

SOLAR FLARES

Confirmed

NOVEMBER 1970

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.													
1970 NOV																			
GRP34554	01	0141	0152	0143	N23	E60	.872	11018	5.6	11	--F							2 2 2 4	
VORO	01	0141	0148	0143	N26	E60	.876	11018	5.6	7	-F	C	0143	.53	1.30		74	EJ	
CRON	01	0146	0155		N20	E60	.869	11018	5.6	9	-N	V		.65					
GRP34556	01	0213	0255	0230	N15	W48	.747	11002	28.5	42	1N			1.62				3 3 3 4	
CRON	01	0207	0232	0210	N15	W51	.780	11002	28.3	25	-N	V		.41					
CULG	01	0210	0318	0231	N17	W47	.740	11002	28.6	68	1N	C	0231	2.17	3.15				
VORO	01	0222	0238	0229	N13	W47	.733	11002	28.6	16	1N	C	0229	1.66	2.40		77	EJ	
CRON	01	0231	0249		N16	W48	.749	11002	28.5	18	-N	V		1.03					
557	CRON	01	0349	0358	0350	N16	W34	.578	11002	29.6	9	--N	1 C	0350	.11	.13			2
GRP34558	01	0547	0614	0555	S10	E13	.332	11012	2.2	27	--F			.55				2 2 2 2	
TEHR	01	0541	0618	0555	S10	E13	.332	11012	2.2	37	-F	C		.27				DE	
CRON	01	0553	0610	0555	S10	E13	.332	11012	2.2	17	-F	V		.83					
559	CRON	01	0553	0603		S09	E19	.394	11012	2.7	10	--F	V		.62				2
560	TEHR	01	0602	0610	0604	N18	E37	.625	11014	4.0	8	--F	C		.36				DE 2
GRP34562	01	0656	0742	0701	S09	E14	.331	11012	2.3	46	-N			1.54				6 6 6 6	
TEHR	01	0653	0752	0700	S09	E14	.331	11012	2.3	59	-N	C		1.27				FDE	
CATA	01	0655	0745	0700	S10	E12	.321	11012	2.2	50	-B		0700	1.44	1.52		211		
CATA	01	0655	0745	0710	S08	E18	.372	11012	2.6	50	-N		0710	.93	1.00		168		
CRON	01	0655	0725	0701	S11	E12	.334	11012	2.2	30	-N	1 C	0701	.67	.68				
TACH	01	0657	0734	0700	S09	E15	.343	11012	2.4	37	1N	C	0700	2.37	2.53	1.60	63	E	
CAPE	01	0658	0730	0702	S09	E13	.320	11012	2.3	32	-N	C	0702	1.24	1.30				
BUCA	01	0700	0755		S09	E12	.308	11012	2.2	55	-F	P	0700	1.99	2.00			B	
CRON	01	0700	0736	0705	S09	E19	.394	11012	2.7	36	-N	1 C	0705	.23	.23				
GRP34563	01	0932	0951	0942	S10	E12	.321	11012	2.3	19	--F			.40				2 2 2 6	
MONT	01	0927	0949	0941	S10	E12	.321	11012	2.3	22	-N	C	0941	.52					
TEHR	01	0937	0953	0942	S10	E11	.311	11012	2.2	16	-F	C		.27				DE	
GRP34564	01	1000	1010	1004	S11	E09	.306	11012	2.1	10	--F			1.14				2 2 2 6	
CANR	01	0958	1010	1002	S11	E08	.298	11012	2.0	12	-F	2 C	1002	.21	.21				
MONT	01	1001	1009	1006	S11	E09	.306	11012	2.1	8	-N	C	1006	2.06					
GRP34568	01	1143	1151	1145	S12	E07	.306	11012	2.0	8	--F			.34				2 2 2 6	
RAMY	01	1142	1150	1145	S12	E07	.306	11012	2.0	8	-F	C		.36				DE	
CANR	01	1143	1152	1145	S11	E07	.291	11012	2.0	9	-F	2 C	1145	.32	.32				
GRP34570	01	1205	1221	1206	N17	E34	.582	11014	4.1	16	--F			.24				2 2 2 6	
TEHR	01	1204	1224	1206	N18	E33	.574	11014	4.0	20	-F	C		.27				DEH	
CANR	01	1205	1218	1206	N16	E34	.578	11014	4.1	13	-F	2 C	1206	.21	.26				
CANR	01	1205	1218	1212	N16	E34	.578	11014	4.1	13	-F	2 C	1212	.21	.26				
6 STATIONS REPORTING GROUP 34571. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP34571	01	1211	1343	1247	N16	W50	.771	11002	28.8	92	1B			1.28				5 5 5 5	
CAPE	01	1210	1320D	1251	N16	W50	.771	11002	28.8	70D	1B		1251	1.56	2.40				
RAMY	01	1210	1345	1243	N16	W48	.749	11002	28.9	95	1B	C		.72				F	
CATA	01	1210	1340	1246	N17	W51	.783	11002	28.7	90	1B		1246	1.62	2.64		251		
CANR	01	1213	1310D	1250	N15	W50	.769	11002	28.8	57D	1B	2 C	1250	1.94	3.05			UF	
TEHR	01	1228	1323D	1243	N16	W50	.771	11002	28.8	55D	-N	C		.57					
34571	01	1211	1315	1216	N15	W49	.758	11002	28.8	64	*-N			1.06				5 5 5 6	
RAMY	01	1154	1210	1154	N15	W40	.653	11002	29.5	16	-F	C		.31				DE	
CAPE	01	1210	1320D	1216	N16	W50	.771	11002	28.8	70D	1B	P	1216	1.64	2.80			HK	
RAMY	01	1210	1345	1216	N16	W48	.749	11002	28.9	95	-N	C		1.03					
TEHR	01	1211	1223	1215	N16	W52	.791	11002	28.6	12	-N	C		1.00				DEH	
ZURI	01	1213	1218	1214	N16	W52	.791	11002	28.6	5	-N	C	1214	1.09	1.80				
CANR	01	1213	1310D	1217	N14	W49	.757	11002	28.8	57D	-N	2 C	1217	.54	.83				
577	RAMY	01	1521	1539	1524	S09	E08	.269	11012	2.2	18	--N	C		.41				DE 3
GRP34579	01	1631	1647	1637	N23	E54	.822	11018	5.7	16	--F			.31				2 2 1 4	
LOCK	01	1630	1650	1640	N23	E54	.822	11018	5.7	20	-F	C						H	
RAMY	01	1632	1643	1633	N23	E53	.813	11018	5.7	11	-F	C		.31				DE	
583	LOCK	01	2113	2125	2117	S08	W81	.990	11000	26.8	12	--F	C						H 3
GRP34585	01	2148	2206	2151	S12	E85	.998	11019	8.3	18	--F			.41				3 3 2 3	
LOCK	01	2147	2207	2151	S11	E81	.990	11019	8.0	20	-F	C		.25					
HUAN	01	2148	2153D	2150U	S13	E88	1.000	11019	8.5	5D	-F	1 C	2150	.56				D	
PALE	01	2150	2205	2153	S13	E86	.999	11019	8.4	15	-N	P							
586	PALE	01	2202	2225	2206	S11	W80	.988	11000	26.9	23	--F	C		.44				2

SOLAR FLARES

Confirmed

NOVEMBER 1970

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	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 α		MAX. INT. %
					LAT.	MER. DIST.												
	1970																	
	NOV																	
GRP34615	02	1833	1905	1838	S11	E70	.947	11019	8.0	32	--F						2 2 2 4	
RAMY	02	1832	1915	1837	S12	E70	.948	11019	8.0	43	-F	C			.54		DE	
PALE	02	1834	1855	1838	S10	E70	.946	11019	8.0	21	-F	V			.72		F	
															.36			
GRP34616	02	1858	1912	1901	S09	E69	.940	11019	8.0	14	-N				.78		3 3 2 4	
RAMY	02	1832	1915	1857	S12	E70	.948	11019	8.0	43	-N	C			.83			
BOUL	02	1858	1903	1902	S07	E68	.932	11019	7.9	5	-N	1	V					
PALE	02	1858	1917	1903	S09	E69	.940	11019	8.0	19	-N	V			.72		F	
GRP34617	02	1920	1935	1923	S11	W07	.289	11012	2.3	15	--N				.90		4 4 3 4	
LOCK	02	1918	1934	1923	S11	W07	.289	11012	2.3	16	-N	C						
RAMY	02	1920	1935	1923	S11	W06	.283	11012	2.4	15	-N	C					DE	
PALE	02	1921	1935	1925	S12	W08	.311	11012	2.2	14	-N	V			1.03		F	
BOUL	02	1922E	1929D	1922E	S10	W06	.267	11012	2.4	7D	-N	1	C	1922	.64	.64		
GRP34618	02	2015	2032	2016	S10	E67	.929	11019	7.9	17	--F				.11		2 1 1 4	
BOUL	02	2015U	2032D	2016U	S10	E67	.929	11019	7.9	17D	-F	1	C	2016	.11			
PALE	02	2022	2036	2027	S11	E64	.910	11019	7.6	14	-F	C			.31		H	
620 RAMY	02	2103	2110	2105	N16	W68	.925	11002	28.8	7	--N	C			.31		DE 3	
621 PALE	02	2125E	2144	2125E	S08	E70	.945	11019	8.1	19D	--F	C			.26		F 2	
622 LOCK	02	2158	2212	2201	N19	E14	.343	11014	4.0	14	-N	C					1	
GRP34623	02	2244	2255	2247	S33	E21	.673	11013	4.5	11	--F				.46		2 2 1 3	
LOCK	02	2243	2250	2245	S33	E21	.673	11013	4.5	7	-F	C						
PALE	02	2245	2300	2249	S33	E20	.667	11013	4.4	15	-F	C			.46			
GRP34624	02	2255	2335	2312	S15	E67	.934	11019	8.0	40	-F				1.44		2 2 1 3	
CULG	02	2255	2349	2311	S15	E67	.934	11019	8.0	54	1N	C	2311		1.44			
LOCK	02	2255	2309	2301	S11	E66	.923	11019	7.9	14	-F	C						
LOCK	02	2310	2320	2312	S18	E69	.949	11019	8.1	10	-F	C						
GRP34625	02	2355	0004	2357	S12	W09	.319	11012	2.3	9	--N				.74		3 3 2 4	
LOCK	02	2353	0005	2357	S12	W10	.327	11012	2.2	12	-N	C						
MITK	02	2355	0003	2356	S12	W10	.327	11012	2.2	8	-N	C	2356		.83	.80	E	
PALE	02	2357	0000D	2359	S12	W08	.311	11012	2.4	3D	-N	C			.65		F	
4 STATIONS REPORTING GROUP 34626.					1 STATIONS OBSERVING AND NOT REPORTING.													
GRP34626	03	0154	0211	0156	S09	W10	.285	11012	2.3	17	-N				.92		4 4 4 5	
VORO	03	0153	0202	0155	S09	W08	.266	11012	2.5	9	-F	C	0155		.56	.60	86 E	
MANI	03	0154E	0213D	0156	S10	W11	.308	11012	2.3	19D	-B	1	C	0156	1.13	1.18		
MITK	03	0154	0214	0155	S09	W12	.306	11012	2.2	20	-N	C	0155		.93	.90	E	
PALE	03	0156E	0215D	0156E	S08	W09	.261	11012	2.4	19D	-N	C			1.07		DE	
626 MANI	03	0156	0213D	0159	S06	W02	.180	11012	2.9	17D	*-N	1	C	0159	.41	.42	6	
GRP34629	03	0505	0535	0512	N20	E34	.597	11018	5.8	30	-N				.93		5 5 5 5	
TEHR	03	0503	0533	0507	N22	E35	.620	11018	5.8	30	-N	C			.36		F	
CULG	03	0504	0551D	0516	N20	E37	.634	11018	6.0	47D	1N	P	0516	1.75	2.21			
CRON	03	0505	0525	0511	N19	E31	.555	11018	5.5	20	-N	1	C	0511	.56	.65		
TACH	03	0506	0530	0509	N21	E33	.590	11018	5.7	24	-N	C	0509	.83	1.01	1.87	66 E	
MANI	03	0509E	0534	0517	N19	E32	.567	11018	5.6	25D	-N	2	C	0517	1.13	1.86		
5 STATIONS REPORTING GROUP 34633.					1 STATIONS OBSERVING AND NOT REPORTING.													
GRP34633	03	0800	0913	0848	S12	E58	.865	11019	7.7	73	-N				1.44		3 3 2 6	
BUCA	03	0755	0920		S12	E60	.881	11019	7.8	85	1N	P	0855	2.21	4.60			
ISTA	03	0805	0900		S11	E58	.863	11019	7.7	55	-B							
CRON	03	0845	0920U	0848U	S13	E56	.850	11019	7.6	35D	-N	1	C	0847	.67	1.22		
34633	03	0753	0910	0801	S12	E60	.881	11019	7.8	77	*-B				.40		2 2 2 6	
CRON	03	0750	0835U	0756U	S11	E60	.880	11019	7.8	45D	-N	1	C	0756	.33	.68		
CATA	03	0755	0910	0805	S12	E59	.873	11019	7.8	75	-B				.46	1.02	216	
34633	03	0837	0905	0839	S11	E57	.855	11019	7.6	28	*-N				.36		2 2 1 6	
TEHR	03	0835	0904	0839	S11	E59	.872	11019	7.8	29	-F	C			.36		DE	
ISTA	03	0838	0905		S10	E55	.835	11019	7.5	27	-B							
GRP34638	03	1200	1218	1208	N18	W73	.954	11002	29.0	18	--F				1.19		2 2 2 5	
RAMY	03	1200	1219	1204	N17	W73	.954	11002	29.0	19	-F	C			.83		DE	
MONT	03	1205E	1217	1211	N19	W73	.954	11002	29.0	12D	-N	C	1211		1.55			
GRP34640	03	1306	1319	1310	N19	E31	.555	11018	5.9	13	--N				.41		3 3 3 5	
RAMY	03	1304	1305	1305	N20	E28	.523	11018	5.6	1	-F	C			.46		DE	
CANR	03	1305	1323	1309	N19	E36	.617	11018	6.2	18	-N	2	C	1309	.43	.51		
CATA	03	1310	1330	1315	N18	E29	.523	11018	5.7	20	-N				.34	.41	162	

SOLAR FLARES

Confirmed

NOVEMBER 1970

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	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 Hd	MAX. INT. %	
					LAT.	MER. DIST.												
GRP34665	NOV 04	1043	1101	1046	N19	E17	.380	11018	5.7	18	--N							6 6 6 9
CANR	04	1040	1057	1043	N21	E18	.412	11018	5.8	17	-N	2	C	1043	.75	.71		
TEHR	04	1040	1111	1043	N20	E16	.379	11018	5.6	31	-N		C		.64			SF
CAPE	04	1042	1100	1048	N20	E16	.379	11018	5.6	18	-N		C	1048	.45			
HTPR	04	1043	1101	1048	N20	E18	.402	11018	5.8	18	-F		C	1048	1.16	1.30		E
CATA	04	1045	1105	1050	N13	E17	.326	11018	5.7	20	-N		C	1050	.52	.50		
ZURI	04	1045	1052	1046	N20	E16	.379	11018	5.6	7	-N		C	1046	.75	.82	182	
															.95	1.00		
GRP34667	04	1149	1200	1152	S12	W29	.545	11012	2.3	11	--N				.56			4 3 3 8
TEHR	04	1148	1200	1151	S12	W29	.545	11012	2.3	12	-N		C		.28			DE
HTPR	04	1149	1159	1152	S11	W30	.551	11012	2.2	10	-F		C	1152	.62	.70		
CANR	04	1149	1159	1152	S05	W17	.330	11012	3.2	10	-N	2	C	1152	.43	.46		
ZURI	04	1151	1152D	1152	S12	W29	.545	11012	2.3	10	-N		P	1152	.79	.90		
GRP34668	04	1232	1305	1238	S09	E44	.717	11019	7.8	33	--F				.33			4 4 3 9
TEHR	04	1232	1320D	1236	S09	E43	.705	11019	7.7	48D	-N		C		.36			F
RAMY	04	1232	1248	1239	S09	E40	.669	11019	7.5	16	-F		C		.21			DE
CANR	04	1232	1235D		S10	E46	.742	11019	8.0	3D	-N	2	V			.80		
HTPR	04	1233	1306	1239	S08	E45	.725	11019	7.9	33	-F		C	1239	.41	.60		
GRP34669	04	1252	1327	1300	S09	E45	.728	11019	7.9	35	--N				.43			6 5 4 8
TEHR	04	1232	1320	1256	S09	E43	.705	11019	7.7	48	-B		C		.73			
RAMY	04	1249	1328	1253	S09	E46	.739	11019	8.0	39	-N		C		.52			DE
CATA	04	1255	1325	1305	S11	E44	.723	11019	7.8	30	-N		C	1305	.29	.42	174	
HURB	04	1300E	1311D	1301	S08	E47	.748	11019	8.1	11D	1F						1.75	
HUAN	04	1303E	1336	1305U	S10	E46	.742	11019	8.0	33D	-N	1	P	1305	.18	.26		D
HTPR	04	1312E	1314D		S08	E45	.725	11019	7.9	2D	-F		C	1313	.52	.70		
GRP34672	04	1459	1512	1502	S11	W30	.551	11012	2.4	13	--F				.18			3 3 3 7
RAMY	04	1458	1520	1503	S12	W29	.545	11012	2.4	22	-F		C		.31			DE
BOUL	04	1459	1510	1501	S11	W30	.551	11012	2.4	11	-F	1	C	1501	.11	.13		
HUAN	04	1501E	1505	1502U	S11	W30	.551	11012	2.4	4D	-N	2	P	1502	.12	.15		D
GRP34674	04	1617	1636	1621	S10	E44	.720	11019	8.0	19	--N				.43			2 2 2 2
HUAN	04	1617	1633	1622	S10	E43	.708	11019	7.9	16	-N	2	C	1622	.23	.33		E
RAMY	04	1617	1639	1620	S09	E44	.717	11019	8.0	22	-N		C		.62			DE
GRP34675	04	1714	1740	1721	S28	W19	.601	11013	3.3	26	--F				.36			2 2 1 3
PALE	04	1709	1743	1722	S27	W17	.576	11013	3.4	34	-F		C		.36			F
BOUL	04	1718	1737	1720	S29	W20	.619	11013	3.2	19	-F	2	V					
676 PALE	04	1748	1807	1754	N17	E38	.635	11022	7.6	19	--N				.45			F 3
GRP34677	04	1859	1926	1904	S10	E42	.696	11019	7.9	27	--F				.21			2 2 2 3
PALE	04	1859	1926	1904	S09	E41	.681	11019	7.9	27	-N		C		.19			
BOUL	04	1900U	1925U	1903U	S10	E43	.708	11019	8.0	25D	-F	1	C	1903	.22	.31		
678 BOUL	04	2001	2018	2004	N12	W85	.995	11002	29.5	17	-N	2	V					3
GRP34681	04	2110	2118	2112	N12	W87	.998	11002	29.4	8	-N							2 2 0 2
PALE	04	2109	2118	2111	N12	W88	.999	11002	29.3	9	-N		C					
BOUL	04	2110	2118	2113	N12	W85	.995	11002	29.5	8	-N	2	V					
GRP34682	04	2119	2239	2147	N22	E16	.402	11018	6.1	80	1B				4.41			3 3 3 3
PALE	04	2119	2330	2149	N24	E16	.426	11018	6.1	131	2B		C		7.13			US
BOUL	04	2135E	2243D	2145	N23	E16	.414	11018	6.1	68D	1B	2	C	2145	3.00	3.32		
CRON	04	2145E	2235		N20	E15	.368	11018	6.0	50D	1B		V		3.09			
34682	04	2214	2359	2215	N26	E16	.450	11018	6.1	105	*1N				3.09			2 1 1 5
CULG	04	2214E	2359	2215	N26	E16	.450	11018	6.1	105D	1N		P	2215	3.09	3.30		
MANI	04	2325E	2359	2325	N22	E17	.412	11018	6.3	34D	1F	2		2325	2.17	2.40		
GRP34683	04	2250	2305	2252	N14	W85	.995	11002	29.6	15	1B				.80			3 3 2 3
CULG	04	2250	2314D	2252	N15	W85	.995	11002	29.6	24D	1B		C	2252	1.03			RV
PALE	04	2250	2302	2253	N13	W88	.999	11002	29.4	12	-B		C					
CRON	04	2250	2259	2251	N15	W83	.991	11002	29.7	9	1N	1	C	2251	.56			
GRP34685	05	0219	0301	0235	S18	E36	.666	11019	7.8	42	-N				.94			4 4 4 5
MITK	05	0216	0302	0237	S17	E37	.671	11019	7.9	46	-N		C	0237	1.03	1.40		E
CRON	05	0222	0300	0232	S19	E39	.704	11019	8.0	38	-N	1	C	0232	.67	.90		
KODA	05	0224E	0248D	0237	S17	E37	.671	11019	7.9	24D	-N		P	0236	1.32	1.30	1.60	CE
PALE	05	0231E	0235D	0234U	S17	E32	.615	11019	7.5	4D	-N		C		.72			F

