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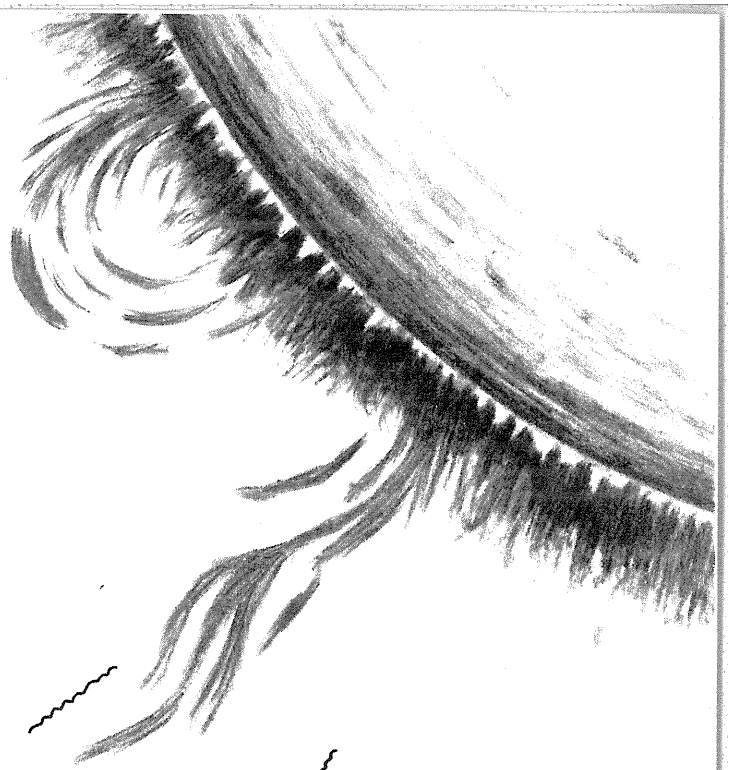
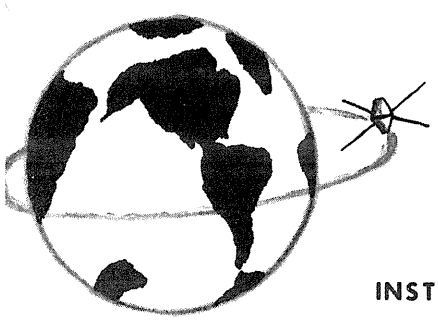


SPACE DISTURBANCES LABORATORY

SOLAR-GEOPHYSICAL DATA

Issued: September 1966



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

CRPL-FB 265

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
INSTITUTE FOR TELECOMMUNICATION SCIENCE AND AERONOMY
BOULDER, COLORADO

ISSUED

30 SEPTEMBER 1966

SOLAR-GEOPHYSICAL DATA

CONTENTS

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

Mt. Wilson Magnetic Classification of Sunspots:

The largest magnetic field strength measured in each group is now given. Starting with the data for August, 1966, the number which appears on the right hand side of the column labelled "Type" is a coded representation of the largest magnetic field strength measured in the group. The field strength is only given to the nearest 500 gauss because it is felt that the uncertainties of measurement do not permit more than that accuracy. These measurements are made with the line λ5250.216 (Fe I). No correction is made for blending of the Zeeman components. The code is as follows:

Code	Maximum field Strength in gauss
1	100-500
2	600-1000
3	1100-1500
4	1600-2000
5	2100-2500
6	2600-3000
7	3100-3500
8	3600-4000
9	4100-4500
10	>4500

Cosmic Ray Indices

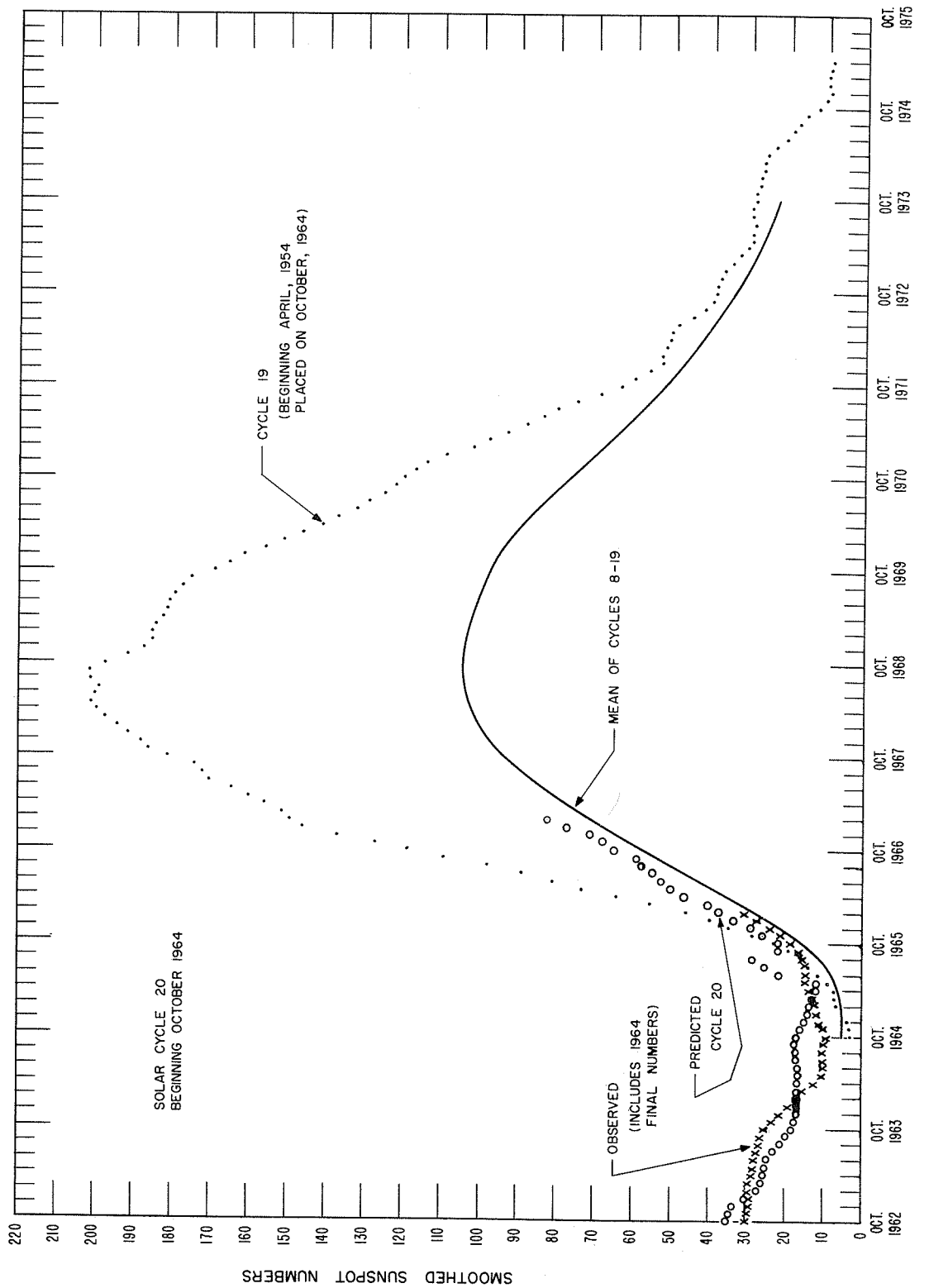
The chart of pressure corrected hourly totals from the neutron monitors now presents data from Alert as well as Deep River, beginning with data from July 1966.

Geomagnetic Activity Indices

As a footnote to the table of indices, beginning with July 1966 data, the provisional storm sudden commencements are listed as provided by IUGG: Association of Geomagnetism and Aeronomy, Commission 4, Permanent Service of Geomagnetic Indices.

Errata: Errata will be found for:

CRPL-FB-263, page IIIx
CRPL-FB-264, page IIIm
, pages IVaa and IVbb
, page VIa



PREDICTED AND OBSERVED SUNSPOT NUMBERS

RELATIVE SUNSPOT NUMBERS

ZURICH, R_Z

Day	1965 Aug.	Sep.	Oct.	Nov.	Dec.	1966 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	0	20	52	29	13	18	7	25	64	50	71	49	78
2	0	20	63	28	8	17	9	11	58	48	74	49	62
3	15	21	60	20	8	16	20	11	74	57	41	54	65
4	14	22	62	13	8	15	17	18	74	61	60	53	51
5	0	22	55	13	8	8	17	12	55	38	43	48	53
6	16	19	39	29	8	7	17	14	59	23	43	46	50
7	7	23	27	40	8	7	16	10	70	13	38	58	31
8	31	22	7	46	15	13	13	9	65	16	35	68	13
9	12	18	8	38	7	13	10	15	47	8	33	56	7
10	14	15	13	41	7	7	11	13	37	0	25	58	0
11	16	19	8	40	0	8	14	10	25	14	43	52	16
12	13	17	9	26	0	0	8	0	27	14	34	62	36
13	8	17	8	17	14	17	16	0	24	23	34	56	30
14	7	8	7	16	0	30	12	0	29	52	31	37	37
15	0	8	0	10	14	36	16	9	29	46	22	34	41
16	0	16	7	9	22	57	13	26	35	47	40	48	36
17	0	8	0	7	21	50	19	44	40	33	46	42	35
18	7	9	0	0	20	64	24	53	40	27	39	49	35
19	7	7	10	0	18	68	32	60	24	34	33	38	27
20	7	0	12	0	15	63	39	54	37	57	42	65	24
21	7	0	15	0	10	52	41	49	40	80	29	55	22
22	0	0	26	7	11	44	50	52	56	66	34	66	38
23	0	11	23	0	9	38	55	40	69	68	59	56	65
24	8	17	16	7	8	41	42	31	58	68	63	70	71
25	0	13	24	0	12	27	37	23	56	64	80	67	89
26	8	17	17	7	23	19	36	18	54	70	78	74	95
27	14	24	17	0	29	16	35	10	40	66	69	52	90
28	12	23	9	8	64	14	31	12	40	60	52	61	84
29	16	37	8	8	64	19		35	48	39	47	76	89
30	15	50	8	15	44	28		42	52	58	55	63	76
31	22		14		38	15		52		56		66	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	48.8

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

AMERICAN, R_A

Day	1965 Sep.	Oct.	Nov.	Dec.	1966 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	15	33	29	10	25	0	11	32	24	56	33	77
2	17	39	27	10	21	12	12	37	37	48	37	70
3	19	50	20	10	19	14	14	34	35	41	54	69
4	19	43	11	9	13	16	16	49	19	50	51	64
5	16	37	1	10	7	17	15	40	15	39	36	46
6	21	26	29	12	1	15	14	47	17	26	30	40
7	21	16	43	9	0	14	10	49	12	22	52	23
8	19	5	34	2	1	13	10	55	11	26	45	8
9	19	10	38	3	0	12	16	36	8	27	49	0
10	18	11	43	0	0	14	15	26	0	24	44	1
11	17	11	38	0	0	15	7	19	0	26	56	17
12	21	9	24	0	0	11	0	22	5	32	47	24
13	18	10	15	0	19	12	3	16	9	18	27	31
14	12	2	16	0	30	14	1	22	22	21	19	28
15	11	0	14	18	37	13	15	31	28	24	14	33
16	10	0	12	21	31	16	21	28	24	33	33	42
17	5	0	0	18	43	13	43	28	18	36	40	38
18	4	0	0	19	43	25	46	29	14	31	40	33
19	2	8	0	16	55	24	46	16	33	27	35	29
20	1	12	0	0	55	33	41	42	56	28	46	15
21	0	14	0	7	41	36	32	38	59	32	38	17
22	0	22	0	8	34	43	29	42	51	42	43	43
23	14	20	3	10	36	55	19	58	59	58	56	66
24	14	21	4	6	31	47	17	51	59	61	59	83
25	12	16	0	17	18	47	16	47	49	66	57	89
26	15	11	0	20	14	47	10	34	61	62	65	96
27	13	12	0	35	15	32	0	22	48	44	62	95
28	21	11	6	44	14	28	12	22	41	35	75	86
29	35	11	9	55	20		36	33	40	29	71	81
30	41	11	10	47	21		41	33	37	33	75	51
31		12		28	3		32		56		75	33
Mean:	15.0	15.6	14.2	14.3	20.9	22.8	19.4	34.6	30.5	36.6	47.2	46.1

DAILY SOLAR FLUX AT 2800 Mc/s

OTTAWA ARO

OBSERVED FLUX,S

Day	1965 Sep.	Oct.	Nov.	Dec.	1966 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	75.4	92.0	78.8	75.4	82.0	79.9	81.2	106.9	90.3	101.9	96.8	122.2
2	75.9	93.2	79.5	75.0	78.9	79.2	78.0	106.4	92.5	101.0	95.0	116.1
3	76.6	96.0	81.1	74.9	78.5	79.8	77.1	102.1	92.4	99.7	96.0	114.8*
4	76.7	97.5	79.8	74.5	80.5	81.3	76.7	102.5	91.0	99.1	101.4	112.7*
5	78.7	91.6	78.0	75.4	80.0	82.9	76.0	101.9	87.0	98.7	101.6	107.4
6	77.1	85.2	80.7	76.2	79.7	84.5	76.6	104.0	86.0	98.9	106.1	103.0
7	77.7	83.6	85.2	75.3	80.9	85.1	77.4	102.6	88.2	94.1	108.9	98.7
8	78.6	82.8	80.4	76.7	80.6	84.6	77.5	107.0	86.2	96.6	110.6	95.0
9	76.1	83.3	82.0	75.0	80.1	85.2	79.6	100.0	85.9	95.9	104.3	93.8
10	75.6	80.4	84.1	75.3	79.8	86.0	79.6	94.4	84.9	93.9	104.6*	91.8
11	75.7	76.0	84.2	75.6	80.9	85.8	79.0	93.5	86.6	93.2	105.4	90.1
12	75.3	74.8	80.8	75.9	84.0	85.4	79.3	94.4	90.7	93.0	99.4	90.4
13	75.0	75.8	77.3	74.0	87.2	86.1	81.0	92.6	91.0	93.1	97.2	90.8
14	75.2	74.7	76.0	74.7	93.2	86.1	82.3	90.5	95.1	93.9	96.6	90.5
15	74.9	73.8	76.5	76.8	101.9	85.4	88.1	95.7	97.1	91.8	97.9	91.3
16	73.7	72.3	74.0	77.6	106.0	84.7	93.8	92.6	97.9	94.9	99.5	92.8
17	73.8	72.5	74.3	78.4	101.7	84.1	106.2	94.5	96.7	96.4	98.0	94.4
18	73.0	72.2	75.0	78.4	104.8	84.1	110.6	92.1	96.4	95.1	98.1	95.1
19	72.8	71.8	73.4	76.8	108.6	83.0	115.5	88.2	104.6	93.8	98.3	97.7
20	72.8	72.7	72.7	74.5	102.3	84.7	111.9	92.6	112.8	91.3	98.6	99.2
21	72.5	73.3	72.2	74.1	98.9	87.6	121.2	90.8	120.6	90.5	100.5	100.4
22	71.2	76.2	71.8	72.3	94.7	87.9	105.8	92.4	118.1	93.0	103.2	103.1
23	71.8	78.7	71.3	72.7	93.5	84.5	96.8	97.8	111.1	96.0	111.3	112.2
24	76.1	76.3	71.2	71.2	91.8	83.7	93.5	102.5	114.7	100.2	116.9	119.4*
25	75.8	77.9	70.6	72.1	88.1	80.9	91.6	102.6	112.2	101.5	122.1	123.6*
26	77.0	78.2	71.8	76.9	85.4	84.8	85.0	100.0	109.4	102.1	123.7	127.5
27	78.4	78.0	74.1	83.7	82.4	84.8	83.4	95.6	105.6	97.5	120.1	130.7
28	80.5	77.2	77.0	83.8	80.5	85.7	87.9	93.6	-	98.1	120.5	130.0*
29	87.3	76.7	73.9	84.7	80.7		96.4	93.1	103.2	96.5	128.9	127.3
30	89.0	76.2	75.1	81.9	78.7		99.2	91.9	98.8	97.4	124.2	123.8
31		78.1		80.8	77.7		110.6		102.7		121.0	118.7
Mean:	76.3	79.6	76.8	76.5	87.9	84.2	90.3	97.2	98.3	96.3	106.7	106.5

* adjusted for burst

FLUX ADJUSTED TO 1 A.U., Sa

Day	1965 Sep.	Oct.	Nov.	Dec.	1966 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	76.8	92.2	77.6	73.3	79.3	77.6	79.7	106.8	91.7	104.8	100.1	125.9
2	77.3	93.3	78.2	72.9	76.3	76.9	76.7	106.3	94.0	103.9	98.2	119.6
3	77.9	96.1	79.8	72.7	75.9	77.5	75.8	102.1	94.0	102.6	99.3	118.2*
4	78.0	97.5	78.4	72.3	77.8	79.0	75.5	102.6	92.5	102.0	104.8	116.0*
5	80.0	91.6	76.7	73.2	77.4	80.6	74.8	102.0	88.6	101.7	105.0	110.5
6	78.3	85.1	79.2	74.0	77.1	82.1	75.5	104.2	87.5	101.9	109.7	106.0
7	78.9	83.5	83.7	73.0	78.2	82.8	76.2	102.8	89.9	96.9	112.6	101.5
8	79.8	82.6	78.9	74.4	77.9	82.3	76.4	107.3	87.8	99.5	114.4	97.7
9	77.2	83.0	80.4	72.7	77.4	82.9	78.5	100.3	87.5	98.9	107.8	96.4
10	76.7	80.1	82.4	73.0	77.2	83.8	78.6	94.8	86.6	96.8	108.1*	94.3
11	76.7	75.7	82.5	73.2	78.2	83.6	78.0	93.9	88.3	96.1	109.0	92.5
12	76.3	74.5	79.1	73.5	81.2	83.2	78.3	94.8	92.6	95.9	102.7	92.8
13	75.9	75.4	75.7	71.7	84.3	83.9	80.0	93.1	92.9	96.1	100.4	93.2
14	76.1	74.3	74.4	72.4	90.1	83.9	81.4	91.0	97.2	96.9	99.8	92.8
15	75.7	73.3	74.8	74.4	98.5	83.3	87.1	96.3	99.2	94.7	101.1	93.7
16	74.5	71.8	72.4	75.1	102.6	82.7	92.9	93.2	100.1	97.9	102.8	95.1
17	74.5	72.0	72.6	75.9	98.4	82.1	105.1	95.2	98.9	99.5	101.2	96.8
18	73.7	71.6	73.3	75.9	101.4	82.2	109.6	92.9	98.7	98.2	101.3	97.5
19	73.4	71.2	71.6	74.3	105.1	81.1	114.6	89.0	107.1	96.9	101.5	100.0
20	73.4	72.0	70.9	72.1	99.0	82.8	111.0	93.5	115.5	94.3	101.8	101.6
21	73.1	72.6	70.5	71.7	95.7	85.7	120.3	91.7	123.6	93.5	103.7	102.7
22	71.7	75.4	70.0	70.0	91.8	86.0	105.1	93.4	121.0	96.1	106.5	105.5
23	72.3	77.9	69.5	70.3	90.6	82.7	96.2	98.8	113.9	99.2	114.9	114.7
24	76.6	75.5	69.3	68.8	88.9	81.9	92.9	103.7	117.7	103.5	120.6	122.0*
25	76.2	77.0	68.8	69.7	85.4	79.3	91.1	103.8	115.1	104.8	126.0	126.3*
26	77.4	77.3	69.9	74.4	82.7	83.1	84.7	101.3	112.3	105.6	127.6	130.2
27	78.7	77.0	72.1	80.9	79.9	83.2	83.1	96.0	108.5	100.8	123.8	133.4
28	80.8	76.2	74.9	81.0	78.1	84.1	87.6	94.9	-	101.4	124.2	132.6*
29	87.6	75.6	71.9	81.9	78.3		96.1	94.5	106.8	99.8	132.9	129.8
30	89.3	75.1	73.0	79.2	76.3		99.0	93.3	101.6	100.7	128.0	126.1
31		76.9		78.1	75.4		110.4		105.6		124.6	120.9
Mean:	77.2	79.1	75.1	74.1	85.0	82.1	89.4	97.8	100.6	99.4	110.1	109.2

* adjusted for burst

CALCIUM PLAGE AND SUNSPOT REGIONS

AUGUST 1966

AUG. 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	
1.8	N25	8414 (1)	8373	4700	3.5	ℓ ∧ ℓ	2	7/25	14	180	19	ℓ ⌝\ ℓ
3.4	N27	8415 (2)	8379	5000	3.0	ℓ / ℓ	2	7/27	14	70	27	ℓ ∧ d
5.6	N22	8422	8390	3000	3.0	ℓ ∧ ℓ	2	7/30	13	20	18	ℓ - d
7.0	S06	8431	New	(200)	(1.0)	b - d	1	8/7	1			
8.3	N29	8426	8385	800	2.0	b - ℓ	2	8/2	11			
8.4	N54	8433	New	200	1.5	b - d	1	8/8	1			
9.4	N43	8424	8385	900	1.0	ℓ - d	2	8/2	12			
10.7	N22	8428	8392	(500)	(1.5)	ℓ - d	3	8/4	8			
11.4	N17	8434	New	500	1.5	b - d	1	8/8	8			
11.8	S03	8432	New	(100)	(1.0)	b - d	1	8/7	2			
11.9	S24	8429 (3)	New	600	2.5	ℓ - ℓ	1	8/5	13	(10)	(1)	b - ℓ
11.9	N39	8430	New	(100)	(1.5)	b - d	1	8/6	1			
12.3	S16	8453	New	(300)	(2.5)	b - d	1	8/18	1			
13.0	N22	8436	New	(200)	(2.5)	b - d	1	8/9	≥1			
13.7	N37	8439	New	(100)	(1.5)	b - d	1	8/12	1			
15.2	N28	8435 (4)	New	3100	3.0	ℓ ⌜ ℓ	1	8/8	15	120	12	b ∧ ℓ
15.3	N16	8437	8398	500	1.5	ℓ \ ℓ	4	8/9	12			
16.7	N27	8438 (5)	8397	2900	3.0	ℓ ∧ ℓ	3	8/9	14	10	3	b - d
17.0	S27	8441	New	300	2.0	b - d	1	8/13	8	10	3	b - d
17.7	N12	8448	New	100	1.0	b - d	1	8/17	1			
18.4	N28	8440 (6)	New	700	3.0	ℓ - ℓ	1	8/12	13	10	1	b - d
19.1	S26	8468	New	(500)	(2.0)	b - ℓ	1	8/24	1			
19.3	N31	8444	New	200	1.5	b - d	1	8/17	4	(10)	(2)	b - d
19.6	S22	8458	New	(200)	(1.5)	b - d	1	8/19	2			
20.0	N29	8445	New	(300)	(2.0)	b - d	1	8/17	2			
20.6	N09	8449	New	(200)	(1.5)	b - d	1	8/17	1			
21.2	S21	8456	New	200	1.5	b - d	1	8/19	2			
21.7	S02	8451	New	(100)	(1.5)	b - d	1	8/17	2			
22.5	N02	8450	New	(100)	(1.0)	b - d	1	8/17	2			
22.8	S21	8479	New	(200)	(2.0)	b - ℓ	1	8/29	1			
23.1	S10	8463	New	100	1.0	b - d	1	8/22	2			
23.5	N40	8442	8408	600	1.5	ℓ \ ℓ	2	8/16	14			
23.5	N25	8443	8405	1500	2.0	ℓ / ℓ	3	8/16	13			
23.8	S11	8452	New	(200)	(1.0)	ℓ - d	1	8/17	3			
23.9	N15	8447 (7)	New	1400	2.5	ℓ - ℓ	1	8/17	14	(10)	(3)	ℓ - d
24.1	N08	8454	New	500	2.5	ℓ ⌟ ℓ	1	8/18	13			
24.7	S28	8464	New	400	2.5	b - d	1	8/23	5			
24.9	N40	8455	8408	900	1.5	ℓ ∧ ℓ	2	8/18	14			
25.1	N16	8471	New	(100)	(1.0)	b - d	1	8/26	1	(10)	(2)	b - d
25.2	N15	8462	New	(300)	(1.5)	b - d	1	8/22	2			
25.8	S24	8469	New	100	2.0	b - d	1	8/25	2			
25.8	N28	8480	New	(100)	(2.0)	b - d	1	8/29	1			
26.5	N41	8457	New	1200	1.0	ℓ ∧ ℓ	1	8/19	14	(10)	(1)	b - d
27.3	N26	8459 (8)	8427	3300	2.5	ℓ ∧ ℓ	2	8/20	14	50	31	ℓ ∧ ℓ
29.1	N33	8460	8413	800	3.0	ℓ - ℓ	3	8/21	13	20	4	ℓ ∧ d
29.1	N23	8461 (8)	8414	3700	5.0	ℓ ∧ ℓ	1&3	8/22	14			
29.1	N40	8465	8413	500	2.5	ℓ ⌝ d	3	8/23	10			
29.2	S30	8475	New	200	2.0	b - d	1	8/29	1			
30.7	N25	8467	8415	1800	2.5	ℓ ∧ ℓ	3	8/23	15	10	3	b - d
31.0	N34	8466	8414	900	2.5	ℓ ∧ ℓ	3	8/24	13			

(1) Region 8414 is a return of the new portion of region 8373 of the previous rotation.
(2) Region 8415 is a return of regions 8379 and 8382.
(3) Region 8429 has developed near the position of old plage 8393.
(4) Region 8435 is primarily a new plage, although it also contains some weak remnants of region 8397 of the previous rotation.
(5) Region 8438 is a return of regions 8397 and 8399.
(6) Region 8440 has formed in the position of part of old plage 8400.
(7) Region 8447 is a new plage that has developed in the position of old plage 8407 (which expired on the disk during the previous rotation).
(8) It should be noted that regions 8459 and 8461 are very close to each other in position on the solar disk.
Many of the flares that occur during the latter part of August spread, in the course of their development, throughout both plages, and, since they are contiguous, perhaps they should be regarded as a single unit.

No calcium plage observations were secured at the McMath-Hulbert Observatory on August 10 and August 14, 1966.

MT. WILSON MAGNETIC CLASSIFICATIONS OF SUNSPOTS

AUGUST 1966

Aug. 1966	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
1	1715	N21	W75	(αp)5	16088
		N26	W75	(αf)1	16099
		N33	W22	(βp)5	16091
		N24	E03	(δ)5	16092
		N18	E52	(βγ)2	16095
		N24	E23	(βp)4	16093
					16094
2	2225	N33	W37	αp	16091
		N20	W17	β	16100
		N24	W12	δ	16092
		N14	E29	αp	16101
		N18	E35	β	16095
		N24	E07	βp	16093
					16094
3	1435	N24	W49	(βf)2	16102
		N33	W46	(βp)5	16091
		N20	W27	(βp)1	16100
		N24	W20	(βp)4	16092
		N18	E27	(βγ)3	16095
		N25	W02	(βp)4	16093
					16094
4	1820	N24	W62	(βf)1	16102
		N33	W60	(αp)4	16091
		N24	W32	(βp)4	16092
		N17	W12	(βp)1	16103
		N14	E05	αp	16101
		N21	E09	(βp)1	16104
		N15	E17	(αf)1	16095
		N25	W16	(βp)4	16093
					16094
5	2150	N33	W74	(αp)4	16091
		N23	W50	(βp)3	16092
		N25	W37	(αp)4	16093
		N20	W06	(βf)2	16104
		N16	E03	(αf)1	16095
6	2235	N33	W87	αp	16091
		N25	W64	(αp)2	16100
		S25	E60	(αp)1	16105
		N26	W47	(βp)3	16093
					16094
7	2335	N26	W64	(αp)1	16093
		S24	E45	(αp)1	16105
8	2355	S24	E32	(αp)2	16105

Aug. 1966	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
9	No Spots				
10	No Spots				
11	No Obs.				
12	0045	N33	E38	(β)2	16106
		N24	E57	(βp)2	16107
12	1825	N33	E29	(βf)2	16106
		N24	E46	(αf)1	16107
13	1650	N33	E18	(βp)4	16106
		N24	E33	(βf)1	16107
		S23	W22	(βf)1	16105
14	1750	N33	E03	(β)4	16106
		S24	W35	(αf)2	16105
		S28	E28	(αp)1	16108
15	1710	N33	W08	(βf)4	16106
		N23	E13	(αf)1	16107
		N29	E38	(βp)2	16109
		S22	W51	(αp)1	16105
16	1730	N33	W20	(βp)3	16106
		N23	W04	(βf)1	16107
		N27	E25	(βp)2	16109
		S21	W62	(βp)2	16105
17	1750	N33	W31	βp	16106
		N21	W22	βp	16107
		N27	E09	αp	16109
18	1730	N33	W44	βp	16106
		N22	W32	βf	16107
		N14	E65	β	16110
19	1735	N34	W49	βp	16106
		N21	W43	αf	16107
		N13	E49	(βp)1	16110
20	1640	N34	W68	(β)1	16106
		N13	E36	(βp)1	16110
21	No Spots				
22	1610	N42	E51	(αf)1	16113
		N35	E74	(αf)2	16112
		N24	E66	(βp)1	16111
		N23	E78	αp	16114

MT. WILSON MAGNETIC CLASSIFICATIONS OF SUNSPOTS

AUGUST 1966

Aug. 1966	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
23	1800	N36	E63	(αf) 2	16112
		N24	E53	(βγ) 3	16111
		N22	E63	(βp) 3	16114
		N07	E04	(β) 1	16115
		S27	E07	(αf) 1	16116
24	1720	N34	E52	(αp) 1	16112
		N23	E41	(βf) 2	16111
		N21	E53	(αp) 2	16114
		N07	W08	(βp) 3	16115
		N19	W27	(αp) 1	16117
25	1730	N34	E40	αp	16112
		N24	E27	βf	16111
		N22	E39	αp	16114
		N24	E66	αp	16118
		N07	W24	βp	16115
		N19	W41	αp	16117
26	1700	N35	E27	(αp) 3	16112
		N23	E13	(βp) 2	16111
		N22	E26	(βγ) 3	16114
		N25	E52	(βp) 1	16118
		N06	W36	(βγ) 4	16115
		N22	W30	αp	16119
27	1730	N34	E14	αp	16112
		N23	W01	β	16111
		N23	E13	βγ	16114
		N26	E38	β	16118
		N07	W50	βγ	16115
28	1710	N35	E03	αp	16112
		N24	W12	β	16111
		N22	E02	βγ	16114
		N23	E63	β	16120
		N08	W61	βp	16115
29	No Obs				
30	2030	N35	W24	(αp) 1	16112
		N23	W27	(δ) 5	16114
		N22	E37	β	16120
		S23	E30	βp	16121
31	1605	N22	W36	δ	16114

Starting with the data for August, 1966, the number which appears on the right hand side of the column labelled "Type" is a coded representation of the largest magnetic field strength measured in the group. The field strength is only given to the nearest 500 gauss because it is felt that the uncertainties of measurement do not permit more than that accuracy. The following table explains the code. These measurements are made with the line λ5250.216 (Fe I). No correction is made for blending of the Zeeman components.

Code	Maximum Field Strength in Gauss
1	100-500
2	600-1000
3	1100-1500
4	1600-2000
5	2100-2500
6	2600-3000
7	3100-3500
8	3600-4000
9	4100-4500
10	>4500

SOLAR FLARES

AUGUST 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. %	
	AUG																		
ARCE	01	0830	0910		N25	E10	.366	8414	2.1	40	SN		C	0835	.33	.35			
KAND	01	0906	0926		N24	E10	.352	8414	2.1	20	SF		A						C
CAPS	01	1100	1155		N33	E33	.656	8415	3.9	55	1N	3		1134	1.80	2.30		175	
MCMA	01	1136	1230		N35	E34	.680	8415	4.0	54	SB		C	1136	.83	1.10			BEG
SACP	01	1644	1659	1652	N35	W19	.560	8413	31.3	15	SF		C		.18	.18			
LOCK	01	1810	1825	1818	N29	W02	.396		1.6	15	1N		C	1818	2.00	2.20		20	
SACP	01	1823E	1840	1823	N29	W02	.396	8413	1.6	17D	SN		P		1.75	1.76			
LOCK	01	2030	2045	2038	N33	W31	.638		30.5	15	SF		C	2038	.40	.50		10	
LOCK	01	2133	2145	2139	N23	E20	.436		3.4	12	SF		C	2139	.70	.80		10	
HALE	01	2138	2155	2140	N26	E22	.487	8415	3.6	17	SN	1	C	2140	.31	.40			
CAPS	02	1552	1556		N26	E13	.402	8415	3.6	4	SF	3		1554	.90	1.00		145	D
HUAN	02	1553	1558		N26	E08	.367	8415	3.3	5	SF	1	P	1554	.25	.25			D
SACP	02	1736	1813D	1757	N26	E06	.358	8415	3.2	37D	SF		P		.70	.69			
MCMA	02	1743	1756		N35	E20	.566	8415	4.2	13	SB		C	1745	.26	.30			D
HUAN	02	1815	1819		N26	E07	.362	8415	3.3	4	SF	1	P	1817	.25	.25			D
MCMA	02	1917	1935	1925	N37	W30	.662	8413	31.6	18	SN		C	1925	1.03	1.40			E
MCMA	02	2146	2205		N38	W32	.686	8413	31.5	19	SN		P	2155	1.24	1.70			FL
HALE	03	0357	0442	0401	N35	W51	.820	8413	30.3	45	1F	1	C	0401	2.58	4.50			
KAND	03	0630	0653		N19	E30	.530	8422	5.5	23	1N		O	0644		2.50			C
CAPS	03	0643	0709		N21	E30	.541	8422	5.5	26	SB	3		0650	1.30	1.60		201	C
MCMA	03	1415	1605	1420	N30	W20	.509	8413	2.1	110	1B		C	1420	2.06	2.40			FKL
MCMA	03							8414											
CAPS	03	1416	1506		N32	W22	.548	8414	1.9	50	1N	3		1425	2.50	2.90		170	FIJ
HUAN	03	1420	1505		N36	W24	.606	8413	1.8	45					1.00	1.08			
HUAN	03	1420	1505		N29	W20	.498	8414	2.1	45	1N	1	P	1425	1.91	1.90			E
WEND	03	1452	1458		N29	W18	.480	8414	2.3	6	1F	3			3.09				
WEND	03	1452	1458		N35	W23	.588	8413	1.9	6	1F	5			5.16				
LOCK	03	1517E	1540	1517E	N34	W23	.577		1.9	23D	SF		C	1517	.70	.80		10	
LOCK	03	1615	1628	1621	N21	E24	.465		5.5	13	SF		C	1621	.40	.40		10	
MCMA	03	1628	1735	1650	N33	W24	.575	8413	1.9	67	1N		C	1650	2.06	2.50			E
MCMA	03							8414											
LOCK	03	1635	1745	1655	N33	W22	.558		2.0	70	SF		C	1655	1.60	1.90		10	
HUAN	03	1640	1724		N30	W22	.526	8414	2.0	44	SF	1	C	1653	.50	.51			E
HUAN	03	1640	1724		N35	W26	.611	8413	1.7	44					.45	.50			
LOCK	03	1710	1745	1725	N21	E24	.465		5.5	35	SN		C	1725	.80	.90		10	
LOCK	03	1945	1958	1951	N21	E24	.465		5.6	13	SF		C	1951	.40	.40		10	
HALE	03	1947	2004	1950	N20	E20	.407	8422	5.3	17	SF	1	C	1950	.31	.30			
LOCK	03	2032	2105	2040	N21	E24	.465		5.7	33	SF		C	2040	.60	.70		10	
MCMA	03	2035	2115	2043	N20	E25	.471	8422	5.7	40	SF		C	2043	1.03	1.10			FH
LOCK	03	2213	2223	2216	N19	E23	.437		5.7	10	SF		C	2216	.60	.70		10	
HALE	03	2214	2220	2216	N21	E21	.428	8422	5.5	6	SN	1	C	2216	.52	.60			
MCMA	03	2215	2226	2216	N22	E23	.461	8422	5.7	11	SN		C	2216	1.03	1.10			FH
MANI	04	0442	0507	0446	N19	E21	.411	8422	5.8	25	SB	1		0446	1.44	1.58			
HALE	04	0444E	0444D		N20	E16	.357	8422	5.4	D	S	1	P	0444	.52	.60			
CAPS	04	0626	0646		N26	W27	.539	8414	2.2	20	1N	3		0637	1.20	1.40		195	
KAND	04	0645	1221		N25	W58	.853	8427	30.9	336	1F		O	0700		2.50			C
ARCE	04	0815	0840		N24	E15	.392	8422	5.5	25	SN		C	0820	.62	.67			H
KAND	04	0911	1206		N28	W31	.598	8414	2.1	175	SN		A						C
KAND	04	1040	1203		N18	E18	.363	8422	5.8	83	SB		E						C
CAPS	04	1049	1127		N20	E15	.346	8432	5.6	38	SN	3		1055	.90	1.00		180	
LOCK	04	1522	1550	1530	N33	W31	.636		2.3	28	SN		C	1530	1.00	1.30		20	H
HUAN	04	1553	1634		N35	W38	.712	8413	1.8	41					.50	.58			
HUAN	04	1553	1634		N29	W33	.626	8414	2.2	41	SF	1	C	1609	.37	.41			E
MCMA	04	1553	1700	1615	N33	W32	.645	8413	2.3	67	SN		C	1615	.83	1.10			E
MCMA	04							8414											
LOCK	04	1555	1630	1615	N33	W33	.654		2.2	35	SN		C	1615	.90	1.20		10	
MCMA	04	1626	1634	1628	N23	W65	.904	8427	30.8	8	SN		C	1628	.36	.80			E
MCMA	04	2048	2111	2059	N28	W37	.661	8414	2.1	23	SF		C	2059	.62	.80			F
LOCK	04	2117	2150	2127	N31	W36	.669		2.2	33	SN		C	2127	1.20	1.60		20	
MCMA	04	2122	2205	2130	N27	W37	.656	8414	2.1	43	SN		C	2130	.93	1.20			FJ
MCMA	04	2205	2221	2208	N27	W37	.656	8414	2.1	16	SN		C	2208	1.03	1.40			FJ
LOCK	05	0105	0200	0135	N31	W36	.668		2.3	55	SF		C	0135	.80	1.00		10	
MANI	05	0135	0215	0154	N30	W38	.682	8415	2.2	40				0154	.41	.56			
MANI	05	0135	0215	0137	N27	W38	.666	8415	2.2	40	SF	2		0137	.67	.90			
KAND	05	1051	1232		N19	E05	.239	8422	5.8	101	SN		E						C
KAND	05	1125	1140		N24	W42	.696	8415	2.3	15	SF		E						C
KAND	05	1135	1301		N30	W45	.750	8415	2.1	86	1N		E	1300		4.20			C
MCMA	05	1148	1203	1150	N30	W46	.759	8413	2.0	15	1N		C						EK
HUAN	05	1152	1218		N30	W45	.750	8414	2.1	26	SN	1	P	1209	.37	.46			D
MCMA	05	1203	1220	1206	N30	W46	.759	8413	2.1	17	1N		C	1206	1.03	1.60			EK
KAND	05	1220	1252		N36	W51	.823	8413	1.7	32	1F		E						C
MCMA	05	1220	1246	1230	N32	W50	.802	8414	1.8	26	1N		C	1230	2.06	3.60			EK
HUAN	05	1226	1252	1244	N34	W55	.847	8413	1.4	26	SN	2	C	1244	.62	.88			E
HUAN	05	1226	1446	1327	N27	W46	.748	8414	2.1	140	1N	2	C	1327	2.37	2.94			
SACP	05	1239E	1252D	1245	N33	W53	.829	8414	1.6	13D	1N		P		1.87	2.56			
SACP	05	1239E	1519	1320U	N26	W44	.725	8414	2.2	160D	2N		P		4.36	5.21			

