PENN	1	1454.4	1455	1.4	7.2	3.6		
	2700	PENN	1	1454.6	1455.1	1.3	1.5	.7		
	10700	PENN	1	1512.4	1513.2	1.5	4.9	2.4		
	8800	SGMR	1	1545.9	1546	.6	6.7	1.5		
	8800	SGMR	20	1545	1550	22	3.4	1.6		
	2695	SGMR	20	1545	1550	22	2.4	1.2		
	2695	SGMR	1	1545.3	1545.7	.9	1.8	.4		
	8800	SGMR	1	1548.1	1548.2	.4	6.7	1.5		
	2695	SGMR	1	1548.2	1548.9	1.1	2.4	.6		
	606	SGMR	41	1717.5	1718	.6	53.9	8.0		
	8800	SGMR	20	1755	1833.5	64	34.5	8.0		
	8800	SGMR	20	1909	1914.6	23	6.9	1.0		
	8800	SGMR	20	1937	1939.5	30	17.3	4.0		
	8800	SGMR	20	2009	2031.2	53	34.5	8.0		
	10700	PENN	1	2115.6	2117.2	2.2	7.3	3.7		
	2700	PENN	20	2115	2148.8	54	1.4	1.2U		
	10700	PENN	3	2130	2131.1	12.4	31.8	15.6		
	8800	SGMR	3	2131.5	2132	5.5	12.1	3.0		
	10700	PENN	3	2149	2150	3.4	14.7	7.3		
	8800	SGMR	20	2150	2151.6	24	27.6	6.0		
	10700	PENN	3	2216.6	2217.5	12.2	19.6	9.8		
	8800	SGMR	20	2216	2228.4	30	20.7	5.0		
	10700	PENN	3	2231	2231.7	1.8	14.7	7.3		
	10700	PENN	3	2250.2	2251.4	24	53.8	26.2		
	2800	OTTA	20	2245	2300	100	2.6	1.5		
	10700	PENN	3	2324.6	2328.2	12.2	29.4	14.7		
7	2800	OTTA	47	0025.9	0038	90 D	2650.0			
				0025.9	0038	33.5	2650.0			
				0059.5	0103	13	680.0			
				0112.5	0120	37	770.0			
	2800	OTTA	20	1140	1240	120	3.0	1.5		
	10700	PENN	40	1714.5	1716.3	9.4	10.0	5.0		
	10700	PENN	3	1725.3	1725.8	.7	14.9	7.5		
	8800	SGMR	3	1755	1756.9	3	34.3	20.0		
	10700	PENN	3	1834.8	1735.4	1.8	10.1	5.1		
	10700	PENN	3	1856.5	1857	1.6	25.4	12.7		
	8800	SGMR	20	1932	1937	8	5.0	3.0		
	2700	PENN	3	1941.9	1942.7	2.2	8.7	7.7		
	606	SGMR	41	2142.6	2144.4	3.4	61.1	5.6		
8	2800	OTTA	21		0050	115 D	8.0			
	2800	OTTA	4	0025	0033.8	20	38.0	9.0		
	8800	SGMR	3	1149.5	1150.3	2.5	9.8	2.9		
	8800	SGMR	45	1212.5	1213.7	2.6	57.4	41.2		
	4995	SGMR	3	1213.1	1214.6	2.2	9.7	5.0		
	8800	SGMR	29	1215.1	1215.1	21.6	26.3	13.2		
	4995	SGMR	29	1215.3	1215.3	21.5	3.6	1.8		
	8800	SGMR	4	1236.7	1239	4	92.3	74.6		
	4995	SGMR	3	1236.8	1239.1	4	37.2	30.5		
	2800	OTTA	20	1237	1244	155	8.6	4.3		
	2695	SGMR	3	1237.1	1243.4	3.8	9.2	7.6		
	1415	SGMR	1	1242.5	1242.7	.3	1.5	.6		

SOLAR RADIO EMISSION

OUTSTANDING OCCURRENCES

JULY 1966

DATE	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} (c/s)$^{-1}$ PEAK	FLUX DENSITY MEAN	INT.	REMARKS
	8800	SGMR	29	1240.7	1240.7	113	52.5	26.0		
	4995	SGMR	29	1240.8	1240.8	110	25.0	12.5		
	2695	SGMR	29	1240.9	1240.9	146	8.0	4.0		
	606	SGMR	41	1253.5	1256.6	3.2	2.0	.6		
	10700	PENN	3	1312.4	1313.7	9.1U	68.5	48.4		
	10700	PENN	5	1337	1339	28 D	83.2			
	10700	PENN	20	1337.5	1405 U	28 D				
	10700	PENN	3	1706.8	1716.9	6.2	254.0	64.0		
	8800	SGMR	U	1654	1716 U	88	38.9D	U		OFF SUN
	4995	SGMR	U	1654	1716 U	64	23.9D	U		OFF SUN
	2695	SGMR	U	U	1716 U	31 D	31.0D	U		OFF SUN
	2800	OTTA	3	1709.5	1711.5	4.5	14.4	7.2		
	2700	PENN	3	1709	1710.5	4	14.0	6.0		
	10700	PENN	29	1713	1713.7	48	54.0	27.0		
	2700	PENN	29	1713	1713.7	50	2.2	1.2		
	2800	OTTA	29	1714		106	4.8	2.4		
	8800	SGMR	20	2100	2103.7	48	27.0	4.0		
	4995	SGMR	20	2048.9	2103.5	42	17.8	3.0		
	2695	SGMR	20	2047	2110	43	6.0	1.0		
	2800	OTTA	22	2135	2145	40	1.6	0.8		
	2800	OTTA	24	2220		20	5.6			
	8800	SGMR	3	2227	2230	5	23.7	4.0		
	4995	SGMR	3	2227	2230.5	5	17.4	3.0		
9	2800	OTTA	26	1100		220	7.2			
	4995	SGMR	20	1714	1723.5	22	7.7	3.5		
	2695	SGMR	20	1714	1723.6	23	4.8	2.4		
	1415	SGMR	20	1714	1728	44	3.2	1.5		
	606	SGMR	20	1714	1757	186	1.2	.6		
10	2800	OTTA	20	0045	0110	70 D	6.2			
	8800	SGMR	23	1141	1218	121	14.8	7.0		
	4995	SGMR	23	1142	1148	103	22.3	11.0		
	2695	SGMR	23	1142.8	1151	126	8.5	4.5		
	8800	SGMR	3	1144.5	1146.5	3.5	18.5	6.2		
	4995	SGMR	3	1145	1146.5	3	20.3	6.5		
	2800	OTTA	20	1144	1146	136	9.0	4.5		
	2695	SGMR	2	1144.8	1146.5	5.2	6.7	3.0		
	328	PENN	5	1342	1342.5	3.6	92.0	28.0		
	10700	PENN	3	1620	1629.3	8	147.0	71.0		CALIBRATION
	2800	OTTA	4	1630	1631	7	9.0	4.5		
	2700	PENN	20	1625	1629.4	75	11.5	6.0		
	8800	SGMR	U	1627 U	1638 U	178 D	25.0D	U		OFF SUN
	4995	SGMR	U	1627 U	1638 U	124 D	15.0D	U		OFF SUN
	2800	OTTA	21	1627	1637	153	8.2	4.1		
	2695	SGMR	U	1627 U	1638 U	122 D	10.0D	U		OFF SUN
	1415	SGMR	U	1627 U	1638 U	33 D	2.0D	U		OFF SUN
	10700	PENN	29	1634	1634	58	40.6	20.3		
	8800	SGMR	20	1936	2008	78	8.5	3.5		
	4995	SGMR	20	1939	2026	70	7.5	3.7		
	2800	OTTA	20	1930	1950	90	3.6	1.8		
	2800	OTTA	31	2100	2245	140	-3.2	-1.6		
11	606	SGMR	4	0927.8	0929.3	4	28.1	6.2		
	2800	OTTA	20	1925	1940	105	1.4	0.7		
12	1415	SGMR	40	1059	1102.2	4	3.1	.5		
	606	SGMR	40	1059	1102	4	11.7	2.5		
	2800	OTTA	31	1155	1231	38	-1.6	-0.8		
	2800	OTTA	1	1236	1238	4	1.8	0.9		
	2700	PENN	20	1232	1237.6	57	4.3	2.2		
	2800	OTTA	21	1755	1810	100	2.2	1.1		
	2700	PENN	20	1745.4	1850.4	33	6.1	3.1		
	2800	OTTA	1	1805.7	1806	1	3.6	1.8		
13	2800	OTTA	20	1610	1650	110	2.8	1.4		
14	328	PENN	5	1809	1810.8	2.6	36.6	9.8		
	328	PENN	5	1828.2	1829.6	2	30.6	13.4		
	328	PENN	5	1834.4	1835.6	2	7.3	3.7		

SOLAR RADIO EMISSION

OUTSTANDING OCCURRENCES

JULY 1966

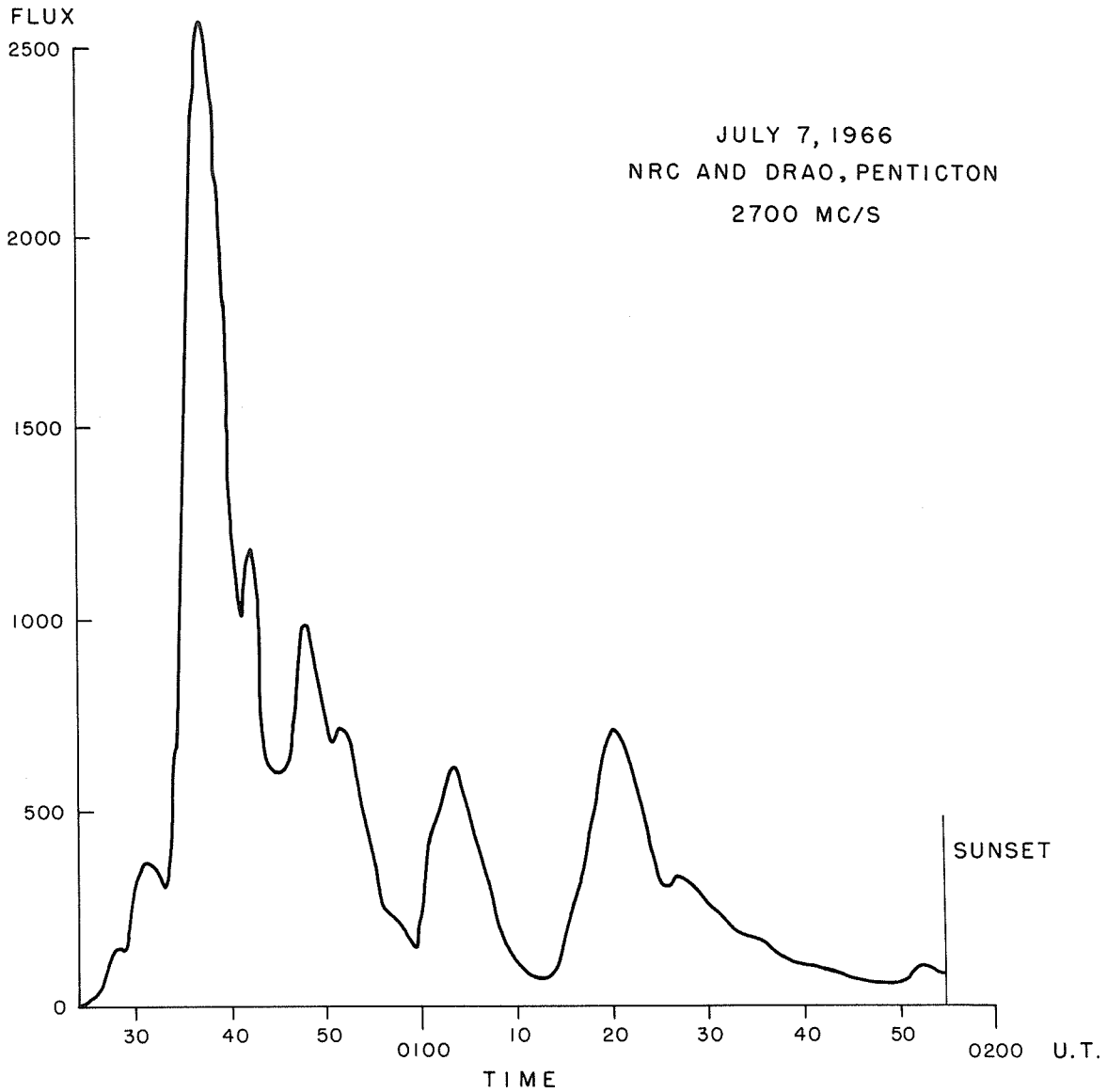
DATE	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} (c/s)$^{-1}$ PEAK	FLUX DENSITY 10^{-22} Wm^{-2} (c/s)$^{-1}$ MEAN	INT.	REMARKS
	2700	PENN		1952.4						CALIBRATION
17	2695	SGMR	4	1247.9	1249.1	2.2	37.9	20.6		
	1415	SGMR	4	1249.5	1249.8	.9	13.2	6.6		
	606	SGMR	4	1249.4	1249.9	1.2	56.8	9.8		
	2695	SGMR	4	1325.5	1325.9	1	94.9	37.8		
	1415	SGMR	4	1325.4	1325.9	1.1	55.6	29.1		
	606	SGMR	4	1325.4	1325.9	1.2	25.6	12.5		
	2700	PENN	3	1348.4	1349.2	3.4	98.0	14.0		
	2700	PENN	3	1425	1425.8	5	116.0	14.0		
	8800	SGMR	20	1931.5	1933	7.5	3.4	1.7		
	4995	SGMR	20	1931.5	1933	7.5	9.0	4.5		
	2695	SGMR	20	1931.5	1933	7.5	4.3	2.1		
	1415	SGMR	20	1931.5	1933	7.5	1.7	.8		
	606	SGMR	40	1931.3	1933	7.7	5.2	1.5		
23	2800	OTTA	1	1419.5	1420	1	5.0	2.5		
	2800	OTTA	1	1537.5	1539	2.5	2.0	1.0		
24	2800	OTTA	1	0148.5	0149	2	1.8	0.9		
	2800	OTTA	1	0150.5	0151	1.5	5.0	2.5		
	2800	OTTA	20	1850	1935	195	3.0	1.5		
25	2800	OTTA	31	1950	2000	20	-2.6	-1.3		
	8800	SGMR	1	1952.9	1953.2	1.9	7.1	3.2		
	4995	SGMR	3	1952.9	1953.1	3	22.3	7.6		
	2800	OTTA	1	1952.5	1953	2	7.0	3.5		
	2695	SGMR	1	1952.9	1953.2	1	5.8	3.0		
26	2800	OTTA	3	0033	0035	3	16.0	9.0		
	2800	OTTA	29	0036		55	4.4	2.2		
	4995	SGMR	1	1158.9	1159.2	1.5	4.2	2.5		
	2800	OTTA	2	1158.5	1159	1.5	7.4	3.7		
	2695	SGMR	3	1158.8	1159.3	1.3	8.9	4.9		
	1415	SGMR	1	1159	1159.2	.8	2.4	1.4		
	606	SGMR	41	1158.5	1159.1	1.5	11.3	1.6		
	2800	OTTA	29	1200		4	1.8	0.9		
	2800	OTTA	1	1237.5	1238	1.5	2.2	1.1		
	2695	SGMR	1	1237.9	1238	.6	3.6	1.6		
	1415	SGMR	1	1237.8	1238	.7	2.4	1.4		
	2800	OTTA	26	1320		200	3.8			
	2695	SGMR	1	1429	1429.2	.4	5.4	3.0		
	1415	SGMR	3	1429	1429.1	.4	8.3	6.2		
	606	SGMR	1	1429	1429.2	.3	4.8	3.0		
27	1415	SGMR	3	1030.5	1031.1	1	8.2	1.5		
	606	SGMR	40	1030.5	1032.8	6.5	6.3	1.0		
	2800	OTTA	1	1855	1855.1	1	7.4	3.7		
	8800	SGMR	1	2012.7	2013.4	3.3	6.7	3.0		
28	2800	OTTA	25	2214		110	16.0			
	10700	PENN	5	2215.6	2220.2	20 D	36.9	18.4D		
	2800	OTTA	46	2214	2218	105	135.0	45.0		
				2214	2218	25	135.0			
				2239	2309	80	103.0			
	2700	PENN	45	2206	2217	20 D	116.0	31.0D		
	1415	SGMR	47	2212.4	2221.5	17.7	1490.0	450.0		
	606	SGMR	47	2214.5	2244.3	54	3155.0	1000.0		
	486	WASH		2217		150 U	80.0D			
	1415	SGMR	29	2230.1	2230.1	70	27.8	13.9		
	1415	SGMR	23	2233.2	2308.9	45	98.6	30.0		
	1415	SGMR	3	2233.8	2234.1	1.3	62.3	20.1		
	606	SGMR	29	2308.5	2308.5	34	134.0	67.0		
30	2800	OTTA	20	1120	1305	200	4.0	2.0		

