

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE NOV	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
GRP50034 BOUL RANY	06	2152	2231	NO FLARE	PATROL														
	06	2235	2245	NO FLARE	PATROL														
	07	1540	1626	1546	N17	E78	.976	12609	13.5	46	--F			.13			2 1 1 4		
	07	1540	1626	1546	N17	E78	.976	12609	13.5	46D	--F				1.30				
	07	1555	1620	1559	N17	E77	.972	12609	13.4	25	--F	4	C	.13			DE		
	07	1913	1916	NO FLARE	PATROL														
	07	1941	1947	NO FLARE	PATROL														
	07	1953	2012	NO FLARE	PATROL														
	07	2014	2111	NO FLARE	PATROL														
	07	2143	2149	NO FLARE	PATROL														
	08	1949	1954	NO FLARE	PATROL														
	08	2000	2011	NO FLARE	PATROL														
	08	2015	2019	NO FLARE	PATROL														
	08	2239	2245	NO FLARE	PATROL														
	08	2316	2321	NO FLARE	PATROL														
	09	1917	1926	NO FLARE	PATROL														
	09	1932	1940	NO FLARE	PATROL														
	10	1916	2004	NO FLARE	PATROL														
	10	2021	2024	NO FLARE	PATROL														
10	2028	2034	NO FLARE	PATROL															
10	2039	2054	NO FLARE	PATROL															
10	2116	2124	NO FLARE	PATROL															
10	2125	2132	NO FLARE	PATROL															
10	2137	2146	NO FLARE	PATROL															
11	2049	2054	NO FLARE	PATROL															
11	2132	2218	NO FLARE	PATROL															
037 KOD	13	0420E	0440D		N13	E75	.965	12618	18.0	20D	1F		P	0440	4.98	5.00		D	3
041 CATA	13	1135	1150	1145	N14	E74	.960	12618	19.0	15	-N	3		1145	.58		(200)		2
042 CATA	13	1315	1325	1320	N15	E73	.955	12618	19.0	10	--N	3		1320	.29		(182)		2
	13	1630	1701	NO FLARE	PATROL														
	14	1510	1543	NO FLARE	PATROL														
	14	1614	1626	NO FLARE	PATROL														
	14	1627	1712	NO FLARE	PATROL														
GRP50047 BUCA MONT CRON	15	0856	0927	0859	N15	E50	.774	12618	19.1	31	--N				.37			3 3 3 8	
	15	0855E	0940D		N14	E49	.762	12618	19.0	45D	-N		P	0902	.55	.80		D	
	15	0857	0926	0859	N15	E50	.774	12618	19.1	29	-N		C	0859	.21			D	
	15	0859E	0914		N15	E50	.774	12618	19.1	15D	-F		V		.36				
048 CATA	15	1315	1355	1320	N16	E56	.835	12623	19.8	48	--N	3		1320	.29	.54	(195)		2
049 HUAN	16	1607	1615	1610	N14	E33	.566	12618	19.1	8	--F	1	C	1610	.36	.44		E	2
050 HANI	17	0000	0011	0003	N03	E41	.655	12618	20.1	11	--F	2		0003	.52	.68			2
	17	1534	1545	NO FLARE	PATROL														
	18	1603	1633	NO FLARE	PATROL														

