

SOLAR FLARES
Confirmed
JULY 1972

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 Hc	MAX. INT. %	
					LAT.	MER. DIST.												
	1972 JUL																	
	01	0000	0050															
	01	0122	0140															
GRP45059	01	0304E	0331D	0310	N06	W01	.058	11939	1.1	27	1F							
VORO	01	0304E	0330D		N06	E00	.055	11939	1.1	26D	1N	P	0314	4.13	4.34	4.28	79	
MITK	01	0306E	0331D	0310	N06	W01	.058	11939	1.1	25D	1F	C	0310	3.92	3.90			
GRP45064	01	1434	1458	1438	N14	E58	.851	11945	6.0	24	--F			.34				
CANR	01	1430	1447		N14	E56	.833	11945	5.8	17	-F	2	V	1438	.30	.50		
HTPR	01	1434	1457	1438	N14	E57	.842	11945	5.9	23	-F	C	1438	.31	.60			
BOUL	01	1435	1444	1439	N16	E56	.835	11945	5.8	9	-F	3	V					
RAMY	01	1435E	1510	1437U	N14	E59	.859	11945	6.0	35D	-N	2	V		.46			
CAPS	01	1436E	1510D		N13	E60	.867	11945	6.1	34D	-N	2	V	1440	.30	.60	(195)	
067 HUAN	01	1927	1930	1928	N17	E50	.778	11945	5.6	3	--F	2	C	1928	.36	.58		
	01	2230	2245															
	01	2309	2316															
068 TEHR	02	0217	0230	0220	N08	W10	.193	11939	1.3	13	--F	3	V		.37			
069 TEHR	02	0306	0310	0308	N08	W10	.193	11939	1.4	4	--F	4	V		.09			
GRP45070	02	0416	0435	0420	N09	W09	.187	11939	1.5	19	--F			.72				
TEHR	02	0415E	0432	0420	N08	W10	.193	11939	1.4	17D	-N	4	V		1.11			
ATHN	02	0417	0437	0420	N09	W08	.173	11939	1.6	20	-F	2	C		.33			
GRP45072	02	0844	0909	0853	N08	W16	.287	11939	1.2	25	-N			.94				
ATHN	02	0837	0855	0841	N11	W12	.248	11939	1.5	18	-F	3	V		.33			
ABST	02	0840	0915D	0855	N05	W16	.277	11939	1.2	35D	-F	P	0855	1.08	1.20			
CANR	02	0845	0900		N08	W17	.303	11939	1.1	15	-F	3	V	0848	.60	.60		
HTPR	02	0847	0910	0850	N08	W15	.272	11939	1.2	23	-F	C	0850	.62	.60			
HTPR	02	0847	0910	0855	N08	W15	.272	11939	1.2	23	-F	C	0855	.52	.50			
CATA	02	0850	0915	0850	N08	W15	.272	11939	1.2	25	-N	C	0850	1.44	1.50	(170)		
ATHN	02	0852E	0910	0857	N09	W18	.324	11939	1.0	18D	-N	3	V		1.16			
ABST	02	0853E	0910	0856	N07	W19	.331	11939	30.9	17D	-N	P	0856	.90	1.00			
GRP45073	02	0936	1004	0939	N06	W15	.263	11939	1.3	28	--N			.82				
CATA	02	0935	1005	0940	N07	W14	.251	11939	1.3	30	-N	C	0940	.46	.48	(172)		
HTPR	02	0935	1005	0939	N06	W15	.263	11939	1.3	30	-F	C	0939	.31	.30			
