SOLAR FLARES
Confirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	COND.	OBS. TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
053 BOUL	01	0012	0022D	0016	N12	E61	.875	12417	5.6	10D	--F		V	0016		.60			2
GRP49055	01	0753	0809	0757	N12	E62	.883	12417	6.0	16	-N				.48				5 5 4 9
MEUD	01	0746	0803	0755	N12	E64	.899	12417	6.1	17	-F		C						
CRON	01	0753	0806	0758	N13	E64	.899	12417	6.1	13	-N		V	0758	.46				
CANR	01	0754	0805	0755	N14	E58	.851	12417	5.7	11	-N		V	0754	.41	.70			
CATA	01	0755	0805	0755	N11	E63	.891	12417	6.1	10	-N	3		0755	.40	.89	1.74		
ATHN	01	0756	0827	0800	N12	E61	.875	12417	5.9	31	-N	3	C		.66				DE
061 BOUL	01	2132E	2150	2132E	S07	E44	.707	12414	5.2	18D	--F		V	2133	.70	1.00			2
	02	0145	0154	NO FLARE PATROL															
GRP49066	02	1807	1815	1809	N05	E33	.544	12417	5.2	8	--F				.26				2 2 1 5
MEUD	02	1807	1815	1809	N04	E35	.573	12417	5.4	8	-N		C						
MCMA	02	1809E	1809D		N05	E31	.515	12417	5.1		-F		P	1809	.26	.30			D
	02	1852	1914	NO FLARE PATROL															
GRP49067	02	2105	2118	2109	S07	E33	.565	12414	5.4	13	-N				.76				2 2 2 2
PALE	02	2105	2115	2109U	S07	E32	.551	12414	5.3	10	-N	3	C		.36				F
BOUL	02	2108E	2121	2109	S06	E34	.575	12414	5.4	13D	-N		V	2109	1.20	1.40			
	02	2116	2145	NO FLARE PATROL															
	02	2205	2225	NO FLARE PATROL															
068 BOUL	02	2332E	2335D	2335	S06	E33	.561	12414	5.5	3D	--N		V	2335	.70	.80			2
6 STATIONS REPORTING GROUP 49072. 4 STATIONS OBSERVING AND NOT REPORTING.																			
GRP49072	03	0719	0731	0723	S06	E30	.520	12414	5.6	12	--N				.83				4 4 3 9
MEUD	03	0717	0729D		S06	E28	.491	12414	5.4	12D	-N		C						
ZURI	03	0720	0736	0724	S06	E36	.603	12414	6.0	16	-N		C	0724	.73	.80			
MONT	03	0721	0728	0724	S06	E27	.476	12414	5.3	7	-N		C	0724	.72				
CRON	03	0722E	0730	0722E	S07	E27	.481	12414	5.3	8D	-F		V	0722	1.03				
49072	03	0725	0745	(0734)	S07	E28	.496	12414	5.4	20	*-F				.21				2 2 1 9
ISTA	03	0729E	0745		S06	E28	.491	12414	5.4	20D	-F								
UPIC	03	0734E	0734D		S07	E27	.481	12414	5.3		-F		P	0734	.21				E
GRP49075	03	1540	1556	1541	N14	E24	.440	12417	5.5	16	--N				.28				3 3 2 6
BOUL	03	1539	1602D	1541	N15	E24	.446	12417	5.5	23D	-N		V	1541					
CATA	03	1540	1550	1540	N14	E25	.454	12417	5.5	10	-N	3		1540	.29	.32	1.66		
MCMA	03	1542E	1542D		N14	E24	.440	12417	5.5		-N		P	1542	.26	.30			D
	03	1739	1750	NO FLARE PATROL															
	03	1800	1824	NO FLARE PATROL															
	03	1828	1844	NO FLARE PATROL															
	03	1855	1906	NO FLARE PATROL															
GRP49076	03	1927	1945	1934	N15	E23	.432	12417	5.5	19	--N				.52				4 4 3 4
RAMY	03	1922	1935D	1932	N15	E22	.419	12417	5.5	13D	-N	4	C		.74				DE
HUAN	03	1923	1945	1936	N15	E23	.432	12417	5.5	22	-N	2	C	1936	.46	.51			
PALE	03	1928E	1931D	1928U	N15	E23	.432	12417	5.5	3D	-N	3	C		.36				F
BOUL	03	1935	1946D	1939	N15	E22	.419	12417	5.5	11D	-N		V	1937		.80			
GRP49078	04	0202	0238	0215	S08	E13	.294	12414	5.1	36	-B				1.89				2 2 2 3
CRON	04	0201	0238	0211	S08	E12	.282	12414	5.0	37	1N		V	0211	2.06				
CRON	04	0201	0238	0206	S08	E12	.282	12414	5.0	37	-N		V	0206	.93				
PALE	04	0202	0225D	0218	S07	E13	.284	12414	5.1	23D	-B	3	C		1.71				DE
GRP49079	04	0932	0944	0938	N15	E15	.324	12417	5.5	12	--F				.46				6 6 5 6
MONT	04	0929	0940	0936	N15	E15	.324	12417	5.5	11	-N		C	0936	.41				E
CATA	04	0930	0945	0940	N14	E15	.315	12417	5.5	15	-F	3		0940	.29	.30	1.45		
ATHN	04	0930	0942	0936	N14	E15	.315	12417	5.5	12	-N	3	C		.66				F
MEUD	04	0930	0942	0938	N16	E15	.335	12417	5.5	12	-F		C						
ARCE	04	0933E	0933D		N14	E15	.315	12417	5.5		-F		C	0933	.42	.40			
ZURI	04	0940	0950	0942	N15	E14	.312	12417	5.5	10	-F		C	0942	.52	.50			
GRP49081	04	1229	1238	1233	N15	E14	.312	12417	5.6	9	--N				.76				4 4 2 6
MEUD	04	1222	1235	1230	N14	E14	.302	12417	5.6	13	-N		C						
BOUL	04	1228	1238	1230	N15	E12	.286	12417	5.4	10	-F		V	1230		.60			
ATHN	04	1228E	1236	1231	N14	E17	.341	12417	5.8	8D	-N	4	V		.66				DE
ZURI	04	1238	1244	1240	N15	E13	.300	12417	5.5	6	-N		C	1240	.85	.90			
085 RAMY	04	1718	1742	1724	S06	E07	.200	12414	5.2	24	--F	3	C		.56				DE 2

Note: Catania and Capri-S express Maximum Intensities in percent of the local undisturbed chromosphere instead of percent of the local continuum. Parentheses are used to indicate this difference.

