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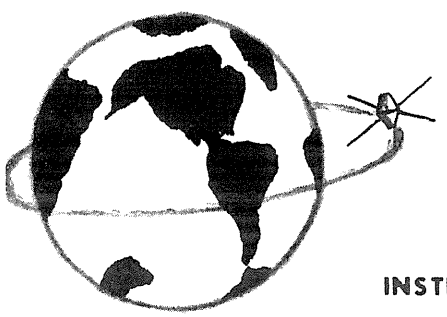
SOLAR-GEOPHYSICAL DATA

Issued: JULY 1966



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

CRPL-FB 263

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

ISSUED

31 JULY 1966

SOLAR-GEOPHYSICAL DATA

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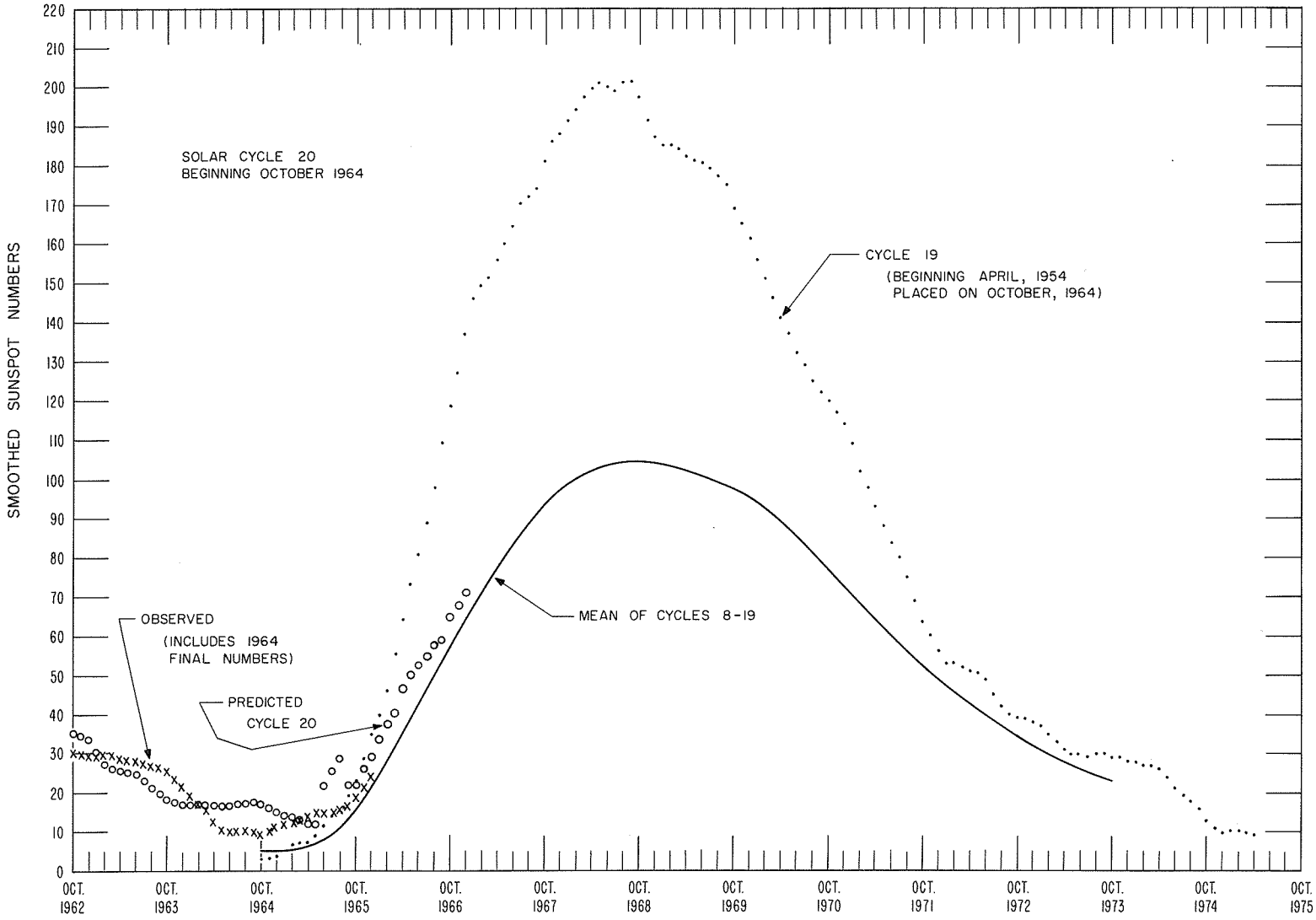
The descriptive text was republished in January 1966. Addenda have been given in the introduction to each of the CRPL-FB reports, April and May 1966.



PREDICTED AND OBSERVED SUNSPOT NUMBERS

RELATIVE SUNSPOT NUMBERS

ZURICH, R_Z

	1965						1966					
Day	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	18	0	20	52	29	13	18	7	25	64	50	71
2	20	0	20	63	28	8	17	9	11	58	48	74
3	19	15	21	60	20	8	16	20	11	74	57	41
4	17	14	22	62	13	8	15	17	18	74	61	60
5	8	0	22	55	13	8	8	17	12	55	38	43
6	17	16	19	39	29	8	7	17	14	59	23	43
7	22	7	23	27	40	8	7	16	10	70	13	38
8	29	31	22	7	46	15	13	13	9	65	16	35
9	33	12	18	8	38	7	13	10	15	47	8	33
10	29	14	15	13	41	7	7	11	13	37	0	25
11	35	16	19	8	40	0	8	14	10	25	14	43
12	30	13	17	9	26	0	0	8	0	27	14	34
13	23	8	17	8	17	14	17	16	0	24	23	34
14	12	7	8	7	16	0	30	12	0	29	52	31
15	11	0	8	0	10	14	36	16	9	29	46	22
16	8	0	16	7	9	22	57	13	26	35	47	40
17	7	0	8	0	7	21	50	19	44	40	33	46
18	0	7	9	0	0	20	64	24	53	40	27	39
19	0	7	7	10	0	18	68	32	60	24	34	33
20	0	7	0	12	0	15	63	39	54	37	57	42
21	0	7	0	15	0	10	52	41	49	40	80	29
22	0	0	0	26	7	11	44	50	52	56	66	34
23	0	0	11	23	0	9	38	55	40	69	68	59
24	0	8	17	16	7	8	41	42	31	58	68	63
25	7	0	13	24	0	12	27	37	23	56	64	80
26	0	8	17	17	7	23	19	36	18	54	70	78
27	7	14	24	17	0	29	16	35	10	40	66	69
28	0	12	23	9	8	64	14	31	12	40	60	52
29	0	16	37	8	8	64	19		35	48	39	47
30	9	15	50	8	15	44	28		42	52	58	55
31	7	22		14		38	15		52		56	
	11.9	8.9	16.8	20.1	15.8	17.0	26.7	23.5	24.5	47.5	43.7	46.4

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

AMERICAN, R_A'

	1965						1966					
Day	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	12	0	15	33	29	10	25	0	11	32	24	56
2	9	0	17	39	27	10	21	12	12	37	37	48
3	6	7	19	50	20	10	19	14	14	34	35	41
4	6	2	19	43	11	9	13	16	16	49	19	50
5	3	0	16	37	1	10	7	17	15	40	15	39
6	13	0	21	26	29	12	1	15	14	47	17	26
7	22	7	21	16	43	9	0	14	10	49	12	22
8	20	6	19	5	34	2	1	13	10	55	11	26
9	22	9	19	10	38	3	0	12	16	36	8	27
10	19	10	18	11	43	0	0	14	15	26	0	24
11	20	10	17	11	38	0	0	15	7	19	0	26
12	25	14	21	9	24	0	0	11	0	22	5	32
13	15	1	18	10	15	0	19	12	3	16	9	18
14	14	1	12	2	16	0	30	14	1	22	22	21
15	11	0	11	0	14	18	37	13	15	31	28	24
16	11	0	10	0	12	21	31	16	21	28	24	33
17	4	0	5	0	0	18	43	13	43	28	18	36
18	0	3	4	0	0	19	43	25	46	29	14	31
19	0	1	2	8	0	16	55	24	46	16	33	27
20	0	2	1	12	0	0	55	33	41	42	56	28
21	0	0	0	14	0	7	41	36	32	38	59	32
22	0	0	0	22	0	8	34	43	29	42	51	42
23	0	0	14	20	3	10	36	55	19	58	59	58
24	0	0	14	21	4	6	31	47	17	51	59	61
25	0	0	12	16	0	17	18	47	16	47	49	66
26	0	3	15	11	0	20	14	47	10	34	61	62
27	0	16	13	12	0	35	15	32	0	22	48	44
28	0	12	21	11	6	44	14	28	12	22	41	35
29	1	3	35	11	9	55	20		36	33	40	29
30	5	12	41	11	10	47	21		41	33	37	33
31	0	19		12		28	3		32		56	
Mean:	7.7	4.5	15.0	15.6	14.2	14.3	20.9	22.8	19.4	34.6	30.5	36.6

DAILY SOLAR FLUX AT 2800 Mc/s

OTTAWA ARO

OBSERVED FLUX,S

	1965						1966					
Day	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	76.0	72.0	75.4	92.0	78.8	75.4	82.0	79.9	81.2	106.9	90.3	101.9
2	75.6	73.0	75.9	93.2	79.5	75.0	78.9	79.2	78.0	106.4	92.5	101.0
3	76.2	77.3	76.6	96.0	81.1	74.9	78.5	79.8	77.1	102.1	92.4	99.7
4	75.9	78.4	76.7	97.5	79.8	74.5	80.5	81.3	76.7	102.5	91.0	99.1
5	75.4	76.3	78.7	91.6	78.0	75.4	80.0	82.9	76.0	101.9	87.0	98.7
6	78.5	78.8	77.1	85.2	80.7	76.2	79.7	84.5	76.6	104.0	86.0	98.9
7	81.5	79.6	77.7	83.6	85.2	75.3	80.9	85.1	77.4	102.6	88.2	94.1
8	81.0	77.3	78.6	82.8	80.4	76.7	80.6	84.6	77.5	107.0	86.2	96.6
9	81.4	77.6	76.1	83.3	82.0	75.0	80.1	85.2	79.6	100.0	85.9	95.9
10	80.3	76.1	75.6	80.4	84.1	75.3	79.8	86.0	79.6	94.4	84.9	93.9
11	79.9	76.7	75.7	76.0	84.2	75.6	80.9	85.8	79.0	93.5	86.6	93.2
12	78.2	75.9	75.3	74.8	80.8	75.9	84.0	85.4	79.3	94.4	90.7	93.0
13	76.3	74.8	75.0	75.8	77.3	74.0	87.2	86.1	81.0	92.6	91.0	93.1
14	74.7	73.7	75.2	74.7	76.0	74.7	93.2	86.1	82.3	90.5	95.1	93.9
15	74.5	72.5	74.9	73.8	76.5	76.8	101.9	85.4	88.1	95.7	97.1	91.8
16	72.1	73.8	73.7	72.3	74.0	77.6	106.0	84.7	93.8	92.6	97.9	94.9
17	71.9	72.4	73.8	72.5	74.3	78.4	101.7	84.1	106.2	94.5	96.7	96.4
18	71.9	73.2	73.0	72.2	75.0	78.4	104.8	84.1	110.6	92.1	96.4	95.1
19	72.5	74.3	72.8	71.8	73.4	76.8	108.6	83.0	115.5	88.2	104.6	93.8
20	73.0	73.7	72.8	72.7	72.7	74.5	102.3	84.7	111.9	92.6	112.8	91.3
21	72.6	73.6	72.5	73.3	72.2	74.1	98.9	87.6	121.2	90.8	120.6	90.5
22	71.5	72.9	71.2	76.2	71.8	72.3	94.7	87.9	105.8	92.4	118.1	93.0
23	70.9	73.0	71.8	78.7	71.3	72.7	93.5	84.5	96.8	97.8	111.1	96.0
24	70.1	72.7	76.1	76.3	71.2	71.2	91.8	83.7	93.5	102.5	114.7	100.2
25	70.0	72.2	75.8	77.9	70.6	72.1	88.1	80.9	91.6	102.6	112.2	101.5
26	69.4	72.0	77.0	78.2	71.8	76.9	85.4	84.8	85.0	100.0	109.4	102.1
27	70.0	74.5	78.4	78.0	74.1	83.7	82.4	84.8	83.4	95.6	105.6	97.5
28	70.6	73.2	80.5	77.2	77.0	83.8	80.5	85.7	87.9	93.6	-	98.1
29	71.1	74.2	87.3	76.7	73.9	84.7	80.7		96.4	93.1	103.2	96.5
30	71.1	75.0	89.0	76.2	75.1	81.9	78.7		99.2	91.9	98.8	97.4
31	70.7	74.9		78.1		80.8	77.7		110.6		102.7	
Mean:	74.3	74.8	76.3	79.6	76.8	76.5	87.9	84.2	90.3	97.2	98.3	96.3

FLUX ADJUSTED TO 1 A.U., Sa

	1965						1966					
Day	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	78.6	74.2	76.8	92.2	77.6	73.3	79.3	77.6	79.7	106.8	91.7	104.8
2	78.2	75.2	77.3	93.3	78.2	72.9	76.3	76.9	76.7	106.3	94.0	103.9
3	78.8	79.6	77.9	96.1	79.8	72.7	75.9	77.5	75.8	102.1	94.0	102.6
4	78.5	80.7	78.0	97.5	78.4	72.3	77.8	79.0	75.5	102.6	92.5	102.0
5	78.0	78.5	80.0	91.6	76.7	73.2	77.4	80.6	74.8	102.0	88.6	101.7
6	81.2	81.1	78.3	85.1	79.2	74.0	77.1	82.1	75.5	104.2	87.5	101.9
7	84.3	81.8	78.9	83.5	83.7	73.0	78.2	82.8	76.2	102.8	89.9	96.9
8	83.8	79.5	79.8	82.6	78.9	74.4	77.9	82.3	76.4	107.3	87.8	99.5
9	84.1	79.8	77.2	83.0	80.4	72.7	77.4	82.9	78.5	100.3	87.5	98.9
10	83.0	78.2	76.7	80.1	82.4	73.0	77.2	83.8	78.6	94.8	86.6	96.8
11	82.6	78.8	76.7	75.7	82.5	73.2	78.2	83.6	78.0	93.9	88.3	96.1
12	80.8	77.9	76.3	74.5	79.1	73.5	81.2	83.2	78.3	94.8	92.6	95.9
13	78.8	76.7	75.9	75.4	75.7	71.7	84.3	83.9	80.0	93.1	92.9	96.1
14	77.2	75.6	76.1	74.3	74.4	72.4	90.1	83.9	81.4	91.0	97.2	96.9
15	77.0	74.4	75.7	73.3	74.8	74.4	98.5	83.3	87.1	96.3	99.2	94.7
16	74.5	75.6	74.5	71.8	72.4	75.1	102.6	82.7	92.9	93.2	100.1	97.9
17	74.3	74.2	74.5	72.0	72.6	75.9	98.4	82.1	105.1	95.2	98.9	99.5
18	74.3	75.0	73.7	71.6	73.3	75.9	101.4	82.2	109.6	92.9	98.7	98.2
19	74.9	76.1	73.4	71.2	71.6	74.3	105.1	81.1	114.6	89.0	107.1	96.9
20	75.4	75.5	73.4	72.0	70.9	72.1	99.0	82.8	111.0	93.5	115.5	94.3
21	75.0	75.3	73.1	72.6	70.5	71.7	95.7	85.7	120.3	91.7	123.6	93.5
22	73.9	74.6	71.7	75.4	70.0	70.0	91.8	86.0	105.1	93.4	121.0	96.1
23	73.2	74.6	72.3	77.9	69.5	70.3	90.6	82.7	96.2	98.8	113.9	99.2
24	72.4	74.3	76.6	75.5	69.3	68.8	88.9	81.9	92.9	103.7	117.7	103.5
25	72.3	73.8	76.2	77.0	68.8	69.7	85.4	79.3	91.1	103.8	115.1	104.8
26	71.7	73.5	77.4	77.3	69.9	74.4	82.7	83.1	84.7	101.3	112.3	105.6
27	72.3	76.0	78.7	77.0	72.1	80.9	79.9	83.2	83.1	96.0	108.5	100.8
28	72.9	74.7	80.8	76.2	74.9	81.0	78.1	84.1	87.6	94.9	-	101.4
29	73.4	75.7	87.6	75.6	71.9	81.9	78.3		96.1	94.5	106.8	99.8
30	73.4	76.4	89.3	75.1	73.0	79.2	76.3		99.0	93.3	101.6	100.7
31	73.0	76.3		76.9		78.1	75.4		110.4		105.6	
Mean:	76.8	76.6	77.2	79.1	75.1	74.1	85.0	82.1	89.4	97.8	100.6	99.4

CALCIUM PLAGE AND SUNSPOT REGIONS

JUNE 1966

JUNE 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	
1.5	S28	8324	New	(500)	(2.0)	b - d	1	5/29	1			
1.7	N28	8320(1)	8284	1100	1.5	ℓ ⅂ ℓ	3	5/26	12	10	4	b - d
2.1	N17	8323	8285	400	1.0	ℓ ∧ ℓ	2	5/27	10			
2.7	N32	8329	New	1200	3.0	b ∧ ℓ	1	5/31	8	60	11	b ∧ d
3.2	S11	8333	New	200	1.0	b - d	1	6/2	4	10	2	b - d
3.8	N33	8330	New	1300	3.0	b ∧ ℓ	1	5/31	11	(10)	(1)	b ⅂ d
4.2	N17	8326	8290	1900	3.0	ℓ ∧ ℓ	2	5/29	13	10	11	b - d
5.8	S22	8328	8303	1000	2.5	ℓ ∟ ℓ	2	5/30	13	(10)	(2)	ℓ ⅂ d
5.8	N30	8331	8297	800	1.5	ℓ ⅄ ℓ	2	5/29	13	(10)	(1)	b - d
8.9	N23	8332	8296	2600	2.5	ℓ ∟ ℓ	2	6/1	15	30	5	ℓ ∧ ℓ
11.1	N20	8334(2)	8294	2700	2.5	ℓ ∧ ℓ	4&5	6/4	14	(10)	(1)	b - d
12.2	N18	8335(2)	8294	900	2.0	ℓ ⅄ ℓ	4&5	6/6	13			
13.4	N24	8336(2)	8294	4500	3.0	ℓ ∧ ℓ	4&5	6/7	13	170	33	ℓ ∧ d
15.2	N29	8339(3)	8300	700	2.0	ℓ ∧ ℓ	3	<6/10	>12			
16.0	N12	8347	New	(300)	(1.5)	b ⅄ d	1	6/18	3			
17.1	S22	8338	8302	3600	2.5	ℓ ∧ ℓ	2	6/10	13			
17.9	N17	8340(4)	New	1500	3.0	b ⌐ ℓ	1	6/15	9	130	24	b ∧ ℓ
18.8	S24	8341	New	500	1.5	b ⁄ d	1	6/16	7	10	3	b - d
18.8	N30	8346	New	300	2.0	b ⅂ d	1	6/17	3			
19.6	N18	8352	New	(100)	(2.0)	b - d	1	6/20	3	10	4	b - d
20.1	N26	8342(5)	8309	700	1.5	ℓ ⌐ d	3	<6/16	>7			
20.1	S26	8356	New	(100)	(1.5)	b - ℓ	1	6/24	2			
20.5	N18	8353	New	200	3.0	b - d	1	6/20	5	(10)	(3)	b - d
21.6	N15	8343	8310	700	2.0	ℓ ∟ ℓ	2	6/16	12			
22.5	N28	8345(6)	8309	500	2.0	ℓ ⌟ ℓ	1&3	6/16	13	(10)	(5)	b ∧ ℓ
23.1	S01	8357	New	(100)	(1.0)	b - d	1	6/24	2			
23.3	N23	8344	New	2400	3.0	ℓ ⌐ ℓ	1	6/16	15	20	1	ℓ ∟ d
24.3	N31	8351	8312	1000	2.5	ℓ ⅂ ℓ	3&4	6/19	13			
25.0	N21	8350	8314	800	1.5	ℓ ∧ ℓ	2	6/19	13	40	7	b ∧ d
25.1	S24	8348	New	1000	3.0	ℓ ∧ ℓ	1	6/19	13	90	20	b ∧ ℓ
25.7	N38	8378	New	(300)	(2.5)	b ⁄ ℓ	1	7/1	4			
25.9	N05	8349	8318	300	1.0	ℓ ∧ d	2	6/19	7			
26.0	S04	8354	New	(100)	(1.0)	b ⅄ d	1	6/21	3			
28.0	N23	8355	8319	600	2.0	ℓ ∟ ℓ	4	6/21	12			
28.3	S26	8359	New	700	3.0	b ⌐ d	1	6/25	9			
28.6	S06	8364	New	500	1.0	b - d	1	6/27	2			
29.5	N21	8370	New	600	1.5	b ⁄ ℓ	1	6/28	8			
30.0	S27	8360	New	(100)	(1.5)	b - d	1	6/25	3			
30.0	N01	8380	New	(200)	(1.0)	b - d	1	7/2	2			
30.3	S15	8365	New	200	1.0	b - d	1	6/27	4			

(1) Region 8320 is part of region 8284.
(2) Regions 8334, 8335 and 8336 are parts of region 8294.
(3) Region 8339 is part of region 8300.
(4) Region 8340 appeared in the location of region 8304.
(5) Region 8342 is part of region 8309.
(6) Region 8345, which underwent a resurgence on the disk when near CMP, is part of 8309 and partly new.

No calcium plage observations were secured at McMath-Hulbert Observatory on June 9, 1966.

MT. WILSON MAGNETIC CLASSIFICATIONS OF SUNSPOTS

JUNE 1966

JUNE 1966	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
1	2130	N32	E12	βf	16042
		N30	E22	βγ	16043
		N14	E29	βf	16044
		S21	E46	αp	16045
2	No Obs.				
3	2320	N33	W13	βp	16042
		N13	E02	βp	16044
		N21	E57	βf	16046
		N24	W29	βp	16047
4	1715	N33	W25	βp	16042
		N14	W17	βp	16044
		N22	E49	βp	16046
		N24	W39	β	16047
		N21	W50	βf	16048
		N36	E10	αf	16049
5	2240	N32	W41	αp	16042
		N14	W24	αp	16044
		N21	E34	βp	16046
		N20	W64	αf	16048
6	2120	N32	W53	αp	16042
		N14	W32	αf	16044
		N21	E22	βp	16046
		N24	W67	αf	16050
		N32	W41	βf	16051
7	2135	N32	W65	αp	16042
		N22	E09	βp	16046
		N32	W57	αp	16051
		N21	E69	βp	16052
8	No Obs.				
9	2145	N21	W19	αp	16046
		N20	E42	βγ	16052
10	2230	N22	W31	αp	16046
		N20	E31	βγ	16052
11	1705	N21	W42	αp	16046
		N21	E21	βγ	16052
12	2140	N22	W57	αp	16046
		N21	E06	βγ	16052
13	1600	N22	W03	βγ	16052
14	2355	N21	W20	βγ	16052
		N25	W57	βp	16053
15	1800	N21	W30	β	16052
		N24	W71	αp	16053
		N17	E27	βγ	16054
16	2215	N21	W45	βp	16052
		N16	E12	βf	16054
		N22	E79	αf	16055
		S22	E23	αf	16056
17	1825	N22	W57	αp	16052
		N17	E01	βf	16054
		N23	E68	αf	16055
		S24	E16	αp	16056
18	2315	N18	W15	βγ	16054
		N23	E54	αf	16055
19	No Obs.				
20	2320	N20	W42	βf	16054
		N23	E28	αp	16055
		N18	W14	αp	16057
	*	N17	W05	βf	16058
21-28	No Obs.				
29	0105	S23	W54	βf	16061
		N15	E24	βf	16063
		N35	E35	β	16064
		S24	W07	βf	16065
30	No Obs.				

* Grating drive out and other obs.

SOLAR FLARES

JUNE 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 JUNE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
HALE	01	0100	0123	0110	N25	W45		8314		23	SN	1	C	0110	.10	.20			
LOCK	01	0102	0128	0112	N26	W44		8314		26	SN		C	0112	.50	.80		10	
MANI	01	0317	0328	0319	N18	E89		8332		11	SB	3		0319	.21	.70			
WEND	01	0535	0546		N31	E33		8330		11	SN								
ARCE	01	0735E	0810D		N12	E38		8326		35D	SN		C	0735	.83	1.10			H
MCMA	01	1205	1231	1208	N32	E28		8330		26	SN		C	1208	.41	.60			EH
HUAN	01	1406	1414	1408	N31	E30		8330		8	SF	2	C	1408	.25	.28			D
MCMA	01	1408	1515D	1413	N32	E27		8330		67D	SN		C	1413	.62	.90			E
HUAN	01	1449	1512	1456	N31	E30		8330		23	SN	1	C	1456	.95	1.07			F
MCMA	01	1542	1548	1543	N32	E23		8330		6	SN		C	1543	.21	.30			D
HALE	01	1634	1657	1640	N33	E26		8330		23	SB	2	C	1640	.20	.30			
HUAN	01	1636	1642D		N31	E28		8330		6D	SF	1	P	1638	.25	.28			D
LOCK	01	1636	1648	1639	N32	E27		8330		12	SF		C	1639	.20	.30		10	
SACP	01	1820	1824E	1821	S20	E50		8328		4	SF		P		.59	.80			
SACP	01	1849	1855	1851	N21	W80		8312		6	SF		C		.17				
SACP	01	1901	1910	1904	N17	E48		8326		9	SN		C		.08	.11			
HALE	01	2238E	0108	0035	N35	W76		8312		150D	SN	2	C	0035	.26				K
MCMA	01	2253E	2258D		N23	E90		8332		5D	SN		P	2257	.41				E
SACP	01	2253E	2300	2253U	N23	E90		8332		7D	SN		P		.34				
LOCK	01	2313	2324	2318	N32	E22		8330		11	SN		C	2318	.30	.40		10	
HALE	01	2315	2327	2317	N33	E21		8330		12	SB	2	C	2317	.36	.50			E
SACP	01	2321E	2333	2321U	N32	E22		8330		12D	SN		P		.68	.77			
SACP	01	2327	2336	2331	S21	E45		8328		9	SF		P		.17	.21			
LOCK	02	0129	0140	0132	N22	E19		8330		11	SN		C	0132	.30	.30		10	
MANI	02	0412	0442	0418	N30	E22		8330		30	1F	3		0418	1.91	2.42			
MANI	02	0753	0815	0800	N31	E17		8330		22	SF	2		0800	.31	.38			
ARCE	02	0800E	0840		N36	E20		8330		40D	SF		C	0800	.63	.80			
CATA	02	0805E	0815D	0805	N34	E20		8330		10D	SN			0805	.37	.50		153	
CATA	02	0805E	0815D	0805	N21	E80		8332		10D	SF			0805	.37			136	
ARCE	02	0805E	0815D		N23	E88		8332		10D	SN		C	0805	.23	1.10			
ARCE	02	0910	0923	0915	N32	E16		8330		13	SN		C	0915	.50	.60			
MCMA	02	1132	1158	1134	N33	E04		8329		26	SN		C	1134	.72	.90			E
SACP	02	1307	1317	1312	N13	E23		8326		10	SN		C		.76	.79			
HUAN	02	1307E	1319D	1312	N13	E22		8326		12D	SF	1	C	1312	.31	.31			E
CLMX	02	1308	1318	1310	N11	E21		8326		10	SF		C	1310	.30	.30			
MCMA	02	1308	1320	1310	N12	E21		8326		12	SN		C	1310	.41	.50			EH
HUAN	02	1411	1432	1425	N06	W47		8318		21	SB	2	C	1425	.52	.62			E
CLMX	02	1422	1432	1423	N04	W46		8318		10	SB		C	1423	.30	.36			
SACP	02	1422	1432	1424	N04	W47		8318		10	SN		C		1.02	1.27			
MCMA	02	1423	1430	1425	N03	W47		8318		7	SB		C	1425	.41	.60			EH
MCMA	02	1558	1625	1608	N33	E01		8329		27	SN		C	1608	.62	.70			E
HUAN	02	1605	1616	1609	N33	E02		8329		11	SF	2	C	1609	.25	.26			D
HUAN	02	1614	1627	1618	N05	W49		8318		13	SN	2	C	1618	.31	.39			E
LOCK	02	1614	1638	1618	N05	W47		8318		24	SN		C	1618	.40	.60		20	J
SACP	02	1615	1624	1618	N04	W49		8318		9	SN		C		.42	.54			
MCMA	02	1628	1635	1629	N03	W48		8318		7	SN		C	1629	.31	.50			E
HALE	02	1631E	1701		N04	W49		8318		30D	SB	2	P	1631	.5	.10			
LOCK	02	1725	1736	1729	N05	W47		8318		11	SN		C	1729	.50	.80		20	J
MCMA	02	1726	1734	1730	N03	W49		8318		8	SB		C	1730	.41	.60			E
HUAN	02	1726	1739	1730	N05	W49		8318		13	SF	2	C	1730	.37	.47			E
CLMX	02	1727	1732	1729	N04	W46		8318		5	SF		C	1729	.30	.36			
SACP	02	1727	1738	1730	N03	W48		8318		11	SN		C		.60	.81			
SACP	02	1736	1750	1743	N34	E14		8330		14	SN		C		.85	.95			
HALE	02	1737	1750	1742	N34	E13		8330		13	SN	2	C	1742	.31	.40			E
SACP	02	1803	1813	1807	S23	E42		8328		10	SF		C		.34	.42			
HALE	02	1827	1857	1830	N04	W49		8318		30	SB	2	C	1830	.26	.40			
LOCK	02	1858	1915	1902	N05	W47		8318		17	SB		C	1902	.80	1.20		30	J
SACP	02	1859	1910	1903	N03	W50		8318		11	SN		C		.51	.66			
HUAN	02	1900	1911	1903	N05	W50		8318		11	SN	2	C	1903	.37	.47			E
MCMA	02	1901	1910	1902	N03	W50		8318		9	SB		C	1902	.52	.80			E
LOCK	02	2103	2113	2106	N31	E09		8330		10	SF		C	2106	.30	.40		10	
MCMA	02	2246E	2258D		N34	W76		8312		12D	SN		P	2250	.26				D
LOCK	02	2358	0005	0000	N35	W73		8312		7	SN		C	0000	.30	.90		10	
LOCK	03	0010	0022	0013	N35	W73		8312		12	SF		C	0013	.30	.90		10	J
HALE	03	0300	0323	0312	N34	W76		8312		23	SN	2	C	0312	.20				
CAPS	03	0615	0626		N23	E62		8332		11	SN	3		0621	.50	1.20		161	GD
ARCE	03	0840	0858	0850	N04	W59		8318		18	SN		C	0850	.30	.60			
CATA	03	0843E	0858D	0847	N04	W60		8318		15D	SN			0847	.54	1.00		190	
ISTA	03	0845	0855		S12	W60				10	1								
ARCE	03	0955	1016D		N23	W80		8314		21D	SN		C	1016	.33	1.00			
HUAN	03	1225	1239	1235	N33	W88		8312		14	SF	2	C	1235	.21				D
HUAN	03	1249	1306	1255	N34	W88		8312		17	SF	2	C	1255	.25				D
CLMX	03	1319	1326	1320	N04	W54		8318		7	SB		C	1320	.30	.42			
SACP	03	1547	1607D	1552	S21	E30		8328		20D	SN		C		.76	.84			
HALE	03	1858	1920	1910	N14	E06		8326		22	SN	2	C	1910	.21	.21			
LOCK	03	1859	1915	1903	N14	E06		8326		16	SF		C	1903	.40	.40		10	
HUAN	03	1859	1915	1908	N14	E07		8326		16	SF	2	C	1908	.25	.25			D
MCMA	03	1900	1913D		N14	E06		8326		13D	SN		C	1910	.21	.21			D
SACP	03	1902	1919	1907	N14	E06		8326		17	SF		C		.26	.25			
HALE	03	1919	1944	1922	N24	W27		8320		25	SN	2	C	1922	.10	.11			
LOCK	03	1920	2000	1947	N25	W28		8320		40	SF		C	1947	.20	.30		10	
HUAN	03	2108	2114	2110	N13	E06		8326		6	SF	2	C	2110	.37	.37			E
MCMA	03	2147	2259D		N14	E05		8326		72D	SN		C	2202	.83	.82			EH
LOCK	04	0030	0053	0042	N13	W07		8326		23	SF		C	0042	.30	.30		10	
SACP	04	0033	0052	0040	N12	W06		8326		19	SN		C		.34	.34			
KANZ	04	0714	0717D		N15	E02		8326		3D	SF								D
ARCE	04	0915	0935D	0915	N31	W06		8330		20D	SB		C	0915	.86	1.00			

SOLAR FLARES

JUNE 1966

OBSERVATORY	OBSERVED UT DATE 1966 JUNE	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
HUAN	04	1155E	1201		N33	W90		8312		6D	SF	1	P	1156	.37				
HUAN	04	1206	1248	1223	N33	W90		8312		42	1N	2	C	1223	.77				
ONDR	04	1225E	1251		N33	W90		8312		26D	1N		V	1227			5.00		AG
ONDR	04	1300	1338		N33	W90		8312		38	1F		V	1321			4.00		AG
HUAN	04	1301	1347	1323	N33	W90		8312		46	SN	2	C	1323	.52				
HUAN	04			1336										1336	.57				
MCMA	04	1343E	1353D		N32	W22		8329		10D	SN		C	1345	.62	.80			EH
HALE	04	1617	1633	1623	N14	W06		8326		16	SN	1	P	1623	.31	.32			TE
LOCK	04	1856	1918	1905	N35	W14		8330		22	SF		C	1905	.40	.50		10	
SACP	04	2215	2230	2224	S20	E13		8328		15	SN		C		.51	.52			
LOCK	05	0036	0044	0038	N13	W18		8326		8	SN		C	0038	.50	.60		10	
SACP	05	0041	0047	0043	N12	W20		8326		6	SF		C		.51	.52			
ARCE	05	0920	0955D	0930	N12	W17		8326		35D	SF		C	0930	1.05	1.10			
SACP	05	1607	1620	1611	N33	W30		8330		13	SN		C		.34	.40			
LOCK	05	1608	1620	1612	N36	W29		8330		12	SN		C	1612	.20	.30		20	
SACP	05	1905	1919	1910	N24	E90		8335		14	SN		C		.17				
HUAN	05	1906	1919	1910	N22	E90		8335		13	SF	2	C	1910	.21				D
LOCK	05	2128	2141	2132	N25	W70		8319		13	SF		C	2132	.40	1.00		10	
MCMA	05	2130	2135D	2132	N21	W70		8319		5D	SN		C	2132	.52	1.20			D
SACP	05	2130	2140	2133	N20	W68		8319		10	SF		C		.51	.98			
MCMA	05	2150	2205D	2155	N13	W32		8326		15D	SN		C	2155	.21	.30			EH
ARCE	06	0840E	0910D		N21	E90		8335		30D	1N		C	0845	.59	3.30			
ARCE	06	0930E	1000D		N21	E90		8335		30D	SN		C	0955	.26	1.50			
HUAN	06	1154	1200	1156	N22	W76		8319		6	SF	1	C	1156	.21				D
HUAN	06	1206	1216	1209	N22	W77		8319		10	SF	2	C	1209	.25				D
HUAN	06	1308	1327	1314	N21	W80		8319		19	SF	2	C	1314	.25				D
HUAN	06	1347	1434	1357	N21	W80		8319		47	SF	2	C	1357	.52				
HUAN	06	1449	1532	1456	N21	W81		8319		43	SN	2	C	1456	.31				D
SACP	06	1453	1504	1458	N20	W80		8319		11	SN		C		.34				
MCMA	06	1455	1504	1457	N20	W87		8319		9	SN		C	1457	.36				D
LOCK	06	1740	1755	1745	N25	W80		8319		15	SF		C	1745	.20	.60		10	
HUAN	06	1900	1913	1906	N20	W85		8319		13	SF	2	C	1906	.31				D
MCMA	06	1906E	1919		N20	W89		8319		13D	SN		P	1910	.52				BE
LOCK	06	2130	2205	2137	N36	W40		8330		35	SF		C	2137	.40	.60		10	
LOCK	06			2155										2155	.40	.60			
SACP	06	2345	2355	2350	S22	W11		8328		10	SN		C		.85	.88			
MANI	06	2354E	2358D		S20	W10		8328		4D	SF	2		2355	.31	.33			
KANZ	08	1043E	1052		N33	W60		8330		9D	SF								D
HUAN	08	1204	1236	1212	N32	W66		8330		32	SN	2	C	1212	.57				E
SACP	08	1211E	1220	1213	N31	W62		8330		9D	1		P		1.49	2.60			
HUAN	08	1522	1535	1530	N32	W68		8330		13	SF	2	C	1530	.25				D
HALE	09	0316	0330	0321	N35	W76		8330		14	SN	1	C	0321	.21				
SACP	09	1358	1417	1402	N30	W10		8332		19	SF		C		.51	.53			
SACP	09	1356	1452	1404	N23	E49		8336		56	1F		C		1.78	2.37			
HUAN	09	1357	1409	1400	N21	E52		8336		12	SF	2	C	1400	.37	.51			E
KANZ	09	1417E	1440		N22	E46		8336		23D	1F								FL
HUAN	09	1419	1438	1423	N21	E50		8336		19	SN	2	C	1423	.31	.42			EH
LOCK	09	2133	2200	2145	N33	W82		8330		27	SF		C	2145	.30	1.00		10	
SACP	09	2146E	2147D	2147U	N30	W80		8330		1D	SN		P		.34				
HUAN	09	2145	2159D		N32	W88		8329		14D	SF	1	C	2151	.31				D
HALE	09	2256	2310	2259	N22	E40		8336		14	SN	1	C	2259	.21	.30			
SACP	10	0128	0136D	0136U	N22	E40		8336		8D	1F		P		1.72	2.06			
HALE	10	0131	0220	0137	N25	E41		8336		49	SN	1	C	0137	.62	.90			TE
MANI	10	0310	0320	0312	N18	E43		8336		10	SF	2		0312	.36	.52			
LOCK	10	1616	1650	1622	N28	W41		8332		34	SF		C	1622	.60	.90		10	
KANZ	11	0848	0915D		N24	E25		8336		27D	SF								
ARCE	11	0910E	0950D	0920	N22	E25		8336		40D	SN		C	0920	.48	.60			DH
MONT	11	1036	1112		N20	E27		8336		36	2N			1045	3.09	6.00			HM
MONT	11	1133	1155		N23	E29		8336		22	1B			1140	1.55	2.50			
MCMA	11	1136	1220	1138	N22	E23		8336		44	SN		C	1138	1.03	1.20			EH
CATA	11	1144E	1153D	1149	N23	E24		8336		9D	SN			1149	.62	.70		159	
MCMA	11	1150	1208	1200	N20	E25		8336		18	SB		C	1200	.52	.60			DH
MONT	11	1210			N21	E26		8336			1N			1215	2.06	3.00			
MCMA	11	1348E	1420		N20	E25		8336		32D	SF		C	1351	.21	.30			DH
HUAN	11	1550	1601	1554	N20	E18		8336		11	SF	2	C	1554	.52	.52			DH
SACP	11	1551	1605	1556	N20	E17		8336		14	SN		C		.85	.88			
LOCK	11	1551	1605	1554	N20	E18		8336		14	1N		C	1554	2.00	2.20		20	H
MCMA	11	1552	1613	1554	N21	E17		8336		21	SB		C	1554	.46	.50			EHK
SACP	11	1641	1701	1653	N20	W42		8332		20	SN		C		.34	.41			
HUAN	11	1650	1655	1652	N22	W42		8332		5	SF	2	C	1652	.31	.37			D
LOCK	11	1651	1657	1653	N24	W41		8332		6	SN		C	1653	.60	.80		20	
LOCK	11	1704	1735	1710	N22	E22		8336		31	SF		C	1710	.50	.60		10	J
HUAN	11	1706	1715	1709	N24	E21		8336		9	SF	2	C	1709	.21	.21			D
MCMA	11	1707	1717	1708	N24	E19		8336		10	SN		C	1708	.31	.40			E
LOCK	11	1735	1758	1740	N27	W33		8332		23	SF		C	1740	.40	.50		10	
LOCK	11	1820	1840	1830	N21	E01		8334		20	SF		C	1830	.30	.30		10	
LOCK	11	1935	2010	1950	N22	E22		8336		35	SF		C	1950	.50	.60		10	J
LOCK	11	1940	1958	1945	N25	W17		8334		18	SN		C	1945	.50	.60		10	
HUAN	11	2028	2042	2032	N23	E20		8336		14	SF	1	C	2032	.62	.64			E
SACP	11	2028	2045	2033	N23	E20		8336		17	SF		C		.77	.81			
LOCK	11	2029	2049	2034	N22	E21		8336		20	SN		C	2034	.90	1.00		20	J
MCMA	11	2030	2044	2034	N24	E19		8336		14	SB		C	2034	.72	.80			E
HALE	11	2031	2043	2033	N24	E18		8336		12	SN	1	C	2033	.41	.50			