ATHN	02	0936E	0959	0937	N06	W15	.263	11939	1.3	23D	-F	3	V		.50			
TEHR	02	0936	0959	0940	N06	W16	.280	11939	1.2	23	-N	4	V		.65			
CAPS	02	0937E	1010D		N06	W14	.247	11939	1.4	33D	-N	1	V	0942	.40	.40	(165)	
ABST	02	0938E	0952D	0940	N05	W15	.261	11939	1.3	14D	1F	P	0940	2.70	2.80			
ARCE	02	0947E	0949D		N06	W16	.280	11939	1.2	2D	-N	P	0948	.71	.70			
GRP45076	02	1346	1440	1357	N06	W18	.312	11939	1.2	54	-N			1.20				
CATA	02	1345	1405D	1400	N06	W18	.312	11939	1.2	20D	-B	P	1400	1.62	1.71	(224)		
HTPR	02	1346	1445	1351	N06	W17	.296	11939	1.3	59	-F	C	1351	.83	.90			
HUAN	02	1347	1435		N05	W18	.310	11939	1.2	48	-N	1	C	1357	.72	.76		
MCHA	02	1347	1430D		N05	W18	.310	11939	1.2	43D	-N	P	1350	.67	.70			
TEHR	02	1352E	1439	1357	N05	W19	.327	11939	1.2	47D	-N	3	V		1.19			
RAMY	02	1355E	1437	1358	N06	W18	.312	11939	1.2	42D	-N	3	C		2.04			
CAPS	02	1405E	1446D		N07	W15	.267	11939	1.5	41D	-N	2	S	1405	1.30	1.40	(171)	
GRP45077	02	1840	1854	1842	N06	W23	.393	11939	1.1	14	--F			.46				
RAMY	02	1837	1859	1840	N06	W22	.377	11939	1.1	22	-F	3	C		.56			
HUAN	02	1838	1850	1840	N06	W24	.409	11939	1.0	12	-F	1	C	1840	.31	.34		
CANR	02	1842	1846D	1846	N07	W22	.379	11939	1.1	4D	-F	2	V	1846	.60	.60		
PALE	02	1842E	1854	1843U	N06	W23	.393	11939	1.1	12D	-F	2	C		.36			
078 HUAN	02	2020	2048		N14	E41	.668	11945	5.9	28	--F	1	C					
GRP45079	02	2039	2124	2046	N06	W24	.409	11939	1.1	45	--F			.55				
PALE	02	2039	2121	2046	N06	W24	.409	11939	1.1	42	-N	3	C		.55			
HUAN	02	2041U	2127U		N06	W24	.409	11939	1.1	46D	-F	1	C					
GRP45080	02	2148	2217	2200	N06	W25	.424	11939	1.0	29	--F			.42				
HUAN	02	2148	2217		N06	W27	.455	11939	30.9	29	-F	1	C	2157	.26	.29		
PALE	02	2153E	2208D	2157U	N06	W25	.424	11939	1.0	15D	-F	3	C		.55			
RAMY	02	2201E	2212D	2203U	N06	W23	.393	11939	1.2	11D	-F	1	C		.46			
	02	2353	2358															
081 MITK	03	0025	0040	0027	S09	E90	1.000	11949	9.8	15	1N	C	0027	.62				

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.

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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 Hg	MAX. INT. %			
					LAT.	MER. DIST.														