WASH = Washington State University, Pullman, Washington

SELECTED 2700 Mc/s SOLAR NOISE BURSTS
DRAO-PENTICTON

IVd

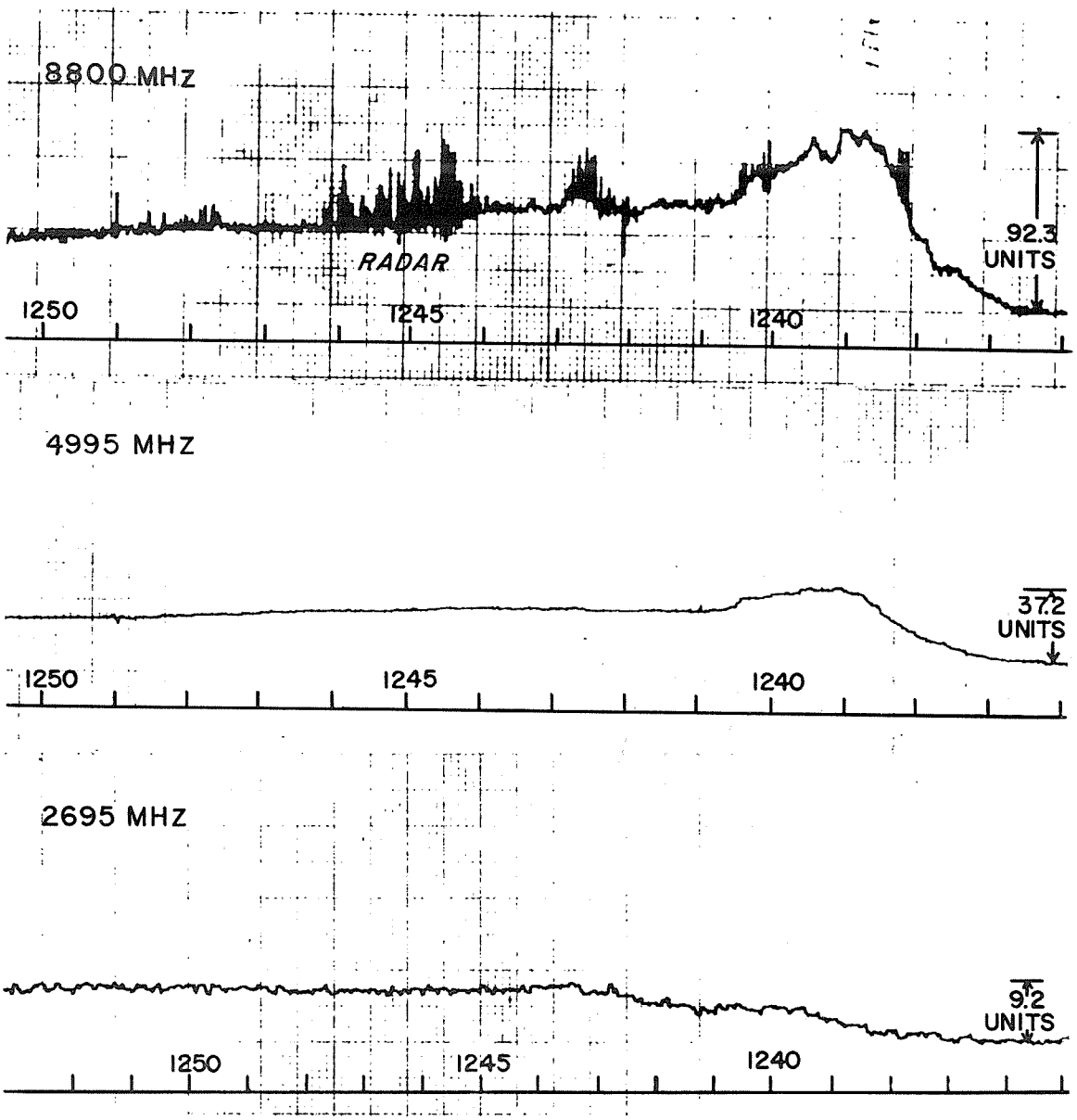
JULY 1966



IVe

SELECTED SOLAR NOISE BURSTS
AFCRL SAGAMORE HILL

JULY 1966



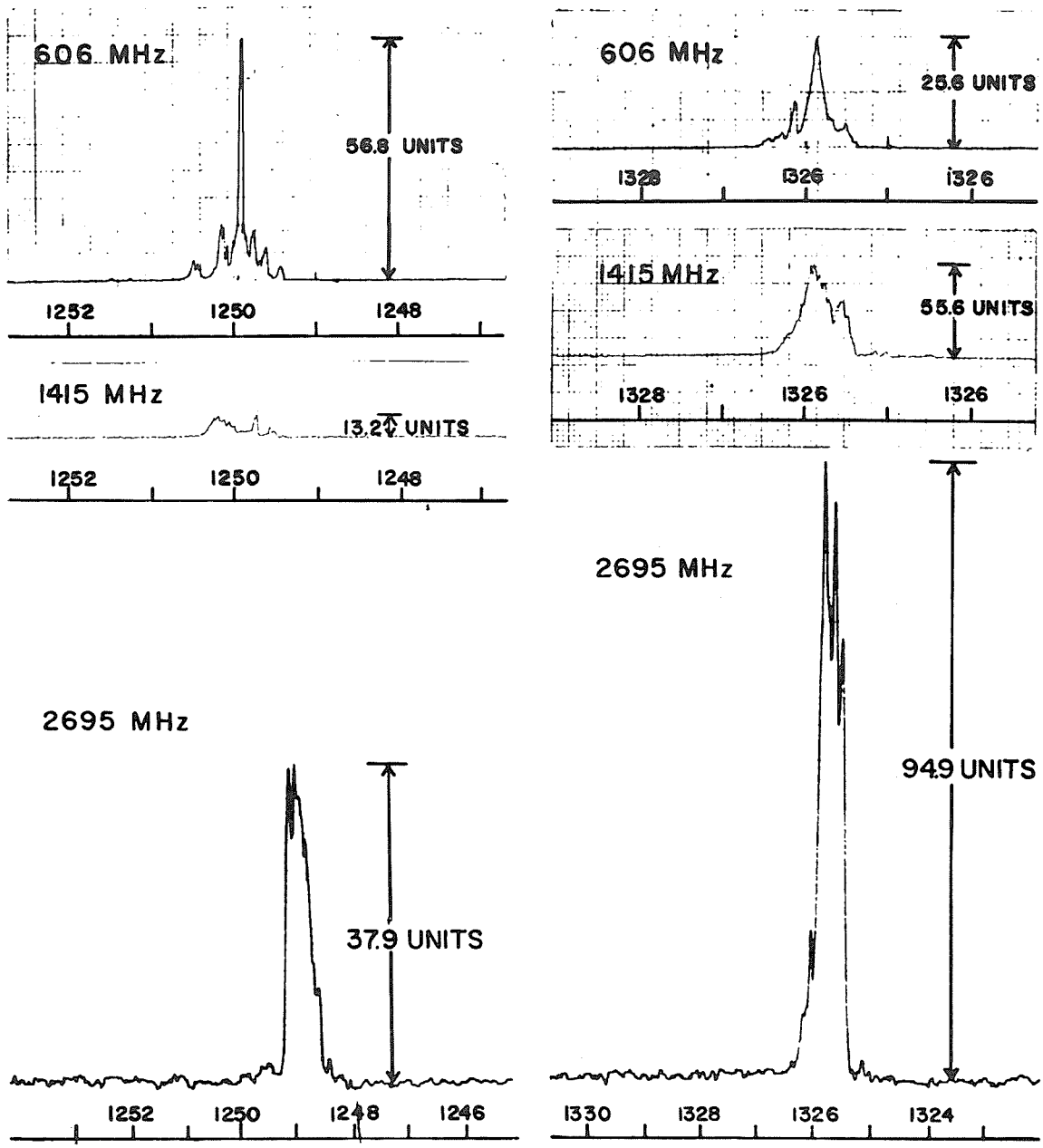
SIMPLE TWO BURST WITH POST BURST INCREASE OBSERVED AT APPROXIMATELY 1237 U.T. JULY 8, 1966 AT SAGAMORE HILL RADIO OBSERVATORY (AFCRL)—HAMILTON, MASS.

(SLIGHT FLUX INCREASES OBSERVED ON 1415 AND 606 MHz)

SELECTED SOLAR NOISE BURST

AFCRL SAGAMORE HILL

JULY 1966

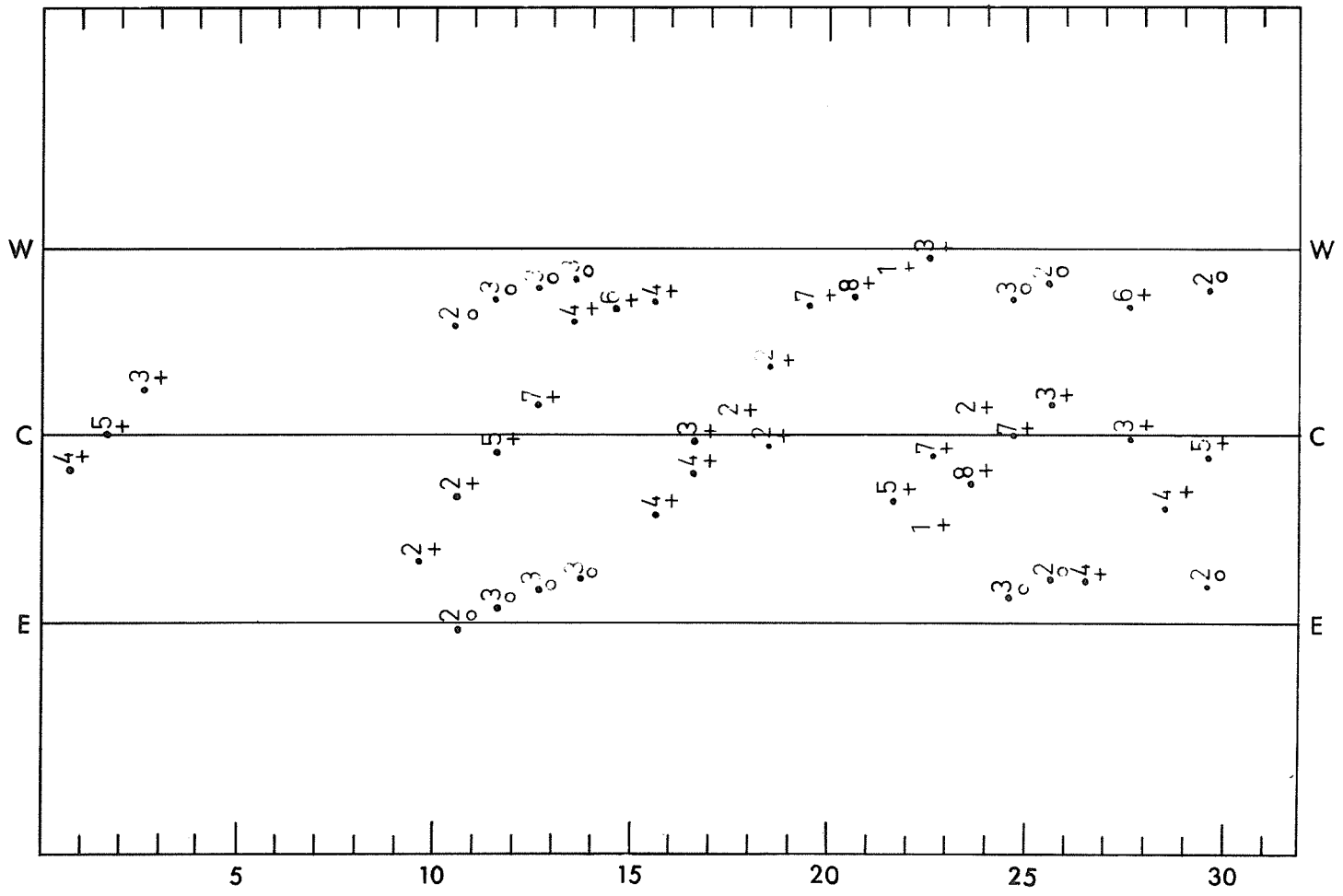


TWO SIMPLE 2(f) BURSTS OBSERVED ON 17 JULY, 1966 AT SAGAMORE HILL RADIO OBSERVATORY (AFCRL) HAMILTON, MASS. (NO FLUX INCREASE OBSERVED ON 4995 OR 8800 MHz · · · ALL TIMES ABOVE ARE U.T.)