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	DATE NOV	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMF DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX WIDTH Ha	
GRP50082 RAMY MCHA BOUL	23	1705	1712	1707	S13	E58	.861	12628	28.1	7	-N			.54			3 3 3 3
	23	1705	1712D	1707	S12	E57	.851	12628	28.0	7D	-N	4 C		.46			DE
	23	1705	1711	1708	S12	E58	.860	12628	28.1	6	-N	C	1708	.52	1.10		D
	23	1705	1714	1707	S15	E59	.873	12628	28.1	9	-F	C	1707	.64	1.24		
083 RAMY	23	1834	1838	1836	S13	E54	.825	12628	27.8	4	--F	3 C		.28			DE 3
084 BOUL	23	1922	1950	1927	S13	E75	.970	12634	29.4	28	--F	C	1928	.32	.97		2
085 BOUL	23	2212	2224	2215	S14	E57	.854	12628	28.2	12	--F	C	2215	.64	1.16		3
087 MANI	24	0003E	0012	0003U	S13	E54	.825	12628	28.1	9D	--N	2	0003	.41	.71		FH 2
088 MANI	24	0029E	0045	0029U	S13	E55	.834	12628	28.1	16D	--N	2	0029	.31	.53		2
089 MANI	24	0031	0048	0035	S14	E16	.381	12625	25.2	17	--N	2	0035	.83	.90		FH 2
GRP50091 RAMY CANR	24	1549	1620	1553	S10	E46	.735	12628	28.1	31	--F			.51			2 2 2 3
	24	1546	1608D	1550	S10	E44	.712	12628	28.0	22D	-F	3 C		.19			DE
	24	1552	1620	1555	S09	E47	.744	12628	28.2	28	-F	V		.83			
GRP50092 PALE HUAN RAMY	24	2000	2030	2011	S13	E41	.686	12628	27.9	30	--N			.83			3 3 3 3
	24	2000	2024	2005	S13	E41	.686	12628	27.9	24	-N	2 C		.81			F
	24	2007E	2017D		S12	E42	.694	12628	28.0	10D	-N	1 P	2008	.46	.65		
	24	2017E	2035	2017U	S13	E40	.674	12628	27.8	18D	-F	2 C		1.21			F
GRP50096 TEHR MANI	25	0421	0433	0424	S11	E31	.549	12628	27.5	12	-N			.90			2 2 2 3
	25	0420	0433	0424	S11	E32	.563	12628	27.6	13	-N	3 V		.55			F H
	25	0422	0428D	0424	S11	E30	.536	12628	27.4	6D	-N	2	0424	1.24	1.48		H
GRP50097 CRON TEHR	25	0437	0459	0442	S10	E38	.637	12628	28.0	22	--N			.68			2 2 2 2
	25	0437E	0456	0441	S10	E38	.637	12628	28.0	19D	-N	V		.72			
	25	0442E	0502D	0442U	S10	E37	.624	12628	28.0	20D	-N	3 V		.63			F
GRP50100 BUCA CRON CRON TEHR CATA	25	0853	0916	0855	S11	E33	.576	12628	27.8	23	-N			1.15			4 4 4 5
	25	0851E	0918D		S12	E32	.568	12628	27.8	27D	-N	C	0854	1.66	2.00		E
	25	0851	0913	0854	S11	E35	.602	12628	28.0	22	-N	V		.83			
	25	0851	0913	0906	S11	E35	.602	12628	28.0	22	-N			.62			
