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ENVIRONMENTAL DATA SERVICE
Woodrow C. Jacobs, Director

INSTITUTES FOR ENVIRONMENTAL RESEARCH

Solar-Geophysical Data

Number 271

for February 1967
January 1967
September 1966
& Miscellanea

DATA COMPILED BY THE INSTITUTE FOR TELECOMMUNICATION SCIENCES AND AERONOMY
BOULDER, COLORADO

WASHINGTON, D.C.
MARCH 1967

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

Table of Contents
for February 1967 Data

For explanations of the data contained herein see "Descriptive Text" published in February 1967.

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ALERT PERIODS

INTERNATIONAL URSIGRAM AND WORLD DAYS SERVICE

FEBRUARY 1967

FEB. 1967	TIME OF ISSUE UT	ADVANCE GEOPHYSICAL ALERT	WORLDWIDE GEOPHYSICAL ALERT			
			NO.	TYPE	TIMING	ELABORATION
1	0400		464	Solar Flares	Expected	S24W31 N28E72
	1515+	ADALERTPRESTO TENFLARE NERA 150 percent 011214Z				
2	0120+	ADALERTPRESTO TENFLARE Toyokawa 360 percent 012305Z				
	0400		465	Solar Flares	Alert Ends	
4	1918	ADALERTPRESTO TENFLARE Ottawa 240 percent 041639Z				
7	0400		466	Solar Flares	Expected	N15E07 N22ELimb
	1827	AGIWARN, Magnetic Storm 071638Z				
8	0400		467	Solar Flares	Expected	N16W02 N20E19 N22 E68
			468	Magnetic Storm	071638Z	
9	0400		469	Solar Flares	Expected	N16W15 N20E11
			470	Magnetic Storm	Ends	
10	0400		471	Solar Flares	Expected	N13W30
11	0400		472	Solar Flares	Alert Ends	
13	1900	Sac Peak, Solar Flare 4B N20W10 131754Z				
14	0400		473	Magnetic Storm	Expected	
15	0400		474	Magnetic Storm	Expected	
16	0128	AGIWARN, Magnetic Storm 152348Z Major				
	0400		475	Magnetic Storm	152348Z	Major
17	0400		476	Magnetic Storm	Ends	
22	0400		477	Solar Flares	Expected	N22E68
23	0400		478	Solar Flares	Expected	N23E57
	1405	Manila, Solar Flare 3B N25E45 230831Z				
24	0400		479	Solar Proton Flare	Expected	N22E40 Delta Sunspot
25	0400		480	Solar Proton Flare	Expected	N23E28 Delta Sunspot
26	0400		481	Solar Proton Flare	Expected	N22E13 Delta Sunspot
27	0400		482	Solar Flares	Expected	N23E01
	1725	ADALERTPRESTO TENFLARE Ottawa 440 percent 271643Z				
	1815	Sac Peak, Solar Flare 2B N23W05 271640Z Type Four Burst 271640Z				
28	0400		483	Solar Flares	Expected	N23W12

RELATIVE SUNSPOT NUMBERS

ZURICH, R_Z

1966 (FINAL) — 1967 (PROVISIONAL)

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.
1	22	7	25	64	50	71	49	78	44	57	43	35	60	93
2	21	11	11	58	52	74	49	74	44	55	42	33	93	88
3	20	21	14	74	57	41	54	72	25	50	38	30	124	92
4	17	17	20	74	61	60	53	68	18	36	38	57	148	100
5	11	19	15	59	43	48	48	60	26	40	20	69	150	72
6	0	17	15	63	32	47	46	50	30	44	32	68	148	89
7	7	17	12	70	29	40	58	33	36	53	48	64	134	138
8	13	14	11	65	17	35	68	13	38	48	55	88	116	109
9	13	12	15	49	8	33	60	13	39	44	59	86	111	112
10	0	12	14	37	0	25	65	0	37	65	63	112	111	97
11	0	14	10	29	14	43	52	16	42	66	72	125	104	96
12	0	11	0	27	14	34	62	36	38	64	80	130	90	79
13	17	18	7	24	23	34	56	30	33	72	68	118	86	77
14	30	14	0	29	50	31	42	37	35	64	66	113	85	58
15	40	16	10	29	46	22	34	41	38	60	66	107	56	58
16	58	13	26	35	47	40	48	40	57	70	52	116	56	60
17	51	19	44	40	35	46	42	41	76	70	59	88	59	60
18	64	24	53	40	28	40	49	39	83	70	57	76	72	70
19	68	29	60	30	35	36	38	33	76	76	65	57	82	57
20	64	39	54	41	58	42	65	28	78	96	74	46	82	60
21	58	42	50	44	80	33	55	22	89	91	77	37	102	71
22	52	50	52	56	72	35	66	38	86	83	78	34	134	86
23	42	55	40	69	68	62	56	65	71	75	76	38	152	84
24	44	45	31	58	68	66	70	71	67	64	72	45	122	100
25	37	39	24	61	64	80	67	89	68	50	74	60	133	106
26	23	40	18	54	70	82	74	95	54	47	67	65	136	123
27	17	36	10	40	66	76	65	90	48	39	59	48	130	186
28	16	33	12	40	60	52	70	84	42	36	41	48	125	166
29	21		35	48	42	47	76	89	45	27	37	51	122	
30	28		44	53	56	55	59	76	42	27	37	70	132	
31	19		52		58		62	66		35		68	108	
MEAN	28.2	24.4	25.3	48.7	45.3	47.7	56.7	51.2	50.2	57.2	57.2	70.4	108.5	92.4

1966 Yearly Mean = 47.0

DAILY SOLAR FLUX AT 2800 Mc/s
OTTAWA ARO

FLUX ADJUSTED TO 1 A.U., S_a

1966 — 1967

DAY	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.
1	79.7	106.8*	91.7	104.8	100.1	125.9	116.6	101.4	94.6	92.2	124.4	151.6
2	76.7	106.3	94.0	103.9	98.2	119.6	106.3	102.0	96.7	95.1	143.0*	143.5
3	75.8	102.1	94.0	102.6	99.3	118.2*	103.2	103.2	93.1		154.0	138.7
4	75.5	102.6	92.5	102.0	104.8	116.0*	101.9	100.6*	91.7	104.8	160.7	137.3*
5	74.8	102.0	88.6	101.7	105.0	110.5	100.5	100.0	97.9	110.9*	168.2	146.8*
6	75.5	104.2	87.5	101.9	109.7	106.0	97.9	101.9*	104.7	115.6*	160.5	148.8
7	76.2	102.8*	89.9	96.9	112.6	101.5	95.8*	103.1	113.4	117.7	153.6	162.5
8	76.4	107.3*	87.8	99.5	114.4	97.7	96.2*	99.4	116.9	123.7	142.9	148.3
9	78.5	100.3	87.5	98.9	107.8	96.4	95.3	103.5	117.2	146.2	144.7	145.9
10	78.6	94.8	86.6	96.8	108.1*	94.3	93.9	106.5	121.9	157.3*	145.6	140.5
11	78.0	93.9	88.3	96.1	109.0	92.5	96.6	109.8	126.1	162.8*	139.8	133.7
12	78.3	94.8	92.6	95.9	102.7	92.8	100.8*	114.8	126.2	157.6	139.1	132.9
13	80.0	93.1	92.9	96.1	100.4	93.2	102.4	122.8*	126.4	155.5	138.1	130.0
14	81.4	91.0	97.2	96.9	99.8	92.8	107.4	120.3	124.0	149.5	135.2	129.2
15	87.1*	96.3	99.2	94.7	101.1	93.7	112.0	120.6	122.6	144.9	126.6	126.4
16	92.9*	93.2	100.1	97.9	102.8	95.1	124.6*	120.3*	121.2	135.1	120.2	124.9
17	105.1*	95.2	98.9	99.5	101.2	96.8	129.1	120.5*	113.2	124.9*	116.9	122.2*
18	109.6	92.9	98.7	98.2	101.3	97.5	142.6	118.5*	113.4	111.2	117.4	124.2
19	114.6	89.0	107.1*	96.9	101.5	100.0	146.6	115.6*	111.0	112.3	116.4	121.0
20	111.0	93.5	115.5*	94.3	101.8	101.6	146.0*	124.1	110.9	107.6	127.0	128.6
21	120.3	91.7	123.6	93.5	103.7	102.7	137.2	120.9*	110.7*	106.5	138.2	131.8*
22	105.1	93.4	121.0	96.1	106.5	105.5	131.5*	119.8*	116.5	105.5*	139.9	146.0
23	96.2	98.8	113.9	99.2	114.9	114.7	127.5*	111.1	114.7*	110.6*	148.8*	149.3*
24	92.9	103.7	117.7	103.5	120.6	122.0*	126.0	106.1	113.8	110.5	146.8	162.2
25	91.1	103.8*	115.1	104.8*	126.0	126.3*	118.8*	100.8	110.7	111.6	142.7*	159.5*
26	84.7	101.3*	112.3	105.6*	127.6	130.2	109.4	97.7	107.3	110.9	154.3	173.3*
27	83.1	96.0	108.5	100.8	123.8	133.4	102.9	92.0	111.1*	109.6	158.3	176.7
28	87.6	94.9	**	101.4	124.2	132.6*	97.9	94.1	104.1	107.5	156.2	180.2
29	96.1	94.5	106.8	99.8	132.9	129.8	98.6	99.7	98.0	109.3	158.2*	
30	99.0	93.3	101.6	100.7	128.0	126.1	95.7	95.7	94.6*	115.1	159.0	
31	110.4		105.6		124.6	120.9		97.1		120.5*	156.4	
MEAN	89.4	97.8	100.6	99.4	110.1	109.2	112.4	107.9	110.8	121.4	143.0	143.4

* Adjusted for Burst

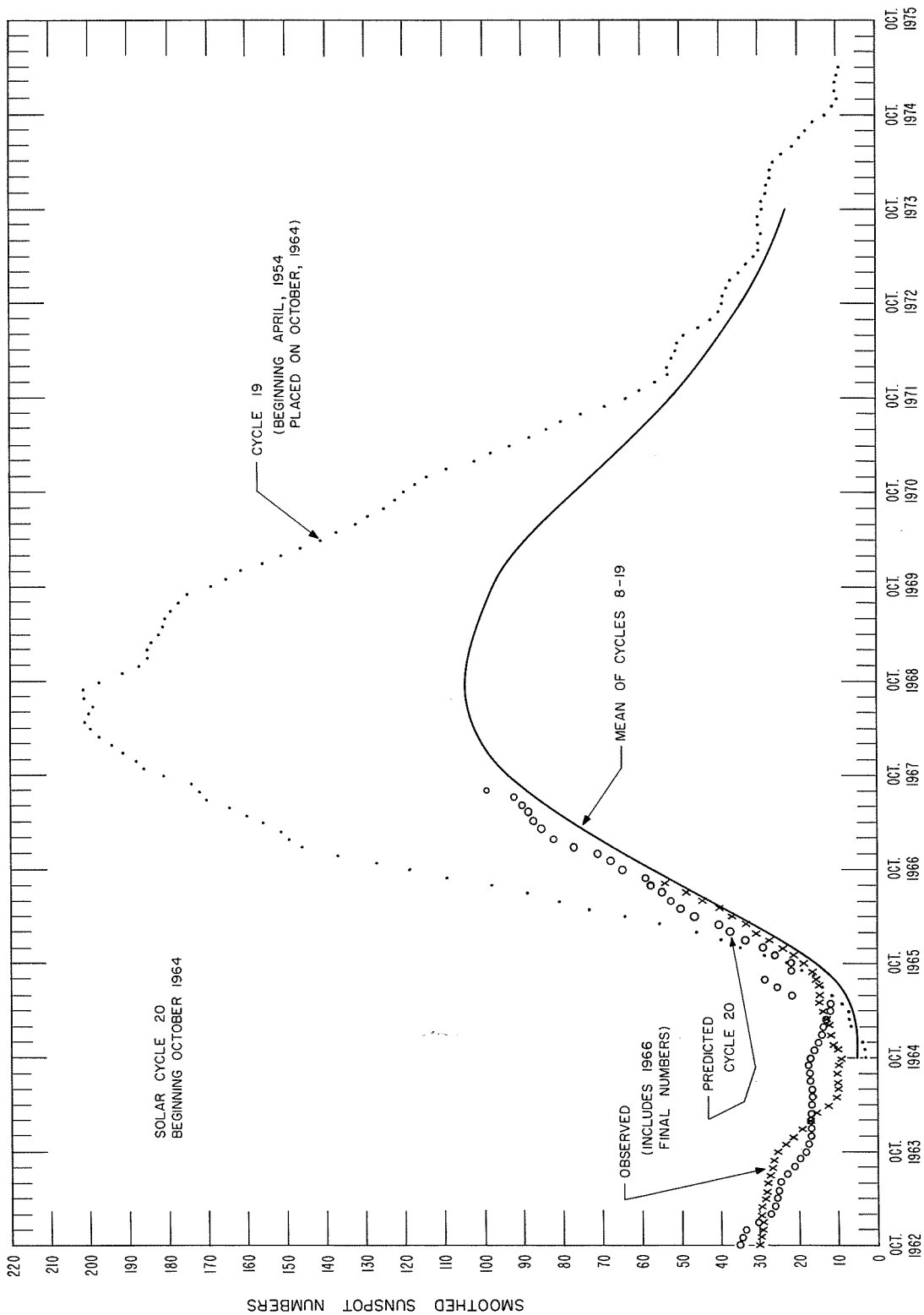
** Burst in Progress

DAILY SOLAR INDICES

FEBRUARY 1967

FEB. 1967	YEAR DAY	BARTELS 27-DAY CYCLE NUMBER	SUNSPOT NUMBERS R_Z	SUNSPOT NUMBERS $R_{A'}$	OBSERVED FLUX OTTAWA 2800	SOLAR FLUX ADJUSTED TO I A.U. AFCRL 8800	AFCRL 4995	OTTAWA 2800	AFCRL 2695	AFCRL 1415	AFCRL 606
01	32	27	93	103	156.1	314	180	151.6	159.4	104.9	63.3
02	33	1	88	89	147.8	312	173	143.5	151.4	105.7	64.4
03	34	2	92	69	142.9	310	173	138.7	142.7	110.3	60.7
04	35	3	100	70	141.3*	306	184	137.3*	145.0	107.3	62.1
05	36	4	72	74	151.0*	316	185	146.8*	146.6	107.1	64.2
06	37	5	89	107	153.1	318	207	148.8	161.6	110.7	65.7
07	38	6	138	118	167.0	321	211	162.5	176.1	113.5	66.6
08	39	7	109	114	152.4	303	187	148.3	158.0	108.3	60.3
09	40	8	112	106	150.0	309	185	145.9	151.0	107.5	59.9
10	41	9	97	104	144.3	303	182	140.5	148.4	104.7	59.5
11	42	10	96	92	137.3	303	185	133.7	135.5	97.0	57.0
12	43	11	79	62	136.5	305	197	132.9	143.1	97.6	58.0
13	44	12	77	60	133.3	300	179	130.0	138.0	94.9	58.4
14	45	13	58	53	132.5	302	175	129.2	130.4	92.9	56.8
15	46	14	58	56	129.7	300	167	126.4	121.6	86.5	54.9
16	47	15	60	58	128.0	300	162	124.9	115.4	87.3	57.1
17	48	16	60	63	125.2*	301	169	122.2*	124.2	92.1	56.4
18	49	17	70	55	127.1	303	171	124.2	126.4	93.7	58.4
19	50	18	57	60	123.9	302	164	121.0	120.6	95.0	59.6
20	51	19	60	62	131.5	304	166	128.6	126.1	96.3	58.4
21	52	20	71	93	134.8*	306	170	131.8*	128.0	96.6	59.2
22	53	21	86	91	149.3	322	186	146.0	143.3	96.6	60.7
23	54	22	84	85	152.5*	317	196	149.3*	148.0	96.2	61.2
24	55	23	100	78	165.7	348	222	162.2	151.3	96.2	61.6
25	56	24	106	67	162.7*	355	238	159.5*	165.3	96.0	63.8
26	57	25	123	110	176.8*	363	251	173.3*	172.0	102.1	64.6
27	58	26	186	138	180.1	357	228	176.7	168.8	104.5	61.9
28	59	27	166	159	183.7	371	220	180.2	167.4	105.3	63.0
MEAN			92.4	85.6	147.0	317	190	143.4	145.2	100.2	60.6

* Adjusted for Burst



PREDICTED AND OBSERVED SUNSPOT NUMBERS

SMOOTHED OBSERVED SUNSPOT NUMBERS
ZURICH, R_Z

	1964	1965	1966
JAN		11.7	27.7
FEB		12.0	31.3
MAR		12.5	34.5
APR		13.6	37.4
MAY		14.6	40.7
JUN		15.0	44.6
JUL		15.5	48.8
AUG		16.4	55.0
SEP		17.4	
OCT	9.6	19.7	
NOV	10.2	22.3	
DEC	11.0	24.5	

CALCIUM PLAGE AND SUNSPOT REGIONS

FEBRUARY 1967

Feb. 1967	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	
2.2	S20	8672 (1)	8632	900	2.5	ℓ \ ℓ	3	<1/28	>11			
2.5	N16	8671 (2)	8631	1900	2.5	ℓ ⌜ ℓ	6&7	1/25	15	40	7	b Λ d
2.5	N02	8675	New	(400)	(1.5)	b - d	1	1/29	2			
3.3	S24	8673 (1)	8632	1700	2.5	ℓ Λ ℓ	3	1/28	12	10	2	b - d
3.8	S37	8676	New	(300)	(2.0)	b - d	1	1/29	2			
4.0	N28	8677 (3)	8631	1100	2.0	ℓ Λ ℓ	7	1/29	12			
4.2	N15	8674	8638	3600	3.5	ℓ / ℓ	2	1/28	14	10	3	b - d
5.4	S27	8678 (1)	8632	(1300)	(1.5)	ℓ \ ℓ	3	1/30	13			
5.7	S16	8681	New	(1500)	(3.0)	ℓ / ℓ	1	1/30	14	150	1	ℓ \ ℓ
5.7	N14	8683	New	(400)	(2.5)	b - d	1	≤2/3	≥6	10	2	b - d
6.3	N27	8680 (4)	8637	5400	3.0	ℓ ⌜ ℓ	2&3	1/30	15	50	3	ℓ - d
7.7	N16	8682	8644	3600	3.0	ℓ / ℓ	2	2/2	13	270	27	b Λ ℓ
9.2	S22	8690	New	(100)	(2.0)	b - d	1	2/10	3			
10.0	N23	8684 (5)	New	4400	3.5	ℓ ⌜ ℓ	1	2/3	>12	250	51	ℓ Λ ℓ
10.7	S25	8685	New	2300	3.5	ℓ Λ ℓ	1	2/3	14	(20)	(7)	ℓ \ d
11.4	S12	8699	New	(700)	(2.0)	b - ℓ	1	2/17	1			
12.9	N22	8687 (6)	New	4300	3.0	ℓ Λ ℓ	1	2/6	13	10	5	ℓ Λ d
13.2	S27	8686	8647	1700	2.5	ℓ \ ℓ	2	2/6	13	10	3	b - d
14.7	N16	8688	New	1300	3.5	ℓ V ℓ	1	2/8	13	70	20	ℓ Λ d
15.0	N25	8689	8648	500	2.0	ℓ - d	2	2/8	11			
16.4	S01	8692	New	300	1.0	ℓ - d	1	2/10	7			
16.5	N15	8691	8654	1800	2.5	ℓ ⌜ ℓ	2	2/10	13	10	1	ℓ - d
19.1	N19	8693	8650	2300	3.0	ℓ ⌜ ℓ	2	2/12	13	10	7	b ⌜ ℓ
19.1	N33	8696	8649	500	1.5	ℓ ⌞ d	5	<2/16	>7			
19.5	S23	8694 (7)	8651	(2100)	(3.0)	ℓ Λ ℓ	2&3	2/12	15	50	3	ℓ \ d
21.2	N18	8695	8659	5800	3.5	ℓ \ ℓ	4	2/14	13	120	5	ℓ - ℓ
22.1	S24	8700a	New	(500)	(3.5)	b - ℓ	1	2/28	1			
22.5	S28	8697	8657	600	1.0	ℓ ⌜ d	3	2/16	11			
22.7	N26	8698	8659	3400	3.0	ℓ ⌞ ℓ	4	2/16	14	80	23	ℓ \ ℓ
23.9	S26	8700	8661	700	2.5	ℓ J ℓ	2	2/17	13	(20)	(3)	b - d
24.2	N19	8701	8663	400	1.5	ℓ - d	2	<2/20	>6			
25.5	N17	8702	New	1000	2.0	b ⌞ ℓ	1	≤2/20	≥12	(10)	(1)	b - d
26.4	S25	8703	8667	3100	2.0	ℓ Λ ℓ	3	2/20	13	100	3	ℓ \ d
26.8	S10	8710	New	200	1.5	b ⌜ ℓ	1	2/26	>7			
27.4	N23	8704	8670	(8500)	(3.5)	ℓ ⌜ ℓ	2	2/20	15	1600	132	ℓ Λ ℓ

(1) Regions 8672, 8673 and 8678 are parts of region 8632 of the previous rotation.
(2) Region 8671 is a return of parts of regions 8631 and 8633 of the previous rotation.
(3) Region 8677 is part of region 8631 of the previous rotation.
(4) Region 8680 is a return of regions 8637 and 8639.
(5) Region 8684 is primarily a new plage, although it contains remnants of old plage 8641 of the previous rotation.
(6) Region 8687 is a new plage that has formed among the remnants of old plage 8646.
(7) Region 8694 is a return of regions 8651 and 8652.

No calcium spectroheliograms were secured at the McMath-Hulbert Observatory on Feb. 1, 4, 5, 15, 19 and 27, 1967.

MT. WILSON MAGNETIC CLASSIFICATIONS OF SUNSPOTS

FEBRUARY 1967

Feb. 1967	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
1	2315	N19	W11	βp	16234
		S22	W46	αp	16235
		N14	E04	βp	16238
		S16	E54	αp	16241
		N26	E56	βp	16242
		N14	E75	αp	16243
		S21	E22	βp	16244
2	2345	N20	W26	(βp)2	16234
		S21	W59	(αp)4	16235
		N14	W13	(αp)3	16238
		S16	E40	(αp)4	16241
		N25	E43	(βp)3	16242
		N13	E60	(βf)5*	16243
		S21	E08	(βp)2	16244
		S15	E32	(β)1	16245
3	No Obs.				
4	0020	N17	W42	βp	16234
		S22	W70	(αp)3	16235
		N15	W24	(βp)2	16238
		S16	E27	(αp)4	16241
		N27	E26	(βp)3	16242
		N13	E47	(αp)4	16243
		S15	E21	(βp)1	16245
		N18	E71	(αf)1	16246
4	1745	N20	W52	(αp)1	16234
		S22	W80	αp	16235
		N15	W37	(αp)3	16238
		S16	E17	(αp)5	16241
		N27	E16	(βp)3	16242
		N14	E37	(αp)5	16243
		S20	W12	αp	16244
		N19	E60	(αp)4	16246
		N13	E13	(β)2	16247
		S19	W33	αp	16248
		S25	E73	(βp)3	16249
5	2045	N15	W45	(βp)2	16238
		S16	E03	(αp)5	16241
		N27	E02	(αp)4	16242
		N14	E23	(αp)5	16243
		N19	E50	(βγ)3	16246
		S25	E61	(βp)4	16249
		N16	W52	(αp)2	16250
6	1935	N14	W58	(βp)2	16238
		S16	W10	(αp)5	16241
		N26	W10	(βp)3	16242
		N13	E10	(αp)5	16243
		N19	E38	(β)3	16246
		S25	E48	(βp)3	16249
		S23	E72	(αp)1	16251
		N20	E76	(αp)2	16252
		N14	E17	(βγ)4	16253
		N27	WOE	(β)1	16254
7	1825	S16	W23	(αp)4	16241
		N26	W23	(βp)2	16242
		N13	W03	(αp)5	16243
		N19	E25	(β)4	16246
		S25	E35	(βp)2	16249
		S23	E60	αp	16251
		N20	E68	(βp)2	16252
		N14	E04	(βp)4	16253
		N27	W13	(β)1	16254
		N12	W50	αp	16255
		S16	W15	(βf)2	16256
8	No Obs.				
9	0030	S17	W39	αp	16241
		N27	W40	αp	16242
		N13	W19	αp	16243
		N19	E10	β	16246
		S25	E20	βp	16249
		N20	E54	β	16252
		N13	W12	β	16253
		S17	W30	βf	16256
		N15	E77	αp	16257
9	2010	S17	W50	(αp)4	16241
		N13	W31	(αp)4	16243
		N19	W0E	(βγ)4	16246
		S25	E07	(αp)1	16249
		N20	E43	(βf)3	16252
		N19	W23	(βγ)4	16253
		S17	W42	(βp)2	16256
		N15	E65	(αp)4	16257
10	2130	S16	W65	(αp)3	16241
		N14	W46	(αp)4	16243
		N19	W15	(βγ)3	16246
		N18	E27	(βf)2	16252
		N14	W37	(βp)4	16253
		S16	W59	(αp)1	16256
		N13	E48	(αp)4	16257
		N14	E76	(αp)2	16258
		S23	W20	(αp)1	16259
11	1845	N14	W58	(αp)4	16243
		N19	W27	(βf)3	16246
		N20	E16	(βf)2	16252
		N14	W49	(βp)4	16253
		S17	W76	(αp)3	16256
		N15	E35	(αp)4	16257
		N15	E64	(αp)3	16258
		S23	W18	αp	16259
		N22	E08	(αp)1	16260
		S19	E11	(αp)1	16261
12	2220	N13	W73	αp	16243
		N19	W44	β	16246
		N13	W66	βp	16253
		N15	E19	αp	16257
		N15	E47	αp	16258

* Polarities reversed for cycle 20

MT. WILSON MAGNETIC CLASSIFICATIONS OF SUNSPOTS

FEBRUARY 1967

Feb. 1967	TIME MEAS. UT	LAT.	MER. DIST.	TYPE	No.
		N21	W06	αp	16260
		N13	E71	β	16262
13	1845	N14	W86	αp	16243
		N19	W52	(β)3	16246
		N18	W07	(αf)1	16252
		N15	W79	β	16253
		N15	E08	(βp)2	16257
		N13	E34	(αp)4	16258
		N22	W15	(αp)2	16260
		S25	E78	(αp)3	16263
14	No Obs.				
15	1645	N16	W17	(βp)4	16257
		N13	E07	(αp)2	16258
		S23	E54	(αp)3	16263
		N20	E74	αp	16264
		N21	E81	αp	16265
16	1930	N16	W33	β	16257
		N12	W09	αp	16258
		S24	E38	αp	16263
		N16	E55	αp	16264
		N20	E66	αp	16265
		N23	E72	αp	16266
17	1640	N17	W46	(βp)3	16257
		N13	W21	(αp)2	16258
		S24	E27	(βp)4	16263
		N16	E42	(αp)5	16264
		N19	E55	(αp)5	16265
		N22	E60	(αp)1	16266
		N22	E53	(αp)2	16267
18	1630	N16	W59	(βp)2	16257
		N12	W36	(αp)1	16258
		S23	E16	(αp)4	16263
		N16	E29	(αp)5	16264
		N19	E41	(αp)4	16265
		N23	E49	(αp)1	16266
		N23	E39	(αp)1	16267
		N14	W22	(αf)1	16268
		N14	W08	(αp)1	16269
19	No Obs.				
20	1825	S24	W12	αp	16263
		N17	E01	αp	16264
		N19	E13	αp	16265
		N23	E21	αp	16266
		N15	W36	β	16269
		S22	E73	αp	16270
21	1630	S24	W22	(αp)2	16263
		N17	W11	(αp)4	16264
		N19	E01	(αp)5	16265
		N22	E07	(αp)2	16266
		N14	W48	(αp)2	16269
		S22	E62	(αp)3	16270
		N22	E78	αp	16272
		S27	E24	(β)2	16273
22	No Obs.				
23	0030	N17	W27	αp	16264
		N22	W16	αp	16265
		N25	W09	αp	16266
		N16	W62	αp	16269
		S22	E64	αp	16270
		N22	E60	β	16272
23	1645	N18	W36	αp	16264
		N20	W26	αp	16265
		N23	W18	αp	16266
		N15	W76	αp	16269
		S23	E35	αp	16270
		N23	E49	(δ)4	16272
		N15	W31	αp	16274
		S24	W50	αp	16275
24	No Obs.				
25	No Obs.				
26	1955	N16	W78	αp	16264
		N19	W66	αp	16265
		N23	W60	αp	16266
		S22	W05	(αp)4	16270
		N24	E06	(δ)6	16272
		N15	W24	(αp)1	16276
		N11	W13	(βp)1	16277
		S19	E31	(β)2	16278
		S15	E39	(βp)3	16279
		S21	E83	(βp)2	16280
		N17	E42	(αp)1	16281
27	1925	N15	W82	αp	16265
		S24	W16	(αp)3	16270
		N24	W10	(δ)5	16272
		N12	W40	(αp)1	16276
		S18	E17	(β)2	16278
		S12	E26	(βf)2	16279
		S16	E70	(βf)3	16280
		N17	E75	(αp)2	16282
		S11	E75	(αp)2	16283
		S20	E45	(αp)1	16284
		N20	E25	(βf)2	16285
		S30	W72	(β)1	16286
28	1845	S22	W31	(αp)3	16270
		N25	W20	(δ)5	16272
		S20	E03	(β)2	16278
		S15	E16	(αf)2	16279
		S22	E58	(βp)4	16280
		N11	E65	(β)2	16282
		S16	E61	(αp)2	16283
		S25	E30	(αp)1	16284
		N16	E14	(βp)4	16285
		S10	W11	(βp)2	16287

SOLAR FLARES

PRELIMINARY

FEBRUARY 1967

OBSERVATORY	OBSERVED UT DATE 1967 FEB	START	END	MAX. PHASE	LOCATION APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
ISTA	01	0745E	0805		S25	W37	.645	8667	29.5	20D	1N								
ISTA	01	0750	0805		N25	W90	1.001	8659	25.6	15	1N								
MANI	02	0211E	0223		N29	E62	.934	8680	6.7	12D	1N	2		0213	.98	2.10			
MANI	03	0305E	0412D	0312	N13	E59	.880	8682	7.6	67D	2B	2		0312	2.78	5.24			
LOCK	03	2034	2102	2050	S27	E82	.985	8685	10.0	28	1F		C	2050	.60	2.10		10	HJ
LOCK	04	1640	1915	1700	N11	E40	.687	8682	7.7	155	2B		C	1700	4.00	5.60		30	L
SACP	04	1642	1835	1658	N11	E40	.687	8682	7.7	113	2B		C		5.81	6.70			
SACP	05	1410E	1555U	1410E	S18	E13	.297	8681	6.6	105U	1N		C		3.93	3.87			
MONT	06	0818E	0930		N20	E43	.764	8684	9.6	72D	1F		C		1.03				O
ARCE	06	0900E	0940D		N20	E90	1.001		13.1	40D	-N		C	0900	.28	1.60			
ARCE	06	0920E	0940D		N19	E90	1.001	8687	13.1	20D	1N		C	0930	.37	2.10			
LOCK	06	1825	2015	1849	N25	E83	.998	8687	13.0	110	2N		C	1849	2.80	9.50		20	H
MCMA	06	1838E	1915D	1844	N25	E90	1.001	8687	13.5	37D	2N		C	1844					A
HUAN	06	1853E	1907		N27	E88	1.000		13.4	14D	-F	1	P	1853	.88				E
LOCK	06	2020	2045	2030	N19	E83	.997	8687	13.1	25	1F		C	2030	.70	2.40		10	H
MANI	07	0130E	0155	0136	N20	E33	.667	8684	9.5	25D	1B	3		0136	1.65	2.26			
IKOM	07	0144	0153		N17	E40	.719	8684	10.1	9	1N		V	0144	2.89	4.00		120	E
ARCE	07	0924E	0939D		N17	E33	.645	8684	9.9	15D	1F		C	0925	1.85	2.30			
WEND	07	0945E	1003D		N18	E74	.974	8687	13.0	18D	1F		V		4.13				
ARCE	07	0954	1000D	0956	N19	E80	.992		13.4	6D	-N		C	0956	.43	1.40			
WEND	07	1025	1125	1037	N18	E29	.610	8684	9.6	60	2B		V		8.25				
CAPS	07	1054E	1111D		N19	E30	.629	8684	9.7	17D	1N	1							F
WEND	07	1136	1212		N18	E74	.974	8687	13.0	36	2N		V		5.16				
WEND	07	1148	1223		N13	E10	.371	8682	8.2	35	1N		V		3.09				
WEND	07	1153	1203		N17	E13	.449		8.5	10	-N								
WEND	07	1255E	1333D		N17	E73	.969	8687	13.0	38D	2F		V		6.19				
SACP	07	1506	1533	1510	N26	E83	.998	8687	13.9	27	1N		C		1.88				
MCMA	07	1507	1525	1508	N24	E85	.999	8687	14.0	18	-N		C	1508					EH
HUAN	07	2004E	2030		N19	E25	.579	8684	9.7	26D	1F	1	P	2004	3.20	3.42			U
ARCE	08	0840E	0915D		N11	W06	.317	8682	7.9	35D	1N		P	0915	2.34	2.50			
MONT	08	0840	0925D	0900	N10	W05	.296	8682	8.0	45D	1B		C	0858	1.55				OU
ISTA	08	0845	0935		N12	W05	.328	8682	8.0	50	2N								
KAND	08	0850	0927		N11	W06	.317	8682	7.9	37	1B			0915		3.34			C
LOCK	08	2232	2300	2244	N17	W65	.930	8674	4.1	28	1F		C	2244	1.00	2.30		10	L
SACP	08	2234	2303	2240	N13	W62	.903	8674	4.3	29	1F		C		1.61	2.64			
MONT	09	1016	1100	1020	N11	W24	.494	8682	7.6	44	1N		C	1019	1.24				OE
MONT	09	1101	1200		N13	W20	.467	8682	8.0	59	1N		C	1105	1.03				OE
ARCE	10	0855	1005D	0955	N14	E88	1.000	8691	17.0	70D	1N		C	0955	.65	3.20			
CAPS	12	1117E	1226D		N14	E57	.868	8691	16.7	69D	1N	2		1119	2.00	3.80		164	C
HUAN	12	1234	1345		N16	E30	.607	8688	14.8	71	1N	1	P	1248	2.48	2.72			
CAPS	12	1237E	1324D		N15	E30	.599	8688	14.8	47D	1N	1		1249	3.00	3.90			FI
WEND	12	1309E	1338		N18	E29	.613	8688	14.7	29D	2F		V		10.31				
SACP	12	2137	2207	2150	N12	W69	.946	8682	7.7	30	1N		C		1.08	2.12			
SACP	13	1746	2243D	1816	N22	W10	.505	8687	13.0	297D	4B		C		37.32	38.68			
LOCK	13	1748	2130U	1815	N22	W07	.493	8687	13.2	222U	3B		C	1815	13.00	15.60		30	L
MCMA	13	1751	2005D		N20	W13	.494	8687	12.8	134D	3B		C	1820	12.38	14.00			ILSU
HUAN	13	1946E	2026D		N20	W10	.477	8687	13.1	40D	2F	1	P	1949	4.64	4.82			EIL
LOCK	13	2015U	2110U	2030U	N15	W54	.846		9.8	55U	-F		C	2030	.90	1.70		10	
SACP	13	2031	2204	2101	N17	W55	.860	8684	9.7	93	1F		C		1.61	2.35			
LOCK	13	2213	2220U	2216	N18	W90	1.001	8682	7.2	7U	1B		C	2216	.60	2.30		20	
SACP	13	2215	2241	2221	N19	W82	.996	8682	7.8	26	1N		C		1.69				
LOCK	13	2233	2250	2240	N18	W90	1.001		7.2	17	-F		C	2240	.30	1.10		10	H
CAPS	14	0846E	0920		N15	E90	1.000	8695	21.1	34D	1N	3		0859				169	AC
ARCE	14	0853	0915	0857	N11	E90	1.000	8695	21.1	22	1N		C	0857	.56	3.20			
MONT	14	1425	1500D	1430	N15	E27	.566	8691	16.6	35D	1B		C	1430	1.86				O
MCMA	14	1429E	1432D		N16	E27	.575	8691	16.6	3D	-F		S	1431	.83	1.00			E
LOCK	15	2303	2350	2310	N14	E67	.938	8695	21.0	47	1N		C	2310	1.30	4.00		20	
SACP	15	2304	2315D	2309	N14	E67	.938	8695	21.0	11D	1N		C		1.38	2.60			
CAPF	16	1143E	1153	1143	N17	W80	.992	8684	10.5	10D	1N		P	1146	1.18				H
SACP	16	2043	2118	2102	N15	E56	.863	8695	21.1	35	1F		C		1.77	2.62			
LOCK	16	2045	2120	2052	N14	E64	.919		21.7	35	-F		C	2052	.60	1.30		10	
LOCK	16	2204	2237	2207	N29	E62	.937	8695	21.6	33	1N		C	2207	2.10	5.00		20	H
SACP	17	1534	1728	1557	N23	E23	.608	8693	19.4	114	1F		C		4.04	4.39			

SOLAR FLARES

PRELIMINARY

FEBRUARY 1967

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. %	
	1967 FEB																		
MCMA	17	1543	1655	1555	N22	E23	.597	8693	19.4	72	-N		C	1555	.83	1.00			EL
MCMA	17			1630															
SACP	17	1923	1940	1926	N22	W60	.910	8687	13.3	17	1F		C		1.28	2.15			
SACP	17	1934	1952	1941	N24	E65	.942	8698	22.7	18	1N		C		1.98	3.85			
LOCK	17	1936	1951	1940	N25	E62	.928	8698	22.5	15	1B		C	1940	1.00	2.40		30	
MCMA	17	1937	1948	1942	N28	E68	.962	8698	22.9	11	-B		C	1942	.52	1.80			E
SACP	17	1957	2023	2005	N24	E65	.942	8698	22.7	26	1N		C		1.18	2.24			
MCMA	17	2002	2014	2004	N28	E68	.962	8698	22.9	12	-N		C	2004	.41	1.40			E
LOCK	17	2212	2228	2215	N22	E56	.883		22.1	16	-B		C	2215	1.00	2.00		30	
SACP	17	2212	2230	2217	N24	E57	.896	8698	22.2	18	1B		C		1.77	2.80			
LOCK	20	1631	1648	1637	N22	E90	1.001	8704	27.4	17	1N		C	1637	.60	2.30		20	H
MANI	21	0630E	0721D		N22	E83	.998	8704	27.5	51D	1N	2		0631	.83	2.26			
IKOM	21	0632	0632D		N22	E80	.993		27.3		-B		P	0632	.72				DO
HUAN	21	1609E	1614D		N25	E72	.974		27.1	5D	-N	1	P	1611	.35				D
LOCK	21	1609E	1617	1609U	N24	E64	.938	8704	26.5	8D	1N		C	1609	1.00	2.40		20	L
MCMA	21	1613E	1850D		N26	E70	.968	8704	26.9	157D	1B		P	1613					B
LOCK	21	1630	1638	1635	N23	E70	.964	8704	26.9	8	1N		C	1635	.80	2.20		20	L
HUAN	21	1633	1637	1635	N24	E77	.988		27.5	4	-N	1	P	1635	.35				D
LOCK	21	2030	2054	2033	N23	E68	.956	8704	27.0	24	1N		C	2047	.90	2.40		20	H
LOCK	21	2030	2054	2047	N23	E68	.956	8704	27.0	24	1N		C	2047	.90	2.40		20	H
SACP	21	2034	2112	2102	N25	E69	.963	8704	27.0	38	1B		C		2.09	4.55			
LOCK	21	2056	2125	2105	N23	E67	.951		26.9	29	-N		C	2105	.70	1.90		20	H
HUAN	21	2103E	2107D		N25	E72	.974		27.3	4D	-B	1	P	2104	.62				D
LOCK	21	2146	2212	2157	N23	E67	.951	8704	26.9	26	1F		C	2157	1.10	3.00		20	H
HUAN	21	2153E	2207D		N23	E68	.956	8704	27.0	14D	1N	1	P	2153	.96				E
LOCK	21	2217	2250	2226	N23	E67	.951	8704	27.0	33	1F		C	2226	.80	2.20		10	H
MANI	22	0406E	0438	0407	N23	E65	.941	8704	27.0	32D	1F	2		0407	1.50	3.20			
IKOM	22	0414	0414D		N22	E66	.945	8704	27.1		1B		P	0414	1.03	2.60			EO
MANI	22	0501	0519	0511	N22	E61	.917	8704	26.8	18	1B	2		0511	1.65	3.54			
MANI	22	0622	0641	0625	N23	E64	.936	8704	27.1	19	2B	2		0625	3.51	7.52			
MONT	22	0755E	0800		N22	E65	.939	8704	27.2	5D	1N		C	0755	.93				OT
MONT	22	0755E	0800		N18	W54	.856	8693	18.3	5D	1N		C	0755	1.03				O
MONT	22	0802	0838	0826	N22	E65	.939	8704	27.2	36	2B		C	0828	1.65				
MONT	22	0803	0820		N21	E75	.981	8704	28.0	17	1B		C	0805	.72				OTD
MANI	22	0857	0911	0902	N24	E65	.943	8704	27.2	14	1F	2		0902	1.03	2.21			
ARCE	22	0858E	0902D		N22	E65	.939		27.2	4D	-N		P	0900	.57	1.20			
MONT	22	0858	0910	0901	N22	E65	.939	8704	27.2	12	1B		C	0901	.93				OTD
ARCE	22	0916	0922	0918	N24	E88	1.000		1.0	6	-N		C	0918	.19	.90			
MONT	22	0917	0955D	0955D	N20	E90	1.001	8704	1.1	38D	2B		C						OTH
ARCE	22	0926	0955	0928	N22	E86	1.000	8704	28.8	29	1N		C	0928	.69	2.90			
CAPS	22	1232	1250D		N25	E63	.934	8704	27.2	18D	1N	2		1238	1.80			173	E
CAPS	22	1325E	1339		N23	E58	.900	8704	26.9	14D	1B	3		1328	2.20				CV
CAPS	22													1335	4.00				W
MCMA	22	1400	1530	1425	N28	E64	.945	8704	27.4	90	2B		C						
MCMA	22			1455			.945							1455	2.58	6.00			E
CAPS	22	1403E	1533		N25	E60	.918	8704	27.1	90D	1B	3		1426	1.80			185	CEU
CAPS	22													1503				205	K
SACP	22	1403	1557	1456	N25	E60	.918	8704	27.1	114	1F		C		2.34	4.03			
CAPF	22	1500E	1545	1500	N25	E62	.929	8704	27.3	45D	2N		P	1505	4.70	10.00			
MCMA	22	1440	1604	1452	N24	W02	.517	8698	22.5	84	2B		C	1452	4.74	5.40			F
SACP	22	1440	1631	1502	N22	W01	.486	8698	22.5	111	2B		C		7.39	7.63			
CAPS	22	1445E	1522		N21	W04	.475	8698	22.3	37D	1N	3		1450	2.50	2.90		164	C
CAPS	22	1450	1522		N24	E03	.518	8698	22.8	32	1F	3		1456	3.50	4.00		155	
MCMA	22	1606	1655	1613	N26	E63	.936	8704	27.4	49	-N		C	1613	.52	1.50			E
LOCK	22	1610E	1622	1610E	N25	E61	.923		27.2	12D	-N		C	1610	.90	2.00		20	
SACP	22	1621	1657	1635	N24	E62	.927	8704	27.3	36	1N		C		1.35	2.39			
SACP	22	1623	1655	1631	N24	W13	.553	8698	21.7	32	2N		C		5.38	5.69			
MCMA	22	1624	1647	1630	N24	W10	.538	8698	21.9	23	-N		C	1630	1.03	1.20			EH
LOCK	22	1625	1650	1635	N31	W17	.661		21.4	25	-N		C	1635	1.20	1.60		20	
LOCK	22	1657	1715	1700	N25	E59	.912		27.1	18	-F		C	1700	.40	.80		10	
LOCK	22			1710										1710	.40	.80		10	
SACP	22	1704	2124	1854	N24	E60	.915	8704	27.2	260	2B		C		7.16	12.24			
SACP	22			1859															
SACP	22			1930															
LOCK	22	1733	1747	1739	N25	E56	.893		26.9	14	-F		C	1739	.50	1.10		10	
LOCK	22	1745	1920	1820	N22	E57	.890	8704	27.0	95	2B		C	1850	3.00	6.30		30	J
LOCK	22			1850						95									
MCMA	22	1819	1918D		N26	E63	.936	8704	27.5	59D	2B		C	1820	2.06				F
MCMA	22			1848										1848	3.61	8.00			
LOCK	22	1925	1954	1934	N25	E65	.945	8704	27.7	29	1B		C	1934	1.00	2.50		30	
LOCK	22	2005	2025	2014	N22	E60	.910	8704	27.3	20	1N		C	2014	1.00	2.10		20	
MCMA	22	2009	2022D	2015	N25	E63	.934	8704	27.6	13D	-N		C	2015	.41	1.10			E
SACP	22	2205	2252	2214	N24	E57	.896	8704	27.2	47	1F		C		1.99	3.20			
HUAN	22	2210	2242D	2215	N24	E57	.896		27.2	32D	-B	1	C	2215	.95	1.53			E
SACP	22	2307	2354D	2338	N25	E56	.893	8704	27.2	47D	2F		C		4.09	6.43			
SACP	22			2354															

SOLAR FLARES

PRELIMINARY

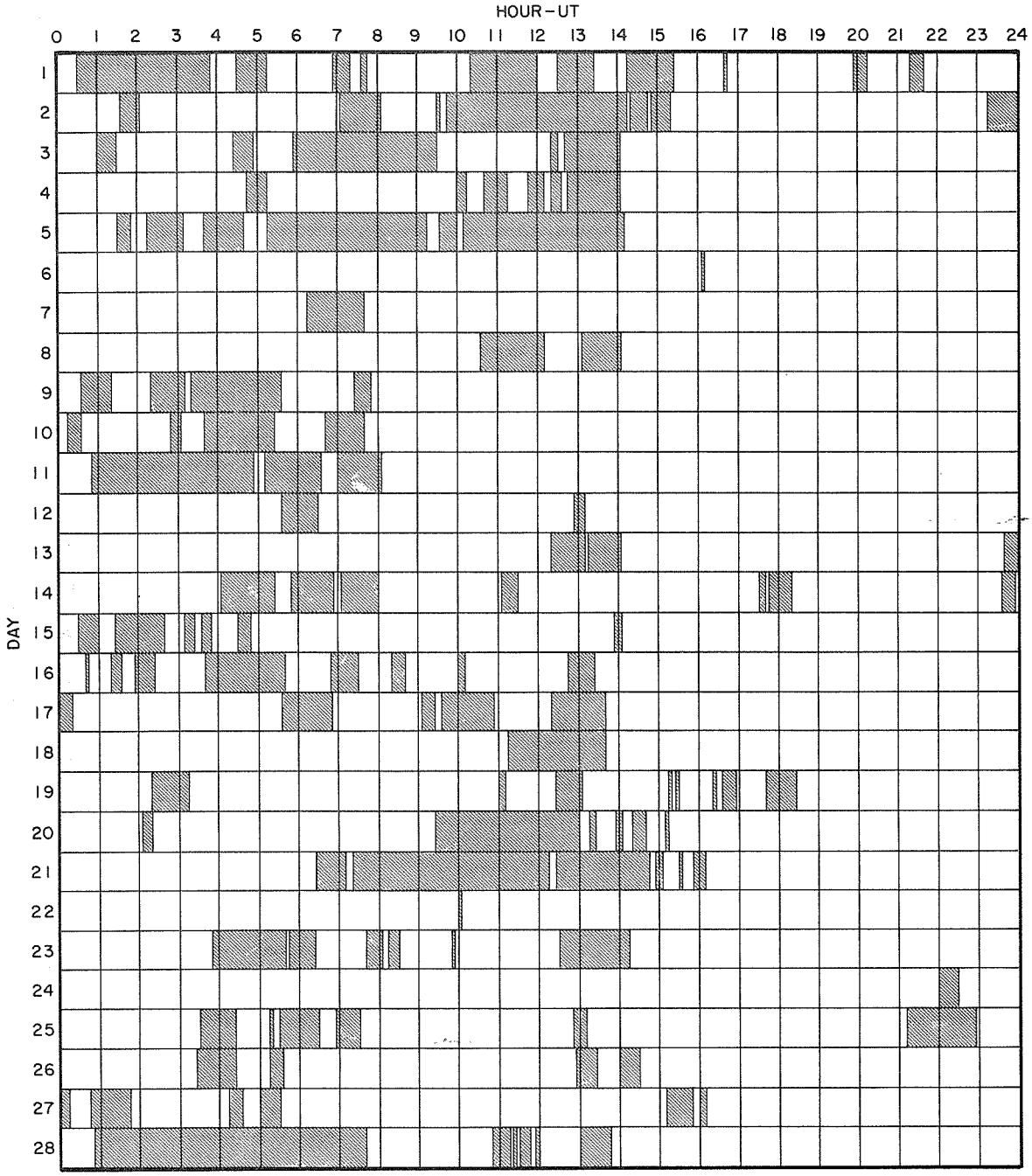
FEBRUARY 1967

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. %	
	1967 FEB																		
MANI	23	0625E	0633		N25	E47	.828	8704	26.8	8D	1N	1		0628	1.44	2.11			
MANI	23	0831E	0848	0833	N25	E45	.812	8704	26.7	17D	3B	2		0833	7.99	13.33			
WEND	23	0915E	0940		N12	W70	.952	8693	18.1	25D	1N		V		4.13				
WEND	23	1143E	1218		N24	E52	.861	8704	27.4	35D	2F		V		10.31				
MCMA	23	1417E	1428D		N24	E48	.831	8704	27.2	11D	1N		P	1419	1.24	2.00			E
MONT	23	1420E	1445D		N25	E50	.851	8704	27.3	25D	1N		C	1425	3.09				O
MCMA	23	1608	1624D	1615	N25	E38	.754	8704	26.5	16D	1B		C	1615	3.09	4.30			EH
SACP	23	1610	1628	1614	N23	E39	.750	8704	26.6	18	1N		C		1.89	2.33			
HUAN	23	1621E	1626		N24	E38	.748		26.5	5D	-B	1	P	1621	.46	.58			DH
MCMA	23	1624	1715D	1630	N25	E45	.812	8704	27.1	51D	1B		C	1630	2.27	3.50			EH
HUAN	23	1625	1650D		N23	E45	.802	8704	27.1	25D	1N	1	P	1630	1.75	2.30			EH
SACP	23	1626	1659	1631	N23	E45	.802		27.1	33	-N		C		1.44	1.90			
MCMA	23	1701	1714	1706	N22	E61	.917	8704	28.3	13	-B		C	1706	.62	1.50			E
SACP	23	1701	1722	1707	N22	E61	.917	8704	28.3	21	1N		C		1.54	2.62			
MANI	24	0607E	0739	0619	N23	E42	.776	8704	27.4	92D	1N	2		0619	1.34	2.13			F
WEND	24	0715E	0734D		N23	E39	.750	8704	27.2	19D	2N		V		6.19				
MONT	24	0739E	0830D		N25	E45	.812		27.7	51D	-N		C	0739	1.55				O
ARCE	24	1020E	1020D		N24	E35	.722	8704	27.1		1N		P	1020	1.72	2.40			
WEND	24	1028	1043		N24	E35	.722	8704	27.1	15	1N		V		3.09				
MONT	24	1211	1246D		N27	E30	.705		26.8	35D	-N		C	1215	.52				OH
HUAN	24	1212	1239	1218	N25	E26	.655		26.5	27	-N	2	C	1218	.45	.51			E
HUAN	24			1229															
WEND	24	1215	1234		N23	E27	.644	8704	26.5	19	1N		V		3.09				
SACP	24	1900	1943U	1907	N24	E29	.670	8704	27.0	43U	2B		C		6.32	7.24			
HUAN	24	1909E	1931D		N24	E30	.679	8704	27.0	22D	1B	1	P	1909	2.89	3.30			H
MCMA	24	1913E	1938D	1913	N22	E30	.661	8704	27.1	25D	1N		P	1913	2.06	2.70			E
HUAN	24	2110	2200D		N24	E29	.670	8704	27.1	50D	1F	1	P	2117	.37	.43			E
HUAN	24			2139										2139	1.51	1.72			
MANI	24	2355	0015	2359	N23	E31	.679	8704	27.3	20	1F	2		2359	1.65	2.29			F
IKOM	25	0005	0023		N22	E30	.661	8704	27.3	18	2B		P	0005	7.22	9.40			FO
MONT	25	0749E	0805D		N25	E26	.655	8704	27.3	16D	1N		C	0754	2.48				OH
ISTA	25	0810	0850	0834	N24	E30	.679	8704	27.6	40	1B								
ISTA	25	0859	0920		N23	E21	.595	8704	26.9	21	1N								
MONT	25	0930E	0938D		N25	E25	.647	8704	27.3	8D	1B		C	0932	3.09				O
MONT	25	1107E	1154D		N25	E25	.647	8704	27.3	47D	1N		C	1107	2.06				O
CAPS	25	1154	1208		N22	E24	.608		27.3	14	-N	3		1200	1.00	1.30		190	FJ
CAPS	25	1309E	1329D		N24	E28	.662	8704	27.6	20D	1N	3		1314	1.80	2.30		170	
MONT	25	1309E	1410		N26	E29	.688	8704	27.7	61D	1B		C	1309	3.09				OH
HUAN	25	1310E	1333D		N26	E26	.665	8704	27.5	23D	1F	1	P	1317	2.16	2.45			EI
MCMA	25	1321E	1400		N25	E24	.639	8704	27.4	39D	1N		C	1322	2.27	3.00			BE
MONT	25	1516E	1530		N27	E18	.620	8704	27.0	14D	1N		C	1516	2.06				OH
HUAN	25	1648E	1726D		N25	E22	.624	8704	27.3	38D	1N	1	P	1653	2.63	2.88			EI
MCMA	25	1807	1825	1810	N28	E12	.602	8704	26.7	18	1B		C	1810	1.70	2.10			EH
HUAN	25	1809E	1833D		N27	E13	.593	8704	26.7	24D	1N	1	P	1810	1.63	1.77			H
HUAN	25						.673		27.8					1821	2.00	2.29			
MCMA	25	1843	1948D	1910	N27	E26	.675	8704	27.7	65D	2B		C	1910	4.13	5.50			EFK
SACP	25	1910E	1917D	1911U	N26	E27	.673	8704	27.8	7D	1N		P		2.63	3.00			
MCMA	25	1948	2015	1955	N25	E20	.610	8704	27.3	27	2B		C						
CAPS	26	0855	0918D		N28	E19	.638	8704	27.8	23D	1B	2		0859	1.80	2.30		210	
ISTA	26	0855	0920		N24	E21	.606		27.9	25	-N								
WEND	26	0857	0925		N24	E22	.614	8704	28.0	28	1N		V		4.13				
MONT	26	0906E	0950D		N28	E18	.632		27.7	44D	-B		C	0906	1.03				O
CAPF	26	0912E	0931	0912	N24	E19	.592	8704	27.8	19D	1N		P	0917	1.76	2.20			
MONT	27	1107	1210		N24	E01	.518	8704	27.5	63	1N		C	1130	2.06				O
LOCK	27	1637	1830	1644	N27	E01	.562	8704	27.8	113	2B		C	1644	8.00	9.60		40	H
SACP	27	1657E	1812D	1714	N26	E03	.549	8704	27.9	75D	2N		C		5.86	6.17			
HUAN	27	1737E	1815D		N27	E03	.564	8704	28.0	38D	1N	1	P	1741	1.83	1.85			L
LOCK	27	2048	2113	2055	N23	W04	.507	8704	27.6	25	1N		C	2055	1.70	2.10		20	
SACP	27	2054	2311	2131	N24	W07	.529	8704	27.3	137	2N		C		5.59	5.83			
LOCK	27	2114	2240	2127	N22	W09	.507	8704	27.2	86	1B		C	2127	3.00	3.60		30	
LOCK	27	2335	0030	2345	N29	W03	.592		27.8	55	-B		C	2345	1.50	1.80		30	K
LOCK	27	2335	0030	0020	N29	W03	.592		27.8	55	-B		C	0020	1.50	1.80		30	K
SACP	27	2335	0055D	2343	N29	E01	.591	8704	28.1	80D	2N		C		5.05	5.45			
IKOM	27	2340	0004D	2350	N24	W05	.524	8704	27.6	24D	1B		V	2350	2.06	2.50		130	E
IKOM	28	0010E	0032D	0016	N24	W05	.524		27.6	22D	-N		V	0016	.83	1.00	1.58	120	D
MONT	28	1118E	1120D		N18	E19	.521		1.9	2D	-N			1118	.41				O
NERA	28	1123U	1130		N16	E15	.462	8707	1.6	7U	1N	3							
SACP	28	1555	1635	1614	N28	W08	.588	8704	28.1	40	1N		C		2.61	2.82			
MCMA	28	1600	1630	1608	N29	W10	.608	8704	27.9	30	-B		C	1608	1.03	1.30			EH
HUAN	28	1600	1631		N28	W09	.591	8704	28.0	31	1N	1	C	1607	2.12	2.33			
LOCK	28	1610E	1631	1610U	N29	W09	.605	8704	28.0	21D	1B		C	1610	1.60	2.10		30	
SACP	28	1657	1831	1740	N16	E14	.454	8707	1.8	94	1N		C		2.82	2.87			
SACP	28			1759															
LOCK	28	2020	2105	2030	N17	E13	.460		1.8	45	-N		C	2030	1.30	1.40		20	
SACP	28	2020	2138	2057	N16	E13	.447	8707	1.8	78	2N		C		6.74	6.87			
LOCK	28	2236	2257	2238	N18	E13	.474		1.9	21	-B		C	2238	.50	.60		30	
SACP	28	2252	2354	2332	N16	E11	.433	8707	1.8	62	1N		C		4.71	4.77			

14
Feb 67

INTERVALS OF NO FLARE PATROL OBSERVATIONS
PROVISIONAL

FEBRUARY 1967



Observatories included:

Arcetri	Herstmonceux	Ikomasan	Kandilli	Manila	Monte Mario	Wendelstein
Capri-F (German)	Huancayo	Istanboul	Lockheed	McMath-Hulbert	Sacramento Peak	

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1967

FEB. 1967	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
1	8800	SGMR	22	1215.2	1225	34.8	319.7	45.0		
	4995	SGMR	20	1214.8	1225.2	44.2	137.1	42.0		
	2695	SGMR	20	1217.4	1240.6	44.9	85.4	28.5		
	1415	SGMR	20	1215.5	1239.8	45.8	57.8	19.0		
	606	SGMR	20	1210.5	1227.9	30.7	69.7	30.0		
	606	SGMR	45	1811.8	1811.9	.4	42.2	9.0		
	1415	SGMR	41	1954.3	1955.3	2	120.9	5.0		
	606	SGMR	1	1954.2	1954.8	1.4	2.6	1.5		
	2700	PENT	4	2304	2321	34	157.0	72.0		
	486	WASH	45	2305	2307	12	125.0D			OFFSCALE
	2800	OTTA	29	2338		20 D	14.0			
2	4995	SGMR	20	1834.3	1842.2	18.6	11.9	3.0		
	2800	OTTA	4	1835	1842.7	25	29.0	10.0		
	2700	PENN	45	1837.8	1843.8	19.2	19.0D	9.0D		
	2695	SGMR	22	1837.8	1841.8	18	32.9	8.0		
	1415	SGMR	28	1834	1840.5	7.5	5.3	2.0		
	1415	SGMR	3	1841.5	1842.8	7.3	34.1	9.0		
	960	PENN	20	1842		12				
	606	SGMR	20	1836.4	1843	18.6	36.1	9.0		
3	606	SGMR	45	2047	2047.5	7	16.0	5.2		
4	2800	OTTA	21	1638	1710	190	22.0	11.0		
	10700	PENN	45	1644.6	1653.8	18	105.3	49.1		
	8800	SGMR	45	1644.8	1653.8	17.2	117.6	35.0		
	4995	SGMR	45	1643	1653.8	25	251.2	75.0		
	2800	OTTA	4	1644	1654	24	270.0	80.0		
	2700	PENN	45	1639.6	1653.7	32.4	248.9	67.1		
	2700	PENN	45	1646.8	1647	1	314.1	65.9		
	2695	SGMR	45	1643	1647	25	467.0	150.0		
	1415	SGMR	45	1643	1653.1	25	400.0	130.0		
	960	PENN	45	1642	1653	30	11.2	2.8		
	606	SGMR	45	1644	1653	21	73.7	25.0		
	10700	PENN	29	1702.6	1702.6	72.4	33.1	20.0		
	8800	SGMR	29	1702	1702	60	28.0	14.0		
	4995	SGMR	29	1708	1708	72	35.0	17.5		
	2700	PENN	29	1712	1712	80	14.0	6.7		
	2695	SGMR	29	1708	1708	68	8.1	4.0		
	1415	SGMR	29	1708	1708	59	8.4	4.2		
	606	SGMR	29	1705	1705	200	22.4	11.2		
5	1415	SGMR	40	1211	1234.8	31.2	46.0	10.0		
	606	SGMR	40	1210	1244.3	45.2	35.7	9.0		
	2700	PENN	45	1311 E						
	2695	SGMR	45	1306	1315.9	13	461.0	90.0		
	2695	SGMR	45	1334.9	1337.9	4.1	35.7	7.0		
	1415	SGMR	47	1253.7	1306.8	29.9	8600.0	2866.7		
	1415	SGMR	45	1335.6	1338	5.4	23.6	7.0		
	960	PENN	45	1311 E						
	606	SGMR	47	1255.2	1308.5	49.8	80000.0D	5440.0		SATURATED
	2800	OTTA	26	1420		180	12.0			
	4995	SGMR	1	1553	1553.5	2.7	3.7	1.0		
	2700	PENN	45	1552.4	1554	2.4	28.4	4.0		
	2695	SGMR	22	1552.2	1553.9	2.5	48.1	3.0		
	1415	SGMR	3	1552.4	1553.8	3.9	13.0	4.0		
	606	SGMR	20	1552.5	1558.7	7.5	3.4	1.0		
6	10700	PENN	20	1834	1859	58	16.6	9.8		
	8800	SGMR	24	1836.7	1900	58.3	11.9	4.0		
	4995	SGMR	24	1836.4	1856	58.6	18.5	6.0		
	2800	OTTA	21	1838		140	5.2	2.6		
	2800	OTTA	40	1851		2	20.0			
	2800	OTTA	1	1953	1954	4	4.2	2.1		
	2700	PENN	20	1835	1856	165	7.4	3.9		
	2700	PENN	45	1851.6	1852.6	2.6	18.9	4.8		
	2695	SGMR	24	1833	1852.3	57	7.8	1.5		
	1415	SGMR	20	1832.6	1852.4	23.4	11.2	4.0		
7	8800	SGMR	22	1157 U	1228	48 U	31.6U	8.0		
	4995	SGMR	22	1157 U	1228	48 U	20.4U	6.5		
	2695	SGMR	22	1157 U	1225.4	48 U	51.3U	16.5		
	1415	SGMR	45	1157	1228	48	94.9	33.0		
	606	SGMR	45	1156.7	1213.5	48.3	181.4	60.0		
	2700	PENN	3	1403.8	1403.9	.2	7.9	3.9		
	2800	OTTA	4	1502	1506	8	10.0	5.0		
	2700	PENN	45	1502.2	1505.8	11.2	9.8	4.0		
	2800	OTTA	29	1510		25	2.6	1.3		
	10700	PENN	3	1803.8	1804.6	1.2	46.8	12.9		
	10700	PENN	3	1805.1	1805.1	1.1	30.1	7.4		
	2800	OTTA	21	1804		180	5.0	2.5		
	2800	OTTA	1	1804	1804.5	2	5.0	2.5		
	2700	PENN	1	1804.2	1804.9	2.6	5.6	1.8		
	10700	PENN	20	1831	1843.4	20	7.3	3.6		
	2700	PENN	20	1831.3	1839.2	41.5	3.9	2.2		
	2800	OTTA	20	2054	2057	10	2.6	1.3		
8	2800	OTTA	21	1655		165	4.0	2.0		
	2800	OTTA	20	1813	1819	10	3.0	1.5		
	2700	PENN	20	1814	1816.6	61.6	2.9	2.1		
	2700	PENN	1	1818	1819.1	3.8	2.2	0.5		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES
FEBRUARY 1967

FEB. 1967	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} W_m^{-2} $(c/s)^{-1}$ PEAK	FLUX DENSITY MEAN	INT	REMARKS
	960	PENN	1	1819.7	1820	.5	1.2	0.6		
	2700	PENN	1	1919.2	1920.8	4.4	2.2	1.1		
9	1415	SGMR	1	1539	1543	9	2.1	.7		
	4995	SGMR	1	1550.9	1551.5	2.1	2.2	.7		
	2800	OTTA	1	1551	1551.5	3	4.0	2.0		
	2700	PENN	1	1551	1550.6	4	3.6	1.5		
	2695	SGMR	1	1550.5	1551.4	5.7	6.2	2.1		
10	486	WASH	3	2157		1	140.0D			OFFSCALE
12	10700	PENN	1	1952.6	1953	1.3	6.2	4.7		
	2700	PENN	1	1952.6	1952.9	1.3	2.2	1.9		
	606	SGMR	3	2002.1	2002.5	1.4	9.6	3.2		
13	10700	PENN	20	1748.8		134				
	8800	SGMR	20	1755.5	1807.5	141.5	51.8	16.0		
	4995	SGMR	3	1754.4	1804.9	12.6	46.3	15.0		
	2800	OTTA	21	1753		127	33.0	16.0		
	2800	OTTA	3	1758.5	1803.5	16	50.0	25.0		
	2700	PENN	3	1754.8	1803.9	19.2	64.7	31.9		
	2695	SGMR	3	1753.2	1803.5	18.8	67.0	22.0		
	1415	SGMR	45	1743	1809.2	35	140.5	21.0		
	960	PENN	20	1755.2	1806.3	25.8	3.7	1.3		
	606	SGMR	45	1754.4	1810	34.6	41.7	11.0		
	4995	SGMR	29	1807	1822.5	130	46.2	22.0		
	2800	OTTA	29	2000		150	7.5			
	2700	PENN	29	1814	1814	199	30.8	15.8		
	2700	PENN	1	1830.4	1830.8	3.4	2.2	1.6		
	2695	SGMR	29	1812	1831	125	38.5	19.0		
	1415	SGMR	3	1809	1809.2	.5	140.5			
	1415	SGMR	29	1818	1825.9	119	21.0	10.0		
	606	SGMR	29	1829	1829	30	9.4	5.0		
	2700	PENT	1	2307	2308	2	2.6	1.3		
15	2700	PENN	1	1316.2	1316.3	.2	1.9	0.9		
	2700	PENN	1	1327.1	1327.2	1.1	4.0	1.7		
	2700	PENN	1	1328.3	1328.6	1.6	4.7	2.1		
	2700	PENN	1	1337.2	1337.3	4	5.4	0.4		
	960	PENN	1	1555.9	1556.3	1.1	2.5	0.9		
	2700	PENT	1	2305	2309.5	6	5.2	2.6		
	2800	OTTA	29	2311		30 D	2.2	1.1		
16	2800	OTTA	2	1955	1957.5	5	3.8	2.0		
17	2800	OTTA	20	1540	1710	160	5.0	2.5		
	4995	SGMR	20	1934.5	1940.2	22.5	16.1	5.0		
	2800	OTTA	4	1935	1940.5	7	8.8	4.4		
	2700	PENN	45	1935.2	1940.2	18.8	9.1	1.7		
	2695	SGMR	20	1935	1940.2	21.5	10.8	3.0		
	1415	SGMR	20	1938.9	1940.3	7.9	10.7	3.0		
	606	SGMR	41	1935.8	1939.8	12.9	93.6	9.0		
	2800	OTTA	29	1942		80	3.0	1.5		
	2700	PENT	1	2213	2213.2	1.5	2.6	1.3		
18	2700	PENT	22	2105	2203	90	7.8	3.9		
20	8800	SGMR	1	1350.6	1350.9	.9	2.8	.9		
	4995	SGMR	1	1350.5	1350.9	1.1	4.6	1.4		
	2695	SGMR	1	1350	1350.8	1.5	3.7	1.2		
	1415	SGMR	1	1350.5	1350.7	.6	2.3	.8		
21	1415	SGMR	45	1604.7	1609.8	5.3	27.1	7.0		
	606	SGMR	45	1604.1	1609.4	8.9	581.6	160.0		
	2800	OTTA	26	1612	1640	68	6.2	3.1		
	606	SGMR	45	1634.6	1634.8	1.2	681.6	150.0		
	2800	OTTA	1	1740	1742	4	2.2	1.1		
	2695	SGMR	20	1727.3	1741.8	15.7	1.5	.5		
	1415	SGMR	20	1727	1741.6	16	8.5	3.0		
	606	SGMR	3	1732.7	1741.1	10.3	22.1	7.0		
	2800	OTTA	1	1830	1830.7	1	2.2	1.1		
	2800	OTTA	1	1845	1845.2	3	2.2	1.1		
	2800	OTTA	1	1913.5	1914	1.5	.8	0.4		
	10700	PENN		2002 E						
	2700	PENN		2002 E						
	10700	PENN	45	2043.4	2044.3	1.3	45.7	13.0		
	8800	SGMR	45	2043.8	2044.7	2.2	41.1	12.0		
	4995	SGMR	45	2043.5	2044.5	2.7	72.0	20.0		
	2800	OTTA	28	2043.5		.7	2.4	1.2		
	2800	OTTA	3	2044.2	2044.5	2	16.0	8.0		
	2700	PENN	45	2043.4	2044.4	2.6	25.1	5.0		
	2695	SGMR	3	2043.5	2044.4	3.5	33.6	10.0		
	1415	SGMR	1	2044.5	2044.6	2.5	4.3	.5		
	606	SGMR	3	2044.5	2044.6	1.5	49.6	10.0		
22	10700	PENN	3	1327.3	1327.9	1.9	29.1	8.3		
	8800	SGMR	20	1323.5	1327	20.5	35.0	10.0		
	4995	SGMR	20	1323.1	1327	13.9	20.9	6.0		
	2800	OTTA	1	1327	1327.2	1	6.6	3.3		
	2700	PENN	1	1327.2	1327.9	1.1	5.5	1.7		
	2695	SGMR	20	1325	1327	12	6.6	2.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES
FEBRUARY 1967

FEB. 1967	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} W_m^{-2} $(c/s)^{-1}$ PEAK	FLUX DENSITY MEAN	INT	REMARKS
22	1415	SGMR	20	1320.8	1342.4	40.2	4.5	1.0		
	10700	PENN	3	1503	1503.4	1	14.1	8.9		
	8800	SGMR	22	1418.5	1503.5	95.7	34.5	10.0		
	4995	SGMR	22	1418.5	1503.6	102.9	36.1	9.0		
	2800	OTTA	21	1425	1500	120	15.0	7.5		
	2800	OTTA	2	1429	1431.5	3	4.2	2.1		
	2800	OTTA	40	1450	1500	22	17.0			
	2700	PENN	1	1502.2	1503.5	3	6.6	3.0		
	2700	PENN	1	1509.6	1509.9	1.4	5.5	2.7		
	2695	SGMR	22	1418	1501	98	16.8	5.0		
	1415	SGMR	20	1418	1447	72	9.0	2.0		
	10700	PENN	20	1736.4	1819	165.6	50.6	29.5		
	8800	SGMR	23	1755	1821.5	140	50.3	12.0		
	4995	SGMR	23	1755	1821.6	128	42.0	9.0		
	2800	OTTA	21	1725		240	13.0	6.5		
	2800	OTTA	22	1737	1742.5	10	2.8	1.4		
	2800	OTTA	45	1803	1808.2	7	7.0	3.5		
	2800	OTTA	2	1817	1821.7	7	18.0	7.0		
	2700	PENN	20	1727	1816.6	245	11.8	5.0		
	2700	PENN	1	1806.4	1808	3	6.2	3.6		
	2700	PENN	1	1816.8	1817.1	.6	2.5	1.6		
	2700	PENN	45	1818.2	1821.9	5.4	19.3	6.2		
	2695	SGMR	23	1756.8	1821.6	125.2	27.5	5.0		
	1415	SGMR	23	1756	1821.7	124	33.4	6.0		
	960	PENN	1	1803	1803.5	1.5	1.0	0.6		
	960	PENN	1	1817	1817.1	.4	.7	0.5		
	960	PENN	45	1818.4	1820.4	5.4	2.3	0.9		
	606	SGMR	45	1803.2	1818.7	19.8	38.5	10.0		
	2700	PENN	20	1832.6	1903.4	40.8	5.0	2.6		
	2800	OTTA		1833.9	1833.9		3.0U			SPIKE
	10700	PENN	45	1842.6	1844.3	3.4	41.5	15.2		
	10700	PENN	3	1847	1848.7	2.7	48.1	17.8		
	8800	SGMR	45	1842.5	1844.4	24.5	74.2	26.5		
	4995	SGMR	45	1842.5	1843.5	29.5	50.4	15.0		
	2800	OTTA	1	1843	1843.7	7	18.0	9.0		
	2800	OTTA	1	1858	1859.2	3	20.0	5.5		
	2700	PENN	3	1842.6	1843.6	3.4	15.6	7.5		
	2700	PENN	3	1858	1859	2 D	20.0	6.0E		
	2695	SGMR	3	1843.1	1843.7	5.9	22.7	6.0		
	2695	SGMR	3	1857.7	1859.1	5.3	30.2	7.0		
	1415	SGMR	1	1858.2	1859.1	1.8	6.7	3.0		
	960	PENN	45	1842.6	1843.1	1.1	2.6	1.2		
	10700	PENN	45	1926.5	1930.9	18.1	270.6	82.4		
	8800	SGMR	45	1926	1931	23	239.0	66.0		
	4995	SGMR	45	1926	1931.1	23	224.0	60.0		
	2800	OTTA	4	1925	1931	20	110.0	38.0		
	2700	PENN	3	1924.7	1930.7	21.3	76.4	26.3		
	2695	SGMR	45	1925.2	1930.9	23.8	119.0	41.0		
	1415	SGMR	45	1924.3	1928.2	24.7	56.8	15.0		
	960	PENN	20	1925.4	1928	10.6	3.4	1.2		
	606	SGMR	45	1925	1928.1	32	26.6	7.0		
	8800	SGMR	45	2048.5	2052.3	6.5	19.9	6.6		
	4995	SGMR	45	2048	2052.3	2.4	42.0	9.6		
	2800	OTTA	45	2048.5	2052.5	7	19.0	5.0		
	2700	PENN	1	2048.2	2050.3	6.4	5.6	2.0		
	2700	PENN	3	2051.2	2052.2	2.2	14.3	4.1		
	2695	SGMR	3	2047.6	2052.4	4.8	19.2	4.0		
23	1415	SGMR	20	1212	1215.6	8	6.6	3.3		
	606	SGMR	20	1208	1217	16	3.2	1.6		
	606	SGMR	3	1216.8	1217	.4	86.2	8.5		
	8800	SGMR	3	1234.7	1235.6	2.8	15.6	5.2		
	4995	SGMR	3	1234.5	1235.5	2.5	11.4	3.8		
	8800	SGMR	3	1340	1342.4	4.5	20.8	7.0		
	4995	SGMR	3	1339.8	1342	5.2	22.8	7.5		
	8800	SGMR	29	1344.5	1344.5	27.5	5.2	2.6		
	4995	SGMR	29	1345	1345	27	7.6	3.8		
	8800	SGMR	3	1415.2	1415.7	4.8	15.6	5.2		
	2800	OTTA	21	1608	1625	145	9.0	4.5		
	10700	PENN	3	1613.5	1614	1.4	23.8	13.6		
	8800	SGMR	45	1612.3	1614	7.7	39.0	12.0		
	4995	SGMR	45	1612.3	1614.3	7.2	64.6	22.0		
	2800	OTTA	4	1612	1614	8	46.0	6.0		
	2700	PENN	45	1612.3	1613.7	3.7	88.6	15.6		
	2695	SGMR	45	1612.4	1613.5	5.6	116.0	30.0		
	1415	SGMR	45	1612.4	1613.6	7.6	150.0	40.0		
	960	PENN	45	1612.8	1613.8	1.7	44.0D	14.0D		
	606	SGMR	45	1611.6	1613.8	8.4	360.0	80.0		
	10700	PENN	29	1614.9	1635	97.1	11.9	6.3		
	4995	SGMR	29	1619.5	1625.5	35.5	19.0	9.5		
	2700	PENN	29	1616	1628.4	57	7.8	4.5		
	2695	SGMR	29	1618	1625.5	37	5.0	2.5		
	1415	SGMR	29	1620	1620	29	2.2	1.1		
	606	SGMR	29	1620	1620	27	3.2	1.6		
	10700	PENN	3	1728.6	1729.7	6	12.3	6.1		
	4995	SGMR	45	1701.6	1704.6	4.4	6.1	2.0		
	2800	OTTA	4	1700	1703	6	22.0	8.0		
	2700	PENN	3		1702.6	4 D	10.0			DUR. CAL.
	2700	PENN	20	1715	1717.6	11	2.0	1.0		
	2695	SGMR	45	1700.7	1702.5	5.8	20.2	6.7		
	1415	SGMR	45	1701.3	1712.1	U	8.4	2.8		HEAVY SNOW