SOLAR FLARES

AUGUST 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 AUG	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. %	
MCMA	05	1306	1450	1330	N32	W50	.802	8414	1.8	104	1B		C	1330	2.32	4.00			F
CAPS	05	1314	1402		N25	W45	.732	8414	2.2	48	1N	3		1316	2.50	3.60		176	J
LOCK	05	1445E	1515	1445E	N32	W46	.767		2.2	30D	SF		C	1445	.70	1.10		10	
HUAN	05	2222	2227	2224	N25	W50	.782	8414	2.2	5	SF	2	C	2224	.21	.26			D
MANI	06	0324	0340	0327	N23	W85	.993	8427	30.8	16	SB	2		0327	.21	.58			
MANI	06	0348	0408	0352	N25	W86	.994	8427	30.7	20	SB	2		0352	.15	.45			
KAND	06	0620	0815		N24	W90	.999	8427	30.5	115	1N		A						PV
ISTA	06	0740	0905		N27	W90	.999	8413	30.6	85	S								
CAPS	06	0759	0809		N25	W90	.999	8427	30.6	10	1N	3		0803	1.00			165	C
ARCE	06	0800	0817		N25	W88	.997	8427	30.7	17	1N		C	0807	.72	3.50			
MANI	06	0803	0812		N23	W89	.998	8427	30.7	9	SN	1		0804	.52	1.67			
ARCE	06	0827	0915		N25	W88	.997	8427	30.8	48	2N		C	0837	1.14	5.59			
LOCK	06	1635	1740	1655	N38	W33	.691		4.2	65	SF		C	1655	.70	1.00		10	
MCMA	06	1644	1755	1657	N37	W33	.683	8415	4.2	71	SN		C	1657	.41	.60			E
LOCK	06	1900	1945	1910	N22	W17	.388		5.5	45	SB		C	1910	1.60	1.80		30	
SACP	06	1901	1940	1913	N21	W17	.378	8422	5.5	39	SN		P		1.74	1.73			
MCMA	06	1902	1928	1905	N21	W17	.378	8422	5.5	26	1B		C	1905	2.06	2.20			EH
HALE	06	1903	1925	1905	N21	W16	.366	8422	5.6	22	SB	1	C	1905	1.55	1.70			
HUAN	06	1909	1936		N21	W17	.378	8422	5.5	27	SN	1	P	1911	.95	.95			E
MCMA	06	2018	2023		N29	W65	.908	8414	2.0	5	SN		C	2022	.52	1.20			D
LOCK	06	2105	2157	2145	N37	W90	.998		31.1	52	2F		C	2145	1.70	5.80		10	H
LOCK	07	0005	0055	0030	N34	W65	.913		2.1	50	1N		C	0030	2.20	4.80		10	L
HALE	07	0015	0120	0027	N34	W66	.918	8415	2.1	65	1N	1	C	0027	.83				T
SACP	07	0101	0134	0110	N21	W19	.401	8422	5.6	33	SF		C		1.04	1.05			
LOCK	07	0105	0115D	0110	N22	W17	.388		5.8	10D	SN		C	0110	.70	.80		10	
KAND	07	0901	0941		N26	W55	.829	8415	3.3	40	SN		E						C
KAND	07	0908	0915		N21	W13	.333	8422	6.4	7	SN		E						C
LOCK	07	1532	1630	1600	N23	W77	.969		1.9	58	1N		C	1600	.80	2.20		10	
MCMA	07	1543	1620	1547	N22	W80	.980	8414	1.7	37	SN		C	1603					EHK
MCMA	07			1603															
LOCK	07	1616	1640	1623	N25	W60	.868		3.2	24	SF		C	1623	.40	.80		10	
MCMA	07	1623	1639	1627	N25	W62	.883	8415	3.0	16	SN		C	1627	.41	.90			D
LOCK	07	1802	1825	1812	N25	W60	.868		3.3	23	SF		C	1812	.40	.80		10	
LOCK	07	2000	2015	2005	N23	W30	.551		5.6	15	SF		C	2005	.50	.60		10	
HALE	08	0120	0128	0123	N27	W84	.990	8414	1.8	8	SN	1	C	0123	.41				
ISTA	08	0804	0819		N23	W90	.999	8414	1.6	15	1								
LOCK	08	1535	1544	1540	N27	W36	.643		5.9	9	SF		C	1540	.50	.70		10	
MEUD	08	1620	1630		N26	W90	.999	8414	1.9	10	SF								A
SACP	08	1621	1643	1624	N26	W88	.997	8414	2.1	22	SF		C		.42				
SACP	08	1650	1731	1659	N22	W43	.699	8422	5.5	41	SF		C		1.74	2.03			
HUAN	08	1655	1713	1700	N22	W42	.688	8422	5.6	18	SN	2	C	1700	.77	.90			E
LOCK	08	1656	1718	1701	N23	W43	.702		5.5	22	SN		C	1701	1.00	1.40		20	
MCMA	08	1657	1725	1703	N22	W42	.688	8422	5.6	28	SN		C	1703	.72	1.00			E
SACP	08	1754	1810	1758	N27	W89	.998	8414	2.1	16	SF		C		.76				
LOCK	08	1755	1806	1758	N30	W85	.992		2.4	11	SN		C	1758	.50	1.70		20	H
HUAN	08	1755	1804	1757	N27	W90	.999	8414	2.0	9	SF	2	C	1757	.46				E
LOCK	08	1805	1820	1810	N30	W68	.926		3.7	15	SF		C	1810	.40	.90		10	
LOCK	08	1846	1854	1850	N27	W77	.969		3.0	8	SF		C	1850	.20	.60		10	
LOCK	08	1900	1913	1905	N30	W85	.992		2.4	13	SF		C	1905	.20	.70		10	
LOCK	08	2347	2412	2351	N31	W90	.998		2.2	25	SF		C	2351	.30	1.20		10	L
LOCK	09	0116	0140	0121	S26	E34	.721		11.6	24	SF		C	0121	.60	.80		10	
HUAN	09	1226	1237	1230	N28	W90	.999	8415	2.8	11	SF	2	C	1230	.21				D
KAND	09	1230	1325		N26	W90	.999	8415	2.8	55	1N		E						C
KAND	09	1358	1400		N34	E90	.998	8438	16.3	2			E						C
LOCK	09	1659	1715	1702	N23	W56	.832		5.5	16	SN		C	1702	.50	.90		20	
HUAN	09	1659	1706	1701	N22	W58	.848	8422	5.4	7	SF	2	C	1701	.25	.35			D
KAND	10	0700	0835		N26	W90	.999	8422	3.5	95			O						C
HUAN	10	1231	1236	1233	N23	W68	.923	8422	5.4	5	SF	2	C	1233	.25				D
KAND	10	1322	1405		N40	E90	.997	8438	17.3	43	SN		E						C
LOCK	10	1958	2027	2009	N21	E01	.253		10.9	29	SF		C	2009	.20	.20		10	
WEND	11	0603	0613		N33	E50	.803	8435	15.0	10	1N	3			3.09				
WEND	11	0611	0621		N33	E53	.827	8435	15.2	10	SN								
WEND	11	0612	0623		N31	E51	.805	8435	15.1	11	SN								
LOCK	11	1522	1535	1528	N21	W08	.284		11.0	13	SF		C	1528	.20	.20		10	
MCMA	11	1812	1815		N35	E46	.777	8435	15.2	3	SN		P	1812	.52	.80			D
LOCK	11	2038	2100	2045	S21	W01	.461		11.8	22	SN		C	2045	.50	.60		10	
ARCE	12	0800	0905		N34	E36	.684	8435	15.0	65	SN		C	0815	.81	1.12			H
ARCE	12	0910	0950		N32	E35	.661	8435	15.0	40	SN		C	0935	.65	.87			H
KAND	12	0930	1015		N30	E39	.689	8438	15.3	45	SN		A						V
HUAN	13	1456	1508		S23	W21	.587	8429	12.0	12	SF	1	C	1501	.21	.22			D
HALE	13	1628	1630D	1630U	N33	E17	.512	8435	15.0	2D	SN	1	P	1630	.21	.20			
LOCK	13	2117	2130	2122	N34	E17	.525		15.2	13	SF		C	2122	.40	.50		10	

SOLAR FLARES

AUGUST 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. %	
	AUG																		
HUAN	13	2120	2134		N35	E17	.537	8435	15.2	14	SF	1	C	2123	.31	.35			E
ARCE	14	0800	0830		N34	E14	.505	8435	15.4	30	1N		C	0800	1.73	2.00			H
KAND	14	0906	1130		S29	E33	.740	8441	16.9	144	1B		E	1046		3.20			C
KAND	14	0906	1130		N32	E13	.472	8435	15.4	144	1F		E	1046		2.50			C
KAND	14	0906	1130		S23	W29	.656	8429	12.2	144	1N		E	1046		2.50			C
ARCE	14	0916	0930		N34	E14	.505	8435	15.4	14	1N		C	0925	1.76	2.04			
CAPS	14	1027	1041		S29	E25	.681	8441	16.3	14	SN	3		1033	.60	.80		165	C
HUAN	14	1519	1542		S29	E32	.732	8441	17.0	23	SF	2	C	1523	.25	.30			D
HUAN	14	1627	1640	1632	S29	E32	.732	8441	17.1	13	SF	2	C	1632	.31	.38			
LOCK	14	1658	1720	1702	S28	E25	.671		16.6	22	SN		C	1702	.50	.70		10	
SACP	14	1700	1716	1702	S27	E27	.676	8441	16.7	16	SF		C		.61	.70			
LOCK	14	2315	2342	2323	S22	W43	.776		11.7	27	SF		C	2323	.50	.80		10	
LOCK	14	2354	0006	2358	S30	E18	.649		16.3	12	SN		C	2358	.40	.50		10	
MANI	15	0213	0220		N23	E20	.427	8438	16.6	7	SF	2		0214	.26	.27			
HALE	15	0434	0439	0435	S27	E15	.597	8441	16.3	5	SF	1	C	0435	.21	.30			
KAND	15	0645	0714		S22	W45	.794	8429	11.9	29	SN		O						P
SACP	15	1508	1528	1517	N33	E45	.758	8440	19.0	20	SF		C		1.04	1.30			
MCMA	15	1513	1528		N33	E47	.776	8440	19.2	15	SN		C	1515	.36	.50			EL
HUAN	15	1832	1848	1835	S22	W50	.836	8434	12.0	16	SF	2	C	1835	.25	.35			D
HUAN	15	1950	2004	1953	S22	W51	.844	8434	12.0	14	SF	2	C	1953	.21	.29			D
HUAN	15	2013	2056		S22	W51	.844	8434	12.0	43	SF	1	C	2033	.43	.62			
MANI	16	0230	0235		N31	W18	.494	8435	14.8	5	SF	2		0231	.21	.23			
KAND	16	0730	0820		S20	W60	.904	8429	11.8	50	SN		O						P
MEUD	16	0802	0824	0810	S22	W58	.896	8429	12.0	22	1F			0810	1.40				
ISTA	16	0805	0820		S07	W67	.929	8429	11.3	15	S								
CAPS	16	0807	0815		S21	W60	.907	8429	11.8	8	SN	3		0811	1.00			160	
KAND	16	0910	0953		N17	E90	.999	8443	23.1	43	SN		E						C
KAND	16	0930	1016		N27	E33	.607	8440	18.9	46	SF		E						C
MANI	16	0930	0941	0932	N28	E29	.570	8440	18.6	11	SF	1		0932	.21	.25			
MEUD	16	1101	1115		N18	E90	.999	8443	23.2	14	SF								
MEUD	16	1124	1145		S22	W60	.909	8429	12.0	21	SN			1129	.70				
MCMA	16	1335	1410		N23	W02	.283	8438	16.4	35	SN		C	1354	1.03	1.00			E
LOCK	16	1538	1640	1601	N27	E90	.999		23.4	62	2N		C	1601	1.60	6.40		20	L
MEUD	16	1550	1645		N22	E90	.999	8443	23.4	55	SN								
SACP	16	1551	1612	1559	N29	E92	1.000	8442	23.6	21	SN		C		.85				
LOCK	16	1751	1810	1755	N26	E01	.331		16.8	19	SF		C	1755	.30	.30		10	
MCMA	16	1802	1816		N23	E02	.283	8438	16.9	14	SN		C	1802	.83	.90			E
MCMA	16	2017	2122	2036	N23	W04	.288	8438	16.5	65	SN		C	2036	1.03	1.00			FL
LOCK	16	2025	2040	2030	S20	W46	.794		13.4	15	SF		C	2030	.30	.80		10	H
LOCK	16	2025	2100	2035	N22	W04	.272		16.6	35	SF		C	2035	.40	.40		10	
LOCK	16	2123	2138	2125	S21	W63	.925		12.2	15	1B		C	2125	1.10	2.60		30	H
MCMA	16	2124	2125		S22	W69	.958	8429	11.7	1	SB		P	2125	.62	1.80			DV
HALE	16	2125	2134	2127	S19	W62	.915	8429	12.2	9	SN	1	C	2127	.36				
LOCK	16	2230	2300	2237	N14	W05	.153		16.6	30	SF		C	2237	.40	.40		10	
MANI	16	2246	2257	2249	N27	W04	.353	8438	16.6	11	SF	2		2249	.31	.33			
SACP	16	2255	2310	2301	N30	E87	.995	8442	23.5	15	SF		C		.42				
LOCK	16	2310	0010	2350	N20	E80	.979		23.0	60	SF		C	2350	.30	.90		10	
MANI	16	2334	2343	2337	N19	E82	.986	8448	23.1	9	SN	2		2337	.10	.27			
LOCK	17	0022	0029	0025	N22	E80	.979		23.0	7	SF		C	0025	.10	.30		10	H
LOCK	17	0028	0046	0033	S21	W66	.942		12.1	18	1B		C	0033	1.60	4.00		30	
MANI	17	0030	0047	0035	S24	W64	.937	8429	12.2	17	1B	3		0035	1.51	3.18			
HALE	17	0031	0042	0034	S21	W72	.970	8429	11.6	11	1B	1	C	0034	.83				
HALE	17	0445E	0450		N19	E80	.980	8447	23.2	5D	SN	1	P	0449	.21				
MANI	17	0452	0510	0455	N19	E79	.976	8447	23.1	18	SN	2		0455	.62	1.56			
KAND	17	0800	0814		N27	E18	.447	8440	18.7	14	SF		O						C
KAND	17	0900	1130		N20	W15	.337	8438	16.3	150	2N		E	0953		10.40			C
ONDR	17	0933	1040		N22	W10	.310	8438	16.6	67	2N		V	0933			2.50		CFHK
MEUD	17	0933	1130	0941	N33	W10	.619	8438	15.1	117	2N			0941	8.46	8.90			H
MEUD	17	0933	1130		N33	W10	.619	8438	15.1	117				0958	18.87	19.60			
CAPS	17	0939	1038		N24	W10	.338	8438	16.7	59	1B	3		0945	4.30	4.60		220	L
MANI	17	0940	1005	0945	N23	W08	.309	8438	16.8	25	1N	1		0945	3.61	3.90			
KAND	17	1120	1130		S25	W03	.528	8441	17.2	10	SN		A						P
LOCK	17	2120	2210	2140	N27	E90	.999		24.6	50	1F		C	2140	1.00	2.70		10	
HALE	18	0020	0028	0026	S21	E70	.961	8452	23.3	8	SF	1	C	0026	.21				
HALE	18	0126	0155	0140	N26	W16	.415	8438	16.9	29	SF	1	C	0140	.31	.30			D
HALE	18	0143	0233	0207	N20	E66	.908	8447	23.0	50	SB	1	C	0207	.72				E
MANI	18	0609	0621	0611	N29	E07	.394	8444	18.8	12	SF	2		0611	.26	.29			
LOCK	18	1730	1815	1750	S13	E64	.918		23.5	45	SF		C	1750	.30	.70		10	
LOCK	18	1818	1855	1827	N22	W33	.578		16.3	37	SN		C	1827	1.60	1.90		20	
HUAN	18	1818	1847	1827	N22	W32	.565	8438	16.4	29	SN	2	C	1827	.70	.75			E
MCMA	18	1818	1855	1821	N22	W33	.578	8438	16.3	37	SN		C	1821	.62	.80			EL
MCMA	18	2045	2112	2100	N18	E60	.861	8443	23.4	27	SB		C	2100	.52	1.00			E
LOCK	18	2047	2125	2055	N19	E58	.844		23.2	38	1B		C	2055	1.40	2.50		30	
SACP	18	2052E	2058D	2058U	N20	E58	.845	8443	23.2	6D	SN		P		1.31	1.87			
HALE	18	2057E	2133	2105	N20	E57	.836	8447	23.1	36D	SB	2	P	2105	.83	1.50			D

SOLAR FLARES

AUGUST 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 AUG	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. %	
HUAN	18	2101	2121		N19	E59	.853	8443	23.3	20	SN	1	P	2105	.58	.82			E
LOCK	19	0003	0100	0020	N29	E14	.436		20.1	57	SF		C	0020	.50	.60		10	
HALE	19	0010	0025	0015	N30	E14	.449	8444	20.1	15	SF	2	C	0015	.10	.10			
HALE	19	0035	0100	0040	N04	E67	.919	8447	24.0	25	SF	2	C	0040	.21				
HALE	19	0045	0049	0046	N16	E66	.907	8447	24.0	4	SF	2	C	0046	.26				
LOCK	19	0100	0123	0110	N14	E67	.914		24.1	23	SN		C	0110	.90	1.90		20	
MANI	19	0105	0112	0108	N12	E67	.915	8447	24.1	7	SN	2		0108	.36	.73			
HALE	19	0108	0120	0109	N17	E71	.939	8447	24.4	12	SN	2	C	0109	.52				E
HALE	19	0430	0436	0431	N18	E73	.950	8447	24.7	6	1B	2	C	0431	.62				E
HALE	19	0436	0445D	0438	N23	W39	.654	8438	16.3	9D	1B	3	C	0438	1.86	2.40			
MANI	19	0437	0455		N22	W40	.662	8438	16.2	18	1B	1		0440	2.06	2.82			
KAND	19	0720	1226		N34	W58	.865	8435	15.0	306	1N		A	0907		2.60			C
CAPS	19	0900	0908		N34	W54	.835	8435	15.3	8	SF	3		0903	.50	.90		155	I
CAPS	19	0959	1017		N34	W54	.835	8435	15.4	18	1F	3		1012	2.00	3.60		153	I
CAPS	19	1125	1137		N28	W10	.394	8440	18.7	12	SF	3		1127	.30	.40		150	E
KAND	19	1129	1147		N23	W11	.331	8440	18.7	18	SN		E						C
KAND	19	1151	1211		N26	W41	.688	8438	16.4	20	SF		E						C
KAND	19	1152	1209		S26	W32	.709	8441	17.1	17	SF		E						C
LOCK	19	1610	1630	1615	N31	W50	.794		15.9	20	SN		C	1615	.40	.70		10	
LOCK	19	1650	1710	1655	N33	W60	.877		15.2	20	SN		C	1655	.50	1.00		10	
LOCK	19	2146	2202	2150	N23	W50	.773		16.2	16	SN		C	2150	.70	1.10		20	
HALE	19	2148	2200	2150	N23	W50	.773	8438	16.2	12	SN	2	C	2150	.31	.50			
MCMA	19	2148	2150		N23	W51	.783	8438	16.1	2	SN		P	2150	.41	.70			E
HALE	20	0016	0038	0025	N32	W54	.830	8438	16.0	22	SN	1	C	0025	.36	.60			
LOCK	20	1905	1940	1910	N17	E33	.556		23.3	35	SN		C	1910	.90	1.10		20	
MCMA	20	1906	1940	1907	N18	E33	.560	8447	23.3	34	SN		C	1907	.72	.90			E
HALE	20	2038	2049	2040	N34	W81	.981	8435	14.8	11	SN	1	C	2040	.26				
HALE	21	0205	0230	0216	N35	W81	.981	8435	15.0	25	SN	2	C	0216	.31				KJT
HALE	21	0250	0303	0256	N34	W81	.981	8435	15.0	13	SN	2	C	0256	.31				JT
MANI	21	0614	0626	0616	N32	W78	.971	8435	15.4	12	SF	1		0616	.15	.39			
CAPS	21	0937	0954		N17	W69	.927	8438	16.2	17	SN	3		0947	.70			170	C
LOCK	21	1553	1610	1601	N35	W90	.998		14.9	17	1F		C	1601	.60	2.40		10	
HALE	21	1615E	1640	1618	N35	W85	.990	8435	15.3	25D	1B	2	P	1618	.52				KJT
HALE	21			1625										1625	.72				
HALE	21	1650	1701	1655	N35	W85	.990	8435	15.3	11	SN	2	C	1655	.31				JT
HALE	21	1718E	1740D	1725	N24	E80	.978	8459	27.7	22D	SN	3	P	1725	.41				
LOCK	21	2310	2332	2320	N35	W90	.998		15.2	22	SF		C	2320	.40	1.60		20	
HALE	21	2327	2341	2329	N33	W86	.992	8435	15.5	14	SN	3	C	2329	.21				T
MANI	22	0534	0543	0536	N21	E90	.999	8461	29.0	9	SN	2		0536	.15	.50			
MANI	22	0612	0620	0616	N23	E77	.968	8461	28.0	8	SF	2		0616	.62	1.50			
KAND	22	0735	0743		N24	W90	.999	8438	15.6	8	SB		O						C
KAND	22	1018	1050		N32	E84	.988	8460	28.7	32	SN		E						P
CAPS	22	1418	1435		N24	E74	.954	8438	28.1	17	SB	3		1420	.50			194	CD
LOCK	22	2113	2220	2145	N28	E59	.861		27.3	67	2N		C	2145	2.80	5.30		20	
HALE	22	2125	2220	2144	N30	E58	.857	8459	27.2	55	1B	1	C	2144	1.03	2.10			S
HUAN	22	2132	2207		N29	E60	.870	8459	27.4	35	SF	1	C	2143	1.24	1.80			
MCMA	22	2137	2221		N28	E60	.869	8459	27.4	44	1N		P	2145	1.24	2.50			F
LOCK	22	2258	2330	2306	N38	E48	.802		26.6	32	1N		C	2306	1.90	3.20		20	
CAPS	23	0625	0808		N24	E61	.872	8440	27.8	103	1N	1		0745	2.00	4.00		182	KI
MANI	23	0627	0647	0628	N23	E60	.864	8459	27.8	20	SN	2		0628	.72	1.31			
KAND	23	0655	1310		N23	E61	.872	8461	27.9	375	1N		O	0800		5.00			C
KAND	23	0655	1229		N06	E13	.224	8454	24.3	334	1N		A	0914		2.50			C
ISTA	23	0720	0730		N17	E63	.885	8461	28.0	10	1								
ISTA	23	0742	0825		N17	E63	.885	8461	28.0	43	1								
ISTA	23	0742	0815		N18	E61	.869	8461	27.9	33	S								
KAND	23	0950	1220		N20	E72	.944	8461	28.8	150	1B		A	1002		4.40			C
CAPS	23	0954	1130		N24	E62	.880	8440	28.1	96	2N	2		1100	2.50			215	FIJ
CAPS	23	1307	1323		N26	E59	.859	8440	28.0	16	SN	3		1311	.80			166	CJ
HUAN	23	1308	1321	1311	N23	E60	.864	8459	28.0	13	SN	2	C	1311	.31	.44			D
MCMA	23	1310	1320		N23	E60	.864	8459	28.0	10	SB		C	1310	.52	1.00			DH
HALE	23	1623E	1636D	1631	N27	E52	.800	8459	27.6	13D	SN	1	P	1631	.21	.30			
MCMA	23	1746	1753		N23	E60	.864	8459	28.2	7	SB		P	1753	.41	.80			E
HUAN	23	1752	1809		N24	E58	.848	8459	28.1	17	SF	2	C	1759	.21	.29			D
MANI	23	2234	2247	2237	N22	E51	.781	8459	27.8	13	SN	2		2237	.50	.79			
MANI	24	0530	0535		N20	E60	.861	8461	28.7	5	SN	2		0531	.21	.38			
ARCE	24	0810	0833	0823	N27	E90	.998	8467	31.1	23	1N		C	0823	.69	3.90			
KAND	24	0815	1415		N25	E90	.999	8467	31.1	360	2B		E						P
ARCE	24	0823	0847	0833	N23	E69	.762	8461	28.0	24	SN		C	0833	.65	1.02			
ONDR	24	0843	0852		N24	E53	.804	8461	28.3	9	1N		V	0843			2.10		H
ARCE	24	0845	0847	0846	N23	E51	.783	8461	28.2	2	1B		C	0846	1.34	2.18			
KAND	24	0847	1226		N22	E53	.800	8461	28.3	219	SN		E						P
KAND	24	0910	1415		N07	W01	.017	8454	24.3	305	1N		E	0957		4.60			P
ARCE	24	0920	0955		N05	W07	.126	8454	23.9	35	SF		C	0950	.72	.72			H
KAND	24	1010	1035		N39	E20	.598	8457	25.9	25	SN		E						P

SOLAR FLARES

AUGUST 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 AUG	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	24	1100	1415		N23	E59	.855	8461	28.9	195	SB		E						P
MCMA	24	1248	1420	1253	N25	E58	.849	8461	28.9	92	SF		C						
MCMA	24			1306									C	1306	.31	.60			DHK
CAPS	24	1308	1344		N26	E61	.874	8440	29.1	36	SF	3		1312	.70	1.40		157	JD
KAND	24	1345	1410		N19	W24	.442	8447	22.8	25	SF		E						P
HUAN	24	1425	1431		N08	W09	.156	8447	23.9	6	SF	1	P	1428	.25	.25			D
MCMA	24	1430	1450	1440	N25	E58	.849	8461	29.0	20	SF		C	1440	.41	.80			DH
CAPS	24	1438	1452		N26	E61	.874	8440	29.2	14	SN	2		1439	.50			180	DJ
MCMA	24	1453	1550		N23	E56	.829	8461	28.8	57	SF		C	1504	.83	1.60			EH
MCMA	24	1621	1655	1625	N23	E58	.847	8461	29.0	34	SF		C	1625	.41	.80			D
MCMA	24	1858	1904		N24	E40	.668	8459	27.8	6	SN		P	1903	.77	1.50			EH
LOCK	24	2212	2245	2219	N06	W15	.258		23.8	33	SN		C	2219	1.70	1.70		20	
MANI	25	0023	0036	0025	N31	E48	.775	8460	28.6	13	SN	2		0025	.15	.24			
HALE	25	0340	0358	0344	N24	E35	.610	8461	27.8	18	SN	1	C	0344	.26	.30			
MANI	25	0342	0347	0343	N22	E30	.538	8459	27.4	5	SB	2		0343	.15	.18			
MANI	25	0549	0608	0553	N22	E28	.513	8459	27.3	19	SN	2		0553	.41	.48			
CAPS	25	0621	0632		N06	W22	.373	8454	23.6	11	1B	2		0623	2.50	2.60		240	J
MANI	25	0622	0653	0629	N07	W19	.323	8454	23.8	31	1B	2		0629	4.23	4.47			
KAND	25	0905	1025		N22	E45	.718	8461	28.8	80	SN		A						C
KAND	25	0945	0952		N21	E29	.520	8459	27.6	7	SN		A						C
KAND	25	0955	1025		N08	W17	.290	8454	24.1	30	SN		A						C
KAND	25	1040	1105		N32	E47	.769	8460	29.0	25	SF		E						C
CAPS	25	1127	1132		N25	E30	.557	8459	27.7	5	SN	3		1129	.40	.50		170	D
KAND	25	1128	1136		N22	E37	.625	8461	28.3	8	SF		E						C
KAND	25	1354	1420		N06	W20	.340	8454	24.1	26	SN		O						C
SACP	25	1356	1422	1400	N06	W25	.420	8454	23.7	26	1N		C		3.48	3.50			
CAPS	25	1357	1412		N08	W24	.404	8454	23.8	15	1B	3		1405	2.00	2.20		205	F
HUAN	25	1358	1419	1401	N07	W25	.420	8454	23.7	21	SB	1	C	1401	1.44	1.45			E
MCMA	25	1454	1510		N07	W25	.420	8454	23.7	16	SN		C	1458	.52	.60			BF
HALE	25	2325	2330	2325	N22	E37	.625	8461	28.8	5	SN	2	C	2325	.10	.10			
HALE	25	2341	0001D	2342	N08	W26	.435	8454	24.0	20D	1N	2	P	2342	2.06	2.30			F
MANI	25	2343	2355	2348	N07	W27	.451	8454	24.0	12	SN	2		2348	.46	.52			
HALE	26	0028	0042	0035	N26	E66	.909	8467	31.0	14	SN	2	C	0035	.15				
HALE	26	0143	0215	0146	N23	E15	.366	8459	27.2	32	SN	2	C	0146	.72	.80			
HALE	26	0227	0300	0245	N25	E38	.649	8461	29.0	33	SN	2	C	0245	.72	1.00			
HALE	26	0309	0313	0310	N27	E23	.493	8459	27.9	4	SN	2	C	0310	.21	.20			
HALE	26	0328	0335	0330	N07	W30	.497	8454	23.9	7	SN	2	C	0330	.26	.30			
ISTA	26	0750	0805		N24	E23	.466	8461	28.1	15	S								
KAND	26	0755	0811		N25	E16	.400	8459	27.5	16	SF		O						C
ISTA	26	0820	0830		N22	E34	.588	8461	28.9	10	S								
ISTA	26	0825	0835		N19	W49	.755	8443	22.7	10	S								
KAND	26	0828	0910		N22	W50	.770	8443	22.6	42	SF		A						C
KAND	26	0828	1326		N18	E34	.572	8461	28.9	298	1N		A	1212		4.30			C
MEUD	26	0834	0930	0840	N18	W48	.743	8447	22.8	56	SF			0840	.72	1.02			
CAPS	26	0835	0849		N20	W46	.724	8443	22.9	14	SN	2		0837	.30	.40		160	
ARCE	26	0835	0840		N20	E33	.566	8447	28.8	5	SN		C	0835	.78	.96			
ARCE	26	0835	0905		N20	W47	.735	8447	22.8	30	SN		C	0835	.59	.88			EH
KAND	26	0930	1012		N22	E25	.475	8461	28.3	42	SF		A						C
MEUD	26	1002	1009	1003	N10	W35	.570	8454	23.8	7	SF			1003	.93	1.10			
KAND	26	1010	1323		N07	W34	.555	8454	23.9	193			A						C
MCMA	26	1245	1257	1249	N07	W33	.541	8454	24.1	12	SB		C	1249	.52	.60			E
HUAN	26	1246	1251		N07	W34	.555	8454	24.0	5	SF	1	P	1249	.46	.49			E
HUAN	26	1348	1354	1350	N20	E32	.553	8461	29.0	6	SF	1	C	1350	.21	.21			D
SACP	26	1413	1457	1431	N20	W50	.767	8447	22.8	44	SF		C		.77	.97			
HUAN	26	1414	1456	1425	N20	W50	.767	8447	22.8	42	SF	2	C	1425	.37	.46			E
MCMA	26	1415	1432	1420	N20	W51	.777	8443	22.8	17	SN		C	1420	.52	.80			D
MCMA	26	1512	1548	1517	N22	E25	.475	8461	28.5	36	SB		C	1517	.41	.50			D
HUAN	26	1513	1534	1523	N21	E25	.468	8461	28.5	21	SN	2	C	1523	.50	.50			E
MCMA	26	1530	1545	1532	N22	E58	.846	8467	31.0	15	SN		C	1532	.52	1.00			D
HUAN	26	1549	1601	1552	N08	W36	.583	8454	24.0	12	SF	2	C	1552	.25	.27			E
HUAN	26	1728	1757		N28	E20	.473	8461	28.2	29					.25	.25			
HUAN	26	1728	1757	1745	N23	E26	.495	8461	28.7	29	SN	2	C	1745	.37	.38			E
LOCK	26	1730	1755	1740	N26	E22	.473		28.4	25	SN		C	1740	1.60	1.80		20	
SACP	26	1730	1950	1829	N24	E20	.432	8461	28.2	140	2N		C		10.32	10.45			
MCMA	26	1733	1744		N28	E22	.493	8459	28.4	11	SN		P	1744	.62	.70			E
MCMA	26	1742	1744		N23	E26	.495	8461	28.7	2	SN		P	1744	.52	.60			D
LOCK	26	1800	1900	1818	N25	E21	.453		28.3	60	1N		C	1818	4.60	5.10		20	
HUAN	26	1805	1837		N23	E22	.446	8461	28.4	32	1N	2	P	1826	3.76	3.85			E
MCMA	26	1806	1955	1820	N23	E26	.495	8461	28.7	109	2B		C	1820	6.19	7.00			IH
HALE	26	1813	1854	1820	N23	E19	.411	8459	28.2	41	2B	1	P	1823	5.16	5.70			FI
SACP	26	2028	2049	2039	N24	E54	.813	8467	30.9	21	SF		C		.95	1.26			
MCMA	26	2033	2049	2037	N22	E56	.828	8467	31.1	16	SN		P	2037	.41	.80			EL
MCMA	26	2138	2150	2148	N22	E57	.837	8467	31.2	12	SN		C	2148	.52	1.00			EL
SACP	26	2146	2324	2215	N24	E29	.538	8461	29.1	98	2B		C		5.18	5.45			
LOCK	26	2153	2240	2210	N24	E30	.550		29.2	47	2N		C	2210	4.30	5.20		20	
HUAN	26	2200	2235		N24	E32	.574	8461	29.3	35	SN	2	P	2212	1.65	1.75			E
LOCK	26	2315	2340	2324	N26	E22	.473		28.6	25	SN		C	2324	.70	.80		20	
SACP	26	2317	2350	2324	N24	E19	.421	8461	28.4	33	SF		C		1.90	1.91			

SOLAR FLARES

AUGUST 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 AUG	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. %	
MANI	26	2342	2352		N22	E26	.488	8461	28.9	10	SN	2		2342	.26	.30			
HALE	27	0047E	0053D	0047U	N07	W54	.804	8454	23.0	6D	SN	1	P	0047	.26	.40			
MANI	27	0210	0238	0216	N24	E30	.550	8461	29.3	28	SB	3		0216	1.20	1.30			
KAND	27	0830	1012		N17	E21	.387	8461	28.9	102			A						
KAND	27	0830	1012		N08	W45	.702	8454	24.0	102			A						
ISTA	27	0900	0908		N08	W48	.738	8454	23.8	8	S								
WEND	27	0903	0916		N07	W46	.715	8454	23.9	13	SN								
ARCE	27	0903	0923		N06	W49	.751	8454	23.7	20	SN		C	0903	.75	1.15			
MEUD	27	1056	1109	1100	N04	W43	.681	8454	24.2	13	1N			1100	1.86	2.60			
SACP	27	1256	1335	1306	N22	E12	.324	8461	28.4	39	1N		C		4.64	4.58			
MCMA	27	1256	1337	1305	N22	E12	.324	8461	28.4	41	1B		C	1305	1.24	2.10			FL
HUAN	27	1257	1305	1259	N21	E13	.322	8461	28.5	8	SN	2	C	1259	.57	.57			E
WEND	27	1258	1316		N22	E13	.334	8461	28.5	18	1B	4			4.13				
CAPS	27	1259	1302		N19	E19	.374	8461	29.0	3	SN	1		1300	1.80	2.00		165	
WEND	27	1301	1325		N20	E12	.299	8461	28.4	24	SN								
WEND	27	1310	1322		N08	W54	.804	8454	23.5	12	SN								
MCMA	27	1433	1455	1437	N07	W50	.762	8454	23.9	22	SB		C	1437	.52	.70			E
WEND	27	1434	1449		N08	W51	.772	8454	23.8	15	SB								
WEND	27	1434	1444		N10	W49	.749	8454	23.9	10	SN								
HUAN	27	1434	1450		N13	W45	.703	8454	24.2	16					.21	.25			
HUAN	27	1434	1450	1436	N08	W51	.772	8454	23.8	16	SN	2	C	1436	.45	.57			E
MCMA	27	1600	1618	1611	N22	E12	.324	8461	28.6	18	SB		C	1611	1.55	1.60			FH
HUAN	27	1601	1615		N21	E15	.344	8461	28.8	14	SF	2	C	1611	.45	.45			E
WEND	27	1603	1618		N20	E15	.333	8461	28.8	15	SF								
WEND	27	1603	1623		N23	E18	.399	8461	29.0	20	SN								
SACP	27	1609	1616	1610	N22	E15	.355	8461	28.8	7	SN		C		1.46	1.45			
SACP	27	1656	1715	1701	N24	E44	.712	8467	31.0	19	SF		C		.86	1.01			
MCMA	27	1704	1715	1708	N22	E12	.324	8461	28.6	11	SN		C	1708	.62	.70			E
HUAN	27	1707	1714	1708	N08	W53	.794	8454	23.7	7	SF	2	C	1708	.21	.26			D
MCMA	27	1756	1820		N22	E11	.314	8461	28.6	24	SN		C	1756	.77	.80			E
MCMA	27	1800	1822	1803	N07	W52	.783	8454	23.9	22	SN		C	1803	.52	.70			E
LOCK	27	1808	1816	1812	N21	E16	.355		29.0	8	SN		C	1812	.70	.70		20	
MCMA	27	1844	1857	1848	N22	E10	.305	8461	28.5	13	SN		C	1848	.52	.60			E
HUAN	27	1845	1854	1849	N21	E13	.322	8461	28.8	9	SF	2	C	1849	.50	.50			E
SACP	27	1846	1910U	1854U	N22	E13	.334	8461	28.8	24U	SN		P		1.55	1.53			
HUAN	27	1855	1923	1858	N07	W50	.762	8454	24.0	28	SN	2	C	1858	.83	1.03			E
HUAN	27	1855	1927		N08	W56	.824	8454	23.6	32					.25	.33			
MCMA	27	1855	1923		N06	W53	.795	8454	23.8	28	1B		C	1908	1.55	2.50			F
SACP	27	1859E	1932	1909	N07	W51	.773	8454	24.0	33D	1F		P		2.69	3.40			
SACP	27	1932	1939	1935	N10	W56	.823	8447	23.6	7	SF		C		.18	.23			
LOCK	27	1955	2150	2040	N23	E13	.346		28.8	115	SN		C	2040	1.60	1.80		20	
MCMA	27	2007	2206	2035	N22	E10	.305	8459, 8461	28.6	119	1N		C	2035	2.27	2.30			F
MCMA	27																		
SACP	27	2015	2137	2030	N22	E11	.314	8461	28.7	82	1N		C		4.94	4.88			
HUAN	27	2015	2059	2035	N21	E15	.344	8461	29.0	44	SN	1	P	2035	1.01	1.00			E
LOCK	27	2200	2250	2210	N24	E13	.359		28.9	50	SN		C	2210	.90	.90		20	
SACP	27	2245	2347D	2251	N22	E08	.289	8461	28.5	62D	1N		P		2.77	2.73			
MANI	27	2324	2339	2327	N21	E07	.267	8459	28.5	15	SN	2		2327	.41	.43			
MANI	28	0047	0110	0050	N07	W54	.804	8454	24.0	23	SB	2		0050	.46	.76			
MANI	28	0323	0340	0326	N25	E08	.333	8461	28.7	17	SN	1		0326	.57	.60			
MANI	28	0512	0540	0518	N06	W60	.862	8454	23.7	28	1B	2		0518	1.44	2.63			
CAPS	28	0644	0645		N20	E04	.233	8461	28.6	1	SN	1							C
KAND	28	0650	0734		N21	E06	.260	8461	28.7	44	1N		O	0654		3.00			P
KAND	28	0709	0734		N08	W55	.814	8454	24.2	25	SN		O						P
CAPS	28	0715	0730		N06	W58	.844	8454	24.0	15	SF	2		0720	.30	.50		157	E
WEND	28	0950	1022		N07	E66	.910		2.4	32	1N	4			4.13				
ONDR	28	0951	1008		N08	W63	.886	8454	23.7	17	1N		V	1000			2.70		C
CAPS	28	0952	1013		N06	W65	.903	8454	23.5	21	1N	3		1000	1.20			192	JG
MEUD	28	0952	1000	0959	N06	W65	.903	8454	23.5	8	SB			0959	1.00				
HERS	28	0952	1025	0955	N07	W68	.923	8454	23.3	33	1N		P	0958	.93	2.50			DH
HUAN	28	1153	1209	1157	N08	W60	.861	8454	24.0	16	SN	2	C	1157	.77	1.13			E
MEUD	28	1200			N03	W55	.818	8454	24.4		1B				1.50				
WEND	28	1241	1255		N18	E62	.877	8470	2.2	14	SN								
WEND	28	1241	1336		N17	E61	.868	8474	2.1	55	1N	4			4.13				
HUAN	28	1243	1250	1245	N07	W68	.923	8454	23.4	7	SF	2	C	1245	.25				D
WEND	28	1244	1258		N21	E28	.506	8467	30.6	14	SN								
MCMA	28	1302	1350		N17	W60	.860	8474	24.0	48	SB		C	1312	.31	.80			BE
WEND	28	1309	1322		N26	E03	.327	8461	28.8	13	SF								
MCMA	28	1522	2000	1529	N23	E04	.281	8459, 8461	28.9	278	3B		C	1529	12.38	12.70			ITUV
MCMA	28																		
CAPS	28	1523	1702		N22	E06	.275	8461	29.1	99	2B	3		1540	7.40	7.70		305	FIUG
HUAN	28	1523	1925	1529	N22	E04	.265	8461	28.9	242	2B	2	C	1529	6.50	6.50			HU
WEND	28	1525	1600	1538	N21	E05	.254	8461	29.0	35	4B	2			26.81				
LOCK	28	1530E	1700	1530U	N21	E04	.249		28.9	90D	2B		C	1530	10.30	10.30		30	
SACP	28	1531E	1945D	1537	N22	E01	.257	8461	28.7	254D	3F		P		19.56	19.22			
SACP	28	1637	1657	1646	N07	W61	.870	8454	24.1	20	1N		C		2.43	3.66			
HUAN	28	1638	1656	1647	N08	W62	.878	8454	24.0	18				1647	.62	.95			
HUAN	28			1643	N08	W63	.886					2	C	1643	.57	.87			E

SOLAR FLARES

AUGUST 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. %	
	AUG																		
HALE	28	1640E	1945	1640U	N21	E05	.254	8461	29.1	185D	1B	2	P	1640	2.89	3.00			
HALE	28	1640E	1646	1643	N08	W59	.852	8454	24.3	6D	1B	1	P	1643	1.34	2.50			
MCMA	28	1640	1657	1643	N07	W65	.902	8454	23.8	17	1B		C	1643	.93	2.10			EH
CAPS	28	1644	1653		N06	W60	.862	8454	24.2	9	1N	2			4.13				G
LOCK	28	1645	1658	1648	N09	W55	.814		24.6	13	SB		C	1648	.70	1.30		30	
HALE	28	1745	1750	1746	N22	W00	.257	8461	28.7	5	SN	1	C	1746	.52	.50			
HALE	28	1755	1812	1758	N05	W72	.949	8454	23.3	17	1B	1	C	1758	1.03				
HALE	28	1804	1817	1807	N06	W69	.930	8454	23.6	13	SN	1	C	1807	.31				
HALE	28	1818	1828	1822	N22	W00	.257	8461	28.8	10	SN	1	C	1822	.41	.40			
HALE	28	2046	2100	2047	N23	E26	.494	8467	30.8	14	SN	1	C	2047	.93	1.10			
HALE	28	2047	2100	2050	N22	W00	.257	8461	28.9	13	SB	1	C	2050	.62	.60			
HALE	28	2047	2115	2050	N28	E33	.609	8467	31.3	28	SN	1	C	2050	.62	.80			
MCMA	28	2047	2059	2049	N25	E30	.556	8467	31.1	12	SF		C	2049	1.34	1.50			F
MCMA	28	2049	2105	2052	N23	E04	.281	8461	29.2	16	SB		C	2052	.62	.60			E
HALE	28	2110	2125	2115	N06	W69	.930	8454	23.7	15	SB	1	C	2115	.52				
MCMA	28	2112	2120	2118	N07	W68	.923	8454	23.8	8	SN		C	2118	.62	1.50			E
SACP	28	2114U	2139	2118	N07	W71	.942	8454	23.6	25U	1N		P		1.56	2.98			
MCMA	28	2123	2150	2135	N23	E03	.278	8461	29.1	27	SN		C	2135	1.29	1.40			E
MCMA	28	2127	2136	2130	N07	W68	.923	8454	23.8	9	SN		C	2130	.41	1.00			E
HALE	28	2130	2150	2133	N22	E00	.257	8461	28.9	20	SB	1	C	2133	1.44	1.50			
HALE	28	2210	2232	2213	N22	E00	.257	8461	28.9	22	SB	1	C	2213	.83	.90			
MCMA	28	2210	2223	2215	N23	E03	.278	8361	29.1	13	SN		C	2215	1.03	1.10			E
MANI	28	2215	2218		N23	W02	.276	8461	28.8	3	SN	2		2216	.26	.67			
MANI	28	2216	2224	2219	N05	W73	.954	8454	23.5	8	SN	2		2219	.36	.80			
HALE	28	2218	2222	2219	N05	W74	.959	8454	23.4	4	SB	1	C	2219	.41				
MCMA	28	2218	2222	2219	N07	W72	.948	8454	23.5	4	SB		C	2219	.52	1.50			D
MCMA	28	2235	2255	2239	N23	E03	.278	8461	29.2	20	SF		C	2239	1.03	1.10			E
HALE	29	0155	0207	0201	N23	E63	.886	8474	2.8	12	SN	2	C	0201	.57	1.30			TJ
MANI	29	0240	0253	0244	N20	E61	.869	8474	2.7	13	SF	1		0244	.41	.76			
HALE	29	0242	0253	0244	N22	E62	.878	8474	2.8	11	SN	1	C	0244	.31	.70			TJ
HALE	29	0306	0340D	0327	N22	E62	.878	8474	2.8	34D	SB	2	P	0327	.62	1.30			TJ
HALE	29	0313	0326	0317	N07	W72	.948	8454	23.7	13	SN	2	C	0317	.36				T
HALE	29	0323	0338D	0333	N08	W79	.979	8454	23.2	15D	1N	2	P	0333	.62				T
HALE	29	0358E	0408	0402	N22	E62	.878	8474	2.8	10D	SN	1	P	0402	.21	.40			T
HALE	29	0358E	0406	0358E	N11	W69	.928	8454	24.0	8D	SN	1	P	0358	.31				TJ
HALE	29	0413	0422	0418	N22	E62	.878	8474	2.8	9	SN	2	C	0418	.21	.40			T
HALE	29	0421	0430	0427	N20	E58	.844	8474	2.5	9	SN	3	C	0427	.21	.40			
HALE	29	0425	0435D	0430	N22	E62	.878	8474	2.8	10D	SN	3	P	0430	.15	.30			T
HALE	29	0426	0435	0430	N21	E58	.845	8474	2.5	9	SB	3	C	0430	.15	.30			T
HALE	29	0426	0435D	0431	N22	E57	.837	8474	2.5	9D	SN	3	P	0431	.15	.30			T
ONDR	29	0536	0643	0546	N21	W07	.266	8461	28.7	67	1N		V	0546			2.90		CEFH
WEND	29	0540	0639		N22	W07	.281	8461	28.7	59	2N	6			6.19				
WEND	29	0540	0555		N22	E62	.878	8474	2.9	15	1N	4			4.13				
MANI	29	0548	0609	0550	N20	W06	.244	8461	28.8	21	SN	1		0550	1.55	1.60			
CAPS	29	0554	0621		N09	W08	.142	8461	28.6	27	SB	3		0557	1.80	1.90		220	
CAPS	29	0606	0704		N22	E60	.862	8474	2.8	58	1N	3		0608	2.00			182	EK
WEND	29	0609	0652		N22	E62	.878	8474	2.9	43	1N	4			4.13				
CAPS	29	0726	0745		N22	E60	.862	8474	2.8	19	1N	3		0737	1.20			182	
WEND	29	0726	0801		N22	E61	.870	8474	2.9	35	1N	5			5.16				
CAPS	29	0805	0813		N03	W70	.938	8454	24.1	8	1B	3		0808	1.00			201	V
ARCE	29	0806	0810		N06	W71	.942	8454	24.0	4	SN		C	0806	.65	1.53			E
WEND	29	0807	0821		N07	W68	.923	8454	24.2	14	1N	3			3.09				
ARCE	29	0830	0851		N21	E61	.870	8474	2.9	21	1N		C	0835	.98	2.02			H
ARCE	29	0849	0905	0849	N21	W08	.274	8461	28.8	16	SN		C	0849	1.63	1.71			H
CAPS	29	0850	0908		N20	W05	.238	8461	29.0	18	1N	3		0852	2.00	2.10		185	HJG
CAPS	29	0853	0859		N22	E60	.862	8474	2.9	6	1F	3		0855	2.30			156	
CAPS	29	1028	1100		N21	E59	.853	8474	2.9	32	SN	3		1030	.50	.90		180	D
ONDR	29	1158	1211		S16	W90	1.001	8479	22.7	13	SF		V	1203			1.50		AGJ
CAPS	29	1206	1233		N20	W10	.278	8461	28.8	27	SB	2		1210	.50	.60		203	G
ONDR	29	1207	1211		N22	W10	.304	8461	28.8	4	1F		V				1.80		CJ
HUAN	29	1225	1237	1229	N08	W73	.952	8454	24.0	12	SF	2	C	1229	.37				D
CAPS	29	1226	1237		N04	W70	.938	8454	24.3	11	SN	2		1232	.40			150	G
SACP	29	1318	1507	1340	N22	W13	.333	8461	28.6	109	1N		C		3.57	3.53			
MCMA	29	1324	1445	1333	N21	W11	.300	8461	28.7	81	1B		C	1333	2.17	2.20			FHX
HUAN	29	1328	1407	1335	N21	W11	.300	8461	28.7	39	SN	2	C	1335	1.13	1.13			E
SACP	29	1332	1401	1340	N20	W77	.968	8447	23.8	29	SN		C		.53	1.18			
HUAN	29	1332	1348	1338	N19	W80	.979	8447	23.6	16	SF	2	C	1338	.25				D
CAPS	29	1334	1347		N15	W77	.969	8447	23.8	13	SF	3							D
CAPS	29	1334	1427		N20	W13	.309	8461	28.6	53	1B	3		1340	2.40	2.50		270	CFHIL
ONDR	29	1337	1359		N22	W11	.313	8461	28.7	22	2		V						F
WEND	29	1343	1358		N19	W09	.255	8461	28.9	15	SB								
WEND	29	1343	1429		N18	W11	.263	8461	28.7	46	1N	4			4.13				
WEND	29	1411	1422		N19	W09	.255	8461	28.9	11	SN								
ONDR	29	1437	1444		S16	W90	1.001	8479	22.9	7	1F		V	1444			1.50		AG
SACP	29	1446	1529	1456	N21	E53	.799	8474	2.6	43	SF		C		.87	1.14			
MCMA	29	1454	1520	1458	N22	W12	.323	8461	28.7	26	SN		C	1458	1.03	1.10			E
MCMA	29	1545	1615	1548	N21	W11	.300	8461	28.8	30	SN		C	1548	.52	.50			E
LOCK	29	1645E	1735	1710	S22	W90	1.001		22.9	50D	1F		C	1720	.60	2.20		10	
HUAN	29	1656	1701	1657	N08	W75	.962	8454	24.1	5	SF	2	C	1657	.21				D