	25	0855E	0913	0855U	S10	E32	.558	12628	27.8	18D	-N	3 V		.66			F
	25	0855	0920	0855	S12	E32	.568	12628	27.8	25	-B	3	0855	1.44	1.73	(229)	H
102 RAMY	25	1427E	1441	1428	S10	E25	.462	12628	27.5	14D	-N	3 C		1.11			F H 2
GRP50103 CATA BOUL RAMY CANR	25	1455	1518	1502	S12	E24	.461	12628	27.4	23	-N			1.44			4 4 4 4
	25	1450	1515D	1500	S12	E24	.461	12628	27.4	25D	-B	3	1500	2.90	3.21	(209)	
	25	1451	1525	1503	S13	E23	.456	12628	27.3	34	-N	C	1503	1.18	1.28		
	25	1455	1518	1456	S10	E25	.462	12628	27.5	23	-N	3 C		.84			F H
	25	1505	1515	1508	S11	E25	.468	12628	27.5	10	-F	V	1508	.83			
104 PALE	25	2049	2054	2051	S14	E29	.541	12628	28.0	5	--F	3 C		.27			F 3
105 PALE	25	2144E	2147	2144	S10	E20	.392	12628	27.4	3D	--N	3 C		.36			F 2
	25	2209	2243	NO FLARE PATROL													
GRP50106 MANI MANI PALE	25	2308	2323	2314	S11	E22	.427	12628	27.6	15	--N			.83			2 2 2 2
	25	2250E	2310	2255	S10	E28	.503	12628	28.1	20D	-F	1	2255	.83	.95		F
	25	2308E	2322	2314	S10	E20	.392	12628	27.5	14D	-N	1	2314	1.03	1.12		
	25	2313E	2323D	2313U	S12	E19	.396	12628	27.4	10D	-N	2 C		.63			DE
107 VORO	25	2345	0015	2350	S09	E19	.370	12628	27.4	30	--B	C	2350	.84	.90		64 EHJ 4
GRP50109 PALE MITK MANI VORO	26	0024	0035	0027	S09	E18	.355	12628	27.4	11	--N			.68			4 4 4 5
	26	0023	0032	0026	S10	E18	.363	12628	27.4	9	-N	2 C		.36			H F
	26	0023	0040	0026	S10	E18	.363	12628	27.4	17	-N	C	0026	.52	.60		OH
	26	0025E	0034	0026	S09	E19	.369	12628	27.4	9D	-N	2	0026	.72	.77		H
	26	0025	0035	0029	S08	E18	.347	12628	27.4	10	-B	C	0029	1.11	1.20	73	EHJ
GRP50110 MANI MITK VORO	26	0104	0121	0110	S08	E19	.362	12628	27.5	17	-N			1.20			3 3 3 5
	26	0102	0121	0111	S09	E19	.369	12628	27.5	19	-N	2	0111	1.24	1.32		H
	26	0103	0115D	0107	S08	E20	.376	12628	27.5	12D	-N	C	0107	1.44	1.60		OH
	26	0107	0120	0111	S08	E19	.362	12628	27.5	13	-B	C	0111	.93	1.00	73	EHJ
GRP50112 TEHR CRON MITK MANI	26	0436	0517	0442	S11	W26	.481	12624	24.2	41	--N			.77			4 4 4 4
	26	0435	0510D	0445	S11	W24	.453	12624	24.4	35D	-N	3 V		.41			F
	26	0435	0517	0438	S10	W27	.489	12624	24.2	42	-N	V	0438	.62			
	26	0437	0515D	0447	S12	W26	.487	12624	24.2	38D	-N	C	0447	1.13	1.20		E
	26	0438E	0443D	0438U	S12	W26	.487	12624	24.2	5D	-N	2	0438	.93	1.05		F