SOLAR FLARES
Confirmed
NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND.	OBS. 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 Hc	MAX. INT. %		
					LAT.	MER. DIST.														
1970 NOV																				
GRP34740	08 0907	0919	0912	S10	W84	.996	11012	2.1	12	-N				.35					2 2 2 5	
TEHR	08 0907	0920	0912	S11	W86	.998	11012	1.9	13	-N				.36					DE	
CRON	08 0907	0918	0912	S09	W81	.990	11012	2.3	11	-N	1	C	0912	.33						
GRP34742	08 1209	1240	1215	S10	W88	1.000	11012	1.9	31	-N				1.00					2 2 2 6	
CAPE	08 1207	1235	1219	S10	W86	.998	11012	2.1	28	1N		C	1219	1.41						
CATA	08 1210	1245	1210	S10	W90	1.000	11012	1.8	35	-N			1210	.58			180		W	
GRP34744	08 1533	1551	1540	S10	W13	.323	11019	7.7	18	--N				.31					2 2 2 4	
HUAN	08 1533	1550	1539	S09	W13	.311	11019	7.7	17	-N	2	C	1539	.40	.43				D	
MCMA	08 1533	1551	1540	S10	W12	.312	11019	7.7	18	-N		C	1540	.21	.20				E	
GRP34747	08 1642	1650	1645	N14	E64	.898	11026	13.5	8	--N				.29					2 2 2 5	
CANR	08 1642	1649	1644	N14	E63	.890	11026	13.4	7	-N	1	C	1644	.21	.47					
HUAN	08 1643E	1650	1646	N14	E64	.898	11026	13.5	7D	-N	1	P	1646	.37	.85				D	
GRP34751	08 2253	2315	2302	S07	W48	.756	11021	5.4	22	--N				.37					3 3 2 4	
CRON	08 2250	2310	2301	S07	W48	.756	11021	5.4	20	-N	1	C	2301	.33	.49					
LOCK	08 2255	2325	2303	S07	W48	.756	11021	5.4	30	-F		C								
MANI	08 2258E	2310D	2302	S06	W48	.754	11021	5.4	12D	-N	2		2302	.41	.64					
GRP34757	09 1252	1306	1259	N15	W50	.772	11030	5.8	14	--F				.28					4 4 4 6	
TEHR	09 1246	1258	1247	N16	W50	.774	11030	5.8	12	-F		C		.27					DE	
HUAN	09 1252	1305	1258	N16	W50	.774	11030	5.8	13	-N	1	C	1258	.21	.31				D	
CAPS	09 1254E	1312D		N12	W50	.768	11030	5.8	18D	-F	2	V	1255	.40	.60					
CATA	09 1255	1310	1300	N15	W49	.761	11030	5.9	15	-N			1300	.23	.36				174	
	09 1505	1528	NO FLARE PATROL																	
761 HUAN	09 1535	1555	1541	S07	W58	.856	11021	5.3	20	--F	1	C	1541	.12	.23				D	2
762 HUAN	09 1605	1630	1625	N16	W53	.804	11030	5.7	25	--N	1	C	1625	.10	.17				D	3
GRP34764	09 1632	1730	1711	N16	E63	.892	11029	14.4	58	--F				.21					2 2 1 4	
HUAN	09 1632	1741D	1712	N14	E66	.913	11029	14.6	69D	-F	1	P	1712	.21					D	
BOUL	09 1707	1718	1710	N17	E60	.869	11029	14.2	11	-N	1	V								
GRP34765	09 1809	1823	1814	N15	E64	.899	11029	14.6	14	--N				.30					4 4 2 4	
HUAN	09 1803	1823	1814	N14	E65	.906	11029	14.6	20	-B	1	P	1814	.23					D	
PALE	09 1808	1822	1814	N16	E64	.899	11029	14.6	14	-N		C		.36						
LOCK	09 1810	1820	1813	N14	E66	.913	11029	14.7	10	-F		C								
BOUL	09 1813	1826	1815	N16	E60	.868	11029	14.3	13	-F	1	V								
HUAN	09 1825	1906	1832	N12	E68	.926	11029	14.9	41	-F	1	C	1832	.30					D	
GRP34767	09 1940	2001	1948	N16	W55	.823	11030	5.7	21	--F				.36					2 2 1 5	
PALE	09 1940	2001	1949U	N17	W55	.825	11030	5.7	21	-N		C		.36						
LOCK	09 1940	2000	1947	N15	W55	.822	11030	5.7	20	-F		C								
GRP34769	09 2239	2301	2245	N17	W56	.834	11018	5.7	22	-N				1.19					5 5 4 6	
CULG	09 2214E	2252D	2246	N18	W57	.844	11018	5.7	38D	1B		P	2246	1.86	3.24					
LOCK	09 2239	2255	2243	N15	W55	.822	11018	5.8	16	-N		C								
CRON	09 2239	2251	2242	N16	W56	.833	11018	5.7	12	-N	1	C	2242	.33	.58					
MANI	09 2242E	2304		N18	W53	.807	11018	6.0	22D	-F	2		2246	1.13	1.86					
MITK	09 2249E	2325	2250	N16	W58	.851	11018	5.6	36D	1F		C	2250	1.44	2.80				E	
GRP34770	09 2243	2334	2252	N17	E63	.892	11029	14.7	51	-F				1.03					2 2 2 6	
MANI	09 2243E	2306D		N17	E63	.892	11029	14.7	23D	-F	2		2252	.93	1.77					
MITK	09 2249E	2334	2252	N16	E62	.884	11029	14.6	45D	1N		C	2252	1.13	2.40				D	
GRP34773	10 0254	0321	0258	N16	E62	.884	11029	14.8	27	-N				.47					2 2 2 4	
MITK	10 0254	0307D	0258	N15	E62	.884	11029	14.8	13D	-N		C	0258	.52	1.10				E	
MANI	10 0304E	0321D		N17	E61	.877	11029	14.7	17D	-N	2		0304	.41	.76					
GRP34774	10 0257	0330	0305	S18	W29	.584	11019	7.9	33	--N				.61					4 4 4 4	
MITK	10 0255	0307D	0306	S19	W28	.581	11019	8.0	12D	-N		C	0306	.62	.80				D	
CRON	10 0259	0330	0305	S18	W29	.584	11019	7.9	31	-F	1	C	0304	.33	.40					
PALE	10 0303E	0328D	0305U	S17	W30	.588	11019	7.9	25D	-N		C		.54					F	
MANI	10 0304E	0321D		S18	W27	.562	11019	8.1	17D	-N	2		0308	.93	1.10					
775 TEHR	10 0412	0430	0415	S17	W31	.599	11019	7.9	18	--F		C		.28					DE	2
776 TEHR	10 0537	0617	0547	N16	E43	.696	11026	13.5	40	-N		C		.83					FDE	3
777 TEHR	10 0734	0745	0737	N06	E90	1.000	11035	17.1	11	-N		C		.28					F	4

SOLAR FLARES

Confirmed

NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1970	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	OMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %			
GRP34841 CANR ONDR BOUL	12	1500	1516	1502	N13	E27	.476	11029	14.7	16	--N								3 3 1 8	
	12	1458	1514	1501	N12	E27	.472	11029	14.6	16	-N	2	C	1501	.86	.98				
	12	1500	1504D		N12	E28	.486	11029	14.7	4D	-N		V	1501			2.00		CDJ	
	12	1502	1517	1502	N14	E26	.467	11029	14.6	15	-F	1	V							
843	RAMY	12	1527	1539	1529	N13	E28	.490	11029	14.7	12	--N		C		.72			DE	3
844	RAMY	12	1619	1639	1625	N09	E79	.980	11035	18.6	20	--F		C					DE	3
GRP34845 RAMY PALE CANR	12	1722	1736	1723	N13	E27	.476	11029	14.7	14	-N				1.08				3 3 3 4	
	12	1719	1739	1721	N13	E27	.476	11029	14.7	20	-N		C		1.14				F	
	12	1723	1733	1725	N13	E27	.476	11029	14.7	10	-N		C		1.34					
	12	1723E	1728D		N12	E28	.486	11029	14.8	5D	-N	1	C	1723	.75	.86				
GRP34846 RAMY LOCK	12	1746	1754	1748	N13	E22	.404	11029	14.4	8	--F				.52				2 2 1 3	
	12	1745	1752	1747	N13	E22	.404	11029	14.4	7	-N		C		.52				DE	
	12	1746	1756	1749	N13	E21	.390	11029	14.3	10	-F		C							
847	RAMY	12	1758	1812	1800	N09	E79	.980	11035	18.7	14	--F		C					DE	3
848	LOCK	12	1810	1825D	1820	N15	W82	.989	11018	6.6	15D	--F		C						3
849	RAMY	12	1853	1902	1855	N11	E23	.408	11029	14.5	9	--F		V		.52			DE	2
GRP34850 MCMA LOCK	12	1946	2006	2003	N18	E26	.492	11029	14.8	20	--F				1.03				2 1 1 3	
	12	1946E	2006D		N18	E26	.492	11029	14.8	20D	-F		P	1947	1.03	1.10			BE	
	12	1958	2020	2003	N13	E19	.361	11029	14.3	22	-F		C							
GRP34851 LOCK HUAN	12	2039	2048	2042	N09	E63	.890	11035	17.6	9	--F				.37				2 2 1 3	
	12	2038	2050	2041	N09	E63	.890	11035	17.6	12	-F									
	12	2039	2045	2042	N09	E62	.882	11035	17.5	6	-N	1	C	2042	.37	.81			D	
852	LOCK	12	2100	2135	2112	N15	W82	.989	11018	6.7	35	--F		C						2
854	PALE	12	2148	2208	2201	N07	E89	1.000	11035	19.6	20	-N		C		.45				2
855	PALE	12	2201E	2208	2201	N16	W90	1.000	11018	6.2	7D	-N		C		.84				2
4 STATIONS REPORTING GROUP 34856.					0 STATIONS OBSERVING					AND NOT REPORTING.										
GRP34856 CULG CRON PALE	12	2302	0107	2349	N23	E25	.519	11029	14.8	125	-N				1.96				3 2 2 4	
	12	2302	0107	2353	N23	E26	.530	11029	14.9	125	1N		C	2353	2.06	2.30				
	12	2320	0009	2330	N20	E25	.494	11029	14.8	49	-N	1	C	2330	.56	.62				
	12	2344E	0000D	2344E	N22	E24	.499	11029	14.8	16D	-N		C		1.86				F	
34856 LOCK CULG CRON	12	2224	2355	2247	N15	E21	.404	11029	14.5	91	*-F				.89				3 2 1 4	
	12	2215	0005D	2248	N15	E21	.404	11029	14.5	110D	1F		C							
	12	2224	2344	2302	N17	E20	.407	11029	14.4	80	1N		C	2302	3.20	3.41			L	
	12	2232	2344	2246U	N15	E21	.404	11029	14.5	72	-N	1	C	2246	.89	.94				
GRP34858 CULG CRON TEHR KODA MITK	13	0335	0452	0400	S13	E54	.829	11032	17.2	77	1B				2.73				5 4 4 5	
	13	0332	0517	0357	S10	E53	.813	11032	17.1	105	2N		C	0357	3.20	5.58				
	13	0338	0440	0400U	S14	E53	.822	11032	17.1	62	-B	1	C	0400	1.00	1.69				
	13	0338	0454	0345	S11	E54	.825	11032	17.2	76	-B		C		.36				F	
	13	0343E	0427D	0407	S14	E53	.822	11032	17.1	44D	1N		P	0414	5.05	5.10	1.96		EK	
	13	0351E	0438	0354	S12	E55	.836	11032	17.3	47D	1B		C	0354	1.65	2.90			E	
GRP34860 CULG MITK CRON	13	0522	0530	(0527)	N16	E06	.245	11026	13.7	8	-F				.83				3 1 1 4	
	13	0450	0558D	0549	N20	E09	.326	11026	13.9	68D	1N		P	0549	3.61	3.50				
	13	0522	0530D		N16	E06	.245	11026	13.7	8D	-F		C	0527	.83	.80			D	
	13	0528	0615	0632U	N15	E07	.238	11026	13.8	47	-N	1	C	0632	.44	.43				
GRP34866 RAMY TEHR HURB CAPS CANR KIEV LVOV UCCL	13	1107	1130	1109	N13	E01	.173	11026	13.5	23	-N				2.34				8 8 7 8	
	13	1106	1138	1109	N14	E03	.196	11026	13.7	32	-B		C		1.79				U	
	13	1106	1131	1107	N13	E02	.175	11026	13.6	25	-N		C		1.37				F	
	13	1107E	1118	1108	N14	W02	.192	11026	13.3	11D	1N						2.47			
	13	1107E	1126D		N12	E00	.155	11026	13.5	19D	-B	2	P	1109	2.00	2.00		196	C	
	13	1107	1134	1109	N13	E02	.175	11026	13.6	27	-B	2	C	1109	1.40	1.40				
	13	1107	1115	1109	N14	E01	.190	11026	13.5	8	1F		C	1108	3.61	3.60		55	EI	
	13	1108E	1143D	1114	N14	E00	.189	11026	13.5	35D	1F		C	1120	3.09	3.82		55	E	
	13	1110	1131	1110	N13	E02	.175	11026	13.6	21	1N		C	1110	3.09	3.20			EIJ	

SOLAR FLARES
Confirmed
NOVEMBER 1970

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 α		MAX. INT. %		
					LAT.	MER. DIST.														
1970 NOV																				
GRP34867	13	1136	1154	1138	N12	E12	.256	11029	14.4	18	--N			.91					6 6 6 10	
CANR	13	1134	1158	1138	N11	E11	.233	11029	14.3	24	-N	2	C	1138	.98	.98				
CAPE	13	1135	1154	1138	N13	E12	.266	11029	14.4	19	-N		C	1138	1.70	1.80			FH	
RAMY	13	1135	1155	1140	N12	E12	.256	11029	14.4	20	-N		C		.93				F	
TEHR	13	1135	1151	1137	N11	E11	.233	11029	14.3	16	-N		C		.28				DE	
CATA	13	1135E	1140D	1135	N10	E13	.312	11029	14.5	50	-B			1135	.29	.30		243		
CATA	13	1135E	1140D	1135	N10	E11	.224	11029	14.3	50	-N			1135	.75	.78		195		
UCCL	13	1139	1152	1141	N09	E11	.215	11029	14.3	13	-N		C	1141	.52	.60			DIJ	
CATA	13	1150E	1225D	1205	N15	E12	.289	11029	14.4	35D	-B			1205	1.56	1.64		226	T	
GRP34869	13	1356	1417	1402	S13	E49	.780	11032	17.3	21	-N				1.09				5 5 5 6	
CAPE	13	1356	1415	1400	S13	E48	.769	11032	17.2	19	-N		C	1400	1.19	1.90				
CANR	13	1356	1419	1402	S12	E47	.756	11032	17.1	23	-N	2	C	1402	.75	1.14				
MCMA	13	1356	1400D		S12	E50	.787	11032	17.3	4D	-N		C	1400	.52	.90			E	
RAMY	13	1356	1418	1406	S12	E48	.766	11032	17.2	22	-N		C		.93				DE	
UCCL	13	1357	1417	1359	S15	E50	.795	11032	17.3	20	1N		C	1359	2.06				E	
GRP34870	13	1402	1417	1404	N15	E15	.325	11029	14.7	15	--F				.52				2 2 2 6	
RAMY	13	1401E	1421	1403D	N15	E15	.325	11029	14.7	20D	-N		C		.52				DE	
UCCL	13	1402	1412	1404	N15	E15	.325	11029	14.7	10	-F		C	1404	.52	.60			HIJ	
GRP34873	13	1622	1657	1643	N15	E09	.256	11029	14.4	35	--F				.41				2 2 1 3	
HUAN	13	1555	1643	1623	N15	E14	.313	11029	14.7	48	-N	1	P	1623	.41	.42			E	
LOCK	13	1615	1655	1640	N16	E07	.252	11029	14.2	40	-F		C							
HUAN	13	1628	1658	1645	N16	E08	.261	11029	14.3	30	-F	1	C	1645	.61	.63			E	
HUAN	13	1632	1652	1638	N10	E09	.196	11029	14.4	20	-F	1	C	1638	.25	.25			D	
GRP34874	13	1629	1636	1632	N09	E53	.798	11035	17.7	7	--N				.34				2 2 2 3	
HUAN	13	1628	1634	1632	N09	E53	.798	11035	17.7	6	-N	1	C	1632	.25	.41			E	
CANR	13	1629	1638	1631	N09	E52	.788	11035	17.6	9	-N	2	C	1631	.43	.70				
GRP34875	13	1655	1728	1702	N13	E01	.173	11026	13.8	33	-N				1.36				4 4 3 6	
LOCK	13	1653	1745	1705	N12	E01	.156	11026	13.8	52	1N		C							
HUAN	13	1655	1717D	1702	N13	E02	.175	11026	13.9	22D	-B	1	C	1702	1.68	1.71			E	
CANR	13	1655	1720	1658	N12	E01	.156	11026	13.8	25	-N	2	C	1658	1.50	1.50				
PALE	13	1658	1720	1702	N14	E00	.189	11026	13.7	22	-N		C		.90					
34875	13	1705	1723	1715	N14	E05	.207	11026	14.1	18	*-B				1.33				3 2 2 6	
MCMA	13	1656E	1723D		N12	E02	.158	11026	13.9	27D	1B		P	1723	2.48	2.40			EFH	
RAMY	13	1657E	1734	1658U	N14	E02	.192	11026	13.9	37D	-B		C		1.88				F	
RAMY	13	1657E	1712	1702U	N14	E04	.201	11026	14.0	15D	-N		C		.62				DE	
HUAN	13	1714	1717D	1715	N15	E07	.238	11026	14.2	3D	-N	1	P	1715	.18	.18			D	
GRP34876	13	1747	1808	1754	N16	E12	.300	11029	14.6	21	--F				.93				3 3 2 4	
LOCK	13	1745	1807	1755	N17	E12	.313	11029	14.6	22	-F		C							
RAMY	13	1748	1808	1754	N16	E12	.300	11029	14.6	20	-F		C		1.35				DE	
HUAN	13	1749	1755D	1753	N16	E13	.312	11029	14.7	6D	-N	1	P	1753	.50	.52			E	
877	RAMY	13	1800	1816	1803	N15	E45	.718	11035	17.1	16	--F		C		.41				DE 3
878	LOCK	13	1855	1910	1903	N17	E12	.313	11029	14.7	15	--F		C						3
879	PALE	13	1913	2014	1957	S22	E13	.472	11036	14.8	61	--N		C		.45				2
880	LOCK	13	1930	2000	1936	N13	W02	.175	11026	13.7	30	--F		C						2
GRP34881	13	1932	1951	1941	N17	E13	.323	11029	14.8	19	--N				.62				2 2 1 2	
LOCK	13	1932	1951	1940	N16	E11	.290	11029	14.6	19	-N		C							
RAMY	13	1940E	1943D	1942U	N18	E14	.346	11029	14.9	3D	-N		V		.62				DE	
882	LOCK	13	1934	1940	1937	N10	E52	.789	11035	17.7	6	-N		C						2
883	LOCK	13	2110	2125	2115	N16	E11	.290	11029	14.7	15	--F		C						1
884	LOCK	13	2120	2127	2122	N10	E52	.789	11035	17.8	7	-N		C						1
885	PALE	13	2221	2250	2228	N15	E43	.695	11035	17.2	29	-N		C		.90				F 2
GRP34886	13	2300	2342	2308	N16	E09	.270	11029	14.6	42	-B				1.74				5 4 3 5	
LOCK	13	2235E	2245D	2235E	N16	E11	.290	11029	14.8	10D	-F		C							
CULG	13	2244	2348	2307	N17	E10	.293	11029	14.7	64	1B		C	2307	3.09	3.00				
MANI	13	2258	2337	2305	N16	E08	.261	11029	14.6	39	-B	1	C	2305	1.13	1.08				
CRON	13	2300	2340	2312U	N14	E10	.254	11029	14.7	40	-N	1	C	2311	1.00	.97				
CRON	13	2300	2340	2305	N14	E10	.254	11029	14.7	40	-N	1	C	2305	.44	.43				
PALE	13	2303	2304D		N16	E09	.270	11029	14.6	1D	-N		C						F	
GRP34888	14	0102	0132	0106	N16	E05	.240	11029	14.4	30	-N				1.75				2 2 2 5	
MANI	14	0100	0132D	0107	N16	E05	.240	11029	14.4	32D	1B	1	C	0107	2.48	2.54				
VORO	14	0103	0127D	0105	N15	E05	.225	11029	14.4	24D	-F		C	0105	1.02	1.00		101	EJ	