SOLAR FLARES
Confirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP49086	04	1821	1847	1826	N15	E11	.276	12417	5.6	26	--N				.46				3 3 2 3
BOUL	04	1821	1843	1826	N15	E12	.288	12417	5.7	22	-F		V	1826		.70			
RAMY	04	1821	1850	1823	N16	E11	.289	12417	5.6	29	-N	3	C		.37				DE
PALE	04	1821	1835D	1830	N15	E11	.276	12417	5.6	14D	-N	3	C		.55				F
087 RAMY	04	1925E	1931D	1931	S07	E07	.214	12414	5.3	6D	--F	2	C		.46				DE 2
088 PALE	04	1948E	2005	1957	S07	E07	.214	12414	5.3	17D	--F	3	C		.72				F 4
089 PALE	04	2125	2143	2131	N15	E11	.276	12417	5.7	18	--F	3	C		.27				2
090 MCMA	04	2249E	2249D		S07	E03	.184	12414	5.2		--N		P	2249	.31	.30			EH 2
GRP49091	05	0114	0136	0120	N12	E11	.241	12417	5.9	22	--N				.66				2 2 2 3
PALE	05	0114	0136	0117	N11	E11	.231	12417	5.9	22	-N	3	C		.91				F
MANI	05	0120E	0135	0122U	N12	E11	.241	12417	5.9	15D	-N	1		0122	.41	.43			F
GRP49092	05	0229	0236	0232	N16	E08	.258	12417	5.7	7	--F				.24				2 2 2 3
PALE	05	0229	0236	0232	N16	E08	.258	12417	5.7	7	-F	3	C		.27				
MANI	05	0230E	0236D	0231U	N15	E07	.235	12417	5.6	6D	-F	1		0231	.21	.21			H
093 PALE	05	0254	0258	0254	S09	E03	.219	12414	5.3	4	--F	3	C		.27				2
098 RAMY	05	1912	1935D	1914U	N16	E02	.223	12417	5.9	23D	--F	2	C		.19				DE 4
GRP49099	05	2201	2231	2206	S07	W12	.272	12414	5.0	30	--N				.86				3 3 2 3
PALE	05	2201	2231	2205	S07	W12	.272	12414	5.0	30	-N	3	C		.99				F
BOUL	05	2202E	2224D	2207	S07	W11	.260	12414	5.1	22D	-F		V						
MCMA	05	2205E	2231D		S06	W13	.275	12414	4.9	26D	-N		P	2205	.72	.70			E
100 PALE	05	2251	2303	2255	S08	W12	.283	12414	5.1	12	--F	2	C		.27				F 2
101 PALE	06	0040E	0052	0041U	S07	W10	.249	12414	5.3	12D	--F	2	V		.26				DE 2
102 ATHN	06	0543	0606	0547	S06	W10	.237	12414	5.5	23	--F	2	C		.33				DE 4
GRP49106	06	0727	0743	0732	S06	W13	.276	12414	5.3	16	--N				.51				8 8 8 10
CATA	06	0725	0740D	0740	S07	W14	.299	12414	5.3	15D	-N	3		0740	.29	.30	1.66		
MONT	06	0726	0735D	0728	S07	W11	.261	12414	5.5	9D	-N		C	0728	.41				D
ATHN	06	0727	0745	0730	S07	W13	.286	12414	5.3	18	-N	2	C		.50				DE
CANR	06	0728	0736	0730	S06	W13	.276	12414	5.3	8	-N		V	0730	.41	.40			
UPIC	06	0728	0743	0730	S05	W14	.281	12414	5.3	15	-N		P	0730	.85				KF
ABST	06	0728	0735	0730	S06	W11	.250	12414	5.5	7	-N		C	0730	.90	.90			DJ
ABST	06	0728	0745	0732	S08	W14	.309	12414	5.3	17	-N		C	0732	.90	.90			DZ
MANI	06	0729E	0735D	0730U	S06	W12	.263	12414	5.4	6D	-B	2		0730	.52	.54			HX
TEHR	06	0733E	0747	0734	S06	W12	.263	12414	5.4	14D	-B	3	V		.17				DE
TEHR	06	0733E	0747	0743	S06	W12	.263	12414	5.4	14D	-N	3	V		.25				DE
GRP49112	06	1214	1229	1220	N02	E11	.192	12427	7.3	15	-N				1.13				3 3 3 6
HUAN	06	1213	1228	1221	N02	E11	.192	12427	7.3	15	-N	2	C	1221	1.13	1.16			
CATA	06	1215	1235	1220	N01	E10	.178	12427	7.3	20	-N	3		1220	1.73	1.76	1.91		
CANR	06	1215E	1225	1218	N02	E11	.192	12427	7.3	10D	-N		V	1218	.52	.50			
GRP49113	06	1353	1416	1400	N02	E10	.175	12427	7.3	23	-N				1.20				11 11 11 11
CATA	06	1350	1420	1355	N01	E09	.162	12427	7.3	30	-B	3		1355	1.16	1.17	2.29		
UPIC	06	1351E	1351D		N01	E10	.178	12427	7.3		-N		P	1351	.21				D
WEND	06	1352E	1410D		N01	E11	.195	12427	7.4	18D	1N		V		4.13				
HUAN	06	1353	1425		N03	E10	.174	12427	7.3	32	-N	2	P	1400	.83	.84			E
CANR	06	1354	1420	1358	N02	E09	.158	12427	7.3	26	-N		V		1.13				
BOUL	06	1355	1413	1402	N03	E09	.156	12427	7.3	18	-F		V	1402	1.10	1.10			
KIEV	06	1355E	1411D	1400	N01	E09	.162	12427	7.3	16D	-F		C	1400	2.06	2.00		60	D
RAMY	06	1356E	1415	1400	N03	E08	.139	12427	7.2	19D	-N	3	C		.46				DE
MCMA	06	1356E	1403D		N02	E09	.158	12427	7.3	7D	-B		P	1358	.62	.60			E
ATHN	06	1357E	1402D	1357U	N01	E08	.145	12427	7.2	5D	-N	2	V		1.32				F
TEHR	06	1406E	1410	1406U	N02	E13	.226	12427	7.6	4D	-N	3	V		.15				F
GRP49114	06	1609	1614	1611	N03	E08	.139	12427	7.3	5	--F				.39				3 3 3 6
HUAN	06	1609	1612		N03	E08	.139	12427	7.3	3	-F	1	P	1611	.41	.42			
RAMY	06	1609E	1614	1610U	N03	E08	.139	12427	7.3	5D	-N	2	C		.46				DE
BOUL	06	1610	1615	1611	N03	E07	.122	12427	7.2	5	-F		V	1611	.30	.30			
115 HUAN	06	1739	1743	1741	N03	E07	.122	12427	7.3	4	--F	1	C	1741	.41	.42			4
GRP49116	06	1910	1920	1916	N02	E07	.124	12427	7.3	10	--F				.25				2 2 2 5
RAMY	06	1910	1920	1915	N02	E07	.124	12427	7.3	10	-F	2	C		.28				DE
PALE	06	1916E	1917D	1917U	N02	E07	.124	12427	7.3	1D	-F	2	V		.21				DE

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GRP49119	07	0415	0448	0420	S08	W31	.545	12414	4.9	33	-B				.95				3 2 2 3
ATHN	07	0415	0450	0418	S08	W32	.558	12414	4.8	35	-N	3	C		1.16				F
TEHR	07	0416E	0446	0422	S08	W30	.531	12414	4.9	30D	-B		V		.74				
MITK	07	0436E	0450	0440	S06	W34	.577	12414	4.6	14D	-F		C	0440	.93	1.10			D
GRP49120	07	0515	0537	0518	S06	W26	.464	12414	5.3	22	-N				1.54				2 2 2 3
ATHN	07	0514	0533	0517	S05	W26	.459	12414	5.3	19	-N	4	C		.83				F
ABST	07	0516	0541D	0519	S06	W25	.449	12414	5.3	25D	1N		P	0519	2.25	2.50			E
GRP49121	07	0609	0637	0615	N11	W23	.407	12417	5.5	28	--N				.79				4 4 4 7
ABST	07	0609	0643D	0611	N12	W23	.412	12417	5.5	34D	-N		P	0611	1.80	2.00			D
CATA	07	0610E	0625D	0615	N11	W23	.407	12417	5.5	15D	-N	3		0615	.29	.31	1.70		
ATHN	07	0612E	0631	0612U	N10	W23	.402	12417	5.5	19D	-F	4	V		.33				DE
MANI	07	0618E	0624D	0620	N11	W22	.392	12417	5.6	6D	-N	1		0620	.72	.78			F
GRP49122	07	0758	0809	0802	N01	E00	.044	12427	7.3	11	--N				.15				3 3 2 8
KHAR	07	0755E	0810D		N01	E00	.044	12427	7.3	15D	1F		V	0808			1.20		D
TEHR	07	0800	0808	0802	N01	E01	.047	12427	7.4	8	-N		V		.08				
CANR	07	0800E	0800D		N01	E00	.044	12427	7.3		-N		V	0800	.21	.20			
GRP49124	07	0850	0912	0853	N01	W00	.044	12427	7.4	22	--N				.53				4 3 3 6
ATHN	07	0850E	0910	0852	N01	W01	.047	12427	7.3	20D	-N	4	V		.50				DE
CATA	07	0850	0915	0855	N01	W01	.047	12427	7.3	25	-N	3		0855	.87	.87	1.95		
TEHR	07	0853E	0910	0853U	N01	E01	.047	12427	7.4	17D	-N	3	V		.21				F
CANR	07	0853E	1113D	1113	N01	E00	.044	12427	7.4	140D	-N		V	0853	.41	.40			
4 STATIONS REPORTING GROUP 49125. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP49125	07	0948	1011	0951	N01	W01	.047	12427	7.3	23	-N				.99				4 3 3 6
ATHN	07	0947E	1004	0947U	N01	W02	.056	12427	7.3	17D	-N	4	V		1.32				DE
TEHR	07	0947E	1005	0947U	N01	E01	.047	12427	7.5	18D	-N	3	V		.83				F
CANR	07	0950	0951D	0951	N01	W01	.047	12427	7.3	1D	-B		V	0950	.83	.80			
KHAR	07	1000E	1025D		N02	W02	.044	12427	7.3	25D	1F		V	1008			1.20		E
125 TEHR	07	1112E	1120	1112U	N01	E01	.047	12427	7.5	8D	*-N	3	V		.21				DE 4
GRP49126	07	1128	1148	1130	N12	W26	.456	12417	5.5	20	-N				1.25				4 4 4 7
KHAR	07	1100E	1154		N12	W27	.470	12417	5.4	54D	1N		C	1129	2.84	3.20			E
RAMY	07	1125	1144	1128	N12	W27	.470	12417	5.5	19	-F	2	C		.99				F
CATA	07	1130	1145	1130	N12	W27	.470	12417	5.5	15	-B	3		1130	.87	.98	2.04		
CANR	07	1133	1231	1133	N10	W24	.418	12417	5.7	58	-N		V	1133	.31	.30			
GRP49127	07	1230	1302	1236	N01	W03	.068	12427	7.3	32	--N				.71				5 5 5 6
RAMY	07	1229	1258	1234	N02	W03	.058	12427	7.3	29	-N	3	C		.66				DE
CATA	07	1230	1315D	1240	N01	W04	.082	12427	7.2	45D	-N	3		1240	.87	.87	1.74		TZ
CANR	07	1231	1240	1234	S00	W02	.070	12427	7.4	9	-N		V	1234	.83	.80			
ATHN	07	1235E	1247D	1237	N01	W04	.082	12427	7.2	12D	-N	3	V		.66				DE
MCMA	07	1238E	1330D		N02	W03	.058	12427	7.3	52D	-B		P	1238	.52	.50			E
7 STATIONS REPORTING GROUP 49128. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP49128	07	1448	1513	1455	N02	W05	.091	12427	7.2	25	-N				1.02				4 4 3 9
ATHN	07	1445E	1505	1445U	N01	W04	.082	12427	7.3	20D	-N	3	V		.66				DE
CANR	07	1448	1520	1458	N01	W05	.097	12427	7.2	32	-N		V		1.24				
CATA	07	1450	1605D	1500	N01	W05	.097	12427	7.2	75D	-N	3		1500	1.16	1.16	1.95		T
BOUL	07	1457E	1500D	1457E	N03	W04	.070	12427	7.3	3D	-N		V	1457		.90			
49128	07	1338	1412	1344	N01	W04	.082	12427	7.3	34	*-N				.64				4 3 3 8
LOCA	07	1334	1405	1338	S01	W05	.117	12427	7.2	31	-N		V	1338	.85	.80			
CATA	07	1340	1420D	1350	N01	W04	.082	12427	7.3	40D	-N	3		1350	.58	.58	2.00		T
RAMY	07	1341	1410	1344	N02	W04	.074	12427	7.3	29	-F	3	C		.50				DE
MCMA	07	1404E	1651D		N02	W03	.058	12427	7.4	167D	-N		P	1404	.52	.50			E
128 CANR	07	1535	1556	1540	N01	W05	.097	12427	7.3	21	*-F		V		.62				5
GRP49129	07	1607	1642	1613	N01	W05	.097	12427	7.3	35	-N				1.05				4 4 4 5
CANR	07	1607	1700	1613	N01	W05	.097	12427	7.3	53	-N		V		1.75				
HUAN	07	1607	1634	1613	N01	W04	.082	12427	7.4	27	-N	2	C	1613	.62	.62			E
ATHN	07	1608	1629	1611	N01	W06	.113	12427	7.2	21	-N	2	V		.99				DE
RAMY	07	1610E	1645	1615	N02	W05	.091	12427	7.3	35D	-N	4	V		.84				FDE
GRP49130	07	2016	2021	2018	N13	W32	.545	12417	5.4	5	--F				.31				2 2 2 2
HUAN	07	2016	2021	2018	N12	W32	.542	12417	5.4	5	-F	2	C	2018	.26	.31			D
PALE	07	2017E	2020	2018U	N14	W32	.549	12417	5.4	3D	-N	2	C		.36				
GRP49132	07	2052	2110	2056	N12	W27	.470	12417	5.8	18	--N				.52				2 2 2 3
HUAN	07	2051	2110	2053	N11	W26	.451	12417	5.9	19	-N	2	C	2053	.67	.75			E
PALE	07	2053	2102D	2058	N12	W28	.485	12417	5.8	9D	-N	2	C		.36				
133 HUAN	07	2127	2142	2131	N01	W07	.129	12427	7.4	15	--F	1	C	2131	1.13	1.14			3