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

JUNE 1966

NANÇAY **408 Mc/s**



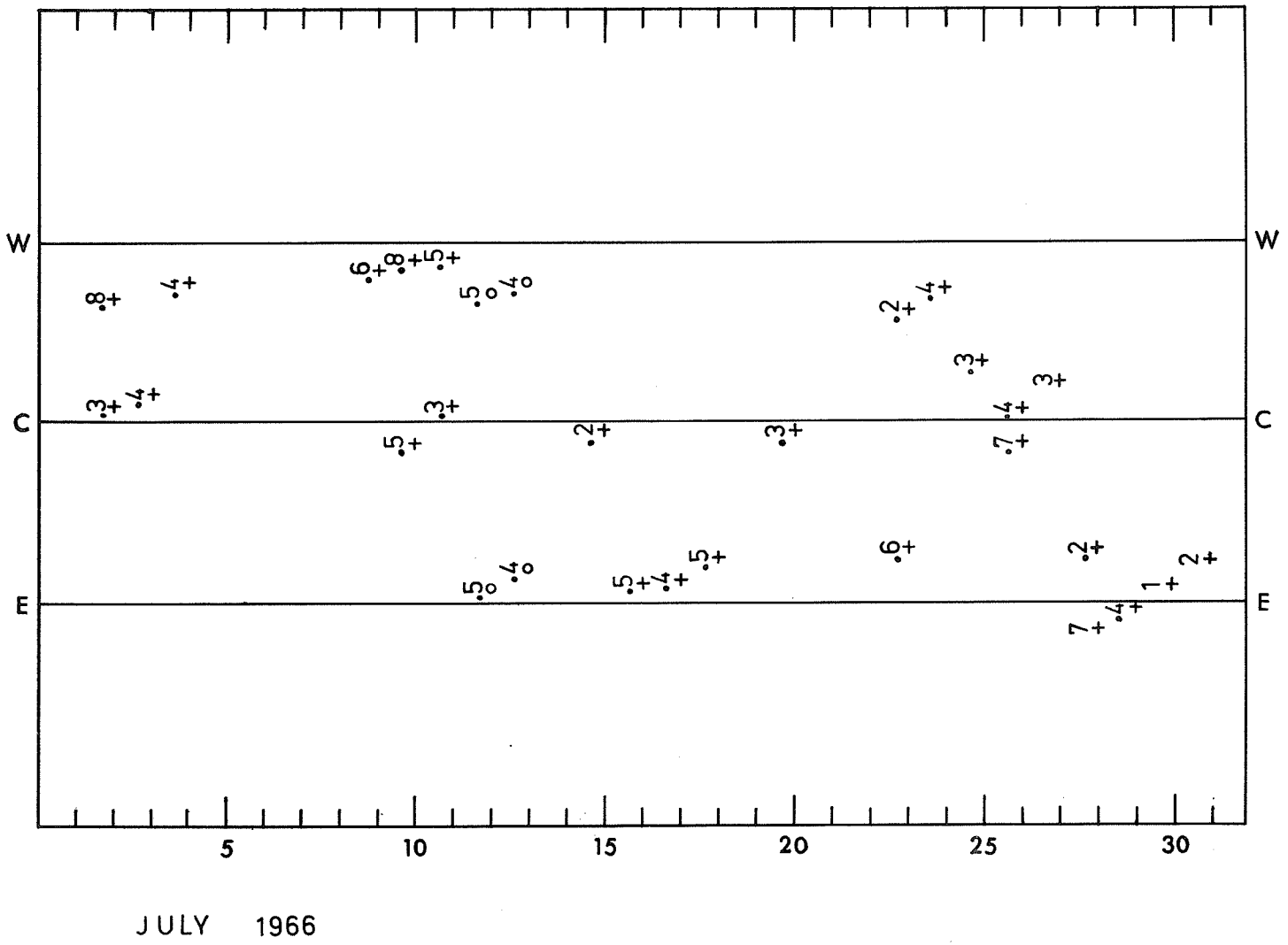
JUNE 1966

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

JULY 1966

NANÇAY

408 Mc/s

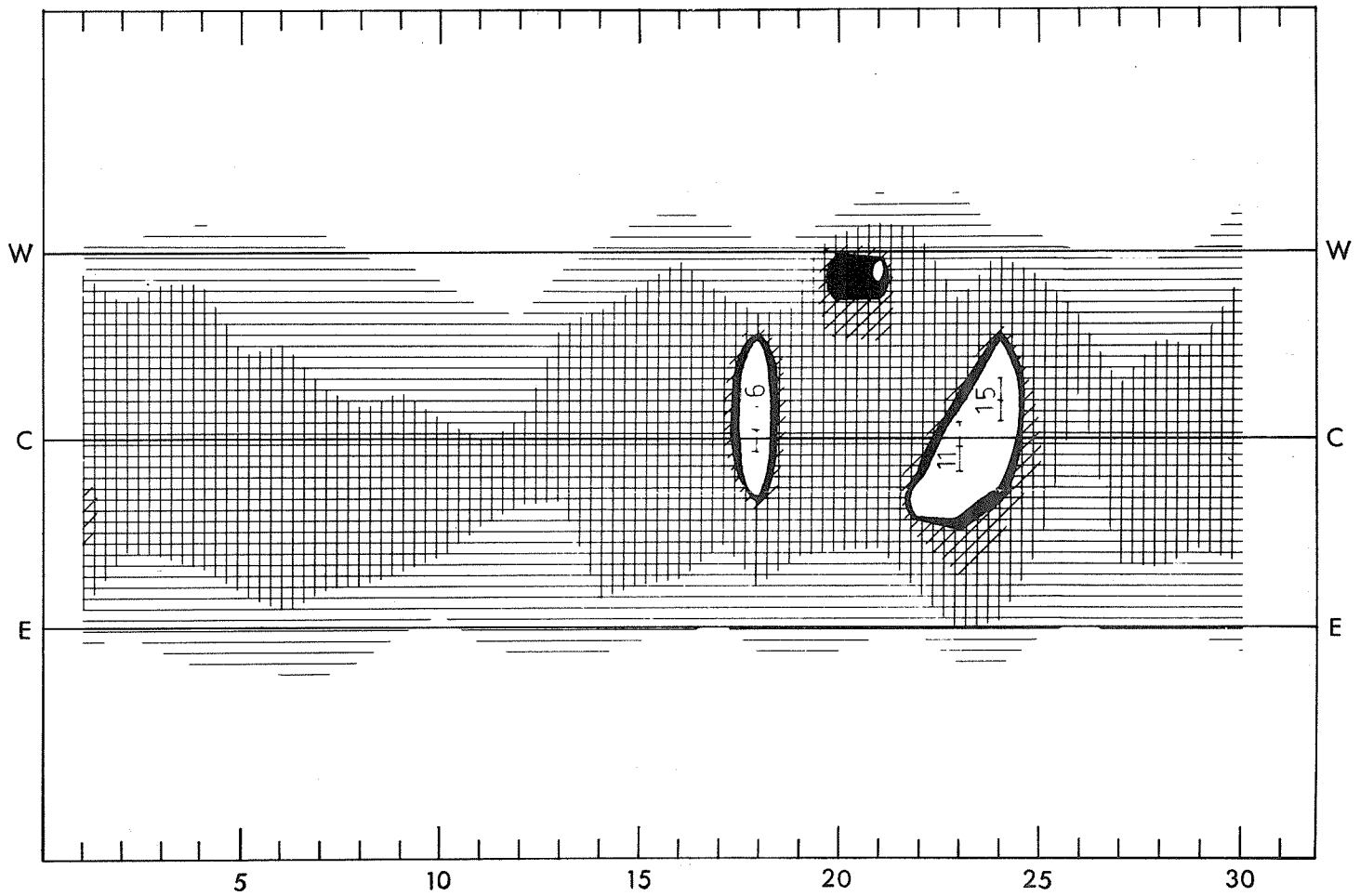


JULY 1966

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

JUNE 1966

NANÇAY **169 Mc/s**

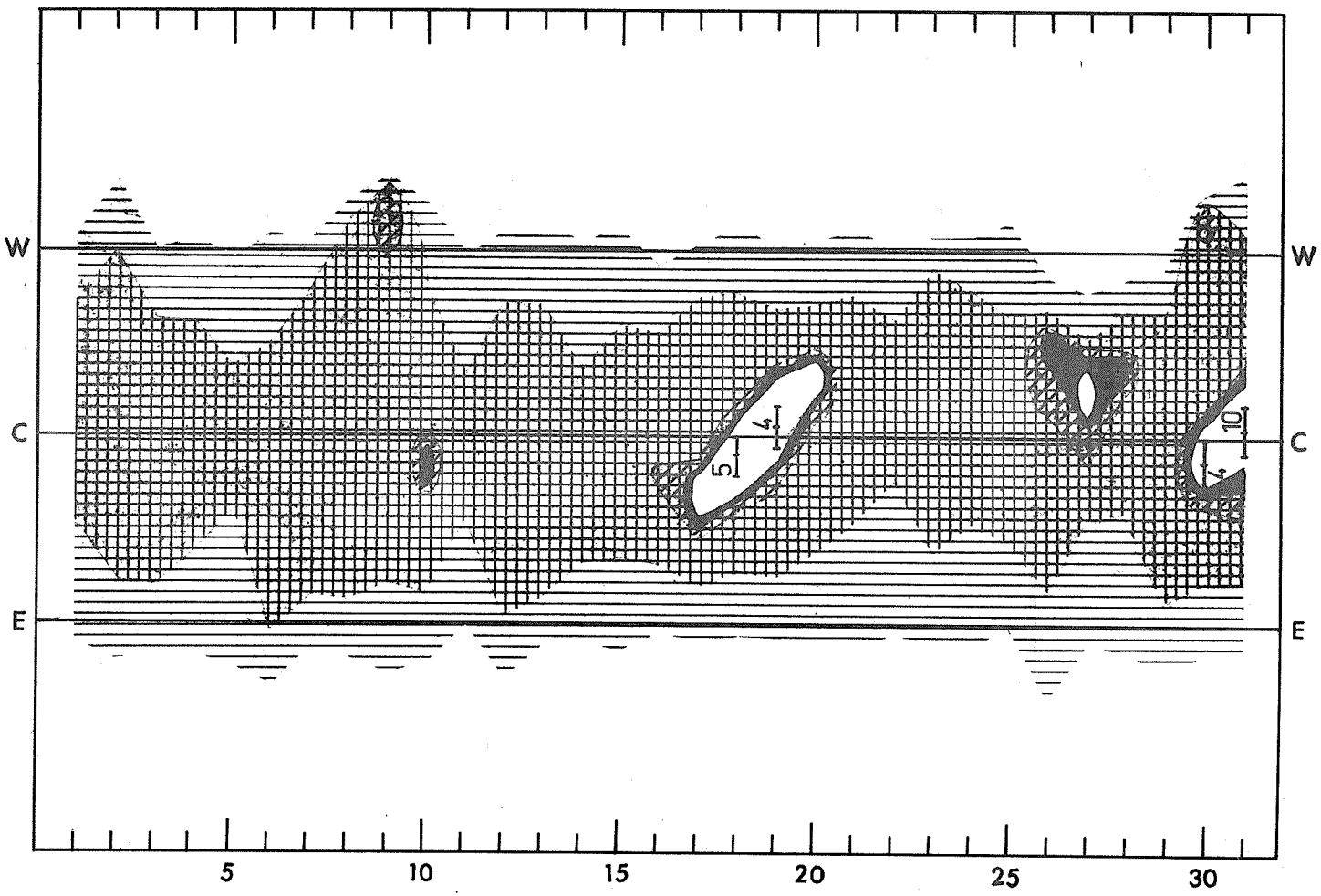


SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

JULY 1966

NANÇAY

169 Mc/s



JULY 1966

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

APRIL 1966

Fort Davis

25-320 Mc/s

1966	OBSERVING HOURS	IMPORTANT BURSTS			FREQUENCY RANGE MC.	REMARKS
		TYPE	TIMES U.T.	INT.		
April						
1	1250-2345					Weak I throughout day
						1654-2110: Sporadic Type III and reverse drift pairs, 50-25 Mc/s.
2	1250-2345	IIIg	1648-1649	2	150-<25	Weak I throughout day
		IIIg	1821-1822	2	180-<25	1611-2218: Sporadic Type III, 50-25 Mc/s.
		IIIg	1834-1836	3	90-<25	
		I	1850-2345	1	320-100	
3	1252-2345	I	1440-1900	2-3	320- 90	Weak I throughout day
		IIIg	1703-1704	1	90-<25	1608-2110: Sporadic Type III and forward and reverse drift pairs, 50-<25 Mc/s.
		I	1940-2020	1-2	320- 75	
		IIIb	2044-2045	1	180- 75	
		IIIb	2056	1	180- 75	
		I	2140-2345	2-3	320-100	
4	1251-2345	IIIG	1821-1823	3	80-<25	Weak I throughout day
		IIIg	2026-2027	1	180-<25	1527-2240: Sporadic Type III, 75-25 Mc/s.
		IIIG	2252-2255	2	85-<25	
		IIIg	2306-2307	1	150- 50	
5	1251-2345	IIIg	1447-1448	3	180-<25	Weak I throughout day
		IIIb	1450	2	100-<25	1606-2150: Sporadic Type III, 75-<25 Mc/s.
		IIIG	1525-1530	3	180-<25	
		IIIg	1653-1654	2	80-<25	
		IIIb	1655	2	80- 50	
		IIIg	1706-1707	2	150-<25	
		IIIg	1743	2	135-<25	
		IIIg	1748-1749	3	150-<25	
		IIIg	1806-1807	1	150-<25	
		I	2140-2345	1-2	320-100	
		IIIg	2311-2312	2	280-<50	
6	1252-2345	I	1300-1610	1	320-100	Weak I throughout day
		IIIg	1343-1347	2	180- 50	1800-2140: Sporadic Type III, 75-<25 Mc/s.
		IIIb	1349	1	150-100	
		IIIb	1409	1	75-<25	
		IIIg	1558-1559	1	100-<25	
		IIIg	1600-1601	2	180-<25	
		Uncl.	1607-1610	1	240-125	
		IIIb	1615	2	100- 50	
		IIIb	1633	2	100-<25	
		IIIb	1650	1	100-<25	
		IIIg	1818-1819	2	100-<25	
		IIIb	1849-1850	2	180-<25	
		IIIg	1930-1931	3	200-<25	
		I	2250-2345	1-2	300-100	
7	1251-2345	IIIb	1534-1535	1	100- 50	Weak I throughout day
		IIIg	1848-1849	3	160-<25	1640-2223: Sporadic Type III, 75-<25 Mc/s.
8	1252-2345	IIIg	1454-1455	2	200-<25	Weak I throughout day
		IIIb	1903-1904	1	50-<25	
		IIIb	1941-1942	1	280-<25	
		IIIb	1949-1950	1	180- 75	
		IIIb	1955	1	75- 50	
		IIIg	2008-2009	2	80-<25	2033: U-burst
		IIIg	2036-2037	3	320- 75	2037: U-burst
		IIIg	2155-2156	2	280- 85	
9	1252-2345	IIIg	1857-1858	1	75-<25	Weak I throughout day
		IIIg	2023-2024	2	75-<25	
		IIIg	2111-2112	2	125-<25	
		IIIg	2116-2117	1	50-<25	
		IIIb	2315-2316	1	240-125	
		IIIG	2330-2332	2	280-115	
10	1252-2345	IIIg	1352-1353	3	320-<50	Weak I throughout day
		IIIb	1355-1356	2	210-<50	
		IIIg	1451-1453	2	180-<25	
		IIIg	1515-1516	3	>320-<25	1516: Type V
		IIIg	1520-1521	2	150-<25	
		IIIb	1657	1	190-100	
		IIIb	2126-2127	1	210-<25	
		IIIg	2131-2134	3	>320-<25	2134: Type V
		IIIg	2137-2139	2	280-<25	
11	1252-2400	IIIG	2018-2019	2	300-180	Weak I throughout day
12	1252-1926	Uncl.	1531-1535	2	200-<25	
		II	1538.4-1545	3	120-<25	
13	No observations					
14	1252-2345					Occasional Weak I throughout day
15-16	1252-2345					
17	1252-2345					Occasional Weak I throughout day
18	1253-2345					Occasional Weak I throughout day
19	1252-2345	IIIb	2118-2119	2	75- 50	
		IIIb	2120-2121	1	75- 50	
20	1252-2345					Occasional Weak I throughout day
21	1253-2345					
22	1252-2345	IIIg	2002-2004	1	300-180	Occasional Weak I throughout day
		IIIb	2040-2041	2	50-<25	2000: Reverse drift 240-200 Mc/s.
						2003: Reverse drift 300-150 Mc/s.

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

APRIL, MAY 1966

Fort Davis

25-320 Mc/s

1966	OBSERVING HOURS	IMPORTANT BURSTS			FREQUENCY RANGE MC.	REMARKS
		TYPE	TIMES U.T.	INT.		
23	1252-2345	IIIg	1329-1330	1	180-<100	Occasional Weak I throughout day
		IIIg	1953-1956	2	135-<25	
24	1649-2345	IIIG	1649-1652	3	180-<25	Occasional Weak I throughout day
		IIIg	1714-1715	2	300-<25	1717-2020: Sporadic Type III, 50-<25 Mc/s.
		IIIg	1738-1740	2	150-<25	1649-1653: Type V
		IIIb	1742	3	150-<25	1742: Type V
25	1252-2345	IIIb	1621	2	210- 40	Occasional Weak I throughout day
		IIIg	1734-1735	2	200-<50	1548-2114: Sporadic Type III, 50-<25 Mc/s.
		IIIg	2152-2154	1	90- 50	
26	1252-1506	IIIb	1834-1835	2	85-<25	Occasional Weak I throughout day
	1525-1632	IIIb	1838-1839	1	40-<25	
	1635-1721	IIIg	1929-1930	2	240- 50	
	1730-2345	IIIg	2050-2051	2	280- 60	
		IIIb	2214	2	45-<25	
		IIIg	2311-2313	2	150-<50	
		IIIb	2317-2318	1	180-<50	
		IIIg	2320-2321	2	160-<25	
27	1252-2345	IIIb	1347-1348	2	280-200	
		Uncl.	1349-1350	2	250-160	
		IIIg	1628-1629	1	50-<25	
		IIIg	1631-1632	2	120-<25	
		IIIg	1721-1722	1	50- 30	
		IIIg	1851-1852	2	75-<25	
		IIIg	1923-1924	2	80-<25	
		IIIg	2135-2136	3	150-<25	
		IIIb	2217	2	290-180	
28	1251-2345					
29	1251-2345					Occasional Weak I throughout day
30	1251-2140	IIIg	1547-1548	2	320-230	Occasional Weak I throughout day
May						
1	1653-2345	IIIg	1711-1712	1	280-150	Occasional Weak I throughout day
		IIIg	1713-1714	2	300-115	
2	1252-2345					
3	1251-2345	IIIg	1741-1742	1	240-190	
4	1251-2345					
5	1251-2345	IIIg	1634-1635	2	280-115	
		III	1931-1933	1	240-<50	
6	1251-2345	IIIg	1427-1428	2	240-100	
7	1252-2345					
8	1251-2345	IIIg	1829-1830	2	150-<25	1830: Type V
9	1252-2345	IIIg	1445-1446	2	180-<25	
		IIIg	2031-2032	1	320-<25	
		IIIg	2102-2103	1	240-125	
		IIIg	2118-2119	1	280-100	
		IIIG	2135-2137	3	150-<25	
		IIIg	2138-2139	2	>320-<25	
		II	2139.4-2143	2	280- 50	
		IIIG	2146-2148	1	50- 32	
		IIIg	2234-2235	1	>320-<100	
10	1252-2345	IIIg	1652-1653	2	240- 60	
		IIIg	1802-1803	2	180- 50	
11	1251-2345	IIIg	2057-2102	1	50-<25	Occasional Weak I throughout day
		Uncl.	2121-2123	1	50-<25	
12	1253-2345					
13	1251-2037					
14	1252-2345					
15	1719-2345	IIIg	1752-1754	2	>320-<25	
		IIIb	1835	2	75- 60	
		IIIg	1901-1903	3	>320-<25	
		IIIg	1905-1906	3	>320-<25	
		IIIg	2134-2135	1	280-<25	
16	1251-2345	IIIg	1459-1500	1	180-<50	Weak I throughout day
		IIIg	1501-1502	1	180-100	
		IIIg	1503-1504	1	280-180	
		IIIb	1756-1757	2	50-<25	
17	1611-2345	IIIb	1643	1	60-<25	
		IIIg	1759-1800	2	>320-230	
		IIIg	1906-1907	2	50-<25	
		IIIg	1930-1932	2	>320-<25	
		IIIg	2056-2057	2	>320-<25	
		IIIg	2058-2100	1	310-200	
		IIIg	2144-2145	1	>320-270	
		IIIg	2146-2147	3	>320-<25	
18	1251-2345	IIIb	1708-1709	3	90-<25	
19	1251-2345					
20	1252-2345	I	1857-2130	1	300-125	Weak I throughout day
		IIIg	2254-2255	2	180-<50	
21	1251-2345	I	1558-1712	1	320-100	Weak I throughout day
		IIIg	1937-1938	2	>320-280	
		IIIg	2024-2025	1	>320-240	
		IIIb	2247-2248	1	>320-100	
		IIIg	2318-2320	2	>320-100	

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

MAY, JUNE 1966

Fort Davis

25-320 Mc/s

1966	OBSERVING HOURS	IMPORTANT BURSTS			FREQUENCY RANGE MC.	REMARKS
		TYPE	TIMES U.T.	INT.		
22	1251-2345					Weak I throughout day
23	1251-2345	IIIg	1353-1356	2	100-<50	Weak I throughout day
		IIIg	1445-1446	1	320-180	
		IIIg	2159-2201	2	100-<50	
24	1252-2345	IIIG	1351-1353	2	300-<50	Weak I throughout day
		IIIg	1356-1357	1	>320-160	
		IIIG	1358-1359	2	280-100	
		IIIG	1414-1419	3	>320-<25	1414-1417: Type V
		IIIg	1448-1449	1	200-<50	
		IIIb	1459-1500	1	190-100	
		IIIb	1653-1654	1	200-<25	
		IIIg	1741-1743	1	150-<25	
		IIIG	1747-1751	3	>320-<25	
		IIIg	1816-1817	2	150-<25	
		IIIg	1833-1835	1	240-150	
		IIIg	1942-1943	3	180-<25	
		IIIg	1948-1949	3	180-<25	
		IIIg	2116-2117	2	180-<50	
		IIIg	2118-2120	3	180-<30	
		IIIg	2124-2125	1	240-<50	
		IIIg	2134-2135	1-	180-<50	
25	1252-2345	IIIG	1303-1304	2	300-160	Weak I throughout day
		IIIg	1305-1306	1	300-220	
		IIIg	1308-1309	2	320-160	
		IIIG	1313-1316	3	>320-<25	
		IIIg	1450-1451	1	230-115	
		IIIg	1457-1458	1	240-180	
		IIIG	1530-1541	3	>320-<25	1531-1532: Type V
		IV	1534-1545	2	>320-<25	1534-1537: Type V
		II	1537.2-1555	3	280-<25	
		IIIg	1653-1655	2	180-<25	
		IIIG	1726-1729	2	>320-<50	
		IIIb	1822-1823	1	280-150	
		IIIG	1838-1839	3	280-<25	
		IIIG	1849-1854	3	>320-<50	
		IIIg	1924-1926	1	>320-100	
		IIIg	1933-1934	2	>320-115	
		IIIg	1935-1936	1	>320-270	
		IIIg	2002-2003	1	230-180	
		IIIg	2126-2127	1-	180-110	
		IIIg	2147-2148	1	180-<50	
		IIIg	2155-2156	3	240-<50	
		IIIg	2208-2211	2	280- 50	
		IIIg	2212-2213	1-	280-125	
			2325-2326	1	280-180	
26	1252-2345	IIIg	1419-1420	1-	240-115	
		IIIG	1421-1424	2	>320-100	
		IIIb	1503-1504	1-	150-100	
		IIIG	1852-1854	3	180-<25	1853: Type V
		IIIg	1901-1903	3	300-<25	1902: Type V
		IIIg	1922-1923	2	100-<25	
27	1252-2345	IIIG	1618-1623	2	290-<25	Occasional Weak I throughout day
		IIIg	1645-1647	1	50-<25	
		IIIg	1650-1655	2	180- 50	
		IIIg	1657-1658	2	85-<25	
		IIIg	2101-2102	2	180-<25	
		IIIg	2334-2335	1-	180-100	
28	1251-2345	IIIg	1626-1628	2	280-<50	Occasional Weak I throughout day
		Uncl.	1705-1707	3	200- 75	
		I	2119-2330	1-2	320- 25	
29	1252-1615	IIIG	2230-2233	2	300-<25	Occasional Weak I throughout day
	1619-2345	IIIg	1806-1807	1	320-190	
30	1252-2345					
31	1252-2345					Occasional Weak I throughout day
June						
1	1219-2345					
2	1219-2345	IIIG	1403-1404	3	>320-<25	Occasional Weak I throughout day
		IIIg	1407-1408	1	240-115	1403: Type V
		IIIg	1616-1617	1	>320-100	
		IIIG	1900-1903	3	>320-<25	
		I	1911-1914		34- 25	
		IIIg	2215-2216	1	>320-180	
		IIIg	2251-2252	1	>320-<50	
3	1219-2345					
4	1220-2345	IIIg	1321-1322	1	180-<50	
		IIIg	1331-1333	2	>320-<50	
5	1219-2345	IIIg	1235-1236	1	320-<100	
6-8	1220-2345					
9	1220-2016					
	2059-2135					
	2205-2345					
10	1220-2345					
11	1220-2345	IIIb	2108	1	50-<25	
		IIIG	2109-2112	3	>320-<25	
		IIIg	2302-2303	2	240-<100	
		IIIG	2306-2308	2	280-<100	

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JUNE 1966

Fort Davis

25-320 Mc/s

1966	OBSERVING HOURS	IMPORTANT BURSTS			FREQUENCY RANGE MC.	REMARKS
		TYPE	TIMES U.T.	INT.		
JUNE 12	1220-2345					
13	1220-2345	IIIG	1609-1612	1	240-<25	Occasional Weak I throughout day
		IIIG	1741-1743	2	250-<25	
		IIIb	2141-2142	1	150-100	
		IIIG	2256-2258	2	>320-<25	
14-16	1220-2345					
17	1220-1658					Weak I throughout day
	1717-2138					
	2154-2345					
18	1219-2345	II	1604.2-1609	2	100-<25	Weak I throughout day
19	1220-2345	IIIb	2007	2	50-<25	Occasional Weak I throughout day
20	1219-2345	IIIG	1247-1250	2	290-100	1247: U-burst
		IIIg	1341	1	320-115	Occasional Weak I throughout day
		IIIg	1345-1346	1	180-110	
		IIIg	1346-1347	2	180-<50	
		IIIg	1829-1831	1	240-<25	
21	1220-2158	IIIb	1810-1811	2	50-<25	Occasional Weak I throughout day
	2200-2258	IIIg	2202-2203	1	260-<100	
	2300-2345					
22	1220-2345	IIIg	1426-1427	2	240-<50	Weak I throughout day
		IIIg	1433-1434	2	125-<100	
		IIIg	1435-1436	1	290-<50	
		IIIg	1438-1439	1	290-<50	
		IIIg	1440-1443	2	290-<25	
		IIIb	1620	1	50-<25	
		IIIb	1631	1	50-<25	
		IIIg	1739-1742	2	75-<25	1739-1742: Reverse drift pairs, 65-30 Mc/s.
		IIIg	1748-1749	1	50-<25	
		IIIG	1754-1757	1	150-<25	
		IIIG	1801-1807	2	180-<25	1817-1900: Sporadic Type III, 50-<25 Mc/s.
		IIIg	2211-2213	2	100-<50	
23	1219-2345	IIIg	1233-1234	3	245-<100	Weak I throughout day
		IIIg	1236-1238	3	240-<100	
		IIIg	1244-1245	3	300-<100	
		IIIg	1247-1248	2	240-<100	
		IIIb	1823-1824	1	50-<25	
24	1220-2345	IIIg	1519-1520	2	160-<25	Weak I throughout day
		IIIg	1522-1523	1	150-115	
		IIIb	1558	1	35-<25	
		IIIb	1630-1631	1	32-<25	
		IIIg	1704-1705	1	40-<25	
25	1219-2345	I	1519-1534	2	300-120	Weak I throughout day
		IIIg	1530-1531	2	240-100	
		II	1534.8-1547	3	180-<25	
		IV	1535-1551	3	>320-<100	
		Uncl.	1546-1555	3	100-<25	
		IIIG	1548-1556	3	100-<25	1548-1556: Reverse drifts
		IV	1551-1620	2	>320-<100	After 1620 Type IV burst develops into
		I	1620-1800	2	280-100	Type I bursts with background continuum.
26	1220-2345					Occasional Weak I throughout day
27	1219-2345					Occasional Weak I throughout day
28	1219-2345	IIIg	1719-1720	1	>320-100	
29	1220-2345	IIIg	1513-1514	1	150-115	
30	1219-2345					