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	DATE NOV	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCNATH FLARE REGION	CMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
GRP50114	26	0552	0605	0556	S08	E17	.333	12628	27.5	13	18		1.57				5 5 5 6
MANI	26	0552E	05550	0552U	S08	E17	.333	12628	27.5	30	18	2	0552	2.58	2.62		E
CRON	26	0554E	06030	0557U	S08	E17	.333	12628	27.5	90	-B		0557	1.03			
TEHR	26	0555E	06050	0559U	S06	E19	.349	12628	27.7	100	-N	3	V	.31			F
ATHN	26	0555E	0609	0555U	S11	E17	.359	12628	27.5	140	18	1	V	2.15			F
ABST	26	0558E	0603	0558	S08	E15	.305	12628	27.4	50	1N		P	0558	1.80	1.80	BE
GRP50115	26	0705	0713	0707	S09	E16	.327	12628	27.5	8	-N			1.01			6 6 6 6
ABST	26	0704	0712	0705	S08	E15	.305	12628	27.4	8	1N		C	0705	1.80	1.80	92 E
TEHR	26	0704	0714	0706	S07	E19	.355	12628	27.7	10	-N	3	C	.73			F
CATA	26	0705	0715	0705	S09	E15	.314	12628	27.4	10	-B	3		0705	.87	.90	(295) H
ATHN	26	0705E	0715	0707	S11	E15	.334	12628	27.4	100	-B	2	V	1.49			U F
CRON	26	0708E	0712	0708E	S09	E15	.314	12628	27.4	40	-N		V	0708	.62		
MANI	26	0712E	07120	0712U	S08	E16	.319	12628	27.5		-N	2		0712	.52	.52	
GRP50121	26	1102	1114	1105	S08	E13	.277	12628	27.4	12	--N			.92			3 3 3 4
CATA	26	1100	1115	1105	S09	E14	.300	12628	27.5	15	-B	3		1105	.87	.90	(240) F
TEHR	26	1103E	1112	1106	S07	E11	.240	12628	27.3	90	-N	4	V	.66			
CANR	26	1103	1115	1105	S09	E15	.314	12628	27.6	12	-N		V	1105	1.24	1.20	
GRP50122	26	1146	1155	1149	S09	E12	.275	12628	27.4	9	--N			.57			3 3 3 5
CANR	26	1146	1156	1149	S09	E12	.275	12628	27.4	10	-B		V	1149	.83	.80	
MEUD	26	1148E	1153	1148	S10	E12	.286	12628	27.4	50	-N		C	1148	.62	.60	C
TEHR	26	1150E	1157	1151	S08	E11	.251	12628	27.3	70	-N	2	V	.25			F
4 STATIONS REPORTING GROUP 50123. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP50123	26	1339	1401	1349	S09	E11	.262	12628	27.4	22	1N			2.34			4 4 4 4
ATHN	26	1332	1401	1348	S09	E11	.262	12628	27.4	29	1B	2	C	2.31			F
CANR	26	1337	1400	1349	S08	E11	.251	12628	27.4	23	1N		V	3.30			
MEUD	26	1347	1357	1349	S09	E12	.275	12628	27.5	10	1N		C	1349	2.27	2.30	E
HERS	26	1348E	1405	1348	S08	E11	.251	12628	27.4	170	-N		S	1348	1.48	1.60	E