SOLAR FLARES

AUGUST 1966

OBSERVATORY	OBSERVED UT DATE 1966 AUG	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
LOCK	29	1810	1835	1820	N22	W12	.323		28.9	25	SN		C	1820	.60	.70		10	
MCMA	29	1828	1910		N21	W10	.291	8461	29.0	42	SB		C	1828	.83	.90			E
HALE	29	1830E	1921	1839	N23	W10	.318	8461	29.0	51D	SB	2	P	1839	.36	.40			
LOCK	29	1850	1920	1908	N22	W12	.323		28.9	30	SN		C	1908	1.40	1.50		10	
HALE	29	1950	2011	1953	N21	E53	.799	8474	2.8	21	SN	2	C	1953	.52	.90			
MCMA	29	1952	2000	1953	N20	E55	.817	8474	3.0	8	SN		C	1953	.41	.70			E
HALE	29	2021	2201	2043	N24	W16	.388	8461	28.6	100	2B	2	C	2043	5.16	5.60			EIXJ
MCMA	29	2023	2200	2035	N24	W16	.388	8459	28.6	97	1B		C	2035	1.96	2.10			F
MCMA	29							8461	28.6										
SACP	29	2028	2111D	2038	N25	W21	.452	8459	28.3	43D	1N		P		2.88	2.92			
LOCK	29	2058	2136	2120	N07	W90	1.000		23.1	38	1F		C	2120	1.00	3.80		10	
MCMA	29	2128	2158	2130	N22	W12	.323	8461	29.0	30	SN		C	2130	.83	.90			E
LOCK	29	2214	0110	2235	N05	W90	1.000		23.2	176	2N		C	2235	1.60	6.40		20	
SACP	29	2223	2250	2239	N06	W81	.986	8454	23.9	27	SF		C		1.09				
HALE	29	2230	2246	2235	N07	W83	.991	8454	23.7	16	1N	2	C	2235	.62				
HALE	29	2231	2258	2251	N06	W79	.980	8454	24.0	27	SN	2	C	2251	.31				
LOCK	29	2310	2329	2318	N07	W90	1.000		23.2	19	1F		C	2318	.80	3.20		10	
LOCK	29			2351	N05	W90	1.000		22.3		2N		C	2351	1.60	6.40		20	
HALE	30	0120	0134	0122	N06	W77	.972	8454	24.3	14	SN	1	C	0122	.21				
HALE	30	0212	0258	0236	N12	W28	.470	8461	28.0	46	1B	1	C	0236	4.13	4.70			FIL
MANI	30	0233	0243	0236	N25	W30	.556	8461	27.9	10	SN	1		0236	.52	.63			
HALE	30	0235	0258	0239	N25	W17	.409	8461	28.8	23	SN	1	C	0239	.83	.90			
HALE	30	0248	0312	0253	N30	W26	.551	8461	28.2	24	SB	1	C	0253	.72	.90			
ISTA	30	0855	0905		N06	W90	1.000	8454	23.6	10	1								
CAPS	30	1132	1137		N24	W19	.420	8461	29.1	5	SB	2		1135	1.50	1.60		198	CE
MCMA	30	1347	1417	1353	N22	W27	.499	8461	28.5	30	SN		C	1353	1.55	1.70			F
CAPS	30	1352	1413		N21	W26	.480	8461	28.6	21	SN	2		1402	.40	.50		176	
MCMA	30	1450	1546	1458	N22	W27	.499	8461	28.6	56	1B		C	1458	2.89	3.20			FL
HUAN	30	1451	1557	1456	N21	W25	.467	8461	28.7	66	1N	2	C	1456	1.86	1.85			EH
SACP	30	1451	1621	1512	N21	W27	.493	8461	28.6	90	2N		C		9.95	10.26			
HUAN	30	1451	1557	1547	N26	W25	.506	8461	28.7	66				1547	.74	.77			
MEUD	30	1500			N11	W25	.422	8461	28.8		2N				5.05	5.50			
LOCK	30	1525E		1525U	N21	W28	.506		28.5		2N		C	1525	5.00	6.00		20	
LOCK	30	1545	1605	1551	N28	W30	.576		28.4	20	1N		C	1551	2.30	2.70		20	
SACP	30	1545	1607	1548	N26	W26	.517	8461	28.7	22	2B		C		5.19	5.40			
MCMA	30	1546	1615	1548	N26	W26	.517	8461	28.7	29	1B		C						FL
LOCK	30	1850	1908	1900	N27	W28	.547		28.7	18	SF		C	1900	.70	.80		10	
HALE	30	1949	1956	1952	N26	W24	.494	8461	29.0	7	SN	1	C	1952	.21	.20			
HALE	30	2017	2035	2019	N23	W22	.445	8461	29.2	18	SN	1	C	2035	.36	.40			
MCMA	30	2017	2032	2020	N22	W27	.499	8461	28.8	15	SN		C	2020	.46	.50			EH
HALE	30	2151	2158D	2153	N25	W25	.497	8461	29.0	7D	SN	1	P	2153	.26	.30			
HALE	31	0036	0123	0059	N22	W29	.525	8461	28.8	47	1B	1	C	0059	2.06	2.40			TFKJ
LOCK	31	0038	0118D	0113	N20	W31	.540		28.7	40D	2N		C	0113	7.20	8.60		20	
MANI	31	0112	0347		N20	W30	.527	8461	28.8	155	2B	1		0114	5.00	5.90			
MANI	31	0112	0347	0240	N20	W30	.527		28.8	155				0240	4.13	4.90			
HALE	31	0155	0235	0210	N23	W29	.531	8461	28.9	40	SB	1	C	0210	1.03	1.20			TKJ
HALE	31	0226	0208	0229	N21	E36	.608	8474	2.8	422	SF	1	C	0229	.31	.40			
HALE	31	0255	0420D	0256	N26	W27	.528	8461	29.1	85D	SN	1	C	0256	.21	.20			T
MANI	31	0348	0421	0355	N22	W30	.537	8461	28.9	33	1N	1		0355	3.61	4.30			
HALE	31	0349	0420D	0353	N22	W31	.550	8461	28.8	31D	SB	1	C	0353	1.44	1.70			TKIF
KAND	31	0736	1405		N22	W33	.575	8461	28.8	389	1N		E	0817		6.00			
ARCE	31	0938	1000	0951	N21	W37	.620	8461	28.6	22	SN		C	0951	.81	1.05			
CAPS	31	0952	1010		N23	W35	.604	8461	28.8	18	SB	2		0953	.80	1.00		216	E
KAND	31	1015	1127		N25	E03	.310	8470	31.7	72	SN		E						
CAPS	31	1135	1215		N23	W36	.616	8461	28.8	40	1N	2		1144	2.00	2.50		175	GL
CAPS	31	1247	1335		N21	W36	.608	8461	28.8	48	SB	2		1256	.90	1.10		201	FK
MCMA	31	1249	1312	1254	N21	W39	.645	8461	28.6	23	SB		C	1254	.83	1.00			EK
HERS	31	1250	1304	1253	N21	W35	.595	8461	28.9	14	SN		P	1253	.72	.90			E
HUAN	31	1252	1309	1255	N22	W37	.624	8461	28.8	17	SF	2	C	1255	.57	.64			E
SACP	31	1307	1325	1315	N22	W39	.648	8461	28.6	18	1F		C		2.01	2.25			
HUAN	31	1310	1332	1318	N22	W40	.660	8461	28.5	22	SN	2	C	1318	.25	.28			D
MCMA	31	1312	1357	1316	N21	W41	.668	8461	28.5	45	SB		C						EK
MEUD	31	1314	1335	1320	N20	W38	.629	8461	28.7	21	1N			1320	2.89	3.80			
LOCK	31	1540	1615	1600	N21	W31	.545		29.3	35	SF		C	1600	.50	.60		10	
HUAN	31	1705	1708	1706	N21	W41	.668	8461	28.6	3	SF	2	C	1706	.21	.23			D
MCMA	31	1830	1848	1833	N26	W36	.631	8461	29.1	18	SB		C	1833	.52	.70			D
HALE	31	1831	1844	1832	N26	W36	.631	8461	29.1	13	SB	1	C	1832	.26	.30			T
HUAN	31	1831	1841	1832	N26	W36	.631	8461	29.1	10	SN	2	C	1832	.31	.34			D
SACP	31	1835E	2009	1917	N21	W39	.645	8461	28.8	94D	2F		C		6.90	7.70			
LOCK	31	1840	2000	1905	N21	W39	.645		28.9	80	2B		C	1905	4.80	6.20		30	
HALE	31	1847	1910	1852	N24	W33	.585	8461	29.3	23	SN	1	C	1852	.72	.90			TJIF
HUAN	31	1849	1922	1908	N20	W38	.629	8461	28.9	33				1908	2.11	2.32			
HUAN	31	1849	1922	1902	N25	W33	.591	8461	29.3	33	1F	2	C	1902	.77	.84			
MCMA	31	1853	1908		N25	W36	.625	8461	29.1	15	1N		P	1905	1.55	2.10			E
HALE	31	1905	1946	1908	N20	W41	.666	8461	28.7	41	SN	1	C	1908	1.44	1.90			TFI
MCMA	31	2013	2029		N23	W41	.675	8461	28.8	16	SN		P	2014	.62	.80			E
HALE	31	2015	2027	2018	N21	W44	.703	8461	28.5	12	SN	1	C	2018	.31	.40			T
HALE	31	2035	2044	2038	N21	W44	.703	8461	28.6	9	SN	1	C	2038	.52	.70			T
HUAN	31	2037	2041	2038	N21	W42	.680	8461	28.7	4	SF	2	C	2038	.25	.29			D
HALE	31	2114	2130	2118	N20	W44	.701	8461	28.6	16	SN	1	C	2118	.72	1.00			T
HUAN	31	2117	2122	2118	N21	W43	.692	8461	28.7	5	SF	2	C	2118	.50	.58			
MCMA	31	2117	2125	2118	N23	W42	.686	8461	28.7	8	SN		C	2118	.62	.80			E

Errata: 1. In CRPL-FB-264, August 1966, page IIIm, the coordinates for CULG, 01, 0420 start, should be S24 E59.

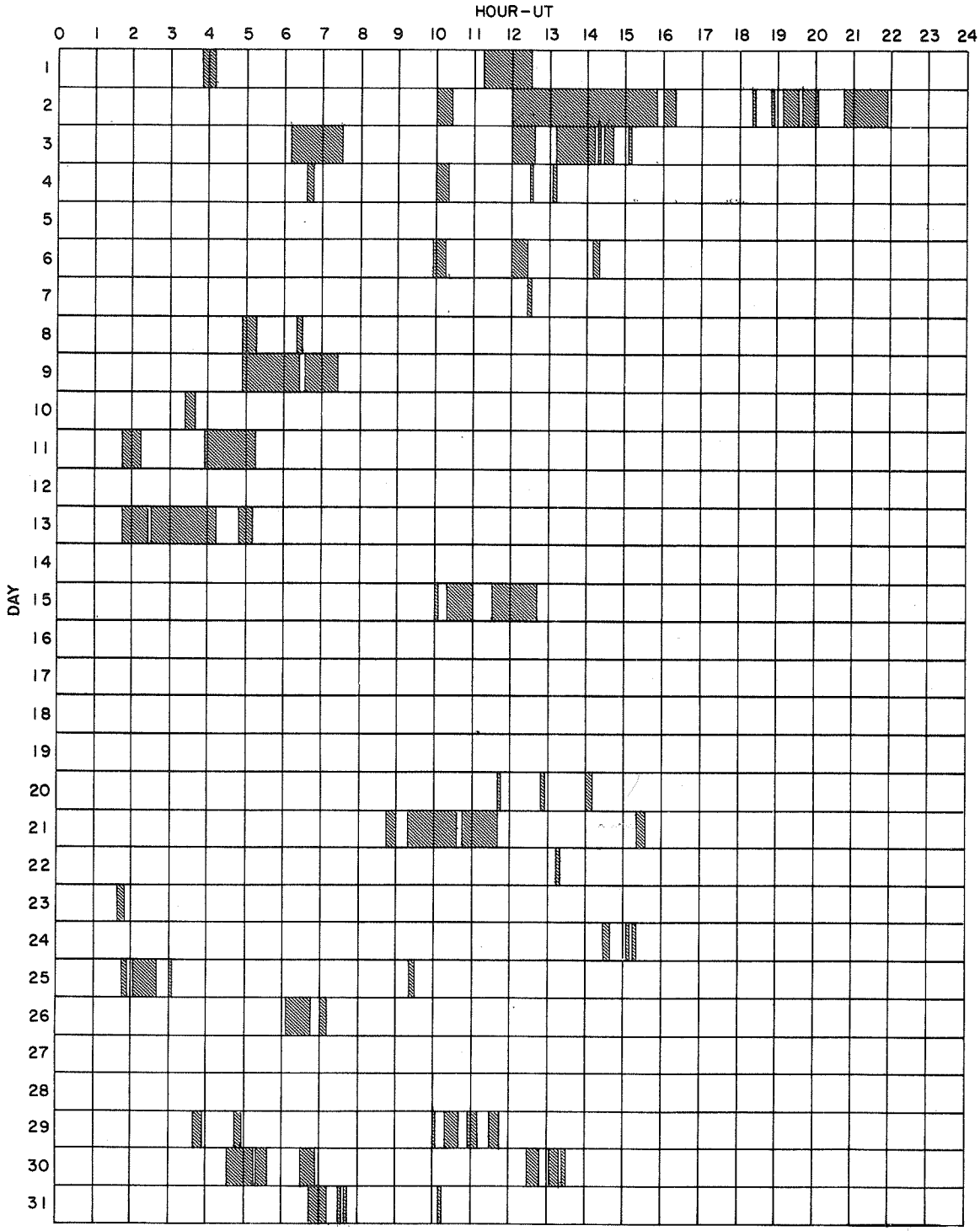
2. In CRPL-FB-264, August 1966, page IIIo, the McMath plage region should be 8251 for the flares of

	Date	Start
HUAN	06	1614
LOCK	06	1613
MCMA	06	1615
SACP	06	1615

INTERVALS OF NO FLARE PATROL OBSERVATIONS

PROVISIONAL

AUGUST 1966



Observatories included:

Arcetri Herstmonceux Istanboul Lockheed Meudon Sacramento Peak Wendelstein
Haleakala Huancayo Kandilli Manila Ondrejov Tortosa

SOLAR FLARES

MAY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 MAY	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.	
SACP	01	1340	1404	1352	S35	W38	.728	8282	28.7	24	SF		C		.08	.10			
LOCK	01	1555	1615	1605	S27	W16	.461	8282	30.5	20	SF		C	1605	.20	.20		10	
LOCK	01	1608	1700	1622	N25	E63	.925	8285	6.4	52	1B		C					10	FK
LOCK	01	1608	1700	1638	N25	E63	.925	8285	6.4	52			C	1638	1.00	2.20		10	FK
HUAN	01	1610	1654	1643	N22	E62	.914	8285	6.3	44	SN	2	C	1643	.70				E
SACP	01	1610	1707D	1646	N22	E62	.914	8285	6.3	57D	1N		P		1.30	2.22			
KANZ	01	1618E	1625		N19	E60	.894	8285	6.2	7D	SF								
HALE	01	1622	1705	1639	N23	E61	.909	8285	6.3	43	1N	2	C	1639	1.29				FK
MCMA	01	1639	1654	1645	N24	E61	.911	8285	6.3	15	SF		C	1645	.41	1.40			E
ONDR	01	1643	1656		N21	E59	.891	8285	6.1	13	1F		V	1646			1.70		CGJ
KANZ	01	1645	1657		N21	E60	.898	8285	6.2	12	SB								
LOCK	01	1702	1724	1708	S24	W15	.415	8282	30.6	22	SN		C	1708	.60	.70		20	H
HALE	01	1704	1730	1709	S23	W15	.403	8282	30.6	26	SN	2	C	1709	.93	1.00			
SACP	01	1705E	1707D	1707U	S25	W15	.428	8282	30.6	2D	SN		P		.69	.69			
MCMA	01	1705	1721	1710	S25	W14	.419	8282	30.7	16	SN		V	1710	.52	.60			DH
HUAN	01	1705	1721	1709	S25	W15	.428	8282	30.6	16	SN	2	C	1709	.48	.50			
LOCK	01	1831	1905	1848	S27	W17	.469	8282	30.5	34	SF		C	1848	.40	.40		10	K
LOCK	01	2023	2057	2040	S13	W13	.268	8282	30.9	34	SF		C	2040	.20	1.00		10	K
LOCK	01	2120	2157	2135	S13	W13	.268	8282	30.9	37	SF		C	2135	.20	.20		10	H
MANI	01	2156E	2203D		N15	E68	.940	8285	7.0	7D	SN	2		2158	.67	1.40			
LOCK	01	2224	2243	2229	N28	W23	.630	8279	30.2	19	SF		C	2229	.20	.30		10	
MANI	01	2226	2242	2233	N27	W22	.612	8279	30.3	16	SN	2		2233	.23	.40			
SACP	01	2227	2249	2230	N28	W21	.616	8279	30.4	22	SB		C		.26	.28			
LOCK	01	2350	2400	2355	S25	W19	.465	8282	30.6	10	SF		C	2355	.20	.20		10	
CULG	02	0311	0315	0313	S21	W18	.412	8282	30.8	4	SN		C	0313	.52	.57			L
MANI	02	0449E	0455	0451	N22	W42	.751	8278	29.1	6D	SN	2		0451	.21	.32			
ONDR	02	0703	0809		S24	W21	.476	8282	30.7	66	1N		V	0711			2.20		CDE
MEUD	02	0705	0732	0713	S23	W22	.477	8282	30.6	27	SB		C	0713	.90	1.00			
KANZ	02	0713E	0738		S23	W21	.466	8282	30.7	25D	1N			0719			2.00		F
LOCA	02	0715E	0745	0715	S23	W19	.444	8282	30.9	30D	1B		V	0715	1.89	2.10			
CAPS	02	0716E	0733		S23	W23	.488	8282	30.6	17D	SN	3		0722	1.80	2.00		176	
CAPF	02	0724E	0735D	0727	S23	W24	.499	8282	30.5	11D	SF		V	0730	1.65	1.80			
MEUD	02	0806	0823	0813	N15	E52	.818	8285	6.2	17	1N		C	0813	1.34	2.50			
ZURI	02	0807	0818	0813	N18	E60	.892	8285	6.8	11	1F		P	0813	1.26				
ARCE	02	0808E	0822D		N16	E53	.830	8285	6.3	14D	2N		C	0808	2.29	4.10			
ARCE	02	0808E	0822D		N16	E53	.830	8285	6.3	14D				0810	3.43	6.10			W
KAND	02	0808	0838		N21	E66	.936	8285	7.3	30	2B		C	0815		6.50			
ONDR	02	0809	0832	0815	N20	E65	.928	8285	7.2	23	1N		V	0815			2.00		CGH
ARCE	02	0811E	0824D	0816	N18	E55	.853	8285	6.5	13D	SN		C	0816	.98	1.90			
KANZ	02	0814E	0833		N20	E54	.850	8285	6.4	19D	SN			0818			2.10		
NERA	02	1030E	1100D		N25	E15	.538	8284	3.6	30D	1	2							
MCMA	02	1149	1220	1155	S27	W25	.546	8282	30.6	31	SN		C	1155	.21	.30			D
KAND	02	1155	1203		S24	W22	.486	8282	30.8	8	SN		P						
HUAN	02	1416	1436	1429	N24	W14	.518	8279	1.5	20	SF	2	C	1429	.26	.26			D
OTTA	02	1416	1521		N23	W14	.505	8279	1.5	65	SN	1	C	1432	.40	.48			FH
HUAN	02	1420	1429	1424	N18	E50	.809	8285	6.3	9	SF	2	C	1424	.41	.55			E
OTTA	02	1422	1533	1423	N18	E51	.818	8285	6.4	71	1B	2	C	1423	1.53	2.64			E
MCMA	02	1423	1435	1424	N20	E50	.816	8285	6.3	12	SN		V	1424	.67	1.20			E
KANZ	02	1424	1430		N19	E49	.803	8285	6.3	6	SF								D
KANZ	02	1430E	1441		N23	W13	.499	8279	1.6	11D	SF								EH
LOCK	02	1551	1558	1553	N22	E12	.479	8284	3.6	7	SF		C	1553	.20	.20		10	
OTTA	02	1553	1600		N22	E13	.485	8284	3.6	7	SF	1	C	1555	.17	.20			
KANZ	02	1554E	1608		N23	E18	.534	8284	4.0	14D	SF								D
MANI	03	0003	0020	0006	N21	W51	.828	8278	29.2	17	SN	2		0006	.31	.44			
LOCK	03	0035	0100	0041	N20	W55	.858	8278	28.9	25	SF		C	0041	.40	.80		10	
SACP	03	0057	0136D	0119	N22	W54	.856	8278	29.0	39D	SF		P		.71	1.02			
MANI	03	0122E	0140		N21	W51	.828	8278	29.2	18D	SN	2		0125	.40	.59			
LOCK	03	0130	0145	0138	N20	W55	.858	8278	28.9	15	SF		C	0138	.40	.80		10	
MANI	03	0412	0426	0415	N20	W52	.833	8278	29.3	14	SF	2		0415	.51	.74			
KANZ	03	0708E	0714		N32	E54	.888	8286	7.3	6D	SF								D
KANZ	03	0808E	0813D		N20	W59	.888	8278	28.9	5D	SF								D
KANZ	03	0837E	0850		N20	E49	.807	8285	7.0	13D	SF								
KANZ	03	0837E	0853		N20	E39	.709	8285	6.3	16D	SF								
KANZ	03	0841E	0856D		N27	W58	.898	8278	29.0	15D	SF								
SALT	03	1000E	1005		N15	W32	.601	8279	1.0	5D	SB	2							DG
ARCE	03	0900E	1010D		N30	W55	.888	8278	29.3	70D	SN		C	0945	.45	1.00			
ARCE	03	0930E	1010D		N23	W60	.902	8278	28.9	40D	SN		C	0945	.50	1.20			
ONDR	03	0957E	1015		N31	W56	.897	8278	29.2	18D	1F		V	1000			1.60		CDJ
KANZ	03	1003E	1103D		N27	W59	.905	8278	29.0	60D	1N			1035			2.10		DK
ONDR	03	1036E	1043	1036	N31	W56	.897	8278	29.2	7D	1F		V	1036			1.60		CDJ
MCMA	03	1104E	1118		N28	W58	.901	8278	29.1	14D	SN		V	1105	.52	1.20			BD
MCMA	03	1120E	1215	1140	N21	W61	.904	8278	28.9	55D	SN		V	1140	.52	1.20			EH
MCMA	03	1135	1149	1142	N28	W58	.901	8278	29.1	14	SN		V	1142	.31	.70			D
ONDR	03	1141E	1149		N31	W57	.903	8278	29.2	8D	1F		V	1142			1.30		CDJ
MCMA	03	1227	1233	1228	N28	W59	.907	8278	29.1	6	SN		V	1228	.41	1.00			D
HUAN	03	1239E	1241D		N22	W62	.913	8278	28.9	2D	SF	1	P	1240	.31	.51			E
KANZ	03	1343	1348		N20	E40	.720	8285	6.6	5	SF								
KANZ	03	1412	1420		N28	W35	.725	8279	1.0	8	SF								

SOLAR FLARES

MAY 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 MAY	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. %	
SACP	03	1429	1529	1503	N21	W61	.904	8278	29.0	60	SF		C		.88	1.43			
MCMA	03	1445	1502	1452	N21	W62	.911	8278	29.0	17	SF		C	1452	.36	.80			E
KANZ	03	1446	1450		N20	W60	.896	8278	29.1	4	SF								
SALT	03	1446E	1510		N22	W60	.900	8278	29.1	24D	SB	3		1455	.80	1.60		175	E
CLMX	03	1453	1527	1503	N12	W59	.873	8278	29.2	34	SF		C	1503	.30	.33			
LOCA	03	1453	1535	1500	N18	E45	.760	8285	7.0	42	1N		V	1500	1.36	2.40			
SACP	03	1454	1550	1510	N19	E44	.755	8285	6.9	56	1N		C		1.92	2.37			
KANZ	03	1457	1530		N20	E48	.797	8285	7.2	33	1N			1505			1.90		
CLMX	03	1457	1531	1510	N18	E44	.750	8285	6.9	34	SN		C	1510	.50	.60			
MCMA	03	1457	1546	1506	N21	E44	.764	8285	6.9	49	SB		V	1506	.52	.80			D
MCMA	03	1457	1546	1511	N21	E44	.764	8285	6.9	49				1511	.83	1.10			E
ONDR	03	1458E	1554		N16	E45	.752	8285	7.0	56D	1F		V	1506			1.90		CHL
CAPS	03	1500	1521		N18	E44	.750	8285	6.9	21	SF	3		1516	1.00	1.60		158	
SALT	03	1508E	1537		N21	E42	.745	8285	6.8	29D	1N	3		1516	2.20	3.50		175	GJ
KANZ	03	1612E	1648D		N21	W64	.924	8278	28.9	36D	SF								
LOCK	03	1635	1651	1642	N23	W32	.660	8279	1.3	16	SF		C	1642	.20	.30		10	
LOCK	03	1738	1805	1743	N26	W25	.623	8279	1.9	27	SF		C	1758	.20	.30		10	
LOCK	03	1738	1805	1758	N26	W25	.623	8279	1.9	27			C	1758	.20	.30		10	
HALE	03	1822	1827	1824	N23	W32	.660	8279	1.4	5	SN	2	C	1824	.52	.70			
HALE	03	1906	1917	1908	N19	W46	.775	8279	30.3	11	SN	2	C	1908	.77	1.20			
LOCK	03	1919	1950	1925	N26	W25	.623	8279	1.9	31	SF		C	1925	.20	.30		10	J
MCMA	03	1928E	2015		N27	W26	.641	8279	1.9	47D	SF		V	1951	.41	.50			D
LOCK	03	1932	1940	1935	N23	W32	.660	8279	1.4	8	SF		C	1935	.20	.30		10	
MCMA	03	2026E	2039D		N19	E43	.745	8285	7.1	13D	SN		C	2027	.31	.50			D
LOCK	03	2043	2052	2046	N23	W32	.660	8279	1.5	9	SF		C	2046	.30	.40		10	
HALE	03	2044	2054	2049	N23	W33	.669	8279	1.4	10	SN	1	C	2049	.52	.70			
LOCK	03	2110	2130	2120	N26	W25	.623	8279	2.0	20	SF		C	2120	.20	.30		10	J
MCMA	03	2115E	2132		N27	W27	.649	8279	1.9	17D	SN		C	2118	.41	.50			D
MCMA	03	2149E	2157D		N19	W69	.949	8278	28.7	8D	SN		V	2149	.31	.60			D
VORO	04	0150	0153D	0153	N28	W66	.945	8278	29.1	3D	1B		C	0153	1.17	2.67		88	E
HALE	04	0150	0225	0153	N29	W67	.951	8278	29.1	35	1B	2	C	0153	1.70				F
MANI	04	0152	0212D		N23	W69	.953	8278	28.9	20D	1N	2		0154	1.30	2.81			
KANZ	04	0654E	0705		N30	W63	.934	8278	29.6	11D	SF								
ARCE	04	0920E	1000D	0925	N23	W07	.465	8284	3.9	40D	SN		C	0925	.39	.40			
KANZ	04	1028E	1040D		N20	W07	.420	8284	3.9	12D	SF								
KAND	04	1152	1217		N21	W07	.435	8284	4.0	25	SN		P	1158		1.30			
KAND	04	1158	1207		N21	W07	.435	8284	4.0	9	SN		P	1158		1.30			
MCMA	04	1202	1210	1205	N20	W09	.430	8284	3.8	8	SF		V	1205	.26	.30			D
CAPF	04	1208E	1209D	1208	N20	W07	.420	8284	4.0	1D	SF		S		1.03	1.10			
KANZ	04	1448E	1504		N20	W09	.430	8284	3.9	16D	SF								
SACP	04	1543	1606	1600	N06	W83	.993		28.4	23	SF		C		.43				
KANZ	04	1612E	1620		N20	W10	.436	8284	3.9	8D	SF								
KANZ	04	1632E	1642D		N20	W10	.436	8284	3.9	10D	SF								
LOCK	04	1859	1954	1913	N24	W39	.732	8279	1.9	55	SF		C	1913	.20	.30		10	
LOCK	04	1923	1932	1926	N22	W77	.983	8278	29.0	9	SF		C	1926	.10	.30		10	
LOCK	04	2005	2030	2013	N18	W14	.436	8284	3.8	25	SF		C	2013	.20	.20		10	
LOCK	04	2117	2137	2124	N24	W39	.732	8279	2.0	20	SF		C	2124	.20	.30		10	
MCMA	04	2120	2136		N27	W41	.768	8279	1.8	16	SF		V	2125	.26	.40			DH
LOCK	04	2200	2245	2220	N24	W39	.732	8279	2.0	45	SF		C	2220	.20	.30		10	J
MCMA	04	2202	2213	2204	N27	W41	.768	8279	1.8	11	SN		V	2204	.31	.50			DH
HALE	05	0104	0115	0106	N23	W17	.523	8284	3.8	11	SF	2	C	0106	.46	.50			
KANZ	05	0733E	0740		N25	W52	.849	8279	1.4	7D	SF								D
KANZ	05	0759E	0904		N25	W52	.849	8279	1.4	65D	SN								D
KAND	05	0845	0853		N24	W46	.795	8279	1.9	8	SB		P	0847		1.50			
KANZ	05	0900E	1002		N20	W19	.503	8284	3.9	62D	SF								D
MCMA	05	1221	1228	1223	N27	W48	.825	8279	1.9	7	SN		C	1223	.41	.80			D
MCMA	05	1230	1238	1232	N20	W21	.522	2884	3.9	8	SN		C	1232	.26	.40			D
SACP	05	1331	1348	1340	N18	E21	.501	8285	7.1	17	SF		C		.53	.54			
MCMA	05	1334	1348	1336	N18	E20	.491	8285	7.1	14	SF		C	1336	.41	.50			
KANZ	05	1336E	1344		N25	E03	.484	8285	5.8	8D	SN								D
HUAN	05	1412	1422	1417	N19	W90	1.000	8278	28.8	10	SF	2	C	1417	.31				E
KANZ	05	1432E	1454D		N19	W22	.521	8284	4.0	22D									D
HALE	05	1629	1640	1635	N28	W50	.845	8279	1.9	11	SF	1	C	1635	.31	.60			H
MCMA	05	1633	1638	1635	N27	W50	.841	8279	1.9	5	SN		C	1635	.21	.40			EH
LOCK	05	1845	1925	1910	N18	E11	.412	8285	6.6	40	SN		C	1910	.90	1.40		10	L
HALE	05	1846	1928	1851	N18	E12	.419	8285	6.7	42	SN	1	C	1851	.62	.70			T
MCMA	05	1850	1917D	1854	N17	E12	.405	8285	6.7	27D	SN		C	1854	1.29	1.40			FJKL
MCMA	05	1935E	2045D		N16	E04	.345	8285	6.1	70D	SN		C	1954	1.65	1.80			FJKL
HALE	06	0055	0101	0057	N27	W34	.706	8284	3.5	6	SF	1	C	0057	.26	.40			
CULG	06	0056	0101	0057	N27	W34	.706	8284	3.5	5	SN		C	0057	.21	.28			H
CULG	06	0059	0109	0059	N27	W56	.884	8279	1.8	10	SN		C	0059	.21	.45			
IKOM	06	0322	0525		N20	W31	.623	8284	3.8	123	1N		V	0325	2.37	3.00		110	EO
BUCA	06	0805E	0832D		N20	W30	.613	8284	4.1	27D	SF		C	0805	.66	.80			
BUCA	06	0832E	0855D		N32	W90	1.001	8279	29.6	23D	1N		C	0841	.56				D
ARCE	06	0843E	0848D		N33	W85	.999	8279	30.0	5D	SN		P	0843	.33	1.30			
LOCK	06	1728	1743	1735	N19	W37	.681	8284	4.0	15	SF		C	1735	.30	.40		10	J
LOCK	06	1748	1803	1754	N19	W37	.681	8284	4.0	15	SF		C	1754	.30	.40		10	J

SOLAR FLARES

MAY 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. %	
	MAY																		
MCMA	06	1857	2130		N20	W39	.707	8284	3.9	153	SB		V	1907	.77	1.10			EHKT
LOCK	06	1858	1930	1908	N19	W38	.691	8284	3.9	32	SF		C	1908	.40	.60		10	J
LOCK	06	1945	2120	2020	N19	W38	.691	8284	4.0	95	SF		C	2020	.40	.60		10	J
LOCK	06	2105	2117	2108	N22	W67	.941	8279	1.9	12	SF		C	2108	.20	.50		10	
LOCK	06	2155	2253	2210	N19	W38	.691	8284	4.1	58	SF		C	2210	.30	.40		10	J
MCMA	06	2158	2249		N20	W39	.707	8284	4.0	51	SB		V	2210	.31	.50			DH
LOCK	06	2315	0015	2320	N19	W38	.691	8284	4.1	380	SF		C	2320	.30	.40		10	
SACP	06	2355E	2355D	2355D	N19	W41	.723	8284	3.9	D	SF		P		1.31	1.56			
HALE	07	0125	0144	0135	N21	W41	.732	8284	4.0	19	SF	1	C	0135	.31	.50			T
CULG	07	0324	0335	0328	N20	W49	.804	8284	3.5	11	SB		C	0328	.41	.64			
HALE	07	1635E	1640	1638	N24	W53	.852	8284	3.7	5D	SN	1	P	1638	.21	.40			T
HUAN	07	1718	1727	1721	N19	W49	.801	8284	4.0	9	SF	2	C	1721	.21	.27			D
OTTA	07	1719E	1724		N18	W48	.788	8284	4.1	5D	SF	1	C	1722	.21	.34			
HALE	07	1743	1812	1748	N33	E42	.809	8289	10.9	29	SN	2	C	1748	.52	.90			F
OTTA	07	1744	1803	1749	N32	E41	.796	8289	10.8	19	SN	2	C	1749	.46	.79			E
HUAN	07	1744E	1811		N32	E35	.751	8289	10.4	27D	SN	1	P	1748	.52	.66			E
LOCK	07	1745	1807	1752	N33	E39	.787	8289	10.7	22	SF		C	1752	.50	.90		10	
LOCK	07	1800U	1825U	1820U	N23	W90	1.000	8279	1.0	25U	SF		C	1820	.30	1.10		10	
LOCK	07	1815	1850D	1824	N17	W56	.857	8284	3.6	35D	SF		C	1824	.60	1.10		10	H
HALE	07	1820	1857	1824	N22	W58	.884	8284	3.4	37	SN	1	C	1824	.36	.80			HKT
HALE	07	1949	2006	1953	N22	W58	.884	8284	3.5	17	SN	1	C	1953	.46	1.00			HT
LOCK	07	2247	2256	2250	N20	W60	.894	8284	3.4	9	SN		C	2250	.60	1.30		10	
CULG	07	2247	2257	2251	N22	W59	.891	8284	3.5	10	SN		C	2251	.41	.90			
HALE	07	2247	2257	2250	N22	W58	.884	8284	3.6	10	SN	1	C	2250	.46	1.00			T
LOCK	07	2332	2345	2336	N18	W24	.530	8285	6.2	13	SF		C	2336	.50	.60		10	
MANI	08	0318	0334	0322	N26	W81	.993	8279	2.1	16	SN	3		0322	.26	.68			
MANI	08	0429E	0434D	0432	N26	W82	.995	8279	2.0	5D	SB	2		0432	.41	1.17			
TACH	08	0432	0435	0434	N26	W85	.999	8279	1.8	3	1N		C	0433	.50	3.50	5.20	60	D
HUAN	08	1435	1457	1437	N32	E31	.720	8289	10.9	22	SF	2	C	1437	.19	.22			D
HUAN	08	1810	1829	1817	N22	W70	.956	8284	3.5	19	SF	2	C	1817	.21				D
HALE	09	0131	0146	0137	N23	W73	.969	8284	3.6	15	SN	1	C	0137	.31				T
LOCA	09	0905E	0920		N21	W76	.979	8284	3.7	15D	1N		S						
MCMA	09	1158	1206	1202	N30	E19	.615	8289	10.9	8	SF		C	1202	.52	.70			E
HALE	09	1706	1711	1708	N22	W80	.990	8284	3.7	5	SN	1	C	1708	.21				T
OTTA	09	1707	1710	1708	N21	W82	.994	8284	3.6	3	SF	1	C	1708	.11				
HALE	09	2029	2036	2033	N22	W80	.990	8284	3.9	7	SN	1	C	2033	.31				T
HUAN	09	2029	2038	2032	N21	W90	1.000	8284	3.1	9	SN	2	C	2032	.26				D
SACP	09	2029	2040	2032	N20	W86	.999	8284	3.4	11	SN		C		.26				
MCMA	09	2031	2036	2032	N21	W90	1.000	8284	3.1	5	SN		C	2032	.26				D
MCMA	09	2138E	2140D		N21	W90	1.000	8284	3.2	2D	SF		S	2139	.26				DH
CULG	09	2253	2312	2259	N30	W31	.702	8286	7.6	19	SN		C	2259	.21	.28			
HALE	09	2255	2304	2259	N30	W31	.702	8286	7.6	9	SN	1	C	2259	.21	.30			
CULG	10	0230	0407	0314	N18	W47	.777	8285	6.6	97	SN		C	0314	.72	1.05			F
HALE	10	0255	0330	0311	N18	W47	.777	8285	6.6	35	SF	1	C	0311	.88	1.40			F
BUCA	10	0724E	0753D		N20	W90	1.000	8284	3.6	29D	1F		V	0726	.56				
	10	1005	1015	NO FLARE PT															
MCMA	10	2129	2141	2131	N24	E90	1.000	8294	17.6	12	SN		V						A
CULG	11	0456	0506	0458	N29	W03	.534	8289	11.0	10	SN		C	0458	.21	.24			
OTTA	11	1349E	1424D		N32	E90	1.000	8300	18.3	35D	SN	1	C	1405	.18				
SACP	11	1435	1520	1448	N20	E77	.981	8294	17.4	45	1N		C		1.83				
HUAN	11	1441	1452		N19	E78	.984	8294	17.5	11	SN	1	C	1448	.60				
OTTA	11	1443E	1448D		N21	E78	.985	8294	17.5	5D	SN	1	C	1444	.35				
SACP	11	1507	1534D	1518	N33	W09	.603	8289	11.0	27D	SN		C		.87	.94			
HUAN	11	1508	1546	1517	N32	W09	.590	8289	11.0	38	SF	2	C	1517	.21	.22			D
KANZ	11	1714E	1719D		N35	E90	1.000	8294	18.5	5D	SN								A
HUAN	11	1839	1846	1843	N21	E75	.975	8294	17.4	7	SF	2	C	1843	.46				E
SACP	11	1840	1847	1842	N22	E73	.968	8294	17.3	7	SN		C		.35	.76			
SACP	11	1952	2016	2001	N28	E84	.998	8294	18.1	24	1N		C		1.22				
HUAN	11	1957	2012		N26	E88	1.000	8294	18.4	15	SF	1	C	2003	.31				D
SACP	11	2041	2110	2053	N32	W86	1.000	8293	5.4	29	SN		C		.18				
SACP	11	2048	2215	2109	N31	E88	1.000	8294	18.5	87	1N		C		1.83				
KANZ	12	1024E	1033		N21	E90	1.000	8294	19.2	9D	SB			1028			3.90		A
LOCK	12	1822	1910	1839	N43	E80	.996	8300	18.8	48	SF		C	1839	.30	1.00		10	
HALE	12	1825E	1930U	1827U	N27	E79	.989	8294	18.7	65U	1N	1	P	1827	.62				EK
LOCK	12	2145	2220	2155	N27	W34	.700	8298	10.4	35	SF		C	2155	.20	.30		10	
ARCE	13	0805E	0820D		N22	E90	1.000	8301	20.1	15D	1N		C	0815	.42	2.40			
KANZ	13	0820E	0840D		N24	E85	.998	8301	19.7	20D	SF								
KANZ	13	0859E	0925D		N24	E85	.998	8301	19.7	26D	SF								
LOCA	13	0954	1028	1005	N23	E82	.994	8301	19.6	34	1N		V						
ARCE	13	0955E	1020D		N22	E88	1.000	8301	20.0	25D	1N		C	0959	.53	2.60			E
WEND	13	1006E	1033D		N25	E82	.995	8301	19.6	27D	1N		V		4.13				
CAPS	13	1013E	1025		N27	E80	.991	8301	19.4	12D	1F	3		1016	.60	3.50		147	L
MCMA	13	1152	1233	1155	N22	W08	.440	8296	12.9	41	SF		V	1155	.31	.32			DH