SOLAR FLARES Confirmed

NOVEMBER 1970

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.												
	1970																	
	NOV																	
GRP34889	14	0134	0210	0143	N15	E11	.279	11029	14.9	36	1F						4 4 4 5	
MITK	14	0133	0150D	0136	N16	E11	.291	11029	14.9	17D	-F	C	0136	2.75			D	
CRON	14	0134	0215U	0143	N15	E12	.290	11029	15.0	410	-F	1 C	0143	.72	.70			
KODA	14	0135E	0155D	0146	N15	E07	.239	11029	14.6	200	2N	C	0144	.44	.43		I	
MANI	14	0142E	0204	0145	N15	E12	.290	11029	15.0	220	-N	1	0145	8.59	8.60	1.60		
GRP34890	14	0203	0225	0204	N14	E07	.225	11029	14.6	22	--F						2 1 1 5	
MITK	14	0203	0225	0204	N14	E07	.225	11029	14.6	22	-F	C	0204	.83	.80		E	
MANI	14	0214	0250D		N14	E06	.216	11029	14.5	36D	-N	2	0225	1.34	1.36			
GRP34891	14	0300	0335	0305	N15	E07	.239	11029	14.7	35	-N						3 2 2 6	
CULG	14	0254	0338	0259	N13	W03	.181	11029	13.9	44	1N	C	0259	.93			U	
MITK	14	0300	0335	0305	N14	E07	.225	11029	14.6	35	-N	C	0305	2.68	2.60		E	
MANI	14	0310E	0315D		N15	E07	.239	11029	14.7	50	-N	2	0311	.93	.96			
GRP34892	14	0440	0529	0450	N16	E06	.247	11029	14.6	49	-N						4 3 3 7	
CRON	14	0440	0542	0450	N16	E06	.247	11029	14.6	62	-N	1 C	0449	1.40	1.66	1.62		
TEHR	14	0448E	0525	0448U	N15	E07	.239	11029	14.7	37D	-N	C		1.09			FDE	
MITK	14	0451E	0520	0452	N16	E05	.240	11029	14.6	29D	-N	C	0452	1.44	1.50		E	
MANI	14	0508E	0534		N15	E04	.219	11029	14.5	260	1N	2	0519	2.32	2.36			
GRP34896	14	0808	0840	0817	N15	E01	.209	11029	14.4	32	-N						6 6 5 8	
BUCA	14	0805	0905		N16	E01	.226	11029	14.4	60	-N	P	0816	1.04	1.70			
TEHR	14	0806	0829	0811	N14	W02	.194	11029	14.2	23	-F	C		1.66			DE	
CRON	14	0809	0845	0818	N14	E01	.192	11029	14.4	36	-N	1 C	0817	.64				
MANI	14	0813	0844	0822	N16	E00	.225	11029	14.3	31	-N	2	0822	1.11	1.08			
ABST	14	0814E	0826	0817	N16	E05	.240	11029	14.7	12D	-N	P	0817	.88	.89		D	
CANR	14	0815E	0830D		N15	E00	.208	11029	14.3	15D	-N	3 V		.90	.90	88		
34896	14	0835	0912	0844	N15	W01	.209	11029	14.3	37	*1N			2.00			4 4 4 8	
CATA	14	0810	0920D	0850	N15	W01	.209	11029	14.3	70D	1B		0850	2.43	2.50	219	T	
ABST	14	0834E	0907	0842	N15	W01	.209	11029	14.3	33D	1N	P	0842	2.70	2.80	70	F	
TEHR	14	0835	0910	0840	N14	W02	.194	11029	14.2	35	-N	C		.51			FDE	
HTPR	14	0836E	0900D		N17	E02	.244	11029	14.5	24D	1N	C	0845	2.37	2.30			
GRP34897	14	0926	0949	0932	N16	E03	.231	11029	14.6	23	-N						4 4 4 6	
ABST	14	0919	0957	0929	N16	E04	.235	11029	14.7	38	1N	C	0929	1.74	3.60		F	
TEHR	14	0922	0948	0928	N16	E03	.231	11029	14.6	26	-N	C		3.51			FDE	
CATA	14	0930E	0940D	0935	N17	E02	.244	11029	14.5	10D	-B		0935	.55			T	
CANR	14	0931	0943	0935	N16	E03	.231	11029	14.6	12	-N	1 C	0935	1.62	1.68	246		
GRP34898	14	0935	1005	0943	N14	E38	.631	11035	17.2	30	-N						3 3 3 6	
TEHR	14	0935	1002	0943	N15	E38	.634	11035	17.2	27	-N	C		1.14			DE	
KODA	14	0942E	0944D		N14	E39	.643	11035	17.3	2D	1N	P	0943	.28			E	
CRON	14	0945E	1007		N14	E37	.618	11035	17.2	22D	-F	V		2.52	2.50			
GRP34900	14	1140	1223	1205	N16	W15	.337	11026	13.4	43	-B						2 2 2 4	
CATA	14	1140E	1220D	1205	N17	W14	.336	11026	13.4	40D	1B		1205	1.72	2.33	204		
RAMY	14	1202E	1223	1205	N15	W15	.326	11026	13.4	21D	-N	C		2.20			DE	
GRP34901	14	1200	1229	1205	N17	E02	.244	11029	14.7	29	-N						3 3 3 4	
TEHR	14	1159	1232D	1204	N17	E02	.244	11029	14.6	33D	-N	C		.93			DEH	
CATA	14	1200	1220D	1205	N17	E01	.243	11029	14.6	20D	-B		1205	.28				
RAMY	14	1202E	1226	1206	N17	E03	.247	11029	14.7	24D	-N	C		1.16	1.19	246	DE	
GRP34902	14	1232	1335	1236	N15	W03	.214	11029	14.3	63	1N						4 3 3 5	
CATA	14	1230	1335	1247	N14	W03	.198	11029	14.3	65	-B		1247	2.41	1.67	232		
RAMY	14	1232E	1237D	1236U	N15	W03	.214	11029	14.3	5D	-B	C		1.62			DE	
LVOV	14	1232E	1300D	1236	N14	W05	.209	11029	14.1	28D	1F	P	1238	1.96			BCE	
CANR	14	1235E	1320	1237	N15	W01	.209	11029	14.4	45D	1N	1 C	1237	2.58	3.35	56		
GRP34903	14	1359	1428	1406	N17	E02	.244	11029	14.7	29	-B						3 2 2 3	
RAMY	14	1347E	1409D	1347U	N18	E01	.260	11029	14.6	22D	-N	V		3.08			DE	
CANR	14	1359E	1419D	1402U	N16	E02	.228	11029	14.7	20D	-N	1 C	1402	1.03	1.61			
MONT	14	1404E	1428D	1409	N17	E01	.243	11029	14.7	24D	1B	C	1409	1.61				
	14	1419	1420		NO FLARE PATROL													
	14	1428	1432		NO FLARE PATROL													
GRP34904	14	1436	1441	1439	S12	E33	.589	11032	17.1	5	1N						2 1 1 2	
MONT	14	1436	1441D	1439	S12	E33	.589	11032	17.1	5D	1N	C	1439	3.40				
RAMY	14	1442E	1451D	1447U	S11	E32	.570	11032	17.0	9D	-N	C		1.35			UDE	
	14	1441	1442		NO FLARE PATROL													
	14	1451	1509		NO FLARE PATROL													
905 HUAN	14	1509E	1515D	1509U	S11	E35	.609	11032	17.3	6D	--F	1 P	1509		.33	.42	D	

SOLAR FLARES

Confirmed

NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Hg	MAX. INT. %
					LAT.	MER. DIST.													
1970 NOV																			
GRP34906	14	1509	1520	1512	N17	E02	.244	11029	14.8	11	-B						2 2 2 2		
HUAN	14	1509E	1515D	1509U	N17	E02	.244	11029	14.8	6D	-B	1	P	1509	1.02	.72		E	
RAMY	14	1511E	1520D	1515U	N16	E01	.226	11029	14.7	9D	-N		C		1.34			DE	
	14	1520	1557	NO FLARE PATROL															
907 HUAN	14	1603	1609D	1605	N17	W01	.243	11029	14.6	6D	--N	1	P	1605	.50	.51		E	
	14	1609	1612	NO FLARE PATROL															
GRP34908	14	1611	1642	1614	N16	E00	.225	11029	14.7	31	-N				1.90			3 3 2 4	
CANR	14	1611E	1639D	1614U	N16	E00	.225	11029	14.7	28D	-N	1	C	1614	1.94	1.94			
LOCK	14	1612E	1642	1612	N16	E00	.225	11029	14.7	30D	1N		C					DE	
RAMY	14	1613E	1633D	1615U	N17	E00	.242	11029	14.7	20D	-N		C		1.86				
GRP34909	14	1656	1705	1659	N06	E56	.828	11035	18.9	9	--N				.33			3 3 2 3	
LOCK	14	1655	1706	1659	N06	E55	.818	11035	18.8	11	-N		C					DE	
RAMY	14	1657E	1705	1658	N07	E57	.838	11035	19.0	8D	-N		C		.41			DE	
HUAN	14	1657	1705	1659	N06	E56	.828	11035	18.9	8	-N	1	C	1659	.25	.44		E	
GRP34910	14	1705	1721	1712	N16	E00	.225	11029	14.7	16	--N				.62			3 3 2 4	
LOCK	14	1645	1719	1710	N16	E01	.226	11029	14.8	34	-F		C						
HUAN	14	1646	1715	1649	N17	E02	.244	11029	14.8	29	-N	1	C	1649	.45	.47		E	
HUAN	14	1700	1722D	1711	N16	E01	.226	11029	14.8	22D	-N	1	C	1711	.21	.21		D	
HUAN	14	1703	1718	1705	N16	W07	.254	11029	14.2	15	-N	1	C	1705	.15	.16		D	
RAMY	14	1712	1814	1715	N17	W02	.244	11029	14.6	62	-N		C		1.03				
5 STATIONS REPORTING GROUP 34911. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP34911	14	1716	1817	1726	N17	W03	.247	11029	14.5	61	-N				2.20			2 2 1 3	
RAMY	14	1712	1814	1726	N17	W02	.244	11029	14.6	62	1N		C		2.20			UDE	
LOCK	14	1720	1820	1726	N16	W03	.231	11029	14.5	60	-N		C						
34911																			
PALE	14	1738	1811	1739	N16	E01	.226	11029	14.8	33	*-N				.81			2 2 1 4	
BOUL	14	1737E	1810	1740	N17	E02	.244	11029	14.9	33D	-N		C		.81			F	
	14	1738	1812	1738	N15	W01	.209	11029	14.7	34	1N	1	V						
34911																			
LOCK	14	1806	1834	1814	N14	W07	.225	11029	14.2	28	*-F				.37			2 2 1 4	
HUAN	14	1800	1834	1814	N13	W07	.211	11029	14.2	34	-F		C					D	
	14	1811	1824D	1813	N14	W07	.225	11029	14.2	13D	-N	1	C	1813	.37	.38			
3 STATIONS REPORTING GROUP 34913. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP34913	14	1827	1911	1833	N16	W01	.226	11029	14.7	44	--N				.92			3 3 2 4	
LOCK	14	1825	1850	1832	N16	W01	.226	11029	14.7	25	-N		C						
HUAN	14	1826E	1840D	1829U	N17	E01	.243	11029	14.8	14D	-N	1	P	1829	.38	.39		E	
RAMY	14	1831	1931D	1837	N16	W03	.231	11029	14.5	60D	-N		C		1.45			UDE	
34913																			
RAMY	14	1841	1922	1905	N16	W04	.235	11029	14.5	41	*-F				.83			2 2 1 3	
LOCK	14	1831	1931	1910	N16	W03	.231	11029	14.5	60	-N		C		.83				
LOCK	14	1850	1913	1900	N15	W05	.225	11029	14.4	23	-F		C						
LOCK	14	1905	2020	1922	N17	W04	.251	11029	14.5	75	-F		C						
LOCK	14	1905	2020	2000	N17	W04	.251	11029	14.5	75	-F		C						
GRP34914	14	1841	1854	1843	S11	E25	.478	11032	16.7	13	--N				.78			3 3 2 4	
LOCK	14	1840	1852	1842	S11	E24	.464	11032	16.6	12	-N		C						
RAMY	14	1840	1854	1842	S10	E25	.471	11032	16.7	14	-B		C		.57			DE	
PALE	14	1842	1856	1844	S11	E25	.478	11032	16.7	14	-N		C		.99			F	
GRP34915	14	2018	2040	2022	N15	W08	.248	11029	14.2	22	--N				.81			3 3 2 3	
LOCK	14	2015	2042	2022	N14	W09	.244	11029	14.2	27	-N		C						
BOUL	14	2018	2033	2020	N15	W10	.268	11029	14.1	15	-N	2	C	2020	.43	.43			
PALE	14	2020	2046	2023	N16	W09	.271	11029	14.2	26	-N		C		1.18			F	
LOCK	14	2030	2100	2050	N16	E00	.225	11029	14.9	30	-F		C						
GRP34916	14	2134	2137	2134	N17	E00	.242	11029	14.9	3	--N				1.63			3 3 1 3	
LOCK	14	2132	2137	2133	N16	W01	.226	11029	14.8	5	-N		C						
BOUL	14	2133	2137	2133	N18	E01	.260	11029	15.0	4	-N	2	V					F	
PALE	14	2136	2245	2137	N17	W01	.243	11029	14.8	69	-F		C		1.63				
GRP34917	14	2156	2218	2201	N15	E31	.542	11035	17.2	22	-N				1.60			4 4 2 4	
PALE	14	2154	2216	2202	N15	E31	.542	11035	17.2	22	1N		C		2.17			FDE	
LOCK	14	2156	2225	2200	N15	E32	.555	11035	17.3	29	-N		C						
BOUL	14	2159	2212	2200	N16	E31	.547	11035	17.2	13	-N	2	V						
CRON	14	2202E	2218		N14	E30	.524	11035	17.2	16D	-N		V		1.03				
GRP34918	14	2235	2248	2238	N18	W03	.264	11029	14.7	13	--F				.93			2 2 1 4	
MANI	14	2234E	2252		N18	W02	.261	11029	14.8	18D	-N	1		2237	.93	.95			
LOCK	14	2235	2244	2238	N17	W03	.247	11029	14.7	9	-F		C						

SOLAR FLARES

Confirmed

NOVEMBER 1970

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.												
	1970																	
NOV																		
GRP34919	14	2300	2323	2304	N17	W03	.247	11029	14.7	23	-F						2 2 1 4	
LOCK	14	2300	2319	2304	N16	W03	.231	11029	14.7	19	-F							
MANI	14	2300	2327		N18	W03	.264	11029	14.7	27	1N	2	2307	2.17	2.23			
GRP34924	15	0150	0159	0154	N04	E48	.742	11035	18.7	9	--F						2 2 2 5	
PALE	15	0150	0159	0153	N05	E48	.742	11035	18.7	9	-F							
CRON	15	0150	0159	0154	N03	E48	.742	11035	18.7	9	-F	2	0154	.23	.32			
GRP34925	15	0204	0219	0209	N15	W13	.303	11029	14.1	15	--F						3 3 3 5	
PALE	15	0203	02110	0209	N16	W14	.326	11029	14.0	80	-F						F	
MANI	15	0204	0225	0210	N15	W13	.303	11029	14.1	21	-N	2	0210	.62	.65			
VORO	15	0205	0213	0208	N15	W12	.291	11029	14.2	8	-F		0208	.46	.48	87	D	
GRP34928	15	0414	0434	0420	N17	W12	.316	11029	14.3	20	--N						2 2 2 4	
MANI	15	0413	0435	0420	N16	W12	.303	11029	14.3	22	-N	2	0420	.41	.43			
TEHR	15	0414	0433	0419	N17	W11	.305	11029	14.4	19	-N						DE	
GRP34929	15	0519	0613	0523	N17	W09	.287	11029	14.5	54	-N						4 4 4 4	
MANI	15	0447	0514		N16	W08	.264	11029	14.6	27	-N	2	0503	.93	.97			
KODA	15	0454E	05200	0519	N17	W07	.271	11029	14.7	260	1N	S	0454	2.69	2.70	1.80	I	
MANI	15	0517E	05500		N16	W10	.282	11029	14.5	330	-N	2	0548	1.65	1.71			
CRON	15	0520	0615	0523	N17	W09	.287	11029	14.5	55	1N	2	0523	2.22	2.16			
TEHR	15	0527E	0611	0527U	N16	W10	.282	11029	14.5	440	-N			.64			DE	
10 STATIONS REPORTING GROUP 34930. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP34930	15	0655	0856	0757	N16	W11	.293	11029	14.5	121	1N						7 7 6 8	
TACH	15	0614E	09060	0754	N18	W12	.328	11029	14.4	1720	2N							
CAPE	15	0628	0850	0756	N16	W10	.282	11029	14.5	142	1B		0756	3.24	3.40			
BUCA	15	0655	1020		N17	W11	.305	11029	14.5	205	2N	P	0756	8.86	9.20		LU	
TEHR	15	0736E	09030	0757	N16	W12	.303	11029	14.4	870	1N	C		4.83			FDE	
CATA	15	0750E	10200	0755	N15	W12	.291	11029	14.4	1500	2B		0755	5.10	5.34	394	TZ	
CANR	15	0752E	10400	0755U	N15	W09	.259	11029	14.7	1680	2B	1	0755	5.16	5.16			
CRON	15	0806E	0845	0806E	N17	W11	.305	11029	14.5	390	-N	2	0806	1.33	1.28			
34930	15	0622	0905	0706	N15	W13	.303	11029	14.3	163	*1B						8 6 6 9	
TACH	15	0614E	09060	0652	N18	W12	.328	11029	14.4	1720	2N	C	0754	11.55	12.07	4.02	99	
CATA	15	0620E	06450	0640	N15	W12	.291	11029	14.4	250	-B		0640	1.73	1.82	240	FJKZ	
CRON	15	0625	07240	0646	N13	W11	.257	11029	14.4	590	1N	2	0646	2.66	2.56		TZ	
CAPE	15	0628	0850	0655	N15	W12	.291	11029	14.4	142	1B	C	0655	2.54	2.70		IK	
TEHR	15	0633	07130	0636	N13	W09	.233	11029	14.6	400	-N	C		.73			FDE	
MANI	15	0640E	07200		N14	W12	.280	11029	14.4	400	1B	2	0654	3.71	3.90	2.24	IK	
KODA	15	0652E	07260	0655	N15	W14	.315	11029	14.2	340	1B	S	0653	2.70	2.70			
CAPS	15	0744E	08550		N15	W15	.300	11029	14.2	710	3B	2	0819	12.00	12.60		270	
GRP34931	15	0952	1014	1000	N15	W22	.420	11026	13.8	22	--N						2 2 2 6	
CATA	15	0945	10200	1000	N15	W21	.407	11026	13.8	350	-B		1000	1.16	1.28	209		
TEHR	15	0959	1008	1000	N15	W23	.434	11026	13.7	9	-F			.28			DE	
GRP34933	15	1145	1204	1151	N18	W17	.383	11029	14.2	19	--F						2 2 2 6	
RAMY	15	1144	11540	1149	N18	W18	.395	11029	14.1	100	-F			.48				
CANR	15	1146	1204	1153	N17	W16	.361	11029	14.3	18	-N	2	1153	.43	.46		DE	
GRP34934	15	1315	1330	1318	N16	W11	.293	11029	14.7	15	--N						3 3 3 4	
RAMY	15	1313	1330	1316	N18	W13	.338	11029	14.6	17	-N			.69				
CANR	15	1316	1331	1318	N15	W13	.303	11029	14.6	15	-N	1	1318	.83	.45		DE	
CATA	15	1320E	13300	1320	N17	W13	.326	11029	14.6	100	-B		1320	.43	.86	219		
RAMY	15	1331	1348	1335	N15	W03	.216	11029	15.3	17	-F			.80			DE	
GRP34935	15	1321	1343	1327	N16	E22	.428	11035	17.2	22	--F			.53			2 2 2 4	
CANR	15	1320	1345	1327	N15	E22	.420	11035	17.2	25	-N	2	1327	.64	.71			
RAMY	15	1321	1340	1326	N16	E22	.428	11035	17.2	19	-F			.41			DE	
GRP34937	15	1510	1533	1516	N16	W14	.326	11029	14.6	23	--N			.84			2 2 2 3	
RAMY	15	1505	1536	1515	N16	W15	.338	11029	14.5	31	-N			.93			DE	
CANR	15	1515	1530	1516	N16	W12	.303	11029	14.7	15	-N	1	1516	.75	.79			
GRP34938	15	1557	1640	1604	N06	E39	.629	11035	18.6	43	--F			1.25			2 2 1 4	
RAMY	15	1552	17040	1603	N08	E38	.618	11035	18.5	720	-F			1.25			DE	
LOCK	15	1601	1615	1605	N04	E39	.629	11035	18.6	14	-F							
GRP34939	15	1606	1624	1613	N19	W13	.351	11029	14.7	18	--F						2 2 0 4	
BOUL	15	1604	1623	1610	N20	W10	.337	11029	14.9	19	-F	1						
LOCK	15	1608	1625	1615	N17	W16	.361	11029	14.5	17	-F							
GRP34940	15	1630	1638	1632	N15	W16	.340	11029	14.5	8	--F			1.14			2 2 1 4	
RAMY	15	1629	1638	1631	N15	W16	.340	11029	14.5	9	-N			1.14			DE	
LOCK	15	1630	1638	1633	N14	W15	.318	11029	14.6	8	-F							

