





6  
Nov 71

# SOLAR FLARES

## Confirmed

### NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.			MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %		
					LAT.	MER. DIST.														
	1971																			
	NOV																			
	05	1605	1610	NO FLARE	PATROL															
180 LOCK	05	1643	1652	1646	S11	W81	.990	11579	30.6	9	--F	C					3			
GRP41181	05	1706	1716	1708	N02	E89	1.000	11598	12.4	10	-N			.25			2 2 1 3			
HUAN	05	1705	1714	1708	N02	E89	1.000	11598	12.4	9	-N	2	C	1708	.25		D			
MCMA	05	1706	1717	1707	N02	E88	.999	11598	12.3	11	-N		C	1707						
GRP41182	05	1825	1847	1830	N11	E16	.298	11592	7.0	22	--F				.57		4 4 3 5			
LOCK	05	1822	1853	1830	N12	E16	.305	11592	7.0	31	-F		C				D			
MCMA	05	1826	1849	1830	N11	E15	.283	11592	6.9	23	-N		C	1830	.31	.30	D			
RAMY	05	1826E	1848	1828	N11	E17	.313	11592	7.0	22D	-F	2	C		.56		D			
PALE	05	1826	1839	1832	N10	E15	.276	11592	6.9	13	-N	3	C		.83					
PALE	05	1826	1839	1827	N10	E15	.276	11592	6.9	13	-F	3	C		.41					
GRP41183	05	1930	2000	1951	N11	E14	.268	11592	6.9	30	--F				.42		3 2 2 3			
LOCK	05	1930	2005	1940	N12	E16	.305	11592	7.0	35	-F		C				D			
MCMA	05	1947	2000D	1952	N11	E15	.283	11592	6.9	13D	-F		C	1952	.31	.30				
PALE	05	1948E	1959	1949	N10	E13	.246	11592	6.8	11D	-F	2	C		.52					
	05	2005	2018	NO FLARE	PATROL															
	05	2026	2220	NO FLARE	PATROL															
GRP41185	06	0307	0324	0315	S12	E06	.292	11591	6.6	17	--N				.74		4 4 4 4			
CRON	06	0305	0314		S12	E05	.286	11591	6.5	9	-N	3	V	0309	1.00					
MANI	06	0308E	0325	0315	S12	E07	.298	11591	6.7	17D	-N	2		0315	.62	.65				
PALE	06	0309	0325	0315	S13	E04	.298	11591	6.4	16	-N	2	C		.99		F			
TEHR	06	0311E	0331	0315	S11	E08	.290	11591	6.7	20D	-N	3	C		.36		F			
187 TEHR	06	0437	0445	0439	N07	W26	.439	11599	4.2	8	--N	4	C		.09		D			
188 TEHR	06	0501	0511	0503	N01	E79	.981	11598	12.1	10	--N	4	C		.19		D			
GRP41193	08	1233	1247	1236	S08	E15	.325	11596	9.6	14	--N				.16		2 2 2 6			
CATA	08	1230	1245	1235	S08	E15	.325	11596	9.6	15	-N		C	1234	.14	.15	186			
ATHN	08	1235	1249	1237	S08	E15	.325	11596	9.6	14	-N	3	C		.17		D			
GRP41194	08	1802	1810	1804	S08	E09	.254	11596	9.4	8	--F				.40		2 2 1 4			
LOCK	08	1801	1809	1803	S09	E12	.299	11596	9.7	8	-F		C							
BOUL	08	1803	1810	1804	S06	E06	.197	11596	9.2	7	-F	3	V	1804	.40	.40				
GRP41195	08	1819	1825	1820	S08	E09	.254	11596	9.4	6	--F				.40		2 2 1 4			
LOCK	08	1817	1824	1819	S09	E12	.299	11596	9.7	7	-F		C							
BOUL	08	1821	1826	1821	S06	E06	.197	11596	9.2	5	-F	3	V	1821	.40	.40				
	08	2400	0003	NO FLARE	PATROL															
GRP41200	09	1052	1103	1054	S06	W36	.605	11591	6.8	11	--F				.33		3 3 3 6			
ATHN	09	1050	1101	1054	S06	W38	.631	11591	6.6	11	-F	3	C		.33		D			
CANR	09	1053	1055D		S07	W37	.621	11591	6.7	20	-F	3	V	1055	.25	.30				
CAPS	09	1054E	1105D		S06	W34	.577	11591	6.9	11D	-F	2	V	1103	.40	.50	157			
GRP41201	09	1737	1830	1744	S12	E21	.439	11597	11.3	53	--N				.77		2 2 2 2			
RAMY	09	1737	1830	1741	S11	E21	.430	11597	11.3	53	-N	3	C		.93		D			
HUAN	09	1743E	1805	1747	S12	E18	.402	11597	11.1	22D	-N	2	P	1747	.61	.67	E			
HUAN	09	1802	1818D	1804U	S12	E22	.451	11597	11.4	16D	-F	2	P	1804	.23	.26	D			
GRP41202	09	1945	2019	1950	S20	W38	.696	11593	7.0	34	-N				.97		5 5 4 5			
LOCK	09	1940	2015	1952	S20	W38	.696	11593	7.0	35	-N		C							
RAMY	09	1944	2015	1947	S20	W37	.686	11593	7.0	31	-F	2	C		1.03		D			
PALE	09	1946E	2020D	1951	S19	W37	.680	11593	7.0	34D	-N	2	C		.72		D			
BOUL	09	1948	2025	1948	S19	W40	.711	11593	6.8	37	-N	3	V	1948	1.50	2.90				
HUAN	09	1956E	2000D		S20	W37	.686	11593	7.1	4D	-N	1	P	1956	.63	.85	E			
	09	2221	2225	NO FLARE	PATROL															
	09	2305	2311	NO FLARE	PATROL															
	09	2323	2344	NO FLARE	PATROL															
	09	2400	0002	NO FLARE	PATROL															
203 CAPE	10	0758	0811	0802	S09	W53	.812	11591	6.4	13	--F		C	0802	.97	1.70				
GRP41206	10	1445	1521	1458	S13	W56	.865	11591	6.3	36	--F				.65		3 2 2 6			
RAMY	10	1445	1510	1451	S12	W56	.846	11591	6.4	25	-F	2	C		.46		D			
BOUL	10	1500	1520	1505	S12	W56	.846	11591	6.4	20	-F	3	V	1505	.90	1.60				
CAPS	10	1505E	1521D		S13	W60	.881	11591	6.1	16D	-N	3	V	1507	.40	.60	170			

# SOLAR FLARES

## Confirmed

### NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1971	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.													
GRP41207	10	1625	1651	1630	S07	W55	.828	11591	6.6	23	--F			.83					4 4 3 5
LOCK	10	1620	1645	1630	S06	W55	.826	11591	6.6	25	-F	C						H	
MCMA	10	1625E	16500		S07	W55	.828	11591	6.6	250	-N	C	1632	.77	1.80			FL	
RAMY	10	1626E	17040	1628	S08	W53	.810	11591	6.7	380	-F	2 C		1.39				D	
HUAN	10	1627	1645	1631U	S06	W55	.826	11591	6.6	18	-F	2 C	1631	.33	.58				
GRP41208	10	1752	1813	1759	S13	W58	.865	11591	6.4	21	-N			.72				3 3 2 5	
MCMA	10	1750E	18100	1758	S13	W58	.865	11591	6.4	200	-N	P	1758	.62	1.20			E	
LOCK	10	1752	1812	1758	S14	W59	.875	11591	6.3	20	-N	C							
PALE	10	1755	1813	1800	S12	W58	.863	11591	6.4	18	-N	2 C		.81				F	
211 LOCK	10	1955	2015	2005	N10	E82	.989	11605	17.0	20	--F	C						3	
GRP41212	10	2038	2100	2043	N03	E11	.191	11598	11.7	22	--F			.45				2 2 1 3	
LOCK	10	2036	2100	2042	N04	E09	.156	11598	11.5	24	-F	C							
PALE	10	2039	20450	2044	N02	E12	.209	11598	11.8	60	-N	2 C		.45				F	
GRP41213	10	2100	2125	2105	N08	W66	.912	11604	5.9	25	--F			.36				2 1 1 2	
LOCK	10	2100	2125	2105	N08	W66	.912	11604	5.9	25	-F	C							
PALE	10	2117E	21260	2119	N07	W65	.905	11604	6.0	30	-F	1 C		.36					
	11	1746	1805		NO FLARE PATROL														
	11	1913	1937		NO FLARE PATROL														
	11	1947	2124		NO FLARE PATROL														
	11	2135	2143		NO FLARE PATROL														
	11	2221	2244		NO FLARE PATROL														
219 MITK	12	0111E	01370		S19	W11	.418	11597	11.2	260	1F	C	0112	3.20	3.40			EGH	3
220 PALE	12	0216	02390	0223	S15	E30	.571	11606	14.3	230	--F	3 C		.27				F	3
221 CATA	12	0725	07300	0725	N07	E70	.938	11605	17.6	50	--N	P	0725	.14			180		2
GRP41222	12	0750	0835	0805	S20	W70	.953	11593	7.1	45	1F			.99				2 2 2 4	
CAPS	12	0749E	08050		S19	W70	.952	11593	7.1	160	1F	2 V	0755	.75			155	CH	
CATA	12	0750	0835	0805	S21	W70	.954	11593	7.1	45	1N	C	0805	1.22			155		
	12	1558	1608		NO FLARE PATROL														
GRP41223	12	1610	1621	1611	N05	E64	.898	11605	17.5	11	-F			1.02				2 2 2 2	
RAMY	12	1607E	1613	1608	N05	E65	.905	11605	17.5	30	-N	2 C		.93				D	
BOUL	12	1613	1628	1613	N05	E62	.882	11605	17.3	15	-F	3 V	1613	1.10	2.00				
	12	1630	1655		NO FLARE PATROL														
GRP41224	12	1828	1901	1837	N07	E67	.919	11605	17.8	33	-N			2.26				2 2 1 2	
PALE	12	1828	1909	1833	N07	E67	.919	11605	17.8	41	1N	2 C		2.26				F	
LOCK	12	1840E	1853	1840	N06	E67	.919	11605	17.8	130	-N	C							
GRP41226	12	2344	2358	2349	N06	E63	.890	11605	17.7	14	-N			.81				2 2 1 4	
LOCK	12	2343	2358	2345	N06	E63	.890	11605	17.7	15	-N	C						V	
PALE	12	2345	2358	2352	N05	E63	.890	11605	17.7	13	-N	2 C		.81					
GRP41230	13	0915	0925	0916	S11	E58	.861	11607	17.7	10	--F			.50				2 2 2 6	
ARCE	13	0915E	0920E		S10	E58	.859	11607	17.7	30	-F	C	0916	.33	.70			E	
ATHN	13	0915	0925	0916	S11	E58	.861	11607	17.7	10	-N	3 C		.66				D	
GRP41233	13	1219	1228	1223	S14	E76	.975	11610	19.2	9	-N			.63				4 4 4 5	
ATHN	13	1216	1230	1220	S15	E76	.976	11610	19.2	14	-N	3 C		.83				D	
HTPR	13	1217	1222	1220	S15	E75	.972	11610	19.1	5	-F	C	1220	.31					
TEHR	13	1222	1227	1224	S13	E76	.975	11610	19.2	5	-N	3 C		.28				FH	
CAPE	13	1222	1228	1223	S15	E77	.979	11610	19.3	6	-N	C	1223	.87					
HTPR	13	1222	1228	1223	S13	E75	.971	11610	19.1	6	-N	C	1223	.52					
GRP41234	13	1220	1230	1222	S10	E56	.841	11607	17.7	10	--N			.45				3 3 3 5	
ATHN	13	1220	1236	1222	S11	E56	.843	11607	17.7	15	-N	3 C		.66				D	
HTPR	13	1220	1226	1222	S10	E55	.832	11607	17.6	6	-F	1 C	1222	.41	.80				
TEHR	13	1221E	1229	1221	S09	E56	.840	11607	17.7	80	-N	3 C		.28				F	
GRP41236	13	1422	1443	1428	S13	E75	.971	11610	19.2	21	--F			.39				4 4 4 5	
ATHN	13	1416	1454	1425	S13	E76	.975	11610	19.3	38	-N	3 C		.50				D	
HUAN	13	1422	14300	1427U	S13	E74	.957	11610	19.1	80	-F	1 P	1427	.18				D	
RAMY	13	1425	1440	1429	S13	E76	.975	11610	19.3	15	-F	2 C		.56				D	
HTPR	13	1426	1435	1429	S13	E72	.957	11610	19.0	9	-F	C	1429	.31					