	1972 JUL																			
GRP45082	03	0518	0551	0523	N06	W28	.470	11939	1.1	33	--F								7 7 7 8	
HTPR	03	0513	0605	0523	N07	W28	.472	11939	1.1	52	-F	C	0523	.52	.60					
ABST	03	0514	0620	0525	N06	W30	.501	11939	1.0	66	1F	C	0525	2.70	3.10				E	
MANI	03	0515	0530	0521	N06	W29	.486	11939	1.0	15	-F	2	0521	.83	.94					
ABST	03	0515	0617	0525	N06	W25	.424	11939	1.3	62	-F	C	0525	1.08	1.20				EZ	
TEHR	03	0518E	0540	0523	N05	W26	.438	11939	1.3	22D	-N	3	V		.84				F	
ATHN	03	0519E	0600	0522	N05	W29	.485	11939	1.0	41D	-F	3	V		.66				DE	
CRON	03	0523E	0532	0523	N06	W30	.501	11939	1.0	9D	-F	3	V	0532	.65					
CATA	03	0525	0550D	0525	N06	W28	.470	11939	1.1	25D	-N		P	0525	1.51	1.71	(204)			
GRP45083	03	0748	0804	0750	N09	W27	.461	11939	1.3	16	-N				.88				6 6 5 7	
HTPR	03	0747	0800	0748	N09	W28	.476	11939	1.2	13	-N	C	0748	.41	.50				E	
ATHN	03	0748E	0815D	0749	N08	W28	.474	11939	1.2	27D	-F	3	V		.50				DE	
ABST	03	0748	0805	0750	N09	W28	.476	11939	1.2	17	1F	C	0750	1.98	2.20				EZ	
TEHR	03	0749E	0757	0749U	N08	W27	.459	11939	1.3	8D	-N	3	V		.36				F	
MONT	03	0749	0758	0754	N09	W26	.446	11939	1.4	9	-N	C	0754	1.13					C	
CAPS	03	0750E	0808D		N08	W25	.428	11939	1.5	18D	-N	2	V							
GRP45090	03	1120	1126	1122	N13	W76	.969	11948	27.8	6	--F				.40				3 3 3 6	
ABST	03	1119	1128D	1121	N13	W79	.980	11948	27.5	9D	1N	P	1121	.90					D	
HTPR	03	1120	1125	1122	N13	W75	.965	11948	27.8	5	-F	C	1122	.21						
MONT	03	1120	1125	1122	N13	W73	.955	11948	28.0	5	-F	C	1122	.10						
GRP45094	03	1329	1349	1333	N13	W74	.960	11948	28.0	20	--F				.26				4 4 3 6	
ARCE	03	1305E	1355D		N12	W75	.965	11948	27.9	50D	-F	C	1335	.26						
HTPR	03	1328	1345	1333	N13	W75	.965	11948	27.9	17	-F	C	1333	.21						
HUAN	03	1330	1344	1334	N13	W72	.950	11948	28.2	14	-N	1	C	1334	.31				DE	
RAMY	03	1330	1350	1333	N12	W73	.955	11948	28.1	20	-N	4	V							
GRP45095	03	1729	1814	1740	S01	W34	.563	11950	1.2	45	-N				.78				4 4 4 5	
HTPR	03	1727	1828D	1740	N03	W35	.573	11950	1.1	61D	-N	C	1740	1.65	2.00				FI	
HUAN	03	1730	1755		S02	W35	.579	11950	1.1	25	-N	1	C	1736	.36	.44				E
CANR	03	1731	1810	1741	N01	W34	.560	11950	1.2	39	-N	2	V	1741	.60	.70				DE
RAMY	03	1737E	1822	1738U	S05	W33	.558	11950	1.3	45D	-N	3	V		.52					
45095	03	1734	1833	(1750)	N06	W36	.588	11939	1.0	59	*-B				1.73				2 2 2 5	
MCMA	03	1730E	1833D		N06	W36	.588	11939	1.0	63D	18	C	1751	1.96	2.50				E	
HUAN	03	1737	1832		N05	W35	.573	11939	1.1	55	-B	1	C	1749	1.50	1.87				E
096 HUAN	03	1919	1923		S02	W36	.593	11950	1.1	4	--F	1	C						2	