SOLAR FLARES

JUNE 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS				REMARKS
	DATE 1966 JUNE	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	11	2057	2131	2115	N21	E23		8336		34	SN		C		.42	.45			
├MCMA	11	2110	2127	2115	N22	E23		8336		17	SN		C	2115	.26	.30			E
└LOCK	11	2110	2130	2115	N19	E24		8336		20	SN		C	2115	.50	.60		10	J
MCMA	11	2200E	2228D		N23	E18		8336		28D	SN		C	2215	.21	.21			D
┌LOCK	11	2248	2340	2305	N19	E24		8336		52	SN		C	2305	.50	.30		10	J
├SACP	11	2310	2358D	2350	N21	E22		8336		48D	SN		C		1.62	1.71			
├LOCK	11	2345	2400	2350	N21	E20		8336		15	SF		C	2350	.30	.30		10	J
├LOCK	11	2348	0003	2351	N19	E24		8336		15	SB		C	2351	1.30	1.60		30	J
├HALE	11	2349	2359	2352	N21	E20		8336		10	SN	1	C	2352	1.03	1.20			
└MANI	11	2352E	0006D	2355	N20	E23		8336		14D	SF	1		2355	.60	.68			
MANI	12	0318	0400	0330	N18	E41		8339		42	1N	3		0330	1.34	2.01			
WEND	12	0613	0626		N23	E14		8336		13	SN								
┌WEND	12	0632	0643		N23	E14		8336		11	SB								
└CATA	12	0635E	0640D	0636	N23	E14		8336		5D	SN			0636	.17	.20		182	
MONT	12	0901	0945		N22	E14		8336		44	1N			0920	2.06	4.00			
┌MONT	12	1010	1040		N22	E14		8336		30	SN			1015	1.03	2.00			
└KANZ	12	1025E	1039D		N23	E15		8336		14D	SF								BF
MONT	12	1058	1145D		N22	E13		8336		47D	1N			1115	2.06	4.00			
┌HUAN	12	1308	1333		N27	W50		8332		25	SF	1	C	1314	.45	.60			D
├SACP	12	1309	1343	1313	N25	W50		8332		34	SF		C		.59	.82			
└MCMA	12	1310	1342	1315	N26	W52		8332		32	SN		C	1315	.41	.80			D
┌HUAN	12	1343	1350	1344	N23	E10		8336		7	SN	1	C	1345	.25	.25			D
├SACP	12	1343	1351	1345	N22	E10		8336		8	SF		C		.77	.79			
└MCMA	12	1344	1349D	1345	N23	E09		8336		5D	SN		C	1345	.26	.30			D
┌HUAN	12	1600	1621	1603	N23	E10		8336		21	SB	1	C	1603	1.01	1.00			E
├SACP	12	1601	1621	1606	N23	E09		8336		20	SN		C		1.87	1.93			
├LOCK	12	1601	1625	1604	N23	E12		8336		24	SB		C	1604	1.40	1.50		30	
├MCMA	12	1602	1630	1603	N23	E10		8336		28	SB		C	1603	1.03	1.10			EV
└HALE	12	1605E	1626	1605U	N23	E08		8336		21D	SB	2	P	1605	.83	.90			E
CLMX	12	1608E	1627		N10	E22				19D	SB		C	1611	.50	.50			
┌LOCK	12	1801	1814	1805	N22	E08		8336		13	SF		C	1805	.30	.30		10	
└MCMA	12	1804	1811	1805	N23	E09		8336		7	SN		C	1805	.26	.30			D
┌HUAN	12	2032	2048	2034	N23	E07		8336		16	SN	1	C	2034	.58	.58			E
├LOCK	12	2032	2055	2034	N23	E07		8336		23	SN		C	2034	.90	1.00		20	
├HALE	12	2033	2046	2038	N22	E05		8336		13	SN	1	C	2038	.62	.70			
├MCMA	12	2033	2049	2035	N23	E08		8336		16	SB		C	2035	.52	.60			E
└SACP	12	2033E	2049	2035	N23	E07		8336		16D	SF		C		1.11	1.14			
┌LOCK	12	2142	2200	2150	N23	E07		8336		18	SF		C	2150	.50	.60		10	J
├HUAN	12	2145	2154		N22	E06		8336		9	SF	1	P	2147	.25	.25			D
├MCMA	12	2145	2158	2148	N23	E08		8336		13	SF		C	2148	.26	.30			D
└HALE	12	2145	2159	2150	N22	E04		8336		14	SF	1	C	2150	.31	.32			
┌MANI	12	2255	2309	2258	N20	E09		8336		14	SN	2		2258	.65	.70			
└LOCK	12	2255	2316	2300	N23	E06		8336		21	SF		C	2300	.50	.90		10	
┌LOCK	13	0010	0042	0016	N23	E06		8336		32	SN		C	0016	.80	.90		20	
├HALE	13	0010	0132D	0016	N23	E03		8336		82D	SN	1	P	0016	.31	.32			FK
├HALE	13	0010	0132D	0106	N23	E03		8336		82D		1	P	0106	1.03	1.10			
├MITK	13	0012	0024	0017	N23	E05		8336		12	SN		C	0017	1.75	1.90		140	F
├MANI	13	0015E	0035	0017	N22	E08		8336		20D	SN	2		0017	.80	.87			
├SACP	13	0016	0139E	0107	N23	E05		8336		83	1N		P		2.39	2.46			
├MANI	13	0044	0056	0046	N22	E07		8336		12	SN	2		0046	.52	.56			
├LOCK	13	0100	0135	0110	N23	E05		8336		35	SB		C	0110	1.00	1.10		30	
├MITK	13	0101	0130	0105	N23	E04		8336		29	1N		C	0105	1.96	2.10		160	F
└MANI	13	0102	0137	0109	N22	E07		8336		35	SN	2		0109	1.70	1.85			
HALE	13	0143	0150	0148	N23	E03		8336		7	SN	1	C	0148	.52	.60			TE
┌HALE	13	0237	0254	0241	N23	E03		8336		17	SN	1	C	0241	.83	.90			TE
├MITK	13	0238	0325	0259	N23	E03		8336		47	1N		C	0259	2.68	2.90		160	E
├HALE	13	0256	0312	0301	N23	E02		8336		16	1N	1	C	0312	2.06	2.20			T
└MANI	13	0257	0322	0305	N22	E05		8336		25	1N	3		0305	3.11	3.35			
┌MANI	13	0347	0359	0353	N22	E04		8336		12	SF	1		0353	1.30	1.40			
└HALE	13	0347	0417	0353	N23	E04		8336		30	SF	1	C	0353	1.03	1.10			THS
┌MANI	13	0422	0507	0426	N22	E03		8336		45	SN	2		0426	1.21	1.30			
├MANI	13			0431															
├HALE	13	0433	0502D	0445	N23	E02		8336		29D	SB	1	P	0445	1.24	1.30			TE
└MITK	13	0434	0510	0449	N23	E05		8336		36	SN		C	0449	1.34	1.40		140	D
┌WEND	13	0512E	0628D		N22	E07		8336		76D	1N		V		5.16				
├MITK	13	0535	0620	0545	N23	E03		8336		45	1F		C	0545	3.20	3.50		130	F
├CATA	13	0540E	0755D	0713	N23	E00		8336		135D	1B		C	0713	3.53	3.80		234	
└MANI	13	0600	0625	0610	N22	E02		8336		25	SF	2		0610	1.34	1.40			
┌MANI	13	0640	0740	0649	N22	E02		8336		60	1N	2		0649	2.09	2.23			
├MITK	13	0640	0747	0710	N23	W02		8336		67	1N		C	0710	4.02	4.40		160	F
├WEND	13	0642	0715D		N22	E05		8336		33D	2N		V		9.28				
├CAPS	13	0644	0743		N23	E04		8336		59	1N	3		0646	4.50	5.00		180	GF
├MONT	13	0658E	0725D		N22	E01		8336		27D	1B			0658	2.02	3.00			
└KANZ	13	0722E	0808		N22	E01		8336		46D	1N			0723			2.50		BF
┌SACP	13	1251	1308	1256	N23	W04		8336		17	SF		C		.86	.88			
├CLMX	13	1252	1303	1254	N23	W03		8336		11	SN		C	1254	.50	.50			
└WEND	13	1255E	1311D		N22	W04		8336		16D	1N		V		3.09				
HUAN	13	1500	1507	1504	N24	W67		8332		7	SF	1	C	1504	.21				D
LOCK	13	1540	1555	1545	S20	E32		8338		15	SN		C	1545	.40	.50		10	
LOCK	13	1607	1625	1612	N34	W01		8336		18	SN		C	1612	.50	.60		10	J
┌HUAN	13	1628	1653	1638	N20	W08		8336		25	SF	2	C	1638	.31	.31			D
├HALE	13	1629	1702	1635	N19	W10		8336		33	SF	2	C	0445	.62	.70			T
├CLMX	13	1630	1651	1642	N20	W03		8336		21	SN		C	1642	.50	.50			
├LOCK	13	1630	1655	1637	N21	W08		8336		25	SN		C	1637	1.00	1.10		20	J
└ONDR	13	1636E	1650		N15	W05		8336		14D	1F		V	1637			1.60		CDH
LOCK	13	1738	1800	1747	N22	W01		8336		22	SN		C	1747	.40	.42		10	
┌LOCK	13	1800	1820	1809	N17	W70		8332		20	1N		C	1809	.90	2.20		20	L
└HUAN	13	1806E	1811D		N24	W68		8332		5D	SF	1	P	1807	.37				E

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JUNE 1966

OBSERV-ATORY	OBSERVED UT				LOCATION				DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 JUNE	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. %	
LOCK	13	1830	1912	1840	N15	W72		8332		42	1F		C	1840	1.50	3.80		10	L
LOCK	13	2200	2240	2210	N20	W45		8334		40	SF		C	2210	.40	.60		10	
LOCK	13	2254	2303	2257	N19	W08		8336		9	SN		C	2257	.30	.31		10	
LOCK	14	0020	0038	0027	N25	W72		8332		18	SF		C	0027	.20	.50		10	
MANI	14	0505E	0514		N19	W11		8336		9D	SN			0505	.52	.55			
MANI	14	0648	0705	0654	N19	W12		8336		17	SN			0654	.26	.28			
MONT	14	1015	1018	1035	N23	W12		8336		3	1N			1022	2.06	3.00			
MONT	14	1050	1130		N23	W12		8336		40	1N			1100	2.06	3.00			
HUAN	14	1433	1517D	1456	N23	W16		8336		44D	SF	1	C	1456	.80	.82			E
HUAN	14			1500										1500	1.05	1.07			
LOCK	14	1528E	1610	1528E	N22	W16		8336		42D	SN		C	1528	1.60	1.80		10	B
MCMA	14	1929	1958D	1934	N22	W18		8336		29D	SN		C	1934	.72	.80			E
HUAN	14	1929	2010	1937	N22	W19		8336		41	SF	2	C	1937	.60	.61			E
CLMX	14	1930	1933D		N25	W21		8336		3D	SF		C	1932	.60	.60			
HALE	14	1931	1942D	1933	N21	W18		8336		11D	SF	1	P	1933	.26	.30			T
LOCK	14	2255	2345	2310	N27	W59		8334		50	SF		C	2310	.40	.80		10	J
LOCK	15	0117E	0200	0125	N24	W20		8336		43D	SN		C	0125	1.00	1.10		10	
HALE	15	0125	0155	0127	N23	W21		8336		30	SN	1	C	0127	.41	.50			FJ
HALE	15	1620	1628	1621	N24	W30		8336		8	SF	2	C	1621	.25	.30			
LOCK	15	1633	1643	1636	N25	W73		8334		10	SB		C	1636	.40	1.00		30	
SACP	15	1633	1645	1636	N24	W72		8334		12	SF		C		.68	1.44			
MCMA	15	1635	1640D		N24	W74		8334		5D	SF		C	1636	.26	.80			D
HALE	15	1635	1643	1637	N24	W73		8334		8	SN	1	C	1637	.21				T
LOCK	15	1749	1756	1753	N26	W77		8334		7	SF		C	1753	.40	1.20		10	
LOCK	15	1920	1950	1930	N24	W30		8336		30	SF		C	1930	.40	.50		10	J
HALE	15	1923	1942	1926	N23	W35		8336		19	SN	1	C	1926	.37	.50			F
LOCK	15	1940	2010	1950	N26	W77		8334		30	SF		C	1950	.30	.80		10	
HALE	15	2118	2130	2121	N24	W73		8334		12	SF	1	C	2121	.21				T
LOCK	15	2120	2130	2125	N26	W77		8334		10	SN		C	2125	.60	1.70		20	
SACP	15	2120	2142	2125	N23	W76		8334		22	1F		C		.86	2.07			
HUAN	15	2122	2127D		N23	W75		8334		5D	SN	1	P	2126	.31				D
HALE	15	2253	2301	2257	N23	W73		8334		8	SF	1	C	2257	.21				T
MANI	15	2255	2306	2258	N27	W72		8334		11	SN	2		2258	.15	.36			
LOCK	16	0017	0027	0019	N25	W76		8334		10	SN		C	0019	.60	1.70		20	
HALE	16	0018	0025	0020	N23	W78		8334		7	SF	1	C	0020	.26				T
ARCE	16	0900E			N24	E90		8344			SN		C	0900	.17	.90			
HALE	16	1633	1646	1636U	N34	E10				13	SF	1	P	1636	.36	.40			
HUAN	16	1816	1819	1817	N17	E14		8340		3	SF	2	C	1817	.25	.25			D
MCMA	16	2032	2045	2034	N24	W47		8336		13	SF		C	2034	.62	1.00			EH
MCMA	16	2121	2131	2122	N18	E14		8340		10	SN		C	2122	.26	.30			D
LOCK	16	2137	2218	2148	N26	W83		8334		41	SN		C	2148	.40	1.40		10	
LOCK	16	2340	0005	2346	N26	W83		8334		25	SF		C	2346	.20	.70		10	
SACP	17	1513	1529	1520	N18	E04		8340		16	SF		C		.76	.77			
MCMA	17	1516	1529	1523	N18	E04		8340		13	SF		C	1523	.41	.41			EJ
LOCK	17	1718	1741	1726	N20	E69		8344		23	SN		C	1726	.60	1.40		10	
MCMA	17	1725	1733	1728	N22	E72		8344		8	SN		C	1728	.26	.80			D
SACP	17	1725E	1741	1727	N22	E70		8344		16D	SN		P		.59	1.18			
HALE	17	1725	1745	1728	N21	E69		8344		20	SN	2	C	1728	.41				K
HALE	17			1735															
MCMA	17	1850E	1945		N18	E04		8340		55D	SN		C	1910	.46	.50			EH
LOCK	17	1918	1937	1930	N17	E04		8340		19	SF		C	1930	.40	.42		10	H
SACP	17	1928E	1935	1928U	N18	E04		8340		7D	SN		P		.34	.34			
MCMA	17	2045	2100D	2048	N18	E04		8340		15D	SN		C	2048	.77	.80			EH
LOCK	17	2105	2140	2124	N17	E04		8340		35	SF		C	2124	.20	.21		10	H
MONT	18	0725	0745D		N18	W08		8340		20D	SN			0740	1.03	2.00			
CATA	18	0713E	0750D	0738	N24	W65		8336		37D	1B		C	0738	1.57			282	
KANZ	18	0713E	0800	0731	N25	W65		8336		47D	SN			0731			2.60		D
MONT	18	0718	0800	0722	N18	W67		8336		42	1B			0730	1.65	2.50			
CAPS	18	0723E	0747		N23	W70		8336		24D	SN	3		0728	.50	1.30		170	FG
ISTA	18	0725E	0755		N13	W65		8336		30D	1								
WEND	18	0746E	0815D		N25	W69		8336		29D	1F		V		4.13				
WEND	18	1043	1052		N25	W70		8336		9	SF								
MONT	18	1055	1110		N18	W08		8340		15	SN			1100	1.03	2.00			
MONT	18	1117			N18	W08		8340			SN			1118	1.03	2.00			
SACP	18	1316	1329	1320	N22	E60		8344		13	SN		C		.60	.94			
MCMA	18	1936	1950	1940	N18	W12		8340		14	SF		C	1940	.26	.30			D
LOCK	19	0002	0012	0004	N19	W61		8339		10	SN		C	0004	.30	.60		10	
LOCK	19	0023	0038	0030	N19	W61		8339		15	SF		C	0030	.20	.40		10	
MANI	19	0434	0441D	0438	N17	W17		8340		7D	SF	2		0438	.52	.55			
CATA	19	0920E	1005D	0926	N20	W18		8340		45D	SB		C	0926	1.05	1.20		234	
CAPS	19	0928E	1004		N16	W20		8340		36D	SF	3		0933	1.40	1.50		153	GE
HERS	19	0936E	0952D	0936U	N18	W22		8340		16D	SN		P	0937	1.44	1.60			E
KANZ	19	0940E	1005		N17	W19		8340		25D	1N								
CLMX	19	1455	1511	1459	N21	E41		8344		16	SF		C	1459	.30	.36			
MCMA	19	1456	1508	1500	N22	E42		8344		12	SN		C	1500	.52	.70			EH
MANI	20	0341E	0352D		N18	W34		8340		11D	SF	1		0350	.41	.52			
ARCE	20	0913E	0923D	0915	N16	W35		8340		10D	SN		C	0915	1.40	1.70			
HUAN	20	1245	1256	1249	N18	E00		8353		11	SF	2	C	1249	.31	.31			D
CAPS	20	1247E	1300D		N16	E03		8353		13D	SF	3		1255	1.50	1.50		150	CG

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 JUNE	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	20	1343	1403	1348	N17	W00		8353		20	SN	2	C	1347	.37	.37			D
MCMA	20	1344	1409	1348	N17	W02		8353		25	SN		C	1348	.52	.52			E
LOCK	20	1547	1625	1557	N17	W02		8353		38	SF		C	1557	.60	.62		10	J
LOCK	20	1815	1830	1820	N17	W02		8353		15	SF		C	1820	.40	.42		10	J
LOCK	20	1938	1957	1942	N17	W02		8353		19	SF		C	1942	.40	.42		10	
MCMA	20	1951	2032	1953	N18	W40		8340		41	SF		C	1953	.26	.30			DH
HALE	20	2325	2340	2326	N18	W40		8340		15	SN	2	C	2326	.52	.70			
HALE	21	0101	0117	0104	N17	W41		8340		16	SN	2	C	0104	.62	.80			
HUAN	21	1152	1205	1156	N18	W47		8340		13	SN	1	C	1156	.57	.68			E
HUAN	21	1523	1535	1528	N29	E51		8350		12	SF	1	C	1528	.21	.27			D
LOCK	21	1525	1540	1529	N29	E52		8350		15	SN		C	1529	.60	1.00		10	
LOCK	21	2350	0020	2355	N25	E28		8344		30	SN		C	2355	1.30	1.60		20	
MANI	22	0019	0031	0023	N26	E26		8344		12	SN	2		0023	.31	.31			
ARCE	22	0930E	1000D		S25	E35		8348		30D	SN		C	0940	.39	.50			H
HUAN	22	1216	1232		N23	W63		8340		16	SF	1	C	1220	.21	.33			E
KANZ	22	1337E	1345		S22	E33		8348		8D	SF								D
HUAN	22	1556	1613		S24	E31		8348		17	SF	1	C	1603	.37	.42			E
MCMA	22	1558	1644	1605	S24	E32		8348		46	SN		C	1605	.52	.70			E
LOCK	22	1559	1610D	1607	S24	E33		8348		11D	SN		C	1607	.50	.70		10	J
MCMA	22	1819	1905	1833	N27	E15		8344		46	SB		C	1833	.52	.60			EH
HUAN	22	1821	1900	1832	N26	E17		8344		39	SF	2	C	1832	.62	.63			E
HALE	22	1823E	1903	1826U	N26	E15		8344		40D	SN	2	P	1826	.72	.80			F
SACP	22	1831E	1853	1834	N26	E16		8344		22D	SF		P		1.02	1.07			
HUAN	22	1947	2003	1951	N23	E29		8350		16	SF	2	C	1951	.25	.27			E
MCMA	22	2019	2023D		S24	E30		8348		4D	SN		C	2023	.36	.50			D
MCMA	22	2045E	2055D		N27	W08		8345		10D	SF		C	2055	.21	.21			D
LOCK	22	2126	2150	2132	S24	E33		8348		24	SN		C	2132	1.00	1.30		10	J
HUAN	22	2128	2137	2132	S23	E28		8348		9	SN	2	C	2132	.21	.22			D
HALE	22	2132	2136	2133	S21	E26		8348		4	SN	2	C	2133	.31	.40			
LOCK	22	2130	2205	2138	N25	E16		8344		35	SN		C	2138	1.00	1.10		20	
HUAN	22	2132	2154	2137	N27	E16		8344		22	SN	2	C	2137	.60	.61			E
HALE	22	2135	2205	2137	N26	E13		8344		30	SN	2	C	2137	.52	.60			E
SACP	22	2136E	2206	2137	N26	E14		8344		30D	SF		P		.95	.99			
MCMA	22	2150E	2210		N27	E15		8344		20D	SN		C	2152	.26	.30			E
SACP	22	2152	2240	2210	N31	E65		8355		48	1F		C		1.45	2.64			
LOCK	22	2152	2300	2205	N27	E68		8355		68	SF		C	2205	1.20	2.80		10	L
HUAN	22	2154	2220D		N28	E68		8355		26D	SF	1	P	2210	.25				E
LOCK	22	2228	2244	2232	N25	E16		8344		16	SF		C	2232	.40	.42		10	
LOCK	22	2345	2400	2350	S24	E33		8348		15	SF		C	2350	.30	.40		10	
SACP	23	0048	0059	0050	S25	E27		8348		11	SF		C		.34	.38			
LOCK	23	0048	0102	0050	S27	E27		8348		14	SN		C	0050	.90	1.20		20	
LOCK	23	0201	0212D	0204	S24	E24		8348		11D	SB		C	0204	1.40	1.70		30	
MANI	23	0201E	0214	0203	S24	E22		8348		13D	SB	2		0203	.31	.38			
MANI	23	0735E	0759		N22	W13		8345		24D	SN	1		0736	1.34	1.38			
ARCE	23	0925	0950	0945	N24	W15		8345		25	1N		C	0945	3.41	3.80			
ONDR	23	0942	0957		N24	W14		8345		15	1N		V	0948			2.50		CH
HUAN	23	1154	1209	1158	N22	W75		8340		15	SN	2	C	1158	.31				D
HUAN	23	1239	1249	1245	S26	E22		8348		10	SF	2	C	1245	.21	.22			DH
MCMA	23	1241	1253	1245	S25	E23		8348		12	SN		C	1245	.26	.40			DH
MCMA	23	1313	1324	1319	S24	E22		8348		11	SN		C	1319	.41	.50			EH
HUAN	23	1316	1327	1319	S26	E21		8348		11	SF	1	C	1319	.21	.22			DH
MCMA	23	1352	1356	1353	S25	E23		8348		4	SB		C	1353	.21	.21			DH
MCMA	23	1458	1514	1503	S25	E22		8348		16	SN		C	1503	.21	.21			DH
LOCK	23	1607	1630	1613	N22	W01		8344		23	SF		C	1613	.40	.42		10	J
LOCK	23	1642	1702	1651	N21	W03		8344		20	SF		C	1651	.60	.70		10	J
LOCK	23	1715	1734	1720	N22	W03		8344		19	SF		C	1720	.40	.42		10	
MCMA	23	1805	1810	1807	S25	E22		8348		5	SF		C	1807	.41	.50			E
HUAN	23	1805	1810	1808	S25	E17		8348		5	SF	1	C	1808	.25	.26			D
LOCK	23	1805	1812	1808	S26	E18		8348		7	SN		C	1808	.70	.80		10	
HALE	23	1806	1812	1809U	S24	E16		8348		6	SN	2	P	1809	.41	.50			J
LOCK	23	1830	1840	1833	S26	E18		8348		10	SF		C	1833	.60	.70		10	
MCMA	23	1831	1837	1833	S25	E22		8348		6	SF		C	1833	.31	.40			D
ARCE	24	0855E	0955D		N25	W30		8345		60D	1N		C	0930	2.05	2.50			H
ARCE	24	0901E			N10	E90		8358			SN		C	0901	.29	1.70			
SACP	24	1426	1442	1432	N34	E90		8361		16	SB		C		.42				
MCMA	24	1430	1437	1434	N34	E90		8361		7	SB		C	1434	.26				
LOCK	24	1634	1647	1637	S25	E06		8348		13	SN		C	1637	.50	.60		10	J
HALE	24	1637	1652	1641	S22	E04		8348		15	SF	1	C	1641	.41	.50			C
MCMA	24	1656	1735	1707	N26	W33		8345		39			C	1707	.31	.40			EHK
MCMA	24			1713							SN			1713	.41	.60			
MCMA	24	1810	1855		N22	W14		8344		45	SF		C	1812	.62	.70			F
MCMA	24	1937E	1943D	1938	N22	W14		8344		6D	SN		C	1938	.41	.50			E
HALE	24	2305	2314	2308	N14	E77		8358		9	SB	2	C	2308	.26				D
MANI	25	0118	0125	0120	N21	W19		8344		7	SF	2		0120	.26	.29			
HALE	25	0208	0220	0210	N14	E77		8358		12	SN	2	C	0210	.15				
ARCE	25	0800E	0910D		N21	W28		8344		70D	SN		C	0800	1.33	1.60			H
KANZ	25	1005E	1009D		N32	E80		8361		4D	SF								G
SACP	25	1226	1240D	1233	S25	W05		8348		14D	SB		P		.52	.54			
KANZ	25	1350E	1410D		N26	W40		8345		20D	SF								B
MCMA	25	1405	1437	1409	N25	W45		8345		32	SB		C	1409	.77	1.20			E
HUAN	25	1421E	1435		N31	E80		8361		14D	SF	1	C	1432	.25				
MCMA	25	1429	1438	1432	N33	E84		8361		9	SN		C	1432	.26				D
HUAN	25	1509	1536		N31	E80		8361		27	SF	1	C	1517	.21				D

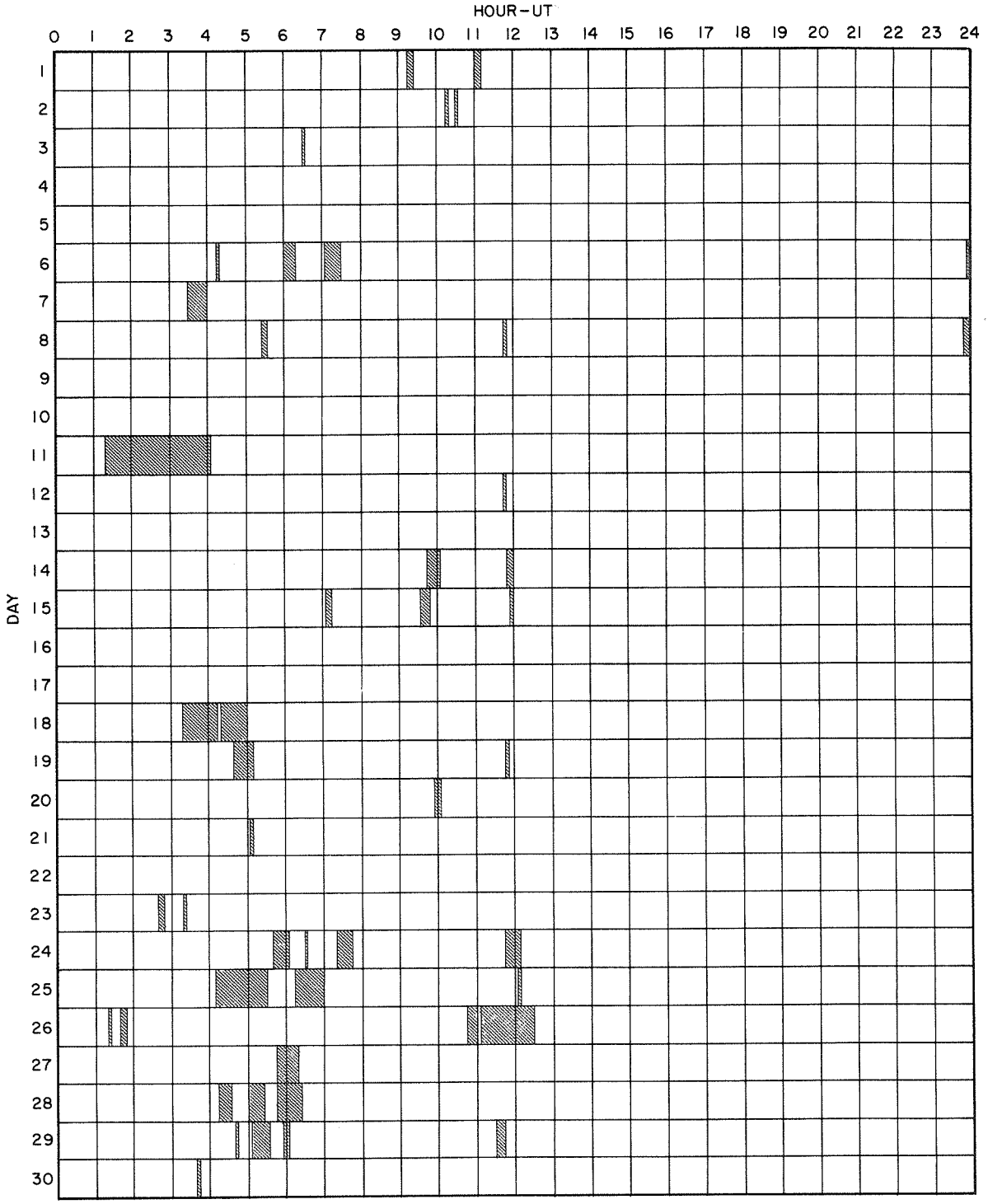
SOLAR FLARES

JUNE 1966

OBSERVATORY	OBSERVED UT				LOCATION				DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 JUNE	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. %	
LOCK	25	1523	1700	1550	S25	W09		8348		97	1B		C	1550	3.00	3.30		30	L
SACP	25	1524	1711U	1541	S24	W09		8348		107U	1B		P		4.24	4.46			
CLMX	25	1525	1639	1551	S23	W09		8348		74	1B		C	1551	2.80	2.80			
HUAN	25	1525	1639	1538	S24	W08		8348		74	1N	2	C	1538	1.86	1.91			H
MCMA	25	1525	1655	1543	S25	W10		8348		90	1B		C	1543	2.58	2.80			FH
KANZ	25	1530E	1550D		S25	W10		8348		20D	2N								EF
SACP	25	1600	1642D	1619	S21	W13		8348		42D	SF		P		.85	.88			
SACP	25	1534	1642U	1550	N33	E77		8361		68U	1N		P		.85	2.12			
LOCK	25	1827	1847	1833	S22	W11		8348		20	SN		C	1833	.90	1.00		10	H
HALE	25	1828	1843	1832	S18	W10		8348		15	SF	1	C	1832	.41	.50			H
LOCK	25	2328	2358	2340	N26	W47		8345		30	SF		C	2340	.90	1.40		10	
LOCK	26	0003	0025	0008	N21	W35		8344		22	SN		C	0008	1.10	1.40		20	H
MITK	26	0005	0015	0008	N26	W36		8344		10	SN		C	0008	.72	1.00		140	D
IKOM	26	0030E	0100		N34	W50		8345		30D	1F		V	0035	1.65	2.80		85	E
LOCK	26	0034	0100	0040	N22	W32		8344		26	1N		C	0040	2.00	2.60		20	L
MITK	26	0038	0051	0039	N23	W32		8344		13	1N		C	0039	1.86	2.30		140	F
IKOM	26	0038E	0052D	0040	N21	W30		8344		14D	SF		V	0040	1.13	1.40		96	E
MANI	26	0040E	0050		N21	W32		8344		10D	SN	2		0045	.72	.88			
MANI	26	0320E	0332		N24	W46		8345		12D	SN	2		0325	.83	1.27			
MANI	26	0618E	0629	0620	N21	W31		8344		11D	SN	1		0620	.36	.44			
MCMA	26	1518	1635	1525	N24	W39		8344		77	SN		C	1525	.41	.60			EK
MCMA	26			1545										1545	.72	1.00			
LOCK	26	1928	1939	1932	S26	W32		8348		11	SN		C	1932	.80	1.10		10	
HALE	26	1930	1938	1935U	S21	W26		8348		8	SF	1	C	1935	.41	.50			T
MANI	27	0219E	0222D		N21	W45		8344		3D	SN	1		0221	.62	.92			
HALE	27	0436	0500D	0438	N29	W62		8345		24D	SN	1	P	0438	.26	.60			T
HALE	27	0455	0500D	0457	N28	W62		8345		5D	SN	1	P	0457	.21	.50			T
CATA	27	0500E	0520D	0506	N20	W50		8344		20D	SN			0506	.83	1.30		186	
ARCE	27	0840E	0920D		S26	E14		8359		40D	SN		C	0900	1.27	1.50			H
MCMA	27	1122E	1227D	1138	S26	E13		8359		65D	SN		C	1138	.46	.50			EK
HUAN	27	1423	1444	1433	N28	W48		8344		21	SF	1	C	1433	.31	.40			E
CAPS	27	1435E	1447		N22	W50		8344		12D	SN	3		1438	.70	1.10		164	G
HUAN	27	1455	1534	1502	N27	W49		8344		39	SN	1	C	1502	.41	.54			E
CAPS	27	1500	1542		N22	W51		8344		42	1N	3		1505	1.40	2.20		170	G
LOCK	27	1520E	1550	1520U	N27	W46		8344		30D	1N		C	1520	1.40	2.20		10	
LOCK	27	1750	1805	1755	N26	W73		8345		15	SF		C	1755	.30	.80		10	
HALE	27	2250	2258	2253	S22	W36		8348		8	SF	1	C	2253	.26	.40			
LOCK	27	2355	0115	0020	N27	W58		8344		80	2N		C	2420	3.50	7.00		20	L
HALE	28	0001	0130	0020U	N24	W59		8344		89	2B	1	C	0020	3.71	7.50			TF
HALE	28	0200	0220	0207	N25	W67		8344		20	SF	1	C	0207	.21				T
MANI	28	0658E	0717	0659	N34	E45		8361		19D	1B	2		0659	2.81	4.51			
CAPS	28	0702E	0711D		N35	E42		8361		9D	SF	3		0705	.60	.80		151	E
KANZ	28	0725E	0728D		S21	W45		8348		3D	SF								D
KANZ	28	0842E	0851		N24	W57		8344		9D	SF								D
KANZ	28	0924E	0930D		N26	W82		8345		6D	SF								
MCMA	28	1341	1345D		N15	E31		8358		4D	SN		C	1344	.21	.21			DH
KANZ	28	1404E	1521D		N21	W84		8345		77D	1N								E
HUAN	28	1526	1616	1534	N37	E51		8362		50	SF	1	C	1534	.95	1.35			E
MCMA	28	1550E	1554D		N38	E52		8362		4D	1B		P	1550	1.03	2.10			F
KANZ	28	1535E	1603D		N36	E39		8361		28D	1N								FH
HUAN	28	1605	1618	1610	N28	W88		8345		13	SF	2	C	1610	.21				D
KANZ	28	1611E	1615D		N21	W84		8345		4D	1N								D
HUAN	28	1710	1724	1718	N27	W88		8345		14	SN	2	C	1718	.31				D
LOCK	28	1715	1727	1718	N29	W82		8345		12	SN		C	1718	.40	1.40		10	
LOCK	28	1745	1820	1752	N29	W82		8345		35	SF		C	1752	.40	1.40		10	
LOCK	29	0100	0130	0110	N15	E24		8358		30	SF		C	0110	.50	.60		10	
ISTA	29	0750E	0930D		N31	W90		8344		100D	S								
LOCK	29	1700	1740	1710	N16	E15		8358		40	SN		C	1710	1.40	1.50		20	
MCMA	29	1701	1817	1718	N17	E16		8358		76	1B		C	1718	1.86	2.10			F
HUAN	29	1702	1741	1708	N16	E16		8358		39	SF	2	C	1708	.36	.36			E
HUAN	29			1730										1730	.21	.21			
LOCK	29	1933	2000	1938	N16	E15		8358		27	SN		C	1938	1.10	1.20		20	
HUAN	29	1934	1947	1939	N16	E14		8358		13	SN	2	C	1939	.52	.51			E
MCMA	29	1934	1955	1939	N15	E15		8358		21	SB		C	1939	.52	.52			E
MANI	29	2329	2352	2335	S23	W22		8359		23	SN	1		2335	.33	.36			
MANI	30	0115	0130	0119	S23	W62		8348		15	1N	2		0119	1.29	2.65			
MANI	30	0227	0239D	0237	S23	W63		8348		12D	1B	2		0237	2.40	5.10			
MITK	30	0228	0255	0232	S25	W68		8348		27	1N		C	0232	1.34			160	F
HALE	30	0229	0243	0237U	S22	W67		8348		14	SN	1	P	0237	.26				
MANI	30	0403	0414	0406	S22	W64		8348		11	SN	2		0406	.65	1.34			
MANI	30	0635	0656	0641	S23	W66		8348		21	1B	2		0641	1.40	3.10			
CAPS	30	0638E	0645		S23	W70		8348		7D	SF	3		0645	1.20			145	
MANI	30	0718	0807	0735	N22	W89		8344		49	SN	2		0735	.26	.84			
ARCE	30	0810	0835D	0810	N34	E37		8362		25D	1N		C	0810	1.36	2.00			H
ISTA	30	0813E	0825D		N38	E39		8362		12D	S								
MCMA	30	1428	1436	1429	N35	E33		8362		8	SN		C	1429	.52	.70			D
MCMA	30	1914	1947	1916	N15	E02		8358		33	SN		C	1916	.26	.26			D
HUAN	30	1953	2004	1955	S26	W78		8348		11	SF	1	C	1955	.25				D
MCMA	30	1954	2006	1956	S27	W80		8348		12	SN		C	1956	.41				D
LOCK	30	2155	2225	2210	S24	W82		8348		30	SF		C	2210	.30	1.10		10	H
HUAN	30	2200	2219	2205	S26	W80		8348		19	SF	1	C	2205	.25				D

INTERVALS OF NO FLARE PATROL OBSERVATIONS
PROVISIONAL

JUNE 1966



Observatories included:

Arectri	Haleakala	Ikomasan	Lockheed	Mitaka	Sacramento Peak
Catania	Herstmonceux	Istanboul	Manila	Monte Mario	Tortosa
Climax	Huancayo	Kanzelhöhe	McMath-Hulbert	Ondrejov	Wendelstein

SOLAR FLARES

MARCH 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 MAR																		
IKOM	01	0440	0510		N20	W85		8174		30	1N		V					85	D
MANI	01	0622	0648D	0628	N21	W90		8174		26D	SN	2		0628	1.03	3.50			
CATA	01	0750	1145	0757	N20	W90		8174		Z35	SF			0757	.41			135	
CAPS	01	1112E	1120D		N23	W90		8174		8D	1N	2							
ATHN	01	1114	1125	1117	N22	W90		8174		11	SB	1		1117	.99		1.80		
	01	1320	1325	NO FLARE PATROL															
CULG	01	2103	2112	2104	N18	W90		8174		9	□			2104	.21				
	01	2130	2135	NO FLARE PATROL															
CULG	02	0333	0355	0344	N19	W90		8174		22	1N		C	0344	1.03				
MANI	02	0335	0400	0340	N22	W90		8174		25	2N	2		0340	3.20	11.12			
CULG	02	0401	0421	0412	N19	W90		8174		20	SN		C	0412	.41				
CULG	02	0416	0425	0418	N28	W31		8177		9	SN		C	0418	.41	.60			FG
CULG	02	0434	0500		N19	W90		8174		26	SN		C						
ARCE	02	0925E	1000D	0925	N24	E40		8184		35D	SN		C	0925	.34	.50			
HALE	03	2216	2240	2222	N24	E19		8184		24	SN	2	C	2222	.12	.20			
ARCE	04	0855E	0955D	0910	N28	E22		8191		60D	SN		C	0910	.94	1.20			
	04	0955	1000	NO FLARE PATROL															
	04	1030	1040	NO FLARE PATROL															
	04	1200	1255	NO FLARE PATROL															
CULG	04	2246	2400D	2308	N22	E04		8184		74D	SN		P	2308	1.03	1.15			FL
SACP	04	2302	2320	2310	N21	E02		8184		18	SF		C		.34	.34			
	05	0950	1030	NO FLARE PATROL															
CULG	06	0702	0715	0705	N27	W07		8191		13	SN		C	0705	.62	.75			
HALE	06	1721E	1724D		N36	E14		8188		3D	SF	1	P	1724	.26	.40			
LOCK	06	2047	2100	2052	N33	E11		8188		13	SF		C	2052	.30	.40		10	
CULG	06	2048	2101	2052	N35	E11		8188		13	SN		C	2052	.41	.56			CG
CULG	07	0030	0103	0041	N26	W15		8191		33	SN		C	0041	.41	.50			
KANZ	07	1010E	1018		N29	W23		8191		8D	SN		V						E
SACP	07	1529	1549	1538	N33	E08		8190		20	SF		C		.51	.57			
MCMA	07	1535	1542	1537	N34	E08		8190		7	SF		C	1537	.21	.30			DH
CLMX	07	1534	1542	1536	N43	W14				8	SB		C	1536	.30	.39			
LOCK	07	2020	2057	2048	S05	E03				37	SF		C	2048	.30	.30		10	H
CULG	08	0741	0755D	0750	N30	W39		8191		14D	SN		P	0750	.41	.64			CL
KANZ	08	0804E	0812		N28	W01		8190		8D	SN								E
ARCE	08	0805	0820D	0810	N30	W03		8190		15D	SN		C	0810	.63	.80			E
MCMA	08	1735	1758	1739	N27	W42		8191		23	SF		C	1739	.41	.50			D
CULG	08	2245	2330	2250	N27	W44		8191		45	SB		P	2250	1.03	1.70			
IKOM	09	0015	0134D		N27	W45		8191		79D	SF		V	0100	.83	1.40	1.10	90	D
ARCE	09	0845E	0945D	0855	N28	W50		8191		60D	SN		C	0855	.59	1.10			FH
ARCE	10	1000	1022D	1000	N22	W76		8184		22D	SN		C	1000	.31	.90			C
HALE	10	2032	2034D		N23	W80		8184		2D	SN	1	P	2034	.31				
HALE	11	1740	1800	1744	N30	W80		8191		20	SF	1	C	1744	.12				
HALE	11	1802	1830	1812	N34	E44		8204		28	SN	2	C	1812	.21	.40			
OTTA	11	1806	1825	1816	N34	E43		8204		19	SN	1	C	1816	.11	.21			
HUAN	11	1807	1829	1818	N35	E44		8204		22	SF	2	C	1818	.21	.30			D
HALE	11	2305	2324	2311	N26	W85		8191		19	SN	1	C	2311	.21				
	13	0415	0420	NO FLARE PATROL															
ARCE	13	0945E	1000D	0950	N29	E25		8204		15D	SN		C	0950	.72	1.00			
OTTA	14	1423	1441		N20	E90		8206		18	SN	1	C	1425	.23				
HUAN	14	1434	1441	1436	N20	E90		8206		7	SF	2	C	1436	.41				D
KANZ	14	1507E	1559D		N20	E90		8206		52D	1N								A
OTTA	14	1508	1516		N20	E90		8206		8	SN	1	C	1511	.17				
OTTA	14	1602	1609		N19	E90		8206		7	SN	1	C	1604	.23				
MCMA	14	1640	1650	1642	N23	E90		8206		10	SN		C	1642					
LOCK	14	1706	1720	1711	N22	E90		8206		14	SN		C	1711	.30	1.20		20	H
OTTA	14	1707	1726		N20	E90		8206		19	SN	2	C	1710	.45				HL
SACP	14	1847E	1858	1855	N18	E88		8206		11D	SN		C		.51				
OTTA	14	1852E	1857D		N18	E90		8206		5D	SN	1	P	1854	.28				
MCMA	14	1852	1857	1853	N17	E90		8206		5	SN		C	1853					
HALE	14	1852	1858	1854	N17	E90		8206		6	SB	2	C	1854	.31				
LOCK	14	1853	1900	1855	N19	E90		8206		7	SN		C	1855	.30	1.20		20	
HUAN	14	1856E	1858		N16	E90		8206		2D	SF	1	P	1856	.46				E
CULG	14	2149	2202	2152	N18	W54		8199		13	SN		C	2152	.41	.80			GH
HALE	14	2151	2157	2152	N18	W57		8199		6	SF	2	C	2152	.31	.70			H
HALE	14	2259	2311	2304	N18	W58		8199		12	SF	2	C	2304	.21	.50			
HALE	15	0145	0148	0146	N22	E90		8207		3	1B	3	C	0146	.52				
HALE	15	0252	0300	0253	N23	E90		8207		8	SF	2	C	0253	.21				
MANI	15	0510	0524	0513	N16	E85		8207		14	SN	1		0515	.51	1.50			
MANI	15	0629	0646	0633	N20	E85		8207		17	SN	1		0633	.36	1.26			
KANZ	15	0735E	0750D		N21	E80		8207		15D	SN								A
ARCE	15	0800E	0820D	0810	N18	E90		8207		20D	1N		C	0810	.37	2.10			
ARCE	15	0825	0850	0835	N21	E85		8207		25	1N		C	0835	.94	3.80			C
ARCE	15	0855	0910	0900	N18	E90		8207		15	SN		C	0900	.31	1.80			
ARCE	15	0855E	0910D	0900	N21	E85		8207		15D	SN		C	0900	.25	1.00			
MONT	15	0908	1000		N20	E85		8207		52	S								
ARCE	15	0940	0950	0940	N18	E90		8207		10	SN		C	0940	.28	1.60			
KANZ	15	1020E	1102D		N16	E80		8207		42D	SF								AF
KANZ	15	1020E	1102D		N21	E80		8207		42D	SF								AF
ARCE	15	1025	1030D		N18	E90		8207		5D	1N		C	1025	.66	3.70			