SOLAR FLARES
Confirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
134 PALE	07	2243E	2303	2247U	N02	W08	.141	12427	7.3	20D	--F	2	C		.72				3
GRP49135	08	0009	0020	0011	N02	W09	.159	12427	7.3	11	-N				.93				3 3 3 5
MITK	08	0006E	0016	0008	N02	W10	.176	12427	7.3	10D	-N		C	0008	1.13	1.20			D
MANI	08	0010E	0025	0013	N02	W09	.159	12427	7.3	15D	-N	1		0013	1.03	1.04			F
PALE	08	0010	0020	0013	N02	W09	.159	12427	7.3	10	-N	2	C		.63				DE
136 MITK	08	0126	0138	0129	N14	W31	.534	12417	5.7	12	-B		C	0129	1.55	1.80			E 3
137 MITK	08	0205	0221	0212	N02	W11	.193	12427	7.3	16	-N		C	0212	1.55	1.60			D 3
GRP49138	08	0207	0227	0210	N12	W30	.513	12417	5.8	20	-N				.70				2 2 2 3
TEHR	08	0207E	0227	0207E	N12	W30	.513	12417	5.8	20D	-N		V		.67				
PALE	08	0209E	02140	0212U	N12	W30	.513	12417	5.8	50	-N	2	C		.72				DE
139 MITK	08	0212	0222	0217	S06	W47	.742	12414	4.6	10	1F		C	0217	1.75	2.60			E 3
141 PALE	08	0258E	0300	0258U	N14	W35	.589	12417	5.5	2D	--F	2	C		.36				4
GRP49142	08	0310	0331	0318	N02	W11	.193	12427	7.3	21	--N				.91				2 2 2 4
PALE	08	0310E	0331D	0318	N01	W10	.179	12427	7.4	21D	-B	2	V		.83				DE
TEHR	08	0313E	0322D	0318U	N02	W12	.209	12427	7.2	9D	-F		V		.98				
GRP49143	08	0323	0338	0327	S06	W45	.719	12414	4.8	15	-N				.78				2 2 2 4
PALE	08	0319	0331D	0324	S07	W46	.733	12414	4.7	12D	-N	2	V		1.03				DE U
TEHR	08	0327	0338	0330	S05	W43	.692	12414	4.9	11	-N		V		.52				
GRP49144	08	0510	0526	0512	N02	W13	.226	12427	7.2	16	--F				.44				2 2 2 3
TEHR	08	0507	05180	0509	N02	W13	.226	12427	7.2	11D	-N		V		.21				
ATHN	08	0512	0528	0515	N02	W12	.209	12427	7.3	16	-F	3	C		.66				DE
ATHN	08	0513E	0524	0515	S00	W13	.233	12427	7.2	11D	-F	4	V		.66				F
6 STATIONS REPORTING GROUP 49145. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP49145	08	0653	0722	0655	N02	W13	.226	12427	7.3	29	--F				.87				4 4 4 7
TEHR	08	0550E	0725	0655	N02	W13	.226	12427	7.3	35D	-N		V		.52				
ATHN	08	0652	0708	0657	N01	W13	.229	12427	7.3	16	-N	4	C		.66				DE
CANR	08	0653	0655D	0654	N02	W13	.226	12427	7.3	2D	-F		V	0655	.31	.30			
BUCA	08	0556	0733		N02	W13	.226	12427	7.3	37	-F		P	0656	1.99	2.00			
49145	08	0653	0740	0720	N02	W13	.226	12427	7.3	47	*-N				1.16				2 2 1 8
ISTA	08	0650	0730		N02	W13	.226	12427	7.3	40	-N			0720					
CATA	08	0655	0750	0720	N02	W13	.226	12427	7.3	55	-N	3		0720	1.16	1.19	2.00		
GRP49146	08	0812	0840	0816	N12	W34	.569	12417	5.8	28	-B				1.70				6 6 5 8
ISTA	08	0810	0840		N12	W30	.513	12417	6.1	30	1B			0815					
TEHR	08	0811	0838	0816	N11	W34	.566	12417	5.8	27	-B		V		.99				
ARCE	08	0812E	0832D		N12	W32	.541	12417	5.9	20D	1N		C	0813	3.02	3.60			
BUCA	08	0812	0925		N12	W33	.555	12417	5.9	73	-N		C	0820	1.64	1.90			
ATHN	08	0812	0842	0817	N12	W36	.596	12417	5.6	30	-N	4	C		1.32				U F
CANR	08	0812	08140	0814	N11	W37	.607	12417	5.6	2D	-B		V	0814	1.55	1.90			
GRP49149	08	1150	1220	1155	N12	W37	.610	12417	5.7	30	-N				1.30				6 6 5 8
MCMA	08	1145E	12140		N13	W37	.612	12417	5.7	29D	-B		P	1155	.83	1.00			E
RAMY	08	1147	1212	1200	N14	W36	.602	12417	5.8	25	-N	3	C		.99				F
CANR	08	1150	1215	1151	N12	W36	.596	12417	5.8	25	-B		V		1.03	1.20			
ATHN	08	1150E	1217	1155	N10	W37	.605	12417	5.7	27D	-N	4	V		1.82				U F
BOUL	08	1154E	12430	1154E	N12	W37	.610	12417	5.7	49D	1N		V	1154		3.00			
TEHR	08	1155	1217	1155	N10	W37	.605	12417	5.7	22	-N	4	V		1.82				U F
GRP49150	08	1517	1554	1519	N11	W39	.634	12417	5.7	37	--N				.46				3 3 3 6
HUAN	08	1517	1554		N11	W38	.621	12417	5.8	37	-N	1	C	1527	.46	.59			ET
ATHN	08	1518E	1554	1519	N10	W38	.619	12417	5.8	36D	-N	3	V		.66				F
MCMA	08	1530E	1530D		N13	W40	.651	12417	5.6		-N		P	1530	.26	.40			D
GRP49152	08	1626	1647	1630	S07	W51	.788	12414	4.9	21	--F				.41				4 4 3 6
ATHN	08	1624	1644	1628	S08	W51	.790	12414	4.9	20	-N	3	C		.66				F H
MCMA	08	1625E	1625D		S07	W51	.788	12414	4.9		-F		P	1625	.31	.50			D
HUAN	08	1628	1637	1630	S06	W50	.775	12414	4.9	9	-F	1	C	1630	.26	.41			D
BOUL	08	1631E	1700D	1632U	S07	W51	.788	12414	4.9	29D	-N		V	1632		1.40			
154 HUAN	08	1757	1808	1802	N11	W40	.647	12417	5.7	11	--F	1	C	1802	.46	.60			4
GRP49155	08	1819	1835	1825	S06	W53	.807	12414	4.8	16	--F				.42				4 4 3 4
RAMY	08	1818	1846	1825	S06	W54	.817	12414	4.7	28	-F	4	C		.33				DE
HUAN	08	1820	1835	1824	S06	W53	.807	12414	4.8	15	-F	1	C	1824					
MCMA	08	1820E	1830D		S07	W52	.798	12414	4.9	10D	-N		P	1830	.41	.70			E
CANR	08	1825E	1830	1825E	S06	W53	.807	12414	4.8	5D	-N		V	1825	.52	1.20			