GRP45097	03	2018	2027	2021	S02	W37	.606	11950	1.1	9	--F				.29				2 2 2 2	
HUAN	03	2018	2027	2021	S02	W36	.593	11950	1.1	9	-F	1	C	2021	.26	.32				D
MCMA	03	2018	2023D		S01	W37	.605	11950	1.1	5D	-N		P	2023	.31	.40				E
	03	2055	2102		NO FLARE PATROL															
	03	2212	0030		NO FLARE PATROL															
	04	0031	0034		NO FLARE PATROL															
	04	0251	0300		NO FLARE PATROL															
	04	0456	0505		NO FLARE PATROL															
GRP45098	04	0502E	0527	0507	S09	E76	.973	11949	9.9	25	-N				.68				3 3 3 3	
CRON	04	0502E	0521		S11	E75	.970	11949	9.8	19D	-N	3	V		.50					
CATA	04	0505E	0515	0505	S08	E74	.964	11949	9.8	10D	-N		P	0505	.29				(188)	
ABST	04	0505E	0545	0508	S09	E78	.981	11949	10.1	40D	1F		P	0508	1.26				EJZ	
45098	04	0526	0545	0528	S12	E74	.966	11949	9.8	19	*-N				.61				5 5 5 5	
MANI	04	0520E	0542	0528	S10	E72	.956	11949	9.6	22D	-N	2		0528	.62	1.37				
ABST	04	0525E	0610	0526	S14	E79	.985	11949	10.2	45D	1N		P	0526	1.18				EJ	
HTPR	04	0526E	0540		S12	E72	.957	11949	9.6	14D	-F		C	0526	.21					
CRON	04	0527E	0536	0527	S12	E75	.970	11949	9.9	9D	-N	3	V	0527	.50				(202)	
CATA	04	0530	0535	0530	S11	E74	.966	11949	9.8	5	-N		C	0530	.52				E	
GRP45099	04	0533	0557	0543	N13	W86	.997	11948	27.8	24	--F				.37				2 2 2 5	
HTPR	04	0526E	0555	0542	N13	W85	.995	11948	27.9	29D	-F	C	0542	.10					D	
ABST	04	0539	0559	0543	N13	W87	.998	11948	27.7	20	-F	P	0543	.63					OG	
GRP45100	04	0623	0643	0626	N13	E51	.781	11947	8.1	20	--F				.61				2 2 2 5	
HTPR	04	0623	0638	0626	N12	E53	.801	11947	8.2	15	-F	C	0626	.52	.90					
CAPS	04	0625E	0648D		N13	E49	.759	11947	7.9	23D	-N	3	P	0630	.70	1.10	(160)		C	

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	DATE 1972 JUL	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %		
GRP45138	06	0200	0223	0206	N05 W70	.939	11939	30.8	23	-N								3 2 2 4	
CULG	06	0156	0251E	0205	N08 W70	.944	11939	30.8	55	1N		0205	.70					F	
TEHR	06	0158E	0225	0206U	N05 W70	.939	11939	30.8	27D	-N	3		.85					F	
PALE	06	0202	0221	0205	N04 W69	.933	11939	30.9	19	-N	1		.55					F	
GRP45139	06	0442E	0457	0444	S14 E50	.794	11949	9.9	15	--N			.21					2 2 2 5	
TEHR	06	0442E	0449	0443U	S13 E50	.791	11949	9.9	7D	-N	4		.09					DE	
ATHN	06	0442E	0505	0444	S14 E50	.794	11949	9.9	23D	-N	2		.33					DE	
GRP45140	06	0645	0725	0651	N07 W75	.965	11939	30.7	40	1N			1.24					7 7 7 8	
HTPR	06	0645	0720	0646	N07 W75	.965	11939	30.7	35	-N			.52					F	
ATHN	06	0645E	0717	0652	N09 W72	.949	11939	30.9	32D	1N	3		1.16					F	
MONT	06	0645	0737	0703	N06 W78	.977	11939	30.4	52	1N			0703	2.27					