50123	26	1332	1401	1340	S08	E12	.264	12628	27.5	29	*-N			.91			3 3 3 3
ATHN	26	1332	1401	1338	S09	E11	.262	12628	27.4	29	-N	2	C	.99			F
CANR	26	1337	1400	1341	S08	E11	.251	12628	27.4	23	-N		V	1.03			
MEUD	26	1340E	1345		S08	E13	.277	12628	27.5	50	-F		C	1341	.72	.70	CE
GRP50124	26	1426	1438	1429	S08	E12	.264	12628	27.5	12	--N			.79			2 2 2 4
CANR	26	1425	1436	1428	S08	E11	.251	12628	27.4	11	-N		V	.83			
RANY	26	1427	1440	1429	S07	E12	.254	12628	27.5	13	-N	3	C	.74			DE
GRP50125	26	1520	1541	1525	S07	E10	.227	12628	27.4	21	1B			2.78			1 1 1 1
RANY	26	1520E	1541	1525	S07	E10	.227	12628	27.4	210	1B	3	C	2.78			F H
RANY	26	1520E	1541	1523	S07	E10	.227	12628	27.4	210	-B	3	C	1.49			F H
126 RANY	26	1548E	1600	1553	S07	E13	.268	12628	27.6	120	--F	3	V	.46			DE 1
127 PALE	26	1755E	1826	1801U	S13	H75	.969	12626	21.1	310	--F	1	C	.72			F 2
128 RANY	26	1954	19560	1956U	S06	E10	.217	12628	27.6	20	--F	2	V	.46			DE 2
	26	2115	2135	NO FLARE PATROL													
	26	2203	2231	NO FLARE PATROL													
	26	2233	2258	NO FLARE PATROL													
129 PALE	26	2308E	23080	2308U	S08	E07	.205	12628	27.5		-N	2	C	1.80			F 2
130 PALE	26	2332E	23400	2333	S08	E07	.205	12628	27.5	80	-N	2	C	.99			F 2
GRP50133	27	0124	0138	0127	S09	E05	.200	12628	27.4	14	--N			.88			4 4 4 5
MITK	27	0124	0138	0125	S08	E05	.185	12628	27.4	14	-N		C	0125	.93	.90	E
CRON	27	0124E	0137		S08	E06	.193	12628	27.5	130	-N		V	.72			
PALE	27	0124E	0140	0126U	S09	E04	.193	12628	27.4	160	-N	1	V	1.03			F
MANI	27	0130E	0138	0130U	S10	E05	.216	12628	27.4	80	-N	1		0130	.83	.83	F
PALE	27	0135E	01360	0135U	S09	E04	.193	12628	27.4	10	-N	1	C	.99			F
GRP50135	27	0306	0324	0313	S07	E03	.155	12628	27.4	18	-B			1.84			6 6 5 6
MITK	27	0303	0325	0313	S08	E03	.171	12628	27.4	22	-N		C	0313	1.34	1.30	OH
CRON	27	0306	0329	0313	S07	E04	.162	12628	27.4	23	-B		V	1.03			
KODA	27	0309	0322	0311	S04	E04	.117	12628	27.4	13	1N		V	0315		1.72	OHL
MANI	27	0310E	03140	0312	S08	E03	.171	12628	27.4	40	1B	1		0312	3.09	3.12	E
PALE	27	0312E	03220	0314U	S08	E02	.167	12628	27.3	100	1N	2			2.37		U F
VORO	27	0313E	0324		S08	E02	.167	12628	27.3	110	-B		P	0313	1.38	1.40	93 EHJ