SOLAR FLARES

Confirmed

NOVEMBER 1970

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.													
1970 NOV																			
GRP34961	16	0740	0810	0746	N17	W23	.449	11029	14.6	30	-N						2 1 1 7		
CRON	16	0740	0810	0746	N17	W23	.449	11029	14.6	30	-N	1	C	0746	.56	.64			
CATA	16	0746E	0855	0805	N17	W25	.475	11029	14.4	69D	1B			0805	2.02	2.30	209	T	
GRP34962	16	0823	0842	0829	N06	E32	.531	11035	18.7	19	--F				.84			3 3 3 5	
BUCA	16	0819	0853		N07	E33	.547	11035	18.8	34	-F		C	0828	1.66	1.90			
CATA	16	0825	0840	0830	N07	E31	.518	11035	18.7	15	-N			0830	.52	.61	174		
CRON	16	0825	0834	0827	N04	E31	.515	11035	18.7	9	-F	1	C	0827	.33	.38			
GRP34963	16	0924	1049	0956	N15	W27	.489	11029	14.4	85	2N				7.43			11 9 8 11	
ARCE	16	0850	0932D		N17	W29	.528	11029	14.2	42D	1N		P	0925	2.77	3.20		TF	
ISTA	16	0920	1004		N16	W25	.469	11029	14.5	44	1N								
BUCA	16	0922	1108		N14	W27	.484	11029	14.4	106	2B		C	1002	10.63	12.10			
CATA	16	0925E	1125D	0955	N17	W27	.502	11029	14.4	120D	2B			0955	5.51	6.36	251	TZ	
CANR	16	0927E	1050U	0952	N12	W27	.474	11029	14.4	83D	2B	2	C	0952	6.88	7.84			
CRON	16	0928	1021D	0952	N15	W28	.503	11029	14.3	53D	1N	2	C	0952	4.43	4.95			
UCCL	16	0932E	1109	0952	N17	W27	.502	11029	14.4	97D	3N		P	0952	9.28	13.10		FI	
MONT	16	0935E	1032D	0952	N18	W27	.508	11029	14.4	57D	2B		C	0952	7.22				
LOCA	16	0940E	1115	0955	N14	W25	.456	11029	14.5	95D	3N		P	0955	11.55	13.10			
TEHR	16	0955E	1030D	0958U	N16	W27	.495	11029	14.4	35D	1N		C		3.93			F	
MEUD	16	0957E	1030D	1009	N15	W25	.462	11029	14.5	33D	2N		C	1009	6.91	8.00		UZ	
7 STATIONS REPORTING GROUP 34964. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP34964	16	1045	1118	1054	S11	E08	.274	11032	17.0	33	1N				1.94			5 5 4 5	
BUCA	16	1029	1110		S12	E10	.305	11032	17.2	41	1F		P	1052	2.21	2.30			
LOCA	16	1040	1120D	1100	S10	E10	.279	11032	17.2	40D	1N		S	1100	2.10	2.20			
CATA	16	1045	1125D	1050	S10	E07	.251	11032	17.0	40D	-B			1050	.87	.90	204		
UCCL	16	1045	1109D	1051	S11	E05	.252	11032	16.8	24D	1N		P	1051	2.58	2.80		E	
CANR	16	1050	1115		S10	E07	.251	11032	17.0	25	-F	3	V			.90			
34964	16	1100	1142	1105	S10	E10	.279	11032	17.2	42	*-F				.83			2 1 1 7	
RAMY	16	1100E	1142	1105	S10	E10	.279	11032	17.2	42D	-F		C		.83			DE	
ABST	16	1126E	1133D	1129	S10	E11	.289	11032	17.3	7D	-F		P	1129	1.08	1.10		DJ	
GRP34965	16	1126	1137	1128	N17	W23	.449	11029	14.8	11	--F				.96			3 2 2 6	
RAMY	16	1100E	1137	1102	N15	W32	.557	11029	14.1	37D	-F		C		1.67			DE	
ABST	16	1126E	1133D	1128	N17	W23	.449	11029	14.8	7D	-F		P	1128	1.35	1.50		DJ	
HUAN	16	1126E	1135	1128	N16	W23	.442	11029	14.8	9D	-N	2	P	1128	.57	.63		D	
GRP34967	16	1211	1348	1228	N16	W27	.495	11029	14.5	97	1B				4.05			7 6 6 7	
HUAN	16	1209	1324D	1227	N17	W29	.528	11029	14.3	75D	2B	2	P	1227	7.02	8.17		E	
CANR	16	1210	1300U	1228	N12	W27	.474	11029	14.5	50D	1B	2	C	1228	3.20	3.70			
RAMY	16	1211	1348	1228	N17	W28	.515	11029	14.4	97	1B		C		3.84			F	
MONT	16	1213	1220D	1217	N17	W27	.502	11029	14.5	7D	1N		C	1217	3.09				
MEUD	16	1215E	1217D		N15	W26	.476	11029	14.6	2D	-N		C	1217	1.65	1.90			
CAPS	16	1219E	1233D		N16	W26	.482	11029	14.6	14D	2B	1	P	1220	5.50	6.30	246		
TEHR	16	1242E	1242D	1242U	N16	W28	.509	11029	14.4		1N		C		2.19			F	
GRP34969	16	1240	1251	1243	N06	E28	.471	11035	18.6	11	--F				.41			2 2 2 5	
RAMY	16	1239	1255	1243	N05	E28	.470	11035	18.6	16	-F		C		.41			DE	
HUAN	16	1240	1247	1242	N06	E28	.471	11035	18.6	7	-F	2	C	1242	.40	.46		E	
GRP34970	16	1337	1407	1342	N17	W26	.489	11029	14.6	30	1B				2.20			5 5 5 6	
CAPE	16	1336	1410	1342	N17	W26	.489	11029	14.6	34	1B		C	1342	2.01	2.30			
MONT	16	1337	1408	1341	N18	W28	.521	11029	14.5	31	1B		C	1341	4.54				
RAMY	16	1337	1406	1342	N18	W23	.457	11029	14.8	29	-N		C		1.03			DE	
HUAN	16	1339E	1405	1340U	N16	W27	.495	11029	14.5	26D	1B	1	P	1340	2.42	2.77		E	
CATA	16	1345E	1355D	1345	N17	W25	.475	11029	14.7	10D	-B			1345	.98	1.13	251	T	
HUAN	16	1403	1411	1404	N15	W31	.543	11029	14.3	8	-N	2	C	1404	.53	.63		D	
HUAN	16	1404E	1407	1404U	N15	W29	.517	11029	14.4	3D	-F	2	P	1404	.25	.32		D	
972	RAMY	16	1548	1602	1550	S06	E83	.993	11041	22.9	14	--F		C					DE
GRP34973	16	1642	1730	1710	N15	W26	.476	11029	14.7	48	--F				.37			2 2 1 4	
LOCK	16	1642	1730	1705	N13	W21	.393	11029	15.1	48	-F		C						
HUAN	16	1714E	1717D	1715	N16	W30	.535	11029	14.5	3D	-F	1	P	1715	.37	.44		D	
GRP34974	16	1720	1740	1724	S12	E06	.274	11032	17.2	20	--F				.33			2 2 1 4	
LOCK	16	1720	1740	1725	S12	E06	.274	11032	17.2	20	-F		C						
HUAN	16	1721E	1731D	1723	S11	E06	.259	11032	17.2	10D	-F	1	P	1723	.33	.34		E	
GRP34975	16	1754	1814	1758	N16	W34	.587	11029	14.2	20	--F				.41			2 2 1 2	
LOCK	16	1753	1810	1756	N15	W34	.583	11029	14.2	17	-F		C						
RAMY	16	1755	1817	1759	N17	W33	.579	11029	14.3	22	-N		C		.41			DE	
976	RAMY	16	1805	1835	1808	S06	E80	.986	11041	22.8	30	--F		C					DE

SOLAR FLARES

Confirmed

NOVEMBER 1970

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.												
	1970																	
	NOV																	
GRP34995	17	0642	0735	0713	N14	E00	.197	11035	17.3	53	1N						6 6 5 6	
TEHR	17	0640	0732	0712	N14	E00	.197	11035	17.3	52	-N	C						
ABST	17	0642	0736	0712	N15	E01	.215	11035	17.4	54	1N	C	0712	3.60	3.70		E	
TACH	17	0642	0740	0714	N15	E00	.214	11035	17.3	58	1N	C	0714	4.28	4.35	2.25	60	E
CRON	17	0645	0735	0713U	N13	E01	.181	11035	17.4	50	-N	1 C	0712	.89	.86			
ONDR	17	0703	0712D		N15	W01	.215	11035	17.2	9D	3F	V	0710			2.50		C
CRIM	17	0720E	0734D		N14	E01	.198	11035	17.4	14D	1F	P	0722	3.10	3.20			EJ
9 STATIONS REPORTING GROUP 34996. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP34996	17	0731	0940	0744	N16	W38	.639	11029	14.5	129	2B			5.51				7 7 7 7
TEHR	17	0729	0843D	0737	N17	W39	.655	11029	14.4	74D	1B	C		4.47				F
TACH	17	0730	0916D	0744	N18	W39	.659	11029	14.4	106D	2N	C	0744	8.84	11.87	5.04	96	TZ
ABST	17	0732	0921D	0749	N17	W38	.643	11029	14.5	109D	2B	P	0749	5.40	7.20			FJK
CRON	17	0732	0900U	0737	N16	W36	.614	11029	14.6	88D	1B	1 C	0736	2.95	3.11			FI
CRIM	17	0733	0840D		N16	W41	.675	11029	14.2	67D	2B	P	0738	6.30	8.30			
CAPS	17	0736E	0825D		N15	W36	.610	11029	14.6	49D	2B	2 P	0741	5.00	6.50		312	
CANR	17	0749E	0940U	0751U	N15	W39	.648	11029	14.4	111D	2B	1 C	0751	6.02	7.95			
34996	17	0752	0844	0758	N17	W40	.667	11029	14.3	52	*1B			6.27				2 2 2 9
MONT	17	0752E	0844	0755	N16	W39	.651	11029	14.4	52D	2B	C	0755	9.28				
CATA	17	0755E	0825D	0800	N17	W40	.667	11029	14.3	30D	1B		0800	3.25	4.24		295	Z
GRP34997	17	0901	0922	0907	N15	E00	.214	11035	17.4	21	-F			1.96				2 2 2 6
MONT	17	0901	0928	0911	N15	W01	.215	11035	17.3	27	1N	C	0911	3.40				
CRON	17	0901	0916	0902	N15	E01	.215	11035	17.5	15	-F	V		.52				
GRP34998	17	0911	0921	0916	S11	W08	.272	11032	16.8	10	--F			.72				2 2 2 4
MONT	17	0911	0920	0916	S11	W09	.281	11032	16.7	9	-N	C	0916	1.13				
CRON	17	0913E	0921		S10	W07	.249	11032	16.9	8D	-F	V		.31				
GRP34999	17	1010	1024	1014	N07	E22	.380	11035	19.1	14	--N			.61				4 4 4 5
TEHR	17	1008	1023D	1012	N04	E21	.358	11035	19.0	15D	-N	C		.45				DE
MONT	17	1009	1020D	1016	N05	E24	.408	11035	19.2	11D	-N	C	1016	1.13				
CANR	17	1009	1028	1013	N04	E22	.375	11035	19.1	19	-N	2 C	1013	.43	.46			
CRON	17	1012	1022		N13	E21	.394	11035	19.0	10	-F	V		.41				
GRP35000	17	1033	1104	1047	N19	W39	.663	11029	14.5	31	-F			1.02				4 3 3 6
CANR	17	1033	1057	1045	N20	W37	.644	11029	14.7	24	-N	2 C	1045	.54	.70			
ABST	17	1040E	1102D	1043	N14	W42	.682	11029	14.3	22D	1F	C	1043	2.25	3.10			EJ
TEHR	17	1050E	1112	1052U	N22	W37	.653	11029	14.7	22D	-F	C		.27				DE
HUAN	17	1102E	1115D	1103	N17	W41	.679	11029	14.4	13D	-N	2 P	1103	.98	1.23			E
HUAN	17	1102E	1115D	1103U	N17	W36	.618	11029	14.8	13D	-F	2 P	1103	.51	.73			D
GRP35003	17	1127	1144	1134	N17	W42	.690	11029	14.3	17	--N			.69				3 3 2 7
RAMY	17	1125	1143	1129U	N17	W43	.702	11029	14.3	18	-F	C		.93				DE
TEHR	17	1125	1142D	1139	N17	W39	.655	11029	14.6	17D	-N	C		.45				DE
CANR	17	1131	1145		N17	W45	.725	11029	14.1	14	-N	2 V		.70				
GRP35004	17	1149	1214	1153	N15	W40	.660	11029	14.5	25	1N			2.05				7 7 6 8
CAPF	17	1147E	1200D		N15	W42	.685	11029	14.3	13D	1N	P	1153	2.27	3.08			EJ
ABST	17	1147E	1202D	1152	N15	W41	.672	11029	14.4	15D	1N	P	1152	2.70	3.70			DE
RAMY	17	1148	1208	1153	N16	W41	.675	11029	14.4	20	-N	C		1.71				FJ
ONDR	17	1149E	1205		N14	W43	.694	11029	14.3	16D	2N	V	1152			3.10		F
TEHR	17	1150E	1210	1151	N17	W42	.690	11029	14.3	20D	-N	C		1.55				
CANR	17	1150	1215	1155	N14	W35	.593	11029	14.9	25	-N	1 C	1155	.54	.67			
CAPS	17	1151	1230D		N15	W35	.597	11029	14.9	39D	1B	3 P	1155	3.50	4.50		237	F
GRP35005	17	1207	1216	1209	S10	W61	.883	11043	12.9	9	--F			.43				3 3 2 7
ONDR	17	1206E	1215		S09	W60	.874	11043	13.0	9D	-F	V	1208			2.00		CD
RAMY	17	1207	1216	1209	S09	W62	.890	11043	12.9	9	-N	C		.31				DE
CANR	17	1207	1217	1209	S11	W60	.876	11043	13.0	10	-F	1 C	1209	.54	1.13			
GRP35007	17	1214	1236	1217	N14	W03	.203	11035	17.3	22	--F			.53				3 3 3 6
TEHR	17	1213	1243D	1217	N14	W03	.203	11035	17.3	30D	-N	C		.55				DE
RAMY	17	1215	1233	1217	N15	W03	.220	11035	17.3	18	-F	C		.72				DE
CANR	17	1215	1233	1218	N13	W03	.187	11035	17.3	18	-F	1 C	1218	.32	.32			
009 RAMY	17	1252	1311	1256	S08	W63	.897	11043	12.8	19	--F	C		.31				DE 4
GRP35012	17	1450	1504	1452	N16	W37	.626	11029	14.8	14	--N			.37				3 3 3 5
RAMY	17	1449	1508	1453	N17	W38	.643	11029	14.8	19	-F	C		.36				DE
CANR	17	1449	1505	1451	N16	W37	.626	11029	14.8	16	-N	1 C	1451	.43	.55			
BOUL	17	1451	1459	1453	N16	W37	.626	11029	14.8	8	-N	1 C	1453	.32	.42			
GRP35013	17	1520	1549	1526	N06	E18	.313	11035	19.0	29	--N			.65				3 3 2 3
BOUL	17	1520	1531D	1522	N05	E17	.294	11035	18.9	11D	-N	2 C	1522	.32	.32			
CANR	17	1520	1545	1525	N05	E18	.311	11035	19.0	25	-N	1 C	1525	.97	1.02			
RAMY	17	1526E	1552	1530U	N08	E19	.336	11035	19.1	26D	-N	C						DE

SOLAR FLARES
Confirmed
NOVEMBER 1970

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 Hg	MAX. INT. %	
					LAT.	MER. DIST.													
1970 NOV																			
GRP35014	17	1535	1555	1538	N16	W42	.687	11029	14.5	20	-N			.76				3 3 2 3	
BOUL	17	1534	1555	1537	N16	W44	.711	11029	14.3	21	-N	2	V					DE	
RAMY	17	1535	1601	1538	N17	W40	.667	11029	14.6	26	-N		C						
CANR	17	1535	1550	1538	N14	W42	.682	11029	14.5	15	-N	1	C	1538	.75	1.03			
GRP35015	17	1549	1619	1556	S11	W07	.264	11032	17.1	30	--N			.78				3 3 3 4	
CANR	17	1548	1612	1553	S11	W08	.272	11032	17.1	24	-N	1	C	1553	.97	.97		DE	
RAMY	17	1550	1613D	1554	S10	W07	.249	11032	17.1	23D	-N		C		.93				
BOUL	17	1550	1632U	1600	S12	W07	.279	11032	17.1	42D	-F	1	C	1600	.43	.43			
GRP35017	17	1755	1837	1801	N16	W45	.722	11029	14.4	42	1N			2.07				6 5 4 6	
LOCK	17	1752	1830	1800	N15	W46	.731	11029	14.3	38	-N		C					DE	
PALE	17	1755	1832D	1804	N16	W46	.733	11029	14.3	37D	1N		C		2.06			E	
MCMA	17	1755	1815D	1801	N16	W45	.722	11029	14.4	20D	1B		C	1801	1.55	2.30		DE	
BOUL	17	1755	1845	1759	N16	W44	.711	11029	14.4	50	1N	1	C	1759	2.26	3.25		F	
RAMY	17	1756	1843	1802	N17	W45	.725	11029	14.4	47	1B		C		2.40			E	
HUAN	17	1811E	1816D	1812U	N16	W47	.745	11029	14.2	5D	-N	1	P	1812	.25	.36		E	
HUAN	17	1831E	1837D	1831U	N15	W48	.753	11029	14.2	6D	-N	1	P	1831	.83	1.23		E	
HUAN	17	1844	1855	1846U	N16	W43	.699	11029	14.6	11	-F	1	C	1846	.21	.29		D	
GRP35018	17	1828	1838	1831	S07	W65	.911	11043	12.9	10	--F			.43				4 4 3 5	
LOCK	17	1827	1838	1830	S08	W66	.918	11043	12.8	11	-F		C						
PALE	17	1828E	1837	1830U	S05	W63	.894	11043	13.0	9D	-N		V		.52			DE	
RAMY	17	1828	1839	1831	S08	W65	.911	11043	12.9	11	-N		C		.46				
BOUL	17	1829	1838	1832	S07	W65	.911	11043	12.9	9	-F	1	C	1832	.32				
GRP35019	17	1843	1903	1849	N07	E12	.220	11035	18.7	20	--F			.72				2 2 1 4	
LOCK	17	1843	1905	1850	N06	E11	.199	11035	18.6	22	-F		C					UDE	
RAMY	17	1843	1900	1848	N08	E13	.242	11035	18.8	17	-F		C		.72				
GRP35020	17	1850	1903	1854	N07	W03	.092	11035	17.6	13	--F			.31				2 2 2 4	
RAMY	17	1849	1907	1853	N07	W04	.103	11035	17.5	18	-F		C		.31			DE	
HUAN	17	1850	1859	1855	N06	W02	.068	11035	17.6	9	-F	1	C	1855	.30	.30		0	
GRP35021	17	1941	1949	1944	N18	W42	.694	11029	14.7	8	--F			.41				2 2 1 4	
LOCK	17	1938	1950	1940	N17	W42	.690	11029	14.7	12	-F		C					DE	
RAMY	17	1944	1947	1947U	N18	W42	.694	11029	14.7	3	-N		C		.41				
4 STATIONS REPORTING GROUP 35022. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP35022	17	2005	2042	2011	N16	W45	.722	11029	14.5	37	-N			.98				3 3 2 4	
LOCK	17	2005	2030	2010	N13	W44	.704	11029	14.5	25	-F		C					F	
PALE	17	2007E	2042	2010	N16	W43	.699	11029	14.6	35D	-N		C		.72			DE	
RAMY	17	2010E	2055	2012U	N18	W49	.770	11029	14.2	45D	-N		V		1.24				
35022	17	2009	2048	2022	N16	W47	.745	11029	14.3	39	*-N			1.27				2 2 2 4	
BOUL	17	2008	2041	2023	N14	W44	.706	11029	14.5	33	-N	1	C	2023	1.30	1.81			
RAMY	17	2010	2055	2021	N18	W49	.770	11029	14.2	45	-N		V		1.24				
GRP35023	17	2035	2052	2038	N05	E16	.278	11035	19.1	17	-N			1.21				4 4 3 4	
RAMY	17	2033	2054	2037	N07	E15	.268	11035	19.0	21	-N		C		1.03			UDE	
LOCK	17	2034	2054	2038	N04	E15	.259	11035	19.0	20	-N		C						
BOUL	17	2035	2048	2038	N04	E16	.276	11035	19.1	13	-B	1	C	2038	.97	.97		F	
PALE	17	2036	2052	2038	N05	E17	.294	11035	19.1	16	-N		C		1.62				
GRP35024	17	2137	2147	2140	N15	W49	.764	11029	14.2	10	--N			.26				2 2 1 3	
LOCK	17	2137	2150	2140	N14	W50	.773	11029	14.2	13	-N		C					F	
PALE	17	2138E	2143	2139U	N16	W48	.755	11029	14.3	5D	-N		V		.26				
GRP35025	17	2233	2327	2257	N16	W48	.755	11029	14.3	54	1N			2.33				3 3 2 5	
LOCK	17	2232	2325	2255	N15	W46	.731	11029	14.5	53	1N		C						
PALE	17	2234	2320	2255	N18	W50	.781	11029	14.2	46	1F		C		2.89			DE	
PALE	17	2234	2320	2242	N18	W50	.781	11029	14.2	46	-N		C		1.63				
CRON	17	2249	2335	2300	N16	W47	.745	11029	14.4	46	1N	1	C	2300	1.77	2.60			
GRP35026	18	0122	0133	0124	N04	E14	.243	11035	19.1	11	--N			.80				3 3 3 3	
CRON	18	0120	0135	0124	N04	E14	.243	11035	19.1	15	-N	1	C	0124	.67	.64			
VORO	18	0123	0130	0125	N04	E14	.243	11035	19.1	7	-F		C	0125	1.11	1.10		73 EHV	
PALE	18	0124E	0124D	0124E	N05	E15	.262	11035	19.2		-N		C		.63			DE	
GRP35027	18	0135	0306	0205	N15	W52	.796	11029	14.2	91	2B			4.18				4 3 3 4	
MANI	18	0134	0246	0208	N14	W51	.784	11029	14.2	72	2B			3.61	5.60				
CRON	18	0135	0325	0202	N15	W48	.754	11029	14.5	110	1N	2	C	0202	3.33	4.94			
VORO	18	0136	0334	0207	N15	W57	.844	11029	13.8	118	2N		C	0207	4.62	7.00		145 EJK	
CULG	18	0143E	0402	0254	N16	W50	.777	11029	14.3	139D	2B		P	0254	5.16	7.50			
GRP35028	18	0408	0434	0412	N15	W52	.796	11029	14.3	26	-N			.97				3 3 3 4	
CRON	18	0406	0445	0412	N16	W51	.787	11029	14.3	39	-N	1	C	0412	.67	1.05			
TEHR	18	0408	0432	0412	N17	W52	.799	11029	14.3	24	-N		C		.87			F	
VORO	18	0409	0426	0411	N13	W52	.793	11029	14.3	17	1F		C	0411	1.38	2.20		90 EJ	