CRON	06	0645E	0722	0646U	N06 W75	.965	11939	30.7	37D	1F	3		0646	.90					
CRON	06	0645E	0722	0653	N06 W75	.965	11939	30.7	37D	1F	3		0653	.80					
TEHR	06	0647E	0715	0650U	N07 W74	.960	11939	30.7	28D	-N	3		1.00					F H	
CAPS	06	0647E	0736D		N06 W75	.965	11939	30.7	49D	1B	2		0657	.60			(234)	CF	
BUCA	06	0650E	0729D		N05 W75	.965	11939	30.7	39D	1F			0656	2.21				E	
GRP45143	06	1011	1026	1012	N12 W66	.912	11939	1.5	15	--F			.25					3 2 2 10	
CATA	06	1010	1025	1010	N12 W66	.912	11939	1.5	15	-N			1010	.29			(180)		
HTPR	06	1012	1026	1014	N12 W65	.905	11939	1.5	14	-F			1014	.21				D	
ATHN	06	1018E	1033	1020	N08 W76	.969	11939	30.7	15D	-N	3		.33					DE	
GRP45145	06	1101	1129	1106	N09 W69	.932	11939	1.3	28	1N			1.13					10 10 10 11	
ATHN	06	1059E	1125	1102	N11 W68	.926	11939	1.4	26D	-N	3		.66					F	
MCMA	06	1059	1135	1101	N09 W68	.926	11939	1.4	36	-N			.52	1.50				E	
CATA	06	1100	1125	1100	N10 W69	.932	11939	1.3	25	1N			1100	1.04			(186)		
HTPR	06	1100	1128	1104	N10 W67	.919	11939	1.4	28	-N			1104	.72				E	
MONT	06	1100	1118	1106	N10 W70	.938	11939	1.2	18	-N			1106	1.13					
UPIC	06	1103	1140	1109	N09 W72	.949	11939	1.1	37	2N			1109	2.94					
CANR	06	1103	1130		N08 W68	.926	11939	1.4	27	1F	2		1104	.80	1.80				
CAPS	06	1103E	1133D		N03 W70	.939	11939	1.2	30D	1B	1		1109	1.40			(208)	C	
RAMY	06	1104E	1125	1104U	N10 W66	.912	11939	1.5	21D	-N	2		.74					F	
TEHR	06	1105E	1135	1115	N06 W68	.926	11939	1.4	30D	-N	4		1.39					F	
GRP45148	06	1134	1217	1142	S12 E44	.724	11949	9.8	43	--N			.27					7 6 5 10	
HTPR	06	1126	1225	1146	S11 E43	.709	11949	9.7	59	-N			.10	.20				D	
RAMY	06	1130	1156	1133	S11 E45	.732	11949	9.9	26	-N	3		.46					F	
ONDR	06	1134E	1241		S13 E43	.716	11949	9.7	67D	2N			1139	.30	4.80			COHIJ	
MCMA	06	1135	1230	1143	S12 E45	.735	11949	9.9	55	-N			1143	.21	.30			EKY	
CANR	06	1137	1210	1139	S10 E43	.705	11949	9.7	33	-N	3		1138	.30					
CATA	06	1140	1200	1140	S12 E44	.724	11949	9.8	20	-B			1140	.29	.42		(254)		
ARCE	06	1207E	1229		S10 E44	.717	11949	9.8	22D	-N			1210	.42	.60				
9 STATIONS REPORTING GROUP 45151.														4 STATIONS OBSERVING AND NOT REPORTING.					
GRP45151	06	1230	1317	1237	S09 E40	.666	11949	9.5	47	1N			2.06					9 8 7 13	
BOUL	06	1225	1315	1239	S07 E40	.659	11949	9.5	50	1N	1								
BOUL	06	1225	1315	1230	S07 E40	.659	11949	9.5	50	1N	1								
ARCE	06	1229	1320D	1238	S09 E40	.666	11949	9.5	51D	2B			1238	3.93	5.30			F	
MCMA	06	1230	1340	1239	S09 E44	.714	11949	9.8	70	1N			1239	1.80	2.50			FL	
HTPR	06	1230	1310	1234	S08 E42	.687	11949	9.7	40	-F			1234	.93	1.30			ETU	