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1967

FEB. 1967	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
	2700	PENN	26	1806		12	5.2			
	2700	PENN	1	1910.4	1913.1	6.6	1.8	0.9		
	10700	PENN	3	1939.2	1939.8	1	22.0	11.9		
	10700	PENN	29	1940.2	1940.2	23	13.2	5.6		
	2800	OTTA	20	1945		165	5.2	3.0		
	2700	PENN	20	1940	2007	134	2.7	1.8		
	2700	PENT	3	2244.5	2245.5	3.5	70.0	25.0		
	2800	OTTA	29	2248		60 D	6.2			
24	8800	SGMR	20	1419	1427	26	5.2	2.6		
	4995	SGMR	20	1418	1427.5	34	9.5	4.7		
	2800	OTTA	28	1420		9.4	2.6	2.0		
	2695	SGMR	20	1418	1426	34	5.0	2.5		
	1415	SGMR	20	1418	1426.5	22	7.0	3.5		
	960	PENN	1	1425.5	1425.8	.7	1.4	0.7		
	10700	PENN	45	1429.8	1431.3	6.4	228.7	59.4		
	8800	SGMR	3	1429.4	1430.8	9.6	274.0	91.0		
	4995	SGMR	3	1429.3	1430.9	9	318.0	106.0		
	2800	OTTA	4	1429.4		6	230.0	60.0		
	2700	PENN	3	1431 E	1431.7	5 D	154.1	35.0E		
	2695	SGMR	3	1429.4	1431.3	15.1	193.3	65.0		
	1415	SGMR	4	1429.9	1431.1	10.1	110.0	27.0		
	960	PENN	1	1430	1431.7	3	6.7	2.0		
	606	SGMR	4	1430	1430.7	12	111.0	27.5		
	2800	OTTA	29	1435.4		15	5.2	2.6		
	10700	PENN	3	1554.4	1554.8	3.4	17.6	6.4		
	10700	PENN	3	1714.2	1718.1	16	18.2	9.1		
	8800	SGMR	20	1703	1718.4	21	26.1	13.0		
	4995	SGMR	20	1705	1718	18	12.2	6.1		
	960	PENN	1	1806	1806.3	.9	2.2	1.2		
	10700	PENN	3	1820	1821.6	2.5	40.6	18.2		
	8800	SGMR	3	1818.2	1821.4	6.8	58.0	19.5		
	4995	SGMR	3	1818.4	1821.3	6.6	39.9	13.3		
	2800	OTTA	3	1820.2	1821.2	4	14.0	7.0		
	2700	PENN	3	1818.7	1821.7	3.4	12.9	4.8		
	2695	SGMR	3	1819.5	1821.5	5.5	16.0	5.3		
	1415	SGMR	3	1818.3	1821.7	8.7	9.8	3.3		
	960	PENN	1	1820.5	1821.5	2	1.3	0.6		
	606	SGMR	3	1820.6	1821.4	6.8	29.1	9.5		
	8800	SGMR	29	1825	1832.5	128	14.5	7.2		
	4995	SGMR	29	1825	1832.5	127	7.6	3.8		
	2695	SGMR	29	1825	1832.5	129	3.7	1.8		
	960	PENN	1	1832.3	1832.5	.8	1.2	0.7		
	10700	PENN	3	1902.2	1904.6	22	32.0	11.1		
	8800	SGMR	45	1901.8	1904.8	13.2	37.1	12.4		
	4995	SGMR	45	1901.5	1904.7	8.5	28.9	9.6		
	2800	OTTA	22	1925	2005	70	8.0	4.0		
	2700	PENN	1	1902.2	1904.8	6.8	3.0	1.4		
	2700	PENN	20	1928	1959	62	4.0	2.0		
	2695	SGMR	22	1901.6	1937	92.4	7.4	1.2		
	1415	SGMR	40	1901	1902.3	11	7.0	2.3		
	606	SGMR	1	1902.4	1902.5	.2	3.2	1.1		
	2700	PENN	20	2052.3	2058.5	48	1.8	1.5		
	2700	PENT	1	2332.5	2333	1.2	2.2	1.1		
25	8800	SGMR	3	1157.9	1158.3	6	86.0	43.0		
	4995	SGMR	3	1158	1158.2	2	49.0	24.0		
	2695	SGMR	3	1158.1	1158.4	1.9	20.0	10.0		
	8800	SGMR	22	1308.6	1313.4	50.8	34.2	10.0		
	4995	SGMR	22	1305	1319.8	54.1	34.0	11.0		
	2695	SGMR	22	1301.5	1320	60.9	22.0	7.0		
	1415	SGMR	22	1301.6	1309.6	25.1	9.0	2.0		
	606	SGMR	40	1308.7	1315.3	11.6	6.7	1.5		
	10700	PENN	3	1451.1	1451.5	2.1	16.8	5.8		
	8800	SGMR	3	1450.7	1451	4.3	8.6	2.6		
	10700	PENN	3	1559	1559.6	1	28.7	14.3		
	8800	SGMR	20	1621	1624	11.4	17.7	5.9		
	4995	SGMR	20	1620.6	1624	11.8	17.1	5.7		
	2800	OTTA	20	1620		60	4.0	2.0		
	2695	SGMR	20	1624	1628.8	8.4	11.5	3.5		
	10700	PENN	3	1734.6	1735.3	4.2	40.3	14.7		
	8800	SGMR	3	1734	1735	5	29.5	14.7		
	2800	OTTA	21	1806	1820	40 D	4.0			
	10700	PENN	45	1809.6	1810.3	4.1	178.2	18.2		
	8800	SGMR	3	1808.7	1809.7	5.3	245.0	122.5		
	4995	SGMR	3	1808	1809.6	5.4	252.0	126.0		
	2800	OTTA	3	1808	1809.6	3	100.0	25.0		
	2700	PENN	45	1806	1810.1	6	86.2	8.8		
	2695	SGMR	3	1808.2	1809.8	6	114.7	57.3		
	1415	SGMR	3	1809.1	1809.8	5.6	26.0	12.0		
	960	PENN	1	1810.1	1810.3	.9	.9	0.5		
	606	SGMR	45	1808	1809.7	8	52.2	17.4		
	2700	PENN	29	1812	1824	20	2.8	2.2		
	2700	PENN	20	1843	1940	117	3.8	1.9		
	10700	PENN	45	1845	1845.4	6	178.2	30.3		
	8800	SGMR	3	1843.2	1844.9	4.4	235.0	117.5		
	4995	SGMR	3	1844.4	1844.9	3.1	137.0	68.5		
	2800	OTTA	21	1844.5		70 D	13.0			
	2800	OTTA	3	1844.5	1845	4	36.0	18.0		
	2700	PENN	3	1845.1	1845.3	2.9	29.2	15.2		
	2695	SGMR	3	1844.6	1845.6	3.9	46.7	23.3		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES
FEBRUARY 1967

FEB. 1967	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
25	1415	SGMR	3	1844.6	1845.2	4	27.0	13.5		
	606	SGMR	3	1844.6	1845.1	3.7	15.0	7.5		
	8800	SGMR	29	1847.6	1847.6	7.7	14.1	4.7		
	4995	SGMR	29	1847.5	1852	8.3	17.1	4.4		
	2695	SGMR	29	1848.5	1848.5	7	5.0	2.0		
	1415	SGMR	29	1848.6	1848.6	7.2	1.4	.5		
	606	SGMR	29	1848.3	1848.3	7.5	1.0	.3		
	10700	PENN	45	1855.8	1858.1	3.8	419.2	95.9		
	8800	SGMR	45	1855.3	1857.8	6	595.0	198.0		
	4995	SGMR	3	1855.8	1857.6	4.7	214.0	71.0		
	2800	OTTA	4	1856	1857.8	7	78.0	20.0		
	2700	PENN	45	1854.5	1858.2	5 D	72.8	17.0E		
	2695	SGMR	3	1855.5	1857.9	5.5	113.7	38.0		
	1415	SGMR	3	1855.8	1857.9	6.9	15.1	5.0		
	960	PENN	1	1857.4	1858.4	2 D	2.3	2.0E		
	606	SGMR	3	1855.8	1858.1	7.2	24.3	8.1		
	10700	PENN	29	1859.6	1859.6	19.6	34.6	11.4		
	10700	PENN	3	1907.8		7				HIGH WINDS
	8800	SGMR	29	1901.3	1909.4	17.7	46.0	16.0		
	4995	SGMR	29	1900.5	1909.3	27.5	62.0	21.0		
	2800	OTTA	4	1907	1909	5	20.0	10.0		
	2700	PENN	3	1905.6		8.4				HIGH WINDS
	2695	SGMR	29	1901	1909.4	22	35.0	12.0		
	1415	SGMR	29	1902.7	1906	17.3	6.4	2.1		
	960	PENN	1	1909	1910.4	2.7	.9	0.4		
	606	SGMR	40	1903	1909.2	10.3	35.0	12.0		
	10700	PENN	3	1952.6		14	65.0D	30.0D		DUR. CAL.
	8800	SGMR	28	1951.8	1957.8	6	23.6	8.2		
	8800	SGMR	45	1957.8	2001.2	7.4	114.0	30.0		
	4995	SGMR	28	1944	1957.6	13.6	17.5	6.0		
	4995	SGMR	45	1957.6	2001	7.6	137.0	34.0		
	2800	OTTA	21	1953.5		120	15.0	7.5		
	2800	OTTA	3	1957.7	2001	11	36.0	18.0		
	2700	PENN	3	1954		10.6	32.0D	18.0D		DUR. CAL.
	2695	SGMR	28	1953.1	1957.7	4.4	16.8	5.6		
	2695	SGMR	45	1957.7	2001.3	10.3	55.0	13.9		
	1415	SGMR	20	1953.8	2001.4	46.2	7.0	2.3		
	10700	PENN	29	2006.6	2006.6	34.4	20.4	7.2		
	8800	SGMR	29	2005.2	2005.2	41.3	26.6	8.9		
	4995	SGMR	29	2005.2	2005.2	44.8	28.5	9.5		
	2700	PENN	29	2004.6	2004.6	20.8	16.7	6.1		
	2695	SGMR	29	2008	2008	32.5	10.8	3.6		
	8800	SGMR	3	2118.3	2118.7	1.7	17.7	8.8		
	4995	SGMR	3	2118.3	2118.7	1.3	7.6	3.8		
	606	SGMR	40	2010.6	2017.6	59.4	29.0	10.0		
	2700	PENT	26	2208	2225	50	4.4	2.2		
26	2700	PENN	20	1403.7	1406.7	7.8	3.2	1.6		
	606	SGMR	20	1418.2	1428	57.8	11.9	3.0		
	2800	OTTA	21	1455		215	7.8	3.9		
	2800	OTTA	1	1525	1525.5	1	1.0	0.5		
	2700	PENN	20	1525	1531.2	19.5	1.8	0.9		
	2700	PENN	1	1525.1	1525.3	.5	2.7	1.3		
	1415	SGMR	45	1525	1525.3	.6	20.7	6.0		
	960	PENN	1	1524.9	1525.1	.5	1.1	0.6		
	606	SGMR	40	1524	1525.3	9	9.9	2.5		
	960	PENN	1	1530.6	1530.8	.4	1.0	0.5		
	2700	PENN	1	1542.9	1543.2	.4	2.5	1.2		
	2700	PENN	1	1628.6	1629.7	3.4	3.6	1.8		
	960	PENN	1	1630.6	1630.8	.4	.6	0.3		
	2800	OTTA	20	1840		235	6.4	3.2		
27	8800	SGMR	3	1259.7	1300.9	9.7	49.3	16.0		
	4995	SGMR	3	1300	1300.8	13	15.8	5.2		
	2695	SGMR	3	1254.5	1302	19	2.6	1.3		
	8800	SGMR	3	1433	1433.4	2.4	8.7	2.9		
	4995	SGMR	3	1433	1433.3	1.5	7.6	2.5		
	2800	OTTA	1	1433	1433.5	1	5.5	2.8		
	2700	PENN	1	1433.1	1433.6	2.2	5.2	1.0		
	2695	SGMR	1	1433	1433.3	1.5	5.2	1.8		
	1415	SGMR	1	1431	1433.3	6	3.0	1.0		
	606	SGMR	1	1433	1433.3	.6	6.8	2.0		
	10700	PENN	3	1443.8	1446.3	4.9	17.3	4.7		
	8800	SGMR	3	1445.6	1446.1	3.2	23.2	7.5		
	4995	SGMR	3	1445.7	1446.1	.9	15.2	5.0		
	2800	OTTA	1	1445.5	1446	1	5.6	2.8		
	2700	PENN	1	1445.9	1446.3	4.4	4.8	0.9		
	2695	SGMR	1	1445.6	1446	1	5.2	1.4		
	10700	PENN	3	1453.6	1454.7	3	13.4	3.3		
	8800	SGMR	45	1452.2	1454.4	4.8	17.4	5.5		
	8800	SGMR	45	1452.2	1455.8	4.8	17.4	5.5		
	4995	SGMR	45	1452	1455.9	9	15.2	4.0		
	2800	OTTA	46	1454.4	1456	2.5	14.0	7.0		
	2800	OTTA	46	1454.4	1454.6	1	4.0			
	2800	OTTA	46	1455.5	1456	1.5	14.0			
	2700	PENN	20	1451	1452.7	97	.9	0.7		
	2700	PENN	45	1454.3	1456.1	3.7	12.6	2.9		
	2695	SGMR	45	1452	1455.9	9	15.6	3.5		
	1415	SGMR	22	1445.5	1455.6	33.5	8.0	2.5		
	606	SGMR	4	1455.3	1455.4	2.7	69.6	3.5		
	2800	OTTA	29	1456.5		3	2.8	1.4		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1967

FEB. 1967	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
27	2700	PENN	20	1457.2	1534.5	88	11.4	6.9		
	10700	PENN	3	1503.5	1504.8	4.3	17.7	9.1		
	8800	SGMR	3	1501.5	1504.2	10.5	24.9	8.5		
	4995	SGMR	3	1502	1504.2	17.5	55.1	18.0		
	2800	OTTA	3	1503	1504.4	5	27.0	13.0		
	2800	OTTA	29	1508		25 D	4.2	2.1		
	2700	PENN	3	1503.3	1504.5	2.8	21.5	11.9		
	2700	PENN	29	1506.1	1506.1	58	8.8	2.5		
	2695	SGMR	3	1502	1504.2	21.5	22.1	7.0		
	960	PENN	1	1518.3	1518.7	.7	3.0	1.3		
	10700	PENN	47	1635.2	1649.4	18.9	3965.0	1233.0		
	8800	SGMR	47	1638	1649.2	78	6200.0	974.3		
	4995	SGMR	47	1637	1649.2	85.6	2300.0	450.0		
	2800	OTTA	3	1637	1650	23	560.0	210.0		
	2700	PENN	47	1636.2	1649.4	18.7	536.0	240.0		
	2695	SGMR	47	1637	1649.2	64	990.0	200.0		
	1415	SGMR	45	1637	1647.3	53	595.0	100.0		
	960	PENN	47	1640	1645.1	20.9	20.5	10.2		
	606	SGMR	45	1637	1645.5	53	750.0	125.0		
	10700	PENN	29	1654.1	1654.1	105	195.1	42.5		
	2800	OTTA	29	1700		60	44.0	22.0		
	2700	PENN	29	1654.9	1654.9	70	76.7	11.7		
	2700	PENN	20	1819.7	1827.1	15	3.6	1.7		
	2700	PENN	1	1844.5	1844.8	2	.6	0.3		
	2700	PENN	20	1850.7	1854.7	9.3	1.2	0.6		
	960	PENN	1	1853.4	1854.1	.8	3.0	0.9		
	2700	PENN	1	1908.9	1909.6	3.1	1.4	0.7		
	960	PENN	1	1910.4	1911	1	2.7	1.3		
	960	PENN	1	1926.1	1926.2	.2	4.8	2.4		
	960	PENN	1	1938.5	1938.8	.7	2.1	1.1		
	2700	PENN	20	1942.1	1945	23	2.0	1.0		
	2800	OTTA	20	2014	2015	14	3.6	1.8		
	2700	PENN	20	2014.7	2016	15	2.0	1.0		
	2800	OTTA	21	2040		100	5.6	2.8		
	2800	OTTA	1	2041	2042	2	1.5	0.7		
	2800	OTTA	22	2047	2055	25	10.0	5.0		
	2700	PENN	1	2040.6	2041.9	2.9	2.9	1.4		
	2700	PENN	20	2048.3	2054.7	23.5	9.2	4.6		
	10700	PENN	3	2115	2116.7	2.4	23.5	7.6		
	10700	PENN	3	2118.7	2120.8	3.9	52.1	19.4		
	8800	SGMR	45	2116	2120.9	19	56.8	14.5		
	4995	SGMR	45	2116	2120.6	19	42.6	12.0		
	2800	OTTA	1	2116	2017	1.5	3.0	1.5		
	2800	OTTA	4	2119	2119.5	5	20.0	10.0		
	2700	PENN	1	2116.4	2117.3	1.6	2.7	1.3		
	2700	PENN	45	2118.2	2119.5	5.7	17.8	10.0		
	2695	SGMR	3	2118.8	2119.4	16.2	14.6	5.0		
	1415	SGMR	3	2118.2	2119.7	16.8	10.3	3.6		
	10700	PENN	20	2124.2	2125.3	26	20.8	10.4		
	2800	OTTA	21	2119	2125	40	12.0	6.0		
	2700	PENN	29	2123.9	2125.8	45	11.7	7.0E		
	960	PENN	1	2122	2122.4	1	1.5	0.7		
	960	PENN	1	2133.6	2133.9	1.7	2.0	1.0		
	2700	PENT	4	2331	2336.5	12	220.0	60.0		
	2800	OTTA	30	2343		50	20.0	10.0		
	2800	OTTA	4	2359.5	2400	2	10.0	5.0		
28	2800	OTTA	3	0009	0010	3	12.0	6.0		
	8800	SGMR	1	1315.6	1316	1.1	2.6	.9		
	4995	SGMR	3	1315.6	1316.2	1.2	7.6	2.5		
	2800	OTTA	1	1315.7	1316	1.5	12.0	6.0		
	2700	PENN	3	1315.6	1316.1	1	12.5	6.3		
	2695	SGMR	3	1315.7	1316.2	1.3	15.3	5.1		
	1415	SGMR	1	1316	1316.3	1	.7	.2		
	8800	SGMR	45	1559	1604	15	91.8	25.0		
	4995	SGMR	45	1558	1604	16	129.2	25.0		
	2800	OTTA	21	1558		30	10.0	5.0		
	2800	OTTA	4	1558	1559	2	10.0	5.0		
	2800	OTTA	45	1602	1603.5	7	50.0	20.0		
				1602	1603.5	4	50.0			
				1607	1607.5	3	15.0			
	2700	PENN	45	1556.6		4 D				DUR. CAL.
	2695	SGMR	45	1558	1603.8	33.5	49.4	20.8		
	1415	SGMR	3	1558.1	1604.9	21.9	23.0	8.0		
	606	SGMR	1	1558.2	1604	10.4	3.2	1.1		
	4995	SGMR	20	1647.4	1650	10.6	1.9	.7		
	2695	SGMR	20	1641.2	1650	14.8	2.9	.9		
	1415	SGMR	20	1642.5	1650.9	15.5	1.1	.4		
	8800	SGMR	4	1715	1716.8	2.3	16.8	5.6		
	4995	SGMR	4	1710	1716.8	8	19.0	6.3		
	2800	OTTA	3	1714	1717	4	14.0	7.0		
	2700	PENN	3	1714	1716.9	3.6	13.2	6.2		
	2695	SGMR	4	1714.8	1716.9	3.2	18.2	6.1		
	1415	SGMR	22	1715.2	1716.9	25.8	8.4	2.8		
	606	SGMR	40	1713	1715.2	32	27.9	9.3		
	8800	SGMR	29	1717.3	1717.3	13.7	5.6	1.9		
	4995	SGMR	29	1718	1718	31.5	11.4	3.8		
	2800	OTTA	29	1718		30	6.0	4.0		
	2700	PENN	29	1717.6	1717.6	30	6.1	3.0		
	2695	SGMR	29	1718	1718	32	3.9	1.3		
	8800	SGMR	21	1818	1851	96	14.0	7.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

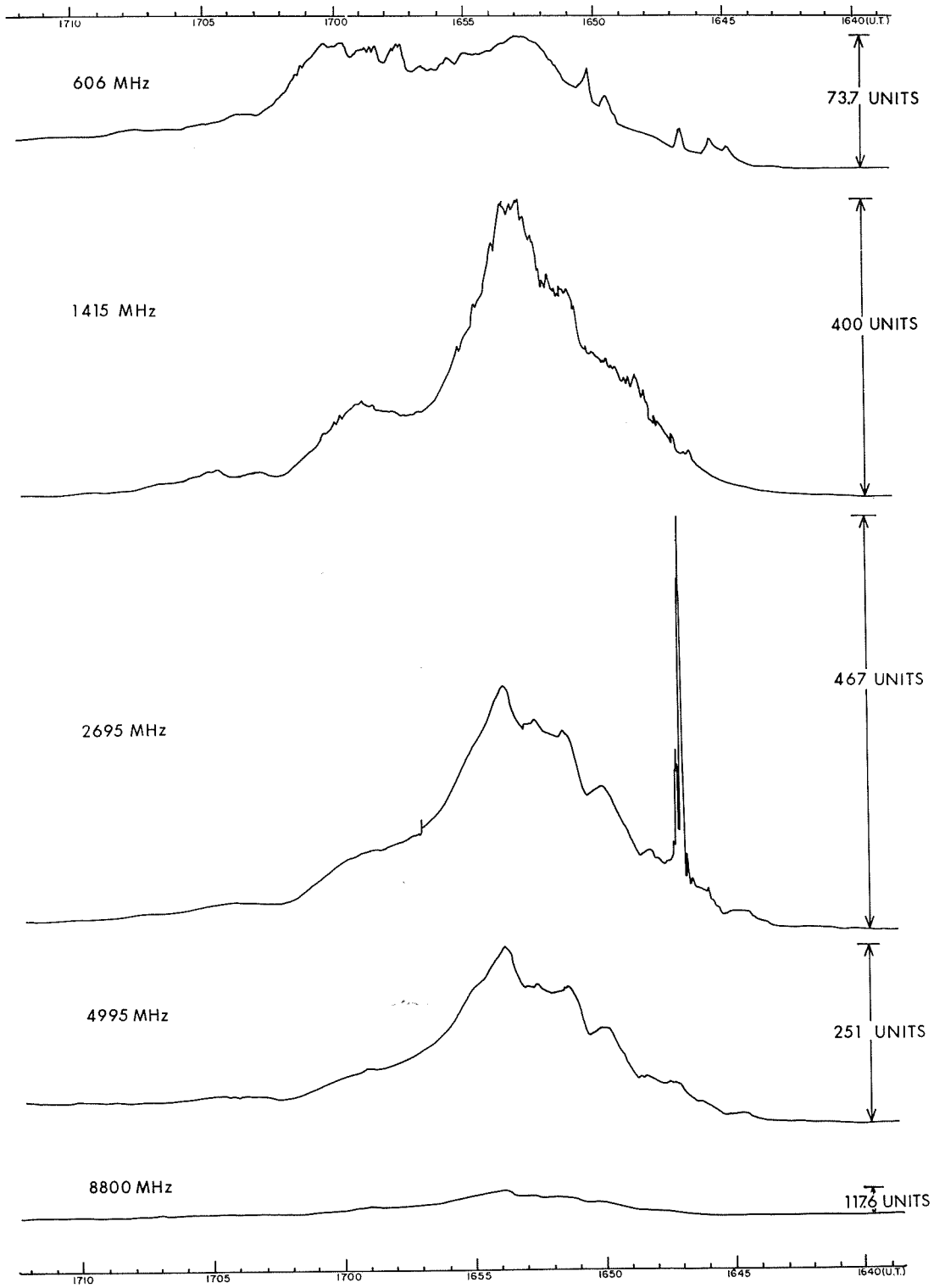
FEBRUARY 1967

FEB. 1967	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} (c/s)$^{-1}$ PEAK	FLUX DENSITY 10^{-22} Wm^{-2} (c/s)$^{-1}$ MEAN	INT.	REMARKS
28										
	4995	SGMR	21	1818	1845.9	197 D	15.2	7.6		SUNSET
	2800	OTTA	24	1805		40	6.0			
	2700	PENN	26	1749.4	1800	21	3.0	1.5		
	2700	PENN	20	1811.8	1902.4	228.2	9.3	8.8		
	2695	SGMR	21	1815	1848	200 D	10.4	5.2		SUNSET
	1415	SGMR	21	1806.3	1841.9	263.7D	9.0	3.0		SUNSET
	606	SGMR	21	1806.1	1924.3	263.9D	5.0	2.6		SUNSET
	10700	PENN	3	1831.2	1832.6	9.8	21.4	8.0		
	8800	SGMR	4	1831.3	1832.5	3.7	14.0	4.5		
	4995	SGMR	3	1834.9	1835	.2	7.6	2.5		
	2800	OTTA	1	1835	1835	.5	7.0	5.0		
	2700	PENN	3	1832.5	1835.1	4.7	9.3	1.5		
	2695	SGMR	3	1834.9	1835.1	.4	10.4	3.5		
	1415	SGMR	1	1831.1	1831.6	1.7	4.1	1.5		
	606	SGMR	1	1830.8	1832.5	3	7.1	2.4		
	10700	PENN	3	1844	1851.5	11	12.5	6.2		
	2700	PENN	20	1845	1847.7	8	4.1	2.1		
	8800	SGMR	4	2024	2025.2	7	10.0	3.3		
	4995	SGMR	4	2024	2025	6.8	7.6	2.5		
	2800	OTTA	22	2023		100	4.0	3.5		
	2700	PENN	20	2022.2	2055.4	95	4.0	3.0		
	2695	SGMR	4	2024.4	2027.5	8.6	4.6	1.5		
	606	SGMR	3	2039.3	2039.8	.6	10.9	3.6		
	2700	PENT	21	2230		110	8.0	5.0		
	2800	OTTA	2	2238.5	2239.5	1.5	16.0	10.0		

No data are available from Boulder or Haleakala for February 1967.

22
Feb 67

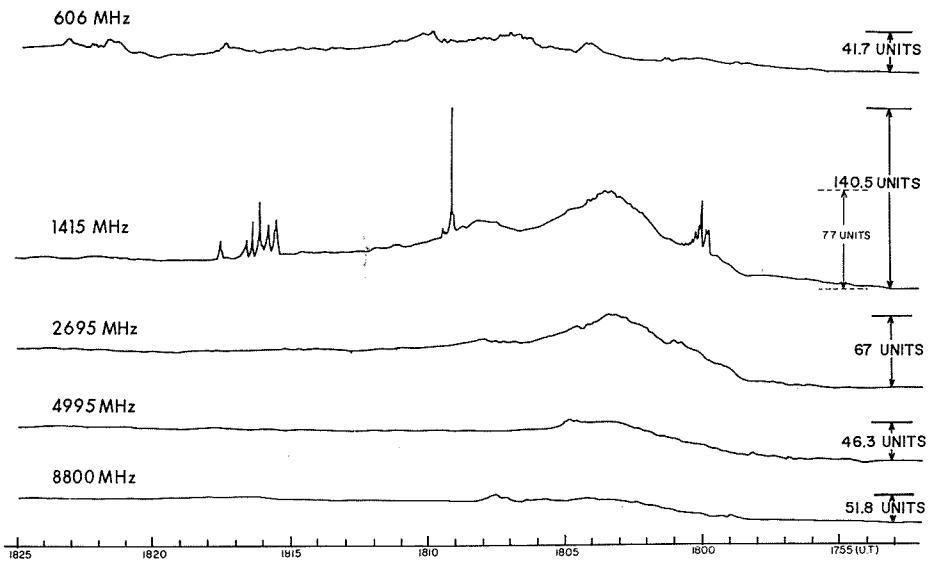
SELECTED SOLAR NOISE BURST
AFCRL SAGAMORE HILL
FEBRUARY 1967



COMPLEX BURST OBSERVED 4 FEBRUARY, 1967
SAGAMORE HILL RADIO OBSERVATORY(AFCRL) HAMILTON, MASS.

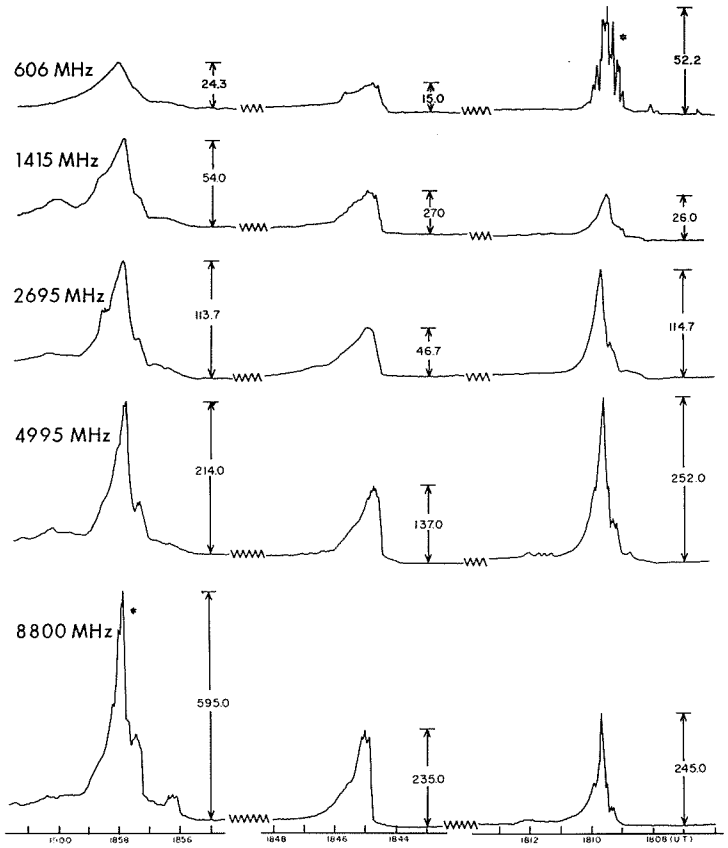
SELECTED SOLAR NOISE BURSTS
AFCRL SAGAMORE HILL

FEBRUARY 1967



RADIO BURST OBSERVED 13 FEBRUARY, 1967 SAGAMORE HILL RADIO OBSERVATORY (AFCRL)
HAMILTON, MASS – LONG POST BURST INCREASE FOLLOWED, ENDING AT 2017 U. T.
(note: SACRAMENTO PEAK OBSERVED A 4B OPTICAL FLARE, MAX. 1815 U.T.)

The illustration by Sagamore Hill of the burst of December 9, 1966 on pg. IVf of CRPL-FB-269 published January 1967 has an error in labeling two of the peak flux values. For 4995 MHz it should read 262.5 units and for 8800 MHz, 236.0 units.



SIMPLE 2* BURSTS OBSERVED 25 FEB. 1967
AT SAGAMORE HILL RADIO OBSERVATORY (AFCRL) HAMILTON, MASS.

23
Feb 67

SOLAR RADIO EMISSION
SPECTRAL OBSERVATION

FEBRUARY 1967

University of Colorado

7.6-41 Mc/s

Date Feb 1967	Bursts				Date Feb 1967	Bursts			
	Type	Time (U. T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U. T.)	Intensity	Frequency Range (Mc/s)
1	continuum	1420.0-1900.0	1-	28-41	11	III	2229.0-2229.2	1	24-35
	III	2117.2-2117.5	2	21-41	12	III	1417.0-1417.8	1+	25-40
	III	2138.8-2139.2	1+	25-41		IIIg	1443.8-1446.5	1+	24-41
	IIIg	2142.0-2143.8	3	17-41		III	1658.2-1658.5	1+	33-41
	III	2145.8-2146.2	2	21-41		III	1714.0-1714.2	1-	27-40
	III	2213.5-2214.0	3	22-41		III	2002.5-2203.2	2	21-39
	III	2216.0-2216.2	2	24-39		IIIG	2146.2-2149.8	1+	24-41
2	no observ.					III	2241.0-2241.2	1	31-40
3	no observ.					III	2245.2-2245.5	1	28-40
4	III	1538.2-1538.5	1-	28-38		IIIg	2246.0-2248.8	3	22-40
	continuum	1648.2-1705.0	3	21-41	13	IIIg	1620.8-1623.0	3	22-41
	III	1656.2-1700.5	3	18-41		III	1721.2-1721.5	1	25-37
	IV	1705.0-1846.5	3	22-41		continuum	1801.5-1829.0	3	14-41
	III	1705.8-1706.8	3	26-41		IV	1829.0-a2438.0	2	24-41
	II	1707.8-1728.0	3	16-26	14	III	2128.5-2128.8	1	30-40
	III	1712.5-1713.0	2	22-41	15	IIIg	2009.5-2010.5	1	28-37
	continuum	1846.5-2151.0	3	22-41	16	IIIg	1405.2-1406.5	2+	12-41
	continuum	2151.0-2325.0	2	24-41		IIIg	1501.8-1503.5	1+	19-37
	continuum	2325.0-a2420.0	1	28-41		III	1506.0-1506.2	1	28-36
5	continuum	b1353.0-1700.0	3	24-41		III	1536.2-1636.5	1+	22-39
	continuum	1700.0-2235.0	2	24-41		III	1603.5-1603.8	1-	22-39
	IIIg	1910.0-1912.2	3	22-41		III	1711-2-1711.5	2	16-37
	continuum	2235.0-a2355.0	1	27-41	17	no observ.			
	III	2350.2-2351.5	3	26-41	18	no observ.			
6	continuum	b1421.5-1845.0	1	25-41	19	III	1543.5-1543.8	2	24-41
	IIIg	1644.0-1644.5	3	24-41		III	1619.0-1619.2	1+	24-41
	continuum	1845.0-1920.0	2	22-41		IIIG	1714.2-1724.0	1+	23-41
	continuum	1920.0-1945.0	1	28-41		IIIg	1740.8-1741.8	1	29-41
	continuum	2034.8-a2330.0	1-	28-41		III	1834.5-1834.8	1	30-38
	IIIg	2045.5-2047.2	2	24-41		IIIg	1849.8-1850.8	1+	30-41
	IIIC	2305.5-2309.5	3	25-41		continuum	1858.5-1950.0	1-	24-41
7	continuum	1500.0-1817.0	1+	24-41		IIIg	2051.8-2053.0	1-	25-38
	continuum	1817.0-1900.0	2	24-41		IIIg	2121.5-2123.5	2+	22-41
	continuum	1900.0-2304.0	1	24-41		IIIg	2132.8-2134.0	1+	26-40
8	continuum	b1436.5-a2355.0	1+	24-41		III	2138.5-2138.8	1-	30-40
	IIIg	1903.0-1903.5	2	24-41	20	III	1528.5-1528.8	1-	29-39
9	IIIg	1919.5-1922.5	2+	24-40		III	1541.8-1542.2	1+	30-40
	III	1953.5-1953.8	1	25-37		IIIg	2206.5-2207.2	1+	24-40
	III	2054.5-2055.0	3	23-40		III	2258.8-2259.2	2	28-41
	III	2155.2-2155.5	1-	24-36		III	2310.0-2310.2	1+	26-41
	III	2220.5-2220.8	1-	29-40	21	III	1334.8-1335.0	1+	25-35
	III	2324.8-2325.0	2	24-40		continuum	1357.8-1408.2	2	26-41
	III	2410.5-2410-8	2+	28-38		IIIg	1426.0-1428.5	2	26-41
10	III	1608.2-1608.5	1-	27-41		III	1438.8-1439.0	1	28-41
	III	1723.8-1724.0	1-	26-41		IIIg	1442.5-1445.5	1+	28-40
11	III	1622.5-1622.8	1-	26-40		IIIC	1514.2-1516.8	3	23-41
	III	1834.8-1835.0	1-	25-40		III	1534.8-1535.0	1	32-41
	III	2209.2-2209.5	1-	29-40		III	1538.8-1539.0	2	26-41
	III	2219.2-2219.8	1+	26-40		IIIG	1604.5-1610.5	3	23-41
	IIIg	2222.2-2222.8	1+	28-40		II	1620.0-1640.0	2	24-41

SOLAR RADIO EMISSION
SPECTRAL OBSERVATION

FEBRUARY 1967

University of Colorado

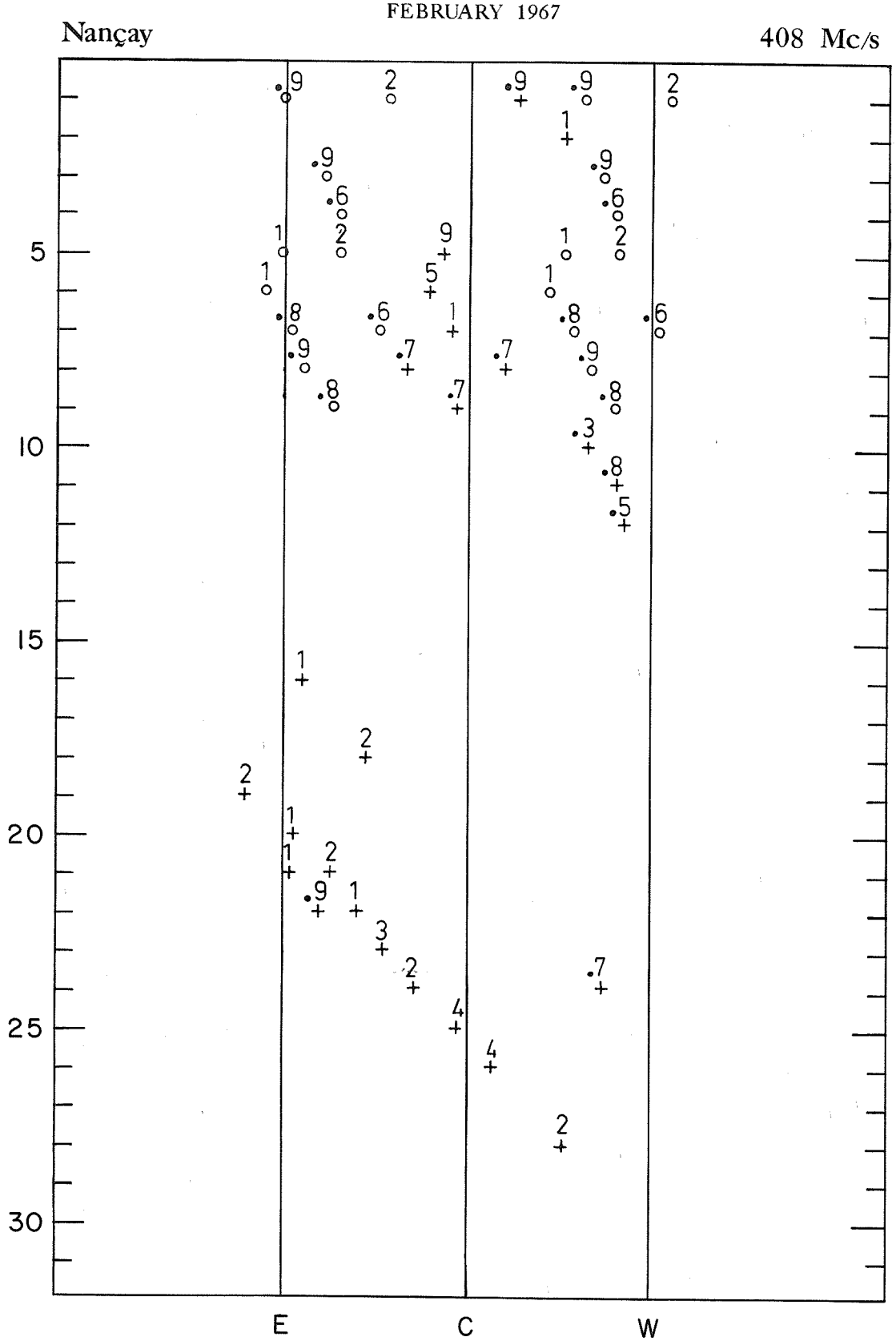
7.6-41 Mc/s

Date Feb 1967	Bursts				Date Feb 1967	Bursts			
	Type	Time (U. T.)	Intensity	Frequency Range (Mc/s)		Type	Time (U. T.)	Intensity	Frequency Range (Mc/s)
21	III	1655.0-1655.5	2+	24-41	24	IIIG	1918.9-1923.3	2	25-41
	continuum	1721.8-2200.0	1	24-41		III	1934.5-1935.0	2	26-41
	III	1818.2-1819.8	3	16-41	25	continuum	b1340.0-1500.0	2	25-41
	IIIg	1828.8-1833.2	3	16-41		III	1449.3-1450.1	3	23-41
	III	1844.8-1847.2	3	16-41		continuum	1500.0-1844.4	1+	25-41
	III	1927.2-1928.5	3	24-41		IIIg	1844.4-1846.4	3	15-41
	III	1935.5-1936.0	3	24-41		IIIg	1855.5-1858.3	3	16-41
	III	2002.2-2005.0	3	16-41		II	1901.0-1910.0	3	24-41
	IIIG	2012.2-2032.0	3	22-41		IV	1910.0-2020.0	3	24-41
	IIIG	2039.8-2059.0	3	16-41		continuum	2020.0-a2459.0	1	25-41
	IIIg	2118.2-2120.5	2	24-39	26	continuum	b1351.3-2400.0	1	26-41
	IIIg	2129.5-2136.0	3	29-41		III	2054.2-2054.5	2+	20-41
	IIIG	2155.0-2200.2	3	22-41		III	2206.5-2206.9	2+	25-41
	III	2203.0-2203.2	2	24-41	27	III	1339.8-1340.6	3	27-41
	IIIg	2215.5-2217.5	3	22-41		continuum	b1350.0-1640.6	1	25-40
	IIIg	2220.8-2221.8	3	24-41		IIIg	1410.7-1411.5	2+	28-40
	IIIg	2227.2-2228.8	3	24-41		IIIg	1518.6-1519.3	2	29-40
	IIIg	2313.8-2317.8	1	25-41		IV	1640.6-1827.0	3	17-41
	IIIg	2331.2-2334.2	3	24-41		continuum	1827.2-2359.3	1	26-41
	IIIg	2437.5-2438.8	2	26-36		III	1842.5-1843.0	3	24-40
22	continuum	b1420.2-1439.5	1-	26-41		IIIg	2207.4-2211.0	3	24-41
	II	1504.8-1507.0	2	20-41		III	2238.6-2239.2	2+	25-40
	IV	1507.0-1705.0	2	24-41		IIIg	2241.1-2241.6	3	22-41
	continuum	1705.0-1847.5	1-	24-41		IIIg	2257.4-2258.2	2+	24-41
	IIIg	1825.2-1826.5	2	16-41		IIIg	2335.0-2337.3	2	24-41
	continuum	1847.5-2200.0	1+	24-41		IIIg	2346.4-2347.2	2+	25-41
	IIIG	1927.0-1934.0	3	15-41		continuum	2359.3-2413.2	2+	28-41
	IIIg	1939.2-1941.5	3	30-41		continuum	2413.2-a2459.0	1-	27-41
	IIIg	1943.2-1946.5	3	30-41		IIIg	2436.3-2439.6	3	21-41
	III	2013.2-2014.0	3	17-41	28	III	1509.4-1509.9	3	25-41
	IIIg	2018.2-2020.2	3	22-41		continuum	1523.2-2322.0	1-	25-41
	IIIG	2048.5-2053.0	3	22-41		IIIC	1602.5-1607.9	3	20-41
	continuum	2200.0-a2415.0	1+	28-41		IIIg	1612.0-1613.2	3	24-41
	IIIg	2250.2-2251.2	3	24-41		III	1632.2-1632.7	2	25-41
	IIIG	2407.5-2412.8	2+	28-41		IIIC	1714.7-1718.0	3	17-41
23	continuum	1525.5-a2500.0	1-	24-41		IIIg	1831.6-1837.1	3	16-41
	IIIg	1613.5-1616.8	3	18-41		IIIg	2318.2-2321.0	3	24-41
	IIIg	1813.5-1814.2	3	24-41					
	IIIG	1909.2-1913.8	3	22-41					
24	continuum	b1350.5-1431.3	1-	26-41					
	III	1350.5-1351.1	2	25-41					
	IIIg	1422.3-1423.8	2	26-41					
	IIIg	1429.7-1431.3	3	23-41					
	continuum	1431.3-a2415.0	1+	22-41					
	III	1820.7-1822.0	2	22-41					

28
Feb 67

SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATION

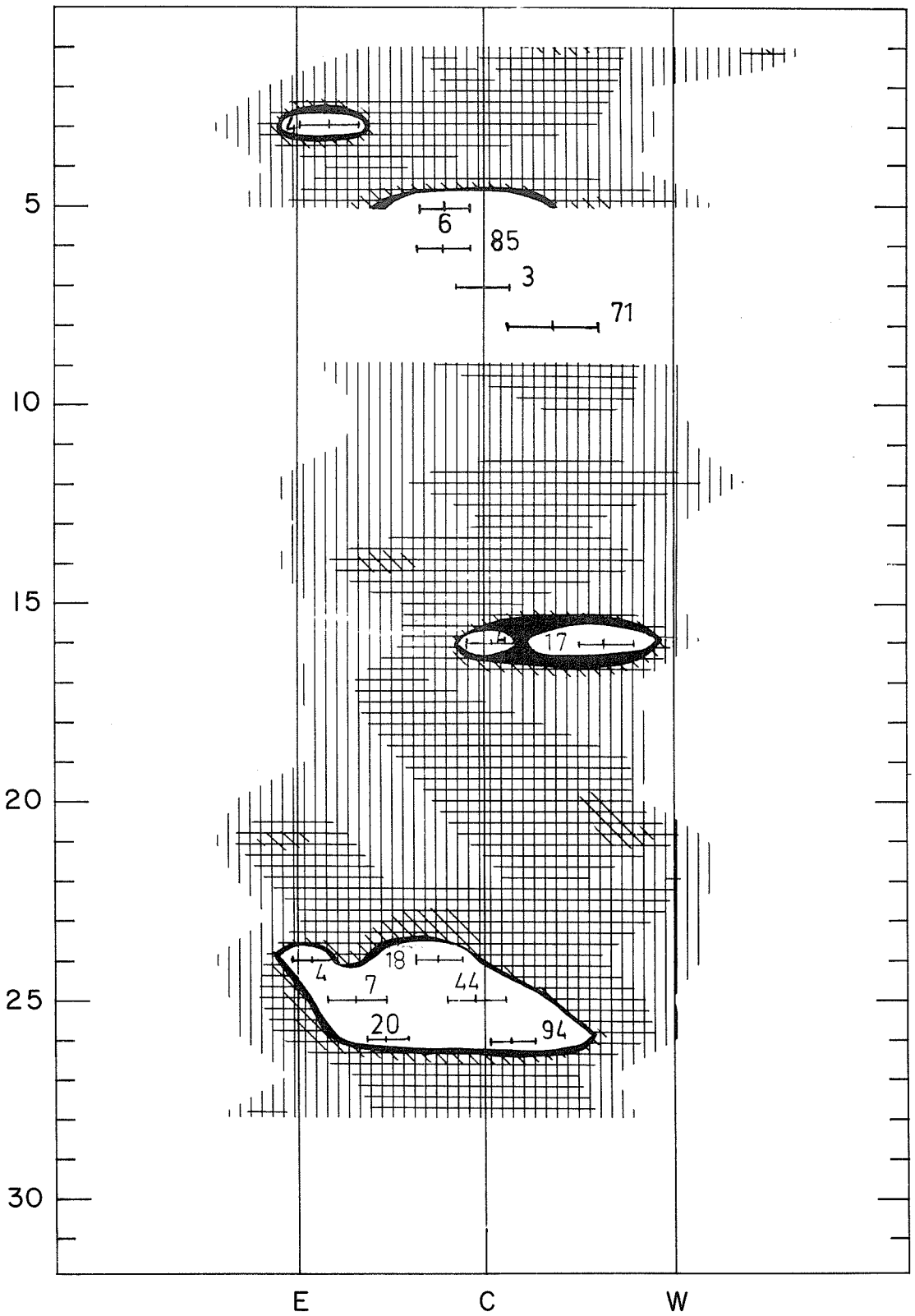
FEBRUARY 1967



SOLAR RADIO EMISSION
INTERFEROMETRIC OBSERVATION

FEBRUARY 1967

Nançay 169 Mc/s



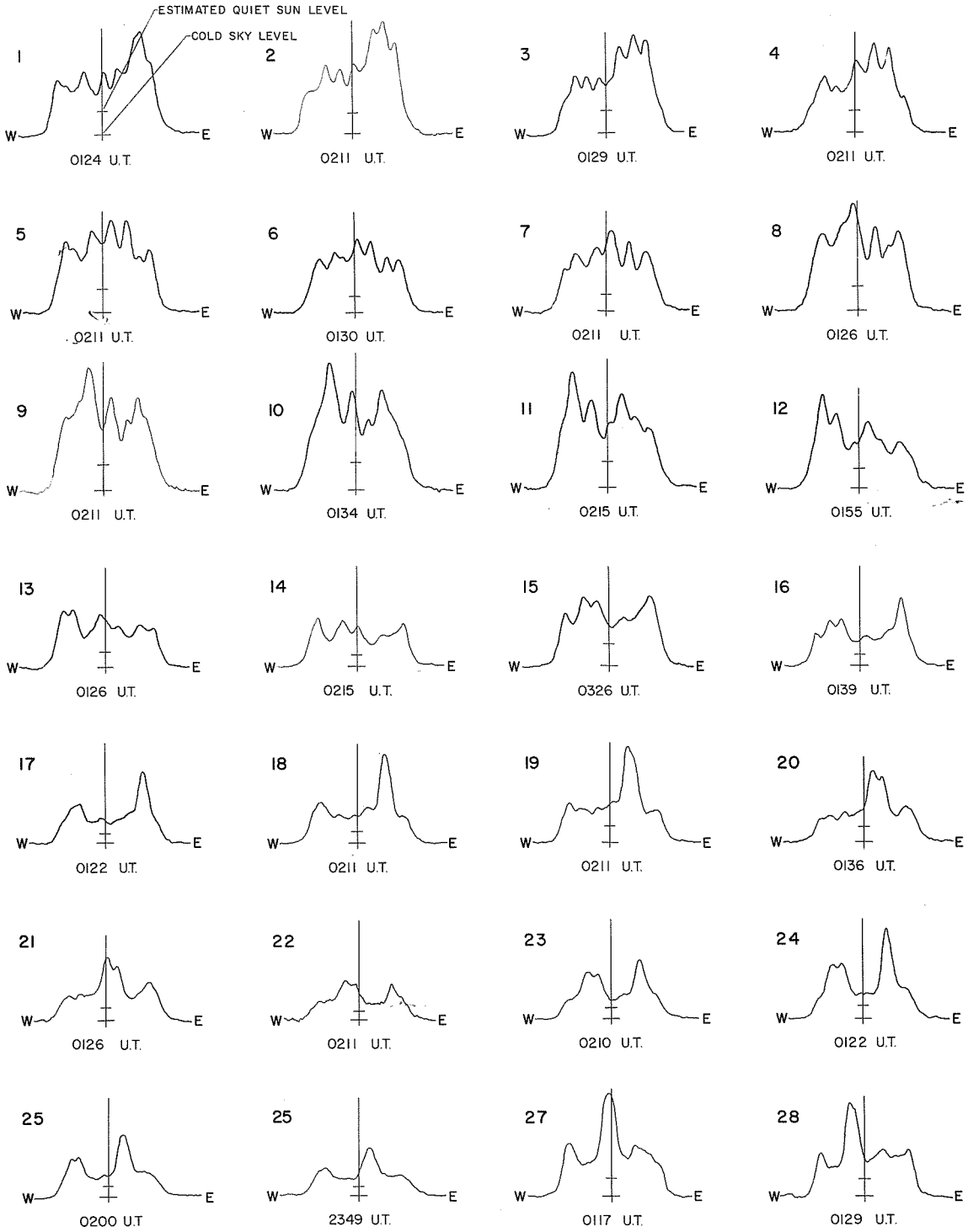
30
Feb 67

EAST - WEST SOLAR SCANS

February 1967

FLEURS, AUSTRALIA

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



EAST - WEST SOLAR SCANS

February 1967

FLEURS, AUSTRALIA

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

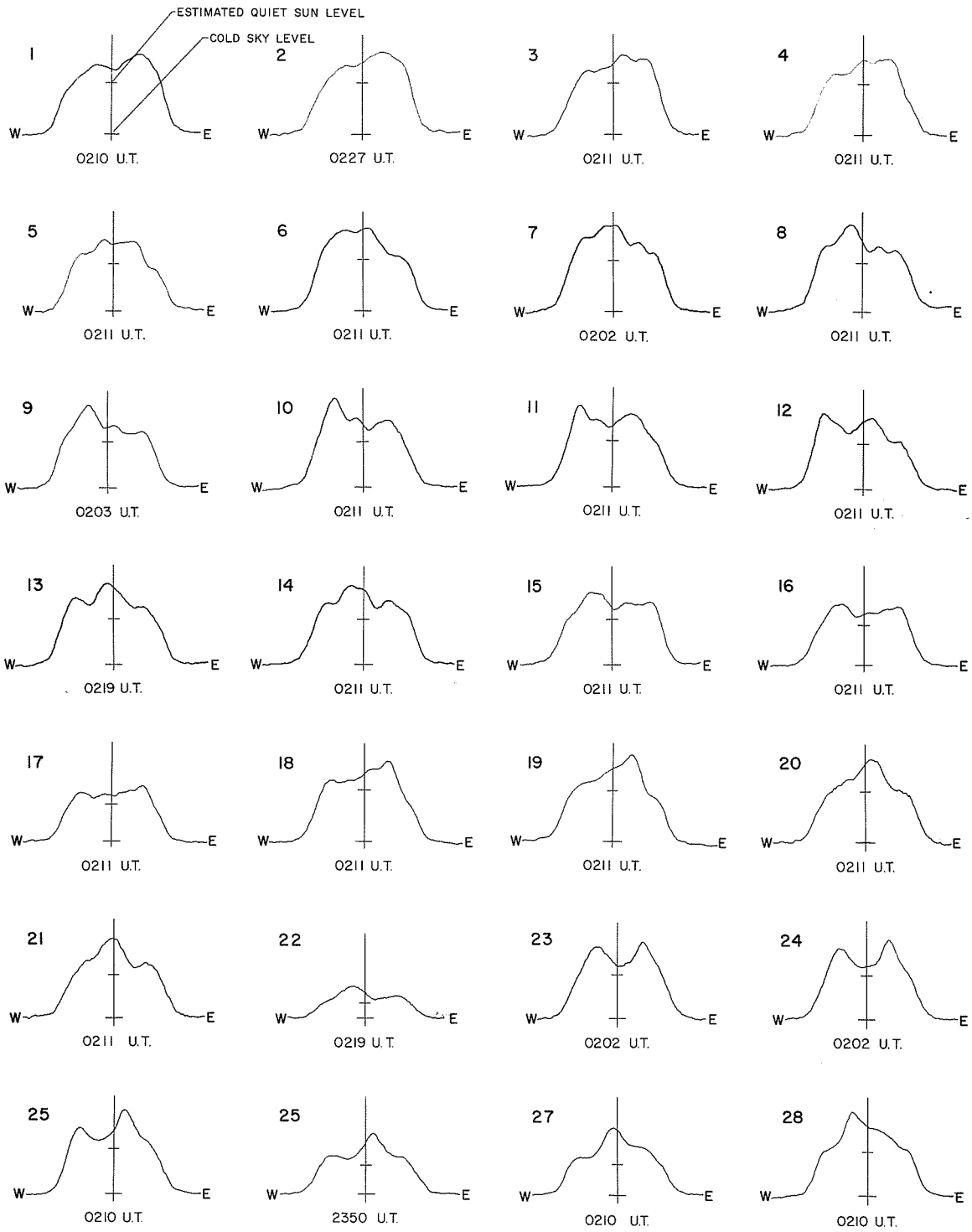


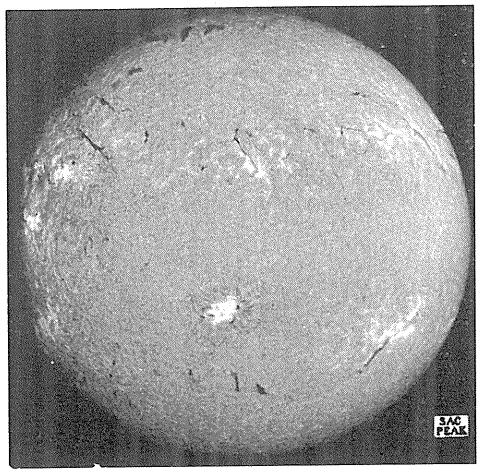
Table of Contents
for January 1967 Data

For explanations of the data contained herein see "Descriptive Text" published in February 1967.

JANUARY 1, 1967 (L_0=333.05°, B_0=-3.01°, P=+2.35°)

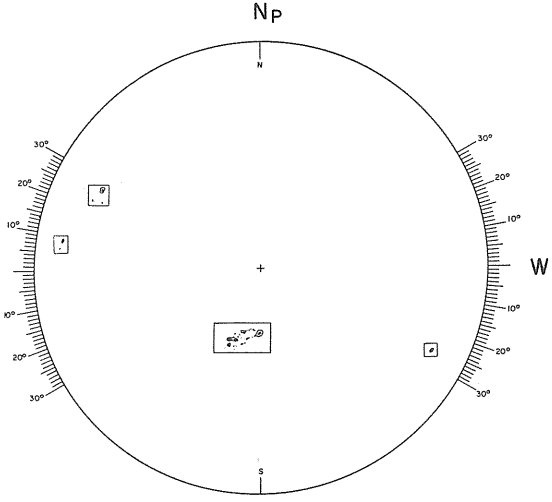
MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

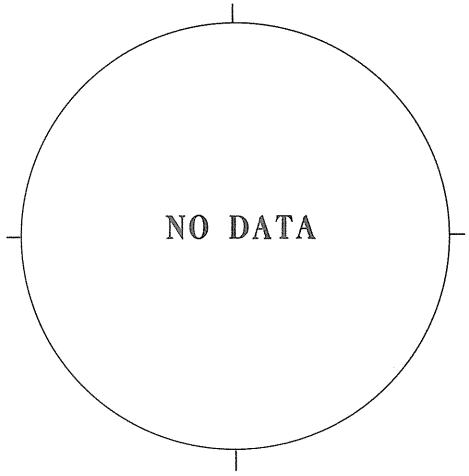


1607 UT

ESSA-BOULDER SUNSPOTS



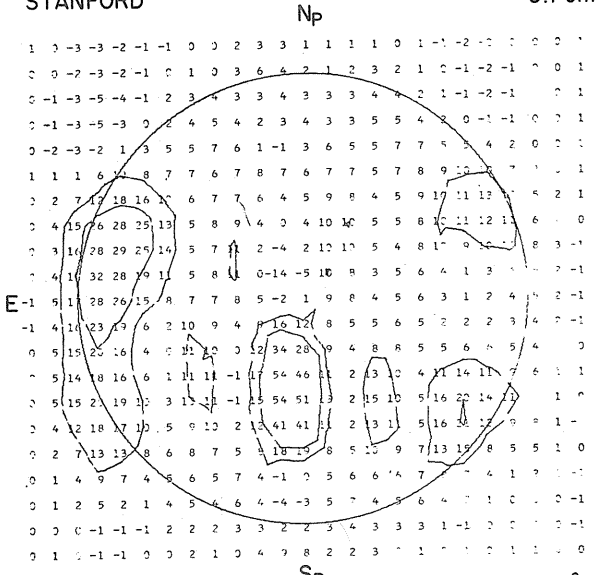
1825 UT



Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

S_P

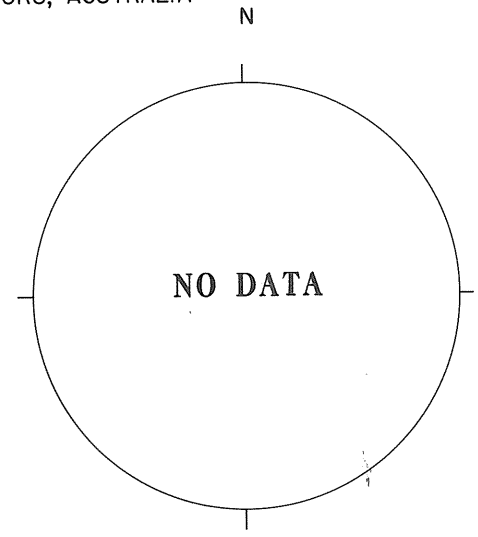
STANFORD 9.1 cm



20-21 UT Brightness Unit 5,000° K

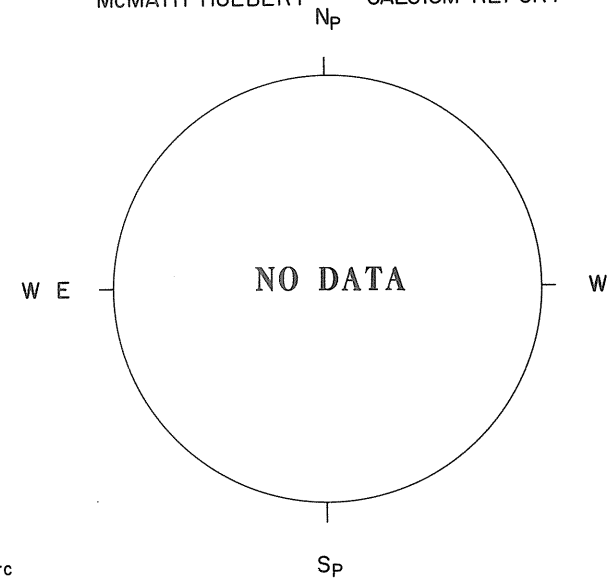
Contour lines are drawn at 50,000° and 100,000° K.

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

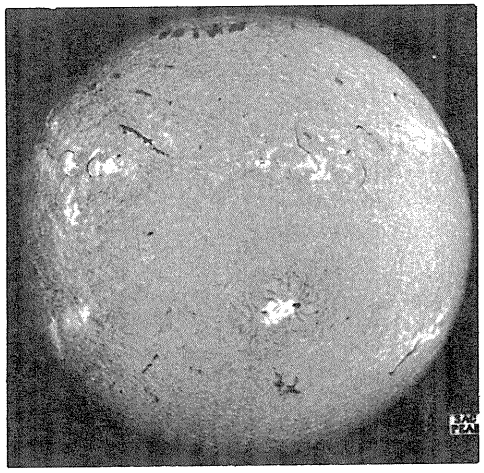
McMATH-HULBERT CALCIUM REPORT



35
Jan 67

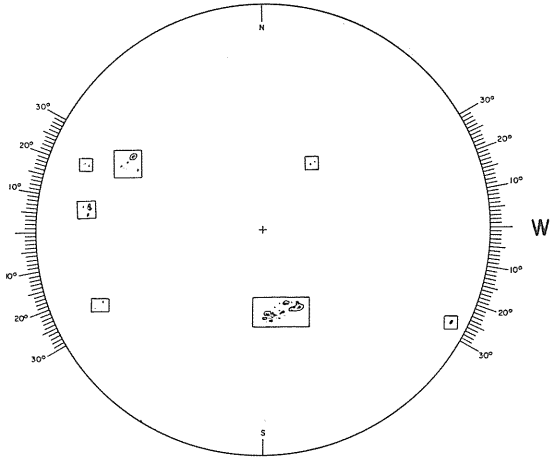
JANUARY 2, 1967 (L_0=319.87°, B_0=-3.12°, P=+ 1.86°)

SACRAMENTO PEAK Hα



1945 UT

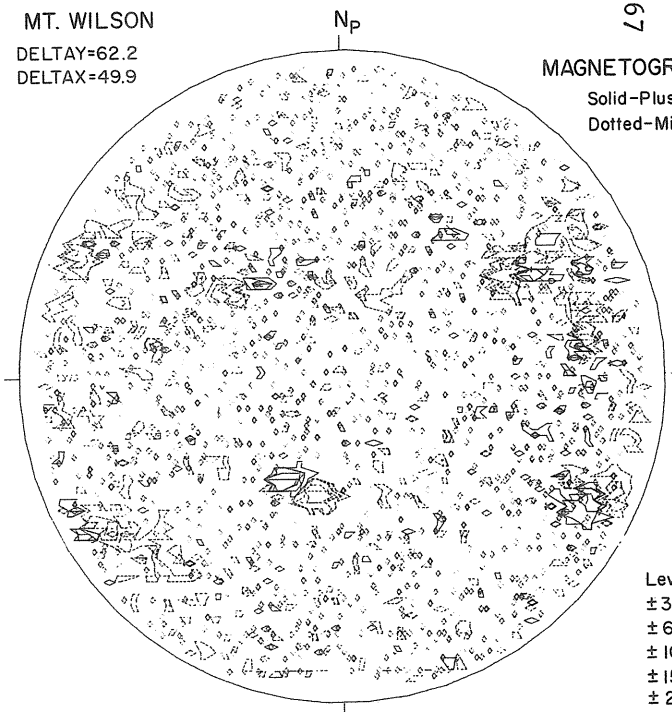
ESSA-BOULDER SUNSPOTS



1715 UT

MT. WILSON
DELTAY=62.2
DELTAX=49.9

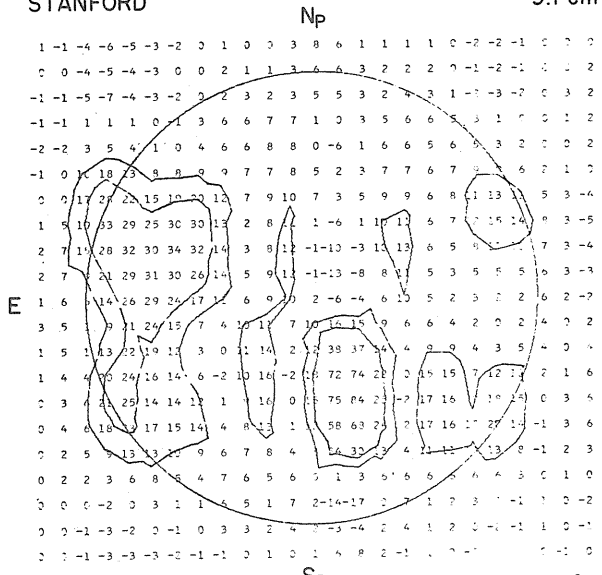
MAGNETOGRAM
Solid-Plus
Dotted-Minus



17.21-18.72 UT

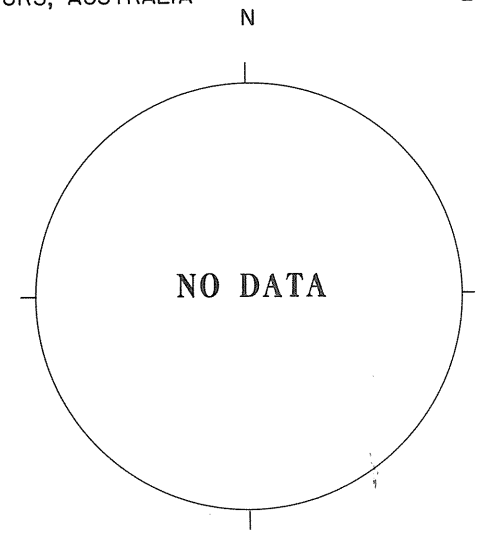
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



20-21 UT Brightness Unit 5,000° K

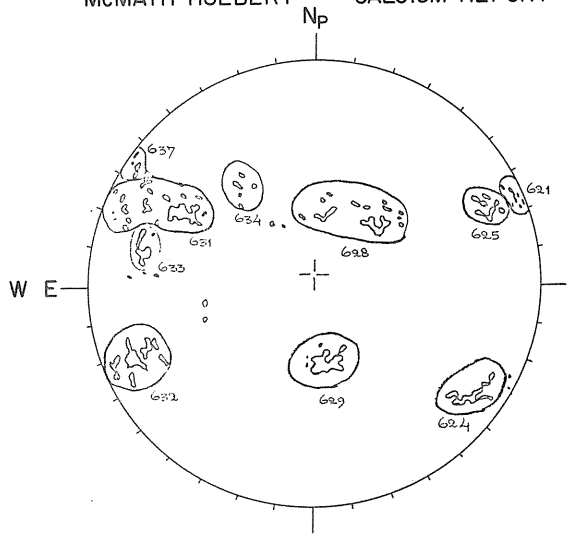
FLEURS, AUSTRALIA



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

21 cm

McMATH-HULBERT CALCIUM REPORT



1500 UT

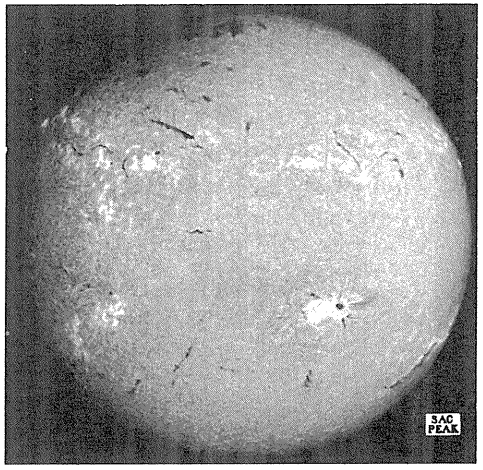
29-18-3.5
31-32-3.5
32-26-2.5
33-12-3

Only those plages with either an intensity ≥2.5 or an area ≥3000 are listed in the above table.