COMMERCE - STANDARDS - BOULDER

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JULY 1966

UNIVERSITY OF COLORADO

7.6-41 Mc/s

Date July 1966	Bursts				Date July 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
1	III	1753-1753:30	1	21-41	8	III	1851:30-1852	1+	7.6-41
4	III	2023-2023:15	1	21-36		III	1852:30-1853:15	1+	7.6-41
5	III	1610:15-1610:30	1	11-41		III	1853:30-1854:15	1+	7.6-41
	III	1644-1644:15	1+	18-41		III	1856:15-1856:45	1	19-41
	III	1654:45-1655	1-	22-41		III	1914:45-1915	1-	20-41
	III	1718:15-1718:30	1	20-41		III	1918:30-1919	1	22-41
	III	1719:15-1719:30	1	7.6-41		III	1920-1920:15	1	21-41
	III	1720:45-1722:15	1+	7.6-41		III	1930:45-1931:45	2	7.6-41
	III	1755:45-1757:30	2	7.6-41		III	1938:15-1939	1+	13-41
	III	1809:45-1811	1+	7.6-41		III	2013:30-2013:45	1-	26-41
	III	1831:30-1832:45	2	7.6-41		III	2019:30-2020:15	2	7.6-41
	III	1854:45-1855:15	1+	7.6-41		III	2037:45-2043	1	20-41
	III	1934:45-1935	1	7.6-41		III	2051-2052:15	2	7.6-41
	III	1936:45-1937	1	7.6-41		III	2054:15-2054:30	2	25-41
	III	2045:45-2046:15	2	16-41		III	2055:30-2057	2	7.6-41
6	III	0214:15-0214:30	1	16-39		III	2058:30-2058:45	1-	23-38
	III	1330-1330:15	1-	20-41		III	2138:15-2138:45	1	21-41
	III	1505:15-1506	1	7.6-41		continuum	2141:15-2151	2	7.6-41
	III	1535:30-1535:45	1	22-41		III	2153:45-2154	1-	22-37
	no observ.	2349-0053				III	2236:15-2236:30	2	10-41
7	IV	b0053-a0203	3	20-41	9	III	0019:15-0019:45	1	21-41
	III	1214:30-1214:45	1	22-41		III	0036:30-0040:45	2	13-41
	III	1227:15-1227:30	1	32-41		III	0130-0130:15	1-	25-41
	III	1806:15-1806:45	1+	21-41		III	0138:15-0138:30	1-	22-41
	III	1906:15-1906:45	1+	21-41		III	1216:15-1216:30	1-	20-32
	III	1933:45-1934:30	1+	7.6-41		III	1218-1218:15	1	16-36
	III	1958:30-1959	1	22-41		III	1554:15-1554:30	1	7.6-41
	III	2034:45-2035:15	1-	22-34		III	1842:15-1842:45	1	21-41
	continuum	2048-2059	2+	7.6-41		III	2024-2025:15	2	12-41
	III	2132:45-2133:45	1+	21-39		III	2145-2146:45	1+	20-41
	III	2206:15-2207:30	1+	21-41		III	2214-2215	1-	19-41
	III	2224-2225	2	8-41		III	2315:45-2316:15	1	16-41
	III	2319:15-2319:30	1+	19-41	10	III	1203:30-1203:45	1-	16-41
	III	2329:30-2331:30	2	16-41		III	1350:15-1350:30	1-	23-39
8	III	0044-0044:30	1+	16-41		III	1351:15-1351:30	1-	23-39
	III	0048:45-0049:30	1+	16-41		III	1435-1435:15	1	21-41
	III	0057:30-0057:45	1-	29-37		III	1606-1606:15	1-	21-34
	III	1409-1409:15	1	18-36		III	1607-1607:15	1-	31-39
	III	1417:30-1417:45	1-	23-41		III	1632-1632:15	1	12-32
	III	1429:15-1429:45	1-	21-41		III	1646:45-1647	1-	11-41
	III	1431-1431:30	1+	21-41		III	1655-1655:30	1-	23-37
	III	1449-1449:30	2	12-41		III	1841:15-1842:30	1	10-41
	III	1509-1509:30	2	9-41		III	1907-1907:15	1	7.6-41
	III	1642-1642:30	1-	23-37		III	1926-1926:15	1-	16-37
	III	1705:30-1705:45	1-	26-36		continuum	2016-2023	1-	18-41
	III	1724-1725	2+	7.6-41		III	2040:45-2044:15	1	7.6-41
	III	1752:45-1754	1	19-41		III	2129:15-2129:45	1-	19-38
	III	1825-1825:15	1+	21-41		III	2205-2205:15	1	20-36
	III	1836:15-1837	2	7.6-41		III	2321:30-2321:45	1-	20-36
	III	1847:45-1850:15	2	7.6-41		III	2347:45-2348	1	22-41

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JULY 1966

UNIVERSITY OF COLORADO

7.6-41 Mc/s

Date July 1966	Bursts				Date July 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
11	continuum	b1140-1255	1	25-41	12	III	2219-2219:15	1	21-41
	III	1234:15-1239:45	2	16-41		III	2318:45-2320:30	2	16-41
	III	1321:45-1322	1-	24-32	13	III	1424:30-1425	1-	26-41
	III	1334:45-1335	1-	29-37		III	2326:15-2326:45	1	21-41
	III	1354:30-1401:45	2	19-41		III	2335:30-2336:45	1	26-34
	III	1401:45-1402:15	2+	13-41	14	continuum	1723:30-1732:30	1+	21-41
	III	1503:45-1504:15	1	20-35		III	1740:30-1742:30	1	25-41
	III	1509:15-1509:30	1-	21-33		III	2053:15-2054:15	1	22-34
	III	1718:15-1718:45	1	21-35		III	2116-2117:30	1+	24-41
	III	1750:30-1751:15	1-	22-36	15	III	1241:30-1242	1-	25-41
	III	1803-1804:15	2	16-41		III	1242:45-1243:30	1+	17-41
	III	2017:45-2018	1	23-31		III	1244:45-1245:15	1	21-41
	III	2020:30-2021	1+	18-41		III	1246:15-1246:45	1+	21-41
	III	2043:45-2044:15	2	11-41		III	1302:15-1302:30	1+	22-41
	III	2044:15-2044:30	1	22-31		III	1324:45-1325	1-	23-34
	III	2103:45-2104:30	1	22-36		III	1417-1417:45	1-	22-37
	III	2145:15-2145:45	2	21-41		III	1425:30-1426	1	27-39
	III	2246:30-2247:15	2+	10-40		III	1427-1427:15	1-	22-34
	III	2303:45-2305	1+	22-37		III	1428-1428:15	1-	22-33
	III	2319:45-2322	1	22-41		III	1639-1639:15	1-	27-41
	III	2322:45-2323:15	2+	13-41		III	1645:15-1645:45	1-	26-36
12	III	0016-0017	1+	21-41		III	1657:30-1658:30	1	23-41
	III	0019:30-0020:45	1	25-39		III	1737:30-1737:45	1-	27-32
	III	0026-0026:30	1+	21-40		III	1741-1741:15	1-	20-38
	III	0050:15-0053	3	16-41		III	1834:45-1835:15	1-	19-41
	III	0149:45-0150:30	1+	22-37		III	2045:30-2046	1+	19-41
	III	0151-0151:45	2	22-37		III	2051:15-2051:30	1-	22-30
	III	0151:45-0152:15	2	22-37		III	2053-2053:15	1-	23-33
	III	1146:30-1147	1-	16-37		III	2131:30-2132	1	24-38
	III	1155:15-1155:30	1-	20-40		III	2142-2142:30	1	19-39
	III	1215:30-1216:45	1	16-40		III	2242-2242:45	1-	22-38
	III	1221:45-1223	1+	16-41	16	III	0025-0025:30	1	25-36
	III	1223-1226	1	20-37		III	0113:15-0113:30	1-	29-41
	III	1239:30-1240:15	1	17-40		III	1154:30-1154:45	1-	16-41
	III	1243-1243:30	1	21-39		III	1240:30-1241	1	17-41
	III	1245:15-1245:30	1	20-39		III	1350-1350:15	1-	23-41
	III	1313:30-1314:30	2	13-41		III	1352:45-1353	1-	29-39
	III	1316:45-1317:30	2	14-41		III	1421:45-1422	1	24-38
	III	1319:45-1320	2	19-41		III	1457-1459:15	2	20-41
	III	1344:30-1345	1+	20-36		III	1508-1508:30	2	13-41
	III	1400:15-1400:30	1	27-38		III	1535:45-1536	1-	36-41
	III	1400:30-1400:45	1	23-39		III	1550:30-1550:45	1+	27-41
	III	1610:30-1610:45	1+	23-41		III	1603:30-1603:45	1-	30-38
	III	1619:30-1621	2+	7.6-41		III	1604:30-1605	1	26-41
	III	1639-1640	2	8-41		III	1619-1619:15	1-	30-35
	continuum	1659:15-1709:45	2	7.6-41		III	1634-1634:15	1-	26-33
	III	1723:45-1724:15	1	22-34		III	1635:15-1636:15	1+	28-41
	III	1854:30-1855	1-	22-37		III	1748:45-1749:15	1-	27-38
	III	2005:45-2006:15	1-	21-39		III	1752:15-1752:30	1-	23-32
	III	2216-2216:45	1	21-41		III	1753-1753:30	1-	23-39

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JULY 1966

UNIVERSITY OF COLORADO **7.6-41 Mc/s**

Date July 1966	Bursts				Date July 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
16	III	1807:30-1807:45	1	16-41	18	continuum	1434-1840	1-	22-41
	III	1848-1848:30	1	23-41		III	1553:45-1554:30	3	12-41
	III	1941:45-1942:15	1-	29-41		III	2319:45-2320	1-	23-38
	III	1945:30-1946	1	23-41		III	2345:30-2345:45	1	23-30
	III	1946:45-1947	1-	23-39		III	2359:45-0000:15	1+	21-38
	III	2018:15-2018:30	1-	20-32	19	III	0002-0002:15	1-	23-30
	III	2045:45-2046	1-	21-32		III	0106:45-0107:15	1	25-39
	III	2055:45-2056	1-	21-32		III	1157:30-1158:45	1-	24-37
	III	2106:15-2106:30	1-	21-41		III	1215:45-1216	1	26-32
	continuum	2121-2200	1	24-41		continuum	b1225-1557:30	1-	22-41
	III	2310:30-2310:45	1-	18-27		continuum	1557:30-1847:15	1	22-41
	III	2323-2323:30	1	20-38		II	1827:30-1837	1+	22-41
	III	2328:45-2329	1-	20-41		III	1928-1928:15	1	27-38
	III	2334:45-2335	1-	22-41		III	2025:30-2026:30	1+	19-40
	III	2346:15-2346:30	1+	7.6-41		III	2104-2104:15	1	22-38
17	III	0001:45-0002	1-	22-41		III	2131:30-2131:45	1	22-38
	III	0003:30-0003:45	1+	22-30	20	III	0022-0022:15	1-	22-37
	III	0019-0019:45	1-	22-41		III	0127-0127:30	1	22-30
	III	1218:45-1219	1-	22-41		III	1509:30-1509:45	1-	25-35
	III	1237-1238	1-	23-37		III	1546-1546:15	1	22-41
	III	1339:30-1340	1	21-38		III	1611:15-1611:30	1	21-41
	III	1344:45-1345:15	1-	20-37		III	1617:45-1618:15	1	22-41
	III	1422:30-1423	1-	21-41		III	1619:15-1619:30	1	23-38
	III	1427-1427:45	1+	22-41		III	1620:45-1621:45	1-	22-41
	III	1523:15-1523:30	1	24-33		III	1735:15-1735:30	1-	20-41
	III	1548:30-1548:45	1-	20-41		III	2048:15-2048:30	1-	22-29
	III	1657:30-1658:15	3	7.6-41		III	2105:30-2106:15	1	21-41
	III	1708:15-1708:45	2	12-41		III	2138:30-2138:45	1-	20-37
	III	1712-1712:30	2	7.6-41	21	III	0024:30-0025	1	25-41
	III	1715:30-1716	1-	21-41		III	1418:15-1418:30	1	23-41
	III	1729-1729:30	1-	22-34		III	1452:45-1453:15	1	21-41
	III	1732-1732:15	1	21-41		III	1459-1459:30	1	24-41
	III	1745:15-1745:30	1	21-41		III	1523:45-1524:15	1	25-41
	III	1745:45-1746	1	21-41		III	1606-1606:15	1-	24-38
	III	1824:45-1826	2	7.6-41		III	1608-1608:15	1-	28-41
	III	1827-1827:30	2	7.6-41		III	1631-1631:15	1-	25-35
	III	1839:15-1839:45	1+	21-41		III	1644-1644:45	3	16-41
	III	1858-1859:30	2	7.6-41		III	1649:30-1651:30	3	7.6-41
	III	1932:30-1932:45	1	12-41		III	1652:30-1652:45	1-	24-36
	III	2006:15-2006:30	1-	16-34		III	1723:30-1724	1	22-41
	III	2114:30-2114:45	1-	21-29		III	1733:15-1733:45	1+	25-41
	III	2144-2144:15	1-	21-35		III	g 1749:15-1753	1+	21-41
	III	2144:45-2145	1-	23-41		III	1756:15-1756:30	1-	27-38
	III	2145:30-2148:15	2	7.6-41		continuum	1805-2050	1-	22-41
	III	2154:30-2154:45	1-	22-41		III	2215:15-2215:45	1	21-41
	III	2155-2155:30	1-	21-41		III	2216:45-2217	1-	25-34
	III	2156:30-2156:45	2	13-41		III	2222:45-2223	1-	21-41
	III	2202:30-2202:45	2	19-41		III	2236-2236:15	1	25-36
	III	2211-2211:15	1-	22-41		III	2238:15-2238:30	1-	25-37
	III	2214-2214:15	1-	22-35		III	2245:30-2245:45	1	22-31
	III	2240-2240:15	1-	22-37		continuum	2318-2335	1-	21-41
	III	2313:15-2313:30	1-	23-41		III	2318:15-2319:30	2+	16-41
18	III	0111-0112:45	2	18-41		III	2332:30-2330	2	18-41
	III	1228-1228:30	1	24-41	22	III	0027:45-0028:15	1+	21-41
	III	1400:15-1400:30	1	24-38		III	0119:30-0120	1+	21-41

g = unusual shape

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JULY 1966

UNIVERSITY OF COLORADO

7.6-41 Mc/s

Date July 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
22	III	0135-0135:30	1	24-41
	III	1307-1307:30	1+	24-41
	III	1358-1358:15	1	22-41
	III	1358:45-1359:30	2	22-41
	III	1538:30-1539	3	20-41
	III	1555:45-1557	3	7.6-41
	III	1629:15-1629:30	1-	25-35
	III	1816:45-1817:15	1-	24-39
	III	1825:45-1827:15	2	7.6-41
	III	1857:30-1858:30	3	7.6-41
	III	1901:45-1902:15	1-	19-41
	III	1934:45-1936:30	2	7.6-41
	III	1940:45-1941:30	1	22-39
	III	2009-2009:30	1	21-34
	III	2100:45-2101	1	21-41
	III	2103:30-2104	1+	12-41
	III	2108:15-2108:30	1-	14-34
	III	2111:45-2112	1-	22-34
	III	2113:30-2114	1	17-41
	III	2114:45-2116	1+	16-41
	III	2123-2123:30	1-	19-39
	III	2126-2126:30	1	20-41
	III	2144:30-2145	1-	20-37
	III	2153-2155:30	2	7.6-41
	III	2157:15-2157:45	1-	20-41
	III	2224:30-2225	1-	19-41
	III	2229-2229:15	1-	22-34
	III	2232:30-2232:45	1-	19-41
	III	2235-2235:15	1-	21-36
	III	2248-2248:15	1-	24-36
	III	2251:45-2252:15	1-	20-41
	III	2259:45-2300:30	2	19-41
	III	2301-2301:15	1-	25-37
	III	2303:30-2304:45	2	14-41
	III	2348:30-2349:30	3	14-41
23	III	0021-0021:15	1	23-41
	III	1811:45-1813	2	7.6-41
	III	1938:15-1939	2	11-41
	III	1939:30-1940:15	1+	23-41
	III	1940:30-1941	1	23-41
	III	1952:30-1953:15	2	12-41
	III	2234:45-2235:30	3	7.6-41
24	III	1410-1410:30	1-	22-32
	continuum	1412:30-1425	1	20-42
	III	1428-1428:30	1+	16-41
	III	1506:30-1506:45	1-	25-41
	III	1728:45-1729:30	1+	21-41
25	III	1256:15-1256:30	1	23-41
	III	1257:15-1259:15	1+	21-41
	III	1722:30-1725:30	3	7.6-41

Date July 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
25	III	1757:15-1757:30	1	23-41
	III	1758:30-1759	1	23-41
	III	1826:15-1826:45	1	22-41
	continuum	1929-1948	1	22-41
	III	1958:15-1958:45	1-	27-41
	III	2001:30-2002	1	22-41
	III	2002:15-2002:45	1	23-40
	III	2003:15-2003:45	1	23-40
	III	2134:30-2135:15	1+	21-41
	III	2143:15-2143:30	1-	30-41
	III	2152-2153:15	1+	22-41
	III	2217:15-2217:45	1-	27-41
	III	2219-2219:15	1	22-41
	III	2248-2250:30	2+	12-41
	III	2301:30-2304:30	2	16-41
26	III	0026-0026:30	1-	25-36
	III	0130-0130:45	2	21-41
	III	1159:15-1200	1+	22-41
	III	1204-1204:15	1-	18-41
	III	1204:45-1206:45	2	18-41
	continuum	b1247-a0114	1+	20-41
	III	1927:30-1928	2	7.6-41
27	III	1154:45-1155:15	1	22-41
	III	1155:30-1156	1+	19-41
	III	1224:45-1225	1	21-41
	III	1257:45-1259:45	1+	20-41
	III	1300-1300:45	2	20-41
	III	1308:45-1310	1+	21-41
	III	1327-1327:30	1	26-41
	III	1328:15-1329:30	1	26-41
	III	1333:30-1334	1+	21-41
	III	1340:30-1341:30	1	22-34
	III	1342:30-1343	1	24-32
	III	1353:15-1353:30	1+	22-41
	III	1418:30-1419	1+	24-36
	III	1421:15-1421:30	1+	23-39
	III	1424:15-1424:30	1	28-41
	III	1427-1427:30	1+	22-41
	III	1433-1433:30	1-	23-36
	III	1445:45-1446	1-	22-36
	III	1449:45-1450	1	24-39
	III	1454-1454:15	1-	26-37
	III	1456-1457	1+	21-41
	III	1502-1505	1	22-41
	III	1505:45-1506	1+	22-41
	III	1514-1514:15	1-	26-41
	III	1518-1518:15	1+	23-41
	III	1525-1525:15	1	22-34
	III	1536:45-1537	1+	22-39
	III	1624-1625	2	7.6-39