SOLAR FLARES
Confirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP49156	08	1844	1858	1848	N12	W40	.649	12417	5.8	14	--F				.64				2 2 2 4
HUAN	08	1844	1852	1846	N11	W40	.647	12417	5.8	8	-N	1	C	1846	.62	.80			
RAMY	08	1845E	1903D	1850	N12	W40	.649	12417	5.8	18D	-F	4	V		.66				DE
GRP49157	08	1906	1928	1911	N10	W40	.645	12417	5.8	22	--N				.69				3 3 3 4
HUAN	08	1905	1915	1913	N09	W40	.644	12417	5.8	10	-F	1	C	1913	.31	.39			D
RAMY	08	1907	1935D	1909	N10	W39	.632	12417	5.9	28D	-N	4	V		.52				DE
PALE	08	1911E	1935	1911U	N10	W41	.658	12417	5.7	24D	-N	3	V		1.24				DE
158 HUAN	08	1937	1940	1937	N11	W42	.673	12417	5.7	3	--F	2	C	1937	.41	.54			3
GRP49159	08	2004	2018	2007	N11	W40	.647	12417	5.8	14	-B				.99				2 2 2 3
PALE	08	2002	2020	2006	N12	W41	.662	12417	5.8	18	-B	3	C		1.35				DE U
PALE	08	2003E	2018	2006	N10	W42	.671	12417	5.7	15D	-B	3	V		1.13				DE U
HUAN	08	2004	2017	2007	N11	W39	.634	12417	5.9	13	-N	2	C	2007	.62	.79			
160 HUAN	08	2050	2110	2059	N11	W43	.685	12417	5.6	20	--N	1	C	2059	.41	.56			3
	08	2211	2230	NO FLARE PATROL															
	08	2334	2351	NO FLARE PATROL															
	08	2352	0005	NO FLARE PATROL															
	09	0016	0019	NO FLARE PATROL															
	09	0107	0114	NO FLARE PATROL															
GRP49161	09	0356	0404	0400	N13	W47	.735	12417	5.6	8	--F				.46				2 2 2 5
MANI	09	0355E	0404D	0359U	N13	W46	.724	12417	5.7	9D	-N	1		0359	.41	.61			E
ATHN	09	0357	0401D	0400U	N12	W47	.734	12417	5.6	4D	-F	1	C		.50				DE
6 STATIONS REPORTING GROUP 49162. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP49162	09	0505	0549	0527	N11	W45	.709	12417	5.8	44	-N				1.91				3 3 3 5
ATHN	09	0505	0542	0526	N12	W46	.722	12417	5.8	37	-B	4	V		1.49				U F
ATHN	09	0505	0542	0512	N12	W46	.722	12417	5.8	37	-N	4	V		1.49				U F
TEHR	09	0515E	0545D	0527	N11	W44	.697	12417	5.9	30D	-N		V		1.55				
CULG	09	0529E	0600D	0529	N11	W46	.721	12417	5.8	31D	1N		P	0529	2.68	3.60			
49162	09	0502	0650	0556	N11	W49	.756	12417	5.5	108	*1N				3.15				3 1 1 7
ABST	09	0502	0650D	0556	N11	W49	.756	12417	5.5	108D	1N		P	0556	3.15	4.80			OJW
CATA	09	0505E	0650D	0610	N13	W48	.747	12417	5.7	45D	1B	3		0610	1.73	2.61	2.29		
ISTA	09	0630E	0642D		N10	W48	.743	12417	5.7	12D	-F								
GRP49166	09	1624	1640	1629	N11	W55	.819	12417	5.6	16	-N				.56				6 5 4 7
RAMY	09	1622	1640	1628	N12	W55	.819	12417	5.6	18	-N	4	C		.65				DE
MCMA	09	1624	1649	1628	N12	W57	.838	12417	5.4	25	-N		C	1628	.62	1.20			E
MEUD	09	1624	1630D		N11	W55	.819	12417	5.6	6D	-F		C						
HUAN	09	1625	1635	1627	N09	W57	.837	12417	5.4	10	-F	1	C	1627	.46	.79			
ATHN	09	1627E	1638	1629	N12	W53	.799	12417	5.7	11D	-N	2	V		.50				DE
BOUL	09	1635E	1640D	1635E	N09	W56	.828	12417	5.5	5D	-N		V	1635	.40	.70			
HUAN	09	1638	1649	1641	N11	W58	.847	12417	5.3	11	-F	2	C	1641					
167 HUAN	09	2049	2054	2051	N11	W58	.847	12417	5.5	5	--F	1	C	2051	.41	.72			3
168 PALE	09	2141E	2143D		N13	W56	.830	12417	5.7	2D	--F	1	C						F 2
	09	2144	2214	NO FLARE PATROL															
4 STATIONS REPORTING GROUP 49170. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP49170	10	0218	0229	0220	N12	W60	.865	12417	5.6	11	-N				.75				4 4 4 4
PALE	10	0216E	0228	0222	N12	W60	.865	12417	5.6	12D	-N	2	C		.72				F
CULG	10	0217	0340	0221	N12	W60	.865	12417	5.6	83	1N		C	0221	1.03	2.00			K
MANI	10	0218E	0235	0218U	N13	W58	.848	12417	5.7	17D	-N	1		0218	.93	1.63			F
CRON	10	0219	0223	0220	N12	W61	.873	12417	5.5	4	-N		V	0220	.31				
49170	10	0217	0338	0329	N13	W59	.857	12417	5.7	81	*-N				.88				2 2 2 3
CULG	10	0217	0340	0327	N12	W60	.865	12417	5.6	83	1N		C	0327	1.03	2.00			
CRON	10	0325E	0336	0331	N14	W58	.849	12417	5.8	11D	-N		V	0331	.72				
GRP49172	10	0548	0557	0549	N14	W60	.866	12417	5.7	9	--F				.78				4 4 4 7
ATHN	10	0542E	0557	0543	N10	W60	.864	12417	5.7	15D	-F	3	V		.50				F
CRON	10	0550E	0554	0550E	N14	W59	.857	12417	5.8	4D	-N		V	0550	.41				
ABST	10	0550E	0600D	0551	N14	W60	.866	12417	5.7	10D	1F		C	0551	1.80	3.70			EHZ
UPIC	10	0551	0556	0551	N18	W60	.869	12417	5.7	5	-F		P	0551	.42				