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	DATE NOV	START	END	MAX. PHASE	APPROX. LAT. HER DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP50138	27	0730	0800	0752	S14	H87	.999	12626	20.8	30	--F			.56				4 4 4 8
ABST	27	0730	0802	0750	S14	H88	1.000	12626	20.7	32	1F	C	0750	.90			85	ADK
CRON	27	0748E	0800		S13	H82	.992	12626	21.2	120	-F	V		.41				
ATHN	27	0749E	0759	0751	S13	H86	.998	12626	20.9	100	-F	1 V		.33				DE
CATA	27	0750E	0800D	0755	S14	H90	1.000	12626	20.6	100	1N	3	0755	.58			(155)	
	27	1706	1721	NO FLARE PATROL														
140 BOUL	27	1813	1851	1823	N06	H28	.474	12636	25.7	38	--F	C	1823	.86	.97			1
GRP50143	28	0005	0023	0009	S12	H51	.792	12624	24.2	18	-B			.65				2 2 1 3
VORO	28	0005	0015	0009	S13	H50	.784	12624	24.3	10	-B	C	0009	.65	1.00		65	EJ
CRON	28	0005	0030		S11	H52	.800	12624	24.1	25	-N	V						
GRP50146	28	0533	0555	0539	S09	H04	.191	12628	27.9	22	--F			.52				2 2 2 6
TEHR	28	0531E	0600	0540	S09	H05	.198	12628	27.9	290	-F	3 C		.31				H
MITK	28	0534	0550	0538	S07	H02	.148	12628	28.1	16	-F	C	0538	.72	.70			O
MITK	28	0600	0632	0603	S09	H03	.186	12628	28.0	32	-N	C	0603	1.44	1.50			E
150 HUAN	28	1628	1640	1633	S06	H12	.242	12628	27.8	12	--N	2 C	1633	.36	.37			3
GRP50151	29	0445	0511	0449	S09	H19	.366	12628	27.8	26	--F			.96				4 3 3 5
MITK	29	0445	0507	0449	S08	H20	.374	12628	27.7	22	-N		0449	1.44	1.60			E
CRON	29	0445E	0505	0445E	S09	H19	.366	12628	27.8	200	-F	V	0445	.83				
TEHR	29	0445E	0520D	0452U	S09	H19	.366	12628	27.8	350	-F	2 C		.60				F
HANI	29	0456E	0504D	0500U	S07	H20	.367	12628	27.7	80	-N	1	0500	.62	.67			
GRP50152	29	0646	0752	0700	S09	H19	.366	12628	27.9	66	--E			.46				2 1 1 5
TEHR	29	0646	0752D	0700	S09	H19	.366	12628	27.9	66D	-B	3 C		.46				DE
CATA	29	0720E	0745D	0725	S10	H19	.374	12628	27.9	250	-N	3	0725	.29	.30		(178)	
	29	1942	1949	NO FLARE PATROL														
	29	1952	1954	NO FLARE PATROL														
GRP50153	30	0227	0235	0227	S08	H31	.533	12628	27.8	8	--N			.74				3 3 3 4
MITK	30	0226	0242	0227	S08	H33	.561	12628	27.6	16	-N	C	0227	.72	.90			D
CRON	30	0227E	0232		S08	H29	.584	12628	27.9	50	-F	V	0227	.77				
VORO	30	0227	0230	0227	S08	H32	.547	12628	27.7	3	-B	C	0227	.74	.90		62	DJ
GRP50154	30	0911	0945	0922	S14	H33	.587	12628	27.9	34	-N			1.07				6 5 5 7
MCNT	30	0906	0953	0924	S13	H33	.582	12628	27.9	47	-N	C	0924	1.13				E
CRON	30	0907E	0938	0919	S14	H33	.587	12628	27.9	310	-N	V	0919	1.19				
CRON	30	0907E	0938	0907U	S14	H33	.587	12628	27.9	310	-F	V		.31				
TEHR	30	0909	0938	0916	S15	H33	.593	12628	27.9	29	-N	3 C		.55				F
ARCE	30	0915	0945		S14	H33	.587	12628	27.9	30	-B	C	0922	1.14	1.40			
CANR	30	0920	0923D		S15	H31	.568	12628	28.1	30	-N	V	0923	1.34	1.50			
CATA	30	0930E	0950	0930	S15	H32	.580	12628	28.0	200	1B	3	0930	1.73	2.09		(229)	
GRP50155	30	1947	2021	1951	S15	H37	.642	12628	28.0	34	-F			1.76				2 2 1 2
RAMY	30	1947	2017	1949	S14	H38	.650	12628	28.0	30	-N	3 C		1.76				F
BOUL	30	1952E	2025D	1953	S15	H36	.650	12628	28.1	330	-F	V	1953		1.50			
156 RAMY	30	1948	2013	1951	S11	H44	.712	12628	27.5	25	-N	3 C		.19				DE 1