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JULY 1966

UNIVERSITY OF COLORADO **7.6-41 Mc/s**

Date July 1966	Bursts				Date July 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
27	III	1639:45-1640	1-	24-36	28	III	0131:45-0132:30	2	21-41
	III	1646:15-1646:45	1+	23-41		III	0135:15-0135:30	1	23-36
	III	1653-1653:15	1	23-35		III	1207:30-1210:30	1+	16-41
	III	1655:15-1656:15	2	22-41		III	1211:45-1212:30	1+	16-41
	III	1657-1657:15	1+	22-37		III	1217:15-1217:45	1	16-41
	III	1731-1732:15	2+	9-38		III	1221:45-1222:15	1	20-41
	III	1733:15-1733:45	2	21-34		III	1317:45-1318:30	2	17-41
	III	1745:45-1746	2	22-41		III	1323:45-1324:15	1+	18-41
	III	1746-1746:45	3	21-41		continuum	1338:15-1359:30	1	20-41
	III	1803-1804	2+	7.6-41		III	1412:45-1413:15	1-	23-40
	III	1809:15-1810:15	2+	7.6-41		III	1429:15-1429:30	1	23-40
	III	1813-1813:30	1+	11-40		III	1432-1432:30	1	23-37
	III	1814:45-1815	1+	22-40		III	1502-1502:15	1	26-33
	III	1816:15-1816:30	1	23-33		III	1502:45-1503:15	1+	20-41
	III	1817-1817:45	1	23-41		III	1504-1504:30	1	23-38
	III	1832-1832:30	1-	24-39		III	1522-1522:30	1	24-37
	III	1845-1845:15	1-	23-41		III	1526-1526:45	1+	16-41
	III	1901:30-1902	1+	21-40		III	1533:15-1533:45	1	26-34
	III	1904:45-1906	2+	7.6-41		III	1537-1537:30	1+	24-41
	III	1906:30-1906:45	1-	26-41		III	1539-1539:15	1	26-33
	III	1907:30-1908	1	16-41		III	1539:30-1540:15	2	21-41
	III	1937:30-1938:15	1+	22-41		III	1640-1640:30	1	20-38
	III	1941:15-1941:30	1-	24-31		III	1725:30-1726	1	23-41
	III	1942:45-1943	1+	22-41		III	1734:15-1734:30	1-	24-35
	III	1944:30-1944:45	1+	20-41		III	1735-1735:15	1	25-41
	III	1948:30-1949	2	21-39		III	1736:30-1737:45	2	7.6-41
	III	1951-1951:30	2+	21-40		III	1738:45-1739:15	1	20-38
	III	1952-1952:15	1-	26-40		III	1754:30-1754:45	1-	23-41
	III	2014:45-2015	1	21-36		III	1758:45-1759	1	23-32
	III	2019:30-2020	2	17-37		III	1801:30-1802	1	21-41
	continuum	2052-2150	1-	21-41		III	1802:15-1803:15	2	7.6-41
	III	2226:15-2227	1-	22-40		III	1819-1820	1+	21-41
	III	2243-2243:15	1	21-39		III	1820:45-1822	2+	7.6-41
	III	2244-2244:15	1-	23-38		III	1857:15-1857:30	1-	26-36
	III	2245-2245:15	1-	21-33		III	1904:45-1905:45	1+	20-41
	III	2249-2250:45	3	7.6-41		III	1914:30-1915	1+	10-41
	III	2250:45-2251:15	1-	23-33		III	1921:15-1921:45	1	21-39
	III	2254-2254:15	1-	21-32		continuum	1922:30-1938	1	24-41
	III	2258-2258:15	1+	22-37		III	1923:15-1926	2+	7.6-41
	III	2300-2300:15	1+	21-33		III	1945:45-1947	3	7.6-41
	III	2303:15-2303:30	1+	23-36		III	2023:15-2023:30	1	22-36
	III	2312:15-2312:30	1+	22-38		III	2046:15-2047	1+	21-41
	III	2318:45-2319:30	1	21-37		III	2048-2048:15	1-	25-40
	III	2320:30-2321	1	21-37		continuum	2118-2330	1	20-41
	III	2344:30-2345	1	24-38		IV	2330-0048:30	3	19-41
	III	2345:45-2346	1	23-37		II	2338-2351	2	20-29
	III	2346:30-2346:45	1	24-37	29	continuum	0048:30-0138	2	20-41
28	III	0010:45-0011	1-	22-35		III	1301:30-1302	1	19-41
	III	0015:30-0015:45	1+	16-40		III	1339:15-1339:45	1+	20-41
	III	0018-0019	1	24-40		III	1341:30-1342	1-	18-29

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JULY 1966

UNIVERSITY OF COLORADO

7.6-41 Mc/s

Date July 1966	Bursts				Date July 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
29	III	1403-1403:15	1+	19-37	30	III	2150-2150:30	1-	24-41
	III	1433:15-1434	1	22-41		III	2153:30-2154:45	1+	20-41
	III	1457-1457:15	1	26-36		III	2156-2157	2	7.6-41
	III	1505:45-1506	1	21-36		continuum	2157-2205	1	22-41
	III	1516:30-1516:45	1-	25-35		III	2208:15-2208:45	1+	20-41
	III	1545:45-1546:45	1-	32-38		III	2210:45-2214:30	3	16-41
	III	1549:15-1549:30	1-	27-32		III	2234:30-2234:45	1-	23-41
	III	1610-1610:45	1+	21-41		III	2245:15-2246:45	1	24-41
	III	1618-1618:15	1	27-35		III	2250:45-2251:15	1	27-41
	III	1628:45-1629:15	1	30-41		continuum	2324-a0136	1-	22-36
	III	1632:30-1633	3	12-41	31	III	1251:15-1251:30	1-	29-41
	III	1633:15-1633:30	3	23-41		III	1302:30-1302:45	1-	27-41
	III	1649-1649:15	1-	30-37		III	1325:45-1326	1	26-41
	III	1658-1658:30	1-	25-39		III	1329:30-1329:45	1-	26-38
	III	1718-1720:30	3	16-41		III	1333:15-1333:30	1-	23-41
	III	1725-1727	1+	24-41		III	1350:30-1351:30	3	21-41
	III	1729-1730	1+	19-41		III	1354:45-1355	1-	25-41
	III	1737:15-1737:30	1-	22-35		continuum	1401:30-1425	1	19-41
	III	1749:30-1749:45	1-	30-36		III	1433:15-1433:45	2	19-41
	III	1805-1805:15	1-	25-41		III	1441:15-1443:45	2	19-41
	III	1812:15-1812:30	1	20-37		III	1455:15-1456:30	3	13-41
	III	1815:15-1816	1+	20-41		III	1508:15-1509	1	29-41
	III	1822:30-1822:45	1	21-36		III	1509:45-1510	1	29-41
	III	1823:30-1823:45	1	22-31		III	1619-1620	1+	22-41
	III	1825:15-1825:45	1+	21-41		III	1707:45-1708:15	1-	22-41
	III	1829:15-1829:30	1-	20-41		III	1710-1710:15	1-	30-41
	III	1830:15-1830:30	1-	19-32		III	1757:45-1759	1+	21-41
	III	1838:45-1839:15	1+	22-41		III	1821:45-1822	1-	27-41
	III	1858:15-1858:45	1+	16-41		III	1828:45-1829	1	27-41
	continuum	1900-a0100	1	20-41		III	1837:45-1838:15	1	27-41
	III	1910:45-1911:30	2	7.6-41		III	1842:15-1842:30	1+	21-41
	III	1913:15-1914:30	2	7.6-41		III	1845:45-1846	1	25-41
	III	2246-2247:45	2	7.6-41		III	1854:30-1854:45	1	24-41
	III	2259-2300:45	2	16-41		III	1855:30-1855:45	1	23-41
30		* 1200-1800				III	1903:15-1903:30	1	33-41
	III	1801:30-1803	2	7.6-41		III	1916:45-1917:00	1-	33-41
	III	1826:30-1826:45	1	22-41		III	2118:15-2119:15	2	21-41
	III	1839:30-1840	1+	20-41		III	2122:15-2122:45	1-	24-41
	III	1842:30-1842:45	1-	23-39		III	2323:45-2324	1	22-41
	III	1851:30-1852	2	21-41		III	2330:15-2330:30	1	25-41
	continuum	1904:30-1925	1	19-41		III	2358-2358:30	1	28-41
	III	1932:45-1933	1	22-41					
	III	1948:45-1949	1	24-41					
	III	2016:15-2016:30	1	22-36					
	III	2034:30-2035	1	24-41					
	III	2050:45-2051	1-	22-36					
	III	2051:45-2051:30	1+	20-41					
	III	2101:30-2103	1+	20-41					
	III	2143:45-2144:15	1-	22-41					
	III	2148:45-2149	1-	20-41					

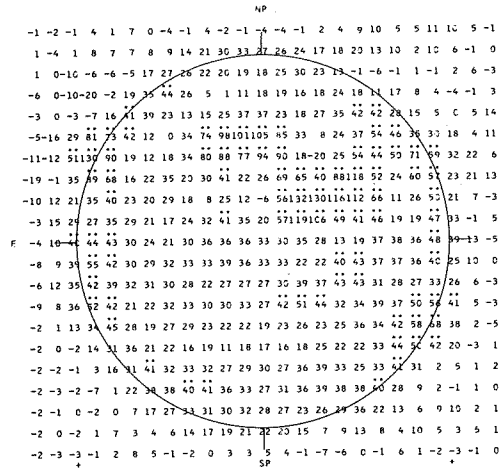
* = Data for this period are not available and will be reported in the September report.

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

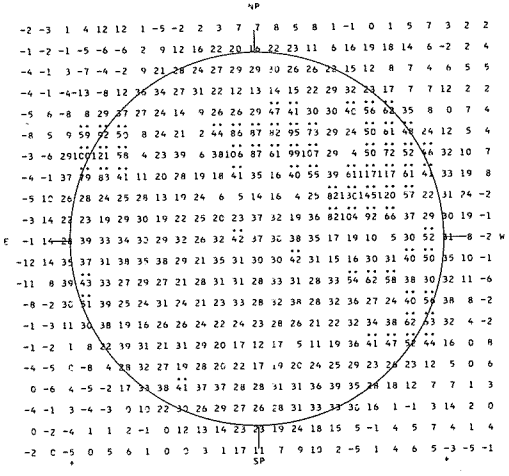
STANFORD

JULY 1966

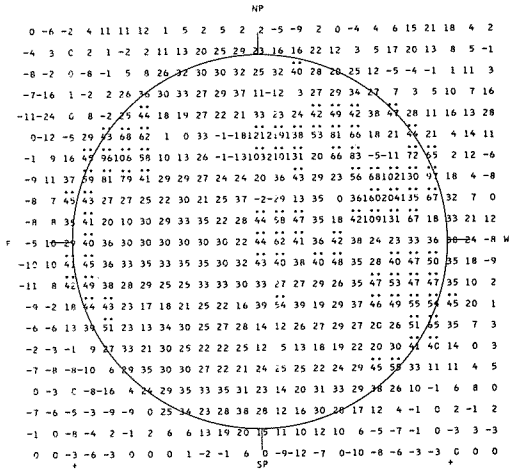
9.1 cm



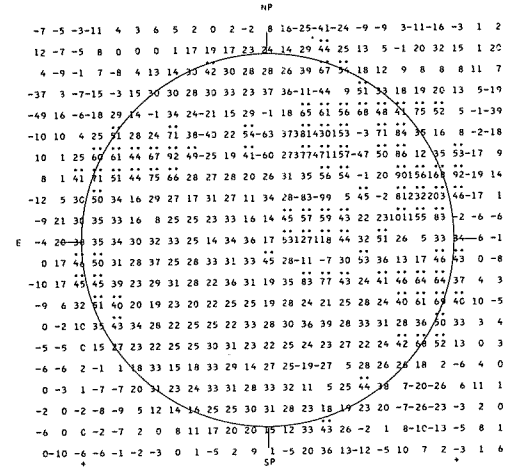
9.1 CM SPECTROHELIOGRAM
STANFORD, 01 JUL 1966 20-21 HRS UT. S = 97(NRC) BRIGHTNESS UNIT = 1000 K



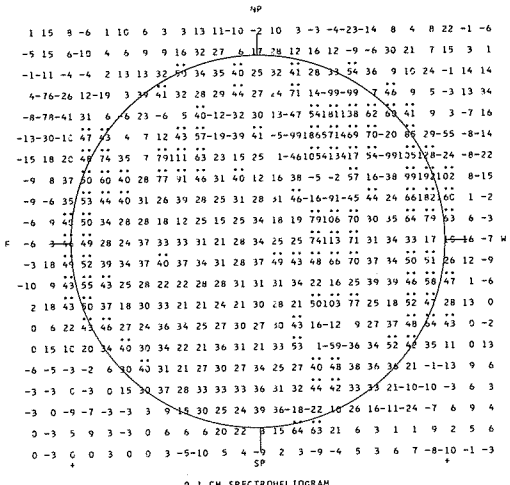
9.1 CM SPECTROHELIOGRAM
STANFORD, 02 JUL 1966 20-21 HOURS UT. S = 95 BRIGHTNESS UNIT = 1000 K



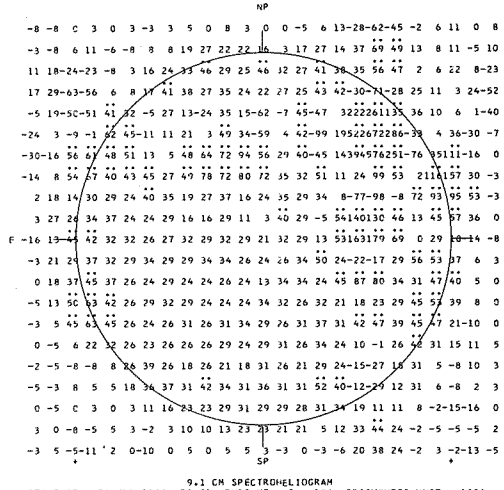
9.1 CM SPECTROHELIOGRAM
STANFORD, 03 JUL 1966 20-21 HOURS UT. S = 96 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 04 JUL 1966 20-21 HOURS UT. S = 101 BRIGHTNESS UNIT = 1000 K



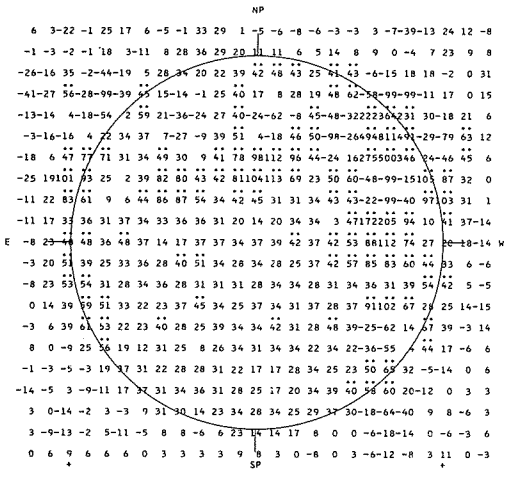
9.1 CM SPECTROHELIOGRAM
STANFORD, 05 JUL 1966 20-21 HOURS UT. S = 102 BRIGHTNESS UNIT = 1000 K



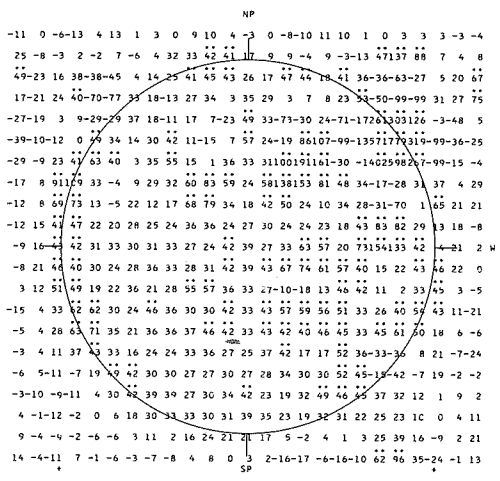
9.1 CM SPECTROHELIOGRAM
STANFORD, 06 JUL 1966 20-21 HOURS UT. S = 106 BRIGHTNESS UNIT = 1000

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

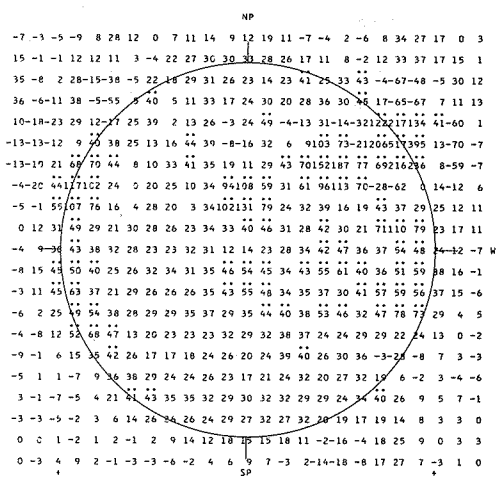
STANFORD — **JULY 1966** — **9.1 cm**



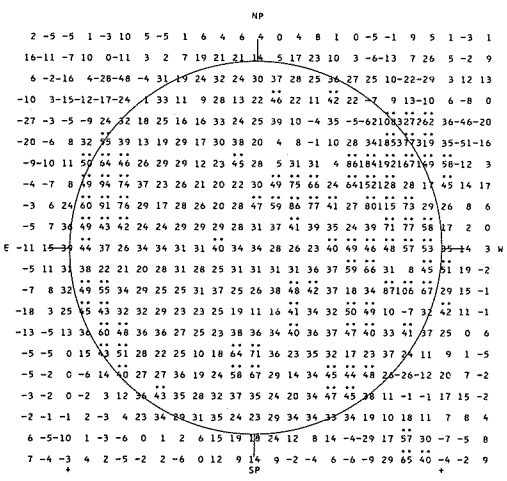
9.1 CM SPECTROHELIOGRAM
STANFORD, 07 JUL 1966 20-21 HOURS UT. S = 109 BRIGHTNESS UNIT = 1000 K



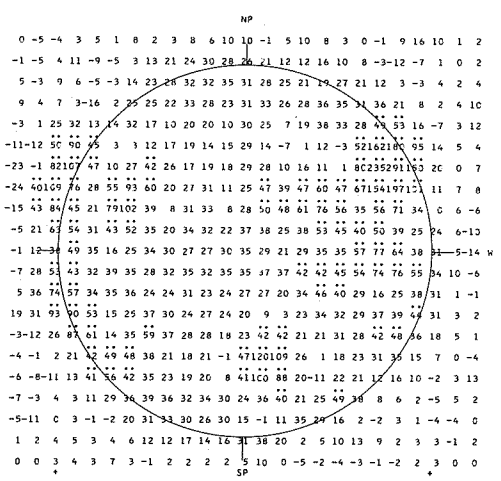
9.1 CM SPECTROHELIOGRAM
STANFORD, 08 JUL 1966 20-21 HOURS UT. S = 111 BRIGHTNESS UNIT = 1000 K



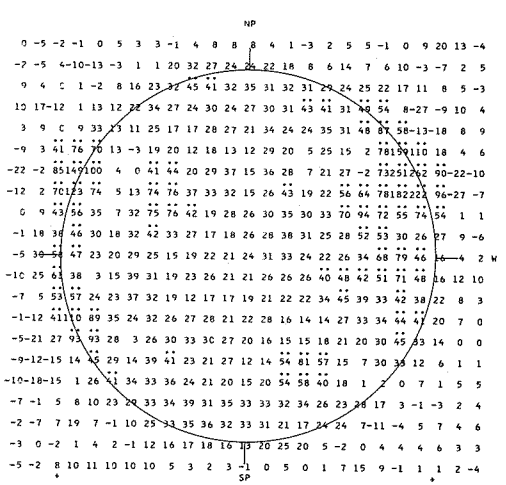
9.1 CM SPECTROHELIOGRAM
STANFORD, 09 JUL 1966 20-21 HOURS UT. S = 104 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 10 JUL 1966 20-21 HOURS UT. S = 105 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 11 JUL 1966 20-21 HOURS UT. S = 105 BRIGHTNESS UNIT = 1000 K



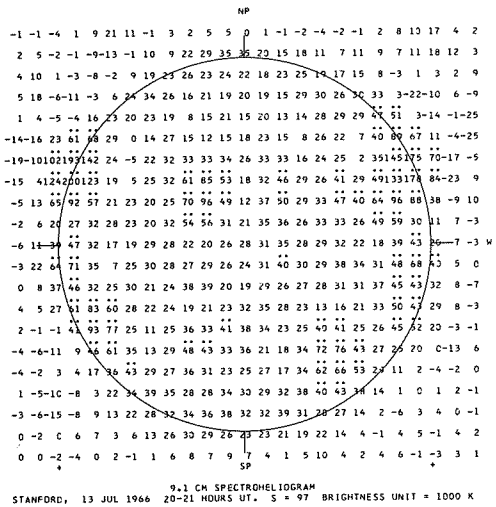
9.1 CM SPECTROHELIOGRAM
STANFORD, 12 JUL 1966 20-21 HOURS UT. S = 99 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