JANUARY 3, 1967 (L_0=306.70°, B_0=-3.24°, P=+ 1.38°)

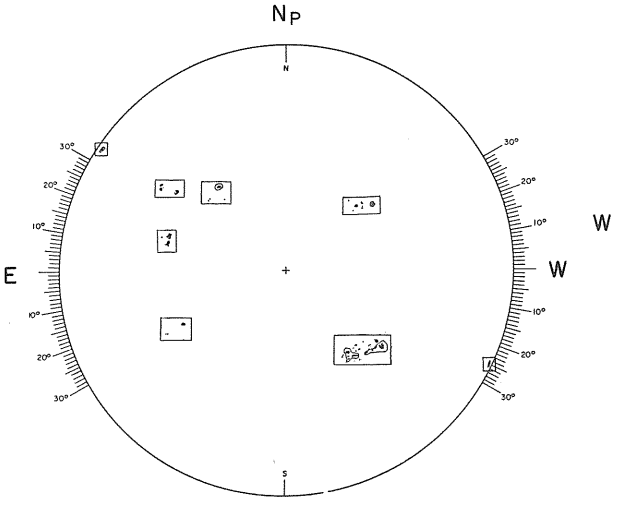
MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

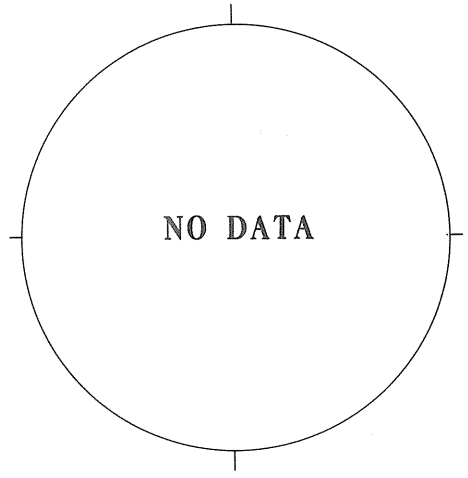


1618 UT

ESSA-BOULDER SUNSPOTS

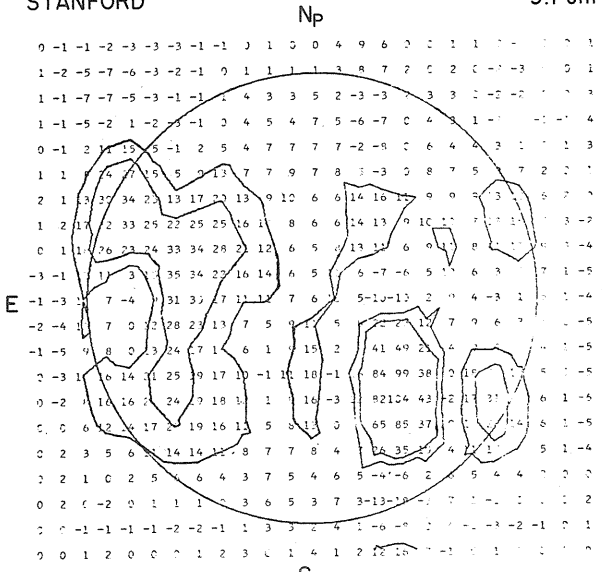


2230 UT



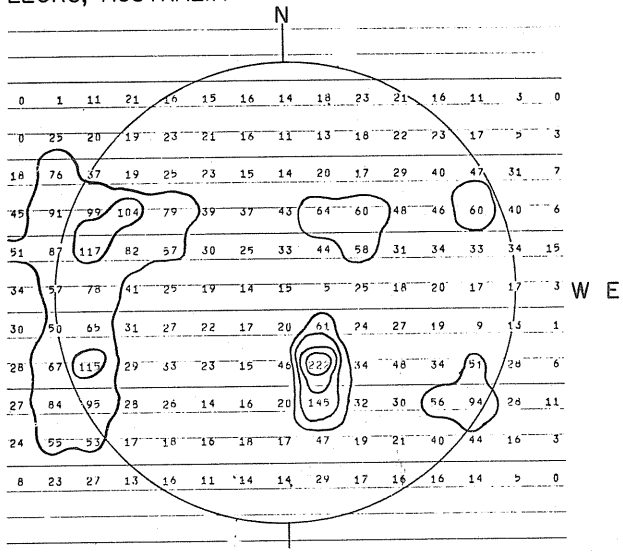
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



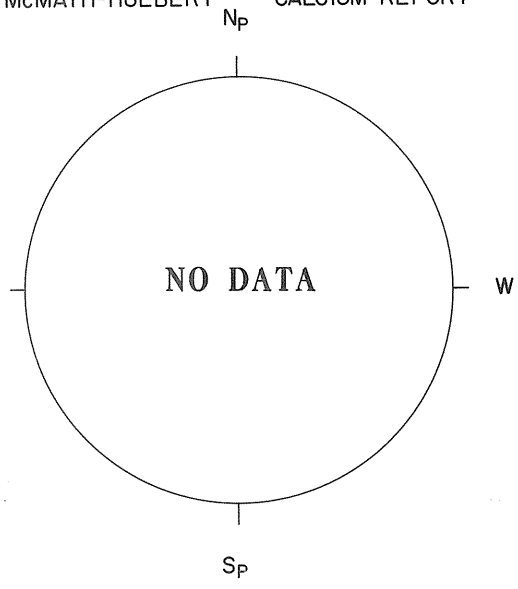
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

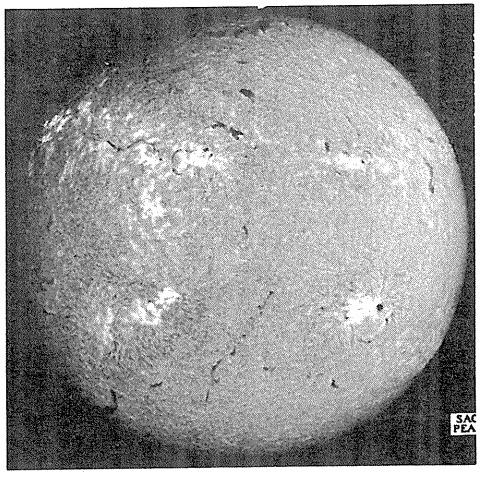
McMATH-HULBERT CALCIUM REPORT



37
Jan 67

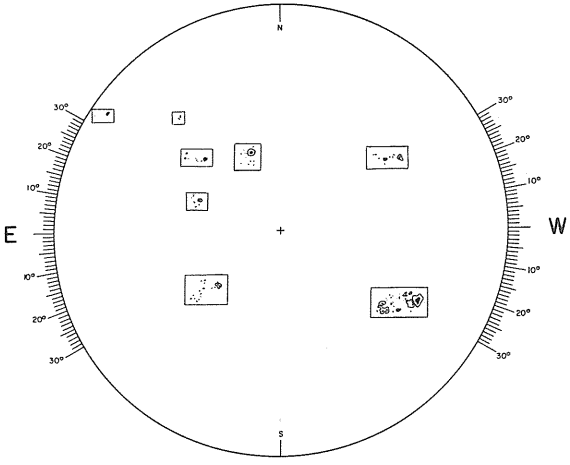
JANUARY 4, 1967 (L_0=293.53°, B_0=-3.36°, P=+0.89°)

SACRAMENTO PEAK Hα



1654 UT

ESSA-BOULDER SUNSPOTS

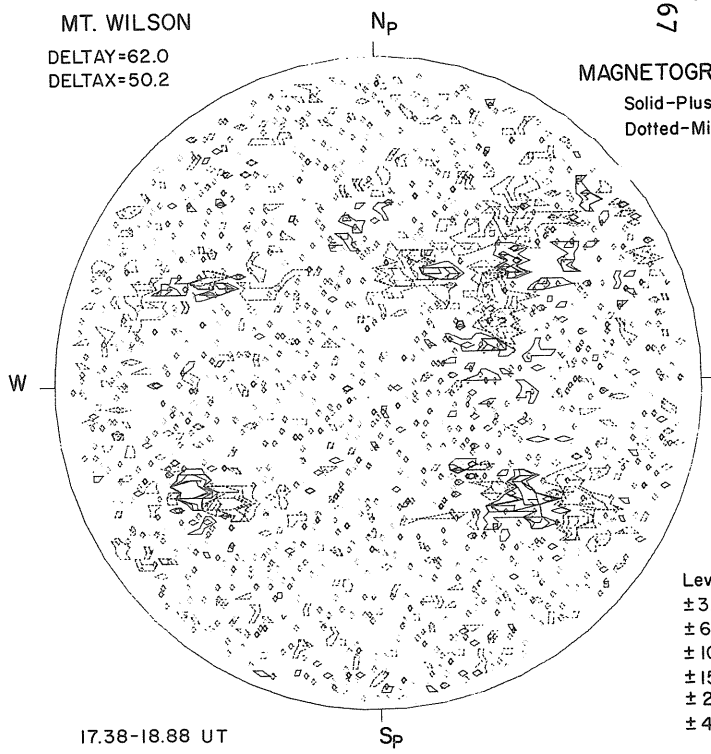


1740 UT

MT. WILSON

DELTAY=62.0
DELTAX=50.2

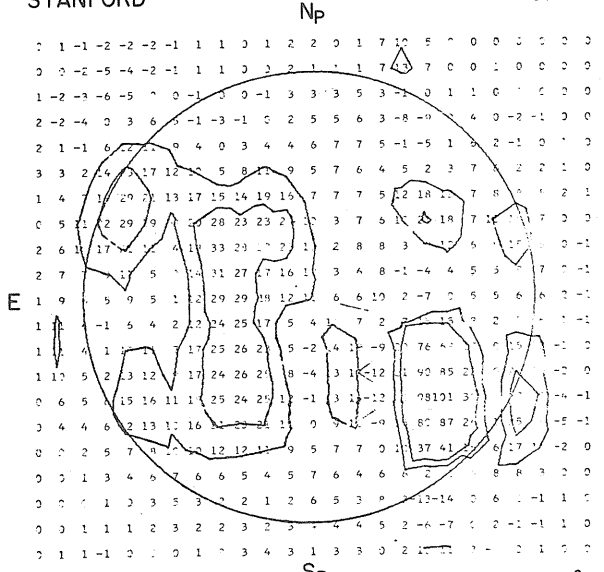
MAGNETOGRAM
Solid-Plus
Dotted-Minus



Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

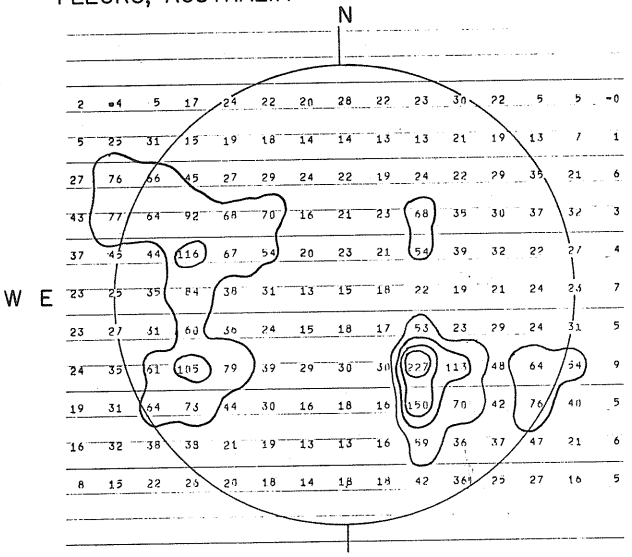
17.38-18.88 UT

STANFORD 9.1 cm



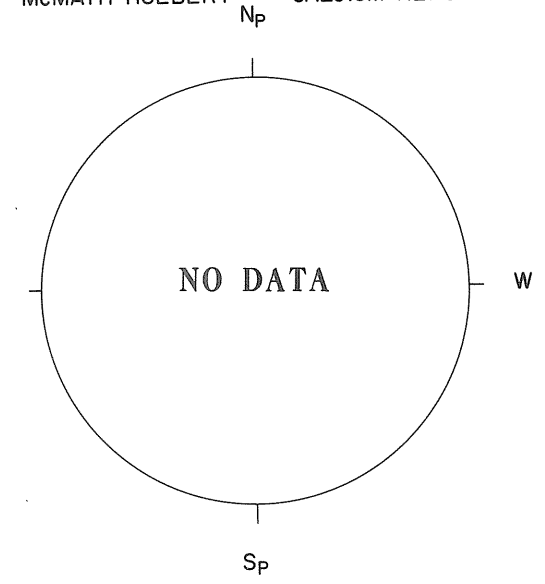
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



JANUARY 5, 1967 (L_0=280.36°, B_0=-3.47° P=+0.40°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

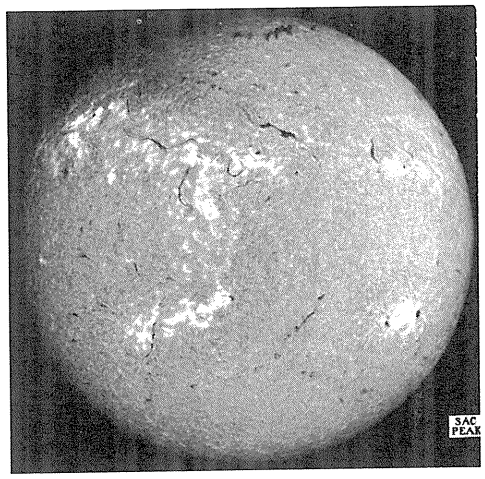
SACRAMENTO PEAK Hα

N

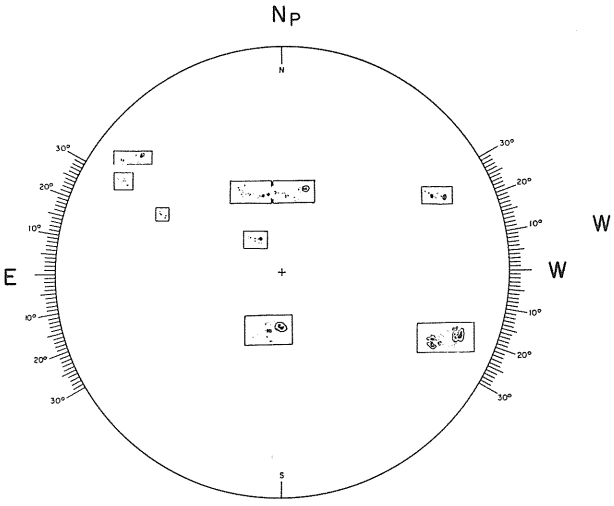
E W

S

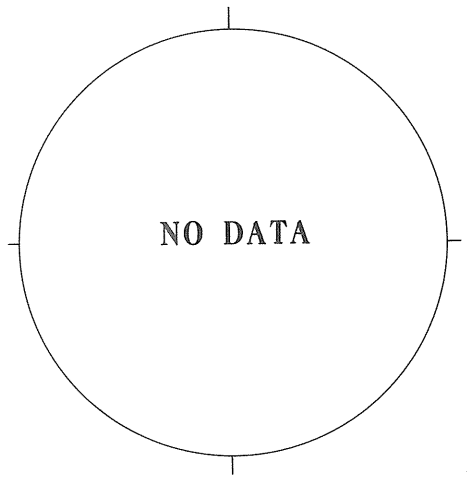
1637 UT



ESSA-BOULDER SUNSPOTS



1905 UT

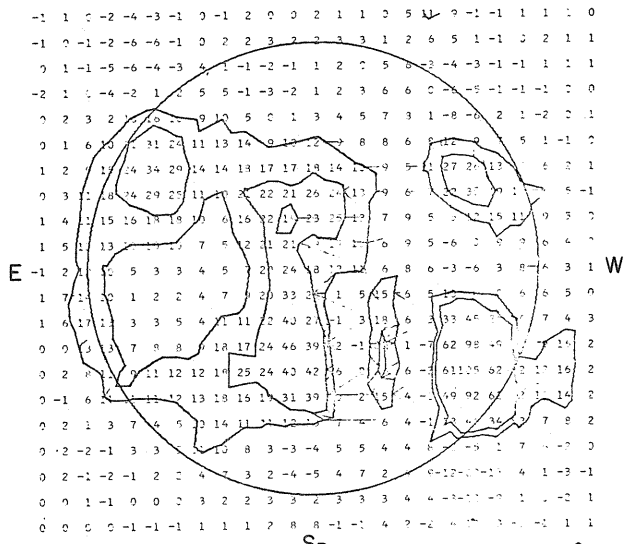


Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

S_P

STANFORD 9.1 cm

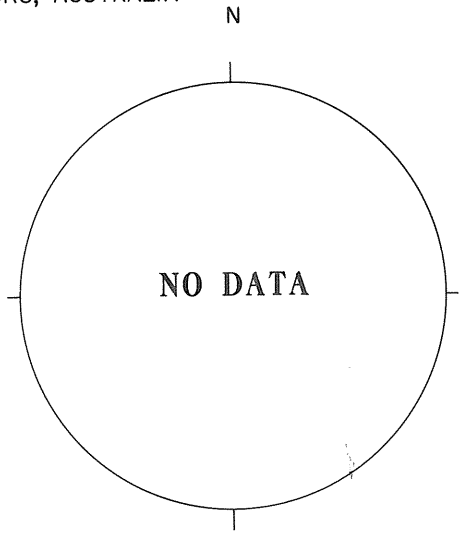
N_P



20-21 UT Brightness Unit 5,000° K

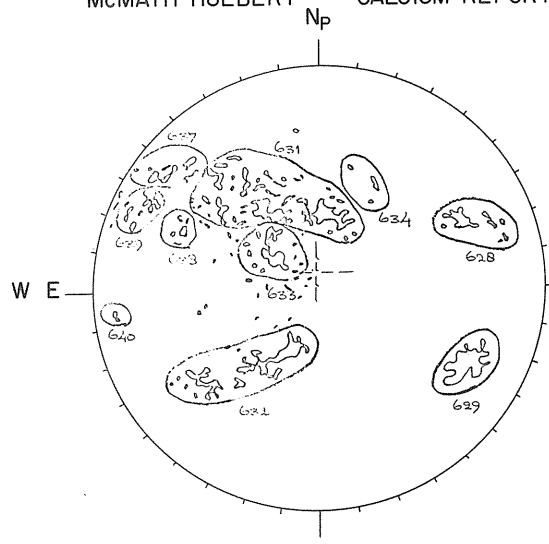
FLEURS, AUSTRALIA 21 cm

N



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



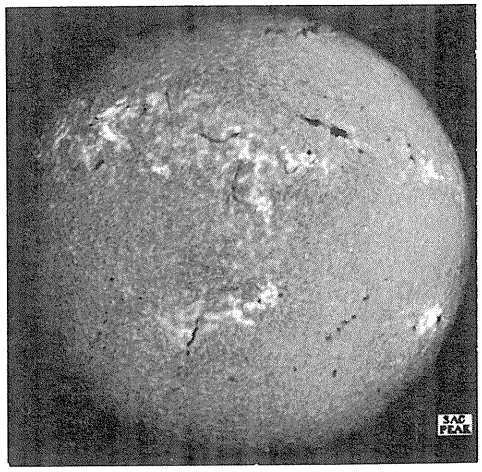
1515 UT

28-21- 3
29-35-3.5
31-85- 3
32-43-3.5
33-23- 3
37-19- 3
38-07-3.5
39-20-3.5

39
Jan 67

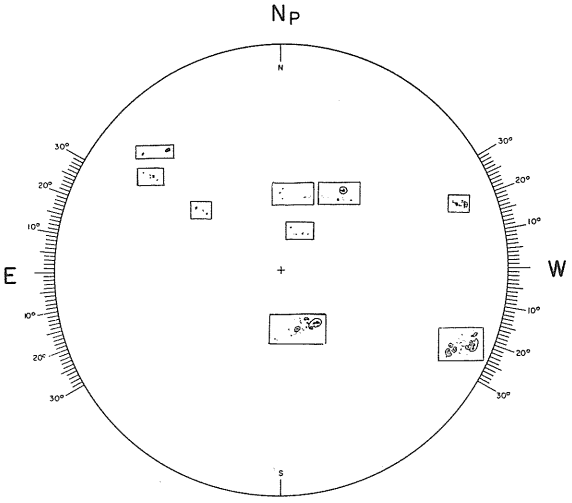
JANUARY 6, 1967 (L_0=267.20°, B_0=-3.58°, P=-0.08°)

SACRAMENTO PEAK Hα



1648 UT

ESSA-BOULDER SUNSPOTS

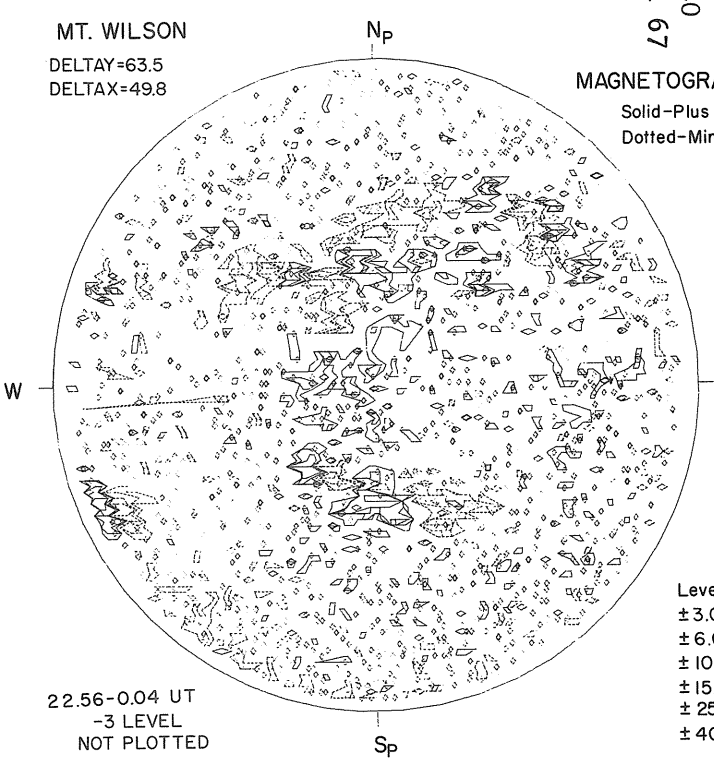


1620 UT

MT. WILSON

DELTAY=63.5
DELTAX=49.8

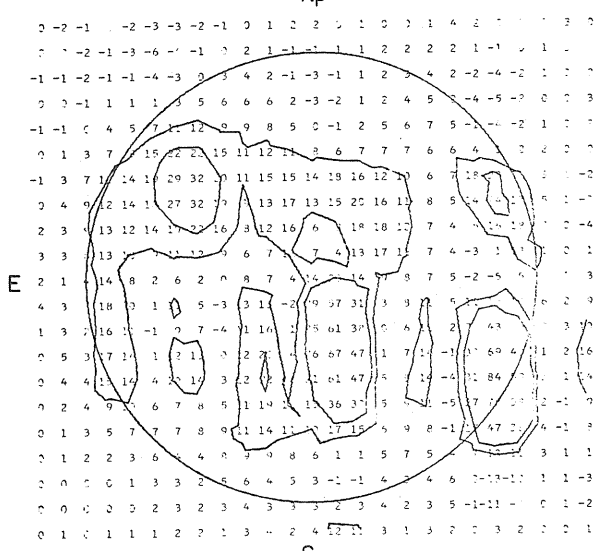
MAGNETOGRAM
Solid-Plus
Dotted-Minus



Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

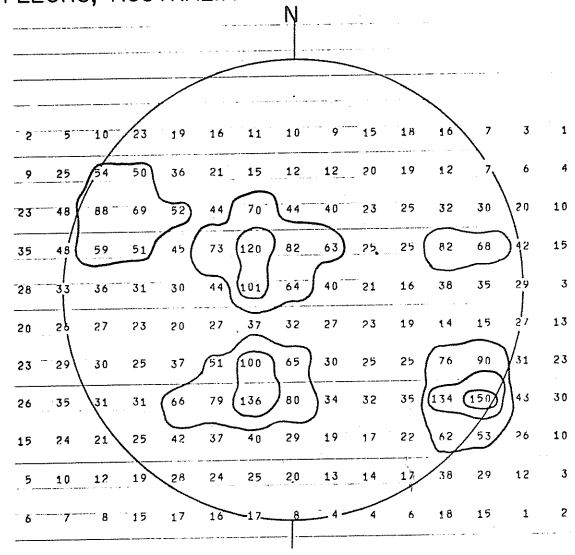
22.56-0.04 UT
-3 LEVEL
NOT PLOTTED

STANFORD 9.1 cm



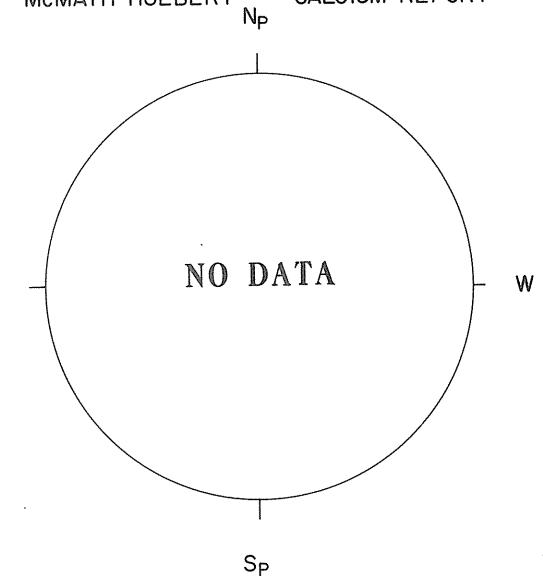
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

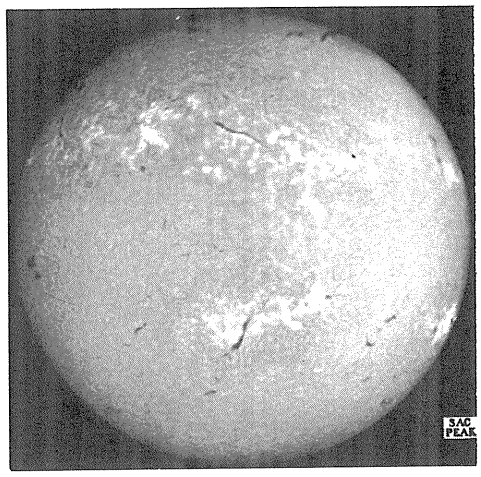
McMATH-HULBERT CALCIUM REPORT



JANUARY 7, 1967 (L_0=254.03°, B_0=-3.69°, P=-0.57°)

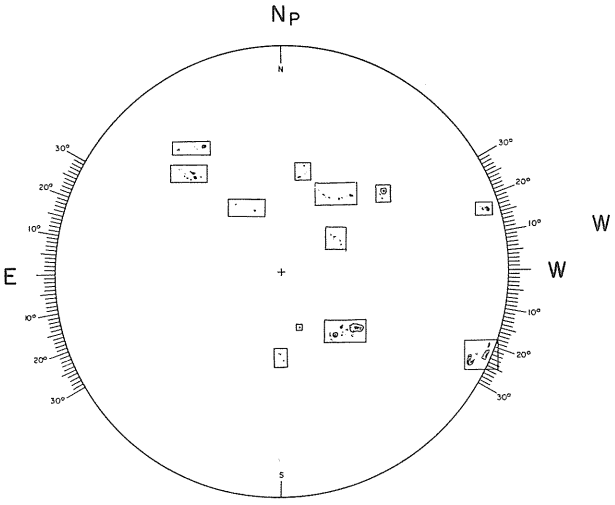
MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

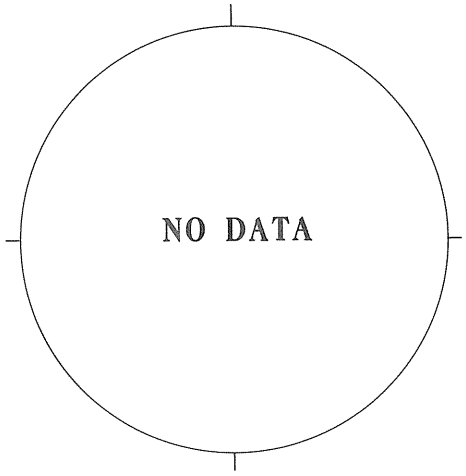


1645 UT

ESSA-BOULDER SUNSPOTS

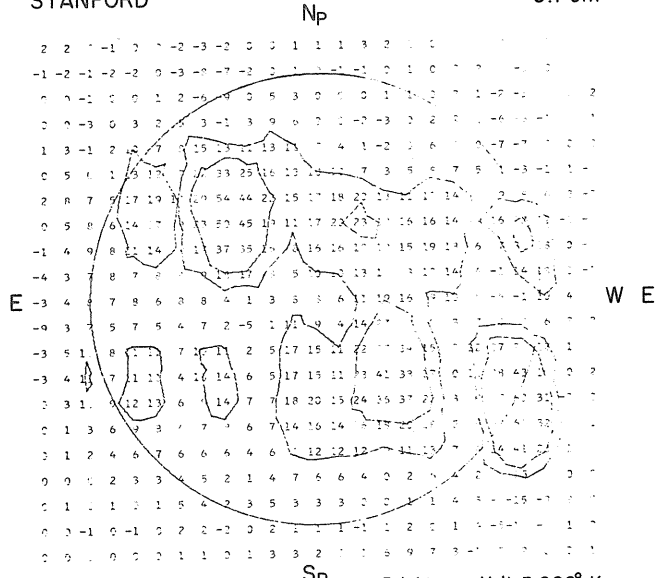


1615 UT



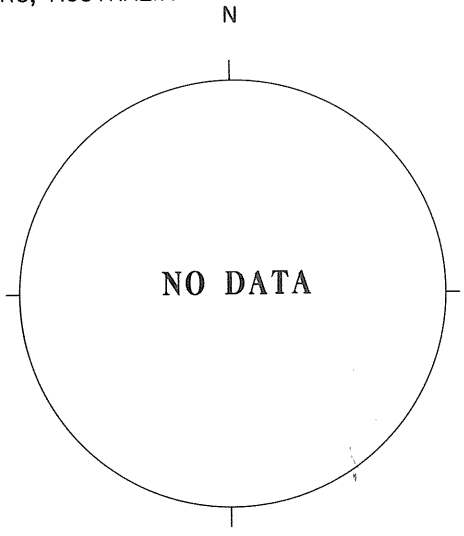
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



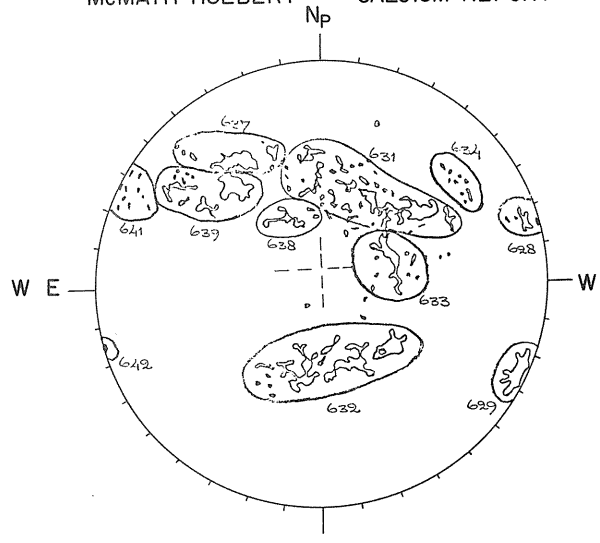
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

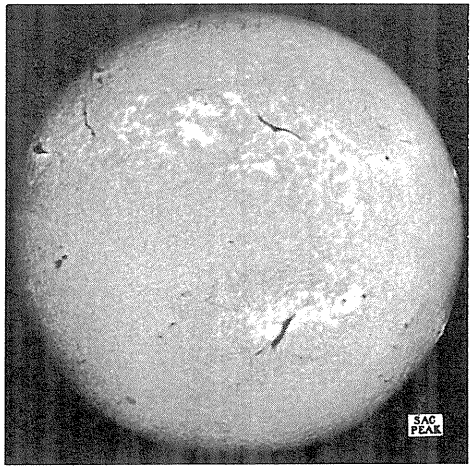


1700 UT

28-17-3
29-32-3.5
31-79-3
32-58-3.5
33-21-2.5
34-08-2.5
37-27-2.5
38-12-2.5
39-38-3

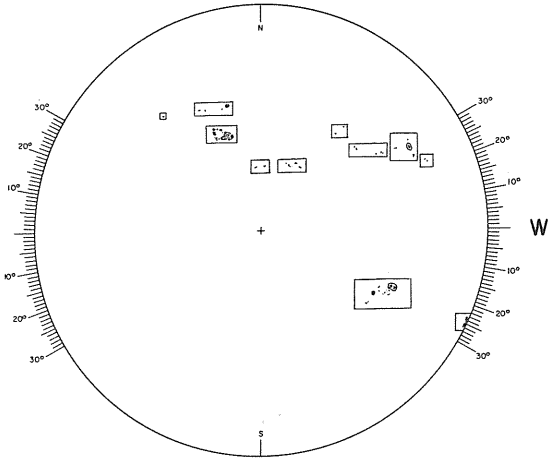
JANUARY 8, 1967 (L_0=240.86°, B_0=-3.80°, P=- 1.05°)

SACRAMENTO PEAK Hα



1600 UT

ESSA-BOULDER SUNSPOTS

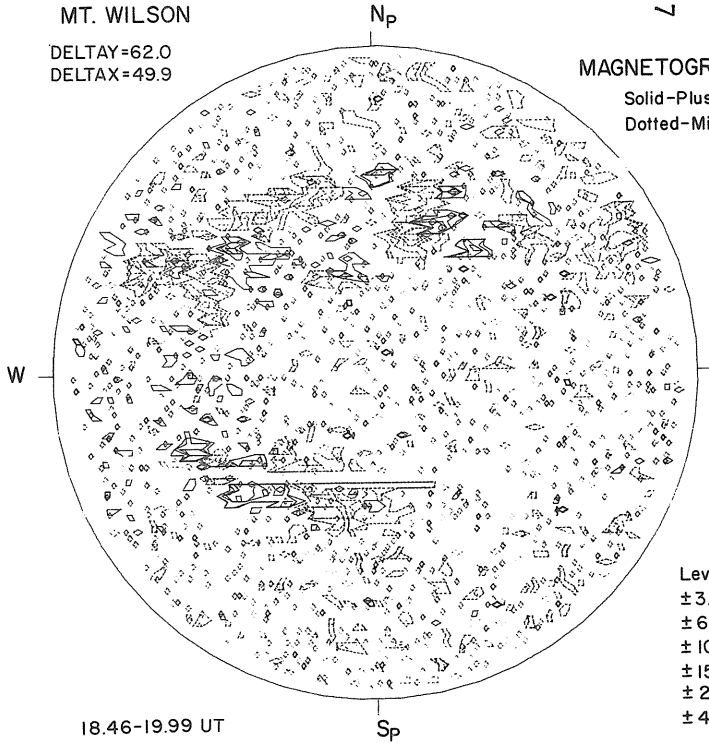


2130 UT

MT. WILSON

DELTAY=62.0
DELTAX=49.9

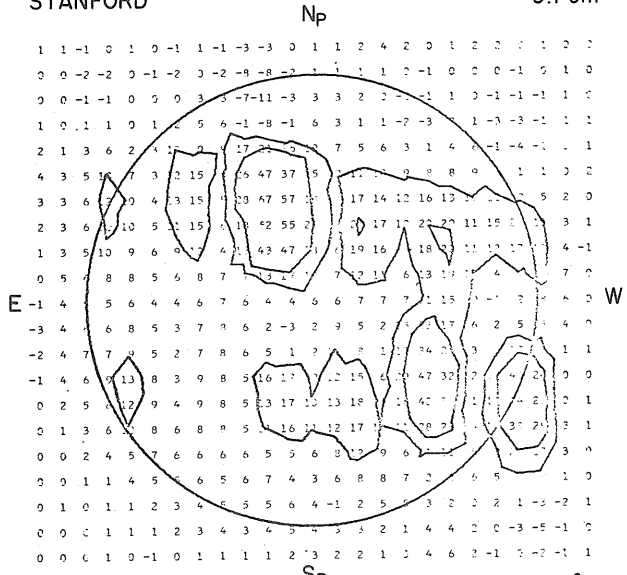
MAGNETOGRAM
Solid-Plus
Dotted-Minus



18.46-19.99 UT

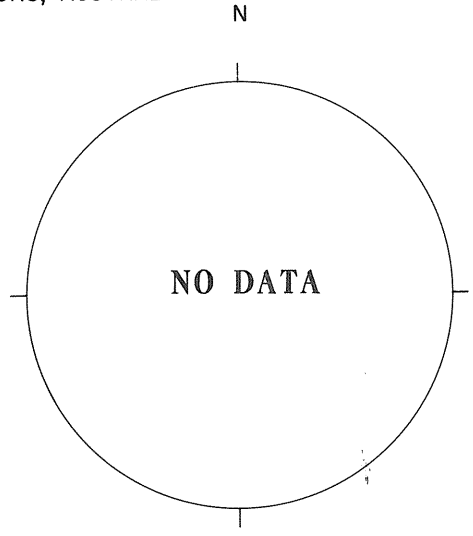
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



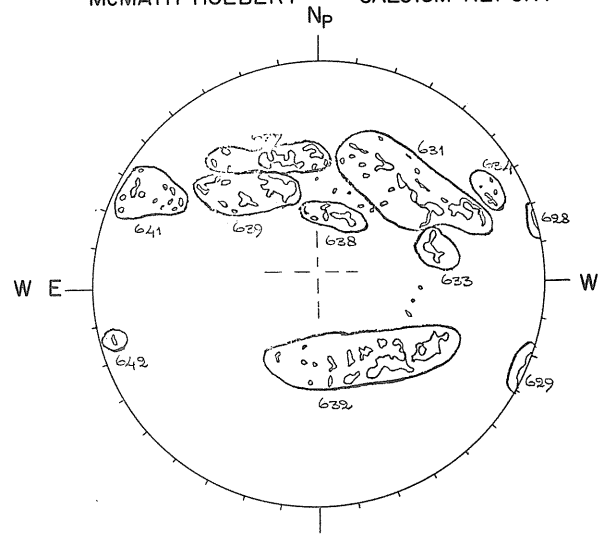
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

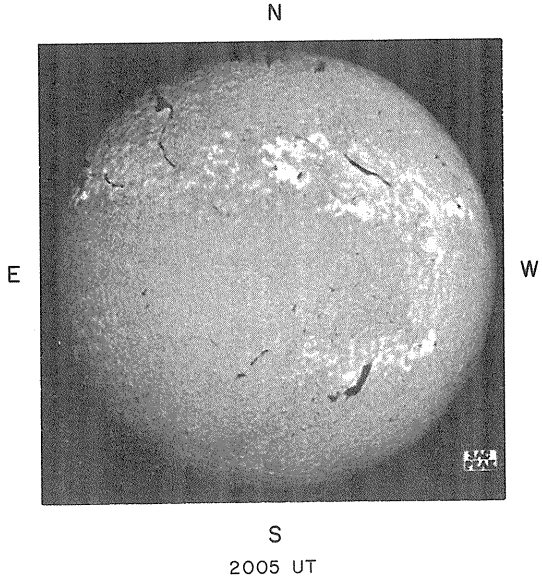


1625 UT

31 -65-2.5
32-52-3.5
33-14-2.5
37-30- 3
38-10 -2.5
39-35-3.5

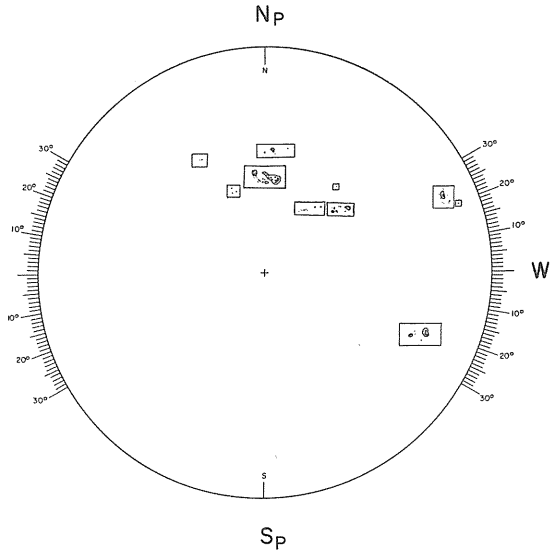
JANUARY 9, 1967 (L_0=227.69°, B_0=-3.91°, P=-1.53°)

SACRAMENTO PEAK Hα



2005 UT

ESSA-BOULDER SUNSPOTS

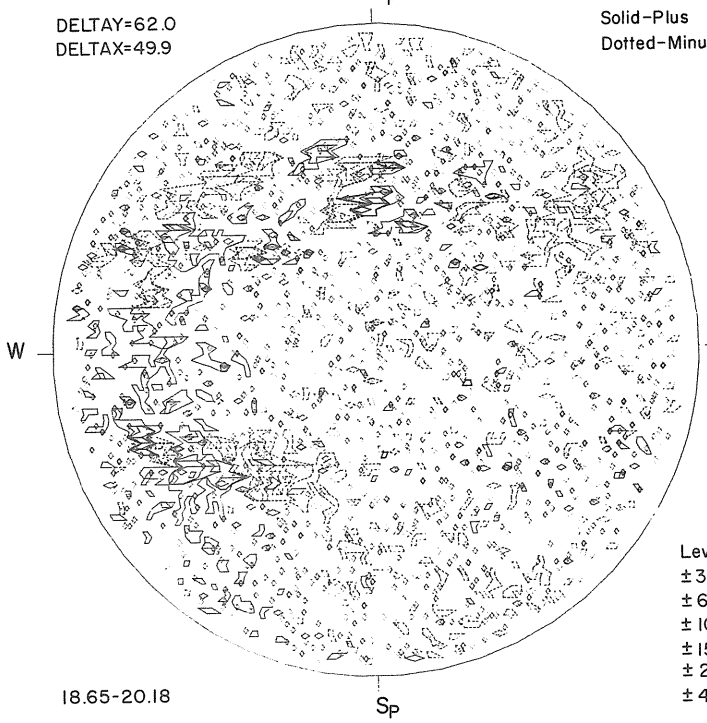


1630 UT

MT. WILSON MAGNETOGRAM

DELTAY=62.0
DELTAX=49.9

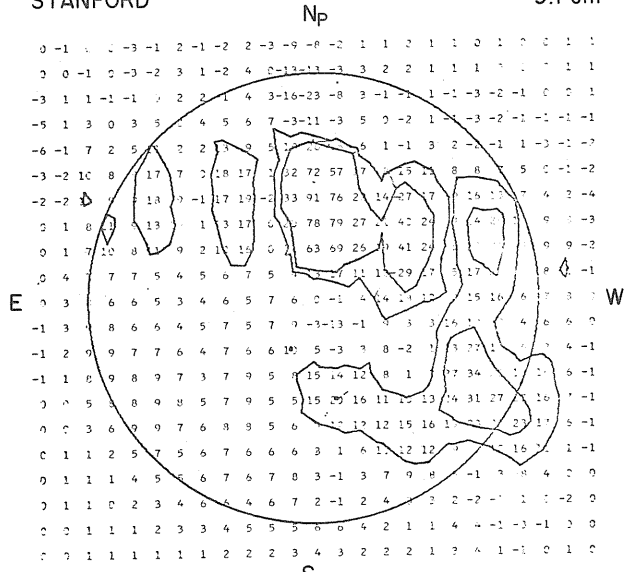
Solid-Plus
Dotted-Minus



Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

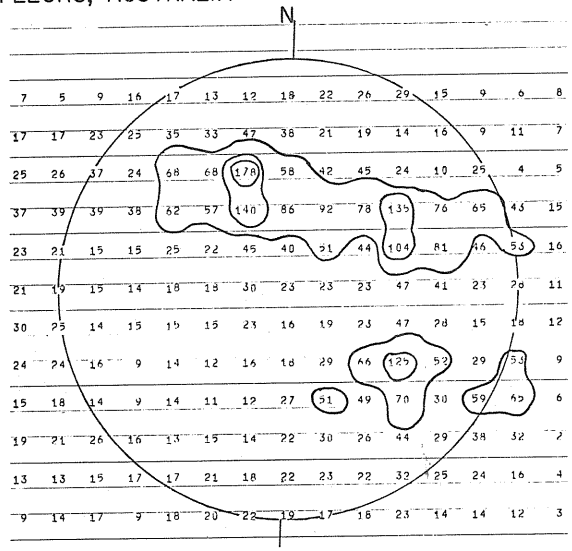
18.65-20.18

STANFORD 9.1 cm



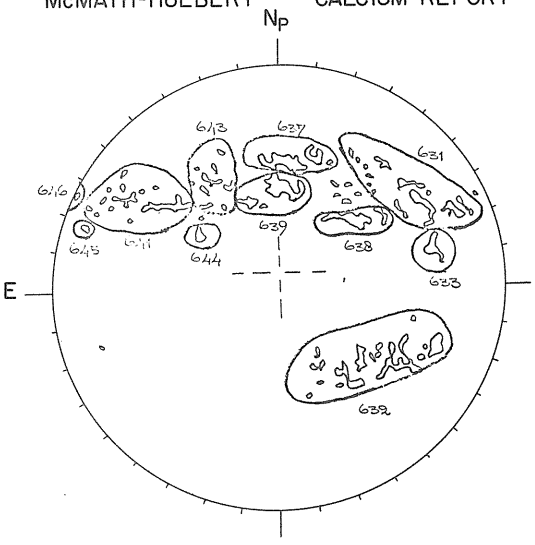
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



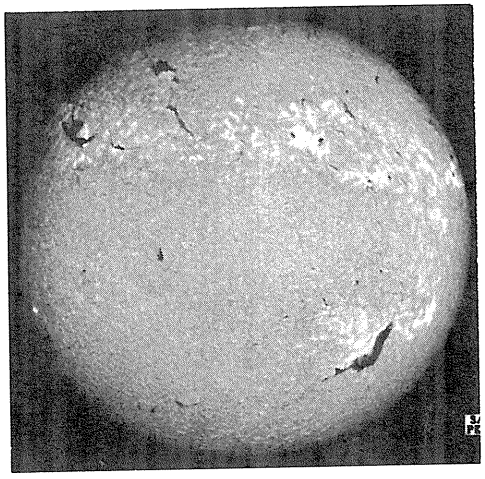
31-50-2.5
32-55-3
37-30-3
38-19-3
39-26-3.5
43-11 2.5
45-02-2.5

1540 UT

43 Jan 67

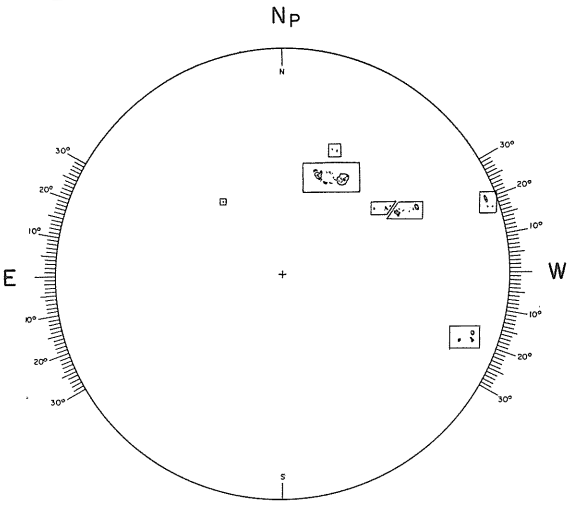
JANUARY 10, 1967 (L_0=214.52°, B_0=-4.02°, P= -2.02°)

SACRAMENTO PEAK Hα



1914 UT

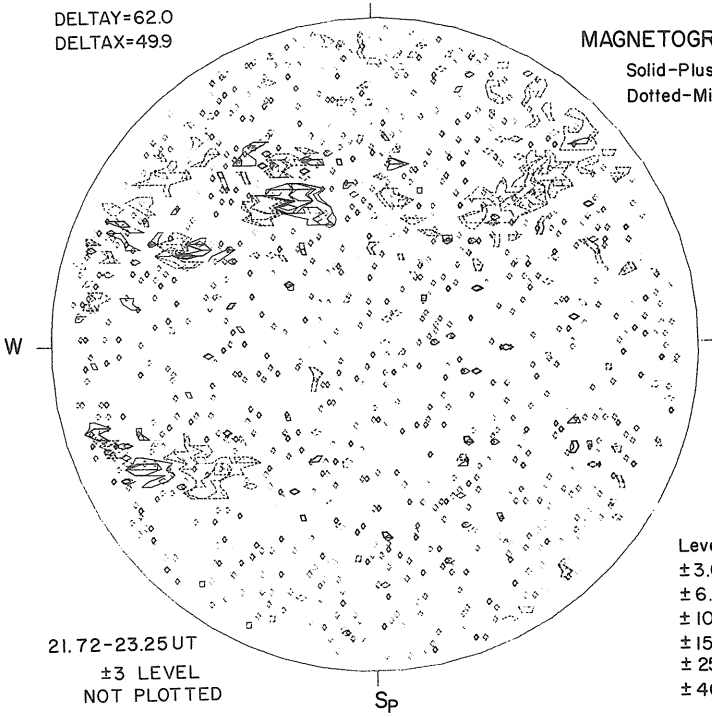
ESSA-BOULDER SUNSPOTS



1600 UT

MT. WILSON
DELTAY=62.0
DELTAX=49.9

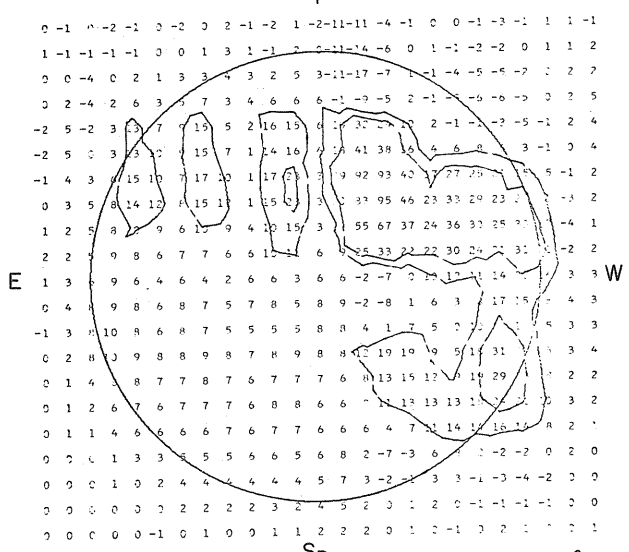
MAGNETOGRAM
Solid-Plus
Dotted-Minus



21.72-23.25 UT
±3 LEVEL
NOT PLOTTED

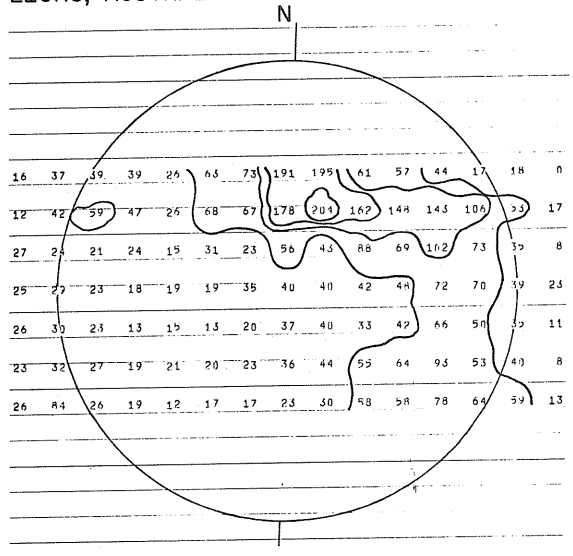
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



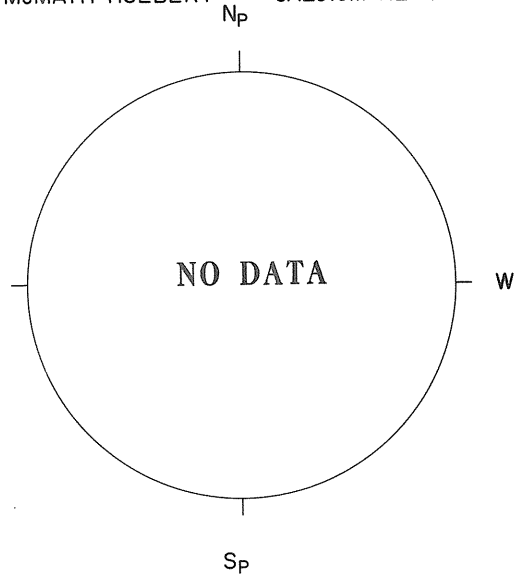
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

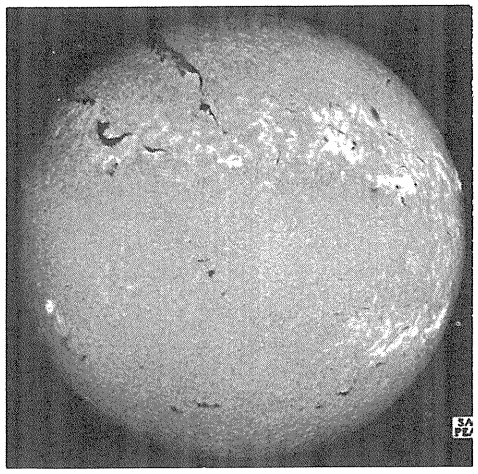
McMATH-HULBERT CALCIUM REPORT



JANUARY 11, 1967 (L_0=201.35°, B_0=-4.13°, P=-2.50°)

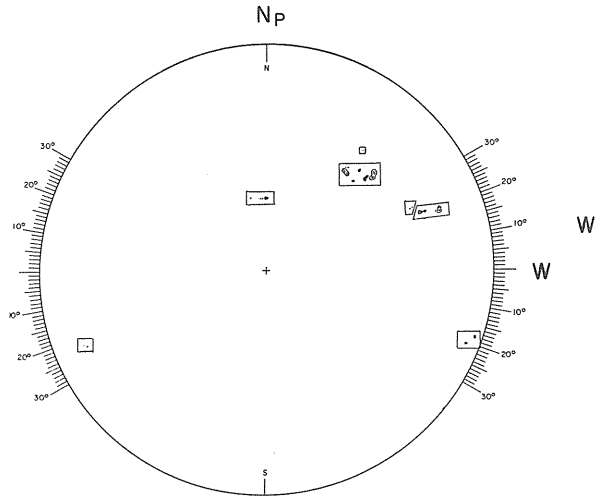
MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

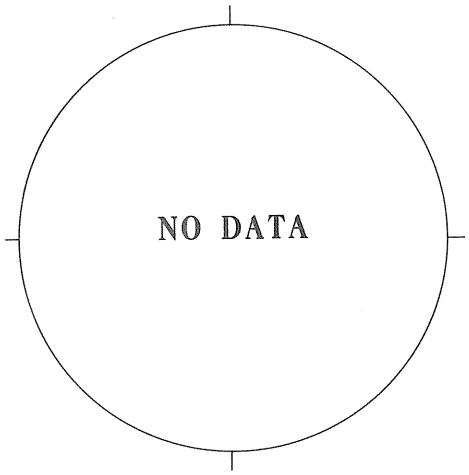


N
E W
S
1518 UT

ESSA-BOULDER SUNSPOTS

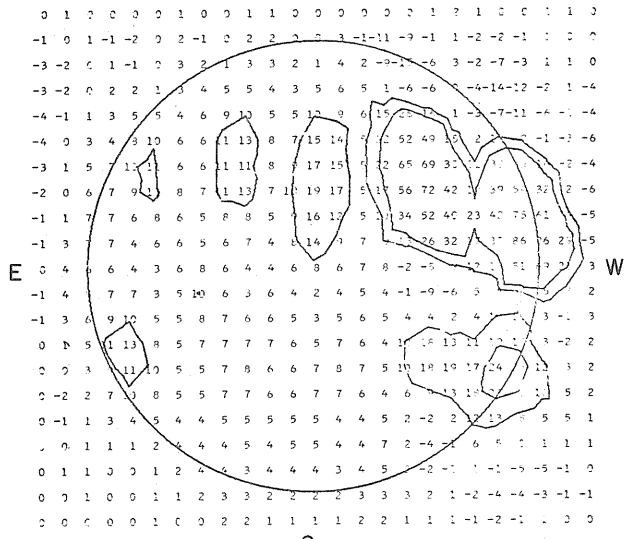


N_P
E W
S_P
1530 UT



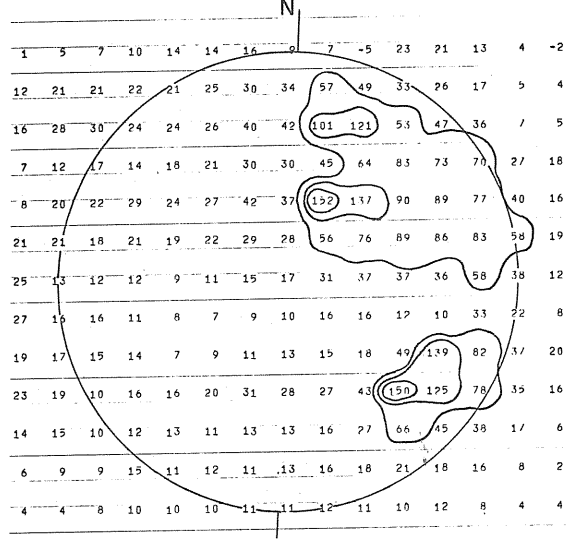
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



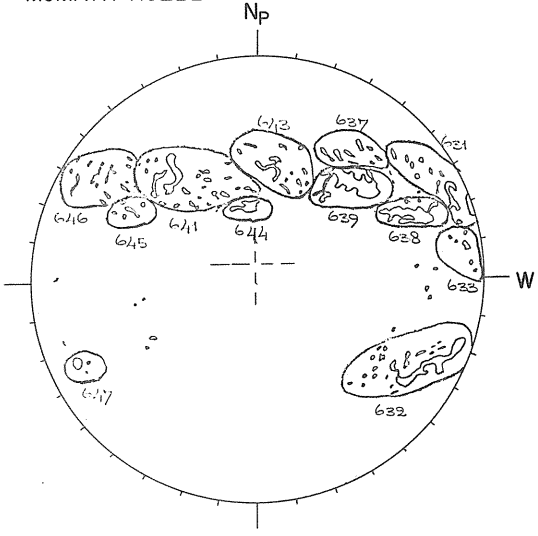
N_P
E W
S_P
20-21 UT
Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



N
W E
S
Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

S_P
McMATH-HULBERT CALCIUM REPORT



N_P
W E
S_P
1620 UT

31-47- 3
32-51-3.5
33-09-2.5
37-15 2.5
38-24- 3
39-32- 3
41-30-2.5
44-07- 3
47-08-3.5

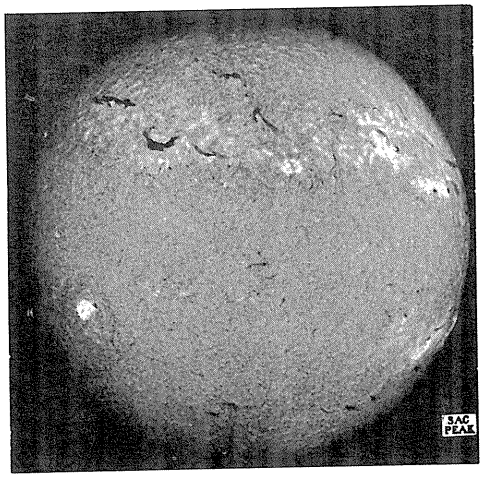
45
Jan 67

JANUARY 12, 1967 (L_0=188.19°, B_0=-4.23°, P=- 2.97°)

SACRAMENTO PEAK Hα

N

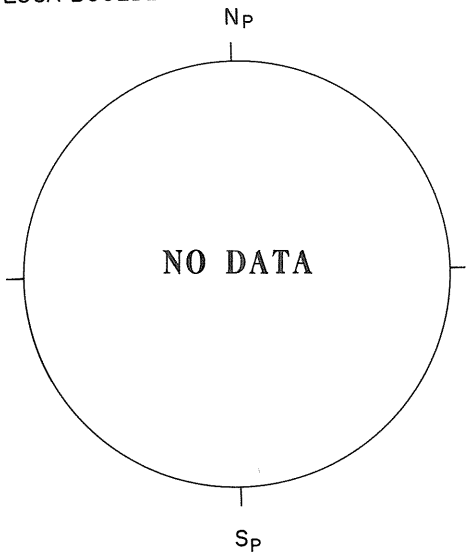
E W E



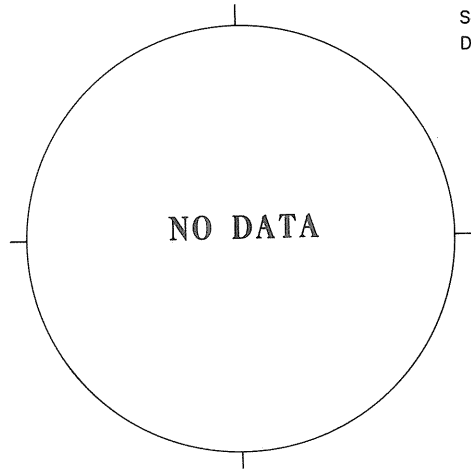
S

1631 UT

ESSA-BOULDER SUNSPOTS



MT. WILSON



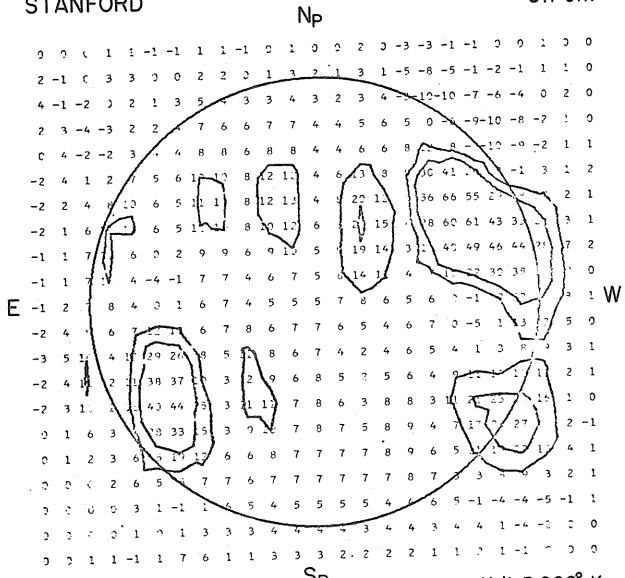
MAGNETOGRAM

Solid-Plus

Dotted-Minus

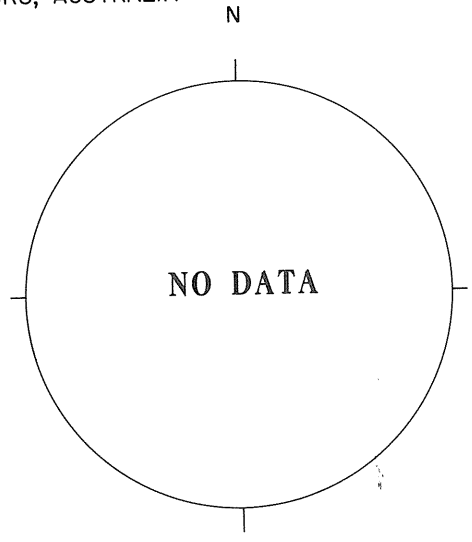
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



20-21 UT Brightness Unit 5,000° K

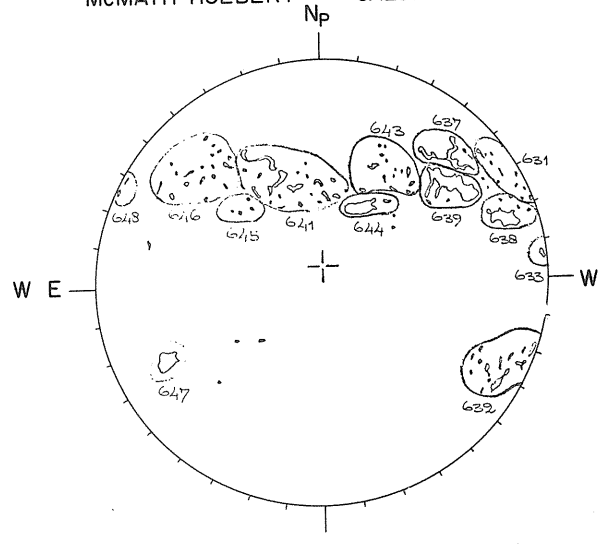
FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc

02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



1430 UT

31-13- 2
32-28- 3
37-18-2.5
38-22- 3
39-36- 3
41-29-2.5
44-10- 3
45-04- 2
47-16- 4

JANUARY 13, 1967 (L_0=175.02°, B_0=-4.34°, P=- 3.45°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

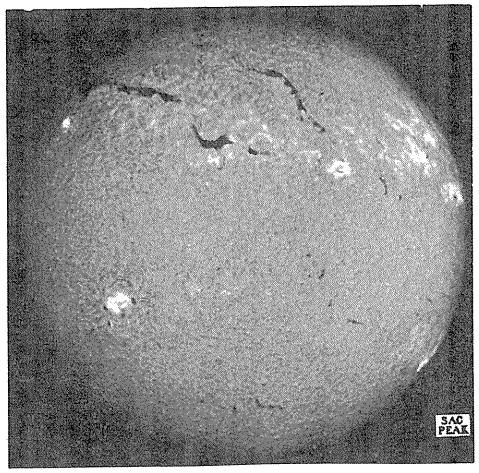
SACRAMENTO PEAK Hα

N

E W

S

1618 UT



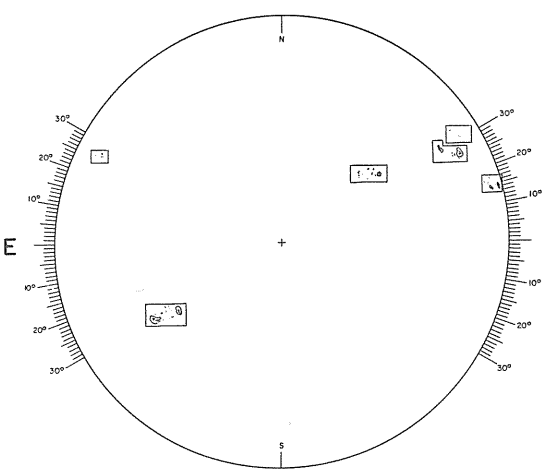
ESSA-BOULDER SUNSPOTS

N_P

W E W

S_P

1545 UT



NO DATA

E

S_P

Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm

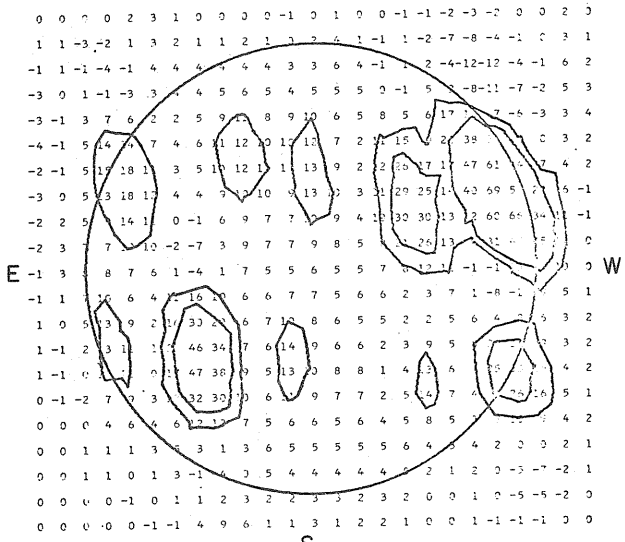
N_P

E W E

S_P

20-21 UT

Brightness Unit 5,000° K



FLEURS, AUSTRALIA 21 cm

N

NO DATA

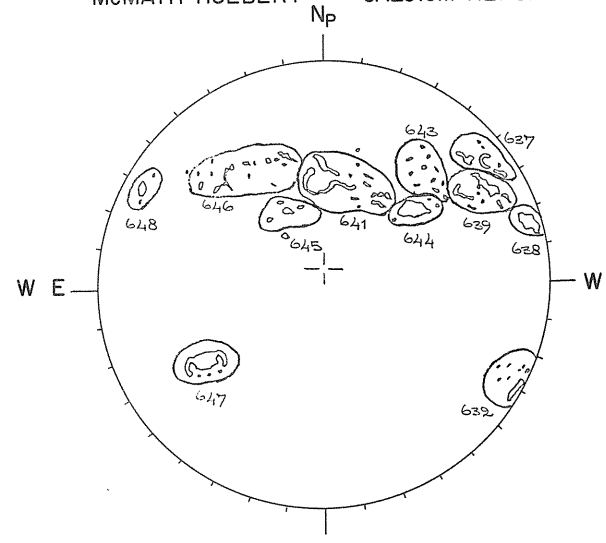
S

02-03 UT

Resolution 3 Minutes of Arc
Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

N_P



W E W

S_P

1510 UT

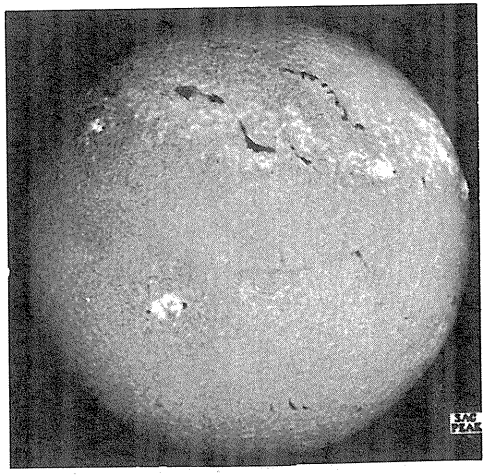
32-21-3.5
37-17-3
38-23-3
39-25-3
44-14-3.5
47-19-3.5
48-10-3.5

47
Jan 67

MT. WILSON N_F

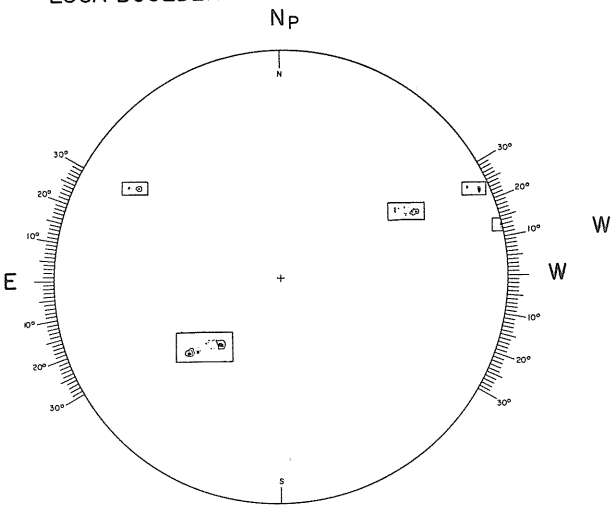
JANUARY 14, 1967 (L_0=161.85°, B_0=-4.44°, P=- 3.93°)

SACRAMENTO PEAK Hα



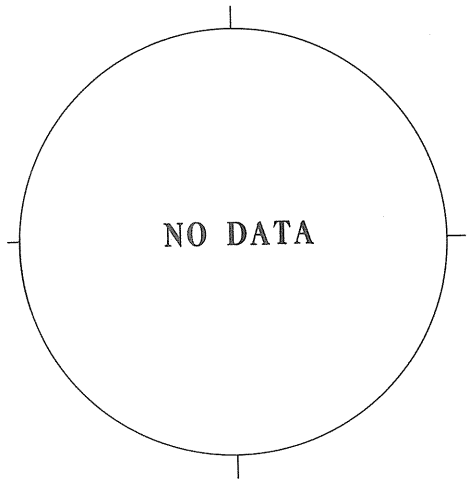
1521 UT

ESSA-BOULDER SUNSPOTS



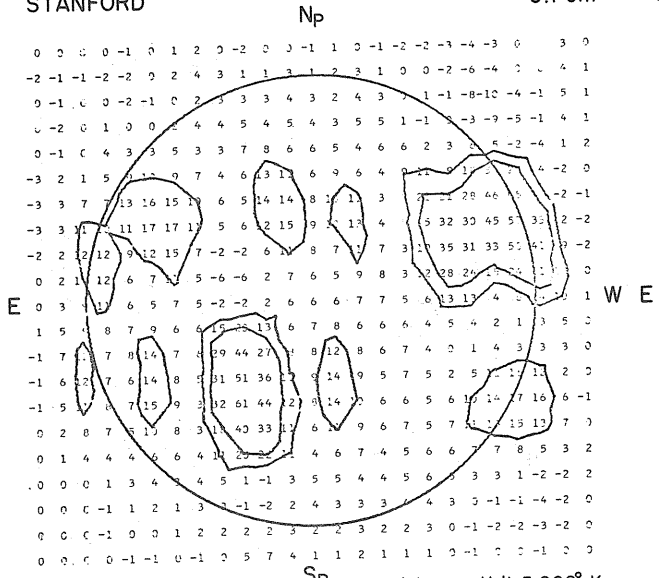
1516 UT

MAGNETOGRAM
Solid-Plus
Dotted-Minus



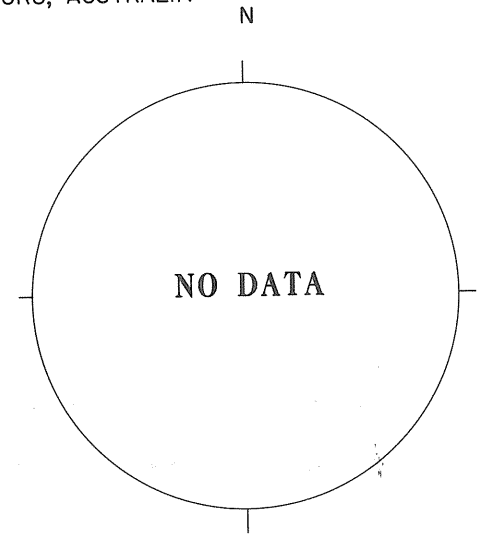
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



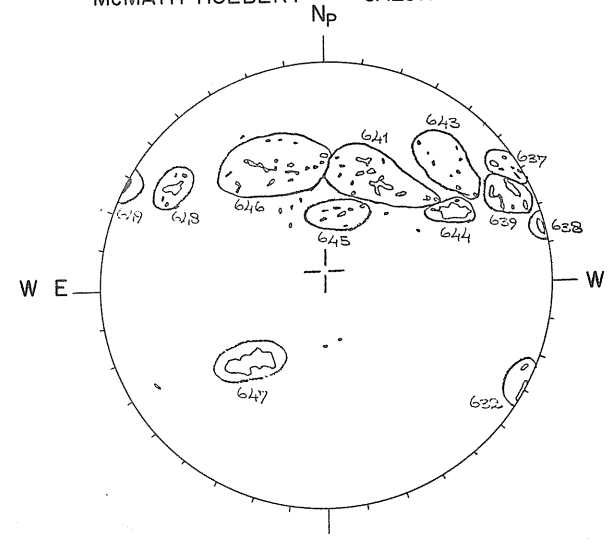
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

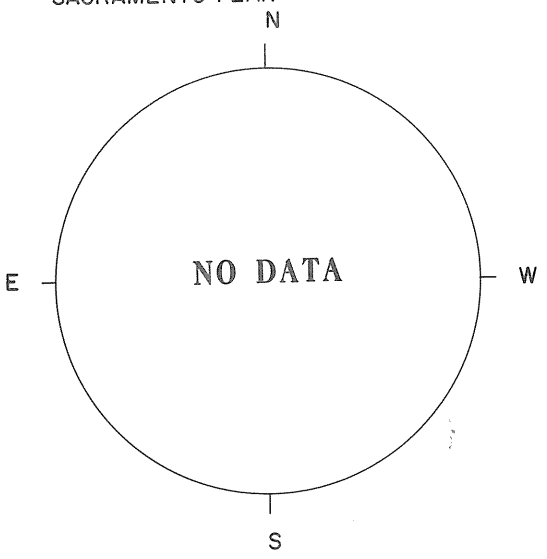


38-13-2.5
39-18-2.5
44-14-3
47-25-3.5
48-11-3

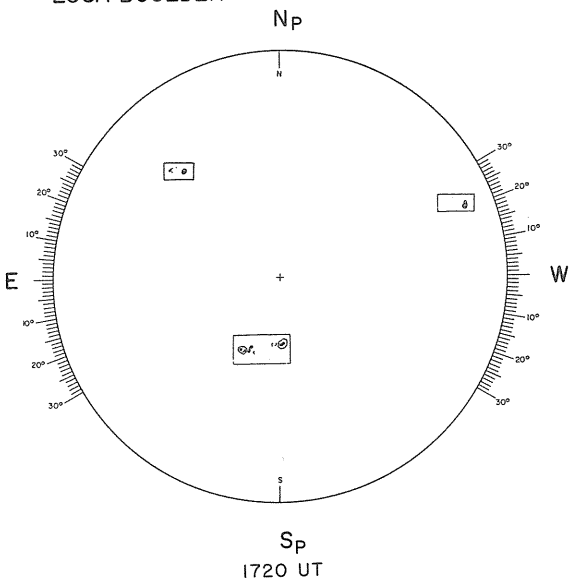
1545 UT

JANUARY 15, 1967 (L_0=148.68°, B_0=-4.54°, P=-4.40°)

SACRAMENTO PEAK Hα



ESSA-BOULDER SUNSPOTS

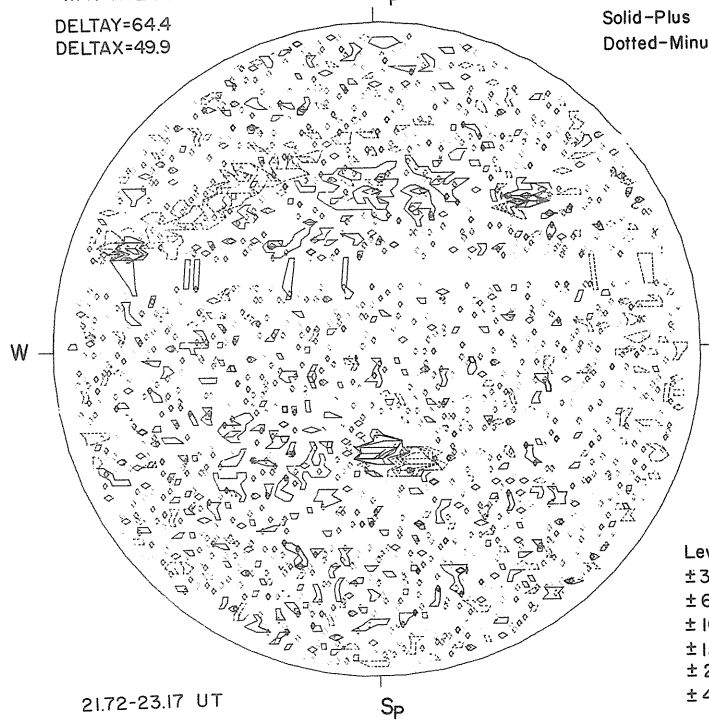


1720 UT

MT. WILSON MAGNETOGRAM

DELTAY=64.4
DELTAX=49.9

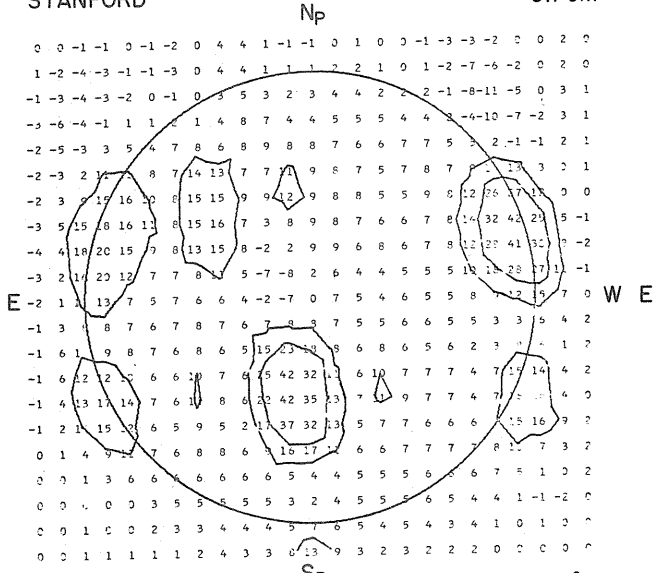
Solid-Plus
Dotted-Minus



21.72-23.17 UT

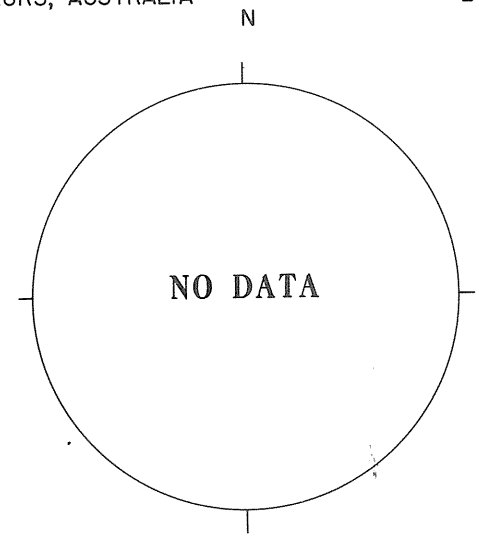
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