SOLAR FLARES

MAY 1966

OBSERVATORY	DATE 1966 MAY	OBSERVED UT START	OBSERVED UT END	OBSERVED UT MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION CENTRAL DISTANCE	LOCATION MCMATH PLAGE REGION	LOCATION CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEASUREMENTS MEAS. AREA Sq. Deg.	MEASUREMENTS CORR. AREA Sq. Deg.	MEASUREMENTS MAX. WIDTH Hα	MEASUREMENTS MAX. INT. %	REMARKS
KANZ	13	1320E	1335D		N23	W34	.670	8298	11.0	15D	SF								
LOCK	13	1745	1800	1750	N24	W40	.735	8298	10.7	15	SF		C	1750	.20	.30		10	J
LOCK	13	2000	2025	2010	N24	E52	.841	8294	17.7	25	SF		C	2010	.60	1.10		10	
LOCK	13	2024	2040	2030	N24	W40	.735	8298	10.8	16	SF		C	2030	.20	.30		10	J
LOCK	13	2043	2110	2046	N24	W40	.735	8298	10.9	27	SF		C	2046	.20	.30		10	J
KODA	14	0435	0515	0503	N22	W15	.482	8296	13.1	40	SF		V	0504	1.61	1.85			E
CULG	14	0453	0510	0500	N22	W16	.490	8296	13.0	17	SN		C	0500	.83	.92			F
ONDR	14	0510E	0534		N23	W15	.495	8296	13.1	24D	1N		V	0511			1.80		EHJ
BUCA	14	0630E	0753D	0753	N23	W18	.518	8296	12.9	83D	1F		P	0753	2.76	3.20			
ZURI	14	0715E	0737	0718	N22	W21	.533	8296	12.7	22D	1N		P	0718	3.16	3.60			
KANZ	14	0720E	1103D		N23	W17	.510	8296	13.0	223D	1N								HK
KAND	14	0730E	0757D		N20	W18	.482	8296	13.0	27D	1N		P	0745		3.00			
ARCE	14	0810E	1005D		N21	W18	.494	8296	13.0	115D	1N		C	1003	3.14	3.60			H
ABST	14	0853E	0937D	0909	N22	W19	.515	8296	12.9	44D	IF	3		0909	1.79	3.50		52	EJK
CAPS	14	0941	0948		N20	W17	.473	8296	13.1	7	SF	2		0945	.30	.30		152	D
KANZ	14	1040E	1050D		N22	W23	.552	8296	12.7	10D	SF								
KANZ	14	1225	1248		N22	W21	.533	8296	12.9	23	SF								H
HALE	14	1657	1705	1658	N22	W26	.581	8296	12.8	8	SN	1	C	1658	.62	.80			L
LOCK	14	2105	2136	2110	N21	E28	.592	8294	17.0	31	SN		C	2110	.90	1.20		20	
MCMA	14	2107	2132	2108	N22	E29	.611	8294	17.1	25	SN		V	2108	.72	.80			E
MANI	14	2345E	2357		N23	W31	.639	8296	12.7	12D	SN	2		2345	.40	.52			
SACP	15	0033	0133	0040	N21	W32	.633	8296	12.6	60	SF		C		.53	.57			
KANZ	15	0755E	0820D		N22	W35	.671	8296	12.7	25D	SF								F
MANI	15	0811E	0822	0813	N22	W31	.630	8296	13.0	11D	1N	2		0813	1.70	2.20			
ZURI	15	0815E	0830	0820	N22	W34	.661	8296	12.8	15D	1N		P	0820	3.58	4.60			
WEND	15	0816	0833		N24	W28	.617	8296	13.2	17	1N		V		3.09				
KANZ	15	0822E	0831		N23	W29	.618	8296	13.2	9D	SB			0827			2.50		
ONDR	15	0824E	0834		N23	W31	.638	8296	13.0	10D	1F		V	0825			2.00		CHJ
MANI	15	0825	0831	0827	N22	W29	.610	8296	13.2	6	SB	2		0827	.51	.70			
KAND	15	1050E	1230D		N21	W36	.675	8296	12.8	100D	SN		P						
OTTA	15	1147E	1226D		N19	W34	.641	8296	12.9	39D	SF	1	C	1215	.41	.55			
OTTA	15	1159	1241	1203	N22	E02	.419	8294	15.6	42	SN	1	C	1203	.15	.17			H
OTTA	15	1241	1314	1251	N19	W34	.641	8296	13.0	33	SN	2	C	1251	.29	.39			
OTTA	15	1426	1440	1428	N19	W36	.663	8296	12.9	14	SN	2	C	1428	.88	1.20			E
OTTA	15	1507E	1524D		N20	W39	.701	8296	12.7	17D	SN	2	C	1522	.24	.34			H
KANZ	15	1618	1635		N22	W37	.692	8296	12.9	17	SF								
OTTA	15	1622E	1627	1624	N41	W40	.837	8296	12.7	5D	SN	1	C	1624	.46	.67			
SACP	15	1648	1740	1701	S22	W75	.966	8303	10.1	52	SN		C		.69	1.53			
MCMA	15	1659	1712	1702	S22	W78	.978	8303	9.9	13	SF		C	1702		1.50			D
LOCK	15	1752	1757	1754	N22	W41	.732	8296	12.7	5	SF		C	1754	.30	.50		10	
HUAN	15	1833E	1840D		N21	W39	.706	8296	12.8	7D	SF	1	P	1836	.50	.58			E
LOCK	15	1845	1854	1850	N23	W43	.756	8296	12.6	9	SF		C	1850	.30	.50		10	
LOCK	15	1901	1908	1903	N22	W41	.732	8296	12.7	7	SF		C	1903	.20	.30		10	
LOCK	15	2006	2030	2012	N22	W44	.761	8296	12.5	24	SF		C	2012	.30	.50		10	
LOCK	15	2015	2030	2019	S16	E27	.496	8299	17.9	15	SF		C	2019	.10	.10		10	
LOCK	16	0017	0035	0022	N26	W68	.949	8298	10.9	18	SF		C	0022	.10	.30		10	
LOCK	16	0035	0107	0054	N23	W45	.774	8296	12.6	32	SF		C	0054	.50	.80		10	H
BUCA	16	0724E	0755	0724	S22	W88	.999	8303	9.7	31D	1N		C	0724	1.10				
KANZ	16	0704E	0720		N21	W47	.785	8296	12.8	16D	SN								DH
BUCA	16	0721E	0837D	0815	N20	W45	.761	8296	12.9	76D	1N		C	0815	2.22	3.50			E
KANZ	16	0816	0826		N21	W46	.775	8296	12.9	10	1N			0819			2.20		E
KANZ	16	0840E	0848D		N24	E43	.761	8301	19.6	8D	SF								D
KAND	16	0915	0937		N20	W49	.800	8296	12.7	22	SN		P						
ARCE	16	0915E	1010D		N21	W49	.803	8296	12.7	55D	SN		C	1005	.20	.30			
KANZ	16	1005E	1015		N21	W49	.803	8296	12.7	10D	SF								D
KANZ	16	1023E	1035		N21	W49	.803	8296	12.8	12D	SF								D
ONDR	16	1240	1244	1241	N21	W53	.838	8296	12.6	4	1F		V	1241			1.20		CDJ
SACP	16	1240	1250	1241	N20	W53	.835	8296	12.6	10	SF		C		.26	.36			
SACP	16	1332	1340	1334	S20	W90	1.000	8303	9.8	8	SN		C		.18				
SALT	16	1415E	1433D		N21	W50	.812	8296	12.8	18D	SN	3			.60	1.10			E
SACP	16	1541	1558U	1544	N23	W52	.836	8296	12.8	17U	SF		C		.18	.24			
LOCK	16	1839	1852	1844	S26	E54	.837	8302	20.8	13	SF		C	1844	.50	.90		10	
SACP	16	1840U	1849	1846	S23	E54	.830	8302	20.8	9U	SN		C		.43	.59			
HALE	16	1840	1851	1843	S23	E53	.821	8302	20.8	11	SN	1	C	1843	.46	.90			
MCMA	16	1840	1851	1842	S24	E55	.841	8302	20.9	11	SN		C	1842	.93	1.84			
LOCK	16	1906	1915	1910	S19	W90	1.000	8303	10.0	9	SF		C	1910	.10	.40		10	
HALE	16	1941	1952D	1946	N23	E11	.465	8294	17.6	11D	SN	1	P	1944	.15	.20			T
LOCK	16	2004	2014	2009	N18	W57	.864	8296	12.6	10	SF		C	2009	.60	1.10		10	H
LOCK	16	2044	2056	2050	S17	W90	1.000	8303	10.1	12	SN		C	2050	.40	1.50		10	H
MCMA	16	2046	2057	2050	S20	W90	1.000	8303	10.1	11	SN		V	2050					D
KANZ	17	0743E	0749		N24	W60	.899	8296	12.8	6D	SF								D
KANZ	17	1001E	1006		N21	W65	.925	8296	12.5	5D	SF								E
LOCK	17	1624	1642	1631	N24	W61	.905	8296	13.1	18	SN		C	1631	.50	1.00		10	
HUAN	17	1626	1636D		N23	W62	.910	8296	13.0	10D	SF	1	P	1629	.31				D
ONDR	17	1628E	1640		N21	W64	.919	8296	12.9	12D	1F		V	1633			1.70		CDJL
KANZ	17	1630	1639		N24	W63	.918	8296	13.0	9	SF								D

SOLAR FLARES

MAY 1966

OBSERVATORY	OBSERVED UT DATE 1966	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
	MAY																		
LOCK	17	1732	1744	1738	N24	W61	.905	8296	13.2	12	SF		C	1738	.40	.90		10	
HUAN	17	1733	1741		N23	W62	.910	8296	13.1	8	SN	1	C	1738	.26				D
LOCK	17	1754	1822	1807	N23	W67	.939	8296	12.7	28	SF		C	1807	.20	.50		10	
LOCK	17	1828	1846	1835	N22	W69	.949	8296	12.6	18	SF		C	1835	.30	.80		10	
LOCK	17	1855	1915	1900	N20	W70	.952	8296	12.5	20	SF		C	1900	.80	2.00		10	
LOCK	17	1929	1932D	1932	N25	W66	.937	8296	12.9	3D	SN		C	1932	.30	.70		10	
LOCK	17	1955	2025	2010	N23	E22	.549	8301	19.5	30	SN		C	2010	.90	1.10		20	
HALE	17	1957	2021D	2003	N25	E21	.562	8301	19.4	24D	SN	1	P	2003	.93	1.10			T
LOCK	17	2055	2102	2057	N24	W66	.935	8296	12.9	7	SN		C	2057	.30	.70		10	
HALE	17	2056	2058D	2058U	N24	W65	.930	8296	13.0	2D	SN	1	P	2058	.21				T
LOCK	17	2125	2134	2128	N24	W66	.935	8296	12.9	9	SN		C	2128	.30	.70		10	
HALE	17	2126	2131	2129	N24	W65	.930	8296	13.0	5	SN	1	C	2129	.36				T
HALE	17	2340	0001	2346	N23	W67	.939	8296	13.0	419	SN	1	C	2346	.52				TH
LOCK	17	2341	2353	2345	N24	W66	.935	8296	13.0	12	SF		C	2345	.70	1.60		10	
ARCE	18	0812E			N23	W74	.971	8296	12.8		SN		C	0812	.42	1.10			
WEND	18	0814E	0817D		N22	W69	.949	8296	13.2	3D	S								
ONDR	18	1108E	1114D		N24	W80	.990	8296	12.5	6D	1F		V	1109			1.70		CDJ
HUAN	18	1211E	1216D		N23	E13	.475	8301	19.5	5D	SN	2	P	1212	.26	.25			D
CLMX	18	1454	1503	1457	S19	E32	.580	8302	21.0	9	SF		C	1457	.30	.33			
HUAN	18	1454	1506	1458	S20	E32	.586	8302	21.0	12	SF	2	C	1458	.31	.33			D
SACP	18	1456E	1512	1458	S20	E32	.586	8302	21.0	16D	SF		P		.43	.46			
KANZ	18	1458E	1506		S18	E31	.562	8302	20.9	8D	SN								D
HUAN	18	1756	1912		S21	E31	.581	8302	21.1	76	SF	1	C	1850	.26	.27			D
LOCK	18	1757	1855	1805	S22	E32	.599	8302	21.1	58	SF		C	1805	.50	.70		10	J
MCMA	18	1803E	1804D		S20	E33	.598	8302	21.2	1D	SN		C	1803	.21	.30			D
HUAN	18	1819	1927D		N23	W78	.985	8296	12.9	68D	SN	1	C	1923	.36				D
LOCK	18	1838	1940	1855	N19	W34	.638	8294	16.2	62	SN		C	1855	.30	.50		10	J
HUAN	18	1843	1909	1850	N18	W30	.586	8294	16.5	26	SF	2	C	1850	.21	.22			D
HUAN	18	2054E	2200D		N18	W32	.609	8294	16.5	66D	SF	1	P	2056	.26	.27			D
MCMA	18	2119E	2204D	2122	N17	W33	.614	8294	16.4	45D	SN		V	2122	.41	.50			E
HUAN	18	2054E	2200D		N23	W80	.990	8296	12.9	66D	SF	1	P	2056	.26				D
MCMA	18	2119E	2204D		N23	W80	.990	8296	12.9	45D	SF		C	2124		1.50			D
HALE	19	0156	0230	0200	N23	W77	.981	8296	13.3	34	SN	1	C	0223	.31				TK
ARCE	19	0911E	0918D		N15	E88	1.000	8310	26.0	7D	SN		P	0918	.26	1.30			
MCMA	19	1136	1205	1138	N18	W42	.720	8294	16.3	29	SN		C	1138	.41	.60			DHT
HUAN	19	1224E	1227D		N12	E88	1.000	8310	26.1	3D	SF	1	P	1225	.26				D
HUAN	19	1414	1422	1417	N13	E85	.997	8310	26.0	8	SF	1	C	1417	.31				D
KANZ	19	1439E	1449D		N17	W43	.726	8294	16.4	10D	1N			1442			2.00		H
HUAN	19	1443E	1445D		N18	W42	.720	8294	16.5	2D	SF	1	P	1444	.31	.37			CD
SACP	19	1534	1600	1543	N18	E89	1.000	8310	26.3	26	SF		C		.69				
MCMA	19	1512E	1525D		N19	W34	.637	8294	17.1	13D	SF		V	1516	.31	.40			E
SACP	19	1521	1650	1547	N20	W33	.633	8294	17.2	89	1F		C		4.46	4.95			
CLMX	19	1527	1618	1542	N21	W31	.619	8294	17.3	51	SN		C	1542	.60	.66			
MCMA	19	1527	1630	1550	N20	W34	.644	8294	17.1	63	1N		V	1550	1.55	2.00			EK
LOCK	19	1530	1559	1541	N21	W34	.651	8294	17.1	29	1B		C	1541	1.70	2.20		20	
CAPS	19	1538E	1608		N22	W32	.637	8294	17.3	30D	1N	2		1548	3.50	4.20		176	
KANZ	19	1541E	1614D		N21	W32	.629	8294	17.3	33D	1N			1544			2.00		F
HALE	19	1604	1702	1609	N21	W32	.629	8294	17.3	58	SB	1	C	1609	.98	1.30			TF
HALE	19	1653	1710	1655	N19	W43	.735	8294	16.5	17	SN	1	C	1655	.26	.40			
MCMA	19	1716E	1808D	1722	N17	W45	.747	8294	16.3	52D	SN		C	1722	.41	.60			D
HUAN	19	1723E	1728D		N18	W44	.741	8294	16.4	5D	SF	2	P	1723	.31	.37			CD
SACP	19	1934	2001	1944U	N20	W36	.666	8294	17.1	27	1F		P		1.92	2.17			
HALE	19	1935	2001	1944	N21	W36	.672	8294	17.1	26	SN	1	C	1944	.62	.80			TL
HUAN	19	1939	1956	1943	N20	W35	.655	8294	17.2	17	SN	2	C	1943	.41	.47			E
LOCK	19	1940	1955	1944	N22	W34	.657	8294	17.3	15	SN		C	1944	.90	1.10		20	
HUAN	19	2017	2033	2022	N14	E80	.987	8310	25.8	16	SF	1	C	2022	.26				D
MCMA	19	2038	2145		S22	E14	.407	8302	20.9	67	SN		V	2127	.62	.70			EK
LOCK	19	2057	2120	2115	S19	E11	.341	8302	20.7	23	SF		C	2115	.50	.60		10	
CLMX	19	2111	2132	2121	S19	E17	.401	8302	21.2	21	SN		C	2121	.30	.30			
HUAN	19	2116	2133	2126	S21	E14	.394	8302	20.9	17	SF	2	C	2126	.41	.41			D
LOCK	19	2120	2135	2125	S19	E11	.341	8302	20.7	15	SN		C	2125	.60	.70		20	
HALE	19	2122	2137	2125	S20	E12	.363	8302	20.8	15	SN	1	C	2125	.41	.42			
HALE	19	2138	2155	2143	N13	E89	1.000	8310	26.6	17	SN	1	C	2143	.15				TG
SACP	19	2140	2209	2144	N14	E84	.996	8310	26.2	29	SF		C		.18				
MCMA	19	2152	2234		S22	E14	.407	8302	21.0	42	SN		C	2206	.52	.60			E
HALE	19	2235	2241	2237	N16	E79	.985	8310	25.9	6	SN	1	C	2237	.15				TG
CLMX	19	2304	2325D	2309	N19	W45	.755	8294	16.6	21D	SB		C	2309	.80	.96			
LOCK	19	2310	2340	2316	N19	W46	.765	8294	16.5	30	SN		C	2316	.70	1.10		20	
HALE	19	2312	0005	2316	N19	W49	.795	8294	16.3	387	1B	1	C	2316	1.65	2.70			TFI
SACP	19	2312	2348D	2317U	N20	W47	.779	8294	16.4	36D	SF		P		1.13	1.45			
HALE	20	0100	0111	0103	N28	E50	.835	8309	23.8	11	SN	1	C	0103	.62	1.20			
HALE	20	0100	0134D	0105	N20	W39	.697	8294	17.1	34D	SN	1	P	0105	.26	.40			TH
	20	0600	0610	NO FLARE PT															
BUCA	20	0808E	0846D	0824	N18	W50	.800	8294	16.6	38D	1N		C	0824	2.22	3.90			
BUCA	20	0808E	0906D		S20	E05	.318	8302	20.7	58D	1N		C	0821	2.22	2.30			
SALT	20	0919E	0924D		S20	E06	.323	8302	20.8	5D	SN	1							
ARCE	20	0910E	1004D		N18	W53	.828	8294	16.4	54D	SN		C	1003	1.03	1.90			H

SOLAR FLARES

MAY 1966

OBSERVATORY	OBSERVED UT DATE 1966 MAY	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
BUCA	20	0945E	1208D		N18	W52	.819	8294	16.5	143D	1N		C	1058	2.22	3.90			
CAPS	20	1012	1032		N17	W50	.797	8294	16.7	20	1N	2				3.20		176	
ARCE	20	1023E	1030D		N19	W51	.813	8294	16.6	7D	SN		C	1024	.17	.30			
ARCE	20	1010E	1044D		S21	E08	.349	8302	21.0	34D	1N		C	1013	2.04	2.20			
BUCA	20	1031E	1204D	1048	S20	E04	.314	8302	20.7	93D	1N		C	1048	2.22	2.30			
ARCE	20	1126E			S21	E08	.349	8302	21.1		1N		P	1126	2.02	2.20			O
MCMA	20	1218	1232	1219	N29	E90	1.000	8312	27.3	14	SN		C	1219		1.00			D
HUAN	20	1323	1433D	1343	S21	E05	.334	8302	20.9	70D	SN	1	C	1343	.88	.88			E
SACP	20	1523	1603	1535	S24	E01	.373	8302	20.7	40	SN		C		.70	.70			
CLMX	20	1621	1630	1623	S24	W01	.373	8302	20.6	9	SN		C	1623	.40	.40			
SACP	20	1622	1703	1632	S24	W00	.373	8302	20.7	41	1N		C		2.71	2.71			
LOCK	20	1630	1642	1633	S25	E01	.389	8302	20.8	12	SN		C	1633	.60	.70		20	
MCMA	20	1631	1651	1633	S25	E00	.389	8302	20.7	20	SN		V	1633	.72	.80			ET
LOCK	20	1710	1740	1720	S21	E02	.325	8302	20.9	30	SF		C	1720	.40	.40		10	
MCMA	20	1714E	1800D		S25	E00	.389	8302	20.7	46D	SN		C	1714	1.29	1.40			E
LOCK	20	2010	2050	2021	N20	W60	.889	8294	16.3	40	SF		C	2021	.50	1.00		10	
HUAN	20	2017E	2034D	2020	N18	W62	.901	8294	16.2	17D	SN	2	C	2021	.38				E
SACP	20	2040	2059	2047	N35	W15	.639	8300	19.7	19	SF		C		.53	.58			
LOCK	20	2044	2055	2047	N36	W15	.651	8300	19.7	11	SF		C	2047	.40	.60		10	
LOCK	20	2100	2112	2104	S24	W03	.376	8302	20.6	12	SN		C	2104	.50	.60		10	
SACP	20	2102	2116	2105	S25	W02	.390	8302	20.7	14	SN		C		1.05	1.05			
MCMA	20	2103	2107	2105	S26	W02	.406	8302	20.7	4	SN		C	2105	.62	.70			E
LOCK	20	2150	2225	2205	S21	W02	.325	8302	20.8	35	SF		C	2205	.40	.40		10	
LOCK	20	2246	2350	2300	S21	W01	.324	8302	20.9	64	1N		C	2300	2.10	2.30		20	J
CULG	21	0027	0033	0029	N32	W18	.616	8300	19.7	6	SN		C	0029	.31	.39			G
CULG	21	0330	0406	0354	N15	W66	.923	8294	16.2	36	SN		C	0354	.52				
CATA	21	0603E	0635D	0623	N11	E60	.875	8310	25.8	32D	S		C	0623	.46	.90			
CULG	21	0634	0649	0645	N17	W66	.926	8294	16.3	15	1B		P	0645	2.06	5.00			F
ABST	21	0641E	0646D	0644	N18	W70	.949	8294	16.0	5D	SN		V						EJY
CATA	21	0645E	0700D	0647	N19	W61	.895	8294	16.7	15D	1		C	0647	.92	2.00			
CATA	21	0745E		0746	S21	W05	.336	8302	20.9		S			0746	.50	.50			
MCMA	21	1132E	1212	1139	N16	E55	.841	8310	25.6	40D	SN		C	1139	.52	.90			D
HUAN	21	1154	1234	1216	N18	W67	.933	8294	16.5	40	SN	2	C	1216	.80				E
HUAN	21	1242	1306	1252	N18	W67	.933	8294	16.5	24	SN	2	C	1252	.31				
SACP	21	1300	1310	1304	N15	W70	.947	8294	16.3	10	SN		C		.18	.34			
SACP	21	1326	1340U	1332	N15	W71	.952	8294	16.2	14U	SF		C		.35	.71			
HUAN	21	1353	1406	1357	S18	W13	.350	8302	20.6	13	SB	2	C	1357	.80	.80			E
MCMA	21	1355	1405	1359	S18	W13	.350	8302	20.6	10	SN		V	1359	.83	.90			E
SACP	21	1356	1407	1359	S17	W13	.337	8302	20.6	11	SN		C		1.22	1.22			
HUAN	21	1409	1438	1418	N18	W68	.939	8294	16.5	29	SN	2	C	1418	.37				E
MCMA	21	1435	1520	1445	N15	E54	.830	8310	25.7	45	1N		C	1445	1.29	2.20			ET
HUAN	21	1437	1503	1444	N13	E56	.844	8310	25.8	26	1F	2	C	1444	1.30	1.80			E
HUAN	21	1620	1649	1634	N18	W69	.944	8294	16.5	29	SF	2	C	1634	.31				D
SACP	21	1650	1658	1654	S17	W14	.348	8302	20.7	8	SN		C		.35	.35			
MCMA	21	1652	1700	1656	S18	W14	.360	8302	20.7	8	SN		C	1656	.31	.31			E
MCMA	21	1722	1736	1729	N15	E53	.820	8310	25.7	14	SF		C	1729	1.13	1.95			EH
HUAN	21	1736	1755	1740	N18	W70	.949	8294	16.5	19	SF	2	C	1740	.31				D
SACP	21	1830	1848	1836	N18	W70	.949	8294	16.5	18	SN		C		.35	.69			
MCMA	21	1833	1840D		N19	W72	.960	8294	16.4	7D	SN		V	1838		1.00			D
HUAN	21	1833	1845	1837	N19	W70	.950	8294	16.5	12	SN	2	C	1837	.39				D
SACP	21	1941	1947	1942	N14	W74	.966	8294	16.3	6	SF		C		.26	.58			
HUAN	21	2111	2122	2115	N17	W72	.958	8294	16.5	11	SF	2	C	2115	.26				D
CULG	21	2328	2343	2337	N15	W78	.981	8294	16.1	15	1N		C	2337	.31				C
LOCK	21	2330	2345	2338	N16	W78	.982	8294	16.1	15	SF		C	2338	.60	1.90		10	
SACP	21	2333	2344U	2339	N14	W77	.978	8294	16.2	11U	SF		C		.43	1.06			
CULG	22	0115	0132	0119	N17	W70	.948	8294	16.8	17	SN		C	0119	.41				
LOCK	22	0116	0120	0118	N20	W70	.951	8294	16.8	4	SN		C	0118	.40	1.10		10	
CULG	22	0450	0502D	0453	N16	W79	.985	8294	16.3	12D	SN		P	0453	.31				
WEND	22	0545E	0558D		N18	W76	.976	8294	16.5	13D	SN								
MANI	22	0613	0620	0615	N20	W82	.993	8294	16.1	7	SN	2		0615	.25	.60			
ABST	22	0635E	0643D	0639	N15	E45	.739	8310	25.6	8D	SF		C						
MANI	22	0638	0648	0640	N13	E49	.775	8310	26.0	10	SN	2		0640	.83	1.30			DJ
MEUD	22	0757	0802		N23	W36	.682	8301	19.6	5	SF		C						
ONDR	22	0916	0923		N17	W80	.988	8294	16.4	7	1F		V	0918			2.90		DCJ
MEUD	22	0917	0928	0918	N17	W85	.997	8294	16.0	11	SN		C						
KAND	22	0921E	1000D		N19	W80	.988	8294	16.4	39D	SN		P						
KAND	22	0937	1000D		N23	W73	.967	8294	16.9	23D	SN		P						
HUAN	22	1702	1711	1705	N13	E39	.662	8310	25.6	9	SF	2	C	1705	.31	.35			D
HUAN	22	1730	1741	1731	N13	E39	.662	8310	25.7	11	SF	2	C	1731	.31	.35			D
HUAN	22	1837	1942	1848	N37	E61	.930	8312	27.4	65	SB	2	C	1848	.72				E
MCMA	22	1839	1933	1850	N39	E61	.935	8312	27.4	54	1N		V	1850	.83	2.10			
SACP	22	1840E	1945U	1850	N39	E60	.930	8312	27.3	65U	1N		C		2.08	3.79			
LOCK	22	2156	2225	2210	N18	W90	1.000	8294	16.2	29	SN		C	2210	.40	1.50		10	H
LOCK	22	2228	2250	2234	N18	W90	1.000	8294	16.2	22	SF		C	2234	.30	1.10		10	H
LOCK	22	2355	0020	0005	N18	W90	1.000	8294	16.2	415	SF		C	2405	.30	1.10		10	H
LOCK	23	0045	0052	0048	N22	W80	.989	8294	17.0	7	SF		C	0048	.30	1.10		10	
CAPS	23	0633	0704		N15	W90	1.000	8294	16.5	31	SN	3		0639	.60				G

SOLAR FLARES

MAY 1966

OBSERV-ATORY	OBSERVED UT DATE 1966 MAY	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
BUCA	23	0650E	0813D	0714	N15	W90	1.000	8294	16.5	83D	1N		C	0714	.56				
ARCE	23	0715E			N18	W90	1.000	8294	16.6		SN		P	0715	.25	1.40			
KANZ	23	0714E	0736		N00	E90	1.000		30.1	22D	1N			0716			3.00		A
ABST	23	0718E	0747D	0727	N18	E50	.799	8310	27.1	29D	SF		P						DJ
BUCA	23	0700E	0743D	0711	N35	E60	.920	8312	27.8	43D	1N		C	0711	1.55				E
BUCA	23	0718	0855D	0729	N30	E50	.841	8312	27.1	97D	1N		C	0729	1.55	2.90			E
KANZ	23	0731E	0745		N28	E48	.817	8312	26.9	14D	SF			0733			1.70		D
ARCE	23	0900E			N18	W90	1.000	8294	16.6		SN		C	0900	.17	.90			
KANZ	23	1026E	1039		S21	W34	.620	8302	20.9	13D	SF								E
KAND	23	1036E	1053		N19	W90	1.000	8294	16.7	17D	SN		P						
KAND	23	1049	1104		N20	W90	1.000	8294	16.7	15	SN		P						
MEUD	23	1148E	1202	1149	N17	W90	1.000	8294	16.7	14D	1N		C						
MCMA	23	1202	1223	1206	N19	E31	.600	8310	25.8	21	SF		C	1206	.41	.50			E
SACP	23	1335	1400	1341	N28	E47	.809	8312	27.1	25	SN		C		.43	.58			
HUAN	23	1335	1358	1349	N27	E48	.813	8312	27.2	23	SN	2	C	1349	.31	.41			D
MCMA	23	1338	1357	1347	N29	E47	.814	8312	27.1	19	SN		C	1347	.31	.50			D
MEUD	23	1340	1410		N17	W90	1.000	8294	16.8	30	SF		C						
HUAN	23	1358	1412	1403	S19	W39	.668	8302	20.7	14	SF	1	C	1403	.31	.35			D
SACP	23	1416	1437	1422	N30	E49	.833	8312	27.3	21	SN		C		1.13	1.57			
MCMA	23	1416	1445	1424	N29	E47	.814	8312	27.1	29	SF		C	1424	.31	.50			D
HUAN	23	1420	1437	1428	N29	E49	.829	8312	27.3	17	SF	2	C	1428	.26	.35			D
SACP	23	1428	1437	1433	S23	W36	.654	8302	20.9	9	SF		C		.35	.39			
SACP	23	1441	1456D	1445	S23	W36	.654	8302	20.9	15D	SF		P		.43	.49			
HUAN	23	1514	1606	1526	N27	W58	.889	8300	19.3	52	SF	2	C	1526	.21				D
MCMA	23	1930	1948	1939	N29	E73	.971	8313	29.3	18	SF		V	1939	.83	1.70			D
HUAN	23	1933E	1953	1941	N28	E72	.966	8313	29.2	20D	SF	1	C	1941	.26				CDH
HUAN	23	1934	1948	1937	S19	W42	.702	8302	20.7	14	SF	2	C	1937	.39	.46			E
HALE	23	2310	2322	2315	N31	W70	.961	8300	18.7	12	SF	1	C	2315	.15				
CULG	24	0053	0100	0057	S17	W45	.729	8302	20.7	7	SN		C	0057	.41	.60			
LOCK	24	0055	0113	0101	N27	E40	.743	8312	27.0	18	SF		C	0101	.50	.80		10	
LOCK	24	0112	0120	0117	N29	E43	.780	8312	27.3	8	SN		C	0117	.40	.60		10	
CULG	24	0143	0158	0146	S17	W45	.729	8302	20.7	15	SN		C	0146	.41	.60			
BUCA	24	0622E	0755D	0755	N24	E56	.867	8312	28.5	93D	1N		P	0755	2.22	4.60			
BUCA	24	0659E	0740D	0726	N25	W90	1.000	8300	17.5	41D	1F		C	0726	.66				
BUCA	24	0714E	0829D	0823	N29	W73	.970	8300	18.8	75D	1F		C	0823	1.10				
ONDR	24	0823	0848		N30	W75	.978	8300	18.7	25	1F		V	0836			1.40		GJL
ARCE	24	0800E	0910D		N23	E58	.879	8314	28.7	70D	1N		C	0810	2.27	4.60			
KAND	24	0838E	1030		N21	E56	.859	8314	28.6	112D	1B		C	0946		5.10			
ARCE	24	0844E			N23	E58	.879	8314	28.7		1N		P	0844	1.34	2.80			O
BUCA	24	0931	1004D		N29	W73	.970	8300	18.9	33D	SN		C	0941	.66				
KAND	24	1020	1045		S18	W49	.774	8302	20.8	25	SF		C						
MEUD	24	1132	1139	1136	S22	W50	.795	8302	20.7	7	SB		C	1136	.93	1.50			
KHAR	24	1132E	1145		S25	W48	.786	8302	20.9	13D	N		S	1137			2.60		CEO
BUCA	24	1205E	1300D	1300	S20	W47	.760	8302	21.0	55D	1N		P	1300	1.33	2.00			
HUAN	24	1225	1309	1228	S21	W53	.820	8302	20.5	44	SN	1	C	1228	.70	.92			E
MCMA	24	1226	1242D	1228	S23	W50	.798	8302	20.8	16D	SN		V	1228	.62	1.10			EHK
MEUD	24	1228	1258D	1235	S21	W50	.792	8302	20.8	30D	SN		C	1235	1.08	1.70			
SALT	24	1232E	1256D		S20	W47	.760	8302	21.0	24D	1F	1		1241	2.10	3.30			
HUAN	24	1232	1251	1243	N21	E57	.867	8314	28.8	19	SF	1	C	1243	.26	.37			D
HUAN	24	1302	1409	1314	N21	E57	.867	8314	28.8	67	SN	1	C	1314	.41	.58			E
KAND	24	1315E	1334		S18	W49	.774	8302	20.9	19D	SF		C						
WEND	24	1411E	1417D		S20	W53	.818	8302	20.6	6D	SF								
SACP	24	1412E	1428D	1417	N13	E18	.392	8310	25.9	16D	SN		P		1.22	1.22			
HUAN	24	1412	1436	1418	N12	E19	.395	8310	26.0	24	SB	2	C	1418	.88	.88			E
CLMX	24	1413	1424	1415	N13	E21	.430	8310	26.2	11	SN		C	1415	.40	.40			
WEND	24	1414	1431D	1417	N12	E19	.395	8310	26.0	17D	1B		V		3.61				
MEUD	24	1415	1426D	1416	N12	E20	.408	8310	26.1	11D	SB		C	1416	.88	.90			
ZURI	24	1415	1430	1418	N13	E19	.405	8310	26.0	15	1N		P	1418	2.10	2.40			
CAPS	24	1420	1430		N13	E15	.356	8310	25.7	10	SF	3		1425	.40	.40		149	G
HUAN	24	1514	1543D	1518	N23	E56	.864	8314	28.8	29D	SF	1	C	1518	.21	.29			D
WEND	24	1537	1614		S21	W53	.820	8302	20.7	37	1N		V		3.09				
OTTA	24	1538	1544D	1540	S22	W53	.823	8302	20.7	6D	SN	2	C	1540	.18	.31			W
HUAN	24	1538	1622	1546	S22	W54	.831	8302	20.6	44	SN	1	C	1546	.93	1.28			
ONDR	24	1540E	1626		S19	W54	.825	8302	20.6	46D	1N		V	1551			2.90		
MCMA	24	1556E	1617D		S23	W54	.834	8302	20.6	21D	SN		C	1557	.52	1.00			E
HUAN	24	1617	1653	1625	N23	E56	.864	8314	28.9	36	SN	2	C	1625	.62	.88			E
KANZ	24	1642E	1719D		S22	W53	.823	8302	20.7	37D	1								
HUAN	24	1713	1743	1726	N25	E53	.846	8314	28.7	30	SF	2	C	1726	.21	.29			D
HUAN	24	1807	1916	1814	S21	W55	.838	8302	20.6	69	SF	2	C	1814	.26	.36			D
HUAN	24	1807	1916	1841	S21	W55	.838	8302	20.6	69		2	C	1841	.31	.43			
HUAN	24	1817	1908	1838	N21	E52	.826	8314	28.7	51	SF	2	C	1838	.52	.70			E
CLMX	24	1830	1914D		N22	E52	.829	8314	28.7	44D	SN		C	1858	.50	.70			
SACP	24	1846	1942	1915	N29	W79	.988	8300	18.9	56	SN		C		.35				
HUAN	24	1913	1926	1919	N30	W85	.998	8300	18.4	13	SF	2	C	1919	.26				D
HUAN	24	1917	1940	1932	N24	E51	.826	8314	28.6	23	SF	2	C	1932	.26	.35			D
HUAN	24	1940	2007	1950	N30	W85	.998	8300	18.4	27	SN	2	C	1950	.31				D
SACP	24	1943	2058	2001	N29	W81	.992	8300	18.7	75	1F		C		2.19				
MCMA	24	2002E	2014		N30	W87	1.000	8300	18.3	12D	1N		V	2004					
HUAN	24	1942	2110D	1959	N22	E52	.829	8314	28.7	88D	SN	1	C	1959	.62	.85			E
MCMA	24	2002E	2031D		N24	E52	.835	8314	28.7	29D	SN		V	2007	.83	1.50			ET
CLMX	24	2008	2219	2053	N22	E52	.829	8314	28.7	131	SF		C	2053	.60	.84			
HUAN	24	2117	2219D	2154	N21	E51	.817	8314	28.7	62D	SF	2	C	2154	.57	.78			E