SOLAR FLARES

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 MAR	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. %	
OTTA	15	1206E	1217		N18	E90		8207		11D	SN	1	C	1208	.23				
OTTA	15	1211	1222		N21	E79		8207		11	SN	1	C	1211	.46				
OTTA	15	1234	1305		N22	E80		8207		31	1N	1	C	1237	.57				
MCMA	15	1245E	1305	1255	N23	E85		8207		20D	SB		C	1255	.62				DI
OTTA	15	1312	1326	1315	N21	E80		8207		14	1N	1	C	1315	.57				
MCMA	15	1314	1326	1316	N23	E85		8207		12	SB		C	1317	.52				D
MCMA	15	1338	1345	1340	N23	E85		8207		7	SF		C	1340	.41				D
MONT	15	1342	1413	1353	N20	E82		8207		31	S								
OTTA	15	1345	1356		N26	E90		8207		11	1B	1	C	1348	.45				
SACP	15	1345	1413	1354	N24	E82		8207		28	SF		C		.34				
MCMA	15	1347	1410	1350	N26	E88		8207		23	SN		C	1350	.21				D
OTTA	15	1446	1456		N20	E84		8207		10	1N	1	C	1451	.68				F
CLMX	15	1502	1507	1505	N20	E79		8207		5	SB		C	1505	.30	.72			
OTTA	15	1503	1509D		N21	E79		8207		6D	1N	1	C	1506	.79				
CLMX	15	1516	1531	1526	N17	E90		8207		15	SF		C	1526	.20	1.00			
OTTA	15	1524	1532	1525	N18	E88		8207		8	SN	1	C	1525	.45				
ONDR	15	1524	1532	1526	N18	E82		8207		8	1F		V	1526			2.35		CDH
LOCA	15	1535	1550	1540	N14	E74		8207		15	1N		V	1540	.63				
HUAN	15	1537	1549	1540	N20	E76		8207		12	SN	2	C	1540	.46				D
ONDR	15	1537	1620		N21	E74		8207		43	1N		V	1542			3.33		CJ
OTTA	15	1538	1547	1540	N21	E79		8207		9	1N	1	C	1540	1.03				
MCMA	15	1538	1548		N23	E84		8207		10	SB		C	1540	.52				D
CLMX	15	1538	1548	1541	N20	E79		8207		10	SN		C	1541	.40	.96			
OTTA	15	1614	1620		N21	E79		8207		6	1N	1	C	1615	1.14				
HUAN	15	1636	1653D	1638	N21	E76		8207		17D	1N	1	P	1638	1.24				
OTTA	15	1636	1722	1638	N21	E72		8207		46	2B	1	C	1638	2.34				F
CLMX	15	1637	1645	1638	N20	E79		8207		8	SN		C	1638	.20	.48			
MCMA	15	1637	1653	1638	N24	E84		8207		16	1B		C	1638	1.24	3.00			F
CLMX	15	1637	1657	1638	N26	E69		8207		20	SN		C	1638	.20	.42			
SACP	15	1637	1803	1712	N25	E70		8207		86	SF		C		.51	1.14			
HALE	15	1649E	1736	1653	N26	E68		8207		47D	SN	2	P	1653	.46				T
HALE	15	1805	1846	1808	N20	E80		8207		41	SN	2	C	1808	.31				T
OTTA	15	1806	1857D	1810	N21	E79		8207		51D	1N	1	C	1810	1.03				HJK
OTTA	15	1832	1857D	1841	N22	E90		8207		25D	SB	1	C	1841	.11				
HALE	15	1845	1848	1846	N20	E85		8207		3	SF	2	C	1846	.10				T
HALE	15	1848	1914	1853	N21	E75		8207		26	SN	2	C	1853	.52				KT
HALE	15			1905										1905	.36				
LOCK	15	1848	1919	1852	N21	E73		8207		31	SN		C					20	H
LOCK	15			1910										1910	.40	1.20			
HUAN	15	1849	1854	1850	N20	E76		8207		5	SF	1	C	1850	.41				E
MCMA	15	1849	1855	1851	N23	E83		8207		6	SN		C	1851	.31				D
MCMA	15	1904	1910	1905	N23	E82		8207		6	SN		C	1905	.31				E
MCMA	15	1919	1925	1922	N23	E80		8207		6	SN		C	1922	.21				D
HALE	15	1919	1927	1922	N21	E75		8207		8	SB	1	C	1922	.46				T
HALE	15	2000	2046	2013	N21	E75		8207		46	1N	1	C	2013	.83				JKT
HALE	15			2040										2040	.41				
LOCK	15	2005	2048	2022	N21	E73		8207		43	SN		C	2022	.40	1.20		20	
MCMA	15	2009	2036		N23	E79		8207		27	SF		C	2021	.21				EK
MCMA	15	2038	2045	2040	N23	E79		8207		7	SB		C	2040	.31				E
HALE	15	2122	2201	2130	N16	E70		8207		39	SN	1	C	2130	.52				JT
HALE	15	2142	2152	2143	N17	E70		8207		10	SF	1	C	2143	.10				JT
LOCK	15	2237	2310	2246	N21	E73		8207		33	SN		C	2246	.30	.90		20	
HALE	15	2241	2253	2244	N21	E70		8207		12	1N	1	C	2244	.72				JT
HALE	15	2256	2314	2308	N21	E70		8207		18	1N	1	C	2308	.93				JT
SACP	15	2305	2322D	2314	N24	E65		8207		17D	SF		P		.26	.49			
HALE	15	2308	2328	2310	N24	E66		8207		20	SN	1	C	2310	.15				T
HALE	15	2317	2340	2330	N21	E70		8207		23	1N	1	C	2330	.93				JT
HALE	15	2344	2353	2345	N21	E72		8207		9	SN	1	C	2345	.21				JT
SACP	16	0042	0057D	0052	N21	E68		8207		15D	1N		P		1.22	2.47			
HALE	16	0048	0100D	0054	N21	E70		8207		12D	1N	1	P	0054	.93				JT
IKOM	16	0109			N19	E70		8207			1B		P	0109	.72	2.30			O
HALE	16	0111E	0129		N21	E70		8207		18D	SB	1	P	0111	.31				JT
MANI	16	0113E	0120	0114	N21	E70		8207		7D	SN	2		0114	.51	1.10			
HALE	16	0133	0147	0136	N21	E70		8207		14	SN	1	C	0136	.31				JT
HALE	16	0219	0239	0221	N21	E70		8207		20	1N	1	C	0221	.62				JT
HALE	16	0315	0339	0319	N21	E69		8207		24	1B	1	C	0319	.88				JT
MITK	16	0315E	0352D	0319	N22	E70		8207		37D	SF		C	0319	.65				
HALE	16	0317	0329	0319	N16	E70		8207		12	SB	1	C	0319	.21				T
MANI	16	0320	0328	0322	N16	E70		8207		8	SN	2		0322	.50	1.10			
MITK	16	0532E	0620D	0608	N21	E66		8207		48D	SF		C	0608	.58				
MANI	16	0606	0613	0608	N23	E69		8207		7	SN	2		0608	.72	1.50			
TACH	16	0734E	0747D	0734	N15	E67		8207		13D	SN		C	0734	.73		1.40	51	E
MANI	16	0736E	0756	0739	N16	E66		8207		20D	SN	2		0739	.50	1.10			
ARCE	16	0857	0900D	0857	N20	E64		8207		3D	SN		C	0857	.64	1.40			
KANZ	16	0857E	0905D		N19	E62		8207		8D	SF								D
ONDR	16	0910E	0924		N18	E64		8207		14D	1B		V	0913			5.18		CDHJ
SALT	16	0912E	0956D		N22	E68		8207		44D	1B	3		0926	.83	2.40			EHI
KANZ	16	0912	1007		N22	E66		8207		55	3B								FHI
MONT	16	0912	1012	0914	N23	E63		8207		60	2B			0922	5.16				
KIEV	16	0913	0945D	0915	N20	E67		8207		32D	1N		C	0915	3.56			70	DI
ARCE	16	0914	0952	0914	N22	E68		8207		38	4N		C	0914	2.55	6.00			
ARCE	16			0924										0924	13.39	36.70			
KANZ	16	0916	0930D		N31	E90		8207		14D	2B								AH
MANI	16	0918E	0950D	0923	N25	E65		8207		32D	1N	2		0923	2.30	4.70			
CATA	16	0920	0930	0924	N23	E67		8207		10	2N			0924	2.45			151	
KANZ	16	0928E	0933D		N33	E70		8207		5D	SN								E
ARCE	16	1150	1205D	1156	N19	E63		8207		15D	1N		C	1156	1.28	2.60			H
OTTA	16	1213	1225	1215	N24	E58		8207		12	SF	1	C	1215	.34				IT
MONT	16	1214	1225	1216	N23	E63		8207		11	S								
OTTA	16	1256	1305		N28	E80		8207		9	1N	2	C	1259	.68				FIT

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 MAR									MIN.									
┌OTTA	16	1312	1319	1313	N18	E63		8207		7	SN	2	C	1313	.68				FIT
├MCMA	16	1312	1343	1315	N16	E63		8207		31	SN		C	1315	.41	1.00			D
├MONT	16	1321E	1340D	1340	N23	E63		8207		19D	S								
├MCMA	16	1333	1350	1338	N21	E63		8207		17	SN		C						
└MCMA	16			1343									C	1343	.77	.18			FHK
OTTA	16	1336	1412		N41	E43				36	SN	1	C	1403	.17	.36			FIT
┌MONT	16	1341	1410		N23	E62		8207		29	S								
├SACP	16	1351	1430	1417	N21	E64		8207		39	SN		C		.42	.77			
└MCMA	16	1407	1425	1411	N23	E63		8207		18	SN		C	1411	.41	1.00			D
┌OTTA	16	1501	1510		N34	E75		8207		9	1N	1	C	1502	.57				FIT
├SACP	16	1509	1549	1530	N20	E59		8207		40	SN		C		1.18	1.92			
├MCMA	16	1515	1532	1517	N16	E61		8207		17	SN		C	1517	.36	.80			D
├HUAN	16	1521E	1540D		N20	E60		8207		19D	SN	1	P	1528	.62				E
├OTTA	16	1524	1546	1528	N21	E59		8207		22	SN	1	C	1528	.45	1.05			HIT
├MCMA	16	1525	1543	1529	N21	E61		8207		18	1B								
├MCMA	16			1537									C	1537	.88	2.10			HK
├ZURI	16	1527	1533	1529	N18	E62		8207		6	1N		V						
├KANZ	16	1528E	1543D		N20	E61		8207		15D	1N								GH
└ZURI	16	1535	1543	1537	N20	E60		8207		8	SN		V						
┌SACP	16	1603	1705	1627	N16	E61		8207		62	1B		C		1.53	2.49			
├MCMA	16	1611	1617	1612	N22	E61		8207		6	SN		C	1612	.31	.70			D
├MCMA	16	1621	1650	1628	N15	E60		8207		29	SB		C	1628	.93	1.80			E
├OTTA	16	1624	1646	1627	N17	E62		8207		22	1B	2	C	1627	1.84				FIT
├LOCK	16	1630E	1703	1630U	N14	E58		8207		33D	SN		C	1630	.80	1.60		20	
├HUAN	16	1637E	1650D		N15	E60		8207		13D	SN	1	P	1642	.57				
└HALE	16	1646E	1657		N16	E61		8207		11D	SN	2	P	1646	.62	1.40			T
┌LOCK	16	1700	1711	1705	N19	E53		8207		11	SN		C	1705	.50	1.00		20	JL
└MCMA	16	1703E	1705D		N22	E60		8207		2D	SF		P	1704	.41	1.00			EH
┌SACP	16	1750	1813	1801	N21	E59		8207		23	SF		C		1.09	1.79			
├HALE	16	1753	1814	1801	N21	E60		8207		21	SN	2	P	1801	.57	1.30			LT
├OTTA	16	1754	1812	1802	N20	E59		8207		18	1N								
├OTTA	16			1806										1806	.92	2.05			FHIT
├LOCK	16	1754	1814	1803	N19	E53		8207		20	SN		C	1803	.50	1.00		20	JL
├MCMA	16	1757	1810	1803	N23	E61		8207		13	SF		C	1803	.52	1.20			EK
├HUAN	16	1759	1810D	1802	N20	E58		8207		11D	SF	1	C	1802	.57				E
└HALE	16	1802	1807U	1803	N18	E63		8207		5U	SF	2	P	1803	.15				T
┌HALE	16	1816	1835	1819	N23	E60		8207		19	SN	2	C	1819	.26				T
├CLMX	16	1817	1828	1820	N20	E60		8207		11	SN		C	1820	.20	.32			
├OTTA	16	1817	1829	1818	N22	E61		8207		12	SN	2	C	1818	.45				EIT
└MCMA	16	1817	1840	1820	N23	E61		8207		23	SF		C	1820	.41	1.00			E
HUAN	16	1852E	1855D		N22	E52		8207		3D	SF	1	P	1852	.31				D
┌OTTA	16	1910	2000D	1917	N36	W56				50D	SF	1	C	1917	.11				
└HALE	16	1912	1934		N37	W66				22	SF	2	P	1917	.15				
┌HALE	16	1913	1917D	1916	N23	E62		8207		4D	SN	2	P	1916	.15				T
├SACP	16	1918	1952	1935	N19	E59		8207		34	1B		C		2.35	3.80			
├LOCK	16	1921	1948	1923	N16	E55		8207		27	1B		C	1923	1.20	2.30		20	H
├LOCK	16			1937															
├OTTA	16	1922	1950	1923	N16	E58		8207		28	1N	2	C	1923	1.26	2.65			FHIT
├HALE	16	1924E	1950		N15	E60		8207		26D	1N	2	P	1924	.93	2.00			T
├HALE	16	1924E	1951	1932	N23	E62		8207		27D	1N	2	P	1932	1.24				W
└MCMA	16	1930E	1950	1937	N20	E61		8207		20D	1B		C	1937	1.86	3.70			FHK
┌OTTA	16	2002	2022	2014	N29	E78		8207		20	1F	1	C	2014	.68				FIT
└LOCK	16	2007	2205	2153	N19	E52		8207		118	SN		C	2153		1.10		20	L
MCMA	16	1333	1350	1338	N21	E63		8207		17	SN		C						
┌SACP	16	2008	2024	2014	N20	E57		8207		16	SN		C		.76	1.18			
├HALE	16	2009	2023	2013	N21	E57		8207		14	SN	2	C	2013	.31	.70			T
├OTTA	16	2011E	2022		N19	E57		8207		11D	SN	1	C	2012	.57	1.18			IT
└MCMA	16	2012	2018	2013	N21	E60		8207		6	SN		C	2013	.36	.80			F
OTTA	16	2038	2115	2054	N15	E58		8207		37	SB	1	C	2054	.63	1.27			HIT
┌MCMA	16	2129	2135	2131	N21	E60		8207		6	SN		C	2131	.31	.70			D
└HALE	16	2129	2136	2131	N21	E57		8207		7	SN	1	C	2131	.62	1.30			T
┌LOCK	16	2145	2205	2153	N19	E52		8207		20	1B		C	2153	1.20	2.20		20	L
├OTTA	16	2149	2154D		N20	E55		8207		5D	1N	2	C	2153	2.26	4.53			IT
└HALE	16	2149	2207	2152	N21	E57		8207		18	1B	1	P	2152	1.55	3.30			JT
┌LOCK	16	2225	2236	2229	N20	E54		8207		11	1B		C	2229	1.30	2.50		20	L
└HALE	16	2226	2242	2229	N23	E59		8207		16	SB	1	C	2229	.62	1.40			J
┌LOCK	16	2252	2317	2258	N18	E51		8207		25	SN		C	2258	.50	.90		20	
├VORO	16	2253	2318	2301	N16	E59		8207		25	SB		C	2301	.90	1.88		62	DHK
├HALE	16	2253	2322	2258	N15	E59		8207		29	SB	2	C	2258	.93	2.00			T
└SACP	16	2304E	2352	2309	N15	E57		8207		48D	SN		P		1.02	1.51			
┌SACP	17	0023	0051D	0045U	N27	W24		8204		28D	SF		P		1.12	1.27			
└IKOM	17	0035	0040		N27	W24		8204		5	SF		V	0035	.62	.80		75	E
HALE	17	0055E	0057D		N18	E53		8207		2D	SN	1	P	0056	.52	1.00			T
CULG	17	0110	0118	0113	N23	E58		8207		8	SN		C	0113	.21	.50			L
┌CULG	17	0129	0208D	0136	N16	E55		8207		39D	SB		P	0136	1.03	2.00			L
├CULG	17	0131	0146	0142	N18	E51		8207		15	SF		C	0142	.41	.76			H
├VORO	17	0132	0153	0136	N16	E58		8207		21	1F		C	0136	1.26	2.60		58	DH
├MANI	17	0134	0155	0137	N16	E56		8207		21	SN	2		0137	1.13	1.98			
├IKOM	17	0145	0155		N18	E57		8207		10	1B		V	0150	1.03	2.20		110	E
├HALE	17	0146E	0146D		N15	E58		8207		0D	SB	2	P	0146	.62	1.30			T
├CULG	17	0150	0208D	0151	N22	E57		8207		18D	1N		P	0151	1.03	2.25			
├MANI	17	0206E	0220D		N22	E54		8207		14D	SF	2		0206	1.00	1.72			
├KODA	17	0208	0253	0240	N16	E53		8207		45	1N		V	0244	1.29	2.58	1.88		EH
└HALE	17	0253E	0258		N18	E52		8207		5D	SF	2	P	0253	.31	.60			T
┌HALE	17	0307	0324	0310	N13	E56		8207		17	SN	1	C	0310	.62	1.20			T
└HALE	17	0308	0320	0308	N18	E56		8207		12	SN	1	C	0308	.10	.20			T
┌HALE	17	0356E	0418D	0359	N14	E54		8207		22D	SB	2	P	0359	.62	1.10			T
└KODA	17	0357	0411	0357	N18	E51		8207		14	1F		V	0400	1.61	2.85	1.72		D
┌MITK	17	0424E	0447D	0431	N22	E53		8207		23D	1N		C	0431	2.99	5.70			E
├KODA	17	0425	0443	0430	N23	E53		8207		18	1N		C	0432	2.58	4.74	1.80	114	E
├SIBE	17	0427E	0452D		N23	E55		8207		25D	2F		C	0438	3.80	6.50		52	CE
└MANI	17	0428	0458	0432	N24	E49		8207		30	1N	2		0432	2.81	4.50			

SOLAR FLARES

MARCH 1966

OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 MAR																	
TACH	17	0516	0525	0519	N17	E51		8207		9	SN		C	0519	.83	1.40	2.70	57	HZ
MANI	17	0517	0530	0520	N17	E51		8207		13	SN	2		0520	1.10	1.76			
MANI	17	0559	0626	0602	N17	E54		8207		27	1B	2		0602	1.24	2.10			
TACH	17	0559	0628D	0603	N15	E55		8207		29D	1N		C	0603	1.73	3.10	2.30	63	
MANI	17	0637	0650	0642	N17	E54		8207		13	SN	2		0642	.74	1.40			
KODA	17	0640	0655	0645	N22	E55		8207		15	SF		V	0645	.98	1.96	1.68		D
TACH	17	0640E	0657		N21	E56		8207		17D	SN		C	0644	.91	1.90	3.20	72	D
BUCA	17	0710E	0751D		N26	W26		8204		41D	SN		C	0717	1.09	1.50			
ARCE	17	0815E			N17	E50		8207			SF		P	0815	1.05	1.80			EH
ATHN	17	1157	1208	1158	N15	E49		8207		11	SN	2		1158	.33	.50	1.75		
ATHN	17	1203	1215	1205	N22	E52		8207		12	SN	2		1205	.66	1.20	1.60		
ATHN	17	1212	1240	1220	N19	E51		8207		28	SN	2		1220	.99	1.70	1.90		
MEUD	17	1213	1244	1220	N18	E50		8207		31	1N		C	1220	2.40	4.60			
MEUD	17	1226	1314	1235	N28	E62		8207		48	1F		C	1235	1.94				
HUAN	17	1227E	1230D		N20	E50		8207		3D	SF	1	P	1227	.67	.89			E
LOCA	17	1356	1440	1405	N21	E47		8207		44	2N		V	1405	4.20	7.50			
MEUD	17	1359	1429	1410	N19	E48		8207		30	2N		C	1410	3.14	5.40			
MCMA	17	1359	1440	1408	N24	E48		8207		41	1N		C	1408	1.34	2.50			FH
SACP	17	1359	1455	1420	N24	E48		8207		56	1N		C		2.61	3.57			
HUAN	17	1400	1443D	1410	N22	E47		8207		43D	1F	1	P	1410	1.29	1.75			
ATHN	17	1400	1420D	1410	N22	E48		8207		80D	1N	1		1410	2.81	4.90	1.60		
OTTA	17	1401	1423		N22	E47		8207		22	1N	1	P	1410	2.51	4.24			FI
CAPS	17	1408E	1424D		N14	E56		8207		16D	SN	2		1409	1.10	1.70		171	GI
OTTA	17	1433	1438D		N23	E45		8207		5D	SN	2	P	1438	1.02	1.66			E
SACP	17	1441	1456	1448	N37	E34		8207		15	SF		C		.34	.45			
OTTA	17	1450	1501	1454	N21	E46		8207		11	SB	2	C	1454	.28	.47			D
MCMA	17	1641	1740	1653	N16	E49		8207		59	SN		C	1653	.52	.90			E
LOCK	17	1642	1728	1655	N16	E45		8207		46	SN		C	1655	.60	1.00		20	
HALE	17	1645E	1706D	1654	N14	E48		8207		21D	SN	1	P	1654	.46	.70			T
SACP	17	1645	1733	1702	N15	E47		8207		48	SN		C		.76	.97			
HUAN	17	1646	1702D		N16	E48		8207		16D	SN	1	P	1655	.41	.53			
SACP	17	1742	1823	1800	N21	E46		8207		41	1N		C		2.11	2.78			
MCMA	17	1746	1828D	1804	N22	E48		8207		42D	1B		C	1804	2.32	4.10			FHK
HALE	17	1746	1828	1806	N09	E50		8207		42	SN	1	P	1806	.46	.70			JT
HALE	17	1747	1821	1802	N24	E49		8207		34	1N	1	P	1802	1.24	2.20			FT
LOCK	17	1747	1832	1805	N22	E43		8207		45	1N		C	1805	2.00	3.20		20	JL
HALE	17	1753	1755D	1754	N18	E47		8207		2D	SN	1	P	1754	.10	.20			JT
HALE	17	1813	1833	1814	N18	E47		8207		20	SN	1	P	1814	.15	.30			JT
LOCK	17	1910	1945	1924	N20	E43		8207		35	SN		C	1924	1.00	1.60		20	
SACP	17	1914	2008	1925	N17	E47		8207		54	SN		C		1.20	1.53			
HALE	17	1916	2001	1925	N17	E47		8207		45	SN	1	P	1925	.72	1.20			FT
MCMA	17	1918	1924D	1924	N19	E49		8207		6D	SN		C	1924	.72	1.20			EK
MCMA	17	1951	2010D	1953	N19	E49		8207		19D	SN		C	1924	.72	1.20			EK
HALE	17	2043	2047D	2046	N29	W37		8204		4D	SF	1	P	2046	.21	.30			F
SACP	17	2120	2148	2132	N28	W36		8204		28	SF		C		.68	.84			
LOCK	17	2128	2138	2132	N28	W38		8204		10	SN		C	2132	.30	.50		20	
HALE	17	2129	2140	2132	N29	W37		8204		11	SN	2	C	2132	.62	1.00			
MCMA	17	2130	2136D	2133	N29	W37		8204		6D	SF		C	2133	.26	.40			E
SACP	17	2143	2245	2150	N15	E44		8207		62	1N		C		1.95	2.42			
LOCK	17	2145	2205	2151	N14	E42		8207		20	SN		C	2151	.60	.90		20	
HALE	17	2146	2241D	2150	N17	E45		8207		55D	SB	2	P	2150	1.24	1.90			FT
HALE	17	2231E	2241D	2238	N22	E44		8207		10D	SF	1	P	2238	.21	.30			FT
HALE	18	0205E	0207D		N17	E43		8207		2D	SN	1	P	0205	.72	1.10			FT
KODA	18	0305E	0330D		N24	E40		8207		25D	1F		P	0317	1.61	2.50			
HALE	18	0315E	0342D		N23	E42		8207		27D	SB	2	P	0315	1.03	1.60			FI
MITK	18	0420E	0447D	0427	N16	E39		8207		27D	SF		C	0427	1.36	2.00			E
MANI	18	0420	0512	0424	N17	E41		8207		52	1N	2		0424	2.00	2.80			
MANI	18			0429															
KODA	18	0425	0505	0445	N15	E41		8207		40	1B		C	0449	2.90	4.22	1.88	114	H
MANI	18	0520	0535	0521	N16	E45		8207		15	SN	2		0521	.50	.73			
MANI	18	0630	0706	0639	N22	E37		8207		36	SN	2		0639	1.20	1.60			
ARCE	18	0855E	0920D		N22	E42		8207		25D	SN		P	0855	1.18	1.80			Z
KANZ	18	1000E	1008D		N16	E33		8207		8D	SN								
ATHN	18	1103E	1120D		N27	W41		8204		17D	SN	2		1105	1.32	1.98	1.60		
OTTA	18	1257	1430	1309	N22	E34		8207		93	1N	2	C	1309	2.18	3.01			FTV
SALT	18	1259	1418		N22	E37		8207		79	1N	3		1328	2.48	3.40		170	GF
MCMA	18	1300E	1318D		N23	E35		8207		18D	SB		P	1312	.83	1.20			E
LOCA	18	1300E	1425	1330	N19	E33		8207		85D	2N		V	1330	4.20	5.90			
MONT	18	1303	1429	1313	N25	E33		8207		86	1N			1316	2.27				
CAPS	18	1310	1341		N12	E47		8207		31	SN	3		1336	1.20	1.70		181	GE
SACP	18	1325E	1436	1326U	N22	E36		8207		71D	1N		P		4.28	5.08			
CAPS	18	1328	1334		N15	E45		8207		6	1F	3		1329	2.30	3.20		149	GE
OTTA	18	1346	1400	1349	N16	E38		8207		14	SF	1	C	1349	.80	1.11			FJ
OTTA	18	1351	1354	1353	N18	E37		8207		3	SB	2	C	1353	.17	.23			D
CAPF	18	1407E	1425D	1407	N22	E36		8207		18D	SN		P	1408	1.18	1.65			
HUAN	18	1412E	1439		N24	E33		8207		27D	SF	1	P	1412	.52	.60			K
OTTA	18	1428	1443		N16	E38		8207		15	SN	2	C	1435	.68	.95			J
OTTA	18	1446	1503D		N13	E34		8207		17D	SF	2	C	1500	.34	.44			
HUAN	18	1450	1505	1452	N17	E38		8207		15	SF	1	C	1452	.21	.24			D
OTTA	18	1451	1508	1453	N16	E38		8207		17	SN	2	C	1453	.23	.32			D
OTTA	18	1541	1602D		N17	E31		8207		21D	SB	2	C	1600	.57	.72			E
SACP	18	1550	1614	1557	N16	E30		8207		24	SN		C		.85	.92			
HUAN	18	1554	1605D	1557	N17	E30		8207		11D	SN	1	C	1557	.26	.28			D
CLMX	18	1554	1612	1600	N17	E29		8207		18	SF		C	1600	.30	.33			
OTTA	18	1605E	1615		N17	E29		8207		10D	SN	2	C	1608	.17	.21			D
OTTA	18	1620E	1628D	1625	N19	E31		8207		8D	SN	2	C	1625	.28	.37			F
HUAN	18	1643	1646D		N20	E32		8207		3D	SF	1	P	1644	.26	.29			D
LOCK	18	1750	1803	1755	N19	E35		8207		13	SN		C	1755	.50	.70		20	
HUAN	18	1752E	1807D	1757	N20	E35		8207		15D	SF	1	C	1757	1.13	1.30			CE
OTTA	18	1753E	1759D		N20	E36		8207		6D	SN	2	C	1755	1.25	1.74			

SOLAR FLARES

MARCH 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 MAR																		
SACP	18	1856	1922	1911U	N16	E30		8207		26	SN		C		.42	.46			
OTTA	18	1856	1923	1857	N16	E30		8207		27	SB	2	C	1857	.57	.70			F
HALE	18	1859E	1923D	1902	N16	E29		8207		24D	SN	2	P	1902	.52	.60			KT
HALE	18			1907										1907	.41	.50			
OTTA	18	1929	1939	1932	N32	W05		8206		10	SN	2	C	1932	.68	.90			F
SACP	18	1929	1940	1933	N16	E28		8207		11	SN		C		.76	.82			
LOCK	18	2040	2104	2053	N14	E40		8207		24	SN		C	2053	.40	.60		20	IJ
OTTA	18	2052	2102D	2058	N12	E41		8207		10D	SN	2	C	2058	.40	.57			FIT
SACP	18	2121	2200	2140	N22	E29		8207		39	1N		C		3.78	4.27			
LOCK	18	2125	2159	2139	N20	E26		8207		34	SN		C	2139	1.20	1.60		10	
CLMX	18	2129	2211	2137	N23	E29		8207		42	SN		C	2137	.50	.55			
CULG	18	2316	2342	2318	N30	W51		8204		26	SN		C	2318	.93	1.80			L
HALE	18	2317	2339	2318	N30	W51		8204		22	SF	2	C	2318	.41	.90			J
HALE	18	2337	2358	2348	N23	E30		8207		21	SF	2	C	2348	.46	.60			FT
CULG	18	2344	2356D		N14	E27		8207		12D	1B		P	2356	4.13	5.00			L
SACP	18	2345	0010	2355	N15	E28		8207		25	1N		C		3.49	3.74			
HALE	18	2346	0011	2349	N15	E28		8207		25	1B	2	C	2349	2.06	2.50			FKT
HALE	18			2353										2353	2.58	3.10			
MANI	18	2346E	0010	2356	N18	E27		8207		24D	1N	2		2356	2.06	2.43			
LOCK	18	2348	0014	2355	N14	E25		8207		26	SN		C	2355	1.20	1.40		20	
KODA	19	0235	0244	0242	N22	E27		8207		9	SF		C	0236	1.29	1.68	1.60		
MANI	19	0337	0527	0348	N20	E33		8207		110	3N	2		0348	16.01	20.40			
CULG	19	0338	0545	0348	N23	E36		8207		127	4B		C	0348	24.24	32.90			FLT
SIBE	19	0339	0401	0344	N21	E32		8207		22	2N		C	0344	5.80	7.80		88	E
KODA	19	0340	0400	0347	N22	E35		8207		20	3B		C	0342	12.89	17.40	2.45	122	I
CULG	19	0436	0552	0458	N14	E25		8207		76	SN		C	0458	1.44	1.64			L
ATHN	19	0814	0818	0816	N18	E23		8207		4	SN	1		0816	.66	.80	1.50		
MANI	19	0903	0912	0906	N10	E14		8207		9	SF	2		0906	.40	.40			
MANI	19	0903	0914D	0907	N17	E23		8207		11D	SN	2		0907	.61	.70			
ATHN	19	0905	0911	0908	N18	E23		8207		6	SN	1		0908	.66	.80	1.50		
ATHN	19	0905E	0914D	0908	N10	E15		8207		9D	SN	1		0908	.50	.50	1.60		
ATHN	19	1210	1223	1212	N20	E37		8207		13	SN	1		1212	.66	1.00	1.60		
MCMA	19	1317	1326	1321	N27	W58		8204		9	SF		C	1321	.31	.80			E
OTTA	19	1357	1418	1402	N21	E27		8207		21	SB	2	C	1402	1.37	1.73			FIJT
MCMA	19	1357	1418	1402	N21	E27		8207		21	SB		C	1402	.77	.80			EH
SACP	19	1358	1420	1405	N20	E27		8207		22	SN		C		.93	1.01			
LOCA	19	1400E	1421	1400	N19	E26		8207		21D	1N		S	1400	2.53	3.30			
ATHN	19	1401	1419	1407	N18	E22		8207		18	SB	2		1407	1.49	1.80	1.90		
KANZ	19	1412E	1418		N19	E27		8207		6D	SB								D
SACP	19	1422	1442	1431	N14	E21		8207		20	1N		C		2.77	2.86			
ATHN	19	1422	1444	1430	N16	E20		8207		22	1B	2		1432	3.30	3.90	1.90		
OTTA	19	1423	1441	1431	N13	E21		8207		18	1B	2	C	1431	2.08	2.37			FIJT
LOCA	19	1424	1446	1426	N14	E20		8207		22	1N		V	1426	4.20	5.00			
KANZ	19	1425	1440D		N13	E19		8207		15D	1N								FH
OTTA	19	1448	1458D		N17	E17		8207		10D	SN	2	C	1455	.40	.45			T
ATHN	19	1509	1514	1511	N19	E19		8207		5	SN	2		1511	.99	1.20	1.50		
HUAN	19	1510	1517	1512	N20	E18		8207		7	SF	1	C	1512	.52	.54			E
SACP	19	1510	1530	1511	N20	E19		8207		20	SN		C		.59	.61			
KANZ	19	1539	1606D		N27	W57		8204		27D	SN								
ATHN	19	1604E	1624	1605	N17	E17		8207		20D	SN	1		1605	.66	.70	1.50		
KANZ	19	1610E	1625D		N14	E16		8207		15D	SN								H
HALE	19	1917	1938	1920	N26	W53		8208		21	SF	2	C	1920	.46	1.00			
SACP	19	1917	1938	1924	N24	W54		8208		21	SF		C		.51	.77			
SACP	19	2045	2059D	2047	N20	E30		8207		14D	SN		P		.42	.47			
HALE	19	2045	2107	2046	N20	E30		8207		22	SN	1	C	2046	.52	.70			T
LOCK	19	2130	2240	2147	N15	E12		8207		70	SN		C						
LOCK	19			2210										2210	1.10	1.20		20	
SACP	19	2132	2215	2157	N15	E14		8207		43	2B		C		5.48	5.56			
HALE	19	2132	2217D	2158	N15	E15		8207		45D	1B	2	P	2158	4.33	4.80			FT
HALE	19			2209										2209	2.17	2.40			
SACP	19	2205	2225	2209	N13	E16		8207		20	SN		C		1.10	1.11			
MANI	19	2213E	2248		N16	E16		8207		35D	1N	2		2214	4.39	5.00			
MANI	20	0133	0146	0136	N13	E15		8207		13	SF	2		0136	1.20	1.30			
KODA	20	0226			N21	E22		8207			2N		P	0226	5.81	7.14			
MANI	20	0226E	0312	0234	N20	E20		8207		46D	1N	2		0234	3.90	4.45			
HALE	20	0256	0320D	0300	N22	E20		8207		24D	SN	1	P	0300	1.03	1.30			F
MANI	20	0352	0405	0355	N21	E33		8207		13	SN	2		0355	.90	1.15			
ATHN	20	0611	0625	0614	N14	E13		8207		14	SN	2		0614	1.32	1.40	1.50		
MANI	20	0615	0645	0622	N15	E14		8207		30	1N	2		0622	2.58	2.70			
WEND	20	0723E	0748		N18	E21		8207		25D	1N		P			3.00			
ATHN	20	0729	0740D	0733	N20	E18		8207		11D	SN	1		0740	.99	1.20	1.60		
WEND	20	0806	0821		N16	E28		8207		15	1N		V			3.00			
ATHN	20	0921	0923D	0931	N18	E18		8207		2D	SN	1		0923	.33	.40	1.40		
KANZ	20	1008	1114		N25	W80		8204		66	SN								
ATHN	20	0924	1021	0955	N21	E25		8207		57	2B	2		0955	8.25	9.50	2.00		
LOCA	20	0940	1125D	1003	N21	E19		8207		105D	3N		C	1003	16.39	19.70			
KIEV	20	0945	1130D	1000	N21	E21		8207		105D	3B		C	1000	20.63	26.00		90	EFHIL
NERA	20	0953E	1011		N20	E15		8207		18D	3	2							
ARCE	20	0928	1017D	0957	N22	E16		8207		49D	3B		C	0957	19.32	22.80			H
KANZ	20	0929	1023D		N19	E17		8207		54D	2B			0959			9.50		H
CATA	20	0930	1100	0957	N20	E20		8207		90	2B		C	0957	8.85	10.00		264	
MANI	20	0932E	0952D	0938	N15	E15		8207		20D	SN	2		0938	1.65	1.60			
WEND	20	0947	1202	1011	N20	E15		8207		135	3B		C			31.00			
ONDR	20	0950E	1104	0958	N19	E11		8207		74D	2N		V	0958			8.05		CFHJ
ARCE	20	0954	1017D	0958	N18	E28		8207		23D	1B		C	0958	4.30	5.10			H
LOCA	20	1010	1125D	1037	N13	E10		8207		75D	2N		C	1037	5.67	6.20			K
ATHN	20	1011	1028D	1015	N16	E05		8207		17D	SB	2		1015	1.82	2.00	2.00		
ARCE	20	1013	1104D	1029	N16	E08		8207		51D	2B		C	1029	5.58	6.10			FH
ARCE	20			1036										1036	7.78	8.50			
KIEV	20	1013	1130D	1016	N17	E08		8207		77D	1N		C	1016	4.64	4.30		60	EI
KANZ	20	1017	1032D		N16	E08		8207		15D	1N			1019			3.00		H