SOLAR FLARES

Confirmed

NOVEMBER 1970

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 α	MAX. INT. %	
					LAT.	MER. DIST.												
	1970																	
	NOV																	
GRP35029	18	0504	0605	0519	N13	W50	.772	11029	14.5	61	1F							
TACH	18	0503E	0621D		N15	W50	.775	11029	14.5	78D	2F							84
CRON	18	0504	0600U	0512U	N11	W49	.758	11029	14.5	56D	1F	1	C	0512	2.66	3.96		
TEHR	18	0523	0532	0525	N20	W42	.701	11029	15.1	9	-N							
TEHR	18	0546	0554	0549	N20	W42	.701	11029	15.1	8	-F							
GRP35032	18	0633	0703	0646	N03	E03	.053	11035	18.5	30	--N							
CATA	18	0630	0705	0645	N03	E02	.036	11035	18.4	35	-B			0645	.58	.58		209
CRON	18	0635	0700	0646	N03	E03	.053	11035	18.5	25	-F	1	C	0646	.33	.32		
GRP35035	18	0852	0917	0855	N15	W17	.357	11035	17.1	25	--F							
TEHR	18	0849	0917	0854	N14	W16	.334	11035	17.2	28	-F							
CATA	18	0855	0900E	0855	N15	W17	.357	11035	17.1	5D	-N			0855	.23	.25		182
GRP35036	18	0943	0953	0945	N14	W49	.763	11029	14.7	10	--N							
TEHR	18	0943	0957	0945	N16	W52	.797	11029	14.5	14	-N							
ISTA	18	0943	0950		N16	W47	.745	11029	14.9	7	-F							
CANR	18	0943	0953		N11	W49	.758	11029	14.7	10	-N	2	V			.80		
GRP35037	18	0958	1014	0959	N14	W14	.309	11035	17.4	16	--F							
TEHR	18	0957E	1021	0959	N15	W13	.307	11035	17.4	24D	-N							
CRON	18	0958	1007		N13	W15	.312	11035	17.3	9	-F							
GRP35038	18	1024	1045	1025	S12	W19	.404	11032	17.0	21	-N							
TEHR	18	1020	1045	1025	S13	W19	.414	11032	17.0	25	-N							
CATA	18	1025	1055E	1025	S11	W19	.395	11032	17.0	30D	-N			1025	.93	1.02		188
CANR	18	1025E	1041	1025U	S12	W18	.391	11032	17.1	16D	-N	1	C	1025	.64	.70		
ISTA	18	1025	1037		S10	W18	.372	11032	17.1	12	1N							
GRP35039	18	1028	1037	1029	N04	E08	.141	11035	19.0	9	--N							
CANR	18	1027	1035	1029	N03	E07	.122	11035	19.0	8	-N	1	C	1029	.54	.54		
TEHR	18	1028	1038	1029	N04	E08	.141	11035	19.0	10	-N							
GRP35040	18	1045	1123	1058	S12	W20	.417	11032	16.9	38	-N							
TEHR	18	1045	1128	1058U	S13	W19	.414	11032	17.0	43	-F							
ZURI	18	1056E	1105	1058	S12	W20	.417	11032	17.0	9D	-N			1058	1.52	1.70		
CATA	18	1057E	1135	1057	S10	W21	.413	11032	16.9	38D	-N			1057	1.16	1.28		170
043	RAMY	18	1330E	1339D	1330U	N14	W17	.348	11035	17.3	9D	--F						
GRP35044	18	1406	1425	1411	N04	W02	.043	11035	18.4	19	-N							
CANR	18	1406	1425	1408	N03	W02	.036	11035	18.4	19	-N	1	C	1408	1.08	1.08		
MONT	18	1406	1423D	1408	N04	W01	.031	11035	18.5	17D	-N							
RAMY	18	1412E	1421D	1414	N04	W03	.058	11035	18.4	9D	-N							
CATA	18	1415E	1425E	1415	N03	W02	.036	11035	18.4	10D	-N			1415	.52	.41		186
6 STATIONS REPORTING GROUP 35048. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35048	18	1606	1715	1636	N07	W02	.085	11035	18.5	69	-N							
CANR	18	1600	1725		N06	W03	.080	11035	18.4	85	-N	2	V			1.00		
MCMA	18	1607E	1711D		N07	W01	.080	11035	18.6	64D	-N			1634	1.55	1.50		
LOCK	18	1610	1710	1625	N08	W02	.102	11035	18.5	60	1F							
HUAN	18	1627E	1630D	1627U	N06	W03	.080	11035	18.5	3D	-N	1	P	1627	1.52	1.53		
BOUL	18	1653	1711	1656	N11	W02	.151	11035	18.6	18	-N	1	V					
35048	18	1510	1600	1525	N07	W03	.094	11035	18.4	50	*1N							
BOUL	18	1510	1822	1528	N08	W02	.102	11035	18.5	192	1N	1	V					
CANR	18	1510	1600	1520	N05	W03	.068	11035	18.4	50	-N	1	C	1520	1.50	1.50		
RAMY	18	1510	1746D	1527	N07	W04	.104	11035	18.3	156D	1F							
RAMY	18	1510	1746D	1515	N07	W04	.104	11035	18.3	156D	-F							
HUAN	18	1805E	1815D	1807U	N07	W02	.085	11035	18.6	10D	-N	1	P	1807	1.52	1.53		
35048	18	1510	1636	1611	N06	W03	.080	11035	18.4	86	*-F							
RAMY	18	1510	1746D	1612	N07	W04	.104	11035	18.3	156D	1F							
HUAN	18	1548E	1610D	1610U	N06	W03	.080	11035	18.4	22D	-N	2	P	1610	.91	.92		
RAMY	18	1613	1636	1616	N06	W03	.080	11035	18.5	23	-F							
GRP35049	18	1516	1543	1520	N01	W13	.226	11035	17.7	27	-N							
CANR	18	1512	1540		N01	W14	.243	11035	17.6	28	-N	3	V			1.00		
RAMY	18	1517	1533	1521	N01	W13	.226	11035	17.7	16	-F							
BOUL	18	1518	1557	1519	S00	W11	.196	11035	17.8	39	1N	1	V					
HUAN	18	1548E	1558	1549U	N02	W14	.242	11035	17.6	10D	-F	1	P	1549	.28	.29		
35049	18	1510	1746	1739	N08	W02	.102	11035	18.5	156	*-F							
RAMY	18	1510	1746D	1739	N07	W04	.104	11035	18.3	156D	-N							
PALE	18	1731E	1742D	1739U	N08	E01	.097	11035	18.8	11D	1F							

SOLAR FLARES

Confirmed

NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MAGNITUDE PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
GRP35050	18	1532	1547	1536	N11	E82	.989	11045	24.8	15	--N							3 3 0 3
CANR	18	1530	1600		N10	E84	.994	11045	24.9	30	-N	1	V			.80		
BOUL	18	1531	1543	1534	N12	E80	.984	11045	24.6	12	-N	1	V					DE
RAMY	18	1534	1537	1537	N12	E82	.989	11045	24.8	3	-N		C					
GRP35051	18	1833	1850	1837	N04	E01	.031	11035	18.8	17	--N					.38		3 3 2 3
LOCK	18	1832	1850	1837	N04	E04	.074	11035	19.1	18	-N		C					
BOUL	18	1833	1849	1837	N04	E03	.058	11035	19.0	16	-F	1	C	1837	.43	.43		D
HUAN	18	1836E	1837D	1836U	N04	W04	.074	11035	18.5	10	-B	1	P	1836	.33	.33		
GRP35052	18	1933	1942	1936	N01	W03	.059	11035	18.6	9	--F					.32		2 2 1 3
BOUL	18	1933	1943	1936	N01	W03	.044	11035	18.7	10	-F	1	C	1936	.32	.32		
LOCK	18	1933	1941	1936	N01	W03	.059	11035	18.6	8	-F		C					
GRP35054	18	2016	2047	2031	N01	W03	.059	11035	18.6	31	--F					.32	.32	2 2 0 4
BOUL	18	2011	2023	2013	N01	W03	.059	11035	18.6	12	-F	1	C	2013	.32	.32		
LOCK	18	2020	2100	2030	N01	W04	.075	11035	18.5	40	-F		C					
BOUL	18	2031	2033	2031	N02	W02	.036	11035	18.7	2	-F	1	V					
055 PALE	18	2121E	2127D	2122U	N15	W23	.437	11035	17.2	60	--F		C			.27		3
GRP35056	18	2122	2137	2127	N06	E02	.070	11035	19.0	15	--F					.99		3 3 2 3
PALE	18	2121E	2127D	2127D	N07	E03	.094	11035	19.1	60	-F		C			1.54		F
LOCK	18	2123	2137	2127	N05	E01	.047	11035	19.0	14	-N		C					
BOUL	18	2124U	2132D	2127	N06	E02	.070	11035	19.0	8D	-F	1	C	2127	.43	.43		
GRP35058	18	2210	2241	2213	N10	W05	.156	11035	18.5	31	-N					1.91		3 3 2 3
LOCK	18	2205	2230	2211	N09	W06	.153	11035	18.5	25	-N		C					
CULG	18	2208E	2256	2214	N10	W06	.166	11035	18.5	48D	1N		P	2214	2.27	2.20		H
CRON	18	2218	2237		N10	W04	.147	11035	18.6	19	-N		V			1.55		
GRP35059	18	2322	2344	2329	N05	W01	.047	11035	18.9	22	-N					1.67		5 5 4 5
LOCK	18	2317	2336D	2330	N06	W01	.063	11035	18.9	19D	1N		C					
CULG	18	2318	2355D	2331	N06	W01	.063	11035	18.9	37D	1N		P	2331	2.58	2.50		U
VORO	18	2318	2334	2324	N04	W01	.031	11035	18.9	16	-F		C	2324	1.11	1.10	100	EJ
CRON	18	2323E	2349	2326	N05	W01	.047	11035	18.9	26D	-N	1	C	2325	1.44	1.40		DE
PALE	18	2332	2333D	2333D	N06	W01	.063	11035	18.9	10	-B		C			1.54		
060 VORO	19	0010	0022	0014	N12	W59	.859	11029	14.6	12	--F		C	0014	.93	1.70	85	EJ
GRP35061	19	0034	0054	0038	N15	W25	.465	11035	17.1	20	--F					.49		2 2 2 3
VORO	19	0033	0045	0035	N14	W25	.458	11035	17.1	12	-F		C	0035	.65	.70	72	E
CRON	19	0035	0103	0040U	N16	W25	.471	11035	17.1	28	-F	1	C	0039	.33	.37		
GRP35062	19	0238	0308	0245	N02	W07	.122	11035	18.6	30	-N					1.39		3 3 3 3
CULG	19	0235	0314	0247	N03	W07	.122	11035	18.6	39	1N		C	0247	2.58	2.50		
CRON	19	0239	0307	0247	N01	W06	.107	11035	18.7	28	-N	1	C	0247	.56	.54		
VORO	19	0239	0304	0240	N01	W07	.124	11035	18.6	25	-F		C	0240	1.02	1.00	92	EJ
063 TEHR	19	0522	0541	0526	N17	W60	.872	11029	14.7	19	-N		C			.83		F 3
065 TEHR	19	0547	0609	0549	N17	W60	.872	11029	14.7	22	-N		C			.64		F 3
GRP35066	19	0628	0657	0635	N13	W27	.481	11035	17.2	29	--N					.42		3 3 3 4
CATA	19	0625	0655E	0635	N14	W27	.486	11035	17.2	30D	-B			0635	.58	.66	209	
CRON	19	0629	0655	0636	N13	W27	.481	11035	17.2	26	-N	1	C	0636	.33	.37		FDE
TEHR	19	0631	0702	0635	N13	W28	.495	11035	17.2	31	-N		C			.36		
GRP35067	19	0803	0835	0817	N19	W61	.882	11029	14.8	32	--N					.34		3 2 2 6
TEHR	19	0757	0835	0801	N17	W63	.895	11029	14.6	38	-N		C			.28		FDE
CRON	19	0803U	0835U	0813U	N17	W61	.880	11029	14.8	32D	-N	1	C	0813	.44	.91	191	
CATA	19	0810E	0835	0820	N20	W60	.875	11029	14.8	25D	-N		C	0820	.23	.49		
GRP35069	19	0927	0942	0930	S11	W37	.632	11032	16.6	15	--N					.68		3 3 3 5
TEHR	19	0925	0946	0930	S11	W38	.644	11032	16.5	21	-N		C			.36		F
CRON	19	0928	0937	0930	S11	W38	.644	11032	16.5	9	-N	1	C	0930	.89	1.12		
CAPS	19	0929E	0935D		S11	W36	.619	11032	16.7	6D	-F	1	V	0932	.80	1.00		C
GRP35070	19	0937	0955	0946	N17	W62	.888	11029	14.8	18	--N					.28		3 3 3 5
TEHR	19	0935	0956	0941	N17	W62	.888	11029	14.7	21	-N		C			.28		DE
CRON	19	0938	0951D	0948	N17	W62	.888	11029	14.8	13D	-N	1	C	0947	.23	.47		
CANR	19	0945E	0954	0948	N17	W61	.880	11029	14.8	9D	-N	2	C	0948	.32	.68		
GRP35072	19	1018	1027	1019	S11	W37	.632	11032	16.7	9	--N					.54		5 5 5 6
TEHR	19	1017	1035	1019	S11	W38	.644	11032	16.6	18	-N		C			.28		DE
CANR	19	1018	1027	1020	S12	W37	.636	11032	16.7	9	-N	2	C	1020	.75	.98		
CAPE	19	1018	1025	1019	S12	W38	.648	11032	16.6	7	-N		C	1019	.96	1.30		
CAPS	19	1020E	1025D		S11	W36	.619	11032	16.7	5D	-F		V	1023	.40	.50		C
CRON	19	1021E	1025		S11	W35	.606	11032	16.8	4D	-F		V			.31		

SOLAR FLARES

Confirmed

NOVEMBER 1970

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 α		MAX. INT. %
					LAT.	MER. DIST.												
1970 NOV																		
GRP35073	19	1019	1031	1021	N15	W30	.532	11035	17.2	12	--N						5 5 5 6	
TEHR	19	1017	1032	1020	N16	W31	.551	11035	17.1	15	-N	C					DE	
CAPE	19	1018	1028	1021	N16	W31	.551	11035	17.1	10	-F	C	1021	1.22	1.50			
CANR	19	1020	1033	1021	N15	W31	.546	11035	17.1	13	-N	2 C	1021	.64	.77			
CAPS	19	1020E	1034D		N14	W29	.514	11035	17.3	14D	-N	V	1023	.60	.70		CE	
CRON	19	1021E	1030		N13	W29	.509	11035	17.3	9D	-N	V		.62				
GRP35074	19	1039	1110	1044	N03	W12	.208	11035	18.5	31	--N						5 5 4 7	
CAFF	19	1038E	1100D		N02	W11	.191	11035	18.6	22D	-N	P	1041	1.03	1.10		H	
TEHR	19	1038	1116	1043	N02	W12	.208	11035	18.5	38	-N	C		.45			DE	
CANR	19	1040	1105	1043	N01	W12	.209	11035	18.5	25	-N	2 C	1043	.54	.54			
CAPS	19	1040E	1110D		N01	W10	.175	11035	18.7	30D	-N	1 V						
CATA	19	1045E	1050E	1045	N02	W13	.225	11035	18.5	5D	-B		1045	.46	.48		219	
TEHR	19	1115	1130	1116	N12	W13	.277	11035	18.5	15	-N	C		.36			FDE	
GRP35076	19	1132	1153	1136	N08	W07	.155	11035	19.0	21	--F						2 2 2 5	
TEHR	19	1132	1153	1136	N08	W06	.142	11035	19.0	21	-F	C		.28			DE	
CATA	19	1135E	1150E	1135	N08	W07	.155	11035	19.0	15D	-N		1135	.75	.76		195	
GRP35078	19	1240	1257	1245	N15	W67	.922	11029	14.5	17	-N						3 3 3 5	
TEHR	19	1238	1300	1245	N16	W67	.922	11029	14.5	22	-N	C		.64			FDE	
CANR	19	1239	1255	1245U	N16	W67	.922	11029	14.5	16	-N	2 C	1245	.75				
RAMY	19	1243	1256	1246	N14	W66	.915	11029	14.6	13	-F	C		.52			DE	
GRP35079	19	1244	1253	1246	N05	W11	.196	11035	18.7	9	--F						2 2 2 5	
RAMY	19	1242	1253	1246	N04	W08	.142	11035	18.9	11	-F	C		.72			DE	
CANR	19	1245	1253	1246	N05	W13	.229	11035	18.6	8	-N	2 C	1246	.54	.54			
GRP35080	19	1322	1338	1325	N14	W32	.554	11035	17.2	16	-N						4 4 4 4	
RAMY	19	1320	1340	1326	N15	W32	.559	11035	17.2	20	-N	C		1.36			DE	
CANR	19	1322	1333	1324	N09	W34	.566	11035	17.0	11	-B	2 C	1324	.97	1.18			
CAPE	19	1323	1335	1325	N16	W33	.577	11035	17.1	12	-N	C	1325	1.31	1.60			
CAPS	19	1324E	1342D		N14	W30	.527	11035	17.3	18D	1N	1 V	1325	2.00	2.40			
GRP35081	19	1356	1405	1358	N14	W66	.915	11029	14.6	9	--N						3 3 2 4	
CANR	19	1355	1406	1356	N14	W65	.908	11029	14.7	11	-N	1 C	1356	.32			DE	
RAMY	19	1355	1406	1358	N14	W66	.915	11029	14.6	11	-F	C		.62				
BOUL	19	1359	1404	1400	N14	W67	.921	11029	14.6	5	-N	1 V						
3 STATIONS REPORTING GROUP 35082. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35082	19	1500	1530	1506	N05	W17	.295	11035	18.4	30	--F						2 2 2 3	
RAMY	19	1459	1530	1505	N05	W17	.295	11035	18.3	31	-F	C		.66			UDE	
CANR	19	1500	1530	1506U	N05	W17	.295	11035	18.4	30	-N	2 C	1506	.64	.64			
35082	19	1459	1535	1517	N06	W18	.314	11035	18.3	36	*-F						2 2 2 4	
RAMY	19	1459	1530	1517	N05	W17	.295	11035	18.3	31	-F	C		.88				
MCMA	19	1520E	1540		N06	W19	.330	11035	18.2	20D	-N	C	1520	.93	.80		EL	
GRP35086	19	1638	1655	1642	N15	W34	.585	11035	17.1	17	-B						5 5 3 5	
BOUL	19	1636	1658	1642	N16	W33	.577	11035	17.2	22	-B	1 V		1.43				
MCMA	19	1637	1657	1642	N14	W34	.581	11035	17.1	20	-B	C	1642	1.55	1.50		EV	
RAMY	19	1638	1654	1641	N15	W33	.572	11035	17.2	16	-N	C		1.14			DE	
LOCK	19	1640	1653	1642	N15	W35	.598	11035	17.1	13	-B	C					V	
CANR	19	1640	1653	1642	N15	W34	.585	11035	17.1	13	-B	1 C	1642	1.61	1.96			
GRP35088	19	1857	1902	1858	N13	W36	.604	11035	17.1	5	--F						2 2 1 2	
LOCK	19	1856	1902	1858	N13	W36	.604	11035	17.1	6	-F	C		.22				
BOUL	19	1857	1902	1858	N12	W35	.587	11035	17.2	5	-N	1 C	1858	.22	.27			
GRP35089	19	2028	2141	2033	N14	W35	.594	11035	17.2	73	--F						3 3 2 3	
LOCK	19	2028	2043	2033	N13	W36	.604	11035	17.2	15	-F	C		.29			H	
BOUL	19	2032E	2140	2033U	N16	W35	.602	11035	17.2	68D	-N	1 C	2033	.21	.27			
PALE	19	2034E	2141	2034E	N13	W35	.591	11035	17.2	67D	-F	V		.36				
GRP35090	19	2107	2137	2115	N07	W22	.381	11035	18.2	30	--F						2 2 0 2	
LOCK	19	2100	2140	2115	N06	W23	.394	11035	18.1	40	-F	C						
BOUL	19	2113	2133	2115	N08	W20	.353	11035	18.4	20	-F	1 V						
GRP35091	19	2247	2319	2253	N01	W20	.343	11035	18.4	32	1N						3 2 1 3	
CULG	19	2242	0144	2358	N00	W18	.312	11035	18.6	182	2N	C	2358	8.15	8.15		H	
LOCK	19	2246	2315	2254	N01	W19	.326	11035	18.5	29	1N	C						
CRON	19	2247	2322	2251	N01	W20	.343	11035	18.4	35	1N	1 C	2251	2.22	2.30			
GRP35092	20	0057	0156	0111	N04	W16	.277	11035	18.8	59	1B						2 2 2 2	
CULG	20	0053	0200	0112	N07	W14	.254	11035	19.0	67	2B	C	0112	7.63	7.40		HLS	
CRON	20	0101	0152	0110	N05	W15	.262	11035	18.9	51	1N	1 C	0109	2.55	2.47			
093 CRON	20	0242	0247	0243	N17	E78	.978	11048	26.0	5	--F	V		.41			2	