SOLAR FLARES
Confirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP49173	10	0702	0718	0705	N11	W63	.889	12417	5.6	16	-N				.88				6 6 5 8
CRON	10	0700	0708	0703	N10	W62	.881	12417	5.6	8	-N		V	0704	.62				
ABST	10	0700	0730	0703	N12	W64	.897	12417	5.5	30	1N		C	0703	1.80	4.10			E
ISTA	10	0702	0710		N10	W64	.897	12417	5.5	8	-N								
ATHN	10	0705E	0717	0707	N10	W61	.873	12417	5.7	120	-N	4	V		.66				F
CATA	10	0705	0725	0705	N10	W60	.864	12417	5.8	20	-N	3		0705	.46	.92	2.00		
UPIC	10	0709E	0717		N13	W65	.905	12417	5.4	80	-N		P	0709	.85				F
GRP49176	10	1355	1409	1357	N12	W66	.912	12417	5.6	14	--F				1.03				5 5 4 7
RAMY	10	1354	1415	1356	N12	W65	.905	12417	5.7	21	-F	4	C		.74				DE
HUAN	10	1354	1407	1357	N11	W64	.897	12417	5.8	13	-N	2	C	1357	.67	1.47			
KIEV	10	1355E	1402D	1358	N13	W66	.912	12417	5.6	70	-F		C	1358	2.06			60	DI
MEUD	10	1356	1406	1357	N11	W68	.925	12417	5.5	10	-F		C						
UPIC	10	1357E	1408	1359U	N11	W66	.912	12417	5.6	110	-F		P	1359	.63				
GRP49177	10	1603	1621	1610	N08	W67	.919	12417	5.6	18	--F				.40				3 3 3 8
RAMY	10	1603	1623	1615	N10	W68	.925	12417	5.6	20	-F	4	C		.28				DE
BOUL	10	1607E	1620D	1607E	N07	W69	.932	12417	5.5	130	-F		V	1610	.60	1.60			
ATHN	10	1607E	1619	1608	N08	W65	.904	12417	5.8	120	-F	1	V		.33				DE
178 RAMY	10	2125	2150D	2130U	N12	W71	.943	12417	5.6	250	--F	2	V		.33				DE 2
179 PALE	10	2231	2240	2234U	N16	W68	.926	12417	5.8	9	--F	2	C		.27				F 3
180 PALE	10	2244E	2257	2245U	N11	W70	.938	12417	5.7	130	--F	2	C		.27				F 3
184 PALE	11	1937E	1955	1941U	N07	W80	.984	12417	5.8	180	--F	3	V		.21				2
	12	2046	2100	NO FLARE PATROL															
	14	2138	2231	NO FLARE PATROL															
	16	0030	0055	NO FLARE PATROL															
190 TEHR	16	0252E	0318D	0254U	S10	W58	.862	12441	11.8	180	--F	3	V		.52				F 3
GRP49191	16	0533	0541	0537	S11	W58	.864	12441	11.9	8	--F				.62				2 2 2 4
ABST	16	0531E	0539D	0537	S10	W58	.862	12441	11.9	80	-N		P	0537	.90	1.80			D
ATHN	16	0534	0541	0536	S12	W58	.866	12441	11.9	7	-F	2	C		.33				DE
GRP49192	16	0632	0640	0636	S12	W59	.874	12441	11.8	8	--F				.50				2 2 1 4
ISTA	16	0631	0640		S11	W60	.880	12441	11.8	9	-F								
ATHN	16	0632	0640	0636	S12	W58	.866	12441	11.9	8	-N	3	C		.50				DE
GRP49197	16	1256	1322	1259	S11	W60	.880	12441	12.0	26	--F				.27				2 2 2 5
ATHN	16	1256E	1325	1256U	S12	W61	.890	12441	12.0	290	-F	3	V		.33				DE
TEHR	16	1302E	1318	1302U	S10	W58	.862	12441	12.2	160	-F	3	V		.21				DE
	17	0139	0154	NO FLARE PATROL															
204 PALE	17	2135	2144	2139	N16	W50	.770	12431	14.1	9	--F	2	C		.45				F 2
	18	0108	0110	NO FLARE PATROL															
	18	0112	0115	NO FLARE PATROL															
GRP49205	18	0217	0303	0242	N14	W46	.723	12431	14.6	46	-N				1.05				3 3 3 3
TEHR	18	0217E	0311D	0240	N15	W46	.724	12431	14.6	540	-B	3	C		.52				F
PALE	18	0240E	0251D	0244U	N15	W44	.701	12431	14.8	110	-N	2	C		1.08				F
MANI	18	0241E	0255	0241U	N13	W47	.733	12431	14.6	140	1N	2		0241	1.55	2.28			E
GRP49206	18	0300	0312	0301	N13	W46	.721	12431	14.7	12	--N				.28				2 2 2 3
TEHR	18	0300E	0309	0300U	N13	W45	.709	12431	14.8	90	-N	3	V		.15				DE
MANI	18	0301E	0315	0302	N13	W47	.733	12431	14.6	140	-N	2		0302	.41	.61			F
GRP49207	18	0410	0423	0413	N14	W46	.723	12431	14.7	13	--N				.37				3 3 3 5
MANI	18	0408	0425	0414	N13	W48	.744	12431	14.6	17	-N	2		0414	.41	.62			
PALE	18	0411	0417	0413	N15	W44	.701	12431	14.9	6	-F	2	C		.36				
ATHN	18	0413E	0427	0413U	N13	W47	.733	12431	14.7	140	-N	2	V		.33				DE
GRP49212	18	0640	0655	0646	N13	W47	.733	12431	14.8	15	--F				.43				4 4 4 8
ABST	18	0639	0653	0643	N15	W47	.736	12431	14.8	14	-F		C	0643	.90	1.30		630	D
TEHR	18	0640	0652	0645	N13	W45	.709	12431	14.9	12	-N	3	C		.08				DE
ATHN	18	0643E	0656	0644	N13	W48	.744	12431	14.7	130	-N	3	V		.33				DE
MANI	18	0646E	0658	0651U	N12	W47	.732	12431	14.8	120	-F	2		0651	.41	.62			
215 RAMY	18	1551	1603	1555	S12	E31	.574	12442	21.0	12	--F	3	C		.37				DE 4
216 PALE	18	1833	1842	1836	S17	E54	.844	12444	22.8	9	--F	3	C		.27				DE 3

SOLAR FLARES
Confirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
217 PALE	18	1952	1957	1953	S06	E25	.456	12442	20.7	5	--F	3	C		.19				1
218 ABST	19	0518	0536	0521	N14	W62	.881	12431	14.6	18	--F		C	0521	.90	1.80		608	D 3
	19	2028	2043	NO FLARE PATROL															
	19	2150	2203	NO FLARE PATROL															
222 PALE	19	2303E	2310D	2305	S06	W28	.499	12448	17.9	7D	--F	2	C		.45				F 2
GRP49223	20	0026	0042	0032	N17	E24	.446	12449	21.8	16	--F				.57				2 2 2 3
PALE	20	0026	0042	0035	N17	E23	.433	12449	21.7	16	-F	2	C		.72				F
MANI	20	0029E	0038D	0029U	N17	E24	.446	12449	21.8	9D	-F	1		0029	.41	.46			F
228 HUAN	20	1750	1755	1753	N13	W83	.991	12431	14.5	5	--F	1	C	1753	.21				D 3
229 CANR	20	1830	1840	1836	N14	W87	.997	12431	14.2	10	--F		V						2
233 HUAN	21	2028	2030D		S02	W52	.792	12448	18.0	2D	--F	1	P	2030					2
	21	2030	2039	NO FLARE PATROL															
	21	2053	2153	NO FLARE PATROL															
	23	2019	2042	NO FLARE PATROL															
	23	2055	2107	NO FLARE PATROL															
	23	2154	2229	NO FLARE PATROL															
	23	2231	2250	NO FLARE PATROL															
	24	0028	0033	NO FLARE PATROL															
243 CATA	24	0910	0950	0930	S03	W90	1.000	12448	17.6	40	2F	3		0930	2.90		1.26		4
244 PALE	25	2016E	2018D	2016U	N08	W14	.245	12451	24.8	2D	--F	3	C		.27				DE 2
	25	2058	2129	NO FLARE PATROL															
	25	2137	2138	NO FLARE PATROL															
	25	2220	2223	NO FLARE PATROL															
GRP49247	26	0147	0204	0151	S13	E89	1.000	12460	1.7	17	-F				.52				2 2 2 5
MANI	26	0146	0208	0150	S12	E88	1.000	12460	2.7	22	-N	2		0150	.52	1.64			X
MITK	26	0148	0200	0152	S13	E90	1.000	12460	2.8	12	1F		C	0152	.52				D
GRP49249	26	0506	0519	0508	N13	E90	1.000	12461	2.0	13	1F				.71				2 2 2 6
ABST	26	0505	0522	0507	N13	E89	.999	12461	2.9	17	1F		C	0507	.90				ADG
MITK	26	0507	0516	0508	N13	E90	1.000	12461	3.0	9	1F		C	0508	.52				DH
GRP49251	26	1350	1416	1352	N09	W25	.424	12451	24.7	26	--N				.40				3 2 2 6
ATHN	26	1344	1417	1349	N09	W24	.408	12451	24.8	33	-N	2	C		.50				DE
CATA	26	1355	1415	1355	N08	W25	.422	12451	24.7	20	-N	3		1355	.29	.32	1.62		
BOUL	26	1355E	1410D	1404	N07	W25	.421	12451	24.7	15D	-F		V	1404		.40			
	26	1917	1925	NO FLARE PATROL															
	26	1949	1955	NO FLARE PATROL															
	26	2032	2034	NO FLARE PATROL															
	26	2053	2115	NO FLARE PATROL															
	26	2124	2139	NO FLARE PATROL															
	26	2153	2210	NO FLARE PATROL															
	26	2215	2222	NO FLARE PATROL															
GRP49258	27	0954	1008	0957	N11	E68	.923	12461	1.5	14	-N				.51				5 5 5 6
MONT	27	0951	1013	0956	N13	E70	.936	12461	2.7	22	-N		C	0956	.21				
ATHN	27	0953	1005	0956	N10	E68	.924	12461	2.5	12	-N	4	C		.66				DE
CANR	27	0955	1009	0958	N12	E68	.923	12461	2.5	14	-N		V	0958	.72	1.70			
TEHR	27	0955	1005	0958	N12	E68	.923	12461	2.5	10	-N	3	C		.36				DE
CATA	27	0955	1010	0955	N08	E68	.924	12461	2.5	15	-N	3		0955	.58		1.62		
	27	2113	2120	NO FLARE PATROL															