SOLAR FLARES

MARCH 1966

OBSERVATORY	OBSERVED UT DATE	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	1966 MAR																		
KANZ	20	1030E	1057D		N15	E10		8207		27D	2N			1038			3.20		HIF
ATHN	20	1032E	1101	1037	N13	E09		8207		29D	1B	2		1037	3.30	3.50	2.00		
MEUD	20	1032E	1130		N15	E09		8207		58D	2B		C	1035	5.10	5.60			
MEUD	20	1032E	1255D		N22	E34		8207		143D	2N		C	1158	7.51	9.30			
NERA	20	1033E	1040		N15	E10		8207		7D	2	2							
MEUD	20	1221	1230	1224	N24	E19		8207		9	SN		C	1224	1.64	2.00			
WEND	20	1206	1221		N22	W77		8193		15	1N		V			4.00			
WEND	20	1235E	1249D		N22	W79		8193		14D	1N		P			4.00			
SACP	20	1431	1448	1439	N19	E10		8207		17	SF		C		.60	.60			
KANZ	20	1505E	1510D		N25	W82		8204		5D	SN								
SACP	20	1534	1550	1540	N17	E10		8207		16	SN		C		.68	.68			
SACP	20	1551	1617	1604	N16	E03		8207		26	SF		C		1.60	1.60			
SACP	20	1659	1718	1706	N20	E07		8207		19	SF		C		.93	.95			
SACP	20	1728	1739	1732	N17	E09		8207		11	SF		C		.85	.85			
SACP	20	1756	1818	1805	N21	E12		8207		22	1N		C		3.89	4.02			
LOCK	20	1759	1814	1805	N17	E12		8207		15	SN		C	1805	1.00	1.10		20	H
SACP	20	1847	2026	1859	N20	E09		8207		99	1B		C		4.63	4.75			
LOCK	20	1849	1919	1855	N19	E07		8207		30	1N		C	1855	2.50	2.80		20	
SACP	20	1959	2028	2008	N19	E05		8207		29	1B		C		4.56	4.63			
LOCK	20	2001	2020	2008	N18	E04		8207		19	SN		C	2008	1.10	1.20		20	
SACP	20	2305	2329	2314	N21	E04		8207		24	SF		C		.51	.51			
CULG	20	2306	2321	2310	N21	E04		8207		15	1N		C	2310	2.06	2.20			L
LOCK	20	2307	2321	2312	N21	E03		8207		14	SN		C	2312	.50	.60		20	H
VORO	20	2308	2322	2310	N20	E04		8207		14	1N		C	2310	2.16	2.44		70	EH
MANI	20	2318E	2332	2320	N20	E03		8207		14D	SF	2		2319	.50	.50			
CULG	21	0101	0151	0112	N21	E02		8207		50	1N		C	0112	2.99	3.19			L
VORO	21	0110	0137	0117	N20	E03		8207		27	1N		C	0117	1.89	2.14		78	EH
MANI	21	0110	0144	0119	N22	E03		8207		34	SN	2		0119	1.80	1.90			
HALE	21	0324	0340		N19	E03		8207		16	SN	1	P	0329	1.03	1.10			F
MANI	21	0351	0403D	0355	N13	E01		8207		12D	SF	2		0355	1.10	1.10			
CULG	21	0529E	0543		N23	W90		8204		14D	□								
CULG	21	0610	0643	0615	N21	W01		8207		33	SN		C	0615	1.44	1.54			L
MANI	21	0613	0633	0619	N21	W01		8207		20	SN	2		0619	.60	.61			
KODA	21	0615	0630	0621	N20	E02		8207		15	SN		C	0621	1.29	1.41	1.68	114	D
CULG	21	0620	0625	0622	N27	W00		8207		5	SF		C	0622	.41	.46			L
CULG	21	0622	0655		N23	W90		8204		33	□								
CULG	21	0702	0713	0706	N15	W03		8207		11	SN		C	0706	.31	.33			L
KANZ	21	0704E	0710		N13	W06		8207		6D	SN								
WEND	21	0705	0712		N13	W03		8207		7	S								
IKOM	21	0721	0746		N22	E15		8207		25	SN		P	0721	.62	.70			O
ATHN	21	0805E	0809D		N14	W02		8207		4D	SN	1		0806	.66	.70	1.60		
WEND	21	0842	0856		N19	E05		8207		14	S								
ONDR	21	0842	0904	0847	N20	E02		8207		22	1F		V	0847			2.26		CDHJ
ARCE	21	0845E	0905D	0845	N22	E05		8207		20D	SN		C	0845	.64	.70			D
KAND	21	0848	0856D		N18	E02		8207		8D	SN		C	0855		.54			
KANZ	21	0848	0905		N21	E06		8207		17	SF								
WEND	21	0924	1130	0946	N22	W02		8207		126	2B		C			10.00			
ARCE	21	0925	0958	0944	N22	W02		8207		33	2B		C	0944	7.11	8.10			FH
LOCA	21	0925	1100	0944	N20	W03		8207		95	2N		C	0944	7.15	8.00			
KODA	21	0926	1020D	0940	N22	E02		8207		54D	2B		C	0941	6.45	7.40	2.48		GH
ZURI	21	0927	1018		N20	W03		8207		51	SB		S			1.70			
KANZ	21	0927	1040		N21	W02		8207		73	2B			0937			4.00		FJH
CATA	21	0930	1036	0935	N20	W03		8207		66	1B			0935	3.22	3.30		234	
NERA	21	0931E	0933D		N18	W05		8207		2D	2	1							
MANI	21	0932	0955D	0940	N18	W01		8207		23D	1N	2		0940	2.68	2.70			
ONDR	21	0933E	0953		N21	W03		8207		20D	1B		V	0938			3.01		CJL
ATHN	21	0935E	0940D		N22	W02		8207		5D	1B	1		0940	2.31	2.60	2.00		
CAPF	21	0942E	1039	0942	N21	W04		8207		57D	1F		C	0947	3.53	3.60			H
KAND	21	0945E	1000		N15	W02		8207		15D	1N		C	0954		3.53			
KAND	21	0945E	1025D		N13	E01		8207		40D	2N		C	1004		5.42			
ARCE	21	0945	1030D	1002	N24	W02		8207		45D	1N		C	1002	4.21	4.90			FH
ONDR	21	0957	1035	0959	N25	W03		8207		38	1N		V	0959	2.22				CEHJK
MEUD	21	1012E	1125		N24	W05		8207		73D	2N		C	1024	9.70	11.40			
KANZ	21	1055	1107		N22	W02		8207		12	SN								
KODA	21	1058E			N18	E04		8207			SF		P	1058	1.29	1.44			D
MEUD	21	1058	1105	1059	N18	W03		8207		7	SN		C	1059	.60	.70			E
ATHN	21	1059	1106	1102	N20	W01		8207		7	SN	2		1102	.71	.70	1.50		
KANZ	21	1128	1142D		N31	E71		8217		14D	SN								
ATHN	21	1144	1147D	1145	N19	E02		8207		3D	SN	2		1145	.33	.40	1.30		
KANZ	21	1243	1255		N31	E70		8217		12	SN								
ATHN	21	1302E	1315	1305	N20	E74		8216		13D	SN	2		1305	.50		1.60		
KANZ	21	1327	1348		N24	E05		8207		21	1F			1431			2.00		
SACP	21	1416U	1452	1425	N19	E06		8207		36U	SN		C		1.70	1.72			
MONT	21	1420	1426D	1426	N20	E10		8207		6D	S			1429	2.06				
WEND	21	1420E	1454D		N19	E08		8207		34D	1N		V			5.00			
CAPF	21	1422E	1448	1422	N18	E01		8207		26D	1F		C	1425	1.76	2.06			
SACP	21	1424	1440	1432	N13	W06		8207		16	SF		C		.42	.42			
LOCA	21	1425E	1445	1428	N17	E06		8207		20D	1N		V	1428	2.53	2.80			
MCMA	21	1427E	1428D		N20	E05		8207		1D	SN		P	1427	.88	1.00			E
ZURI	21	1427	1440		N20	E06		8207		13	SF		S			2.10			
ONDR	21	1428E	1445		N20	W03		8207		17D	1N		V	1428			2.20		CDHJR
ATHN	21	1429E	1448	1432	N19	E08		8207		19D	1N	2		1432	1.98	2.20	1.80		
HUAN	21	1429E	1453		N20	E07		8207		24D	SF	1	P	1431	1.24	1.25			E
MONT	21	1453	1500		N21	W01		8207		7	S								
KANZ	21	1454	1458		N20	E00		8207		4	SN								D
SACP	21	1454	1500	1456	N20	W03		8207		6	SF		C		.60	.60			
KANZ	21	1503	1539		N23	E02		8207		36	1N			1409			3.30		E
SACP	21	1504	1542	1510	N20	E01		8207		38	1N		C		2.54	2.59			
HUAN	21	1505	1526D	1509	N20	E01		8207		21D	SB	1	P	1509	1.75	1.80			

SOLAR FLARES

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 MAR	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. %	
ZURI	21	1505	1533		N20	E02		8207		28	1B		V			2.60			
NERA	21	1507E	1524		N18	W02		8207		17D	2	1							
CAPS	21	1507E	1529		N18	E01		8207		22D	1B	2		1510	2.30	2.50		243	GFIL
ATHN	21	1507	1535	1510	N20	E02		8207		28	1B	2		1510	1.98	2.20	2.00		
WEND	21	1507E	1541		N20	W00		8207		34D	1N		P			5.00			
WEND	21	1509	1535		N16	E08		8207		26	1N		P			3.00			
ONDR	21	1510E	1521D		N22	W01		8207		11D	1N		V	1511			2.67		CEJ
CAPF	21	1516E	1539	1516	N16	W02		8207		23D	SF		P	1518	1.18	1.31			
MCMA	21	1520E	1540		N22	E00		8207		20D	SB		P	1522	.31	.40			D
SACP	21	1541	1601D	1550	N21	W05		8207		20D	1N		C		2.79	2.86			
WEND	21	1544	1629		N22	W04		8207		45	2B		P			6.00			
ZURI	21	1545	1607	1555	N21	W04		8207		22	1N		V			2.80			
NERA	21	1545	1620		N20	W02		8207		35	2	1							
MCMA	21	1546	1557D	1551	N22	W06		8207		11D	SB		C	1551	1.55	1.60			E
KANZ	21	1546	1610D		N20	W04		8207		24D	1N			1550			2.70		FH
CAPS	21	1547	1600		N17	W04		8207		13	SB	2		1549	1.70	1.90		191	GFI
ATHN	21	1547	1612	1550	N21	W03		8207		25	1N	1		1550	2.31	2.50	1.60		
ONDR	21	1555E	1603D		N20	W03		8207		8D	1N		V	1557			2.83		CEJ
CAPF	21	1614E	1629D	1614	N18	W02		8207		15D	SF		S	1622	1.18	1.31			H
KANZ	21	1617	1624		N21	W03		8207		7	1N			1619			3.40		H
MCMA	21	1617	1625	1618	N22	W05		8207		8	SN		C	1618	.41	.50			EHL
MCMA	21	1743	1804	1746	N17	W04		8207		21	SN		C	1746	.62	.70			E
HALE	21	1743	1810	1747	N16	W05		8207		27	SN	2	C	1747	1.03	1.10			F
HUAN	21	1755E	1803D		N16	E04		8207		8D	SF	1	P	1757	.26	.26			D
HUAN	21	1819	1835D		N20	W08		8207		16D	1N	1	P	1825	1.80	1.85			
SACP	21	1820	1850	1831	N21	W08		8207		30	1N		C		2.39	2.46			
HALE	21	1820	1851	1825	N21	W09		8207		31	1B	2	C	1825	1.96	2.20			F
MCMA	21	1820	1930	1826	N21	W08		8207		70	SB		C	1826	1.55	1.70			EK
MCMA	21			1856															
MCMA	21			1913															
HALE	21	1852	1917	1854	N23	W08		8207		25	SB	2	C	1854	.83	1.00			
HALE	21	1910	1926	1913	N21	W05		8207		16	SB	2	C	1913	.52	.60			H
LOCK	21	2022	2044	2025	N21	W08		8207		22	SN		C	2025	1.20	1.30		20	HJ
SACP	21	2036E	2044	2036	N19	W06		8207		8D	SN		C		2.02	2.05			
CULG	21	2126	2308	2203	N13	W13		8207		102	2B		C	2203	6.19	6.60			JLT
LOCK	21	2138	2238	2205	N14	W11		8207		60	1N		C	2205	2.10	2.30		20	JL
SACP	21	2140	2240U	2200	N14	W10		8207		60U	1N		C		3.41	3.42			
CULG	21	2214	2359D	2229	N20	W10		8207		105D	3B		C	2229	15.99	24.63			FHILTU
SACP	21	2219	2345U	2230	N22	W10		8207		86U	2B		C		9.25	9.58			
MANI	21	2222	0013	2300	N19	W08		8207		111	2B	2		2321	5.53	5.60			
LOCK	21	2223	2243	2230	N18	W11		8207		20	1N		C	2230	2.40	2.60		20	HIL
CULG	21	2255	2359D	2320	N24	W10		8207		64D	2B		P	2320	7.01	7.82			HT
LOCK	21	2306	2358	2325	N21	W11		8207		52	1N		C	2325	2.10	2.50		20	
CULG	22	0140	0151	0144	N18	W14		8207		11	SN		C	0144	.52	.55			LT
CULG	22	0145	0159	0154	N14	W16		8207		14	SF		C	0154	.21	.22			LT
CULG	22	0205	0228	0208	N19	W14		8207		23	SN		C	0208	.72	.80			LT
MANI	22	0211	0219	0215	N20	W13		8207		8	SF	2		0215	.50	.55			
CULG	22	0333	0359	0347	N14	W14		8207		26	1N		C	0347	1.86	1.98			LT
CULG	22	0349	0359	0355	N19	W15		8207		10	SN		C	0355	.83	.92			T
CULG	22	0418	0453	0425	N13	W13		8207		35	SN		C	0425	1.34	1.43			LT
MANI	22	0425	0437	0426	N11	W15		8207		12	SF	2		0426	.40	.42			
CULG	22	0450	0532	0505	N22	W13		8207		42	1N		C	0505	3.92	4.56			LT
MANI	22	0504E	0515	0509	N18	W16		8207		11D	SF	2		0509	.90	.90			
CULG	22	0630	0645	0632	N19	W16		8207		15	SB		C	0632	1.24	1.38			T
KODA	22	0632	0640	0632	N17	W13		8207		8	SF		C	0632	1.29	1.40	1.60		
ATHN	22	0637	0643	0639	N21	W09		8207		6	SN	2		0639	.33	.40	1.60		
WEND	22	0701	0711		N18	W12		8207		10	SN								
WEND	22	0743	0828		N13	W16		8207		45	1B		V			5.00			
MANI	22	0744E	0818	0747	N15	W14		8207		34D	SN	2		0747	.50	.52			
MANI	22			0755										0755	1.10	1.14			
KAND	22	0744	0831		N19	W16		8207		47	SN		C	0749		1.96			
ATHN	22	0746	0820	0755	N15	W15		8207		34	SN	2		0800	1.65	1.80	1.40		
ONDR	22	0746E	0823		N15	W15		8207		37D	1N		V	0756	1.77				CDEHJ
BUCA	22	0748E	0824D		N13	W16		8207		36D	1N		C	0753	2.21	2.50			
CAPS	22	0749	0808		N11	W17		8207		19	SN	3		0756	.60	.60		166	GFI
CAPF	22	0750E	0800D	0750	N13	W15		8207		10D	1N		P	0752	1.76	2.06			
KODA	22	0750	0815	0753	N14	W14		8207		25	1N		P	0755	1.61	1.76			E
KANZ	22	0756E	0812D		N12	W17		8207		16D	1N								
NERA	22	0800E	0818		N15	W15		8207		18D	1	1							
WEND	22	0817	0837		N20	W11		8207		20	SN								
WEND	22	0946	1000		N20	W11		8207		14	1N		V			3.00			
ATHN	22	0947	0957	0950	N20	W10		8207		10	1B	2		0951	.72	2.20	1.90		
MANI	22	0950E	0955D		N18	W12		8207		5D	SN	1		0955	1.10	1.10			
KANZ	22	0950E	1000		N18	W11		8207		10D	SN								E
CAPS	22	0952	1000		N16	W10		8207		8	SN	3		0955	.80	.80		161	GI
KAND	22	0956	1002		N17	W11		8207		6	SN		V						
ATHN	22	1025	1036	1027	N20	W10		8207		11	SN	2		1027	.50	1.50	1.60		
KAND	22	1026	1036		N17	W12		8207		10	SN		C	1029		.54			
KAND	22	1028	1038		N17	W11		8207		10	SN		C	1029		.54			
WEND	22	1028	1050D		N20	W12		8207		22D	1N		V			3.00			
WEND	22	1110	1210D		N23	W19		8207		60D	2N		P			8.00			
ATHN	22	1112	1147	1125	N20	W17		8207		35	1B	2		1125	1.70	2.10	1.80		
KAND	22	1112	1225		N13	W14		8207		73	2N		C	1122		5.61			
NERA	22	1115E	1130		N25	W20		8207		15D	2	1							
CAPF	22	1115E	1151	1115	N17	W20		8207		36D	1F		C	1120	2.94	3.42			H
ONDR	22	1116	1155		N23	W19		8207		39	1N		V	1134	2.03				CJ
CAPS	22	1119	1143		N18	W18		8207		24	1N	3		1125	2.50	2.80		178	GI
KIEV	22	1134E	1134D	1134	N23	W17		8207		0D	2N		P	1134	4.64	6.00		60	BI
HUAN	22	1151E	1201D		N22	W19		8207		10D	SF	1	P	1200	.77	.83			E

SOLAR FLARES

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OBSERV-ATORY	OBSERVED UT DATE 1966 MAR	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
ATHN	22	1253E	1301	1255	N19	W11		8207		8D	SN	2		1301	.39	.40	1.40		
WEND	22	1407E	1425		N20	W11		8207		18D	2N		V			6.00			
ATHN	22	1407	1428	1412	N19	W14		8207		21	1N	2		1412	2.97	3.30	1.80		
SACP	22	1407	1436	1410	N21	W11		8207		29	2N		C		6.04	6.25			
CAPS	22	1408	1418		N10	W09		8207		10	SN	3			1.00	1.20			GI
CAPS	22	1408	1419		N04	W03		8207		11	1N	3			1.80	2.10			GI
CAPS	22	1408	1421		N09	W13		8207		13	1N	3		1411	2.70	3.20		196	GI
CAPF	22	1411E	1424	1411	N20	W11		8207		13D	1N		P	1413	2.94	3.42			H
KANZ	22	1416E	1437		N20	W13		8207		21D	1F			1428			1.80		H
NERA	22	1420E	1433		N20	W10		8207		13D	1	2							
HUAN	22	1809	1845D		N13	W22		8207		36D	SN	1	C	1826	1.13	1.16			E
LOCK	22	1813	1842	1822	N10	W22		8207		29	SN		C	1822	.90	1.00		20	IJ
SACP	22	1813	1847U	1820	N13	W21		8207		34U	1N		C		3.55	3.65			
SACP	22	2143	2234	2201	N25	W20		8207		51	SF		C		.85	.92			
SACP	22	2320	2352	2327	N20	W17		8207		32	SF		C		.59	.61			
LOCK	23	0110	0125D	0121	N12	W26		8207		15D	SN		C	0121	.50	.60		20	
MANI	23	0114	0159	0120	N17	W26		8207		45	1N	2		0120	2.37	2.70			
CULG	23	0420	0455	0439	N11	W27		8207		35	SN		C	0439	.62	.72			LT
KANZ	23	0715E	0724D		N14	W24		8207		9D	SN								
KANZ	23	0758E	0813		N22	W28		8207		15D	SN								
KANZ	23	0814E	0840D		N12	W28		8207		26D	1N			0818			1.80		E
ATHN	23	0816	0826	0820	N13	W27		8207		10	SF	1		0820	1.49	1.50	1.20		
KAND	23	0816	0834		N15	W31		8207		18	□		V						
KAND	23	0912	0930D		N15	W27		8207		18D	□		V						
KANZ	23	0919E	0926		N14	W25		8207		7D	SN								D
HUAN	23	1151E	1201D		N12	W33		8207		10D	SN	1	P	1200	.62	.68			E
CAPS	23	1154	1212D		N12	W24		8207		18D	SN	3		1201	1.40	1.50		162	G
KAND	23	1155	1237		N15	W27		8207		42	□		V						
KAND	23	1155	1245		N15	W31		8207		50	□		V						
CAPF	23	1205E	1218	1206	N13	W30		8207		13D	SN		P	1206	1.18	1.48			H
WEND	23	1213E	1236		N12	W30		8207		23D	1N		V			5.00			
KANZ	23	1220E	1245D		N12	W32		8207		25D	SN								
KAND	23	1241	1254		N14	W26		8207		13	□		V						
KANZ	23	1258E	1319		N16	W39		8207		21D	SN								
KAND	23	1301	1319		N20	W31		8207		18	□		V						
SACP	23	1334	1404	1341	N15	W29		8207		30	SF		C		.61	.65			
KANZ	23	1335E	1405		N16	W27		8207		30D	SN								
WEND	23	1338	1356		N16	W30		8207		18	SN								
SACP	23	1409	1440	1416	N23	W24		8207		31	SF		C		.42	.46			
SACP	23	1440	1515	1450	N20	W27		8207		35	SF		C		1.10	1.20			
HUAN	23	1441	1509	1444	N24	W18		8207		28	SN	2	C	1444	.88	.93			E
KANZ	23	1446E	1457		N19	W21		8207		11D	SN								E
KANZ	23	1453E	1500		N20	W33		8207		7D	SN								E
KANZ	23	1520	1531		N20	W33		8207		11	SF								
SACP	23	1633	1708	1651	N14	W32		8207		35	SF		C		.42	.46			
SACP	23	1846	1918	1901	N11	W37		8207		32	SF		C		.68	.76			
HUAN	23	1856E	1912		N12	W38		8207		16D	SF	1	P	1905	.52	.58			C
SACP	23	1907	1940	1927	N19	W45		8207		33	1F		C		2.38	3.05			
HUAN	23	1914	1936D	1917	N20	W46		8207		22D	SF	1	C	1917	.62	.78			E
SACP	23	2001	2039	2017	N13	W30		8207		38	SF		C		.68	.73			
HUAN	23	2011	2022D	2015	N15	W31		8207		11D	SF	2	C	2015	.21	.24			D
SACP	23	2040	2146	2119	N12	W37		8207		66	1N		C		4.01	4.52			
CLMX	23	2107E	2133	2118	N13	W38		8207		26D	SN		C	2118	.50	.55			
SACP	23	2246	2330	2258	N15	W32		8207		44	1N		C		3.83	4.23			
MANI	23	2250	2348	2300	N17	W33		8207		58	2N	2		2300	5.60	6.90			
MANI	23			2325										2327	3.87	4.80			
LOCK	23	2251E	2303D	2259	N14	W29		8207		12D	SN		C	2259	1.50	1.80		20	
SACP	23	2316	2335	2321	N19	W37		8207		19	SN		C		1.54	1.80			
MANI	24	0225	0414	0242	N18	W37		8207		109	3B	2		0242	10.60	13.80			
MITK	24	0227E	0356D	0238	N22	W42		8207		89D	2B		C	0238	5.10	7.70			EHKW
VORO	24	0230E	0401D		N22	W44		8207		91D	2F		P	0280	3.96	6.80		78	FHJK
KODA	24	0232E	0315	0236	N19	W45		8207		43D	2N		V	0234	5.16	8.50	2.08		HI
KANZ	24	0719	0725		N16	W45		8207		6	SF								D
KANZ	24	0805E	0820		N16	W45		8207		15D	SF								D
ARCE	24	0840	0850		N22	W42		8207		10	SN		C	0845	.48	.80			H
KANZ	24	0843E	0853D		N20	W44		8207		10D	SN								E
KANZ	24	0848E	0853D		N16	W45		8207		5D	SN								
ARCE	24	0910	1005	0955	N16	W44		8207		55	1N		C	0955	2.09	3.10			H
ATHN	24	0911E	0922	0915	N17	W43		8207		11D	SB	2		0915	.99	1.50	1.90		
MANI	24	0911	0927	0916	N17	W42		8207		16	SN	2		0916	1.09	1.72			
MEUD	24	0915E	0919		N17	W43		8207		4D	SB		C	0916	.90	1.40			D
CATA	24	0954	1003	0957	N16	W44		8207		9	1B			0957	1.99	3.00		229	
MEUD	24	0955E	1000D		N17	W43		8207		5D	1B		C	0956	1.64	2.50			CD
ARCE	24	1001E			N16	W44		8207			1N		P	1001	2.04	3.00			O
ATHN	24	1023E	1031	1024	N16	W40		8207		8D	SN	2		1024	.99	1.40	1.60		
ATHN	24	1123E	1130	1125	N15	W44		8207		7D	SB	2		1125	.99	1.50	2.00		
HUAN	24	1236	1259		N17	W48		8207		23	SN	1	P	1236	.36	.46			EK
ATHN	24	1247	1252	1248	N18	W45		8207		5	SB	2		1249	.53	.80	1.90		
HUAN	24	1320	1341	1322	N16	W46		8207		21	SF	2	C	1321	.31	.39			D
KANZ	24	1332E	1334D		N14	W45		8207		2D	SF								D
HUAN	24	1347	1352		N18	W49		8207		5	SF	1	P	1349	.21	.27			D
HUAN	24	1418E	1429		N18	W49		8207		11D	SN	1	P	1420	.62	.81			
ATHN	24	1423E	1427	1423	N18	W46		8207		4D	SF	2		1427	.46	.70	1.20		
KANZ	24	1450E	1458		N14	W46		8207		8D	SN								E
SACP	24	1518	1530	1524	N15	W48		8207		12	SF		C		.68	.87			
HUAN	24	1534	1540	1535	N17	W48		8207		6	SF	2	C	1535	.21	.26			D
HUAN	24	1621	1626	1623	N17	W50		8207		5	SF	2	C	1623	.26	.34			D
HUAN	24	1636	1655	1641	N17	W50		8207		19	SF	2	C	1641	.41	.54			E
HUAN	24	1733	1807D		N14	W48		8207		34D	1N	2	P	1753	2.37	3.20			E
	24	1810	1815	NO FLARE PATROL															
	24	1825	1840	NO FLARE PATROL															

SOLAR FLARES

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OBSERVATORY	DATE 1966 MAR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	LOCATION 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
┌MCMA	24	1840E	1857D		N18	W52		8207		17D	1F		P	1842	1.29	2.30			FHK
└HUAN	24	1843	1857	1849	N17	W47		8207		14	SF	1	C	1849	.26	.34			E
HUAN	24	1858	1930	1915	N17	W51		8207		32	SB	2	C	1915	.93	1.22			E
	24	1945	1955	NO FLARE PATROL															
LOCK	24	1955E	2018U	1958U	N15	W45		8207		23U	SN		C	1958	.70	1.10		20	
LOCK	24	2032	2051	2041	N14	W56		8207		19	1B		C	2041	1.60	3.00		20	
┌CULG	24	2228	2340	2242	N14	W54		8207		72	1B		C	2242	2.89	5.04			TW
├MANI	24	2233	2256	2240	N17	W49		8207		23	1N	2		2240	2.24	3.21			
├CULG	24	2258	2306	2302	N21	W50		8207		8	SN		C	2302	.62	1.08			LT
└CULG	24	2322	2337	2326	N20	W48		8207		15	SN		C	2326	1.13	1.98			HT
┌CULG	25	0009E	0156	0041	N20	W52		8207		107D	2B		P	0041	6.70	11.70			
├MANI	25	0034E	0051D	0038	N17	W50		8207		17D	1N	2		0038	1.80	2.63			
└MANI	25	0117	0133	0122	N24	W48		8207		16	SF	2		0122	.51	.86			
┌MANI	25	0143	0340	0201	N17	W52		8207		117	3N	2		0201	8.51	13.60			
├KODA	25	0145	0257	0151	N20	W54		8207		72	1B		V	0157	1.94	3.66	3.44	122	H
├CULG	25	0150	0444	0202	N20	W55		8207		174	4B		C	0202	18.56	40.50			FILSTU
├SIBE	25	0155E	0315	0158	N20	W53		8207		80D	2N		C	0158	2.95	5.90		88	C
└KODA	25	0320E	0329		N20	W54		8207		9D	1N		P	0320	2.58	5.15			
┌CULG	25	0500	0557D	0520	N14	W54		8207		57D	3B		P	0520	11.96	23.20			HLT
├MANI	25	0513	0549	0523	N14	W52		8207		36	2N	2		0523	7.01	11.00			
├KODA	25	0515	0540	0518	N13	W55		8207		25	2B		C	0515	6.45	11.85	3.64		H
└ATHN	25	0516E	0527	0518	N17	W56		8207		11D	SB	2		1518	.83	1.60	2.00		
CULG	25	0616	0626D		N12	W56		8207		10D	1F		P	0626	2.06	4.00			HLT
┌ATHN	25	0749	0814	0754	N18	W53		8207		25	1N	2		0754	1.32	2.40	1.70		
├MANI	25	0750	0809	0756	N17	W53		8207		19	SN	2		0756	.80	1.84			
├CAPS	25	0800E	0802D		N16	W53		8207		2D	1N	1			1.80	2.40			G
└CATA	25	0802	0810	0803	N18	W53		8207		8	1N			0803	1.46	2.00		151	
┌ATHN	25	0815	0826	0819	N17	W55		8207		11	1N	2		0819	1.32	2.50	1.80		
├CATA	25	0815	0830	0817	N14	W57		8207		15	SN			0817	.84	1.00		162	
└ARCE	25	0825E	0853		N18	W58		8207		28D	SN		C	0825	.87	1.60			H
ATHN	25	0920	0926	0923	N17	W60		8207		6	SB	2		0923	.15	.40	1.20		
┌ARCE	25	0935	1000D	0935	N16	W58		8207		25D	SN		C	0935	.68	1.20			HE
└MANI	25	0936	0949	0939	N15	W55		8207		13	SF	2		0939	.40	.68			
┌CATA	25	1000	1024	1012	N15	W57		8207		24	2B			1012	4.19	9.00		217	
└ATHN	25	1009E	1024	1014	N17	W58		8207		15D	1N	2		1014	1.32	2.60	1.80		
┌KIEV	25	1214E	1221D	1217	N20	W60		8207		7D	2N		C	1217	6.19			60	DI
└ATHN	25	1214	1222	1216	N18	W58		8207		8	SN	2		1216	.66	1.50	1.60		
OTTA	25	1230	1235	1232	N16	W61		8207		5	SN		C	1232	.57	1.30			T
┌OTTA	25	1311	1313	1312	N19	W57		8207		2	SF		C	1312	.57	1.23			
└OTTA	25	1312	1320	1316	N17	W61		8207		8	1N		C	1316	1.36	3.14			LT
┌OTTA	25	1325	1348D	1332	N14	W62		8207		23D	1N								
├OTTA	25			1346									C	1346	1.13	2.61			KT
└HUAN	25	1343E	1349	1346	N17	W61		8207		6D	SN	1	P	1346	.41	.65			CEH
HUAN	25	1401	1416		N25	W60		8207		15	SF	1	C	1412	.36	.60			D
┌HUAN	25	1514	1558	1538	N16	W62		8207		44	1B	2	C	1538	1.50	2.50			EHK
├HUAN	25			1542										1542	1.65	2.70			
├OTTA	25	1525	1555	1541	N13	W64		8207		30	3F		C	1541	9.11				ITZ
├CAPS	25	1530	1548		N17	W57		8207		18	1B	2		1541	1.90	3.80		216	G
└ATHN	25	1532	1543	1534	N17	W60		8207		11	SB	2		1534	.66	1.50	2.00		
┌HUAN	25	1616	1706	1635	N13	W58		8207		50	1B	2	C	1635	1.60	2.45			K
├HUAN	25			1654										1654	1.86	2.85			
└OTTA	25	1654E	1700		N13	W57		8207		6D	1B	2	C	1655	1.61	3.28			ET
OTTA	25	1720	1725	1722	N19	W61		8207		5	SN	2	C	1722	.34				
OTTA	25	1739	1742	1740	N15	W58		8207		3	SN	2	C	1740	.11	.24			
OTTA	25	1756	1802	1758	N14	W62		8207		6	SN	1	C	1758	.34				
	25	1840	1845	NO FLARE PATROL															
HUAN	25	1901	1905	1903	N15	W62		8207		4	SF	2	C	1903	.26	.42			D
┌CLMX	25	1930	1958	1937	N14	W63		8207		28	SN		C	1937	.50	.80			
├SACP	25	1931E	1936D	1932U	N16	W60		8207		5D	1N		P		1.69	2.69			
├CLMX	25	1931	1941		N17	W59		8207		10	SN		C	1934	.20	.30			
├MCMA	25	1932E	1933D		N17	W62		8207		1D	SB		P	1932	.62	1.50			E
└HUAN	25	1952E	2002		N17	W66		8207		10D	SF	1	P	1953	.46				E
	25	2015	2030	NO FLARE PATROL															
	25	2040	2050	NO FLARE PATROL															
- CLMX	25	2051E	2103	2054	N17	W59		8207		12D	SN		C	2054	.40	.60			
CLMX	25	2109	2117	2114	N14	W63		8207		8	SN		C	2114	.50	.80			
┌LOCK	25	2225	2247	2236	N16	W59		8207		22	SN		C	2236	.80	1.60		20	
├CULG	25	2225	2303	2233	N16	W60		8207		38	1N		C	2232	2.06	4.50			
├MANI	25	2228	2249	2233	N16	W63		8207		21	1N	1		2233	3.30	6.60			
└CLMX	25	2231	2244	2233	N17	W61		8207		13	SN		C	2233	.50	.80			
┌LOCK	25	2332	2344	2337	N15	W59		8207		12	SN		C	2337	.50	1.00		20	
├IKOM	25	2337	2355D	2337	N18	W64		8207		18D	1N		V	2337	.77	2.00		95	D
└IKOM	25			2347										2347	.72	1.90		110	
┌IKOM	26	0021E	0028D	0023	N18	W60		8207		7D	2N		V	0025	2.17	4.80		120	E
├SACP	26	0021	0037E	0027	N15	W62		8207		16D	2N		C		3.39	5.66			
├LOCK	26	0026	0035D	0032U	N15	W59		8207		9D	SN		C	0032	.50	1.00		20	
├IKOM	26	0030E	0036D		N18	W64		8207		6D	1F		V	0031	.72	1.90			D
├MANI	26	0030	0040	0033	N16	W61		8207		10	1N	2		0033	1.30	2.34			
├SACP	26	0038	0056D	0043U	N16	W69		8207		18D	2N		P		3.49	6.91			
├MANI	26	0042	0120	0055	N17	W68		8207		38	2N	2		0055	4.23	9.00			
└IKOM	26	0043E	0108D	0100	N18	W65		8207		25D	2B		V	0100	2.27	6.40		120	E
CULG	26	0131E	0206	0135	N12	W69		8207		35D	1B		P	0135	1.03				
┌CULG	26	0300	0338	0313	N17	W64		8207		38	SN		C	0313	.62	1.50			
├MANI	26	0306	0320	0309	N15	W62		8207		14	SN	2		0309	.60	1.20			
└KODA	26	0325E	0347D		N16	W65		8207		22D	1F		P	0347	1.73				
MANI	26	0433	0445	0435	N18	W59		8207		12	SN	2		0435	.41	.75			
MANI	26	0821	0831	0823	N18	W68		8207		10	SN	2		0823	.26	.55			
┌CAPS	26	0910E	0922		N17	W66				12D	SN	3		0913	.70	1.60		162	GDI
└KANZ	26	0916E	0928D		N18	W64		8207		12D	SN								
KANZ	26	0935E	0950D		N14	W70		8207		15D	1F								
ATHN	26	1104	1114	1106	N17	W71		8207		10	SN	2		1106	.66		1.80		

SOLAR FLARES

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OBSERVATORY	OBSERVED UT DATE 1966 MAR	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
HUAN	26	1221E	1320	1229	N18	W70		8207		59D	1N	2	C	1229	1.86				CEH
HUAN	26			1239										1239	1.50				
CAPS	26	1237E	1252		N24	W65		8207		15D	1N	3		1242	2.00	5.00		169	G
KANZ	26	1242E	1255		N13	W70		8207		13D	SN								
ATHN	26	1242E	1303D	1245	N17	W72		8207		21D	1N	1		1245	1.32		1.90		
KANZ	26	1252	1303		N19	W69		8207		11	SN								
KANZ	26	1258	1320		N15	W71		8207		22	SN								H
MCMA	26	1709E	1736	1719	N17	W71		8207		27D	1N		P	1719	1.24	2.20			E
SACP	26	1711E	1730	1718U	N16	W69		8207		19D	1N		P		1.87	3.78			
HUAN	26	1721E	1723D		N16	W72		8207		2D	SN	1	P	1722	.88				E
SACP	26	1843E	1916	1852	N16	W69		8207		33D	2N		C		5.09	10.29			
LOCK	26	1848	1908	1853	N15	W68		8207		20	1B		C	1853	1.00	2.70		20	
MCMA	26	1849E	1916	1852	N16	W71		8207		27D	2B		P	1852	2.58	5.20			E
OTTA	26	1901E	1913D		N13	W70		8207		12D	SB	1	C	1902	.45				E
HUAN	26	1905E	1919		N13	W72		8207		14D	1F	1	P	1905	.98				E
OTTA	26	1944	1954		N18	W69		8207		10	SF	1	C	1949	.34				
LOCK	26	2015	2056	2023	N15	W80		8207		41	1B		C	2023	.70	2.40		20	H
SACP	26	2020	2030	2026	N16	W79		8207		10	SF		C		1.10				
MCMA	26	2028E	2032D		N18	W85		8207		4D	SF		P	2030	.21				D
CULG	26	2240	2303	2250	N18	W79		8207		23	SN		C	2250	1.03				
MANI	26	2246	2313	2250	N17	W77		8207		27	1B	2		2250	1.40	3.48			
MANI	27	0011	0022	0013	N17	W78		8207		11	SN	2		0013	.41	1.06			
KANZ	27	0750E	1015		N20	W79		8207		145D	SN								K
KANZ	27	0801	0823D		N13	W80		8207		22D	1N								
MANI	27	0805	0836	0810	N18	W80		8207		31	2N	2		0810	2.00	5.20			
ATHN	27	0807	0819	0810	N17	W85		8207		12	1N	1		0810	.66		1.90		
MANI	27	0854	0903D	0857	N20	W80		8207		9D	SN	2		0857	.38	1.00			
KANZ	27	1040E	1053		N20	W80		8207		13D	SN								
KANZ	27	1120E	1132		N15	W80		8207		12D	1N								
ATHN	27	1121E	1127	1125	N19	W80		8207		6D	SB	2		1125	.23		2.00		
ATHN	27	1218	1237	1223	N18	W85		8207		19	1N	2		1223	.50		1.90		
LOCA	27	1310E	1355		N15	W82		8207		45D	1N		S						
OTTA	27	1319	1346		N29	E90		8223		27	SN	1	C	1328	.17				
OTTA	27	1312	1335	1318	N13	W90		8207		23	SN	1	C	1318	.34				
MCMA	27	1314	1332	1318	N14	W88		8207		18	SN		C	1318	.26				D
KAND	27	1323	1400D		N17	W85		8207		37D	1N		C						
KANZ	27	1327E	1345		N15	W85		8207		18D	SN								
OTTA	27	1340	1412D		N17	W90		8207		32D	SN	1	C	1352	.28				
KANZ	27	1342	1420		N20	W85		8207		38	SN								
ATHN	27	1403	1416	1407	N18	W85		8207		13	SN	1		1407	.17		1.80		
SACP	27	1437D	1442D	1440	N28	E86		8223		5D	SF		P		.34				
OTTA	27	1437	1443D		N28	E90		8223		6D	SN	1	C	1438	.28				JT
MCMA	27	1437	1450D	1438	N29	E90		8223		13D	SF		C	1438					D
OTTA	27	1500	1506D		N18	W90		8207		6D	SN	1	C	1503	.11				J
CLMX	27	1510E	1552		N27	E90		8223		42D	1N		C	1525	.70	3.50			
MCMA	27	1729E	1737		N29	E90		8223		8D	SF		P	1729					E
CLMX	27	1734	1830	1745	N24	E90		8223		56	1B		C	1745	.70	3.50			
OTTA	27	1851	1854		N29	E90		8223		3	SB	1	C	1852	.29				E
CLMX	27	1900	1909D		N24	E90		8223		9D	1B		C	1905	.50	2.50			
HALE	27	1932	1946	1937	N29	E90		8223		14	SN	2	C	1937	.40				H
HALE	27	1956	2015	2006	N30	E90		8223		19	1B	3	C	2006	.70				F
LOCK	27	2002	2028	2013	N30	E90		8223		26	SN		C	2013	.40	1.60		20	
HALE	27	2256	0030	2350	N29	E80		8223		94	1N	2	C	2350	.60				F
SACP	27	2331U	2336D	2335	N28	E81		8223		5U	SN		P		.68				
KODA	28	0150E	0210	0150	N27	E87		8223		20D	1N		S	0150			2.32	114	
HALE	28	0326	0410	0348	N30	E80		8223		44	1N	2	C	0348	.90				
MANI	28	0419E	0428D		N28	E75		8223		9D	SB	2		0420	.46	.46			
TACH	28	0435E	0459D	0457	N28	E86		8223		24D	2F		C	0457	2.27		2.40	75	EY
MANI	28	0442	0509D	0445	N28	E75		8223		27D	1B	2		0445	.95	2.10			
KODA	28	0450	0457	0505	N27	E87		8223		7	1B		C	0505			3.20	122	
CAPS	28	1108	1125		N25	E72		8223		17	SN	2		1117	.40	1.40		182	D
HERS	28	1113E	1124	1115	N27	E74		8223		11D	SN		P	1115	.15	.80			D
ATHN	28	1148	1202	1152	N27	E74		8223		14	1B	2		1152	.99		2.00		
MEUD	28	1150	1200D		N26	E88		8223		10D	1B		C	1156	1.80				
CAPS	28	1151E	1201		N27	E74		8223		10D	1N	1		1153	1.80	5.00		182	G
CAPF	28	1152E	1230	1153	N26	E72		8223		38D	1N		C	1204	1.46	2.00			H
HUAN	28	1215E	1238		N29	E81		8223		23D	SF	1	P	1225	.57				D
MCMA	28	1222E	1250		N30	E85		8223		28D	1B		P	1225	1.03				E
KAND	28	1234	1241		N28	W80		8207		7	SN		C						
HUAN	28	1255	1354D	1308	N29	E80		8223		59D	SF	1	C	1308	.36				EK
HUAN	28			1340										1340	.41				
MCMA	28	1300E	1406D	1311	N29	E85		8223		66D	1B		C	1311	.83				K
MCMA	28			1340															K
SACP	28	1408	1416	1412	N28	E77		8223		8	SF		C		.42				
MCMA	28	1409	1415	1411	N28	E85		8223		6	SB		C	1411	.21				D
SACP	28	1441	1521	1508	N15	W88		8207		40	1B		C		2.56				
CLMX	28	1459	1523		N15	W90		8207		24	2B		C	1505	1.20	6.00			
CAPS	28	1500	1521		N17	W90		8207		21	2F	2			5.50				
MCMA	28	1502	1518	1505	N14	W90		8207		16	1B		C	1505					A
CLMX	28	1542	1817		N29	E90		8223		155	1B		C	1553	.70	3.50			
HALE	28	1805	1814	1809	N28	E70		8223		9	SB	3	C	1809	.20				
MCMA	28	1806	1814	1807	N29	E76		8223		8	SF		C	1807	.26				D
CLMX	28	1821	1833	1828	N30	E90		8223		12	1B		C	1828	.70	3.50			
HUAN	28	1837E	1843		N29	E80		8223		6D	SF	1	P	1837	.31				E
CLMX	28	1843	1859	1849	N30	E90		8223		16	1B		C	1849	.70	3.50			
MCMA	28	1910	1936	1916	N30	E78		8223		26	1B		C	1916	.93				EH
LOCK	28	1910	1940	1922	N27	E66		8223		30	1B		C	1922	1.10	3.00		20	
HALE	28	1910	1940	1917	N29	E67		8223		30	1B	3	C	1917	1.80				
CLMX	28	1938	1949	1943	N30	E90		8223		11	1B		C	1943	.50	2.50			
CLMX	28	2042	2057	2047	N30	E90		8223		15	1B		C	2047	.60	3.00			
MCMA	28	2104	2109	2106	N30	E77		8223		5	SN		C	2106	.31				D
MCMA	28	2122	2128	2123	N30	E78		8223		6	SF		C	2123	.21				DH
HALE	28	2306	2337	2312	N29	E65		8223		31	1N	3	C	2312	1.00				