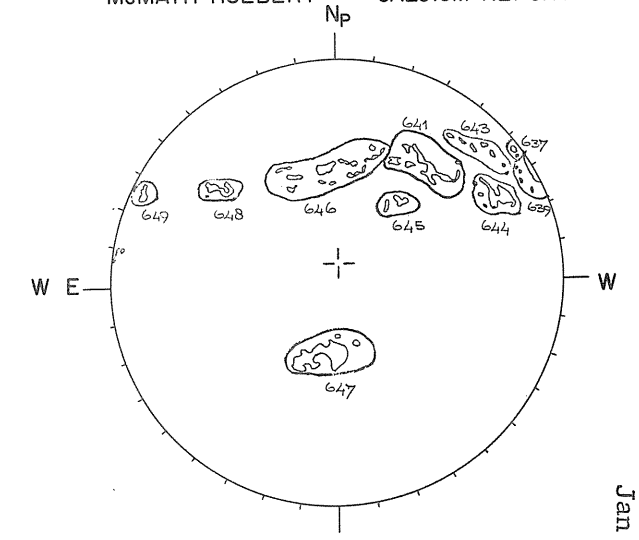
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

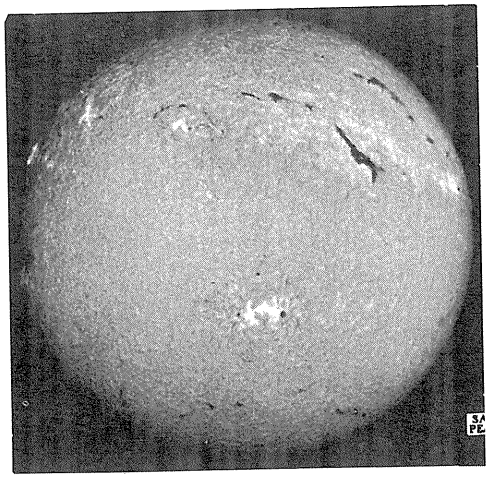


1855 UT

44-15-2.5
47-25- 3
48-10-2.5
49-10-2.5

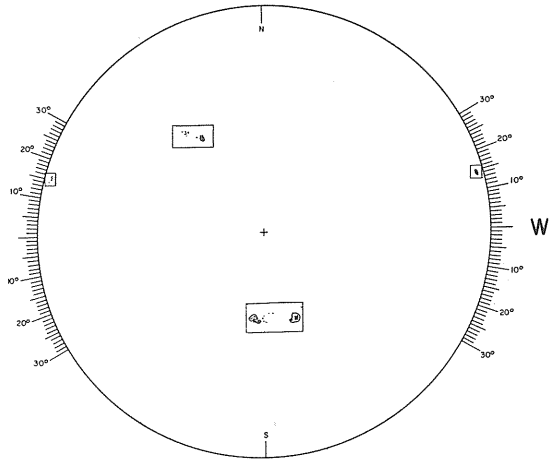
JANUARY 16, 1967 (L_0=135.52°, B_0=-4.64°, P=-4.87°)

SACRAMENTO PEAK Hα



N
E W
S
1601 UT

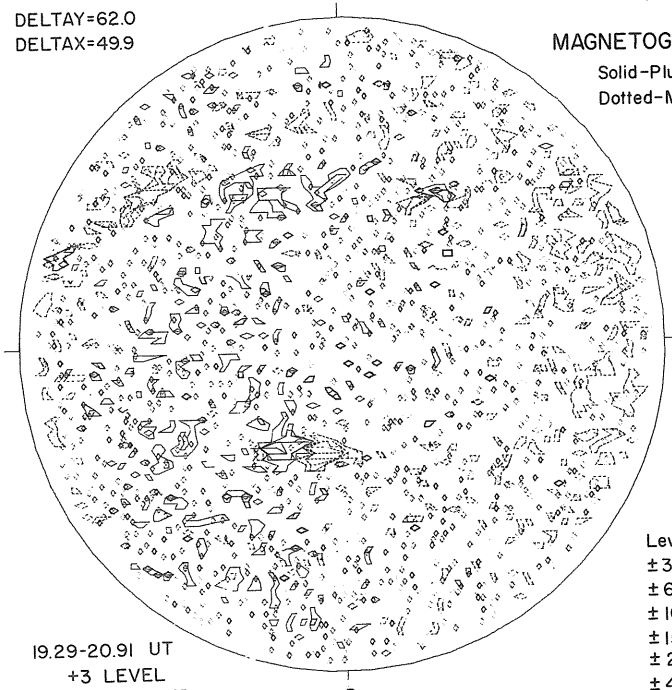
ESSA-BOULDER SUNSPOTS



N_P
E W
S_P
1935 UT

MT. WILSON
DELTAY=62.0
DELTAX=49.9

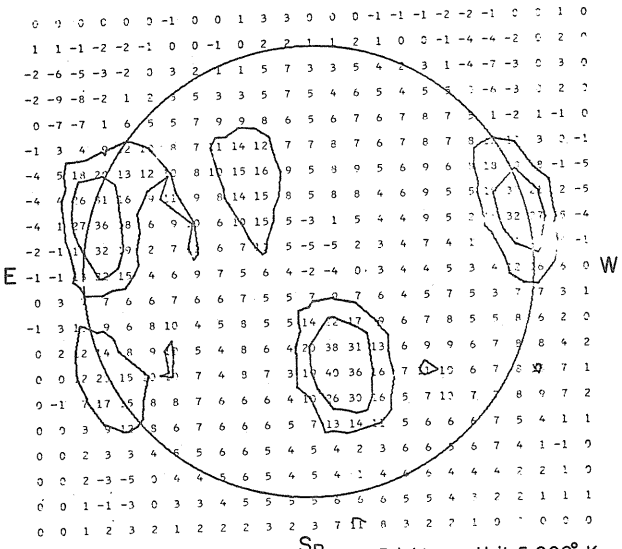
MAGNETOGRAM
Solid-Plus
Dotted-Minus



N_P
W E
S_P
19.29-20.91 UT
+3 LEVEL
NOT PLOTTED

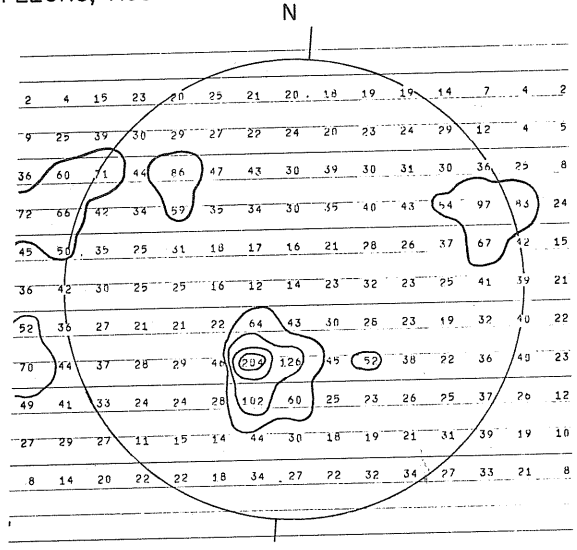
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



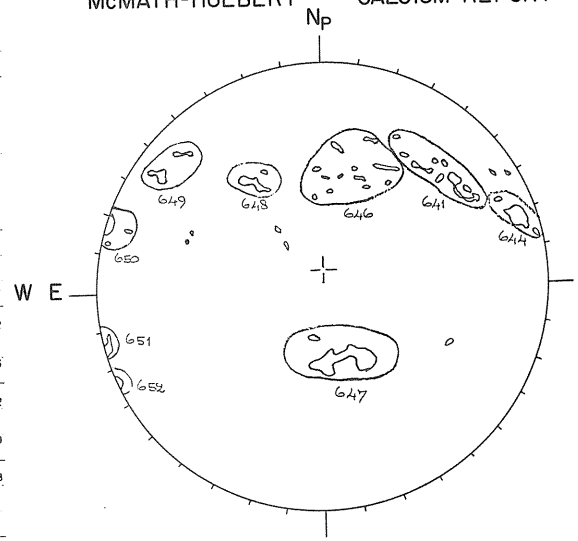
N_P
E W
S_P
20-21 UT
Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



N
W E
S
Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



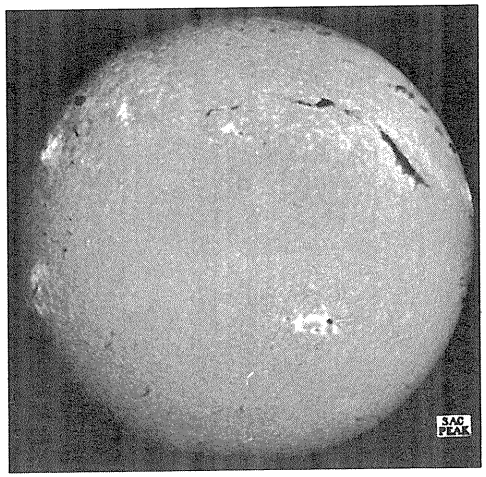
N_P
W E
S_P
1355 UT

44-25- 3
47-27- 3
48-10- 3
49-13- 3
50-25-3.5

JANUARY 17, 1967

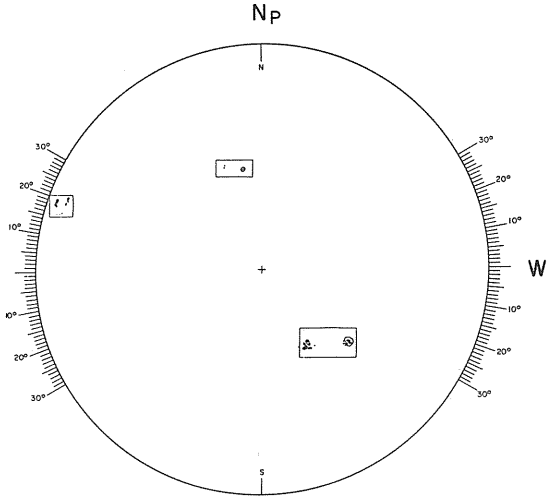
$(L_0 = 122.35°,\ B_0 = -4.74°,\ P = -5.34°)$

SACRAMENTO PEAK — Hα



1651 UT

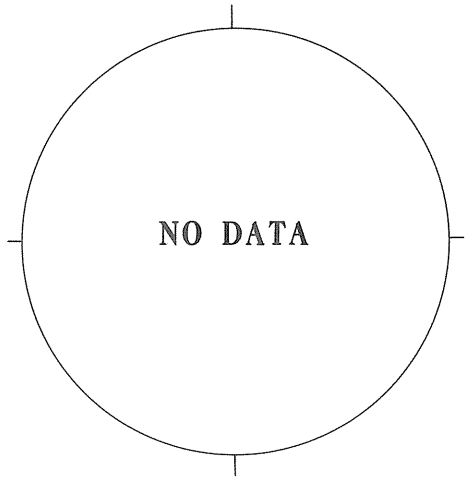
ESSA-BOULDER — SUNSPOTS



1615 UT

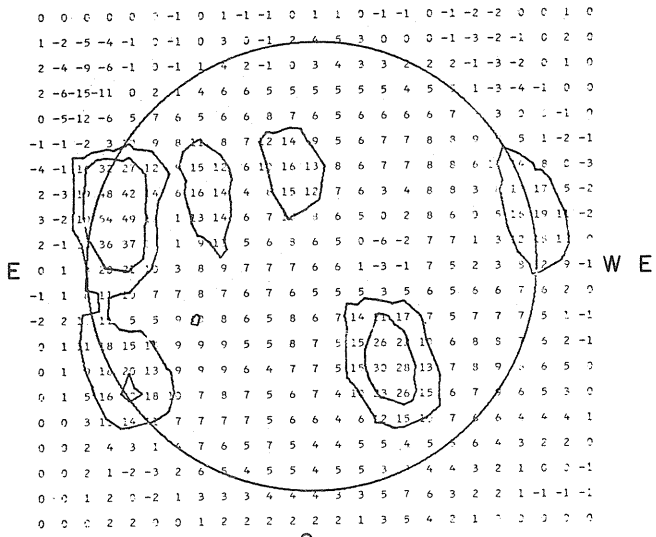
MT. WILSON — MAGNETOGRAM

Solid–Plus
Dotted–Minus



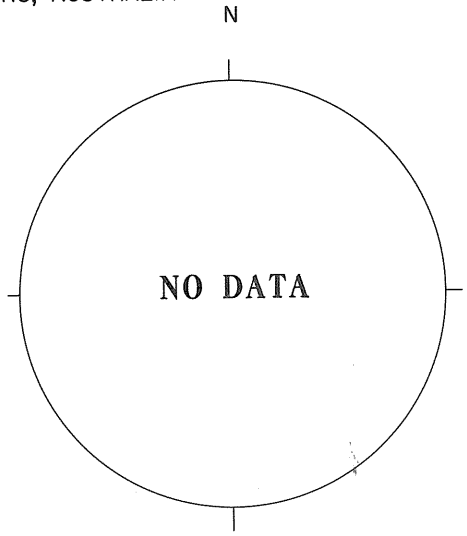
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD — 9.1 cm



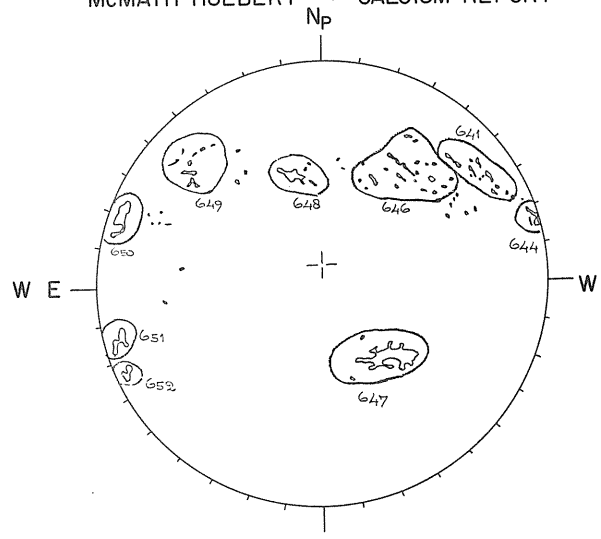
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA — 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT — CALCIUM REPORT



1550 UT

44-15-3
47-26-3.5
48-09-3
49-10-2.5
50-21-3.5
51-18-3

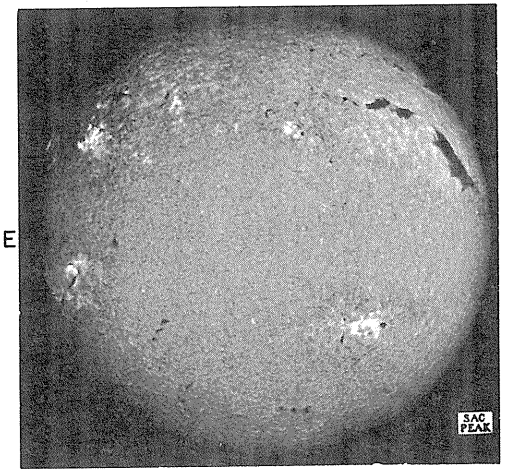
51
Jan 67

JANUARY 18, 1967 (L_0=109.18°, B_0=-4.83° P=-5.80°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

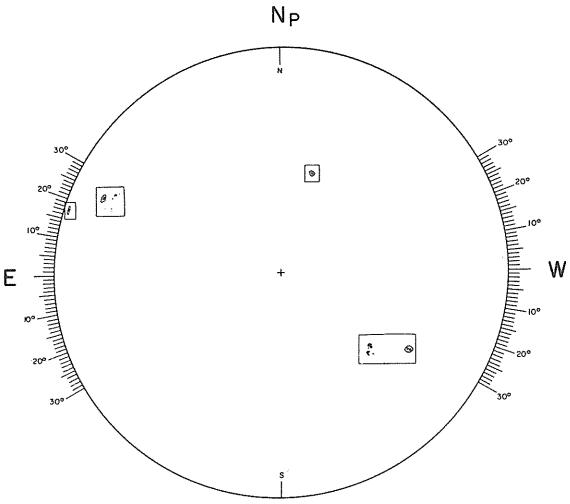
52
Jan 67

SACRAMENTO PEAK Hα

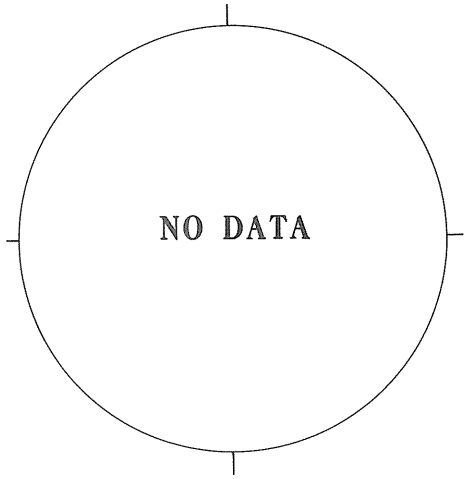


1529 UT

ESSA-BOULDER SUNSPOTS



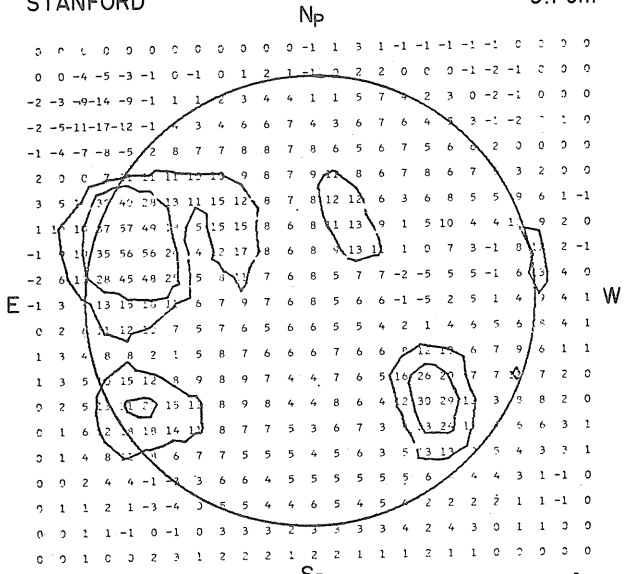
1800 UT



Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

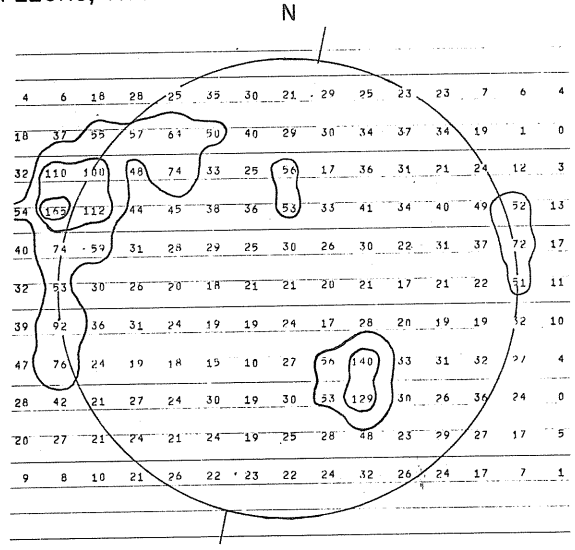
S_P

STANFORD 9.1 cm



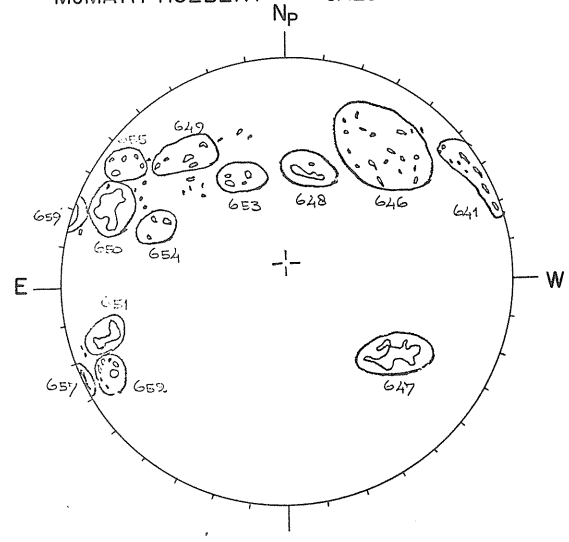
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

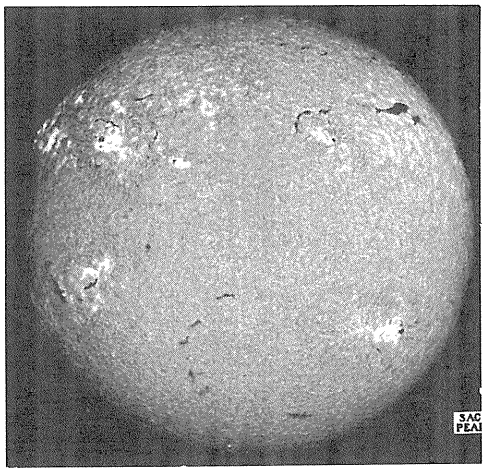


1400 UT

47-26-3
48-10-2.5
49-09-2.5
50-38-3
51-20-3
54-03-2.5
59-15-3

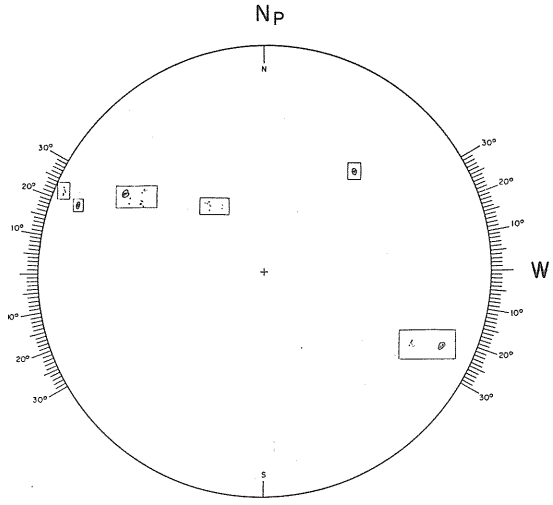
JANUARY 19, 1967 (L_0=96.01°, B_0=-4.93°, P=-6.26°)

SACRAMENTO PEAK Hα



1549 UT

ESSA-BOULDER SUNSPOTS

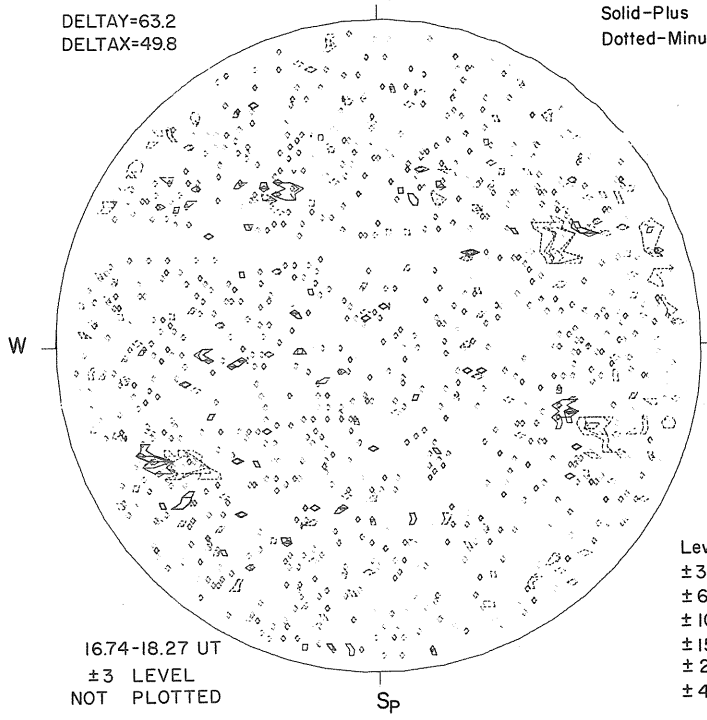


2130 UT

MT. WILSON MAGNETOGRAM

DELTAY=63.2
DELTAX=49.8

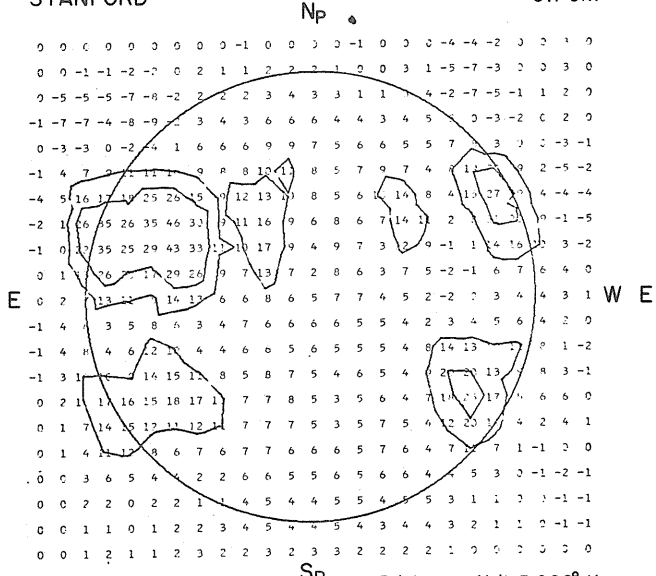
Solid-Plus
Dotted-Minus



16.74-18.27 UT
±3 LEVEL
NOT PLOTTED

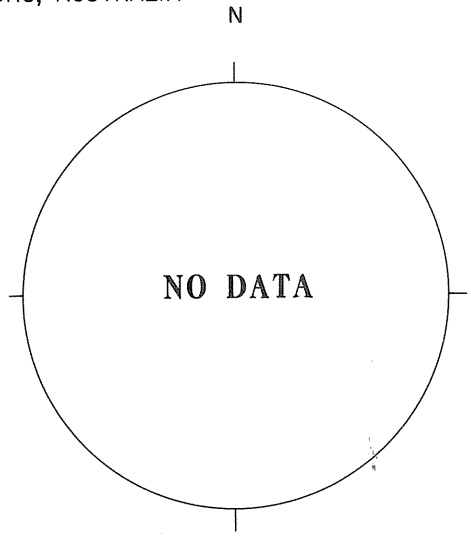
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



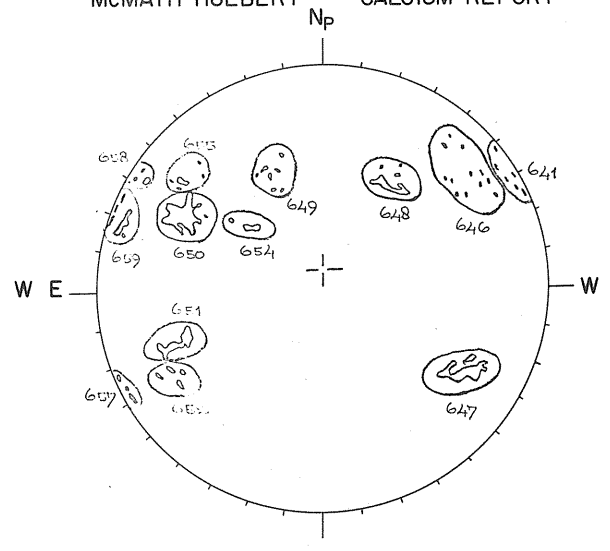
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



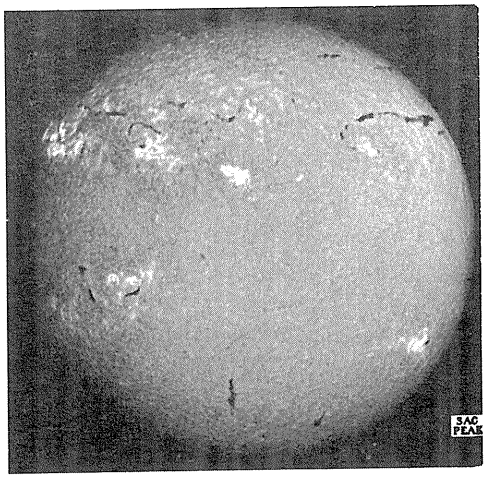
1450 UT

47-24- 3
48-10-2.5
50-39- 3
51-19- 3
52-06-2.5
54-04-2.5
55-05-2.5
59-31 - 3

53
Jan 67

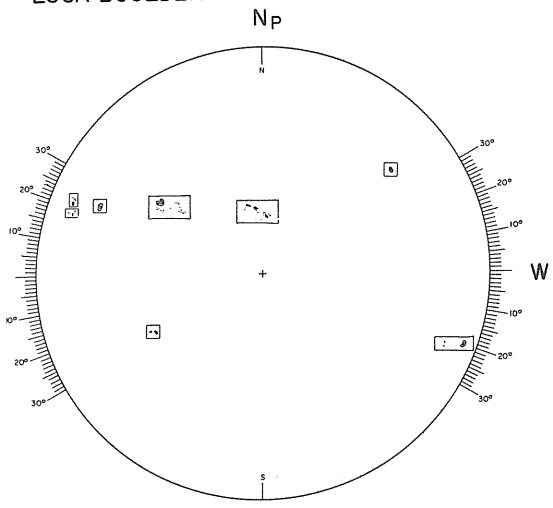
JANUARY 20, 1967 (L_0=82.85°, B_0=-5.02°, P=-6.72°)

SACRAMENTO PEAK Hα



1608 UT

ESSA-BOULDER SUNSPOTS

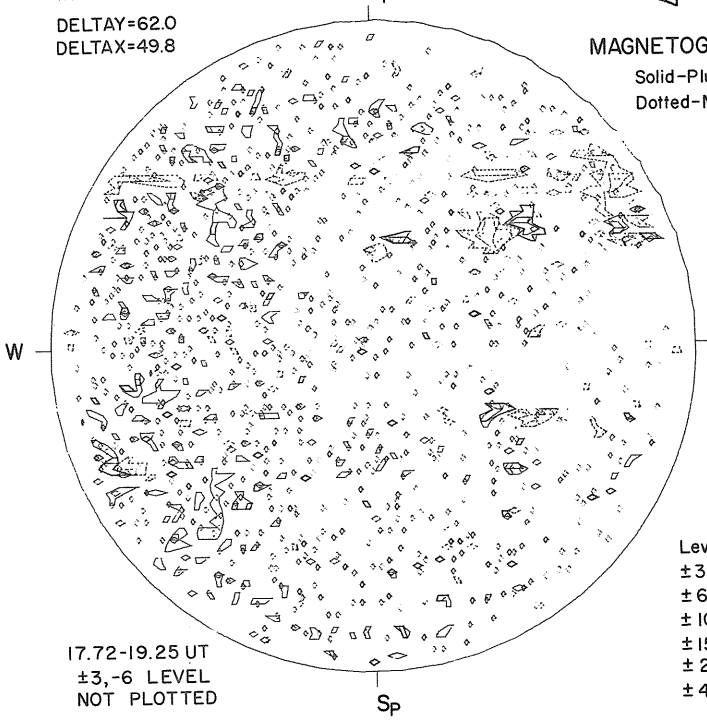


2015 UT

MT. WILSON

DELTAY=62.0
DELTAX=49.8

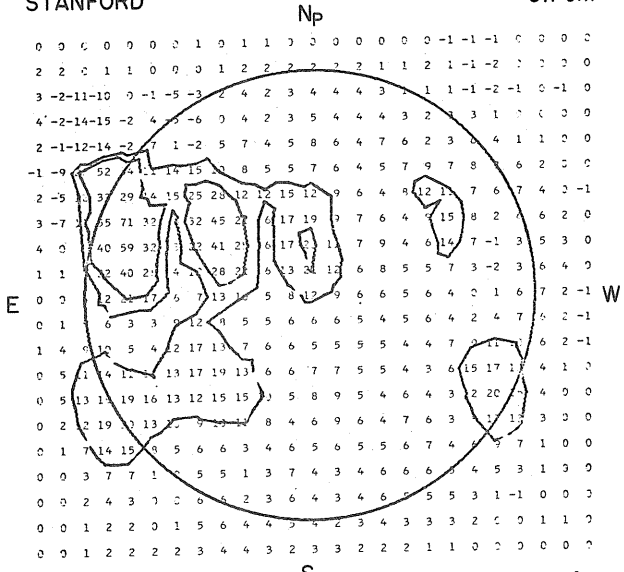
MAGNETOGRAM
Solid-Plus
Dotted-Minus



17.72-19.25 UT
±3,-6 LEVEL
NOT PLOTTED

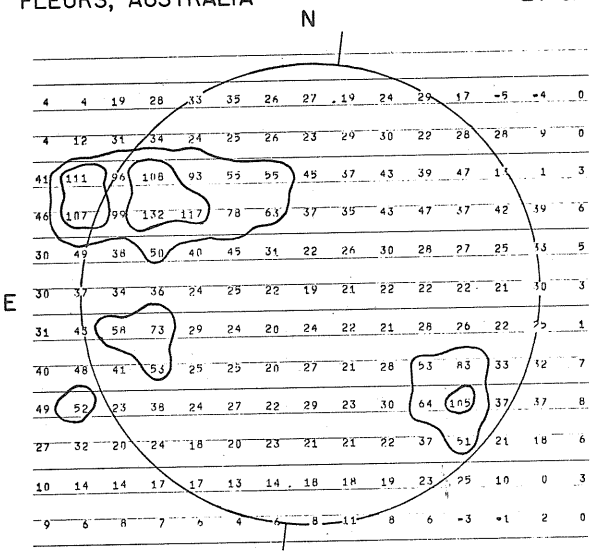
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



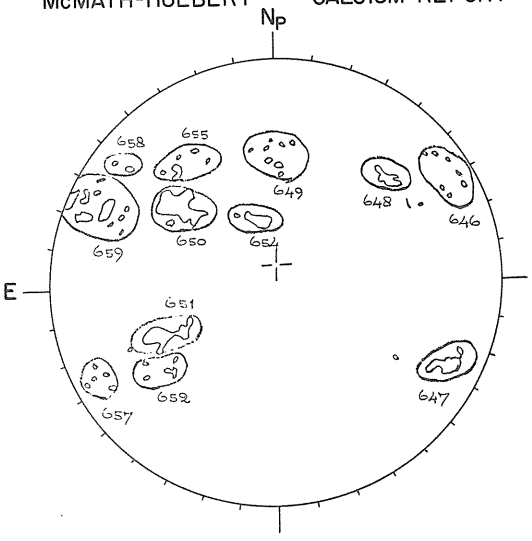
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

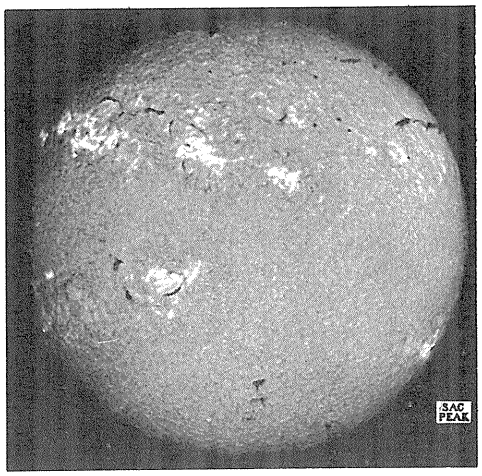


1445 UT

47-22- 3
48-10-2.5
50 42-3
51-23-3.5
52-05-2.5
54-10-3.5
55-09-2.5
58-08-2.5
59-66-3

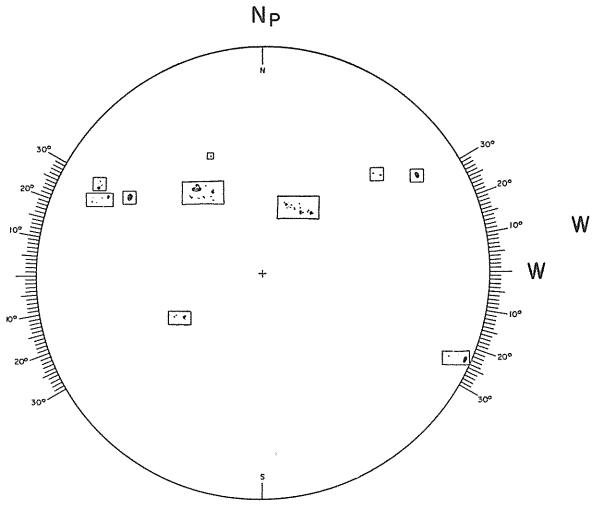
JANUARY 21, 1967 (L_0=69.68°, B_0=-5.12°, P=-7.18°)

SACRAMENTO PEAK Hα



1554 UT

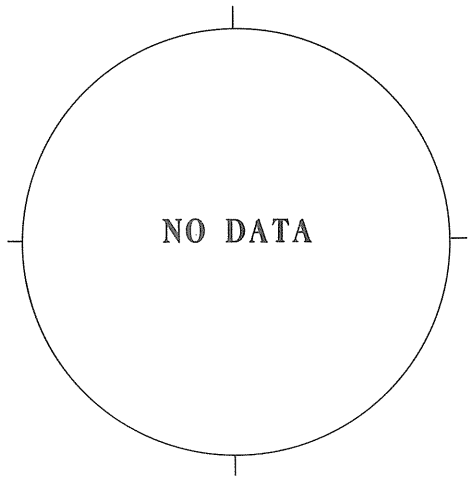
ESSA-BOULDER SUNSPOTS



1605 UT

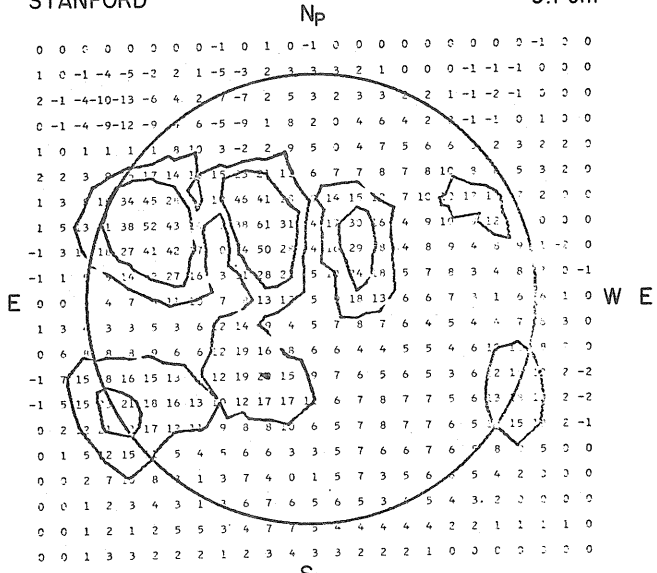
MT. WILSON NP MAGNETOGRAM

Solid-Plus
Dotted-Minus



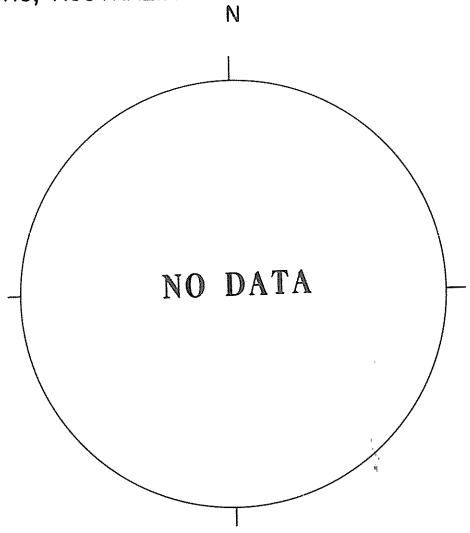
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



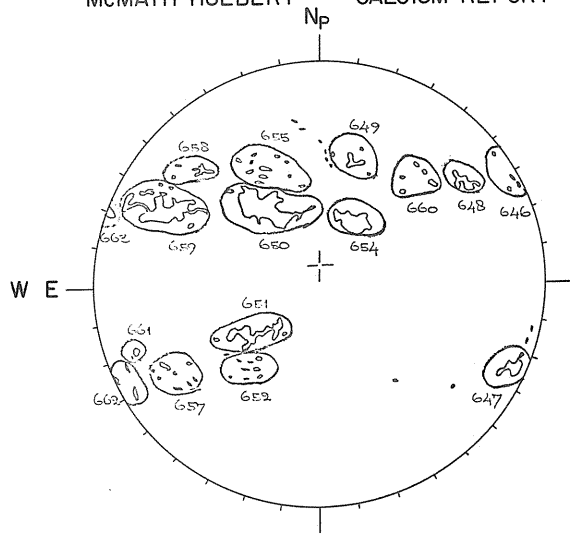
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



1435 UT

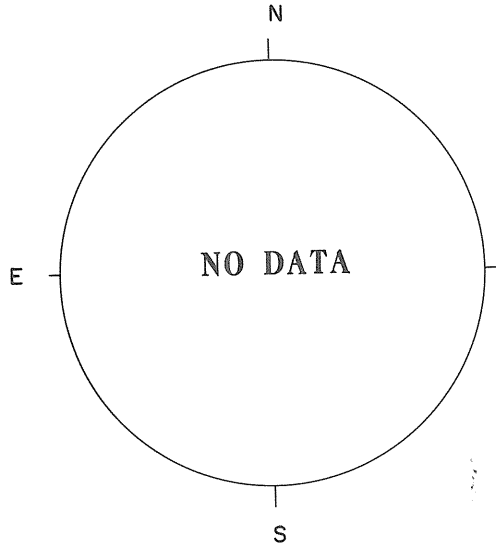
47-20-3
48-11-2.5
50-53-3
51-21-3
54-15-3
59-59-3
60-06-3
61-03-3
63-18-3

55
Jan 67

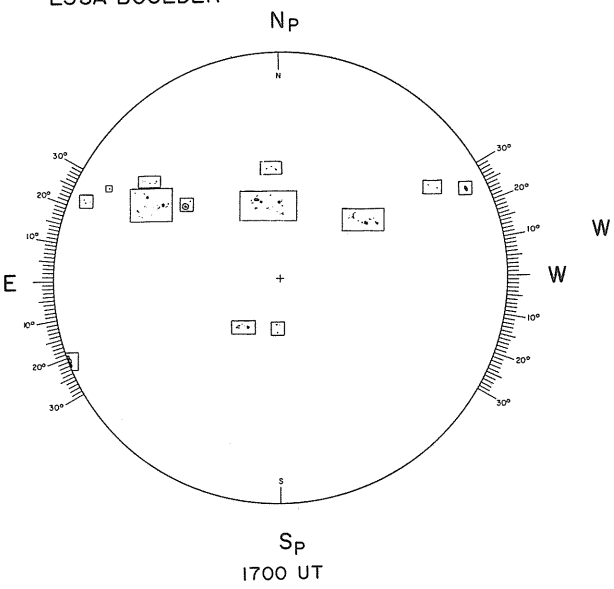
JANUARY 22, 1967 (L_0=56.51°, B_0=-5.21°, P=-7.63°)

56
Jan. 67

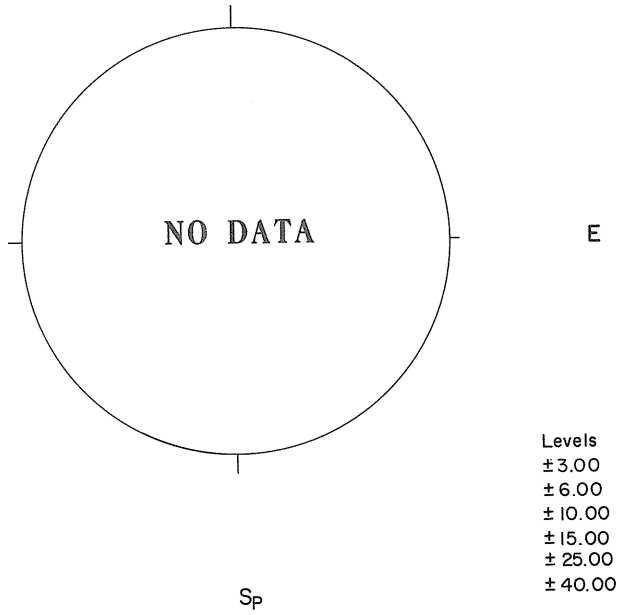
SACRAMENTO PEAK Hα



ESSA-BOULDER SUNSPOTS

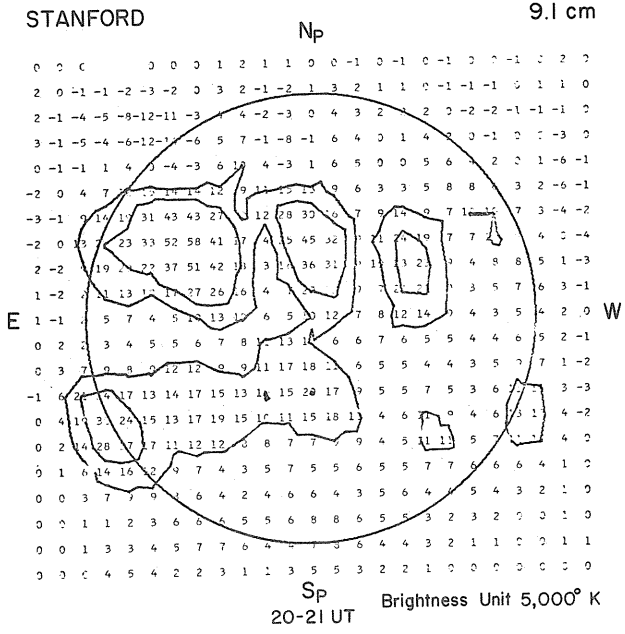


MT. WILSON NP MAGNETOGRAM
Solid-Plus
Dotted-Minus

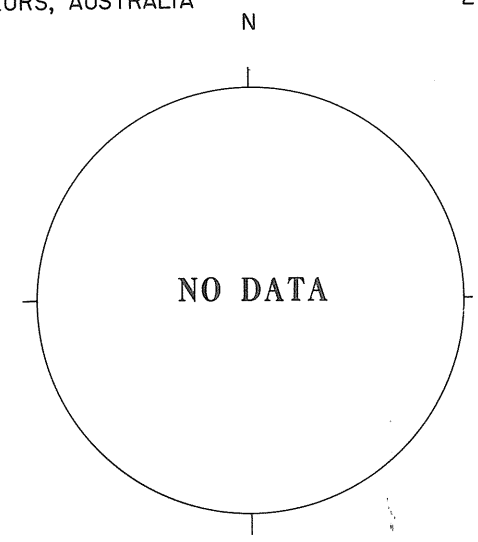


Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

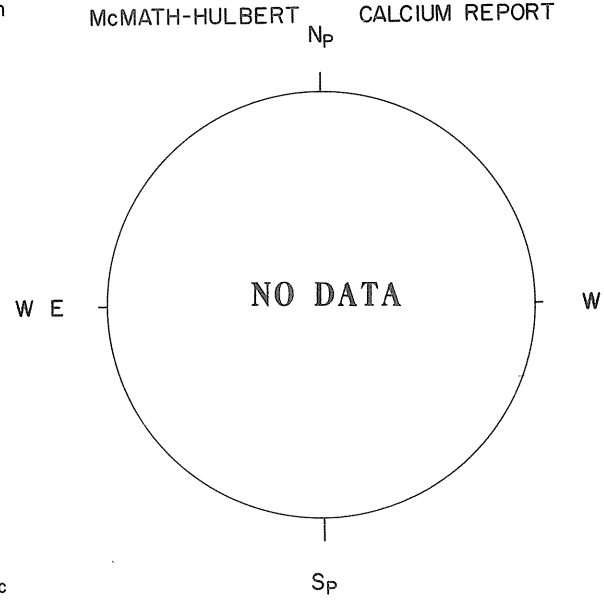
STANFORD 9.1 cm



FLEURS, AUSTRALIA 21 cm



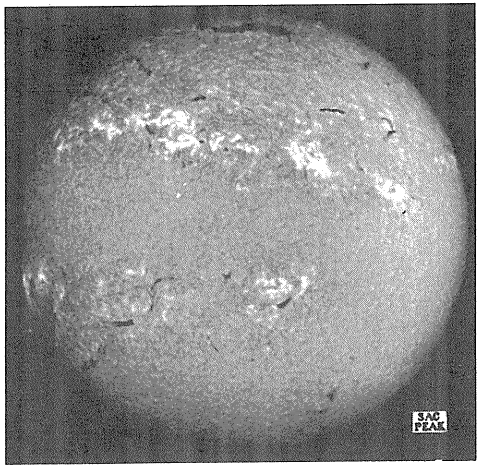
McMATH-HULBERT CALCIUM REPORT



JANUARY 23, 1967 (L_0=43.35°, B_0=-5.29°, P=-8.08°)

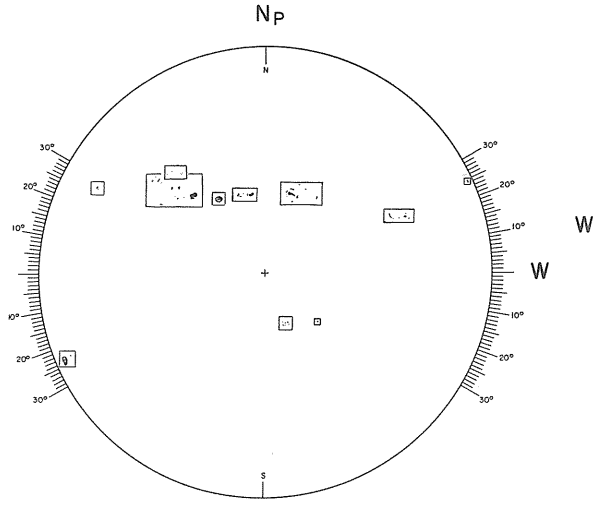
MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

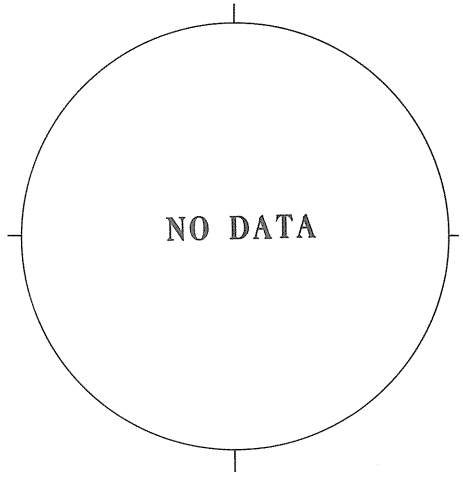


2217 UT

ESSA-BOULDER SUNSPOTS

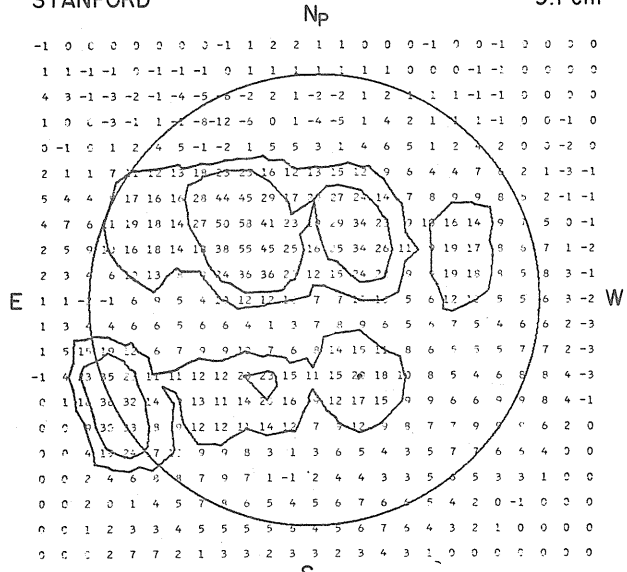


1600 UT



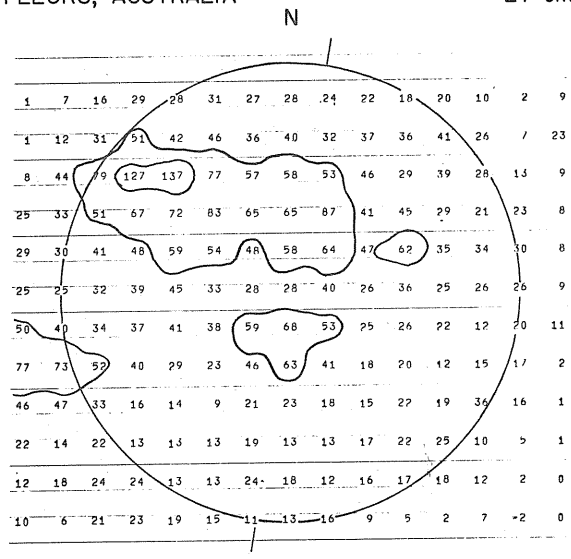
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



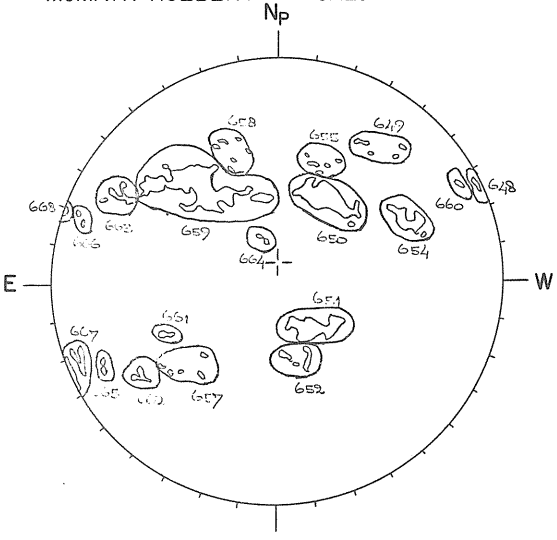
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



1633 UT

50-44-3
51-24-3
54-17-3
55-06-2.5
59-72-3
61-04-3
63-12-3
67-30-2.5

57
Jan 67

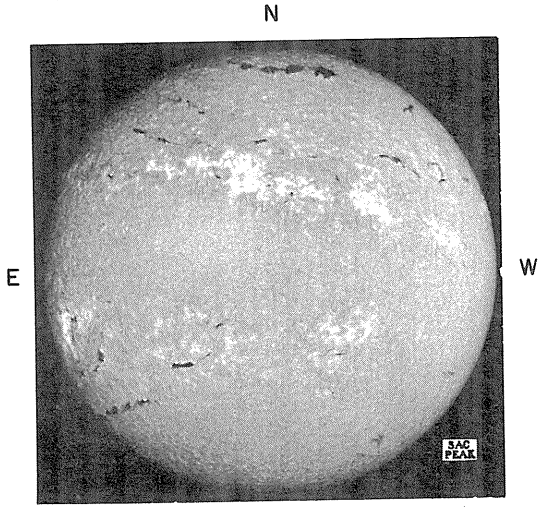
JANUARY 24, 1967 (L_0=30.18°, B_0=-5.38°, P=-8.53°)

MT. WILSON N_P

58 Jan 67

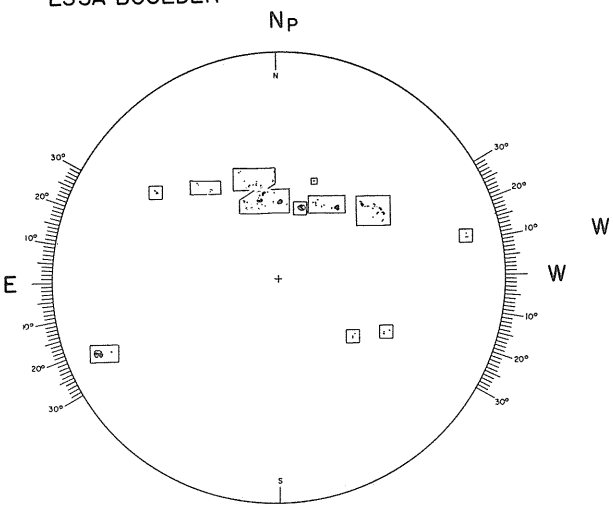
MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

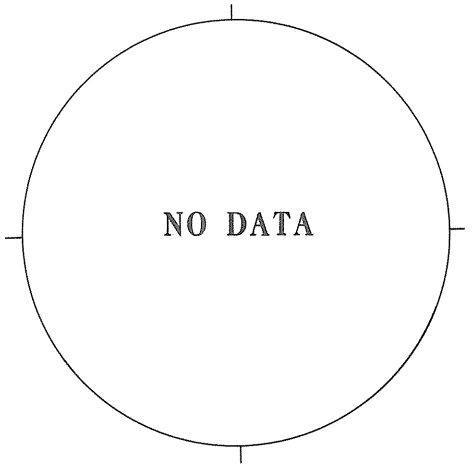


1626 UT

ESSA-BOULDER SUNSPOTS

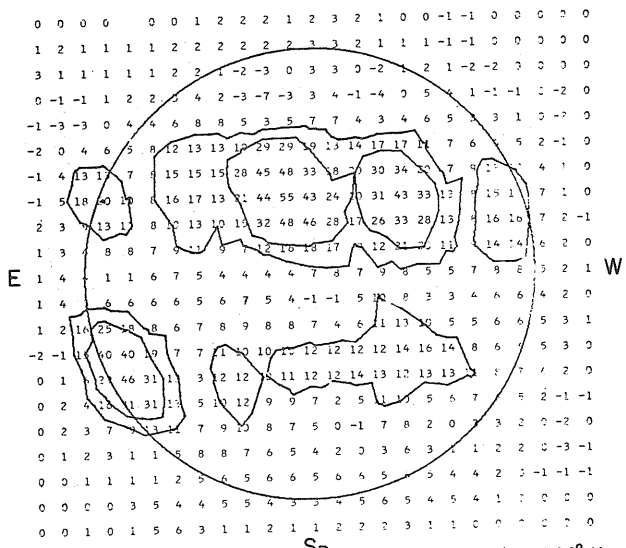


1950 UT



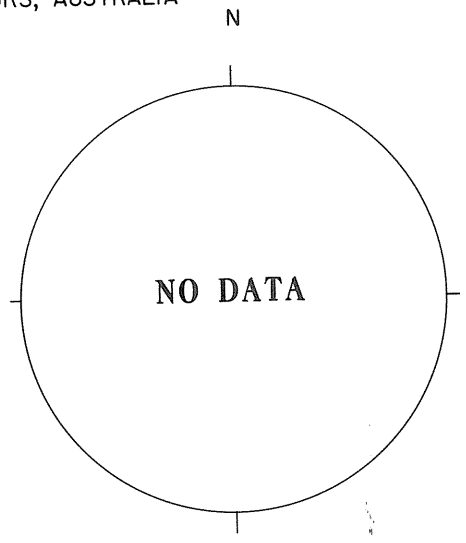
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



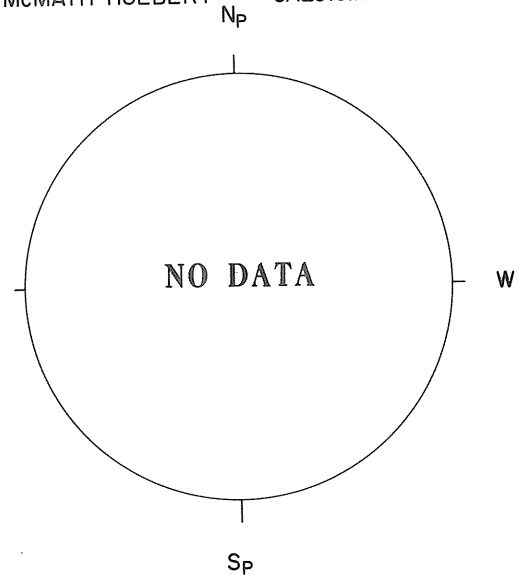
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

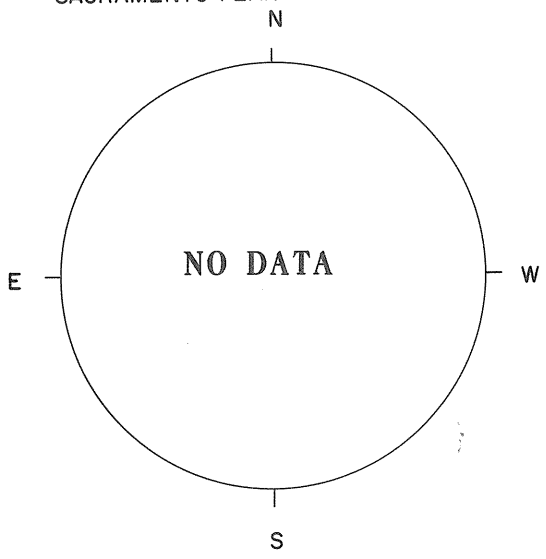
McMATH-HULBERT CALCIUM REPORT



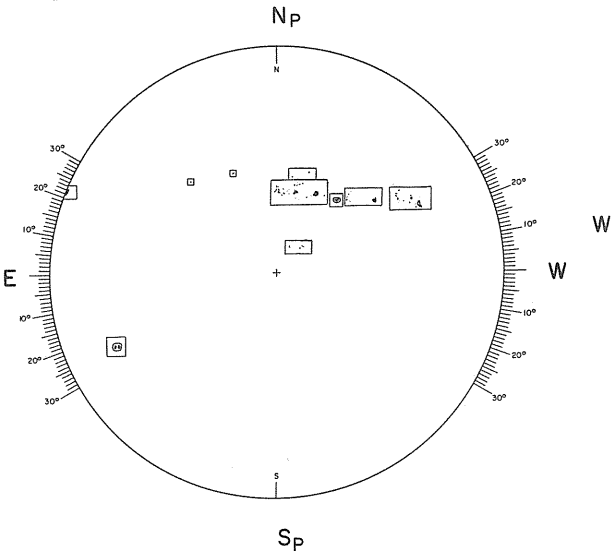
JANUARY 25, 1967 (L_0=17.01°, B_0=-5.47°, P=-8.97°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

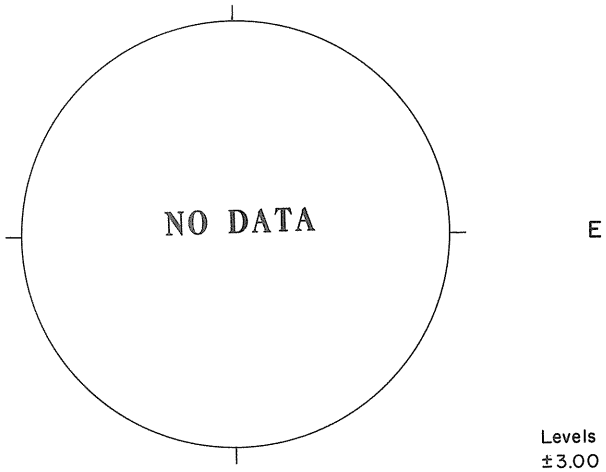
SACRAMENTO PEAK Hα



ESSA-BOULDER SUNSPOTS

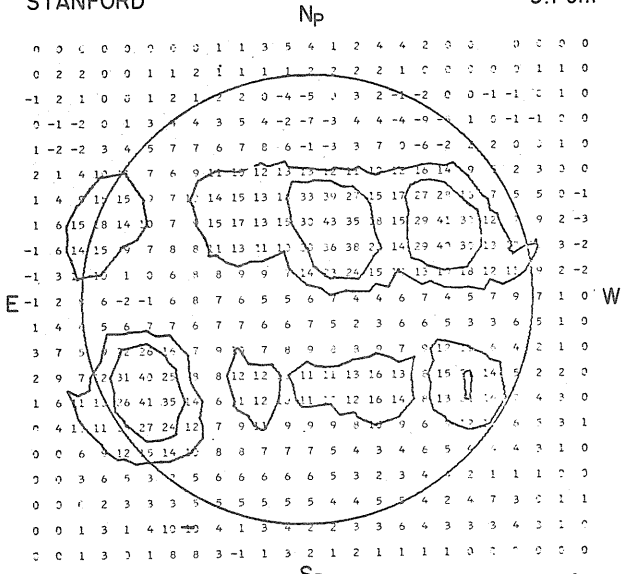


1954 UT



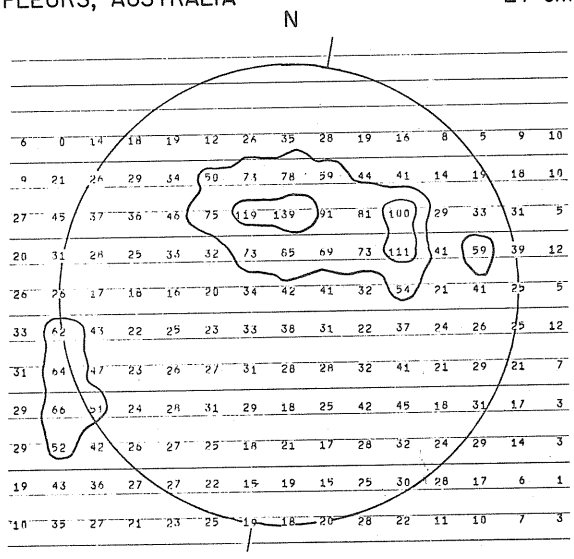
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



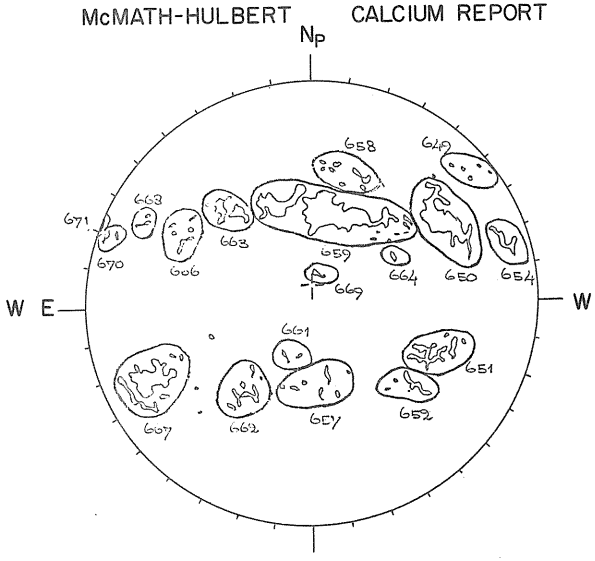
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



1500 UT

50-45-3
51-20-2.5
54-18-3
59-89-3.5
63-18-2.5
67-50-3.5
69-02-2.5
70-08-2.5
71-05-2.5

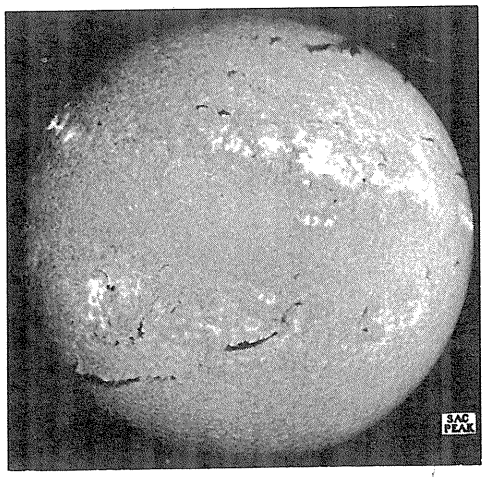
59
Jan 67

JANUARY 26, 1967 (L_0 = 3.85°, B_0 = -5.55°, P = -9.41°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

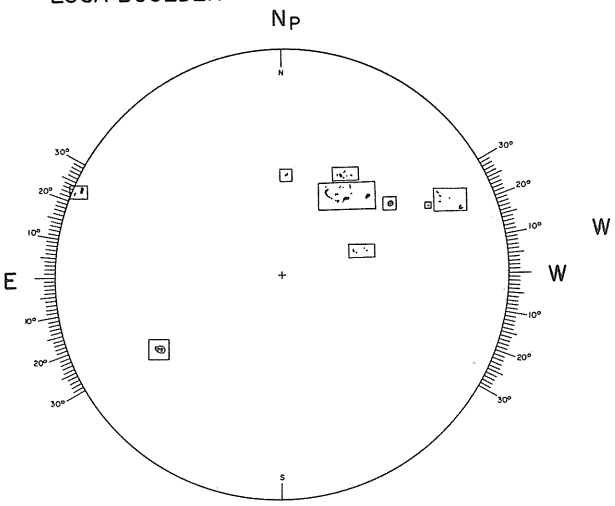
60
Jan 67

SACRAMENTO PEAK Hα

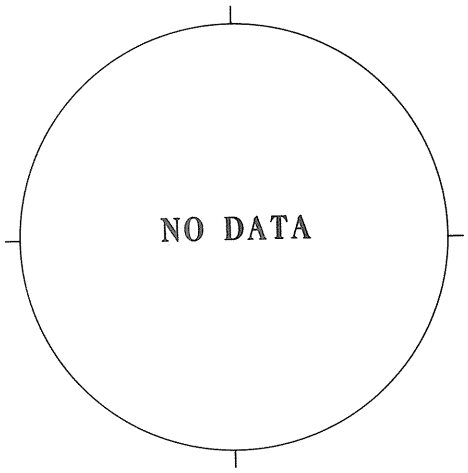


1532 UT

ESSA-BOULDER SUNSPOTS

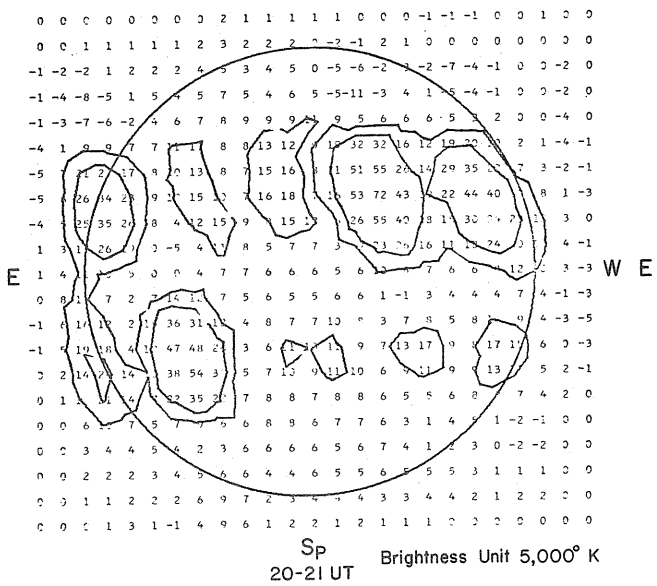


1720 UT



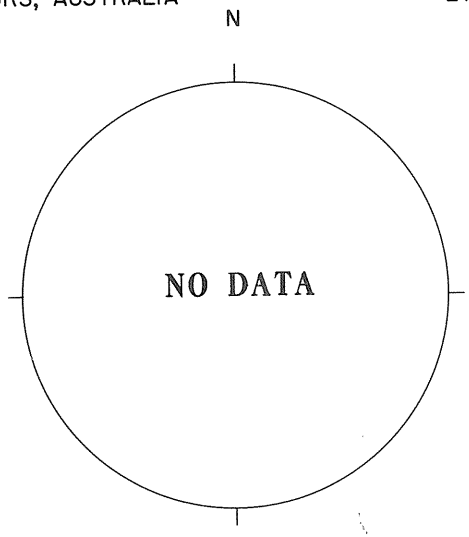
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



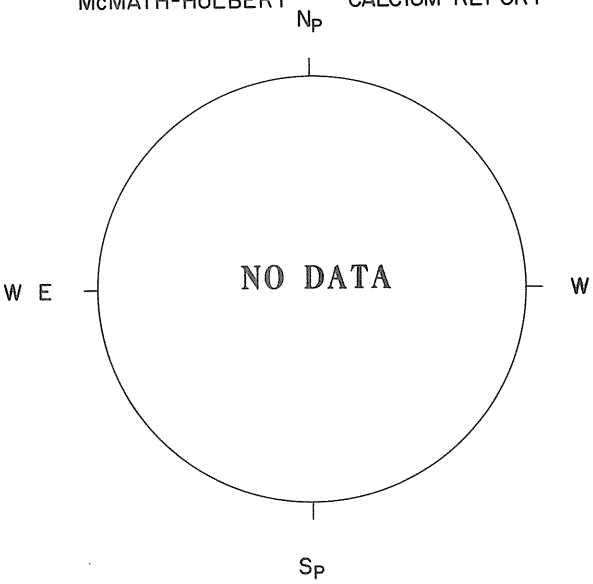
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



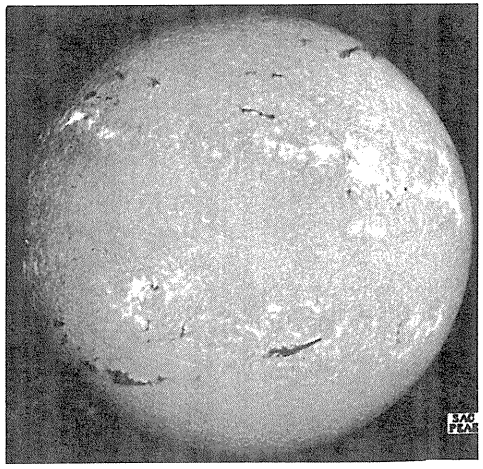
Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



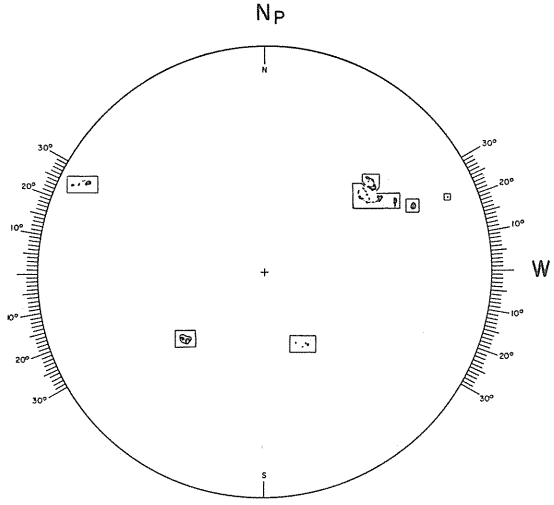
JANUARY 27, 1967 (L_0=350.68° B_0=-5.63° P=-9.84°)