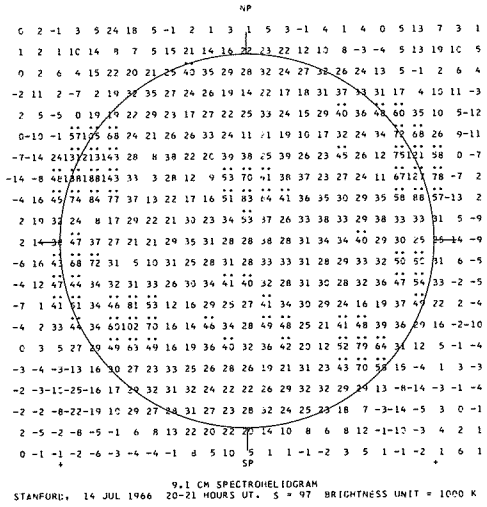
STANFORD

JULY 1966

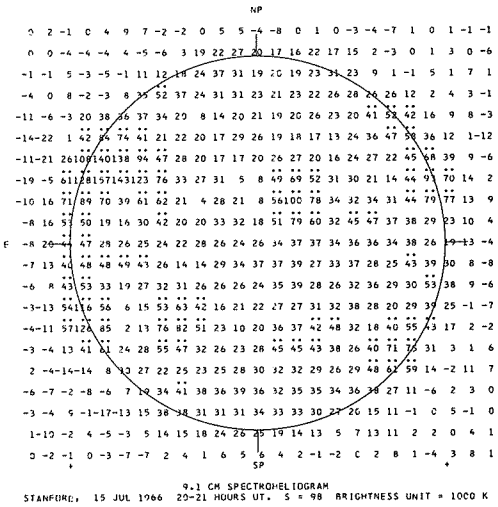
9.1 cm



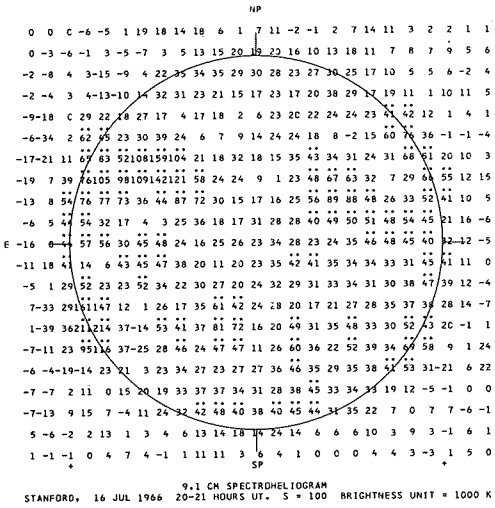
9.1 CM SPECTROHELIOGRAM
STANFORD, 13 JUL 1966 20-21 HOURS UT. S = 97 BRIGHTNESS UNIT = 1000 K



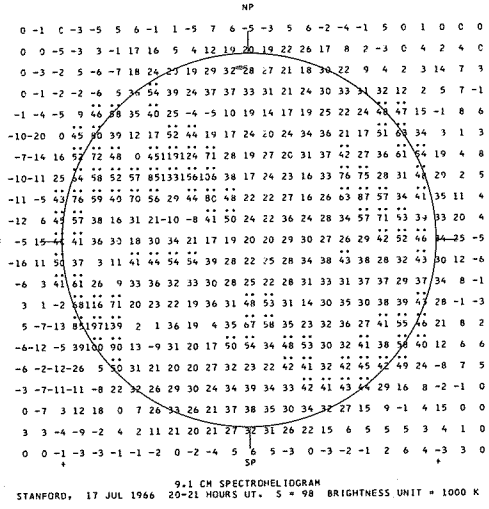
9.1 CM SPECTROHELIOGRAM
STANFORD, 14 JUL 1966 20-21 HOURS UT. S = 97 BRIGHTNESS UNIT = 1000 K



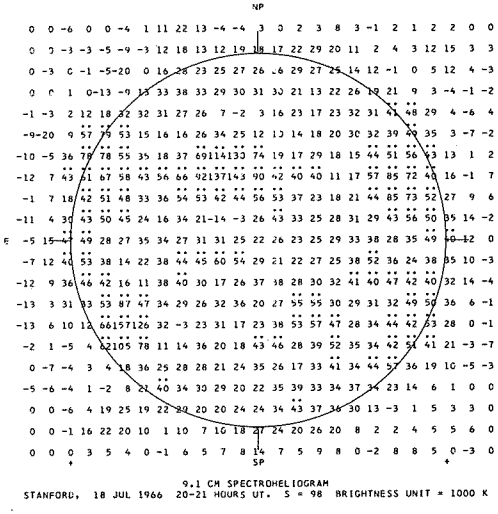
9.1 CM SPECTROHELIOGRAM
STANFORD, 15 JUL 1966 20-21 HOURS UT. S = 98 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 16 JUL 1966 20-21 HOURS UT. S = 100 BRIGHTNESS UNIT = 1000 K



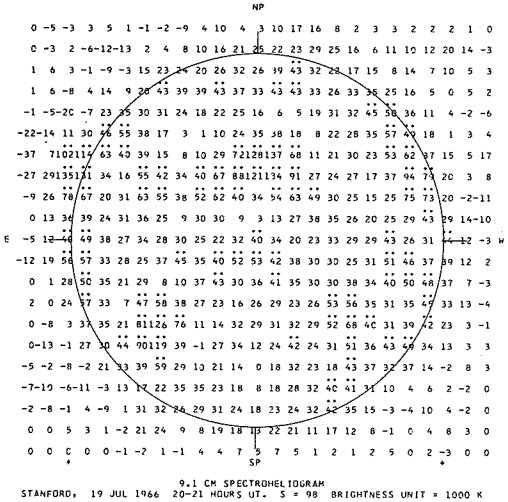
9.1 CM SPECTROHELIOGRAM
STANFORD, 17 JUL 1966 20-21 HOURS UT. S = 98 BRIGHTNESS UNIT = 1000 K



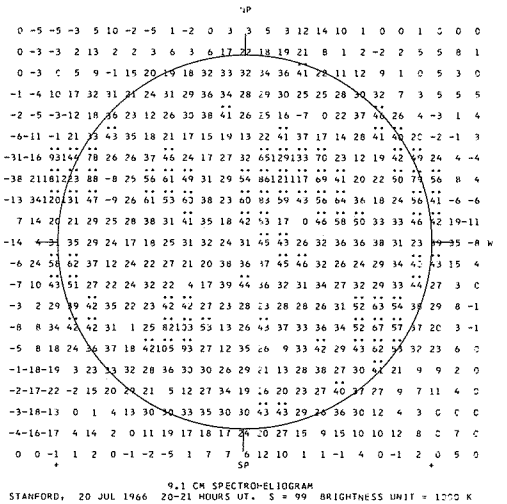
9.1 CM SPECTROHELIOGRAM
STANFORD, 18 JUL 1966 20-21 HOURS UT. S = 98 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

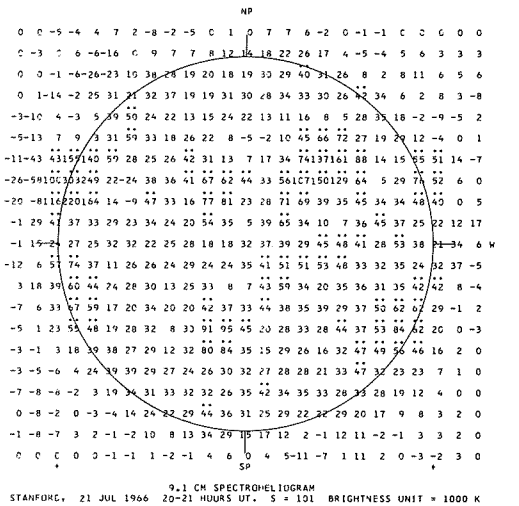
STANFORD JULY 1966 **9.1 cm**



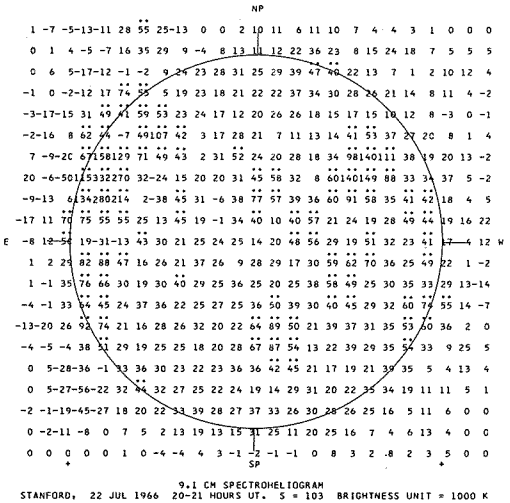
9.1 CM SPECTROHELIOGRAM
STANFORD, 19 JUL 1966 20-21 HOURS UT. S = 98 BRIGHTNESS UNIT = 1000 K



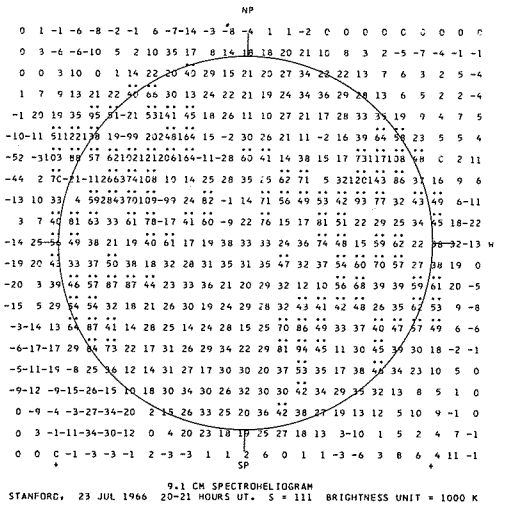
9.1 CM SPECTROHELIOGRAM
STANFORD, 20 JUL 1966 20-21 HOURS UT. S = 99 BRIGHTNESS UNIT = 1000 K



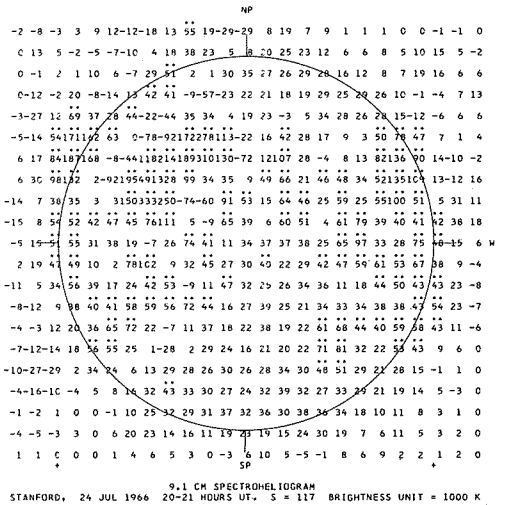
9.1 CM SPECTROHELIOGRAM
STANFORD, 21 JUL 1966 20-21 HOURS UT. S = 101 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 22 JUL 1966 20-21 HOURS UT. S = 103 BRIGHTNESS UNIT = 1000 K



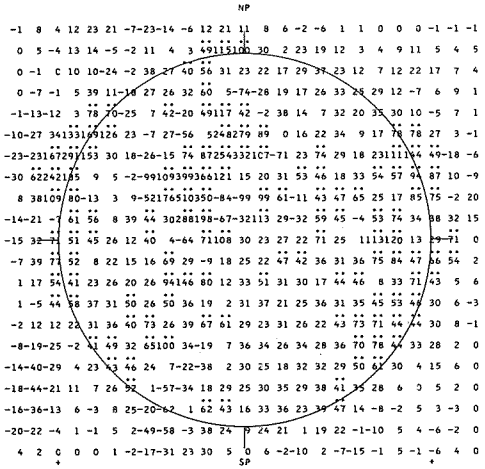
9.1 CM SPECTROHELIOGRAM
STANFORD, 23 JUL 1966 20-21 HOURS UT. S = 111 BRIGHTNESS UNIT = 1000 K



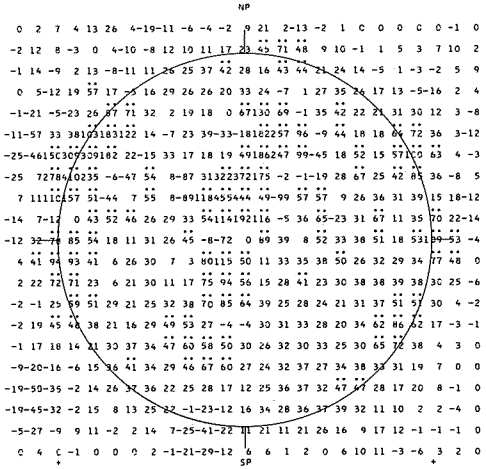
9.1 CM SPECTROHELIOGRAM
STANFORD, 24 JUL 1966 20-21 HOURS UT. S = 117 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

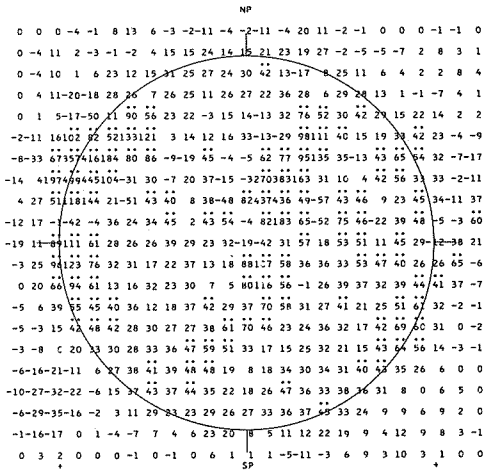
STANFORD — **JULY 1966** — **9.1 cm**



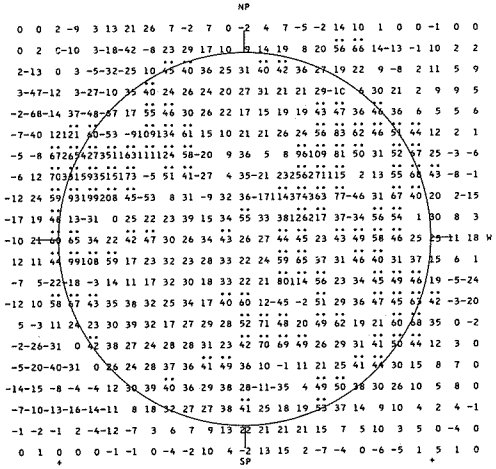
9.1 CM SPECTROHELIOGRAM
STANFORD, 25 JUL 1966 20-21 HOURS UT. S = 122 BRIGHTNESS UNIT = 1000 K



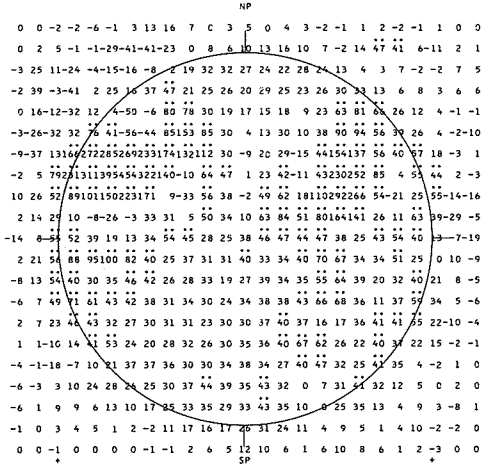
9.1 CM SPECTROHELIOGRAM
STANFORD, 26 JUL 1966 20-21 HOURS UT. S = 124 BRIGHTNESS UNIT = 1000 K



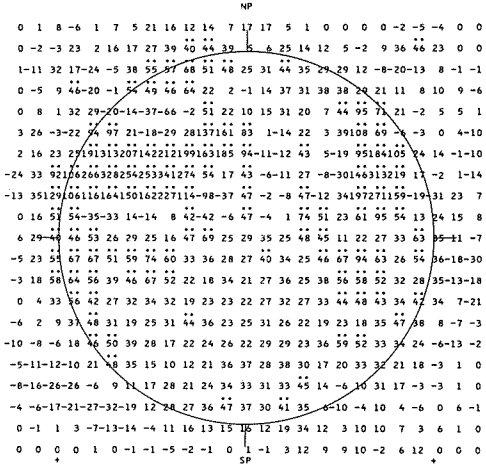
9.1 CM SPECTROHELIOGRAM
STANFORD, 27 JUL 1966 20-21 HOURS UT. S = 120 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 28 JUL 1966 20-21 HOURS UT. S = 121 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 29 JUL 1966 20-21 HOURS UT. S = 129 BRIGHTNESS UNIT = 1000 K



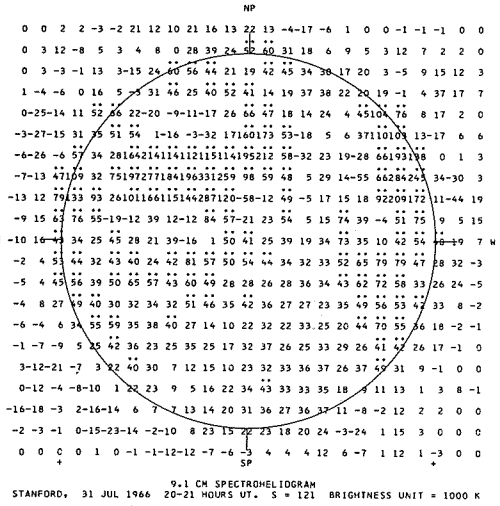
9.1 CM SPECTROHELIOGRAM
STANFORD, 30 JUL 1966 20-21 HOURS UT. S = 124 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

STANFORD

JULY 1966

9.1 cm



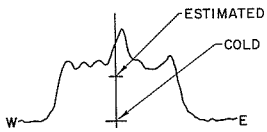
9.1 CM SPECTROHELIOGRAM
STANFORD, 31 JUL 1966 20-21 HOURS UT. S = 121 BRIGHTNESS UNIT = 1000 K

EAST - WEST SOLAR SCANS

JULY 1966

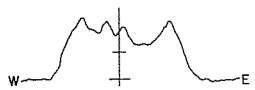
FLEURS, AUSTRALIA

21 cm
Fan - Beam with 2 minutes of arc
E - W Resolution

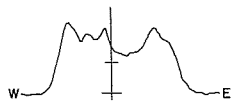


1966 July 1 0113 U.T.

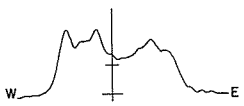
NO DATA
1966 July 2



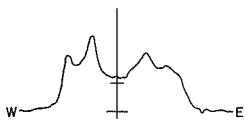
1966 July 3 0201 U.T.



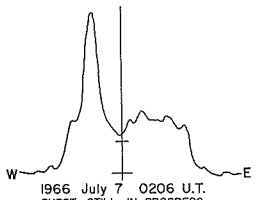
1966 July 4 0118 U.T.



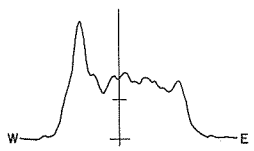
1966 July 5 0157 U.T.



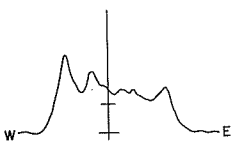
1966 July 6 0114 U.T.



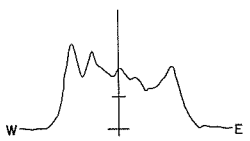
1966 July 7 0206 U.T.
BURST STILL IN PROGRESS



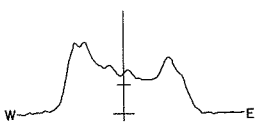
1966 July 8 0202 U.T.



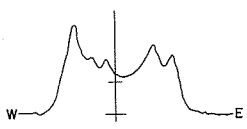
1966 July 9 0202 U.T



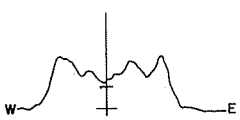
1966 July 10 0119 U.T.



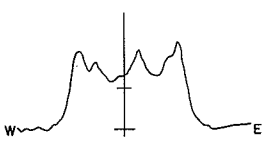
1966 July 11 0115 U.T.



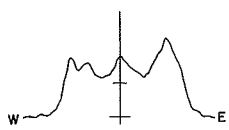
1966 July 12 0209 U.T.



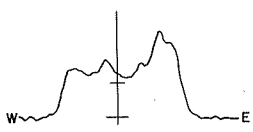
1966 July 13 0115 U.T.



1966 July 14 0207 U.T.

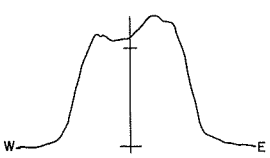


1966 July 15 0116 U.T.

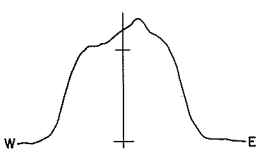


1966 July 16 0202 U.T.

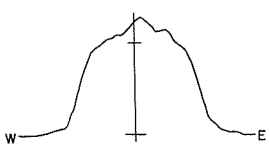
NO DATA
1966 July 17



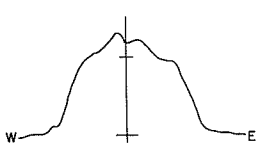
1966 July 18 0220 U.T.