SOLAR FLARES

Confirmed

NOVEMBER 1970

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 α		MAX. INT. %
					LAT.	MER. DIST.												
1970 NOV																		
GRP35094	20	0354	0412	0356	N04	W25	.423	11035	18.3	18	--F						2 2 2 3	
TEHR	20	0354	0413	0356	N04	W25	.423	11035	18.3	19	-N						DE	
CRON	20	0358E	0410		N03	W24	.406	11035	18.4	12D	-F							
GRP35095	20	0407	0458	0421	N16	W39	.653	11035	17.2	51	-N						3 3 3 3	
CULG	20	0359	0518	0424	N16	W38	.641	11035	17.3	79	1B		0424	3.40	4.29			
CRON	20	0407	0440	0420	N16	W39	.653	11035	17.2	33	-N	1	C	0420	1.33	1.70		
TEHR	20	0414	0435	0419	N16	W38	.641	11035	17.3	21	-N						DE	
TEHR	20	0432	0455	0435	N15	W40	.662	11035	17.2	23	-N						DE	
GRP35096	20	0723	0742	0728	N15	W40	.662	11035	17.3	19	--N						3 3 2 3	
TEHR	20	0721	0744	0727	N15	W40	.662	11035	17.3	23	-N						DE	
CRON	20	0724U	0735U	0728U	N15	W41	.674	11035	17.2	11D	-F	1	C	0728	.44	.59		
ISTA	20	0725	0740		N14	W40	.659	11035	17.3	15	-N							
GRP35100	20	0936	0959	0941	N08	W19	.338	11035	19.0	23	-N						4 4 4 6	
CRON	20	0936	0945	0939	N07	W18	.318	11035	19.0	9	-N	1	C	0939	.44	.45		
ZURI	20	0936	0957	0940	N07	W20	.350	11035	18.9	21	-B			0940	1.22	1.30		
CAPE	20	0936	1000	0940	N08	W18	.322	11035	19.0	24	-F			0940	1.09	1.20		
CATA	20	0945E	1015E	0945	N08	W19	.338	11035	19.0	30D	-N			0945	1.04	1.11		174
GRP35103	20	1143	1315	1300	N03	W27	.454	11035	18.5	92	-B						2 2 2 6	
CANR	20	1143E	1315D		N02	W27	.454	11035	18.5	92D	-N	2	V		.60			
CATA	20	1300E	1310E	1300	N03	W26	.438	11035	18.6	10D	-B			1300	1.16	1.29		209
35103	20	1243	1311	1249	N02	W26	.438	11035	18.6	28	*-N				1.16			3 3 3 5
TEHR	20	1242	1308D	1245	N02	W25	.422	11035	18.7	26D	-N				.36			DE
CANR	20	1243	1318D	1247	N01	W25	.423	11035	18.7	35D	-N	1	C	1247	.86	.95		
MONT	20	1245E	1307	1256	N02	W28	.469	11035	18.4	22D	-N			1256	2.27			
GRP35104	20	1326	1417	1352	N06	W31	.517	11035	18.2	51	-N				1.76			7 6 6 7
CAPE	20	1320	1415	1355	N06	W32	.532	11035	18.2	55	-N			1355	1.14	1.30		
RAMY	20	1321	1348	1347	N05	W32	.531	11035	18.2	27	-N				.98			
RAMY	20	1321	1348D	1326	N05	W32	.531	11035	18.2	27D	-F				.77			UDE
CATA	20	1325E	1420	1345	N07	W31	.519	11035	18.2	59D	-B			1345	1.09	1.30		216
MONT	20	1336	1416	1354	N05	W31	.516	11035	18.2	40	-N			1354	2.27			
WEND	20	1340E	1417		N07	W30	.504	11035	18.3	37D	1N				4.13			
CANR	20	1346E	1417	1350	N04	W30	.500	11035	18.3	31D	-N	1	C	1350	.97	1.12		FI
HUAN	20	1358E	1419	1358U	N05	W31	.516	11035	18.3	21D	-N	1	P	1358	.91	1.05		
105 RAMY	20	1547	1556	1549	N15	W46	.733	11035	17.2	9	--F				.41			DE 3
106 BOUL	20	1638E	1650	1638U	N15	W82	.989	11029	14.5	12D	-N	1	C	1638	.32			2
107 BOUL	20	1651	1708	1654	N04	W36	.588	11035	18.0	17	--F	1	V					2
GRP35108	20	1658	1725	1707	N15	W47	.744	11035	17.2	27	--F				.43			3 2 1 3
LOCK	20	1658	1730	1707	N14	W47	.742	11035	17.2	32	-F							
BOUL	20	1658	1719	1706	N15	W47	.744	11035	17.2	21	-N	1	C	1706	.43	.64		
RAMY	20	1720E	1725D	1720U	N15	W47	.744	11035	17.2	5D	-F				.52			DE
110 LOCK	20	2236	2244	2238	N06	W36	.589	11035	18.2	8	-N							3
111 CRON	21	0231	0246		N14	W57	.843	11035	16.8	15	--F							2
112 CRON	21	0250	0303	0252	N28	W82	.990	11029	15.0	13	--N	1	C	0252	.23			2
113 CRON	21	0518	0532	0519	N16	W60	.871	11035	16.7	14	--F	1	C	0519	.23	.43		3
GRP35114	21	0703	0728	0704	N07	W39	.631	11035	18.4	25	-F				.89			3 3 2 5
CATA	21	0655	0720	0700	N05	W41	.656	11035	18.2	25	-N			0700	1.22	1.61		186
TEHR	21	0705E	0720	0707U	N06	W39	.630	11035	18.4	15D	-F				.55			DE
CRON	21	0708	0745		N09	W37	.608	11035	18.5	37	-F							
35114	21	0722	0802	0733	N05	W40	.643	11035	18.3	40	*-N				1.44			5 5 4 5
ISTA	21	0655	0755	0725	N04	W37	.602	11035	18.5	60	-F							
CRON	21	0719U	0758U	0732U	N05	W41	.656	11035	18.2	39D	-N	1	C	0731	1.56	1.97		
TEHR	21	0723	0803	0733	N05	W40	.643	11035	18.3	40	-N				1.19			FDE
CATA	21	0725	0805	0740	N07	W42	.671	11035	18.2	40	1B			0740	1.73	2.34		219
CAPE	21	0734E	0810	0736	N06	W42	.670	11035	18.2	36D	-N			0736	1.27	1.70		T
GRP35115	21	0820	0849	0821	N05	W41	.656	11035	18.3	29	--N				.66			3 3 3 6
CRON	21	0820U	0849U	0821U	N05	W42	.669	11035	18.2	29D	-N	1	C	0821	.56	.72		
CATA	21	0820	0900	0820	N05	W41	.656	11035	18.3	40	-N			0820	.87	1.15		199
TEHR	21	0820	0838	0821	N04	W40	.643	11035	18.3	18	-F				.55			T
GRP35118	21	0906	1004	0911	N04	W41	.656	11035	18.3	58	--N				.41			2 1 1 4
TEHR	21	0906	1004	0911	N04	W41	.656	11035	18.3	58	-N				.41			DE
CATA	21	0910E	0955E	0925	N04	W40	.643	11035	18.4	45D	-N			0925	.98	1.29		199

SOLAR FLARES

Confirmed

NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. 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 α	MAX. INT. %
					LAT.	MER. DIST.												
1970 NOV																		
GRP35146	22	2158	2210	2202	N07	W65	.906	11035	18.0	12	--F					4 4 2 4		
LOCK	22	2155	2210	2200	N06	W64	.898	11035	18.1	15	-F							
HUAN	22	2200	22010		N05	W63	.890	11035	18.2	10	-N	1	P		.37	.81	D	
PALE	22	2203E	22110	2203E	N05	W64	.898	11035	18.1	80	-F		C		.27		F	
CRON	22	2206E	2210		N13	W68	.928	11035	17.8	40	-N		V					
GRP35150	22	2348	0017	2357	N13	E26	.469	11045	24.9	29	-F				1.58		2 2 2 3	
CULG	22	2345	0033	0000	N14	E26	.475	11045	24.9	48	1N	1	C	0000	2.48	2.76	RS	
CRON	22	2350	0000	2354	N12	E25	.449	11045	24.9	10	-F	1	C	2354	.67	.72		
GRP35151	23	0008	0021	0010	N03	W53	.798	11035	19.0	13	-N				1.09		2 2 2 3	
VORO	23	0006	0014	0008	N01	W53	.799	11035	19.0	8	-F		C	0008	.84	1.40	101	
CULG	23	0009	0028	0011	N04	W52	.788	11035	19.1	19	1B		C	0011	1.34	2.21	V	
	23	0330	0336	NO FLARE PATROL														
2 STATIONS REPORTING GROUP 35154.																		
6 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35154	23	1000	1012	1003	N12	W74	.961	11035	17.9	12	-N				1.19		2 2 2 8	
MOHT	23	0959	1007	1003	N07	W75	.965	11035	17.8	8	-N		C	1003	2.06			
TEHR	23	1000	1017	1002	N16	W72	.952	11035	18.0	17	-N		C		.32		DE	
154 MONT	23	1004	1012	1006	N05	W62	.882	11035	18.8	8	*-N		C	1006	.21		7	
GRP35159	23	1054	1142	1102	N08	W66	.913	11035	18.5	48	1B				2.34		3 2 2 6	
ZURI	23	1054	1140	1102	N08	W67	.920	11035	18.4	46	1N		C	1102	1.58			
MONT	23	1054	1144	1101	N08	W65	.906	11035	18.6	50	1B		C	1101	3.09			
CATA	23	1125E	1135E	1125	N10	W65	.907	11035	18.6	100	1N			1125	1.16	2.74	164	
GRP35160	23	1236	1248	1239	N06	W74	.961	11035	18.0	12	-N				1.18		5 5 4 8	
CANR	23	1235	1252	1239	N05	W76	.970	11035	17.8	17	-N	2	C	1239	.54			
RAMY	23	1235	1254	1238	N06	W75	.965	11035	17.9	19	-F		C				DE	
ZURI	23	1236	1242	1240	N06	W73	.956	11035	18.0	6	1N		C	1240	1.47			
MONT	23	1237	1245	1238	N05	W71	.945	11035	18.2	8	-B		C	1238	2.06			
CATA	23	1240E	1245E	1240	N09	W75	.965	11035	17.9	50	-N			1240	.63		170	
GRP35162	23	1439	1447	1441	N03	W62	.883	11035	19.0	8	--F				.31		2 2 2 6	
RAMY	23	1439	1448	1441	N02	W62	.883	11035	19.0	9	-F		C		.41		DE	
CANR	23	1439	1445	1440	N03	W62	.883	11035	19.0	6	-N	2	C	1440	.21	.45		
163 LOCK	23	1622	1645	1630	N05	W68	.927	11035	18.6	23	--F		C				2	
164 RAMY	23	1656E	1732D	1700U	S19	W08	.380	11054	23.1	360	--F		C		.62		DE 2	
GRP35165	23	1811	1834	1820	N13	W82	.990	11035	17.6	23	--F						2 1 0 2	
LOCK	23	1811	1830	1820	N12	W79	.981	11035	17.8	19	-F		C					
RAMY	23	1826E	1838		N14	W85	.996	11035	17.4	120	-N		C				DE	
GRP35166	23	1816	1841	1824	N09	W39	.635	11051	20.8	25	--F				.93		2 2 1 3	
LOCK	23	1816	1830	1821	N09	W39	.635	11051	20.8	14	-F		C					
RAMY	23	1826E	1851D	1826U	N08	W39	.633	11051	20.8	250	-F		C		.93		DE	
GRP35167	23	1841	1857	1844	N09	W68	.927	11035	18.7	16	--F				.27		2 2 1 3	
LOCK	23	1839	1855	1843	N09	W68	.927	11035	18.7	16	-F		C					
PALE	23	1842	1858	1844	N09	W68	.927	11035	18.7	16	-F		C		.27			
168 LOCK	23	1945	1955	1948	N05	W82	.990	11035	17.7	10	--F		C				H 2	
GRP35169	23	2003	2013	2006	N05	W70	.939	11035	18.6	10	--F				.81		2 2 1 2	
PALE	23	2003	2013	2006	N05	W68	.927	11035	18.7	10	-F		C		.81		F	
LOCK	23	2003	2012	2006	N05	W72	.951	11035	18.4	9	-F		C					
GRP35170	23	2202	2230	2213	N09	W72	.951	11035	18.5	28	--F				.36		2 2 1 3	
LOCK	23	2202	2230	2208	N08	W74	.961	11035	18.4	28	-F		C					
PALE	23	2217E	2221D	2217E	N09	W70	.939	11035	18.7	40	-N		V		.36		F	
GRP35171	23	2308	2337	2312	N09	E09	.198	11045	24.6	29	-N				1.43		5 5 4 5	
LOCK	23	2307	2335	2311	N09	E08	.185	11045	24.6	28	1N		C					
CULG	23	2308	0005	2312	N09	E08	.185	11045	24.6	57	1N		P	2312	2.68	2.60	HV	
CRON	23	2308	2328	2312	N08	E08	.174	11045	24.6	20	-N	2	C	2312	.67	.64		
VORO	23	2309	2321	2312	N08	E09	.188	11045	24.6	12	-F		C	2312	1.02	1.00	110	
PALE	23	2312E	2319D	2312E	N09	E11	.226	11045	24.8	70	-N		V		1.34		DE	
GRP35175	24	0406	0434	0410	N07	W77	.974	11035	18.4	28	--F				.48		2 2 2 3	
CRON	24	0406U	0453U	0412U	N07	W74	.961	11035	18.6	47D	-F	1	C	0411	.33			
MITK	24	0406	0414	0408	N07	W80	.984	11035	18.2	8	-F		C	0408	.62		E	

SOLAR FLARES Confirmed

NOVEMBER 1970

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 _α	MAX. INT. %		
					LAT.	MER. DIST.													
GRP35176 TACH MITK TEHR	24	0601	0627	0611	N04	W79	.981	11035	18.3	26	-N	C	0610	.68				3 3 2 6	
	24	0559	0631	0610	N06	W80	.984	11035	18.2	32	1F	C	0610	.83				D	
	24	0602	0618	0611	N05	W81	.987	11035	18.2	16	-N	C	0611	.52		2.06	57	D	
	24	0611E	0632		N02	W75	.966	11035	18.6	21D	-N	V						DE	
GRP35178 TACH TEHR HTPR TEHR CATA ONDR CRON	24	0754	0807	0759	N06	W79	.981	11035	18.4	13	-N	C	0758	.65				6 6 5 10	
	24	0736	0803	0758	N10	W86	.997	11035	17.9	27	1N	C	0758	1.45		2.16	72	E	
	24	0737	0800	0741U	N11	W86	.997	11035	17.9	23	-N	C		.28				DE	
	24	0746E	0803	0759	N05	W80	.984	11035	18.3	17D	-N	C	0759	.62				DE	
	24	0753	0806	0757	N04	W79	.981	11035	18.4	13	-F	C		.28				DE	
	24	0755	0805	0800	N07	W76	.970	11035	18.6	10	-N	C	0800	.40			174	CDJ	
	24	0758E	0808		N03	W73	.956	11035	18.9	10D	-F	V	0759			2.00		CDJ	
	24	0758	0814		N04	W77	.974	11035	18.6	16	-F	V		.52					
181 LOCK	24	1827	1847	1837	N01	W10	.174	11046	24.0	20	--F	C						3.	
GRP35189 TEHR HTPR UCCL RAMY	25	1146	1207	1152	S12	E70	.945	11053	30.7	21	-N	C		.43				4 4 4 10	
	25	1142	1217	1155	S12	E68	.933	11053	30.6	35	-N	C		.27				DE	
	25	1145	1202	1147	S13	E70	.945	11053	30.7	17	-N	C	1156	.62				D	
	25	1145	1202	1156	S13	E70	.945	11053	30.7	17	-N	C						DE	
	25	1146	1201	1148	S13	E70	.945	11053	30.7	15	-N	C	1148	.52				D	
	25	1149	1206	1156	S11	E70	.944	11053	30.7	17	-N	C		.31				DE	
GRP35192 CATA HUAN RAMY	25	1502	1517	1503	N14	E02	.216	11048	25.8	15	--N			.51				3 3 3 7	
	25	1502	1510E	1502	N14	E02	.216	11048	25.8	8D	-N		1502	.46	.48		166		
	25	1502	1512	1503	N14	E02	.216	11048	25.8	10	-F	2 C	1503	.35	.35			E	
	25	1504E	1521	1505U	N14	E02	.216	11048	25.8	17D	-N	C		.72				DE	
	25	1552	1558																
	25	1600	1601																
	25	1607	1624																
	25	1642	1648																
	25	1653	1657																
	25	1700	1748																
193 BOUL	25	1835	1846	1836	N24	W04	.385	11048	25.5	11	--F	2 V						1	
	25	2057	2140																
	25	2232	0016																
194 CRON	26	0218U	0230U	0223U	N10	W72	.951	11051	20.7	12D	--F	1 C	0223	.23				1	
	26	1515	1625																
	26	1629	2224																
196 CRON	27	0115	0124	0116	N13	E82	.990	11060	3.2	9	--N	1 C	0115	.23				3	
197 CATA	27	0645	0700	0645	N20	E90	1.000	11060	4.0	15	1F		0645	.75			148	3	
201 HUAN	27	1701	1715D	1707	N23	E90	1.000	11060	4.5	14D	-N	1 P	1707	1.05				D 2	
	27	1715	1731																
	27	1751	2136																
202 CRON	28	0127	0138	0133	S14	E35	.614	11053	30.7	11	--N	2 C	0132	.23	.27			3	
203 CRON	28	0233	0242	0235	N13	E55	.826	11060	2.2	9	--N	2 C	0234	.67	1.16			3	
GRP35204 CULG CRON	28	0411	0512	0422	N15	E64	.903	11060	3.0	61	-N			1.38				2 2 2 2	
	28	0409	0524	0424	N16	E63	.897	11060	2.9	75	1N	C	0424	1.86					
	28	0413	0500	0420	N14	E64	.903	11060	3.0	47	-N	2 C	0419	.89					
205 CRON	28	0658E	0705		S12	E90	1.000	11063	5.0	7D	--N	V		.21				2	
206 CRON	28	0734	0740		N15	E56	.838	11060	2.5	6	--F	V		.31				2	
209 RAMY	28	1604E	1611		S17	E80	.987	11063	4.7	7D	--F	V						DE 1	
210 RAMY	28	1610	1630D	1615	N12	E48	.752	11060	2.3	20D	--F	V		1.04				DE 1	

SOLAR FLARES
Confirmed
NOVEMBER 1970

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 Hc		MAX. INT. %	
					LAT.	MER. DIST.													
211 RAMY	1970 NOV 28	1631	1635D		S15	E80	.987	11063	4.7	4D	-N	C						DE 1	
	28	1635	1703		NO FLARE PATROL														
GRP35212 BOUL RAMY	28	1713	1731	1717	S15	E80	.987	11063	4.7	18	-N							2 2 0 3	
	28	1713	1731	1717	S14	E80	.987	11063	4.7	18	-N	1	V					DE	
	28	1713	1716D		S15	E80	.987	11063	4.7	3D	-N		C						
	28	1737	1800		NO FLARE PATROL														
	28	2117	2155		NO FLARE PATROL														
	28	2233	2244		NO FLARE PATROL														
	28	2400	0001		NO FLARE PATROL														
213 CRON	29	0144	0156	0148	N20	E66	.921	11060	4.0	12	--N	1	C	0148	.33			1	
214 CULG	29	0345	0413	0355	N23	E65	.918	11060	4.0	28	1N		C	0355	1.34			2	
	29	1641	1647		NO FLARE PATROL														
	29	1848	1856		NO FLARE PATROL														
	29	2023	2120		NO FLARE PATROL														
219 RAMY	29	2050E	2053D	2051U	N15	E35	.605	11060	2.5	3D	--B		V		.72			DE 1	
	29	2127	2132		NO FLARE PATROL														
220 PALE	29	2220	2234D	2222U	N16	E34	.597	11060	2.5	14D	--F		C		.63			F 2	
GRP35221 CULG CRON CRON	30	0140	0222	0146	N17	E42	.698	11060	3.2	42	-N		C		1.15			2 2 2 3	
	30	0140	0224	0146	N16	E39	.659	11060	3.0	44	1N		C	0146	1.86	2.34			
	30	0140	0220	0145U	N15	E39	.655	11060	3.0	40	-N	2	C	0145	.44	.57			
	30	0218	0238	0222	N22	E52	.816	11060	4.0	20	-F	2	C	0222	.23	.38			
GRP35222 CRON CULG KODA VORO	30	0242	0318	0250	N18	E38	.656	11060	3.0	36	-N		C		1.58			4 4 4 4	
	30	0238	0320U	0248	N16	E37	.635	11060	2.9	42D	-B	2	C	0248	1.22	1.54			
	30	0238	0326	0254	N18	E38	.656	11060	3.0	48	1N		C	0254	2.58	3.37			
	30	0244E	0303D	0247	N17	E39	.663	11060	3.0	19D	-N		V	0244	1.60	1.60	2.24	CE	
	30	0246	0307	0249	N19	E39	.672	11060	3.0	21	-F		C	0249	.93	1.20		86 EJ	
223 CRON	30	0415	0428	0416	S10	W20	.387	11053	28.7	13	--F	2	C	0416	.11	.12		2	
224 TEHR	30	0432	0455	0436	S16	E06	.310	11053	30.6	23	--N		C		.45			DE 2	
GRP35225 TEHR ABST CRON CATA	30	0615	0648	0623	N17	E36	.627	11060	3.0	33	-N		C		1.33			4 4 4 6	
	30	0614	0652	0622	N18	E37	.644	11060	3.0	38	-N		C		.83			F	
	30	0614	0630D	0615	N17	E37	.639	11060	3.0	16D	1F		P	0615	2.70	3.50		EJ	
	30	0616	0647	0623	N16	E36	.623	11060	3.0	31	-N	2	C	0623	1.00	1.23			
	30	0630E	0645	0630	N17	E35	.615	11060	2.9	15D	-N		C	0630	.80	1.04	170	B	
GRP35228 TEHR CRON	30	0839	0901	0844	N17	E34	.603	11060	2.9	22	--N		C		.30			2 2 2 6	
	30	0836	0901	0844	N17	E34	.603	11060	2.9	25	-N		C		.36			DE	
	30	0842	0900	0844	N16	E34	.598	11060	2.9	18	-N	2	C	0844	.23	.27			
GRP35229 CANR CAPE CRON TEHR	30	0842	0854	0843	S12	E76	.973	11066	6.1	12	-N		C		.45			4 4 4 6	
	30	0841	0856	0843	S12	E75	.968	11066	6.0	15	-N	2	C	0843	.43				
	30	0842	0850	0843	S12	E77	.976	11066	6.1	8	-N		C	0843	.86				
	30	0842	0856	0843	S12	E75	.968	11066	6.0	14	-N	2	C	0843	.23				
	30	0842	0855	0843	S11	E77	.976	11066	6.1	13	-N		C		.27			DE	
GRP35231 CANR TEHR CATA	30	0956	1036	0958	N16	E34	.598	11060	3.0	40	--N		V		.30			3 3 2 8	
	30	0954	0957D	0957	N16	E35	.610	11060	3.0	3D	-N	2	V		.30				
	30	0955	1102	0957	N17	E34	.603	11060	3.0	67	-F		C		.36			DE	
	30	1000	1010	1000	N15	E34	.593	11060	3.0	10	-N		C	1000	.23	.29	191		
GRP35232 TEHR RAMY	30	1133	1201	1139	N18	E33	.596	11060	3.0	28	--F		C		.58			2 2 2 6	
	30	1129	1207	1137	N18	E33	.596	11060	3.0	38	-F		C		.64			DE	
	30	1136	1155	1140	N17	E33	.590	11060	3.0	19	-F		C		.52			DE	
GRP35236 RAMY BOUL	30	1553	1607	1557	S13	E87	.999	11066	7.2	14	-B		C					2 1 0 3	
	30	1553	1607D	1557U	S13	E87	.999	11066	7.2	14D	-B		C					DE	
	30	1559	1607	1601	S12	E74	.964	11066	6.2	8	-F	1	V						