ZURI	06	1231	1238	1236	S07 E41	.655	11949	9.6	7	-F			1236	.90	1.20				
RAMY	06	1231E	1314	1235	S10 E40	.669	11949	9.5	43D	-N	3		.74					F	
UPIC	06	1231	1300	1239	S08 E41	.675	11949	9.6	29	1F			1239	2.94					
CATA	06	1235	1240D	1235	S10 E38	.645	11949	9.4	5D	-B			1235	.98	1.29		(214)		
HERS	06	1240E	1246D	1240	S10 E38	.645	11949	9.4	6D	1F			1242	3.11	4.40			F	
45151	06	1250E	1320	1250	S09 E40	.666	11949	9.5	30	*-F			.75					2 2 1 12	
CATA	06	1250E	1315	1250	S10 E38	.645	11949	9.4	25D	-N			1250	.75	.98		(199)		
HUAN	06	1250E	1325U		S08 E41	.675	11949	9.6	35D	1F	1							E	
GRP45152	06	1358	1414	1402	N06 W78	.977	11939	30.7	16	--F			.44					4 4 2 11	
HUAN	06	1356	1413		N05 W80	.984	11939	30.6	17	-N	1								
RAMY	06	1356	1413	1358	N05 W75	.965	11939	1.0	17	-F	3		.62					DE	
MCMA	06	1357	1413	1359	N08 W80	.984	11939	30.6	16	-F			1359					E	
RAMY	06	1358E	1413	1358U	N06 W78	.977	11939	30.7	15D	-N	2		.56					DE	
HTPR	06	1402	1418D	1409	N07 W75	.965	11939	1.0	16D	-F			1409	.31					
GRP45153	06	1756	1806	1800	N10 E18	.326	11947	8.1	10	--F			.36					2 2 2 3	
RAMY	06	1755E	1806	1758U	N09 E18	.321	11947	8.1	11D	-F	3		.41					DE	
HUAN	06	1757	1806	1801	N11 E18	.332	11947	8.1	9	-F	1		1801	.31	.33			E	
GRP45154	06	1813	1821	1816	N10 E17	.311	11947	8.0	8	--F			.21					2 2 2 3	
RAMY	06	1812	1822	1816	N09 E17	.306	11947	8.0	10	-N	3		.21					DE	
HUAN	06	1814	1820	1816	N11 E17	.317	11947	8.0	6	-F	1		1816	.21	.22			D	
156 HUAN	06	1924	1933	1927	S10 E41	.682	11949	9.9	9	--N	1		1927	.26	.35			D	

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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.															
	1972																				
	JUL																				
157 HUAN	06	2003	2008	2006	S10	E40	.669	11949	9.8	5	--F	1	C	2006	.26	.35		D	2		
158 HUAN	06	2104	2115	2111U	S10	E39	.657	11949	9.8	11	--N	1	C	2111	.26	.34		D	2		
159 HUAN	06	2137	2142	2139	S10	E39	.657	11949	9.8	5	--F	1	C	2139	.21	.27		D	3		
161 PALE	06	2346	0029	2353	N06	E16	.278	11947	8.2	43	--N	2	C		.81			F Z	1		
	06	2359	0000	NO FLARE PATROL																	
162 PALE	07	0214	0229	0218	S10	E37	.633	11949	9.9	15	--N	3	C		.55				2		
163 PALE	07	0221	0232	0224	N11	E13	.257	11947	8.1	11	--F	3	C		.36			F	2		
GRP45166	07	0740	0747	0742	S09	E32	.563	11949	9.7	7	--N				.54			5	5	5	6
ATHN	07	0739	0746	0742	S09	E31	.550	11949	9.6	7	-F	2	C		.50			DE			
HTPR	07	0739	0746	0741	S09	E33	.576	11949	9.8	7	-F		C	0741	.21	.20		E			
MONT	07	0740	0746	0742	S08	E33	.572	11949	9.8	6	-N		C	0742	.72						