SOLAR FLARES
Confirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	27	2131	2134	NO FLARE PATROL															
261 MITK	28	0150	0202	0155	N27	E79	.977	12471	4.0	12	-N		C	0155	.52				DG 4
	28	2031	2104	NO FLARE PATROL															
264 PALE	28	2124E	2130D		S05	E33	.567	12460	1.4	6D	--F	1	C						F 2
GRP49265	29	0208	0223	0208	S05	E30	.526	12460	31.3	15	--N				.45				1 1 1 3
PALE	29	0208E	0222	0208U	S05	E29	.512	12460	1.3	14D	-N	2	C		.45				F H
PALE	29	0212E	0223	0213U	S06	E31	.545	12460	1.4	11D	-N	2	V		.26				DE
266 PALE	29	0241	0252	0245	S05	E29	.512	12460	1.3	11	--N	2	C		.63				F 4
GRP49267	29	0402	0431	0410	S03	E28	.488	12460	31.3	29	-N				1.18				3 3 3 5
PALE	29	0402	0441	0410	S05	E28	.498	12460	1.3	39	-N	2	C		.99				UDE
ATHN	29	0408E	0422	0410	S03	E30	.517	12460	1.4	14D	-N	2	V		.83				DE
TEHR	29	0408E	0430	0410	S02	E27	.469	12460	1.2	22D	-B	4	C		1.73				F
GRP49270	29	0713	0747	0723	S06	E30	.531	12460	31.6	34	--N				.43				4 4 3 5
ISTA	29	0710	0735		S05	E32	.554	12460	1.7	25	-F								
CATA	29	0710	0825	0725	S10	E30	.555	12460	1.5	75	-N	3		0725	.29	.34	1.70		
BUCA	29	0719	0747		S06	E31	.545	12460	1.6	28	-N		C	0721	.66	.70			E
ATHN	29	0720E	0730	0720U	S05	E28	.498	12460	1.4	10D	-N	3	V		.33				DE
CATA	29	0805	0815	0805	S07	E26	.482	12460	1.3	10	-F	3		0805	.29	.33	1.23		
11 STATIONS REPORTING GROUP 49272. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP49272	29	1313	1519	1329	N14	E45	.708	12461	1.9	126	3B				13.81				7 7 7 9
TEHR	29	1310	1517D	1328	N13	E50	.764	12461	3.3	127D	2B	3	V		4.95				S U
BOUL	29	1312E	0125D	1328	N13	E45	.707	12461	2.9	733D	4N		V	1328	24.00	33.60			
HCMA	29	1312	1900D	1329	N12	E43	.681	12461	2.8	348D	3N		C	1329	15.47	21.30			FGHLSU
RAMY	29	1313	1700D	1327	N14	E45	.708	12461	2.9	227D	3B	4	C		15.71				U F
CATA	29	1315	1422D	1331	N13	E44	.695	12461	2.9	67D	3B	3		1331	16.81	23.35	3.24		
CANR	29	1315	1515	1331	N15	E45	.709	12461	2.9	120	3N		V	1331	14.44	20.00			
CANR	29	1315	1515	1325	N15	E45	.709	12461	2.9	120	3N		V	1325	10.31	15.00			
ATHN	29	1332E	1525	1332U	N15	E45	.709	12461	2.9	113D	2B	1	V		5.28				U F
49272	29	1315	1817	1341	N14	E44	.696	12461	1.9	302	*3B				11.76				2 2 2 8
HUAN	29	1315	1817	1344	N15	E44	.698	12461	2.9	302	3N	2	C	1344	10.11	14.12			GSU
KIEV	29	1320E	1406D	1337	N13	E43	.682	12461	2.8	46D	3B		P	1337	13.41	19.00		80	EI
49272	29	1441	1715	(1441)	N14	E43	.684	12461	1.8	154	*3B				12.20				2 1 1 8
UPIC	29	1441E	1715D		N14	E43	.684	12461	2.8	154D	3B		P	1441	12.20				U
LOCA	29	1530E	1630D		N13	E46	.719	12461	3.1	60D	2N		S	1530	6.30	9.50			GS
274 PALE	29	2109	2125	2116	S07	E21	.413	12460	1.5	16	--F	2	C		.63				F 3
GRP49280	30	2322	2338	2326	S06	E08	.244	12460	31.6	16	--F				.52				2 2 2 4
PALE	30	2322E	2338	2326U	S07	E08	.258	12460	1.6	16D	-F	3	V		.52				F
MITK	30	2325E	2338		S04	E07	.206	12460	1.5	13D	-F		C	2327	.52	.50			D
GRP49281	31	0437	0459	0443	S06	E04	.214	12460	31.5	22	--F				.29				2 2 2 4
TEHR	31	0435	0458	0439	S06	E04	.214	12460	1.5	23	-F	4	C		.26				F R
MANI	31	0439	0500	0447	S05	E04	.198	12460	1.5	21	-F	2		0447	.31	.32			
	31	1915	2027	NO FLARE PATROL															

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

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
730701	1.22	24.0	730710	7.06	24.0	730723	0.00	22.5
730702	3.28	22.7	730712	0.00	23.8	730724	44.39	23.9
730703	0.00	23.0	730714	0.00	23.1	730725	0.00	23.4
730704	18.85	24.0	730716	0.00	23.6	730726	4.13	22.7
730706	14.34	24.0	730717	0.00	23.8	730727	1.37	23.8
730707	42.01	24.0	730718	5.32	23.9	730728	1.45	23.5
730708	82.32	23.2	730719	0.00	23.5	730729	1013.91	24.0
730709	20.91	23.3	730721	0.00	22.9	730731	0.00	22.8