SOLAR FLARES Confirmed NOVEMBER 1970

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 Hg	MAX. INT. %	
					LAT.	MER. DIST.												
	1970																	
	NOV																	
GRP35237	30	1622	1633	1626	N17	E28	.528	11060	2.8	11	--F						4 4 3 4	
RAMY	30	1620	1630	1625	N17	E28	.528	11060	2.8	10	-F						DE	
CANR	30	1621	1637		N16	E30	.547	11060	2.9	16	-N	2	V					
BOUL	30	1624	1634	1626	N17	E27	.515	11060	2.7	10	-N	1	V					
MCMA	30	1625E	1630D	1626	N17	E28	.528	11060	2.8	50	-F			1626	.41	.50	E	
GRP35238	30	1741	1813	1743	N24	E22	.520	11060	2.4	32	--F						3 3 3 3	
RAMY	30	1738	1815	1744	N23	E22	.510	11060	2.4	37	-F						DE	
PALE	30	1740	1811	1741	N25	E21	.521	11060	2.3	31	-N						F	
MCMA	30	1745	1756D		N25	E23	.540	11060	2.5	11D	-F			1753	.62	.70	E	
GRP35239	30	2011	2024	2014	N17	E28	.528	11060	2.9	13	--F						3 3 2 3	
RAMY	30	2010	2022	2012	N17	E29	.540	11060	3.0	12	-F						DE	
BOUL	30	2012	2029	2013	N17	E28	.528	11060	2.9	17	-F	1	V					
PALE	30	2018E	2022	2018E	N18	E27	.522	11060	2.9	4D	-F						F	
GRP35240	30	2132	2137	2134	N16	E28	.521	11060	3.0	5	--F						2 2 2 2	
RAMY	30	2132	2137D	2134U	N17	E29	.540	11060	3.1	5D	-F						DE	
PALE	30	2132	2137	2133	N15	E27	.501	11060	2.9	5	-F						DE	

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.

"Remarks":

- | | |
|---|---|
| <p>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.</p> | <p>N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the calcium II lines H or K.
P = Flare shows helium D₃ in emission.
Q = Flare shows the Balmer continuum in emission.
R = Marked asymmetry in Hα 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 Hα emission.
Y = Onset of a system of loop-type prominences.
Z = Major sunspot umbra covered by flare.</p> |
|---|---|

In the importance column "--" signifies the subflare has been confirmed by the ESSA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity nor are these subflares included in the Flare Index below.

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
701101	35.01	24.0	701111	11.38	24.0	701121	75.96	23.1
701102	74.43	24.0	701112	151.07	24.0	701122	45.62	24.0
701103	27.43	24.0	701113	111.96	24.0	701123	60.78	23.9
701104	114.69	24.0	701114	375.66	22.9	701124	4.67	24.0
701105	1559.51	24.0	701115	237.89	24.0	701125	1.07	20.2
701106	15.12	22.8	701116	1014.18	24.0	701126	0.00	16.9
701107	7.22	24.0	701117	425.45	24.0	701127	10.31	20.0
701108	5.92	24.0	701118	234.02	24.0	701128	11.97	22.3
701109	13.08	23.6	701119	201.46	24.0	701129	9.67	22.7
701110	40.45	24.0	701120	47.18	24.0	701130	31.40	24.0

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

SOLAR FLARES
Unconfirmed
NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	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. %	
	1970 NOV																	
555 CRON	01	0152	0207	0153	N18	W33	.574	11002	29.6	15	-N	V		.21				4
561 CRON	01	0619	0636		N22	W29	.547	11002	30.1	17	-F	V		.52				6
GRP34565 CANR CRON	01 01 01	1008 1007 1009	1016 1017 1015	1010 1009 1010	N15 N14 N15	W37 W38 W35	.614 .625 .588	11002 11002 11002	29.6 29.6 29.8	8 10 6	-F -F -F	2 C V	1009	.21 .21 .21	.27			2 2 2 7
GRP34566 TEHR CANR	01 01 01	1037 1037 1037	1044 1044 1044	1038 1038 1038	N13 N13 N13	W54 W53 W55	.809 .799 .819	11002 11002 11002	28.4 28.5 28.3	7 7 7	-F -F -F	C C 2 V		.27 .27	.40			2 2 1 7 DE
567 RAMY	01	1111	1133	1111	S10	E10	.301	11012	2.2	22	-F	C		.41				DE 6
569 TEHR	01	1204	1219	1207	N17	W66	.912	11002	27.6	15	-F	C		.57				DE 6
572 RAMY	01	1333	1345	1335	S11	E88	1.000	11019	8.2	12	-F	C						DE 5
573 MCMA	01	1356E	1430D		N14	W52	.789	11002	28.7	34D	-N	C	1357	.83	1.40			E 6
574 RAMY	01	1408	1424	1410	N20	E33	.584	11014	4.1	16	-F	C		.26				DE 5
575 MCMA	01	1408	1429	1415	S15	E90	1.000	11019	8.3	21	-N	C	1415					5
576 MCMA	01	1435	1443D	1438	N10	W60	.864	11002	28.1	8D	-N	C	1438	.41	.90			D 4
578 CANR	01	1609	1620	1614	S15	E20	.465	11012	3.2	11	-N	2 C	1614	.32	.36			4
580 PALE	01	1800	1813	1806	S10	E04	.258	11012	2.0	13	-F	C		.55				H 5
581 HUAN	01	1939	1942	1940	N15	W44	.702	11002	29.5	3	-F	1 C	1940	.12	.17			D 5
582 HUAN	01	1950	2008	1955U	N14	W45	.712	11002	29.5	18	-F	1 C	1955	.28	.39			D 5
584 HUAN	01	2147E	2153D	2148U	S12	E06	.300	11012	2.4	6D	-F	1 P	2148	.33	.34			D 3
587 PALE	01	2237E	2248	2237E	N12	W64	.896	11002	28.1	11D	-F	V		.21				3
588 PALE	01	2305	2313	2308	N15	E82	.988	11022	8.1	8	-F	V		.10				4
GRP34589 CRON KODA	02 02 02	0132 0132 0138E	0158 0158 0148D	(0142)	S11 S10 S11	W84 W87 W81	.996 .999 .990	11000 11000 11000	26.8 26.5 27.0	26 26 10D	-N -N -N	V V C		1.03 .21				2 2 2 7 E
593 CRON	02	0440	0453	0444	S12	E44	.728	11021	5.5	13	-F	1 C	0444	.23	.31			7
595 SIBE	02	0521	0610	0522	N17	W46	.729	11002	29.8	49	-F	C	0522	.77	1.20			52 DJ 6
596 CRON	02	0622	0640	0624	N15	W46	.725	11002	29.8	18	-N	1 C	0624	.33	.47			4
600 CANR	02	1034	1044	1037	S13	E77	.979	11019	8.2	10	-F	2 C	1037	.32				8
601 ABST	02	1041	1050	1045	N16	W49	.760	11002	29.8	9	-F	C	1045	.72	1.10			46 D 8
602 ABST	02	1049	1107	1051	N21	E23	.468	11014	4.2	18	-F	C	1051	1.53	1.70			CE 8
GRP34603 ABST MONT	02 02 02	1115 1114 1115	1119 1118D 1119	1117 1116 1117	N18 N17 N18	W70 W70 W69	.938 .937 .932	11002 11002 11002	28.2 28.2 28.3	4 4D 4	-F 1F -N	P P C		.98 1.18 .77				2 2 2 8 60 F
605 RAMY	02	1402	1416	1405	S33	E26	.703	11013	4.5	14	-F	C		.62				DE 6
606 HUAN	02	1412	1425	1420	S12	W04	.289	11012	2.3	13	-F	2 C	1420	.47	.49			E 8
608 HUAN	02	1542	1552D	1549	S11	W04	.272	11012	2.4	10D	-F	2 P	1549	.25	.26			D 3
610 HUAN	02	1555E	1602D	1602U	S12	W04	.289	11012	2.4	7D	-F	1 P	1602	.33	.34			E 4
614 LOCK	02	1819	1830	1822	S33	E24	.691	11013	4.6	11	-F	C						4
619 PALE	02	2025	2033	2029	N25	E32	.603	11018	5.3	8	-F	C		.26				4
627 PALE	03	0156E	0213	0157U	S08	E61	.883	11019	7.7	17D	-N	C		.27				6
628 PALE	03	0307	0321	0309	N21	E33	.590	11018	5.6	14	-N	C		.27				F 6
630 CRON	03	0631E	0639		N13	W61	.873	11002	29.7	8D	-F	V		.52				5
631 MANI	03	0647	0705	0651	S16	E63	.910	11019	8.0	18	-F	2	0651	.83	1.68			5

SOLAR FLARES Unconfirmed

NOVEMBER 1970

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 Hc	MAX. INT. %	
					LAT.	MER. DIST.												
	1970 NOV																	
632 CRON	03	0725E	0730		S13	W15	.387	11012	2.2	50	-F	V		.41				6
634 MONT	03	0914E	0920	0916	N19	W60	.869	11002	29.9	60	-N	C	0916	.77				9
635 RAMY	03	1128	1204	1137	S12	E60	.881	11019	8.0	36	-F	C		.83				DE 6
636 RAMY	03	1136	1153	1139	N20	E29	.535	11018	5.7	17	-F	C		.41				DE 6
637 RAMY	03	1154	1208	1157	S11	E90	1.000	11024	10.2	14	-F	C						DE 5
639 RAMY	03	1244	12570	1247	S16	E63	.910	11019	8.3	130	-F	C		.31				DE 5
645 HUAN	03	1622	1639	1628	S10	E50	.786	11019	7.4	17	-F	1 C	1628	.18	.29			E 4
650 PALE	03	1841	1901	1849	S16	E57	.865	11019	8.1	20	-F	C		.55				DE 4
652 RAMY	03	1903	1910	1907	N13	W71	.943	11002	29.5	7	-N	C		.31				DE 4
653 PALE	03	1955	2011	2001U	S08	E55	.831	11019	8.0	16	-F	C		.40				F 4
655 PALE	03	2319	2328	2322	N21	E22	.457	11018	5.6	9	-F	C		.19				5
656 PALE	04	0019	0126	0054	N10	E47	.731	11022	7.5	67	-F	C		.32				F 4
660 TEHR	04	0653	0659	0654	S08	E45	.725	11019	7.7	6	-F	C		.28				DE 5
662 TEHR	04	0733	0742	0735	N21	E20	.435	11018	5.8	9	-N	C		.28				DE 9
663 MONT	04	0904	0913	0908	S05	W31	.534	11012	2.1	9	-N	C	0908	.77				10
666 RAMY	04	1122	1143	1124	S27	W12	.547	11013	3.6	21	-F	C		.31				DE 8
670 RAMY	04	1355	1412	1357	N20	E11	.329	11018	5.4	17	-N	V		.41				DE 8
GRP34671	04	1414	1430	1416	N20	E14	.358	11018	5.6	16	-N			.21				2 2 2 8
HUAN	04	1413	1418D	1417	N20	E13	.348	11018	5.6	50	-N	2 P	1417	.18	.19			D
CATA	04	1415	1430	1415	N20	E14	.358	11018	5.6	15	-N		1415	.23	.25		176	
673 HUAN	04	1508	1535	1517	S17	E46	.767	11019	8.1	27	-F	2 C	1517	.28	.43			E 6
679 HUAN	04	2030	2055D	2041	N20	E10	.320	11018	5.6	250	-F	2 P	2041	.45	.48			E 4
680 BOUL	04	2037	2056	2037	S05	E12	.260	11021	5.8	19	-F	2 V						3
684 MANI	04	2340E	0021		S10	W42	.696	11012	1.8	410	-F	1	2341	1.44	2.00			4
687 KODA	05	0539E	0724D	0539	S11	W39	.664	11012	2.3	1050	-N	P	0539	1.75	1.76	1.44		CD 7
689 ZURI	05	0830E	1000	0834	S17	E29	.581	11019	7.5	900	-N	P	0834	.53	.60			9
GRP34690	05	1040	1133	1108	S27	W28	.658	11013	3.3	53	-F			.74				2 2 2 8
CATA	05	1040	1135	1105	S26	W28	.649	11013	3.3	55	-F		1105	.69	.92		146	
HUAN	05	1111E	1130	1111U	S28	W28	.667	11013	3.4	190	-F	1 P	1111	.78	1.03			E
703 CATA	06	0945	1000	0945	S06	W06	.200	11021	6.0	15	-N		0945	.40	.42		153	4
705 CANR	06	1138E	1138D		S09	W57	.850	11012	2.2		-N	2 V		.70				4
706 HUAN	06	1411	1418	1416	S09	W61	.884	11012	2.0	7	-F	2 C	1416	.28	.59			D 4
707 HUAN	06	1419	1430	1420	S10	W41	.684	11012	3.5	11	-F	1 C	1420	.15	.21			D 4
708 HUAN	06	1453	1457	1453U	S09	W61	.884	11012	2.0	4	-F	2 C	1453	.31	.65			D 5
711 HUAN	06	1732	1805D	1746	N22	W10	.351	11018	6.0	330	-F	2 P	1746	1.28	1.35			E 4
712 BOUL	06	1829	1849	1829	S08	E10	.267	11019	7.5	20	-F	1 V						3
GRP34729	07	1709	1726	1716	S28	W59	.906	11013	3.3	17	-F			.36				2 2 1 6
CANR	07	1705	1720		S27	W61	.916	11013	3.1	15	-N	2 V			.90			
PALE	07	1712	1732	1716	S28	W57	.894	11013	3.4	20	-F	C		.36				F
731 PALE	07	1807	1820	1811	N08	W04	.101	11022	7.5	13	-F	C		.27				F 4
GRP34734	08	0359	0451	0431	S16	W04	.343	11019	7.9	52	-F			1.75				2 2 2 7
CULG	08	0359	0508D	0431	S13	W07	.310	11019	7.6	690	1N	P	0431	3.09	3.15			
CRON	08	0428E	0434		S18	W01	.369	11019	8.1	60	-F	V		.41				
735 CULG	08	0500E	0508D		N12	E72	.949	11026	13.6	80	1N	P	0500	.93				6

SOLAR FLARES
Unconfirmed
NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMLATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
737 CATA	1970 NOV 08	0700	0715	0700	S10	W09	.281	11019	7.6	15	-N		0700	.14	.15		178	5
GRP34738 ISTA CATA	08 0733	0758	0740	S10	W82	.992	11012	2.2	25	-F			.23					2 2 1 6
	08 0733	0805		S10	W83	.994	11012	2.1	32	-N								
	08 0740E	0750	0740	S09	W80	.987	11012	2.3	100	-F		0740	.23				148	
741 CANR	08 1008	1019	1010	S10	W81	.990	11012	2.3	11	-N	2 C	1010	.32					6
743 HUAN	08 1302	1311	1305	S07	W43	.697	11021	5.3	9	-F	1 C	1305	.05	.07				D 8
745 LOCK	08 1600	1610	1603	S05	W44	.705	11021	5.4	10	-F	C							4
746 HUAN	08 1631E	1635	1632	S06	W44	.707	11021	5.4	40	-F	1 P	1632	.07	.10				E 5
748 HUAN	08 1752	1810	1758U	S07	W44	.709	11021	5.4	18	-F	1 P	1758	.21	.30				E 6
749 HUAN	08 1818	1823	1820	N13	E63	.890	11026	13.5	5	-F	2 C	1820	.25	.57				E 6
750 BOUL	08 2033	2054	2037	S05	W45	.717	11021	5.5	21	-N	1 V							4
752 MITK	09 0618	0627	0621	S09	W76	.973	11012	3.6	9	-F	C	0621	.93					DG 5
753 TEHR	09 1041	1053	1042	N23	W43	.718	11018	6.2	12	-F	C		.36					DE 5
754 HUAN	09 1149	1215D	1205U	N16	W50	.774	11030	5.7	260	-N	1 P	1205	.28	.44				E 5
755 HUAN	09 1203	1215	1209	N08	E69	.932	11029	14.7	12	-F	2 C	1209	.15					D 5
756 HUAN	09 1209	1215D	1213	N16	W51	.784	11030	5.7	60	-F	2 P	1213	.31	.49				D 5
758 MONT	09 1330	1340	1332	S04	W61	.878	11021	5.0	10	-N	C	1332	1.13					5
759 HUAN	09 1333	1424D	1348	N16	W51	.784	11030	5.7	510	-F	1 P	1348	.18	.28				D 4
760 HUAN	09 1530E	1539	1531U	N16	W53	.804	11030	5.7	90	-F	1 P	1531	.21	.34				D 3
763 HUAN	09 1628	1741D	1637U	N16	W53	.804	11030	5.7	730	-N	1 P	1637	.15	.26				D 4
766 HUAN	09 1810	1857	1826	N16	W56	.833	11018	5.6	47	-B	1 C	1826	.25	.43				D 4
768 CRON	09 2142E	2151		N15	E63	.891	11029	14.6	90	-N	V		.41					4
771 CRON	09 2359	0005	0001	N16	W57	.842	11030	5.7	6	-N	1 C	0001	.23	.40				5
772 MANI	10 0035	0106		N19	W55	.828	11018	5.9	31	-F	2	0044	1.13	1.93				4
778 TEHR	10 0810	0830	0815	S08	E90	1.000	11032	17.1	20	-N	C		.28					DE 7
GRP34781 HUAN CAPS	10 1144	1202	1146	S17	W35	.645	11019	7.9	18	-F			.12					2 2 1 7
	10 1144	1202	1146	S15	W35	.633	11019	7.9	18	-N	2 C	1146	.12	.16				D
	10 1146E	1150D		S18	W35	.651	11019	7.9	40	-F	1 V							C
782 HUAN	10 1158	1242	1209	N16	W67	.920	11018	5.5	44	-F	2 C	1209	.45	1.04				D 7
783 HUAN	10 1218	1243	1230	N15	E56	.832	11029	14.7	25	-F	2 C	1230	.51	.91				6
784 HUAN	10 1310	1329	1318	N14	E57	.840	11029	14.8	19	-N	2 C	1318	.25	.44				DH 6
GRP34785 HUAN CATA	10 1319	1349	1326	N16	W67	.920	11018	5.5	30	-F			.10					2 1 1 7
	10 1319	1349	1326U	N16	W67	.920	11018	5.5	30	-F	1 P	1326	.10	.24				D
	10 1325	1350	1340	N17	W64	.900	11018	5.8	25	-N		1340	.17	.40				188
786 HUAN	10 1350	1409D	1355	N15	E56	.832	11029	14.8	190	-F	1 P	1355	.51	.91				DH 6
788 BOUL	10 1550	1610	1553	N16	E51	.784	11029	14.5	20	-F	1 V							3
789 BOUL	10 1558	1615	1559	N16	W65	.907	11030	5.8	17	-F	1 V							3
798 CRON	10 2200E	2204		S13	E86	.999	11032	17.4	40	-N	V		.21					4
799 KODA	11 0203E	0246D	0218	S09	E83	.994	11032	17.3	430	1N	P	0207	2.15	2.10	2.08			CD 4
802 CATA	11 0830	0850	0835	N16	E48	.753	11029	15.0	20	-N		0835	.58	.88				182 11
803 ARCE	11 0905	0936	0915	S12	E85	.997	11032	17.8	31	-F	C	0915	.15	.60				D 6
GRP34806 MONT RAMY	11 1207	1224	1212	N13	E42	.677	11029	14.7	17	-F			2.27					2 2 1 7
	11 1207	1224	1212	N15	E42	.682	11029	14.7	17	-N	C	1212	2.27					
	11 1207E	1220D		N11	E41	.661	11029	14.6	130	-F	C							DE