TEHR	07	0740	0748	0744	S09	E31	.550	11949	9.6	8	-N	4	V		.56			DE			
CATA	07	0740	0750	0740	S09	E30	.536	11949	9.6	10	-B		C	0740	.69	.83	(206)				
GRP45167	07	0756	0811	0801	S10	E33	.581	11949	9.8	15	--F				.61			4	4	4	7
CATA	07	0755	0820	0800	S10	E31	.555	11949	9.7	25	-N		C	0800	1.22	1.45	(199)				
TEHR	07	0755E	0802	0758	S10	E32	.568	11949	9.7	70	-N	4	V		.37			DE			
MONT	07	0757	0801	0759	S11	E35	.612	11949	10.0	4	-F		C	0759	.21						
ARCE	07	0800E	0820	0806	S08	E32	.558	11949	9.7	200	-F		C	0806	.65	.80					
GRP45169	07	0926	0953	0933	N10	E09	.192	11947	8.1	27	-N				1.07			8	7	7	8
ARCE	07	0920	0957	0931	N11	E08	.189	11947	8.0	37	-N		C	0932	1.78	1.80		F			
ZURI	07	0925	0950	0929	N11	E08	.286	11947	8.0	25	-B			0929	.80	.80					
TEHR	07	0925	0952	0935	N10	E09	.192	11947	8.1	27	-N	4	V		1.37			F			
ATHN	07	0926	0948	0930	N10	E08	.178	11947	8.0	22	-N	2	C		.50			DE			
HTPR	07	0926	0950	0930	N10	E09	.192	11947	8.1	24	-N		C	0930	.62	.60					
MONT	07	0927	0946	0933	N10	E09	.192	11947	8.1	19	-N		C	0933	.72						
CAPS	07	0928E	1001D		N10	E10	.206	11947	8.1	330	-N	2	P	0932	.90	.90	(164)	C			
CATA	07	0930	0955	0940	N11	E08	.189	11947	8.0	25	-B		C	0940	1.62	1.65	(251)				
GRP45170	07	1021	1030	1026	N07	E10	.183	11947	8.2	9	--F				.33			4	4	4	6
TEHR	07	1020	1030	1026	N06	E11	.195	11947	8.3	10	-N	4	V		.37			DE			
CAPS	07	1021	1030		N08	E10	.189	11947	8.2	9	-F	3	V	1026	.40	.40	(152)				
MONT	07	1023	1025	1024	N06	E11	.195	11947	8.3	2	-F		C	1024	.21						
ATHN	07	1025E	1036	1027	N06	E09	.162	11947	8.1	110	-F	3	V		.33			DE			
GRP45171	07	1028	1053	1030	N05	W90	1.000	11939	30.7	25	-N				.94			5	5	3	7
HTPR	07	1026	1051D	1030	N04	W90	1.000	11939	30.7	250	-N		C	1030	.41						
MONT	07	1028	1044	1030	N05	W90	1.000	11939	30.7	16	-N		C	1030	1.13						
CAPS	07	1028E	1115D		N07	W90	1.000	11939	30.7	470	-N	3	P					F			
ATHN	07	1029E	1044	1029	N06	W90	1.000	11939	30.7	150	-N	3	V					A			
CATA	07	1030	1050	1030	N05	W90	1.000	11939	30.7	20	1N		C	1030	1.27		(178)				
GRP45173	07	1120	1152	1126	N11	E07	.177	11947	8.0	32	1N				2.87			9	9	8	10
RAMY	07	1117	1158	1123	N11	E07	.177	11947	8.0	41	1F	3	C		2.32			F			
TEHR	07	1118E	1147	1125	N10	E08	.178	11947	8.1	290	-B	4	V		1.84			F H			
TEHR	07	1118E	1147	1125	N10	E08	.178	11947	8.1	290	-B	4	V		1.84			F H			
CAPS	07	1119E	1153D		N10	E10	.206	11947	8.2	340	-B	3	P	1123	1.50	1.50	(130)	C			
MONT	07	1119	1130D	1124	N10	E06	.153	11947	7.9	110	1N		C	1124	2.58						
CATA	07	1120	1140	1125	N11	E08	.189	11947	8.1	20	1B		C	1125	3.25	3.30	(246)				