SOLAR FLARES

MAY 1966

OBSERV-ATORY	OBSERVED UT DATE 1966 MAY	START	END	MAX. PHASE	LOCATION APPROX. LAT.	APPROX. 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
SACP	24	2238	2247	2242	S22	W57	.857	8302	20.7	9	SN		C		.18	.25			
MCMA	24	2241	2248	2243	S23	W57	.859	8302	20.7	7	SN		C	2243	.31	.60			D
CLMX	24	2255	2310D	2300	N22	E52	.829	8314	28.9	15D	SB		C	2300	.60	.84			
CULG	24	2258	2316	2311	S18	W55	.832	8302	20.8	18	SN		C	2311	.52	1.00			
SACP	25	0045	0100	0052	S22	W59	.873	8302	20.6	15	SN		C		.78	1.18			
VORO	25	0049	0059	0052	S23	W59	.875	8302	20.6	10	SN		C	0052	.45	.94		57	EH
	25	0200	0230	NO FLARE PT															
ONDR	25	0448	0500D		S21	W62	.894	8302	20.5	12D	1F		V	0450			1.60		CJ
CULG	25	0521	0646D	0633	S18	W61	.883	8302	20.6	85D	1B		P	0633	2.37	4.60			
ONDR	25	0526E	0538		S22	W60	.881	8302	20.7	12D	1F		V	0529			2.00		CDJ
CATA	25	0625E	0650D	0634	S19	W60	.877	8302	20.8	25D	1		C	0634	1.66	3.70			
ONDR	25	0626E	0645		S22	W60	.881	8302	20.8	19D	1B		V	0631			2.50		CHJ
CAPS	25	0633	0650		S21	W60	.879	8302	20.8	17	1N	3		0636	1.40	2.80		182	GE
CATA	25	0620E	0645D	0634	N13	E10	.302	8310	26.0	25D	S		C	0634	.79	.80			
ONDR	25	0635E	0647		N15	W10	.330	8310	24.5	12D	1N		V	0635			2.10		CDJ
CAPS	25	0640E	0648		N14	E08	.300	8310	25.9	8D	SF	3		0641	.70	.70		151	GE
ONDR	25	0718	0723	0718	S21	W61	.887	8302	20.7	5	1F		V	0718			2.10		CDJ
ONDR	25	0727	0737	0730	S21	W61	.887	8302	20.7	10	1F		V	0730			2.30		CDJ
KANZ	25	0735E	0738		S21	W49	.783	8302	21.6	3D	SF								
ONDR	25	0757	0826	0809	S20	W60	.878	8302	20.8	29	1F		V	0809			2.20		CJ
KAND	25	0827E	1004D		S18	W63	.898	8302	20.6	97D	1N		P	0838		4.60			
KHAR	25	0840	0908	0850	S23	W63	.904	8302	20.6	28	2N		V	0851	3.40	6.60	2.00		O
ARCE	25	0840E	1000D		S21	W64	.908	8302	20.6	80D	1N		C	0855	1.13	2.70			H
ONDR	25	0852E	0910		S20	W60	.878	8302	20.9	18D	1N		V	0855			2.40		HJ
KHAR	25	0936E	1153D		S23	W63	.904	8302	20.7	137D	2N		V	0946	3.40	6.60	2.30		CKOR
ONDR	25	1002E	1027		S20	W60	.878	8302	20.9	25D	1N		V	1006			2.30		HJ
CATA	25	1025E	1050D	1030	S19	W60	.877	8302	20.9	25D	1		C	1030	1.20	2.60			
CAPS	25	1038E	1112		S23	W61	.890	8302	20.9	34D	SN	3		1040	.90	1.80		179	G
MCMA	25	1106E	1302		S23	W66	.923	8302	20.5	116D	1B		V	1106		2.00			BKT
CAPS	25	1153	1232		S23	W61	.890	8302	20.9	39	1B	3		1202	1.60	3.00		212	GJ
HUAN	25	1157E	1238		S21	W66	.921	8302	20.5	41D	SN	1	P	1158	.88				
KHAR	25	1003E	1042D	1015	N17	E04	.325	8310	25.7	39D	1N		V	1020	2.27	2.30	1.40		CEO
CATA	25	1025E	1041D	1030	N13	E10	.302	8310	26.2	16D	S		C	1030	.66	.70			
CATA	25	1042E	1200D	1114	N28	E20	.577	8312	26.9	78D	2		C	1114	6.15	7.50			
CAPS	25	1047	1139		N28	E25	.616	8312	27.3	52	1F	3			1.80	2.20		157	FG
KHAR	25	1048E	1158D		N32	E18	.610	8312	26.8	70D	3N		P	1158	11.34	14.70	1.40		EHLOU
KODA	25	1055E	1123D		N28	E20	.577	8312	27.0	28D	2B		P	1110	5.16	6.29			L
MCMA	25	1106E	1230	1118	N29	E19	.581	8312	26.9	84D	2B		V	1118	6.29	6.70			GHS
HUAN	25	1213	1232	1217	N17	E06	.333	8310	26.0	19	SF	2	C	1217	.36	.36			D
MCMA	25	1214	1230	1217	N16	E04	.309	8310	25.8	16	SN		V	1217	.62	.62			D
SACP	25	1218E	1240	1218	N16	E05	.313	8310	25.9	22D	SF		C		.80	.81			
SACP	25	1259	1341	1320	N13	E06	.271	8310	26.0	42	SN		C		.43	.44			
HUAN	25	1305	1331	1314	N13	E07	.277	8310	26.1	26	SN	2	C	1314	.52	.53			E
MCMA	25	1307	1329	1314	N12	E05	.249	8310	25.9	22	SB		V	1314	.52	.52			E
OTTA	25	1309	1319	1310	N23	E42	.739	8314	28.7	10	SF	1	C	1319	.15	.23			
OTTA	25	1310	1327D	1314	N12	E05	.249	8310	25.9	17D	SB	2	C	1314	.83	.86			E
CAPS	25	1313E	1327		N24	E25	.577	8312	27.4	14D	SN	3							CEG
HUAN	25	1328	1358	1345	S21	W67	.927	8302	20.5	30	SN	2	C	1345	.52				E
CAPS	25	1331	1350		S23	W62	.897	8302	20.9	19	1N	3		1341	2.40	4.60		176	GJ
KANZ	25	1335	1347D		S21	W65	.915	8302	20.7	12D	SF								
HUAN	25	1409	1423	1415	S21	W67	.927	8302	20.6	14	SN	2	C	1415	.36				D
HUAN	25	1512	1547	1517	S21	W67	.927	8302	20.6	35	SN	2	C	1517	.36				D
SACP	25	1506	1541	1514	N16	E03	.305	8310	25.9	35	SF		C		.70	.70			
HUAN	25	1508	1527	1512	N17	E04	.325	8310	25.9	19	SN	2	C	1512	.70	.70			E
CLMX	25	1509	1525	1515	N16	E07	.323	8310	26.2	16	SN		C	1515	.60	.60			
OTTA	25	1509	1532	1513	N15	E02	.286	8310	25.8	23	SN	2	C	1513	1.06	1.12			E
MCMA	25	1512E	1533	1514	N16	E03	.305	8310	25.9	21D	SN		V	1514	1.03	1.04			E
CLMX	25	1530	1549	1535	N11	E05	.233	8310	26.0	19	SB		C	1535	.70	.70			
HUAN	25	1530	1554	1536	N13	E05	.265	8310	26.0	24	1B	2	C	1536	2.63	2.63			
SACP	25	1530	1558	1535	N13	E04	.260	8310	25.9	28	1B		C		3.23	3.23			
OTTA	25	1531	1557	1535	N12	E04	.244	8310	25.9	26	1B	2	C	1535	2.62	2.71			
MCMA	25	1532	1556	1536	N12	E03	.239	8310	25.9	24	1B		V	1536	2.06	2.10			
CAPS	25	1534	1547		N12	E04	.244	8310	25.9	13	1B	3		1535	3.00	3.00		204	G
HUAN	25	1644	1714	1659	S21	W70	.944	8302	20.4	30	SF	2	C	1659	.62				
LOCK	25	1700	1738	1715	N31	W90	1.000	8300	19.0	38	SF		C	1715	.50	1.90		10	
HUAN	25	1730	1739	1732	S17	W69	.937	8302	20.6	9	SF	2	C	1732	.31				E
OTTA	25	1731	1736	1731	S19	W67	.926	8302	20.7	5	SN	3	C	1731	.71				
HUAN	25	1826	1927		S19	W65	.913	8302	20.9	61	SF	2	C	1840	.26				D
LOCK	25	1830	1850	1835	N31	W90	1.000	8300	19.0	20	SF		C	1835	.30	1.10		10	
HUAN	25	2104	2111	2106	S21	W71	.950	8302	20.6	7	SF	2	C	2106	.52				
CULG	25	2136	2200	2139	N29	E31	.676	8314	28.2	24	SN		C	2139	1.24	1.68			
HUAN	25	2137	2148	2140	N27	E38	.724	8314	28.8	11	SN	2	C	2140	.77	.90			E
MCMA	25	2137	2204	2140	N27	E35	.697	8314	28.5	27	SN		V	2140	1.03	1.50			E
MCMA	25	2210	2240D		N25	E38	.712	8314	28.8	30D	SN		V	2225	1.13	1.60			EK
SACP	25	2308	2317	2308	N26	E39	.727	8314	28.9	9	SN		C		.35	.41			
CULG	25	2350	0008	2352	N10	E00	.200	8310	26.0	422	SN		C	2352	.41	.42			
SACP	25	2351	2404	2352	N13	W01	.251	8310	25.9	13	SB		C		.61	.61			
CULG	26	0116	0130	0121	N32	W20	.621	8309	24.6	14	SN		C	0121	.41	.60			H
CULG	26	0534	0550	0541	S18	W75	.967	8302	20.6	16	SN		C	0541	.41				
BUCA	26	0933	1016	1004	N12	W05	.247	8310	26.0	43	1B		C	1004	3.00	3.10			
KANZ	26	0953	1010		N13	W06	.269	8310	26.0	17	1B								
KAND	26	0955	1003		N16	W06	.316	8310	26.0	8	1B		C	1000		2.40			
ARCE	26	0955	1005	0956	N11	W06	.238	8310	26.0	10	1N		C	0956	4.21	4.30			HC
CATA	26	1000E	1035D	1002	N14	W06	.284	8310	26.0	35D	S		C	1002	.85	.90			

SOLAR FLARES

MAY 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. %	
	MAY																			
BUCA	26	1024E	1144D	1144	N03	E50	.768	8318	30.2		80D	SB		P	1024	1.31	2.00			
CATA	26	1135E	1155D	1137	N01	E40	.644	8318	29.5		20D	S		C	1137	.67	1.00			
HUAN	26	1308	1327	1313	N14	W08	.298	8310	25.9		19	SF	2	C	1313	.31	.31			D
MCMA	26	1312	1353		N14	W07	.291	8310	26.0		41	SF		V	1314	.31	.31			DK
OTTA	26	1423	1426		N13	W07	.276	8310	26.1		3	SF	3	C	1424	.35	.37			T
OTTA	26	1449	1459	1453	N13	W07	.276	8310	26.1		10	SF	3	C	1453	.58	.61			T
OTTA	26	1508	1519D		S21	W90	1.000	8302	19.9		11D	SN	1	C	1511	.18				T
HUAN	26	1524	1617	1606	S21	W82	.990	8302	20.5		53	SF	2	C	1606	.21				D
HUAN	26	1554	1609	1600	N14	W08	.298	8310	26.1		15	SF	2	C	1600	.36	.36			D
MCMA	26	1556	1608	1605	N14	W08	.298	8310	26.1		12	SN		C	1605	.41	.42			D
SACP	26	1559E	1559D	1559U	N14	W08	.298	8310	26.1		D	SF		P		.53	.54			
MCMA	26	1631	1800	1634	N05	E46	.724	8318	30.1		89	SN		V	1634	.41	.60			DHK
MCMA	26	1631	1800	1716	N05	E46	.724	8318	30.1		89			V						DHK
MCMA	26	1653	1720	1706	N26	E26	.604	8314	28.7		27	SN		C	1706	.31	.40			E
HUAN	26	1654	1717	1705	N25	E26	.595	8314	28.7		23	SF	2	C	1705	.36	.39			D
MCMA	26	1714	1726	1716	N14	W08	.298	8310	26.1		12	SN		C	1716	.31	.31			H
SACP	26	1739	1744	1740U	S20	W87	.998	8302	20.2		5	SN		P		.35				
MCMA	26	1739	1750		S20	W85	.996	8302	20.4		11	SF		C	1741		.40			D
OTTA	26	1740E	1741D		S21	W85	.996	8302	20.4		1D	SB	1	C	1740	.29				T
MCMA	26	1840	1935		N26	E25	.595	8314	28.7		55	SF		C	1910	.52	.60			H
HUAN	26	1848	1858	1853	N24	E28	.605	8314	28.9		10	SF	2	C	1852	.41	.45			E
HUAN	26	1919	1932	1924	N05	E44	.700	8318	30.1		13	SF	2	C	1924	.31	.36			D
SACP	26	1942	2006	1948	N29	E78	.985	8320	1.7		24	SN		C		.26				
HUAN	26	1942	2013	1950	N29	E80	.990	8320	1.8		31	SN	2	C	1950	.26				D
MCMA	26	1942	2015	1957	N29	E78	.985	8320	1.7		33	SN		V	1957	.26	.50			D
MCMA	26	2031	2230	2038	N26	E27	.613	8314	28.9		119	SN		C	2038	1.24	1.50			FHKT
HUAN	26	2032	2051	2037	N25	E24	.576	8314	28.7		19	SN	2	C	2037	.91	.98			E
HUAN	26	2048	2112	2102	N29	E78	.985	8320	1.7		24	SN	2	C	2102	.21				D
	26	2220	2230	NO FLARE PT																
LOCK	26	2255	2315	2302	N24	E24	.566	8314	28.8		20	SF		C	2302	.70	.80		10	
LOCK	26	2310	2318	2313	N17	W08	.343	8310	26.4		8	SF		C	2313	.50	.60		10	
LOCK	26	2347	0008	2352	N17	W17	.421	8310	25.7		419	SF		C	2352		.80		10	
ARCE	27	0804	0819D	0808	N23	E20	.517	8314	28.8		15D	SN		C	0808	.97	1.10			E
BUCA	27	0804E	1258D	0816	N24	E19	.520	8314	28.8		294D	SB		C	0816	1.31	1.50			F
OTTA	27	1229	1252	1237	N22	E23	.535	8314	29.2		23	SF	2	C	1237	.47	.57			
CATA	27	0814E	0826D	0815	N24	E20	.528	8314	28.8		12D	S		C	0816	.95	1.10			
KAND	27	0831E	0847		N03	E35	.577	8318	30.0		16D	SN		P						
BUCA	27	0908E	1258D		N04	E37	.607	8318	30.2		230D	SB		C	1057	1.12	1.40			EK
BUCA	27	0804E	1258D		N29	E69	.953	8320	1.5		294D	SN		C	1228	.37				D
HUAN	27	1206	1317	1212	N27	E62	.913	8320	1.2		71	SF	2	C	1212	.26				D
OTTA	27	1332	1352	1336	N25	E14	.494	8314	28.6		20	SB	2	C	1336	.83	.94			E
SACP	27	1334	1348	1337	N24	E15	.488	8314	28.7		14	SN		C		.96	.98			
OTTA	27	1335	1402D	1339	N22	E23	.535	8314	29.3		27D	SN	2	C	1339	1.06	1.26			E
SACP	27	1345	1357	1348	S21	W90	1.000	8302	20.8		12	SF		C		.35				
OTTA	27	1347	1355	1349	N12	W50	.782	8309	23.8		8	SN	2	C	1349	.29	.47			
HUAN	27	1408	1432	1414	N04	E32	.536	8318	30.0		24	SB	2	C	1414	.80	.89			E
SACP	27	1409	1426U	1417	N05	E31	.524	8318	29.9		17U	1B		C		2.26	2.36			
OTTA	27	1409	1434	1414	N05	E32	.538	8318	30.0		25	1B	2	C	1414	1.78	2.14			F
MCMA	27	1411E	1437	1416	N05	E31	.524	8318	29.9		26D	SB		V	1416	1.24	1.40			E
LOCA	27	1414	1435	1420	N05	E35	.581	8318	30.2		21	SN		V	1420	.85	1.00			
CAPS	27	1419E	1427		N05	E30	.509	8318	29.8		8D	SF	3		1424	1.60	1.80		142	
HUAN	27	1549	1607	1553	N05	E31	.524	8318	30.0		18	SF	2	C	1553	.26	.26			D
MCMA	27	1551	1605	1554	N05	E30	.509	8318	29.9		14	SN		V	1554	.62	.70			E
SACP	27	1620	1629	1624	N30	E03	.521	8312	27.9		9	SF		C		.43	.45			
MCMA	27	1622	1640D	1624	N31	E03	.536	8312	27.9		18D	SF		V	1624	.31	.40			DH
SACP	27	1653	1720U	1706	N31	W07	.544	8312	27.2		27U	SN		C		1.23	1.28			
HUAN	27	1655	1716	1702	N31	W05	.539	8312	27.3		21	SN	2	C	1702	.31	.32			D
HUAN	27	1851	1904	1854	N25	E11	.475	8314	28.6		13	SF	2	C	1854	.24	.25			E
MCMA	27	1853	1903		N25	E15	.501	8314	28.9		10	SN		C	1855	.62	.70			ET
LOCK	27	2058	2128	2103	N31	W11	.558	8312	27.0		30	SN		C	2103	.80	1.00		10	
MCMA	27	2100	2103D	2102	N28	W15	.539	8312	26.8		3D	SN		V	2102	.31	.40			E
SACP	27	2100	2106	2102	N27	W15	.526	8312	26.8		6	SN		C		.70	.73			
LOCK	27	2219	2229	2222	N25	E14	.494	8314	29.0		10	SF		C	2222	.50	.60		10	
LOCK	28	0005	0055	0015	N04	E26	.446	8318	30.0		50	SN		C	0015	1.50	1.70		20	
SACP	28	0016E	0057U	0020	N05	E27	.464	8318	30.0		41U	SN		C		1.91	1.94			
MANI	28	0023E	0040	0024	N05	E26	.449	8318	30.0		17D	1N	1		0024	2.06	2.36			
LOCK	28	0058	0108	0100	N24	E11	.459	8314	28.9		10	SF		C	0100	.30	.30		10	
CULG	28	0422	0501D	0434	N04	E23	.400	8318	29.9		39D	SN		P	0434	1.24	1.32			G
TACH	28	0425	0451	0434	N04	E25	.431	8318	30.1		26	1N		C	0434	2.90	3.20	2.00	75	E
MANI	28	0454E	0510		N05	E24	.419	8318	30.0		16D	SN	1		0456	1.03	1.18			
ARCE	28	0935E	0950D		N03	E22	.381	8318	30.0		15D	SN		C	0938	1.42	1.50			
OTTA	28	1444	1521	1449	N06	E18	.331	8318	30.0		37	SN	2	C						FK
OTTA	28	1444	1521	1454	N06	E18	.331	8318	30.0		37				1454	.47	.50			
OTTA	28	1444	1521	1500	N06	E18	.331	8318	30.0		37				1500	.22	.23			
MCMA	28	1451	1520	1459	N05	E17	.310	8318	29.9		29	SN		V	1459	.83	.90			EK
SACP	28	1453	1515U	1459	N05	E18	.326	8318	30.0		22U	1F		C		2.18	2.18			
MCMA	28	1513	1535	1520	N30	W18	.582	8312	27.3		22	SF		C	1520	.62	.80			D
SACP	28	1517	1526	1520	N30	W17	.575	8312	27.4		9	SF		C		.61	.65			
OTTA	28	1519	1605		N30	W18	.582	8312	27.3		46	SN	1	C	1522	.71	.87			
OTTA	28	1521	1544		N29	W20	.584	8312	27.1		23	SN	1	C	1522	.29	.36			

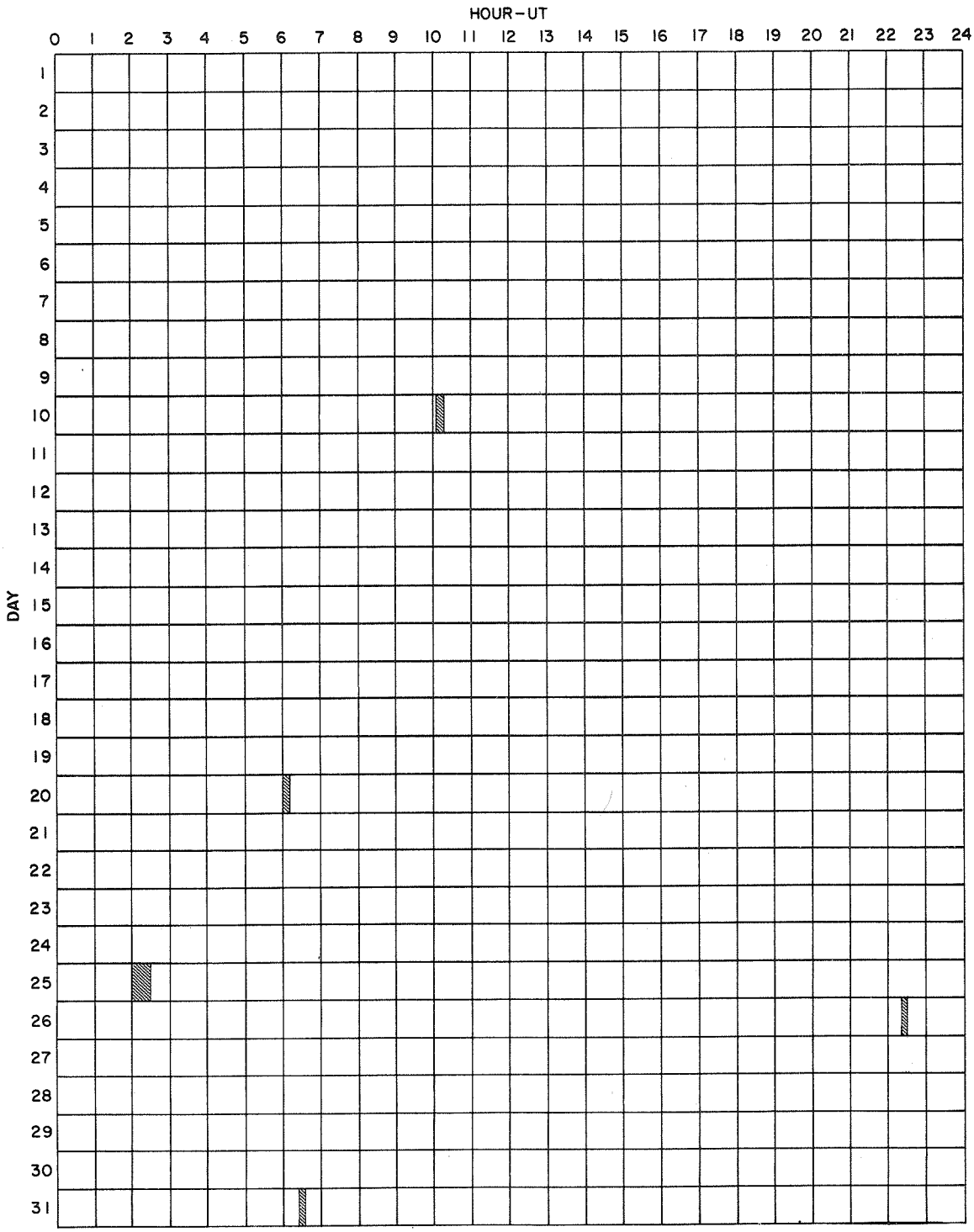
SOLAR FLARES

MAY 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. %	
	MAY																		
OTTA	28	1521	1808D	1622	N15	W40	.679	8310	25.6	167D	2B	1	C	1622	8.29	11.32			FHIJTU
MCMA	28	1532	1545	1535	N14	W43	.710	8310	25.4	13	SF		V	1535	1.29	1.70			F
HUAN	28	1536	1833	1621	N16	W41	.694	8310	25.6	177	2B	2	C	1621	4.43	5.20			H
SACP	28	1541	1800	1628	N15	W41	.690	8310	25.6	139	2B		C		10.43	12.07			
MCMA	28	1545	1830	1616	N16	W39	.671	8310	25.7	165	2B		V	1622	7.22	9.00			FH
MCMA	28	1545	1830	1622	N16	W39	.671	8310	25.7	165			V						
CLMX	28	1609	1644D	1633	N14	W39	.663	8310	25.7	35D	SB		C	1633	1.30	1.43			
LOCA	28	1615E	1700D	1625	N16	W41	.694	8310	25.6	45D	2N		V	1625	6.72	8.80			
ARCE	28	1655E	1700D		N15	W40	.679	8310	25.7	5D	2B		P	1655	4.72	6.60			BF
LOCK	28	1705E	1955	1705E	N16	W41	.694	8310	25.6	170D	2B		C	1705	3.20	5.50		20	B
SACP	28	1621	1708D	1632	N30	E09	.535	8315	29.4	47D	SN		P		1.22	1.27			
HUAN	28	1622	1711	1632	N29	E10	.525	8315	29.4	49	SF	2	C	1632	.62	.62			E
OTTA	28	1622	1731		N29	E10	.525	8315	29.4	69	SN	1	C	1634	1.55	1.82			F
MCMA	28	1623	1800	1633	N31	E10	.553	8315	29.4	97	SF		V	1633	1.55	1.80			E
ARCE	28	1655E	1700D		N29	E10	.525	8315	29.5	5D	SN		P	1655	1.07	1.30			
LOCK	28	1705E	1800	1705E	N24	E06	.436	8315	29.2	55D	SF		C	1705	.80	.90		10	B
LOCK	28	1826	1845	1830	N03	E15	.268	8318	29.9	19	SF		C	1830	.80	.83		10	
LOCK	28	1941	2006	1946	N21	E01	.378	8314	28.9	25	SN		C	1946	.90	1.00		20	
SACP	28	1943	2000	1946	N23	W02	.411	8314	28.7	17	SN		C		.61	.61			
MCMA	28	1944	2001D	1945	N22	W03	.396	8314	28.6	17D	SN		V	1945	.62	.70			E
LOCK	28	1947	2003	1953	N03	E17	.301	8318	30.1	16	SF		C	1953	.60	.70		10	
LOCK	28	2033	2047	2040	N03	E17	.301	8318	30.1	14	SF		C	2040	.50	.60		10	
LOCK	28	2137	2200	2150	N03	E11	.204	8318	29.7	23	SF		C	2150	.50	.50		10	
LOCK	28	2212	2320	2225	N02	E13	.231	8318	29.9	68	SN		C	2225	1.00	1.00		10	
MCMA	28	2214	2232D		N05	E14	.264	8318	30.0	18D	SN		V	2218	1.34	1.40			E
CULG	29	0245	0321	0255	N04	E10	.194	8318	29.9	36	1N		C	0255	2.73	2.75			H
MANI	29	0252	0319	0305	N04	E10	.194	8318	29.9	27	SN	2		0305	1.86	1.86			
CULG	29	0537		0639	N29	E12	.532	8315	30.1		SN		C	0639	.52	.60			CG
ARCE	29	0910	0915	0910	N30	E49	.829	8320	2.1	5	1N		C	0910	1.33	2.40			EC
ARCE	29	0935	0940	0935	N30	E49	.829	8320	2.1	5	SN		C	0935	.74	1.30			C
ARCE	29	0945	0950	0947	N30	E47	.814	8320	1.9	5	SN		C	0947	1.10	1.90			C
KAND	29	0947	1045		N30	E58	.893	8320	2.8	58	1N		C	0947		3.00			
KAND	29	1005	1243		N31	W68	.950	8309	24.3	158	2N		C	1015		6.40			
KAND	29	1009	1330D		N24	W01	.424	8314	29.3	201D	SN		C	1009		1.60			
KAND	29	1015	1330D		N05	E08	.174	8318	30.0	195D	SN		C	1023		1.80			
MCMA	29	1432	1438D	1435	N05	E03	.118	8318	29.8	6D	SN		V	1435	.52	.52			D
MCMA	29	1446E	1510D		N23	E13	.457	8319	30.6	24D	SN		C	1447	.83	.90			
SACP	29	1446	1520	1459	N25	W12	.478	8314	28.7	34	SF		F		1.04	1.06			
KANZ	29	1447	1500		N24	W10	.452	8314	28.9	13	SN								
HUAN	29	1532E	1725D		N17	E80	.987	8326	4.6	113D	SF	1	C	1614	.26				D
HUAN	29	1622	1636	1629	N05	E03	.118	8318	29.9	14	SF	2	C	1629	.31	.31			D
SACP	29	1623	1646	1630	N05	E02	.111	8318	29.8	23	SF		C		1.04	1.04			
KANZ	29	1627	1636		N06	E06	.161	8318	30.1	9	SF								
MCMA	29	1629E	1641D	1629	N05	E02	.111	8318	29.8	12D	SN		V	1629	.83	.83			D
MCMA	29	1922E	2030D		S20	E90	1.000	8328	5.6	68D	SF		V	1938					
IKOM	30	0040	0100		N22	W42	.731	8312	26.9	20	SF		V	0041	.31	.50			DG
IKOM	30	0230	0305D		S17	E90	1.000	8328	5.9	35D	SF		V				2.30	70	D
KAND	30	0802	0812		S25	E90	1.000	8328	6.1	10	SN		P						
MCMA	30	1242E	1310D		S20	E85	.996	8328	5.9	28D	SF		V	1247		1.00			D
HUAN	30	1422	1432	1426	N31	E52	.855	8330	3.5	10	SF	1	C	1426	.26	.36			D
SACP	30	1506	1513	1508	S20	E82	.991	8328	5.8	7	SN		C		.26				
LOCK	30	1742	1759	1747	S22	E80	.986	8328	5.7	17	SN		C	1747	.40	1.40		10	
HUAN	30	1743	1752	1746	S21	E85	.996	8328	6.1	9	SF	1	C	1746	.21				D
SACP	30	1751E	1757U	1751	S20	E80	.986	8328	5.7	6U	SF		P		.35				
HUAN	30	1935	1946	1937	N31	E53	.862	8330	3.8	11	SF	2	C	1937	.19	.26			D
HUAN	30	2051	2058	2053	S21	E80	.986	8328	5.9	7	SF	2	C	2053	.21				D
LOCK	30	2052	2103	2055	S22	E77	.977	8328	5.6	11	SF		C	2055	.50	1.60		10	
SACP	30	2053	2100U	2055	S20	E78	.980	8328	5.7	7U	SN		C		.53				
HUAN	30	2109	2126	2118	S21	E80	.986	8328	5.9	17	SF	1	C	2118	.26				D
LOCK	30	2115	2145	2130	N31	E56	.882	8325	4.1	30	SF		C	2130	.30	.60		10	
HUAN	30	2209	2219D		N32	E51	.851	8325	3.7	10D	SF	1	P	2216	.26	.36			D
LOCK	30	2210	2230	2215	N31	E56	.882	8325	4.1	20	SN		C	2215	.20	.40		10	
WEND	31	0516	0547D		N31	E33	.703	8329	2.7	31D	1N		V		5.16				
	31	0625	0635	NO FLARE PT															
ARCE	31	0743E	0805D		N16	W76	.974	8310	25.6	22D	SN		C		.42	1.10			H
WEND	31	0926E	0944D		N12	E51	.790	8326	4.2	18D	1N		V		3.09				
LOCA	31	1028	1100	1035	S21	E66	.923	8328	5.4	32	1N		V	1035	1.89				
ZURI	31	1033	1040	1034	S21	E69	.941	8328	5.6	7	1F		P	1034	1.05				
HUAN	31	1213	1306		N31	E30	.678	8329	2.8	53	SF	1	C	1242	.26	.30			D
HUAN	31	1428	1600	1526U	N31	E29	.670	8329	2.8	92	SN	2	C	1526	.62	.72			E
HUAN	31	1711	1755	1720U	N31	E27	.654	8329	2.7	44	SN	1	P	1720	1.24	1.45			
LOCK	31	1720	1732	1725	N32	E27	.664	8329	2.7	12	SN		C	1725	.30	.40		10	J
LOCK	31	1740	1752	1745	N32	E27	.664	8329	2.8	12	SN		C	1745	.30	.40		10	J
HUAN	31	1817	1835	1822	N31	E27	.654	8329	2.8	18	SF	2	C	1822	.52	.60			DH
LOCK	31	1818	1837	1828	N32	E27	.664	8329	2.8	19	SN		C	1828	.40	.60		10	J
LOCK	31	1847	1910	1855	N32	E27	.664	8329	2.8	23	SN		C	1855	.40	.60		10	J
HUAN	31	1916	1923	1918	N30	E25	.629	8329	2.7	7	SF	2	C	1918	.39	.43			
LOCK	31	1918	1930	1921	N32	E27	.664	8329	2.8	12	SF		C	1921	.30	.40		10	J
HUAN	31	1946	2011	1949	N31	E26	.646	8329	2.8	25	SF	1	C	1949	.31	.35			D
HUAN	31	2028	2041	2033	N31	E25	.639	8329	2.7	13	SF	2	C	2033	.21	.23			D
LOCK	31	2308	2325	2315	N32	E24	.641	8329	2.8	17	SF		C	2315	.30	.40		10	
LOCK	31	2308	2325	2315	N32	E24	.641	8329	2.8	17	SF		C	2315	.30	.40	-0.00	10	

INTERVALS OF NO FLARE PATROL OBSERVATIONS

MAY 1966



Observatories included:

Abastumani	Catania	Huancayo	Kodaikanal	Meudon	Siberie
Arcetri	Climax	Ikomasan	Locarno	Mitaka	Tachkent
Bakou	Crimee	Kandilli	Lockheed	Ondrejov	Tortosa
Bucarest	Culgoora	Kanzelhöhe	Lvov	Ottawa	Voroshilov
Capri F	Haleakala	Kharkov	Manila	Rome	Wendelstein
Capri S	Herstmonceux	Kiev	McMath-Hulbert	Sacramento Peak	Zürich

SOLAR RADIATION MONITORING SATELLITE
X-RAY

ABERDEEN, SOUTH DAKOTA

AUGUST 1966

OUTSTANDING EVENTS					
DATE	TIMES OF OBSERVATION	44-60A	8-12A	0-8A	0-3A
AUGUST 17	0022 0034	* ----	----	$*6.0 \times 10^{-3}$	$*2.3 \times 10^{-3}$
24	1504 1516	2.5×10^{-1}	3.7×10^{-3}	8.4×10^{-4}	2.0×10^{-5}
	2208 2219	2.5×10^{-1}	3.9×10^{-3}	5.8×10^{-4}	1.3×10^{-5}
25	1435 1446	----	4.3×10^{-3}	9.5×10^{-4}	1.8×10^{-5}
26	1921 1931	$*4.6 \times 10^{-1}$	$*1.1 \times 10^{-2}$	$*2.6 \times 10^{-3}$	$*3.1 \times 10^{-5}$
	2250 2301	$*6.0 \times 10^{-1}$	$*1.6 \times 10^{-2}$	$*3.2 \times 10^{-3}$	$*5.0 \times 10^{-5}$
27	1851 1901	$*3.0 \times 10^{-1}$	$*1.0 \times 10^{-2}$	$*2.1 \times 10^{-3}$	$*1.4 \times 10^{-4}$
	2035 2047	$*5.8 \times 10^{-1}$	$*1.6 \times 10^{-2}$	$*4.6 \times 10^{-3}$	$*2.5 \times 10^{-4}$
28	1635 1645	$*4.4 \times 10^{-1}$	$*3.3 \times 10^{-2}$	$*3.1 \times 10^{-2}$	$*4.5 \times 10^{-4}$
	1821 1831	----	7.4×10^{-3}	3.2×10^{-3}	5.9×10^{-5}
	2005 2017	2.9×10^{-1}	4.8×10^{-3}	1.1×10^{-3}	2.0×10^{-5}
29	1233 1245	2.4×10^{-1}	5.3×10^{-3}	1.1×10^{-3}	2.0×10^{-5}
	1418 1425	----	9.9×10^{-3}	3.3×10^{-3}	4.0×10^{-5}
	1936 1948	----	4.9×10^{-3}	1.0×10^{-3}	1.0×10^{-5}
	2120 2133	----	1.0×10^{-2}	3.9×10^{-3}	7.5×10^{-5}
30	1534 1545	----	1.9×10^{-2}	1.1×10^{-2}	1.0×10^{-4}
	2239 2242	2.4×10^{-1}	4.4×10^{-3}	1.0×10^{-3}	1.2×10^{-5}
31	1134 1145	----	8.3×10^{-3}	4.4×10^{-3}	9.3×10^{-5}
	1319 1330	----	8.0×10^{-3}	3.2×10^{-3}	4.1×10^{-5}
	1836 1847	2.1×10^{-1}	5.5×10^{-3}	1.6×10^{-3}	4.2×10^{-5}

(*)VALIDITY OF READING DOUBTFUL DUE TO LARGE ASPECT ANGLES.

SOLAR RADIATION MONITORING SATELLITE
X-RAY

NRL

JULY 1966

OUTSTANDING EVENTS

Date	Time	8-20 Å	0-8 Å	0-3 Å	Comments
5	1310 1322	1.12×10^{-3}	8.5×10^{-4}	1.3×10^{-5}	
6	0217 0220	1.02×10^{-2}	1.7×10^{-3}	1.4×10^{-5}	
	0354 0404	1.9×10^{-2}	2.0×10^{-3}	3.3×10^{-5}	
	0538 0548	1.8×10^{-2}	1.0×10^{-3}	9.5×10^{-6}	Decreasing
	0911 0924	1.1×10^{-2}	7.6×10^{-4}	1.5×10^{-5}	
	1055 1105	1.2×10^{-2}	1.1×10^{-3}	1.3×10^{-5}	
	1240 1249	1.2×10^{-2}	8.5×10^{-4}	2.0×10^{-5}	
7	0144 0150	$>1.0 \times 10^{-1}$	$>2.0 \times 10^{-2}$	$>9.0 \times 10^{-4}$	Saturated
	0321 0334	$>4.2 \times 10^{-2}$	9.0×10^{-3}	1.5×10^{-4}	
	0508 0519	2.6×10^{-2}	2.7×10^{-3}	4.0×10^{-5}	
	0656 0705	1.8×10^{-2}	1.5×10^{-3}	2.3×10^{-5}	
	1210 1224	1.7×10^{-2}	1.6×10^{-3}	1.7×10^{-5}	
8	0109 0119	$>4.2 \times 10^{-2}$	8.6×10^{-3}	1.13×10^{-4}	
	0251 0304	1.8×10^{-2}	1.4×10^{-3}	8.4×10^{-6}	
	1141 1155	1.3×10^{-2}	1.2×10^{-3}	2.4×10^{-5}	Increasing
9	0221 0235	1.7×10^{-2}	1.5×10^{-3}	1.8×10^{-4}	Increasing
	0408 0417	$>4.5 \times 10^{-2}$	$>1.2 \times 10^{-2}$	$>1.7 \times 10^{-4}$	Saturated
	0556 0603	$>4.5 \times 10^{-2}$	$>1.2 \times 10^{-2}$	$>1.7 \times 10^{-4}$	Saturated
	0741 0751	$>4.5 \times 10^{-2}$	8.5×10^{-3}	1.0×10^{-4}	
	0926 0940	3.2×10^{-2}	2.6×10^{-3}	2.2×10^{-5}	
	1110 1123	2.1×10^{-2}	1.5×10^{-3}	6.6×10^{-6}	
	1258 1303	2.0×10^{-2}	1.2×10^{-3}	1.7×10^{-5}	
10	0337 0349	2.0×10^{-2}	2.8×10^{-3}	5.0×10^{-5}	Inc. and Dec.
	0712 0721	$>4.3 \times 10^{-2}$	$>1.2 \times 10^{-2}$	$>1.7 \times 10^{-4}$	Inc. and Sat.
	1229 1234	$>4.4 \times 10^{-2}$	4.4×10^{-3}	4.0×10^{-5}	Saturated
11	1010 1025	$>4.3 \times 10^{-2}$	$>1.2 \times 10^{-2}$	$>1.6 \times 10^{-4}$	Dec. from Sat.
16	0223 0233	5.4×10^{-3}	3.9×10^{-4}	$<3.0 \times 10^{-6}$	Increasing
17	0855 0910	8.9×10^{-3}	1.04×10^{-3}	2.0×10^{-5}	Decreasing
23	0556 0607	$>4.3 \times 10^{-2}$	$>1.2 \times 10^{-2}$	1.4×10^{-4}	Saturated
24	0157 0203	1.5×10^{-2}	8.5×10^{-4}	6.6×10^{-6}	
25	0642 0645	2.2×10^{-2}	2.9×10^{-3}	9.9×10^{-6}	
28	1952 2005	9.4×10^{-3}	5.9×10^{-4}	5.0×10^{-5}	
	2136 2149	8.3×10^{-3}	3.2×10^{-4}	6.6×10^{-6}	
	2324 2333	$>4.6 \times 10^{-2}$	$>1.2 \times 10^{-2}$	1.6×10^{-4}	Saturated
29	0111 0120	$>4.4 \times 10^{-2}$	4.3×10^{-3}	3.6×10^{-5}	
	0256 0309	3.7×10^{-3}	3.0×10^{-3}	2.7×10^{-5}	
	0444 0454	2.4×10^{-3}	1.5×10^{-3}	1.5×10^{-5}	
	1922 1934	1.4×10^{-2}	7.4×10^{-4}	1.2×10^{-5}	Increasing

DAILY AVERAGE VALUES

Date	44-60 Å	8-20 Å	0-8 Å
1	1.16×10^{-1}	4.7×10^{-3}	2.4×10^{-4}
2	1.02×10^{-1}	3.2×10^{-3}	1.4×10^{-4}
3	9.6×10^{-2}	2.8×10^{-3}	1.3×10^{-4}
4	9.5×10^{-2}	3.4×10^{-3}	1.2×10^{-4}
5	1.14×10^{-1}	4.6×10^{-3}	2.0×10^{-4}
6	1.5×10^{-1}	1.1×10^{-2}	1.3×10^{-4}
7	1.8×10^{-1}	1.5×10^{-2}	1.5×10^{-4}
8	1.6×10^{-1}	1.3×10^{-2}	7.3×10^{-4}
9	1.8×10^{-1}	1.7×10^{-2}	1.4×10^{-3}
10	1.6×10^{-1}	1.4×10^{-2}	1.4×10^{-3}
11	1.5×10^{-1}	1.1×10^{-2}	5.1×10^{-4}
12	1.5×10^{-1}	7.9×10^{-3}	4.2×10^{-4}
13	1.3×10^{-1}	5.1×10^{-3}	1.6×10^{-4}
14	1.2×10^{-1}	4.2×10^{-3}	1.7×10^{-4}
15	1.2×10^{-1}	4.3×10^{-3}	1.7×10^{-4}
16	1.17×10^{-1}	4.1×10^{-3}	1.6×10^{-4}
17	1.17×10^{-1}	3.7×10^{-3}	1.6×10^{-4}
18	1.02×10^{-1}	3.2×10^{-3}	1.1×10^{-4}
19	1.02×10^{-1}	3.1×10^{-3}	1.1×10^{-4}
20	1.03×10^{-1}	3.0×10^{-3}	1.3×10^{-4}
21	1.10×10^{-1}	3.7×10^{-3}	1.9×10^{-4}
22	1.16×10^{-1}	4.1×10^{-3}	1.7×10^{-4}
23	1.5×10^{-1}	6.8×10^{-3}	3.6×10^{-4}
24	1.8×10^{-1}	9.6×10^{-3}	6.5×10^{-4}
25	1.7×10^{-1}	9.3×10^{-3}	5.5×10^{-4}
26	1.8×10^{-1}	9.9×10^{-3}	6.0×10^{-4}
27	1.7×10^{-1}	8.3×10^{-3}	3.1×10^{-4}
28	1.9×10^{-1}	8.7×10^{-3}	3.9×10^{-4}
29	1.9×10^{-1}	7.6×10^{-3}	3.7×10^{-4}
30	1.6×10^{-1}	7.9×10^{-3}	2.7×10^{-4}
31	1.7×10^{-1}	8.3×10^{-3}	2.8×10^{-4}

Observing Times

1	0442 0449	9	0045 0050	16(Cont'd)	0411 0419	24	0008 0018
	0633 0624		0221 0235		0557 0608		0157 0203
	0810 0818		0408 0417		0741 0755		0526 0537
	0956 1006		0556 0603		0925 0939		2009 2020
	1142 1155		0741 0751		2224 2234		2152 2205
	1326 1340		0926 0940				2339 2349
	1513 1518		1110 1123	17	0007 0020		
			1258 1303		0153 0204	25	0126 0133
2	0413 0419				0342 0349		0312 0322
	0554 0603	10	0011 0019		0527 0537		0456 0505
	0739 0749		0151 0205		0711 0726		0642 0645
	0926 0936		0337 0349		0855 0910		1940 1949
	1111 1125		0525 0534		2155 2204		2122 2135
	1254 1310		0712 0721		2336 2349		2308 2318
	1441 1450		0856 0910	18	0122 0134		
			1041 1055		0310 0318	26	0057 0102
3	0338 0350		1229 1234		0457 0507		0243 0252
	0521 0534				0641 0655		0426 0439
	0709 0719	11	0121 0134		0827 0840		1911 1919
	0856 0906		0307 0319		1014 1020		2051 2105
	1040 1054		0455 0503		2126 2134		2238 2243
	1227 1240		0641 0651		2308 2320		
	1412 1421		0826 0840			27	0026 0033
			1010 1025	19	0052 0104		0212 0221
4	0306 0319		1157 1206		0240 0247		0356 0404
	0455 0504				0427 0437		0540 0545
	0639 0648	12	0058 0103		0612 0625		1843 1847
	0826 0835		0236 0249		0757 0810		2022 2031
	1155 1210		0425 0433		0942 0951		2107 2117
	1340 1352		0611 0621		2057 2103		
			0756 0810		2237 2250	28	0000 0003
5	0244 0250		0940 0955	20	0022 0036		0141 0150
	0425 0434		1126 1137		0210 0219		0510 0521
	0608 0618				0357 0406		1815 1817
	0756 0805	13	0022 0035		0541 0554		1952 2005
	0941 0954		0206 0219		0727 0739		2136 2149
	1125 1140		0354 0404		0911 0921		2324 2333
	1310 1322		0542 0550		2207 2220		
			0727 0739		2352 0005	29	0111 0120
6	0217 0220		0912 0926	21	0139 0148		0256 0309
	0354 0404		1055 1104		0327 0336		0444 0454
	0538 0548		2352 0005		0512 0524		1922 1934
	0727 0735	14	0137 0150		0656 0708		2106 2119
	0911 0924		0325 0333		2137 2150		2254 2303
	1055 1105		0512 0520		2322 2334		
	1240 1249		0657 0709			30	0041 0049
			0843 0856	22	0110 0119		0227 0237
7	0144 0150		1025 1038		0257 0305		0410 0417
	0321 0334		2322 2332		0442 0453		1853 1904
	0508 0519				0626 0635		2036 2049
	0656 0705	15	0106 0119		2108 2130		2223 2233
	0841 0853		0253 0303		2252 2304		
	1015 1041		0442 0450			31	0011 0019
	1210 1224		0627 0639	23	0042 0049		0156 0207
8	0109 0119		0810 0826		0227 0235		0340 0349
	0251 0304		0955 1009		0412 0423		1822 1833
	0437 0449		2253 2304		0556 0607		2006 2019
	0626 0634	16	0036 0050		2038 2050		2152 2203
	0812 0823		0223 0233		2222 2235		2341 2348
	0956 1011						
	1141 1155						