SOLAR FLARES

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	— MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 MAR																		
LOCK	28	2355	0053	2413	N27	E66		8223		58	1B		C	0013	.90	2.70		20	
CULG	28	2356	2400D	2400	N28	E70		8223		4D	SN		P	2400	2.06				
MANI	29	0101E	0200		N29	E69		8223		59D	2B	1		0136	3.00	6.82			
HALE	29	0108	0120	0114	N28	E64		8223		12	SF	2	C	0114	.40				
VORO	29	0144	0201	0149	N30	E66		8223		17	SN		C	0149	.63	1.19		55	DJK
KODA	29	0150	0201	0157	N27	E65		8223		11	1F		V	0156	1.94		2.12	114	
MANI	29	0258	0322D	0305	N29	E66		8223		24D	SN	2		0305	.62	1.33			
VORO	29	0310	0319	0313	N29	E66		8223		9	SB		C	0313	.36	.68		68	DHJ
KODA	29	0315E	0317D		N27	E64		8223		2D	SF		P	0315	.32				
HALE	29	0324	0404	0329	N28	E65		8223		40	3B	2	C	0329	5.47				F
MANI	29	0324	0418	0335	N31	E70		8223		54	2B	2		0335	2.30	5.16			
VORO	29	0325	0341D	0329	N30	E66		8223		16D	SB		C	0329	.90	1.70		100	DHJ
CULG	29	0325	0355	0330	N28	E69		8223		30	3B		C	0330	9.28				
KODA	29	0327	0348	0330	N27	E64		8223		21	2N		C	0330	2.26		3.40	122	
CULG	29	0638	0734D	0703	N28	E67		8223		56D	SN		P	0703	.62				K
ATHN	29	0658E	0709	0700	N27	E65		8223		11D	SN	2		0709	.60		1.60		
MANI	29	0700E	0715D		N27	E64		8223		15D	SN	2		0705	.52	1.00			
MONT	29	0725E	0830		N31	E65		8223		65D	1N			0746	2.17				
CATA	29	0745	0817	0804	N27	E65		8223		32	1N			0804	.95			172	
ARCE	29	0800E	0820D		N23	W22		8227		20D	SN		C	0800	.38	.50			E
ARCE	29	0800E	0925D	0855	N27	E61		8223		85D	2B		C	0855	3.09	6.40			H
ATHN	29	0802E	0809	0803	N27	E65		8223		7D	SN	2		0803	.56		1.50		
NERA	29	0822E	0830D		N26	E56		8223		8D	1	2							
ARCE	29	0831E			N27	E61		8223			1N		P	0831	2.22	4.60			O
MONT	29	0832	0915		N31	E64		8223		43	1N			0846	2.17				
CAPS	29	0931	0938		N25	E58		8223		7	SF	3		0934	.80	1.70		150	GJ
ARCE	29	0935E	1003D		N23	W22		8227		28D	SF		C	0955	1.41	1.80			H
ARCE	29	0940E	1020D	0958	N27	E60		8223		40D	2B		C	0958	3.61	7.40			H
LOCA	29	0940E	1020	0950	N27	E62		8223		40D	1N		V	0950	1.68	4.50			
MONT	29	0949	1015		N31	E64		8223		26	1B			0959	1.03				
CAPS	29	0950E	1010		N26	E59		8223		20D	1B	1			1.50	2.80			GJ
KAND	29	0955	1016		N27	E66		8223		21	SN		V						
KODA	29	0957	1024	1005	N26	E58		8223		27	1F		C	1000	1.00		2.00		
CATA	29	1000	1032	1000	N27	E65		8223		32	1N			1000	2.30			186	
KANZ	29	1001E	1028		N26	E58		8223		27D	1N			1004			2.50		H
MONT	29	1024	1030		N29	E61		8223		6	S								
ARCE	29	1045E	1130D	1056	N28	E60		8223		45D	2B		C	1056	4.83	9.90			H
MONT	29	1053	1115	1056	N31	E63		8223		22	1B			1059	1.55				
CAPF	29	1054E		1054	N27	E58		8223			1N		C	1055	1.18	2.51			H
CAPS	29	1054	1114		N27	E58		8223		20	SB	2		1100	.70	1.30		234	GDJ
KODA	29	1054	1115	1054	N26	E62		8223		21	2N		C	1055	2.58		3.48		H
HERS	29	1055E	1119D	1055E	N27	E58		8223		24D	SN		P	1058	.46	1.20			E
CATA	29	1055	1130	1059	N27	E65		8223		35	2B			1059	2.96			288	
KODA	29	1118	1125D	1121	N26	E62		8223		7D	2N		C	1120	2.90		3.80		H
MONT	29	1124E	1150		N29	E61		8223		26D	S								
OTTA	29	1139E	1215	1157	N28	E57		8223		36D	1N								CFKT
OTTA	29			1203										1203	1.43	3.30			
MONT	29	1153	1406		N31	E61		8223		133	1N			1217	1.65				
MEUD	29	1158	1206D		N24	E59		8223		8D	SF		C	1203	.44				D
MEUD	29	1216	1224D		N23	W30		8227		8D	SN		C	1218	.90	1.20			E
MCMA	29	1213E	1255		N25	E59		8223		42D	1F		C	1213	1.55	3.60			BF
OTTA	29	1229	1234	1233	N25	E56		8223		5	SN			1233	.77	1.63			
MEUD	29	1236E	1246		N24	E58		8223		10D	SF		C	1243	.44				D
OTTA	29	1237	1249		N24	E58		8223		12	SF			1240	.66	1.48			GH
MCMA	29	1316	1327	1317	N28	E58		8223		11	SN		C	1317	.21	.50			D
MONT	29	1333	1350		N28	W22		8227		17	S								
MCMA	29	1337	1345	1338	N23	W29		8227		8	SF		C	1338	.41	.60			E
SACP	29	1337E	1349	1338	N23	W28		8227		12D	SN		P		1.03	1.15			
SACP	29	1338	1411	1350	N27	E62		8223		33	1N		C		1.28	2.34			
OTTA	29	1344	1353	1348	N29	E57		8223		9	1F			1348	1.76				G
MCMA	29	1345E	1353	1348	N25	E57		8223		8D	1B		C	1348	1.13	2.10			E
CAPS	29	1346	1405D		N26	E57		8223		19D	SN	2		1353	.80	1.90		165	GD
MEUD	29	1348	1400	1349	N26	E58		8223		12	SN		C	1349	.90				
MCMA	29	1358	1406	1400	N24	E57		8223		8	SN		C	1400	.21	.50			D
OTTA	29	1359	1403	1402	N27	E56		8223		4	1N			1402	.99	2.22			T
MEUD	29	1405	1412	1406	N24	E58		8223		7	SN		C	1406	.60				D
ARCE	29	1415E	1435D		N22	W26		8227		20D	SN		P	1415	1.00	1.20			
SACP	29	1441	1515	1451	N23	W26		8227		34	1B		C		4.44	4.91			
OTTA	29	1446	1453	1450	N23	W27		8227		7	1F			1450	2.32	3.03			
SACP	29	1504	1541	1526	N27	E60		8223		37	1N		C		1.45	2.54			
OTTA	29	1505	1516	1507	N29	E62		8223		11	1F			1507	1.10				T
KANZ	29	1517E	1523D		N25	E55		8223		6D	SN								D
KANZ	29	1517E	1523D		N27	E65		8223		6D	SN								D
OTTA	29	1523	1535	1526	N28	E57		8223		12	1B			1526	1.22	2.79			T
CAPS	29	1523E	1535		N26	E57		8223		12D	1N	2		1529	1.00	2.40		191	GE
SACP	29	1549	1707	1625	N28	E61		8223		78	1N		C		1.88	3.38			
OTTA	29	1659	1705	1700	N25	E55		8223		6	SB	2	C	1700	.46	.98			
MCMA	29	1602	1603D		N22	W25		8227		1D	SB		P	1602	.62	.80			E
SACP	29	1717	1736	1730	N27	E58		8223		19	1N		C		1.70	2.86			
OTTA	29	1720	1734	1729	N25	E55		8223		14	SN	2	C	1729	.40	.86			
HALE	29	1722	1735	1728	N25	E54		8223		13	SN	3	C	1728	.50	1.00			
HALE	29	1746	1831	1808	N29	E61		8223		45	1B	3	C	1808	1.40				F
OTTA	29	1746	1857	1802	N29	E61		8223		71	1N	2	C	1802	1.62				FH
SACP	29	1746	1858	1814	N28	E59		8223		72	2N		C		4.10	7.04			
LOCK	29	1751	1830	1817	N28	E51		8223		39	1B		C	1817	1.30	2.90		20	JL
HALE	29	1827	1844	1830	N25	E53		8223		17	SB	3	C	1830	.80	1.60			H
HALE	29	1843	1904	1847	N23	E53		8223		21	SB	3	C	1847	.20	.40			H
HUAN	29	2046E	2055D		N30	E64		8223		9D	SF	1	P	2046	.31				EH
HALE	29	2052	2106	2056	N24	E51		8223		14	SN	2	C	2056	.70	1.40			
LOCK	29	2053	2110	2058	N25	E53		8223		17	SN		C	2058	.50	.90		10	H
HUAN	29	2054	2057D		N25	E55		8223		3D	SF	1	P	2056	.52				H
SACP	29	2151	2238	2227	N27	E61		8223		47	1N		C		1.45	2.56			

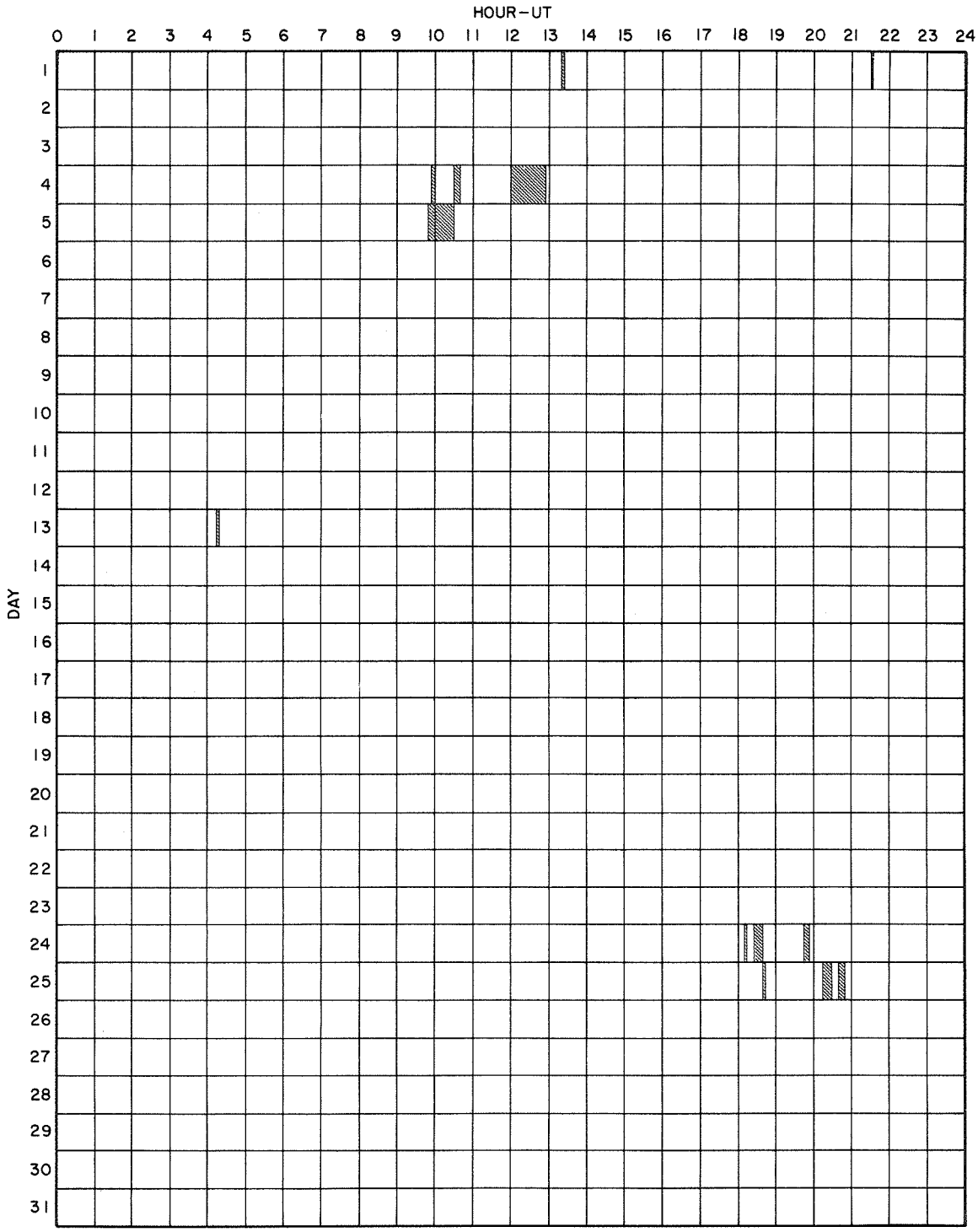
SOLAR FLARES

MARCH 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1966 MAR																		
HALE	29	2325	2336	2327	N26	E51		8223		11	SN	2	C	2327	.30	.60			
HALE	29	2358	0038	0010	N29	E66		8223		40	2B	3	C	0010	2.40				F
CULG	30	0019	0100	0038	N28	E65		8223		41	1N		C	0038	1.86				
HALE	30	0037	0057	0043	N25	E57		8223		20	1F	2	C	0043	1.20	2.70			
MANI	30	0049E	0052D		N25	E59		8223		3D	1F	1		0050	1.80	3.38			
HALE	30	0118	0129	0125	N26	E50		8223		11	SF	2	C	0125	.40	.80			
HALE	30	0158	0249	0201	N27	E50		8223		51	SB	2	C	0201	.10	.20			HK
HALE	30			0211										0211	.20	.40			
HALE	30			0232										0232	.10	.20			
MANI	30	0226	0238	0229	N26	E58		8223		12	SN	2		0229	1.09	2.07			
CULG	30	0359	0437	0401	N28	E65		8223		38	1N		C	0401	1.86				
KANZ	30	0725E	0802D		N27	E54		8223		37D	1F			0747			2.30		EH
ABST	30	0727	0802	0728	N26	E56		8223		35	1F		C	0728	1.79	3.60		68	FJKW
MONT	30	0732E	0745		N31	E58		8223		13D	S								
KANZ	30	0945E	0955D		N29	E51		8223		10D	SF								
MONT	30	1024E	1055		N31	E57		8223		31D	S			1045	1.24				
MONT	30	1055	1240		N31	E55		8223		105	1N			1119	2.06				
HUAN	30	1212	1216	1213	N27	E52		8223		4	SF	2	C	1213	.26	.39			D
HUAN	30	1241	1423	1249	N27	E47		8223		102	2N	2	C	1249	2.99	4.30			HK
HUAN	30			1255										1255	3.51	4.90			
MONT	30	1242	1350	1250	N31	E53		8223		68	1B			1300	3.09				
ATHN	30	1244E	1329D	1252	N27	E47		8223		45D	2B	2		1252	3.14	5.70	2.00		
MCMA	30	1250E			N29	E49		8223			2B		P	1250	3.87	7.50			BF
LOCA	30	1305E	1320		N28	E53		8223		15D	1N		S						
SACP	30	1309E	1412	1333	N28	E49		8223		63D	2N		P		4.82	6.96			
KANZ	30	1314E	1427		N29	E50		8223		73D	2N			1317			2.60		FH
LOCA	30	1326	1410	1340	N28	E53		8223		44	1N		V	1340	2.73	5.80			
HERS	30	1327E	1345	1327E	N28	E51		8223		18D	1N		P	1327	1.03	2.10			BE
ONDR	30	1328E	1412D		N28	E50		8223		44D	1N		V	1329			2.16		BH
CLMX	30	1342E	1414		N28	E48		8223		32D	SF		C	1345	.50	.70			
CAPF	30	1349E	1401		N26	E48		8223		12D	1N		P	1350	1.18	2.28			
MONT	30	1350	1500		N31	E55		8223		70	1N			1431	1.86				
KANZ	30	1535E	1547D		N28	E54		8223		12D	SF								D
KANZ	30	1541	1549		N28	E50		8223		8	SN								D
KANZ	30	1651E	1657D		N28	E50		8223		6D	SF								D
HUAN	30	1718E	1725D		N28	E50		8223		7D	SF	1	P	1719	.77	1.10			E
SACP	30	1734E	1814	1737	N27	E50		8223		40D	1N		P		2.71	3.93			
SACP	30	1930	2148E	2050	N28	E47		8223		138	1N		P		3.67	5.11			
HALE	30	1950	2053	2004	N28	E52		8223		63	SN	3	C	2004	.51	1.00			
MCMA	30	2012E	2014D		N28	E48		8223		2D	1F		P	2013	1.55	3.10			F
MANI	31	0008E	0025		N27	E49		8223		17D	1F	2		0010	1.30	2.12			
SACP	31	0053	0117D	0114	N29	E37		8223		24D	SN		P		1.21	1.53			
HALE	31	0110	0125	0114	N29	E37		8223		15	SB	3	C	0114	1.20	1.80			F
CULG	31	0110	0145	0113	N29	E30		8223		35	1N		C	0113	1.44	2.10			L
SIBE	31	0111E	0122D	0114	N27	E38		8223		11D	SF		C	0114	.13	.18		68	E
MANI	31	0111	0125	0115	N25	E37		8223		14	1N	2		0115	3.20	4.35			
MANI	31	0145	0151D		N24	E43		8223		6D	SN	2		0146	1.00	1.50			
CULG	31	0205	0221	0208	N24	E40		8223		16	SN		C	0208	.62	.84			L
HALE	31	0214	0224	0216	N29	E42		8223		10	SF	2	C	0216	.20	.30			
HALE	31	0237	0258	0243	N19	E24		8226		21	SN	3	C	0243	.51	.60			FU
MANI	31	0416E	0429		N22	E44		8223		13D	SN	1		0420	.20	.30			
CULG	31	0630	0645	0634	N29	E39		8223		15	SN		C	0634	1.24	1.68			
KANZ	31	0731	0800		N27	E44		8223		29	1N			0730			2.60		F
ARCE	31	0810E	0910D	0830	N29	E48		8223		60D	1N		C	0830	2.16	3.80			HZ
CAPS	31	0816E	0841		N23	E42		8223		25D	SF	3		0922	.60	.90		158	GL
KANZ	31	0820	0841D		N25	E42		8223		21D	SF								E
CATA	31	0820	0845	0830	N25	E43		8223		25	1N			0820	1.46			151	
ZURI	31	0820E	0850	0835	N28	E41		8223		30D	2N		V			6.30			
KANZ	31	0943E	0948D		N25	E42		8223		5D	SN								
ATHN	31	1116	1130	1120	N27	E34		8223		14	SN	1		1120	.66	1.00	1.50		
OTTA	31	1245E	1315		N27	E40		8223		30D	S	1	P	1249	.17	.27			
SACP	31	1306E	1339	1327	N28	E39		8223		33D	1F		P		2.41	3.07			
SACP	31	1341	1514	1412	N27	E35		8223		93	1N		C		3.85	4.69			
MCMA	31	1343	1348	1345	N27	E29		8223		5	SN		C	1345	.26	.30			D
OTTA	31	1344	1347D		N27	E30		8223		3D	SF	2	C	1346	.29	.40			
MCMA	31	1350	1402	1355	N29	E32		8223		12	SN		C	1355	.52	.80			E
OTTA	31	1357E	1430		N28	E40		8223		33D	SN	1	C	1419	.46	.71			F
OTTA	31	1408	1414	1410	N27	E29		8223		6	SN	2	C	1410	.74	1.03			
MCMA	31	1408	1445	1412	N29	E30		8223		37	SN		C	1412	1.24	1.70			E
CLMX	31	1409	1424	1415	N27	E32		8223		15	SF		C	1415	.80	.96			
HUAN	31	1411E	1420D		N27	E35		8223		9D	SF	1	P	1411	.72	.90			E
MCMA	31	1447	1515	1449	N29	E31		8223		28	SF		C	1449	.77	1.10			E
OTTA	31	1523	1526	1524	N25	E29		8223		3	SF	1	C	1524					
MCMA	31	1524	1529	1525	N28	E28		8223		5	SN		C	1525	.62	.90			E
OTTA	31	1605	1608	1607	N27	E28		8223		3	SF	1	C	1607	.45	.62			
OTTA	31	1621	1627		N26	E27		8223		6	SF	1	C	1623	.23	.33			
SACP	31	1807	2045	1911	N28	E36		8223		158	2B		C		8.95	11.09			
HALE	31	1809	1820	1812	N28	E29		8223		11	SN	2	C	1812	.26	.40			F
MCMA	31	1811	1820	1813	N28	E28		8223		9	SN		C	1813	.26	.40			D
CLMX	31	1822E	2036D		N28	E35		8223		134D	1B		C	1912	1.70	2.00			
HALE	31	1822	2042	1831	N30	E36		8223		140	2N	2	C	1831	.62	1.00			FK
HALE	31			1907										1907	5.36	8.20			
MCMA	31	1823	1829D	1829	N28	E32		8223		6D	2B		C	1907	5.16	8.00			FIK
HUAN	31	1824	2016		N28	E35		8223		112	2N	2	P	1907	3.92	4.90			K
HUAN	31			1933										1933	2.37	2.96			
LOCK	31	1850	2005	1906	N30	E36		8223		75	1N		C	1906	2.60	3.20		20	
LOCK	31			1934															
MCMA	31	1854	2039	1907	N28	E32		8223		105	2B		C	1907	5.16	8.00			FIK
HALE	31	1913	1935	1918	N28	E27		8223		22	SF	2	C	1918	.52	.70			
SACP	31	2135	2145	2140	N29	E42		8223		10	SN		C		.60	.79			
HALE	31	2135	2146	2141	N29	E41		8223		11	SN	1	C	2141	.31	.50			

INTERVALS OF NO FLARE PATROL OBSERVATIONS

MARCH 1966



Observatories included:

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

IIIu

SOLAR RADIATION MONITORING SATELLITE

X-RAY OBSERVATIONS

ABERDEEN, SOUTH DAKOTA — JUNE 1966

OUTSTANDING EVENTS					
DATE	Times of Observation	44-60A	8-12A	0-8A	0-3A
June 1	1602 1614	2.0×10^{-1}	$> 3.4 \times 10^{-3}$	1.2×10^{-3}	2.0×10^{-5}
14	2004 2015	1.5×10^{-1}	2.2×10^{-3}	9.7×10^{-4}	2.2×10^{-5}
15	1936 1947	1.5×10^{-1}	2.3×10^{-3}	7.6×10^{-4}	7.8×10^{-6}
23	1024 1032	1.6×10^{-1}	2.5×10^{-3}	7.8×10^{-4}	8.8×10^{-6}
25	1622 1634	----	6.2×10^{-3}	2.6×10^{-3}	3.0×10^{-5}
26	1551 1605	----	3.5×10^{-3}	1.1×10^{-3}	1.7×10^{-5}
27	1522 1534	1.6×10^{-1}	2.8×10^{-3}	7.1×10^{-4}	5.3×10^{-6}
28	1310 1321	8.3×10^{-2}	3.8×10^{-3}	1.2×10^{-3}	1.8×10^{-5}

Because of a revision in flux conversion factors the values given here in the 44-60A band are 63% of those as given in previous reports.

IONOSPHERIC EFFECTS OF SOLAR FLARES

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

MAY 1966

MAY 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
02	0153	0258	0200	1					14				AN(NPM26-14)	
04	0152	0240	0212	1						1+			ND	0150
04	0152	0240	0212	1						1+			ND	
04	0153	0208	0157	1		21	2						MA	
04	0153	0223	0156	4	S 1								MA TO	
04	0153	0258	0200	1					65				MA(NPG18-65)	
04	0207	0210		1								1	MA	
04	0207	0237	0216	1		32	2						MA	
06	1920	1922		4								1	MC BO	1858
07	1905	1950		4								1	BO MC SERIES OF BURSTS	
07	2022	2055	2038	1					18				AN(NPM26-14)	
08	0431	0437	0434	1			1-							0429E
08	0431	0449	0438	4	SL 1-								MA OK	
08	0432	0437		1								1	MA	
08	1829	1831		4								1	MC BO	
08	1831	1833		4								1	MC BO	
08	2110			3								1	BI AN	
09	0430	0438		1								2	MA	
09	0431	0438	0435	1			1-						MA	
09	0434	0454	0446	1					12				MA(NPG18-12)	0429E
09	2031	2033		4								1	MC BO	2029
09	2135	2141		5								2	MC BO HA	2138E
11	2054	2057		4								1	BO	2048
11	2055	2240	2110	5					43				HA(WWVB60-43,WWVL20-40) BO(13-42,10-40, NSS88-32,NBA24-31)	
11	2057	2101		4								1	MC (DOUBLE BURST)	
11	2058	2120	2109	4		23	1						BO	
11	2100	2140	2112	5	SL 2								MC AN BE TO	
11	2100	2215		1				2					A3	
11	2121	2130		4								1	MC BO SERIES OF BURSTS	2048
15	1751	1752		4								1	MC BO	1752
15	1752	1754		4								1	MC BO	1752
15	1754	1755		4								1	MC BO	1752
15	1902	1904		5								1	MC BO HA	1901
15	1905	1907		5								1	MC BO HA	1901
16	1755	1757		4								1	MC BO	
16	1807	1808		4								1	MC BO	
16	1857	1859		4								1	MC BO	
16	1905	1907		5								1	MC BO	1906
16	1908	1909		5								1	MC BO	1906
16	1930	1931		5								1	MC BO	
16	2029	2037	2030	5	S 1-								MC AN	2004
16	2040	2100		5	G 1-								AN MC	2044
16	2045	2140	2052	5					18				BO(13-18,10-18) HA(WWVL20-15)	
16	2056	2058		5								1	MC BO	
16	2146	2147		5								1	MC BO	2046
17	1638	1639		4								1	MC	1628E
17	1639	1641		5								1	MC BO	1628E
17	1642	1643		4								1	MC	1628E
17	1643	1645		4								1	MC	1628E
17	1733	1734		4								1	MC	1733
17	1735	1805	1742	2				2					A5 A1 A3 A19	1732
17	1800	1801		4								1	MC BO	1754
18	1603	1605		4								1	MC	
18	1708	1710		5								1	MC BO	
19	1510	1600		1					15				AN(WWVL20-15)	1512E
19	2221	2239	2129	1		16	1						BO	
19	2315	0010		1					15				HA(WWVL20-15)	2312
19	2321	2339	2130	1		07	1						BO	
20	1526	1527		1								1	MC	1523
20	1551	1552		1								1	MC	1523
20	1630	1632		1								1	MC	1622
21	1835	1839	1836	1							03		BO(WWV15-0.3)	1833
24	1355	1357		5								1	MC BO	
24	1357	1359		5								1	MC BO	
24	1406	1408		1								1	BO	1411E
24	1408	1411		1								1	BO	1411E
24	1411	1413		1								1	BO	1411E
24	1413	1414		1								1	BO	1411E
24	1414	1420		5								2	MC RO	1414
24	1414	1420		1								1	BO DOUBLE BURST	1414

IONOSPHERIC EFFECTS OF SOLAR FLARES

MAY 1966

MAY 1966	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	BUR	STATIONS	KNOWN FLARE
24	1425	1430		1								1	BO	1414
24	1653	1655		4								1	MC BO _	1642E
24	1741	1744		4								1	MC BO DOUBLE BURST	
24	1748	1750		4								1	MC BO	
24	1751	1752		4								1	MC BO	
25	0623	0652	0640	1					16				MA(NPG18-16)	0625
25	1312	1314		4								1	MC RO	1313E
25	1436	1437		1								1	MC	
25	1531	1539		5								3	MC BO RO	1530
25	1531	1555	1540	5		19	1						BO MC RO	
25	1533	1537	1534	1							02		BO(WWV15-0.2)	
25	1536	1602	1540	3	S 1-								MC BO HU WS	1534
25	1537	1610	1541	5					32				BO(10-32,13-18) HA(WWVL20-14)	
25	1610	1820		1					32				HA(WWVL20-32)	
25	1652	1654		4								1	MC BO	1644
25	1730	1734	1731	1							03		BO(WWI9-0.3)	1730
25	1838	1840		4								1	MC BO	1830
25	1852	1854		4								1	MC BO	1830
25	2155	2156		4								1	MC BO	2137
25	2348	2349		1								1	BO	2351
26	1418	1419		1								1	MC	
26	1852	1854		5								1+	MC BO HA	1848
26	1901	1902		5								1	MC BO HA	1848
26	1923	1924		4								1	MC BO	1901
26	1923	1954	1934	1		*	1						MC	
26	2021	2023		4								1	MC BO	
27	1312	1315		5								1	MC RO	
27	1407	1410	1408	1							07		BO(WWI9-0.7)	1408
27	1610	1715	1631	5		23	1						BO MC AN	
27	1617	1623		4								1	MC BO SERIES OF BURSTS	
27	1625	1628		4								1	MC BO	1622
27	1628	1629		4								1	MC BO	1622
27	1629	1631		4								1	MC BO	1622
27	1632	1634		4								1	MC BO	1622
27	1643	1647		4								1	MC BO	
27	1650	1651		4								1	MC BO	
27	1650	1659		4								1	MC BO	
27	1651	1652		4								1	MC BO	
27	1653	1655		4								1	MC BO	
27	1704	1706		4								1	MC BO	1655
27	1843	1852		4								1	MC BO	
27	2101	2103		5								1	MC BO HA	2100
28	1605	1730	1630	5					99				SL(GBZ19-120) UM (GBZ19-81,NBA24-47) BO(10-62,13-47, NSS88-25) AN(WWVL20-10)	1545
28	1614	1730	1630	5	SL 3								MC AN BE BO FM GS HU LO TR UM	
28	1615	1627	1621	1							03		BO(WWV15-0.3)	1620
28	1615	1628	1616	1				1					A3 LO	
28	1617	1702	1625	1				2					LO	
28	1621	1645	1627	1						1			A3	
28	1622	1705	1630	1						3+			UM	
30	2320	0050	0015	1					40				AN(NPM26-40)	
31	0415	0530	0437	1					99				SL(GBZ19-270)	
31	1926	1928		4								1	MC BO	1916
31	1934	1938		4								1	MC BO	
31	1940	1944		4								1	MC BO	
31	1945	1948		1								1	BO	1946
31	1952	1954		1								1	BO	1948

99 in SPA column indicates phase change greater than 99. Actual value given in station column.

RIOMETER EVENTS

MAY 1966

GREAT WHALE RIVER — 30 Mc/s

MAY 1966	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS	MAY 1966	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS
01	0122	1010	0532	19	4	13	0010	1250	0902	24	6
01	1532	1754	1559	9	1	16	1830				
02	0522	2108	0551	29	11	17		1600	0240	36	8
03	0205	0811	0303	5	4	19	0333	0603	0446	6	3
03	2017					20	0606	1334	0750	8	4
04		1920	1058	15	12	21	0120	*	0248	6	3
05	0449	*	0608	12	1	24	1043	1920	1300	6	3
05	*	1600	1305	8	2	26	0936	2036	1020	49	9
06	*	1400	0731	9	4	28	0115	0249	0151	8	3
07	0900	1940	1217	22	2	28	0540	0814	0642	18	3
07	2240		2313			29	0246	0352	0322	8	2
08		0010		24	1	29	2010	2244	2129	5	1
08	0940	2200	1721	24	2	30	0704	1033	0928	7	6
09	0200	1123	0617	8	7	30	1906				
11	2140	2236	2158	5	1	01		0942	0530	30	22
12	0250	0700	0309	11	3						

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

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

SOLAR RADIO EMISSION

OUTSTANDING OCCURRENCES

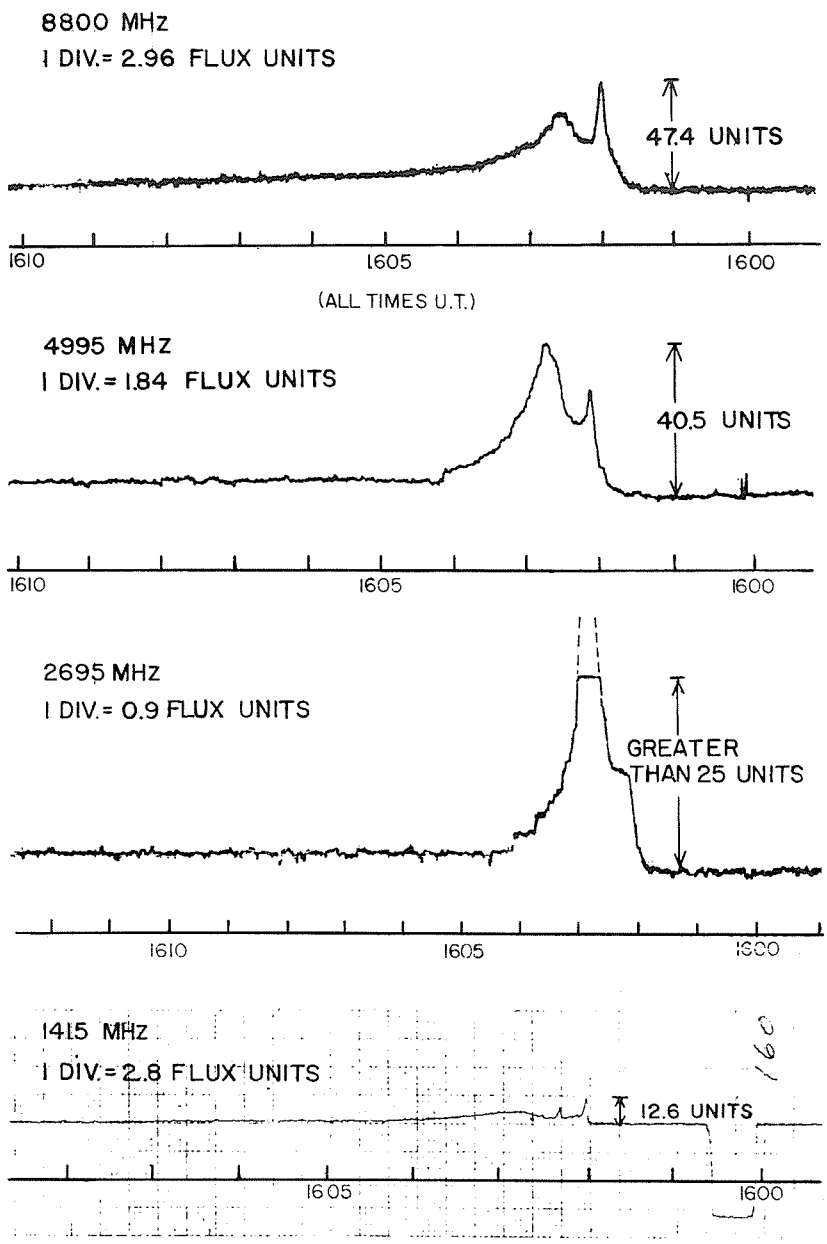
JUNE 1966

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		
JUNE										
2	2800	OTTA	1	1423	1423.5	1	4.6	2.3		
	108	BOUL	6	1423	1423.4	1.2			3	
	2800	OTTA	29	1424		5	1.2	0.6		
	108	BOUL	6	1900	1901.3	2.1			3	
10	2800	OTTA	20	0130	0148	22 D	3.0			
11	2800	OTTA	20	1135	1136	35	1.6	0.8		
	2800	OTTA	1	2159.5	2200.8	4	1.2	0.6		
	2800	OTTA	3	2349.5	2350.2	2	9.6	4.8		
12	2800	OTTA	1	0104	0106	5	1.4	0.7		
	8800	SGMR	45	1601.5	1602	3	47.4	12.0		
	4995	SGMR	45	1601.6	1602.7	2.5	40.5	11.0		
	2800	OTTA	4	1601.5	1602.5	3.5	28.0	11.0		
	2695	SGMR	45	1601.6	1602.6	1.5	25.0	7.0		
	1415	SGMR	45	1601.9	1602	2.6	12.6	3.0		
	8800	SGMR	29	1604.5	1604.5	13.5	9.4	2.8		
	4995	SGMR	29	1604.1	1604.1	12.9	3.9	1.5		
	2800	OTTA	29	1605		35	2.8	1.4		
	2695	SGMR	29	1603.1	1603.1	11.9	1.9	.5		
	1415	SGMR	29	1604.5	1604.8	1.8	5.2	2.0		
	8800	SGMR	45	2032.4	2033.2	1.8	74.6	18.0		
	4995	SGMR	3	2032.8	2033.4	1.2	10.2	2.0		
	8800	SGMR	29	2034.2	2034.7	8.8	12.4	3.0		
	4995	SGMR	29	2034	2034	6	1.9	.5		
14	2800	OTTA	21	1455	1505	50	1.8	0.9		
	2800	OTTA	1	1541	1541.5	1	1.6	0.8		
15	2800	OTTA	20	1915	1940	110	2.2	1.1		
21	606	SGMR	41	1804.6	1806.3	5.9	16.0	4.0		
22	606	SGMR	45	1423.3	1423.8	.7	6.4	1.5		
	2800	OTTA	20	2200	2305	125	2.2	1.1		
23	2800	OTTA	20	1800	1850	180	2.4	1.2		
25	2800	OTTA	28	1525		10.5	5.4	2.7		
	1415	SGMR	45	1525	1525.4	1.4	29.2	9.0		
	10700	PENN	47	1530	1534.4	58.2	58.0	26.0		
	2800	OTTA	45	1530.5	1535.5	23	98.0	54.0		
	2695	SGMR	45	U	1548.5	U	221.0	50.0		
	2690	PENN	47	1528.8	1549.7	53.8	100.0	41.0		
	1415	SGMR	47	1530	1551.3	49	780.0	150.0		
	960	PENN	47	1530.4		65.6	60.0D	30.0D		OFF SCALE
	606	SGMR	47	1530	1554.5	70	2280.0	210.0		
	328	PENN	47	1532.6	1538.6	40.2	167.0	42.0		
	2800	OTTA	30	1554		80	19.0	6.6		
	2695	SGMR	31	1550.2	1631.4	86.9	70.6	25.5		
	2800	OTTA	20	1555	1556	10	10.0	5.0		
	1415	SGMR	29	1619	1619	81	64.4	7.0		
	606	SGMR	29	1640	1640	60	23.6	5.0		
26	2800	OTTA	20	1505	1615	195	4.6	2.3		
	606	SGMR	1	1511	1511.3	1.2	2.8	1.0		
	606	SGMR	1	1537.2	1537.4	1.5	1.8	.7		
	606	SGMR	40	1609.7	1612.4	9.3	3.6	1.0		
	606	SGMR	1	1619	1621	3.5	4.8	1.0		
27	960	PENN	40	1402	1409.7	11.8	36.8	16.8		
	2800	OTTA	20	1415	1435	35	2.0	1.0		
	2800	OTTA	20	1455	1510	105	4.0	2.0		
	2695	SGMR	20	1455	1510	65	4.6	1.0		
	1415	SGMR	20	1500.6	1515	44.4	1.5	.4		
	8800	SGMR	40	2042	2100.3	U	10.2	5.0		
	2695	SGMR	40	2042	2100.3	U	5.8	3.0		
	1415	SGMR	40	2044	0009.5	U	6.0	3.0		
	606	SGMR	40	2044	2100 U	U	1.7	.8		
	606	SGMR	45	2354.3	0009.5	U	66.0	25.0		
28	2800	OTTA	20		0035	105	4.6	2.3		
	8800	SGMR	40	1043	1045	75	13.4	3.5		
	2695	SGMR	40	1043	1045	57	5.6	1.5		
	1415	SGMR	40	1043	1045	57	3.0	.8		
	606	SGMR	40	1043	1045	57	1.8	.5		
	2800	OTTA	20	1525	1555	110	2.8	1.4		
	2695	SGMR	20	1543	1551	18	6.6	3.3		
	2800	OTTA	20	2015	2115	105	2.4	1.2		
	328	PENN	5	2230	2234.4	10.2	127.0	63.0		
29	1415	SGMR	40	U	2300	U	6.0	1.5		
	606	SGMR	40	U	2300	U	3.9	1.0		
	2800	OTTA	20	1700	1705	15	1.2	0.6		
	2800	OTTA	21	1715	1730	105	2.2	1.1		
	2800	OTTA	1	1726	1727	2	1.2	0.6		
	8800	SGMR	40	2055	2300	U	20.2	5.0		
	4995	SGMR	40	2055	2134	U	12.3	3.0		
	2695	SGMR	40	2055	2300	U	7.7	2.0		

Boulder ceased operation at 108 Mc/s on June 17, 1966.

SELECTED SOLAR NOISE BURSTS
AFCRL SAGAMORE HILL

JUNE 1966



COMPLEX BURST WITH POST BURST INCREASE OBSERVED AT APPROXIMATELY 1602 U.T. JUNE 12, 1966 AT SAGAMORE HILL RADIO OBSERVATORY (AFCRL) — HAMILTON, MASS.