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

SOLAR FLARES
Unconfirmed

JULY 1973

OBSERVATORY	DATE JUL	OBSERVED UT START	OBSERVED UT END	OBSERVED UT MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION CENTRAL DISTANCE	LOCATION MCMATH PLAGE REGION	LOCATION CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
054 TEHR	01	0405E	0415D	0410U	N12	E59	.858	12417	5.6	10D	-F	3	V		.62				F 6
056 KHAR	01	0930E	1010D		N11	E57	.839	12417	5.7	40D	1F		P	0945	1.34	2.90	1.20		7
057 HEUD	01	1311	1325	1315	S11	W73	.961	12402	27.1	14	-F		C						7
058 ATHN	01	1603	1611	1605	S08	E42	.685	12414	4.8	8	-F	3	C		.33				DE 7
059 MCMA	01	1839E	1846D		N14	E52	.793	12417	5.7	70	-N		P	1839	.26	.40			D 4
060 BOUL	01	2043	2107	2048	N10	E90	1.000	12420	8.6	24	-F		V						3
062 HEUD	02	0642	0710	0701	N13	E48	.749	12417	5.9	28	-F		C						9
063 MONT	02	0734	0751	0736	N13	E47	.738	12417	5.8	17	-F		C	0736	.10				9
064 ISTA	02	0735	0746		N13	E17	.335	12422	3.6	11	-F								9
GRP49065	02	1229	1550	1538	S06	E36	.603	12414	5.2	201	-F				.69				2 1 1 8
ARCE	02	1229E	1550D	1538	S06	E36	.603	12414	5.2	201D	-F		C	1538	.69	.90			
LOCA	02	1550E	1605	1550	S06	E36	.603	12414	5.4	15D	-N		V	1550	.63	.80			
069 BOUL	03	0146	0154	0150	S06	E31	.534	12414	5.4	8	-F		V		.40	.50			3
070 ATHN	03	0414E	0432	0414U	S07	E30	.524	12414	5.4	18D	-N	3	V		.33				DE 5
071 ATHN	03	0627E	0642	0629	N10	E32	.537	12417	5.7	15D	-N	4	V		.33				DE 7
073 RAMY	03	1106	1124	1110	S08	E20	.388	12414	5.0	18	-F	4	C		.37				DE 6
074 RAMY	03	1350	1404	1353	N13	E30	.519	12417	5.8	14	-F	4	C		.28				DE 7
077 MANI	04	0005E	0015	0007	N11	E20	.364	12417	5.5	10D	-N	1		0007	.21	.22			5
080 ATHN	04	1153	1207	1154	N12	E17	.326	12417	5.8	14	-F	3	C		.33				DE 6
082 UPIC	04	1509	1609	1529U	N16	E13	.311	12417	5.6	60	-F		P	1529	.21				K 4
083 UPIC	04	1529	1609	1529U	S06	E09	.222	12414	5.3	40	-F		P	1529	.42				K 4
084 UPIC	04	1603E	1609		N12	E16	.311	12417	5.9	60	-F		P	1603	.42				E 4
094 ATHN	05	0510	0531	0513	S09	E02	.215	12414	5.4	21	-N	3	C		.33				DE 6
GRP49095	05	0640	0658	0646	N16	E05	.236	12417	5.7	18	-F				.25				2 2 2 5
CATA	05	0640	0655	0645	N16	E05	.236	12417	5.7	15	-F	3		0645	.29	.29	1.29		
MANI	05	0645E	0700	0647U	N15	E05	.220	12417	5.7	15D	-F	1		0647	.21	.21			H
096 ATHN	05	0832	0844D	0834	N12	E04	.166	12417	5.7	12D	-F	3	C		.33				DE 7
097 RAMY	05	1344	1403	1350	N16	E06	.242	12417	6.0	19	-F	3	C		.28				DE 7
103 ABST	06	0619	0650	0620	N01	E16	.278	12427	7.5	31	-N		C	0620	.90	.90			D 9
104 ATHN	06	0632	0652	0635	S06	W11	.250	12414	5.4	20	-F	2	C		.66				DE 8
GRP49105	06	0703	0740	0714	N01	E15	.262	12427	7.4	37	-F				.37				2 2 2 9
CATA	06	0700	0740D	0710	S00	E15	.265	12427	7.4	40D	-F	3		0710	.29	.30	1.45		
ABST	06	0705	0740	0717	N02	E14	.243	12427	7.3	35	-N		C	0717	.45	.50			D
107 MONT	06	0803	0835	0808	N02	E13	.226	12427	7.3	32	-F		C	0808	.10				12
108 MONT	06	0838	0848	0840	N02	E13	.226	12427	7.3	10	-F		C	0840	.10				9
GRP49109	06	0905	0950	0915	N02	E12	.209	12427	7.3	45	-F				.66				2 2 1 10
KHAR	06	0905E	0950D		N02	E12	.209	12427	7.3	45D	-F		V	0905			1.20		DH
ATHN	06	0914E	0916D	0915	N01	E11	.195	12427	7.2	20	-N	4	V		.66				F
110 ARCE	06	0940E	1007D		N01	W12	.212	12414	5.5	27D	-N		C	0955	.46	.50			7
111 KHAR	06	0953E	1027D		N02	E12	.209	12427	7.3	34D	-F		C	0957	.91	.90			D 7
117 HUAN	06	1925	1933	1927	N01	E06	.112	12427	7.3	8	-F	1	C	1927	.41	.42			5
118 MANI	07	0004E	0017	0004U	N13	W13	.275	12417	6.0	13D	-F	1		0004	.41	.43			F 4
123 MANI	07	0819E	0824D	0821	N02	E01	.031	12427	7.4	5D	-N	1		0821	.52	.52			7
131 HUAN	07	2027	2034	2030	N12	W33	.556	12417	5.4	7	-F	2	C	2030	.21	.25			D 4

SOLAR FLARES
Unconfirmed

JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
140 PALE	08	0246E	0300	0248U	N12	W33	.555	12417	5.6	140	-F	2	V		.31				H F 4
147 CATA	08	0950	1000	0950	N16	W40	.659	12417	5.4	10	-F	3		0950	.29	.38	1.45		7
148 ATHN	08	1105E	1112	1105U	N12	W41	.662	12417	5.4	70	-F	4	V		.83				F 6
151 RAMY	08	1541	1558	1547	S06	W44	.707	12414	5.4	17	-F	4	C		.50				DE 5
153 HUAN	08	1701	1714	1704	N11	W40	.647	12417	5.7	13	-N	2	C	1704	.46	.61			5
163 ISTA	09	0757	0827		N12	W47	.734	12417	5.8	30	-F								8
GRP49164	09	1200	1205	1201	N12	W47	.734	12417	6.0	5	-F				1.06				2 2 2 10
HUAN	09	1200	1205	1201	N11	W47	.733	12417	6.0	5	-F	1	C	1201	.41	.60			
KHAR	09	1200	1200D		N12	W47	.734	12417	6.0		1N		P	1200	1.70	2.60			
165 MCMA	09	1208E	1351D		N13	W53	.800	12417	5.5	103D	-N		P	1228	.52	.90			E 8
169 PALE	10	0133	0142	0134	N02	W37	.602	12427	7.3	9	-F	2	C		.27				5
171 ATHN	10	0510E	0518	0512	N11	W60	.865	12417	5.7	8D	-N	3	V		.33				DE 5
GRP49174	10	0735	0800	0735	N10	W61	.873	12417	5.7	25	-N				1.14				·2 2 2 9
TEHR	10	0735E	0810	0735E	N12	W58	.847	12417	6.0	35D	1B		V		1.86				
UPIC	10	0741E	0750		N08	W64	.897	12417	5.5	9D	-F		P	0741	.42				F
175 MEUD	10	0925	0945D		N03	W42	.668	12427	7.2	20D	-F		C						7
181 ATHN	11	0635E	0643	0636	N10	W73	.954	12417	5.8	13D	-N	4	V		.50				DE 5
182 ATHN	11	0932E	0933	0934	S00	W54	.810	12427	7.3	7D	-N	4	V		.33				DE 10
183 BOUL	11	1824E	1840D	1827	N07	W80	.984	12417	5.8	16D	-F		V	1830	.40	1.30			6
185 ISTA	12	0630E	0645		N15	W90	1.000	12417	5.5	15D	-F								3
186 RAMY	12	1436	1448		N13	W90	1.000	12417	5.9	12	-F	3	C						4
187 TEHR	13	0351E	0411	0353	S20	W02	.410	12428	13.0	20D	-N	4	V		.33				DE S 5
188 KHAR	13	1105E	1137D		S11	W21	.435	12441	11.9	32D	-F		P	1122	.91	1.00	1.20		D 8
189 TEHR	14	0439E	0447	0441	S13	W40	.686	12425	11.2	8D	-F		V		.17				7
193 MONT	16	0702E	0734	0725	S11	W60	.880	12441	11.8	32D	-F		C	0725	.10				H 6
194 TEHR	16	0930E	0945	0930U	S10	W58	.862	12441	12.0	15D	-F	3	V		.31				DE 6
195 MONT	16	1019	1041	1028	S18	E90	1.000	12444	23.2	22	-N		C	1028	.21				5
196 CANR	16	1242E	1242D	1242E	S13	W67	.932	12425	11.5		-F		V	1242	.41	.90			4
198 CANR	16	1800E	1830		S05	E19	.361	12448	18.2	30D	-F		V	1800	1.03	1.00			6
GRP49199	17	0508	0552	0527	S13	W73	.964	12441	11.7	44	-N				.76				2 2 2 7
ABST	17	0508	0552D	0522	S13	W72	.959	12441	11.8	44D	1N		P	0522	1.35				DK
TEHR	17	0525E	0533D	0531	S12	W73	.963	12441	11.8	8D	-N	2	C		.17				
200 MANI	17	0745	0758	0746	S11	W73	.963	12441	11.8	13	-N	2		0746	.31	.73			9
201 MONT	17	0831	0844	0835	S13	W74	.968	12441	11.8	13	-F		C	0835	.10				9
202 TEHR	17	1050	1213	1100	N13	W36	.595	12431	14.8	83	-N	3	C		.12				F 7
GRP49203	17	1234	1308	1244	N19	E58	.851	12449	21.9	34	-N				.15				2 2 2 8
TEHR	17	1228	1319	1243	N17	E58	.849	12449	21.9	51	-N	3	C		.08				F
CANR	17	1240	1256	1244	N20	E57	.844	12449	21.8	16	-N		V	1244	.21	.30			
208 ABST	18	0524E	0536D	0529	S12	W44	.729	12445	14.9	12D	-F		P	0529	.81	1.20		664	D 5
209 ABST	18	0533	0537	0534	N16	W46	.726	12431	14.8	4	-F		C	0534	.90	1.30		620	D 5
210 ABST	18	0606	0658	0616	N17	E47	.739	12449	21.8	52	-F		C	0616	1.17	1.70		620	D 6
211 MANI	18	0624	0637	0626	S10	W45	.733	12445	14.9	13	-N	2		0626	.31	.46			7
GRP49213	18	0729	0740	0731	N13	W49	.755	12431	14.6	11	-F				.32				2 2 2 9
CANR	18	0729	0734	0730	N13	W49	.755	12431	14.6	5	-N		V	0730	.31	.45			
ATHN	18	0730E	0746	0731	N13	W48	.744	12431	14.7	16D	-F	3	V		.33				DE