SOLAR FLARES  
Confirmed  
NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1971	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %	
					LAT.	MER. DIST.												
GRP41237	13	1558	1632	1604	S12	E75	.970	11610	19.3	34	-F							3 3 3 4
HUAN	13	1555	1601	1557	S10	E74	.965	11610	19.2	6	-N	1	C	1557	.44			D
MCHA	13	1556	1700	1609	S10	E74	.965	11610	19.2	64	1N		C	1609	.15	2.80		EH
HUAN	13	1602	1611	1605	S13	E74	.967	11610	19.2	9	-F	1	C	1605	.72			D
RAMY	13	1603	1608	1605	S13	E77	.978	11610	19.4	5	-F	2	C		.18			D
HUAN	13	1623	1629D	1627	S13	E74	.967	11610	19.2	60	-F	1	P	1627	.41			D
HUAN	13	1653	1700	1657	S14	E74	.967	11610	19.3	7	-N	1	C	1657	.15			D
HUAN	13	1655	1700	1658U	S12	E79	.985	11610	19.6	5	-F	1	P	1658	.33			D
GRP41238	13	1857	1913	1906	S12	E73	.962	11610	19.3	16	-N				.46			4 4 3 4
PALE	13	1852	1914	1906	S12	E72	.957	11610	19.2	22	-N	2	C		.67			DH
LOCK	13	1855	1915	1905	S12	E73	.962	11610	19.3	20	-F							D
MCHA	13	1900	1911	1906	S12	E72	.957	11610	19.2	11	-N		C	1906	.41	1.40		D
HUAN	13	1901	1910	1905	S13	E73	.962	11610	19.3	9	-N	2	C	1905	.30			
GRP41239	13	1927	1947	1931	S13	E73	.962	11610	19.3	20	--F				.18			2 2 2 4
MCHA	13	1926	1947	1927	S12	E72	.957	11610	19.2	21	-F		C	1927	.21	.60		D
HUAN	13	1928	1946	1934U	S13	E73	.962	11610	19.3	18	-F	2	P	1934	.15			D
240 LOCK	13	2203	2240	2211	S13	E71	.952	11610	19.2	37	--F		C					2
241 VORO	13	2353	0000	2356	S10	E70	.945	11610	19.2	7	-B		C	2356	.46	1.30		70
GRP41242	14	0040	0051	0043	S11	E69	.940	11610	19.2	11	-N				.46			2 2 2 3
VORO	14	0038	0050	0041	S10	E70	.945	11610	19.3	12	-B		C	0041	.46	1.30		66
PALE	14	0041	0052	0045	S12	E68	.935	11610	19.1	11	-F	2	C		.45			
243 PALE	14	0046	0056	0051	N07	E59	.856	11609	18.5	10	--F	2	C		.36			F
GRP41244	14	0236	0244	0239	S15	E72	.959	11610	19.5	8	--N				.23			3 3 3 4
MANI	14	0234	0248	0238	S15	E71	.954	11610	19.4	14	-N	2	C	0238	.21	.47		
VORO	14	0237	0241	0238	S14	E74	.967	11610	19.7	4	-B		C	0238	.28	1.00		69
PALE	14	0238	0244	0241	S16	E70	.949	11610	19.4	6	-F	2	C		.19			D
GRP41248	14	0646	0659	0651	S12	E69	.941	11610	19.5	13	--N				.28			4 4 4 7
TEHR	14	0640	0700	0647	S17	E68	.940	11610	19.4	20	-N	3	C		.19			DR
ATHN	14	0645	0655	0646	S16	E70	.949	11610	19.5	10	-N	3	C		.33			D
MANI	14	0647	0705	0652	S10	E69	.939	11610	19.5	18	-N	2		0652	.31	.65		
CATA	14	0650	0655D	0650	S09	E68	.932	11610	19.4	50	-N		P	0650	.40			174
TEHR	14	0653	0659	0655	S11	E69	.940	11610	19.5	6	-B	3	C		.09			D
7 STATIONS REPORTING GROUP 41249. 2 STATIONS OBSERVING AND NOT REPORTING.																		
GRP41249	14	0754	0833	0800	S12	E66	.922	11610	19.3	39	-N				.58			5 4 4 8
CAPE	14	0752	0834	0800	S12	E68	.935	11610	19.4	42	-F		C	0800	.87	2.30		H
TEHR	14	0755	0814D	0759	S13	E66	.923	11610	19.3	19D	-N	3	C		.19			D
ATHN	14	0756	0832	0759	S11	E64	.908	11610	19.1	36	-N	3	C		.66			F
CATA	14	0800E	0815D	0800	S10	E67	.927	11610	19.4	15D	-N		P	0800	.58			174
HTPR	14	0826E	0835		S12	E63	.902	11610	19.1	9D	-F		C	0826	.52			
41249	14	0811	0830	0816	S11	E67	.928	11610	19.4	19	*-N				.30			3 3 3 6
TEHR	14	0810	0814D	0812	S10	E68	.933	11610	19.4	4D	-N	3	C		.19			D
CANR	14	0812	0825		S13	E67	.930	11610	19.4	13	-N	3	V	0814	.30	.60		
MANI	14	0818E	0834	0820	S10	E67	.927	11610	19.4	16D	-N	2		0820	.41	.84		
GRP41251	14	0940	0951	0943	S17	W19	.460	11603	13.0	11	--N				.21			3 3 2 8
TEHR	14	0940	0947	0943	S19	W19	.483	11603	13.0	7	-F	3	C		.09			F
ATHN	14	0940	0955	0943	S18	W20	.482	11603	12.9	15	-N	3	C		.33			D
CAPS	14	0943E	0945D		S15	W19	.439	11603	13.0	2D	-N	4	S					E
GRP41255	14	1156	1207	1159	S15	E64	.912	11610	19.3	11	-N				.60			5 5 5 5
CATA	14	1155	1210	1155	S15	E63	.905	11610	19.2	15	1B		C	1155	.98	2.33		214
RAMY	14	1155	1206	1200	S13	E66	.923	11610	19.4	11	-F	2	C		.72			D
HTPR	14	1156	1206	1200	S15	E62	.898	11610	19.1	10	-B		C	1200	.62			D
ATHN	14	1156	1206	1158	S15	E65	.919	11610	19.4	10	-N	3	C		.50			D
TEHR	14	1203E	1206D	1203	S15	E64	.912	11610	19.3	3D	-N	3	C		.19			F
GRP41258	14	1256	1313	1259	S15	E64	.912	11610	19.3	17	-N				.49			4 4 4 4
CATA	14	1255E	1300D	1255	S14	E63	.904	11610	19.3	5D	-N		P	1255	.46	1.10		186
HTPR	14	1255	1312	1259	S15	E62	.898	11610	19.2	17	-N		C	1259	.72			
HUAN	14	1255	1311	1301U	S14	E64	.911	11610	19.3	16	-N	2	P	1301	.28	.61		E
ATHN	14	1258	1317	1300	S15	E65	.919	11610	19.4	19	-N	3	C		.50			D
GRP41259	14	1353	1407	1359	S17	E77	.980	11610	20.4	14	--F				.57			2 1 1 4
RAMY	14	1353	1407	1359	S17	E77	.980	11610	20.4	14	-F	2	C		.57			D
ATHN	14	1402	1431	1403	S16	E65	.920	11610	19.5	29	-F	2	C		.33			D
GRP41260	14	1506	1516	1510	S09	E42	.689	11607	17.8	10	--F				.39			2 2 2 2
RAMY	14	1506	1516	1510	S09	E42	.689	11607	17.8	10	-F	3	C		.46			D
MCHA	14	1509E	1515		S08	E42	.686	11607	17.8	6D	-N		P	1509	.31	.40		BE

SOLAR FLARES  
Confirmed  
NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %		
					LAT.	MER. DIST.													
	1971																		
	NOV																		
	14	1549	1605																
	14	1607	1610																
GRP41262	14	1908	1925	1910	S15	E65	.919	11610	19.7	17	--F						3 3 3 4		
RAMY	14	1905	1913D	1908	S15	E67	.932	11610	19.8	3D	-F	2	C	1910	.34	.80		D	
BOUL	14	1907	1925	1910	S14	E65	.918	11610	19.7	18	-F	3	V		.36				
PALE	14	1912	1925	1912	S15	E62	.898	11610	19.5	13	-N	3	C		.40				
263 LOCK	14	2015	2050	2036	S14	E63	.904	11610	19.6	35	--F		C		.27			H 2	
GRP41264	14	2156	2230	2203	S10	E61	.884	11610	19.5	34	--F		C		.48			3 3 2 3	
LOCK	14	2140	2230	2205	S10	E62	.892	11610	19.6	50	-F		C						
PALE	14	2154	2202D	2201	S11	E60	.877	11610	19.4	8D	-F	2	C		.36				
BOUL	14	2158	2230		S10	E60	.876	11610	19.4	32	-N	3	V	2159	.60	1.20			
255 MANI	14	2352	0007	2356	S12	E58	.852	11610	19.3	15	--N	2		2356	.31	.56		2	
GRP41267	15	0027	0039	0029	S13	E62	.895	11610	19.7	12	-N				.49			3 3 2 4	
MANI	15	0026	0040	0030	S12	E60	.878	11610	19.5	14	-N	2		0030	.52	.96			
VORO	15	0027	0038	0028	S13	E62	.895	11610	19.7	11	-B		C	0028	.46	1.00	80	EJ	
PALE	15	0027E	0029D		S15	E63	.905	11610	19.7	2D	-N	2	C					F	
268 MANI	15	0144E	0147	0145	S13	E59	.872	11610	19.5	3D	-N	2		0145	.72	.83		4	
269 TEHR	15	0332	0343	0335	S09	E57	.848	11610	19.4	11	--F	0	C		.19			F 3	
270 TEHR	15	0348	0402	0348	S13	E54	.828	11610	19.2	14	--N	3	C		.19			FH 2	
GRP41271	15	0605	0629	0614	S14	E59	.873	11610	19.7	24	-N				.67			4 4 4 5	
TEHR	15	0604	0625	0608	S14	E57	.857	11610	19.5	21	-N	4	C		.09			F	
ATHN	15	0605	0647	0619	S15	E58	.867	11610	19.6	42	-N	3	C		1.32			D	
ATHN	15	0605	0647	0610	S15	E58	.867	11610	19.6	42	-N	3	C		.99				
CRON	15	0606	0623	0611	S18	E59	.881	11610	19.7	17	-N	2	C	0611	.65	1.36			
TEHR	15	0610	0627	0611	S15	E60	.883	11610	19.8	17	-N	4	C		.19			F	
MANI	15	0611E	0613	0613	S09	E62	.890	11610	19.9	2D	-N	2	C	0613	.52	.98			
CRON	15	0611	0628	0615	S16	E57	.861	11610	19.5	17	-N	2	C	0615	.32	.63			
GRP41274	15	0720	0732	0723	S13	E53	.819	11610	19.3	12	--N				.22			3 3 3 6	
CATA	15	0720	0735	0725	S13	E52	.809	11610	19.2	15	-N		C	0725	.23	.40	178	D	
ATHN	15	0720	0729	0723	S14	E53	.821	11610	19.3	9	-N	3	C		.33			D	
TEHR	15	0721	0732	0722	S13	E53	.819	11610	19.3	11	-N	4	C		.09			D	
5 STATIONS REPORTING GROUP 41275. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP41275	15	0912	0932	0916	S12	E51	.797	11610	19.2	20	-N				.64			5 5 5 7	
CANR	15	0910	0923	0916	S13	E50	.789	11610	19.1	13	-N	3	V	0915	.30				
HTPR	15	0911	0935	0916	S12	E51	.797	11610	19.2	24	-N		C	0916	.83	1.40			
ATHN	15	0913	0941	0916	S11	E51	.794	11610	19.2	28	-N	3	C		.99			D	
ZURI	15	0913	0936	0914	S11	E50	.784	11610	19.1	23	-N		C	0914	.91	1.50			
TEHR	15	0914	0924	0919	S11	E51	.794	11610	19.2	10	-F	4	C		.19			D	
41275	15	0923	0931	0924	S12	E59	.835	11610	19.5	8	*-F				.33			3 3 3 7	
ATHN	15	0916	0929	0918	S17	E53	.828	11610	19.4	13	-F	3	C		.33			D	
HTPR	15	0922	0926	0923	S11	E57	.851	11610	19.7	4	-F		C	0923	.31	.70		D	
TEHR	15	0923	0924	0924	S11	E59	.869	11610	19.8	1	-F	3	C		.09			F	
ATHN	15	0923	0930	0925	S11	E56	.843	11610	19.6	7	-N	3	C		.50			D	
TEHR	15	0926	0938	0929	S11	E52	.804	11610	19.3	12	-F	3	C		.09			D	
GRP41276	15	0945	1019	0951	S11	E52	.804	11610	19.3	34	1E				1.92			8 7 7 8	
CATA	15	0915	1025	0947	S10	E53	.812	11610	19.4	70	1E		C	0947	2.78	4.85	282	Z	
CRON	15	0944	1009	0950	S12	E52	.807	11610	19.3	25	1N	2	C	0950	1.29	2.16			
HTPR	15	0945	1025	0951	S11	E53	.814	11610	19.4	40	1E		C		1.50	2.60		HU	
TEHR	15	0945	1019	0956	S10	E52	.802	11610	19.3	34	1E	4	C		1.55			UF	
ATHN	15	0945	1019	0953	S10	E52	.802	11610	19.3	34	1E	3	C		2.31			FH	
ZURI	15	0945	0956D	0952	S10	E51	.792	11610	19.2	11D	1E		P	0952	2.52	4.20			
CANR	15	0945	1015	0948	S13	E49	.779	11610	19.1	30	1E	3	V	0948	1.50	2.30			
CATA	15	0951	0957	0951	S10	E58	.859	11610	19.8	5	-E			C	0951	.52	1.04	209	
MONT	15	1008E	1020D	1011	S09	E57	.848	11610	19.7	12D	-N		C	1011	1.55				
GRP41277	15	1153	1203	1155	S13	E50	.789	11610	19.2	10	--N				.32			5 5 5 6	
RAMY	15	1152	1205	1155	S14	E51	.802	11610	19.3	13	-F	3	C		.36			D	
ATHN	15	1152	1203	1154	S12	E50	.787	11610	19.2	11	-N	3	C		.33			DH	
HTPR	15	1153	1200	1156	S13	E49	.779	11610	19.2	7	-N		C	1156	.31	.50		HD	
CATA	15	1155	1205	1155	S13	E49	.779	11610	19.2	10	-N		C	1155	.52	.85	191		
TEHR	15	1155	1201	1156	S14	E50	.792	11610	19.2	6	-N	3	C		.09			D	