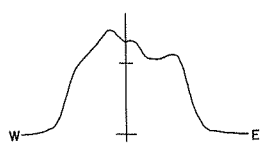
1966 July 19 0212 U.T.



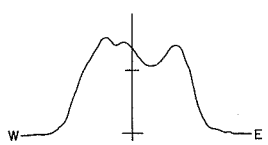
1966 July 20 0154 U.T.



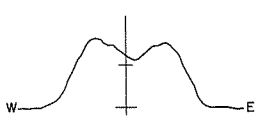
1966 July 21 0154 U.T.



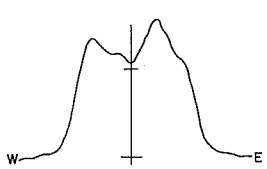
1966 July 22 0154 U.T.



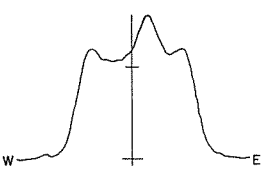
1966 July 23 0203 U.T.



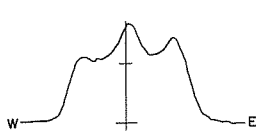
1966 July 24 0203 U.T.



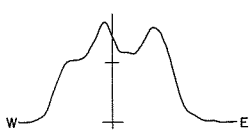
1966 July 25 0203 U.T.



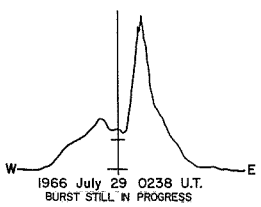
1966 July 26 0203 U.T.



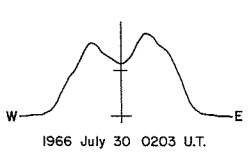
1966 July 27 0203 U.T.



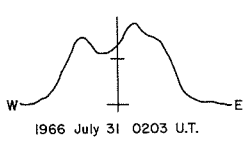
1966 July 28 0045 U.T.



1966 July 29 0238 U.T.
BURST STILL IN PROGRESS



1966 July 30 0203 U.T.



1966 July 31 0203 U.T.

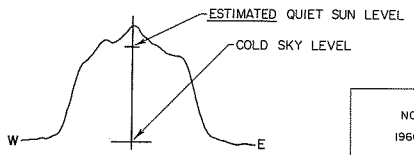
EAST - WEST SOLAR SCANS

IVbb

FLEURS, AUSTRALIA

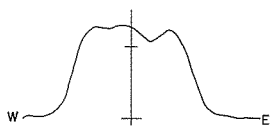
JUNE 1966

43 cm
Fan-Beam with 4 minutes of arc
E-W Resolution

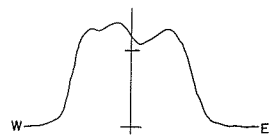


1966 July 1 0152 U.T.

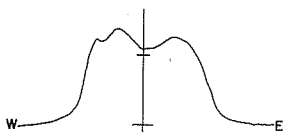
NO DATA
1966 July 2



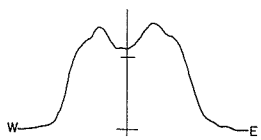
1966 July 3 0112 U.T.



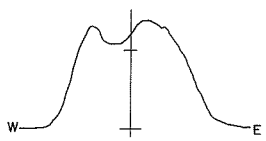
1966 July 4 0201 U.T.



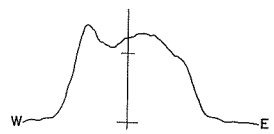
1966 July 5 0152 U.T.



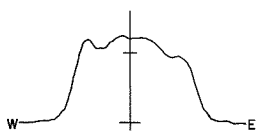
1966 July 6 0153 U.T.



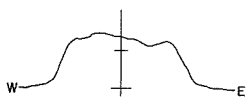
1966 July 7 0012 U.T.



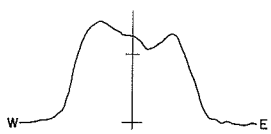
1966 July 8 0202 U.T.



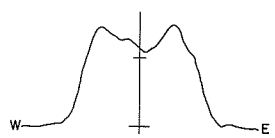
1966 July 9 0153 U.T.



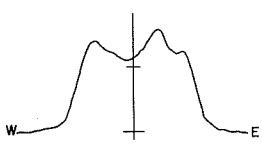
1966 July 10 0202 U.T.



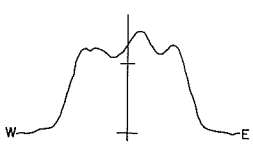
1966 July 11 0211 U.T.



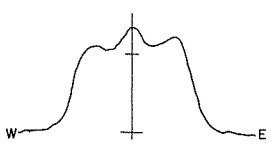
1966 July 12 0202 U.T.



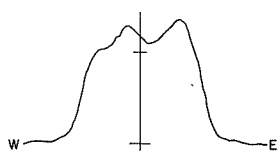
1966 July 13 0202 U.T.



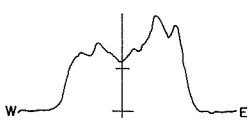
1966 July 14 0203 U.T.



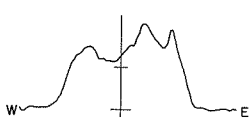
1966 July 15 0203 U.T.



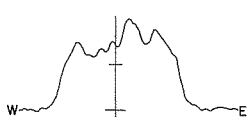
1966 July 16 0203 U.T.



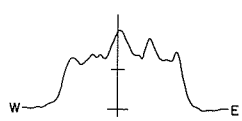
1966 July 17 0154 U.T



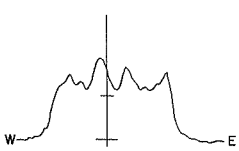
1966 July 18 0112 U.T.



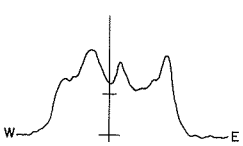
1966 July 19 0159 U.T.



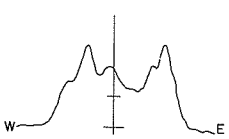
1966 July 20 0121 U.T.



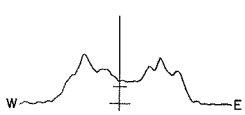
1966 July 21 0203 U.T



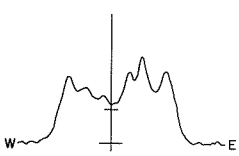
1966 July 22 0108 U.T.



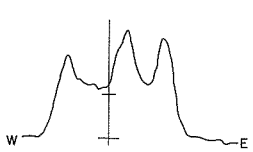
1966 July 23 0159 U.T.



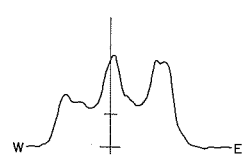
1966 July 24 0159 U.T.



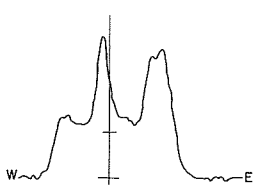
1966 July 25 0108 U.T.



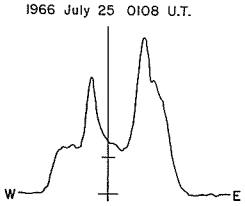
1966 July 26 0203 U.T.



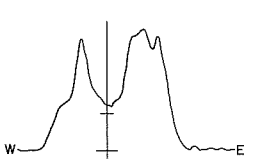
1966 July 27 0121 U.T.



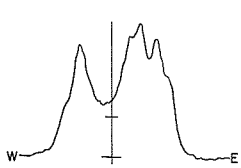
1966 July 28 0220 U.T.



1966 July 29 0159 U.T.



1966 July 30 0207 U.T.



1966 July 31 0155 U.T.

COSMIC RAY INDICES

(Neutron Monitors)

JUNE 1966

JUNE 1966	CHURCHILL	DEEP RIVER	CLIMAX	DALLAS
	DAILY AVERAGE COUNTS PER HOUR	DAILY AVERAGE COUNTS PER HOUR	DAILY AVERAGE COUNTS PER HOUR	DAILY AVERAGE COUNTS PER HOUR
1	*	6736.2	4024.4	*
2		6781.7	4064.9	
3		6810.3	4086.3	
4		6816.0	4111.8	
5		6837.2	4122.4	
6		6850.2	4142.8	
7		6862.2	4145.9	
8		6862.9	4131.7	
9		6891.8	4142.0	
10		6932.5	4161.3	
11		6958.2	4174.1	
12		6948.2	4180.0**	
13		6961.2	4206.3**	
14		6967.0	4146.5	
15		6993.8	4204.7	
16		6992.0	4206.0	
17		6991.2	4199.2	
18		6978.5	4188.0	
19		6955.3	4169.2	
20		6906.7	4150.3**	
21		6925.9	4166.5**	
22		6923.8	4164.6**	
23		6916.4	4183.9**	
24		6885.2	4148.5	
25		6831.6	4127.4	
26		6829.7	4126.5	
27		6881.0	4136.9	
28		6894.7	4141.5	
29		6819.3	4086.1	
30		6823.4	4087.8	

* The data for Dallas and Churchill have not been processed. It will be published when it becomes available.

** Number of section hours for which data are available is less than 40.

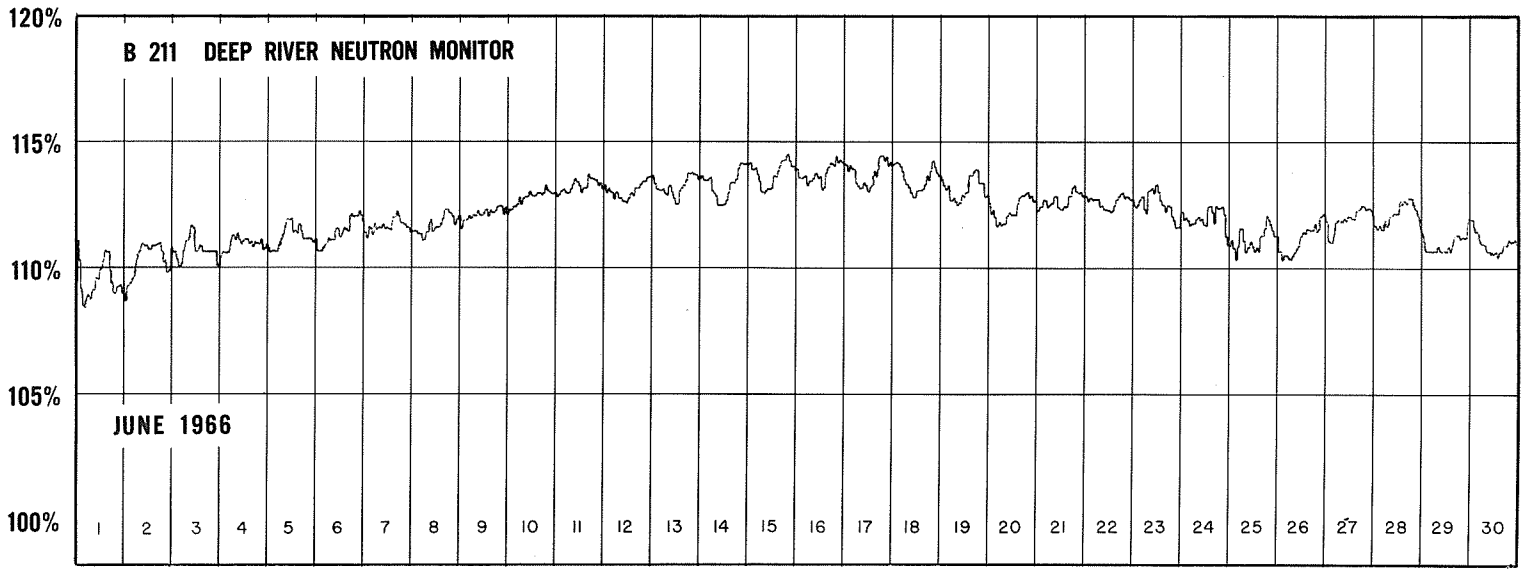
Deep River Neutron Monitor, Scaling Factor 300.

Climax IGC Station B305, Scaling Factor 100.

COSMIC RAY INDICES

(Pressure Corrected Hourly Totals)

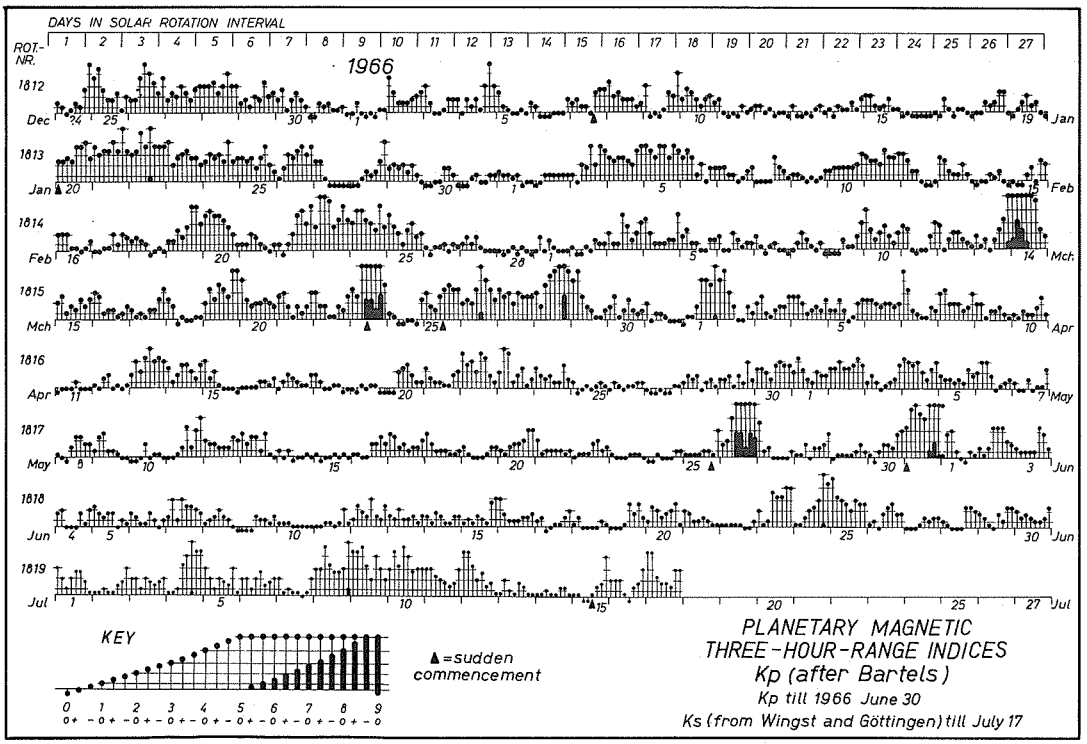
JUNE 1966



GEOMAGNETIC ACTIVITY INDICES

JUNE 1966

Day		Three-hour range indices Kp								Sum	Prel. Ci	Cp	Ap
		1	2	3	4	5	6	7	8				
1	D	5+	3-	3o	1o	0+	0o	1o	1-	14o	0.9	0.7	12
2	D	1+	1-	1+	3+	3+	3+	2o	2-	17+	0.7	0.6	10
3		1+	1o	1o	1o	1o	3+	3-	1+	13-	0.6	0.4	7
4		2-	2o	0+	0+	0+	2-	1-	2o	9o	0.2	0.2	4
5		2+	2-	1+	2-	2-	0+	1o	1-	11-	0.4	0.2	5
6	q	2-	1+	1-	1-	2-	1o	0+	1o	8+	0.2	0.1	4
7		1+	3o	1o	3o	2+	2+	2o	2-	16+	0.6	0.5	9
8	q	1-	1o	1+	2o	1+	1o	0+	0o	8-	0.2	0.1	4
9	Q	0o	0o	0o	1+	1o	1o	1-	1+	5+	0.2	0.0	3
10	Q	1-	1-	1-	0+	0+	0+	0+	0+	4-	0.0	0.0	2
11	Q	0+	0+	1-	1-	0+	1-	2o	1-	6-	0.2	0.1	3
12		1o	2+	2-	1+	3o	1+	1o	2+	14o	0.6	0.4	7
13		1+	1o	2o	1o	1o	1+	1-	1+	10-	0.2	0.2	5
14	q	1+	1-	2-	1+	1-	1-	1+	1+	9o	0.2	0.2	4
15		1-	1o	1-	1+	1o	1-	3-	3o	11o	0.3	0.3	6
16		3o	2-	1o	1o	1o	1+	1+	2-	12o	0.4	0.3	6
17	q	1o	1+	0o	0+	1-	1-	1+	2o	7+	0.2	0.1	4
18	Q	1-	1+	0+	0+	0+	0+	1o	1-	5o	0.1	0.1	3
19		0+	0+	0+	1-	3-	2-	3-	1+	10o	0.5	0.2	6
20		1o	2+	2o	1+	2-	2o	3-	1-	14-	0.4	0.3	7
21		2o	2-	1o	1o	1+	1o	1-	1-	9+	0.2	0.2	4
22	Q	1-	1-	1-	1-	1-	0+	0+	1o	5o	0.1	0.1	3
23	D	2o	1-	1o	4-	3+	3+	4o	4o	22o	1.0	0.9	17
24	D	1-	1-	1+	2o	2+	3o	5+	4+	20-	1.0	0.9	16
25	D	5-	3+	3o	3-	2o	3o	3-	3-	24o	1.0	0.9	16
26		1-	1o	0+	2-	2+	3-	2-	2-	12o	0.4	0.3	6
27	q	0+	0+	0+	1-	1+	1o	1+	1+	7-	0.1	0.1	4
28		1o	1-	0+	0+	0+	2+	2+	2o	9+	0.3	0.2	5
29		2-	1+	1-	0+	2-	1o	2+	2+	11+	0.3	0.2	6
30		2o	1+	2-	1+	1o	1o	1+	2+	12o	0.5	0.3	6
										Means:	0.40	0.34	6
										No. of days :	30	30	30



DAILY AVERAGE INDICES Ap

	Day	1965 July	Aug.	Sep.	Oct.	Nov.	Dec.	1966 Jan.	Feb.	Mar.	Apr.	May	June
	1	13	5	6	2	4	19	2	3	3	18	8	12
	2	5	11	5	16	5	9	8	3	3	13	12	10
	3	5	6	4	3	1	2	6	11	10	7	5	7
	4	3	7	16	1	8	11	11	13	9	8	12	4
	5	3	4	9	8	13	3	4	18	5	6	6	5
	6	19	3	9	2	17	3	2	8	4	7	7	4
	7	8	6	7	6	9	3	7	4	2	10	4	9
	8	21	6	4	15	4	4	8	4	3	10	5	4
	9	12	7	3	4	5	6	8	3	4	5	5	3
	10	14	4	3	3	0	10	7	7	10	5	2	2
	11	2	6	4	3	3	10	2	12	6	2	10	3
	12	5	6	11	6	3	10	2	5	6	3	6	7
	13	5	3	6	8	10	6	2	6	14	15	7	5
	14	4	8	3	6	3	2	3	2	64	8	2	4
	15	10	6	15	2	2	1	5	4	7	4	2	6
	16	4	7	35	2	1	1	0	5	7	3	5	6
	17	2	11	18	2	4	2	2	4	6	4	7	4
	18	6	21	16	6	6	12	5	3	4	3	5	3
	19	13	27	17	4	10	7	3	14	20	2	3	6
	20	5	17	5	2	17	4	15	17	10	5	8	7
	21	3	12	5	1	10	2	23	4	8	5	4	4
	22	4	5	5	14	4	6	27	14	7	13	4	3
	23	13	9	10	19	2	3	14	28	67	10	2	17
	24	7	14	10	14	4	9	14	19	2	6	2	16
	25	6	13	12	11	5	12	11	10	14	3	5	16
	26	4	7	9	7	4	19	14	3	20	3	78	6
	27	8	6	20	6	4	10	3	4	13	1	5	4
	28	15	3	27	15	2	16	7	2	42	4	5	5
	29	12	6	7	5	3	8	6		12	6	4	6
	30	4	8	3	8	12	6	2		6	10	6	6
	31	3	11		6		3	2		3		48	
	Mean:	8	9	10	7	6	7	7	8	13	7	9	6