SACRAMENTO PEAK Hα



1654 UT

ESSA-BOULDER SUNSPOTS

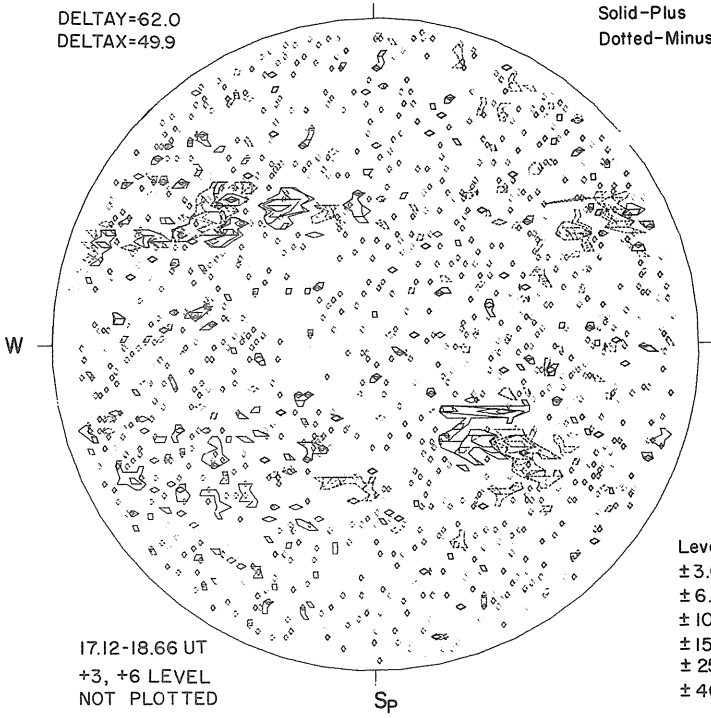


1600 UT

MT. WILSON MAGNETOGRAM

DELTAY=62.0
DELTAX=49.9

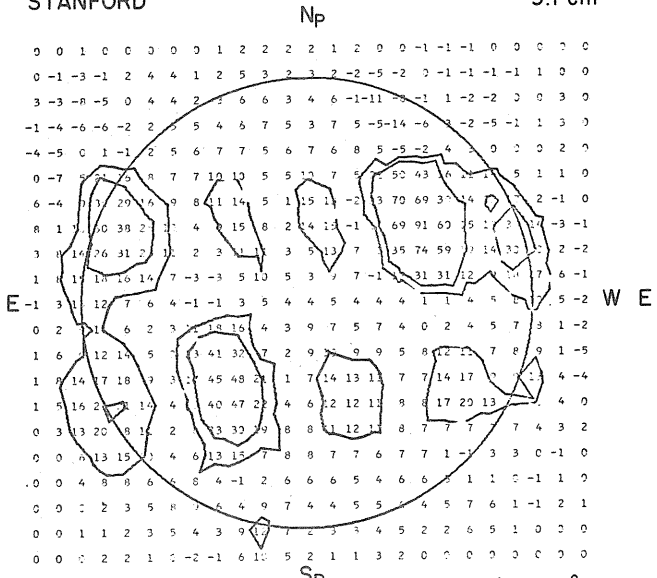
Solid-Plus
Dotted-Minus



17.12-18.66 UT
+3, +6 LEVEL
NOT PLOTTED

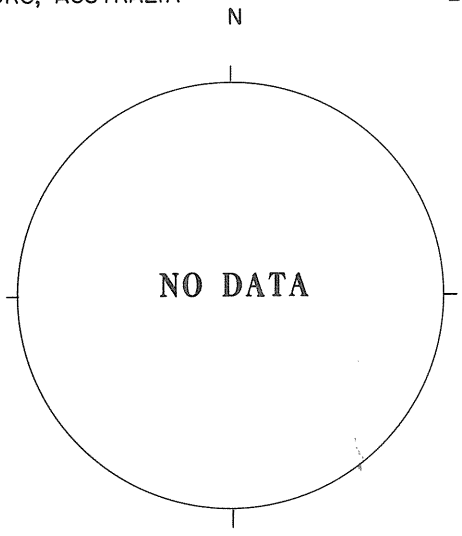
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



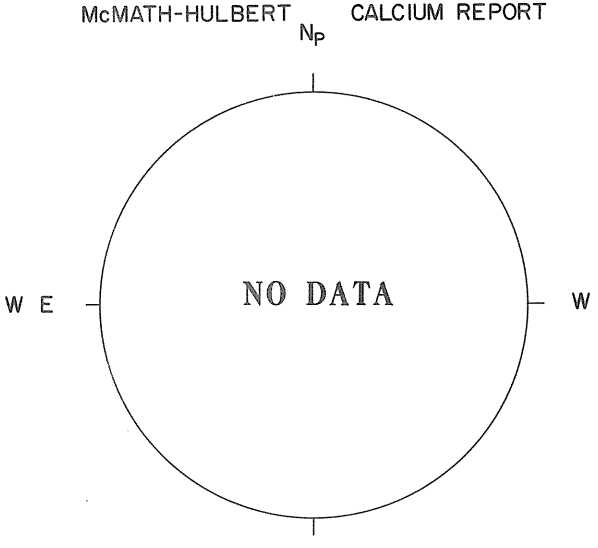
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



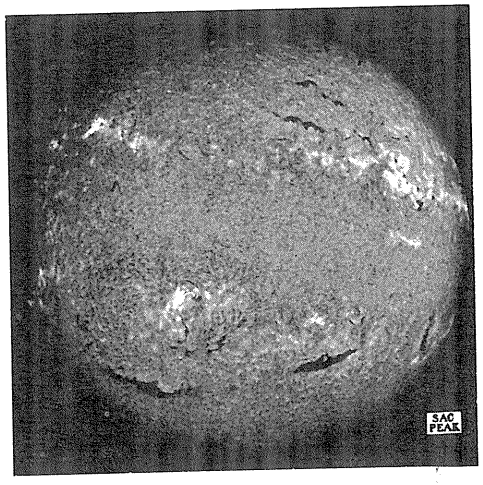
61
Jan 67

JANUARY 28, 1967 (L_0=337.51° B_0=-5.71° P=-10.27°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

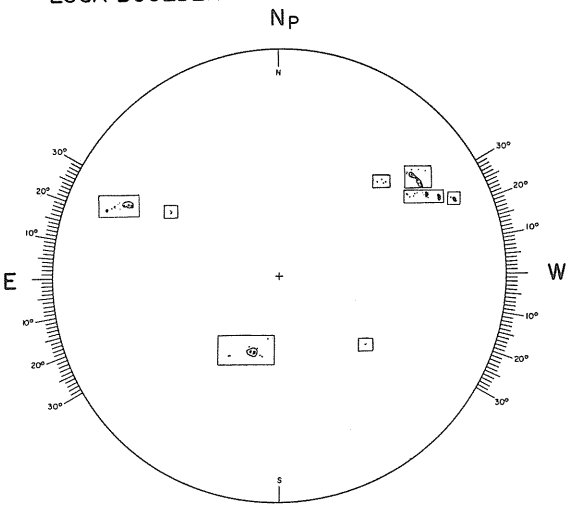
62
Jan 67

SACRAMENTO PEAK Hα

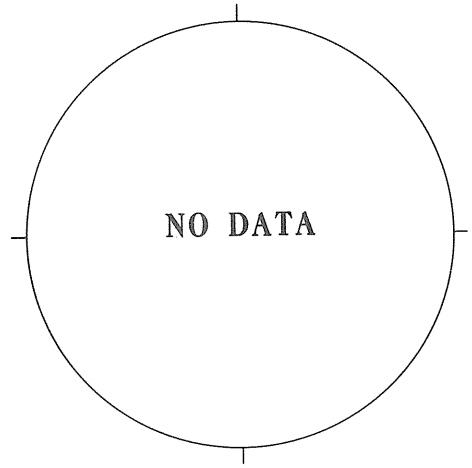


1521 UT

ESSA-BOULDER SUNSPOTS

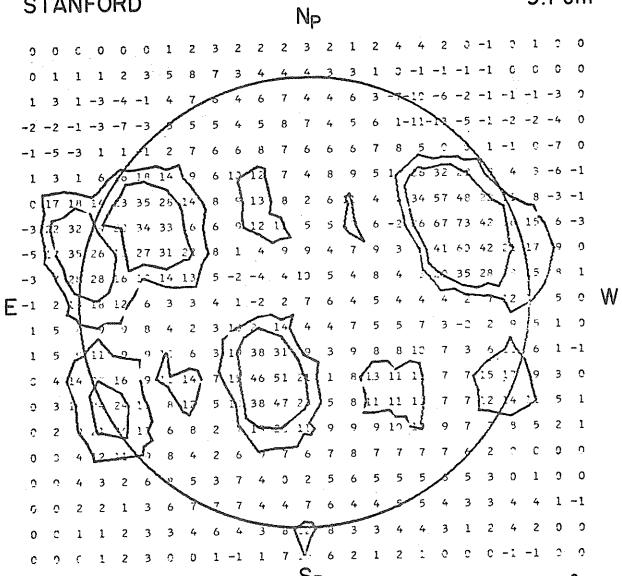


1520 UT



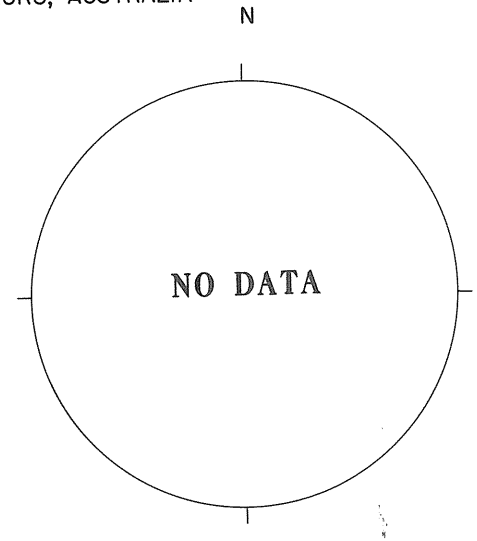
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



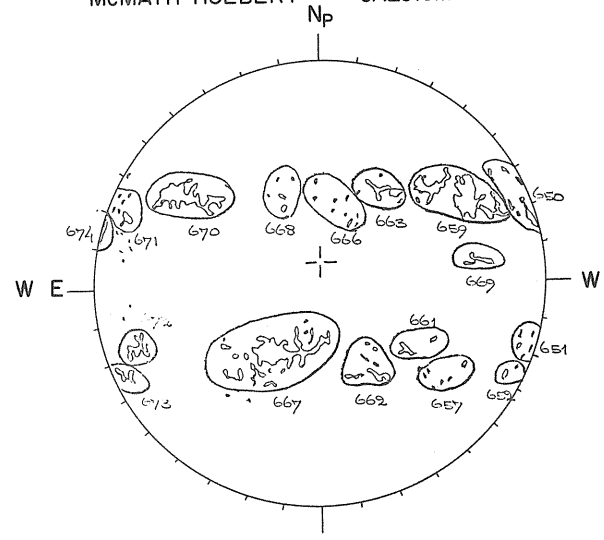
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



1700 UT

50-33-3
52-07-2.5
57-06-2.5
59-61-3.5
61-05-3
63-11-3
67-54-3.5
69-08-2.5
70-33-3.5
71-12-3
72-14-3
73-08-2.5
74-15-2.5

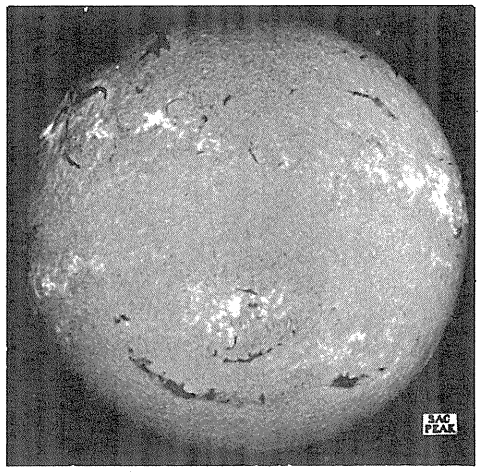
JANUARY 29, 1967

(L_0=324.35° B_0=-5.79° P=-10.70°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

N



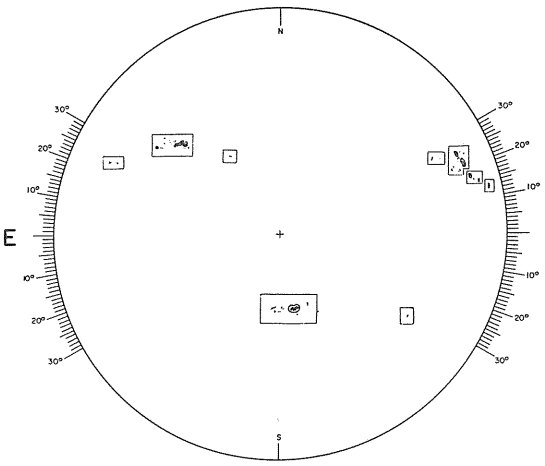
E W

S

2322 UT

ESSA-BOULDER SUNSPOTS

N_P



W E W

S_P

1640 UT

NO DATA

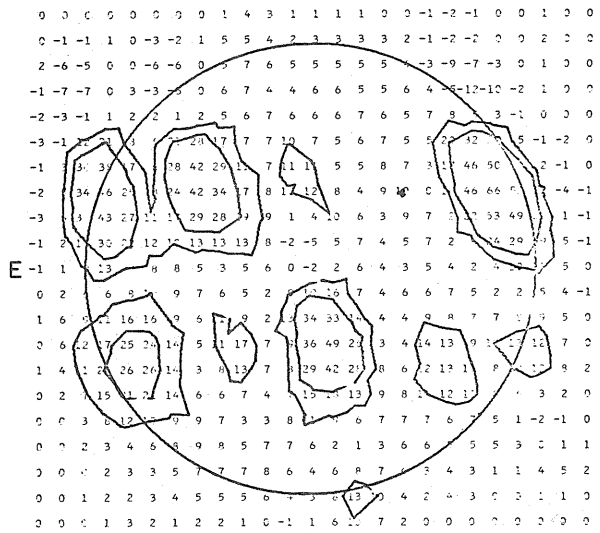
E

Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

S_P

STANFORD 9.1 cm

N_P



E W E

S_P

20-21 UT

Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm

N

NO DATA

W E

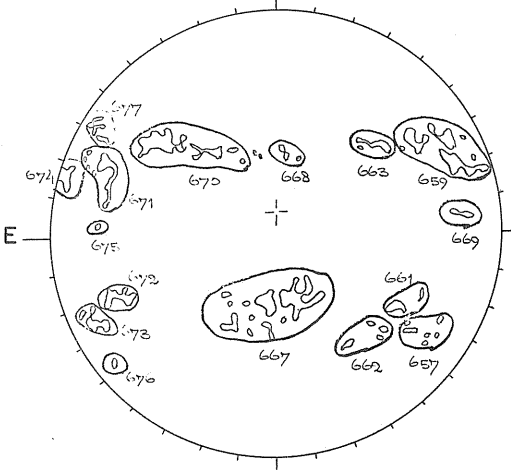
S

Resolution 3 Minutes of Arc

02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT

N_P



W E W

S_P

1403 UT

59-59-3.5
61-08-3
63-10-2.5
67-52-3.5
70-39-3.5
71-20-3
72-15-2.5
73-14-3
74-21-3.5

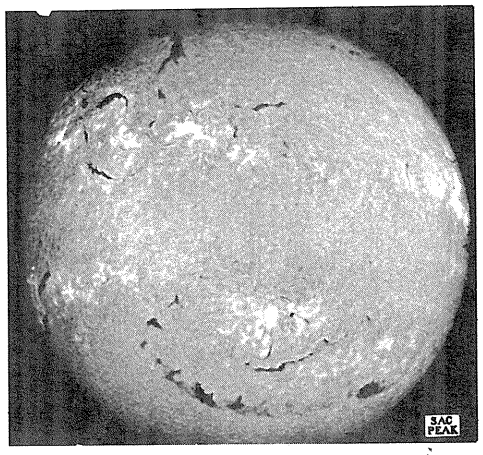
63
Jan 67

JANUARY 30, 1967 (L_0=311.18°, B_0=-5.87°, P=-11.12°)

MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

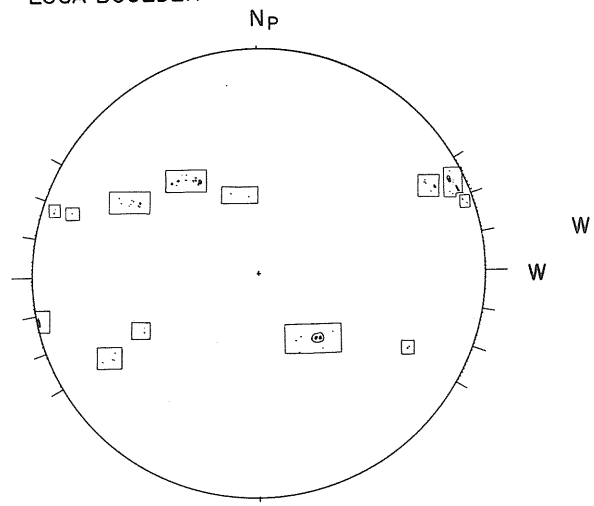
64 Jan 67

SACRAMENTO PEAK Hα

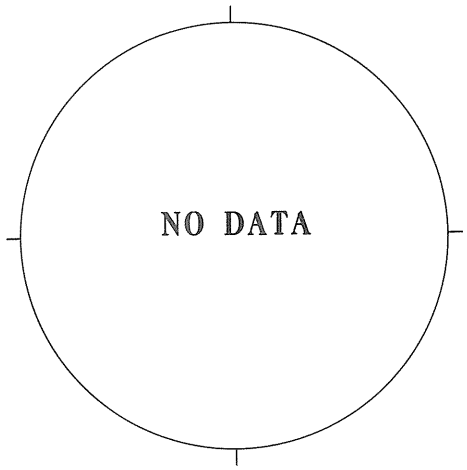


1617 UT

ESSA-BOULDER SUNSPOTS

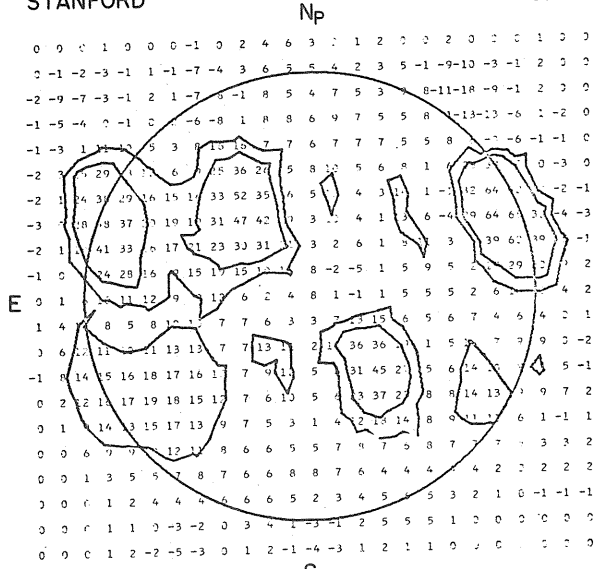


1600 UT



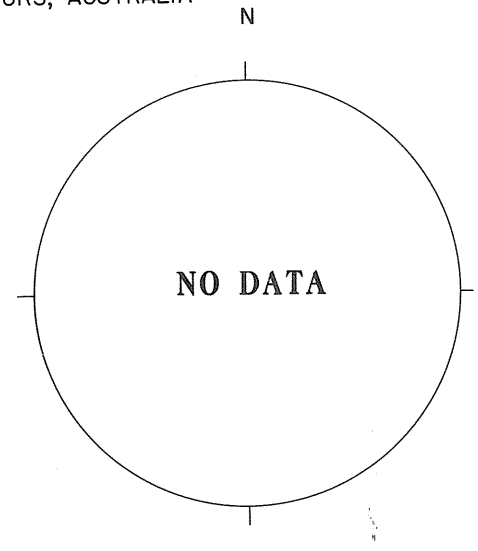
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



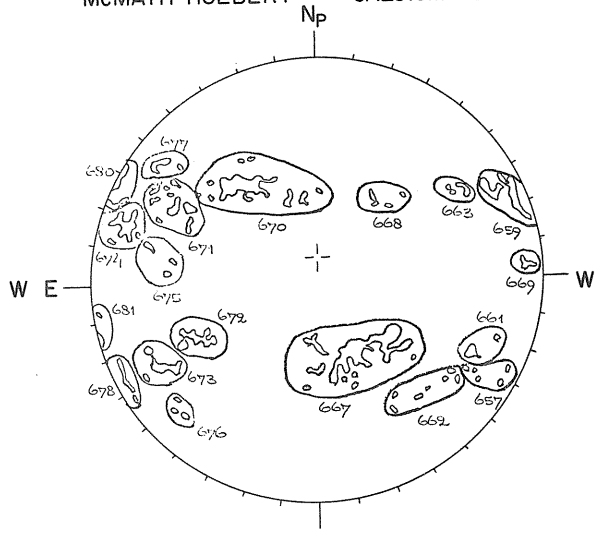
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



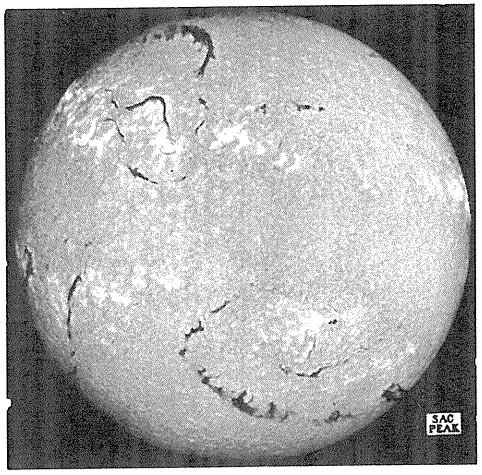
1415 UT

59 50 3.5
61-08-3.5
63 07 2.5
67-50-3
70-36-3.5
71-24-3.5
72-14-3
73-16-3
74-25-3.5
80-42-3.5

JANUARY 31, 1967 (L_0=298.01°, B_0=-5.94°, P=-11.54°)

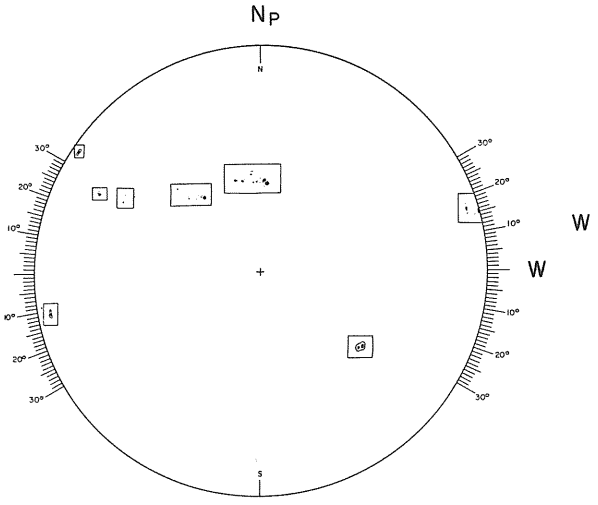
MT. WILSON N_P MAGNETOGRAM
Solid-Plus
Dotted-Minus

SACRAMENTO PEAK Hα

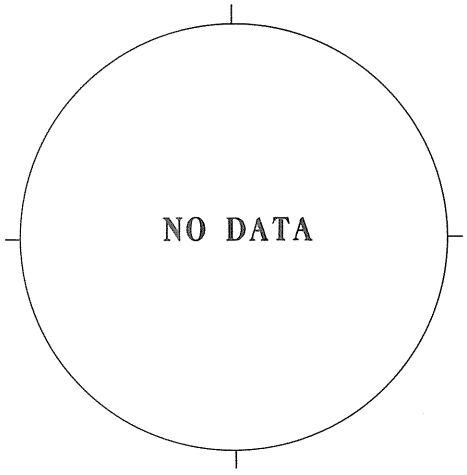


1602 UT

ESSA-BOULDER SUNSPOTS

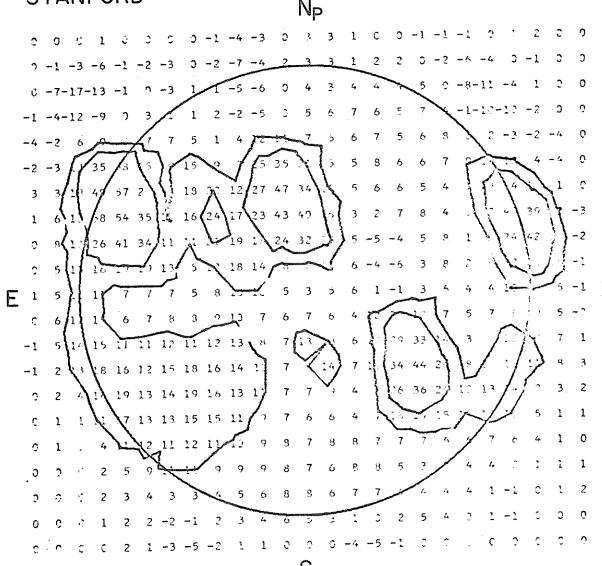


1730 UT



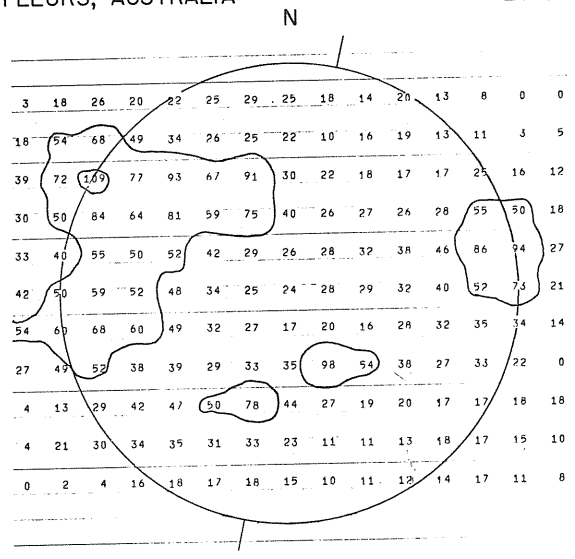
Levels
±3.00
±6.00
±10.00
±15.00
±25.00
±40.00

STANFORD 9.1 cm



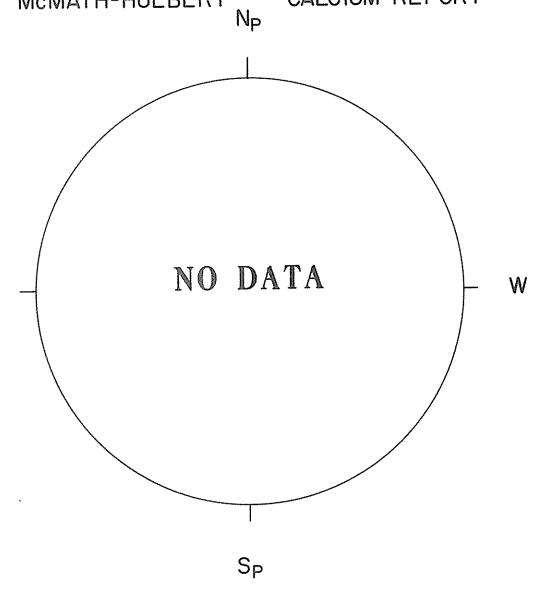
20-21 UT Brightness Unit 5,000° K

FLEURS, AUSTRALIA 21 cm



Resolution 3 Minutes of Arc
02-03 UT Brightness Unit 1,700° K

McMATH-HULBERT CALCIUM REPORT



65
Jan 67

FINAL CORONAL LINE EMISSION INDICES

JANUARY 1967

CMP January 1967	North East Quadrant (observed 7 days earlier)				South East Quadrant (observed 7 days earlier)				South West Quadrant (observed 7 days later)				North West Quadrant (observed 7 days later)			
	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1	G_6	G_1	R_6	R_1
1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2	x	x	x	x	x	x	x	x	31	38	16	22	110	182	20	36
3	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	91	130	9	18	48	67	8	11	91	132	14	24	143	188	15	26
6	140	174	x	x	x	x	x	x	29	52	x	x	33	58	x	x
7	92	107	13	42	82	99	17	29	91	126	22	35	123	173	23	35
8	75	119	33	53	90	121	30	49	95	123	11	18	170	234	36	56
9	83	124	24	35	55	67	24	59	76	105	21	22	163	205	29	39
10	92	151	45	65	51	58	36	54	59	87	x	x	129	153	x	x
11	x	x	x	x	x	x	x	x	52	63	10	13	144	235	17	48
12	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
13	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
15	x	x	x	x	x	x	x	x	48	64	x	x	69	92	x	x
16	101	142	12	13	29	39	13	16	31	63	21	47	26	36	5	9
17	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
18	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
19	53	68	40	62	31	36	13	43	x	x	x	x	x	x	x	x
20	31	42	x	x	12	14	x	x	x	x	x	x	x	x	x	x
21	72	131	26	36	30	38	21	26	x	x	x	x	x	x	x	x
22	99	133	20	38	73	115	21	28	x	x	x	x	x	x	x	x
23	129	181	30	73	90	135	27	47	63	115	10	11	127	181	22	27
24	96	147	x	x	74	125	x	x	x	x	x	x	x	x	x	x
25	149	194	31	54	104	165	21	31	59	90	x	x	133	161	x	x
26	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
27	x	x	x	x	x	x	x	x	61	98	23	35	43	72	25	40
28	x	x	x	x	x	x	x	x	74	99	14	26	41	52	19	26
29	74	110	x	x	82	104	x	x	x	x	x	x	x	x	x	x
30	129	199	13	35	83	110	20	28	x	x	x	x	x	x	x	x
31	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

SUDDEN IONOSPHERIC DISTURBANCES

SHORT WAVE RADIO FADEOUTS — SUDDEN PHASE ANOMALIES
SUDDEN COSMIC NOISE ABSORPTION — SUDDEN ENHANCEMENTS OF SIGNAL
SUDDEN ENHANCEMENTS OF ATMOSPHERICS — SUDDEN FREQUENCY DEVIATIONS

JANUARY 1967

JAN 1967	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE	IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	STATIONS	KNOWN FLARE
01	0652	0706	0700	1			05	1-					MA	0652
01	0652	0710	0657	5	S	1-							MA ND OK	
01	0652	0800	0656	5					2				A17 KE ND	
01	0654	0750		1							1		ND	
01	1035	1052	1037	1			16	1					RO	1034
01	1035	1110	1045	5					2				ND LO PO PU TS	
01	1035	1135	1045	1							1		ND	
01	1037	1051		1	S	2							PU	
01	2157			5						99			BO(WWVL20-150)	2156
													HA(WWVL20-22)	
02	1235	1300	1249	1							2		UM	1226
02	1237	1300	1239	5						72			SL(GBR16-72)	
													UM(NBA24-35,NSS21-35)	
02	1238	1307		1					1-				PO	
02	1510	1532	1520	1							2-		UM	1510
02	1513			5						70			BO(WWVL20-70)	
													UM(NBA24-22)	
02	1514	1522	1515	1								07	BO(WWI8-0.7)	
02	1600	1620	1610	1							2		UM	1600E
02	1600	1627	1607	5	S	1-							HU TR	
02	1601			5						70			BO(WWVL20-70)	
													UM(NBA24-22)	
02	2050		2056	5						14			HA(WWVL20-14)	2050
			2056										BO(WWVL20-**)	
02	2133			5						55			BO(WWVL20-55)	2124
													HA(WWVL20-14)	
03	1215	1245	1225	1						99			SL(GBR16-120)	1131E
03	1750	1800	1753	1								06	BO(WWI8-0.6)	1705
04	0322	0344	0331	1						17			MA(NPG18-17)	0325
04	0323	0400		1							1		ND	
04	0324	0327	0328	1	S	1							MA	
07	0549	0604	0554	1					1-				MA	0535
07	0549	0604	0553	1	S	1-							MA	
07	0550	0606	0555	1						22			MA(NPG18-22)	
07	0550	0635	0552	1							1		ND	
07	1804	1812	1806	1								04	BO(WWI11-0.4)	
07	1908	1911	1909	1								02	BO(WWI11-0.2)	*
10	0035	0037	0036	1								02	HA(WWVH5-0.2)	0035
10	1917	1919	1918	1								02	BO(WWI8-0.2)	1917
10	1920	1940	1926	1						07			HA(WWVL20-7)	
10	1928	1933	1929	1								05	BO(WWI8-0.5)	1928
11	1019	1040	1032	1							2		UM	*
11	1020	1110	1034	1						35			UM(GBR16-35)	
11	1645	1730	1705	1						47			UM(WWVL20-47,GBR16-17)	1629
11	2017			5						99			BO(WWVL20-225)	2016
													HA(WWVL20-86)	
11	2017	2033	2026	1			12	1					BO	
11	2017	2045		3					2				BO A6	
11	2020	2038	2024	1	S	1							HU	
12	0225	0318	0236	5	SL	2							OK GH HK MA TO	0221E
12	0228	0332	0238	1			25	1					MA	
12	0229	0408	0238	1						99			MA(NPG18-120)	
12	0230	0335	0250	1					1				MA	
12	1807	1840	1810	1					2				A6	1755
12	1815	1915	1830	5						50			UM(WWVL20-50,GBR16-17)	
													HA(WWVL20-36)	
12	1815	1915	1830	1							2+		UM	
12	1816	1830	1818	1								02	BO(WWI11-0.2)	
12	1817	1837	1819	5	S	1-							BE HU	
14	1650	1714	1653	5	S	1							TR HU	1635
14	1750	1830	1805	1						29			UM(WWVL20-29,GBR16-12)	1737
16	0034	0110	0040	5	SL	1-							MA OK	0032
16	0039	0056	0045	1						24			MA(NPG18-24)	
17	2310	2356	2317	5						40			MA(NPG18-40)	2307
													HA(WWVL20-25)	
17	2317	2332	2321	5	S	1-							MA GH	
18	0616	0640	0621	5					1				A17 KE MA	0616
18	0616	0654	0624	1						63			MA(NPG18-63)	
18	0617	0800	0630	1							1		ND	
18	0618	0700	0626	5	G	1-							MA ND	
19	0614	0646	0630	5	G	1-							MA ND	0608
19	0618	0745	0630	1							1		ND	
19	0619	0653	0630	1						20			MA(NPG18-20)	

SUDDEN IONOSPHERIC DISTURBANCES

JANUARY 1967

JAN 1967	UNIVERSAL TIME START	END	MAX	WIDE SPREAD INDEX	SWF TYPE IMP	IMPORTANCE ABS	SCNA	SEA	SPA	SES	SFD	STATIONS	KNOWN FLARE
20	1539			1					70			BO(WWVL20-70)	1525
20	1543	1611		5				1+				PO A6 LO	
20	1758			5					99			BO(WWVL20-110)	1756E
												HA(WWVL20-21)	
20	1759	1820	1804	5	S 1-							TR BO HU MC WS	
20	2039	2056	2052	1							02	BO(WWI11-0.2)	2043
20	2050	2320	2110	1					28			HA(WWVL20-28)	
21	2141	2153	2144	1							05	BO(WWI8-0.5)	2131
21	2142	2210	2145	5	S 1							HU WS	
21	2143			5					99			BO(WWVL20-155)	
												HA(WWVL20-64)	
21	2145	2215	2149	3				1+				A19 A6	
22	1909	1912	1910	1							02	BO(WWI8-0.2)	1901
23	1203	1305	1212	1					62			UM(NSS21-62,NBA24-42)	1214E
23	1205	1245	1215	1						2+		UM	
23	2334	2355	2344	1	G 1-							MA	2335
23	2335	2357	2339	5					28			MA(NPG18-28)	
												HA(WWVL20-14)	
24	2019	2029	2020	1							04	BO(WWI8-0.4)	2023E
24	2020			5					35			BO(NPM26-35)	
												HA(WWVL20-21)	
24	2022	2037	2030	5	SL 1-							BE HU	
26	1325		1332	1					46			UM(NSS21-46,NBA24-42)	*
26	1325	1355	1335	1						2+		UM	
26	1327	1358	1335	3				2+				LO PO	
27	2321	2345	2329	5					15			MA(NPG18-15)	2317U
												HA(WWVL20-11)	
29	1611	1621	1615	1							02	BO(WWI9-0.2)	1612
29	1618	1711	1620	5	S 1							BE HU MC	
29	2039	2043	2042	5							03	HA(WVH5-0.3)	2039
												BO(WWI9-0.2)	
29	2224			5					99			BO(WWVL20-210)	
												HA(WWVL20-56)	
												MA(NPG18-96)	
29	2225	2240		5	SL 1							TO GH HU WS	
30	1410		1430	1					39			UM(NSS21-39,NBA24-30)	1410
30	2120	2134	2126	5	G 1-							WS HU	2112
30	2123			5					99			BO(WWVL20-200)	
												HA(WWVL20-40)	
31	0016	0035	0022	5					53			MA(NPG18-53)	0018
												HA(WWVL20-21)	
31	0016	0036	0023	5	SL 1-							MA OK TO	
31	1832	1839	1833								03	BO(WWI8-0.3)	1833

SCNA-SEA observations from McMath-Hulbert for January 1967 were received too late to include in this report.
No SCNA-SEA observations were made at Hawaii after January 11, 1967.
No SEA observations were made at Preston, England from January 21 to 1245UT January 24, 1967.

No SWF records were available from White Sands January 1-15, 1967. The 10 Mc/s receiver at McMath-Hulbert became operative only after January 12, 1967. No records were made at Okinawa on 11.750 Mc/s on January 2 and January 4-9, 1967. Boulder SWF records were available only from 0430UT January 16 to 2000UT January 23, 1967.

No SPA observations were made at Slough from 1500UT January 4 to 1800UT January 16, 1967.

A15 of AAVSO is now located at State College, Pa.

RIOMETER EVENTS

JANUARY 1967

Great Whale River 30 Mc/s

JAN. 1967	START UT	END UT	MAX UT	MAX. ABS. .1DB	NO. OF PKS
01	0134		1718		
02		0908		30	13
03	0450		1414		
04		0238		35	6
04	1108	2204	1454	12	1
06	0736	1011	0919	6	2
07	0432		1338		
08		1600		30	27
09	0436	0654	0520	25	2
09	1235	*	1522	28	4
10	2038				
11		0110	0042	10	6
11	0658		1330		
12		0020		34	11
12	1350		2147		
13		0027		5	4
13	0334	*	1245	56	9
13	2340				
14		2338	0925	25	26
15	1024	2210	1257	10	5
16	0222	2220	0552	41	5
17	0208	2157	0840	9	4
18	1422	2320	2003	6	7
19	1949		2204		
20		0110		7	1
20	0342	2337	1624	11	8
21	0246		1722		
22		0148		26	9
22	0629		1624		
23		0306		5	2
23	0552	1143	1016	8	2
25	1216		1545		
26		0815		8	7
28	0048		1720		
30		2320		50	16
31	1320		1814		
01		2356		10	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.

NO DATA ZEROS FOR ALL VALUES OF A DAY.

SOLAR RADIATION MONITORING SATELLITE
X-RAY

JANUARY 1967

NRL

NRL SOLAR X-RAY DATA (Preliminary)
Outstanding Events for January 1967

Date	Start	Stop	8-20 A $\times 10^{-3}$	0-8 A $\times 10^{-4}$	0-3 A $\times 10^{-5}$	Comments
14	1757	1809	———	>49.29	6.86	
17	2330	2336	48.38	15.35	<1.73	
18	2111	2121	33.87	17.34	5.91	
20	1822	1837	22.34	15.50	1.84	
21	1939	1950	18.82	8.68	0.72	
	2128	2135	20.54	14.33	3.56	
23	1509	1521	20.06	11.94	1.28	INCREASING
	1651	1709	24.46	15.03	1.26	INCREASING
	1837	1850	23.15	19.41	2.49	I AND D
	2026	2034	20.89	16.20	2.49	INCREASING
24	2143	2151	27.11	24.62	3.32	INCREASING
25	2257	2309	16.85	8.86	1.00	
26	1521	1536	28.19	15.88	1.15	DECREASING
27	2011	2019	30.64	24.31	1.73	
	2341	2354	37.89	25.75	0.63	DECREASING
28	2311	2324	30.69	11.72	<1.43	
29	2240	2253	65.83	102.93	<14.67	
30	1504	1519	62.17	57.14	<1.32	DECREASING
	1651	1703	27.78	11.26	<1.33	INCREASING
	2026	2035	48.60	28.66	20.53	INCREASING
	2210	2223	35.17	11.49	<1.40	DECREASING
31	1252	1304	49.70	22.23	1.74	

NRL SOLAR X-RAY DATA
Observing Times for January 1967

13	0016	0020	24	1441	1452
	1829	1840		1621	1636
	2011	2025		1806	1820
	2156	2208		1955	2003
	2346	2351		2143	2151
				2327	2335
14	1757	1809			
	1940	1954	25	1411	1418
	2126	2138		1550	1606
	2314	2323		1736	1750
				1924	1934
15	1729	1738		2113	2120
	1909	1925		2257	2309
	2055	2109			
	2243	2250	26	1521	1536
				1705	1719
16	1658	1708		1854	1904
	1838	1852		2042	2050
	2024	2037		2226	2238
	2213	2221			
			27	0011	0025
17	0000	0004		1451	1505
	1628	1637		1635	1650
	1809	1824		1823	1834
	1954	2007		2011	2019
	2142	2151		2156	2208
	2330	2336		2341	2354
18	1600	1605			
	1739	1753	28	0125	0136
	1923	1937		1421	1435
	2111	2121		1604	1620
	2300	2307		1752	1803
				1940	1948
19	1708	1723		2128	2137
	1853	1905		2311	2324
	2041	2050			
	2229	2236			
20	1638	1653	29	0055	0105
	1822	1837		1351	1403
	2010	2019		1534	1549
	2158	2205		1724	1733
				1910	1918
21	1609	1622		2057	2106
	1753	1807		2240	2253
	1939	1950			
	2128	2135			
	2313	2320	30	0025	0038
				1322	1334
22	1539	1552		1504	1519
	1722	1737		1651	1703
	1908	1921		1840	1848
	2056	2104		2026	2035
	2243	2251		2210	2223
				2355	2408
23	1509	1521			
	1651	1709			
	1837	1850	31	1808	1816
	2026	2034		1955	2003
	2213	2222		2140	2153
	2357	2410		2324	2338

NRL SOLAR X-RAY DATA (Preliminary)
Daily Averages for January 1967

Date	44-60 $\times 10^{-1}$	8-20 $\times 10^{-3}$	0-8 $\times 10^{-4}$
14	3.39	———	4.32
15	3.45	52.83	4.15
16	2.80	26.21	8.07
17	2.23	18.52	2.89
18	2.17	15.17	5.55
19	2.17	13.23	5.75
20	2.35	14.02	5.61
21	2.77	17.32	8.54
22	2.62	13.46	6.08
23	———	18.84	10.72
24	2.18	14.41	5.51
25	———	13.55	5.16
26	———	17.20	7.46
27	———	17.67	8.81
28	3.34	15.45	6.85
29	3.84	19.99	6.67
30	4.79	35.91	18.40
31	4.24	34.36	11.99

Aspect Angle Greater than 25° for Jan 1-17 and 31

Only the daily averages as given by NRL are presented. This is because they have available the maximum number of records from a single station from which to calculate the averages.

The conversion factors used in the published NRL X-ray data observed prior to January 1967 have been found to be incorrect. The flux values in the 44-60A and 8-20A bands should be increased by about 12%. This error also exists in the ESSA Boulder data through February 1967.

SOLAR RADIATION MONITORING SATELLITE
X-RAY

JANUARY 1967

E S S A , Boulder

Outstanding Events				
Date/Time	8-20 $X10^{-2}$	0-8 $X10^{-4}$	0-3 $X10^{-5}$	Remarks
27 2003-2016	2.8	20.0	3.2	

Observing Times		Aspect Angle
1-11	None	>>30°
12	2037-2052 2221-2236	-31° -31°
13	2007-2021 2150-2206	-31° -31°
16	1839-1849 2019-2035 2205-2219	-29° -29° -29°
17	1949-2005 2134-2149	-28° -28°
18	1919-1935 2104-2119 2251-2303	-25° -25° -24°
19	1849-1904 2033-2049 2220-2233	-22° -22° -22°
20	1820-1834 2003-2018	-19° -19°
23	1832-1848 2017-2032 2206-2217	-8° -8° -8°
24	1802-1818 1947-2002 2135-2146	-2.75° -2.75° -2.75°
25	1732-1748 1916-1932 2104-2116	+1.25° +2.75° +2.75°
26	1702-1717 1846-1902 2033-2046	+5.75° +5.75° +5.75°
27	1632-1647 1816-1832 2003-2016	+10° +10° +10°
30	1645-1701 1830-1845 2018-2030	+24° +24° +24°
31	1614-1631 1800-1815 1948-1959	+29° +29° +29°

COSMIC RAY INDICES
(Neutron Monitors)

JANUARY 1967

JAN. 1967	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	*	6713.2	4022.6	*
2		6694.3	4018.9	
3		6685.7	4003.6 (34)	
4		6721.0	4041.6 (18)	
5		6769.3	4043.7	
6		6791.3	4071.6	
7		6686.2	4030.5	
8		6596.8	4003.2	
9		6531.4	3914.0	
10		6543.2	3889.8	
11		6618.9	3939.7	
12		6643.4	3977.0	
13		6588.6	3939.7	
14		6449.5	3898.7	
15		6485.6	3885.1	
16		6617.8	3930.7 (32)	
17		6631.5	3999.6 (20)	
18		6689.8	3993.4	
19		6705.0	3993.2	
20		6708.4	4024.5	
21		6687.5	4029.7	
22		6687.1	4020.3	
23		6633.5	3986.9	
24		6659.7	4004.6	
25		6644.4	3991.3	
26		6671.4	3990.1	
27		6698.9	3987.0	
28		7039.0	4074.1	
29		6755.0	4014.8	
30		6724.8	3998.9	
31		6718.3	4004.5	

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

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

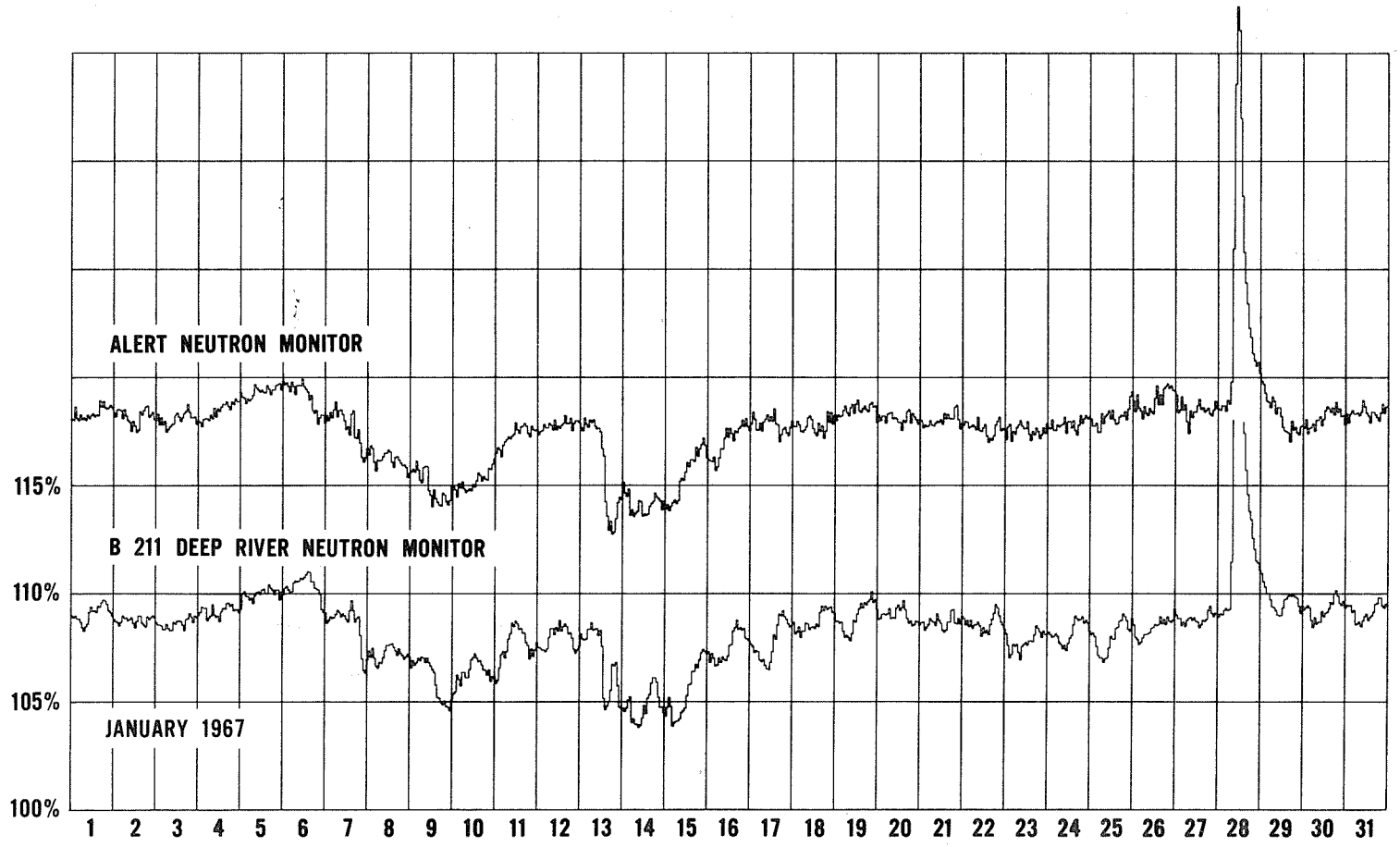
Deep River Neutron Monitor, Scaling Factor 300.

Climax IGC Station B305, Scaling Factor 100.

COSMIC RAY INDICES

(Pressure Corrected Hourly Totals)

JANUARY 1967



The Deep River Graph has been cut off during the period of high counts on January 28 to avoid overlap with the Alert Graph. An increase of about 16% was observed at 1115UT.

75
Jan 67

GEOMAGNETIC ACTIVITY INDICES

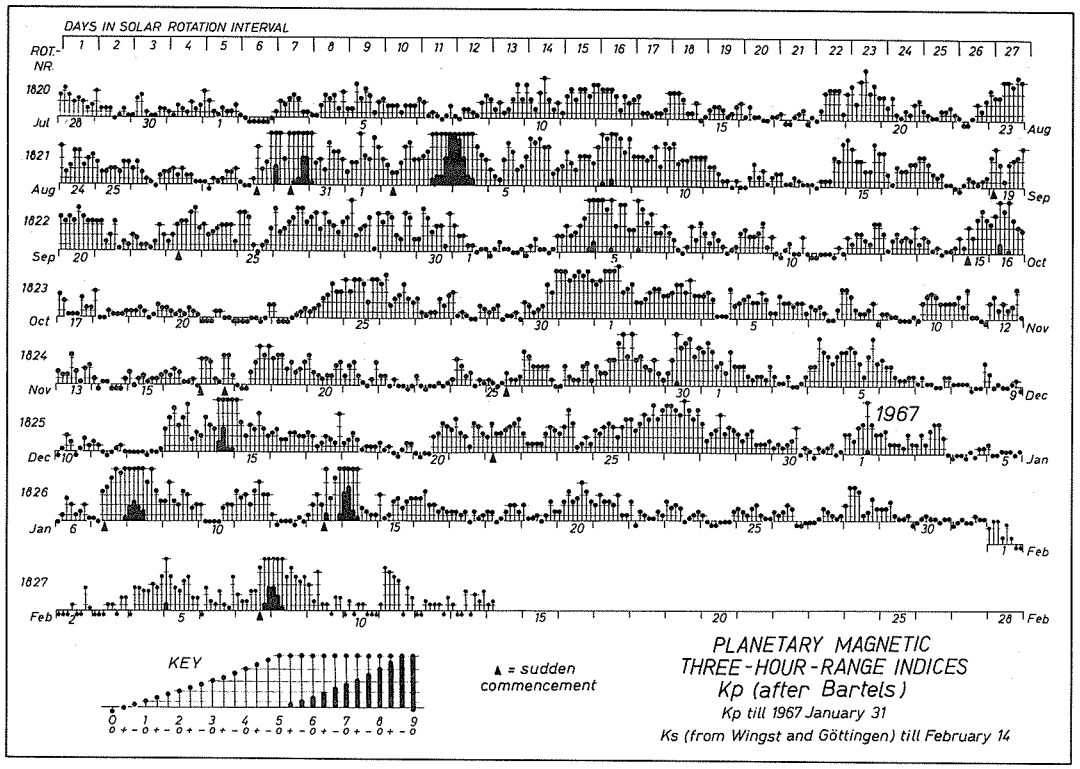
JANUARY 1967

DAY		Kp THREE-HOUR RANGE INDICES								SUM	Ci	Cp	Ap
		1	2	3	4	5	6	7	8				
1	D	2+	2+	2-	3	3+	5+	3+	2+	24-	1.2	1.0	18
2		2+	3-	1+	1+	1+	1	2+	1+	14-	0.3	0.3	7
3		1+	2+	1+	3-	3+	3+	2	0+	17-	0.6	0.5	10
4	QQ	0	0+	0+	0	1-	0+	1	1	4-	0.0	0.0	2
5	Q	1+	0+	0+	1-	1-	1-	0+	1-	5	0.0	0.1	3
6		0+	1	3-	2	1	1+	2	1-	11	0.4	0.2	6
7	D	1-	0+	3+	4-	4+	5	5-	5+	27+	1.4	1.2	28
8	D	6+	7-	6+	6	4	5	3+	2+	40	1.7	1.7	60
9		2+	4	2+	2	3+	3	2-	2	21-	0.8	0.7	12
10		2	0+	0+	0+	0+	2-	2	2	9	0.2	0.2	4
11		3+	3-	3	2	3+	4	3	3	24+	0.9	0.9	16
12	QQ	1	0	0+	0+	0+	0	1-	0+	3	0.1	0.0	2
13	D	1	2	3	2	6-	3-	4+	6-	26+	1.4	1.2	26
14	D	7+	8-	6	5+	2-	1+	1	1	31+	1.6	1.7	61
15		3	1-	1	2+	3-	2-	2+	3-	16+	0.4	0.5	9
16		3-	3-	3+	2	2	1+	2-	1+	17	0.4	0.5	9
17	Q	1+	1+	1	1+	0+	1+	1-	1	8+	0.2	0.1	4
18		1+	1+	0+	1-	1+	2	2	1+	10+	0.2	0.2	5
19		2	1-	1-	1	0+	1	2+	1+	9+	0.3	0.2	5
20		1+	2+	3+	2+	3-	4	3+	2+	22-	1.0	0.8	13
21		2	3	2+	2+	2	3	1	1	17-	0.4	0.5	9
22	Q	2+	0	1+	1	1-	1-	1+	1	8+	0.2	0.1	4
23		2+	2-	2	2-	0+	1-	1	1+	11	0.2	0.2	5
24	QQ	1	0+	0	0	0+	0+	0+	1+	4-	0.0	0.0	2
25		2-	1+	1	2-	2	1	1-	1-	10	0.2	0.2	5
26	Q	1+	1	1+	2	2-	0	0	0+	8-	0.1	0.1	4
27	Q	0+	0+	1-	2-	1+	1	1-	1	7	0.2	0.1	4
28		2	4-	4-	3+	1	1+	3-	2-	19+	0.6	0.7	12
29		2-	2-	2+	1	1-	1-	1	0	9	0.1	0.2	4
30	QQ	0+	1-	1	1-	1-	0+	1-	1-	5	0.0	0.1	3
31	QQ	0	0+	1-	0+	0+	1	1-	1-	4	0.1	0.0	2
										MEAN	0.49	0.46	11

Preliminary storm sudden commencements (ssc) occurred January 7 at 0759UT and January 13 at 1202UT.

The Kp values given as integers represent the values normally given with a small zero following the number, i.e., 0=0o, 1=1o, etc., because the table is prepared by computer and lower case symbols are not available.

GEOMAGNETIC ACTIVITY INDICES



DAILY AVERAGE INDICES Ap

1966 1967

DAY	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.
1	3	3	18	8	12	5	6	22	6	31	17	18
2	3	3	13	12	10	4	1	15	3	14	6	7
3	11	10	7	5	7	4	7	92	4	17	4	10
4	13	9	8	12	4	14	8	112	26	9	19	2
5	18	5	6	6	5	5	10	13	36	9	20	3
6	8	4	7	7	4	5	6	24	22	7	7	6
7	4	2	10	4	9	4	5	14	8	6	4	28
8	4	3	10	5	4	22	5	42	5	7	4	60
9	3	4	5	5	3	36	9	19	9	3	3	12
10	7	10	5	2	2	25	12	19	3	9	4	4
11	12	6	2	10	3	8	14	7	2	6	3	16
12	5	6	3	6	7	15	14	5	10	8	2	2
13	6	14	15	7	5	3	6	4	8	7	20	26
14	2	64	8	2	4	4	9	10	4	2	48	61
15	4	7	4	2	6	8	5	20	14	4	18	9
16	5	7	3	5	6	6	4	10	20	4	8	9
17	4	6	4	7	4	11	2	9	6	11	9	4
18	3	4	3	5	3	4	10	3	4	12	5	5
19	14	20	2	3	6	5	20	17	4	12	3	5
20	17	10	5	8	7	6	7	21	4	8	7	13
21	4	8	5	4	4	14	5	10	2	6	12	9
22	14	7	13	4	3	8	4	6	2	3	14	4
23	28	67	10	2	17	6	22	17	2	2	8	5
24	19	2	6	2	16	6	16	12	11	6	12	2
25	10	14	3	5	16	4	8	13	22	4	14	5
26	3	20	3	78	6	6	6	22	15	10	24	4
27	4	13	1	5	4	11	5	18	6	6	34	4
28	2	42	4	5	5	10	4	22	5	19	14	12
29		12	6	4	6	5	13	17	4	15	7	4
30		6	10	6	6	6	82	16	13	28	6	3
31		3		48		5	23		34		3	2
MEAN	8	13	7	9	6	9	11	21	10	9	11	11

PRINCIPAL MAGNETIC STORMS

JANUARY 1967

DATE 1967 MO. DA.	STORM TIME UT START	STORM TIME UT END MO. DA. HR.	OBS.	GEO-MAG. LAT.	SUDDEN COMMENCEMENT TYPE	AMPLITUDES D(')	AMPLITUDES H(γ)	AMPLITUDES Z(γ)	C FIGURE DEGREE OF ACTIVITY	MAXIMAL ACTIVITY ON K-SCALE 0 TO 9 MO. DA.	3-HOUR PERIOD	K INDEX	RANGES D (')	RANGES H (γ)	RANGES Z (γ)	STORM NUMBERS
01 03	0947	01 03 19	COLL	64.6N	SC	+26	-78	+45	M	01 03	5	5	48	550	280	1
	0935	01 03 16	KGLN	57.3S	••	••	••	••	M	01 03	4,5	4	--	--	--	1
01 06	0715	01 08 18	TUCS	40.4N	SC	- 1	+13	-	MS	01 08	1,3,4	6	15	190	40	2
	0715	01 09 20	TOOL	46.7S	SC *	+ 1	+38	--	7S	01 08	4	6	32	156	115	2
01 07	07--	01 09 23	COLL	64.6N	••	••	••	••	MS	01 07	5,6	7	348	1690	930	2
										01 08	3,4,6					2
	08--	01 09 19	SITK	60.0N	••	••	••	••	S	01 08	3,4	8	160	1300	620	2
	0800	01 08 19	WITT	54.1N	SC	+ 1	+10	0	MS	01 07	8	6	40	185	120	2
										01 08	2	6				2
	0800	01 08 18	FRED	49.6N	SC	0	+13	0	MS	01 08	3	7	37	160	149	2
	0800	01 08 20	SJUA	29.9N	SC	-	+	+	MS	01 08	1	6	10	177	49	2
	0759	01 09 21	MBOR	21.3N	SC *	- 0.6	+ 9	--	MS	01 07	5	6	3	107	--	2
										01 08	3	6	4	84	22	2
	0800	01 08 10	HONO	21.1N	SC	--	+ 6	+ 3	M	01 08	1	5	6	182	30	2
	0800	01 08 20	ALIB	09.6N	SC	- 0.2	+13	- 3	MS	01 07	5	6	8	228	55	2
	0758	01 09 19	HYDE	07.6N	SC	-	+12	- 1	MS	-- --	-	-	7	220	33	2
	0758	01 08 20	GUAM	04.0N	SC	--	+13	-03	M	01 07	5	5	01	39	06	2
										01 05	1	5	--	39	09	2
	0800	01 08 20	ANNA	01.5N	SC	- 0.5	+17	+ 6	MS	-- --	-	-	6	290	83	2
	0800	01 08 20	TVAN	01.1S	SC	--	+22	+25	MS	-- --	-	-	7	309	134	2
	0759	01 09 18	APIA	16.1S	••	••	••	••	M	01 08	2,3,4	5	--	--	--	2
	0805	01 09 18	PMOR	18.6S	SC	.4	19	21	M	01 07	5,7	5	9	182	99	2
										01 08	1,4	5				2
	0759	01 08 21	HRMN	33.3S	SC	0	+ 7.1	+ 3.3	MS	01 07	5	6	25	190	111	2
	0801	01 09 18	GNAN	43.2S	SC	+ 2	+15	+16	MS	01 08	4	6	19	133	175	2
	0800	01 08 21	AMBE	47.7S	SSC	1	25.8	3.6	MS	01 08	3,4	6	33	178	--	2
	0758	01 08 20	KGLN	57.3S	••	••	••	••	MS	01 08	1,4,6	7	--	--	--	2
01 10	1400	01 12 00	HYDE	07.6N	••	••	••	••	M	-- --	-	-	3	90	19	3
01 12	1900	01 14 12	TOOL	46.7S	••	••	••	••	MS	01 13	5	6	28	278	105	4
01 13	07--	01 14 12	COLL	64.6N	••	••	••	••	S	01 13	5	8	224	1830	920	4
	07--	01 14 12	SITK	60.0N	••	••	••	••	MS	01 14	1,2,4	7	115	1135	515	4
	1203	01 14 11	WITT	54.1N	SC	- 3	+43	0	MS	01 14	2	7	60	270	100	4
	1203	01 14 12	FRED	49.6N	SC *	- 3	+23	- 5	MS	01 14	2	7	45	260	273	4
	1203	01 14 11	TUCS	40.4N	SC	+ 1	+25	+ 1	MS	01 13	5,8	6	20	280	70	4
										01 14	1,2	6				4
	1202	01 14 12	SJUA	29.9N	SC	-	+	+	MS	01 13	8	7	16	291	55	4
	1203	01 14 18	MBOR	21.3N	SC	- 0.9	+44	- 6	MS	01 14	1,2	7	6	155	40	4
	1203	01 14 10	HONO	21.1N	SC	+	+11	+ 5	MS	01 14	1	6	8	225	32	4
	1204	01 14 11	ALIB	09.6N	SC	- 0.4	+36	- 6	MS	01 13	5	6	6	237	27	4
	0240	01 14 19	HYDE	07.6N	••	••	••	••	MS	-- --	-	-	6	249	31	4
	1202	01 14 11	GUAM	04.0N	SC	--	+47	-11	MS	01 13	5	6	02	94	32	4
										01 14	1	6				4
	1204	01 14 11	ANNA	01.5N	SC	- 1.0	+33	+20	MS	-- --	-	-	4	249	57	4
	1204	01 14 11	TVAN	01.1S	SC	+ 0.3	+43	+58	MS	-- --	-	-	4	277	175	4
	1204	01 14 18	APIA	16.1S	SC	+ 0	+30	-12	MS	01 13	5	6	9	245	42	4
										01 14	1	6				4
	1203	01 14 22	PMOR	18.6S	SC	.5	47	40	MS	01 13	5	7	10	240	102	4
	1203	01 14 12	HRMN	33.3S	SC	+ 4.7	+32.3	+28.7	MS	01 13	5	6	27	180	159	4
	1204	01 14 10	GNAN	43.2S	SC	+ 3	+46	+20	MS	01 14	1	7	23	226	157	4
	1203	01 13 14	AMBE	47.7S	SI	--	--	--	MS	01 13	5	6	8	170	--	4
	1200	01 14 12	KGLN	57.3S	SC	--	--	--	S	01 14	1	8	--	--	--	4
01 19	1015	01 21 01	HYDE	07.6N	••	••	••	••	M	-- --	-	-	6	155	37	5
01 20	08--	01 21 19	COLL	64.6N	••	••	••	••	M	01 20	5,6	5	176	790	520	5
01 24	2359	01 25 15	HYDE	07.6N	SC	- 0.3	+10	- 0.4	M	-- --	-	-	2	97	13	6

SOLAR FLARES

REVISED

SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 SEPT	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. %	
646	16	0913	0925	0912	N35	W46	.771	8491	12.9	12	1-				.67				2 1 1
ATHN	16	0910E	0917D	0912	N33	W46	.763	8491	12.9	7D	-N	2		0912	.66	1.00	1.50		
ARCE	16	0915	0925		N37	W45	.772	8491	13.0	10	1N		C	0915	1.40	2.20			C
647	16	0912	0922		N36	W63	.899	8491	11.7	10	1-								2 2 0
KHAR	16	0912	0920		N33	W67	.919	8491	11.4	8	1N		V	0912			1.90		DG
KAND	16	0912	0923		N38	W58	.871	8491	12.0	11	-B								
648	16	0912	0916		N51	W03	.693	8500	16.2	4	1-				1.05				1 1 1
SALT	16	0912E	0916		N51	W03	.693	8500	16.2	4D	-N	3		0913	1.00	1.50			
649	16	0914	1007		N24	W51	.784	8496	12.6	53	1-				1.25				1 1 1
KAND	16	0914	1007D		N24	W51	.784	8496	12.6	53D	1N			0929	1.78	2.30			
650	16	0944	1001	0948	N20	E68	.920	8509	21.5	17	1-				.76				3 3 2
KHAR	16	0944	0952		N19	E68	.920	8509	21.5	8	1N		V	0947			2.80		DH
ATHN	16	0944	1005	0948	N20	E70	.932	8509	21.7	21	-N	2		0948	.69		1.40		
BUCA	16	0947E	1005D		N21	E67	.914	8509	21.4	18D	1N		C	0950	1.16				J
651	16	1040	1100	1050	N20	E68	.920	8509	21.5	20	1-				1.03				2 2 2
BUCA	16	1040E	1059D		N21	E67	.914	8509	21.5	19D	1N		C	1049	1.34				
ATHN	16	1047E	1100	1050	N20	E70	.932	8509	21.7	13D	-N	2		1050	1.09		2.00		
652	16	1050	1124		N24	W51	.784	8496	12.6	34	1-								1 1 0
KAND	16	1050	1124		N24	W51	.784	8496	12.6	34	-N								
653	16	1124	1138		N03	E45	.707	8505	19.9	14	1-								1 1 0
KAND	16	1124	1138		N03	E45	.707	8505	19.9	14	-F								
654	16	1141	1214	1150	N21	E69	.926	8509	21.7	33	1-				.59				3 3 3
BUCA	16	1138E	1219D		N21	E66	.907	8509	21.4	41D	1N		C	1152	1.16				J
CAPS	16	1140E	1159D		N21	E70	.932	8509	21.7	19D	-N	3		1145	.20			157	D
ATHN	16	1145	1210	1150	N20	E70	.932	8509	21.7	25	-N	2		1150	.72		1.80		
655	16	1201	1330		N24	W51	.784	8496	12.7	89	1-								1 1 0
KAND	16	1201	1330D		N24	W51	.784	8496	12.7	89D	1N								
656	16	1201	1330		N05	E43	.679	8505	19.7	89	1-				.41				2 2 1
KAND	16	1201	1330D		N03	E45	.707	8505	19.9	89D	-F								
BUCA	16	1205E	1302D		N06	E40	.639	8505	19.5	57D	-F		C	1214	.58	.80			
657	16	1239	1258	1247	N21	E69	.926	8509	21.7	19	1-				.39				5 5 4
BUCA	16	1237E	1254D		N21	E65	.900	8509	21.4	17D	1N		C	1243	.76				
HUAN	16	1240	1252	1244	N21	E70	.932	8509	21.8	12	-F	1	C	1244	.21				D
CAPS	16	1243E	1249D		N21	E70	.932	8509	21.8	6D	-N	2							D
MCMA	16	1243E	1310		N22	E70	.932	8509	21.8	27D	-N		C	1243	.72	1.80			BELV
ATHN	16	1244E	1255	1250	N20	E69	.926	8509	21.7	11D	-N	2		1250	.70		1.60		
658	16	1425	1440	1431	N06	E42	.666	8505	19.8	15	1-				1.02				4 4 3
HUAN	16	1419	1434		N04	E40	.642	8505	19.6	15	-F	1	C	1431	1.08	1.25			E
MCMA	16	1428	1440	1431	N05	E41	.654	8505	19.7	12	-F		C	1431	.83	1.10			E
ATHN	16	1428	1445	1430	N06	E47	.728	8505	20.1	17	-N	2		1430	.92	1.40	1.90		
CAPS	16	1429E	1434D		N08	E40	.638	8505	19.6	5D	1F	1							
659	16	1427	1445	1435	N21	E68	.920	8506	21.7	18	1				.68				5 4 2
NERA	16	1425	1437		N22	E65	.900	8506	21.5	12	2	2							
MCMA	16	1427	1500D	1435	N22	E70	.932	8509	21.9	33D	-B		C	1435	.62	1.60			DVW
CAPS	16	1429E	1439D		N21	E70	.932	8509	21.9	10D	-B	1							
HUAN	16	1430	1441	1435	N21	E68	.920	8509	21.7	11	-B	1	C	1435	.50				DH
ONDR	16	1438E	1443D		N20	E67	.913	8509	21.6	5D	1N		V	1440			2.10		H
660	16	1620	1641	1629	N22	E67	.914	8509	21.7	21	1				.94				4 4 4
MCMA	16	1612	1642	1627	N22	E69	.926	8509	21.9	30	1N		C						
LOCK	16	1622	1642	1627	N22	E67	.914	8509	21.7	20	1N		C	1627	1.40	3.10		20	
HALE	16	1623E	1641	1632	N22	E63	.886	8509	21.4	18D	-N	1	P	1632	.36	.80			TE
HUAN	16	1625	1639		N22	E67	.914	8509	21.7	14	-N	1	C	1633	.31				D
661	16	1630	2148	1705	N04	E37	.601	8505	19.5	318	1+				2.61				4 4 4
LOCK	16	1615	2215	1710	N04	E36	.587	8505	19.4	360	2B		C						L
HALE	16	1623	2120	1702	N05	E34	.557	8505	19.2	297	-B	1	C	1702	1.24	1.50			TFIJL
HUAN	16	1640	1940D		N02	E36	.591	8505	19.4	180D	1F	1	P	1700	1.70	1.85			E
MCMA	16	1640	2148D	1702	N06	E40	.639	8505	19.7	308D	1N		C	1702	1.86	2.40			FKLU
662	16	1821	1839	1824	N22	E67	.914	8509	21.8	18	1				.78				4 3 3
MCMA	16	1740	1838	1828	N22	E68	.920	8509	21.8	58	1B		C	1744	.52	1.30			EV
HALE	16	1818	1840	1821	N22	E66	.907	8509	21.7	22	1N	1	C	1821	.83				T
HUAN	16	1824	1836		N22	E67	.914	8509	21.8	12	-B	1	C	1828	.74	1.22			
LOCK	16	1830E	1840	1830U	N22	E67	.914	8509	21.8	10D	1N		C	1830	1.00	2.20		20	
663	16	1927	1938	1929	N21	E66	.907	8509	21.8	11	1-				.55				1 1 1
HALE	16	1927	1938	1929	N21	E66	.907	8509	21.8	11	-N	1	C	1929	.46				TF
664	16	1936	1959	1941	N24	W57	.839	8496	12.5	23	1				.90				3 3 3
LOCK	16	1935	2005	1941	N24	W58	.847	8496	12.5	30	1N		C	1941	1.30	2.30		20	
HALE	16	1936	2000	1941	N24	W55	.821	8496	12.7	24	-F	1	C	1941	.62	1.10			F
HUAN	16	1938	1951		N24	W58	.847	8496	12.5	13	-N	1	C	1941	.70	.98			E
665	16	2010	2129	1955	N22	E64	.893	8509	21.6	79	1-				.37				2 1 1
HALE	16	1945	2142	1955	N22	E62	.878	8509	21.5	117	-N	1	C	1955	.31	.70			TFK
LOCK	16	2035	2115	2043	N21	E65	.900	8509	21.7	40	-F		C	2043	.70	1.50		10	H
666	16	2118	2148	2129	N27	E90	.998		23.6	30	1+								1 1 0
MCMA	16	2118	2148D	2129	N27	E90	.998		23.6	30D	1B		C	2129					A
667	16	2207	2210		N22	W60	.862	8496	12.4	3	1-				.31				1 1 1
HUAN	16	2207	2210D		N22	W60	.862	8496	12.4	3D	-F	1	P	2210	.37	.54			D

RADIO PROPAGATION QUALITY FIGURES AND FORECASTS

JANUARY 1967

NORTH ATLANTIC, NORTH PACIFIC

JAN. 1967	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} OBSERVED	PREDICTED	K_{SI} HALF DAY (1)	(2)	A_{SI}
01	6+	6	6	6	6+	6+	7-	7-	7	6	7	6	6	6	5	6	2	3	15	9	2	(4)	29
02	6+	6	6	6	6o	6o	7-	6+	6	6	7	7	6	6	6	6	2	1	5	6	1	1	3
03	7-	6	6	6	6+	7-	7-	7-	6	6	7	7	6	6	6	6	2	2	7	3	1	2	6
04	6+	6	6	6	6+	6+	7-	7-	6	6	7	7	6	6	6	6	0	0	0	3	0	1	1
05	7-	6	6	7	6+	6+	7-	7o	7	6	7	7	6	6	6	6	1	0	1	3	0	0	1
06	7-	6	6	7	6+	6o	7-	7-	7	6	6	7	6	6	6	6	2	2	7	3	2	1	5
07	7-	6	6	7	6+	6+	7-	7-	6	6	7	6	6	6	6	-	2	(4)	17	5	2	(5)	32
08	5+	6	6	6	5o	4-	6+	6-	6	4	5	6	6	6	6	6	(6)	2	40	5	(7)	(4)	102
09	6-	6	6	6	5-	5o	7-	7-	5	4	6	6	6	6	6	6	2	2	9	12	2	2	13
10	6+	-	6	6	6+	6o	7-	6+	6	6	7	6	-	-	-	-	0	1	2	12	0	1	3
11	6o	6	6	6	6-	6-	6+	6+	6	6	7	7	6	6	6	6	3	3	12	9	2	2	11
12	6+	6	6	6	7-	6o	6+	7-	6	6	7	6	6	6	6	6	1	1	2	12	0	0	1
13	6+	5	6	6	6+	6+	7-	6o	6	6	7	6	6	5	6	5	2	(4)	24	8	2	(4)	20
14	5o	5	5	6	3+	4+	6o	6o	5	3	6	5	5	5	5	6	(6)	2	42	4	(7)	1	64
15	5+	6	6	6	5-	4o	6o	6o	5	5	6	6	6	5	6	6	2	2	6	4	1	1	4
16	6o	6	6	6	6o	5-	7-	7-	6	6	6	7	6	6	6	6	3	1	7	4	2	1	8
17	6o	6	6	6	6o	5+	6+	7-	6	6	7	7	6	6	6	6	1	1	2	7	1	0	3
18	6+	6	6	6	6o	6o	7-	7-	6	6	7	7	6	6	6	5	1	1	3	7	0	1	3
19	7-	6	6	6	6+	6o	7-	7o	6	6	7	7	6	6	6	6	1	1	2	7	0	1	2
20	6o	6	6	6	6o	6-	6+	6+	6	6	7	7	6	6	7	5	2	2	9	9	2	3	13
21	6+	6	6	6	6o	6-	7-	7-	6	6	7	7	6	6	6	6	2	1	6	11	3	2	12
22	6+	6	6	6	6o	6+	7-	7-	6	6	7	7	6	6	6	6	1	0	2	15	1	0	2
23	7-	6	6	6	6+	6+	7-	7o	6	6	7	7	6	6	6	6	2	1	4	15	2	0	3
24	6+	6	6	6	6+	6-	7-	7-	6	6	7	7	6	6	6	6	1	0	1	11	0	0	1
25	6+	6	6	6	6+	6o	7-	7-	6	6	7	7	6	6	6	6	1	1	4	7	1	1	3
26	6+	6	6	6	6+	6o	7-	7-	6	6	7	7	6	6	6	6	2	1	4	8	0	1	2
27	6+	6	6	6	6+	6+	7-	7-	6	6	7	7	6	6	6	6	1	1	3	15	0	0	1
28	6+	5	6	6	7-	6-	6+	6+	6	6	7	6	6	6	5	5	3	2	12	11	2	1	8
29	6+	5	6	6	7-	6o	7-	7-	6	6	7	6	5	5	5	5	2	0	3	7	1	0	3
30	6+	5	6	6	6+	6+	7-	7-	5	5	7	6	6	5	5	6	1	1	2	7	0	0	2
31	7-	6	6	7	6+	6o	7o	7-	6	6	7	7	6	6	6	6	0	1	2	3	0	0	1

QUIET	P	26	22 23 22 21
	S	5	8 5 9 10
	U	0	0 0 0 0
	F	0	0 0 0 0
DISTURBED	P	0	0 1 0 0
	S	0	0 2 0 0
	U	0	1 0 0 0
	F	0	0 0 0 0

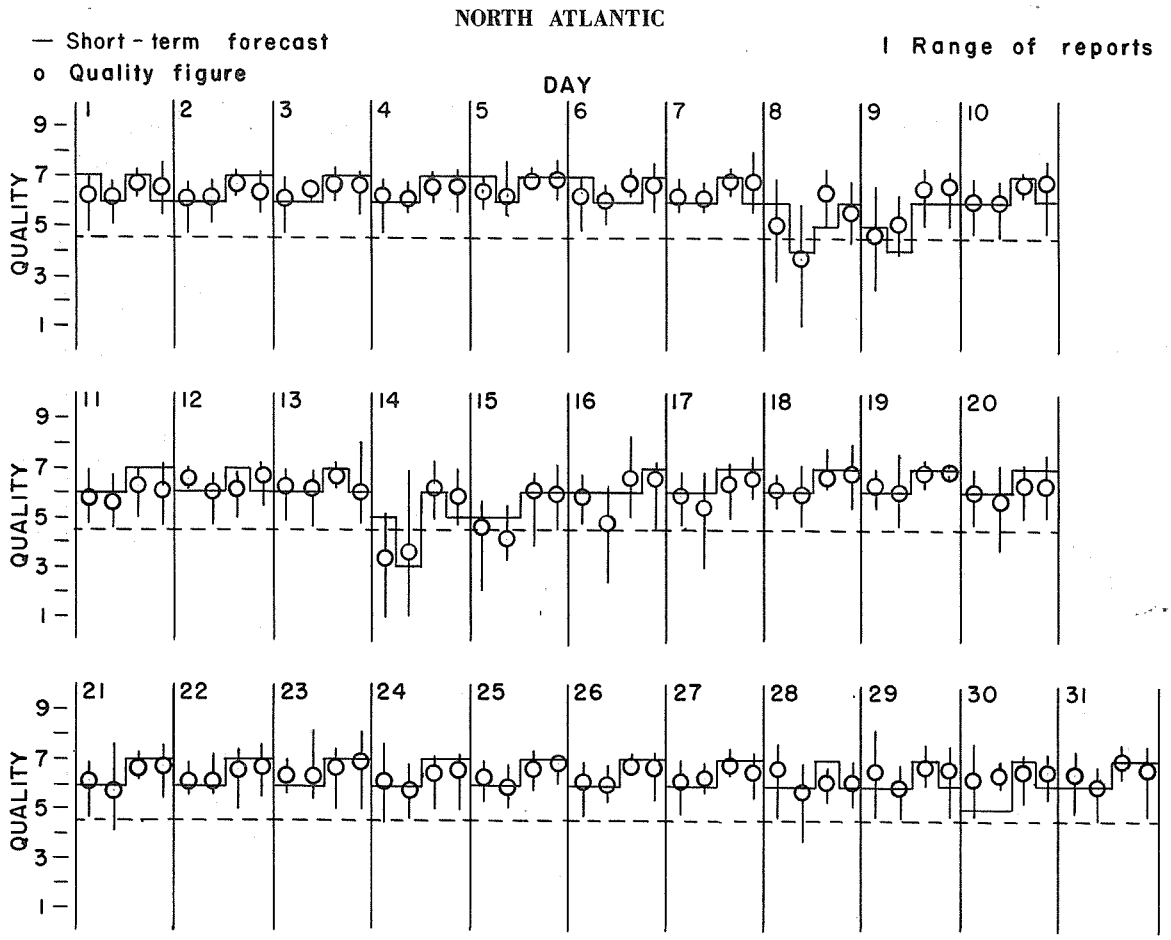
1) THE ADVANCE JC-FORECASTS ARE SCORED AGAINST THE AVERAGE HIGH LATITUDE WHOLE-DAY INDICES

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

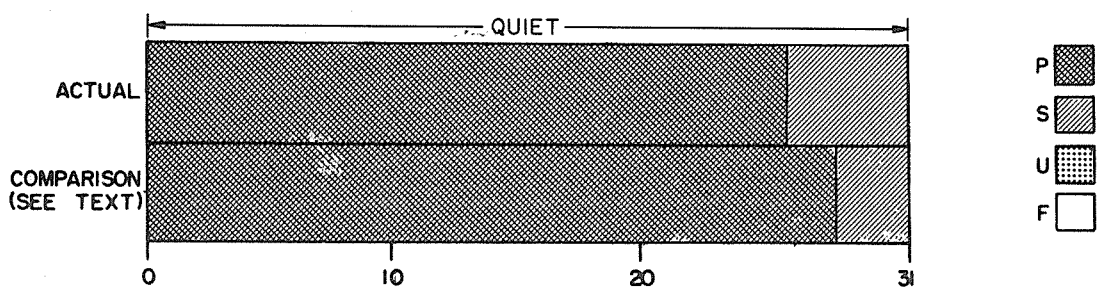
RADIO PROPAGATION QUALITY FIGURES AND FORECASTS

JANUARY 1967

NORTH ATLANTIC



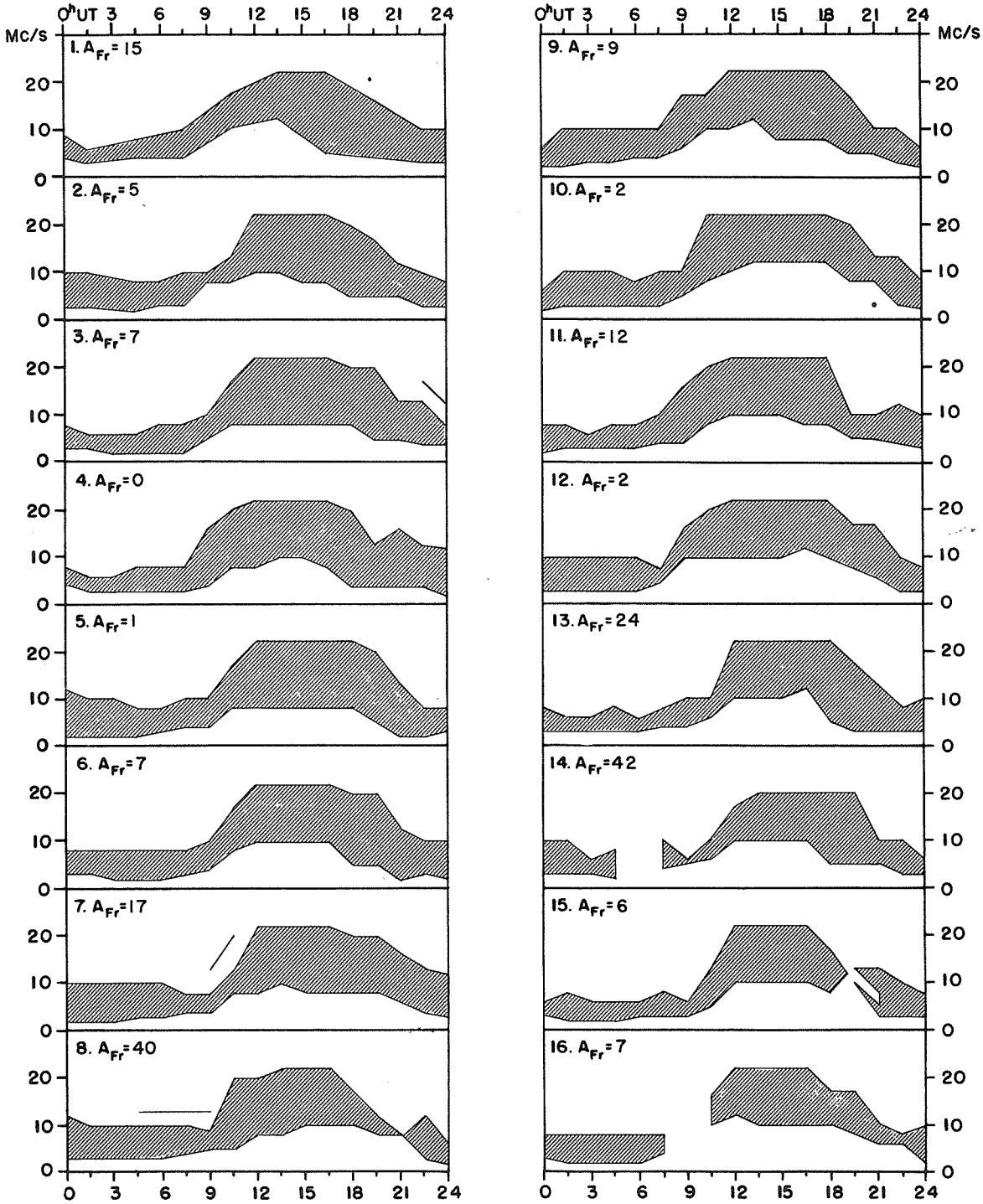
HIGH LATITUDE



The Comparison Graph for December 1966 published February 1967 in IER-FB-270 was in error. The perfect (P) and satisfactory (S) conditions were interchanged.