10  
Nov 71

# SOLAR FLARES

## Confirmed

### NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %
					LAT.	MER. DIST.												
	1971																	
	NOV																	
GRP41278	15	1633	1645	1636	S11	E53	.814	11610	19.7	12	--N					5 5 4 5		
LOCK	15	1632	1650	1636	S08	E52	.799	11610	19.6	13	-F							
RAMY	15	1633	1646	1637	S12	E54	.826	11610	19.7	13	-F	2	C			D		
MCMA	15	1633	1645	1634	S10	E52	.802	11610	19.6	12	-N		C	1634	.26	.40	D	
HUAN	15	1633	1642	1637	S12	E53	.816	11610	19.7	9	-N	1	C	1637	.18	.29	D	
CANR	15	1634	1643	1638	S11	E52	.804	11610	19.6	9	-N		C	1638	.22	.36		
GRP41281	15	1903	1945	1910	S16	E50	.798	11610	19.5	42	-N						4 4 3 4	
PALE	15	1859	1929	1911	S15	E49	.785	11610	19.5	30	-N	3	C		.81		F	
RAMY	15	1903	1945	1906	S16	E51	.807	11610	19.6	42	-N	2	C		1.03		D	
MCMA	15	1903	1950	1911	S14	E50	.792	11610	19.5	47	-N		C	1911	.52	.90	E	
LOCK	15	1905	1955	1912	S17	E49	.791	11610	19.5	50	-F		C					
282 PALE	15	2036	2049	2044	S18	E42	.723	11610	19.0	13	--F	3	C		.19		H	
283 LOCK	15	2212	2240	2225	S16	E48	.778	11610	19.5	28	--F		C					
GRP41288	16	0414	0440	0426	S16	E44	.736	11610	19.5	26	-N				1.28		4 4 4 5	
MANI	16	0412	0435	0419	S16	E42	.714	11610	19.3	23	-N	2	C	0419	.83	1.20		
TEHR	16	0415	0439	0425	S15	E45	.743	11610	19.6	24	-N	3	C		1.65		FS	
CRON	16	0415	0443	0426	S17	E45	.750	11610	19.6	28	-N	2	C	0426	.75	1.14		
KODA	16	0433	0442	0433	S16	E44	.736	11610	19.5	9	-N		V	0433	1.89	1.90	1.76	
GRP41289	16	0519	0534	0521	S15	E44	.732	11610	19.5	15	--N				.93		3 3 3 5	
CRON	16	0517	0527	0520	S16	E44	.736	11610	19.5	10	-F	2	C	0520	.54	.80		
TEHR	16	0520	0540	0522	S15	E44	.732	11610	19.5	20	-N	1	C		.36		FD	
KODA	16	0521E	0524D		S16	E44	.736	11610	19.5	3D	-N		P	0523	1.89	1.90		
TEHR	16	0536	0547	0538	S11	E44	.718	11610	19.5	11	-F	1	C		.09		D	
GRP41291	16	0919	0945	0929	S11	E39	.658	11610	19.3	26	-N				.89		8 8 8 11	
ARCE	16	0916	0946	0930	S12	E38	.650	11610	19.2	30	-N		C	0931	.86	1.10		
ATHN	16	0916	0948	0935	S12	E40	.674	11610	19.4	32	-N	2	C		.83		T	
ATHN	16	0916	0948	0920	S12	E40	.674	11610	19.4	32	-N	2	C		.66		F	
HTPR	16	0917	0945	0927	S11	E38	.646	11610	19.2	28	-N		C	0927	1.13	1.50	EU	
CAPE	16	0917	0955	0928	S11	E38	.646	11610	19.2	33	-N		C	0928	1.19	1.50		
CATA	16	0920	0950	0930	S10	E38	.642	11610	19.2	30	-B		C	0930	1.27	1.66	219	
MONT	16	0922	0936	0924	S10	E41	.679	11610	19.5	14	-N		C	0924	.72			
CRON	16	0925	0940	0926	S14	E39	.671	11610	19.3	15	-F	3	V	0926	.60			
CAPS	16	0930E	0941D		S10	E37	.629	11610	19.2	11D	-F	3	V	0934	.50	.60	155	
GRP41292	16	1147	1207	1149	S12	E43	.710	11610	19.7	20	--F				.31		4 4 3 11	
CATA	16	1145E	1205D	1145	S12	E43	.710	11610	19.7	20D	-N		P	1145	.23	.33	197	
RAMY	16	1145	1207	1148	S13	E43	.713	11610	19.7	22	-F	3	C		.36		D	
TEHR	16	1146	1155D		S13	E41	.690	11610	19.6	9D	-F	2	C				D	
ATHN	16	1151	1155D	1154	S11	E43	.706	11610	19.7	4D	-F	2	C		.33		D	
GRP41293	16	1240	1248	1242	S12	E36	.625	11610	19.2	8	--F				.57		4 4 4 8	
CAPE	16	1240	1247	1242	S13	E36	.630	11610	19.2	7	-N		C	1242	.96	1.20	H	
RAMY	16	1240	1253	1241	S13	E36	.630	11610	19.2	13	-F	3	C		.46		D	
ZURI	16	1241	1246	1242	S13	E35	.618	11610	19.2	5	-N		C	1242	.57	.70		
HUAN	16	1242E	1246	1243U	S12	E35	.613	11610	19.2	4D	-F	1	P	1243	.30	.37	E	
HUAN	16	1250	1300	1253	S09	E37	.625	11610	19.3	10	-F	1	C	1253	.15	.20	D	
GRP41294	16	1627	1637	1630	S12	E34	.600	11610	19.2	10	--F				.24		3 3 2 4	
LOCK	16	1626	1640	1630	S13	E34	.605	11610	19.2	14	-F		C					
MCMA	16	1628	1635	1630	S12	E34	.600	11610	19.2	7	-F		C	1630	.26	.30	DH	
HUAN	16	1628	1635	1631	S12	E34	.600	11610	19.2	7	-N	2	C	1631	.21	.26	D	
GRP41295	16	1756	1810	1800	N20	E55	.832	11614	20.9	14	--N				.38		2 2 1 2	
LOCK	16	1755	1810	1800	N20	E55	.832	11614	20.9	15	-N		C					
HUAN	16	1757	1806	1800	N20	E55	.832	11614	20.9	9	-N	1	C	1800	.38	.68	E	
HUAN	16	1805	1810	1807	N21	E56	.843	11614	21.0	5	-F	1	C	1807	.18	.31	D	
GRP41296	16	1831	1841	1835	S17	E35	.640	11610	19.4	10	--F				.23		4 4 3 5	
LOCK	16	1831	1842	1833	S19	E35	.652	11610	19.4	11	-F		C					
PALE	16	1831	1839	1832	S16	E36	.646	11610	19.5	8	-N	2	C		.19		F	
MCMA	16	1831	1840D	1836	S17	E35	.640	11610	19.4	9D	-N		C	1836	.26	.30	E	
HUAN	16	1832	1841	1837U	S17	E35	.640	11610	19.4	9	-N	1	P	1837	.23	.29	D	
297 LOCK	16	2133	2200	2140	S12	W34	.600	11615	14.3	27	--F		C				3	
298 LOCK	16	2150	2230	2205	S09	E36	.612	11610	19.6	40	--F		C				3	

SOLAR FLARES  
Confirmed  
NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MGMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %				
					LAT.	MER. DIST.															
6 STATIONS REPORTING GROUP 41299. 0 STATIONS OBSERVING AND NOT REPORTING.																					
GRP41299	17	0136	0233	0216	S10	E30	.536	11610	19.3	57	-B								6 5 5 6		
CULG	17	0125	0250	0206	S09	E27	.490	11610	19.1	85	-B	C	0206	2.37	2.64				FHR		
MANI	17	0135E	0230	0205	S11	E33	.581	11610	19.5	550	-N		0205	1.03	1.28						
VORO	17	0137	0236	0205	S10	E30	.536	11610	19.3	59	-B	C	0205	1.02	1.20			116	EFJ		
PALE	17	0158	0228	0207	S08	E30	.526	11610	19.3	30	-B	3 C		1.50					F		
CRON	17	0158	0220	0206	S13	E28	.528	11610	19.2	22	-N	2 C	0206	.65	.76						
KODA	17	0215	0237		S13	E28	.528	11610	19.2	22	-N	2 P	0220	1.13	1.10	1.32				E	
41299	17	0134	0208	0137	S11	E32	.568	11610	19.5	34	*-N			.42						2 2 2 5	
PALE	17	0134	0145	0136	S10	E30	.536	11610	19.3	11	-N	3 C		.52						F	
MANI	17	0135E	0230	0138	S11	E33	.581	11610	19.5	550	-N	1 C	0138	.31	.38						
GRP41303	17	1035	1057	1045	S09	E26	.476	11610	19.4	22	-N			1.03						3 3 3 8	
CATA	17	1030	1105	1050	S08	E27	.484	11610	19.5	35	-N	C	1050	.75	.86			182			
CAPS	17	1038E	10550		S08	E25	.456	11610	19.3	170	-F	3 P	1043	1.50	1.60			151			
ATHN	17	1038	1050	1040	S10	E26	.482	11610	19.4	12	-N	3 C		.83						D	
GRP41304	17	1326	1339	1331	S16	E25	.514	11610	19.4	13	--F			.35						2 2 2 5	
ATHN	17	1326	1336	1330	S16	E25	.514	11610	19.4	10	-F	3 C		.33						DH	
RAMY	17	1331E	1341	1332	S15	E25	.506	11610	19.4	100	-F	3 C		.36						D	
GRP41305	17	1752	1827	1759	S15	E23	.482	11610	19.5	35	--N			.68						4 3 2 4	
PALE	17	1750	17530	1753	S14	E26	.510	11610	19.7	30	-N	2 C		.83						F	
LOCK	17	1751	1825	1757	S15	E22	.470	11610	19.4	34	-N	C								S	
MCMA	17	1752	19150	1803	S16	E23	.491	11610	19.5	830	-N	C	1803	.52	.60					EJL	
RAMY	17	1755	1828	1801	S15	E24	.494	11610	19.5	33	-N	3 C		.84						F	
LOCK	17	1855	2000	1920	S13	E25	.490	11610	19.7	65	-F	C								S	
GRP41306	17	2359	0018	0001	S12	W46	.743	11615	14.5	19	--B			.46						2 1 1 4	
VORO	17	2359	0018	0001	S12	W46	.743	11615	14.5	19	-B	C	0001	.46	.70					87	
MANI	18	0016E	0019	0016	S11	W51	.793	11615	14.2	30	-F	2 C	0016	.31	.50						
GRP41307	18	0056	0112	0100	S15	E19	.434	11610	19.5	16	--N			.53						2 2 2 4	
MANI	18	0054	0118	0058	S16	E18	.433	11610	19.4	24	-F	2 C	0058	.41	.46						
VORO	18	0058	0106	0101	S14	E19	.423	11610	19.5	8	-B	C	0101	.65	.70				64	DHJ	
GRP41310	18	0728	0747	0733	S12	E19	.404	11610	19.7	19	-N			.89						.5 5 4 6	
CAPE	18	0727	0750	0732	S11	E19	.395	11610	19.7	23	-N	C	0732	.92	1.00						
ISTA	18	0727E	0743		S14	E17	.400	11610	19.6	150	-N									E	
CRON	18	0728	0741	0733	S14	E21	.447	11610	19.9	13	-N	2 C	0733	.43	.48						
ATHN	18	0729E	0744	0731	S11	E20	.408	11610	19.8	150	-N	3 C		1.16						F	
CATA	18	0730	0755	0735	S09	E18	.364	11610	19.7	25	-B	C	0735	1.04	1.12				209		
315 HUAN	18	1940	1951	1942	S15	E08	.329	11610	19.4	11	--F	2 C	1942	.30	.32						E 3
GRP41316	19	0607	0734	0640	N19	E19	.421	11614	20.7	87	-N			1.59							3 2 2 4
ATHN	19	0607	0712	0635	N19	E18	.410	11614	20.6	65	-N	2 C		1.32							F
TEHR	19	0615E	0650	0622	N20	E19	.432	11614	20.7	350	-N	3 C		.45							F
CATA	19	0645E	0755	0645	N18	E19	.412	11614	20.7	700	-N	P	0645	1.86	2.05				172		
GRP41317	19	0626	0703	0631	S14	W70	.947	11615	14.0	37	--N			.24							2 2 2 3
ATHN	19	0626	0714	0631	S14	W70	.947	11615	14.0	48	-N	2 C		.33							D
TEHR	19	0630E	0651	0630	S13	W69	.941	11615	14.1	210	-N	3 C		.14							D
GRP41319	19	1128	1143	1136	S14	W05	.295	11610	19.1	15	--F			.39							2 2 2 5
RAMY	19	1128	1140	1131	S13	W05	.279	11610	19.1	12	-F	3 C		.31							D
CATA	19	1135E	11450	1140	S14	W04	.290	11610	19.2	100	-N	P	1140	.46	.48				155		
GRP41320	19	1352	1403	1354	N08	W22	.384	11605	17.9	11	--N			.49							5 5 5 6
ATHN	19	1350	1405	1352	N08	W22	.384	11605	17.9	15	-N	2 C		.50							D
CAPE	19	1352	1405	1354	N09	W23	.404	11605	17.9	13	-N	C	1354	.96	1.00						
HUAN	19	1353E	1400	13530	N08	W22	.384	11605	17.9	70	-N	2 P	1353	.23	.24						D
HTRP	19	1353	1402	1355	N08	W23	.400	11605	17.9	9	-F	C	1355	.31	.30						D
RAMY	19	1354E	1401	1354	N08	W22	.384	11605	17.9	70	-N	3 C		.46							D
GRP41321	19	2014	2026	2018	S14	W08	.313	11610	19.2	12	--F			.33							2 2 1 3
HUAN	19	2013	2025	20170	S14	W08	.313	11610	19.2	12	-F	2 P	2017	.33	.35						E
LOCK	19	2015	2027	2018	S14	W08	.313	11610	19.2	12	-F	C									
GRP41324	20	0137	0155	0148	S14	W77	.978	11615	14.3	18	-N			.37							3 3 3 3
PALE	20	0132	0158	0149	S15	W79	.985	11615	14.1	26	-N	2 C		.45							
PALE	20	0132	0158	0145	S15	W79	.985	11615	14.1	26	-N	2 C		.27							F
CRON	20	0136	0150	0142	S11	W75	.969	11615	14.4	14	-F	3 V	0142	.30							
VORO	20	0142	0157	0152	S16	W76	.975	11615	14.4	15	-B	C	0152	.37	1.50				65	DJ	
VORO	20	0143	0159	0144	S14	W78	.981	11615	14.2	16	-B	C	0144	.37	1.80				70	DJ	
325 TEHR	20	0502	0510	0504	N06	W39	.630	11605	17.3	8	--F	3 C		.55							F 4