(NO FLUX INCREASE OBSERVED ON 606 MHz)

SOLAR RADIO EMISSION

OUTSTANDING OCCURRENCES

IVc

JULY – DECEMBER , 1965

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
JULY										
1	10700	PENN	20	1340		50 D	3.0U	1.5		
	2700	PENN	20	1840	1937	150	2.1	1.4		
4	10700	PENN	1	1841.8	1841.9	.4	12.2	5.5		
	2700	PENN	1	1841.8	1842	.6	2.6	5.7		
	314	PENN	45	1844.8	1845.6	8	139.0	48.0		
6	2700	PENN	20	2306	2309.4	10 D	19.4			
	314	PENN	5	2308	2309.7	18	14.0	2.0		
8	2700	PENN	3	2127.4	2128.6	8	22.6	7.2		
14	2700	PENN	1	2142.1	2143.3	2	5.3	1.6		
	2700	PENN	20	2144.1	2145.6	60 D	13.6			
29	960	PENN	3	1912.6	1915.6	9.7	4.6	4.0		
	2700	PENN	1	1917.8	1918.3	1.2				
	960	PENN	3	1917.5	1918.3	1.3	21.7	11.0		
	314	PENN	45	1916.8		6.2		63.0D		
AUG.										
4	2700	PENN	1	1753	1753.3	.8	2.6	1.3		
	960	PENN	1	1752.6	1753.3	1.6	89.5	44.5		
	328	PENN	45	1751.8		7	277.0	106.0		
	960	PENN	1	1849.9	1850.3	1.8	22.0	8.5		
	328	PENN	5	1850.1	1851.6	3.4	285.0	46.0		
	2700	PENN	3	2010.1	2010.2	.4	5.2	2.2		
	960	PENN	1	2009.4	2010	2	1.9	1.8		
	960	PENN	1	2010.1	2010.4	.7	5.7	2.8		
	328	PENN	5	2007.2	2010.4	4.2	301.0	280.0		
	2700	PENN	3	2036.6	2036.8	.8	2.2	0.9		
	960	PENN	1	2036.4	2037	1.6	14.0	5.5		
	328	PENN	5	2036.1		2.4	293.0	139.0		
	960	PENN	1	2119	2119.3	.5	156.0	50.0		
	328	PENN	5	2119	2119.1	.3	293.0	44.0		
	960	PENN	1	2144.3	2144.6	.5	89.0	22.0		
	328	PENN	5	2144.3	2144.4	.5	366.0	183.0		
SEPT.										
29	10700	PENN	20	1512.4	1516.6	17.2	4.1	2.1		
30	10700	PENN	20	1331.7	1339.9	95	6.8	3.5		
	10700	PENN	20	1516.8	1552	92	16.7	8.3		
	10700	PENN	20	1920.6	1943.2	125	30.0	10.1		
OCT.										
1	10700	PENN	20	2031.2	2038.8	90 D	34.8	17.4		
	2700	PENN	20	2014.2	2033.4	100 D	.3	0.1E		
2	10700	PENN	3	1247.4	1247.8	5.8	27.0	3.1		
	2700	PENN	20	1247.3	1247.9	22.9	.1E	0.1E		
	328	PENN	5	1245.8	1248.2	6.5	56.0	5.0		
	10700	PENN	3	1413.4	1413.6	16.2	11.7	3.9		
	2700	PENN	20	1413.2	1413.5	15.8	.1	0.1E		
	10700	PENN	20	1614	1624	59.6	16.1	8.1		
	2700	PENN	20	1605.2	1618.6	28.4	.1	0.1E		
	10700	PENN	20	1803.3	1814.4	42.1	4.0	3.2		
4	10700	PENN	3	1716.8	1718.4	11	7.4	2.7		
5	2700	PENN	20	1227.5	1341.6	110.6	.1	0.1E		
	328	PENN	5	1251.6	1253.2	20.2	32.0	20.2		
7	2700	PENN	3	2048.8	2051.8	4.5	21.6	7.5		
8	2700	PENN	3	1450.8	1453.6	5.4	13.3	5.6		
	10700	PENN	3	1603.6	1605.6	5.2	28.9	11.1		
	2700	PENN	3	1602.4	1605.4	5.4	6.6	3.3		
DEC.										
2	2700	PENN	45	1510.2	1512.1	3.2	13.0	2.6		
	2700	PENN	45	1513.4	1514.2	2	9.8	2.1		
	328	PENN	5	1514.5	1514.9	1	19.0	11.4		
6	10700	PENN	20	1824.3	1827.8	65.2	10.0	5.0		
8	10700	PENN	3	1714.4	1715.4	8.8	4.7	2.4		
	10700	PENN	20	1756.4		60.8	4.7	4.7		
9	10700	PENN	20	1733		55.5	4.7	2.4		
10	10700	PENN	20	1623.4		10.3	9.4	4.7		
16	10700	PENN	3	1644.5	1645.8	6.4	20.9	9.3		
24	2700	PENN	20	1613.4	1615.4	13.4	2.3	1.8		
27	2700	PENN	3	1412	1413	3.6	3.5	1.7		
30	10700	PENN	20	1453.5	1502.8	97.6	13.7	13.7		
	10700	PENN	20	1746.5		201.5	3.5	1.7		

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

MAY 1966

NANÇAY

408 Mc/s

The Interferometric Observations from Nançay for June had not been received at time of publication.

PAI

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATIONS

NANÇAY **169 Mc/s**

The Interferometric Observations from Nançay for June had not been received at time of publication.

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JUNE 1966

UNIVERSITY OF COLORADO

7.6 - 41 Mc/s

Date June 1966	Bursts				Date June 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
1 Jun	III	0009:45-0010	1+	24-41	13	III	1226-1226:30	1+	16-35
	continuum	0043-0058	1-	22-41		III	1226:30-1227:45	2	16-41
	III	1753-1753:15	1-	24-41		III	1609:30-1610:30	2	9-41
	III	1856:45-1857	1	23-39		III	1610:30-1612	2	7.6-41
	III	1911:15-1911:30	1-	24-40		III	1612:45-1613:45	2	7.6-39
	III	1913:15-1913:30	1	21-41		III	1701:15-1702	2	12-41
	III	2008:15-2008:30	1	25-36		III	1741:45-1743	2	7.6-41
	III	2017:30-2018	1-	25-34		III	1810:15-1810:30	1	22-41
	III	2023:15-2023:45	1-	24-36		III	2005-2005:30	1-	21-41
	III	2032-2032:15	1-	25-33		III	2034:30-2036	2	7.6-41
	III	2137:30-2137:45	1	24-46		III	2048:30-2050	2	7.6-41
	III	2211:15-2211:45	1+	16-41		III	2055:45-2056	1	28-35
	III	2301-2301:15	1+	22-38		III	2131:30-2133	1+	7.6-38
	III	2336:30-2336:45	1	25-41		III	2214:15-2214:30	1	25-39
	III	2339:45-2340	1-	25-36		III	2253:15-2258:15	2+	7.6-41
2	III	0059-0059:15	1	33-41		III	2318-2318:30	1+	21-38
	III	0104:45-0105:15	1+	28-39		III	2346:15-2347:30	3	14-41
	III	1244-1244:30	1-	28-41	14	III	0001-0001:45	2	20-41
	III	1423-1425:15	3	10-41		III	0001:45-0002:30	2	16-41
	III	1616:45-1617:30	1+	21-41		III	0006:30-0008:15	3	12-41
	III	1901-1904:30	2+	7.6-41		III	0011:45-0013:15	3	10-41
	II	1910:30-1914:15	1+	26-39		III	0016:15-0016:30	1	25-41
	III	2250:30-2250:45	1-	30-41		III	0122:45-0123:15	2	21-41
	III	2251:15-2252	1	22-41		III	0205:30-0206	1	21-38
4	III	1320:45-1321:15	1+	17-41	15	III	1753:30-1755:15	1	22-38
	III	1331:30-1333:15	2	16-41		III	1924:30-1925:15	1	21-41
5	III	1235:45-1237	2	21-41	17	III	2042:45-2043:15	1-	22-41
	III	1308:45-1309:30	2	21-41		III	2116:45-2117	1	20-33
9	III	1929-1929:30	1+	18-41		III	2119:15-2119:45	1+	21-41
	no observ.	1657-1801				III	2153:15-2153:30	1-	21-37
11	III	1159:15-1159:30	1+	22-41		III	2157-2157:15	1-	21-31
	III	2100:30-2101:30	2	7.6-41		III	2211:30-2212	1-	24-38
	III	2107:30-2108	2	13-41		III	2220-2220:15	1-	20-41
	III	2109:30-2111:15	2+	13-41		III	2223:15-2223:45	1-	21-37
	III	2302:15-2304:30	2	22-41		III	2237-2237:15	1-	24-36
	III	2306:15-2307:45	1	21-41	18	III	0013:15-0013:45	1-	20-33
	IV	2347:15-2358	1-	25-41		III	0025:30-0026	1-	24-41
	III	2347:15-2348:15	2	19-41		III	1215:45-1216	1	22-37
	III	2349:30-2352:45	3	11-41		II	1603:45-a1611	2	27-41
12	III	0028:15-0028:45	1+	23-41		no observ.	1611-1640		
	III	0037:45-0038:15	1	30-41	19	III	2006:30-2007	1+	22-41
	III	0040-0043:15	3	19-41	20	III	1248:30-1249:30	2	15-41
	III	0122:45-0124	2+	16-41		III	1253-1253:30	1-	24-41
	III	0126:15-0127:15	1+	22-41		III	1348:15-1348:45	1	20-41
	III	1710:15-1710:45	1	22-41		III	1548-1548:15	1-	27-39
	III	1713-1713:30	1	22-40		III	1608-1608:15	1-	24-41
	III	1745:45-1746:15	1+	21-41		III	1829:30-1831:15	2	20-41
	III	1748:15-1749	1+	25-41		III	2151:15-2151:45	2	16-41
	III	2108:30-2109:15	1+	19-41		III	2322:45-2323	1	24-37
13	III	1215:15-1215:45	1+	16-41	21	III	0107-0109:15	3	16-41

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS

JUNE 1966

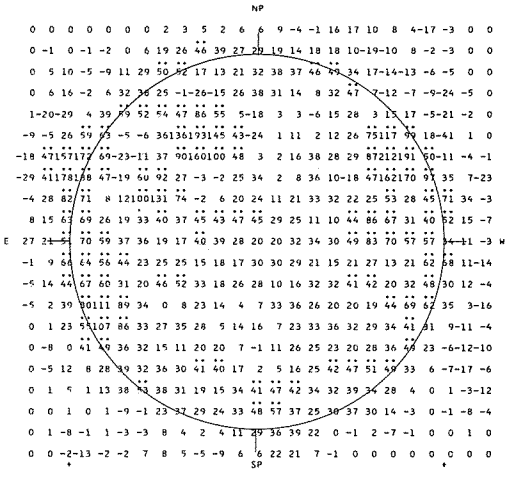
UNIVERSITY OF COLORADO

7.6-41 Mc/s

Date June 1966	Bursts				Date June 1966	Bursts			
	Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U.T.)	Intensity	Frequency Range (Mc/s)
21 Jun	III	1147-1149:45	1+	20-41	25 Jun	III	2121-2121:15	1-	22-41
	III	1610-1610:15	1-	31-41		III	2247:15-2247:30	1	24-38
	III	1701-1701:15	1-	18-41	26	III	1352-1352:15	2	16-40
	III	1749:45-1750	1	21-38		III	1602:45-1607	2	22-41
	III	1755:15-1755:45	1-	26-41		III	1701:30-1707	1	26-41
	III	1757:45-1758	1	36-41		III	2254:30-2255	1	24-41
	III	1758:45-1759:15	2	29-41		III	2255:45-2256:30	1	24-41
	continuum	1801:30-2045	1	22-41	27	III	1430:30-1431:15	1	20-41
	continuum	2145-2210	2	24-41		III	1447-1447:30	1	21-34
	continuum	2312-2329	1	19-39		III	1450:15-1450:45	1-	26-41
22	III	0012:45-0013	1	23-31		III	1456:45-1457:15	1+	22-32
	continuum	1145-0030	1	22-41		III	1500:30-1502:15	1+	21-41
23	continuum	b1201-2017	1	20-41	28	III	0008:45-0009:15	1-	21-30
	III	2045-2045:15	1	22-38		III	0015-0018:15	1	22-38
	continuum	2101-a0142	1-	24-41		III	1517-1517:15	1	32-40
24	continuum	b1159-2025	1-	22-41		III	1545:30-1545:45	1	30-38
	III	1519-1520	2	16-41		III	2019-2019:45	1	22-30
	III	2031:30-2031:45	1	22-32		III	2048-2048:30	1	20-32
	III	2051:45-2052	1	24-31		III	2216-2216:30	1	23-30
	III	2104:30-2104:45	1	26-35		III	2256-2256:30	1-	23-36
	III	2113:30-2113:45	1	20-36	29	III	1211:30-1211:45	1-	18-31
	III	2231:45-2232:15	1+	19-32		III	1642-1642:15	1-	20-33
25	III	1531:15-1532:30	2	12-41	30	III	0109:45-0112	2	19-41
	III	1535:45-1542:30	3	7.6-41		III	1317:45-1323	2	18-41
	II	1539-1607	3	10-41		III	1324:45-1325	2	22-40
	IV	1607-1940	2	22-41		III	1901:15-1901:30	1	35-41
	III	2041:45-2042	1-	26-38		III	1939:15-1939:45	1	24-34
	III	2050:45-2051	1-	25-33		III	2028:30-2029	2	16-41
	III	2052-2052:15	1+	23-41					
	III	2111:45-2112:15	1+	20-37					

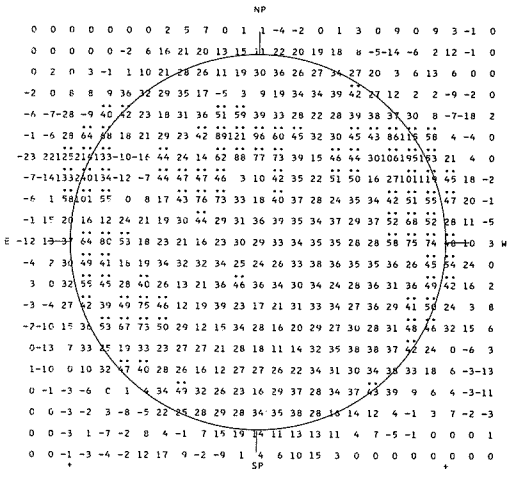
SOLAR RADIO EMISSION SPECTROHELIOGRAMS

STANFORD — **JUNE 1966** — **9.1 cm**



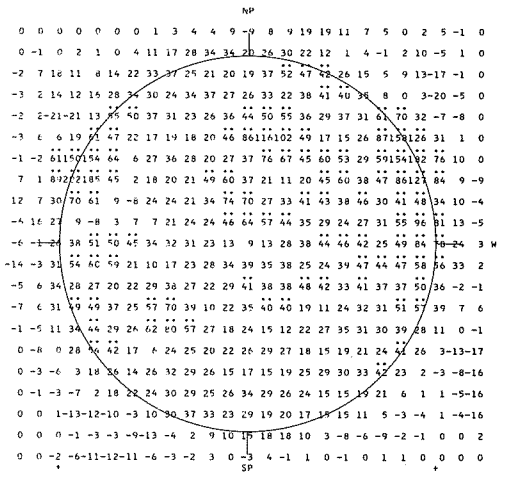
9.1 CM SPECTROHELIOGRAM

STANFORD, 01 JUN 1966 20-21 HRS UT. S = 102(NRC) BRIGHTNESS UNIT = 1000 K



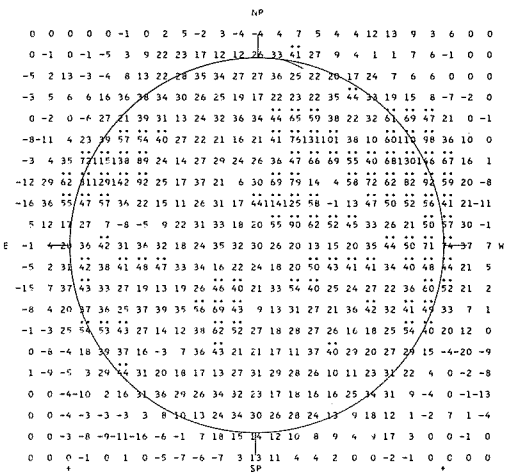
9.1 CM SPECTROHELIOGRAM

STANFORD, 02 JUN 1966 20-21 HOURS UT. S = 101 BRIGHTNESS UNIT = 1000 K



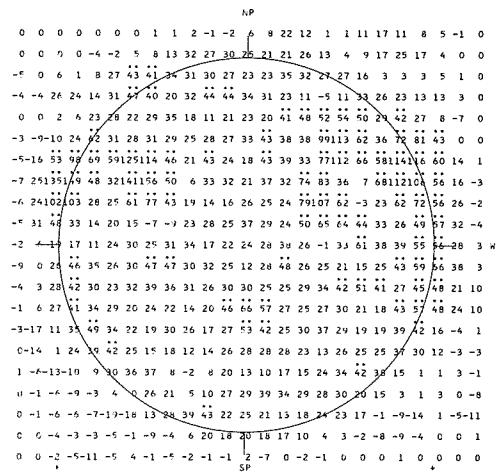
9.1 CM SPECTROHELIOGRAM

STANFORD, 03 JUN 1966 20-21 HOURS UT. S = 100 BRIGHTNESS UNIT = 1000 K



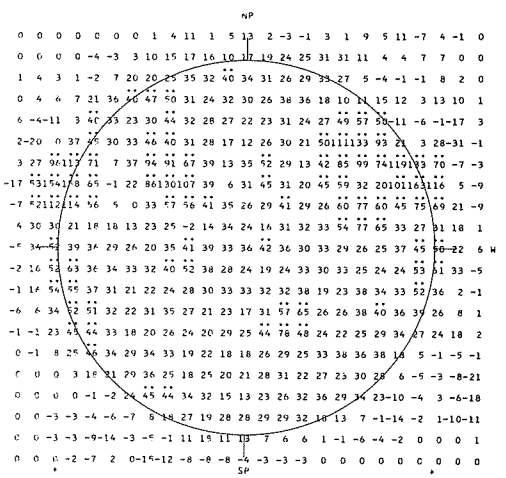
9.1 CM SPECTROHELIOGRAM

STANFORD, 04 JUN 1966 20-21 HOURS UT. S = 99 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM

STANFORD, 05 JUN 1966 20-21 HOURS UT. S = 99 BRIGHTNESS UNIT = 1000 K

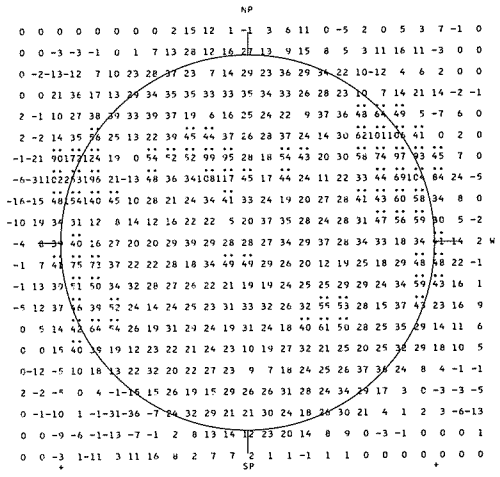


9.1 CM SPECTROHELIOGRAM

STANFORD, 06 JUN 1966 20-21 HOURS UT. S = 99 BRIGHTNESS UNIT = 1000 K

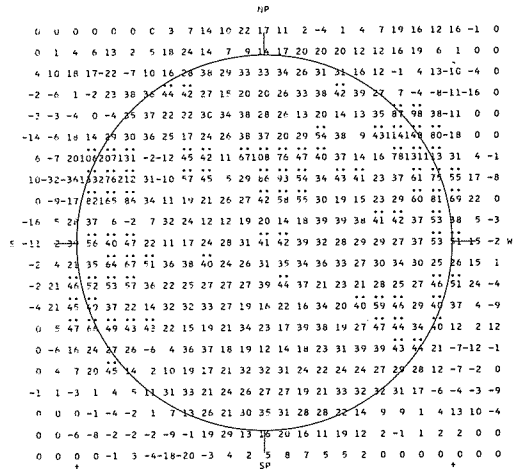
SOLAR RADIO EMISSION SPECTROHELIOGRAMS

STANFORD JUNE 1966 **9.1 cm**



9.1 CM SPECTROHELIOGRAM

STANFORD, 07 JUN 1966 20-21 HOURS UT. S = 94 BRIGHTNESS UNIT = 1000 K

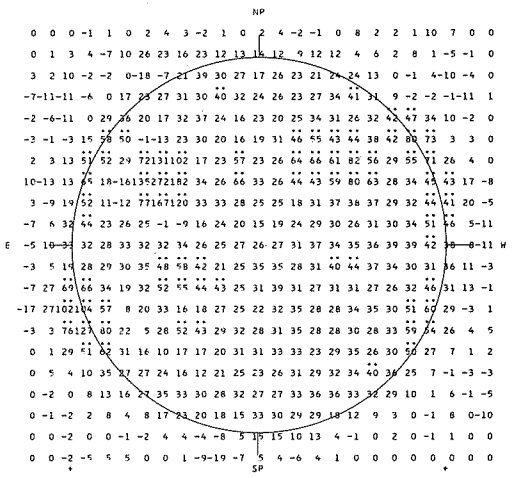


9.1 CM SPECTROHELIOGRAM

STANFORD, 08 JUN 1966 20-21 HOURS UT. S = 97 BRIGHTNESS UNIT = 1000 K

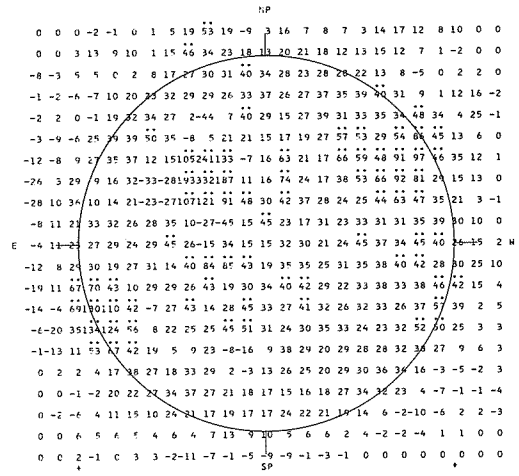
NO DATA

1966 Jun. 9



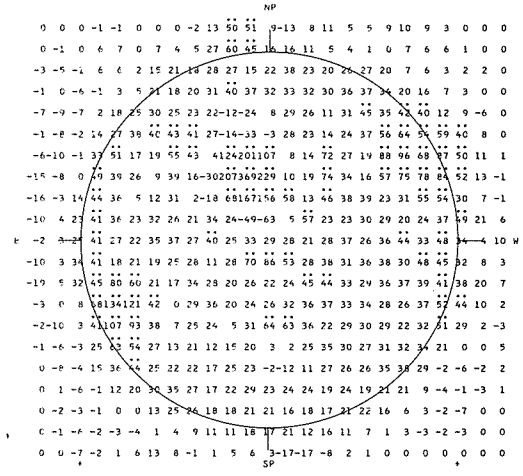
9.1 CM SPECTROHELIOGRAM

STANFORD, 10 JUN 1966 20-21 HOURS UT. S = 94 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM

STANFORD, 11 JUN 1966 20-21 HOURS UT. S = 93 BRIGHTNESS UNIT = 1000 K

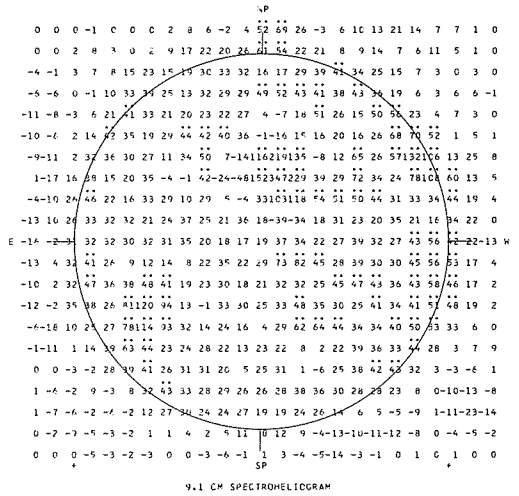


9.1 CM SPECTROHELIOGRAM

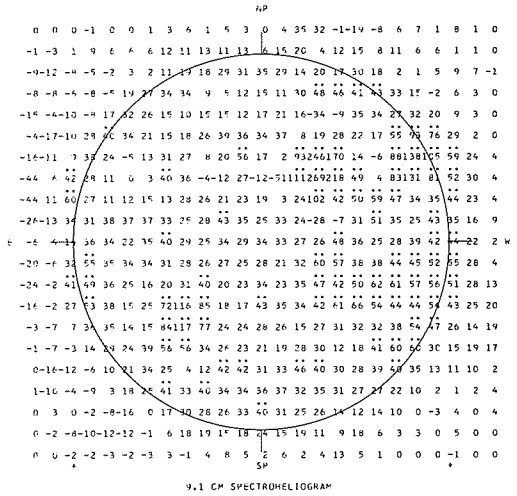
STANFORD, 12 JUN 1966 20-21 HOURS UT. S = 93 BRIGHTNESS UNIT = 1000 K

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

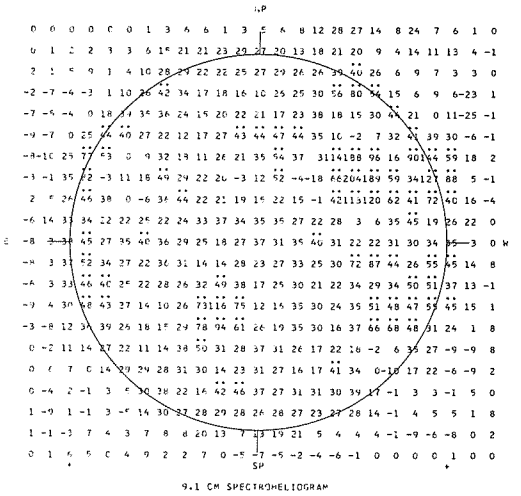
STANFORD — **JUNE 1966** — **9.1 cm**



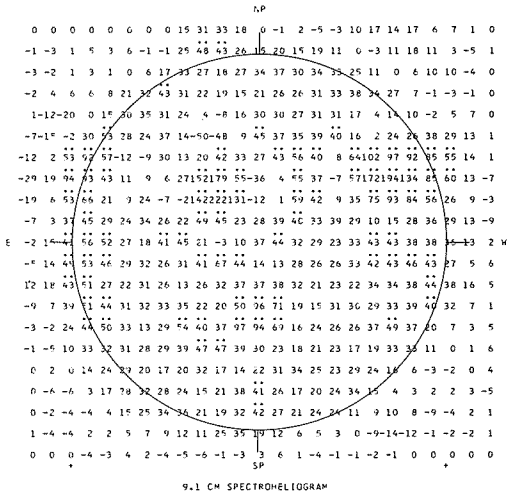
STANFORD, 13 JUN 1966 20-21 HOURS UT. S = 93 BRIGHTNESS UNIT = 1000 K



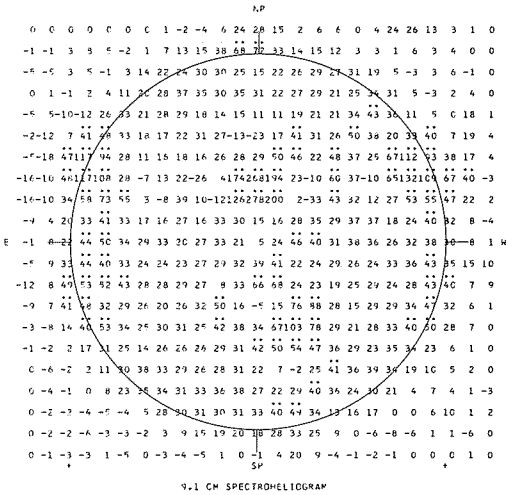
STANFORD, 14 JUN 1966 20-21 HOURS UT. S = 94 BRIGHTNESS UNIT = 1000 K



STANFORD, 15 JUN 1966 20-21 HOURS UT. S = 92 BRIGHTNESS UNIT = 1000 K



STANFORD, 16 JUN 1966 20-21 HOURS UT. S = 95 BRIGHTNESS UNIT = 1000 K



STANFORD, 17 JUN 1966 20-21 HOURS UT. S = 96 BRIGHTNESS UNIT = 1000 K

NO DATA

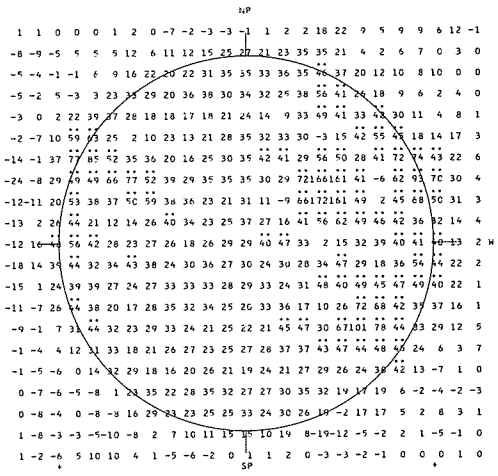
1966 Jun. 18

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

STANFORD

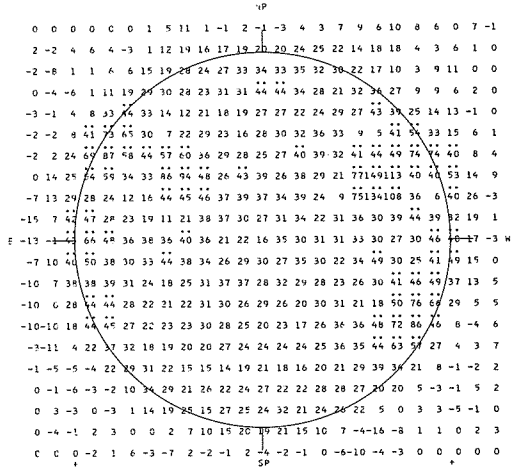
JUNE 1966

9.1 cm



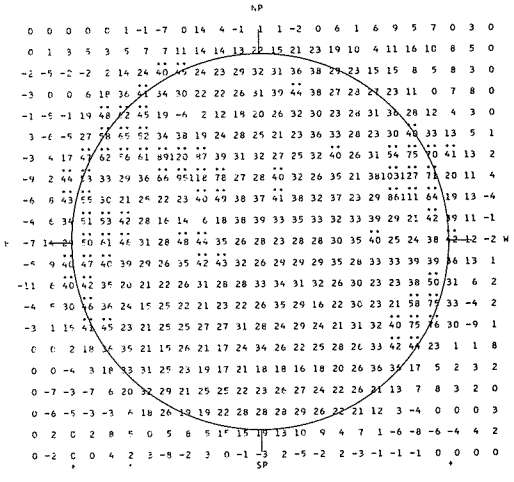
9.1 CM SPECTROHELIOGRAM

STANFORD, 19 JUN 1966 20-21 HOURS UT. S = 94 BRIGHTNESS UNIT = 1000 K



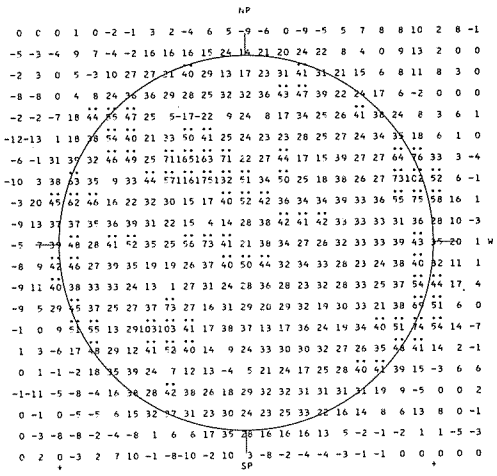
9.1 CM SPECTROHELIOGRAM

STANFORD, 20 JUN 1966 20-21 HOURS UT. S = 91 BRIGHTNESS UNIT = 1000 K



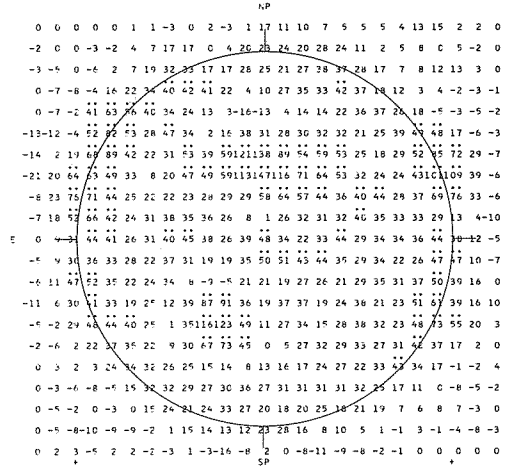
9.1 CM SPECTROHELIOGRAM

STANFORD, 21 JUN 1966 20-21 HOURS UT. S = 91 BRIGHTNESS UNIT = 1000 K



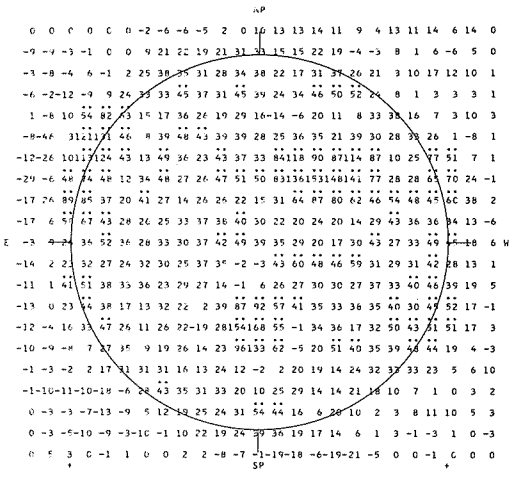
9.1 CM SPECTROHELIOGRAM

STANFORD, 22 JUN 1966 20-21 HOURS UT. S = 93 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM

STANFORD, 23 JUN 1966 20-21 HOURS UT. S = 96 BRIGHTNESS UNIT = 1000 K

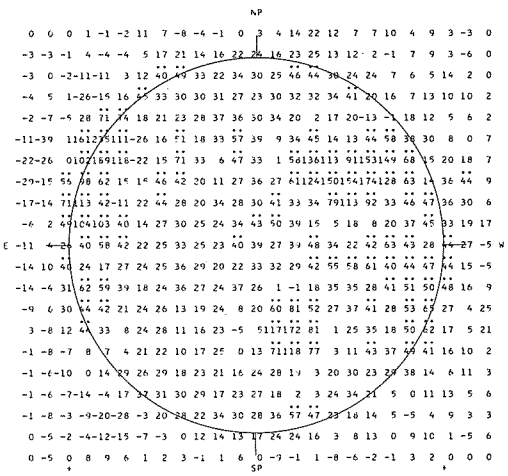


9.1 CM SPECTROHELIOGRAM

STANFORD, 24 JUN 1966 20-21 HOURS UT. S = 100 BRIGHTNESS UNIT = 1000 K

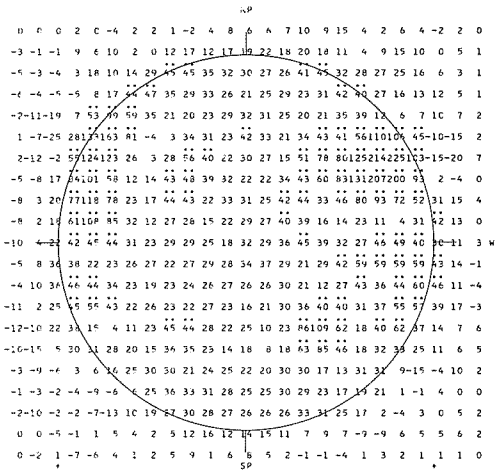
SOLAR RADIO EMISSION SPECTROHELIOGRAMS

STANFORD JUNE 1966 **9.1 cm**



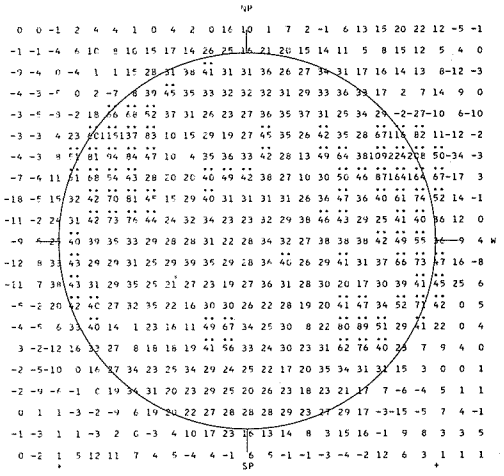
9.1 CM SPECTROHELIOGRAM

STANFORD, 25 JUN 1966 20-21 HOURS UT. S = 102 BRIGHTNESS UNIT = 1000 K



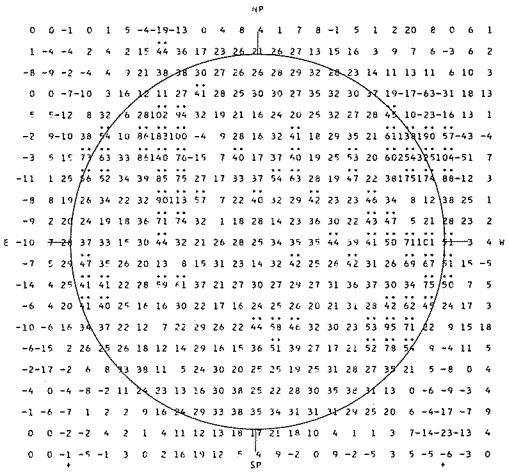
9.1 CM SPECTROHELIOGRAM

STANFORD, 26 JUN 1966 20-21 HOURS UT. S = 102 BRIGHTNESS UNIT = 1000 K



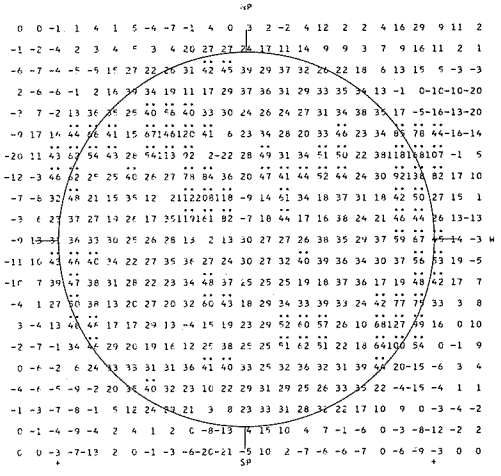
9.1 CM SPECTROHELIOGRAM

STANFORD, 27 JUN 1966 20-21 HOURS UT. S = 98 BRIGHTNESS UNIT = 1000 K



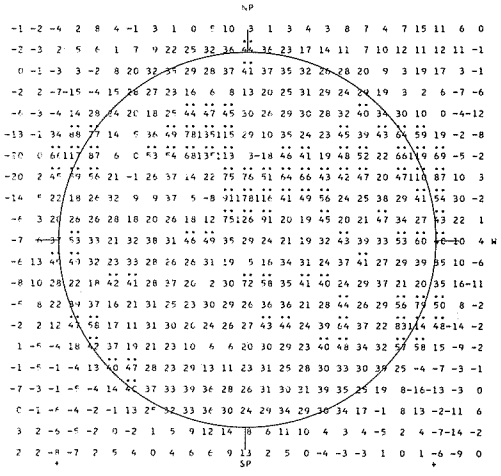
9.1 CM SPECTROHELIOGRAM

STANFORD, 28 JUN 1966 20-21 HOURS UT. S = 98 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM

STANFORD, 29 JUN 1966 20-21 HOURS UT. S = 97 BRIGHTNESS UNIT = 1000 K



9.1 CM SPECTROHELIOGRAM

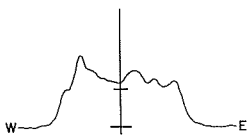
STANFORD, 30 JUN 1966 20-21 HOURS UT. S = 97 BRIGHTNESS UNIT = 1000 K

EAST - WEST SOLAR SCANS

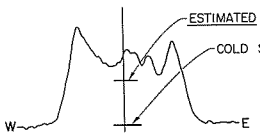
FLEURS, AUSTRALIA

JUNE 1966

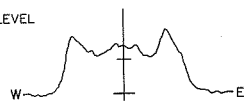
21 cm
Fan - Beam with 2 minutes of arc
E - W Resolution