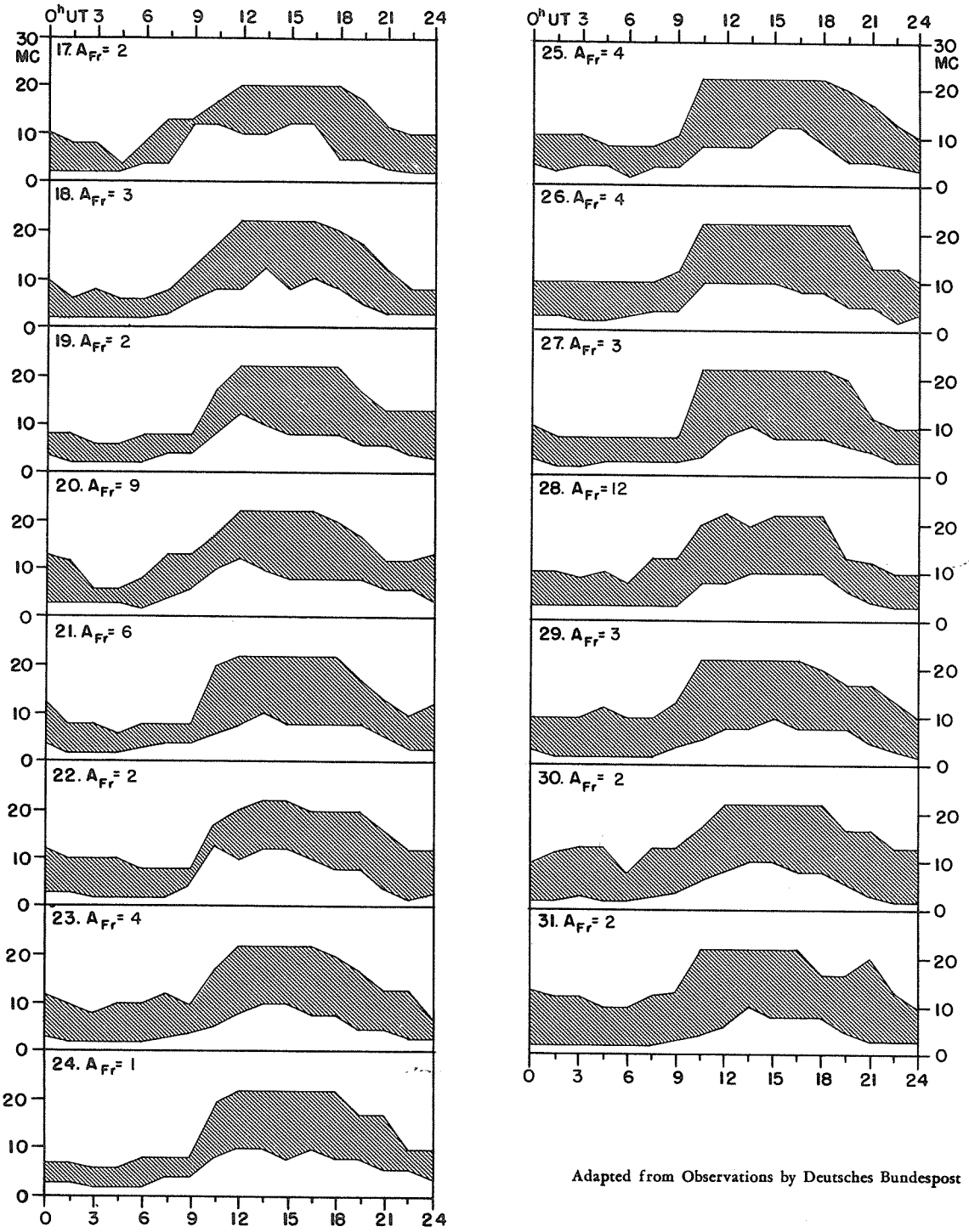
TRANSMISSION FREQUENCY RANGES--NORTH ATLANTIC PATH

JANUARY 1967



TRANSMISSION FREQUENCY RANGES--NORTH ATLANTIC PATH

JANUARY 1967



Adapted from Observations by Deutsches Bundespost

Table of Contents
for September 1966 Data

Solar X-ray Radiation

The automatic reduction programs will not operate on data for the low spin rates that were experienced in August and September, 1966. The hand reduced data will be published at a later date in the "miscellanea" section.

For explanations of the data contained herein see "Descriptive Text" published in February 1967.

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT DATE 1966 SEPT	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
392	01	0034	0041	0038	N21	W46	.725	8461	28.6	7	1-				.28				1 1 1
MANI	01	0034E	0041D	0038	N21	W46	.725	8461	28.6	7D	-B			0038	.31	.46			
393	01	0045	0104	0046	N22	W46	.728	8461	28.6	19	1-				.37				1 1 1
HALE	01	0045E	0104	0046	N22	W46	.728	8461	28.6	19D	-B	1	P	0046	.31	.50			
394	01	0104	0109	0106	N26	W39	.664	8461	29.1	5	1-				.25				1 1 1
HALE	01	0104E	0109D	0106	N26	W39	.664	8461	29.1	5D	-N	1	P	0106	.21	.30			
395	01	0200	0223	0204	N24	W37	.632	8461	29.3	23	1-				.75				2 2 2
MANI	01	0159	0224	0205	N23	W37	.628	8461	29.3	25	-N			0205	.62	.80			
MITK	01	0200	0222	0203	N24	W37	.632	8461	29.3	22	-N		C	0213	1.34	1.70			E
396	01	0308	0315	0310	N23	W48	.751	8461	28.5	7	1-				.13				1 1 1
MANI	01	0308	0315	0310	N23	W48	.751	8461	28.5	7	-N			0310	.15	.24			
397	01	0317	0340	0323	N22	W45	.717	8461	28.8	23	1-				1.00				1 1 1
HALE	01	0317	0340U	0323	N22	W45	.717	8461	28.8	23U	-N	1	P	0323	.83	1.20			
398	01	0344	0348	0345	N21	W47	.736	8461	28.6	4	1-				.25				1 1 1
HALE	01	0344E	0348D	0345U	N21	W47	.736	8461	28.6	4D	-N	1	P	0345	.21	.30			
399	01	0409	0426	0414	N21	W49	.758	8461	28.5	17	1-				.62				3 3 3
MITK	01	0409	0425	0414	N21	W49	.758	8461	28.5	16	-F		C	0414	1.34	2.00			E
TACH	01	0409	0433	0414	N23	W50	.772	8461	28.4	24	-N		C	0414	.91	1.40	3.00	69	D
MANI	01	0414E	0420		N20	W49	.756	8461	28.5	6D	-N			0414	.21	.21			
400	01	0624	0638	0631	N22	W49	.760	8461	28.6	14	1-				.64				1 1 1
MANI	01	0624	0638	0631	N22	W49	.760	8461	28.6	14	-F			0631	.72	1.10			
401	01	0655	0700		N21	W48	.747	8461	28.7	5	1-								1 1 0
ISTA	01	0655	0700		N21	W48	.747	8461	28.7	5	-								
402	01	0715	0726	0715	N23	W45	.719	8461	28.9	11	1-				.19				3 2 1
MANI	01	0712	0721	0715	N27	W40	.679	8461	29.3	9	-N			0715	.21	.28			
KAND	01	0715	0728		N21	W45	.714	8461	28.9	13	-F								
CAPS	01	0719	0728		N20	W50	.767	8461	28.6	9	-F	3		0725	.20	.30		155	E
403	01	0732	0746	0737	N23	W40	.663	8461	29.3	14	1-				.36				3 3 2
CAPS	01	0728	0744		N23	W39	.652	8461	29.4	16	-F	3		0735	.40	.50		157	H
MANI	01	0734	0746	0737	N26	W40	.675	8461	29.3	12	-N			0737	.36	.49			
ISTA	01	0734	0747		N21	W41	.668	8461	29.2	13	-								
404	01	0752	0757		N22	W42	.683	8461	29.2	5	1-								1 1 0
ISTA	01	0752	0757		N22	W42	.683	8461	29.2	5	-								
405	01	0840	0952		N25	W43	.704	8461	29.1	72	1-				.30				2 2 1
KAND	01	0840	1045		N25	W41	.682	8461	29.3	125	-N								
CAPS	01	0853E	0859		N24	W45	.722	8461	29.0	6D	-N	3		0854	.30	.40		170	
406	01	0857	0907		N23	W50	.772	8461	28.6	10	1-								1 1 0
KAND	01	0857	0907		N23	W50	.772	8461	28.6	10	-N								
407	01	0932	0943		N23	W50	.772	8461	28.6	11	1-								1 1 0
KAND	01	0932	0943		N23	W50	.772	8461	28.6	11	-N								
408	01	1020	1032		N23	W39	.652	8461	29.5	12	1-				.80				1 1 1
CAPS	01	1020	1032D		N23	W39	.652	8461	29.5	12D	-N	3		1026	.80	1.00		175	
409	01	1050	1111	1056	N22	W51	.780	8461	28.6	21	1-				1.18				4 4 4
KAND	01	1049	1340		N23	W49	.762	8461	28.8	171	1N			1056	2.26	2.80			
MONT	01	1052	1105		N23	W53	.801	8261	28.5	13	-N		C		1.51	2.00			
CAPS	01	1053E	1103		N20	W49	.756	8461	28.8	10D	-F	3		1055	.40	.70		157	
ABST	01	1054E	1343	1056	N21	W53	.798	8461	28.5	169D	1F		C	1056	1.53	2.45		59	DJK
410	01	1142	1156	1145	N26	W44	.718	8461	29.2	14	1-				1.39				4 4 4
KAND	01	1138	1301		N26	W41	.686	8461	29.4	83	1B			1153	2.50	2.90			
ABST	01	1144	1159	1145	N26	W46	.738	8461	29.0	15	-B		C	1145	1.08	1.59		80	EJK
MONT	01	1145	1151		N27	W45	.731	8461	29.1	6	-B		C		1.65	2.00			
CAPS	01	1146E	1158		N24	W45	.722	8461	29.1	12D	-B	3		1147	1.20	1.90		201	
411	01	1237	1247	1240	N26	W45	.686	8461	29.2	10	1-				.48				4 4 3
CAPS	01	1217E	1248		N24	W45	.722	8461	29.1	31D	-B	3		1241	.80	1.30		216	
KAND	01	1225	1300		N27	W40	.679	8461	29.5	35	-N								
HUAN	01	1237	1246	1239	N26	W45	.728	8461	29.2	9	-F	2	C	1239	.31	.38			
MCMA	01	1237	1247	1241	N26	W46	.738	8461	29.1	10	-B		C	1241	.26	.40			DH
412	01	1305	1313	1308	N22	W52	.790	8461	28.6	8	1-				.32				3 3 2
MCMA	01	1305	1312	1307	N22	W54	.809	8461	28.5	7	-N		C	1307	.26	.50			D
KAND	01	1305	1340		N23	W50	.772	8461	28.8	35	-N								
HUAN	01	1306	1313	1308	N22	W53	.800	8461	28.6	7	-F	2	C	1308	.31	.40			D
413	01	1320	1340	1328	N21	W54	.808	8461	28.5	20	1-				1.11				3 3 3
MCMA	01	1320	1342	1328	N22	W54	.809	8461	28.5	22	-N		C	1328	.62	1.10			D
HUAN	01	1321	1337	1328	N23	W53	.801	8461	28.6	16	-N	2	C	1328	.50	.65			E
CAPS	01	1325	1339D		N18	W55	.815	8461	28.4	14D	1N	3		1327	2.00	3.40		176	
414	01	1523	1542	1529	N21	W54	.808	8461	28.6	19	1-				1.30				4 4 4
LOCK	01	1520	1542	1528	N23	W56	.829	8461	28.4	22	-N		C	1528	1.20	2.00		20	
MCMA	01	1522	1538	1527	N22	W54	.809	8461	28.6	16	-B		C	1527	.83	1.40			DV
CAPS	01	1522	1539		N18	W55	.815	8461	28.5	17	1B	3		1529	1.90	3.20		210	
LOCA	01	1527	1547	1532	N21	W52	.788	8461	28.7	20	-F		V	1532	.85	1.30			
415	01	1634	1641	1637	N23	W55	.820	8461	28.6	7	1-				.39				2 2 2
LOCK	01	1633	1641	1637	N23	W56	.829	8461	28.5	8	-N		C	1637	.40	.70		10	
MCMA	01	1635	1640	1637	N22	W54	.809	8461	28.6	5	-F		C	1637	.26	.50			D

Erratum: Flare Group 254 on August 26, 1966 at 1730 published in IER-FB-270, February 1967 was importance 1- instead of 2 as reported.

SOLAR FLARES

REVISED

SEPTEMBER 1966

OBSERVATORY	OBSERVED UT DATE 1966 SEPT	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 Ha	MAX. INT. %	REMARKS
416	01	1642	1653	1645	N25	W46	.736	8461	29.2	11	1-				.43				2 2 2
LOCK	01	1640	1655	1645	N24	W46	.733	8461	29.2	15	-F		C	1645	.50	.80		10	
MCMA	01	1643	1650	1645	N26	W46	.738	8461	29.2	7	-F		C	1645	.26	.40			D
417	01	1726	1810	1734	N23	W56	.829	8461	28.5	44	1-				.79				2 2 2
LOCK	01	1724	1800	1736	N23	W56	.829	8461	28.5	36	-N		C	1736	1.00	1.70		10	
MCMA	01	1727	1820	1731	N22	W55	.818	8461	28.6	53	-B		C	1731	.36	.60			DKW
418	01	1855	1900	1857	N23	W56	.829	8461	28.6	5	1-				.37				2 2 2
LOCK	01	1854	1900	1857	N23	W56	.829	8461	28.6	6	-F		C	1857	.30	.50		10	
MCMA	01	1855	1859	1857	N22	W55	.818	8461	28.7	4	-N		C	1857	.31	.50			D
419	01	2027	2106	2041	N25	W49	.766	8461	29.2	39	1-				1.01				4 4 4
MCMA	01	2009	2115D	2025	N25	W47	.746	8461	29.3	66D	-N		C						
LOCK	01	2025	2042D	2042	N26	W48	.759	8461	29.3	17D	-N		C	2042	1.00	1.60		20	
HUAN	01	2035	2058	2041	N25	W49	.766	8461	29.2	23	-N	2	C	2041	.80	1.00			E
HALE	01	2037	2105U	2041	N24	W51	.784	8461	29.0	28U	-B	1	P	2041	.93	1.50			
420	01	2117	2134	2122	S26	E07	.557	8473	2.4	17	1-				.37				1 1 1
CULG	01	2117	2134	2122	S26	E07	.557	8473	2.4	17	-N		C	2122	.41	.48			G
421	01	2130	2141	2133	N22	W56	.828	8461	28.7	11	1-				.60				1 1 1
MCMA	01	2130	2141	2133	N22	W56	.828	8461	28.7	11	-N		C	2133	.41	.70			E
422	01	2146	2210	2152	N25	W49	.766	8461	29.2	24	1-				.70				2 2 2
LOCK	01	2145	2210	2152	N24	W50	.774	8461	29.2	25	-N		C	2152	.80	1.30		10	
MCMA	01	2147	2148D		N25	W47	.746	8461	29.4	1D	-B		P	2147	.41	.60			E
423	02	0008	0033	0013	N22	W59	.854	8461	28.6	25	1-				.95				3 3 3
MANI	02	0008	0026	0014	N22	W59	.854	8461	28.6	18	1N			0014	1.40	2.52			
CULG	02	0008	0034	0013	N21	W60	.861	8461	28.5	26	-N		C	0013	.62	1.14			
LOCK	02	0008	0040	0013	N22	W58	.845	8461	28.7	32	-N		C	0013	1.00	1.90		20	
424	02	0043	0055	0046	N26	W51	.788	8461	29.2	12	1-				.19				1 1 1
CULG	02	0043	0055	0046	N26	W51	.788	8461	29.2	12	-F		C	0046	.21	.32			
425	02	0207	0229	0210	N25	W51	.786	8461	29.3	22	1				1.48				4 4 4
CULG	02	0204	0242D	0208	N26	W51	.788	8461	29.3	38D	1B		P	0208	1.55	2.40			L
HALE	02	0206E	0210D	0208	N25	W51	.786	8461	29.3	4D	-B	2	P	0208	1.03	1.70			
MANI	02	0208E	0229	0214	N23	W50	.772	8461	29.3	21D	1N			0214	2.58	4.10			
VORO	02	0209	0216	0210	N25	W52	.795	8461	29.2	7	-F		C	0210	1.08	1.75		61	EH
426	02	0237	0241	0239	N21	W60	.861	8461	28.6	4	1-				.12				1 1 1
HALE	02	0237	0241	0239	N21	W60	.861	8461	28.6	4	-N	1	C	0239	.10	.20			
427	02	0256	0304	0258	N22	W53	.800	8461	29.1	8	1-				.31				1 1 1
MANI	02	0256	0304	0258	N22	W53	.800	8461	29.1	8	-F			0258	.36	.59			
428	02	0355	0410	0357	N23	W54	.810	8461	29.1	15	1-				.74				2 1 1
HALE	02	0351U	0412	0353	N24	W53	.803	8461	29.2	21U	-N	1	P	0353	.62	1.00			
MANI	02	0358	0407	0400	N22	W54	.809	8461	29.1	9	-N			0400	.67	1.12			
429	02	0542	0850	0600	N22	W58	.845	8461	28.9	188	3				9.84				13 5 5
MANI	02	0541E	0753D	0557	N22	W57	.837	8461	29.0	132D	2B			0557	5.16	8.90			
ABST	02	0542	0956	0558	N24	W56	.830	8461	29.0	254	3B		C	0601	18.01	18.00	96.40	113	FIJKLM
TACH	02	0543	0815	0551	N24	W57	.839	8461	29.0	152	3N		C	0557	6.01	7.20	8.10	180	UXYZ
CATA	02	0545E	0800D	0603	N25	W55	.823	8461	29.1	135D	3B			0603	9.33	17.14		345	
CAPS	02	0548E	0925	0602	N23	W55	.820	8461	29.1	217D	3B	3		0600	10.00	17.80		651	FIKX
IKOM	02	0610	0640D		N22	W58	.845	8461	28.9	30D	2B		V	0625	4.33	7.70	1.75	120	F
CULG	02	0611E	0716D	0611	N24	W56	.830	8461	29.1	65D	3B		P	0611	11.48	18.92			FL
MONT	02	0631	0930		N23	W61	.871	8461	28.7	179	2B		C		3.54	5.00			
KHAR	02	0645E	0808		N20	W60	.861	8461	28.8	83D	3N		P	0722	11.34	20.50	3.00		BEHKLQ
MEUD	02	0657E	0745		N20	W60	.861	8461	28.8	48D	2N			0700	3.61	7.50			U
KODA	02	0731E	0758D		N23	W56	.829	8461	29.1	27D	2B		P	0734	4.51	8.06			E
ARCE	02	0758E	0905D	0830	N19	W61	.869	8461	28.8	67D	2B		C	0830	4.69	11.10			C
HERS	02	0804E	0813D	0804	N21	W60	.861	8461	28.8	9D	-N		P	0804	.41	.70			BE
430	02	0602	0610	0604	N37	W47	.788	8460	29.7	8	1				1.66				1 1 1
CATA	02	0602E	0610D	0604	N37	W47	.788	8460	29.7	8D	1N			0604	1.66	2.76		190	
431	02	0812	0829		N23	E75	.958		8.0	17					1.67				1 0 1
UCCL	02	0812E	0829D		N23	E75	.958		8.0	17D			P	0829	3.09				E
432	02	1120	1140		N24	W57	.839	8461	29.2	20									1 0 0
KAND	02	1120E	1140D		N24	W57	.839	8461	29.2	20D									
433	02	1125	1140		N23	W66	.907	8461	28.5	15									1 0 0
KAND	02	1125	1140D		N23	W66	.907	8461	28.5	15D									
434	02	1304	1307	1304	N26	W62	.881	8461	28.9	3	1-				.66				2 1 1
ATHN	02	1304E	1307	1304	N26	W61	.873	8461	29.0	3D	-N	2		1304	.66	1.40	1.50		
HUAN	02	1305E	1307		N26	W62	.881	8461	28.9	2D	-F	2	P	1306	.25	.38			D
435	02	1401	1413	1404	N22	W67	.914	8461	28.6	12	1-				.33				2 2 2
HUAN	02	1359	1414		N22	W66	.907	8461	28.6	15	-F	1	C	1403	.31	.50			E
MCMA	02	1403	1412	1404	N21	W68	.920	8461	28.5	9	-F		C	1404	.26	.60			D
436	02	1430	1450	1432	N28	W25	.522	8470	31.7	20	1-				.29				1 1 1
MCMA	02	1430	1450	1432	N28	W25	.522	8470	31.7	20	-F		C	1432	.21	.20			D
437	02	1545	1558	1549	N22	W67	.914	8461	28.6	13	1-				.28				2 2 2
ATHN	02	1545E	1555D	1546	N24	W69	.927	8461	28.5	10D	-N	2		1546	.33	.90			
HUAN	02	1545	1558	1551	N20	W65	.900	8461	28.8	13	-F	2	C	1551	.25	.39			D
438	02	1755	1818	1758	N21	W67	.914	8461	28.7	23	1-				.63				2 1 1
MCMA	02	1755	1817	1758	N21	W68	.920	8461	28.6	22	-B		C	1758	.41	1.00			DH
HUAN	02	1801E	1818		N20	W66	.907	8461	28.8	17D	-F	1	P	1805	.25	.40			D

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERVATORY	OBSERVED UT DATE 1966 SEPT	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
439	02	1813	1837	1825	N32	W59	.866	8460	29.3	24	1-				.50				1 1 1
LOCK	02	1813	1837	1825	N32	W59	.866	8460	29.3	24	-F		C	1825	.50	1.00		10	L
440	02	2114	2152	2137	N23	W68	.920	8461	28.8	38	1-				.49				1 1 1
HALE	02	2114E	2152D	2137U	N23	W68	.920	8461	28.8	38D	-F	1	P	2137	.41				
441	02	2222	2247	2235	N27	W67	.916	8461	28.9	25	1-				.90				1 1 1
LOCK	02	2222	2247	2235	N27	W67	.916	8461	28.9	25	-N		C	2235	.90	2.00		20	H
442	02	2331	2338	2335	N25	W65	.901	8461	29.1	7	1-				.43				2 2 2
CULG	02	2330	2337	2335	N24	W64	.894	8461	29.2	7	-B		C	2335	.41				
LOCK	02	2331	2338	2335	N26	W66	.909	8461	29.0	7	-N		C	2335	.50	1.10		20	
443	03	0148	0203	0155	N23	W71	.938	8461	28.8	15	1-				.19				1 1 1
CULG	03	0148	0203	0155	N23	W71	.938	8461	28.8	15	-N		C	0155	.21				
444	03	0241	0247		N21	W04	.247	8474	2.8	6	1-				1.12				1 1 1
MANI	03	0241E	0247		N21	W04	.247	8474	2.8	6D	-F			0242	1.16	1.20			
445	03	0414	0421	0416	N20	W73	.949	8461	28.7	7	1-				.15				1 1 1
MANI	03	0414	0421	0416	N20	W73	.949	8461	28.7	7	-F			0416	.19	.42			
446	03	0433	0442	0435	N11	W09	.168	8483	2.5	9	1-				.19				1 1 1
CULG	03	0433	0442	0435	N11	W09	.168	8483	2.5	9	-N		C	0435	.21	.21			H
447	03	0447	0507	0451	N22	W72	.944	8461	28.8	20	1-				.70				2 2 2
ATHN	03	0445E	0502	0447	N23	W74	.954	8461	28.6	17D	-N	2		0447	.66				
MANI	03	0448	0512	0454	N21	W70	.932	8461	29.0	24	-N			0454	.83	1.74			
448	03	0606	0621	0611	N23	W74	.954	8461	28.7	15	1-				.26				2 2 2
CULG	03	0606	0616	0607	N24	W77	.967	8461	28.5	10	-N		C	0607	.21				
MANI	03	0606	0625	0614	N22	W70	.932	8461	29.0	19	-F			0614	.41	.87			
449	03	1013	1108	1043	N20	W76	.963	8461	28.7	55	1-				.77				3 2 2
CATA	03	1013E	1100D	1043	N22	W75	.958	8461	28.8	47D	-N			1043	.74			151	
CAPS	03	1014E	1108D		N15	W75	.960	8461	28.8	54D	1N	3		1018	.80			175	
ATHN	03	1048E	1105D	1055	N22	W78	.971	8461	28.6	17D	-N	2		1055	.33				
450	03	1042	1100	1049	N21	W85	.992	8461	28.1	18	1-				.17				1 1 1
CATA	03	1042E	1100D	1049	N21	W85	.992	8461	28.1	18D	-N			1049	.17			182	
451	03	1415	1436		N29	W74	.954	8461	29.0	21	1				.88				2 2 2
MONT	03	1413	1427		N25	W77	.967	8461	28.8	14	1N		C		1.34	3.00			
HUAN	03	1417	1445D		N32	W71	.940	8460	29.3	28D	-F	1	P	1428	.57				D
452	03	1536	1544	1539	N25	W48	.756	8467	31.1	8	1-				.67				2 2 2
LOCK	03	1534	1545	1539	N25	W47	.746	8467	31.1	11	-B		C	1539	.80	1.20		30	
HUAN	03	1537	1543		N24	W48	.753	8467	31.1	6	-N	1	C	1538	.57	.71			E
453	03	1622	1713	1624	N21	W79	.975	8461	28.8	51	1-				.37				1 1 1
HALE	03	1622E	1713	1624	N21	W79	.975	8461	28.8	51D	-N	1	P	1624	.31				T
454	03	1759	1811	1804	N19	W84	.990	8461	28.4	12	1-				.18				1 1 1
HALE	03	1759	1811	1804	N19	W84	.990	8461	28.4	12	-N	1	C	1804	.15				J
455	03	1920	1939	1937	N22	W81	.982	8461	28.7	19	1-				.25				1 1 1
HALE	03	1920	1939	1937U	N22	W81	.982	8461	28.7	19	-N	1	C	1937	.21				T
456	03	2052	2113	2057	N22	W84	.990	8461	28.6	21	1-				.25				1 1 1
HALE	03	2052U	2113D	2057	N22	W84	.990	8461	28.6	21D	-N	1	P	2057	.21				TJ
457	03	2254	2312	2300	N19	W86	.994	8461	28.5	18	1-				.31				3 3 3
HALE	03	2252E	2305D	2301	N19	W84	.990	8461	28.7	13D	-B	1	P	2301	.41				ET
LOCK	03	2255	2310	2300	N19	W85	.992	8461	28.6	15	-F		C	2300	.30	1.00		10	
CULG	03	2259E	2313	2259	N19	W89	.998	8461	28.3	14D	-N		P	2259	.21				
458	03	2347	0003	2353	N22	W86	.994	8461	28.5	16	1				.44				3 2 2
HALE	03	2333E	0010U	2353	N22	W84	.990	8461	28.7	37U	1B	1	P	2353	.52				ET
LOCK	03	2346	2351	2348	N24	W85	.991	8461	28.6	5	-F		C	2348	.30	1.00		10	H
CULG	04	2402	0008	0004	N19	W88	.997	8461	29.4	6	-N		C	0004	.21				
459	04	0042	0048	0044	N24	W85	.991	8461	28.7	6	1-				.25				1 1 1
LOCK	04	0042	0048	0044	N24	W85	.991	8461	28.7	6	-F		C	0044	.30	1.00		10	H
460	04	0412	0519	0429	N21	W86	.994	8461	28.7	67	2+				3.56				7 5 5
CULG	04	0405	0519	0438	N20	W90	.999	8461	28.4	74	1N		P	0438	4.43				*
MANI	04	0410	0427D	0419	N22	W84	.990	8461	28.9	17D	3B			0419	5.00	13.20			
MITK	04	0415E	0423D		N21	W90	.999	8461	28.4	8D	3N		C	0418	5.57				FH
IKOM	04	0420	0515D		N22	W83	.987	8461	29.0	55D	1N		V	0425	.62				D
HALE	04	0425E	0432D	0426U	N21	W87	.996	8461	28.7	7D	B	1	P	0426	2.58				F
KODA	04	0429E	0435D		N20	W80	.979	8461	29.2	6D	3B		S						D
TACH	04	0430E	0500D	0431	N20	W86	.994	8461	28.7	30D	2F		C	0431	3.65		3.90	69	YZ
461	04	0600	0745		N21	W90	.999	8461	28.5	105	1-								1 1 0
ISTA	04	0600E	0745		N21	W90	.999	8461	28.5	105D	1								
462	04	0935	0935		N21	W90	.999	8461	28.6		1				.68				1 1 1
ARCE	04	0935E	0935D		N21	W90	.999	8461	28.6		1N		C	0935	.68	3.80			A
463	04	1255	1259		N22	W90	.999	8461	28.8	4	1-								1 1 0
MCMA	04	1255E	1259D		N22	W90	.999	8461	28.8	4D	-F		P						B
464	04	1338	1351	1339	N28	W59	.860	8467	31.1	13	1-				.33				1 1 1
ATHN	04	1338E	1351	1339	N28	W59	.860	8467	31.1	13D	-B	2		1339	.33	.60	2.00		
465	04	1353	1402		N30	W62	.885	8467	30.9	9	1-				.17				1 1 1
HUAN	04	1353E	1402		N30	W62	.885	8467	30.9	9D	-F	1	P	1355	.21	.31			D
466	04	1434	1502		N23	W90	.999	8461	28.9	28	1				.14				1 1 1
HUAN	04	1434E	1502		N23	W90	.999	8461	28.9	28D	-F	1	P	1440	.21				D

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT DATE 1966 SEPT	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
467	04	1744	1805	1750	N29	W65	.904	8467	30.9	21	1-				.81				2 2 2
LOCK	04	1740	1802	1750	N28	W64	.896	8467	30.9	22	-F		C	1750	.80	1.70		10	
MCMA	04	1747	1807		N29	W65	.904	8467	30.9	20	-N		P	1750	.52	1.20			E
468	04	1756	1807	1758	N23	W88	.997	8461	29.1	11	1-				.30				4 3 3
LOCK	04	1755	1807	1759	N24	W85	.991	8461	29.4	12	-N		C	1759	.30	1.00		20	H
MCMA	04	1756E	1759D		N22	W90	.999	8461	29.0	3D	-N		P						D
HUAN	04	1756	1803		N23	W90	.999	8461	29.0	7	-N	1	C	1759	.31				E
HALE	04	1756	1810	1757	N22	W87	.995	8461	29.2	14	N	1	C	1757	.36				
469	04	2020	2050	2030	N24	W85	.991	8461	29.5	30	1-				.25				1 1 1
LOCK	04	2020	2050	2030	N24	W85	.991	8461	29.5	30	-F		C	2030	.30	1.00		10	H
470	04	2145	2219	2158	N27	W79	.974	8461	30.0	34	1-				.31				2 2 2
LOCK	04	2140	2210	2153	N24	W85	.991	8461	29.5	30	-F		C	2153	.30	1.00		10	
CULG	04	2149	2227	2202	N29	W73	.949	8467	30.4	38	-N		C	2202	.41				
471	04	2152	2220	2203	N29	W69	.928	8467	30.7	28	1				.89				1 1 1
LOCK	04	2152	2220	2203	N29	W69	.928	8467	30.7	28	1N		C	2203	.90	2.10		20	
472	04	2317	2344	2330	N29	W70	.934	8467	30.7	27	1-				.47				1 1 1
LOCK	04	2317	2344	2330	N29	W70	.934	8467	30.7	27	-F		C	2330	.50	1.20		10	
473	05	0038	0049	0042	N29	W70	.934	8467	30.8	11	1-				.19				1 1 1
CULG	05	0038	0049	0042	N29	W70	.934	8467	30.8	11	-N		C	0042	.21				
	05	0100	0140	NO FLARE PATROL															
474	05	0349	0409	0355	N29	W70	.934	8467	30.9	20	1-				.27				2 2 2
HALE	05	0348	0407	0356	N29	W71	.939	8467	30.8	19	-N	1	C	0356	.21				
CULG	05	0350	0410	0353	N28	W69	.928	8467	31.0	20	-N		C	0358	.31				
475	05	0511	0526	0515	N28	W71	.939	8467	30.9	15	1-				.28				1 1 1
CULG	05	0511	0526	0515	N28	W71	.939	8467	30.9	15	-N		C	0515	.31				
476	05	0812	1020		N30	W75	.958	8467	30.7	128	1-								1 1 0
KAND	05	0812	1020		N30	W75	.958	8467	30.7	128	-N								
477	05	1109	1226		N22	E90	.999	8496	12.2	77	2+								1 1 0
KAND	05	1109	1226D		N22	E90	.999	8496	12.2	77D	2B								
478	05	1256	1302	1256	N28	W76	.963	8467	30.8	6	1-				.16				1 1 1
MEUD	05	1256	1302	1256	N28	W76	.963	8467	30.8	6	-N			1256	.21				D
479	05	1309	1315	1309	N29	W72	.944	8467	31.1	6	1-				.16				1 1 1
MEUD	05	1309	1315	1309	N29	W72	.944	8467	31.1	6	-F			1309	.21				E
480	05	1507	1510		N33	W75	.959	8567	31.0	3	1-				.18				1 1 1
UCCL	05	1507E	1510D		N33	W75	.959	8567	31.0	3D	1N		P	1509	.26				E
481	05	1608	1635	1616	N27	W79	.974	8467	30.7	27	1-				.46				2 2 2
LOCK	05	1608	1635	1615	N26	W79	.974	8467	30.7	27	-F		C	1615	.30	.90		10	
MCMA	05	1611E	1620D	1616	N28	W78	.970	8467	30.8	9D	-N		P	1616	.41	1.50			D
482	05	1651	1706	1654	N29	W74	.954	8467	31.2	15	1-				.26				3 2 2
LOCK	05	1650	1700	1655	N27	W74	.954	8467	31.2	10	-N		C	1655	.30	.80		10	
HALE	05	1651	1704	1653	N29	W75	.958	8467	31.1	13	-N	1	C	1653	.21				
MEUD	05	1656E	1715		N30	W72	.945	8467	31.3	19D	-N			1656	.26				
483	05	1748	1815	1752	N28	W78	.970	8467	30.9	27	1-				.44				3 3 3
LOCK	05	1747	1815	1753	N27	W77	.967	8467	31.0	28	-N		C	1753	.40	1.20		20	
HALE	05	1749	1814	1751	N30	W78	.970	8467	30.9	25	-N	1	C	1751	.26				
MCMA	05	1752E	1816		N28	W79	.974	8467	30.8	24D	-N		C	1753	.41	1.50			D
484	05	1924	1931	1926	N28	W77	.967	8467	31.0	7	1-				.49				3 3 3
LOCK	05	1923	1932	1926	N27	W77	.967	8467	31.0	9	-F		C	1926	.30	.90		10	
HALE	05	1924	1930	1925	N30	W75	.958	8467	31.2	6	-N	1	C	1925	.31				
MCMA	05	1925	1930	1926	N28	W80	.977	8467	30.8	5	-N		C	1926	.52				E
485	05	2025	2052	2034	N28	W77	.967	8467	31.1	27	1-				.39				3 3 3
LOCK	05	2020	2045	2025	N27	W74	.954	8467	31.3	25	-N		C	2025	.40	1.10		20	
HUAN	05	2023	2052	2033	N28	W79	.974	8467	30.9	29	-F	2	C	2033	.57				E
HALE	05	2031	2100	2034	N30	W78	.970	8467	31.0	29	-N	1	C	2034	.36				
486	05	2116	2125	2119	N27	W77	.967	8467	31.1	9	1-				.26				1 1 1
LOCK	05	2116	2125	2119	N27	W77	.967	8467	31.1	9	-F		C	2119	.30	.90		10	
487	05	2241	2252	2245	N27	W81	.981	8467	30.9	11	1-				.33				2 2 2
LOCK	05	2240	2253	2245	N26	W80	.978	8467	30.9	13	-F		C	2245	.40	1.20		10	
HALE	05	2242	2250	2244	N28	W81	.981	8467	30.9	8	-N	1	C	2244	.26				
488	05	2332	2351	2340	N26	W80	.978	8467	31.0	19	1-				.35				1 1 1
LOCK	05	2332	2351	2340	N26	W80	.978	8467	31.0	19	-F		C	2340	.40	1.20		10	
	06	0040	0100	NO FLARE PATROL															
	06	0120	0305	NO FLARE PATROL															
489	06	0329	0343	0331	N22	E90	.999	8496	12.9	14	1				.58				1 1 1
MITK	06	0329	0343	0331	N22	E90	.999	8496	12.9	14	1F		C	0331	.83				
490	06	0420	0425	0421	N22	E88	.997	8496	12.8	5	1				.79				2 1 1
MITK	06	0420	0423	0421	N22	E90	.999	8496	12.9	3	1F		C	0421	1.13				
MANI	06	0422E	0426D		N21	E85	.992	8496	12.6	4D	-N				.36	1.00			
491	06	0750	0933		N22	E86	.994	8496	12.8	103	1-								2 1 .0
ISTA	06	0750E	0820		N21	E88	.997	8496	12.9	30D	-								
KAND	06	0810E	1045		N22	E83	.987	8496	12.6	155D									
492	06	0758	0810	0758	N30	W85	.990	8467	31.0	12	1-				.16				1 1 1
MEUD	06	0758	0810	0758	N30	W85	.990	8467	31.0	12	-F			0758	.21				

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 SEP	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. %	
493	06	0825	0840		N32	E86	.992	8497	12.8	15	1				.26				1 1 1
ARCE	06	0825E	0840D		N32	E86	.992	8497	12.8	15D	-F		C	0825	.26	1.10			
494	06	0855	0910		N29	W90	.998	8467	30.6	15	1				.32				1 1 1
ARCE	06	0855E	0910D		N29	W90	.998	8467	30.6	15D	-F		C	0900	.32	1.80			
495	06	0950	1005		N24	E88	.997	8496	13.0	15	1				.58				1 1 1
ARCE	06	0950E	1005D		N24	E88	.997	8496	13.0	15D	1N		C	0950	.58	2.90			
496	06	0950	1005		N27	W86	.993	8467	31.0	15	1				.45				1 1 1
ARCE	06	0950E	1005D		N27	W86	.993	8467	31.0	15D	-N		C	0955	.45	1.90			
497	06	1019	1027	1020	N21	E80	.979	8496	12.4	8	1-				.42				1 1 1
MEUD	06	1019	1027	1020	N21	E80	.979	8496	12.4	8	-N			1020	.52				
498	06	1220	1232	1223	N28	W85	.991	8467	31.1	12	1-				.36				2 2 2
ATHN	06	1220E	1231	1225	N28	W82	.983	8467	31.4	11D	-N	2		1225	.50		1.40		
HUAN	06	1220	1232	1221	N28	W88	.996	8467	30.9	12	-F	2	C	1221	.21				D
499	06	1222	1227	1224	N19	E85	.992	8496	12.9	5	1-				.39				1 1 1
ATHN	06	1222	1227	1224	N19	E85	.992	8496	12.9	5	-F	2		1224	.33		1.20		
500	06	1238	1243		N33	W90	.998	8567	30.8	5					.15				1 0 1
UCCL	06	1238E	1243D		N33	W90	.998	8567	30.8	5D			P	1239	.21				D
501	06	1440	1503		N33	W90	.998	8567	30.9	23					.15				1 0 1
UCCL	06	1440E	1503D		N33	W90	.998	8567	30.9	23D			P	1502	.21				D
502	06	1453	1511	1454	N22	E80	.978	8496	12.6	18	1-				.29				2 2 2
HUAN	06	1453	1505		N22	E80	.978	8496	12.6	12	-F	1	C	1455	.21				D
MCMA	06	1453	1516	1454	N22	E80	.978	8496	12.6	23	-N		C	1454	.26				D
503	06	1632	1646	1641	N23	E76	.963	8496	12.4	14	1-				.25				1 1 1
HALE	06	1632	1646	1641	N23	E76	.963	8496	12.4	14	-N	3	C	1641	.21				
504	06	1739	1740		N34	E78	.970	8497	12.6	1	1-				1.00				1 1 1
MCMA	06	1739E	1740D		N34	E78	.970	8497	12.6	1D	-F		P	1739	.62				E
505	06	1941	1959	1946	N23	E75	.958	8496	12.4	18	1-				.25				1 1 1
HALE	06	1941	1959	1946	N23	E75	.958	8496	12.4	18	-N	2	C	1946	.21				
506	07	0309	0314	0311	N24	E66	.908	8496	12.1	5	1-				.12				1 1 1
HALE	07	0309	0314	0311	N24	E66	.908	8496	12.1	5	-N	1	C	0311	.10				
507	07	0840	0855	0850	N28	E46	.744	8491	10.8	15	1-				.74				1 1 1
ARCE	07	0840	0855D	0850	N28	E46	.744	8491	10.8	15D	-F		C	0850	.74	1.10			EC
508	07	0850	0915		N22	E67	.914	8496	12.4	25	1-				.32				1 1 1
ARCE	07	0850E	0915D		N22	E67	.914	8496	12.4	25D	-N		C	0850	.32	.70			
509	07	1259	1305	1301	N22	E66	.907	8496	12.5	6	1-				.44				D 6 6 6
MCMA	07	1258	1305	1300	N22	E65	.900	8496	12.4	7	-N		C	1300	.26	.50			DH
CAPS	07	1258E	1306		N21	E64	.892	8496	12.3	8D	-F	3		1259	.30			150	D
UCCL	07	1259	1304	1301	N23	E65	.900	8596	12.4	5	-B		C	1301	.31				D
MEUD	07	1259	1303	1300	N21	E63	.885	8496	12.3	4	-N			1300	.46	1.00			D
ONDR	07	1259E	1303D		N23	E64	.893	8496	12.3	4D	-N		V	1259			1.70		CDH
KIEV	07	1259E	1305D	1301	N23	E73	.949	8496	13.0	6D	-F		C	1301	1.03			50	DI
510	07	1510	1522	1516	N21	E64	.892	8496	12.4	12	1-				.60				1 1 1
LOCK	07	1510	1522	1516	N21	E64	.892	8496	12.4	12	-F		C	1516	.60	1.30		10	
511	07	2112	2153	2121	N23	E62	.878	8496	12.5	41	1				1.24				5 5 5
LOCK	07	2105	2153	2125	N21	E60	.861	8496	12.4	48	1N		C	2125	1.30	2.60		20	
CULG	07	2109E	2159	2119	N23	E65	.900	8496	12.8	50D	-B		P	2119	1.03				
MCMA	07	2112E	2139D	2120	N23	E62	.878	8496	12.5	27D	1B		C	2120	1.03	2.40			EL
HUAN	07	2116	2125D		N23	E60	.863	8496	12.4	9D	-N	1	P	2122	1.13	1.75			E
HALE	07	2116	2146	2121	N24	E62	.879	8496	12.5	30	1B	1	C	2121	1.24	2.60			
512	07	2315	2330	2321	N21	E56	.826	8496	12.2	15	1-				.19				1 1 1
LOCK	07	2315	2330	2321	N21	E56	.826	8496	12.2	15	-F		C	2321	.20	.40		10	
513	08	0032	0053	0044	N21	E55	.817	8496	12.1	21	1-				.30				3 3 3
LOCK	08	0020	0055	0045	N21	E54	.808	8496	12.1	35	-F		C	0045	.40	.70		10	
CULG	08	0035	0055	0044	N22	E57	.836	8496	12.3	20	-N		C	0044	.21	.34			F
HALE	08	0040	0048	0044	N21	E55	.817	8496	12.2	8	-F	1	C	0044	.26	.50			
514	08	0250	0320	0255	N22	E54	.809	8496	12.2	30	1-				.25				2 2 2
CULG	08	0249E	0305D	0257	N22	E57	.836	8496	12.4	16D	-N		P	0257	.21	.34			
HALE	08	0250	0320	0253	N22	E51	.780	8496	11.9	30	-N	1	C	0253	.26	.40			
515	08	0450	0457	0454	N24	E60	.863	8496	12.7	7	1-				.19				1 1 1
CULG	08	0450	0457	0454	N24	E60	.863	8496	12.7	7	-N		C	0454	.21	.40			
516	08	0526	0550	0536	N25	E61	.872	8496	12.8	24	1-				.88				2 2 2
CULG	08	0518	0550	0535	N25	E60	.864	8496	12.7	32	-N		C	0535	.41	.80			
TACH	08	0534	0545D	0537	N25	E61	.872	8496	12.8	11D	1N		C	0537	1.55	3.00	2.60	60	E
517	08	0913	0926		S22	W15	.541	8484	7.3	13	1-				.35				1 1 1
ARCE	08	0913E	0926D		S22	W15	.541	8484	7.3	13D	-F		C	0915	.36	.40			H
518	08	1104	1112	1106	S22	W07	.501	8484	7.9	8	1-				.20				1 1 1
MEUD	08	1104	1112	1106	S22	W07	.501	8484	7.9	8	-F			1106	.26	.30			E
519	08	1143	1203	1145	S22	W15	.541	8484	7.4	20	1-				.28				1 1 1
MEUD	08	1143	1203	1145	S22	W15	.541	8484	7.4	20	-F			1145	.36	.40			E
520	08	1615	1639	1620	N22	E52	.790	8496	12.6	24	1				1.13				2 2 2
HUAN	08	1615	1627	1620	N21	E52	.788	8496	12.6	12	-N	1	C	1620	.58	.74			E
MCMA	08	1615	1650	1620	N22	E51	.780	8496	12.5	35	1B		C	1620	1.24	2.00			ELV
521	08	1650	1715	1700	N20	E51	.777	8496	12.5	25	1-				.40				1 1 1
LOCK	08	1650	1715	1700	N20	E51	.777	8496	12.5	25	-F		C	1700	.40	.60		10	

SOLAR FLARES
REVISED
SEPTEMBER 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 SEPT																		
522	08	1837	1944	1911	N21	E51	.778	8496	12.6	67	1-				1.37				3 2 2
LOCK	08	1807	1947	1911	N20	E50	.766	8496	12.5	100	-N		C	1911	1.20	1.90		20	
MCMA	08	1907	1940	1910	N22	E51	.780	8496	12.6	33	-B		C	1910	1.03	1.60			EV
HUAN	08	1916E	1920D		N21	E52	.788	8496	12.7	4D	-N	1	P	1916	.62	.79			E
523	08	2003	2011	2006	N36	E52	.823	8497	12.7	8	1-				.44				2 2 2
HUAN	08	2003E	2006D		N36	E51	.815	8497	12.7	3D	-F	1	P	2005	.31	.42			D
MCMA	08	2003	2011	2006	N36	E52	.823	8497	12.7	8	-N		C	2006	.41	.70			D
524	08	2331	0005	2336	S20	W25	.598	8484	7.1	34	1-				.45				2 2 2
LOCK	08	2328	2335D	2335	S19	W26	.597	8484	7.0	7D	-F		C	2335	.40	.50		10	
HALE	08	2333	0005	2337	S20	W24	.589	8484	7.2	32	-N	1	C	2337	.41	.50			
525	08	2336	0000	2357	N22	W50	.770	8494	5.2	24	1-				.47				1 1 1
CULG	08	2336	0000D	2357	N22	W50	.770	8494	5.2	24D	-N		C	2357	.52	.75			
526	08	2345	0018	2356	N22	E49	.759	8496	12.7	33	1				1.20				2 2 2
LOCK	08	2344	0020	2355	N20	E50	.766	8496	12.7	36	1N		C	2355	1.40	2.20		20	
HALE	08	2345	0016	2356	N23	E48	.751	8496	12.6	31	-B	1	C	2356	.72	1.10			
527	09	0026	0043	0029	N24	W50	.773	8494	5.3	17	1-				.37				1 1 1
CULG	09	0026	0043	0029	N24	W50	.773	8494	5.3	17	-N		C	0029	.41	.60			L
528	09	0028	0046	0033	N23	E48	.751	8496	12.6	18	1-				.82				1 1 1
LOCK	09	0028	0046	0033	N23	E48	.751	8496	12.6	18	-F		C	0033	.80	1.20		10	
529	09	0143	0203	0144	S18	W26	.588	8484	7.1	20	1-				.25				1 1 1
HALE	09	0143	0203	0144	S18	W26	.588	8484	7.1	20	-F	1	C	0144	.21	.30			
530	09	0210	0234	0212	S18	W28	.608	8484	7.0	24	1-				.12				1 1 1
HALE	09	0210	0234	0212	S18	W28	.608	8484	7.0	24	-F	1	C	0212	.10	.11			
531	09	0325	0400	0330	S18	W28	.608	8484	7.0	35	1-				.12				1 1 1
HALE	09	0325	0400	0330	S18	W28	.608	8484	7.0	35	-F	1	C	0330	.10	.11			
532	09	0624	0634	0625	S21	W26	.617	8484	7.3	10	1-				.37				1 1 1
CULG	09	0624	0634	0625	S21	W26	.617	8484	7.3	10	-F		C	0626	.41	.52			
533	09	0720	0735		S15	W45	.764	8484	5.9	15	1-								1 1 0
ISTA	09	0720	0735		S15	W45	.764	8484	5.9	15	-								
534	09	0724	0742	0729	S22	W25	.618	8484	7.4	18	1-				1.38				7 6 4
MONT	09	0721	0745		S22	W28	.644	8484	7.2	24	-B		C		1.78	2.00			
NERA	09	0724	0730		S21	W22	.582	8484	7.7	6	1	2							
BUCA	09	0724	0745D		S21	W29	.644	8484	7.1	21D	1N		C	0729	2.25	2.90			
ATHN	09	0724E	0744	0727	S23	W27	.645	8484	7.3	20D	-N	2		0727	.93	1.20	1.70		
KAND	09	0726	0747		S22	W24	.609	8484	7.5	21	-N								
CATA	09	0726E	0746D	0731	S23	W27	.645	8484	7.3	20D	-B			0731	1.02	1.31		202	
CAPS	09	0730E	0740D		S24	W20	.600	8484	7.8	10D	-F	2							
535	09	0818	1006		S20	W30	.645	8484	7.1	108	1-				.39				2 2 1
BUCA	09	0815	0824D		S20	W30	.645	8484	7.1	9D	-F		P	0822	.56	.70			
KAND	09	0820	1006		S20	W30	.645	8484	7.1	106	-N								
536	09	0815	0820		N23	E47	.740	8596	12.9	5	1-								1 1 0
UCCL	09	0815	0820		N23	E47	.740	8596	12.9	5	-N		C						D
537	09	1058	1106	1100	S23	E37	.733	8495	12.2	8	1-				.32				2 2 2
ATHN	09	1057	1105	1059	S22	E38	.736	8495	12.3	8	-N	2		1059	.39	.50	1.50		
MEUD	09	1058	1106	1100	S23	E35	.715	8495	12.1	8	-N			1100	.31	.40			D
538	09	1328	1350	1333	S23	W24	.620	8484	7.8	22	1-				.35				1 1 1
ARCE	09	1328	1350D	1333	S23	W24	.620	8484	7.8	22D	-N		C	1333	.35	.40			C
539	09	1350	1420		S20	W35	.694	8484	7.0	30	1-				1.14				1 1 1
ARCE	09	1350	1420D		S20	W35	.694	8484	7.0	30D	-N		C	1415	1.12	1.50			C
540	09	1425	1500	1432	S20	W35	.694	8484	7.0	35	1-				.60				5 4 4
MCMA	09	1422	1505	1434	S22	W35	.708	8484	7.0	43	-B		C	1434	.31	.40			EK
HUAN	09	1428	1456		S20	W36	.703	8484	6.9	28	-N	1	C	1436	.41	.48			E
ATHN	09	1429E	1459	1430	S20	W32	.664	8484	7.2	30D	-N	2		1430	.83	1.10	1.70		
UCCL	09	1431E	1457D		S19	W38	.716	8484	6.8	26D	1N		P	1437	1.03	2.10			D
CAPS	09	1436E	1459		S21	W34	.691	8484	7.1	23D	-N	3		1437	.40	.60		166	
541	09	1507	1517	1509	N21	E38	.632	8496	12.5	10	1-				.50				1 1 1
ATHN	09	1507	1517D	1509	N21	E38	.632	8496	12.5	10D	-N	2		1509	.50	.60	1.30		
542	09	1727	1737	1727	N22	E31	.549	8496	12.1	10	1-				.37				1 1 1
HALE	09	1727	1737	1727	N22	E31	.549	8496	12.1	10	-N	3	C	1727	.31	.40			E
543	09	1934	1954	1937	N22	E31	.549	8496	12.1	20	1-				.46				2 2 2
LOCK	09	1934	1952	1937	N22	E32	.562	8496	12.2	18	-N		C	1937	.60	.70		10	
HALE	09	1937E	1955		N22	E30	.537	8496	12.1	18D	-N	2	P	1937	.26	.30			E
544	09	1950	2000	1955	S19	W36	.696	8484	7.1	10	1-				.37				1 1 1
HALE	09	1950	2000	1955	S19	W36	.696	8484	7.1	10	-F	1	C	1955	.31	.40			
545	09	2217	2246	2225	N23	E34	.591	8496	12.5	29	1-				1.14				2 2 2
LOCK	09	2213	2250	2224	N22	E35	.599	8496	12.6	37	-N		C	2224	1.20	1.60		20	
HALE	09	2220	2242	2225	N23	E32	.567	8496	12.3	22	-N	2	C	2225	.83	1.00			
546	10	0212	0222	0216	S19	W42	.755	8484	6.9	10	1-				.37				1 1 1
HALE	10	0212	0222D	0216	S19	W42	.755	8484	6.9	10D	-N	1	P	0216	.31	.50			
547	10	0500	0512	0507	N22	E31	.549	8496	12.5	12	1-				.56				1 1 1
CULG	10	0500	0512	0507	N22	E31	.549	8496	12.5	12	-N		C	0507	.62	.68			L
548	10	0600	0655		S20	W45	.788	8484	6.9	55	1-				.09				1 1 1
IKOM	10	0600	0655D		S20	W45	.788	8484	6.9	55D	-F		V	0645	.31	.50			D

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERV-ATORY	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 SEP																		
549	10	0608	0654	0608	N22	E31	.549	8496	12.6	46	1				2.42				5 2 2
ATHN	10	0603	0647	0608	N23	E32	.567	8496	12.7	44	1N	2		0608	2.15	2.60	1.45		
CAPS	10	0606E	0640D		N22	E31	.549	8496	12.6	34D	1N	3		0635	2.20	2.60		170	
SIBE	10	0612E	0650D		N21	E33	.570	8496	12.7	38D	1F		P	0626	3.41	4.50		55	CJ
IKOM	10	0613	0634D		N22	E30	.537	8496	12.5	21D	-N		V	0613	.52	.60	1.51	95	D
CATA	10	0618E	0705D	0635	N21	E31	.544	8496	12.6	47D	-N			0635	1.26	1.53		164	
550	10	0656	0702	0657	N30	E28	.570	8496	12.4	6	1				2.74				1 1 1
BAKO	10	0656E	0702D	0657	N30	E28	.570	8496	12.4	6D	1B		P	0657	5.47	6.83		50	
551	10	1240	1420	1243	N22	E32	.562	8496	12.9	100	1-				2.25				4 1 1
ATHN	10	1220E	1412	1243	N23	E36	.616	8496	13.2	112D	1N	2		1243	1.98	2.40	1.70		
HUAN	10	1259	1413		N21	E31	.544	8496	12.9	74	-F	1	C	1320	.21	.22			D
MCMA	10	1300E	1435		N22	E30	.537	8496	12.8	95D	-N		C	1300	.62	.70			BFK
CAPS	10	1327E	1401D		N23	E31	.555	8496	12.9	34D	-N	3		1331	.40	.50		173	DJ
552	10	1225	1238	1231	S20	W47	.806	8484	7.0	13	1-				.50				3 2 1
ONDR	10	1224	1238	1235	S21	W49	.827	8484	6.8	14	-N		V	1235			1.80		CDHJ
ATHN	10	1225	1238	1227	S21	W47	.810	8484	7.0	13	-N	2		1227	.50	.80	1.60		
CAPS	10	1233E	1235D		S18	W45	.778	8484	7.1	2D	-N	3							
553	10	1259	1311	1259	S22	W38	.736	8484	7.7	12	1-				.32				1 1 1
ATHN	10	1259	1311	1259	S22	W38	.736	8484	7.7	12	-N	2		1259	.33	.50	1.50		
554	10	1308	1322		S18	W22	.549	8487	8.9	14	1-				.73				1 1 1
MCMA	10	1308E	1322		S18	W22	.549	8487	8.9	14D	-F		C	1308	.52	.60			E
555	10	1421	1431	1425	S22	W51	.847	8484	6.8	10	1-				.58				5 5 5
ATHN	10	1419	1430	1424	S21	W47	.810	8484	7.1	11	-N	2		1424	.99	1.60	1.60		
HUAN	10	1421	1431	1425	S21	W51	.843	8484	6.8	10	-N	2	C	1425	.31	.43			D
MEUD	10	1421	1432	1425	S22	W53	.862	8484	6.6	11	-N			1425	.46	.90			
MCMA	10	1423	1430	1426	S22	W52	.855	8484	6.7	7	-B		C	1426	.31	.60			D
CAPS	10	1424E	1430D		S22	W52	.855	8484	6.7	6D	-B	3		1426	.80	1.60		208	
556	10	1427	1435	1428	N23	E37	.628	8496	13.4	8	1-				.67				1 1 1
ATHN	10	1427	1435	1428	N23	E37	.628	8496	13.4	8	-N	2		1428	.66	.80	1.80		
557	10	1513	1527	1518	S22	W51	.847	8484	6.8	14	1-				.52				5 5 5
MCMA	10	1510	1540	1518	S22	W52	.855	8484	6.7	30	-N		C	1518	.72	1.50			EH
ATHN	10	1514E	1521	1514	S21	W47	.810	8484	7.1	7D	-N	2		1514	.66	1.10	1.50		
HUAN	10	1514	1523	1518	S21	W51	.843	8484	6.8	9	-F	2	C	1518	.25	.34			D
MEUD	10	1515	1522	1519	S22	W53	.862	8484	6.7	7	-N			1519	.36	.70			
LOCK	10	1515E	1527	1519	S24	W53	.869	8484	6.7	12D	-N		C	1519	.40	.80		20	
558	10	1607	1730	1615	N22	E30	.537	8496	12.9	83	1-				1.44				1 1 1
MCMA	10	1607	1730	1615	N22	E30	.537	8496	12.9	83	-N		C	1615	1.03	1.20			EJ
559	10	1608	1630	1610	S22	W51	.847	8484	6.8	22	1-				.53				4 4 4
LOCK	10	1607	1641	1624	S24	W53	.869	8484	6.7	34	-N		C	1624	.80	1.50		20	H
MCMA	10	1609	1630	1611	S22	W52	.855	8484	6.8	21	-B		C	1611	.26	.50			DHK
HUAN	10	1609	1632	1625	S21	W52	.851	8484	6.8	23	-N	1	C	1625	.50	.70			
ATHN	10	1610E	1618	1610	S21	W47	.810	8484	7.1	8D	-N	1		1610	.50	.80			
560	10	1720	1726	1723	S22	W53	.862	8484	6.7	6	1-				.40				3 3 3
LOCK	10	1718	1727	1723	S24	W53	.869	8484	6.7	9	-N		C	1723	.60	1.10		20	
MCMA	10	1721	1726	1723	S22	W52	.855	8484	6.8	5	-B		C	1723	.26	.50			D
HUAN	10	1721	1726	1723	S21	W53	.859	8484	6.7	5	-N	1	C	1723	.25	.35			D
561	10	1800	1820	1807	S25	E22	.625	8495	12.4	20	1-				.50				1 1 1
LOCK	10	1800	1820	1807	S25	E22	.625	8495	12.4	20	-F		C	1807	.50	.70		10	
562	10	1815	1928	1832	N22	E26	.486	8496	12.7	73	1+				2.79				3 3 3
MCMA	10	1813	1940	1830	N22	E28	.511	8496	12.9	87	1B		C	1830	1.86	2.10			F
LOCK	10	1814	1915	1834	N22	E24	.461	8496	12.6	61	1B		C	1834	3.50	3.90		30	
HUAN	10	1819	1935D		N22	E25	.473	8496	12.6	76D	1F	1	C	1837	1.88	1.92			E
563	10	1942	1955	1945	S22	W53	.862	8484	6.8	13	1-				.61				1 1 1
MCMA	10	1942	1955	1945	S22	W53	.862	8484	6.8	13	-N		C	1945	.41	.80			EH
564	10	2039	2051	2042	S23	W54	.873	8484	6.8	12	1-				.39				2 2 2
LOCK	10	2037	2055	2042	S24	W54	.877	8484	6.8	18	-F		C	2042	.40	.80		10	H
MCMA	10	2041	2046	2042	S22	W53	.862	8484	6.9	5	-N		C	2042	.26	.50			DH
565	10	2208	2219	2212	S22	W55	.877	8484	6.8	11	1-				.45				3 3 3
CULG	10	2207	2220	2211	S21	W56	.881	8484	6.7	13	-N		C	2211	.31	.60			
LOCK	10	2208	2222	2214	S24	W54	.877	8484	6.9	14	-F		C	2214	.60	1.10		10	
MCMA	10	2210	2215	2212	S22	W54	.870	8484	6.9	5	-N		C	2212	.31	.60			D
566	10	2241	2307	2254	S21	W51	.843	8484	7.1	26	1-				.54				2 2 2
CULG	10	2240	2301	2243	S20	W50	.831	8484	7.2	21	-N		P	2243	.41	.72			F
LOCK	10	2242	2312	2254	S22	W52	.855	8484	7.0	30	-F		C	2254	.70	1.30		10	
567	11	0015	0042	0024	N28	E19	.461	8496	12.4	27	1-				.19				1 1 1
CULG	11	0015	0042	0024	N28	E19	.461	8496	12.4	27	-N		C	0024	.21	.22			L
	11	0125	0145	NO FLARE PATROL															
	11	0150	0155	NO FLARE PATROL															
568	11	0715	0750	0736	S22	W60	.911	8484	6.8	35	1-				.50				3 2 2
BUCA	11	0715E	0802D	0737	S22	W60	.911	8484	6.8	47D	-B		C	0737	.67	1.60			
ATHN	11	0732E	0745	0734	S23	W61	.919	8484	6.7	13D	-B	3		0734	.50	1.30	2.00		
CAPS	11	0737E	0744		S21	W60	.908	8484	6.8	7D	-B	3		0740	.70			201	
569	11	0833	0906		S20	W53	.855	8484	7.4	33	1-				.31				1 1 1
BUCA	11	0833E	0906D		S20	W53	.855	8484	7.4	33D	-N		C	0840	.44	.80			