12  
Nov 71

# SOLAR FLARES

## Confirmed

### NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS					
	DATE 1971	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>0</sub>	MAX. INT. %						
					LAT.	MER. DIST.																	
326 ATHN	20	0611	0618D	0612	S14	W15	.375	11610	19.1	70	--F	2	C						F	3			
GRP41327	20	0645	0710	0657	S14	W14	.365	11610	19.2	25	--N								3	2	2	4	
TEHR	20	0627	0726	0631	S14	W15	.375	11610	19.1	59	-F	4	C						F				
CATA	20	0645E	0655D	0650	S14	W14	.365	11610	19.2	10D	-N		P	0650		.56							
ATHN	20	0652E	0701D	0654	S14	W15	.375	11610	19.2	9D	-N	2	C						D				
CATA	20	0700E	0710D	0700	S15	W13	.367	11610	19.3	10D	-N		P	0700		.63						166	
328 ATHN	20	0652E	0701D	0652	S12	W85	.997	11615	13.9	9D	-N	2	C						D			4	
GRP41330	20	0901	0914	0904	S14	W16	.386	11610	19.2	13	--N								4	4	4	10	
TEHR	20	0859	0911	0902	S15	W16	.398	11610	19.2	12	-F	3	C						F				
CATA	20	0900	0915	0905	S15	W14	.377	11610	19.3	15	-N		C	0905		.76						166	
ATHN	20	0901	0916	0904	S14	W15	.375	11610	19.3	15	-N	3	C						D				
CANR	20	0905	0905D		S13	W18	.399	11610	19.0		-N	2	V	0905		.40							
GRP41332	20	1117	1140	1120	S31	E06	.556	11613	20.9	23	--N								5	4	4	5	
HTPR	20	1112	1140	1122	S31	E05	.554	11613	20.8	28	-F		C	1122		.31	.40		E				
CAPE	20	1115	1140	1118	S31	E05	.554	11613	20.8	25	-N		C	1118		1.01	1.20						
RAMY	20	1119E	1135	1119	S32	E06	.570	11613	20.9	15D	-N	2	C						D				
CATA	20	1120	1145	1120	S30	E06	.541	11613	20.9	25	-B		C	1120		.63	.77					209	
CANR	20	1125	1125D		S21	E05	.403	11613	20.9		-N	2	V	1125		.35	.40						
GRP41333	20	1200	1249	1210	S14	W22	.457	11610	18.9	49	--F								3	3	3	6	
HTPR	20	1154	1300	1215	S13	W22	.449	11610	18.8	66	-F		C	1215		.41	.50		H				
TEHR	20	1156	1253D	1205	S12	W23	.453	11610	18.8	57D	-F	3	C						FH				
RAMY	20	1209	1235	1211	S16	W22	.476	11610	18.9	26	-N	2	C						DH				
GRP41334	20	1325	1339	1330	S13	W23	.461	11610	18.8	14	--F								4	4	4	6	
HTPR	20	1323	1340	1327	S13	W23	.461	11610	18.8	17	-F		C	1327		.31	.30		H				
CAPE	20	1325	1336	1331	S12	W24	.466	11610	18.8	11	-F		C	1331		.87	1.00		H				
RAMY	20	1326	1340	1332	S14	W23	.470	11610	18.8	14	-N	3	C						DH				
HUAN	20	1328E	1334D		S13	W23	.461	11610	18.8	5D	-F	1	P	1334		.12	.14		D				
335 CANR	20	1630	1634D		S08	E46	.732	11617	24.1	4D	--N	2	V	1634		.40	.60					2	
	20	1632	1642	NO FLARE PATROL																			
GRP41336	20	1741	1752	1745	S13	W26	.500	11610	18.8	11	--N								4	4	4	4	
RAMY	20	1741	1751	1743	S14	W26	.507	11610	18.8	10	-N	3	C						DH				
BOUL	20	1741	1753	1747	S12	W26	.493	11610	18.8	12	-N	2	C	1747		.32	.37						
PALE	20	1741	1753	1744	S13	W26	.500	11610	18.8	12	-N	3	C						H				
HUAN	20	1742	1752	1745	S13	W26	.500	11610	18.8	10	-N	2	C	1745		.33	.38		D				
GRP41337	20	2104	2119	2110	S13	W22	.449	11610	19.2	15	--F								3	3	3	4	
PALE	20	2104	2120	2111	S14	W24	.482	11610	19.1	16	-F	2	C						F				
BOUL	20	2104	2122	2110	S10	W18	.370	11610	19.5	13	-F	2	C	2110		.32	.35						
RAMY	20	2106E	2116	2108	S14	W24	.482	11610	19.1	10D	-N	2	C						D				
GRP41339	20	2320	2335	2325	S13	W23	.461	11610	19.2	15	--F								2	2	2	4	
CRON	20	2320	2330	2325	S13	W22	.449	11610	19.3	10	-N	3	V	2325		.30							
MANI	20	2320	2340	2324	S13	W23	.461	11610	19.2	20	-F	2		2324		.21	.23						
GRP41340	21	0039	0052	0042	S14	W24	.481	11610	19.2	13	--N								3	3	3	4	
CRON	21	0037	0047	0043	S13	W25	.486	11610	19.2	10	-F	2	C	0043		.22	.25						
VORO	21	0039	0053	0043	S15	W23	.477	11610	19.3	14	-B		C	0043		.46	.50		72	EJ			
MANI	21	0040	0055	0041	S13	W24	.473	11610	19.2	15	-N	2		0041		.41	.47						
343 MITK	21	0515E	0538		N15	E90	1.000	11621	28.0	23D	1B		C	0515		1.13						3	
GRP41349	21	1229	1256	1232	S17	E82	.993	11619	27.7	27	-N								2	1	1	4	
RAMY	21	1229	1256	1232	S17	E82	.993	11619	27.7	27	-N	3	C						D				
HUAN	21	1230	1257	1249	S17	E88	1.000	11619	28.1	27	-N	1	C	1249		.25			T				
GRP41351	21	1320	1330	1322	S17	E85	.997	11619	27.9	10	-N								2	2	1	6	
HUAN	21	1320	1329	1321	S17	E88	1.000	11619	28.2	9	-N	2	C	1321		.25			D				
RAMY	21	1320	1330	1322	S17	E82	.993	11619	27.7	10	-N	3	C						D				
354 HUAN	21	1455	1503	1457	S17	E87	.999	11619	28.1	8	--F	2	C	1457		.21						3	
355 HUAN	21	1512	1516	1513	N14	E86	.997	11621	28.1	4	--F	2	C	1513		.21			D			2	
356 HUAN	21	1529	1548		N14	E86	.997	11621	28.1	19	--F	1	C	1538		.45			E			2	
357 HUAN	21	1530	1541	1533	S17	E86	.998	11619	28.1	11	--F	2	C	1533		.21			D			2	
358 HUAN	21	1640	1644	1641	S17	E82	.993	11619	27.8	4	--F	2	C	1641		.18			D			3	

SOLAR FLARES  
Confirmed  
NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1971	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.												
GRP41359	21	1754	1812	1801	N14	E83	.992	11621	28.0	18	--N							4 4 2 5
LOCK	21	1751	1817	1758	N14	E82	.990	11621	27.9	25	--F							
HUAN	21	1754	1812	1801	N14	E85	.996	11621	28.1	18	-N	1	C	1801	.25			D
PALE	21	1756	1804	1801	N15	E82	.990	11621	27.9	8	-N	2	C		.19			D
RAMY	21	1800E	1815	1802	N14	E84	.994	11621	28.1	150	-N	2	C					D
GRP41360	21	1823	1835	1827	N09	W70	.939	11605	16.5	12	--F				.45			3 3 3 5
PALE	21	1821	1837	1826	N08	W68	.927	11605	16.7	16	-F	2	C		.55			F
RAMY	21	1823	1827D	1827	N09	W72	.950	11605	16.4	40	-F	2	C		.46			D
HUAN	21	1825	1833	1828	N09	W70	.939	11605	16.5	8	-F	1	C	1828	.33			
GRP41361	21	1840	1857	1847	N14	E84	.994	11621	28.1	17	-N				.33			4 4 2 5
PALE	21	1831	1853	1847	N15	E82	.990	11621	27.9	22	-N	3	C		.36			
LOCK	21	1839	1855	1845	N14	E82	.990	11621	27.9	15	-F							
HUAN	21	1845	1857	1848	N14	E85	.996	11621	28.2	12	-N	2	C	1848	.30			
RAMY	21	1846	1904	1847	N14	E85	.996	11621	28.2	18	-N	2	C					D
GRP41362	21	1943	1958	1949	N16	E84	.994	11621	28.1	15	-F				.61			4 4 3 5
LOCK	21	1940	1952	1946	N16	E82	.990	11621	28.0	12	-F							
HUAN	21	1941	1959	1950	N16	E87	.998	11621	28.3	18	-N	1	C	1950	.76			
RAMY	21	1946	2003	1950	N14	E83	.992	11621	28.0	17	-F	2	C		.52			D
BOUL	21	1946	1959	1951	N16	E82	.990	11621	28.0	13	1N	2	C	1951	.54			
GRP41364	21	2011	2022	2015	N14	E84	.994	11621	28.1	11	--F				.55			3 3 2 5
HUAN	21	2008	2029	2016	N14	E83	.992	11621	28.1	21	-F	2	C	2016	.30			D
LOCK	21	2008	2013	2010	N14	E82	.990	11621	28.0	5	-F							
BOUL	21	2016	2025	2020	N14	E86	.997	11621	28.3	9	-N	2	V	2020	.80	1.00		
GRP41368	21	2149	2156	2152	S11	W37	.630	11610	19.1	7	--F				.54			2 2 1 4
LOCK	21	2148	2155	2151	S13	W36	.627	11610	19.2	7	-F							
BOUL	21	2150	2157	2153	S08	W37	.619	11610	19.1	7	-N	2	C	2153	.54	.68		
GRP41370	21	2208	2223	2212	N16	E79	.981	11621	27.8	15	--F				.54			2 2 1 3
BOUL	21	2207	2229U	2213	N18	E79	.981	11621	27.8	220	-N	2	C	2213	.54			
LOCK	21	2208	2216	2211	N14	E79	.981	11621	27.8	8	-F							
GRP41374	22	0953	1001 (0956)		S19	E70	.950	11619	27.7	8	--F				.21			2 2 1 6
HTPR	22	0953	0956D		S19	E72	.960	11619	27.8	30	-F				.21			D
TEHR	22	0954E	1001D		S18	E68	.939	11619	27.5	70	-N	1	C					D
GRP41378	22	1201	1211	1202	S18	E73	.964	11619	28.0	10	--F				.51			2 2 2 3
RAMY	22	1158	1209	1202	S17	E71	.954	11619	27.8	11	-F	2	C		.72			D
CANR	22	1204	1213		S19	E74	.969	11619	28.1	9	-N	2	V	1204	.30	.80		
GRP41381	22	1511	1546	1515	N15	E72	.957	11621	28.1	35	1B				2.78			4 3 2 4
HUAN	22	1505E	1541D		N15	E71	.946	11621	28.0	350	2N	1	P	1510	2.53			E
MCMA	22	1511	1614	1515	N16	E70	.941	11621	27.9	63	1B	2	C	1515	1.04	3.60		EK
RAMY	22	1511	1546	1523	N15	E72	.952	11621	28.0	35	1B	2	C		2.78			ZU
CANR	22	1519	1520D	1520	N14	E74	.961	11621	28.2	10	1B	1	V					
GRP41384	22	1723	1730	1725	S17	E67	.932	11619	27.7	7	--N				.24			3 3 2 5
HUAN	22	1717	1725	1720	S17	E67	.932	11619	27.7	8	-N	1	C	1720	.21			D
LOCK	22	1725	1732	1728	S17	E67	.932	11619	27.8	7	-F							
MCMA	22	1726	1732	1727	S16	E68	.937	11619	27.8	5	-N				.26	.80		D
GRP41387	22	1801	1815	1804	S13	W48	.765	11610	19.2	14	--F				.30			2 2 2 4
HUAN	22	1800E	1807		S12	W48	.763	11610	19.1	70	-F	1	P	1800	.33	.51		
RAMY	22	1802	1823	1804	S13	W48	.765	11610	19.2	21	-F	2	C		.26			D
GRP41389	22	1810	1820	1813	S15	E61	.889	11619	27.3	10	--F				.34			3 3 2 4
MCMA	22	1810	1820D	1813	S15	E64	.910	11619	27.6	100	-F				.31	.90		
LOCK	22	1810	1817	1813	S14	E60	.879	11619	27.3	7	-F							
RAMY	22	1811	1822	1812	S15	E60	.881	11619	27.3	11	-F	1	C		.36			D
GRP41391	22	1913	1937	1918	S08	E62	.888	11619	27.5	24	--F				.68			3 3 2 3
LOCK	22	1912	1928	1918	S08	E61	.880	11619	27.4	15	-F							
RAMY	22	1914	1943	1918	S07	E62	.887	11619	27.5	29	-F	2	C		.83			D
MCMA	22	1916E	1940		S08	E62	.888	11619	27.5	240	-F				.52	1.20		EK
GRP41392	22	1937	1952	1942	S14	E59	.871	11619	27.2	15	--N				.35			4 4 3 5
HUAN	22	1933	1935D		S16	E59	.875	11619	27.2	20	-N	1	P	1934	.25	.48		D
PALE	22	1934E	1950D	1942	S13	E59	.870	11619	27.2	150	-N	3	C		.45			F
LOCK	22	1938	1945	1942	S12	E59	.868	11619	27.2	7	-F							
RAMY	22	1941	2000	1943	S16	E59	.875	11619	27.2	19	-N	2	C		.36			D
394 LOCK	22	2150	2205	2155	S12	W53	.814	11610	18.9	15	--F							3