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
731101	8.90	22.5	731110	0.00	22.4	731122	9.63	24.0
731102	0.00	21.5	731111	0.00	23.1	731123	7.03	23.7
731103	14.33	22.0	731113	133.69	23.5	731125	28.92	23.4
731104	7.64	23.1	731114	0.00	22.5	731126	118.86	22.8
731105	0.00	22.7	731117	0.00	23.8	731127	17.87	23.8
731106	6.13	17.4	731118	0.00	23.5	731128	2.23	24.0
731107	0.00	22.5	731119	7.73	22.2	731129	0.00	23.9
731108	0.00	23.5	731120	2.97	23.7	731130	22.58	24.0
731109	0.00	23.7	731121	1.78	23.4			

When no Flare Index is given, it is 0 for that day.

Addenda: The Flare Index for October 31, 1973 should read 0.00. Hrs. of Patrol = 20.7.

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Nov 73

SOLAR FLARES Unconfirmed NOVEMBER 1973

OBSERV- ATORY	DATE NOV	OBSERVED UT			LOCATION					DURA- TION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
024 CANR	01	1136	1145	1137	S10	W51	.797	12584	28.7	9	-F	V		.31				5
027 CRON	02	0200	0222	0208	S14	W58	.869	12584	28.7	22	-N	V		1.03				4
028 CANR	02	0908	09140	0912	S13	W60	.883	12584	28.9	60	-N	V	0912	.62	1.20			4
035 ATHN	12	1015	1029	1018	N15	E90	1.000	12618	19.2	14	-F	2 C						DE 4
036 CATA	12	1230E	12400	1235	N18	E90	1.000	12618	19.3	100	1F	3	1235	.58			(148)	4
038 MITK	13	0622	0630	0626	N15	E80	.983	12618	19.3	8	-N	C	0626	.52				DH 5
039 CATA	13	0840	0845	0840	N15	E78	.977	12618	19.2	5	-N	1	0840	.29			(182)	6
040 MONT	13	0935	0943	0939	N14	E78	.977	12618	19.2	8	-N	C	0938	.41				DH 6
043 CRON	14	0212E	0215	0212U	N13	E68	.927	12618	19.2	30	-F	V	0212	.36				4
GRPS0044	14	0318	0401	0322	N14	E66	.914	12618	19.1	43	-N			1.69				1 1 1 6
KODA	14	0318	04010	0322	N14	E66	.914	12618	19.1	430	-N	V	0322	1.69				D
KODA	14	0318	04010	0322	N14	E66	.914	12618	19.1	430	-N	V	0322			1.64		D
045 MANI	15	0516	05240	0520U	N15	E49	.763	12618	18.9	80	-F	2	0520	.21	.32			3
046 ATHN	15	0826E	0833	0828	N13	E48	.749	12618	19.0	70	-F	3 V		.33				DE 7
051 MANI	18	0341	0404	0342	N13	E13	.286	12618	19.1	23	-F	2	0342	.31	.32			F 5
052 TEHR	18	0522E	05330	0523	N19	E32	.579	12623	20.6	110	-F	3 V		.25				F 5
053 MANI	18	0523E	0535	0524U	N24	E41	.708	12623	21.3	120	-F	2	0524	.62	.89			F 5
054 MANI	18	0548E	0610	0553U	N14	E07	.232	12618	18.8	220	-F	2	0553	.21	.21			F 6
060 ABST	21	0626E	06380	0631	S11	E90	1.000	12628	28.0	120	1F	P	0631	1.17			59	AEK 7
064 KODA	22	0726	0735	0729	S12	E78	.981	12628	28.2	9	-B	V	0729			2.64		D 4
065 CANR	22	0918	0944	0920	S13	E23	.459	12624	24.1	26	-F	V	0920	.41				8
066 MONT	22	0948	1004	0953	S11	E73	.960	12628	27.9	16	-N	C	0953	.41				8
067 MONT	22	1006	1016	1009	S11	E73	.960	12628	27.9	10	-N	C	1009	.21				7
068 MONT	22	1025	1030	1027	S08	E72	.954	12628	27.8	5	-N	C	1027	.21				EW 5
070 RAMY	22	1320E	13300		S13	E71	.951	12628	27.9	100	-F	3 V						DE 5
071 BOUL	22	1452E	15200	1455U	S12	E68	.933	12628	27.7	280	-F	V	1452		.80			4
072 BOUL	22	2105	2150	2120	S15	E89	1.000	12634	29.6	45	1F	C	2120	.54	2.12			3
073 MANI	22	2315E	2320	2315U	S12	E68	.933	12628	28.1	50	-N	1	2315	.62	1.32			F 4
074 MANI	23	0658	07010	0700	S11	E59	.867	12628	27.7	30	-N	2	0700	.41	.76			X 5
076 MANI	23	0758E	07590	0759U	S11	E56	.840	12628	27.5	10	-N	2	0759	.62	1.08			F 5
077 MANI	23	0812E	08170	0812U	S10	E56	.839	12628	27.5	50	-N	1	0812	.83	1.44			6
078 MANI	23	0840E	08480	0840U	S10	E54	.820	12628	27.4	80	-N	1	0840	.62	1.03			F 5
086 MANI	23	2252E	23200	2259	S10	E52	.800	12628	27.9	280	-N	1	2259	.62	1.00			F 3
090 MANI	24	0329E	0411	0336	S13	E52	.806	12628	28.0	420	-N	2	0336	1.13	1.86			F 3
093 CRON	24	2218E	2222	2218E	S14	E56	.845	12634	29.1	40	-N	V	2218	.36				3
094 CRON	24	2307E	2316	2307E	S11	E57	.849	12634	29.2	90	-F	V	2307	.52				3
095 CRON	24	2345	23560	2353	S13	E53	.815	12634	29.0	110	-N	V	2353	.83				5
098 CATA	25	0715	0725	0720	S11	E31	.549	12628	27.6	10	-N	3	0720	.29	.34		(166)	6
099 CATA	25	0735	07400	0735	S12	E31	.555	12628	27.6	50	-N	3	0735	.58	.68		(186)	6
101 RAMY	25	1258	1320	1305	S15	W59	.872	12626	21.1	22	-N	3 C		.37				DE 4
108 CRON	26	0000	0009		N06	W08	.159	12636	25.4	9	-F	V		.41				6