RADIO PROPAGATION QUALITY FIGURES AND FORECASTS

NORTH ATLANTIC, NORTH PACIFIC — JUNE 1966

JUNE 1966	WHOLE DAY INDICES			ADVANCE FORECASTS (Jc-REPORTS) FOR WHOLE DAY	NORTH ATLANTIC 6-HOURLY QUALITY FIGURES				NORTH ATLANTIC SHORT-TERM FORECASTS ISSUED ABOUT ONE HOUR IN ADVANCE OF:				NORTH PACIFIC 6-HOURLY QUALITY FIGURES				GEOMAGNETIC INDICES							
																	K_{FR}		A_{FR}		K_{SI}		A_{SI}	
	NORTH ATLANTIC	NORTH PACIFIC	AVERAGE HIGH LATITUDE		00 TO 06	06 TO 12	12 TO 18	18 TO 24	00	06	12	18	00 TO 06	06 TO 12	12 TO 18	18 TO 24	HALF DAY (1)	(2)	OBSERVED	PREDICTED	HALF DAY (1)	(2)		
01	6o	5	6	7	5o	5+	7-	7o	5	4	7	7	5	5	5	5	3	1	10	3	2	0	8	
02	7-	6	6	6	7-	7-	7o	7o	7	6	7	7	6	6	6	6	2	2	7	7	2	2	10	
03	7-	5	6	6	7-	7-	7-	7o	7	7	7	7	6	6	5	5	2	2	7	5	1	1	4	
04	7-	6	6	7	7-	7-	7-	7o	7	6	7	7	6	6	6	6	1	2	6	5	1	1	4	
05	7-	6	6	7	7o	7-	7-	7o	7	6	7	7	6	6	6	6	3	2	9	3	2	0	5	
06	7o	5	6	7	7o	7-	7o	7o	7	7	7	7	5	5	5	5	2	1	6	3	0	1	2	
07	7o	6	7	7	7o	7-	7o	7+	7	7	7	7	6	5	6	6	3	3	12	10	2	2	12	
08	7o	6	7	7	7o	7-	7o	7o	7	7	7	7	6	6	6	7	2	1	4	10	2	0	4	
09	7o	6	7	7	7o	7-	7o	7o	7	7	7	7	7	6	6	7	0	1	2	6	0	1	2	
10	7-	6	6	7	7o	7-	7-	7-	7	7	7	7	6	6	6	6	1	1	2	4	1	0	1	
11	7-	6	6	7	7o	7-	7-	7o	7	7	7	7	6	6	6	6	1	1	3	2	1	0	2	
12	7-	6	6	7	7o	7-	7-	7o	7	7	7	7	6	6	6	6	2	2	7	2	1	2	6	
13	7-	6	6	7	7o	6+	7-	7-	7	7	7	7	6	6	6	6	2	1	5	4	1	1	4	
14	7o	6	7	7	7o	7-	7o	7-	7	7	7	7	6	6	6	6	2	1	4	6	2	0	3	
15	7-	6	6	7	7o	6+	7-	7o	7	7	7	7	6	6	6	6	1	2	7	6	0	1	3	
16	7-	6	6	7	7o	6+	7-	7-	7	7	7	7	6	6	6	6	1	2	5	6	2	1	5	
17	7o	6	7	7	7o	7-	7o	7o	7	7	7	7	6	6	6	7	1	1	4	6	1	1	3	
18	7-	6	6	7	7o	6+	7o	7o	7	7	7	7	6	6	6	7	1	0	2	4	0	0	2	
19	7-	6	6	7	7-	6+	7-	7o	7	7	7	7	6	6	6	6	0	3	6	2	0	2	4	
20	7-	6	6	7	7-	6+	7-	7o	7	6	7	7	6	6	6	7	2	2	7	2	2	2	7	
21	7-	6	6	7	7-	6+	7o	7o	7	6	7	7	6	6	6	6	2	2	5	4	2	0	3	
22	7o	6	7	7	7o	7-	7o	7o	7	7	7	7	6	6	6	6	1	1	3	7	0	0	1	
23	7-	6	6	7	7o	7-	7o	6+	7	7	7	7	6	6	6	6	2	3	10	5	2	3	11	
24	7-	6	6	7	7o	6+	7-	7o	6	6	7	7	6	6	6	6	2	(4)	17	5	1	3	9	
25	6+	6	6	7	6-	6o	7-	7o	6	6	7	7	6	6	6	6	3	2	14	5	(4)	2	17	
26	7-	6	6	7	7-	7-	7-	7o	7	7	7	7	6	6	6	6	1	2	5	5	1	1	3	
27	7-	6	6	6	7o	7-	7-	7o	5	5	7	7	6	6	6	5	1	2	3	11	0	1	2	
28	7-	7	6	6	7o	7-	7-	7o	7	7	7	7	6	7	6	7	1	2	5	11	0	1	3	
29	7-	6	6	7	7o	6+	7-	7o	7	7	7	7	6	6	6	6	1	2	5	11	1	1	4	
30	7o	6	7	7	7o	6+	7-	7-	6	6	7	7	6	6	6	6	2	1	6	6	2	1	5	

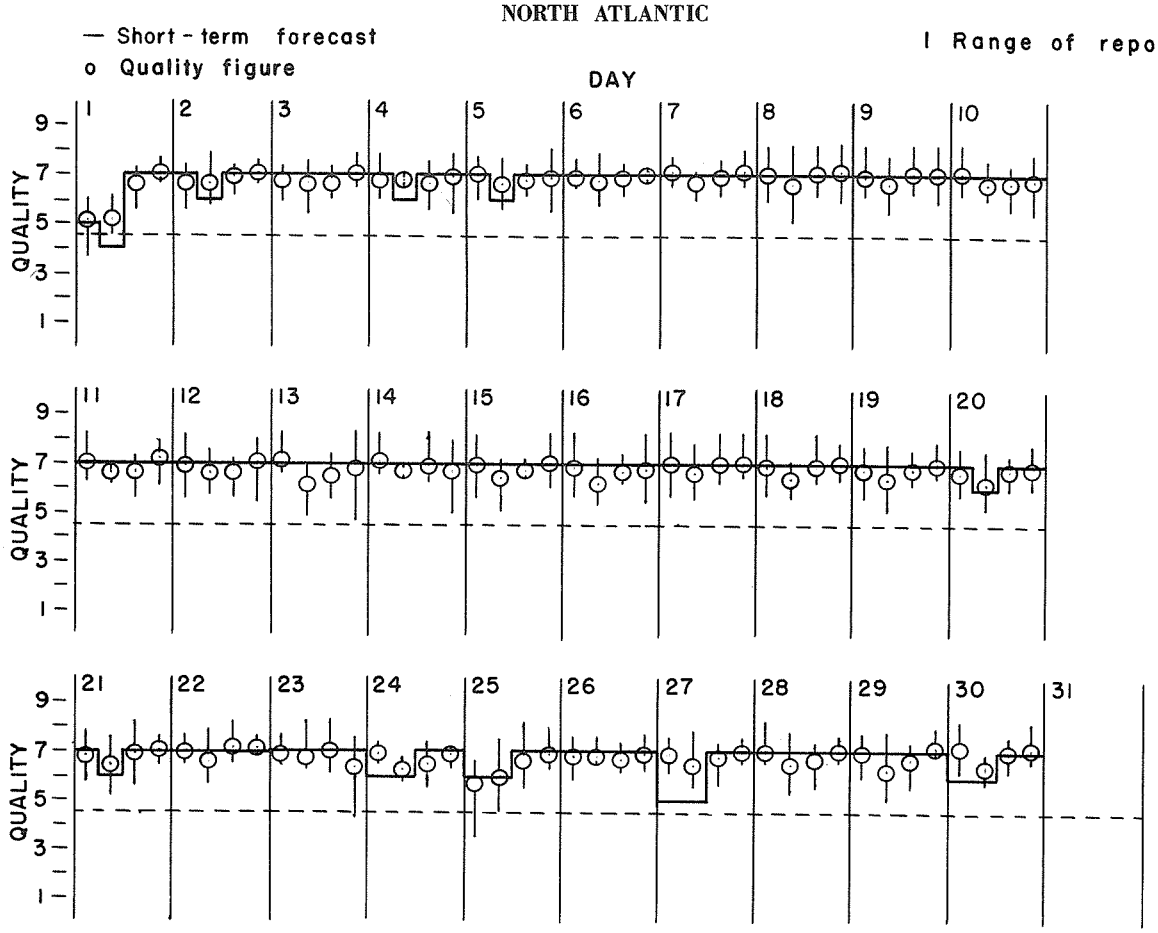
QUIET	P	11	27	19	30	29	
	S	19	2	10	0	1	
	U	0	1	1	0	0	
	F	0	0	0	0	0	
DISTURBED	P	0	0	0	0	0	
	S	0	0	0	0	0	
	U	0	0	0	0	0	
	F	0	0	0	0	0	

1) THE ADVANCE JC-FORECASTS ARE SCORED AGAINST THE AVERAGE HIGH LATITUDE WHOLE-DAY INDICES.

2) THE PREDICTED AFR INDICES ARE ISSUED EACH WEDNESDAY FOR THE COMING SEVEN DAYS. THE VALUE FOR THE FIRST DAY OF EACH PREDICTION PERIOD IS UNDERSCORED.

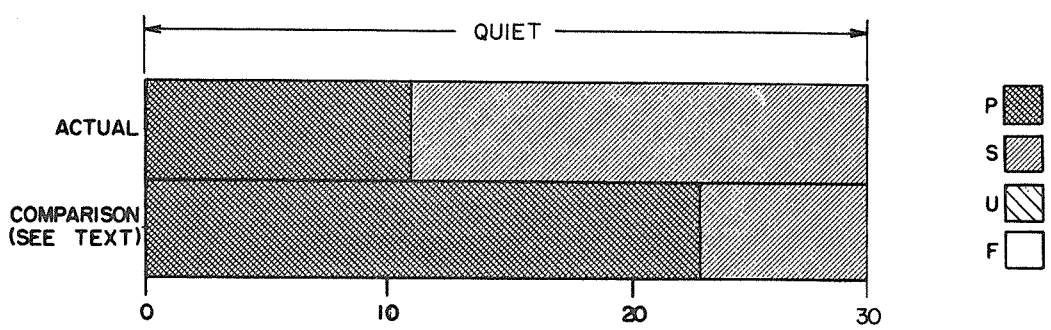
JUNE 1966

NORTH ATLANTIC



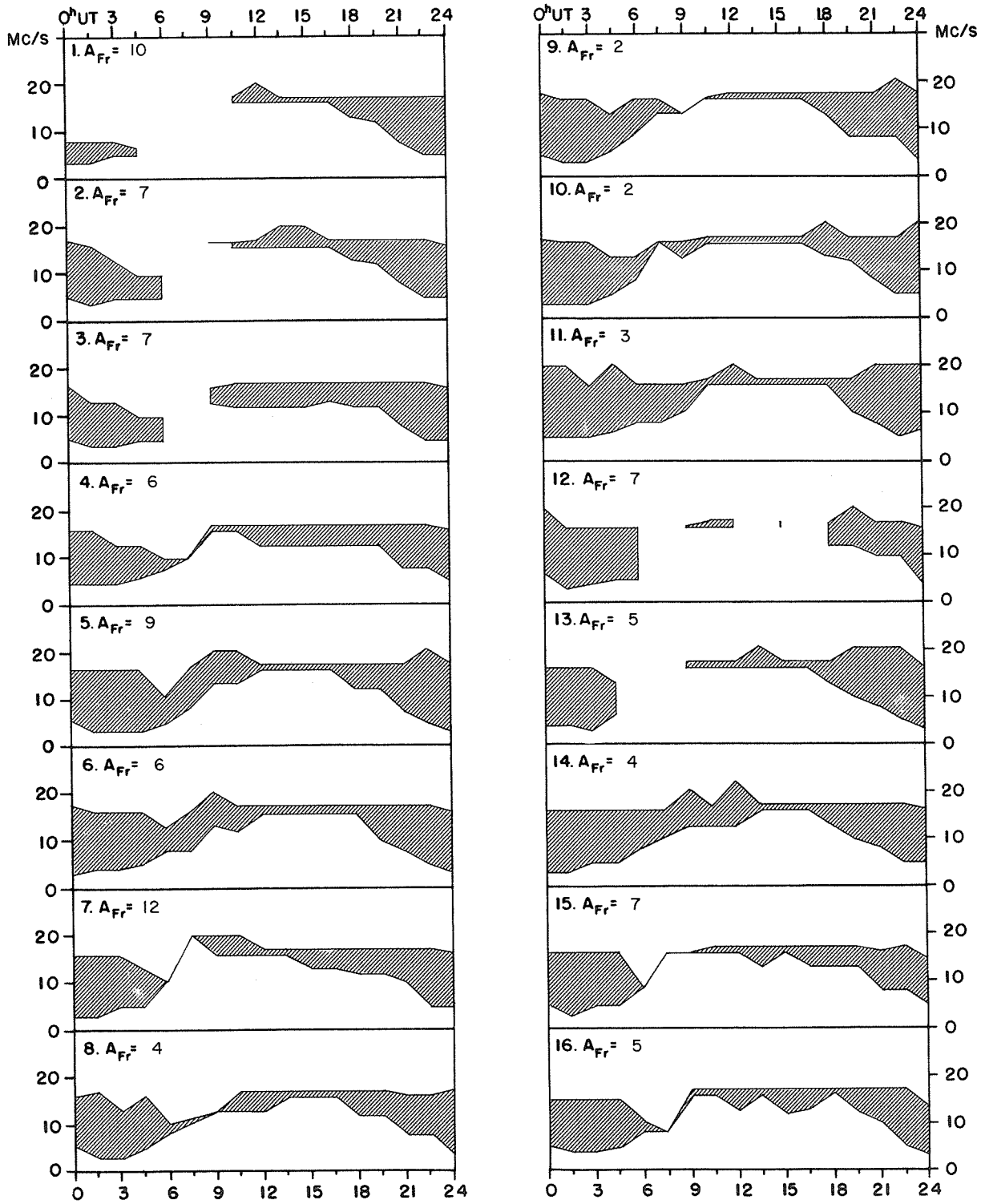
Outcome of advance forecasts - final estimates (1 to 7 days ahead)-
High Latitude radio propagation conditions

HIGH LATITUDE



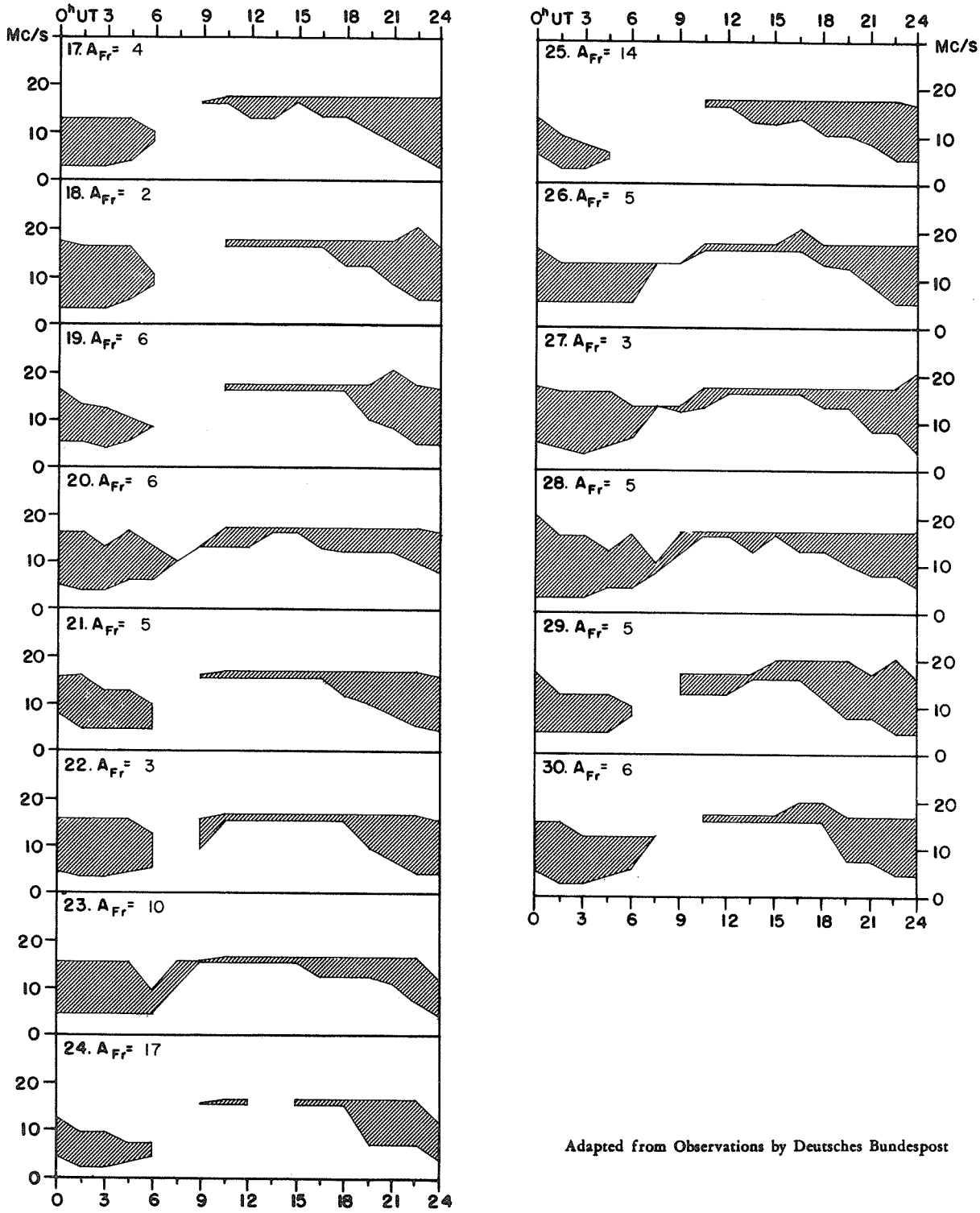
VIIc USEFUL FREQUENCY RANGES -- NORTH ATLANTIC PATH

JUNE 1966



USEFUL FREQUENCY RANGES -- NORTH ATLANTIC PATH VIId

JUNE 1966



Adapted from Observations by Deutsches Bundespost

ALERT PERIODS

INTERNATIONAL URSIGRAM AND WORLD DAYS SERVICE

JULY 1966

JULY 1966	TIME OF ISSUE UT	ADVANCE GEOPHYSICAL ALERT	WORLDWIDE GEOPHYSICAL ALERT			
			NO.	TYPE	TIMING	ELABORATION
5	0400		366	Solar Activity	Exists	Gamma Spot
6	0400		367	Solar Activity	Exists	
7	0140*	ADALERTPRESTO TENFLARE Toyokawa 070026Z				
	0212	Sac Peak, Solar Flare 07/0025Z				
	0400		368	Solar Activity	Exists	
			369	Magnetic Storm	Expected	
8	0230*	ADALERTPRESTO TENFLARE Toyokawa 080031Z				
	0400		370	Solar Activity	Esists	
			371	Magnetic Storm	Expected	
	1420	McMath, Solar Flare 08/1243Z				
9	0400		372	Solar Activity	Exists	
			373	Magnetic Storm	08/2102Z	
10	0400		374	Solar Activity	Exists	
24	0400		375	Solar Activity	Exists	New Region Born
25	0400		376	Solar Activity	Exists	
26	0400		377	Solar Activity	Exists	
27	0400		378	Solar Activity	Exists	
28	0400		379	Solar Activity	Exists	
29	0230	ADALERTPRESTO TENFLARE Toyakawa 282213Z				
	0400		380	Solar Activity	Exists	
30	0400		381	Solar Activity	Exists	

* Time when Alert was relayed by AGIWARN