SOLAR FLARES  
Confirmed  
NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1971 NOV	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>z</sub>	MAX. INT. %	
GRP41396	23	0111	0128	0118	S18	E65	.920	11619	27.9	17	-N			.74				4 4 4 4
MANI	23	0110	0118	0116	S18	E64	.914	11619	27.8	8	-N	2	0116	.52	1.03			
CULG	23	0111	0142	0118	S19	E64	.915	11619	27.8	31	1N	C	0118	1.59				
VORO	23	0113	0129	0116	S18	E65	.920	11619	27.9	15	-B	C	0116	.56	1.30		86	DJ
PALE	23	0118E	0122	0120	S18	E68	.938	11619	28.2	40	-N	2	C	.31				
6 STATIONS REPORTING GROUP 41397. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP41397	23	0536	0629	0604	S19	E60	.887	11619	27.7	53	1B			3.48				3 2 2 3
TEHR	23	0536	0549D		S18	E60	.885	11619	27.7	13D	1N	3	C	1.28				F
CRON	23	0539	0637	0600	S20	E59	.881	11619	27.7	58	1N	2	C	1.29	2.75			
MANI	23	0550E	0620	0608	S18	E60	.885	11619	27.7	30D	2B	2	C	0600	5.67	11.00		
41397	23	0619	0714	0642	S16	E59	.874	11619	27.7	55	*1B			2.10				3 2 2 4
ATHN	23	0619E	0707	0619	S15	E60	.880	11619	27.8	48D	1B	1	C	2.15				UH
CAPE	23	0620E	0720		S17	E58	.868	11619	27.6	60D	1B		P	0620	2.05	4.10		
CATA	23	0655E	0710D	0705	S14	E55	.836	11619	27.4	15D	2B		P	0705	5.22	9.58		202
405 HUAN	23	1932	1934	1933	S09	E46	.733	11619	27.3	2	--F	2	C	1933	.25	.36		D 3
GRP41406	23	1951	2011	1955	S12	W64	.907	11610	19.0	20	--N			.33				3 2 2 4
RAMY	23	1928	1950	1932	S12	W60	.876	11610	19.3	22	-F	2	C	.52				D
HUAN	23	1949	1957D		S13	W64	.908	11610	19.0	8D	-N	1	P	1955	.30	.68		D
PALE	23	1952	2011	1955	S11	W63	.898	11610	19.1	19	-N	3	C	.36				
407 LOCK	23	2050	2100	2053	N07	W82	.990	11605	17.7	10	--F		C					H 3
	23	2356	0003		NO FLARE PATROL													
	24	0007	0010		NO FLARE PATROL													
408 PALE	24	0124	0132	0126	S18	E46	.759	11619	27.5	8	--F	3	C	.55				F 2
409 CRON	24	0145E	0156		S10	W69	.938	11610	18.9	11D	--F	3	V	.30				2
GRP41411	24	0247	0315	0253	S10	E37	.625	11619	26.9	28	-N			1.16				3 3 3 3
PALE	24	0244E	0323	0253	S09	E40	.660	11619	27.1	39D	-N	3	C	.72				F
KODA	24	0249	0312	0253	S11	E35	.603	11619	26.7	23	1B		V	0249	2.05	2.10	1.48	E
CRON	24	0256E	0310		S09	E37	.621	11619	26.9	14D	-N	3	V	.70				
412 TEHR	24	0335	0357	0338	S10	E40	.663	11619	27.1	22	--N	2	C	.36				F 2
413 TEHR	24	0423	0441	0428	N09	E15	.285	11620	25.3	18	--N	3	C	.19				D 2
414 TEHR	24	0450	0520	0457	S09	E48	.755	11619	27.8	30	--N	4	C	.45				FD 2
415 TEHR	24	0535	0550	0539	S18	E42	.717	11619	27.4	15	--F	4	C	.19				D 2
416 TEHR	24	0544	0604	0545	S10	E48	.757	11619	27.8	20	--N	4	C	.19				D 3
GRP41419	24	0642	0657	0648	N10	E12	.250	11620	25.2	15	--N			.49				2 2 2 5
TEHR	24	0642	0654	0645	N09	E12	.241	11620	25.2	12	-N	5	C	.28				D
CATA	24	0645E	0700	0650	N10	E12	.250	11620	25.2	15D	-N		P	0650	.69	.72		168
GRP41422	24	0902	0913	0905	N13	E45	.718	11621	27.8	11	--N			.59				4 4 4 8
CANR	24	0901	0910	0904	N11	E39	.640	11621	27.3	9	-N	2	C	.54	.70			
CRON	24	0902E	0911		N13	E46	.730	11621	27.8	9D	-F	3	V	.70				
TEHR	24	0903	0922	0905	N13	E47	.741	11621	27.9	19	-N	5	C	.55				F
CATA	24	0905E	0910D	0905	N14	E46	.732	11621	27.8	5D	-B		P	0905	.58	.87		204
GRP41423	24	0932	0952	0942	S08	E45	.718	11619	27.8	20	--F			.63				2 2 2 7
TEHR	24	0928	0958	0943	S08	E45	.718	11619	27.8	30	-N	5	C	.83				UF
CANR	24	0935	0945	0940	S08	E44	.707	11619	27.7	10	-F		C	0940	.43	.61		
GRP41429	24	1121	1128	1123	S07	E37	.615	11619	27.2	7	--F			.27				3 3 3 8
RAMY	24	1120	1129	1122	S06	E37	.612	11619	27.2	9	-N	1	C	.37				D
TEHR	24	1120	1129	1123	S08	E36	.605	11619	27.2	9	-F	5	C	.19				D
HUAN	24	1122	1125	1123D	S08	E37	.618	11619	27.2	3	-F	2	C	1123	.25	.31		D
GRP41431	24	1139	1151	1141	N13	E45	.718	11621	27.9	12	--F			.36				5 5 5 8
RAMY	24	1138	1146	1141	N13	E44	.707	11621	27.8	8	-F	2	C	.46				D
CANR	24	1138	1147	1143	N12	E45	.716	11621	27.9	9	-F	2	C	1143	.22	.31		
TEHR	24	1139	1154	1142	N14	E46	.732	11621	27.9	15	-N	5	C	.28				D
HUAN	24	1139	1147	1141	N13	E46	.730	11621	27.9	8	-F	1	C	1141	.25	.36		E
CATA	24	1140	1200	1140	N14	E45	.721	11621	27.9	20	-N		C	1140	.58	.85		178
GRP41434	24	1223	1234	1226	N14	E45	.721	11621	27.9	11	--N			.30				3 3 3 7
TEHR	24	1221	1236	1226	N16	E46	.737	11621	28.0	15	-N	5	C	.19				D
RAMY	24	1223	1230	1225	N14	E44	.709	11621	27.8	7	-F	2	C	.37				D
CANR	24	1225	1236		N13	E46	.730	11621	28.0	11	-N	3	V	1226	.35	.50		





# SOLAR FLARES

## Confirmed

### NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1971	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %	
					LAT.	MER. DIST.													
GRP41481	26	1828	1853	1836	N14	E14	.319	11621	27.8	25	--N							4 4 4 4	
PALE	26	1827	1848	1837	N14	E14	.319	11621	27.8	21	-N	2	C					F	
BOUL	26	1828	1855	1836	N13	E13	.296	11621	27.7	27	-F	1	C	1836	.32	.34		E	
HUAN	26	1829	1853		N14	E13	.307	11621	27.7	24	-N	1	C	1840	.71	.75			
BOUL	26	1830	1903	1836	N16	E13	.331	11621	27.7	33	-N	2	V	1836	1.45	1.50		D	
RAMY	26	1831E	1851	1834	N15	E15	.342	11621	27.9	29	-N	3	C		.74				
482 BOUL	26	2030	2117	2045	S09	E01	.184	11619	26.9	47	1N	1	V	2045				1	
	26	2105	2107		NO FLARE PATROL														
	26	2111	2217		NO FLARE PATROL														
	26	2225	2349		NO FLARE PATROL														
	26	2400	0012		NO FLARE PATROL														
	27	0119	0136		NO FLARE PATROL														
	27	0137	0140		NO FLARE PATROL														
	27	0200	0225		NO FLARE PATROL														
483 TEHR	27	0424	0436	0435	S08	E07	.203	11619	27.7	12	--N	2	C		.41			F	3
484 TEHR	27	0446	0500	0451	S18	E03	.336	11619	27.4	14	--N	2	C		.09			D	3
485 TEHR	27	0519	0529	0523	N15	E08	.271	11621	27.8	10	--F	3	C		.13			D	4
GRP41491	27	1042E	1113	1048	S11	E01	.216	11619	27.5	31	--N				.92			3 3 3 6	
CAPS	27	1040E	1117		S14	E05	.279	11619	27.8	37	-N	2	P	1057	.70	.70	176		
TEHR	27	1042E	1057	1043	S16	W04	.307	11619	27.1	15	-N	3	C		.45			F	
HTPR	27	1047E	1107	1052	S09	E03	.188	11619	27.7	20	-F	3	C	1052	.62	.70		U	
TEHR	27	1048	1057	1053	S08	E04	.177	11619	27.7	9	-N	3	C		.45			F	
CAPS	27	1052E	1113		S08	W04	.177	11619	27.2	21	-N	2	P	1054	1.00	1.00	170	CF	
GRP41494	27	1151	1212	1204	S16	W04	.307	11619	27.2	21	--F				.38			6 4 3 7	
HTPR	27	1145	1212		S15	W04	.290	11619	27.2	27	-F		C	1200	.31	.30		D	
TEHR	27	1147E	1148	1147	S16	W05	.311	11619	27.1	10	-F	3	C		.19			F	
RAMY	27	1150	1215	1204	S16	E00	.299	11619	27.5	25	-N	3	C		.52			D	
WEND	27	1152	1210		S15	W06	.300	11619	27.0	18	-N								
CANR	27	1155	1156		S17	W06	.331	11619	27.0	10	-F	2	V	1156	.30	.30			
CAPS	27	1205E	1214		S13	W04	.258	11619	27.2	9	-N	2	S	1213	.80	.80	165	BF	
495 RAMY	27	1308	1338	1315	S15	W07	.306	11619	27.0	30	--F	3	C		.74			D	3
GRP41496	27	1605	1632	1613	N12	E02	.187	11621	27.8	27	-B				1.34			3 2 2 3	
CANR	27	1602	1637	1612	N12	E01	.185	11621	27.7	35	-B	3	C	1612	1.29	1.30			
RAMY	27	1608	1627	1613	N12	E02	.187	11621	27.8	19	-N	3	C		1.39			UF	
BOUL	27	1630E	1636		N15	E05	.250	11621	28.1	60	-F	1	V	1630	1.80	1.80			
497 PALE	27	2357E	0000	2357	N13	W02	.204	11621	27.8	30	--F	2	C		.72			F	2
498 PALE	28	0225	0231	0227	S12	W05	.245	11619	27.7	5	--F	2	C		.36			D	3
499 TEHR	28	0337E	0405	0340	S11	W16	.344	11619	27.0	28	--N	3	C		.74			FD	3
500 TEHR	28	0354	0400	0355	N16	W06	.273	11621	27.7	6	--N	3	C		.19			HF	3
501 TEHR	28	0417	0430	0421	N14	W44	.711	11620	24.9	13	--F	4	C		.09			D	3
502 TEHR	28	0432	0515	0449	S10	W10	.260	11619	27.4	43	--N	3	C		.36			F	3
503 TEHR	28	0445E	0455	0447	N15	W05	.252	11621	27.8	100	--N	2	C		.55			D	3
504 TEHR	28	0545	0600	0547	S10	W15	.321	11619	27.1	15	--N	3	C		.28			D	2
GRP41505	28	0746	0804	0749	N15	W05	.252	11621	27.9	13	--N				.84			4 4 3 5	
ISTA	28	0745	0804		N14	W04	.230	11621	28.0	19	-N							E	
BUCA	28	0746	0810		N15	W05	.252	11621	27.9	24	-N		P	0750	1.10	1.10			
CRON	28	0746	0756	0748	N14	W05	.236	11621	27.9	10	-F	3	V	0748	.60				
TEHR	28	0747	0805	0750	N17	W06	.289	11621	27.9	13	-N	4	C		.83			F	
507 TEHR	28	0806	0830	0812	S08	W26	.462	11619	26.4	24	--N	3	C		.19			D	3
GRP41508	28	0845	0849	0848	N15	W07	.265	11621	27.8	4	--N				.28			2 2 1 3	
ISTA	28	0844	0847		N14	W05	.236	11621	28.0	3	-N							D	
TEHR	28	0846	0851	0848	N15	W09	.281	11621	27.7	5	-N	4	C		.28			HF	