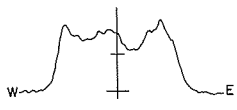
1966 June 01 0112 UT



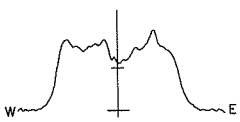
1966 June 02 0155 UT



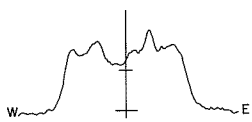
1966 June 03 0125 UT



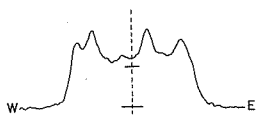
1966 June 04 0204 UT



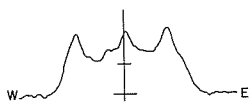
1966 June 05 0159 UT



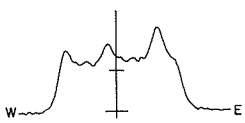
1966 June 06 0117 UT



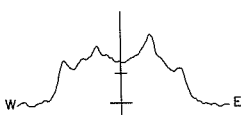
1966 June 07 0208 UT



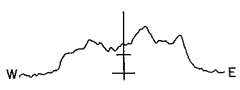
1966 June 08 0204 UT



1966 June 09 0217 UT

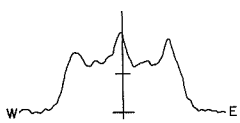


1966 June 10 0108 UT

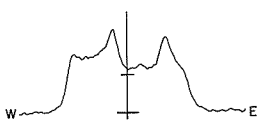


1966 June 11 0200 UT

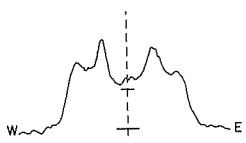
NO DATA
1966 June 12



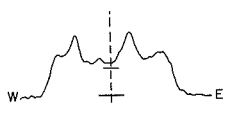
1966 June 13 0152 UT



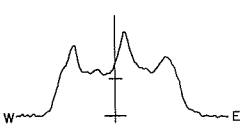
1966 June 14 0114 UT



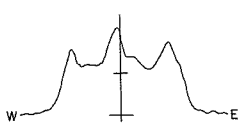
1966 June 15 0201 UT



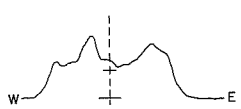
1966 June 16 0118 UT



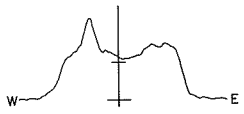
1966 June 17 0110 UT



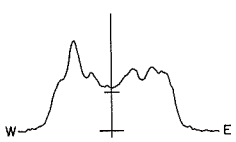
1966 June 18 0158 UT



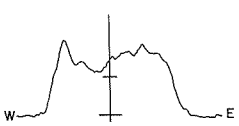
1966 June 19 0215 UT



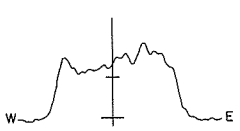
1966 June 20 0207 UT



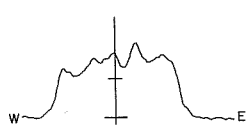
1966 June 21 0111 UT



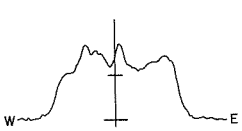
1966 June 22 0053 UT



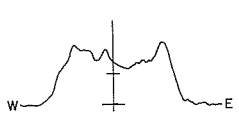
1966 June 23 0154 UT



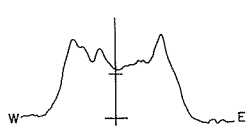
1966 June 24 0111 UT



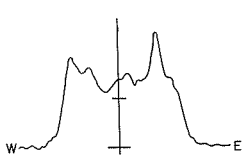
1966 June 25 0204 UT



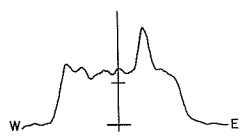
1966 June 26 0204 UT



1966 June 27 0107 UT



1966 June 28 0204 UT



1966 June 29 0103 UT

1966 June 30 0200 UT

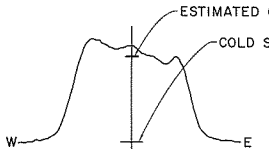
EAST - WEST SOLAR SCANS

FLEURS, AUSTRALIA

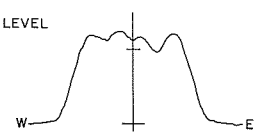
JUNE 1966

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

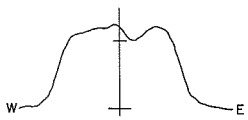
1966 June 01 0203 UT



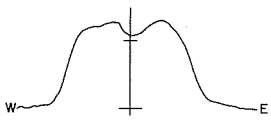
1966 June 02 0155 UT



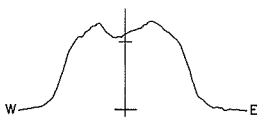
1966 June 03 0146 UT



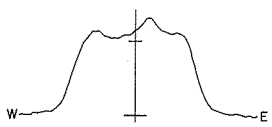
1966 June 04 0201 UT



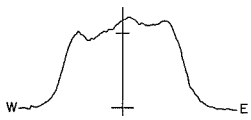
1966 June 05 0155 UT



1966 June 06 0204 UT



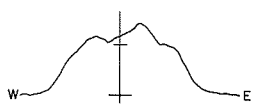
1966 June 07 0213 UT



1966 June 08 0156 UT

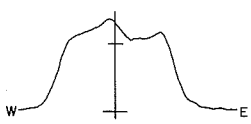
1966 June 09 0213 UT

1966 June 10 0205 UT

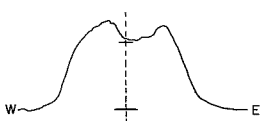


1966 June 11 0205 UT

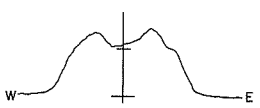
NO DATA
1966 June 12



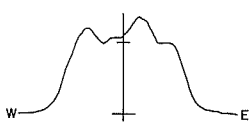
1966 June 13 0205 UT



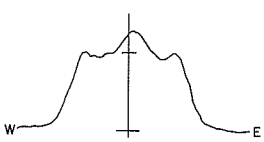
1966 June 14 0157 UT



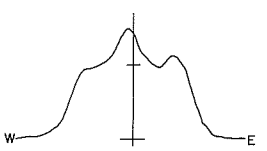
1966 June 15 0157 UT



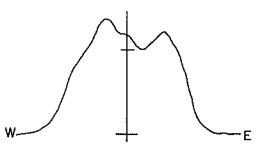
1966 June 16 0157 UT



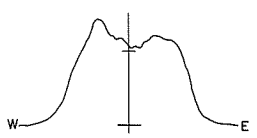
1966 June 17 0157 UT



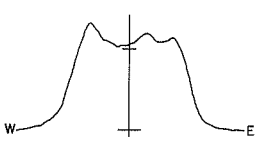
1966 June 18 0158 UT



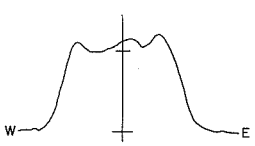
1966 June 19 0216 UT



1966 June 20 0158 UT

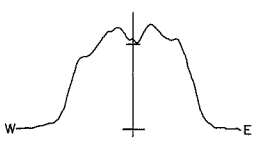


1966 June 21 0207 UT



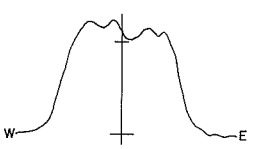
1966 June 22 0207 UT

1966 June 23 0208 UT

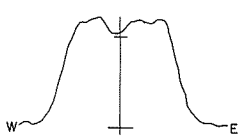


1966 June 24 0208 UT

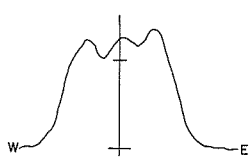
1966 June 25 0208 UT



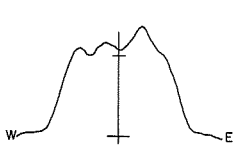
1966 June 26 0159 UT



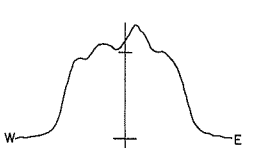
1966 June 27 0 UT



1966 June 28 0200 UT



1966 June 29 0209 UT



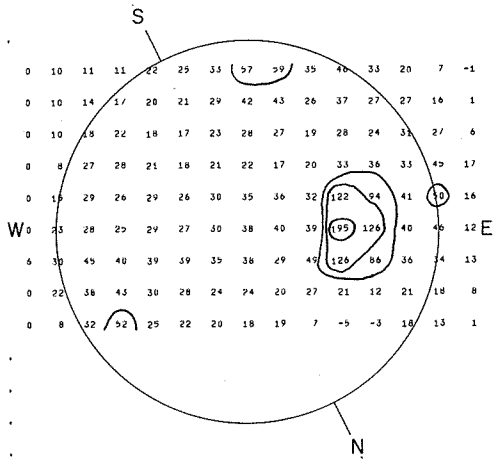
1966 June 30 0200 UT

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

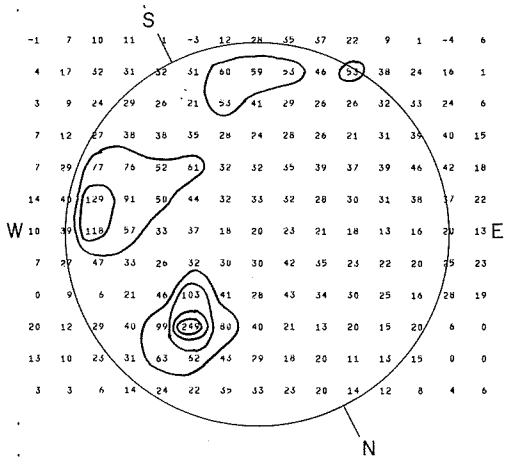
FLEURS, AUSTRALIA

OCTOBER 1965

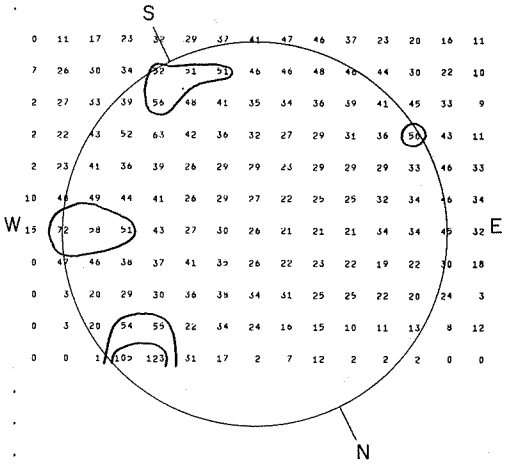
21 cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



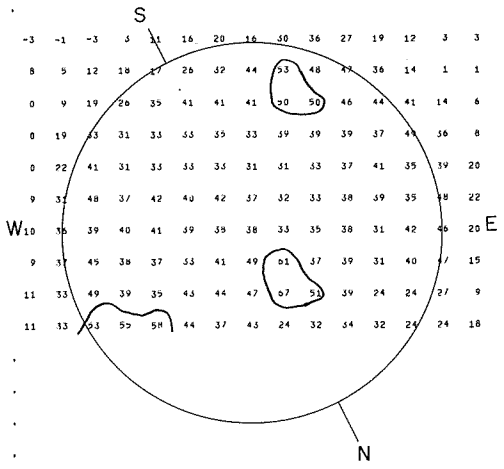
1965 OCTOBER 1



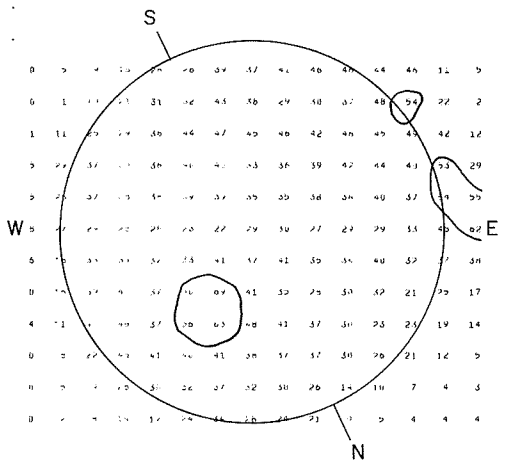
1965 OCTOBER 6



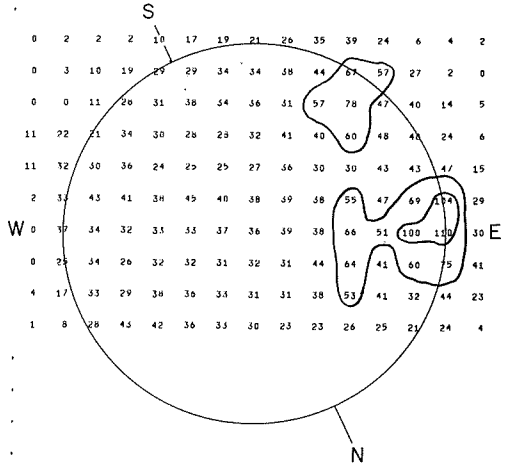
1965 OCTOBER 8



1965 OCTOBER 20



1965 OCTOBER 22



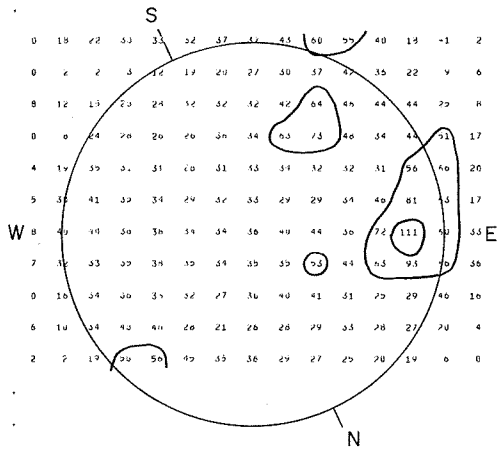
1965 OCTOBER 26

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

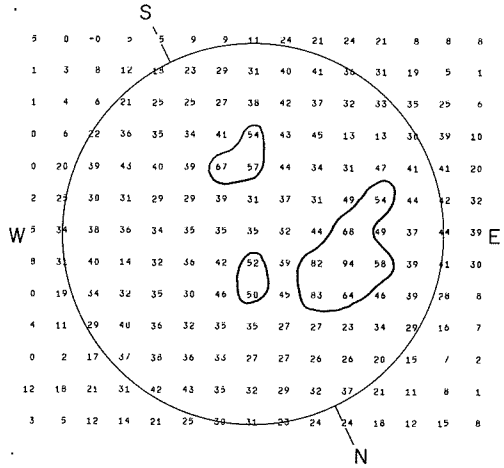
FLEURS, AUSTRALIA

OCTOBER 1965 NOVEMBER 1965

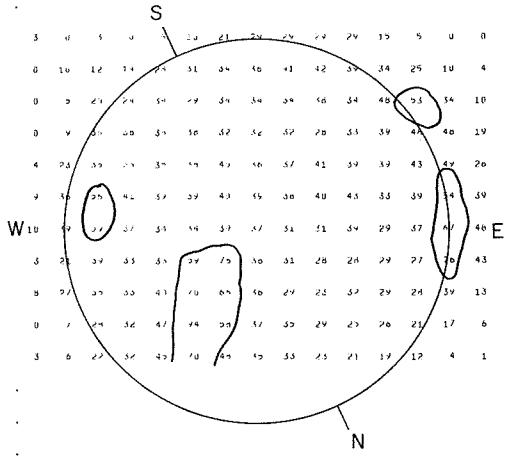
21 cm
Resolution: about 3 minutes at arc.
Unit of Brightness temperature: 1700°K



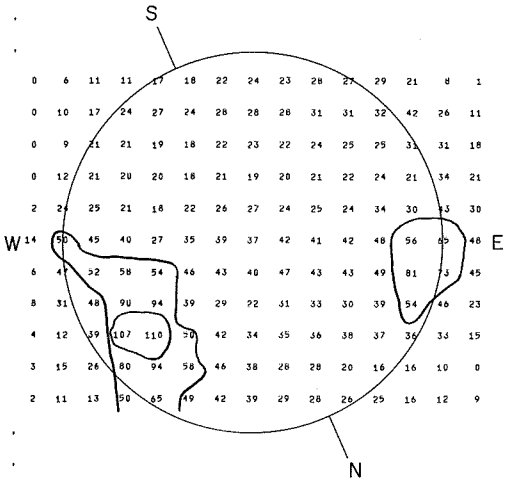
1965 OCTOBER 27



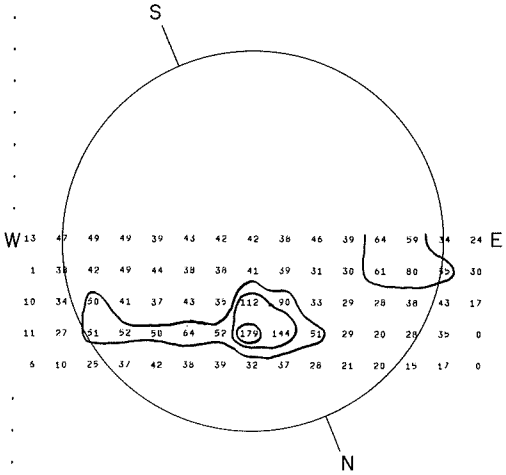
1965 OCTOBER 29



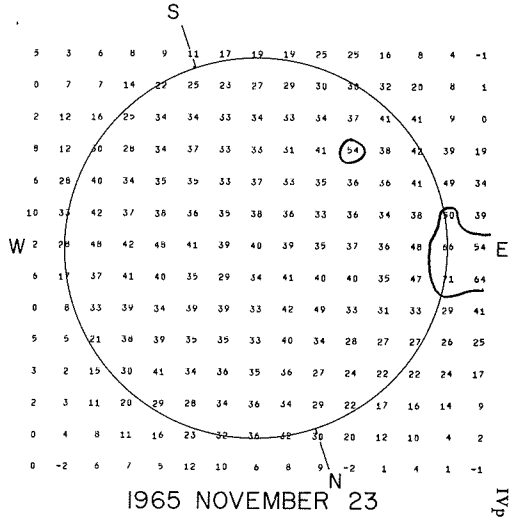
1965 NOVEMBER 2



1965 NOVEMBER 4



1965 NOVEMBER 8



1965 NOVEMBER 23

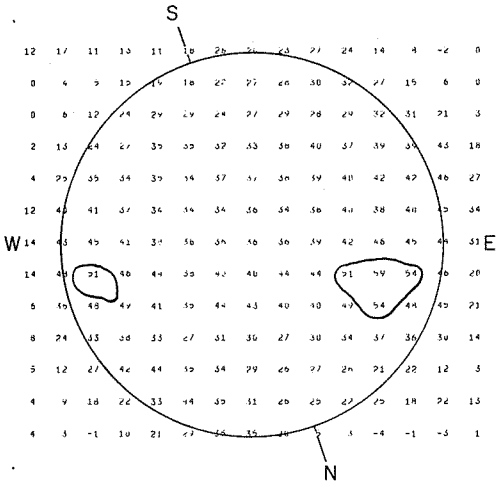
IVd

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

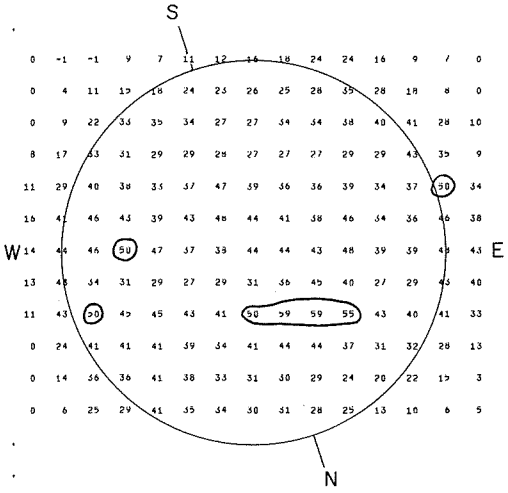
FLEURS, AUSTRALIA

NOVEMBER 1965 DECEMBER 1965

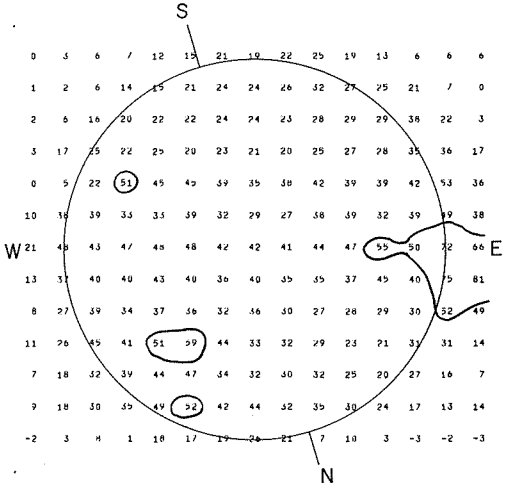
21 cm
Resolution: about 3 minutes at arc.
Unit of Brightness temperature: 1700°K



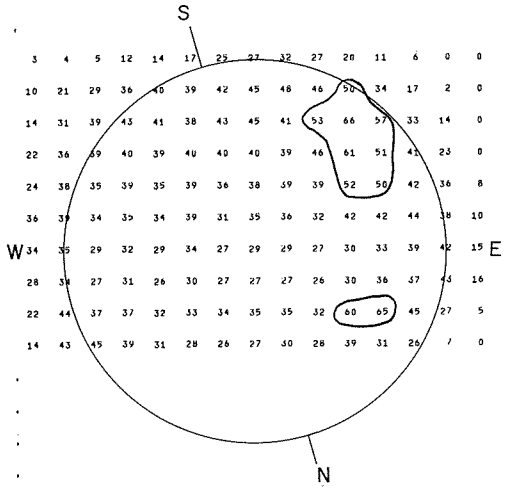
1965 NOVEMBER 24



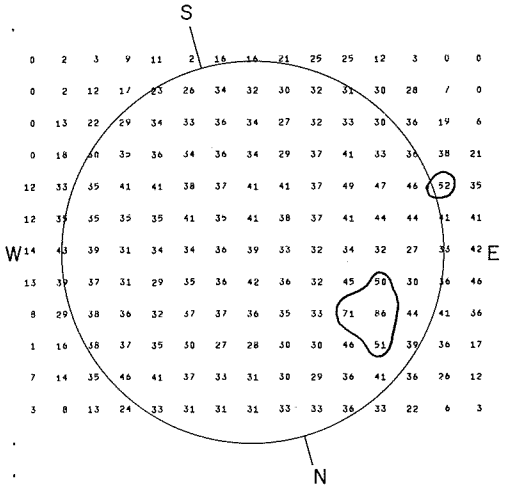
1965 NOVEMBER 26



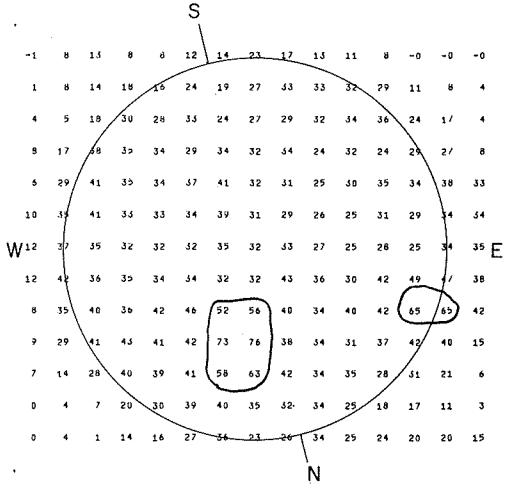
1965 NOVEMBER 29



1965 DECEMBER 2



1965 DECEMBER 3



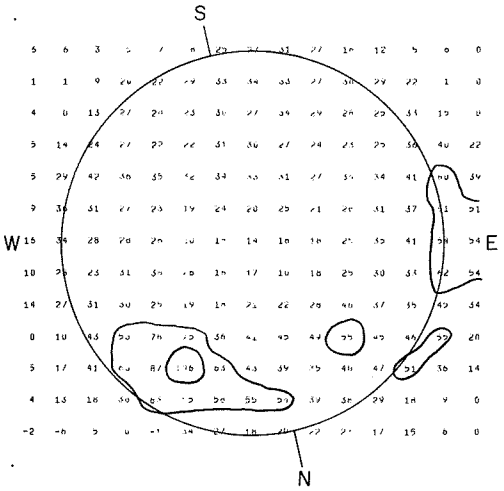
1965 DECEMBER 6

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

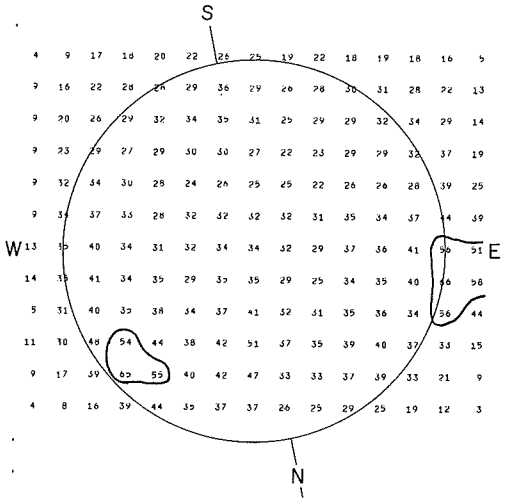
FLEURS, AUSTRALIA

DECEMBER 1965

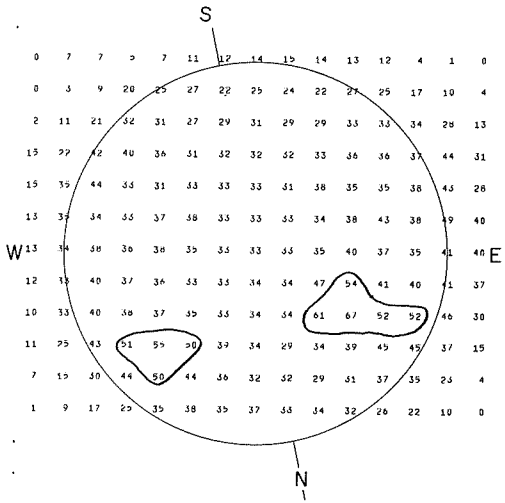
21 cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



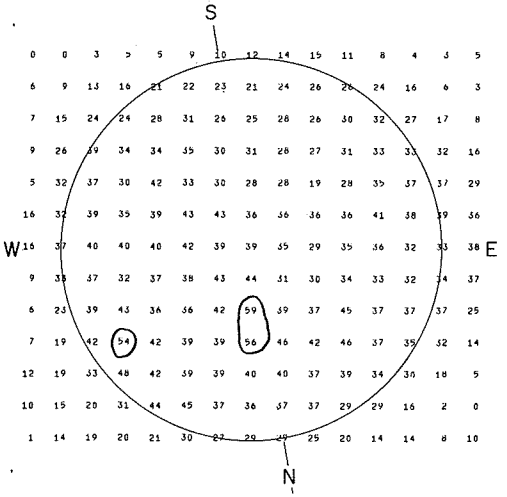
1965 DECEMBER 8



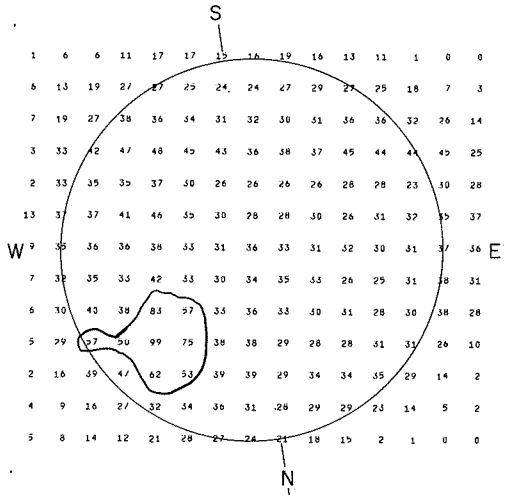
1965 DECEMBER 10



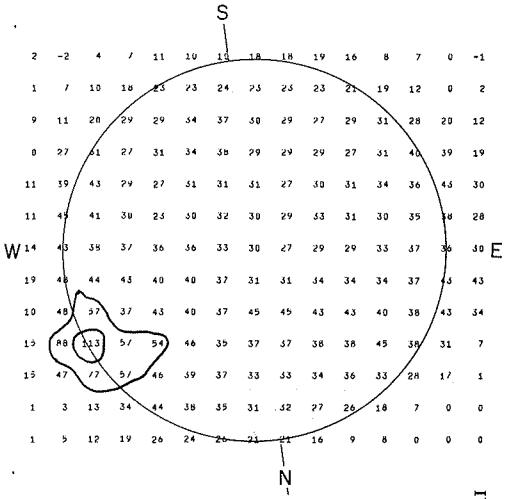
1965 DECEMBER 13



1965 DECEMBER 15



1965 DECEMBER 17



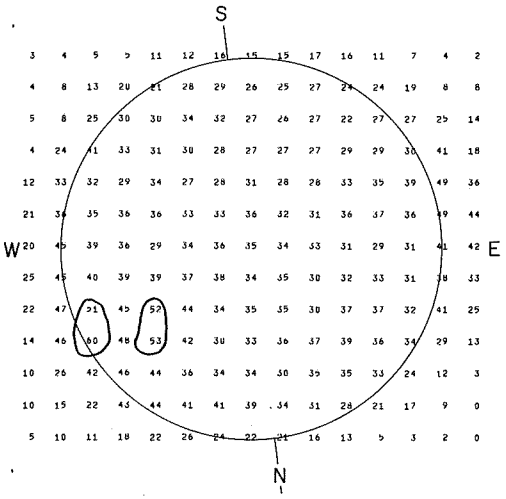
1965 DECEMBER 20

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

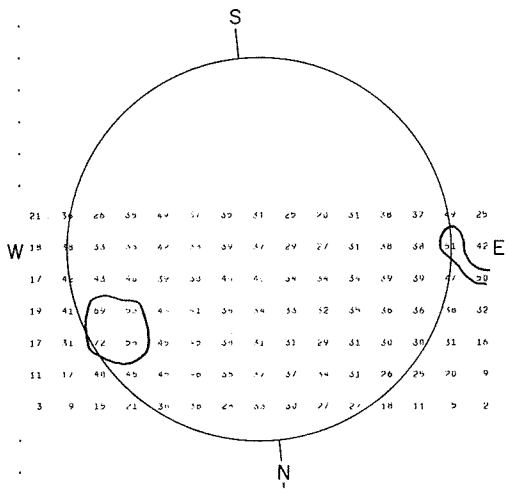
FLEURS, AUSTRALIA

DECEMBER 1965 JANUARY 1966

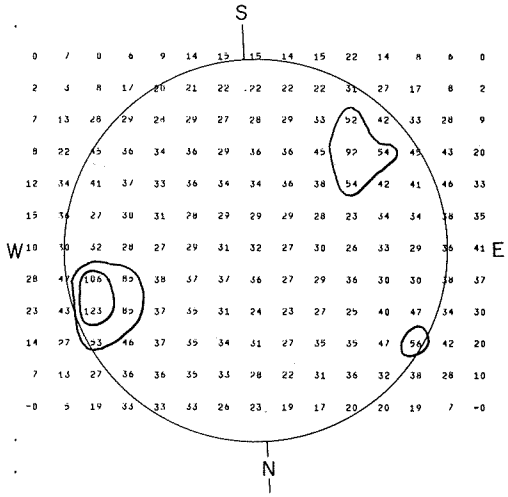
21 cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



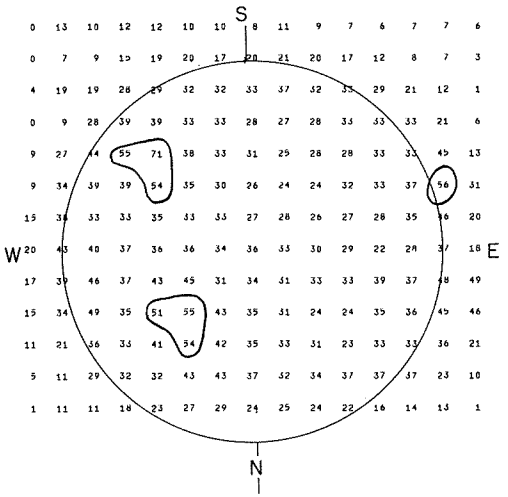
1965 DECEMBER 22



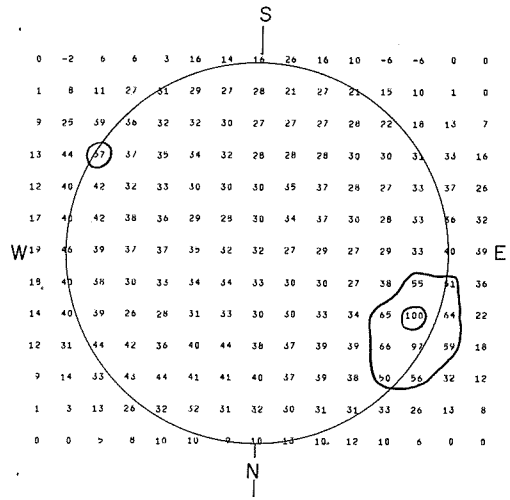
1965 DECEMBER 24



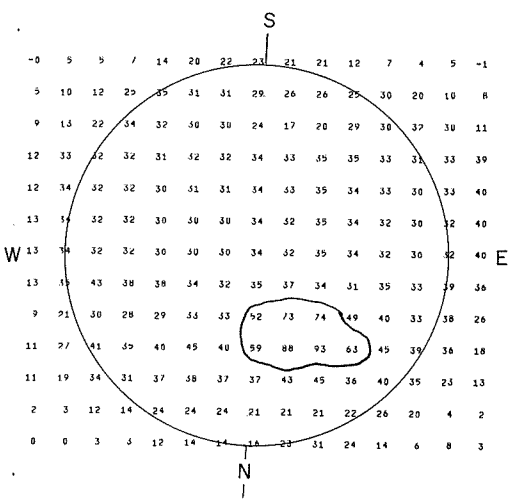
1965 DECEMBER 29



1966 JANUARY 3



1966 JANUARY 7



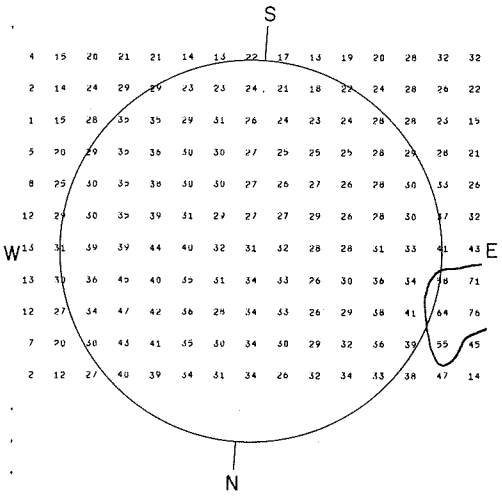
1966 JANUARY 10

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

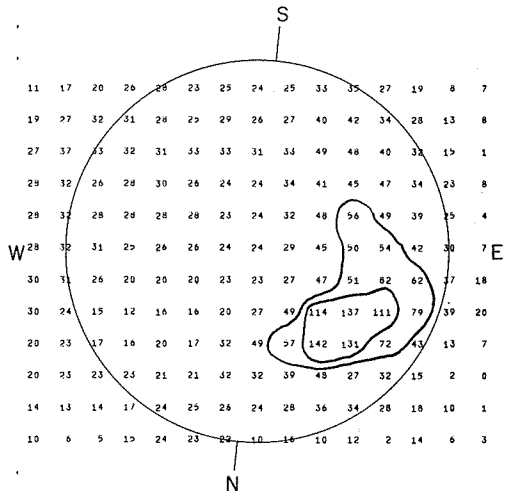
FLEURS, AUSTRALIA

JANUARY 1966

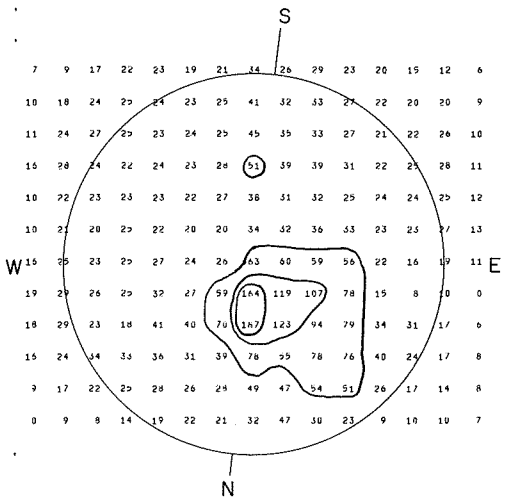
21 cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



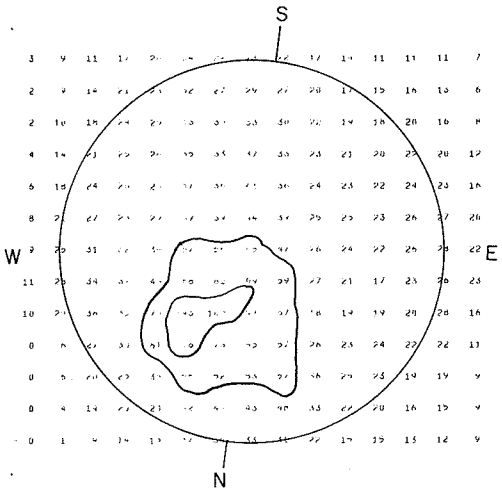
1966 JANUARY 14



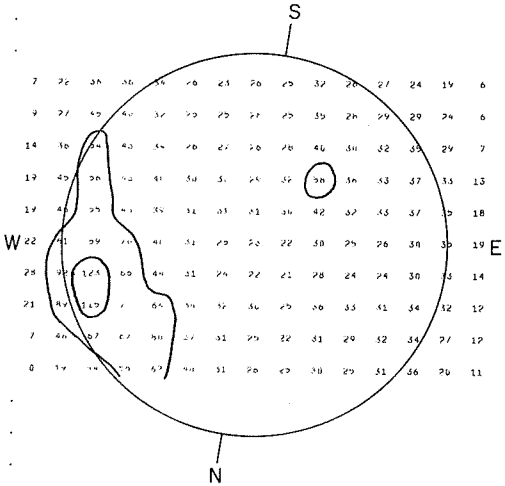
1966 JANUARY 17



1966 JANUARY 19



1966 JANUARY 21



1966 JANUARY 24

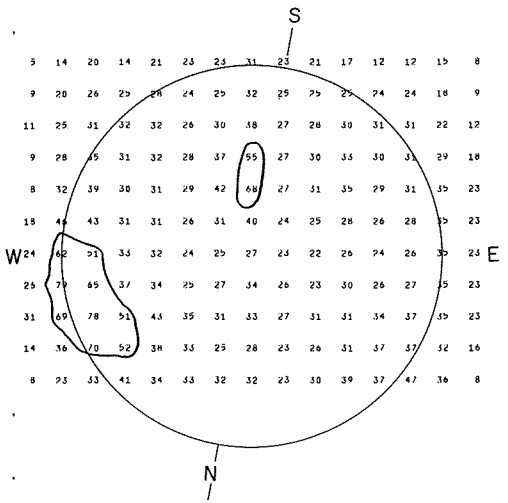
IV

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

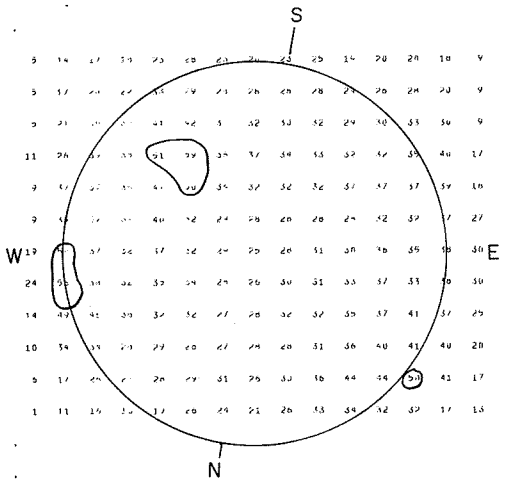
FLEURS, AUSTRALIA

JANUARY 1966 FEBRUARY 1966

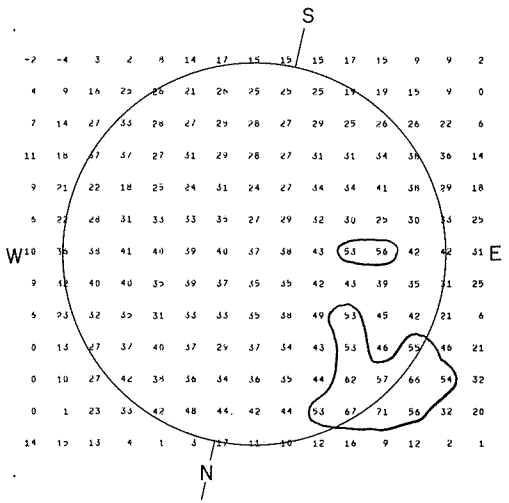
21cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



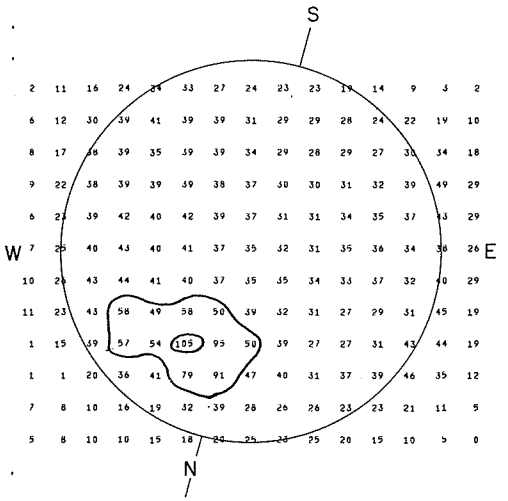
1966 JANUARY 26



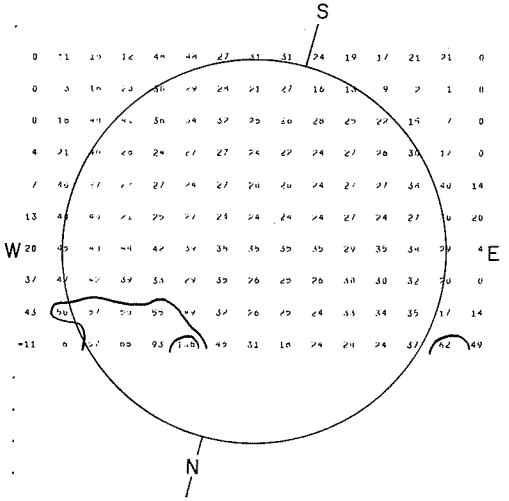
1966 JANUARY 28



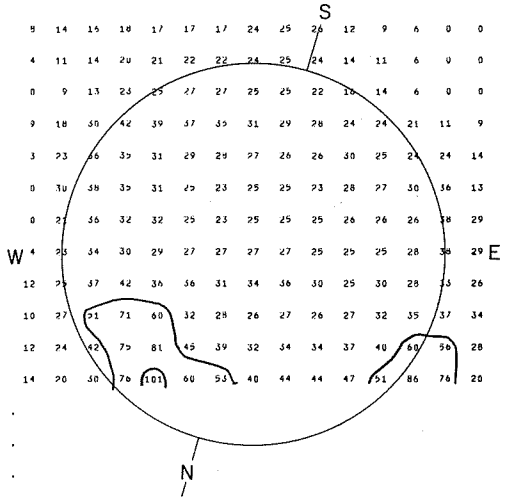
1966 FEBRUARY 2



1966 FEBRUARY 8



1966 FEBRUARY 9



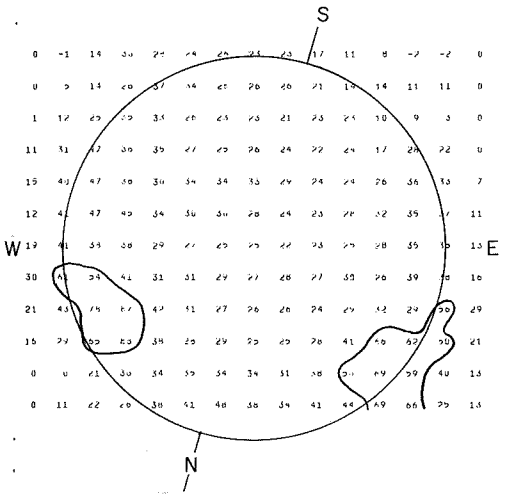
1966 FEBRUARY 10

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

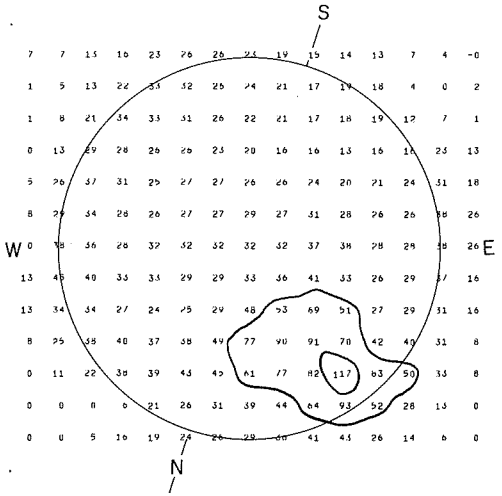
FLEURS, AUSTRALIA

FEBRUARY 1966 MARCH 1966

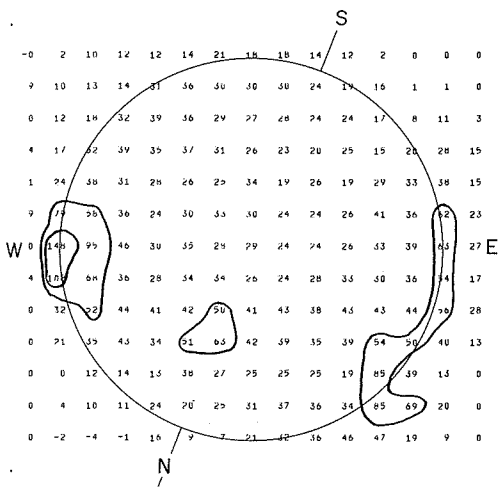
21cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