IONOSPHERIC EFFECTS OF SOLAR FLARES

JULY 1966

JULY 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
05	1843	1902		1	SL 1								MC	1837
05	1845	1955		1					21				HA(WWVB60-21)	
05	2012	2040	2018	1						1-			A3	2000
05	2015	2040	2025	5		12	1						BO HA	2013
05	2016	2036	2026	5	SL 1								MC FM HU	
05	2019	2025	2022	1							05		BO(WWV10-0.5)	
05	2020	2150		1					54				HA(WWVB60-54)	
05	2230	2248	2234	5					21				HA(WWVB60-21,WWVL20-7)	
													MA(NPG18-11)	
06	0039	0119	0049	5					12				MA(NPG18-12)	0031
													HA(WWVL20-7)	
06	0328	0359	0346	1	G 1								MA	0320
06	0333	0401	0351	1					11				MA(NPG18-11)	
06	0336	0335	0347	1		16	1-						MA	
06	0337	0357	0351	1				1-					MA	
06	0421	0432	0425	1	S1 -								MA	0414F
06	0421	0444	0426	1		12	1-						MA	
06	0421	0450	0426	1					22				MA(NPG18-22)	
06	0421	0455	0423	1						1			A3	
06	0532	0538	0534	1							16		ND(10-1.6)	0533
06	0533	0550	0535	5	S 1								MA TO	
06	0533	0609	0538	1					51				MA(NPG18-51)	
06	0533	0611	0537	1		20	1						MA	
06	0534	0615	0542	1						1			ND	
06	1652	1656		5								1	BO HA	
06	1758	1807	1802	1							15		BO(WWV10-1.5)	1742F
06	2030	2037	2032	1							06		BO(WWV10-0.6)	2030
06	2035	2105		1					32				HA(WWVB60-32,WWVL20-14)	
06	2117	2120	2118	1							09		BO(WWV10-0.9)	2110
06	2117	2148	2121	5					15				MA(NPG18-15)	
													HA(WWVL20-7)	
06	2143	2215	2156	1	G 1+								MC	2149
06	2149	2153	2151	1							10		BO(WWV10-1.0)	
06	2149	2201	2152	4		18	1						BO HA	
06	2150	2206	2152	1						1			A3	
06	2150	2220	2156	5					64				HA(WWVB60-64,WWVL20-28)	
													MA(NPG18-40)	
06	2224	2314	2231	5					33				HA(WWVB60-43,WWVL20-36)	2220
													MA(NPG18-40)	
06	2225	2240	2233	1	G 1								MC	
06	2225	2246	2227	1						1-			A3	
06	2230	0030		1					43				HA(WWVB60-43)	
07	0023	0129	0230D	1						3+			A3	0022F
07	0025		0055	5					99				AN(GBZ19-140,NPM26-130,	
													NSS21-70,WWVL20-65)	
													HA(WWVL20-137)	
													MA(NPG18-30)	
07	0025	0329	0026	5	S 3								MA AN BI BO GH HK MC N7	
													OK TO TR WS	
07	0026	0042	0027	1							30		BO(WWV10-3.0)	
07	0026	0142	0033	1			2						TY	
07	0026	0210	0040	1		56	3						MA	
07	0027	0117		1		80	3						HA	
07	0040	0047		1								3	HA	
07	0048	0052		1								2	HA	
07	0101	0103		1								1	HA	
07	0111	0113		1								1+	HA	
07	2047	2050		5								1+	HA BO	2047
07	2050	2054		5								1	HA BO	
07	2054	2055		5								1	HA BO	
07	2055	2056		5								1	HA BO	
07	2132	2133		5								1	BO HA	2132
07	2206	2207		5								1	BO HA	
07	2223	2224		1								1	HA	
07	2329	2331		1								1	HA	
08	0004	0020	0013	5					61				MA(NPG18-61)	
													HA(WWVB60-43,WWVL20-21)	
08	0005	0027D	0008	1						1			A3	
08	0021	0121	0037	4	G 1								MA OK	0022
08	0022	0120	0038						99				MA(NPG18-115)	
													HA(WWVB60-64,WWVL20-25)	
08	0027	0052	0032	1						1			A3	
08	0149	0204	0150	5	S 1-								MA TO	0145
08	0149	0225	0155	5					47				MA(NPG18-47)	
													HA(WWVL20-14)	
08	0329	0340	0334	1					14				MA(NPG18-14)	
08	0359	0658	0459	1					99				MA(NPG18-100)	0408
08	1210		1216	5					99				SL(GBZ19-108)	1200
													UM(GBZ19-88,NBA24-34)	
				5										
08	1214	1230	1219	1						1			A18	
08	1215	1230	1221	1		32	2						RO	
08	1215	1238	1218	5				1+					A3 A17	
08	1220	1335	1248	5	S 2								BE BN FM HU MC SO	

IONOSPHERIC EFFECTS OF SOLAR FLARES

JULY 1966

JULY 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
08	1235	1305U	1250	5						1			UM A18	
08	1237	1319	1248	1		34	2						RO	
08	1238	1350	1244	1				2					A3	
08	1238	1415	1250	1					30				UM(NBA24-30)	
08	1701	1740	1715	5		36	2						BO HA RO	1648
08	1706	1810	1715	5					99				SL(GBZ19-144)	
													UM(GBZ19-106)	
													HA(WWVB60-86,WWVL20-57)	
													AN(WWVL20-35,NSS21-30,	
													NPM26-20)	
08	1708	1714	1711	1							14		BO(WWV10-1.4)	
08	1708	1745	1717	5						2			UM A1 A3 A18	
08	1708	1800	1720	5				3					LO A1 A3	
08	1710	1740D		1				1-					BO	
08	1710	1744	1718	5	SL 1+								BE AN FM HU MC	
08	1723	1724		5								1	BO HA	
08	1725	1728	1726	1							03		BO(WWV10-0.3)	
08	1751	1756	1754	1							04		BO(WWV10-0.4)	
08	2039	2043		5								1	BO HA	2035
08	2051	2052		5								1	HA BO	
08	2055	2058		5								1	HA BO	
08	2123	2210	2135	5					58				MA(NPG18-58)	2057
													HA(WWVB60-54,WWVL20-28)	
													AN(NPM26-20)	
08	2128	2142	2131	1						1+			A3	
08	2128	2145	2140	4	G 1								MC BE BO	
08	2140	2142		5								1	HA BO	2140
08	2140	2210	2145	2		**	5						AN BI	
08	2142	2148		5								1	HA BO	
08	2143	2153	2144	1							16		BO(WWV10-1.6)	
08	2227	0031	2259						99				HA(NPG18-122)	2226
													HA(WWVB60-64,WWVL20-25)	
													AN(NPM26-50)	
08	2232	2310	2240	5	G 1-								MC MA	
08	2232	2329	2234	1						1			A3	
08	2233	2247	2240	1		30	1-						MA	
08	2235	2320	2259	1				1-					MA	
08	2236	2237		1								1	HA	
08	2244	2245		1								1	HA	
09	0010	0100		1					21				HA(WWVB60-21,WWVL20-18)	0037
09	0012	0047	0015	1						1			A3	
09	0033	0036		1								1	HA	
09	0036	0037		1								1	HA	
09	0037	0041		1								2	HA	
09	0041	0044		1								1	HA	
09	0045	0047		1								1	HA	
09	0228	0307	0241	5					90				MA(NPG18-90)	0230
													AN(NPM26-50)	
													HA(WWVB60-32,WWVL20-25)	
09	0229	0307	0241	1		20	1						MA	
09	0230	0251	0232	5	S 1-								MA HK OK TO	
09	0307	0528	0309	5	S 3								MA HK TO	0310
09	0307	0542	0326	5					99				MA(NPG18-198)	
													AN(NPM26-50)	
09	0307	0548	0323	1		45	2						MA	
09	0542	0559	0547	1					19				MA(NPG18-19)	0544
09	0718	0732	0725	5		7	1-						MA AN	0727E
09	0718	0803	0729	1					30				MA(NPG18-30)	
09	0720	0744	0726	1		08	1						RO	
09	0723	0803		1				1					RO	
09	1309	1355	1329	1		30	2						RO	1304
09	2018	2058	2031	1				1-					A3	1948
09	2019	2050	2027	1						1-			A3	
09	2022	2122		1					14				HA(WWVL20-14)	
09	2024	2026		5								1	BO HA	
09	2142	2143		1								1	HA	2137
09	2145	2148		5								1+	HA BO	
10	0028	0058	0034	1					20				MA(NPG18-22)	
10	0336	0412	0344	1						1			A3	
10	0339	0348	0342	1		25	1-						MA	0339
10	0646	0658	0651	1					16				MA(NPG18-16)	
10	0711	0815	0721	1		20	1-						MA	0710
10	0711	0836	0722	1					40				MA(NPG18-40)	
10	0715	0803		1				1					RO	
10	0718	0740	0720	1		04	1						RO	
10	1142	1300	1155	1					84				UM(GBZ19-84,NBA24-17)	1134E
10	1145	1235	1205	5	S 1								SO FM MC	
10	1146	1157	1153	1		22	1						RO	1105
10	1146	1315		1				1					RO	
10	1330	1400	1340	1						1-			UM	
10	1333		1340	1					17				UM(NBA24-17)	
10	1620	1732D	1624	1						3			A3	1612
10	1620	1745	1624	5				2+					A3 UM	
10	1620	1800	1640	5					99				UM(GBZ19-138,NBA24-73)	
													HA(WWVL20-43)	

IONOSPHERIC EFFECTS OF SOLAR FLARES

JULY 1966

JULY 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
													AN(GBZ19-35)	
10	1628	1735	1630	5	S 2								MC BN BO FM HU TR	
10	1629	1658	1636	1		29	1						BO	
10	1630	1708	1638	5				2+					LO A3	
10	1632	1729		1				1					BO	
10	1645	1649		1								1	BO	
10	1800	1810	1802	1							15		BO(WWV10-1.5)	1758
10	1800	1845	1815	1						2			UM	
10	1802	1820	1806	1	SL 1								MC	
10	1802	1900	1808	5					21				UM(GBZ19-21,NBA24-21)	
													HA(WWVL20-18)	
10	1932		1945	1						1			UM	
10	1935	2015	1949	5		25	1						BO HA	1935
10	1935	2020		5	SL 2								MC BE BO HU	
10	1935	2220		5					75				HA(WWVB60-75,WWVL20-36)	
													AN(NPM26-40)	
													UM(NBA24-25)	
10	2010	2057	2017	1						1+			A3	
10	2012	2130	2023	1					99				MA(NPG18-115)	
10	2013	2048	2022	1				2-					A3	
10	2020	2021		1								1	HA	2018
10	2317	0020	2330	5					36				MA(NPG18-36)	2300
													HA(WWVB60-32,WWVL20-18)	
11	0905	1130	0945	1					99				SL(GBZ19-160)	0835E
11	0913	1010	0940	1		24	1						RO	
11	0915	1026		1				1					RO	
11	0917	0919		1								1	RO	
11	0924	0926		1								1	RO	
11	1233	1240		1								2	RO	1232
11	1241	1242		1								1	RO	
11	1353	1356		1								1	RO	1348
11	1356	1359		1								1	RO	
11	1401	1404		1								1	RO	
11	2040	2042		5								1	BO HA	2030
11	2043	2044		5								1	BO HA	
11	2102	2104		5								1	HA BO	
12	0014	0016		1								1	HA	
12	0024	0025		1								1	HA	
12	0043	0044		1								1	HA	
12	0049	0052		1								2	HA	
12	1225	1226		1								1	RO	
12	1619	1621		1								1	BO	1617
12	1638	1640		1								1	BO	
12	1700	1707		1								2	BO	1658
12	1805	1845	1815	1					10				UM(GBZ19-10,NBA24-8)	1802
12	1805	1845	1815	1						1			UM	
12	1808	1828	1820U	1	SL 1-								HU	
12	2216	2218		1								1	HA	2215
12	2316	2321		1								1+	HA	
13	0530	0558	0538	4	G 1-								OK MA	0533E
13	1225	1345	1245	1		31	2						RO	
16	2207	2209		5								1+	HA BO	
16	2209	2214		5								2	HA BO	
20	0725	0812	0757	1					50				MA(NPG18-50)	
21	1523	1527	1524	1							07		BO(WWV10-0.7)	1521
21	1643	1644		1								1	BO	
21	1648	1652		1								1+	BO	
21	1750	1752		1								1+	BO	
21	1906	1907		1								1	BO	
21	2007	2100		1								1	BO SERIES OF BURSTS	
22	0100	0200	0120	5	SL 1								AN MA OK	
22	1537	1538		1								1	BO	1537
22	1555	1556		1								1+	BO	
22	1825	1826		1								1	BO	
22	1856	1858		1								1+	BO	
22	1900	1902		1								1	BO	
22	1933	1936		1								1+	BO	
22	1940	1942		1								1	BO	
22	2008	2010		1								1	BO	
22	2052	2111		1								1	BO SERIES OF BURSTS	2043
22	2113	2114		1								1	BO	
22	2114	2116		1								1+	BO	
22	2124	2126		1								1	BO	
22	2152	2155		1								2	BO	
22	2259	2300		1								1	BO	2225
22	2303	2305		1								1	BO	
23	0239	0312	0242	5	S 2								OK MA TO	
23	0239	0327	0246	5									MA(NPG18-76)	
													AN(NPM26-18)	

IONOSPHERIC EFFECTS OF SOLAR FLARES

JULY 1966

JULY 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
23	0243		0246	1		20	1-						MA	0242
23	0245	0339	0250	1						2-			A3	0242
23	0534	0640	0554	1					50				MA(NPG18-50)	
23	0545	0614	0549	5	S 1								MA AN TO	
23	0546	0622	0552	1		30	1						MA	
23	1410	1440	1425	1	G 1-								MC	1328
23	1412	1422	1416	1						1-			A3	
23	1413	1450	1416	1				1					A3	
23	1415	1515	1422	1					17				UM(NBA24-17)	
23	1415	1515	1422	1							03		BO(KKE42-0.3)	
23	1811	1812		1								1+	BO	
23	1937	1941		1								1	BO DOUBLE BURST	1931
23	1950	1952		1								1	BO	
23	2234	2236		1								1	BO	2226E
24	0039	0122	0040	1		30	2						HA	0028
24	1728	1729		1								1	BO	1719
25	0455	0540	0502	5					85				SL(GBZ19-85) MA(NPG18-65)	
25	0456	0532	0501	5	S 1								MA TO	
25	0457	0538	0502	1		17	1-						MA	
25	1256	1257		1								1	RO	1234
25	1528	1620	1543	1					24				UM(GBZ19-24,NBA24-19)	1515
25	1532	1536	1534	1							07		BO(KKE42-0.7)	
25	1533	1615	1547	1						1-			UM	
25	1538	1605	1545	1	SL 1								MC	
25	1611	1630		1								1+	RO SERIES OF BURSTS	
25	1722	1725		1								2	BO	
25	1758	1759		1								1	BO	
25	1801	1803		1								1	BO	
25	1930	1957		1								1+	BO SERIES OF BURSTS	
25	2152	2154		5								1+	BO HA	
25	2245	2249		5								2	HA BO	
25	2300	2304		5								2	HA BO	
26	0032	0118	0040	5					36				MA(NPG18-36) HA(WWVB60-21,WWVL20-14)	0030
26	1154	1157		1								1	RO	1125
26	1159	1202		1								2	RO	1155
26	1159	1230	1204	1					21				UM(GBZ19-21)	
26	1341	1343		1								1+	RO	
26	1443	1511	1450	1						1+			A3	1328
26	1445	1515	1455	1						1			UM A3	1444
26	1446	1530	1453	1					50				SL(GBZ19-50)	
26	1450	1510	1459	5	SL 1+								MC HU	
26	1450	1535	1455	1					42				UM(GBZ19-42,NBA24-25)	
26	1844	1935	1852	1				2					A19	
26	1852	1856		1								1	BO	
26	1856	1857		1								1	BO	
26	1859	1901		1								1	BO	
26	1923	1929		5								1	BO HA	
26	1935	1936		5								1	BO HA	1925
26	1938	1939		5								1	HA BO	
26	2000	2000		5								1	HA BO	
26	2030	2034		5								1	HA BO	2010
26	2137	2140		5								1	BO HA	2120
26	2202	2204		5								1	HA BO	
27	1157	1159		1								1	RO	1154
27	1222	1224		1								1	RO	
27	1309	1311		1								1	RO	
27	1625	2310		5								1	BO HA NOISE STORM	1600
27	1655	1656		1								1	BO	
27	1802	1804		1								1	BO	
27	1808	1810		1								1	BO	
27	1812	1813		1								1	BO	1812
27	1904	1906		1								1	BO	
27	1906	1907		1								1	BO	
27	1916	1919		5								1	BO HA	
27	1935	1936		1								1	BO	
27	1936	1937		1								1	BO	
27	1944	1945		1								1	BO	
27	1948	2001		1								1	BO SERIES OF BURSTS	
27	2005	2007		5								1	HA BO	
27	2027	2029		5								1	HA BO	2012
27	2032	2034		5								1	HA BO	
27	2040	2042		5								1	HA BO	
27	2117	2119		1								1	HA	2115
27	2249	2250		1								1	BO	
28	1007	2400D		5								1	RO BO HA NOISE STORM	
28	1735	1737		1								1	BO	
28	1802	1804		1								1	BO	1802E
28	1819	1820		1								1	BO	
28	1821	1822		1								1	BO	

IONOSPHERIC EFFECTS OF SOLAR FLARES

JULY 1966

JULY 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
┌28	1857	2050		1				1+					BO	
└28	1904	1906		1								1	BO	
┌28	1923	1942		5								3	BO HA	
└28	1923	2115	1943	1		20	1						BO	
28	1945	1946		5								1	BO HA	1935
28	2146	2149		5								1+	BO HA	
28	2149	2152		5								1+	BO HA	
28	2210	2213		5								1	BO HA	2210F
28	2213	2215		5								1+	BO HA	
┌28	2214	2230	2217	1							08		BO(WWV10-0.8)	
└28	2215	2217		5								1+	BO HA	
┌28	2223	2255	2230D	1						2			A3	2216
└28	2230	0015	2320	1					50				AN(NPM26-50)	
28	2244	2245		5								1	HA BO	2210E
28	2245	2247		5								2	HA BO	
28	2245	2330		2								2	AN BI	2216
28	2247	2250		5								2	HA BO	2210F
28	2250	0204	2320	1					99				MA(NPG18-116)	2216
28	2348	2352		5								1+	HA BO	2323
29	0011	0013		1								1+	HA	
29	1717	1719		1								1+	BO	1725E
29	1726	1727		1								1	BO	
29	1911	1915		1								2	BO TRIPLE BURST	
29	1920	1921		1								1+	BO	
29	1929	1931		1								1+	BO	
29	1945	1948		1								1+	BO	
29	2008	2010		1								1	BO	
29	2148	2150		1								1	BO	
29	2245	2247		5								1+	BO HA	
29	2258	2300		5								2	BO HA	
29	2303			1								1	HA SERIES OF BURSTS	
30	0700	1815D		1								1	RO NOISE STORM	
30	1301	1304		1								1	RO	
30	1319	1321		1								1	RO	
30	1350	1352		1								1	RO	
30	1455	1458		5								1	BO RO	
30	1459	1503		5								1+	BO RO	
30	1503	1505		5								1+	BO RO	
30	1520	1524		1								1+	RO	
30	1609	1611		1								1	BO	
30	1718	1720		1								1+	BO	
30	1720	1724		1								2	BO	
30	1800	1806		1								1	BO	
30	1839	1841		1								1	BO	1831
30	1851	1852		1								1	BO	
30	1905	1909		1								1	BO	
30	2050	2053		5								1	BO HA	
30	2101	2104		5								1+	BO HA	
30	2152	2154		5								1	BO HA	
30	2155	2157		5								1+	BO HA	
30	2210	2212		5								2	BO HA	
31	1342	2400D		1								1	BO NOISE STORM	
31	1455	1456		1								1	BO	
31	2118	2119		1								1	BO	

Notes: 1. Manila and McMath-Hulbert Observatory data for SCNA, SEA, and BUR were not received in time for inclusion in the above table.

2. BA = Barbados
BN = Brentwood, England (Cable and Wireless)
GH = Godley Head, New Zealand
HK = Hong Kong

** in ABS column signifies number in SCNA is db. of absorption and not importance on 1- to 3+ scale.

RIOMETER EVENTS

JULY 1966

GREAT WHALE RIVER

30 Mc/s

JULY 1966	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS	JULY 1966	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS
01	2240	2350	2325	5	2	17	1746	2240	1933	10	1
02	0200	1130	0252	6	6	18	0340	1440	0453	12	2
03	0138	1430	0337	18	3	19	0720	1010	0836	6	1
04	0234	0502	0317	3	3	19	1552	1856	1646	5	1
04	0704	0944	0910	5	3	20	0148	1056	0554	12	1
04	1640		1818			20	2310				
05		0142		17	5	21		1040	0216	63	4
05	0340	0610	0429	15	2	21	1330	1932	1848	11	2
06	1000	1641	1039	11	2	21	2250				
08	0116	0226	0144	7	2	22		1310	0043	34	6
08	0646	1300	0907	34	9	22	2035	2144	2046	6	1
08	1658					23	0052	1420	0914	12	5
10			0442			24	0030	1524	0301	55	4
11		1847		57	29	25	0844	1350	0921	10	2
11	2300					26	0004	1222	0858	7	5
12		2154	0357	50	8	26	2120	2222	2146	7	2
13	0130	1606	0551	6	1	27	0100	1700	0421	10	8
14	0148	1321	1002	20	2	28	0100	1250	0639	20	7
15	1835		2248			28	2232				
16		0940		23	2	29		1300	0109	23	9
16	2230					30	0300	1144	0840	20	3
17		1230	0253	38	10	31	0020	1736	0853	16	4

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.

Errata: In CRPL-FB-263, July 1966, page IIIx, the data for the event beginning May 16 are incorrect. The table should read:

MAY 1966	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS
16	1830				
17			0240		
18		1600		36	8

SOLAR RADIO EMISSION

OUTSTANDING OCCURRENCES

AUGUST 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		
AUG.1	2800	OTTA	21	1810	1825	40	2.2	1.1		
	2800	OTTA	1	1812	1813	2.5	5.6	2.8		
	2695	SGMR	20	1809	1813.1	11.5	10.4	1.0		
	1415	SGMR	20	1810	1813.6	4.5	23.3	3.0		
	2800	OTTA	1	2210.5	2211.2	1.2	1.2	0.6		
2	2800	OTTA	1	1530	1530.7	1.5	1.4	0.7		
	2800	OTTA	1	1912	1913.5	4	4.2	2.1		
	2800	OTTA	30	1916		35	1.4	0.7		
	2800	OTTA	1	1924	1925	2	1.0	0.5		
	4995	SGMR	20	2123	2125	10	4.9	1.3		
	2800	OTTA	4	2123	2124.8	10	40.0	20.0		
	2800	OTTA	29	2133		25	8.0	4.0		
	2695	SGMR	20	2122.3	2124.8	12.7	14.5	6.0		
	1415	SGMR	20	2122.6	2124.7	10	7.1	1.8		
3	8800	SGMR	20	1413.6	1421	16.4	5.0	1.0		
	4995	SGMR	20	1413	1421	17	8.5	2.0		
	2800	OTTA	21	1413	1421	507	8.0	4.0		
	2695	SGMR	20	1414	1421.3	16	7.8	3.0		
	1415	SGMR	20	1414.2	1421.6	13.8	15.1	6.0		
	606	SGMR	23	1414.7	1421.3	12.3	28.2	10.0		
	606	SGMR	3	1419.5	1419.9	1	98.0	50.0		
	2800	OTTA	20	1625	1655	100	3.0	1.5		
4	2800	OTTA	20	1550	1630	185	3.2	1.6		
	2800	OTTA	40	2055	2115	35	1.8			
5	2800	OTTA	21	1140	1400	220	11.0	5.5		
	4995	SGMR	20	1307	1315	25	4.0	2.0		
	2800	OTTA	1	1310	1317	15	4.0	2.0		
	2695	SGMR	20	1307	1314.8	23	5.9	3.0		
	1415	SGMR	20	1307	1315.7	22	7.1	3.5		
	606	SGMR	22	1307	1316.2	22	7.3	3.5		
6	2800	OTTA	1	1903	1906	5	.6	0.3		
	2800	OTTA	20	2010	2015	20	1.2	0.6		
	2800	OTTA	20	2100	2102	15	2.4	1.2		
17	2800	OTTA	3	0030.5	0031	1.5	21.0	11.0		
	2800	OTTA	29	0032		33	2.6	1.3		
	1415	SGMR	29	0956 E	1035.2	U	14.6			
	606	SGMR	29	0956 E	1050.3	U	6.6			
18	8800	SGMR	20	1819.1	1823.5	42.8	13.9	6.9		
	4995	SGMR	20	1818.8	1824.5	45.8	14.4	7.2		
	2800	OTTA	4	1818	1824.5	8	8.4	4.2		
	2695	SGMR	22	1817.9	1822.9	58.1	9.6	5.3		
	1415	SGMR	20	1814.6	1823.9	30.4U	2.2	.8		
	2800	OTTA	29	1826		44	2.8	1.4		
	2800	OTTA	20	1945	2100	175	2.6	1.3		
20	2800	OTTA	20	1125	1300	155	1.8	0.9		
	2800	OTTA	20	1900	2000	230	1.8	0.9		
21	2800	OTTA	20	2240	2400	160	2.2	1.1		
22	2800	OTTA	20	2128	2210	155	4.6	2.3		
24	2800	OTTA	20	1115	1117.5	10	4.4	2.2		
	2800	OTTA	20	1440	1655	190	3.2	1.6		
	606	SGMR	40	1503.8	1512.4	22.3	15.7	4.0		
	2800	OTTA	20	2210	2320	110	3.0	1.5		
25	8800	SGMR	20	1358	1401.5	6	24.8	5.0		
	4995	SGMR	20	1356	1401.2	7	29.1	7.0		
	2800	OTTA	21	1350	1410	180	5.2	2.6		
	2800	OTTA	3	1359	1401.5	5	8.0	4.0		
	2695	SGMR	20	1359	1401.5	5	9.0	2.0		
	10700	PENN	5	1403.4	1406.4	15.7	23.0	5.4		
	8800	SGMR	29	1404	1404	18	6.2	1.0		
	4995	SGMR	29	1403	1403	19	9.1	2.0		
	2700	PENN	5	1400	1406.5	23.7	11.5	3.4		
	10700	PENN	20	1805.1	1807.1	6.4	5.9	3.8		
	10700	PENN	31	1827.2	1830.8	9	4.6	2.3		
	2695	SGMR	3	1958.9	1958.9	.9	17.5	7.2		
	4995	SGMR	20	2002.8	2014.2	16.6	5.4	2.2		
	2800	OTTA	21	2000	2015	40	3.4	1.7		
	2800	OTTA	2	2003	2004	2	4.0	2.0		
	2695	SGMR	1	2001.8	2004.5	3.8	5.4	3.0		
	2700	PENN	5	2002	2004.6	27.2	6.2	3.0		
	2695	SGMR	29	2005.6	2005.6	U	2.4	U		
	2800	OTTA	20	2045	2047	12	1.4	0.7		
	2800	OTTA	20	2125	2200	60	1.6	0.8		
	2800	OTTA	20	2235	2345	85	2.6	1.3		
26	8800	SGMR	3	1459.1	1459.2	.9	12.2	2.0		
	4995	SGMR	1	1459.1	1459.2	1	3.6	.5		
	8800	SGMR	20	1519.8	1520.2	6.2	9.2	1.5		
	4995	SGMR	20	1517.5	1522.2	28.3	5.5	1.5		
	2800	OTTA	20	1513	1535	80	2.8	1.4		
	2695	SGMR	20	1517.5	1532	29.5	6.1	1.5		
	2800	OTTA	21	1730	1850	480	22.0	10.0		
	2800	OTTA	32	1730	1850	240	22.0			
	2695	SGMR	22	1731.6	1837.2	U	35.5	U		
	1415	SGMR	22	1733.1	1827.7	65.7	37.3	10.5		

SOLAR RADIO EMISSION

OUTSTANDING OCCURRENCES

AUGUST 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
26	8800	SGMR	22	1812.2	1846.7	U	31.5	U		
	4995	SGMR	22	1803.1	1843	U	25.4	U		
	4995	SGMR	1	1812.2	1812.7	.6	5.4	2.7		
	606	SGMR	47	1809.2	1824.1	39.8	1196.8	646.0		
	486	WASH		1815	1850	35				
	2800	OTTA	1	1820.5	1821.2	1	1.6	0.8		
	8800	SGMR	3	1824.7	1824.7	.1	119.0	59.5		
	2800	OTTA	1	1826.5	1828	2.5	5.2	2.6		
	2695	SGMR	3	1836	1836.1	.8	9.2	3.0		
	1415	SGMR	31	1833.8	1840.6	10.2	1.9	1.0		
	1415	SGMR	29	1844	1844	U	8.7	U		
	606	SGMR	29	1849	1849	96.6	27.1	13.5		
	2800	OTTA	32	2130	2330	240	10.0			
	2800	OTTA	4	2200	2201.2	5	8.4	4.2		
27	2800	OTTA	1	1256	1257	2	3.6	1.8		
	8800	SGMR	3	1434.8	1435.3	5.1	9.3	4.6		
	4995	SGMR	3	1434	1435.3	6.4	14.2	3.3		
	2800	OTTA	21	1430	1440	25	1.8	0.9		
	2800	OTTA	1	1435	1435.3	1	2.0	1.0		
	2695	SGMR	20	1432	1435.5	8.4	5.1	2.5		
	1415	SGMR	20	1432.8	1435.4	5.1	1.1	.6		
	10700	PENN	5	1610.2	1612.2	42.2	19.2	4.3		
	8800	SGMR	20	1856.4	1900	15.6	3.1	1.5		
	4995	SGMR	20	1856	1900	17	4.2	2.1		
	2695	SGMR	20	1855	1908	35	3.6	1.2		
	1415	SGMR	20	1855	1900	45	1.8	.9		
	606	SGMR	26	1849	1915	U	- 3.0	- 1.5		
	2800	OTTA	21	1950	2040	130	12.0	6.0		
	4995	SGMR	20	2000	U	U	U	U		
	2700	PENN	5	2003.9	2045.3	99.8	80.9	12.4		
	2695	SGMR	20	1958	U	U	U	U		
	1415	SGMR	20	2000	2044	72	43.2	21.5		
	606	SGMR	20	2000	2042.5	65	30.0	15.0		
	10700	PENN	5	2038.7	2051.2	59.8	27.9	13.0		
	4995	SGMR	45	2038	2039.3	14	12.7	4.0		
	4995	SGMR	45	2038	2041.5	14	25.4	8.0		
	4995	SGMR	45	2038	2043.5	14	25.4	8.0		
	2800	OTTA	45	2037	2044	28	75.0	31.0		
	2800	OTTA	32	2037	2042	5.5	60.0			
	2695	SGMR	45	2038	2043.7	14	52.4	16.0		
	1415	SGMR	45	2038	2039.3	14	23.4	8.0		
	1415	SGMR	45	2038	2041.7	14	28.8	9.0		
	1415	SGMR	45	2038	2044	14	28.8	9.0		
	1415	SGMR	45	2038	2049.7	14	14.4	4.0		
	606	SGMR	45	2038	2049.8	19.7	36.0	11.0		
	2800	OTTA	32	2042.5	2044	5.5	75.0			
	2800	OTTA	32	2048	2050	17	53.0			
	2800	OTTA	20	2240	2300	45	3.0	1.5		
28	8800	SGMR	3	1152.7	1155.7	3.5	20.5	10.2		
	4995	SGMR	3	1153	1156.2	4	17.4	8.7		
	2800	OTTA	21	1152	1153.5	130	6.2	3.1		
	2695	SGMR	3	1152.9	1155	4.1	8.5	4.2		
	1415	SGMR	41	1152.3	1155	3.9	40.0	9.4		
	8800	SGMR	29	1156.2	1156.2	11.1	9.1	4.5		
	4995	SGMR	29	1157	1157	28.2	12.0	7.0		
	2695	SGMR	29	1157	1157	47.9	3.7	2.5		
	1415	SGMR	29	1156.2	1156.2	4.5	.8	.4		
	8800	SGMR	20	1311.1	1315.5	14.3	6.3	3.2		
	4995	SGMR	20	1313.2	1315.5	10.2	4.4	2.2		
	2800	OTTA	20	1300	1320	60	4.0	2.0		
	2695	SGMR	20	1310.9	1315.4	16	2.8	1.4		
	1415	SGMR	20	1308.9	1321.5	25	3.4	1.7		
	606	SGMR	22	1257.2	1415.1	120	19.9	10.0		
	328	PENN	5	1348.6	1431.6	82.7	111.3	43.2		
	8800	SGMR	40	1446.6	1501.4	16.1	15.3	3.1		
	4995	SGMR	40	1446.6	1501.3	15.9	6.1	1.2		
	2695	SGMR	40	1446.5	1502.4	16.5	15.3	2.6		
	1415	SGMR	40	1446.6	1501.3	15.8	7.4	1.2		
	10700	PENN	47	1523.1	1525.2	91.5	3219.5	1282.7		
	8800	SGMR	47	1522.5	1527.5	95.5	3270.0	1000.0		
	4995	SGMR	47	1522.2	1529.3	95.8	2700.0D	1500.0		
	2700	PENN	47	1521.4	1527.1	108.7	608.2	84.8		
	2800	OTTA	47	1522	1527	53	1200.0	305.0		
	2695	SGMR	47	1521.8	1526.8	95.2	965.0	300.0		
	1415	SGMR	47	1522.4	1529	94.6	780.0	250.0		
	606	SGMR	47	1522.4	1604.5	94.6	6710.0	1800.0		
	486	WASH		1520	1640	80	80.0D			
	328	PENN	47	1524.8	1527.4	84.4	534.7	172.3		
	2800	OTTA	30	1615		165	15.0	7.5		
	2800	OTTA	4	1625	1633	19	47.0	19.0		
	2800	OTTA	3	1644	1646	5	11.0	5.0		
	1415	SGMR	40	1657	1809.1	78	124.8	40.0		
	606	SGMR	40	1657	1810.6	76	28.2	10.0		
29	10700	PENN	5	1203.6	1204.7	2.1	19.3	5.9		
	8800	SGMR	20	1204	1209.3	54	15.3	7.5		
	8800	SGMR	3	1204	1204.8	1.6	18.3	4.5		
	4995	SGMR	20	1204.1	1210	42.9	15.4	7.5		
	4995	SGMR	3	1204.1	1204.8	1.5	11.0	2.6		
	2800	OTTA	21	1204	1209.5	236	6.0	3.0		
	2800	OTTA	1	1204	1205	2	5.6	2.8		
	2700	PENN	5	1204.2	1205	2.3	5.5	2.5		
	2695	SGMR	20	1204.3	1210	47.7	4.8	2.4		
	2695	SGMR	1	1204.1	1204.8	1.9	6.0	1.5		
	1415	SGMR	20	1204.3	1204.8	1.7	3.1	1.5		

OUTSTANDING OCCURRENCES

AUGUST 1966

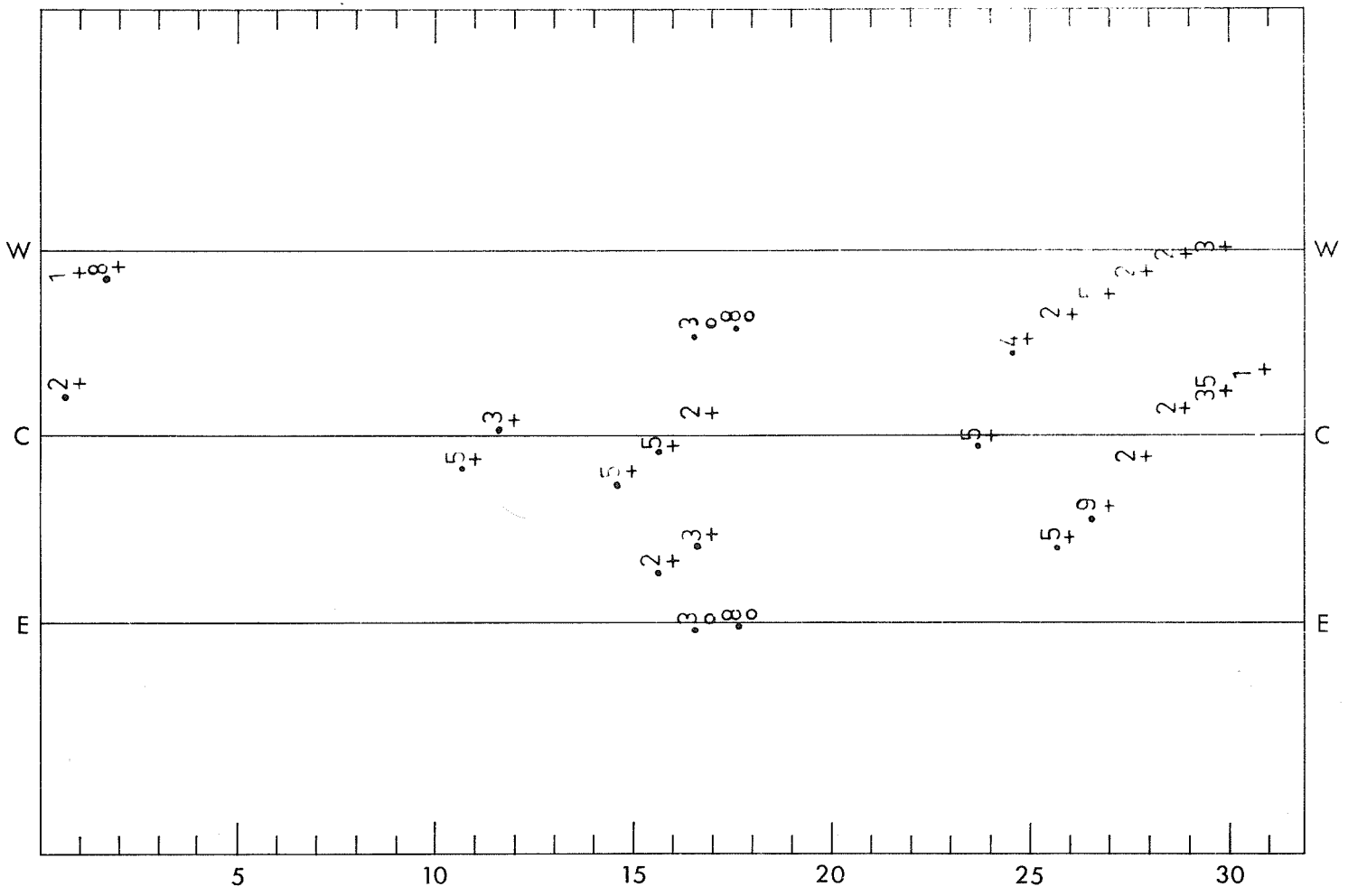
DATE	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} (c/s)$^{-1}$ PEAK	FLUX DENSITY 10^{-22} Wm^{-2} (c/s)$^{-1}$ MEAN	INT.	REMARKS
29	10700	PENN	5	1324.7	1334.7	109.1	24.9	12.0		
	8800	SGMR	45	1324	1335.3	14	33.6	16.0		
	8800	SGMR	29	1338	1338	32	18.3	9.1		
	4995	SGMR	45	1323	1335.1	16	52.8	25.0		
	4995	SGMR	29	1339	1339	37	19.8	9.9		
	2800	OTTA	21	1323	1345	50	10.0	5.0		
	2800	OTTA	46	1328	1335	11	26.0	9.0		
	2800	OTTA	32	1328	1330.5	3.5	13.0			
	2800	OTTA	32	1331.5	1332.5	2	20.0			
	2800	OTTA	32	1333.5	1333.7	1	18.0			
	2800	OTTA	32	1334.5	1335	4.5	26.0			
	2700	PENN	40	1321.2	1334.7	71.8	27.6	4.6		
	2695	SGMR	45	1323	1335.5	17	35.4	17.5		
	2695	SGMR	29	1340	1340	35	9.6	4.8		
	1415	SGMR	45	1324	1335.2	31	56.4	28.0		
	606	SGMR	45	1324	1332.7	31	43.8	20.0		
	606	SGMR	45	1324	1336	31	43.8	20.0		
	328	PENN	5	1340.1	1342.4	14.9	146.7	33.7		
	10700	PENN	5	1436.8	1437.5	1.4	15.5	7.2		
	10700	PENN	5	1454.1	1455.2	2.8	61.1	11.1		
	8800	SGMR	3	1454	1454.9	5	51.8	13.0		
	606	SGMR	40	1703	1751.5	138	12.5	6.0		
	8800	SGMR	3	1718	1718.8	10	12.2	3.0		
	8800	SGMR	1	1744.5	1745.4	4.5	6.1	1.5		
	8800	SGMR	20	1816.5	1840	U	16.8	8.0		
	4995	SGMR	20	1823	1848.5	93	8.0	4.0		
	2695	SGMR	20	1819.5	1841.5	U	8.4	4.0		
	2800	OTTA	20	1838	2050	360	11.0	5.0		
	2800	OTTA	32	1838	1950	84	4.4			
	1415	SGMR	20	1915	2032.5	U	10.5	5.0		
	2800	OTTA	32	2015	2050	263	11.0			
	606	SGMR	40	2025	2242.5	U	12.5	3.5		
	2800	OTTA	32	2310	2325	50	5.2			
30	606	SGMR	29	U	1105	U	12.5	6.2		
	606	SGMR	40	1105	1110.4	154	17.2	8.5		
	10700	PENN	5	1449	1454.8	118.9	566.9	30.9		
	8800	SGMR	3	1451	1455.9	15	641.0	210.0		
	4995	SGMR	3	1451	1455.5	15	575.0	190.0		
	2800	OTTA	3	1452	1455	10	303.0	100.0		
	2700	PENN	5	1447.7	1454.8	117.2	222.3	17.2		
	2695	SGMR	3	1451	1455.5	15	228.0	75.0		
	1415	SGMR	3	1452.8	1455.6	17.2	41.4	14.0		
	606	SGMR	40	1452	1453.3	5	6.2	2.0		
	328	PENN	5	1456.6	1456.8	.6	29.3	13.9		
	8800	SGMR	29	1506	1506	69	15.6	8.0		
	4995	SGMR	29	1506	1506	72	31.0	15.5		
	2800	OTTA	30	1502		60	13.0	8.0		
	2695	SGMR	29	1506	1506	74	12.0	6.0		
	2800	OTTA	1	1546	1546.5	1.5	4.2	2.1		
	2695	SGMR	1	1546	1546.9	2	7.2	2.0		
	1415	SGMR	1	1546.3	1546.8	1.5	3.8	.9		
	606	SGMR	3	1546.5	1547.2	1.3	12.5	3.1		
	2800	OTTA	1	1550	1550.4	.7	2.0	1.0		
	606	SGMR	40	2134	2216.7	U	87.8	20.0		
	486	WASH		2135	2430	235 D	60.0U			
31	2800	OTTA	28	0036.5		11.5	10.0	5.0		
	2800	OTTA	4	0048	0053.5	17	76.0	22.0		
	2800	OTTA	29	0105		45 D	12.0			
	10700	PENN	5	1305.8	1307.7	3	9.9	3.6		
	8800	SGMR	20	1307	1307.6	1.6	9.3	2.0		
	8800	SGMR	29	1308.6	1308.6	11.4	3.1	1.0		
	4995	SGMR	20	1307	1307.6	1.6	11.1	3.0		
	4995	SGMR	29	1308.6	1308.6	11.4	2.8	.8		
	2800	OTTA	1	1307	1307.7	1.5	3.8	1.9		
	2700	PENN	5	1307.2	1307.8	1.2	4.1	1.9		
	2695	SGMR	20	1307.1	1307.8	1.5	4.2	1.0		
	2695	SGMR	29	1308.6	1308.6	13.4	1.2	.5		
	1415	SGMR	20	1307	1307.5	1.5	1.2	.2		
	606	SGMR	20	1307.1	1307.5	1.6	.9	.2		
	8800	SGMR	3	1830.2	1831.7	1.8	14.0	6.2		
	8800	SGMR	29	1832	1832	U	U	U		
	4995	SGMR	3	1831.3	1831.5	.7	8.2	2.7		
	4995	SGMR	29	1832	1832	8.6	5.5	2.7		
	2800	OTTA	21	1830	1910	110	10.0	5.0		
	2800	OTTA	1	1831	1831.8	1.5	2.0	1.0		
	2695	SGMR	1	1830.8	1834.3	4.2	4.8	2.2		
	2695	SGMR	29	1835	1835	U	U	U		
	1415	SGMR	1	1831.5	1831.7	.5	.4	.1		
	606	SGMR	41	1831.7	1831.8	2	17.6	3.8		
	10700	PENN	5	1847.2	1903.8	27.8	30.5	9.7		
	8800	SGMR	3	1846.5	1851.4	7.2	23.4	14.1		
	4995	SGMR	3	1843.8	1851.4	9.4	20.4	12.3		
	2800	OTTA	1	1849	1851.5	5	5.4	2.7		
	2700	PENN	5	1849.1	1905	23	18.2	5.4		
	2695	SGMR	3	1846.8	1851.8	7.2	8.3	3.6		
	1415	SGMR	20	1848	1851.5	5.3	1.9	.9		
	606	SGMR	41	1849.7	1851.2	3.5	5.3	2.6		
	8800	SGMR	3	1901.8	1903.7	2.3	37.4	10.9		
	4995	SGMR	3	1901.7	1904.7	5.3	23.2	8.2		
	2800	OTTA	4	1903	1905	5	10.2	5.1		
	2695	SGMR	3	1900.1	1904.9	8	14.3	5.9		
	1415	SGMR	20	1903.1	1905.4	40	3.4	1.7		
	606	SGMR	20	1902	1927	89.3	1.3	.6		

No data from Haleakala or Boulder.