# SOLAR FLARES

## Confirmed

NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1971																	
	NOV																	
GRP41509	28	1052	1125	1057	N14	W09	.268	11621	27.8	33	-N						2 2 2 4	
CAPE	28	1052	1240	1057	N13	W08	.244	11621	27.9	108	-N			1.00	1.17			
TEHR	28	1053E	1125	1056	N14	W09	.268	11621	27.8	320	-N	3	C	.83	1.20		F	
GRP41510	28	1139	1231	1147	N14	W09	.268	11621	27.8	52	-B			1.77			3 3 3 3	
CAPE	28	1052	1240	1152	N14	W09	.268	11621	27.8	103	18			1.99	2.10		H	
RAMY	28	1139	1222	1144	N13	W10	.264	11621	27.7	43	-N	3	C	1.96			F	
TEHR	28	1139	1208D	1146	N15	W09	.281	11621	27.8	290	-B	3	C	1.37			FD	
513 PALE	28	1753	1757	1755	N10	W14	.283	11621	27.7	4	--F	2	C	.31			F	
514 PALE	28	1833	1841	1837	N10	W15	.297	11621	27.6	8	--N	2	C	.21				
GRP41515	28	1952	2004	1955	N17	W15	.367	11621	27.7	12	--F			.69			4 4 3 4	
LOCK	28	1951	2000	1954	N18	W14	.369	11621	27.8	9	-F		C					
PALE	28	1952	2014	1956	N13	W18	.364	11621	27.5	22	-N	2	C	.99				
RAMY	28	1952	2003D	1954	N17	W13	.346	11621	27.9	110	-F	2	C	.57			D	
HUAN	28	1954	2000D		N18	W13	.359	11621	27.9	50	-N	1	P	1956	.51	.54		
	28	2115	2129		NO FLARE PATROL													
	28	2133	2153		NO FLARE PATROL													
	28	2232	0055		NO FLARE PATROL													
516 CRON	28	2338	2348	2340	N16	W13	.334	11621	28.0	10	--F	3	V	2340	.70			1
	29	0056	0145		NO FLARE PATROL													
517 TEHR	29	0544	0555	0545	S18	E68	.937	11628	4.3	11	--F	3	C		.36			D
518 TEHR	29	0546	0553	0547	N13	W20	.392	11621	27.7	7	--N	3	C		.18			D
GRP41519	29	0640	0655	0643	N13	W19	.378	11621	27.9	15	--N			.78			6 6 6 7	
TEHR	29	0639	0658	0643	N12	W18	.357	11621	27.9	19	-B	3	C	.64			D	
ATHN	29	0639	0653	0642	N13	W20	.392	11621	27.8	14	-N	2	C	.66			D	
CAPE	29	0640	0650	0642	N13	W19	.378	11621	27.9	10	-N		C	0642	.95	1.00		
ABST	29	0640	0647D	0641	N13	W19	.378	11621	27.9	7D	-N		P	0641	1.26	1.40		
CRON	29	0641E	0649		N13	W18	.365	11621	27.9	8D	-F	2	V	.60			EV	
CATA	29	0645E	0705	0645	N11	W20	.377	11621	27.8	20D	-N		P	0645	.58	.63	186	
GRP41520	29	0943	0954	0944	N13	W21	.406	11621	27.8	11	--N			.77			6 6 6 8	
CANR	29	0942	0942D		N13	W25	.461	11621	27.5		-B	1	V	0942	.50	.50		
CRON	29	0942	0948		N13	W20	.392	11621	27.9	6	-F	2	V	.90				
CAPE	29	0943	0950	0943	N12	W21	.398	11621	27.8	7	-F		C	0943	.91	1.00		
ARCE	29	0943	0955	0945	N14	W22	.427	11621	27.8	12	-F		C	0944	.78	.90		
CATA	29	0943	0955	0943	N12	W22	.413	11621	27.8	12	-B		C	0943	.69	.77	263	
CATA	29	0943	0955	0943	N16	W19	.405	11621	28.0	12	-B		C	0943	.14	.16	219	
TEHR	29	0945E	1000	0945	N11	W20	.377	11621	27.9	15D	-B	4	C	.83			F	
GRP41521	29	1401	1408	1403	S11	E57	.848	11628	3.9	7	--F			.27			2 2 2 6	
ATHN	29	1400	1408	1402	S11	E57	.848	11628	3.9	8	-F	2	C	.33			D	
HUAN	29	1402	1407	1404	S11	E57	.848	11628	3.9	5	-F	2	C	1404	.21	.39		
GRP41522	29	1458	1526	1505	S17	W31	.581	11619	27.3	28	--F			.78			3 2 2 4	
HUAN	29	1448E	1453D		S16	W32	.587	11619	27.2	5D	-F	1	P	1451	.30	.37		
BOUL	29	1453	1530	1503	S16	W30	.563	11619	27.4	37	-F	3	V	1503	1.20	1.80		
RAMY	29	1503	1522	1506	S17	W32	.593	11619	27.2	19	-F	2	C	.36			D	
	29	1530	1542		NO FLARE PATROL													
GRP41523	29	1912	1929	1917	S08	W34	.575	11619	27.3	17	--F			.59			2 2 2 3	
BOUL	29	1912	1930	1917	S07	W34	.572	11619	27.2	18	-F	3	V	1917	.45	.50		
PALE	29	1916E	1927	1917	S09	W33	.565	11619	27.3	11D	-F	2	C	.72			F	
524 PALE	29	2049E	2101D	2050	N06	W26	.444	11621	27.9	12D	--F	2	C	.45			F	
525 PALE	29	2134E	2155	2139	N13	W68	.929	11620	24.8	21D	--F	2	C	.45			SF	
GRP41526	29	2220	2228	2221	S17	W38	.654	11619	27.1	8	--F			.53			2 2 2 2	
PALE	29	2220E	2229D	2221	S18	W38	.659	11619	27.1	9D	-N	2	C	.55			F	
BOUL	29	2220	2227	2221	S15	W37	.643	11619	27.2	7	-F	3	V	2221	.50	.60		
	29	2232	2250		NO FLARE PATROL													
	30	0335	0351		NO FLARE PATROL													
528 TEHR	30	0444E	0450	0444	S15	W39	.666	11619	27.3	5D	--N	3	C	.19				F

# SOLAR FLARES

## Confirmed

NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS				
	DATE 1971 NOV	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %					
					LAT.	MER. DIST.																
529 TEHR	30	0549	0607	0552	S11	W43	.700	11619	27.0	18	--N	3	C		.19				F	1		
530 TEHR	30	0633	0648	0638	S14	E16	.372	11625	1.5	15	--N	3	C		.09				D	3		
GRP41538	30	1518	1524	1519	S19	W48	.779	11619	27.0	5	--F				.25				2	2	1	4
HUAN	30	1516	1521	1518	S19	W47	.769	11619	27.1	5	-F	1	C	1518	.25	.39						
BOUL	30	1519	1526	1519	S18	W48	.776	11619	27.0	7	-F	3	V									
GRP41539	30	1644	1701	1644	S08	W48	.751	11619	27.1	17	--F				.57				2	2	1	3
RAMY	30	1643E	1702	1643	S08	W47	.740	11619	27.2	13D	-F	2	C		.57				D			
BOUL	30	1644	1700	1645	S07	W49	.761	11619	27.0	15	-N	3	V									
541 PALE	30	1745	1800	1746	N14	W34	.588	11621	28.2	15	--F	3	C		.19				HF	2		
542 PALE	30	1910	1925	1912	S17	W49	.783	11619	27.1	15	--F	3	C		.19				F	3		
543 HUAN	30	2013E	2019D		S04	E88	.999	11630	7.4	5D	-N	1	P	2016	.30					3		
GRP41544	30	2345	2355	2347	S17	W50	.793	11619	27.2	10	-N				.73				3	3	3	4
MANI	30	2345E	2351	2347	S18	W50	.796	11619	27.2	5D	-N	2		2347	.52	.86						
PALE	30	2345	0000D	2347	S16	W50	.790	11619	27.2	15D	-N	3	C		.55				D			
VORO	30	2345	2353	2346	S17	W50	.793	11619	27.2	3	-B		C	2346	1.11	1.50		86	EJ			

**"Remarks" :**

- A = Eruptive prominence, base at >90°.
- 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 spots visible in the neighborhood.
- H = Flare with high velocity dark surge.
- I = Very extensive active region.
- J = Plage with flare shows marked intensity variations.
- K = Several intensity maxima.
- L = Filaments show effects of sudden activation.
- M = White-light flare.

- N = Continuous spectrum shows effects of polarization.
- O = Observations have been made in the calcium II lines H or K.
- P = Flare shows helium D<sub>3</sub> in emission.
- Q = Flare shows the Balmer continuum in emission.
- R = Marked asymmetry in H $\alpha$  line.
- S = Brightening follows disappearance of filament (same position).
- T = Region active all day.
- U = Close and somewhat parallel bright filaments (|| or Y shape).
- V = Occurrence of an explosive phase.
- W = Great increase in area after time of maximum intensity.
- X = Unusually wide H $\alpha$  emission.
- Y = Onset of a system of loop-type prominences.
- Z = Major sunspot umbra covered by flare.

**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.

In the importance column "--" signifies the subflare has been confirmed by the NOAA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity. These subflares are also not included in the Flare Index below.

DAILY FLARE INDICES								
Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
711102	24.50	24.0	711114	6.08	23.7	711123	66.81	23.9
711104	32.55	24.0	711115	31.28	24.0	711124	27.61	24.0
711105	8.68	21.4	711116	17.39	24.0	711125	0.00	23.3
711108	0.00	24.0	711117	14.66	24.0	711126	32.52	20.3
711109	4.97	23.5	711118	4.18	24.0	711127	9.48	23.3
711110	2.74	24.0	711119	13.34	24.0	711128	23.28	21.0
711111	0.00	21.1	711120	2.04	23.8	711129	0.00	22.7
711112	95.13	23.4	711121	9.94	24.0	711130	3.30	23.7
711113	5.35	24.0	711122	40.79	24.0			