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERVATORY	DATE 1966 SEPT	OBSERVED UT START	OBSERVED UT END	OBSERVED UT MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION CENTRAL DISTANCE	LOCATION McMATH PLAGE REGION	LOCATION CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEASUREMENTS MEAS. AREA Sq. Deg.	MEASUREMENTS CORR. AREA Sq. Deg.	MEASUREMENTS MAX. WIDTH Hα	MEASUREMENTS MAX. INT. %	REMARKS
570	11	1302	1326	1306	S24	E12	.550	8495	12.4	24	1-				1.43				4 3 3
CAPS	11	1302E	1324		S22	E12	.523	8495	12.4	22D	-N	3		1312	1.40	1.70		160	
MCMA	11	1303E	1327	1305	S25	E11	.559	8495	12.4	24D	-N		C	1305	1.03	1.20			EH
ATHN	11	1305E	1321	1307	S25	E12	.563	8495	12.4	16D	-N	2		1307	1.32	1.60	1.60		
HUAN	11	1308E	1332		S24	E11	.545	8495	12.4	24D	-N	1	P	1308	1.38	1.45			EH
571	11	1434	1440	1437	S22	W60	.911	8484	7.1	6	1-				.24				1 1 1
MEUD	11	1434	1440	1437	S22	W60	.911	8484	7.1	6	-F			1437	.31				E
572	11	1933	2000	1942	N21	E06	.258	8496	12.3	27	1-				.29				1 1 1
LOCK	11	1933	2000	1942	N21	E06	.258	8496	12.3	27	-F		C	1942	.30	.30		10	
573	11	2100	2145	2124	N23	E08	.301	8496	12.5	45	1-				.71				1 1 1
LOCK	11	2100	2145	2124	N23	E08	.301	8496	12.5	45	-F		C	2124	.70	.80		10	
574	11	2224	2247	2232	N23	E08	.301	8496	12.5	23	1-				.60				2 2 2
LOCK	11	2224	2247	2232	N23	E08	.301	8496	12.5	23	-N		C	2232	.80	.90		10	
CULG	11	2227E	2246	2231	N22	E07	.280	8496	12.5	19D	-N		P	2231	.41	.42			
575	11	2335	2345	2340	S19	E66	.940	8501	16.9	10	1-				.19				1 1 1
CULG	11	2335	2345	2340	S19	E66	.940	8501	16.9	10	-N		C	2340	.21				
576	12	0207	0224	0212	N28	W69	.928		6.9	17	1-				.19				1 1 1
CULG	12	0207	0224	0212	N28	W69	.928		6.9	17	-B		C	0212	.21				
577	12	0318	0358	0325	N22	W05	.268	8496	11.8	40	1-				.93				1 1 1
CULG	12	0318	0358D	0325	N22	W05	.268	8496	11.8	40D	-N		P	0325	1.03	1.05			F
578	12	0322	0348	0323	N23	E04	.279	8496	12.4	26	1-				1.54				2 2 2
TACH	12	0322	0345	0323	N24	E05	.300	8496	12.5	23	-B		C	0323	1.64	1.70		80	E
HALE	12	0322	0350	0323	N22	E03	.260	8496	12.4	28	-B	2	C	0323	1.34	1.40			V
579	12	0841	1111	0930	N14	E89	.999	8505	19.0	150	2				1.38				7 3 1
KAND	12	0712E	1229D		N08	E90	1.000	8505	19.0	317D									
ONDR	12	0858	1041		N15	E90	.999	8505	19.1	103	2B		V						ACJ
MONT	12	0925	0925D		N13	E90	1.000	8505	19.1				C						
BUCA	12	0934E	0945D		N17	E87	.996	8506	18.9	11D	-B		C	0936	.23				
ATHN	12	0945E	1035	0948	N12	E90	1.000	8505	19.2	50D	1N	2		0948	.99				
ARCE	12	0825E	1100D	0930	N10	E88	.998	8505	19.0	155D	2N		C	0955	1.38				AC
NERA	12	0925	1030D		N20	E90	.999	8506	19.1	65D	2	2							
580	12	1245	1358	1255	N37	E01	.497	8497	12.6	73	1				1.44				3 2 1
ONDR	12	1242	1438		N36	W00	.481	8497	12.5	116	2F		V	1254			1.30		CFGHI
MCMA	12	1247	1318	1255	N36	W00	.481	8497	12.5	31	-N		C	1255	1.03	1.20			E
CAPS	12	1300E	1316D		N38	E03	.513	8497	12.8	16D	1F	3		1303	3.00	3.60		150	
	13	0110	0115	NO FLARE PATROL															
581	13	0845	0910	0900	S20	W90	1.001	8484	6.6	25	1				.26				1 1 1
ARCE	13	0845E	0910D	0900	S20	W90	1.001	8484	6.6	25D	-N		C	0900	.26				
582	13	0850	0857	0851	N25	E17	.408		14.6	7	1-				.52				1 1 1
ATHN	13	0850E	0857	0851	N25	E17	.408		14.6	7D	-N	2		0851	.50	.50	1.50		
583	13	0930	1020		S20	W90	1.001	8484	6.6	50	1+								1 1
KAND	13	0930	1020		S20	W90	1.001	8484	6.6	50	1B								
584	13	1027	1039		N10	E85	.994	8505	19.8	12	1-				.20				1 1 1
CAPS	13	1027E	1039D		N10	E85	.994	8505	19.8	12D	-F	3		1033	.20			153	
585	13	1155	1300		S25	W32	.705	8495	11.1	65	1-								1 1 1
KAND	13	1155	1300		S25	W32	.705	8495	11.1	65	-F								
586	13	1256	1315		S39	E43	.875	8501	16.8	19	1				3.30				1 1 1
MONT	13	1256	1315		S39	E43	.875	8501	16.8	19	1N		C		3.29	5.00			
587	13	1711	1732	1716	N23	W16	.375	8496	12.5	21	1-				.38				2 2 2
LOCK	13	1708	1735	1717	N23	W15	.364	8496	12.6	27	-F		C	1717	.40	.40		10	
MCMA	13	1713	1728	1715	N23	W17	.386	8496	12.4	15	-F		C	1715	.26	.30			D
588	13	1808	1819	1811	N24	W11	.339	8496	12.9	11	1-				.40				1 1 1
LOCK	13	1808	1819	1811	N24	W11	.339	8496	12.9	11	-F		C	1811	.40	.40		10	
589	13	2052	2101	2054	N06	E80	.983	8505	19.9	9	1-				.21				2 2 2
HUAN	13	2051	2101	2054	N06	E81	.986	8505	19.9	10	-F	1	C	2054	.25				D
HALE	13	2052	2100	2054	N06	E79	.980	8505	19.8	8	-N	1	C	2054	.21				
590	13	2130	2134	2132	S18	W72	.968	8487	8.5	4	1-				.42				1 1 1
MCMA	13	2130	2134	2132	S18	W72	.968	8487	8.5	4	-N		C	2132	.26				D
591	13	2211	2219	2213	N06	E80	.983	8505	19.9	8	1-				.20				3 3 3
CULG	13	2210	2220	2214	N06	E80	.983	8505	19.9	10	-N		C	2214	.21				
HALE	13	2210	2220	2212	N06	E79	.980	8505	19.8	10	-N	1	C	2212	.21				
HUAN	13	2212	2218		N07	E80	.982	8505	19.9	6	-F	1	C	2214	.21				D
592	13	2322	2341	2324	N06	E80	.983	8505	20.0	19	1-				.19				1 1 1
CULG	13	2322	2341D	2324	N06	E80	.983	8505	20.0	19D	-N		P	2324	.21				
593	13	2340	0030	0000	S24	W20	.599	8495	12.5	50	1-				.82				1 1 1
LOCK	13	2340	0030	0000	S24	W20	.599	8495	12.5	50	-F		C	0000	.80	1.00		10	
594	14	0311	0348	0315	N07	E78	.975	8505	20.0	37	1+				.89				3 2 2
HALE	14	0310	0355	0314	N07	E75	.963	8505	19.8	45	1B	2	C	0314	.83				ETV
TACH	14	0311	0342	0314	N06	E80	.983	8505	20.1	31	1B		C	0314	.91		1.90	72	EL
CULG	14	0316E	0346	0316	N07	E79	.979	8505	20.1	30D	-N		P	0316	.83				F
595	14	0402	0417	0417	N10	E73	.952	8505	19.6	15	1-				.37				1 1 1
HALE	14	0402	0417D	0417D	N10	E73	.952	8505	19.6	15D	-N	2	P	0417	.31				T
596	14	0500	0512	0505	N05	E75	.964	8505	19.8	12	1-				.37				1 1 1
CULG	14	0500	0512D	0505	N05	E75	.964	8505	19.8	12D	-N		P	0505	.41				F

SOLAR FLARES

REVISED
SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 SEPT	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. %	
597	14	0544	0559	0550	S25	W20	.611	8495	12.7	15	1-				.19				2 1 1
CULG	14	0544	0559	0548	S24	W21	.607	8495	12.7	15	-F		C	0548	.21	.25			
ATHN	14	0551E	0559	0552	S25	W18	.597	8495	12.9	8D	-N	2		0552	.33	.50	1.30		
598	14	0940	0950	0941	N05	E72	.949	8505	19.8	10	1-				.35				3 3 3
BUCA	14	0939E	0948D		N05	E69	.931	8505	19.6	9D	-N		C	0939	.38				
MEUD	14	0940	0942D	0941	N05	E74	.959	8505	20.0	2D	-N			0941	.21				D
ARCE	14	0940E	0950D	0940	N05	E73	.954	8505	19.9	10D	-N		C	0940	.61	1.50			EC
599	14	1014	1120	1023	S21	W90	1.001	8484	7.7	66	1+				.60				6 4 3
MONT	14	1012	1055		S19	W90	1.001	8484	7.7	43			C						
HERS	14	1013E	1047D	1025	S22	W90	1.001	8484	7.7	34D			V						A
KAND	14	1014	1145		S20	W90	1.001	8484	7.7	91	2B								
ATHN	14	1016	1120	1020	S22	W90	1.001	8484	7.7	64	1N	2		1020	.66				
ARCE	14	1020E	1020D		S21	W90	1.001	8484	7.7		1B		C	1020	.35				AC
MEUD	14	1021E	1036D		S20	W90	1.001	8484	7.7	15D	-N			1026	.83				
600	14	1126	1156		N05	E69	.931	8505	19.7	30	1-				.27				1 1 1
BUCA	14	1126	1156		N05	E69	.931	8505	19.7	30	-N		C	1141	.38				D
601	14	1233	1303		N04	E70	.938	8505	19.8	30	1-				.53				2 2 1
BUCA	14	1225E	1307D		N05	E69	.931	8505	19.7	42D	-B		C	1228	.76				
KAND	14	1241	1259		N03	E71	.944	8505	19.9	18	1N								
602	14	1306	1312	1307	N08	E75	.962	8505	20.2	6	1-				.37				1 1 1
ATHN	14	1306E	1312	1307	N08	E75	.962	8505	20.2	6D	-N	1		1307	.33		1.50		
603	14	1332	1336	1333	N07	E71	.942	8505	19.9	4	1-				.32				3 2 2
UCCL	14	1332E	1333D		N05	E75	.964	8505	20.2	1D			P	1332	.31				BD
MCMA	14	1332	1336	1333	N06	E70	.937	8505	19.8	4	-B		C	1333	.26	.70			D
CAPS	14	1333E	1335		N09	E68	.922	8505	19.7	2D	-F	3		1334				157	
604	14	1356	1407	1358	N06	E70	.937	8505	19.8	11	1-				.74				3 3 3
CAPS	14	1354	1358		N05	E69	.931	8505	19.8	4	1F	3		1356	1.20			150	J
ATHN	14	1355E	1414	1357	N06	E72	.948	8505	20.0	19D	-N	1		1357	.50		1.80		
MCMA	14	1357	1410	1359	N06	E70	.937	8505	19.8	13	-N		C	1359	.31	.80			D
605	14	1418	1432	1420	N06	E72	.948	8505	20.0	14	1-				.80				4 4 4
ATHN	14	1416	1436	1420	N06	E73	.953	8505	20.1	20	1N	1		1420	.83		1.90		
UCCL	14	1418	1432		N05	E75	.964	8505	20.2	14	-N		P	1422	.72				E
CAPS	14	1418	1424D		N06	E69	.930	8505	19.8	6D	1N	3		1420	1.00			168	FJ
MCMA	14	1418	1427	1420	N08	E70	.935	8505	19.8	9	-N		C	1420	.52	1.40			E
606	14	1509	1515	1511	S24	W27	.654	8495	12.6	6	1-				.53				2 2 2
HUAN	14	1509	1514	1511	S23	W27	.645	8495	12.6	5	-F	2	C	1511	.37	.42			E
LOCK	14	1510E	1515	1510U	S24	W27	.654	8495	12.6	5D	-F		C	1510	.70	.90		10	
607	14	1613	1659	1618	N04	E70	.938	8505	19.9	46	1-				.25				1 1 1
HALE	14	1613E	1659	1618	N04	E70	.938	8505	19.9	46D	-N	2	P	1618	.21				T
608	14	1649	1722	1703	N05	E67	.918	8505	19.7	33	1				.63				4 3 3
HALE	14	1640	1725	1706	N05	E64	.896	8505	19.5	45	1B	3	C	1706	.93				TEF
MCMA	14	1658	1702D	1700	N06	E70	.937	8505	20.0	4D	-N		C	1700	.26	.70			D
MEUD	14	1702E	1706D		N05	E66	.911	8505	19.7	4D	-N			1706	.46				E
HUAN	14	1705E	1718		N04	E66	.912	8505	19.7	13D	-N	1	P	1707	.72				E
609	14	1706	1713	1707	N11	E71	.940	8505	20.0	7	1-				.49				1 1 1
HALE	14	1706	1713	1707	N11	E71	.940	8505	20.0	7	-N	3	C	1707	.41				
610	14	1739	1821	1802	N05	E64	.896	8505	19.5	42	1-				.31				1 1 1
HALE	14	1739	1821	1802	N05	E64	.896	8505	19.5	42	-N	2	C	1802	.26				T
611	14	1825	1853	1831	N06	E64	.895	8505	19.6	28	1-				.62				1 1 1
HALE	14	1825	1853	1831	N06	E64	.895	8505	19.6	28	-B	2	C	1831	.52				TEV
612	14	1826	1901	1839	N23	W30	.543	8496	12.5	35	1-				1.45				2 2 2
LOCK	14	1825	1905	1837	N22	W30	.537	8496	12.5	40	-N		C	1837	1.10	1.30		20	
HALE	14	1827	1856	1841	N23	W30	.543	8496	12.5	29	-N	1	C	1841	1.44	1.70			
613	14	2021	2039	2026	N05	E64	.896	8505	19.6	18	1-				.49				2 1 1
HALE	14	2021	2039	2026	N05	E63	.888	8505	19.6	18	-N	1	C	2026	.41	.90			T
HUAN	14	2032E	2036D		N04	E64	.897	8505	19.7	4D	-F	1	P	2033	.50	.78			D
614	14	2050	2123	2100	S30	E20	.668	8501	16.4	33	1-				.50				1 1 1
LOCK	14	2050	2123	2100	S30	E20	.668	8501	16.4	33	-F		C	2100	.50	.70		10	
615	14	2148	2245	2153	N05	E64	.896	8505	19.7	57	1-				.75				2 2 2
CULG	14	2148	2200D	2152	N04	E65	.904	8505	19.8	12D	-N		P	2152	.83				F
HALE	14	2148	2245	2154	N06	E63	.887	8505	19.6	57	-N	1	C	2154	.62	1.40			T
616	14	2337	0011	2349	N21	E65	.900	8506	19.9	34	1-				.55				2 2 2
CULG	14	2335	0020D	2348	N21	E66	.907	8506	19.9	45D	-N		P	2348	.31				F
LOCK	14	2338	0002	2349	N21	E64	.892	8506	19.8	24	-N		C	2349	.80	1.70		10	
617	15	0034	0045	0037	N06	E59	.853	8505	19.4	11	1-				.40				1 1 1
LOCK	15	0034	0045	0037	N06	E59	.853	8505	19.4	11	-N		C	0037	.40	.80		10	
618	15	0048	0135	0054	S28	E15	.617	8501	16.2	47	1-				.90				2 2 2
LOCK	15	0047	0118D	0055	S28	E15	.617	8501	16.2	31D	-N		C	0055	1.00	1.30		20	
HALE	15	0049	0135	0053	S27	E14	.599	8501	16.1	46	-N	1	C	0053	.62	.80			F
619	15	0052	0057		S18	E17	.504	8501	16.3	5	1-				.56				1 1 1
MANI	15	0052E	0057D		S18	E17	.504	8501	16.3	5D	-N			0052	.62	.66			
620	15	0203	0225	0208	S26	E11	.572	8501	15.9	22	1-				.62				1 1 1
HALE	15	0203	0225	0208	S26	E11	.572	8501	15.9	22	-N	1	C	0208	.52	.60			F
621	15	0256	0304	0257	N05	E57	.836	8505	19.4	8	1-				.25				1 1 1
HALE	15	0256	0304	0257	N05	E57	.836	8505	19.4	8	-N	1	C	0257	.21	.40			

SOLAR FLARES

REVISED
SEPTEMBER 1966

OBSERV-ATORY	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 SEPT																		
622	15	0308	0316		N22	E90	.999	8509	21.9	8	1-				.27				1 1 1
MANI	15	0308E	0316D		N22	E90	.999	8509	21.9	8D	-N			0308	.35	1.13			
623	15	0338	0347	0339	N05	E57	.836	8505	19.4	9	1-				.37				1 1 1
HALE	15	0338	0347	0339	N05	E57	.836	8505	19.4	9	-N	1	C	0339	.31	.60			
624	15	0436	0451		N21	W38	.632	8496	12.3	15	1-				.32				1 1 1
MANI	15	0436E	0451D		N21	W38	.632	8496	12.3	15D	-F				.36	.47			
625	15	0800	1000		N22	W40	.660	8496	12.3	120	1-				.68				1 1 1
ARCE	15	0800E	1000D		N22	W40	.660	8496	12.3	120D	-N		C	0810	.67	.90			H
626	15	1440	1448	1444	N20	E80	.979	8509	21.6	8	1				.17				1 1 1
HUAN	15	1440	1448	1444	N20	E80	.979	8509	21.6	8	-F	1	C	1444	.25				D
627	15	1518	1531	1521	N21	W40	.656	8596	12.6	13	1-				.47				4 4 4
LOCK	15	1515	1535	1520	N21	W42	.680	8596	12.5	20	-F		C	1520	.80	1.10		10	
HUAN	15	1517	1530D		N21	W40	.656	8496	12.6	13D	-F	2	C	1521	.36	.40			E
ATHN	15	1519	1529	1522	N23	W39	.651	8496	12.7	10	-N	1		1522	.37	.50	1.30		
MCMA	15	1519	1530	1521	N20	W40	.653	8496	12.6	11	-F		C	1521	.26	.30			D
628	15	1614	1636	1624	N21	E79	.975	8509	21.6	22	1-				.34				3 3 3
LOCK	15	1605	1635	1623	N22	E80	.978	8509	21.7	30	-F		C	1623	.40	1.20		10	
HALE	15	1616	1639	1625	N21	E76	.963	8509	21.4	23	-B	1	C	1625	.41				
HUAN	15	1621	1635		N20	E80	.979	8509	21.7	14	-F	1	C	1624	.25				D
629	15	1803	1815	1804	N21	W42	.680	8496	12.6	12	1-				.34				2 2 2
HALE	15	1802E	1819	1804	N21	W44	.703	8496	12.5	17D	-N	1	P	1804	.26	.40			
MCMA	15	1803	1810		N20	W40	.653	8496	12.8	7	-F		C	1804	.26	.30			D
630	15	1821	1853	1822	N07	E56	.824	8505	20.0	32	1-				.76				3 2 2
HALE	15	1821	1845	1822	N07	E53	.794	8505	19.7	24	-B	1	C	1822	.52	.80			
MCMA	15	1822E	1900		N07	E56	.824	8505	20.0	38D	-N		C	1822	.62	1.10			E
HUAN	15	1828E	1830D		N08	E58	.843	8505	20.1	2D	1F	1	P	1828	1.40	1.85			
631	15	1914	1926	1919	N04	E51	.775	8505	19.6	12	1-				.48				3 3 3
LOCK	15	1912	1950	1920	N03	E51	.777	8505	19.6	38	-N		C	1920	.60	1.00		10	
HALE	15	1917	1925	1918	N04	E51	.775	8505	19.6	8	-N	1	C	1918	.21	.30			
MCMA	15	1919E	1927		N04	E52	.786	8505	19.7	8D	-N		C	1919	.41	.70			E
632	15	1937	2030	1939	N04	E52	.786	8505	19.7	53	1-				.58				1 1 1
MCMA	15	1937	2030	1939	N04	E52	.786	8505	19.7	53	-N		C	1939	.41	.70			
633	15	2015	2030	2019	N21	W42	.680	8496	12.7	15	1-				.50				1 1 1
LOCK	15	2015	2030	2019	N21	W42	.680	8496	12.7	15	-F		C	2019	.50	.70		10	
634	15	2020	2030	2023	N04	E51	.775	8505	19.7	10	1-				.48				3 2 3
MCMA	15	1937	2030	2022	N04	E52	.786	8505	19.7	53			C	2022	.41	.70			
LOCK	15	2019	2033	2023	N03	E51	.777	8505	19.7	14	-F		C	2023	.50	.80		10	
HALE	15	2021	2028	2024	N04	E51	.775	8505	19.7	7	-N	1	C	2024	.31	.50			
635	15	2053	2102		N04	E52	.786	8505	19.8	9	1-				.58				1 1 1
MCMA	15	2053	2102		N04	E52	.786	8505	19.8	9	-N		C	2057	.41	.70			E
636	15	2104	2117	2107	N06	E51	.773	8505	19.7	13	1-				.71				1 1 1
LOCK	15	2104	2117	2107	N06	E51	.773	8505	19.7	13	-N		C	2107	.70	1.10		10	
637	15	2322	2335	2325	N05	E50	.763	8505	19.7	13	1-				.94				1 1 1
LOCK	15	2322	2335	2325	N05	E50	.763	8505	19.7	13	-N		C	2325	.90	1.40		20	
638	16	0124	0204	0136	N06	E49	.751	8505	19.7	40	1				2.95				5 5 4
VORO	16	0120	0218	0137	N07	E50	.761	8505	19.8	58	2F		C	0137	5.40	8.42		59	EJK
HALE	16	0121	0220	0125	N07	E47	.727	8505	19.6	59	-B	1	C	0121	.98	1.50			TE
CULG	16	0124E	0210	0135	N05	E50	.763	8505	19.8	46D	1N		P	0135	1.86	2.40			F
IKOM	16	0130	0133		N07	E50	.761	8505	19.8	3	1N		V						E
MANI	16	0132E	0200	0137	N04	E49	.753	8505	19.7	28D	2N			0137	3.51	5.20			
639	16	0239	0254	0240	N21	E70	.932	8509	21.4	15	1-				.43				1 1 1
MITK	16	0239	0254	0240	N21	E70	.932	8509	21.4	15	-N		C	0240	.62				D
640	16	0250	0420	0255	N05	E46	.717	8505	19.6	90	1-				.49				1 1 1
HALE	16	0250	0420D	0255	N05	E46	.717	8505	19.6	90D	-N	1	P	0255	.41	.60			TIF
641	16	0427	0449	0446	N05	E47	.729	8505	19.7	22	1-				.94				1 1 1
MITK	16	0427	0449	0446	N05	E47	.729	8505	19.7	22	-N		C	0446	1.34	1.90			E
642	16	0710	0731	0719	N05	E46	.717	8505	19.7	21	1-				.33				4 4 2
ISTA	16	0705	0725		N06	E45	.703	8505	19.7	20	-								
KAND	16	0714	0732D		N03	E45	.707	8505	19.7	18D	-F								
MANI	16	0715E	0733D		N04	E48	.741	8505	19.9	18D	-F			0716	.52	.78			
CATA	16	0717E	0732D	0719	N05	E44	.692	8505	19.6	15D	-N			0719	.19	.26		178	
643	16	0750	0808	0752	N21	E71	.938	8509	21.7	18	1-				1.05				4 4 3
KIEV	16	0750E	0755D	0750	N20	E75	.959	8509	22.0	5D	-F		C	0750	2.58			65	DG
ISTA	16	0750	0758		N21	E72	.944	8509	21.7	8	1								
BUCA	16	0750E	0829D		N21	E68	.920	8509	21.4	39D	-F		C	0813	.20				
ATHN	16	0751E	0758	0753	N20	E70	.932	8509	21.6	7D	-N	3		0753	.41		1.70		
644	16	0756	0923		N05	E43	.679	8505	19.6	87	1-				.92				3 3 2
BUCA	16	0756E	0901D		N06	E43	.678	8505	19.6	65D	-N		C	0811	1.25	1.60			EJ
KAND	16	0805E	0923		N03	E45	.707	8505	19.7	78D	-F								
ARCE	16	0822E	0828D		N05	E42	.667	8505	19.5	6D	-N		C	0822	.93	1.20			
645	16	0847	0910	0900	N19	E69	.926	8509	21.5	23	1-				.34				3 3 2
KAND	16	0847E	1330D		N18	E72	.944	8509	21.8	283D	1N								
BUCA	16	0857E	0914D		N20	E67	.913	8509	21.4	17D	-F		C	0901	.47				J
ATHN	16	0858E	0907	0900	N19	E69	.926	8509	21.5	9D	-N	2		0900	.33		1.50		

SOLAR FLARES

REVISED

SEPTEMBER 1966

OBSERV-ATORY	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 SEPT																		
646	16	0913	0925	0912	N35	W46	.771	8491	12.9	12	1-				.67				2 1 1
ATHN	16	0910E	0917D	0912	N33	W46	.763	8491	12.9	7D	-N	2		0912	.66	1.00	1.50		
ARCE	16	0915	0925		N37	W45	.772	8491	13.0	10	1N		C	0915	1.40	2.20			C
647	16	0912	0922		N36	W63	.899	8491	11.7	10	1-								2 2 0
KHAR	16	0912	0920		N33	W67	.919	8491	11.4	8	1N		V	0912			1.90		DG
KAND	16	0912	0923		N38	W58	.871	8491	12.0	11	-B								
648	16	0912	0916		N51	W03	.693	8500	16.2	4	1-				1.05				1 1 1
SALT	16	0912E	0916		N51	W03	.693	8500	16.2	4D	-N	3		0913	1.00	1.50			
649	16	0914	1007		N24	W51	.784	8496	12.6	53	1-				1.25				1 1 1
KAND	16	0914	1007D		N24	W51	.784	8496	12.6	53D	1N			0929	1.78	2.30			
650	16	0944	1001	0948	N20	E68	.920	8509	21.5	17	1-				.76				3 3 2
KHAR	16	0944	0952		N19	E68	.920	8509	21.5	8	1N		V	0947			2.80		DH
ATHN	16	0944	1005	0948	N20	E70	.932	8509	21.7	21	-N	2		0948	.69		1.40		
BUCA	16	0947E	1005D		N21	E67	.914	8509	21.4	18D	1N		C	0950	1.16				J
651	16	1040	1100	1050	N20	E68	.920	8509	21.5	20	1-				1.03				2 2 2
BUCA	16	1040E	1059D		N21	E67	.914	8509	21.5	19D	1N		C	1049	1.34				
ATHN	16	1047E	1100	1050	N20	E70	.932	8509	21.7	13D	-N	2		1050	1.09		2.00		
652	16	1050	1124		N24	W51	.784	8496	12.6	34	1-								1 1 0
KAND	16	1050	1124		N24	W51	.784	8496	12.6	34	-N								
653	16	1124	1138		N03	E45	.707	8505	19.9	14	1-								1 1 0
KAND	16	1124	1138		N03	E45	.707	8505	19.9	14	-F								
654	16	1141	1214	1150	N21	E69	.926	8509	21.7	33	1-				.59				3 3 3
BUCA	16	1138E	1219D		N21	E66	.907	8509	21.4	41D	1N		C	1152	1.16				J
CAPS	16	1140E	1159D		N21	E70	.932	8509	21.7	19D	-N	3		1145	.20			157	D
ATHN	16	1145	1210	1150	N20	E70	.932	8509	21.7	25	-N	2		1150	.72		1.80		
655	16	1201	1330		N24	W51	.784	8496	12.7	89	1-								1 1 0
KAND	16	1201	1330D		N24	W51	.784	8496	12.7	89D	1N								
656	16	1201	1330		N05	E43	.679	8505	19.7	89	1-				.41				2 2 1
KAND	16	1201	1330D		N03	E45	.707	8505	19.9	89D	-F								
BUCA	16	1205E	1302D		N06	E40	.639	8505	19.5	57D	-F		C	1214	.58	.80			
657	16	1239	1258	1247	N21	E69	.926	8509	21.7	19	1-				.39				5 5 4
BUCA	16	1237E	1254D		N21	E65	.900	8509	21.4	17D	1N		C	1243	.76				
HUAN	16	1240	1252	1244	N21	E70	.932	8509	21.8	12	-F	1	C	1244	.21				D
CAPS	16	1243E	1249D		N21	E70	.932	8509	21.8	6D	-N	2							D
MCMA	16	1243E	1310		N22	E70	.932	8509	21.8	27D	-N		C	1243	.72	1.80			BELV
ATHN	16	1244E	1255	1250	N20	E69	.926	8509	21.7	11D	-N	2		1250	.70		1.60		
658	16	1425	1440	1431	N06	E42	.666	8505	19.8	15	1-				1.02				4 4 3
HUAN	16	1419	1434		N04	E40	.642	8505	19.6	15	-F	1	C	1431	1.08	1.25			E
MCMA	16	1428	1440	1431	N05	E41	.654	8505	19.7	12	-F		C	1431	.83	1.10			E
ATHN	16	1428	1445	1430	N06	E47	.728	8505	20.1	17	-N	2		1430	.92	1.40	1.90		
CAPS	16	1429E	1434D		N08	E40	.638	8505	19.6	5D	1F	1							
659	16	1427	1445	1435	N21	E68	.920	8506	21.7	18	1				.68				5 4 2
NERA	16	1425	1437		N22	E65	.900	8506	21.5	12	2	2							
MCMA	16	1427	1500D	1435	N22	E70	.932	8509	21.9	33D	-B		C	1435	.62	1.60			DVW
CAPS	16	1429E	1439D		N21	E70	.932	8509	21.9	10D	-B	1							
HUAN	16	1430	1441	1435	N21	E68	.920	8509	21.7	11	-B	1	C	1435	.50				DH
ONDR	16	1438E	1443D		N20	E67	.913	8509	21.6	5D	1N		V	1440			2.10		H
660	16	1620	1641	1629	N22	E67	.914	8509	21.7	21	1				.94				4 4 4
MCMA	16	1612	1642	1627	N22	E69	.926	8509	21.9	30	1N		C						
LOCK	16	1622	1642	1627	N22	E67	.914	8509	21.7	20	1N		C	1627	1.40	3.10		20	
HALE	16	1623E	1641	1632	N22	E63	.886	8509	21.4	18D	-N	1	P	1632	.36	.80			TE
HUAN	16	1625	1639		N22	E67	.914	8509	21.7	14	-N	1	C	1633	.31				D
661	16	1630	2148	1705	N04	E37	.601	8505	19.5	318	1+				2.61				4 4 4
LOCK	16	1615	2215	1710	N04	E36	.587	8505	19.4	360	2B		C						L
HALE	16	1623	2120	1702	N05	E34	.557	8505	19.2	297	-B	1	C	1702	1.24	1.50			TFIJL
HUAN	16	1640	1940D		N02	E36	.591	8505	19.4	180D	1F	1	P	1700	1.70	1.85			E
MCMA	16	1640	2148D	1702	N06	E40	.639	8505	19.7	308D	1N		C	1702	1.86	2.40			FKLU
662	16	1821	1839	1824	N22	E67	.914	8509	21.8	18	1				.78				4 3 3
MCMA	16	1740	1838	1828	N22	E68	.920	8509	21.8	58	1B		C	1744	.52	1.30			EV
HALE	16	1818	1840	1821	N22	E66	.907	8509	21.7	22	1N	1	C	1821	.83				T
HUAN	16	1824	1836		N22	E67	.914	8509	21.8	12	-B	1	C	1828	.74	1.22			
LOCK	16	1830E	1840	1830U	N22	E67	.914	8509	21.8	10D	1N		C	1830	1.00	2.20		20	
663	16	1927	1938	1929	N21	E66	.907	8509	21.8	11	1-				.55				1 1 1
HALE	16	1927	1938	1929	N21	E66	.907	8509	21.8	11	-N	1	C	1929	.46				TF
664	16	1936	1959	1941	N24	W57	.839	8496	12.5	23	1				.90				3 3 3
LOCK	16	1935	2005	1941	N24	W58	.847	8496	12.5	30	1N		C	1941	1.30	2.30		20	
HALE	16	1936	2000	1941	N24	W55	.821	8496	12.7	24	-F	1	C	1941	.62	1.10			F
HUAN	16	1938	1951		N24	W58	.847	8496	12.5	13	-N	1	C	1941	.70	.98			E
665	16	2010	2129	1955	N22	E64	.893	8509	21.6	79	1-				.37				2 1 1
HALE	16	1945	2142	1955	N22	E62	.878	8509	21.5	117	-N	1	C	1955	.31	.70			TFK
LOCK	16	2035	2115	2043	N21	E65	.900	8509	21.7	40	-F		C	2043	.70	1.50		10	H
666	16	2118	2148	2129	N27	E90	.998		23.6	30	1+								1 1 0
MCMA	16	2118	2148D	2129	N27	E90	.998		23.6	30D	1B		C	2129					A
667	16	2207	2210		N22	W60	.862	8496	12.4	3	1-				.31				1 1 1
HUAN	16	2207	2210D		N22	W60	.862	8496	12.4	3D	-F	1	P	2210	.37	.54			D

SOLAR FLARES

REVISED
SEPTEMBER 1966

OBSERVATORY	DATE 1966 SEPT	OBSERVED UT START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
668	16	2258	2356	2330	N22	E63	.886	8509	21.7	58	1-				.74				1 1 1
HALE	16	2258	2356D	2330	N22	E63	.886	8509	21.7	58D	-F	1	P	2330	.62	1.40			T
669	16	2330	0018	2350	N04	E34	.559	8505	19.5	48	1-				.94				1 1 1
LOCK	16	2330	0018	2350	N04	E34	.559	8505	19.5	48	-N		C	2350	.90	1.10		10	
670	17	0031	0038	0033	N09	E34	.555	8505	19.6	7	1-				.28				1 1 1
CULG	17	0031	0038	0033	N09	E34	.555	8505	19.6	7	-F		C	0033	.31	.36			L
671	17	0109	0135	0111	N21	E62	.877	8509	21.7	26	1-				.62				1 1 1
HALE	17	0109	0135	0111	N21	E62	.877	8509	21.7	26	-F	1	C	0111	.52	1.10			
672	17	0238	0301	0251	N04	E29	.485	8505	19.3	23	1-				.25				1 1 1
HALE	17	0238	0301	0251	N04	E29	.485	8505	19.3	23	-N	1	C	0241	.21	.22			
673	17	0345	0352	0346	N09	E34	.555	8505	19.7	7	1-				.28				1 1 1
CULG	17	0345	0352	0346	N09	E34	.555	8505	19.7	7	-F		C	0346	.31	.36			L
674	17	0432	0442	0435	N09	E34	.555	8505	19.7	10	1-				.28				1 1 1
CULG	17	0432	0442	0435	N09	E34	.555	8505	19.7	10	-N		C	0435	.31	.36			L
675	17	0451	0526	0509	N21	E60	.861	8509	21.7	35	1-				.65				3 3 2
CULG	17	0451	0525	0509	N20	E60	.861	8509	21.7	34	-N		C	0509	.62	1.18			
TACH	17	0503E	0527D	0509	N23	E62	.879	8509	21.9	24D	1		C	0509	.83	1.60	2.30	81	D
ATHN	17	0505E	0526		N20	E59	.852	8509	21.6	21D	-B	1					2.00		
676	17	0545	0603	0555	N25	W63	.887	8496	12.5	18	1-				.19				2 1 1
CULG	17	0545	0602	0553	N26	W64	.895	8496	12.4	17	-N		C	0553	.21	.45			
ATHN	17	0556E	0604	0556	N24	W62	.879	8496	12.6	8D	-F	3		0556	.17	.30	1.30		
677	17	0633	0648	0634	N09	E31	.511	8505	19.6	15	1-				.37				1 1 1
CULG	17	0633	0648	0634	N09	E31	.511	8505	19.6	15	-N		C	0634	.41	.46			L
678	17	0940	1114	1004	N24	W64	.894	8496	12.6	94	2-				4.09				11 10 9
KAND	17	0650E	1020D		N25	W65	.901	8496	12.4	210D	3B			1016	8.16	13.30			
BUCA	17	0935E	1239D	1005	N25	W63	.887	8496	12.7	184D	1B		C	1005	1.97	4.00			
ABST	17	0938E	1116D	0958	N23	W68	.920	8496	12.3	98D	1		C	0958	4.05				F
MEUD	17	0942	1045	1005	N23	W60	.863	8496	12.9	63	1N			1005	1.96	4.30			F
ARCE	17	0945	1030D	1008	N24	W63	.887	8496	12.7	45D	2N		C	1008	3.03	6.70			CF
ATHN	17	0945E	1128	1000	N25	W58	.848	8496	13.1	103D	2N	2		1000	3.96	7.50	2.00		
KHAR	17	0947E	1015		N24	W69	.927	8496	12.2	28D	4N		P	1012	13.61	42.10	2.10		EHO
CATA	17	0950E	1036D	1008	N23	W64	.893	8496	12.6	46D	1B			1008	1.61	3.81		238	
KIEV	17	0952E	1010D	0956	N25	W70	.933	8496	12.2	18D	2N		C	0956	7.22			65	EI
ONDR	17	0958E	1038		N24	W60	.864	8496	12.9	40D	2F		V	1000			2.50		BFH
CAPS	17	1022E	1138D		N24	W68	.921	8496	12.3	76D	2B	2		1028	3.00			265	
679	17	0809	0934	0848	N21	E60	.861	8509	21.8	85	1-				.75				6 5 3
KAND	17	0650E	1020D		N18	E58	.843	8509	21.6	210D	-N								
ATHN	17	0831	0923	0840	N23	E60	.863	8509	21.9	52	1N	3		0840	1.09	2.20	1.70		
ISTA	17	0835	0925		N21	E60	.861	8509	21.9	50	1								
MEUD	17	0840	0910	0848	N20	E59	.852	8509	21.8	30	-N			0848	.31	.60			
BUCA	17	0846E	0933D		N21	E58	.844	8509	21.7	47D	1N		C	0852	1.31	2.20			
KIEV	17	0850E	0915D	0855	N23	E62	.879	8509	22.0	25D	1F		C	0855	2.58	5.00		60	E
680	17	0832	0845	0835	N06	E30	.497	8505	19.6	13	1-				.83				4 4 3
ISTA	17	0830	0845		N07	E30	.496	8505	19.6	15	-								
CATA	17	0832E	0845D	0833	N05	E30	.499	8505	19.6	13D	-N			0833	.98	1.14		184	
MEUD	17	0833	0843	0835	N05	E29	.483	8505	19.5	10	-N			0835	.52	.60			E
ATHN	17	0833	0847	0836	N07	E30	.496	8505	19.6	14	-N	3		0836	1.02	1.20	1.60		
681	17	1118	1201		N05	E29	.483	8505	19.6	43	1-				.39				2 2 2
BUCA	17	1118	1201D		N05	E28	.468	8505	19.6	43D	-F		C	1127	.83	.90			
CAPS	17	1119E	1138D		N04	E29	.485	8505	19.6	19D	-N	2		1121	.20	.30		165	G
682	17	1654	1705	1658	N03	E26	.442	8505	19.7	11	1-				.50				1 1 1
LOCK	17	1654	1705	1658	N03	E26	.442	8505	19.7	11	-F		C	1658	.50	.60		10	
683	17	1800	1830	1810	N21	E55	.817	8509	21.9	30	1-				.61				1 1 1
LOCK	17	1800	1830	1810	N21	E55	.817	8509	21.9	30	-F		C	1810	.60	1.00		10	
684	17	2034	2116		N21	E55	.817	8509	22.0	42	1-				.32				1 1 1
HUAN	17	2034	2116		N21	E55	.817	8509	22.0	42	-F	1	C	2045	.37	.40			E
685	17	2044	2059	2048	N10	E20	.342	8505	19.4	15	1-				.95				3 3 3
LOCK	17	2040	2105	2048	N09	E20	.340	8505	19.4	25	-N		C	2048	1.20	1.30		20	
HALE	17	2045	2056	2049	N10	E18	.309	8505	19.2	11	-B	1	C	2049	.83	.90			I
HUAN	17	2046	2056	2048	N10	E21	.358	8505	19.4	10	-N	1	C	2048	.62	.62			E
686	17	2133	2146	2140	N09	E20	.340	8505	19.4	13	1-				.50				1 1 1
LOCK	17	2133	2146	2140	N09	E20	.340	8505	19.4	13	-F		C	2140	.50	.60		10	
687	17	2200	2211	2203	N09	E20	.340	8505	19.4	11	1-				.53				3 3 3
HALE	17	2159	2209	2203	N10	E18	.309	8505	19.3	10	-F	1	C	2203	.52	.52			I
LOCK	17	2159	2212	2204	N09	E20	.340	8505	19.4	13	-F		C	2204	.60	.70		10	
CULG	17	2201	2211	2203	N08	E21	.356	8505	19.5	10	-N		C	2203	.41	.52			
688	17	2212	2225	2218	N22	W72	.944	8496	12.5	13	1-				.31				2 2 2
CULG	17	2208	2224	2217	N21	W73	.949	8496	12.4	16	-N		C	2217	.21				
HALE	17	2215	2225	2218	N22	W71	.938	8496	12.6	10	-B	1	C	2218	.36				
689	17	2315	2326	2317	N22	W72	.944	8496	12.6	11	1-				.34				2 2 2
CULG	17	2314	2324	2316	N21	W73	.949	8496	12.5	10	-N		C	2316	.21				
HALE	17	2316	2327	2317	N22	W71	.938	8496	12.6	11	-B	1	C	2317	.41				

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 SEPT	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. %	
690	17	2343	0017	2359	N09	E21	.356	8505	19.6	34	1-				3.08				4 3 3
CULG	17	2334	0008D	2359	N08	E22	.372	8505	19.6	34D	1N		P	2359	6.50	6.93			FL
LOCK	17	2337	0017	2359	N08	E19	.323	8505	19.4	40	-N		C	2359	1.50	1.70		20	
HALE	17	2340	0025	2359	N09	E22	.372	8505	19.6	45	-B	1	C	2359	1.44	1.50			EIT
VORO	18	2401	0008		N10	E20	.342	8505	20.5	7	-N		P	0001	.27	.29		60	E
691	18	0017	0025	0021	N22	W73	.949	8496	12.5	8	1-				.25				1 1 1
HALE	18	0017	0025	0021	N22	W73	.949	8496	12.5	8	-F	1	C	0021	.21				
692	18	0200	0205	0202	N24	W75	.958	8496	12.5	5	1-				.34				2 2 2
CULG	18	0159	0205	0202	N24	W75	.958	8496	12.5	6	-N		C	0202	.41				
HALE	18	0200	0205	0202	N24	W75	.958	8496	12.5	5	-N	1	C	0202	.26				
693	18	0234	0302	0241	N08	E18	.307	8505	19.5	28	1-				.46				2 2 2
CULG	18	0233	0304	0240	N09	E18	.308	8505	19.5	31	-N		C	0240	.41	.42			L
HALE	18	0234	0300	0241	N07	E18	.307	8505	19.5	26	-B	1	C	0241	.46	.50			E
694	18	0330	0649	0413	N23	E49	.762	8509	21.8	199	1-				1.09				5 5 5
HALE	18	0257	0423D	0415	N22	E47	.739	8509	21.6	86D	-B	2	P	0415	1.13	1.70			KF
TACH	18	0330	0430	0414	N24	E49	.764	8509	21.8	60	-N		C	0407	1.19	1.60	4.40	87	E
ABST	18	0402E	0908D	0412	N24	E48	.754	8509	21.8	306D	1N		C	0412	2.52	3.86			EK
CULG	18	0404	0407D	0405	N22	E51	.780	8509	22.0	3D	-N		P	0405	.41	.64			
MANI	18	0404E	0423D	0411	N21	E48	.747	8509	21.8	19D	-N			0411	.83	1.30			
695	18	0307	0311	0308	N04	E18	.312	8505	19.5	4	1-				.25				1 1 1
HALE	18	0307	0311	0308	N04	E18	.312	8505	19.5	4	-N	1	C	0308	.21	.22			
696	18	0314	0353	0319	N05	E17	.293	8505	19.4	39	1-				.86				1 1 1
HALE	18	0314	0353	0319	N05	E17	.293	8505	19.4	39	-B	1	C	0319	.72	.80			E
697	18	0820	0906	0902	N21	E45	.714	8509	21.7	46	1-				1.43				9 9 8
BUCA	18	0735E	0926D	0902	N22	E43	.694	8509	21.5	111D	-N		C	0813	.66	.90			
ATHN	18	0805	0911	0850	N21	E41	.668	8509	21.4	66	-N	2		0850	1.49	1.90	1.60		
ISTA	18	0805	0820		N21	E48	.747	8509	21.9	15	-								
KAND	18	0833	0934		N20	E43	.689	8509	21.6	61	1N			0845	1.89	2.20			
UCCL	18	0845	0907		N22	E47	.739	8509	21.9	22	1N		C	0905	1.03	2.40			EH
WEND	18	0845E	0913		N22	E45	.717	8509	21.7	28D	1N				4.13				
MEUD	18	0854	0908		N21	E45	.714	8509	21.7	14	-N			0900	.52	.70			
KIEV	18	0900E	0920D	0901	N20	E46	.724	8509	21.8	20D	-F		C	0901	3.09	4.00		60	
MANI	18	0900E	0924D	0908	N21	E45	.714	8509	21.8	24D	1N			0908	2.27	3.50			
698	18	0913	0919		N11	E16	.280	8505	19.6	6	1-				.58				1 1 1
BUCA	18	0913E	0919D		N11	E16	.280	8505	19.6	6D	-F		C	0915	.83	.90			
699	18	0946	1059		N23	E43	.697	8509	21.6	73	1-				.69				1 1 1
BUCA	18	0946E	1059D		N23	E43	.697	8509	21.6	73D	-N		C	1011	.99	1.40			
700	18	1021	1051		N10	E17	.293	8505	19.7	30	1-				.23				1 1 1
BUCA	18	1021E	1051D		N10	E17	.293	8505	19.7	30D	-F		C	1021	.33	.34			
701	18	1258	1307	1300	N09	E14	.242	8505	19.6	9	1-				.76				4 4 4
BUCA	18	1109E	1312D	1259	N09	E13	.225	8505	19.4	123D	-N		C	1119	.99	1.00			E
MCMA	18	1258	1304	1259	N09	E11	.192	8505	19.4	6	-N		C	1259	.62	.63			EH
MEUD	18	1258	1305	1300	N08	E12	.207	8505	19.4	7	-N			1300	.77	.80			
CAPS	18	1259E	1302D		N11	E18	.312	8505	19.9	3D	-N	3		1300	.80	.80		176	C
702	18	1340	1350		N29	W79	.974	8496	12.6	10	1-				.50				1 1 1
MCMA	18	1340E	1350D		N29	W79	.974	8496	12.6	10D	-F		C	1344	.31				D
703	18	1410	1430	1420	N28	W78	.971	8496	12.7	20	1-				.72				1 1 1
ATHN	18	1410	1430D	1420	N28	W78	.971	8496	12.7	20D	-N	1		1420	.66		1.90		
704	18	1457	1536	1503	N22	E42	.683	8509	21.8	39	1+				2.33				5 4 4
LOCA	18	1450E	1520D	1505	N22	E45	.717	8509	22.0	30D	-N		S	1505	1.05	1.50			
MEUD	18	1452	1515	1457	N20	E40	.654	8509	21.6	23	1B			1457	3.09	4.20			
MCMA	18	1452	1610	1500	N23	E42	.686	8509	21.8	78	1B		C	1500	2.48	3.50			EH
CAPS	18	1454E	1522		N23	E44	.709	8509	21.9	28D	1B	3		1502	2.30	3.20		354	C
ATHN	18	1512	1535	1515	N20	E40	.654	8509	21.6	23	-B	2		1515	1.38	1.90	2.00		
705	18	1519	1535	1527	N07	E15	.257	8505	19.8	16	1-				.63				4 4 4
MCMA	18	1516	1550	1528	N06	E13	.224	8505	19.6	34	-N		C	1528	.31	.32			DL
MEUD	18	1517	1520	1517	N05	E15	.260	8505	19.8	3	-F			1517	.26	.30			D
CAPS	18	1518E	1535		N08	E15	.257	8505	19.8	17D	-F	3		1524	1.00	1.10		150	C
ATHN	18	1524	1535	1525	N08	E16	.274	8505	19.8	11	-N	2		1525	.76	.80	1.60		
706	18	1945	1958	1948	N22	E40	.660	8509	21.8	13	1-				.74				2 2 2
MCMA	18	1944	2001	1948	N21	E41	.668	8509	21.9	17	-N		C	1948	.52	.70			E
HALE	18	1945	1954	1947	N22	E39	.648	8509	21.7	9	-B	1	C	1947	.62	.80			
707	18	2029	2045	2033	N00	E10	.213	8505	19.6	16					.13				1 1 1
CLMX	18	2029E	2045D	2033	N00	E10	.213	8505	19.6	16D	-N		C	2033	.20	.21			
708	18	2032	2040	2034	N11	E12	.216	8505	19.8	8	1-				.31				1 1 1
HALE	18	2032	2040	2034	N11	E12	.216	8505	19.8	8	-B	2	C	2034	.26	.30			
709	18	2111	2122	2118	N19	E30	.522	8509	21.1	11	1-				.19				1 1 1
CULG	18	2111	2122	2118	N19	E30	.522	8509	21.1	11	-N		C	2118	.21	.23			
710	18	2259	2305	2301	N05	E10	.177	8505	19.7	6	1-				.19				1 1 1
CULG	18	2259	2305	2301	N05	E10	.177	8505	19.7	6	-N		C	2301	.21				
711	18	2314	2323	2317	N20	E28	.500	8509	21.1	9	1-				.55				1 1 1
HALE	18	2314	2323	2317	N20	E28	.500	8509	21.1	9	-N	1	C	2317	.46	.50			
712	18	2351	2354	2353	N06	E09	.157	8505	19.7	3	1-				.31				2 2 2
HALE	18	2351	2354D	2353	N07	E09	.155	8505	19.7	3D	-B	1	P	2353	.36	.40			E
CULG	18	2352E	2354D	2352	N04	E09	.165	8505	19.7	2D	-N		P	2352	.21				

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERVATORY	OBSERVED UT DATE 1966 SEP!	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
713	19	0121	0238	0158	N19	E25	.454	8509	20.9	77	1-				1.12				1 1 1
CULG	19	0121	0238	0158	N19	E25	.454	8509	20.9	77	-N		C	0158	1.24	1.32			FKL
714	19	0127	0259	0157	N30	E11	.424	8506	19.9	92	1-				1.49				1 1 1
HALE	19	0127	0259D	0157	N30	E11	.424	8506	19.9	92D	-N	1	C	0157	1.24	1.40			
715	19	0204	0213	0208	N20	E36	.604	8509	21.8	9	1-				.43				1 1 1
HALE	19	0204	0213	0208	N20	E36	.604	8509	21.8	9	-N	1	C	0208	.36	.50			T
716	19	0222	0252	0231	N07	E03	.052	8505	19.3	30	1-				.37				1 1 1
HALE	19	0222	0252	0231	N07	E03	.052	8505	19.3	30	-N	1	C	0231	.31	.32			
717	19	0245	0259	0249	N22	E37	.624	8509	21.9	14	1-				.19				1 1 1
CULG	19	0245	0259	0249	N22	E37	.624	8509	21.9	14	-N		C	0249	.21	.24			
718	19	0302	0330	0305	N19	E23	.427	8509	20.9	28	1-				.37				1 1 1
CULG	19	0302	0330	0305	N19	E23	.427	8509	20.9	28	-N		C	0305	.41	.44			L
719	19	0306	0336	0319	N22	E33	.575	8509	21.6	30	1-				.28				1 1 1
CULG	19	0306	0336	0319	N22	E33	.575	8509	21.6	30	-N		C	0319	.31	.37			
720	19	0546	0552	0548	N10	E06	.115	8505	19.7	6	1-				.56				1 1 1
CULG	19	0546	0552	0548	N10	E06	.115	8505	19.7	6	-N		C	0548	.62				L
721	19	0659	0708	0700	N09	E04	.076	8505	19.6	9	1-				.19				2 2 1
ATHN	19	0658	0709	0700	N10	E05	.100	8505	19.7	11	-N	3		0700	.17	.20	1.40		
KAND	19	0700	0707		N07	E03	.052	8505	19.5	7	-F								
722	19	0713	0719	0714	N21	E33	.570	8509	21.8	6	1-				.32				1 1 1
ATHN	19	0713	0719	0714	N21	E33	.570	8509	21.8	6	-N	3		0714	.33	.40	1.50		
723	19	0745	0800	0745	N31	W85	.990	8497	12.9	15	1-				.56				3 3 1
ONDR	19	0745E	0757		N33	W85	.990	8497	12.9	12D	-B		V	0750			3.20		CD
ISTA	19	0745E	0800		N30	W90	.998	8497	12.6	15D	-								
ATHN	19	0745E	0804	0745	N30	W80	.977	8497	13.3	19D	-N	2		0745	.50		1.70		
724	19	0745	0804		N23	W90	.999	8496	12.6	19	1-								1 1 0
KAND	19	0745	0804		N23	W90	.999	8496	12.6	19	-N								
725	19	0826	0833	0830	N10	E07	.130	8505	19.9	7	1-				.51				4 4 3
ISTA	19	0825	0830		N09	E07	.125	8505	19.9	5	1								
MEUD	19	0825	0833	0830	N08	E05	.088	8505	19.7	8	-N			0830	.83	.83			
UCCL	19	0827	0831		N12	E08	.161	8505	20.0	4	-F		C	0830	.31	.40			D
MANI	19	0828	0837	0830	N09	E06	.108	8505	19.8	9	-N			0830	.72	.73			
726	19	0838	0921	0843	N21	E34	.583	8509	21.9	43	1-				.80				6 5 3
ISTA	19	0837	0900D		N22	E33	.575	8509	21.8	23D	1								
MEUD	19	0838	0850	0843	N20	E35	.592	8509	22.0	12	-N			0843	.52	.60			E
ATHN	19	0840E	0859	0843	N22	E32	.563	8509	21.8	19D	-N	2		0843	1.32	1.80	1.60		
MANI	19	0840	0904	0844	N20	E36	.604	8509	22.1	24	-N			0844	.62	.77			
ONDR	19	0842E	0855D		N21	E33	.570	8509	21.8	13D	-N		V	0843			1.70		CDH
KAND	19	0850E	1030D		N18	E37	.610	8509	22.1	100D	-N								
727	19	0854	0950	0901	N08	E04	.071	8505	19.7	56	1-				.16				2 2 1
KAND	19	0850E	1030D		N07	E04	.069	8505	19.7	100D	-N								
MEUD	19	0858	0910	0901	N08	E03	.054	8505	19.6	12	-F			0901	.21	.22			D
728	19	0947	1118	0958	N24	W90	.999	8496	12.7	91	1-				1.95				5 5 3
KAND	19	0940	1233		N22	W90	.999	8496	12.7	173	-N								
CAPS	19	0949E	1002D		N19	W90	.999	8496	12.7	13D	1N	1		0956	.50			170	
ONDR	19	0950E	1008D		N29	W90	.998	8497	12.7	18D	1N		V	0956			1.90		AC
KIEV	19	0950E	1010D	0959	N27	W90	.998	8497	12.7	20D	-F		C	0959	5.16			55	D
MEUD	19	0953	1003	0956	N23	W90	.999	8496	12.7	10	-N			0956	.26				
729	19	0952	1002		N20	E35	.592	8509	22.0	10	1-								1 1 0
KAND	19	0952	1002		N20	E35	.592	8509	22.0	10	-N								
730	19	1158	1252	1213	N23	E30	.543	8509	21.7	54	2-				6.70				9 8 6
MEUD	19	1157	1240	1208	N21	E30	.532	8509	21.7	43	1B								FV
ATHN	19	1157	1244	1218	N22	E29	.525	8509	21.7	47	1B	1		1218	3.96	4.70	2.00		
KAND	19	1201	1233D		N20	E35	.592	8509	22.1	32D	1B								
ONDR	19	1203E	1254	1212	N23	E29	.531	8509	21.7	51D	2B		V	1212			4.10		CFHLR
ABST	19	1206E	1318D	1211	N26	E28	.540	8509	21.6	72D	2F		C	1220	4.50	5.30			F
MCMA	19	1207E	1255		N23	E28	.519	8509	21.6	48D	2B		C	1218	5.16	6.10			FL
KIEV	19	1208E	1240D	1212	N23	E32	.568	8509	21.9	32D	2N		C	1212	14.44	18.00		65	EI
AROS	19	1210E	1250D	1222	N23	E28	.519	8509	21.6	40D	2B		P	1222	8.04	9.00			
UCCL	19	1214E	1238	1225	N28	E30	.577	8509	21.8	24D	2N		P	1225	5.16	7.30			EK
731	19	1201	1233		N07	E05	.087	8505	19.9	32	1-								1 1 0
KAND	19	1201	1233		N07	E05	.087	8505	19.9	32	-N								
732	19	1311	1341	1314	N31	W89	.997	8497	12.9	30	1-				.37				3 1 1
MEUD	19	1311	1323	1314	N30	W90	.998	8497	12.8	12	-N			1314	.46				
MCMA	19	1323E	1348		N31	W88	.996	8497	13.0	25D	-N		C	1324	.52				D
ARCE	19	1335E	1352D		N33	W88	.995	8497	13.0	17D	1N		C	1343	1.11				H
733	19	1411	1415	1411	N08	E02	.038	8505	19.7	4	1-				.28				1 1 1
MEUD	19	1411	1415	1411	N08	E02	.038	8505	19.7	4	-N			1411	.36	.40			
734	19	1415	1420	1417	N21	E32	.558	8509	22.0	5	1-				.61				2 2 2
MEUD	19	1414	1421	1416	N20	E31	.540	8509	21.9	7	-N			1416	.62	.70			
UCCL	19	1415	1419	1418	N22	E32	.563	8509	22.0	4	-N		C	1418	1.03	1.60			E
735	19	1449	1452	1450	N20	E31	.540	8509	21.9	3	1-				.28				1 1 1
MEUD	19	1449	1452	1450	N20	E31	.540	8509	21.9	3	-F			1450	.36	.40			E

SOLAR FLARES

REVISED

SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 SEP!	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. %	
736	19	1503	1508	1503	N10	E01	.053	8505	19.7	5	1-				.24				2 2 ?
MEUD	19	1502	1507	1503	N08	E01	.023	8505	19.7	5	-F			1503	.36	.40			
HUAN	19	1503	1508D		N11	E01	.069	8505	19.7	5D	-F	1	P	1505	.21	.21			D
737	19	1524	1532	1524	N22	W90	.999	8496	12.9	8	1-				.28				1 1 1
MEUD	19	1524	1532	1524	N22	W90	.999	8496	12.9	8	-N			1524	.36				
738	19	1528	1535	1528	N20	E14	.321	8509	20.7	7	1-				.42				1 1 1
MEUD	19	1528	1535D	1528	N20	E14	.321	8509	20.7	7D	-N			1528	.52	.53			
739	19	1535	1542	1537	N20	E20	.395	8509	21.1	7	1-				.28				1 1 1
MEUD	19	1535	1542D	1537	N20	E20	.395	8509	21.1	7D	-N			1537	.36	.40			E
740	19	1641	1835	1812	N24	E24	.477	8509	21.5	114	1				2.44				3 3 3
SACP	19	1641	1829	1810	N24	E19	.420	8509	21.1	108	1N		C		3.07	3.09			
HALE	19	1803E	1850	1814	N25	E25	.497	8509	21.6	47D	1B	1	P	1814	2.78	3.20			TF
MCMA	19	1807E	1827		N23	E28	.519	8509	21.9	20D	-N		C	1807	.83	1.00			EH
741	19	1840	1901	1854	N10	W00	.050	8505	19.8	21	1				2.01				1 1 1
SACP	19	1840	1901	1854	N10	W00	.050	8505	19.8	21	1N		C		2.23	2.20			
742	19	1926	1943	1938	N22	E27	.500	8509	21.8	17	1-				.25				1 1 1
HALE	19	1926	1943	1938	N22	E27	.500	8509	21.8	17	-N	1	C	1938	.21	.22			T
743	19	2111	2320	2122	N22	E24	.462	8509	21.7	129	1-				.62				2 1 1
HALE	19	2111	2320D	2122	N22	E22	.437	8509	21.5	129D	-N	1	C	2122	.52	.60			TK
HUAN	19	2206E	2210D		N21	E26	.480	8509	21.9	4D	-F	1	P	2207	.37	.38			D
744	19	2152	2245	2158	N07	W08	.138	8505	19.3	53	1				2.82				4 3 3
CULG	19	2133	2247	2156	N04	W08	.149	8505	19.3	74	-N		C	2156	1.75				F
HALE	19	2135	2345	2159	N09	W07	.125	8505	19.4	130	1B	1	C	2259	2.37	2.40			F
SACP	19	2153	2242	2159	N06	W08	.140	8505	19.3	49	1N		C		3.87	3.79			
HUAN	19	2206E	2210D		N09	W08	.142	8505	19.3	4D	1F	1	P	2207	2.27	2.28			
745	19	2225	2247	2230	N25	E15	.389	8509	21.1	22	1-				.18				1 1 1
HALE	19	2225	2247	2230	N25	E15	.389	8509	21.1	22	-F	1	C	2230	.15	.20			
746	19	2235	2312	2253	N10	W03	.072	8505	19.7	37	1-				1.21				2 2 2
HALE	19	2225	2320D	2253	N10	W03	.072	8505	19.7	55D	-B	1	P	2253	1.24	1.24			
CULG	19	2245	2304	2253	N10	W03	.072	8505	19.7	19	-N		C	2253	1.03				L
747	19	2338	0000	2338	N09	W03	.061	8505	19.8	22	1-				.37				1 1 1
HALE	19	2338E	0000D	2338E	N09	W03	.061	8505	19.8	22D	-N	2	P	2338	.31	.32			
748	19	2343	0010	0000	N22	E22	.437	8509	21.6	27	1-				1.88				2 2 2
HALE	19	2338E	0000D	0000D	N22	E22	.437	8509	21.6	22D	-N	1	P	0000	1.75	2.00			F
MITK	19	2347	0010	2349	N22	E22	.437	8509	21.6	23	1N		C	2349	2.17	2.40			E
749	20	0021	0037	0021	N23	E23	.457	8509	21.7	16	1				2.24				4 2 2
VORO	20	0019	0028	0020	N24	E23	.466	8509	21.7	9	-B		C	0020	1.71	1.93		84	EJ
MITK	20	0021	0038	0022	N22	E23	.449	8509	21.7	17	1B		C	0022	3.71	4.20			
IKOM	20	0024	0034D		N22	E25	.474	8509	21.9	10D	1N		V	0024	3.09	3.50	1.74	115	E
HALE	20	0025E	0045		N25	E22	.463	8509	21.7	20D	-B	1	C	0025	1.34	1.50			FI
750	20	0041	0107	0049	N25	E21	.452	8509	21.6	26	1-				1.63				2 2 ?
MITK	20	0040	0108	0053	N24	E22	.454	8509	21.7	28	1N		C	0053	3.61	4.00			E
HALE	20	0041	0105	0045	N25	E20	.441	8509	21.5	24	-N	1	C	0045	.31	.32			
751	20	0110	0134	0113	N21	E24	.455	8509	21.8	24	1-				1.19				2 2 2
HALE	20	0110	0132	0112	N21	E23	.442	8509	21.8	22	-N	2	C	0112	.83	.90			
MITK	20	0110	0135	0113	N21	E24	.455	8509	21.8	25	1N		C	0113	1.86	2.10			
752	20	0222	0234	0223	N22	E24	.462	8509	21.9	12	1-				.49				2 2 1
MITK	20	0222E	0231		N21	E24	.455	8509	21.9	9D	-N		V						
HALE	20	0222	0236	0223	N22	E23	.449	8509	21.8	14	-B	2	C	0223	.41	.50			
753	20	0248	0255	0250	N23	E10	.318	8509	20.9	7	1-				.37				1 1 1
HALE	20	0248	0255	0250	N23	E10	.318	8509	20.9	7	-N	2	C	0250	.31	.32			
754	20	0255	0329	0301	N24	E18	.409	8509	21.5	34	1+				5.26				4 4 3
HALE	20	0255	0330	0257	N24	E16	.388	8509	21.3	35	1B	2	P	0257	2.27	2.50			FI
SIBE	20	0255E	0317D	0304	N22	E18	.389	8509	21.5	22D	2F		P	0304	9.86	11.00		51	C
MITK	20	0255E	0323D		N24	E20	.431	8509	21.6	28D	2F		V						
TACH	20	0259E	0327		N26	E19	.441	8509	21.5	28D	1N		C	0304	5.01	5.50	1.50	66	E
755	20	0332	0419	0337	N10	W09	.163	8505	19.5	47	1+				5.63				3 3 3
HALE	20	0332	0415	0337	N09	W09	.158	8505	19.5	43	1B	2	C	0337	3.20	3.20			FI
TACH	20	0332	0423	0336	N11	W09	.168	8505	19.5	51	1B		C	0336	4.37	4.50	2.50	99	FH
SIBE	20	0334E	0400D	0337	N10	W10	.179	8505	19.4	26D	2F		P	0337	10.06	10.40		55	C
756	20	0347	0400		N00	W10	.212	8505	19.4	13	1-								1 1 0
MITK	20	0347E	0400D		N00	W10	.212	8505	19.4	13D	-N		V						
757	20	0506	0511		N21	E22	.429	8509	21.9	5	1-				.36				1 1 1
MITK	20	0506	0511		N21	E22	.429	8509	21.9	5	-F		V		.51	.52			
758	20	0620	0625		N22	E22	.437	8509	21.9	5	1-				.09				1 1 1
IKOM	20	0620E	0625D		N22	E22	.437	8509	21.9	5D	-F		V	0620	.31	.32			D
759	20	0636	0701	0641	N21	E22	.429	8509	21.9	25	1-				.91				5 4 3
WEND	20	0636E	0655D		N23	E21	.433	8509	21.9	19D	1N				3.09				
ATHN	20	0639E	0655	0639	N21	E20	.404	8509	21.8	16D	-B	1		0639	.99	1.10	2.00		
ONDR	20	0640E	0655		N23	E23	.457	8509	22.0	15D	-B		V	0645			1.80		DH
CATA	20	0641E	0711D	0643	N17	E23	.415	8509	22.0	30D	-B			0643	.41	.46		206	
BUCA	20	0645E	0707D		N22	E21	.425	8509	21.9	22D	-N		C	0645	.50	.50			BJ
760	20	0750	0810		N08	W06	.105	8505	19.9	20	1-				.69				1 1 1
BUCA	20	0750E	0810D		N08	W06	.105	8505	19.9	20D	-N		P	0751	.98	1.00			

SOLAR FLARES

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SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 SEPT	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. %	
761	20	0823	0848	0828	N22	E19	.400	8509	21.8	25	1+				2.70				11 9 6
NERA	20	0821	0835		N21	E20	.404	8509	21.8	14	2	2							
ATHN	20	0823	0839D	0827	N22	E18	.389	8509	21.7	16D	1B	1		0827	1.98	2.10	2.00		
MEUD	20	0823	0840	0826	N21	E18	.379	8509	21.7	17	1N								F
ONDR	20	0823E	0840	0827	N25	E20	.441	8509	21.8	17D	1B		V	0827			5.30		CHJ
BUCA	20	0824E	0846D	0828	N25	E16	.399	8509	21.6	22D	1B		C	0828	3.61	4.00			EF
MONT	20	0824	0900		N21	E20	.404	8509	21.9	36	2N		C		2.48	2.50			
SALT	20	0825E	0842		N19	E19	.374	8509	21.8	17D	1N	3		0835	1.20	1.30			B
ARCE	20	0825	0845	0827	N23	E19	.410	8509	21.8	20	2N		C	0827	5.57	6.10			HFC
CAPS	20	0827E	0840		N22	E19	.400	8509	21.8	13D	-B	2		0835	1.00	1.10		228	C
KIEV	20	0833E	0840D	0833	N24	E18	.409	8509	21.7	7D	1N		C	0833	1.55	1.70		65	DI
CATA	20	0840E	0925D		N24	E18	.409	8509	21.7	45D	-N			0900	1.46	1.62		169	
762	20	0852	0946	0900	N25	E18	.420	8509	21.7	54	1				4.48				8 8 7
ONDR	20	0848	0928	0900	N30	E18	.476	8509	21.7	40	2F		V	0900			2.00		CFHJL
WEND	20	0850	1004		N25	E19	.430	8509	21.8	74	1N				5.16				
BUCA	20	0851E	0958D		N25	E19	.430	8509	21.8	67D	1N		C	0903	3.11	3.60			
ARCE	20	0853	0920	0900	N26	E17	.421	8509	21.6	27	-N		C	0900	1.62	1.80			HC
SALT	20	0855E	0908D		N23	E18	.399	8509	21.7	13D	1F	3		0905	1.80	2.00		147	F
ATHN	20	0855E	0946	0931	N20	E18	.370	8509	21.7	51D	1N	1			3.63	4.00	1.80		
MONT	20	0855	1010		N22	E21	.425	8509	21.9	75	2B		C		2.47	2.50			
KIEV	20	0857E	0920D	0900	N26	E17	.421	8509	21.6	23D	2F		C	0900	15.47	15.40		60	HI
763	20	0933	1010	0946	N08	W14	.240	8505	19.3	37	1-				.96				9 8 8
NERA	20	0930	0955D		N10	W10	.179	8505	19.6	25D	1	2							
ONDR	20	0932	1012		N09	W17	.291	8505	19.1	40	-N		V	0947			1.90		CDEJ
ATHN	20	0933	1007	0935	N05	W12	.210	8505	19.5	34	-N	1		0935	.99	1.00	1.50		
WEND	20	0934	1005D		N08	W13	.224	8505	19.4	31D	1N				3.09				
ARCE	20	0935	1000D	0945	N07	W15	.257	8505	19.3	25D	-N		C	0945	.51	.50			DC
BUCA	20	0936	1007	0946	N10	W13	.228	8505	19.4	31	-B		C	0946	1.31	1.30			F
CAPS	20	0942E	0952D		N07	W16	.274	8505	19.2	10D	-N	1							
KIEV	20	0945E	1000D	0948	N08	W17	.290	8505	19.1	15D	1F		C	0948	1.03	1.10		65	DI
CATA	20	0952E	1015D	0955	N09	W15	.258	8505	19.3	23D	-N			0955	1.00	1.04		195	
764	20	1035	1053	1039	N21	E20	.404	8509	21.9	18	1-				.69				7 6 6
UCCL	20	1034	1044	1038	N22	E19	.400	8509	21.9	10	-N		C	1038	.52	.60			D
CATA	20	1035E	1045D	1039	N20	E20	.395	8509	21.9	10D	-B			1039	.29	.32		254	
KIEV	20	1035E	1046D	1039	N22	E20	.412	8509	21.9	11D	1F		C	1039	1.03	1.10		65	DI
MONT	20	1035	1110		N20	E19	.382	8509	21.9	35	-B		C		1.00	1.00			
WEND	20	1036E	1050		N22	E20	.412	8509	21.9	14D	1N				3.09				
BUCA	20	1037E	1052D	1040	N21	E19	.391	8509	21.9	15D	-N		C	1040	.50	.50			
ONDR	20	1040E	1049		N23	E20	.422	8509	21.9	9D	-N		V	1040			2.00		CDJ
765	20	1046	1122	1052	N09	W14	.242	8505	19.4	36	2				7.52				11 8 7
NERA	20	1045E	1055		N10	W10	.179	8505	19.7	10D	2	2							
WEND	20	1046	1136		N10	W14	.244	8505	19.4	50	3B				14.95				
MONT	20	1048	1120		N08	E11	.190	8505	21.3	32	2B		C		5.09	5.00			
CATA	20	1048E	1110D	1052	N10	W15	.261	8505	19.3	22D	1B			1052	3.72	3.86		251	
BUCA	20	1048E	1141D	1051	N11	W15	.264	8505	19.3	53D	1B		C	1051	4.27	4.40			F
UCCL	20	1048	1118	1051	N10	W15	.261	8505	19.3	30	2B		C	1051	8.25	8.80			F
SALT	20	1050E	1121D		N10	W10	.179	8505	19.7	31D	2N	3		1052	6.00	6.30		176	F
KIEV	20	1051E	1135D	1051	N09	W14	.242	8505	19.4	44D	2N		C	1051	13.41	13.40		70	HIU
ONDR	20	1053E	1125	1059	N09	W18	.308	8505	19.1	32D	2N		V	1059			2.50		CFJ
ATHN	20	1054E	1116	1055	N05	W10	.177	8505	19.7	22D	-N	1		1055	1.98	2.00	1.90		
KHAR	20	1058E	1123		N08	W16	.274	8505	19.3	25D	1N		P	1101	2.84	2.90	2.60		H
766	20	1115	1148		N27	E34	.614		23.0	33	1-				.23				1 1 1
BUCA	20	1115E	1148D		N27	E34	.614		23.0	33D	-N		C	1118	.33	.40			G
767	20	1116	1146		N22	E54	.809	8514	24.5	30	1-				1.24				1 1 1
WEND	20	1116	1146		N22	E54	.809	8514	24.5	30	1N				3.09				
768	20	1129	1231		N18	E44	.697	8514	23.8	62	1-				1.24				1 1 1
WEND	20	1129	1231D		N18	E44	.697	8514	23.8	62D	1N				3.09				
769	20	1226	1258	1247	N22	E19	.400	8509	21.9	32	1-				1.13				6 3 3
BUCA	20	1222E	1300D		N21	E18	.379	8509	21.9	38D	-B		C	1248	.99	1.10			
WEND	20	1229	1300		N23	E19	.410	8509	21.9	31	1N				3.09				
KIEV	20	1244E	1254D	1247	N22	E20	.412	8509	22.0	10D	1B		C	1247	1.55	1.60		68	DI
CAPS	20	1248E	1257D		N24	E19	.420	8509	22.0	9D	-B	1		1249	1.00	1.10		216	
ONDR	20	1249E	1255		N23	E19	.410	8509	22.0	6D	-N		V	1250			2.80		CDJ
KHAR	20	1250E	1255		N20	E18	.370	8509	21.9	5D	1N		P	1253	3.40	3.70	2.70		Q
770	20	1224	1244		N07	W07	.121	8505	20.0	20	1-				.74				2 2 2
WEND	20	1224	1242		N07	W08	.138	8505	19.9	18	1N				3.09				
BUCA	20	1225E	1246D		N06	W06	.106	8505	20.1	21D	-N		C	1229	.33	.34			D
771	20	1249	1258	1249	N11	E18	.312	8509	21.9	9	1-				.72				1 1 1
ATHN	20	1249E	1258	1249	N11	E18	.312	8509	21.9	9D	-N	1		1249	.66	.70	1.90		
772	20	1307	1312		N18	W50	.764	8511	16.8	5	1-				.11				1 1 1
MEUD	20	1307E	1312		N18	W50	.764	8511	16.8	5D	-N			1307	.15	.20			
773	20	1310	1338		N14	E16	.295	8509	21.7	28	1-				1.24				1 1 1
WEND	20	1310E	1338		N14	E16	.295	8509	21.7	28D	1N				3.09				