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

AUGUST 1966

NANÇAY **408 Mc/s**



AUGUST 1966

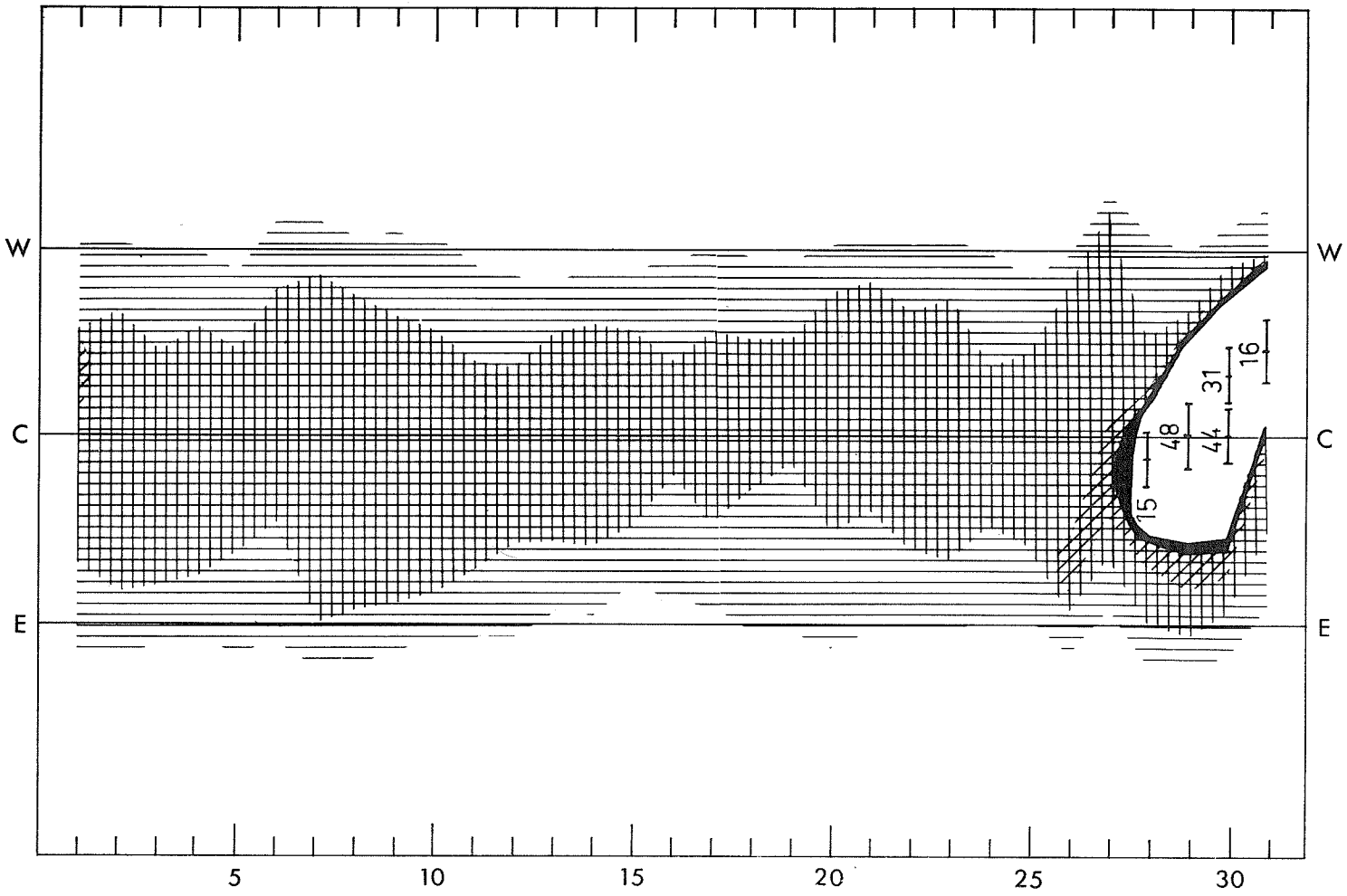
PAI

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

AUGUST 1966

NANÇAY

169 Mc/s



AUGUST 1966

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

AUGUST 1966

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

Date Aug 1966	Bursts				Date Aug 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
1 Aug	III	0105:45-0106:45	1	22-41	3 Aug	III	2305:45-2306	1-	18-41
	III	0120-0120:30	1	24-41		III	2307:45-2308	1-	29-41
	III	1247:45-1248:30	1	26-41		III	2309:30-2309:45	1-	18-41
	III	1251:15-1251:45	1	30-41		III	2311:45-2312	1-	18-41
	III	1316-1316:30	1+	28-41	4 Aug	III	0023-0024:15	1+	22-41
	III	1319:30-1319:45	1-	16-41		III	0106:45-0107	1	23-37
	III	1320:15-1320:45	2	17-41		III	1317-1317:15	1	20-31
	III	1337:45-1338	1-	21-41		III	1513:15-1513:45	1+	21-38
	III	1354:30-1354:45	1-	20-36		III	1514:15-1514:30	1-	22-29
	III	1424-1424:15	1+	21-41		III	1616:15-1616:30	1-	24-41
	III	1653-1653:30	1	25-41		III	1811:30-1813	1	7.6-41
	III	1712:45-1713	1+	22-40		III	1823:30-1824:15	1+	7.6-41
	III	1804-1804:15	1	21-37		III	1923-1923:30	1	20-41
	III	1824:45-1825	1-	27-40		III	2231:30-2231:45	1-	22-41
	III	1827:15-1827:30	1-	20-35	5 Aug	III	0014:45-0015:30	2	20-41
	III	1840:30-1840:45	1	20-41	6 Aug	III	1816-1816:15	1-	24-35
	III	2001:45-2002	1+	23-41		III	2150:30-2151	1-	24-32
	III	2013-2018:15	1+	11-41		III	2254:15-2254:45	1-	21-28
	III	2030:30-2030:45	1-	22-36	7 Aug	III	0019:30-0020	1-	22-38
	III	2035:15-2037:30	2	7.6-41		III	0020:30-0020:45	1+	22-41
	III	2044:45-2045:30	2	20-41		III	0024-0024:15	1-	28-41
	III	2046:30-2047	2	19-41		III	0025-0028:30	2+	16-41
	III	2110:30-2113	1	21-41		III	1512:15-1512:45	1+	20-41
	III	2119:30-2120	1-	20-41		III	1743-1743:30	1+	17-41
	III	2131-2132:30	2	7.6-41					
					8 Aug no	observ.	1620-2214		
	III	2149:15-2149:45	1-	23-41	9 Aug no	observ.	1410-2242		
	III	2157:15-2157:30	1-	22-37	10 Aug	III	1218:45-1219:45	1+	15-41
	III	2238:30-2239	1+	13-41	no	observ.	1503-2243		
	III	2240:15-2241:15	2	21-41	11 Aug no	observ.	1430-2237		
	III	2250:30-2251:45	1-	22-41	12 Aug no	observ.	1420-2242		
	III	2345:15-2345:30	1-	23-41		III	2315:30-2316	1	21-41
2 Aug	III	0013-0015:30	1+	21-41		III	2355:15-2355:30	1-	24-41
	III	0030:30-0032	1	21-41	13 Aug	III	1514:30-1514:45	1-	23-39
	III	0106:45-0107	1-	27-41		III	1603:30-1603:45	1	23-41
	III	1257:30-1258:15	2	22-41		III	1650-1650:15	1-	26-39
	III	1637:15-1637:30	1	22-37		III	1719:15-1719:30	1	22-36
	III	1640:30-1640:45	1-	24-32		III	1726-1726:45	1-	24-34
	III	1659-1659:15	1-	25-33		III	1727:45-1728	1-	24-36
	III	1702:30-1702:45	1-	34-41		III	1753-1753:15	1	23-31
	III	1710:30-1710:45	1-	31-41		III	1820-1820:15	1-	21-41
	III	1715:30-1716:15	2	9-41	14 Aug	III	1738:30-1739:45	1	24-40
	III	1717-1717:45	2	9-41		III	1823:15-1827:15	2	7.6-41
	III	1801-1801:15	1-	24-31		III	1850:45-1851:15	1-	22-39
	III	1806:15-1807:30	2	11-41		III	1851:30-1851:45	1-	23-30
	III	1849:15-1849:30	1	24-41		III	2227-2227:15	1	21-37
	III	1851-1851:15	1	25-37		III	2300:15-2300:45	1	22-31
	III	2143-2143:30	1+	13-41	15 Aug no	observ.	1447-0017		
	III	2243:45-2244:15	1+	17-41	16 Aug	III	2110:45-2113	1+	22-41
	III	2300:15-2301:45	1+	22-38	19 Aug	III	0005:15-0005:30	1-	24-31
3 Aug	III	0027:30-0028	1	22-41	22 Aug	III	2216-2216:30	1-	23-41
	III	0037:45-0039	2+	20-41		III	2251:15-2251:30	1-	20-41
	III	0041:45-0042	1	24-41		III	2252-2252:30	1-	21-41
	III	0042:45-0043:15	1+	17-41		III	2253:30-2253:45	1-	26-37
	III	2302-2302:15	1-	19-41		III	2255:30-2256:45	1+	16-41
	III	2304:15-2304:30	1-	19-41		III	2257-2257:15	1-	22-41

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

AUGUST 1966

UNIVERSITY OF COLORADO

7.6-41 Mc/s

Date Aug 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
23 Aug	III	0048-0048:15	1+	22-41
	III	1617:30-1618	1-	26-38
	III	1625:15-1627:15	2	11-41
	III	1817-1817:15	1-	24-41
	III	1836:45-1837	1+	21-41
	III	1949-1949:15	1-	20-41
	III	2243-2245	1	20-41
24 Aug	continuum	1443:15-0125	1	18-41
	II	1536:30-1540	1+	20-41
	III	1544:30-1544:45	1	7.6-41
	III	1620-1620:45	2	7.6-41
	III	1707:45-1708:45	2	11-41
	III	1710:15-1713	2+	7.6-41
	III	1846:15-1847:30	2	7.6-41
	III	1912:45-1913:30	1+	7.6-41
	III	2032:30-2033	1+	7.6-41
	III	2049:15-2050	2	7.6-41
	III	2129:30-2129:45	1+	11-41
	III	2226-2227:30	2	10-41
25 Aug	III	0005:30-0007:15	1+	13-41
	III	0017:15-0017:45	1+	11-41
	III	1232:15-1232:30	1	16-41
	III	1235:30-1235:45	1-	24-36
	III	1236:45-1237	1-	29-37
	III	1259:45-1300	1	21-41
	III	1329-1329:15	1-	21-41
	III	1336:45-1337:15	1+	20-41
	III	1345-1345:45	1+	20-41
	III	1350:30-1353:30	2	16-41
	III	1403:30-1403:45	1	22-41
	III	1409:30-1410	1	20-41
	III	1421:30-1422	1+	21-41
	III	1431:15-1432	2	14-41
	III	1441-1441:30	1	21-41
	III	1448:30-1449	2	16-41
	III	1458-1458:15	1-	23-34
	III	1502:45-1510:15	2	20-41
	III	1514:45-1550	1-	20-32
	III	1517:45-1518	1-	21-37
	III	1536:15-1536:30	1-	21-35
	III	1545:15-1545:30	1-	25-36
	III	1554:45-1555:15	1+	12-41
	III	1603:45-1604:30	1-	23-41
	III	1616-1616:15	1-	23-38
	III	1630:15-1630:45	1-	23-41
	III	1634:30-1634:45	1-	30-41
	III	1641:45-1642	1-	22-41
	III	1646-1646:30	1-	25-39
	III	1650:15-1650:30	1-	25-41
	III	1728-1728:15	1-	25-39
	III	1739:30-1745	2	7.6-41
	III	1800:45-1801	1-	22-36
	III	1801:45-1802:45	1	22-41
	III	1943:15-1943:45	1+	7.6-41
	III	2022:15-2022:30	1-	24-37
	III	2353-2355	1-	22-41
26 Aug	III	0029:15-0029:30	1	23-37
	III	0052:30-0052:45	1-	30-41
	III	0054:45-0055	1-	23-37
	III	1305:45-1306:15	1	21-34

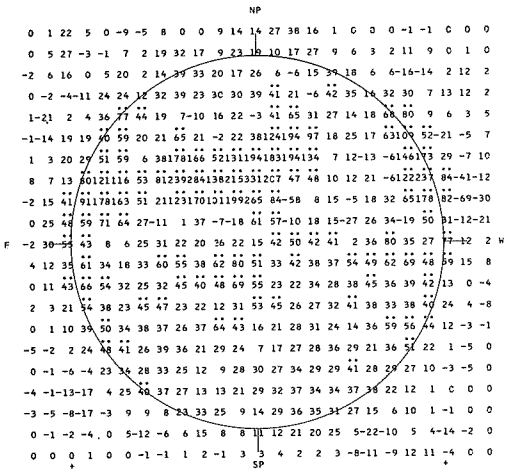
Date Aug 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
26 Aug	III	1357-1357:30	1-	22-29
	III	1413:30-1414	1-	21-32
	continuum	1506:30-1758	1	20-41
	IV	1758-1858	2	7.6-41
	IV	1858-2130:30	2	21-41
	III	2130:30-2130:45	1+	9-41
	III	2131:45-2132	1	9-41
	continuum	2130:30-0102	1	21-41
	no observ.	2332-2359		
27 Aug	III	0139:45-0140	1	24-41
	continuum	1219-1820	1-	22-41
	III	1633-1634:15	2+	11-41
	continuum	1820-2035	1	21-41
	continuum	2035-0116	2	21-41
28 Aug	continuum	1216-1259	1	21-41
	continuum	1259-1524:15	2+	21-41
	III	1524:15-1525:30	2	16-41
	III	1527-1532:15	3	11-41
	II	1530:15-1547	3	11-41
	IV	1547-1634	2+	11-41
	IV	1634-1749	2	21-41
	continuum	1749-0110	2	21-41
29 Aug	continuum	1219-1325:15	1	21-41
	II	1319:30-1324:30	2	20-41
	continuum	1325:15-1340	2+	21-41
	continuum	1340-1656:15	1+	22-41
	III	1435:45-1439:45	2+	16-41
	continuum	1656:15-1801:30	2	21-41
	continuum	1801:30-1900	2+	21-41
	continuum	1900-2026:45	1+	22-41
	continuum	2026:45-2032	2+	22-41
	IV	2032-2258	2+	21-41
	continuum	2258-0111	1+	24-41
30 Aug	continuum	b1224-a1410	2+	16-41
	no observ.	1410-1440		
	continuum	b1440-1700	2+	16-41
	III	1447:30-1449	2+	12-41
	III	1501-1502	2+	8-41
	III	1505:15-1506:15	2+	8-41
	III	1510-1512	2+	8-41
	III	1550:30-1551	2+	12-41
	III	1551:45-1552:15	2+	12-41
	III	1553:45-1554:30	2+	12-41
	III	1555-1555:30	2+	12-41
	continuum	1700-1800	2+	8-41
	continuum	1800-2015	2+	12-41
	continuum	2015-0130	2+	16-41
	III	2152-2153	2+	11-41
	III	2204-2205	2+	15-41
31 Aug	III	0024:30-0025:15	3	11-41
	continuum	b1430-0056	1+	20-41
	III	1606-1607	2+	7.6-41
	III	1608:15-1609:15	2+	7.6-41
	III	1609:15-1610	2+	7.6-41
	III	1842-1842:15	1+	9-41
	III	1842:30-1844:45	2	9-41
	III	2113:15-2115	1+	11-41
	III	2132-2132:15	2	9-41
	III	2135:30-2136:45	3	7.6-41
	III	2152-2153:15	2	7.6-41
	III	2153:45-2155:45	2	7.6-41

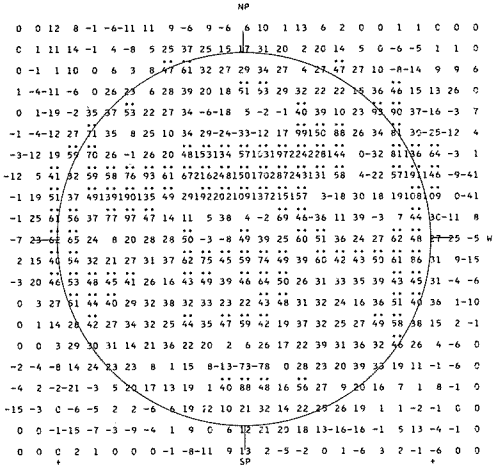
SOLAR RADIO EMISSION SPECTROHELIOGRAMS

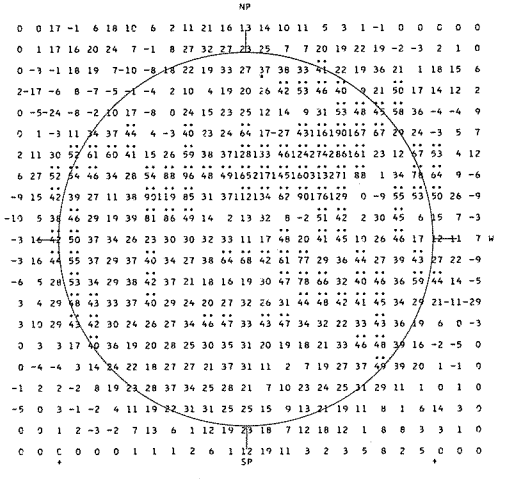
STANFORD

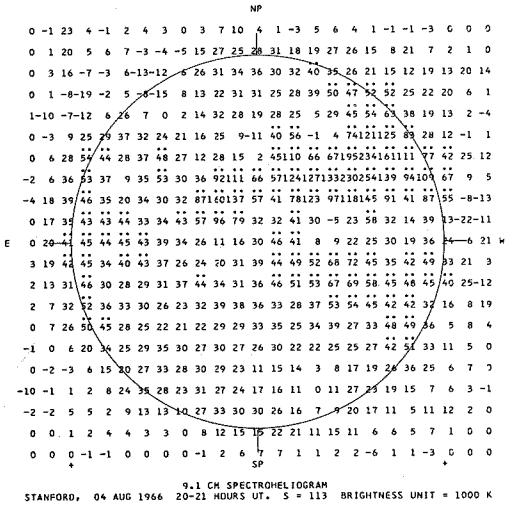
AUGUST 1966

9.1 cm









NO DATA

1966 August 5

NO DATA

1966 August 6

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

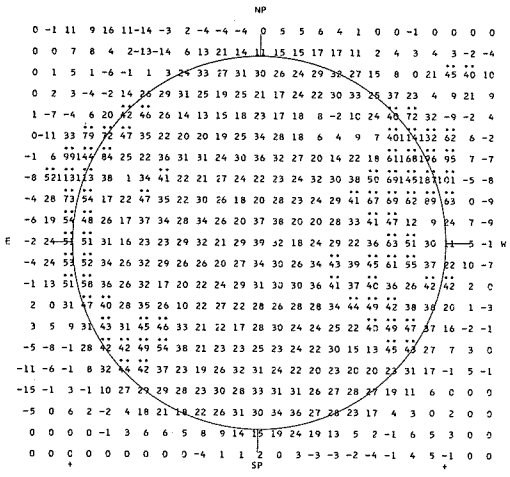
STANFORD

AUGUST 1966

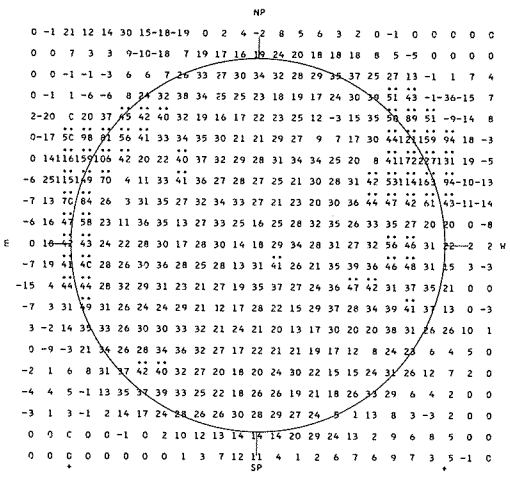
9.1 cm

NO DATA

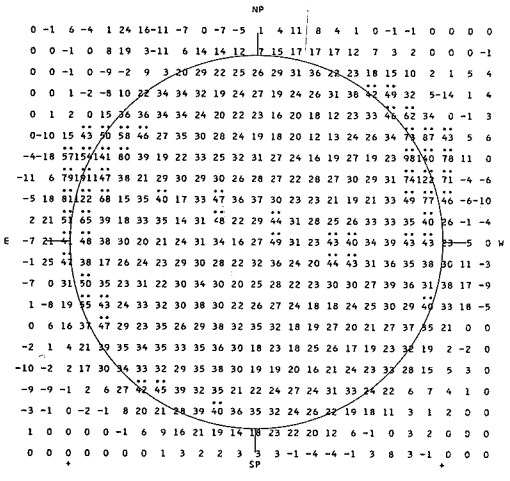
1966 August 7



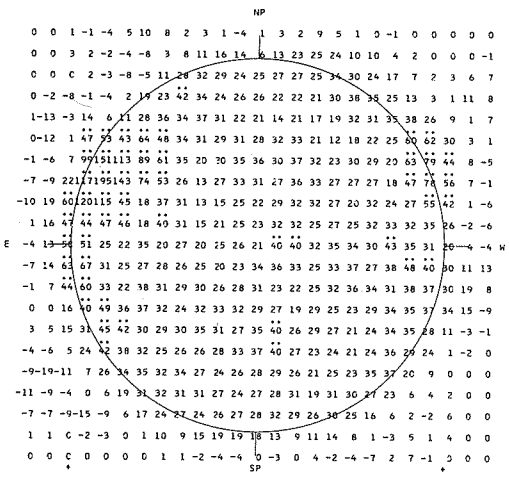
9.1 CM SPECTROHELIOGRAM
STANFORD, 08 AUG 1966 20-21 HOURS UT. S = 95 BRIGHTNESS UNIT = 1000 K



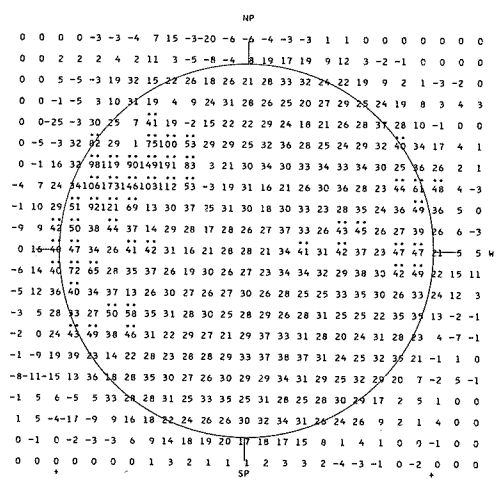
9.1 CM SPECTROHELIOGRAM
STANFORD, 09 AUG 1966 20-21 HOURS UT. S = 94 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 10 AUG 1966 20-21 HOURS UT. S = 92 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 11 AUG 1966 20-21 HOURS UT. S = 90 BRIGHTNESS UNIT = 1000 K



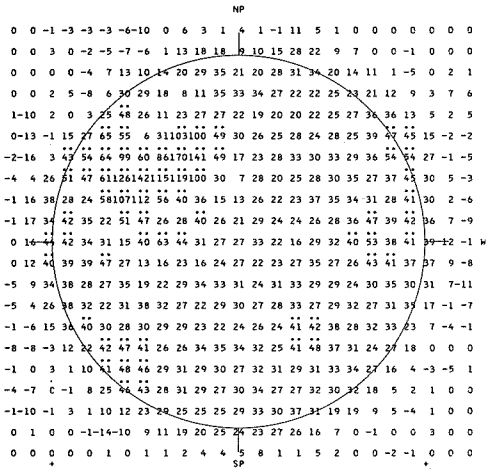
9.1 CM SPECTROHELIOGRAM
STANFORD, 12 AUG 1966 20-21 HOURS UT. S = 90 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

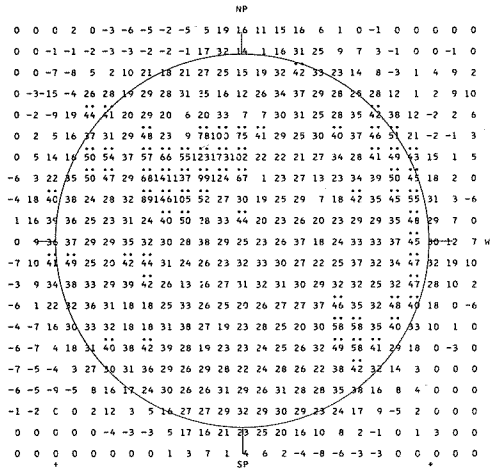
STANFORD

AUGUST 1966

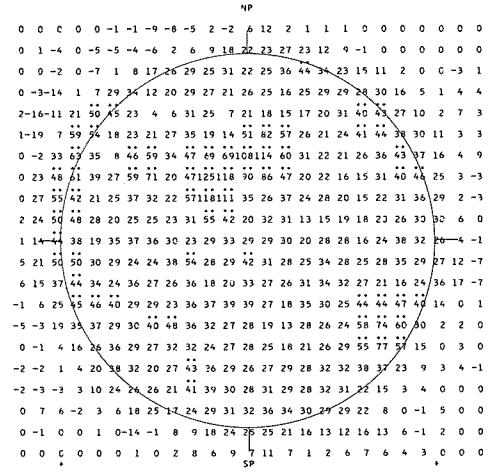
9.1 cm



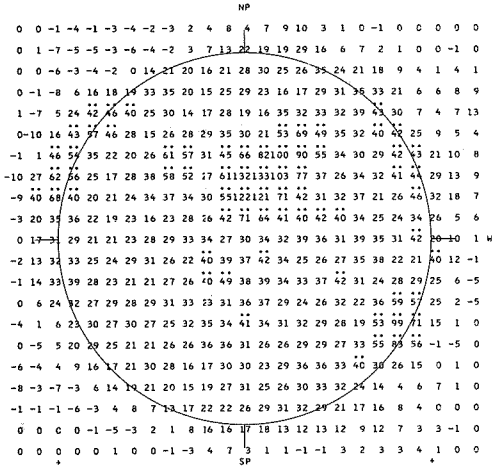
9.1 CM SPECTROHELIOGRAM
STANFORD, 13 AUG 1966 20-21 HOURS UT. S = 91 BRIGHTNESS UNIT = 1000 K



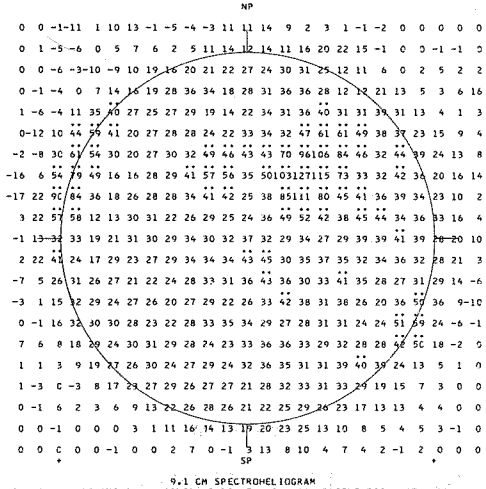
9.1 CM SPECTROHELIOGRAM
STANFORD, 14 AUG 1966 20-21 HOURS UT. S = 91 BRIGHTNESS UNIT = 1000 K



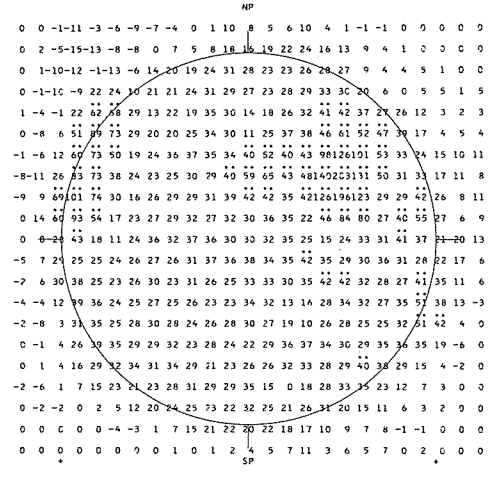
9.1 CM SPECTROHELIOGRAM
STANFORD, 15 AUG 1966 20-21 HOURS UT. S = 91 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 16 AUG 1966 20-21 HOURS UT. S = 93 BRIGHTNESS UNIT = 1000 K



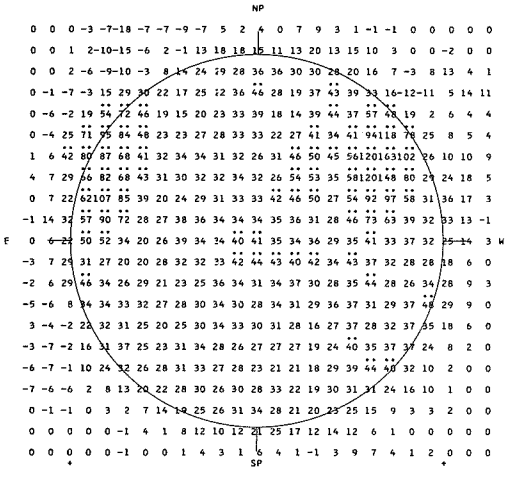
9.1 CM SPECTROHELIOGRAM
STANFORD, 17 AUG 1966 20-21 HOURS UT. S = 94 BRIGHTNESS UNIT = 1000 K



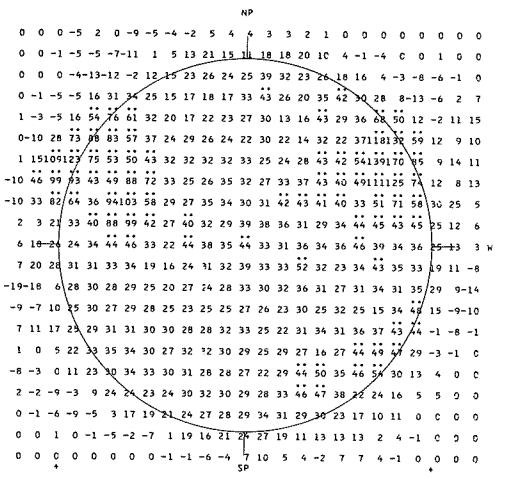
9.1 CM SPECTROHELIOGRAM
STANFORD, 18 AUG 1966 20-21 HOURS UT. S = 95 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

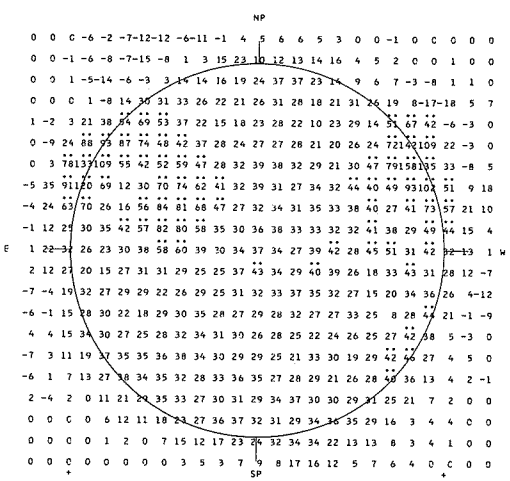
STANFORD — **AUGUST 1966** — **9.1 cm**



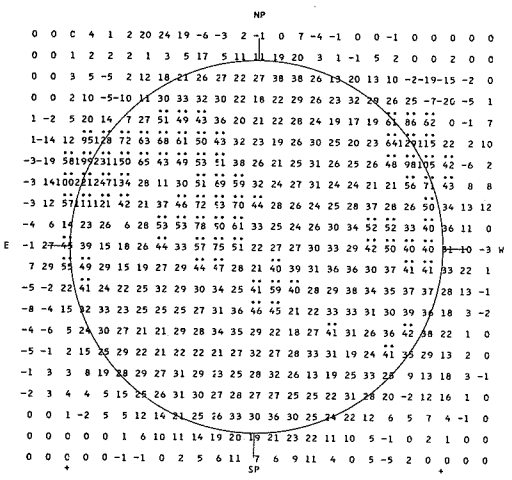
9.1 CM SPECTROHELIOGRAM
STANFORD, 19 AUG 1966 20-21 HOURS UT. S = 98 BRIGHTNESS UNIT = 1000 K



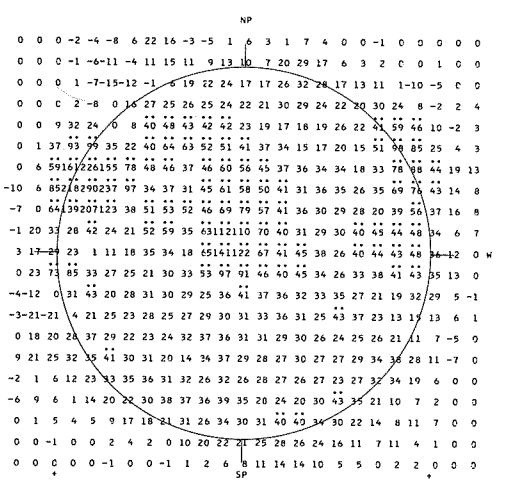
9.1 CM SPECTROHELIOGRAM
STANFORD, 20 AUG 1966 20-21 HOURS UT. S = 99 BRIGHTNESS UNIT = 1000 K



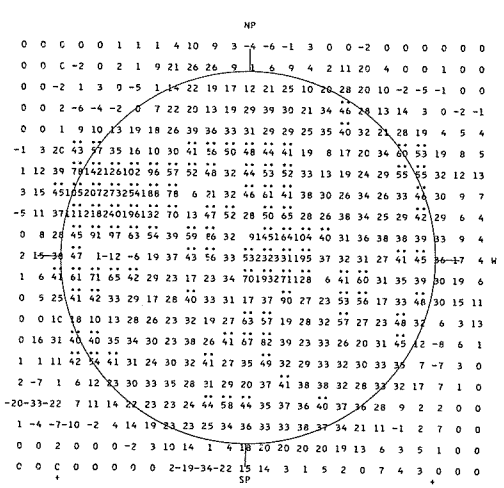
9.1 CM SPECTROHELIOGRAM
STANFORD, 21 AUG 1966 20-21 HOURS UT. S = 100 BRIGHTNESS UNIT = 1000 K



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



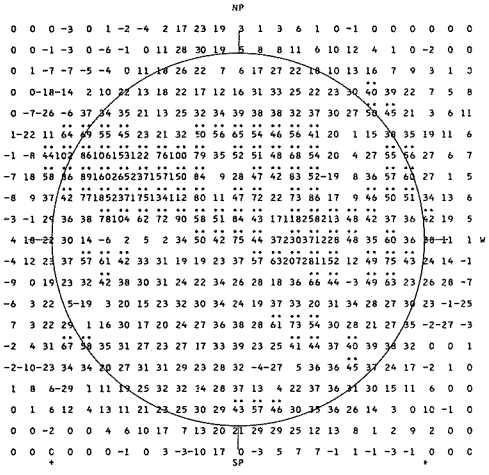
9.1 CM SPECTROHELIOGRAM
STANFORD, 23 AUG 1966 20-21 HOURS UT. S = 112 BRIGHTNESS UNIT = 1000 K



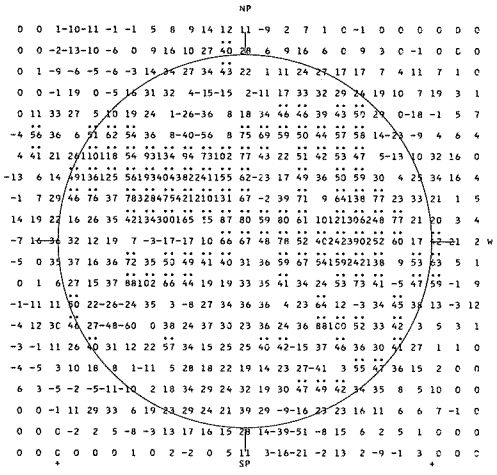
9.1 CM SPECTROHELIOGRAM
STANFORD, 24 AUG 1966 20-21 HOURS UT. S = 119 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

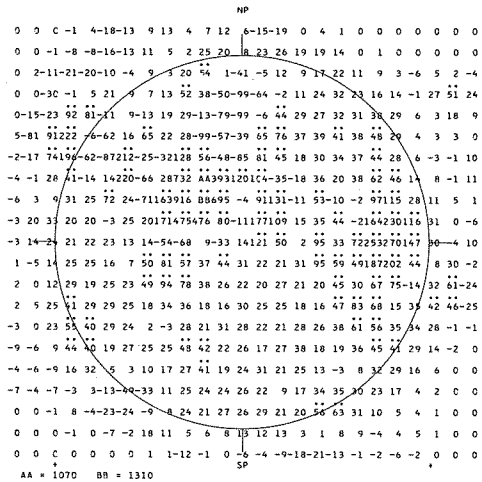
STANFORD — **AUGUST 1966** — **9.1 cm**



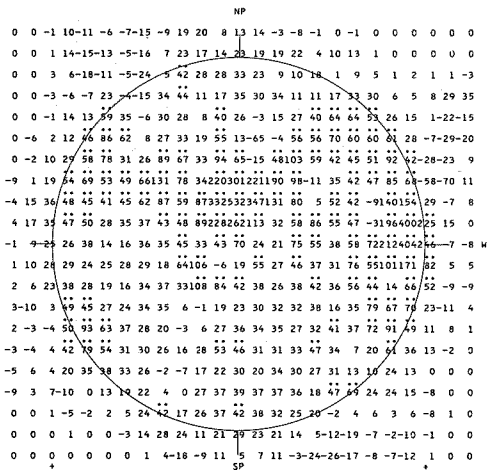
9.1 CM SPECTROHELIOGRAM
STANFORD, 25 AUG 1966 20-21 HOURS UT. S = 124 BRIGHTNESS UNIT = 1000 K



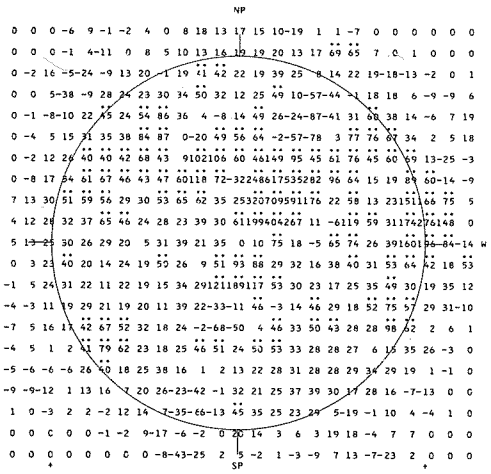
9.1 CM SPECTROHELIOGRAM
STANFORD, 26 AUG 1966 20-21 HOURS UT. S = 128 BRIGHTNESS UNIT = 1000 K



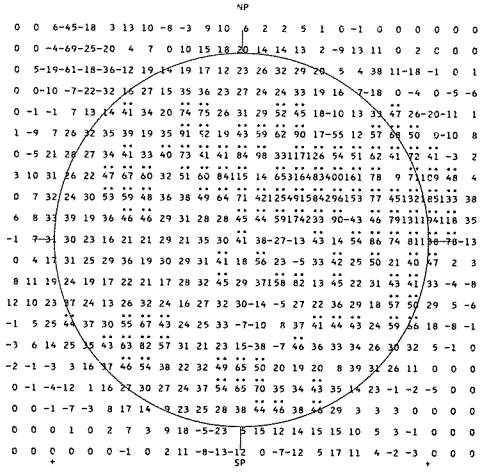
9.1 CM SPECTROHELIOGRAM
STANFORD, 27 AUG 1966 20-21 HOURS UT. S = 131 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 28 AUG 1966 20-21 HOURS UT. S = 130 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM
STANFORD, 29 AUG 1966 20-21 HOURS UT. S = 127 BRIGHTNESS UNIT = 1000 K



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

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

STANFORD AUGUST 1966 **9.1 cm**

NO DATA

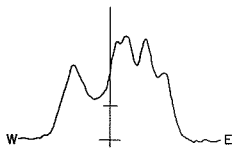
1966 August 31

EAST - WEST SOLAR SCANS

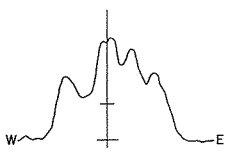
FLEURS, AUSTRALIA

AUGUST 1966

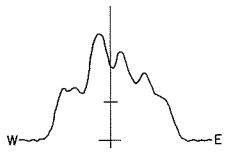
21 cm
Fan - Beam with 2 minutes of arc
E - W Resolution



1966 August 1 0159 U.T.

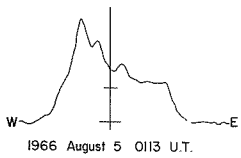


1966 August 2 0121 U.T.

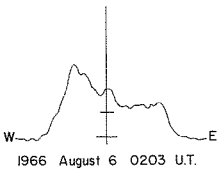


1966 August 3 0121 U.T.

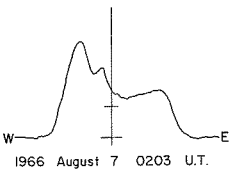
NO DATA
1966 August 4



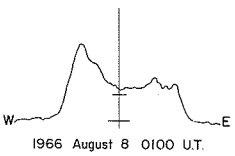
1966 August 5 0113 U.T.