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



20  
Nov 71

# SOLAR FLARES

## Unconfirmed

NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.													
114 MANI	01	0030	0045	0040	S07	W60	.874	11575	27.5	15	-F	2	0040	.21	.38			5	
115 MANI	01	0334	0342	0338	N12	E80	.983	11592	7.1	8	-N	2	0338	.31	.80			4	
116 CATA	01	0855	0905	0855	S06	W64	.904	11575	27.6	10	-N	P	0855	.40	.96	162		9	
117 TEHR	01	1044E	1055	1046	S10	W64	.909	11575	27.6	11	-F	2	C				D	6	
118 HUAN	01	1242	1246		S05	W67	.924	11575	27.5	4	-F	1	P	1243	.25				6
120 HUAN	01	1405E	1412	1408	N10	E70	.937	11592	6.8	7	-F	1	P	1408	.10			D	6
122 RAMY	01	1635	1645	1637	S08	W68	.933	11575	27.6	10	-F	2	C		.26			D	4
123 HUAN	01	1729	1736	1733	S07	W70	.944	11575	27.5	7	-F	1	P	1733	.28				4
133 TEHR	02	0919	0927	0922	S05	W79	.983	11575	27.5	8	-N	4	C		.09			DR	8
134 TEHR	02	0953	1005	0955	S13	W33	.603	11579	30.9	12	-F	4	C		.19			D	8
GRP41135	02	1108	1126	1112	S11	W34	.604	11579	30.9	18	-N			.53				2 2 2 8	
RAMY	02	1107E	1125	1110	S12	W34	.609	11579	30.9	18	-N	2	C		.77			D	
TEHR	02	1108	1126	1113	S10	W33	.586	11579	31.0	18	-N	4	C		.28			FD	
GRP41136	02	1211	1228	1214	S08	W79	.984	11575	27.6	17	-F			.09				2 2 1 10	
RAMY	02	1210	1225	1212	S08	W80	.987	11575	27.5	15	-F	2	C					D	
TEHR	02	1211	1230	1215	S08	W77	.977	11575	27.7	19	-F	3	C		.09			D	
137 HUAN	02	1236	1242	1238	S12	E56	.848	11591	6.7	5	-F	1	C	1238	.21	.39		D	9
GRP41138	02	1302	1312	1304	S08	W77	.977	11575	27.8	10	-F			.09				2 2 1 8	
RAMY	02	1301	1314	1303	S08	W80	.987	11575	27.5	13	-F	2	C					D	
TEHR	02	1302	1309	1304	S07	W73	.960	11575	28.1	7	-F	3	C		.09			D	
139 HUAN	02	1329	1341	1333	S13	E53	.823	11591	6.5	12	-F	1	C	1333	.25	.43		D	8
141 CRON	02	2220	2228	2223	S14	W77	.980	11584	28.2	8	-B	3	V	2223	.35				5
142 CRON	02	2332	2350		N12	W70	.937	11577	28.7	18	-N	3	V		.50				4
144 HUAN	03	1723	1730	1725	S08	E40	.666	11591	6.7	7	-F	2	P	1725	.18	.24		D	5
145 LOCK	03	1755	1810	1800	N09	E41	.656	11592	6.8	15	-F		C						5
148 MANI	04	0427	0436	0432	N11	E35	.579	11592	6.8	9	-F	2		0432	.21	.26			4
151 TEHR	04	0948	0957	0949	N10	W47	.731	11580	31.9	9	-N	3	C		.14			D	9
152 ATHN	04	1037E	1046	1037	S09	W62	.892	11579	30.8	9	-F	2	C		.33			DH	6
156 CATA	04	1450	1500	1455	S08	E29	.520	11591	6.8	10	-N		C	1455	.17	.20	190		10
157 HUAN	04	1458	1508	1502	S12	W64	.911	11579	30.8	10	-N	2	C	1502	.38				10
158 HUAN	04	1602	1627	1607	S12	W65	.918	11579	30.8	25	-F	1	P	1607	.33	.76			4
159 HUAN	04	1702	1728	1710	S12	W65	.918	11579	30.8	26	-N	1	P	1710	.30	.68			5
160 HUAN	04	1832	1842	1836	S12	W66	.924	11579	30.8	10	-F	1	C	1836	.21				5
161 HUAN	04	1941	1945	1942	S12	W66	.924	11579	30.9	4	-F	1	C	1942	.25				4
164 HUAN	04	2035	2043	2038	N10	E26	.446	11592	6.8	8	-F	1	C	2038	.21	.23		D	4
167 VORO	05	0146	0216	0148	S12	W70	.948	11579	30.8	30	-B		C	0148	.37	1.00	69	DJK	5
169 MANI	05	0332E	0342	0332	S11	W70	.947	11579	30.9	10	-N	2		0332	1.24	2.69			4
170 MANI	05	0447E	0512	0452	S09	E21	.417	11591	6.8	25	-F	2		0452	.41	.47			6
GRP41174	05	0810	0822	0811	S08	E16	.341	11591	6.5	12	-F			.26				2 2 2 12	
ATHN	05	0809	0818	0811	S11	E15	.361	11591	6.5	9	-F	2	C		.33			D	
TEHR	05	0810	0826	0811	S04	E16	.307	11591	6.5	15	-N	2	C		.19			D	
GRP41175	05	0909	0918	0912	S07	E18	.359	11591	6.7	9	-F			.19				2 2 1 12	
ISTA	05	0908	0919		S08	E19	.382	11591	6.8	11	-F							D	
TEHR	05	0910	0917	0912	S06	E16	.323	11591	6.6	7	-N	2	C		.19			D	
176 ATHN	05	1027	1036	1029	S13	E13	.364	11591	6.4	9	-N	2	C		.17			D	10

# SOLAR FLARES

## Unconfirmed

NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1971	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.												
177 CATA	05	1110	1220	1120	S09	E22	.430	11591	7.1	70	-N	C	1120	.58	.64	182	10	
178 ATHN	05	1119	1125	1121	S10	W75	.970	11579	30.8	6	-F	2 C		.33			D 10	
179 ATHN	05	1354	1406	1356	N10	E14	.261	11592	6.6	12	-F	3 C		.33			D 10	
184 GRON	05	2257	2300		N10	E17	.307	11592	7.2	3	-F	3 V		.30			4	
186 MANI	06	0411E	0424	0415	S17	E04	.362	11591	6.5	130	-N	2	0415	.21	.22		4	
189 HUAN	07	1712	1719		N10	E23	.401	11601	9.4	7	-F	2 P	1717	.15	.17		4	
190 VORO	07	2348	0000	2352	N11	E19	.345	11601	9.4	12	-B	C	2352	.46	.50	68	DJ 4	
191 CATA	08	0705	0720	0705	N03	W61	.874	11602	3.7	15	-N	C	0705	.29	.60	166	7	
192 ATHN	08	0803E	0815	0805	N05	W63	.890	11602	3.6	120	-N	3 C		.17			D 10	
196 ATHN	09	0547	0558	0551	S08	W33	.572	11591	6.8	11	-F	3 C		.33			D 5	
197 ATHN	09	0650	0703	0654	N11	W01	.131	11601	9.2	13	-F	3 C		.17			D 6	
198 ATHN	09	0853	0859	0855	N10	E02	.118	11601	9.5	5	-F	3 C		.33			D 10	
199 ATHN	09	0951	0958	0955	S17	W90	1.000	11581	2.7	7	-F	3 C					D 9	
204 ATHN	10	0843E	0856	0843	S09	W04	.226	11596	10.1	130	-N	3 C		.33			D 5	
GRP41205	10	1414	1424	1416	S06	W53	.807	11591	6.6	10	-F			.29			2 2 1 10	
BOUL	10	1412	1422	1416	S05	W53	.805	11591	6.6	10	-F	2 V						
CATA	10	1415	1425D	1415	S06	W53	.807	11591	6.6	100	-N	P	1415	.29	.49	191		
209 MCMA	10	1815E	1845D		S08	W52	.800	11591	6.9	300	-N	P	1825	.72	1.20		E 4	
210 MCMA	10	1840	1850D		N10	E89	1.000	11605	17.5	100	-N	P	1845				D 4	
214 MANI	11	0041	0054	0043	N08	E88	.999	11605	17.6	13	-F	2	0043	.21	.64		5	
215 MITK	11	0232	0251	0234	S10	W61	.884	11591	6.5	19	-N	C	0234	.52	1.10		D 4	
216 TEHR	11	0750	0802	0752	N11	E79	.980	11605	17.3	12	-F	4 C		.09			D 7	
217 CATA	11	0950	1000	0955	N04	E03	.054	11598	11.6	10	-N	C	0955	.17	.17	160	5	
218 CATA	11	1415	1420D	1415	S12	W68	.935	11591	6.5	50	-N	P	1415	.14		155	3	
225 PALE	12	2324	2330	2324	N08	E53	.798	11605	16.9	5	-F	2 C		.19			4	
227 MANI	13	0059	0115	0100	N09	E52	.788	11605	16.9	15	-F	2	0100	.41	.66		4	
228 ATHN	13	0816	0822	0817	N06	E58	.847	11605	17.7	5	-N	3 C		.50			D 7	
229 ATHN	13	0837	0850	0840	N17	E80	.983	11611	19.4	13	-F	3 C		.33			D 8	
231 ATHN	13	1018	1031	1020	S15	E78	.982	11610	19.3	13	-N	3 C		.50			D 7	
232 ATHN	13	1155	1209	1158	N07	E57	.838	11605	17.8	14	-F	3 C		.33			D 6	
235 ATHN	13	1343	1354	1346	N11	W90	1.000	11592	6.8	11	-N	3 C					D 8	
245 TEHR	14	0504	0515	0511	S14	E67	.931	11610	19.2	11	-B	2 C		.09			D 5	
246 ATHN	14	0553E	0636	0600	S13	E67	.930	11610	19.3	430	-F	2 C		.50			D 6	
247 ATHN	14	0611	0630	0615	S16	W18	.439	11603	12.9	19	-F	2 C		.33			D 5	
GRP41250	14	0847	0906	0852	S13	E63	.903	11610	19.1	19	-F			.24			2 2 2 11	
HTPR	14	0846	0915D	0857	S14	E62	.897	11610	19.0	290	-N	C	0857	.31				
ATHN	14	0847	0856	0847	S11	E64	.908	11610	19.2	9	-F	3 C		.17			D	
GRP41252	14	0943	0959	0946	S16	E66	.927	11610	19.4	15	-N			.13			2 2 2 8	
ATHN	14	0942	1003	0944	S16	E67	.933	11610	19.4	21	-N	3 C		.17			D	
TEHR	14	0943	0954	0948	S15	E65	.919	11610	19.3	11	-N	3 C		.09			D	
253 TEHR	14	1016	1023	1020	S17	E63	.908	11610	19.2	7	-F	3 C		.19			F 9	
254 ATHN	14	1031	1103	1035	N04	W26	.438	11608	12.5	32	-F	3 C		.33			D 8	
256 TEHR	14	1235	1243	1238	S18	W20	.482	11603	13.0	8	-N	3 C		.09			D 5	

22  
Nov 71

# SOLAR FLARES

## Unconfirmed

NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS						
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLARE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %				
					LAT.	MER. DIST.																
257 ATHN	14	1240	1244	1241	S15	E65	.919	11610	19.4	4	-N	3	C	.17					D	5		
261 RAMY	14	1730E	1746		U S18	E65	.923	11610	19.6	16D	-F	2	C						D	5		
266 PALE	15	0013	0016D	0016	N01	W44	.695	11598	11.7	3D	-F	2	C	.19						4		
272 TEHR	15	0627	0632	0630	S13	W14	.360	11615	14.2	5	-F	3	C	.09					D	5		
GRP41273	15	0637	0652	0639	S14	E58	.865	11610	19.6	15	-F			.25					2	2	2	6
TEHR	15	0637	0648	0638	S15	E59	.875	11610	19.7	11	-F	4	C	.09					D			
CATA	15	0640E	0655	0640	S13	E56	.846	11610	19.5	15D	-N		P	0640	.40	.77		182				
279 HUAN	15	1739E	1743D		S13	E53	.819	11610	19.7	4D	-F	1	P	1743	.15	.27			D	4		
280 HUAN	15	1843	1853D		S16	E49	.788	11610	19.5	10D	-F	1	P	1847	.18	.28			D	4		
284 VORO	16	0120	0135	0131	N02	W66	.913	11598	11.1	15	-B		C	0131	.37	.90		66	D	5		
285 KODA	16	0255	0305	0256	S16	E45	.746	11610	19.5	10	-N		V	0258	1.93	1.90	1.36		H	6		
286 MANI	16	0316	0324	0317	S11	E48	.763	11610	19.7	8	-F	1		0317	.21	.32				5		
287 MANI	16	0325	0355	0328	S13	E48	.768	11610	19.7	30	-F	1		0328	.52	.79				6		
GRP41290	16	0805	0814	0808	S10	E41	.679	11610	19.4	9	-F				.33				2	2	1	12
TEHR	16	0804E	0812		U S09	E42	.688	11610	19.5	8D	-F	2	C						D			
ATHN	16	0806	0815	0808	S10	E40	.667	11610	19.3	9	-N	2	C		.33				D			
300 CATA	17	0805	0830	0805	S08	E28	.498	11610	19.4	25	-N		C	0805	.29	.34		166			10	
GRP41301	17	0904	0936	0912	S15	E30	.567	11610	19.6	32	-N				.51				2	2	2	7
ATHN	17	0903	0926	0908	S16	E30	.574	11610	19.6	23	-N	3	C		.50				D			
CATA	17	0905	0945D	0915	S14	E30	.560	11610	19.6	40D	-N		P	0915	.52	.63		195				
ATHN	17	0908	0922	0910	S15	E30	.567	11610	19.6	14	-N	3	C		.33				D			
302 ATHN	17	1016	1027	1019	S10	E28	.509	11610	19.5	11	-F	3	C		.33				D	9		
308 MANI	18	0124	0150	0128	S12	W52	.806	11615	14.2	25	-F	2		0128	.31	.50				4		
309 ATHN	18	0648E	0653	0648	N06	W04	.092	11605	18.0	5D	-F	2	C		.17				D	7		
311 ATHN	18	1020E	1031	1021	S14	W57	.856	11615	14.2	11D	-N	3	C		.33				D	5		
312 ATHN	18	1049	1156	1052	S14	W57	.856	11615	14.2	67	-N	3	C		.33				D	4		
313 HUAN	18	1355	1411	1358U	S11	E17	.369	11610	19.9	16	-F	1	P	1358	.10	.11			D	5		
314 HUAN	18	1935	1946	1940U	S13	W62	.894	11615	14.2	11	-N	2	P	1940	.25	.50				3		
318 ATHN	19	1114	1145	1119	S10	W69	.938	11615	14.3	31	-F	3	C		.33				D	5		
322 HUAN	19	2031	2044	2037U	S12	W77	.977	11615	14.1	13	-F	2	P	2037	.15					5		
323 BOUL	19	2117	2200	2121	S10	W80	.987	11615	13.9	43	-N	2	V	2117	.30	1.00				4		
329 ATHN	20	0840	0855	0843	N18	E09	.310	11614	21.0	15	-F	3	C		.33				D	8		
331 TEHR	20	1113	1147	1122	S05	E31	.527	11617	22.8	34	-N	4	C		.36				FS	6		
338 BOUL	20	2128	2152	2131	S17	E87	.999	11619	27.4	24	-F	2	V	2131	.40	1.20				4		
GRP41341	21	0130E	0136	0132	S12	W30	.545	11610	18.8	5	-B				.40				2	2	2	6
PALE	21	0130E	0136	0132	S12	W28	.518	11610	19.0	5D	-N	2	C		.27							
MITK	21	0133E	0134D		S12	W31	.558	11610	18.7	10	-B		P	0133	.52	.60			DH			
342 MITK	21	0416	0421D		S08	E38	.632	11617	24.0	5D	-F		P	0416	.52	.70			D	4		
344 ATHN	21	1031	1040	1034	N10	W66	.914	11605	16.5	9	-F	2	C		.33				D	4		
345 ATHN	21	1040	1046	1041	S10	E85	.997	11619	27.8	5	-N	2	C		.33				D	5		
346 ATHN	21	1058	1111	1102	N10	W67	.920	11605	16.4	13	-N	1	C		.33				D	7		
GRP41347	21	1130E	1142	1133	N10	W67	.920	11605	16.5	12	-F				.27				2	2	2	6
HUAN	21	1130E	1138		N09	W66	.913	11605	16.5	8D	-F	1	P	1131	.21	.47			D			
ATHN	21	1132E	1145D	1133	N10	W67	.920	11605	16.5	14D	-N	1	C		.33				D			
348 HUAN	21	1131	1140	1133	N14	E88	.999	11621	28.1	9	-F	1	C	1133	.21				T	7		