SOLAR FLARES
REVISED
SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1966 SEPT	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. %	
774	20	1325	1355	1349	N22	E17	.377	8509	21.8	30	1-				.94				5 5 5
WEND	20	1316	1339		N23	E18	.399	8509	21.9	23	1N				3.09				
MEUD	20	1324	1352	1349	N20	E16	.345	8509	21.8	28	-N			1349	.36	.40			
ARCE	20	1330E	1345		N24	E15	.377	8509	21.7	15D	-N		C	1330	.55	.60			D
SACP	20	1336	1422	1350	N22	E17	.377	8509	21.8	46	-F		C		1.29	1.28			
KIEV	20	1347E	1352D	1349	N22	E20	.412	8509	22.1	5D	1F		C	1349	1.55	1.60		65	DI
775	20	1325	1335	1326	N18	W51	.775	8511	16.7	10	1-				.74				3 2 2
WEND	20	1324	1336		N18	W50	.764	8511	16.8	12	1N				3.09				
MEUD	20	1325	1333	1326	N17	W52	.784	8511	16.7	8	-N			1326	.31	.50			
ARCE	20	1330E	1330D		N18	W52	.785	8511	16.7		-N		C	1330	.38	.60			
776	20	1404	1412	1406	N11	E17	.296	8509	21.9	8	1-				.54				1 1 1
ATHN	20	1404	1412D	1406	N11	E17	.296	8509	21.9	8D	-B	1		1406	.50	.50	2.00		
777	20	1407	1422	1411	N22	E17	.377	8509	21.9	15	1-				.59				6 4 3
ONDR	20	1405	1420	1414	N23	E18	.399	8509	21.9	15	-B		V	1414			3.20		CDHJR
MEUD	20	1406	1420	1407	N20	E16	.345	8509	21.8	14	-B								H
WEND	20	1407	1420		N22	E18	.389	8509	21.9	13	1N				3.09				
HUAN	20	1411	1419	1413	N21	E18	.379	8509	21.9	8	-N	2	C	1413	.31	.31			E
CAPS	20	1413E	1417D		N22	E18	.389	8509	21.9	4D	-F	1		1416	.40	.40		160	
ARCE	20	1415E	1430D		N22	E15	.354	8509	21.7	15D	-N		C	1415	.32	.30			DH
778	20	1448	1503	1450	N21	E17	.367	8509	21.9	15	1-				1.19				4 3 3
WEND	20	1447	1507		N22	E18	.389	8509	22.0	20	1N				4.13				
MEUD	20	1448	1458	1450	N20	E16	.345	8509	21.8	10	-N			1450	.62	.63			H
ARCE	20	1450	1500D	1450	N21	E18	.379	8509	22.0	10D	-N		C	1450	1.28	1.40			C
ONDR	20	1451E	1455D		N22	E15	.354	8509	21.7	4D	1N		V	1454			2.40		CJ
779	20	1518	1534	1520	N22	E14	.344	8509	21.7	16	1-				.75				3 2 2
ARCE	20	1515	1530D	1520	N22	E15	.354	8509	21.8	15D	-N		C	1520	.99	1.10			C
MEUD	20	1517	1526	1519	N21	E14	.332	8509	21.7	9	-N			1519	.52	.53			
WEND	20	1522	1545D		N24	E14	.368	8509	21.7	23D	1N				3.09				
780	20	1602	1624	1603	N21	E16	.355	8509	21.9	22	1-				.68				2 2 2
MEUD	20	1600	1620D	1603	N20	E15	.333	8509	21.8	20D	-N			1615	.15	.20			
WEND	20	1603	1624		N22	E17	.377	8509	21.9	21	1N				3.09				
781	20	1642	1650		N23	E15	.366	8509	21.8	8	1-								1 1 0
UCCL	20	1642	1650D		N23	E15	.366	8509	21.8	8D	-B		P						D
782	20	1642	1650		N07	W15	.257	8505	19.6	8	1-								1 1 0
UCCL	20	1642	1650D		N07	W15	.257	8505	19.6	8D	-B		P						E
	20	1650	1735	NO FLARE PATROL															
783	20	1738	2103	1805	N05	W14	.243	8505	19.7	205	2				9.24				4 3 2
LOCK	20	1738E	2100	1805	N03	W15	.267	8505	19.6	202D	2B		C	1805	7.00	7.00		30	
SACP	20	1801E	2125D	1804U	N05	W15	.260	8505	19.6	204D	2B		P		11.69	11.48			
HUAN	20	1803E	1905D		N07	W13	.223	8505	19.8	62D	2N	1	S						H
HALE	20	1851E	2045		N06	W14	.241	8505	19.7	114D	2N	2	P	1851	8.25	8.50			BFIZ
784	20	2110	2125	2114	N10	W20	.342	8505	19.4	15	1-				.29				1 1 1
LOCK	20	2110	2125	2114	N10	W20	.342	8505	19.4	15	-N		C	2114	.30	.30		10	
785	20	2308	2317	2312	N22	E13	.333	8509	21.9	9	1-				.19				1 1 1
LOCK	20	2308	2317	2312	N22	E13	.333	8509	21.9	9	-N		C	2312	.20	.20		10	
786	20	2347	0010	2349	N19	W57	.834	8511	16.7	23	1-				.55				2 2 2
LOCK	20	2344	0005	2348	N19	W56	.825	8511	16.8	21	-N		C	2348	.60	1.10		10	
HALE	20	2349	0015	2350	N19	W57	.834	8511	16.7	26	-N	2	C	2350	.41	.70			
787	20	2349	2356	2351	N22	E13	.333	8509	22.0	7	1-				.44				2 2 2
LOCK	20	2347	2357	2350	N22	E13	.333	8509	22.0	10	-N		C	2350	.50	.70		20	
HALE	20	2350	2354	2351	N22	E12	.323	8509	21.9	4	-N	2	C	2351	.31	.32			
788	21	0051	0101	0053	N21	E06	.260	8509	21.5	10	1-				.54				2 2 2
LOCK	21	0050	0103	0053	N21	E06	.260	8509	21.5	13	-N		C	0053	.70	.70		10	
MITK	21	0051	0058	0053	N21	E05	.254	8509	21.4	7	-F		C	0053	.52	.52			D
789	21	0147	0151	0149	N10	W19	.326	8505	19.6	4	1-				.49				1 1 1
HALE	21	0147	0151	0149	N10	W19	.326	8505	19.6	4	-F	1	C	0149	.41	.42			T
790	21	0204	0213	0205	N03	W18	.315	8505	19.7	9	1-				.49				1 1 1
HALE	21	0204	0213	0205	N03	W18	.315	8505	19.7	9	-F	1	C	0205	.41	.42			T
791	21	0243	0248	0245	N22	E08	.289	8509	21.7	5	1-				.25				1 1 1
HALE	21	0243	0248	0245	N22	E08	.289	8509	21.7	5	-N	1	C	0245	.21	.22			T
792	21	0315	0325	0319	N10	W19	.326	8505	19.7	10	1-				.55				1 1 1
HALE	21	0315	0325	0319	N10	W19	.326	8505	19.7	10	-N	1	C	0319	.46	.50			T
793	21	0346	0356	0350	N21	E08	.274	8509	21.8	10	1-				.25				1 1 1
HALE	21	0346	0356	0350	N21	E08	.274	8509	21.8	10	-N	1	C	0350	.21	.22			T
794	21	0416	0427	0419	N24	E08	.318	8509	21.8	11	1-				.72				2 2 2
MITK	21	0415	0426	0419	N23	E08	.304	8509	21.8	11	-N		C	0419	.93	1.00			E
TACH	21	0416	0427	0418	N25	E08	.333	8509	21.8	11	-F		C	0418	.91	2.90	2.20	45	E
795	21	0650	0705		N25	E79	.975	8516	27.2	15	1-				.23				1 1 1
BUCA	21	0650E	0705D		N25	E79	.975	8516	27.2	15D	-N		C	0652	.33				
796	21	0737	0757		N19	W60	.861	8511	16.8	20	1-				.23				1 1 1
BUCA	21	0737	0757D		N19	W60	.861	8511	16.8	20D	-B		C	0739	.33	.70			
797	21	0829	0859		N22	E06	.276	8509	21.8	30	1-				.46				1 1 1
BUCA	21	0829E	0859D		N22	E06	.276	8509	21.8	30D	-F		C	0842	.66	.70			

SOLAR FLARES

REVISED
SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT DATE 1966 SEPT	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
798	21	0916	0954	0931	N19	W65	.900	8511	16.5	38	1+				1.38				2 2 2
BUCA	21	0916E	0953D		N19	W61	.869	8511	16.8	37D	-F		C	0931	.25	.50			D
ABST	21	0927E	0954D	0931	N19	W68	.920	8511	16.3	27D	2B		C	0931	3.16	6.02			E
799	21	0930	1015	0934	N22	E05	.270	8509	21.8	45	1				2.28				11 10 8
BUCA	21	0928E	1125D		N22	E01	.258	8509	21.5	117D	-B		C	0935	1.64	1.70			J
ATHN	21	0929	0951	0934	N21	E07	.267	8509	21.9	22	1B	1		0934	2.64	2.80	2.00		
SIBE	21	0929E	0958D	0934	N23	E02	.276	8509	21.5	29D	1N		C	0934	3.41	4.00		94	C
MONT	21	0929	1020D		N21	E04	.249	8509	21.7	51D	2N		C		5.09	5.00			
NERA	21	0930E	0938D	0933	N22	E05	.270	8509	21.8	8D	2	2							
MEUD	21	0930	0945	0935	N21	E07	.267	8509	21.9	15	-B			0935	1.75	1.80			
CAPS	21	0930	0959		N22	E06	.276	8509	21.8	29	-B	3		0937	1.50	1.50		260	
ONDR	21	0930E	1007	0934	N22	E05	.270	8509	21.8	37D	2B		V	0934			4.90		CH
WEND	21	0931	1032		N23	E06	.291	8509	21.8	61	1N				5.16				
ARCE	21	0945E	1000D		N21	E08	.274	8509	22.0	15D	-N		C	0945	1.66	1.70			
UCCL	21	0930	1008	0933	N24	E05	.302	8509	21.8	38	-B		C	0933	.41	.50			E
800	21	0930	1000		N23	E78	.971	8516	27.2	30	1				1.34				1 1 1
ARCE	21	0930E	1000D		N23	E78	.971	8516	27.2	30D	1F		C	0930	1.34	4.00			
801	21	0930	0955		N22	W02	.259	8509	21.2	25	1				1.33				2 2 2
UCCL	21	0930	0949		N23	W02	.276	8509	21.2	19	2F		C	0937	4.13	4.80			D
ARCE	21	0945E	1000D		N21	W01	.241	8509	21.3	15D	-B		C	0945	.58	.60			Z
802	21	1002	1031		N10	W26	.436	8505	19.5	29	1-				.74				2 2 2
WEND	21	1002	1030		N09	W25	.420	8505	19.5	28	1N				3.09				
BUCA	21	1011E	1031D		N10	W26	.436	8505	19.5	20D	-N		C	1014	.33	.40			
803	21	1026	1100	1029	N23	E79	.975	8516	27.4	34	1-				.74				6 5 4
WEND	21	1022	1046		N23	E77	.967	8516	27.2	24	1N				4.13				
ATHN	21	1025	1041	1028	N23	E82	.985	8516	27.6	16	-B	1		1028	.33		1.90		
CAPS	21	1027E	1033		N22	E80	.979	8516	27.4	6D	1N	3		1029	.70			170	
MEUD	21	1027	1035	1030	N22	E75	.959	8516	27.1	8	-N			1030	.31				D
ONDR	21	1029	1039		N25	E80	.978	8516	27.4	10	-F		V	1031			1.60		CD
BUCA	21	1034E	1243D		N23	E78	.971	8516	27.3	129D	1N		P	1037	.83				
804	21	1409	1413	1410	N21	E05	.254	8509	22.0	4	1-				.38				2 2 2
ATHN	21	1408	1413	1410	N21	E05	.254	8509	22.0	5	-N	2		1410	.50	.50	1.50		
MEUD	21	1409	1413	1410	N21	E04	.249	8509	21.9	4	-F			1410	.26	.30			D
805	21	1641	1651	1646	N22	E78	.971	8516	27.5	10	1-				.26				1 1 1
LOCK	21	1641	1651	1646	N22	E78	.971	8516	27.5	10	-F		C	1646	.30	.80		10	
806	21	1645	1656	1649	N42	E60	.892	8516	26.2	11	1-				.39				1 1 1
LOCK	21	1645	1656	1649	N42	E60	.892	8516	26.2	11	-F		C	1649	.40	.80		10	
807	21	1649	1708	1653	N22	E03	.262	8509	21.9	19	1-				.40				1 1 1
LOCK	21	1649	1708	1653	N22	E03	.262	8509	21.9	19	-B		C	1653	.40	.40		30	H
808	21	1813	2019	1832	N26	E41	.686	8514	24.8	126	1+				3.55				2 2 2
SACP	21	1811	2033	1832	N27	E40	.680	8514	24.8	142	1N		C		3.75	4.32			
LOCK	21	1814	2005	1831	N25	E41	.682	8514	24.8	111	1N		C	1831	3.10	4.30		20	L
809	21	1832	1911	1848	N23	W01	.275	8509	21.7	39	1-				.74				2 2 2
SACP	21	1830	1911	1848	N23	W00	.274	8509	21.8	41	-F		C		.86	.83			
LOCK	21	1833	1910	1848	N23	W01	.275	8509	21.7	37	-B		C	1848	.70	.70		30	H
810	21	1913	1944	1919	N23	W01	.275	8509	21.7	31	1-				.63				3 2 2
SACP	21	1912	1945	1932	N23	W01	.275	8509	21.7	33	-F		C		.60	.58			
LOCK	21	1914	1943	1919	N23	W01	.275	8509	21.7	29	-N		C	1919	.70	.70		20	
HUAN	21	1933E	1935D		N22	W01	.258	8509	21.7	2D	-F	1	P	1933	.25	.25			D
811	21	1958	2024	2010	N24	W01	.291	8509	21.8	26	1-				.71				2 2 2
LOCK	21	1958	2030	2008	N23	W01	.275	8509	21.8	32	-N		C	2008	1.00	1.00		20	H
HALE	21	2010E	2018	2011	N24	W01	.291	8509	21.8	8D	-N	1	C	2011	.31	.32			T
812	21	2051	2108	2055	N23	W04	.282	8509	21.6	17	1-				.43				2 2 2
LOCK	21	2051	2106	2055	N23	W04	.282	8509	21.6	15	-N		C	2055	.60	.60		20	
HALE	21	2051	2110	2054	N22	W04	.266	8509	21.6	19	-N	1	C	2054	.21	.22			T
813	21	2106	2133	2113	N24	W02	.293	8509	21.7	27	1-				.68				4 4 4
LOCK	21	2105	2135	2113	N23	W01	.275	8509	21.8	30	-N		C	2113	.80	.80		20	H
SACP	21	2106	2144	2113	N24	W02	.293	8509	21.7	38	-F		C		1.02	1.00			
HALE	21	2108	2119	2113	N24	W02	.293	8509	21.7	11	-N	1	C	2113	.41	.42			T
CULG	21	2108E	2122	2113	N24	W02	.293	8509	21.7	14D	-N		P	2113	.52				L
814	21	2216	2250	2219	N23	W01	.275	8509	21.9	34	1-				.29				1 1 1
LOCK	21	2216	2250	2219	N23	W01	.275	8509	21.9	34	-N		C	2219	.30	.30		20	H
815	21	2324	0005	2329	N10	W34	.555	8505	19.4	41	1-				1.03				5 5 5
CULG	21	2319E	0019	2329	N10	W33	.541	8505	19.5	60D	-N		C	2329	.83	.96			
SACP	21	2322	2350D	2327	N09	W34	.555	8505	19.4	28D	1N		P		2.23	2.37			
LOCK	21	2325	0005	2332	N11	W34	.556	8505	19.4	40	-N		C	2332	1.20	1.40		20	
VORO	21	2326	2351	2328	N09	W34	.555	8505	19.4	25	-N		C	2328	.45	.53		50	EK
HALE	21	2327	2355D	2331	N10	W34	.555	8505	19.4	28D	-N	1	P	2331	.72	.90			T
816	21	2335	0131	2347	N24	W06	.307	8509	21.5	116	1-				1.00				3 3 3
LOCK	21	2325	0000	2347	N24	W05	.302	8509	21.6	35	-N		C	2347	1.00	1.10		20	
CULG	21	2340	0301	2348	N24	W05	.302	8509	21.6	201	-N		C	2348	.62				
SACP	21	2340	2350D	2347	N24	W07	.312	8509	21.5	10D	-N		P		1.55	1.52			
817	21	2332	2348	2334	N18	W18	.353	8505	20.6	16	1-				.46				2 2 2
MANI	21	2331	2352		N13	W23	.397	8505	20.3	21	-F			2335	.72	.86			
HALE	21	2333	2344	2334	N22	W13	.334	8509	21.0	11	-N	1	C	2334	.21	.22			T

SOLAR FLARES

REVISED

SEPTEMBER 1966

OBSERV-ATORY	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 H α	MAX. INT. %	
	1966 SEPT																			
818	22	0020	0039	0022	N27	E71	.939	8516	27.3		19	1-				.86				1 1 1
HALE	22	0020	0039	0022	N27	E71	.939	8516	27.3		19	-N	1	C	0022	.72				
819	22	0239	0255	0243	N11	W35	.570	8505	19.5		16	1-				.55				2 2 2
CULG	22	0237	0301	0243	N10	W36	.584	8505	19.4		24	-N		C	0243	.52	.60			L
HALE	22	0241	0248	0243	N11	W34	.556	8505	19.6		7	-N	1	C	0243	.52	.60			
820	22	0249	0307	0259	N18	W75	.959	8511	16.5		18	1-				.31				1 1 1
HALE	22	0249	0307	0259	N18	W75	.959	8511	16.5		18	-N	1	C	0259	.26				
821	22	0322	0342	0327	N22	W16	.366	8509	20.9		20	1-				.25				1 1 1
HALE	22	0322	0342	0327	N22	W16	.366	8509	20.9		20	-N	1	C	0327	.21	.22			
822	22	0349	0413	0351	N18	W75	.959	8511	16.5		24	1-				.25				1 1 1
HALE	22	0349	0413D	0351	N18	W75	.959	8511	16.5		24D	-N	1	P	0351	.21				
823	22	0410	0434	0414	N14	E53	.793	8514	26.1		24	1-				.37				1 1 1
CULG	22	0410	0434	0414	N14	E53	.793	8514	26.1		24	-N		C	0414	.41	.64			
824	22	0617	0658		N19	W74	.954	8511	16.7		41	1-				.23				1 1 1
BUCA	22	0617E	0658D		N19	W74	.954	8511	16.7		41D	-N		P	0632	.33				
825	22	0705	0720		N19	W75	.959	8511	16.7		15	1-				.18				1 1 1
BUCA	22	0705E	0720D		N19	W75	.959	8511	16.7		15D	-N		C	0708	.25				
826	22	0725	0751		N23	W12	.337	8509	21.4		26	1-				.23				1 1 1
BUCA	22	0725E	0751D		N23	W12	.337	8509	21.4		26D	-N		C	0731	.33	.34			
827	22	0813	0841	0822	N22	W06	.276	8509	21.9		28	1-				.27				2 2 2
BUCA	22	0813E	0852D		N23	W04	.282	8509	22.0		39D	-N		C	0816	.25	.30			
ATHN	22	0820E	0830	0822	N21	W07	.267	8509	21.8		10D	-N	2		0822	.33	.30	1.40		
828	22	0835	0847		N23	W15	.366	8509	21.2		12	1-				.46				1 1 1
BUCA	22	0835E	0847D		N23	W15	.366	8509	21.2		12D	-N		C	0841	.66	.70			
829	22	0925	0932	0927	N20	W76	.964	8511	16.7		7	1-				.25				2 2 2
BUCA	22	0924E	0929D		N19	W76	.964	8511	16.7		5D	-N		P	0926	.17				
ATHN	22	0925	0932	0927	N20	W75	.959	8511	16.8		7	-N	2		0927	.33	.50	1.80		
830	22	0928	0939	0929	N21	E62	.878	8516	27.0		11	1-				.16				2 1 1
MEUD	22	0926	0932	0928	N21	E60	.862	8516	26.9		6	-F			0928	.21				D
ARCE	22	0930	0945	0930	N21	E64	.893	8516	27.2		15	-N		C	0930	.47	1.10			DC
831	22	0935	0945		N18	W75	.959	8511	16.8		10	1-				.51				1 1 1
ARCE	22	0935E	0945D		N18	W75	.959	8511	16.8		10D	-N		C	0940	.51	1.40			
832	22	1007	1021		N23	E63	.886	8516	27.1		14	1-				.35				1 1 1
BUCA	22	1007E	1021D		N23	E63	.886	8516	27.1		14D	-N		C	1009	.50	1.10			
833	22	1019	1028		N19	W76	.964	8511	16.7		9	1-				.23				1 1 1
BUCA	22	1019E	1028D		N19	W76	.964	8511	16.7		9D	-N		C	1023	.33				
834	22	1101	1109		N23	W19	.411	8509	21.0		8	1-				.18				1 1 1
BUCA	22	1101E	1109D		N23	W19	.411	8509	21.0		8D	-N		P	1105	.25	.30			D
835	22	1205	1214		N12	W39	.626	8505	19.6		9	1-				.23				1 1 1
BUCA	22	1205E	1214D		N12	W39	.626	8505	19.6		9D	-N		C	1211	.33	.40			
836	22	1213	1227		N29	E72	.945	8516	27.9		14	1-				.46				1 1 1
BUCA	22	1213E	1227D		N29	E72	.945	8516	27.9		14D	1N		P	1213	.66				
837	22	1226	1239		N12	W40	.639	8505	19.5		13	1-				.23				1 1 1
BUCA	22	1226E	1239D		N12	W40	.639	8505	19.5		13D	-F		C	1228	.33	.40			
838	22	1238	1302		N19	W78	.972	8511	16.7		24	1-				.23				1 1 1
BUCA	22	1238E	1302D		N19	W78	.972	8511	16.7		24D	-N		P	1242	.33				
839	22	1340	1400		N26	E66	.909	8516	27.5		20	1-				.29				1 1 1
ARCE	22	1340E	1400D		N26	E66	.909	8516	27.5		20D	-N		C	1340	.29	.60			
840	22	1405	1415		N23	E67	.914	8516	27.6		10	1-				.45				1 1 1
ATHN	22	1405E	1415		N23	E67	.914	8516	27.6		10D	-N	2		1405	.43				
841	22	1456	1526	1502	N21	W14	.333	8509	21.6		30	1-				.93				6 5 5
SACP	22	1453	1534	1501	N21	W15	.344	8509	21.5		41	-F		C		1.21	1.19			
MEUD	22	1455	1510		N21	W14	.333	8509	21.6		15	-F			1500	.41	.43			E
UCCL	22	1457E	1502D		N22	W15	.355	8509	21.5		5D			P						E
HUAN	22	1500E	1514		N21	W15	.344	8509	21.5		14D	-F	1	P	1502	.57	.57			E
ARCE	22	1500	1530	1500	N22	W10	.305	8509	21.9		30	-N		C	1500	1.46	1.50			FC
MCMA	22	1502E	1540	1505	N21	W16	.356	8509	21.4		38D	-N		C	1505	.72	.80			E
842	22	1457	1513	1500	N21	W06	.261	8509	22.2		16	1-				1.13				1 1 1
ATHN	22	1457	1513	1500	N21	W06	.261	8509	22.2		16	-N	2		1500	.99	1.00	1.50		
843	22	1552	1600	1555	N23	E63	.886	8516	27.4		8	1-				.54				1 1 1
MCMA	22	1552E	1600	1555	N23	E63	.886	8516	27.4		8D	-N		C	1555	.36	.70			EH
844	22	1600	1630	1610	N36	W38	.709	8506	19.8		30	1-				.29				1 1 1
LOCK	22	1600	1630	1610	N36	W38	.709	8506	19.8		30	-F		C	1610	.30	.30		10	H
845	22	1619	1649	1631	N03	W42	.669	8505	19.5		30	1-				.30				2 2 2
LOCK	22	1615	1700	1630	N02	W43	.684	8505	19.5		45	-F		C	1630	.40	.60		10	
HUAN	22	1623	1638	1632	N03	W40	.643	8505	19.7		15	-F	2	C	1632	.21	.23			D
846	22	1653	1706	1657	N24	E60	.864	8516	27.2		13	1-				.69				2 2 2
LOCK	22	1651	1707	1656	N25	E58	.849	8516	27.1		16	-F		C	1656	.60	1.10		10	
MCMA	22	1655	1705	1657	N23	E61	.871	8516	27.3		10	-N		C	1657	.52	1.00			E
847	22	1734	1756	1742	N09	W42	.664	8505	19.6		22	1-				.80				3 3 3
SACP	22	1728	1807	1743	N10	W42	.664	8505	19.6		39	-F		C		1.11	1.26			
LOCK	22	1735	1755	1741	N11	W41	.651	8505	19.7		20	-N		C	1741	.80	1.00		10	H
MCMA	22	1740	1747	1742	N05	W43	.679	8505	19.5		7	-N		C	1742	.41	.60			EH

SOLAR FLARES

REVISED

SEPTEMBER 1966

OBSERV-ATORY	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 SEPT																		
848	22	1802	1822	1817	N18	W79	.976	8511	16.8	20	1-				.26				1 1 1
LOCK	22	1802	1822	1817	N18	W79	.976	8511	16.8	20	-F		C	1817	.30	.90		10	
849	22	2126	2207	2136	N26	E60	.866	8516	27.4	41	1-				.43				1 1 1
HALE	22	2126	2207D	2136	N26	E60	.866	8516	27.4	41D	-N	1	P	2136	.36	.70			
850	22	2156	2210	2200	N23	E58	.847	8516	27.3	14	1-				.50				2 2 2
LOCK	22	2156	2210	2200	N23	E58	.847	8516	27.3	14	-N		C	2200	.50	.90		20	
HALE	22	2158E	2207D	2159	N23	E57	.838	8516	27.2	9D	-N	1	P	2159	.41	.80			
851	22	2237	2249	2244	N19	W80	.979	8511	16.9	12	1-				.26				1 1 1
LOCK	22	2237	2249	2244	N19	W80	.979	8511	16.9	12	-F		C	2244	.30	.90		10	
852	22	2250	2327	2259	N09	W49	.749	8505	19.3	37	1-				.69				3 2 2
LOCK	22	2247	2312	2255	N10	W48	.738	8505	19.3	25	-N		C	2255	.80	1.20		20	
VORO	22	2253	2342	2300	N08	W50	.761	8505	19.2	49	-N		C	2300	.72	1.09		50	EJ
HALE	22	2300E	2316D	2303	N09	W49	.749	8505	19.3	16D	-B	1	P	2303	.31	.50			
853	22	2337	2344	2340	N19	E56	.825	8516	27.2	7	1-				.29				1 1 1
LOCK	22	2337	2344	2340	N19	E56	.825	8516	27.2	7	-F		C	2340	.30	.50		10	
854	23	0010	0023	0023	N22	E45	.718	8516	26.4	13	1-				.61				1 1 1
LOCK	23	0010	0023D	0023	N22	E45	.718	8516	26.4	13D	-N		C	0023	.60	.90		10	
855	23	0031	0048	0041	N11	W47	.726	8505	19.5	17	1-				.54				2 2 2
SACP	23	0030	0050	0041	N11	W46	.714	8505	19.6	20	-F		C		.88	1.04			
CULG	23	0031	0046	0041	N10	W47	.726	8505	19.5	15	-N		C	0041	.31	.42			
856	23	0036	0050	0040	N24	E55	.822	8516	27.2	14	1-				.48				3 3 3
LOCK	23	0035	0051	0039	N24	E53	.803	8516	27.0	16	-N		C	0039	.50	.90		20	
VORO	23	0036	0049	0042	N24	E56	.831	8516	27.2	13	-N		C	0042	.63	1.12		53	EK
MANI	23	0037E	0049	0040	N23	E57	.838	8516	27.3	12D	-N			0040	.52	.89			
857	23	0321	0331	0325	N10	W47	.726	8505	19.6	10	1-				.56				1 1 1
CULG	23	0321E	0331D	0325	N10	W47	.726	8505	19.6	10D	-N		C	0325	.62	.84			L
858	23	0730	0810		N25	E54	.814	8516	27.4	40	1-								1 1 0
ISTA	23	0730E	0810D		N25	E54	.814	8516	27.4	40D	-								
859	23	1047	1103		N24	E51	.784	8516	27.3	16	1-				.46				1 1 1
BUCA	23	1047E	1103D		N24	E51	.784	8516	27.3	16D	-N		P	1047	.66	1.10			B
860	23	1418	1527	1421	N24	E50	.774	8516	27.3	69	1-				1.37				5 5 4
CAPS	23	1418	1500D		N25	E50	.777	8516	27.3	42D	-N	3		1435	1.00	1.60		160	
ATHN	23	1418	1507	1423	N24	E51	.784	8516	27.4	49	1N	2		1423	1.65	2.70	1.60		
SACP	23	1418	1530	1450	N25	E50	.777	8516	27.3	72	1F		C		1.70	2.15			
MEUD	23	1419	1445D		N22	E47	.739	8516	27.1	26D	-N								
MCMA	23	1419	1545	1421	N23	E50	.772	8516	27.3	86	-N		C	1421	.83	1.20			E
861	23	1451	1546	1505	N22	E27	.500	8514	25.6	55	1-				1.46				2 2 2
SACP	23	1444	1601	1507	N21	E27	.494	8514	25.6	77	1F		C		2.04	2.10			
MCMA	23	1457	1530	1503	N22	E26	.488	8514	25.6	33	-F		C	1503	.77	.90			E
862	23	1450	1510		N20	E20	.396	8514	25.1	20	1-				.42				1 1 1
MEUD	23	1450	1510D		N20	E20	.396	8514	25.1	20D	-F			1500	.52	.53			E
863	23	1551	1624	1600	N24	E50	.774	8516	27.4	33	1				1.80				7 7 7
SACP	23	1542	1601	1559	N25	E49	.767	8516	27.3	19	1F		P		2.46	3.11			
ATHN	23	1553E	1600D	1559	N23	E49	.762	8516	27.3	7D	1N	1		1559	2.97	4.60	1.75		
CAPS	23	1553	1600D		N25	E51	.786	8516	27.5	7D	-B	3		1556	.50	.80		200	
MCMA	23	1553	1640	1600	N23	E50	.772	8516	27.4	47	1B		C	1600	2.06	3.20			E
LOCK	23	1553	1630	1601	N23	E47	.742	8516	27.2	37	-N		C	1601	1.00	1.50		20	
UCCL	23	1554	1610D		N23	E50	.772	8516	27.4	16D	2N		P	1558	3.09	7.30			E
HUAN	23	1600E	1627D		N24	E51	.784	8516	27.5	27D	-N	1	P	1602	1.06	1.31			E
864	23	1725	1810	1740	N24	E50	.774	8516	27.5	45	1				1.30				2 2 2
LOCK	23	1725	1800	1740	N25	E50	.777	8516	27.5	35	-F		C	1740	.40	.60		10	
MCMA	23	1735E	1820D		N23	E50	.772	8516	27.5	45D	1B		C	1800	1.55	2.40			F
865	23	1730	1750	1750	N23	E34	.593	8516	26.3	20	1-				.50				1 1 1
LOCK	23	1730	1750D	1750	N23	E34	.593	8516	26.3	20D	-N		C	1750	.50	.70		10	
866	23	1814	1840	1820	N19	W57	.835	8506	19.5	26	1-				.71				1 1 1
LOCK	23	1814	1840	1820	N19	W57	.835	8506	19.5	26	-F		C	1820	.70	1.30		10	
867	23	1818	1834	1820	N24	E48	.754	8516	27.4	16	1-				.97				2 2 2
LOCK	23	1817	1838	1820	N23	E47	.742	8516	27.3	21	-B		C	1820	1.00	1.50		30	
HUAN	23	1818	1830	1820	N24	E48	.754	8516	27.4	12	-B	2	C	1820	1.05	1.30			
868	23	1855	2010	1910	N27	E16	.424	8514	25.0	75	1-				1.05				1 1 1
LOCK	23	1855	2010	1910	N27	E16	.424	8514	25.0	75	-F		C	1910	1.00	1.10		10	L
869	23	1919	1945	1925	N24	E32	.574	8516	26.2	26	1-				.61				1 1 1
LOCK	23	1919	1945	1925	N24	E32	.574	8516	26.2	26	-F		C	1925	.60	.70		10	
870	23	2015	2035	2022	N23	E33	.581	8516	26.3	20	1-				.50				1 1 1
LOCK	23	2015	2035	2022	N23	E33	.581	8516	26.3	20	-N		C	2022	.50	.60		20	
871	23	2140	2205	2149	N22	E42	.684	8516	27.1	25	1-				.71				1 1 1
LOCK	23	2140	2205	2149	N22	E42	.684	8516	27.1	25	-N		C	2149	.70	1.00		10	
872	23	2200	2220	2204	N26	E31	.575	8516	26.2	20	1-				.29				1 1 1
LOCK	23	2200	2220	2204	N26	E31	.575	8516	26.2	20	-F		C	2204	.30	.40		10	
873	23	2351	0100	0002	N26	E14	.394	8514	25.0	69	1+				4.20				1 1 1
LOCK	23	2351	0100	0002	N26	E14	.394	8514	25.0	69	1N		C	0002	3.50	3.90		20	L
874	23	2355	0011	0001	N21	W50	.769	8506	20.2	16	1-				.40				1 1 1
LOCK	23	2355	0011	0001	N21	W50	.769	8506	20.2	16	-N		C	0001	.40	.60		20	H

SOLAR FLARES

REVISED
SEPTEMBER 1966

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	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 SEP																		
875	24	0210	0224	0215	N22	E41	.672	8516	27.2	14	1-				1.10				2 2 2
KODA	24	0210	0222	0214	N21	E37	.621	8516	26.9	12	-N		V	0215	1.38	1.80	1.76		D
MANI	24	0210	0225	0215	N23	E44	.709	8516	27.4	15	-B			0215	1.03	1.45			
876	24	0617	0623		N04	W58	.846	8505	19.9	6	1-				.12				1 1 1
MANI	24	0617E	0623		N04	W58	.846	8505	19.9	6D	-F			0617	.15	.27			
877	24	0747	0838	0810	N24	E43	.701	8516	27.5	51	1-				.67				2 2 1
ISTA	24	0725E	0855		N23	E48	.752	8516	27.9	90D	-								
ATHN	24	0808	0820	0810	N24	E38	.645	8516	27.2	12	-N	3		0810	.66	.90	1.50		
878	24	1036	1043	1038	N20	W38	.630	8509	21.6	7	1-				.33				2 2 2
MEUD	24	1036	1042	1038	N19	W38	.627	8509	21.6	6	-F			1038	.26	.30			
BUCA	24	1037E	1044D		N20	W38	.630	8509	21.6	7D	-N		P	1038	.66	.80			
879	24	1049	1107		N21	W38	.633	8509	21.6	18	1-				.56				2 2 2
BUCA	24	1049E	1105D		N23	W38	.641	8509	21.6	16D	-N		C	1058	.99	1.30			
MEUD	24	1049	1107		N19	W38	.627	8509	21.6	18	-F			1058	.52	.60			E
880	24	1405	1415	1405	N25	E35	.615	8516	27.2	10	1-				.78				3 1 1
ATHN	24	1358	1410D	1400	N22	E36	.613	8516	27.3	12D	-B	2		1400	.76	1.00	1.40		
CAPS	24	1409	1414		N28	E34	.621	8516	27.1	5	-F	3							D
MEUD	24	1409	1415	1409	N24	E36	.622	8516	27.3	6	-F			1409	.15	.20			D
881	24	1413	1428	1414	N19	W56	.825	8506	20.4	15	1-				.29				2 2 2
HUAN	24	1412	1435		N19	W57	.835	8506	20.3	23	-F	1	P	1416	.50	.67			E
MEUD	24	1413	1420	1414	N18	W54	.806	8506	20.5	7	-F			1414	.21	.30			
882	24	1814	1834	1818	N18	W58	.843	8506	20.4	20	1-				.76				1 1 1
MCMA	24	1814	1834	1818	N18	W58	.843	8506	20.4	20	-N		C	1818	.52	1.00			E
883	24	1909	1929	1911	N28	W42	.706	8509	21.6	20	1-				.43				2 2 2
HALE	24	1908	1940	1911	N28	W41	.695	8509	21.7	32	-N	1	C	1911	.41	.60			T
MCMA	24	1909	1917	1910	N28	W42	.706	8509	21.6	8	-N		C	1910	.26	.40			D
884	24	1920	1925	1921	N25	E30	.557	8516	27.1	5	1-				.31				1 1 1
HALE	24	1920	1925	1921	N25	E30	.557	8516	27.1	5	-N	1	C	1921	.26	.30			T
885	24	2354	0100	2357	N27	E12	.391	8514	25.9	66	1-				1.49				1 1 1
HALE	24	2354	0100D	2357	N27	E12	.391	8514	25.9	66D	-N	1	P	2357	1.24	1.30			TE
886	24	2356	0007	0000	N20	W51	.778	8509	21.2	11	1-				.22				2 2 2
CULG	24	2355	0009	0001	N20	W51	.778	8509	21.2	14	-N		C	0001	.21	.32			
HALE	24	2357	0004	2358	N20	W50	.767	8509	21.2	7	-F	1	C	2358	.21	.30			T
887	25	0053	0104	0058	N17	W64	.892	8506	20.2	11	1-				.28				1 1 1
CULG	25	0053	0104	0058	N17	W64	.892	8506	20.2	11	-N		C	0058	.31	.60			
888	25	0352	0414	0358	N19	E27	.483	8516	27.2	22	1-				1.49				1 1 1
HALE	25	0352	0414D	0358	N19	E27	.483	8516	27.2	22D	-N	1	P	0358	1.24	1.40			F
889	25	0543	0547	0544	N22	E27	.501	8516	27.3	4	1-				.17				1 1 1
ATHN	25	0543E	0547	0544	N22	E27	.501	8516	27.3	4D	-N	2		0544	.17	.40	1.50		
890	25	0628	0634	0630	N21	E28	.507	8516	27.4	6	1-				.68				1 1 1
ATHN	25	0628	0634	0630	N21	E28	.507	8516	27.4	6	-N	2		0630	.66	.80	1.50		
891	25	0955	1036	1005	N23	E24	.471	8516	27.2	41	1-				.77				5 5 5
KAND	25	0945	1050D		N23	E25	.483	8516	27.3	65D	-N			1031	.87	.90			
BUCA	25	0955E	1048D		N22	E21	.426	8516	27.0	53D	-N		C	0959	.83	.90			E
ARCE	25	0959	1020D	1005	N25	E25	.499	8516	27.3	21D	-F		C	1005	1.21	1.40			C
ATHN	25	1002	1022	1005	N22	E26	.488	8516	27.4	20	-N	1		1005	.72	.80	1.60		
CAPS	25	1005E	1024		N21	E23	.443	8516	27.1	19D	-N	3		1005	.60	.70		165	E
892	25	1021	1053		N11	W84	.992	8505	19.1	32	1-				.41				2 1 1
BUCA	25	1013E	1102D		N11	W78	.974	8505	19.6	49D	1N		C	1023	.58				
KAND	25	1028	1044		N10	W90	1.000	8505	18.7	16									
893	25	1105	1129	1107	N21	W52	.789	8509	21.6	24	1-				.31				2 2 2
BUCA	25	1103E	1144D		N22	W52	.791	8509	21.6	41D	-B		C	1106	.58	.90			
MEUD	25	1106	1114	1107	N19	W52	.787	8509	21.6	8	-F			1107	.26	.40			
894	25	1144	1210	1210	N11	W79	.978	8505	19.6	26	1-				.23				1 1 1
BUCA	25	1144E	1210D	1210	N11	W79	.978	8505	19.6	26D	-N		P	1210	.33				
895	25	1634	1639	1636	N10	W90	1.000	8505	18.9	5	1				.17				1 1 1
HUAN	25	1634	1639	1636	N10	W90	1.000	8505	18.9	5	-N	2	C	1636	.25				D
896	25	2350	0124	0001	N26	E15	.404	8516	27.1	94	1				2.44				1 1 1
CULG	25	2350	0124D	0001	N26	E15	.404	8516	27.1	94D	1N		P	0001	2.58	2.75			L
897	26	0346	0354	0348	N21	E18	.381	8516	27.5	8	1-				.28				1 1 1
CULG	26	0346	0354	0348	N21	E18	.381	8516	27.5	8	-N		C	0348	.31	.33			
898	26	0428	0439	0432	N10	W70	.935	8505	20.9	11	1-				.37				1 1 1
CULG	26	0428	0439	0432	N10	W70	.935	8505	20.9	11	-N		C	0432	.41				
899	26	0557	0655	0602	N19	E30	.523	8516	28.5	58	1-				.47				1 1 1
CULG	26	0557	0655	0602	N19	E30	.523	8516	28.5	58	-N		C	0602	.52	.57			L
900	26	0635	0659	0640	N22	E13	.336	8516	27.2	24	1-				1.52				1 1 1
ATHN	26	0635E	0659	0640	N22	E13	.336	8516	27.2	24D	-N	2		0640	1.32	1.40	1.60		
901	26	0810	0825		N21	E11	.303	8516	27.2	15	1-				1.11				1 1 1
ARCE	26	0810E	0825D		N21	E11	.303	8516	27.2	15D	-N		C	0820	1.02	1.10			
902	26	0825	0825		N09	W90	1.000	8505	19.6		1				.23				1 1 1
ARCE	26	0825E	0825D		N09	W90	1.000	8505	19.6		-N		C	0825	.23				

SOLAR FLARES

REVISED
SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT DATE 1966 SEPT	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
903	26	0947	0952		N05	W90	1.000	8505	19.7	5	1-				.15				3 3 1
CAPS	26	0947E	0952D		N05	W90	1.000	8505	19.7	5D	-N	3		0949				182	D
ISTA	26	0949E	0952		N05	W90	1.000	8505	19.7	3D	-								
ARCE	26	0950E	0950D		N05	W90	1.000	8505	19.7		-N		C	0950	.15				
904	26	0958	1020		N13	E10	.200	8516	27.2	22	1				3.06				1 1 1
MONT	26	0958	1020		N13	E10	.200	8516	27.2	22	1N		C		3.05	3.00			
905	26	1013	1152	1025	N22	E10	.307	8516	27.2	99	1-				1.22				4 3 2
ISTA	26	1009	1018D		N25	E11	.357	8516	27.2	9D	1								
BUCA	26	1012E	1152D		N20	E09	.271	8516	27.1	100D	-B		C	1013	.99	1.00			E
UCCL	26	1015E	1018D		N19	E08	.248	8516	27.0	3D			P						D
ATHN	26	1016	1040D	1025	N22	E11	.316	8516	27.3	24D	-B	2		1025	1.49	1.60	2.00		
906	26	1100	1156	1134	N21	W86	.994	8509	20.0	56	1-				.12				1 1 1
BUCA	26	1100E	1156D	1134	N21	W86	.994	8509	20.0	56D	-N		C	1134	.17	.20			D
907	26	1249	1312		N20	W85	.992	8509	20.2	23	1				.17				1 1 1
HUAN	26	1249E	1312		N20	W85	.992	8509	20.2	23D	-N	2	P	1255	.25				D
908	26	1520	1531	1523	N22	W83	.988	8509	20.4	11	1-				.50				2 2 2
ATHN	26	1520	1526	1522	N22	W80	.979	8509	20.6	6	-N	1		1522	.75		1.50		
HUAN	26	1520	1535	1524	N21	W85	.992	8509	20.3	15	-N	2	C	1524	.25				D
909	26	1601	1612	1638	N05	W89	1.000	8505	20.0	11	1-								2 2 0
MCMA	26	1635	1644	1638	N05	W88	.999	8505	20.1	9	-B		C	1638					D
CAPS	26	1527E	1540		N05	W90	1.000	8505	19.9	13D	-N	3		1528				170	D
910	26	1634	1647	1638	N19	W85	.993	8509	20.3	13	1-				.43				3 3 3
SACP	26	1632	1650	1640	N19	W84	.991	8509	20.4	18	-N		C		.60				
LOCK	26	1634	1646	1636	N18	W83	.988	8509	20.5	12	1N		C	1636	.60	2.00		20	
HUAN	26	1635	1645	1638	N20	W88	.997	8509	20.1	10	-B	2	C	1638	.37				D
911	26	1725	1820	1735	N23	W73	.949	8509	21.3	55	1				.97				1 1 1
LOCK	26	1725	1820	1735	N23	W73	.949	8509	21.3	55	1F		C	1735	1.00	2.70		10	L
912	26	1933	1957	1941	N19	W84	.991	8509	20.5	24	1-				.37				1 1 1
HALE	26	1933	1957	1941	N19	W84	.991	8509	20.5	24	-N	1	C	1941	.31				
913	27	0158	0203		N20	W00	.227	8516	27.1	5	1-				.25				1 1 1
HALE	27	0158E	0203		N20	W00	.227	8516	27.1	5D	-F	2	P	0158	.21	.22			
914	27	0700	0909		N22	W90	.999	8509	20.5	129	1-								2 1 0
KAND	27	0700E	0852		N22	W90	.999	8509	20.5	112D									
ISTA	27	0715E	0925		N21	W90	.999	8509	20.6	130D	-								
915	27	0925	0941	0927	N21	W02	.246	8516	27.2	16	1-				.47				4 3 3
BUCA	27	0922E	0947D	0925	N21	W04	.252	8516	27.1	25D	-B		C	0925	.50	.50			
CATA	27	0925E	0940D	0926	N21	W02	.246	8516	27.2	15D	-N			0926	.31	.32		164	
ATHN	27	0926	0935	0930	N19	W01	.210	8516	27.3	9	-N	3		0930	.66	.70	1.50		
KAND	27	0928	0940		N22	E01	.261	8516	27.5	12	-N								
916	27	1024	1036	1030	N21	W02	.246	8516	27.3	12	1-				.82				3 3 3
BUCA	27	1018E	1041D	1033	N21	W04	.252	8516	27.1	23D	-B		C	1033	.39	.40			
MEUD	27	1027	1032	1028	N21	W04	.252	8516	27.1	5	-N			1028	.52	.53			
ATHN	27	1027	1035	1030	N21	E01	.244	8516	27.5	8	-N	2		1030	1.49	1.50	1.50		
917	27	1409	1428		N19	W90	.999	8509	20.8	19	1				.17				1 1 1
HUAN	27	1409	1428		N19	W90	.999	8509	20.8	19	-F	2	C	1419	.25				D
918	27	1639	1647		N29	W32	.607	8514	25.3	8	1-				.25				1 1 1
HALE	27	1639E	1647D		N29	W32	.607	8514	25.3	8D	-N	3	P	1639	.21	.32			
919	27	1717	1733		N20	W90	.999	8509	21.0	16	1								1 1 0
HUAN	27	1717E	1733D		N20	W90	.999	8509	21.0	16D	-N	2	S						D
920	27	1836	1900	1841	N23	W11	.330	8516	27.0	24	1-				.40				1 1 1
LOCK	27	1836	1900	1841	N23	W11	.330	8516	26.9	24	-F		C	1841	.40	.40		10	
	27	2215	2230	NO FLARE PATROL															
	28	0325	0330	NO FLARE PATROL															
921	28	0740	0830		S18	E90	1.001	8527	5.1	50	1-								1 1 0
ISTA	28	0740E	0830D		S18	E90	1.001	8527	5.1	50D	1F								
922	28	0830	0855	0835	N26	W14	.396	8516	27.3	25	1-				.27				1 1 1
BUCA	28	0830E	0855D	0835	N26	W14	.396	8516	27.3	25D	-F		C	0835	.39	.40			
923	28	0902	0945		N25	W90	.999	8509	21.6	43	1-								2 1 0
ISTA	28	0858	0945D		N25	W90	.999	8509	21.6	47D	-F								
KAND	28	0906	0930D		N25	W90	.999	8509	21.6	24D									
924	28	0925	0950	0929	N26	W13	.388	8516	27.4	25	1-				.46				2 2 1
ISTA	28	0925	0945D		N26	W11	.372	8516	27.6	20D	-F								
BUCA	28	0926E	0950D	0929	N25	W14	.383	8516	27.3	24D	-N		C	0929	.66	.70			
925	28	1702	1811	1706	N26	W34	.610	8516	26.2	69	1-				.68				1 1 1
HALE	28	1702	1811	1706	N26	W34	.610	8516	26.2	69	-F	1	C	1706	.57	.70			TF
	28	1840	1845	NO FLARE PATROL															
926	28	2025	2035	2028	N22	W22	.439	8516	27.2	10	1-				.61				1 1 1
LOCK	28	2025	2035	2028	N22	W22	.439	8516	27.2	10	-F		C	2028	.60	.70		10	
	29	0315	0320	NO FLARE PATROL															
927	29	0710	0715		N27	W27	.539	8516	27.3	5	1-								1 1 0
ISTA	29	0710E	0715		N27	W27	.539	8516	27.3	5D	-								

SOLAR FLARES

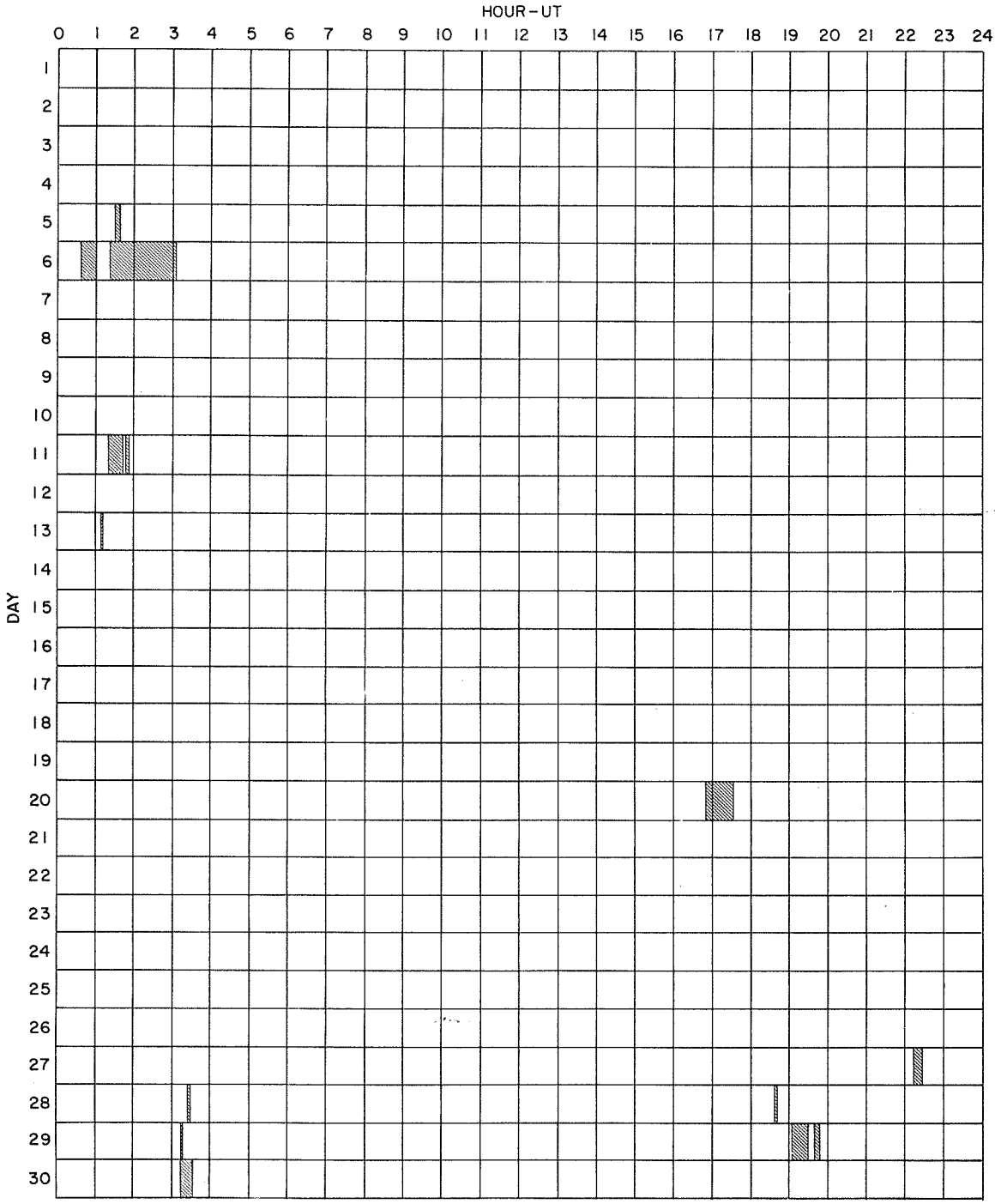
REVISED

SEPTEMBER 1966

OBSERV-ATORY	OBSERVED UT DATE 1966 SEP!	START	END	MAX. PHASE	LOCATION APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
928	29	0823	0937	0906	N24	W29	.540	8516	27.2	74	1				1.88				3 3 2
KAND	29	0823	0935		N24	W28	.528	8516	27.2	72	-F							200	
BUCA	29	0838E	0955D	0905	N25	W30	.558	8516	27.1	77D	1B		C	0905	1.97	2.30			
ATHN	29	0903E	0921	0906	N23	W28	.521	8516	27.3	18D	1F	2		0906	1.98	2.20	1.30		
929	29	1039	1133	1013	N26	W30	.565	8516	27.2	54	1-				.23				2 1 1
BUCA	29	1005E	1123D	1013	N24	W29	.540	8516	27.2	78D	-N		P	1013	.33	.40			
HUAN	29	1113	1133		N28	W31	.590	8516	27.1	20	-F	1	C	1117	.31	.33			D
930	29	1140	1204	1142	N25	W27	.524	8516	27.5	24	1-				1.86				2 1 1
ATHN	29	1140E	1201	1142	N26	W25	.509	8516	27.6	21D	-N	2		1142	1.65	1.80	1.40		
KAND	29	1143E	1206		N24	W28	.528	8516	27.4	23D	-F								
931	29	1229	1241	1230	N24	W25	.492	8516	27.6	12	1-				.87				1 1 1
ATHN	29	1229E	1241D	1230	N24	W25	.492	8516	27.6	12D	-N	2		1230	.83	.90	1.70		
932	29	1335	1430		S17	W16	.479	8522	28.4	55	1-				.45				1 1 1
HUAN	29	1335	1430D		S17	W16	.479	8522	28.4	55D	-F	1	C	1346	.50	.51			E
933	29	1645	1737	1651	S17	W17	.487	8522	28.4	52	1-				.55				1 1 1
HALE	29	1645	1737	1651	S17	W17	.487	8522	28.4	52	-N	1	C	1651	.46	.50			TF
	29	1905	1930	NO FLARE PATROL															
	29	1940	1950	NO FLARE PATROL															
934	29	1953	2035	2014	N26	W37	.644	8516	27.1	42	1-				.99				3 2 2
HALE	29	1953E	2040	2012U	N26	W36	.633	8516	27.1	47D	-N	1	C	2012	.36	.50			TF
SACP	29	2013E	2025D	2015U	N25	W37	.639	8516	27.1	12D	-F		P		1.72	1.91			
MCMA	29	2021E	2029		N26	W37	.644	8516	27.1	8D	-N		C	2022	.62	.80			E
935	29	2238	2258	2239	N28	W36	.644	8516	27.2	20	1-				.25				1 1 1
HALE	29	2238	2258U	2239	N28	W36	.644	8516	27.2	20U	-N	1	C	2239	.21	.30			T
936	29	2310	2313		N25	W37	.639	8516	27.2	3	1-				.28				1 1 1
IKOM	29	2310E	2313D		N25	W37	.639	8516	27.2	3D	-F		V	2310	.83	1.10			D
937	30	0045	0130		N22	W37	.626	8516	27.3	45	1-				.19				1 1 1
IKOM	30	0045E	0130		N22	W37	.626	8516	27.3	45D	-F		V	0045	.62	.80			D
938	30	0244	0345	0254	N25	W38	.651	8516	27.3	61	1-				.78				2 2 2
MITK	30	0239	0345	0256	N25	W38	.651	8516	27.3	66	-F		C	0256	1.13	1.50			E
VORO	30	0248	0314D	0252	N24	W38	.647	8516	27.3	26D	-N		P	0252	.99	1.27		50	EH
	30	0315	0335	NO FLARE PATROL															
939	30	0705	0820		N31	E46	.758	8526	3.7	75	1-								1 1 0
ISTA	30	0705E	0820		N31	E46	.758	8526	3.7	75D	-F								
940	30	1047	1121	1054	N26	W34	.611	8516	27.9	34	1-				.16				1 1 1
BUCA	30	1047E	1121D	1054	N26	W34	.611	8516	27.9	34D	-N		C	1054	.23	.30			
941	30	1203	1209		N29	E37	.661	8526	3.3	6	1-				.16				1 1 1
BUCA	30	1203E	1209D		N29	E37	.661	8526	3.3	6D	-F		C	1203	.23	.30			G
942	30	1633	1648		S18	W05	.427	8529	30.3	15	1-				.48				2 2 2
MCMA	30	1625E	1645D		S18	W05	.427	8529	30.3	20D	-N		C	1642	.52	.60			EJ
HUAN	30	1640	1648		S18	W05	.427	8529	30.3	8	-F	1	C	1643	.25	.25			D
943	30	1953	2005		S18	W06	.430	8529	30.4	12	1-				.19				1 1 1
HUAN	30	1953E	2005D		S18	W06	.430	8529	30.4	12D	-F	1	P	1955	.21	.21			D
944	30	2053	2106	2058	S16	W36	.673	8522	28.2	13	1-				.49				2 2 2
LOCK	30	2053	2106	2058	S16	W36	.673	8522	28.2	13	-N		C	2058	.60	.80		10	
HALE	30	2056E	2101D	2057	S15	W36	.667	8522	28.2	5D	-N	1	P	2057	.31	.40			
945	30	2116	2130	2120	S18	W10	.449	8529	30.1	14	1-				.61				1 1 1
LOCK	30	2116	2130	2120	S18	W10	.449	8529	30.1	14	-N		C	2120	.60	.70		20	J
946	30	2252	2308	2255	S18	W09	.443	8529	30.3	16	1-				.71				2 1 1
LOCK	30	2247	2305	2255	S18	W10	.449	8529	30.2	18	-N		C	2255	.70	.80		20	
IKOM	30	2257	2310		S17	W07	.419	8529	30.4	13	-N		V	2257	.72	.80			DO
947	30	2310	0000	2320	N25	W49	.768	8516	27.3	50	1-				.42				2 2 2
LOCK	30	2310	0000	2320	N24	W50	.776	8516	27.2	50	-N		C	2320	.70	1.10		10	
IKOM	30	2315E	2345D		N25	W48	.758	8516	27.4	30D	-F		V	2315	.41	.60		80	D
948	30	2347	2348		N21	W33	.573	8525	28.5	1	1-				.47				1 1 1
MANI	30	2347E	2348D		N21	W33	.573	8525	28.5	1D	-F			2347	.52	.83			
949	30	2359	0020	0009	S16	W36	.673	8522	28.3	21	1-				.29				1 1 1
LOCK	30	2359	0020	0009	S16	W36	.673	8522	28.3	21	-F		C	0009	.30	.40		10	

INTERVALS OF NO FLARE PATROL OBSERVATIONS

SEPTEMBER 1966



Observatories included:

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

Table of Contents
for Miscellaneous Data

For explanations of the data contained herein see "Descriptive Text" published in February 1967.

SOLAR RADIATION MONITORING SATELLITE
X-RAY

MAY 1966

ESSA, Boulder

FLUX MEASUREMENTS					
Date 1966	Times of Observation	0-3 A ($\times 10^{-5}$)	0-8 A ($\times 10^{-4}$)	8-20 A ($\times 10^{-3}$)	44-60 A ($\times 10^{-2}$)
1 May	2240-2255	---	1.27	2.7	---
2-3 May	2354-0009	---	1.44	2.74	8.95
3 May	2324-2340	---	2.0	3.05	9.9
4 May	2254-2310	---	1.28	2.81	9.5
5 May	2043-2055	---	1.7	2.58	8.74
	2224-2241	---	2.0	3.05	9.55
6 May	2154-2210	---	1.19	1.98	8.15
7 May	2125-2141	---	0.965	2.08	8.67
8 May	2240-2255	---	1.0	2.37	9.15
9 May	2210-2225	---	1.66	2.82	9.55
10 May	2140-2155	---	1.0	2.58	8.74
11 May	2111-2126	14.0	>16.6	>10.1	>18.7
12 May	2040-2056	---	2.66	4.0	10.4
	2226-2240	---	1.19	3.0	9.87
13 May	2010-2026	---	2.0	4.0	10.8
14 May	1941-1956	---	1.33	2.82	9.96
15 May	1911-1926	---	1.28	3.27	10.3
16 May	2026-2041	---	2.66	4.9	12.0
17 May	1956-2011	---	2.33	4.0	11.2
18 May	1926-1942	---	1.67	3.76	11.1
19 May	1856-1912	---	4.0	7.5	15.0
20 May	1826-1842	---	4.8	8.8	15.5
21 May	1757-1812	---	>3.5	9.14	15.7
22 May	1727-1743	---	3.84	7.71	14.8
23 May	1657-1713	---	3.84	7.25	14.0
24 May	1627-1643	1.0	8.65	12.4	16.6
	1742-1758	1.34	6.32	8.45	15.0
25 May	1558-1613	3.0	9.3	>10.6	17.0
26 May	1528-1543	---	2.56	5.6	12.7
27 May	1642-1658	---	2.66	5.64	12.1
28 May	1613-1628	>15.7	>14.2	>10.7	>18.7
29 May	1543-1558	---	2.24	4.2	11.1
30 May	1659-1713	---	2.24	3.27	10.3
31 May	1444-1459	---	2.12	4.16	11.8

SOLAR RADIATION MONITORING SATELLITE
X-RAY

JUNE, JULY 1966

ESSA, Boulder

FLUX MEASUREMENTS					
Date 1966	Times of Observation	0-3 A ($\times 10^{-5}$)	0-8 A ($\times 10^{-4}$)	8-20 A ($\times 10^{-3}$)	44-60 A ($\times 10^{-2}$)
1 Jun	1413-1429	---	2.56	4.45	11.5
2 Jun	1528-1543	---	1.92	3.98	11.1
3 Jun	1458-1519	---	1.97	3.28	10.3
4 Jun	1428-1444	---	1.97	3.51	10.7
5 Jun	1358-1414	---	1.12	2.81	10.3
6 Jun	2033-2049	---	1.76	3.62	10.6
7 Jun	2147-2204	---	1.83	3.52	10.4
8 Jun	1414-1429	---	1.28	3.04	10.3
9 Jun	1344-1359	---	1.7	3.3	10.6
10 Jun	1314-1329	---	1.2	2.74	10.3
12 Jun	1733-1748	---	.946	2.33	9.34
14 Jun	1818-1834	---	1.15	2.51	9.38
16 Jun	1719-1734	---	1.33	3.05	10.0
18 Jun	1803-1820	---	1.0	2.8	9.56
20 Jun	1704-1720	---	1.06	2.38	9.35
22 Jun	1604-1620	---	1.33	2.82	9.55
24 Jun	1649-1705	---	2.39	4.72	11.6
26 Jun	1549-1606	1.47	10.8	12.2	16.1
28 Jun	1450-1506	---	2.39	4.71	10.7
30 Jun	1534-1550	---	2.87	5.5	12.2
2 Jul	1434-1451	---	4.0	4.93	11.4
4 Jul	1520-1533	---	3.6	4.96	11.2
6 Jul	1235-1251	1.7	9.8	12.6	16.0
	1420-1434	2.67	15.6	20.7	---
7 Jul	1205-1221	1.7	12.3	16.0	19.0
	1350-1405	1.3	11.3	13.5	---
8 Jul	1135-1151	---	7.05	8.05	15.3
	1320-1336	10.3	>16.6	>40.4	18.7
9 Jul	1106-1121	---	13.4	22.3	---
	1250-1305	1.8	14.6	19.1	---
10 Jul	1035-1051	1.0	7.3	11.7	---
	1220-1236	7.53	36.6	40.2	18.6

SOLAR RADIATION MONITORING SATELLITE
X-RAY

JULY 1966

ESSA, Boulder

FLUX MEASUREMENTS					
Date 1966	Times of Observation	0-3 A ($\times 10^{-5}$)	0-8 A ($\times 10^{-4}$)	8-20 A ($\times 10^{-3}$)	44-60 A ($\times 10^{-2}$)
11 Jul	1150-1206	00.82	9.75	17.9	---
	1336-1347	---	7.3	12.5	---
13 Jul	1235-1249	---	1.92	4.68	12.4
14 Jul	1205-1219	---	1.67	4.1	12.6
15 Jul	1135-1150	---	3.18	5.22	13.3
16 Jul	1105-1120	---	0.734	3.66	11.5
17 Jul	1035-1051	---	2.94	3.66	11.0
18 Jul	0118-0133	---	1.17	2.97	10.2
19 Jul	0047-0100	---	1.2	2.98	10.3
20 Jul	0018-0032	---	9.99	2.82	10.0
20-21 Jul	2348-0002	---	1.9	3.66	11.5
21 Jul	2324-2332	---	3.76	5.48	11.7
22 Jul	0437-0447	---	1.6	3.74	11.6
	2249-2309	---	3.52	7.31	14.5
23 Jul	0032-0047	---	2.5	6.1	13.7
	0219-0231	---	3.84	6.55	13.6
	2220-2232	---	4.0	7.75	15.4
24 Jul	0003-0017	---	7.31	10.6	17.8
	0149-0201	2.32	12.5	16.8	---
	2150-2201	---	3.04	7.7	16.1
	2332-2347	---	5.69	9.04	17.0
25 Jul	0118-0131	---	3.52	7.95	16.1
	2302-2316	---	4.33	9.15	17.1
26 Jul	0048-0101	2.01	11.0	10.6	18.7
	0235-0246	---	4.5	8.7	17.1
	2232-2247	---	4.1	9.25	17.6
27 Jul	0018-0031	---	4.68	9.02	17.2
	0205-0211	---	4.62	8.2	16.7
28 Jul	2132-2146	---	3.12	8.69	18.0
	2317-2331	15.8	>113.0	>42.0	>>19.1
29 Jul	0104-0115	5.0	46.6	40.5	---
	0251-0302	3.18	29.4	34.2	---
	2103-2113	---	5.06	12.3	19.7
	2247-2301	---	5.06	11.4	19.3
30 Jul	0034-0045	---	2.81	9.9	17.8
	2033-2046	---	2.0	7.45	16.7
	2217-2231	---	2.08	7.2	16.3
31 Jul	0003-0015	1.1	>3.7	10.2	18.9
	2005-2016	---	1.68	6.5	15.3

SOLAR RADIATION MONITORING SATELLITE
X-RAY

AUGUST 1966

ESSA, Boulder

Date 1966	Times of Observation	FLUX MEASUREMENTS 0-3A ($\times 10^{-5}$)	0-8A ($\times 10^{-4}$)	8-20A ($\times 10^{-3}$)	44-60A ($\times 10^{-2}$)
1 Aug	1935-1945	---	3.1	8.1	17.0
	2116-2131	---	2.6	7.1	16.0
	2302-2315	---	2.6	7.1	16.0
2 Aug	2046-2101	---	2.2	6.5	15.0
	2236-2245	---	1.3	5.7	15.0
3 Aug	0020-0031	---	1.5	5.7	14.0
	2017-2031	---	3.6	10.0	18.0
	2202-2215	---	2.8	7.5	17.0
	2349-2400	---	2.8	6.5	17.0
4 Aug	1947-2001	---	1.4	5.7	14.0
	2132-2145	---	5.4	7.4	16.0
	2318-2330	---	2.0	5.4	14.0
5 Aug	2101-2115	---	2.3	6.0	14.0
	2249-2300	---	2.0	5.5	14.0
6 Aug	1847-1901	---	2.4	5.8	14.0
	2033-2045	---	1.9	5.8	14.0
	2218-2230	.74	8.4	11.0	19.0
7 Aug	1818-1831	---	1.6	4.9	14.0
	2001-2015	---	1.6	4.7	13.0
	2148-2200	---	1.4	4.6	13.0
8 Aug	1748-1800	---	2.1	5.4	14.0
	1932-1946	---	1.7	5.0	13.0
	2118-2130	---	1.7	4.6	13.0
9 Aug	1720-1730	---	2.9	6.0	14.0
	1901-1916	---	1.4	4.4	12.0
	2048-2100	---	4.2	7.2	15.0
10 Aug	1831-1846	---	1.52	4.16	11.6
	2017-2030	---	1.14	3.7	11.2
	2204-2215	---	1.19	3.18	11.2
11 Aug	1621-1629	---	.96	2.6	9.9
	1801-1816	---	.71	2.4	9.7
	1947-2000	---	.84	2.5	9.6
	2134-2145	---	.98	2.9	9.5
	2321-2332	---	1.1	3.0	10.0
12 Aug	0105-0120	---	.70	2.6	9.9
	1732-1746	---	.96	2.3	9.4
	1916-1930	---	.70	2.3	9.5
	2104-2114	---	.89	2.45	9.4
13 Aug	1702-1716	---	1.4	2.9	10.0
	1846-1858	---	0.69	2.9	9.2
	2034-2045	---	<.34	2.1	7.7
14 Aug	1632-1646	---	>1.1	>2.5	>8.1
	1816-1830	---	---	>2.2	>7.7
	2003-2015	---	---	>2.2	>7.7
15 Aug	1602-1615	---	.82	2.5	9.7
	1746-1800	---	.96	2.7	9.7
	1933-1945	---	.98	3.0	9.9
16 Aug	1533-1545	---	---	7.0	12.0
	1716-1730	---	---	7.0	11.4
	1902-1914	---	---	3.6	10.0

SOLAR RAIDIATION MONITORING SATALITE
X-RAY

AUGUST SEPTEMBER 1966

ESSA, Boulder

Date 1966	Times of Observation	FLUX MEASUREMENTS 0-3A ($\times 10^{-5}$)	0-8A ($\times 10^{-4}$)	8-20A ($\times 10^{-3}$)	44-60A ($\times 10^{-2}$)
18 Aug	1434-1444	---	---	9.0	14.0
	1616-1630	---	---	3.6	10.0
	1802-1814	---	---	3.6	9.0
19 Aug	1546-1600	---	1.1	3.5	12.5
	1919-1929	---	1.1	4.1	13.0
	1731-1744	---	1.1	3.5	13.0
20 Aug	1516-1530	---	2.26	4.55	12.9
	1701-1715	---	1.3	4.4	13.0
	1848-1859	6.2	13.0	10.0	17.0
21 Aug	1446-1500	.5	5.3	7.7	16.0
	1631-1641	---	3.0	6.1	15.0
	1818-1829	---	3.2	6.3	15.0
22 Aug	1416-1430	---	2.5	6.4	16.0
	1600-1614	---	2.8	6.4	17.0
	1748-1759	---	1.5	5.2	15.0
23 Aug	1530-1544	---	4.3	9.2	19.0
	1717-1729	---	3.7	8.5	18.0
	1904-1915	---	2.5	7.1	17.0
24 Aug	1500-1514	.69	8.9	12.0	21.0
	1647-1659	---	8.9	13.0	22.0
	2020-2032	---	>3.7	7.1	16.0
25 Aug	1430-1444	2.2	7.9	17.0	24.0
	1617-1629	---	2.7	8.4	17.0
	1950-2002	---	2.5	5.8	14.0
26 Aug	1400-1414	---	5.7	13.0	24.0
	1546-1559	---	6.5	13.0	24.0
	1733-1744	2.5	12.0	16.0	25.0
29 Aug	1749-1800	.66	7.8	12.5	18.6
	1934-1948	1.3	11.0	17.0	---
	2118-2134	6.4	>15.0	32.0	---
30 Aug	1904-1917	---	6.5	11.0	20.0
	2048-2104	---	5.1	10.0	20.0
	2233-2245	1.0	11.0	16.0	25.0
31 Aug	1834-1847	2.0	15.0	17.0	19.0
	2018-2023	3.7	30.0	19.0	---
	2024-2033	.37	6.3	12.0	---
	2203-2217	>.39	>6.4	>11.0	---
*2 Sept	1734-1746	---	---	---	50.0
	1918-1933	---	---	36.0	28.0
	2103-2117	---	---	9.1	15.0
3 Sept	1848-1903	---	2.3	6.0	12.0
	2033-2048	---	2.0	5.7	13.0
4 Sept	2002-2018	.52	6.5	9.8	19.0
	1634-1644	<.31	<.28	13.5	17.0
	1818-1833	---	4.4	9.1	15.0
6 Sept	1718-1732	---	---	4.3	13.0
	1902-1918	---	4.4	5.6	11.0
	2048-2059	---	3.6	4.9	13.0
8 Sept	1618-1631	3.3	11.0	7.7	14.0
	1802-1817	---	1.1	2.9	9.7
	1947-2001	---	4.4	4.8	13.0
12 Sept	1603-1617	0.67	9.0	1.4	19.0
	1747-1802	---	5.4	9.8	15.0
	1933-1941	---	5.1	8.1	14.0

SOLAR RADIATION MONITORING SATELLITE
X-RAY

SEPTEMBER OCTOBER NOVEMBER 1966

ESSA, Boulder

FLUX MEASUREMENTS					
Date 1966	Times of Observation	0-3A ($\times 10^{-5}$)	0-8A ($\times 10^{-4}$)	8-20A ($\times 10^{-3}$)	44-60A ($\times 10^{-2}$)
13 Sept	1532-1546	---	>3.7	3.7	12.0
	1717-1732	---	2.0	3.7	12.0
	1902-1913	---	2.0	4.0	11.0
14 Sept	1502-1515	---	---	5.0	13.0
	1648-1702	0.61	3.7	4.9	12.0
	1832-1843	3.1	12.0	11.0	18.0
15 Sept	1432-1445	---	---	8.7	13.0
	1616-1631	---	---	4.7	12.0
	1801-1814	---	1.9	4.7	12.0
16 Sept	1403-1414	---	---	>10.0	18.0
	1546-1601	---	5.1	10.4	17.0
	1731-1744	---	>5.7	14.0	20.0
17 Sept	1332-1344	---	11.7	25.5	27.0
	1516-1531	---	7.2	12.7	18.6
	1700-1714	---	3.9	7.9	15.0
*18 Sept	1302-1313	---	7.8	25.0	23.0
	1445-1500	---	---	34.0	>61.0
	1630-1644	---	38.0	52.0	---
		44-60A ($\times 10^{-2}$)	8-20A ($\times 10^{-3}$)	0-8A ($\times 10^{-4}$)	0-3A ($\times 10^{-5}$)
31 Oct	1815-1829	11.0	2.9	2.0	---
	1959-2013	12.0	3.3	4.1	---
1 Nov	1929-1943	12.0	3.1	2.2	---
	2116-2127	12.0	3.5	2.2	---
2 Nov	1715-1728	15.4	7.3	8.8	1.55
	1859-1913	11.0	3.9	1.5	---
	2046-2057	10.6	3.1	1.7	---
3 Nov	1645-1658	9.9	2.3	6.4	---
	1828-1842	9.9	2.3	9.6	---
	2015-2027	10.7	3.5	1.9	---
4 Nov	1616-1627	10.2	3.0	1.4	---
	1758-1812	10.2	3.0	1.1	---
	1944-1956	10.0	3.0	0.82	---
7 Nov	1637-1641	18.0	7.8	---	---
	1812-1826	24.0	22.0	23.0	4.2
	2000-2010	---	36.0	32.0	3.7
8 Nov	1557-1611	15.1	5.7	4.3	---
	1742-1757	15.6	6.8	8.7	---
	1929-1940	15.1	5.7	4.3	---
9 Nov	1711-1726	13.6	5.1	2.2	---
	1858-1909	13.6	5.1	2.2	---
	2046-2055	13.9	4.8	3.5	---
10 Nov	1641-1655	15.0	6.3	2.5	---
	1828-1839	15.0	7.5	3.3	---
	2015-2024	16.0	7.5	4.3	---
*14 Nov	1813-1823	18.0	12.0	4.0	---
*	2000-2010	18.0	14.0	5.0	---
*15 Nov	1555-1609	20.8	14.3	5.1	---
	1742-1753	17.1	10.2	2.5	---
	1929-1939	27.8	24.6	17.7	---
*16 Nov	1525-1539	18.0	10.0	5.0	---
	1712-1723	17.0	8.2	3.8	---
	2044-2056	16.0	10.0	3.8	---

SOLAR RADIATION MONITORING SATELLITE
X-RAY

NOVEMBER DECEMBER 1966

ESSA, Boulder

Date 1966	Times of Observation	FLUX MEASUREMENTS 0-3A ($\times 10^{-5}$)	0-8A ($\times 10^{-4}$)	8-20A ($\times 10^{-3}$)	44-60A ($\times 10^{-2}$)
*17 Nov	1643-1652	13.0	6.0	---	---
	1828-1838	13.0	6.0	2.5	---
	2014-2026	13.0	6.0	2.5	---
*18 Nov	1610-1622	13.0	---	2.5	---
	1758-1807	12.0	---	2.5	---
	1944-1955	12.0	---	2.5	---
*21 Nov	1626-1636	21.0	---	3.6	---
	1813-1823	26.0	---	6.6	---
	1957-2011	29.0	---	7.7	---
*22 Nov	1556-1606	25.0	---	4.6	---
	1742-1752	28.0	---	6.1	---
	1927-1940	45.0	---	20.0	4.4
*23 Nov	1525-1535	20.0	---	3.0	---
	1712-1722	20.0	---	3.0	---
	1857-1909	20.0	---	3.1	---
*25 Nov	1611-1620	18.0	---	1.5	---
	1756-1808	20.0	---	3.1	---
	1940-1955	20.0	---	3.1	---
*28 Nov	1626-1636	29.0	---	4.6	2.2
	1810-1823	31.0	---	12.0	4.4
	1955-2008	31.0	---	9.3	3.1
*29 Nov	1555-1606	14.0	8.1	---	---
	1740-1753	15.0	11.0	10.0	---
	1924-1938	12.0	5.4	---	---
*30 Nov	1525-1535	14.0	4.1	3.5	---
	1709-1722	17.0	11.0	3.0	---
	1854-1908	14.0	4.1	---	---
* 1 Dec	1823-1838	15.0	8.5	3.5	---
	2009-2019	15.0	6.8	1.2	---
2 Dec	1609-1621	14.0	4.5	2.0	---
	1753-1807	15.0	5.4	2.0	---
	1939-1949	15.0	6.4	2.0	---
5 Dec	1622-1636	29.0	22.0	20.0	8.2
	1807-1820	20.0	11.0	6.1	>1.5
6 Dec	1553-1606	21.2	11.8	16.7	---
	1737-1750	---	8.8	8.7	---
7 Dec	1522-1536	23.0	12.3	11.6	1.6
	1707-1720	19.9	10.0	7.3	1.6
8 Dec	1126-1133	21.5	10.6	7.0	---
	1307-1317	22.0	11.4	8.1	---
	1452-1505	21.0	10.4	7.0	---
	1636-1650	22.0	11.6	8.1	0.45
9 Dec	1606-1620	---	25.0	13.0	1.3
	1752-1756	---	28.0	34.0	8.2
	1757-1806	---	>44.0	>120.0	>16.4
12 Dec	1620-1633	---	16.0	4.7	---
13 Dec	1550-1603	24.3	15.0	5.7	---
14 Dec	1520-1533	22.0	13.0	4.6	1.0
15 Dec	1450-1503	25.0	19.0	5.3	---
*16 Dec	1605-1613	32.0	---	3.9	---

* Data doubtful due to high aspect angle (>25°)