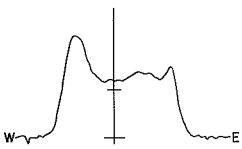
1966 August 6 0203 U.T.



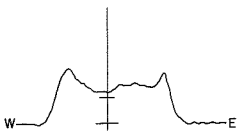
1966 August 7 0203 U.T.



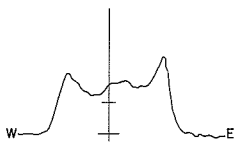
1966 August 8 0100 U.T.



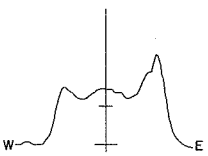
1966 August 9 0207 U.T.



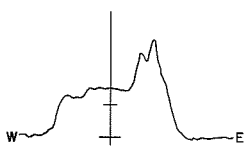
1966 August 10 0158 U.T.



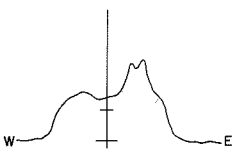
1966 August 11 0206 U.T.



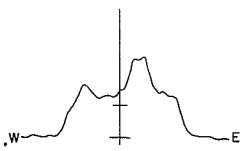
1966 August 12 0112 U.T.



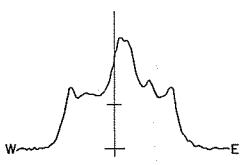
1966 August 13 0158 U.T.



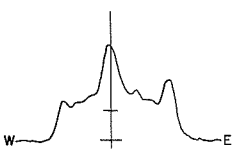
1966 August 14 0202 U.T.



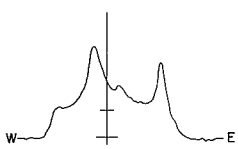
1966 August 15 0112 U.T.



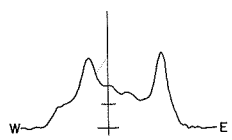
1966 August 16 0201 U.T.



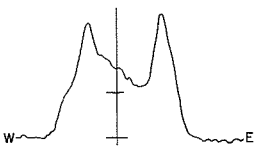
1966 August 17 0110 U.T.



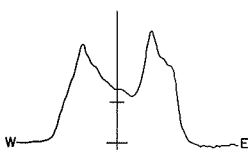
1966 August 18 0205 U.T.



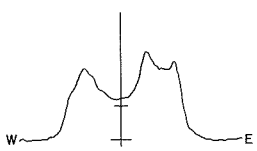
1966 August 19 0107 U.T.



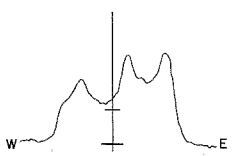
1966 August 20 0200 U.T.



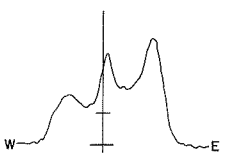
1966 August 21 0200 U.T.



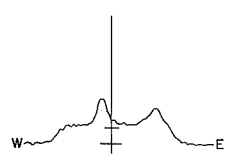
1966 August 22 0111 U.T.



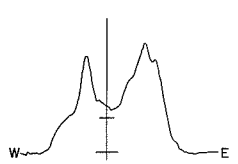
1966 August 23 0204 U.T.



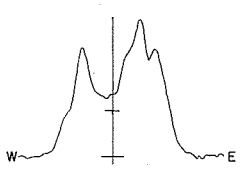
1966 August 24 0119 U.T.



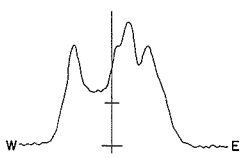
1966 August 25 0151 U.T.



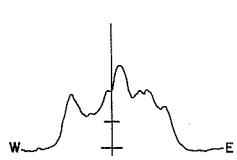
1966 August 26 0110 U.T.



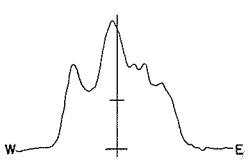
1966 August 27 0118 U.T.



1966 August 28 0158 U.T.



1966 August 29 0105 U.T.



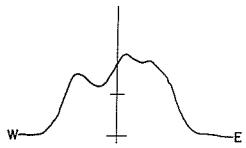
1966 August 30 0158 U.T

EAST - WEST SOLAR SCANS

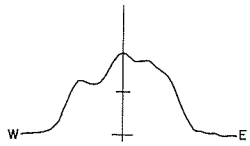
FLEURS, AUSTRALIA

AUGUST 1966

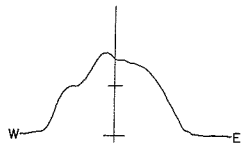
43 cm
Fan-Beam with 4 minutes of arc
E-W Resolution



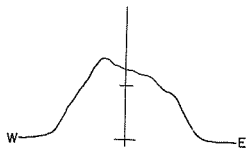
1966 August 1 0203 U.T.



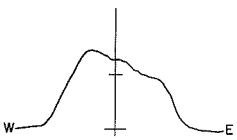
1966 August 2 0155 U.T.



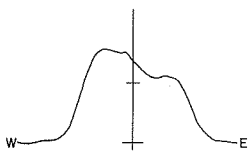
1966 August 3 0212 U.T.



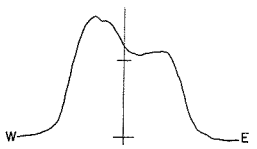
1966 August 4 0203 U.T.



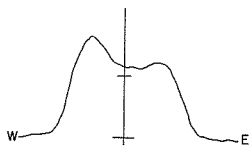
1966 August 5 0203 U.T.



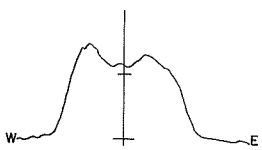
1966 August 6 0203 U.T.



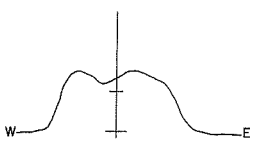
1966 August 7 0203 U.T.



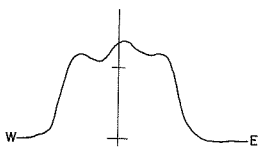
1966 August 8 0154 U.T.



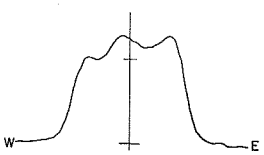
1966 August 9 0211 U.T.



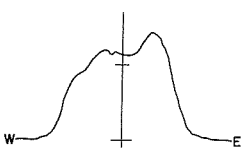
1966 August 10 0154 U.T.



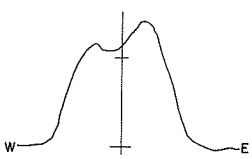
1966 August 11 0211 U.T.



1966 August 12 0202 U.T.



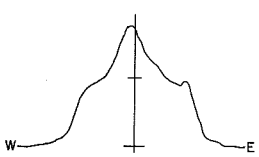
1966 August 13 0202 U.T.



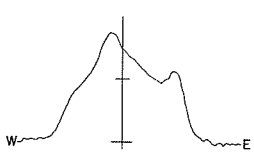
1966 August 14 0202 U.T.

1966 August 15 0201 U.T.

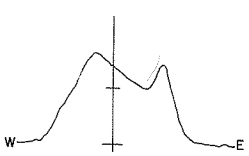
1966 August 16 0210 U.T.



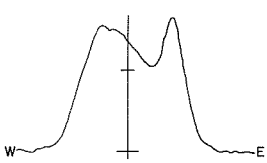
1966 August 17 0209 U.T.



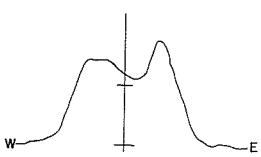
1966 August 18 0201 U.T.



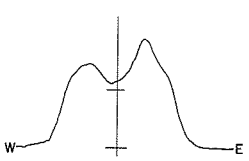
1966 August 19 0201 U.T.



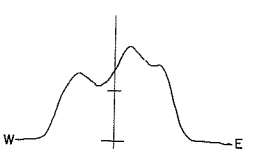
1966 August 20 0200 U.T.



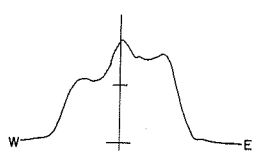
1966 August 21 0200 U.T.



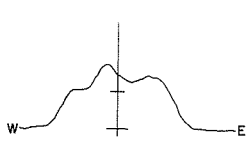
1966 August 22 0200 U.T.



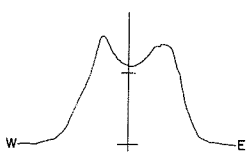
1966 August 23 0200 U.T.



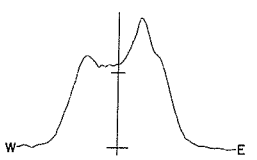
1966 August 24 0200 U.T.



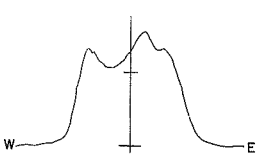
1966 August 25 0151 U.T.



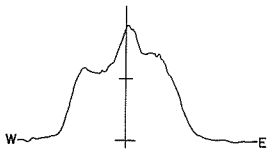
1966 August 26 0159 U.T.



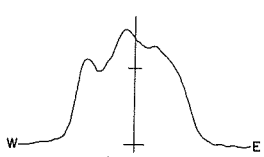
1966 August 27 0150 U.T.



1966 August 28 0150 U.T.



1966 August 29 0206 U.T.



1966 August 30 0108 U.T.

Errata: 1. In CRPL-FB-264, August 1966, on pages IVaa and IVbb the July 17 through July 31 data were reversed. On page IVaa the July 17 - 31 data are the 43 cm solar scans belonging on page IVbb and on page IVbb the July 17 - 31 data are the 21 cm solar scans belonging on page IVaa.

2. Also the heading on page IVbb should be July 1966, not June 1966.

COSMIC RAY INDICES

(Neutron Monitors)

JULY 1966

JULY 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	*	6823.5	4094.1	*
2		6806.4	4087.8	
3		6854.2	4118.1	
4		6887.1	4132.7	
5		6913.7	4143.0 (28)	
6		6907.7	4144.9	
7		6951.9	4160.2	
8		6924.4	4153.4	
9		6752.1	4091.2	
10		6798.5	4097.0	
11		6838.6	4117.7	
12		6806.0	4105.9	
13		6796.3	4105.1 (32)	
14		6837.0	4092.2 (38)	
15		6856.0	4089.8	
16		6867.7	4095.5	
17		6867.7	4112.7	
18		6877.2	4117.2	
19		6881.3	4121.9 (38)	
20		6904.2	4121.7 (24)	
21		6885.8	4124.5 (8)	
22		6909.4	--	
23		6870.4	--	
24		6865.9	--	
25		6860.3	--	
26		6863.0	--	
27		6837.0	4085.3 (14)	
28		6805.5	4074.2	
29		6820.3	4062.0	
30		6841.1	4076.1	
31		6816.9	4076.7	

* The data for July 1966 from Dallas and Churchill have not been processed. It will be published when it becomes available.

( ) Number of hours for which data are available if less than 24 (or number of section hours if less than 40 for Climax).

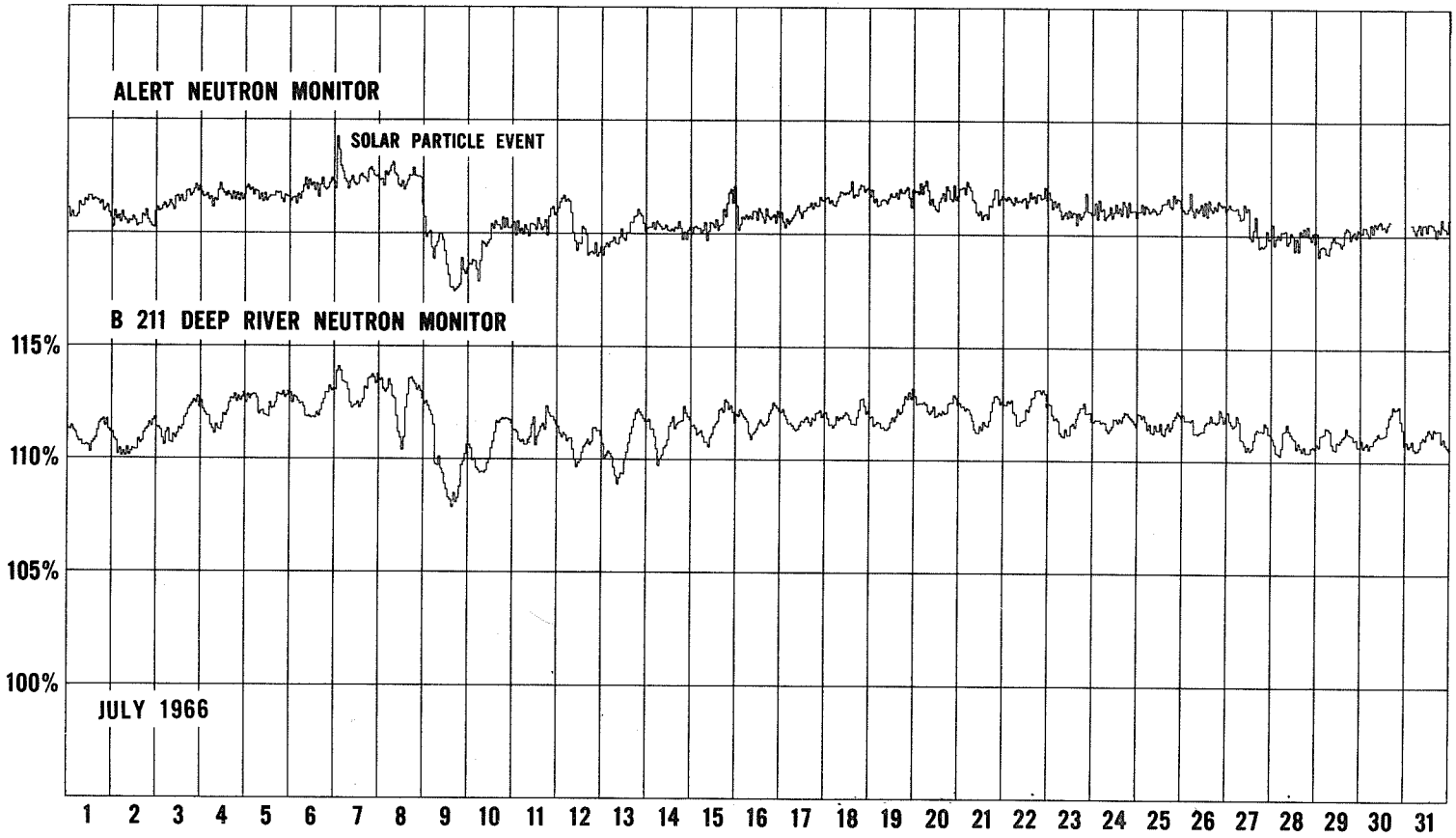
Deep River Neutron Monitor, Scaling Factor 300.

Climax IGC Station B305, Scaling Factor 100.

COSMIC RAY INDICES

(Pressure Corrected Hourly Totals)

JULY 1966



Note: The graph now presents data from Alert as well as from Deep River. Both are plotted to the same scale, but percentages are given for Deep River only. The Deep River rate is normalized to 1,846,000 cts/hour and corresponding Alert rate to 667,800 cts/hour.

GEOMAGNETIC ACTIVITY INDICES

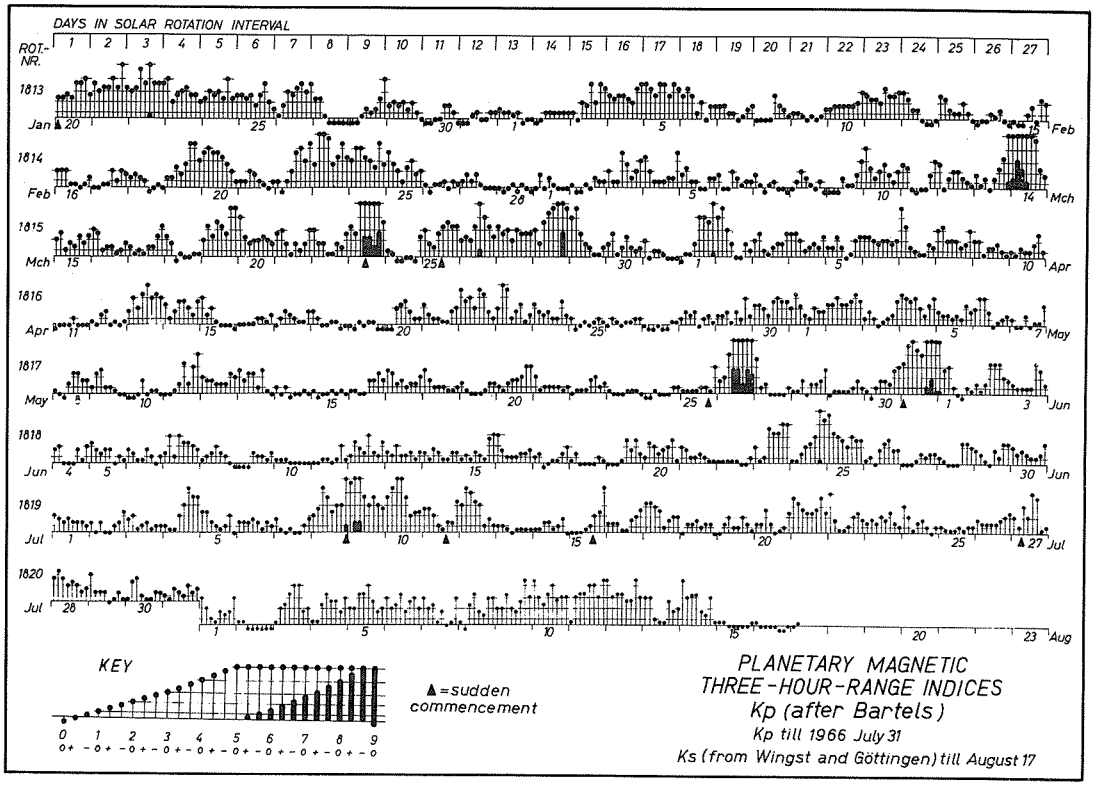
JULY 1966

Day [1]	Three-hour range indices Kp [2] 1	2	3	4	5	6	7	8	Sum	Prel. [3] Ci	Cp [4]	Ap [5]
1	2o	2-	1+	2-	1+	1+	1+	1o	12-	0.3	0.2	5
2 q	1+	0+	1+	0+	0+	1o	1+	2+	8+	0.2	0.1	4
3 q	2-	2o	1-	1o	1+	1-	1o	1o	9+	0.2	0.2	4
4	1o	1-	1-	2o	3o	4+	1-	4-	19o	0.9	0.8	14
5	2+	2+	1+	1o	1-	1o	2o	0+	11o	0.2	0.2	5
6 q	1+	1+	1+	2-	1+	1-	1+	1o	10o	0.2	0.2	5
7 Q	2-	1-	0+	1-	0+	0+	1o	2-	7-	0.2	0.1	4
8 D	2o	3-	4+	4-	2+	3o	3o	6-	27-	1.3	1.1	22
9 D	5-	6o	6o	4-	3o	4-	3o	3-	33-	1.4	1.4	36
10 D	4-	4+	5o	5o	4-	2o	2+	2+	28+	1.3	1.2	25
11	3-	3-	2+	1o	1-	1+	1+	3+	15+	0.6	0.5	8
12 D	3o	4+	4o	3+	3o	1o	2-	1o	21+	0.9	0.9	15
13 Q	1o	1o	1-	0+	1-	1-	1-	1-	6-	0.0	0.1	3
14 Q	1-	1-	1+	1+	1-	1o	2-	0+	8-	0.2	0.1	4
15	0+	0+	0+	1-	1o	2o	2+	4+	11+	0.6	0.4	8
16	1+	1+	1+	1-	1-	2-	2o	3-	12-	0.4	0.3	6
17	3+	3+	3o	3-	1o	2-	2o	2o	19o	0.8	0.6	11
18 Q	0+	1+	1+	2-	1o	1+	1+	0+	9-	0.2	0.2	4
19 q	0+	1+	2o	1o	1o	2o	1+	1-	10-	0.3	0.2	5
20	1+	1+	3-	1+	0+	1-	1o	2+	11o	0.4	0.3	6
21 D	4-	3+	3-	2+	2+	3-	4-	2+	23o	0.9	0.8	14
22	4o	2-	1-	1-	1o	2o	2+	2-	14o	0.6	0.4	8
23	1+	2-	1+	2o	2-	2+	1+	1o	13-	0.4	0.3	6
24	3o	2o	1-	1+	2-	1o	0+	1o	11o	0.3	0.3	6
25 Q	1o	1-	1-	1-	1o	1-	1o	1o	7-	0.1	0.1	4
26	2-	1+	1+	1+	1+	2-	2o	2+	13o	0.4	0.3	6
27	2o	1o	3o	2o	4o	4-	1-	1o	17+	0.9	0.6	11
28	3-	3+	3-	2o	2+	2o	1+	2-	18o	0.7	0.5	10
29	3o	1+	1+	1+	0+	1-	1+	1-	10o	0.4	0.2	5
30	1-	2+	3-	1o	1-	1-	1+	1+	11-	0.4	0.2	6
31 q	1o	1-	2-	1+	1o	2o	1+	2-	11-	0.4	0.2	5
									Means:	0.52	0.42	12
									No. of days :	31	31	31

Erratum: 1. In CRPL-FB-264, August 1966, page VIa, the mean value of Cp is incorrect. It should be 0.30 for the month of June 1966.

Note: 1. Preliminary storm sudden commencements (ssc) occurred July 08 at 2102 UT; July 11 at 1542 UT; July 15 at 1500 UT; and July 27 at 0603 UT.

GEOMAGNETIC ACTIVITY INDICES



DAILY AVERAGE INDICES A_p

	Day	1965 Aug.	Sep.	Oct.	Nov.	Dec.	1966 Jan.	Feb.	Mar.	Apr.	May	June	July
	1	5	6	2	4	19	2	3	3	18	8	12	5
	2	11	5	16	5	9	8	3	3	13	12	10	4
	3	6	4	3	1	2	6	11	10	7	5	7	4
	4	7	16	1	8	11	11	13	9	8	12	4	14
	5	4	9	8	13	3	4	18	5	6	6	5	5
	6	3	9	2	17	3	2	8	4	7	7	4	5
	7	6	7	6	9	3	7	4	2	10	4	9	4
	8	6	4	15	4	4	8	4	3	10	5	4	22
	9	7	3	4	5	6	8	3	4	5	5	3	36
	10	4	3	3	0	10	7	7	10	5	2	2	25
	11	6	4	3	3	10	2	12	6	2	10	3	8
	12	6	11	6	3	10	2	5	6	3	6	7	15
	13	3	6	8	10	6	2	6	14	15	7	5	3
	14	8	3	6	3	2	3	2	64	8	2	4	4
	15	6	15	2	2	1	5	4	7	4	2	6	8
	16	7	35	2	1	1	0	5	7	3	5	6	6
	17	11	18	2	4	2	2	4	6	4	7	4	11
	18	21	16	6	6	12	5	3	4	3	5	3	4
	19	27	17	4	10	7	3	14	20	2	3	6	5
	20	17	5	2	17	4	15	17	10	5	8	7	6
	21	12	5	1	10	2	23	4	8	5	4	4	14
	22	5	5	14	4	6	27	14	7	13	4	3	8
	23	9	10	19	2	3	14	28	67	10	2	17	6
	24	14	10	14	4	9	14	19	2	6	2	16	6
	25	13	12	11	5	12	11	10	14	3	5	16	4
	26	7	9	7	4	19	14	3	20	3	78	6	6
	27	6	20	6	4	10	3	4	13	1	5	4	11
	28	3	27	15	2	16	7	2	42	4	5	5	10
	29	6	7	5	3	8	6		12	6	4	6	5
	30	8	3	8	12	6	2		6	10	6	6	6
	31	11		6		3	2		3		48		5
	Mean:	9	10	7	6	7	7	8	13	7	9	6	12

RADIO PROPAGATION QUALITY FIGURES AND FORECASTS

NORTH ATLANTIC, NORTH PACIFIC — JULY 1966

JULY 1966	WHOLE DAY INDICES: NORTH ATLANTIC	NORTH PACIFIC	AVERAGE HIGH LATITUDE	ADVANCE FORECASTS (Jc-REPORTS) FOR WHOLE DAY	NORTH ATLANTIC: 6-HOURLY QUALITY FIGURES 00 TO 06	06 TO 12	12 TO 18	18 TO 24	NORTH ATLANTIC: SHORT-TERM FORECASTS ISSUED ABOUT ONE HOUR IN ADVANCE OF: 00	06	12	18	NORTH PACIFIC: 6-HOURLY QUALITY FIGURES 00 TO 06	06 TO 12	12 TO 18	18 TO 24	GEOMAGNETIC INDICES: K_{FR} HALF DAY (1)	(2)	A_{FR} QB-SERVED	PRE-DICTED	K_{SI} HALF DAY (1)	(2)	A_{SI}
01	7-	6	6	7	7o	6+	7-	7o	7	7	7	7	6	6	6	6	2	2	7	4	2	0	3
02	7o	7	7	7	7o	7-	7	7o	7	7	7	7	7	6	6	7	1	1	5	4	1	0	3
03	7-	6	6	7	7o	7-	7-	7+	7	7	7	7	6	6	6	6	2	1	5	7	2	0	3
04	7-	6	6	7	7+	6+	7o	7o	7	7	7	7	6	6	6	6	1	3	10	9	1	2	6
05	7-	6	6	7	7o	7-	7-	7o	7	7	7	7	6	6	5	6	2	1	5	5	1	1	3
06	7-	7	7	7	7-	6+	7-	7o	7	7	7	7	7	6	6	7	1	2	5	2	2	0	3
07	7o	5	6	7	7o	7-	7	7+	7	7	7	6	4	5	5	5	1	1	4	4	1	0	2
08	7-	5	6	7	7o	7-	7-	6+	4	5	6	6	5	4	4	5	3	3	19	4	(4)	3	24
09	6+	5	6	7	5+	4-	6-	7-	4	4	5	6	5	5	5	5	(5)	2	24	7	(6)	3	79
10	6-	5	5	7	6-	4+	6+	7-	6	5	6	6	5	5	5	5	(4)	3	21	7	(5)	2	40
11	7-	6	6	7	7-	6	7-	7o	6	6	6	7	6	6	6	6	2	2	9	5	2	2	9
12	6+	5	6	7	7-	5+	7-	7-	7	6	6	7	6	5	4	5	(4)	2	14	5	(4)	2	22
13	7-	6	6	7	7o	7-	7-	7o	7	6	7	7	6	6	7	6	1	0	2	7	1	0	2
14	7-	6	6	6	7o	6+	7o	7o	7	7	7	7	6	6	6	6	1	1	3	5	2	0	3
15	7-	6	6	6	7-	7-	7o	7o	7	6	7	7	6	6	6	6	1	3	9	5	0	2	4
16	7-	6	6	7	7o	7-	7-	7-	7	7	7	7	6	6	7	6	1	2	6	7	2	2	7
17	7-	6	6	7	7-	6+	7-	7o	7	6	7	7	6	6	6	6	(4)	2	17	7	3	1	9
18	7-	6	6	7	7-	7-	7-	7o	7	7	7	7	6	6	6	6	2	1	5	5	2	0	3
19	7o	6	7	7	7o	7-	7o	7o	7	7	7	7	6	6	6	6	2	1	5	5	2	1	4
20	7-	6	6	7	7-	7-	6+	7o	7	7	7	7	6	6	6	6	2	1	5	10	2	1	5
21	7-	6	6	7	7-	6+	7o	7o	7	6	7	7	6	6	6	6	3	2	14	7	3	2	11
22	7-	6	6	7	6+	7-	7-	7o	7	6	7	7	6	6	6	6	2	2	8	10	2	2	6
23	7-	6	6	7	7o	6+	7-	7+	7	7	7	7	6	6	6	6	2	2	5	7	2	1	5
24	7o	5	7	7	7o	7o	7-	7o	7	7	7	7	6	6	6	6	2	1	6	3	2	0	4
25	7o	7	7	7	7o	7o	7-	7o	7	7	7	7	6	6	6	6	0	1	2	3	1	1	2
26	7-	6	6	7	7o	7-	7-	7o	7	7	7	7	6	6	6	6	2	1	5	5	2	1	5
27	7o	6	7	7	7o	7-	7-	7+	7	7	7	7	6	6	5	6	3	2	11	5	2	2	10
28	7-	6	6	6	7o	6+	7-	7o	7	7	7	7	6	6	6	6	3	2	9	20	3	2	13
29	7-	6	6	6	7o	6+	7-	7o	7	7	7	7	6	6	6	6	2	1	4	13	2	0	3
30	7-	6	6	7	7o	7-	7-	7o	7	6	7	7	6	6	6	6	2	1	8	6	2	0	7
31	7o	6	7	7	7o	7-	7-	7o	7	7	7	7	6	6	6	6	2	1	5	6	2	1	4

QUIET	P	11	27	16	26	28
	S	19	3	12	5	3
	U	1	0	1	0	0
	F	0	1	0	0	0
DISTURBED	P	0	0	1	0	0
	S	0	0	1	0	0
	U	0	0	0	0	0
	F	0	0	0	0	0

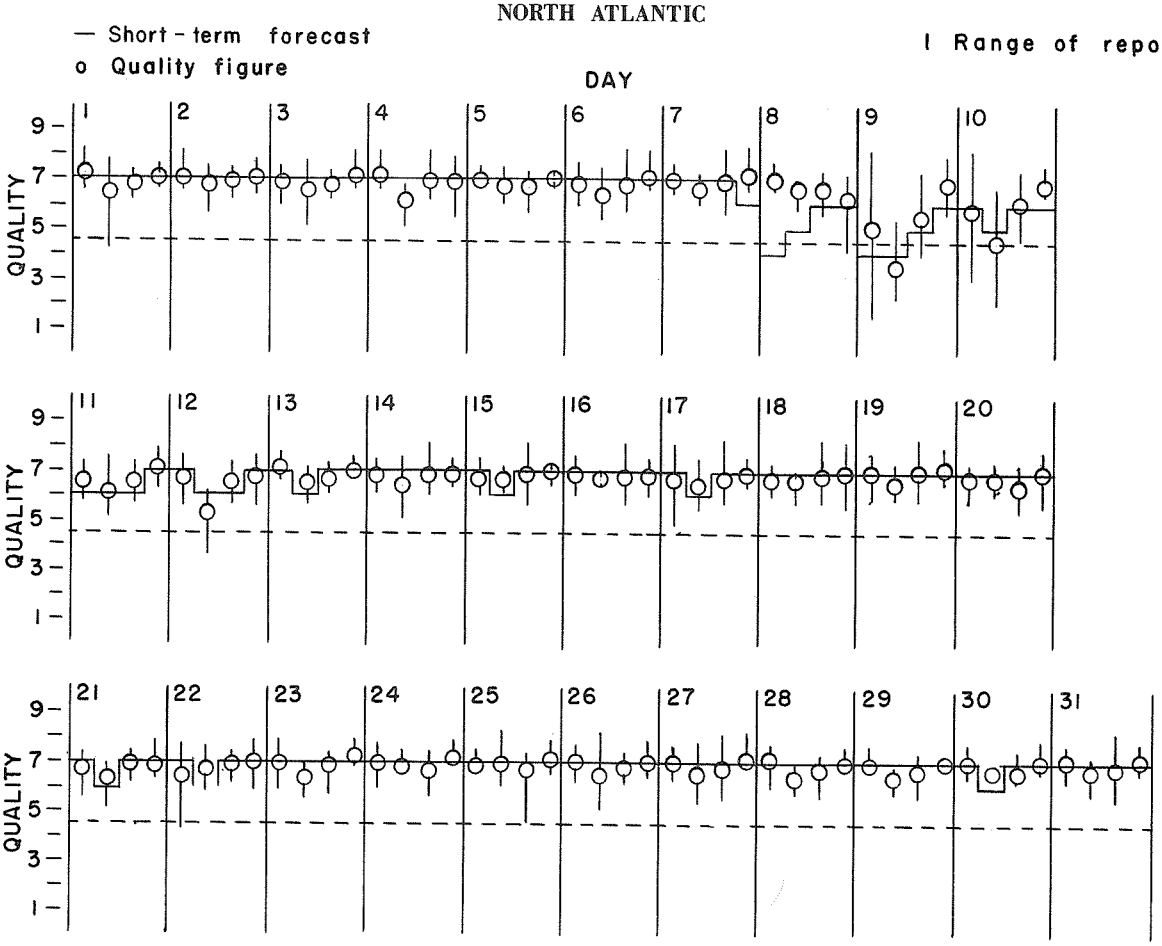
1) THE ADVANCE JC-FORECASTS ARE SCORED AGAINST THE AVERAGE HIGH LATITUDE WHOLE-DAY INDICES.

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.

Note: A Special Disturbance Warning (SDW) was issued for July 8, 9 and 10 calling for quality 3, 4 and 6 on the respective days.

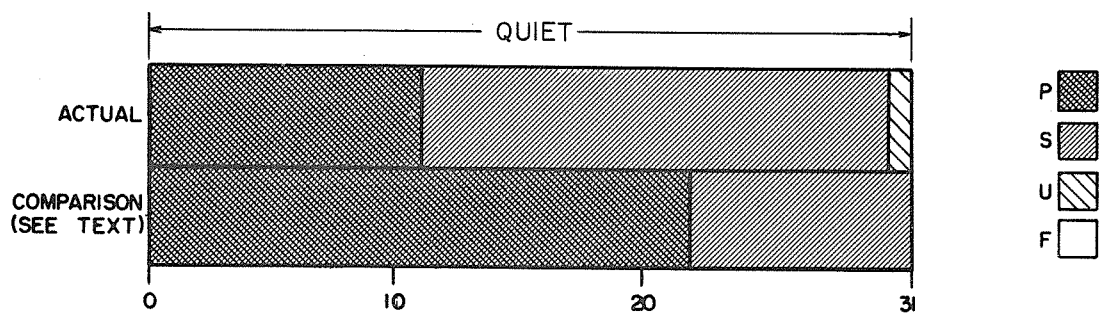
JULY 1966

NORTH ATLANTIC



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

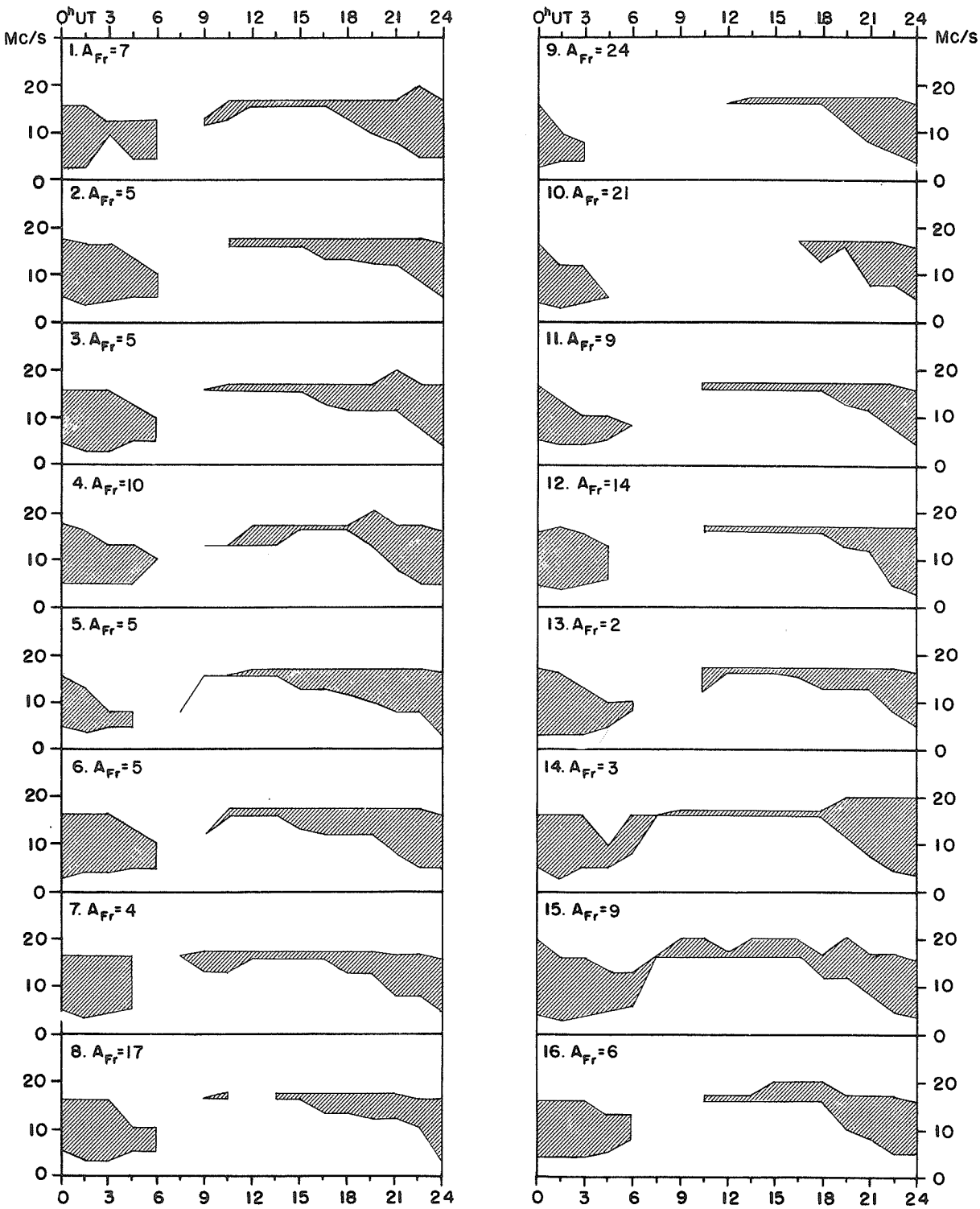
HIGH LATITUDE



VIIc

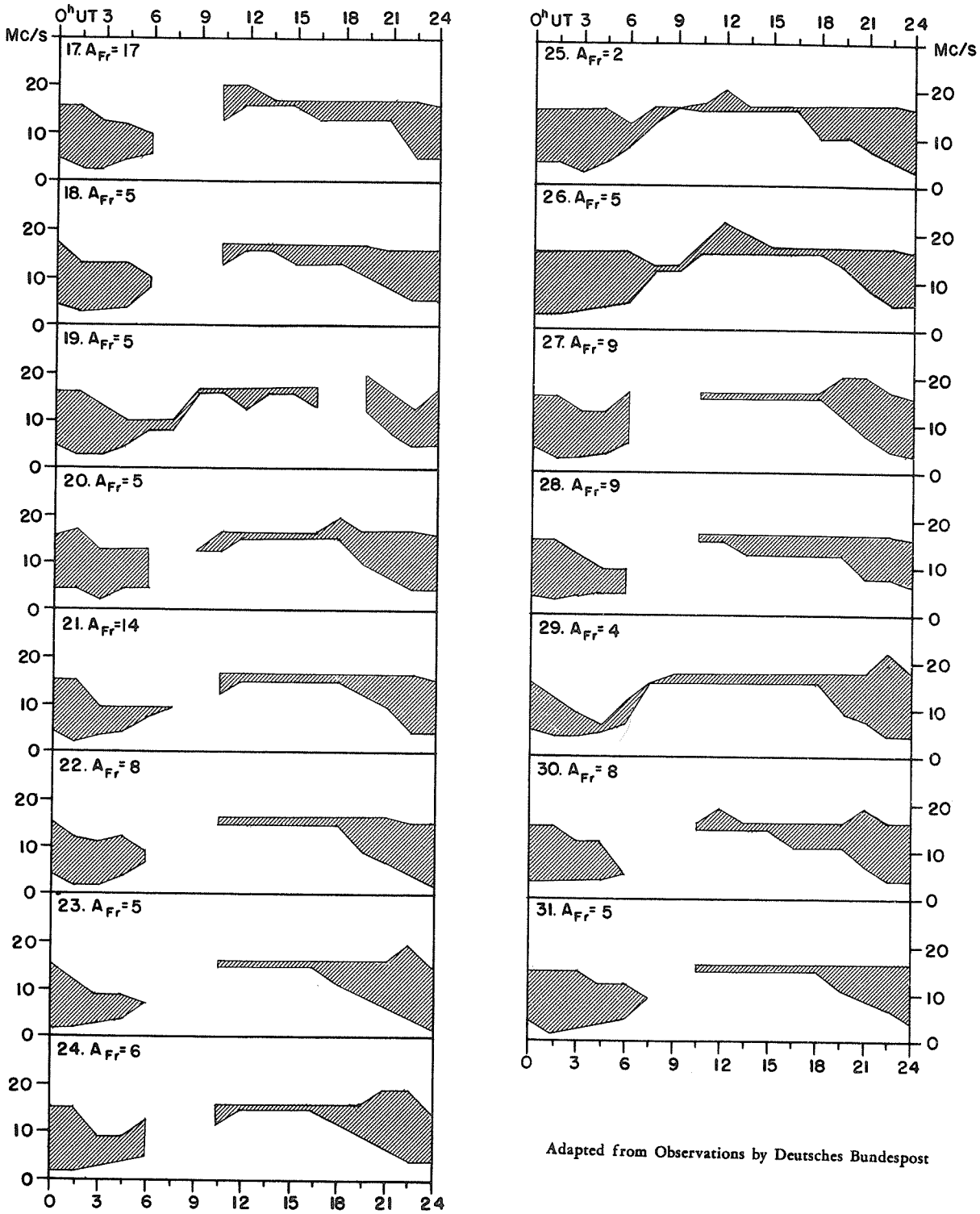
USEFUL FREQUENCY RANGES -- NORTH ATLANTIC PATH

JULY 1966



USEFUL FREQUENCY RANGES -- NORTH ATLANTIC PATH VIId

JULY 1966



Adapted from Observations by Deutsches Bundespost

ALERT PERIODS

INTERNATIONAL URSIGRAM AND WORLD DAYS SERVICE

AUGUST 1966

Aug. 1966	TIME OF ISSUE, UT	ADVANCE GEOPHYSICAL ALERT	WORLDWIDE GEOPHYSICAL ALERT			
			NO.	TYPE	TIMING	ELABORATION
17	0230*	ADALERTPRESTO TENFLARE Toyokawa 170030Z				
24	0400		382	Solar Activity	Exists	Gamma spot
25	0400		383	Solar Activity	Exists	
	1405*	ADALERTPRESTO TENFLARE Toyokawa 250619Z				
26	0400		384	Solar Activity	Exists	
27	0400		385	Solar Activity	Exists	Flares
28	0400		386	Solar Activity	Exists	
	1645	Sac Peak, Solar Flare 28/1530Z				
29	0400		387	Solar Activity	Exists	Flares
			388	Magnetic Storm	Expected	
30	0400		389	Solar Activity	Exists	
			390	Magnetic Storm	291316Z	
31	0400		391	Solar Activity	Exists	
			392	Magnetic Storm	Exists	

* Time when Alert was relayed by AGIWARN