SOLAR FLARES  
Unconfirmed  
NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE 1971 NOV	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>0</sub>	MAX. INT. %		
					LAT.	MER. DIST.														
350 HUAN	21	1243	1250	1246	N14	E88	.999	11621	28.1	7	-F	1	C	1246	.15				D	5
352 HUAN	21	1416	1428	1418	S17	E88	1.000	11619	28.2	12	-N	2	C	1418	.33				E	5
353 CATA	21	1435E	1445D	1440	N13	E85	.996	11621	28.0	10D	-N		P	1440	.17			151		4
363 HUAN	21	1952	1956	1953	S14	E88	1.000	11619	28.4	4	-F	2	C	1953	.15				D	4
365 HUAN	21	2033	2038	2034U	N14	E83	.992	11621	28.1	5	-F	1	C	2034	.25				D	4
366 HUAN	21	2045	2102	2050	S15	E88	1.000	11619	28.5	17	-F	2	C	2050	.15				D	4
367 HUAN	21	2119	2125	2122	S17	E76	.975	11619	27.6	5	-N	2	C	2122	.15				D	4
369 BOUL	21	2154	2205	2157	N14	E85	.996	11621	28.3	11	-N	2	V	2157	1.50	1.50				4
371 PALE	22	0228	0233	0230	S13	W42	.698	11610	19.0	5	-F	2	C		.45				F	5
372 CRON	22	0324	0329		N13	E78	.978	11621	28.0	5	-N	3	V	0326	.25					6
373 ATHN	22	0657	0707	0701	S10	W43	.701	11610	19.1	10	-F	1	C		.33				DH	6
375 CANR	22	1046	1047D		N15	E78	.978	11621	28.3	1D	-N	2	V	1047	.30	.70				4
376 ATHN	22	1119	1126D	1122	S09	W46	.733	11610	19.0	7D	-F	1	C		.33				D	4
377 CANR	22	1152	1157		S19	E75	.972	11619	28.1	5	-F	2	V	1154	.15	.30				6
379 MCMA	22	1356	1405	1357	N16	E70	.941	11621	27.8	9	-N		C	1357	.31	1.20			D	4
380 HUAN	22	1424	1428D		S18	E69	.944	11619	27.8	4D	-F	1	P	1426	.30				E	4
382 LQCK	22	1602	1617	1609	N14	E74	.961	11621	28.2	15	-F		C							4
383 HUAN	22	1653	1708	1658U	S17	E61	.892	11619	27.3	15	-N	2	P	1658	.25	.54			D	4
385 HUAN	22	1736	1746	1743	S17	E61	.892	11619	27.3	10	-F	1	C	1743	.38	.84				4
386 RAMY	22	1747	1801	1749	S15	E60	.881	11619	27.2	14	-F	2	C		.67				D	4
388 HUAN	22	1803	1809	1805	S16	E60	.882	11619	27.3	5	-N	1	C	1805	.25	.52			D	4
390 HUAN	22	1824	1827		S17	E61	.892	11619	27.3	3	-F	1	P	1826	.21	.45			D	4
393 PALE	22	2005	2009	2006	S16	E66	.925	11619	27.8	4	-F	3	C		.19					5
395 PALE	23	0048E	0054	0050	N12	E69	.934	11621	28.2	5D	-N	2	C		.26					4
398 CATA	23	0655E	0710D	0705	N12	E62	.885	11621	27.9	15D	1N		P	0705	1.16	2.65		172		4
399 TEHR	23	0726E	0737		S14	W53	.818	11610	19.3	11D	-F	3	C						D	5
400 ATHN	23	0749E	0756	0749	N09	E61	.875	11621	27.9	7D	-F	2	C		.50				D	5
401 ATHN	23	0749E	0803	0752	S18	E58	.870	11619	27.7	14D	-F	2	C		.66				D	5
402 HUAN	23	1649	1705		S13	W62	.893	11610	19.1	16	-F	1	P	1653	.21	.45			D	3
403 HUAN	23	1712	1726		S12	W63	.900	11610	19.0	14	-F	1	P	1717	.25	.57			E	5
404 HUAN	23	1737	1752		S13	W62	.893	11610	19.1	15	-N	1	P	1746	.25	.54			D	4
410 MANI	24	0228E	0240	0231	N16	E38	.643	11621	27.0	12D	-F	2		0231	.31	.41				3
417 TEHR	24	0627	0648	0629	N14	E47	.743	11621	27.8	21	-F	4	C		.28				D	5
418 TEHR	24	0635	0654	0640	S08	E47	.742	11619	27.8	19	-N	5	C		.28				F	5
420 TEHR	24	0813	0822	0816	S08	E39	.644	11619	27.3	9	-F	5	C		.09				D	5
421 TEHR	24	0818	0843	0823	S07	W03	.161	11617	24.1	25	-F	5	C		.09				D	4
GRP41424	24	0943	1001	0944	N09	E10	.213	11620	25.2	18	-N				.13				2 2 2 7	
TEHR	24	0940	1001	0943	N09	E11	.227	11620	25.2	21	-N	5	C		.09				D	
CATA	24	0945	0950D	0945	N09	E09	.199	11620	25.1	5D	-N		P	0945	.17	.18		186		
GRP41425	24	0954	1006	1001	S10	E38	.638	11619	27.3	12	-N				.17				2 2 2 7	
TEHR	24	0954	1009	1001	S09	E38	.634	11619	27.3	15	-N	5	C		.19				F	
CANR	24	0954	1003		S10	E37	.625	11619	27.2	9	-N	3	V	1000	.15	.20				

SOLAR FLARES  
Unconfirmed  
NOVEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS					
	DATE 1971	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %					
					LAT.	MER. DIST.																	
426 TEHR	24	1030	1046	1031	S08	E45	.718	11619	27.8	15	-N	5	C		.45					F	5		
427 TEHR	24	1035	1114	1043	S08	E36	.605	11619	27.1	39	-B	5	G		.19					D	5		
428 TEHR	24	1035	1114	1054	S08	E36	.605	11619	27.1	39	-N	5	C		.28						6		
430 TEHR	24	1131	1140	1133	S08	E36	.605	11619	27.2	9	-N	5	C		.09					D	8		
GRP41432	24	1213	1218	1213	S08	E37	.618	11619	27.3	5	-F				.20					2	2	2	7
HUAN	24	1212	1215	1212	S08	E37	.618	11619	27.3	3	-F	2	C	1212	.21	.26				D			
TEHR	24	1213	1220	1214	S08	E36	.605	11619	27.2	7	-N	5	C		.19					D			
433 HUAN	24	1223	1227	1224	S08	E36	.605	11619	27.2	4	-F	2	C	1224	.21	.26				D	7		
435 TEHR	24	1237	1247	1240	S08	E35	.591	11619	27.2	10	-N	5	C		.19					D	7		
437 HUAN	24	1403	1417		S13	W78	.981	11610	18.7	14	-F	1	P	1411	.25						5		
438 CANR	24	1435	1446		N16	E46	.737	11621	28.1	11	-N	2	V	1436	.40	.60					6		
440 HUAN	24	1444	1448	1445	S08	E34	.578	11619	27.2	4	-F	2	C	1445	.21	.26				D	5		
442 HUAN	24	1546	1553	1547	S16	E35	.628	11619	27.3	7	-F	2	C	1547	.25	.32				E	4		
443 HUAN	24	1613	1626		S13	W80	.987	11610	18.7	13	-N	1	C	1617	.38					E	5		
GRP41463	25	1151	1205	1154	N17	E33	.586	11621	28.0	15	-N				.53					2	2	2	8
TEHR	25	1128	1205	1155	N15	E32	.563	11621	27.9	37	-N	4	C		.73					F			
ATHN	25	1151	1207	1153	N18	E33	.592	11621	28.0	15	-N	2	C		.33					D			
464 ATHN	25	1202	1238	1204	S17	E29	.561	11619	27.7	35	-F	2	C		.33					D	7		
475 TEHR	26	1037	1042	1039	S07	E18	.340	11619	27.8	5	-F	2	C		.09					D	6		
476 TEHR	26	1100	1113	1103	S15	E09	.322	11619	27.1	13	-F	1	C		.19					D	6		
478 TEHR	26	1137E	1148D	1138	S14	E11	.325	11619	27.3	11D	-F	1	C		.19					D	6		
479 RAMY	26	1333	1357	1342	N14	E16	.344	11621	27.8	24	-F	2	C		.37					D	6		
GRP41486	27	0708	0721	0715	S14	W02	.268	11619	27.1	13	-N				.36					1	1	1	4
TEHR	27	0708	0721	0715	S14	W02	.268	11619	27.1	13	-N	3	C		.36					D			
TEHR	27	0708	0721	0710	S14	W02	.268	11619	27.1	13	-F	3	C		.30					D			
487 TEHR	27	0749	0758	0750	S16	W04	.307	11619	27.0	9	-F	3	C		.09					D	4		
488 TEHR	27	0911	0918	0913	S15	W01	.283	11619	27.3	7	-N	3	C		.11					D	8		
GRP41489	27	0920	0936	0927	S16	W05	.311	11619	27.0	15	-F				.33					2	2	2	8
TEHR	27	0920	0936	0927	S16	W05	.311	11619	27.0	15	-F	3	C		.15					D			
CAPS	27	0925E	0928D		S15	W05	.295	11619	27.0	3D	-F	3	S	0926	.50	.50			155				
490 TEHR	27	1006E	1009D	1006	N13	E04	.212	11621	27.7	3D	-F	4	C		.34					F	7		
492 CAPS	27	1058E	1110D		N13	E08	.243	11621	28.1	12D	-N	2	V	1058	.40	.40			170	E	8		
493 TEHR	27	1147E	1148D	1147	N16	E03	.257	11621	27.7	1D	-N	3	C		.09					D	6		
506 TEHR	28	0750	0800	0752	S12	W18	.379	11619	27.0	10	-F	3	C		.09					D	4		
511 HUAN	28	1412	1413D		N12	W11	.264	11621	27.8	1D	-N	1	P	1412	.33	.34				D	3		
512 HUAN	28	1711E	1731D		S16	W19	.431	11619	27.3	20D	-F	1	P	1716	.30	.33				D	3		
527 PALE	29	2350E	2356D	2350	S10	W30	.528	11619	27.7	6D	-F	2	C		.45					F	5		
531 TEHR	30	0655	0702	0659	S16	W42	.705	11619	27.1	7	-N	3	C		.09					D	5		
532 ATHN	30	0714E	0720D	0716	S20	W57	.863	11619	26.0	6D	-F	2	C		.66					D	5		
533 TEHR	30	0739	0748	0741	S15	W42	.701	11619	27.2	9	-N	3	C		.13					D	5		
534 TEHR	30	0824	0834	0825	S08	W35	.588	11619	27.7	10	-F	3	C		.22					F	6		
535 ISTA	30	0855E	0930D	0903	N46	E90	1.000	11641	7.1	35D	-F									G	7		
536 TEHR	30	1147	1220	1207	S15	W42	.701	11619	27.3	33	-N	3	C		.19					F	4		
537 TEHR	30	1157	1215	1203	S14	E13	.339	11625	1.5	18	-F	3	C		.09					D	4		
540 HUAN	30	1718E	1720D		S04	E90	1.000	11630	7.5	2D	-F	1	P	1719	.18						3		