SOLAR FLARES
Unconfirmed

JULY 1973

OBSERVATORY	DATE JUL	OBSERVED UT START	OBSERVED UT END	OBSERVED UT MAX. PHASE	LOCATION APPROX. LAT.	LOCATION MER. DIST.	LOCATION CENTRAL DISTANCE	LOCATION McMATH PLAGE REGION	LOCATION CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME UT	MEASUREMENTS MEAS. AREA Sq. Deg.	MEASUREMENTS CORR. AREA Sq. Deg.	MEASUREMENTS MAX. WIDTH Hα	MEASUREMENTS MAX. INT. %	REMARKS
214 TEHR	18	1030E	1037D	1033U	S12	W90	1.000	12441	11.7	7D	-B	4	V		.21				R 6
219 TEHR	19	0821E	0855D	0838U	S13	W58	.868	12445	15.0	34D	-N	2	C		.33				F 5
220 PALE	19	1644E	1648	1644U	S22	W48	.809	12437	16.1	4D	-F	1	C		.27				6
221 PALE	19	1807	1822	1809	S14	W65	.921	12445	14.9	15	-N	3	V		.21				DE 3
224 ABST	20	1133E	1138D	1138	S06	W38	.635	12448	17.6	5D	-F		P	1138	.72	.90			D 6
225 CATA	20	1425	1435	1425	S07	W37	.626	12448	17.8	10	-F	1		1425	1.16	1.48	1.45		4
226 CATA	20	1525	1600D	1530	S09	W75	.970	12445	15.0	35D	-F	3		1530	.58		1.32		4
227 CANR	20	1712	1722	1715	N14	W86	.996	12431	14.3	10	-F		V		.41				5
230 ABST	21	0500E	0522D	0504	N15	W88	.998	12431	14.6	22D	1N		P	0504	.99				AD 6
231 ISTA	21	0814	0835		S05	W90	1.000	12433	14.6	21	-F								8
232 MONT	21	1021	1031	1027	S07	W48	.759	12448	17.8	10	-F		C	1027	.10				4
234 ATHN	22	0449	0453	0450	N08	W17	.295	12449	20.9	4	-N	3	V		.33				DE 4
235 ABST	22	0604	0622	0612	S06	W62	.890	12448	17.6	18	-F		C	0612	.90	2.00			D 7
GRP49236	22	0635	0655	0641	N17	W08	.248	12449	21.7	20	-F				.74				2 2 2 7
CATA	22	0635	0655	0640	N17	W08	.248	12449	21.7	20	-F	3		0640	.58	.59	1.41		
ABST	22	0638E	0654D	0641	N17	W08	.248	12449	21.7	16D	-F		P	0641	.90	.90			E
237 CATA	22	0850	0915	0850	S01	W58	.850	12448	18.0	25	-F	3		0850	.29	.55	1.35		6
238 MONT	23	1125	1129	1127	S07	W78	.981	12448	17.6	4	-F		C	1127	.10				6
239 BOUL	23	2005E	2040	2005E	N16	W30	.521	12449	21.6	35D	-F		V						3
240 ATHN	24	0519E	0530	0519U	S08	W43	.705	12442	21.0	11D	-F	3	V		.33				DE 3
241 ABST	24	0658E	0720D	0702	N09	E10	.185	12451	25.0	22D	-F		P	0702	.90	.90			D 8
242 ABST	24	0658E	0743D	0713	S14	W40	.695	12442	21.3	45D	-F		P	0713	1.26	1.70			DG 8
245 MANI	26	0000	0017	0004	N11	E88	.999	12461	2.6	17	-N	2		0004	.31	.96			4
245 MANI	26	0005	0026D	0019	N17	E90	1.000	12461	2.8	21D	*-N	2		0019	.31	1.00			5
246 MANI	26	0035	0050	0040	N01	E80	.985	12460	2.0	15	-F	2		0040	.31	.80			4
246 ABST	26	0504	0516	0506	N07	W20	.341	12451	24.7	12	-F		C	0506	.90	1.00			DGJ 6
250 ABST	26	0758E	0814D	0758	S07	E75	.970	12460	2.0	16D	1F		P	0758	1.80				EJ 9
252 CANR	26	1515E	1525D		N16	E85	.994	12461	3.0	10D	-N		V						3
253 PALE	26	1802E	1809	1804U	N06	W17	.291	12451	25.5	7D	-F	3	V		.26				F 3
GRP49254	27	0733	0811	0742	S04	E55	.826	12460	31.4	38	-F				.71				2 2 2 6
ABST	27	0733	0824D	0743	S03	E55	.825	12460	1.4	51D	-F		P	0743	1.08	1.80			DJK
ATHN	27	0740E	0758	0740U	S04	E55	.826	12460	1.4	18D	-F	4	V		.33				DE
255 ABST	27	0811	0818	0813	N17	E75	.962	12461	3.0	7	1F		C	0813	.99				D 8
256 CATA	27	0830	0905	0835	S07	E56	.841	12460	1.6	35	-N	3		0835	.58	1.07	1.70		7
257 MONT	27	0858	0902	0859	N13	E70	.936	12461	2.6	4	-F		C	0859	.10				8
GRP49259	27	1023	1054	1030	S06	E58	.857	12460	31.8	31	-N				.43				2 2 2 6
TEHR	27	1021	1038	1025	S05	E58	.856	12460	1.8	17	-N	3	C		.28				DE
CATA	27	1025	1110	1035	S07	E58	.859	12460	1.8	45	-N	3		1035	.58	1.13	1.86		
GRP49260	27	1340	1352	1343	N13	E71	.942	12461	1.9	12	-F				.33				2 2 2 8
RAMY	27	1339	1354	1346	N16	E72	.947	12461	3.0	15	-F	4	C		.37				DE
CATA	27	1340	1350	1340	N09	E70	.936	12461	2.8	10	-F	3		1340	.29		1.38		
262 MITK	28	0405	0423	0409	N27	E79	.977	12471	4.1	18	-F		C	0409	.52				DG 9
263 ABST	28	0758	0808	0800	S02	E41	.664	12460	1.4	10	-F		C	0800	.99	1.30			D 8

SOLAR FLARES
Unconfirmed
JULY 1973

OBSERVATORY	OBSERVED UT DATE JUL.	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP49268	29	0456	0521	0503	S06	E32	.559	12460	31.6	25	-N				.52				2 2 2 5
TEHR	29	0456	0521	0501	S05	E30	.526	12460	1.5	25	-N	4	V		.41				F R
MANI	29	0505E	0515D	0505U	S07	E33	.577	12460	1.7	100	-N	2		0505	.62	.76			X
269 ABST	29	0540E	0612D	0542	S06	E34	.586	12460	1.8	320	-F		P	0542	.90	1.10			D 5
271 CATA	29	0930	0955	0935	S08	E25	.475	12460	1.3	25	-F	3		0935	.17	.19	1.48		5
273 HUAN	29	1718	1721	1720	S04	E21	.391	12460	1.3	3	-F	2	C	1720	.21	.22			D 6
275 BOUL	30	0114	0120D	0117	N11	E90	1.000	12474	6.8	60	-F		V						4
276 BOUL	30	0118	0120D	0120D	N20	E90	.999	12474	6.8	20	-F		V						5
277 ABST	30	0703E	0753D	0705	S17	E17	.472	12460	1.6	500	-F		P	0705	.90	1.00			D 8
278 MONT	30	0906	0924	0912	N06	E86	.997	12474	6.8	18	-N		C	0912	.10				7
279 RAHY	30	1038E	1105	1040U	S12	E13	.372	12460	1.4	280	-F	3	V		.46				DE 6
282 MONT	31	0759	0805	0800	S13	E90	1.000	12472	8.1	6	-N		C	0800	.10				9
GRP49283	31	0847	0913	0856	S06	E04	.214	12460	31.7	26	-F				.31				2 2 1 9
ISTA	31	0841	0909		S06	E05	.220	12460	1.7	28	-F								
CANR	31	0852	0917	0856	S06	E03	.209	12460	1.6	25	-N		V	0856	.31	.30			
284 MANI	31	2218	2230	2220	S10	E90	1.000	12472	8.7	12	-N	1		2220	.52	1.68			2

"Remarks":

A = Eruptive prominence, base at >90°.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No spots visible in the neighborhood.
H = Flare with high velocity dark surge.
I = Very extensive active region.
J = Plage with flare shows marked intensity variations.
K = Several intensity maxima.
L = Filaments show effects of sudden activation.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the calcium II lines H or K.
P = Flare shows helium D_3 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.

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.