SOLAR FLARES
Unconfirmed
NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
					LAT.	MER. DIST.														
	1970																			
	NOV																			
807 BOUL	11	1439	1448	1441	N15	E40	.657	11029	14.6	9	-N	1	V					5		
809 HUAN	11	1541E	1630	1543U	N14	W80	.983	11018	5.7	49D	-N	2	P	1543	.35			E	4	
810 HUAN	11	1541E	1631D	1612	S10	E74	.965	11032	17.2	50D	-N	2	P	1612	.25			D	3	
811 HUAN	11	1641E	1652D	1644	S14	W54	.832	11019	7.6	11D	-F	1	P	1644	.28	.50		D	3	
817 CRON	11	2222E	2245		N13	W80	.983	11018	5.9	23D	-N		V		.31				5	
818 LOCK	11	2320	2325	2322	N16	E36	.610	11029	14.7	5	-F		C						6	
819 VORO	11	2352	2356	2354	N16	E36	.610	11029	14.7	4	-F		C	2354	.46	.60		85	DJ	6
820 MITK	12	0019	0050	0032	N14	E35	.590	11029	14.6	31	-N		C	0032	1.03	1.30			E	5
822 KODA	12	0149E	0156D		N15	E35	.594	11029	14.7	7D	1N		P	0149	3.19	3.20			E	5
823 MITK	12	0342	0351	0344	N05	E90	1.000	11035	18.9	9	-B		C	0344	.52				D	5
825 HURB	12	0805E	0820D	0807	N07	W90	1.000	11018	5.6	15D	1N						3.69		A	11
826 ARCE	12	0823E	0827		N15	W90	1.000	11018	5.6	4D	-N		P	0826	.25	1.40			E	11
827 ARCE	12	0838	0842	0839	N16	W90	1.000	11018	5.6	4	-B		C	0839	.31	1.80				12
830 CANR	12	0920	0925	0922	N05	E72	.950	11035	17.8	5	-N	2	C	0922	.32					10
831 CANR	12	1021	1027	1024	N13	E26	.462	11029	14.4	6	-N	2	C	1024	.32	.36				7
833 MONT	12	1130	1135	1131	N13	E25	.447	11029	14.4	5	-N		C	1131	1.13					9
835 CATA	12	1230	1240	1230	N17	W90	1.000	11030	5.8	10	-N			1230	.23			188		11
837 CANR	12	1329	1340	1332	S18	W65	.923	11019	7.7	11	-N	2	C	1332	.11					8
842 RAMY	12	1521	1536	1524	N09	E78	.977	11035	18.5	15	-F		C		.31				DE	5
853 PALE	12	2135E	2139	2135E	N12	E25	.442	11029	14.8	4D	-N		V		.52					3
857 CRON	13	0313	0335	0326U	N14	E20	.384	11029	14.6	22	-N	1	C	0326	.33	.35				5
859 CRON	13	0503	0510		N12	E22	.399	11029	14.9	7	-F		V		.31					2
861 HURB	13	0842E	0854	0845	N15	E09	.256	11029	14.0	12D	-F						1.54			11
862 UCCL	13	0921E	0948		N14	E15	.315	11029	14.5	27D	-F		P	0921	.52	.60			DIJ	7
863 UCCL	13	0934	0953D	0941	N13	E15	.306	11029	14.5	19D	-F		P	0941	1.03	1.10			EIJ	8
864 CAPS	13	1005E	1058D		N13	E11	.254	11029	14.2	53D	-F	3	V	1006	.70	.70				9
GRP34865	13	1024	1038	1025	N14	E02	.192	11026	13.6	14	-F				.36				2 2 2	8
CANR	13	1024	1037	1025	N14	E02	.192	11026	13.6	13	-F	1	C	1025	.21	.21				
UCCL	13	1030E	1039		N13	E02	.175	11026	13.6	9D	-N		P	1030	.50	.70			EIJ	
868 HUAN	13	1231	1235	1232	N15	E13	.300	11029	14.5	4	-N	1	P	1232	.15	.16			D	8
871 HUAN	13	1457E	1509	1500	N15	E15	.325	11029	14.7	12D	-N	1	P	1500	.31	.32			D	5
872 HUAN	13	1528	1533D	1532	N15	E46	.729	11035	17.1	5D	-F	1	P	1532	.25	.36			D	4
887 MANI	14	0048	0100	0052	S08	E25	.458	11032	15.9	12	-N	1		0052	.41	.52				5
GRP34893	14	0519	0529	(0519)	N12	W05	.178	11026	13.8	10	-F				.72				1 1 1	8
MANI	14	0519E	0529		N13	W04	.187	11026	13.9	10D	-F	2		0519	.72	.74				
MANI	14	0519	0529	0521	N12	W06	.187	11026	13.8	10	-F	1		0521	.62	.63				
GRP34894	14	0528	0618	0531	N17	E06	.262	11029	14.7	50	-F				1.71				2 1 1	6
ABST	14	0528	0618D	0531	N17	E06	.262	11029	14.7	50	-F		P	0531	1.71	1.80			F	
TEHR	14	0559	0630	0601	N16	E06	.247	11029	14.7	31	-N		C		.23				DE	
895 MANI	14	0738E	0756		N18	E03	.264	11029	14.5	18D	-N	2		0751	.62	.63				6
899 TEHR	14	1116	1127	1118	N17	E05	.256	11029	14.8	11	-F		C		.23				DE	6
912 LOCK	14	1805	1825	1810	S17	W81	.991	11019	8.7	20	-N		C							4
920 MANI	14	2335	2353		N18	W03	.264	11029	14.8	18	-F	2		2339	.52	.53				5

SOLAR FLARES
Unconfirmed
NOVEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	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 H α	MAX. INT. %			
	1970																			
	NOV																			
921	MANI	15	0004	0022	0008	N16	E29	.521	11035	17.2	18	-N	2	0008	.31	.36		4		
922	MANI	15	0019	0059	0037	N15	W12	.291	11029	14.1	40	-N	2	0037	.72	.76		4		
923	MANI	15	0045	0105	0046	N17	W04	.253	11029	14.7	20	-N	2	0046	.41	.43		4		
926	MANI	15	0321	0334		N15	W15	.328	11029	14.0	13	-N	2	0322	.31	.33		4		
927	MANI	15	0404	0423	0407	S15	W81	.990	11024	9.1	19	-N	2	0407	.41	1.10		3		
932	CATA	15	1125E	1145D	1125	N15	E14	.315	11035	16.5	20D	-N		1125	.40	.46	158	4		
936	RAMY	15	1415E	1445D	1415U	N16	W15	.338	11029	14.5	30D	-F	C		.83			DE	4	
948	LOCK	15	2340	2347D	2345	N15	W21	.407	11029	14.4	7D	-F	C						5	
949	MITK	15	2350	2359	2355	N16	W20	.401	11029	14.5	9	-F	C	2355	.93	1.00		E	4	
952	VORO	16	0056	0059	0057	N07	E39	.630	11035	19.0	3	-F	C	0057	.74	.90	85	D	5	
954	CRON	16	0518E	0522D		N17	E35	.605	11035	18.8	4D	-F	V		.31				4	
959	ABST	16	0721E	0731D	0724	N17	W24	.462	11029	14.5	10D	-F	P	0724	.90	1.00		FJ	7	
966	HUAN	16	1153	1206	1157	N16	W24	.455	11029	14.7	13	-F	2	C	1157	.88	.99		E	5
968	CANR	16	1220	1242		S03	E85	.996	11041	22.9	22	-F	2	V		.70				4
971	HUAN	16	1455E	1508	1459	S10	E09	.269	11032	17.3	13D	-F	1	P	1459	.23	.24		D	3
978	RAMY	16	1921	1952	1928	N06	E12	.215	11035	17.7	31	-N		C	.41				DE	4
981	BOUL	16	2033	2054	2033	N10	E07	.174	11035	17.4	21	-F	2	V						4
985	PALE	16	2233	2235D		N01	E26	.439	11035	18.9	2D	-N		C					F	6
990	SIBE	17	0230	0242D	0234	N15	E05	.230	11035	17.5	12D	-F		C	0234	.40	.40	68	CE	5
991	CRON	17	0342	0348	0343	S12	W06	.272	11032	16.7	6	-N	1	C	0343	.23	.21			4
994	TEHR	17	0548	0612	0551	N18	W47	.749	11027	13.7	24	-F		C	.45				DE	6
001	CANR	17	1046	1046D		N15	W02	.217	11035	17.3		-F	2	V		.30				5
002	TEHR	17	1050E	1104	1052U	N14	W03	.203	11035	17.2	14D	-N		C	.45				DE	6
006	TEHR	17	1213	1243D	1220	N07	E12	.220	11035	18.4	30D	-N		C	.45				DE	6
008	RAMY	17	1240	1253	1243	S10	W05	.235	11032	17.2	13	-N		C	.62				DE	5
010	RAMY	17	1333	1350	1336	N15	W04	.225	11035	17.3	17	-F		C	.52				DE	4
011	RAMY	17	1416	1433	1420	N15	W04	.225	11035	17.3	17	-F		C	.57				DE	6
016	MCMA	17	1713E	1720D		N16	W41	.675	11029	14.6	7D	-F		C	1715	.31	.30		E	5
030	CRON	18	0508	0520	0510	N02	E03	.053	11035	18.4	12	-N	1	C	0510	.44	.43			5
031	TEHR	18	0633	0650	0638	S13	W16	.378	11032	17.1	17	-F		C	.83				F	4
033	CRON	18	0720	0725		N08	E85	.996	11045	24.7	5	-N		V	.21					6
034	CATA	18	0820	0850	0830	N03	E01	.019	11035	18.4	30	-N			0830	.40	.41	170		7
041	TEHR	18	1109	1138	1116	N16	W67	.922	11026	13.4	29	-F		C	1.09				FH	6
042	TEHR	18	1126	1144	1129	N15	W17	.357	11035	17.2	18	-N		C	.28				DE	6
045	MONT	18	1410	1423D	1412	N08	W24	.415	11035	16.8	13D	-N		C	1412	.21				5
046	CANR	18	1431	1441	1433	S11	W24	.461	11032	16.8	10	-F	1	C	1433	.32	.36			4
047	BOUL	18	1446	1451	1447	S09	W27	.489	11032	16.6	5	-N	1	V						3
053	LOCK	18	2008	2014	2010	S12	W23	.455	11032	17.1	6	-F		C						4
057	CULG	18	2208E	2241	2213	N11	E77	.973	11045	24.7	33D	1N		P	2213	.93				2
064	CULG	19	0539	0557D	0555	N17	W37	.632	11035	16.5	18D	1N		P	0555	2.99	3.77			3

SOLAR FLARES

Unconfirmed

NOVEMBER 1970

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 H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1970																	
	NOV																	
GRP35068	19	0844	0858	0847	N17	W64	.902	11029	14.6	14	-B						2 2 2 8	
TEHR	19	0842	0900	0844	N17	W63	.895	11029	14.6	18	-N	C					FDE	
CATA	19	0845	0855	0850	N16	W65	.909	11029	14.5	10	-B		0850	.41		209		
071 CRON	19	0943	0947		N05	W15	.262	11035	18.3	4	-F	V		.31			5	
075 TEHR	19	1121	1140	1122	N18	W62	.888	11029	14.8	19	-F	C		.28			DE 5	
077 TEHR	19	1145	1226	1148	N04	E60	.865	11046	24.0	41	-N	C		.28			DE 5	
083 BOUL	19	1549	1556	1550	N04	W16	.277	11035	18.5	7	-N	1 V					5	
GRP35084	19	1622	1640	1627	N02	W24	.407	11035	17.9	18	-N						2 2 0 5	
CANR	19	1620	1640		N01	W29	.485	11035	17.5	20	-N	1 V		.70				
BOUL	19	1623	1642	1627	N06	W15	.265	11035	18.6	19	1N	1 V						
BOUL	19	1623	1640	1625	S00	W24	.409	11035	17.9	17	-N	1 V						
085 RAMY	19	1629	1644E	1633	N14	W68	.928	11029	14.6	150	-F	C		.41			DE 5	
087 RAMY	19	1659	1705D	1702	S11	W37	.632	11032	16.9	60	-N	C		.41			DE 5	
097 CRON	20	0730	0736		N22	E77	.975	11048	26.1	6	-F	V		.52			3	
098 ARCE	20	0845	0910	0900	N04	W29	.485	11035	18.2	25	-F	C	0900	.54	.60		6	
099 CRON	20	0919	0930	0923U	N04	W26	.439	11035	18.4	11	-F	1 C	0923	.23	.24		7	
101 HUAN	20	1118E	1137D	1118U	N11	W24	.428	11035	18.7	190	-N	1 P	1118	.21	.23		D 4	
102 HUAN	20	1128	1137D	1132	N15	W85	.996	11029	14.1	90	-F	1 P	1132	.21			D 4	
109 BOUL	20	1828	1845	1830	N15	W88	.999	11029	14.2	17	-F	1 V					3	
116 CRON	21	0824E	0832	0824	N14	W60	.870	11035	16.9	80	-F	V					6	
117 CATA	21	0835	0900	0850	N16	W60	.871	11035	16.9	25	-N		0850	.58	1.19	191	5	
126 CRON	21	2226	2237		N10	E55	.821	11048	26.1	11	-F	V		.72			4	
130 MITK	22	0316	0324	0318	N05	W45	.707	11035	18.8	8	-F	C	0318	.83	1.10		E 5	
132 ISTA	22	0711	0740		N09	W19	.344	11051	20.9	29	-N						6	
133 ISTA	22	0753	0815		N05	W49	.755	11035	18.7	22	-F						6	
135 CATA	22	0910	0920	0915	N07	W48	.744	11035	18.8	10	-N		0915	.23	.35	182	9	
136 ARCE	22	0945	0954D	0947	N05	W58	.848	11035	18.1	90	-F	C	0947	.25	.50		8	
GRP35137	22	1110	1135	1115	N08	W59	.857	11035	18.0	25	-B			.46			2 2 2 6	
CATA	22	1105E	1130	1115	N08	W57	.839	11035	18.2	250	-B		1115	.40	.77	204		
UCCL	22	1115	1140D	1115	N08	W60	.866	11035	18.0	250	-N	P	1115	.52			EI	
140 HUAN	22	1445E	1536D	1453	N08	E28	.477	11045	24.7	510	-F	1 P	1453	.63	.72		E 5	
141 HUAN	22	1445E	1522	1456	N05	W52	.788	11035	18.7	370	-F	1 P	1456	.21	.32		D 5	
147 PALE	22	2213E	2214D	2213E	N12	W74	.961	11035	17.4	10	-F	V		.21			F 3	
148 PALE	22	2336E	2339	2336E	N08	W66	.913	11035	18.0	30	-F	V		.36			4	
149 CRON	22	2345	0004D		N08	W57	.839	11035	18.7	190	-N	V					3	
152 CULG	23	0342	0426	0357	N06	W67	.920	11035	18.1	44	1N	C	0357	1.03			R 4	
153 CRON	23	0505E	0505D		N12	W90	1.000	11035	16.5		2N	V					5	
155 MONT	23	1020	1034	1024	N09	E15	.284	11045	24.6	14	-N	C	1024	1.55			7	
156 MONT	23	1033	1036	1034	N03	W59	.857	11035	19.0	3	-N	C	1034	.52			6	
157 WEND	23	1048E	1117		N07	W30	.505	11051	21.2	290	2N	V		6.19			5	
158 CANR	23	1052E	1052D		N05	W62	.882	11035	18.8		-N	2 V		.60			6	
161 RAMY	23	1310	1323	1313	N05	W63	.891	11035	18.8	13	-F	C		.52			DE 7	
172 CULG	23	2355	0105	0027	N06	W73	.956	11035	18.5	70	1N	C	0027	1.24			4	

SOLAR FLARES

Unconfirmed

NOVEMBER 1970

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.														
	1970																			
	NOV																			
173	VORO	24	0246	0253	0248	N04	W77	.974	11035	18.3	7	-F	C	0248	.46	1.90		87	D	4
174	GRON	24	0317	0326	0318	N08	W42	.673	11051	21.0	9	-N	1 C	0317	.33	.43				4
177	CATA	24	0635	0650	0640	S16	W33	.604	11056	21.8	15	-N		0640	.23	.29		170		7
179	MONT	24	0944	0949	0946	N12	W88	.999	11035	17.8	5	-N	C	0946	.77					13
180	RAMY	24	1736E	1752		N13	W85	.996	11035	18.4	16D	-N	V						DE	4
182	LOCK	24	1933	1941	1936	S00	W82	.990	11035	18.7	8	-F	C							4
183	HUAN	24	1948E	1949	1948U	S07	E57	.844	11053	29.1	1D	-F	1 P	1948	.56	.97			D	4
184	LOCK	24	2133	2142	2135	N13	W82	.990	11035	18.7	9	-F	C						H	4
185	LOCK	24	2150	2156	2152	N10	W82	.990	11035	18.8	6	-F	C							4
GRP35186	TEHR	25	0704	0736	0712	N02	W18	.309	11046	23.9	32	-F			.48					2 2 2 6
	CATA	25	0702	0741	0709	N01	W18	.309	11046	23.9	39	-F	C		.27					DEH
		25	0705	0730	0715	N02	W17	.292	11046	24.0	25	-F		0715	.69	.73		138		
187	HTPR	25	1034	1045	1039	N14	E04	.224	11048	25.7	11	-F	C	1039	.62	.60				10
188	MONT	25	1139	1149	1142	N14	E04	.224	11048	25.8	10	-F	C	1142	1.13				H	10
GRP35190	CATA	25	1411	1427	1413	S13	E69	.940	11053	30.8	16	-N			.32				2 2 2 7	
	RAMY	25	1410	1420	1412	S14	E67	.928	11053	30.6	10	-N		1412	.23			178		DE
		25	1412	1434	1414	S12	E71	.950	11053	30.9	22	-N	C		.41					
191	HUAN	25	1431	1441	1433	N14	E02	.216	11048	25.8	10	-F	2 C	1433	.66	.68			E	8
GRP35195	CAPS	26	1357	1430	1415	S12	E56	.841	11053	30.8	33	-N			.90				2 1 1 6	
	CATA	26	1357E	1430D		S12	E56	.841	11053	30.8	33D	-N	3 V	1400	.90	1.80		164		
		26	1408E	1423	1415	S15	E53	.819	11053	30.6	15D	-N		1415	.87	1.56		158		
198	MONT	27	1019	1028	1023	N22	E90	1.000	11060	4.2	9	-N	C	1023	.77					8
199	MONT	27	1030	1041	1035	N22	E90	1.000	11060	4.2	11	-N	C	1035	.77					5
GRP35200	CAPS	27	1352	1404	1357	S15	E41	.691	11053	30.7	12	-F			.43				2 2 2 8	
	HUAN	27	1352E	1405D		S16	E40	.684	11053	30.6	13D	-F	3 V	1355	.40	.60				
		27	1352E	1402	1357U	S13	E41	.684	11053	30.7	10D	-F	1 P	1357	.45	.62				
207	CAPS	28	1126E	1145D		S15	E30	.557	11053	30.7	19D	-F	3 V	1127	1.00	1.20				6
208	RAMY	28	1425	1452D	1428	N12	E48	.752	11060	2.2	27D	-F	V		.62				DE	4
215	CAPE	29	0717	0740	0730	S14	E90	1.000	11066	6.1	23	-N	C	0730	.86					5
216	CATA	29	0823E	0840	0823	N14	E44	.711	11060	2.6	17D	-N		0823	.17	.25		182		4
217	RAMY	29	1216E	1222D		S11	E85	.997	11066	5.9	6D	-N	V						DE	5
218	RAMY	29	1421	1430		S10	E88	1.000	11066	6.2	9	-N	C						DE	5
GRP35226	TEHR	30	0654	0719	0702	N08	W59	.859	11061	25.9	25	-N			.37				2 2 2 6	
	CATA	30	0653	0722	0659	N07	W59	.858	11061	25.9	29	-N	C		.27				DE	
		30	0655	0715	0705	N08	W58	.850	11061	25.9	20	-N		0705	.46	.90		162		
227	TEHR	30	0813	0824	0815	N23	E53	.828	11060	4.3	11	-F	C		.27				DE	5
230	CRON	30	0917	0945	0921	N24	E25	.550	11060	2.3	28	-N	2 C	0921	.33	.40				8
233	RAMY	30	1253	1313	1257	N17	E32	.578	11060	2.9	20	-F	C		.41				DE	6
234	BOUL	30	1501	1507	1503	S12	E74	.964	11066	6.2	6	-F	1 V							3
235	RAMY	30	1545	1600	1548	N20	E38	.665	11060	3.5	15	-F	C		.52				DE	4