SOLAR FLARES

Unconfirmed

NOVEMBER 1973

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE NOV	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
111 MANI	26	0152	0207	0156	S09	E18	.355	12628	27.4	15	-N	2	0156	1.24	1.31			H 4
113 MANI	26	0438E	0443D	0438U	S09	E17	.341	12628	27.5	50	-N	2	0438	.52	.54			FH 4
116 CATA	26	0935	0935D	0935	S08	E14	.291	12628	27.4		-N	3	0935	.58	.60	(191)		8
GRP50117	26	0937	0948	0940	S09	E14	.300	12628	27.5	11	-F			.56				2 2 2 8
CANR	26	0936	0948	0939	S08	E14	.291	12628	27.4	12	-F	V	0939	.62	.60			
ATHN	26	0938	0948	0940	S10	E14	.311	12628	27.5	10	-N	2	C	.50				DE
118 CANR	26	0952	0959	0954	N07	W13	.243	12636	25.4	7	-F	V	0954	.31	.30			8
GRP50119	26	0955	1005	0956	S09	E14	.300	12628	27.5	10	-F			.41				2 2 2 8
CANR	26	0955	1007	0956	S09	E13	.287	12628	27.4	12	-N	V	0956	.41	.40			
CRON	26	0956E	1002	0956E	S09	E14	.300	12628	27.5	60	-F	V	0956	.41				
120 CANR	26	1100	1107	1102	N07	W14	.259	12636	25.4	7	-N	V	1102	.52	.50			5
131 PALE	27	0001E	0004D	0002U	S10	E04	.209	12628	27.3	30	-F	2	V	.31				DE 3
132 CRON	27	0104E	0124		N07	W20	.354	12636	25.5	200	-F	V		.52				3
134 MANI	27	0145E	0152	0147U	N05	W19	.331	12636	25.6	70	-N	1	0147	.41	.44			5
136 VORO	27	0351	0358	0352	S07	E05	.170	12628	27.5	7	-B	C	0352	.46	.46		66	EJ 5
137 KODA	27	0416	0539	0419	S13	W80	.987	12626	21.2	83	-B	V	0419			2.72		D 5
139 CATA	27	1025	1035	1030	S09	W01	.182	12628	27.4	10	-N	3	1030	.58	.58	(151)		7
141 CRON	27	2309	2318		S09	E07	.217	12628	28.5	9	-F	V		.93				3
142 CRON	27	2330E	2348	2333	S09	E07	.217	12628	28.5	180	-N	V		.93				3
144 VORO	28	0057	0117	0059	S09	W01	.179	12628	28.0	20	-B	C	0059	1.11	1.10		64	EJ 5
145 VORO	28	0145	0149	0145	S09	W05	.198	12628	27.7	4	-B	C	0145	.74	.70		67	D 6
147 MONT	28	0948	1013	0951	S09	W05	.198	12628	28.0	25	-N	C	0951	.41				E 8
148 MONT	28	1123	1128	1125	N07	W38	.620	12636	25.6	5	-N	C	1125	.10				6
149 MONT	28	1158	1203	1159	N07	W38	.620	12636	25.6	5	-N	C	1159	.10				6

Note:

A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.

When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

A = Eruptive prominence whose base is less than 90° from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in the neighborhood.
 H = Flare accompanied by a high speed dark filament.
 I = Active region very extended.
 J = Distinct variations of plage intensity before or after the flare.
 K = Several intensity maxima.
 L = Existing filaments show signs of sudden activity.
 M = White-light flare.

N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H and K.
 P = Flare shows helium D₃ in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in H α line suggests ejection of high velocity material.
 S = Brightness follows disappearance of filament (same position).
 T = Region active all day.
 U = Two bright branches, parallel (||) or converging (Y).
 V = Occurrence of an explosive phase: important and abrupt expansion in about a minute with or without important intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H α line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.