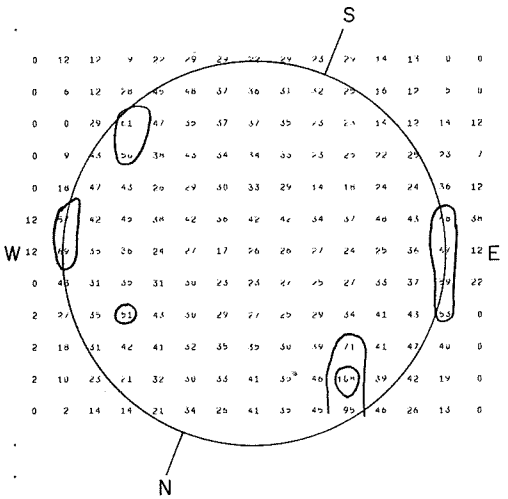
1966 FEBRUARY 11



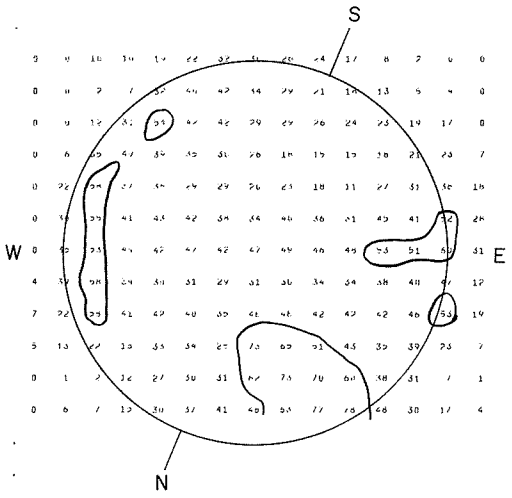
1966 FEBRUARY 15



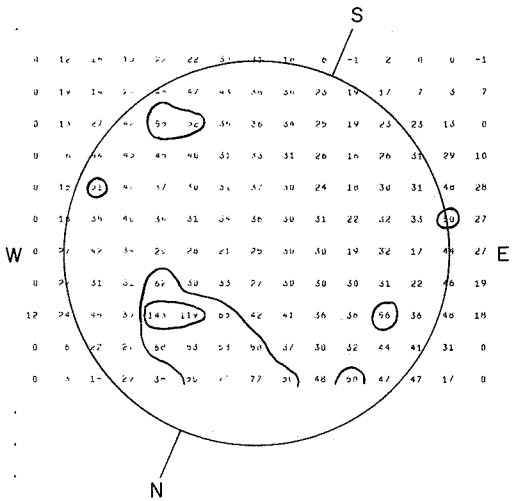
1966 FEBRUARY 28



1966 MARCH 2



1966 MARCH 4



1966 MARCH 7

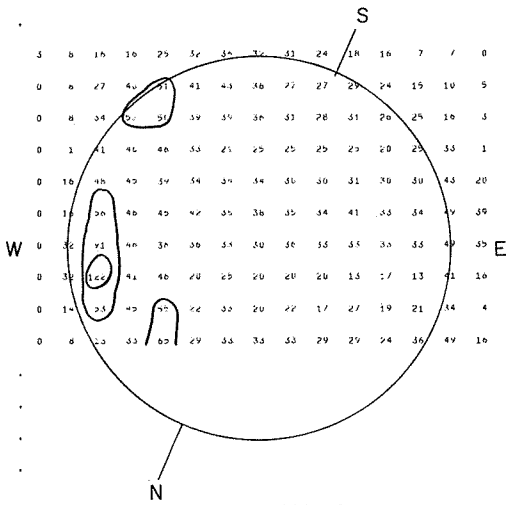
IV-4

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

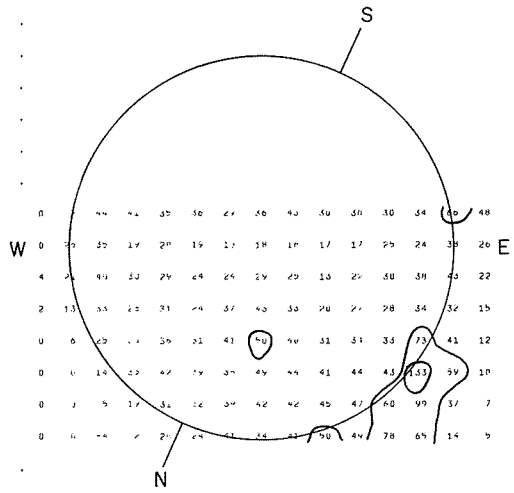
FLEURS, AUSTRALIA

MARCH 1966

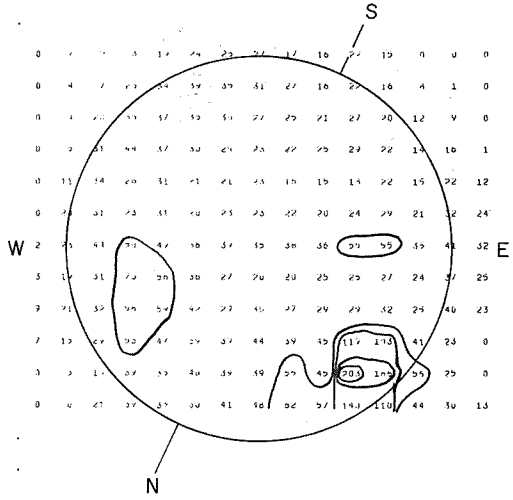
21cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



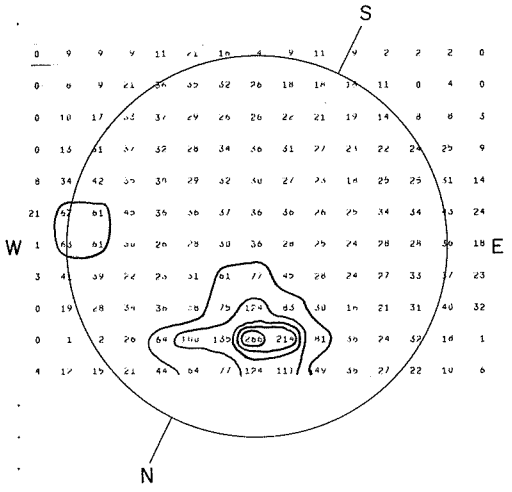
1966 MARCH 10



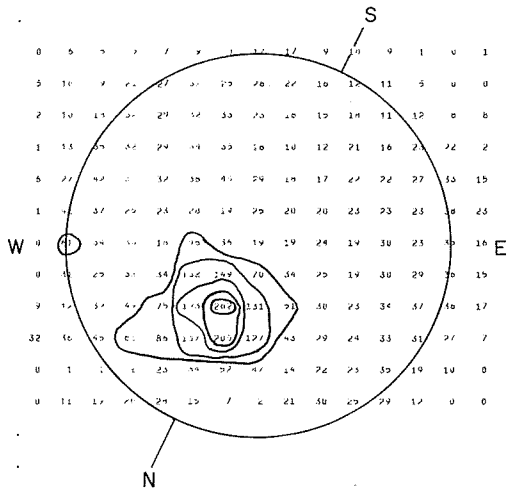
1966 MARCH 15



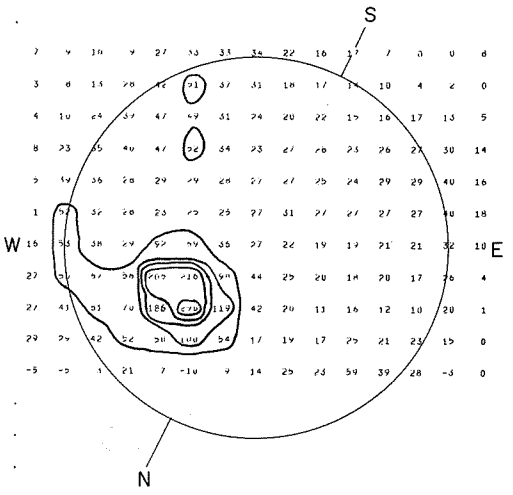
1966 MARCH 18



1966 MARCH 21



1966 MARCH 22



1966 MARCH 23

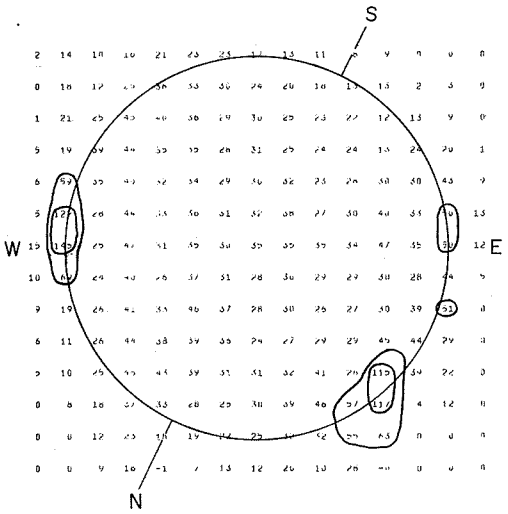
Scans near the Solar Equator for March 15 are uncertain because of heavy rain during observations.

SOLAR RADIO EMISSION SPECTROHELIOGRAMS

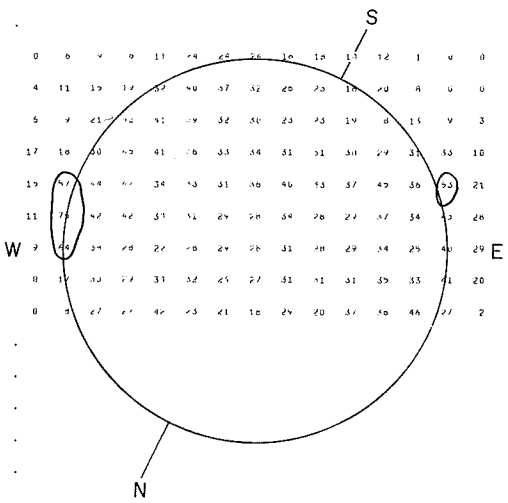
FLEURS, AUSTRALIA

MARCH 1966

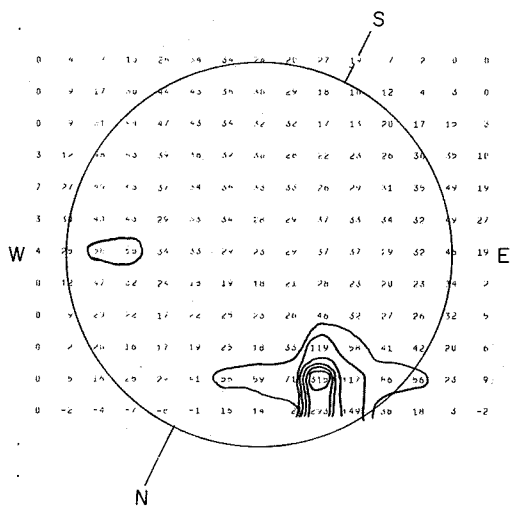
21cm
Resolution: about 3 minutes of arc.
Unit of Brightness temperature: 1700°K



1966 MARCH 28



1966 MARCH 29



1966 MARCH 31

COSMIC RAY INDICES

(Neutron Monitors)

MAY 1966

MAY 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	*	6986.9	4096.9	*
2		6994.8	4144.2	
3		6996.9	4150.1	
4		7001.2	4145.9	
5		6989.5	4129.7	
6		7026.2	4133.6	
7		7030.1	4132.6	
8		7025.0	4166.7	
9		7057.1	4178.1	
10		7062.0	4189.1	
11		7027.7	4190.3	
12		6992.9	4192.4	
13		7017.6	4215.7	
14		7013.5	4191.3	
15		7030.0	4178.0	
16		7036.7	4188.5	
17		7037.8	4198.1	
18		7046.8	4213.0	
19		7033.4	4230.0	
20		7032.7	4229.1	
21		7041.9	4227.7	
22		7050.6	4204.6	
23		7023.4	4185.1	
24		7017.3	4172.5	
25		7032.7	4170.0	
26		6992.2	4179.0	
27		6882.8	4182.9	
28		6923.7	4185.6	
29		6941.1	4212.4	
30		6943.5	4192.5	
31		6900.7	--	

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

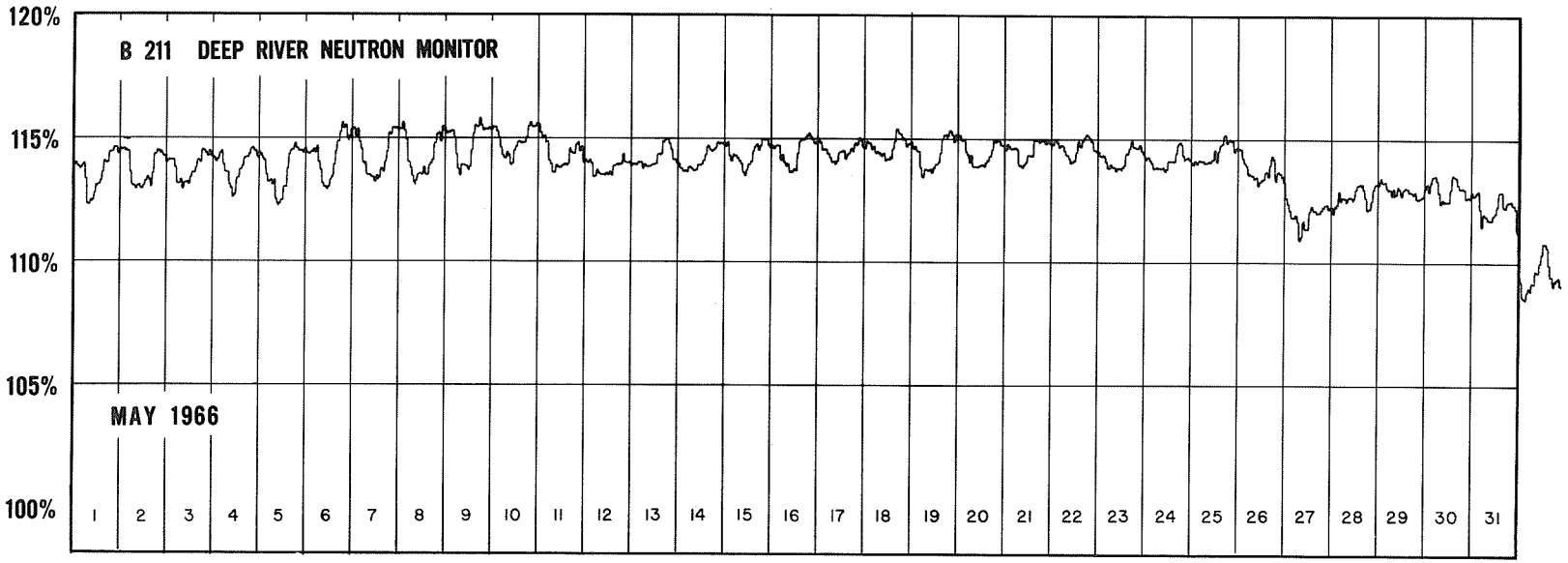
Deep River Neutron Monitor, Scaling Factor 300.

Climax IGC Station B305, Scaling Factor 100.

COSMIC RAY INDICES

(Pressure Corrected Hourly Totals)

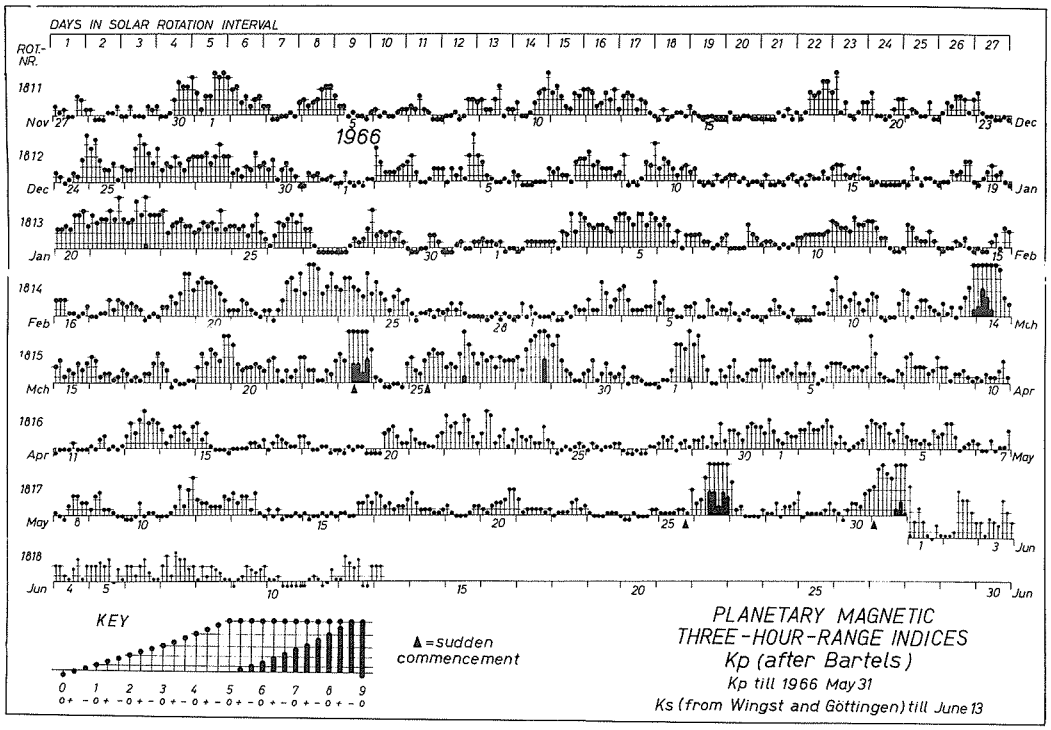
MAY 1966



GEOMAGNETIC ACTIVITY INDICES

MAY 1966

Day		Three-hour range indices Kp								Sum	Prel. Cl	Cp	Ap
		1	2	3	4	5	6	7	8				
1		2o	3+	3-	1+	1o	2o	2-	2-	16-	0.4	0.4	8
2	D	2+	2+	3o	2+	2+	3-	3+	3-	21o	0.9	0.7	12
3		1o	2-	1o	0+	1-	1o	1+	3-	10-	0.3	0.2	5
4	D	3+	3o	3-	3o	2o	1+	2+	3o	21-	0.8	0.7	12
5		2-	1+	1+	1o	1+	1o	2+	2-	12-	0.4	0.2	6
6		2o	3o	3o	2-	0+	1-	1o	1+	13o	0.4	0.4	7
7	q	1o	0+	0+	1+	0+	1-	1-	2+	7o	0.2	0.1	4
8		1-	0+	0o	1+	2+	2+	2-	2-	10+	0.4	0.2	5
9		1o	2+	3-	1o	1o	1-	0+	0+	9+	0.2	0.2	5
10	Q	0o	0o	0+	2-	0+	1-	1-	0+	4o	0.1	0.0	2
11	D	0+	0+	1-	1+	3+	1+	3o	4o	14+	0.5	0.5	10
12		2o	2-	2-	1+	1+	1+	2+	2o	14-	0.4	0.3	6
13		3-	2-	2+	2+	1o	3-	1-	0+	14-	0.5	0.4	7
14	Q	1o	0+	1o	0o	0+	0+	1-	0+	4o	0.1	0.0	2
15	Q	1-	0o	0+	0+	1-	0+	1-	0+	3+	0.1	0.0	2
16		1-	1-	0+	0+	2-	2-	2+	2-	9+	0.2	0.2	5
17		3-	2+	1+	2-	1o	1+	1+	2o	14-	0.3	0.3	7
18		3-	2-	1o	1o	1o	1-	1-	1o	10-	0.2	0.2	5
19	q	1+	1-	0+	0+	0+	1-	1+	1+	6+	0.1	0.1	3
20		1o	1-	1+	2-	2-	2o	3o	3o	14+	0.6	0.4	8
21	q	2o	1-	1o	1o	1o	1o	1-	1o	8+	0.2	0.1	4
22	q	0+	1-	1-	1-	2-	2o	1o	1+	8+	0.3	0.1	4
23	Q	1-	0+	0+	0+	1-	1-	1-	0+	4o	0.0	0.0	2
24	Q	0o	0o	1-	0+	0+	0+	1o	1o	3-	0.0	0.0	2
25		1-	1-	1-	1-	1o	1o	1-	3o	8+	0.3	0.2	5
26	D	2-	2o	4o	7o	7o	6o	7o	7-	41+	1.9	1.8	78
27		4-	1o	1+	0+	0+	0+	0+	1o	8+	0.5	0.2	5
28		1-	1-	2-	0+	1+	1+	2-	3-	10+	0.4	0.2	5
29	q	0+	1-	1-	1-	1-	1o	2-	1o	7-	0.2	0.1	4
30		1-	0o	1o	2-	2-	1+	3-	3o	12o	0.5	0.3	6
31	D	3+	5-	5o	4+	4o	6-	6+	5+	39-	1.6	1.6	48
										Means:	0.42	0.32	9
										No. of days :	31	31	31



DAILY AVERAGE INDICES A_p

	Day	1965 June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1966 Jan.	Feb.	Mar.	Apr.	May
	1	5	13	5	6	2	4	19	2	3	3	18	8
	2	6	5	11	5	16	5	9	8	3	3	13	12
	3	9	5	6	4	3	1	2	6	11	10	7	5
	4	11	3	7	16	1	8	11	11	13	9	8	12
	5	6	3	4	9	8	13	3	4	18	5	6	6
	6	5	19	3	9	2	17	3	2	8	4	7	7
	7	3	8	6	7	6	9	3	7	4	2	10	4
	8	9	21	6	4	15	4	4	8	4	3	10	5
	9	12	12	7	3	4	5	6	8	3	4	5	5
	10	2	14	4	3	3	0	10	7	7	10	5	2
	11	5	2	6	4	3	3	10	2	12	6	2	10
	12	3	5	6	11	6	3	10	2	5	6	3	6
	13	2	5	3	6	8	10	6	2	6	14	15	7
	14	6	4	8	3	6	3	2	3	2	64	8	2
	15	19	10	6	15	2	2	1	5	4	7	4	2
	16	73	4	7	35	2	1	1	0	5	7	3	5
	17	34	2	11	18	2	4	2	2	4	6	4	7
	18	11	6	21	16	6	6	12	5	3	4	3	5
	19	2	13	27	17	4	10	7	3	14	20	2	3
	20	2	5	17	5	2	17	4	15	17	10	5	8
	21	2	3	12	5	1	10	2	23	4	8	5	4
	22	4	4	5	5	14	4	6	27	14	7	13	4
	23	3	13	9	10	19	2	3	14	28	67	10	2
	24	3	7	14	10	14	4	9	14	19	2	6	2
	25	11	6	13	12	11	5	12	11	10	14	3	5
	26	10	4	7	9	7	4	19	14	3	20	3	78
	27	6	8	6	20	6	4	10	3	4	13	1	5
	28	3	15	3	27	15	2	16	7	2	42	4	5
	29	11	12	6	7	5	3	8	6		12	6	4
	30	14	4	8	3	8	12	6	2		6	10	6
	31		3	11		6		3	2		3		48
	Mean:	10	8	9	10	7	6	7	7	8	13	7	9

CRPL RADIO PROPAGATION QUALITY FIGURES AND FORECASTS

NORTH ATLANTIC, NORTH PACIFIC — MAY 1966

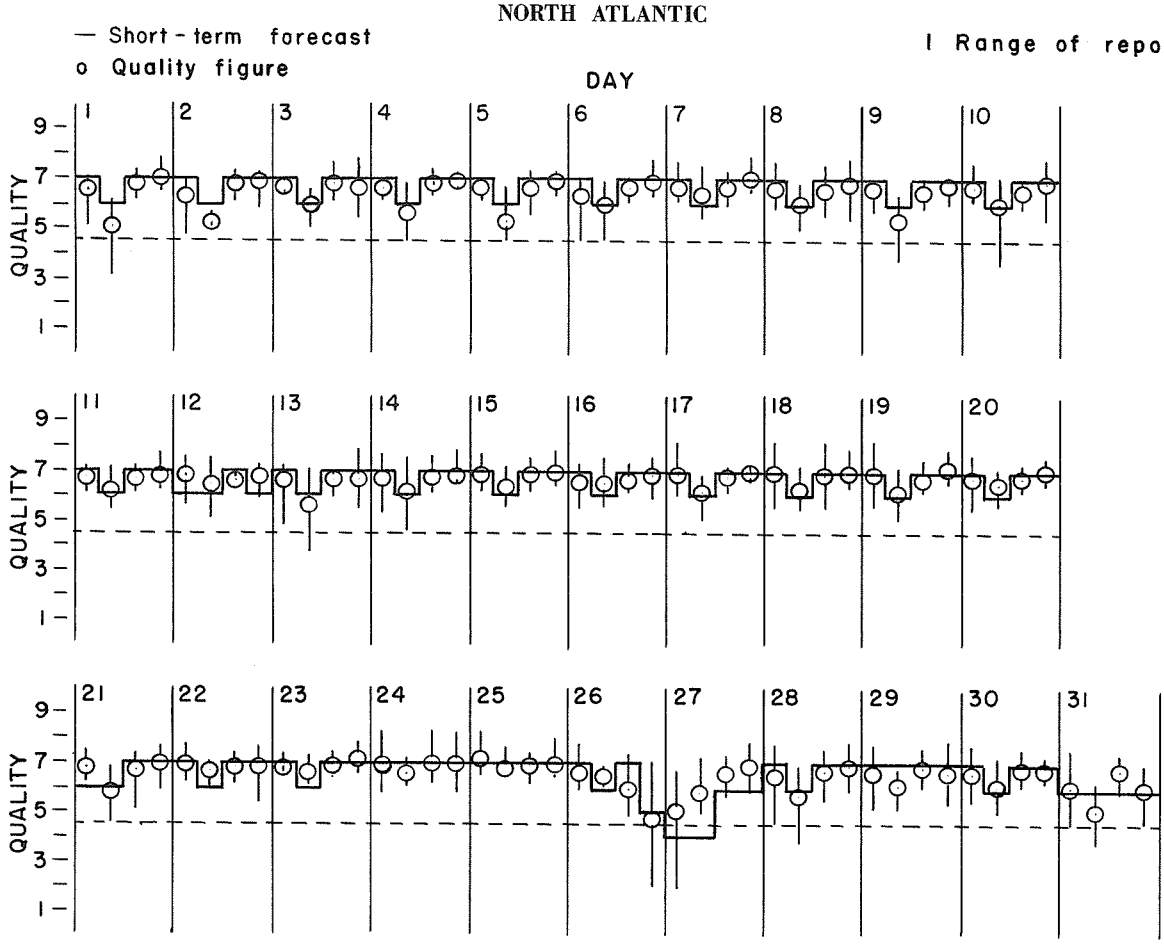
MAY 1966	WHOLE DAY INDICES: NORTH ATLANTIC	NORTH PACIFIC	AVERAGE HIGH LATITUDE	ADVANCE FORECASTS (Jc-REPORTS) FOR WHOLE DAY	NORTH ATLANTIC: 6-HOURLY QUALITY FIGURES: 00 TO 06	06 TO 12	12 TO 18	18 TO 24	NORTH ATLANTIC: SHORT-TERM FORECASTS ISSUED ABOUT ONE HOUR IN ADVANCE OF: 00	06	12	18	NORTH PACIFIC: 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} OB-SERVED	PRE-DICTED	K_{SI} HALF DAY (1)	(2)	A_{SI}
01	6+	6	6	7	7-	5o	7-	7o	7	6	7	7	6	6	6	6	2	2	7	5	3	1	10
02	6+	6	6	7	6+	5+	7-	7o	7	6	7	7	6	5	6	6	3	2	11	3	2	2	8
03	7-	6	6	7	7-	6o	7-	7-	7	6	7	7	6	6	6	6	1	1	4	3	1	0	2
04	7-	6	6	6	7-	6-	7-	7o	7	6	7	7	6	6	6	6	3	2	11	5	2	1	8
05	6+	6	6	6	7-	5+	7-	7o	7	6	7	7	6	6	6	6	2	1	5	7	1	1	4
06	6+	6	6	6	6+	6o	7-	7o	7	6	7	7	6	6	6	6	3	2	10	10	3	0	8
07	7-	6	6	6	7-	6+	7-	7o	7	6	7	7	6	6	6	6	1	1	3	7	1	0	2
08	7-	6	6	7	7-	6o	7-	7-	7	6	7	7	6	6	6	6	1	2	4	5	1	1	3
09	6+	6	6	7	7-	5+	7-	7-	7	6	7	7	6	6	6	6	2	0	5	5	2	0	8
10	7-	6	6	7	7-	6o	7-	7o	7	6	7	7	6	6	6	6	1	1	2	7	0	0	0
11	7-	6	6	7	7-	6+	7-	7-	7	6	7	7	6	6	6	6	1	3	10	7	0	3	7
12	7-	6	6	7	7-	6+	7-	7-	6	6	7	6	6	6	6	6	2	2	8	5	2	2	6
13	6+	6	6	6	7-	6-	7-	7-	7	6	7	7	6	6	6	6	3	1	8	3	2	0	6
14	7-	6	6	6	7-	6o	7-	7o	7	6	7	7	6	7	6	6	1	1	2	3	0	0	1
15	7-	6	6	7	7o	6+	7o	7o	7	6	7	7	6	6	6	6	0	0	0	1	0	0	1
16	7-	6	6	7	7-	7-	7-	7o	7	6	7	7	6	6	6	6	1	2	3	1	0	1	3
17	7-	6	6	7	7o	6+	7-	7o	7	6	7	7	6	6	6	6	2	1	6	3	2	1	6
18	7-	6	6	7	7o	6+	7o	7o	7	6	7	7	6	6	6	6	2	1	6	7	2	0	3
19	7-	6	6	6	7o	6+	7-	7o	7	6	7	7	6	6	6	6	1	1	3	10	1	0	3
20	7-	6	6	6	7-	7-	7-	7o	7	6	7	7	6	6	6	6	2	2	7	10	2	2	6
21	7-	6	6	7	7-	6o	7-	7o	6	6	7	7	6	6	6	6	2	1	6	6	1	1	3
22	7-	6	6	7	7o	7-	7-	7-	7	6	7	7	6	6	6	6	1	1	3	4	0	1	2
23	7-	6	6	7	7-	7-	7-	7o	7	6	7	7	6	6	6	6	1	1	2	2	0	0	1
24	7-	6	6	7	7o	7-	7o	7o	7	7	7	7	6	6	6	6	1	1	2	2	0	0	1
25	7o	6	7	7	7o	7-	7o	7o	7	7	7	7	6	6	6	6	1	1	4	5	1	1	3
26	6o	5	6	7	7-	7-	6o	5-	7	6	7	5	6	6	5	5	(4)	(6)	51	7	(4)	(6)	113
27	6+	6	6	7	5+	6o	7-	7o	4	4	6	6	6	6	6	6	2	1	4	10	2	0	6
28	7-	6	6	7	7-	6-	7-	7o	7	6	7	7	6	7	6	6	1	3	7	10	1	1	3
29	7-	6	6	7	7-	6+	7-	7-	7	7	7	7	6	6	6	6	1	1	4	6	1	1	2
30	7-	6	6	7	7-	6+	7-	7-	7	6	7	7	6	6	6	6	1	2	5	6	1	2	4
31	6o	5	6	7	6+	5+	7-	6o	6	6	6	6	5	5	5	5	(4)	(4)	32	3	(5)	(5)	53
QUIET			P	9					26	19	28	29											
			S	22					5	11	3	2											
			U	0					0	0	0	0											
			F	0					0	1	0	0											
DISTURBED			P	0					0	0	0	0											
			S	0					0	0	0	0											
			U	0					0	0	0	0											
			F	0					0	0	0	0											

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

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

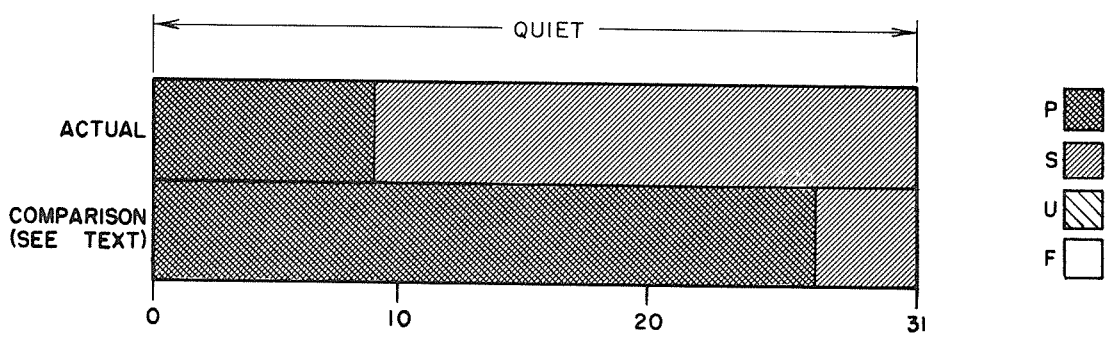
APRIL 1966

NORTH ATLANTIC



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

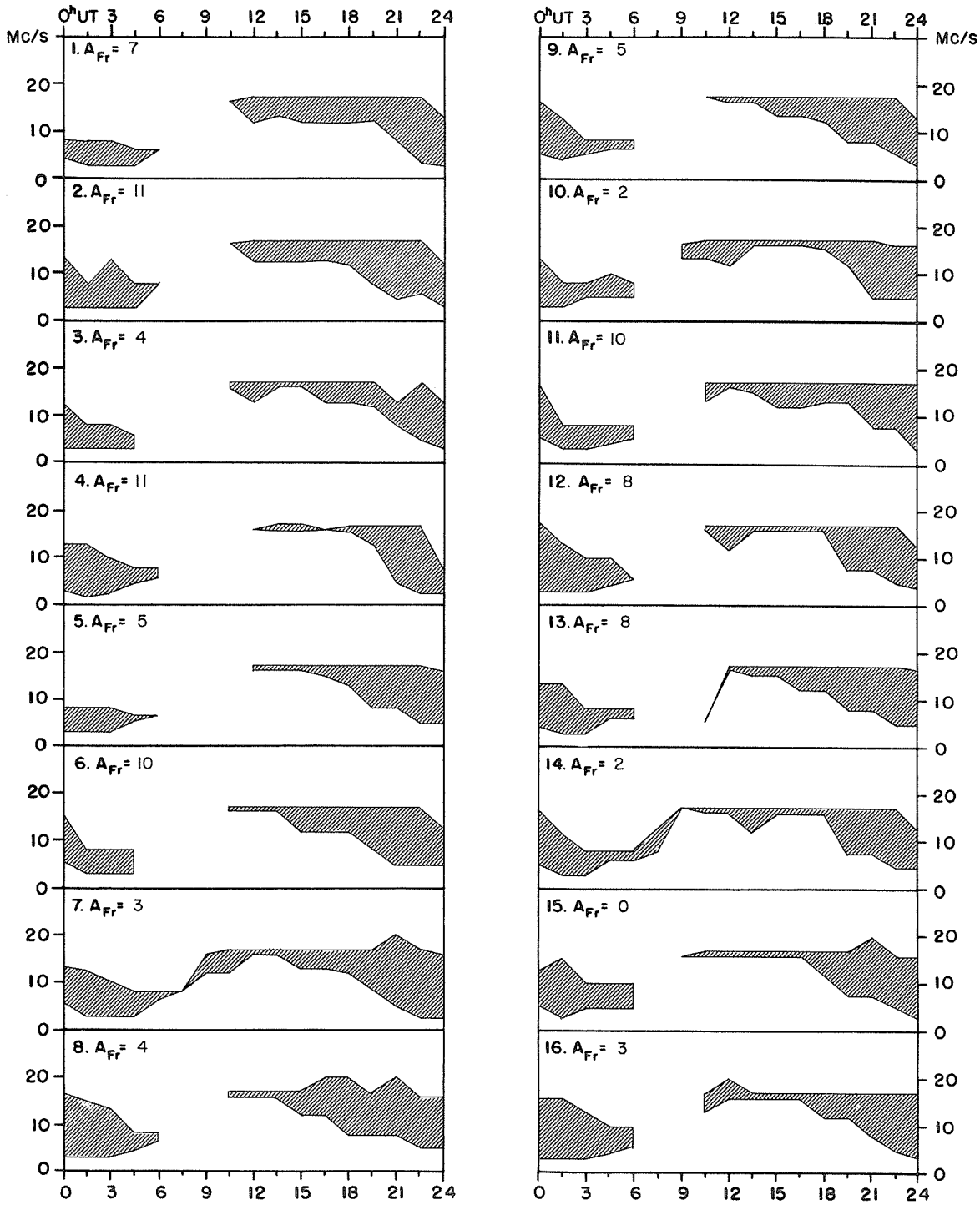
HIGH LATITUDE



VIIc

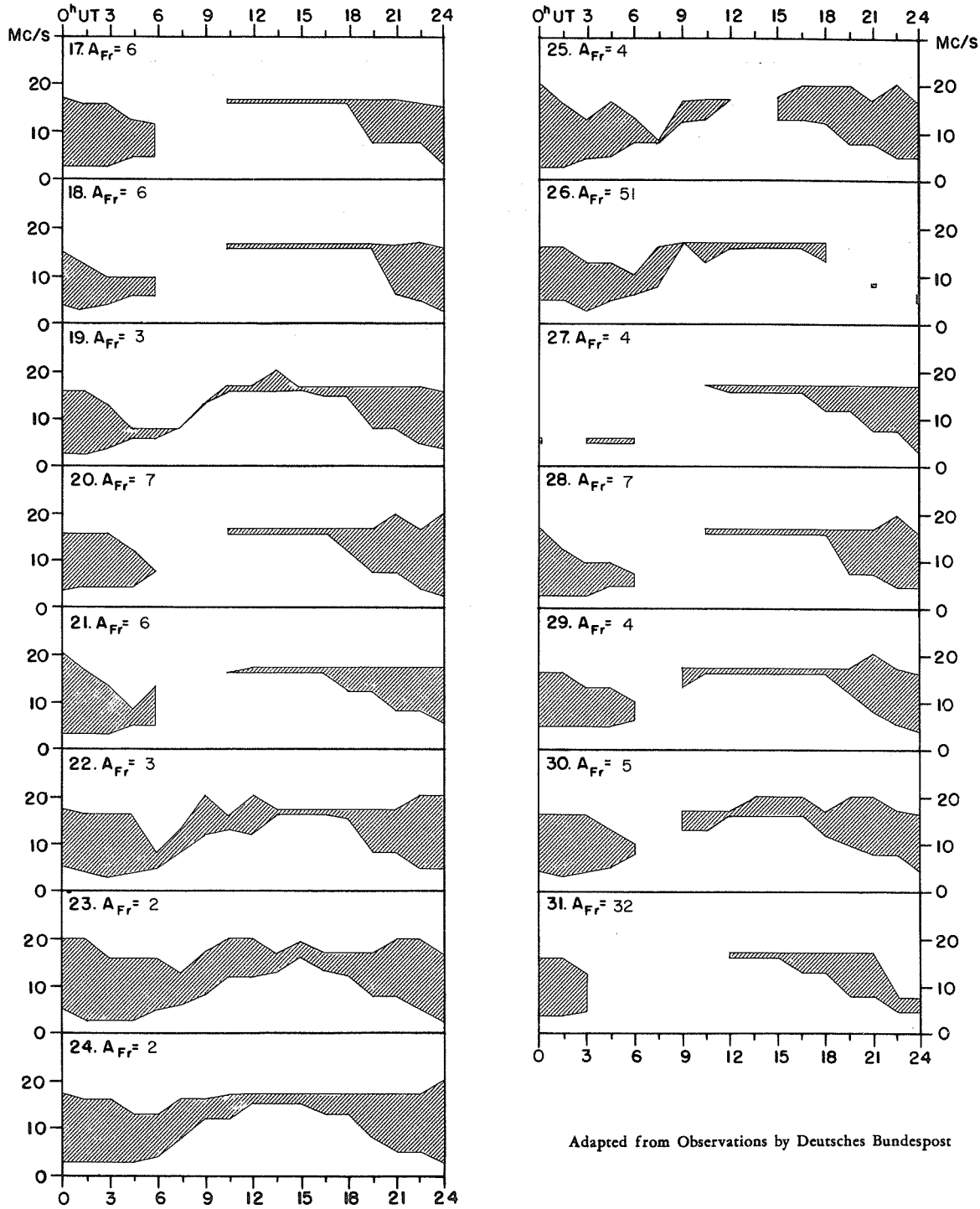
USEFUL FREQUENCY RANGES -- NORTH ATLANTIC PATH

MAY 1966



USEFUL FREQUENCY RANGES -- NORTH ATLANTIC PATH

MAY 1966



Adapted from Observations by Deutsches Bundespost

ALERT PERIODS

INTERNATIONAL URSIGRAM AND WORLD DAYS SERVICE

JUNE 1966

JUNE 1966	TIME OF ISSUE UT	ADVANCE GEOPHYSICAL ALERT	WORLDWIDE GEOPHYSICAL ALERT			
			NO.	TYPE	TIMING	ELABORATION
1	0400		360	Magnetic Storm	Exists	
10	0400		361	Magnetic Calm	Exists	
11	0400		362	Magnetic Calm	Exists	
25	1735	McMath, Solar Flare 25/1526Z				
26	0400		363	Solar Activity	Exists	Flares
			364	Magnetic Storm	Expected	
27	0400		365	Magnetic Storm	Expected	