MCHA	07	1122E	1200D	1134	N10	E07	.165	11947	8.0	380	1B		C	1134	2.06	2.10		EF			
HTPR	07	1124	1155	1124	N10	E08	.178	11947	8.1	31	1N		C	1124	2.17	2.10		U			
KHAR	07	1125E	1125D		N12	E05	.171	11947	7.9		1N		V					D			
ABST	07	1126E	1139D	1126	N11	E08	.189	11947	8.1	130	2N		P	1126	7.20	7.30		BE			
GRP45174	07	1320	1333	1322	S12	W62	.895	11940	2.9	13	--F				.24			4	4	3	10
RAMY	07	1319	1334	1321	S11	W60	.878	11940	3.1	15	-F	3	C		.28			DE			
ARCE	07	1320E	1340D		S13	W63	.904	11940	2.8	200	-F		C	1320	.23	.50					
HTPR	07	1320	1330	1323	S12	W62	.895	11940	2.9	10	-F		C	1323	.21	.40		E			
HUAN	07	1321	1329		S12	W61	.888	11940	3.0	8	-F	1	C								
RAMY	07	1328E	1337	1328U	S12	W63	.903	11940	2.8	90	-F	3	V		.15			DE			
6 STATIONS REPORTING GROUP 45176. 4 STATIONS OBSERVING AND NOT REPORTING.																					
GRP45176	07	1418	1517	1444	N11	E07	.177	11947	8.1	59	-B				1.68			4	4	4	10
HUAN	07	1415	1513	1442U	N11	E07	.177	11947	8.1	58	-N	1	C	1442	1.13	1.16		E			
MCHA	07	1418E	1515		N10	E06	.153	11947	8.0	570	-B		C	1452	1.29	1.30		E			
CATA	07	1420	1505D	1445	N11	E07	.177	11947	8.1	450	1B		P	1445	2.08	2.11	(254)	E			
CAPS	07	1425E	1524D	1444	N10	E08	.178	11947	8.2	590	1B	2	P	1452	2.20	2.30	(215)				

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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 Hd	MAX. INT. %		
					LAT.	MER. DIST.													
45176	07	1426	1511	1435	N10	E08	.178	11947	8.2	45	*-N							3 2 2 11	
ZURI	07	1417	1510	1449	N11	E08	.286	11947	8.2	53	1B		1449	3.50	3.60				
LOCA	07	1426	1510	1435	N09	E06	.141	11947	8.1	44	1N	V	1435	2.31	2.40				
RAMY	07	1432E	1512	1435U	N11	E09	.202	11947	8.3	40D	-N 3	V		1.44				F	
GRP45177	07	1522	1548	1524	S10	E29	.528	11949	9.8	26	--N			.39				5 5 5 8	
HUAN	07	1520	1530	1524U	S09	E29	.522	11949	9.8	10	-N	1 C	1524	.36	.43			E	
RAMY	07	1521	1540	1523	S10	E30	.542	11949	9.9	19	-N	3 C		.46				DE	
MCMA	07	1522	1555	1524	S11	E27	.508	11949	9.7	33	-N	C	1524	.41	.50			E	
HTPR	07	1523	1555	1526	S09	E26	.481	11949	9.6	32	-F	C	1526	.21	.20				
CAPS	07	1525E	1546D		S10	E33	.581	11949	10.1	21D	-N	2 P	1527	.50	.60		(185)	C	
HUAN	07	1525	1544	1529	S09	E25	.468	11949	9.5	19	-F	1 C	1529	.26	.29			D	
GRP45178	07	1527	1539	1530	N09	E05	.129	11947	8.0	12	--N			.51				3 3 3 6	
HUAN	07	1527	1536	1529	N10	E04	.133	11947	7.9	9	-F	1 C	1529	.31	.31			E	
CAPS	07	1527E	1540D		N10	E08	.178	11947	8.2	13D	-N	2 P	1529	.80	.80				
MCMA	07	1529E	1542	1531	N08	E03	.094	11947	7.9	13D	-N	C	1531	.41	.40			E	
GRP45179	07	1659	1708	1701	N10	E03	.124	11947	7.9	9	--F			.27				3 3 3 8	
HTPR	07	1659	1708	1702	N09	E02	.102	11947	7.9	9	-F	C	1702	.21	.20			D	
HUAN	07	1659	1704	1700	N10	E03	.124	11947	7.9	5	-F	1 C	1700	.21	.21			D	
CANR	07	1700	1712	1701	N10	E05	.142	11947	8.1	12	-N	2 V	1701	.40	.40				
GRP45180	07	1725	1740	1727	N10	E04	.133	11947	8.0	15	--N			.65				5 5 4 6	
CANR	07	1723	1735	1726	N11	E06	.166	11947	8.2	12	-N	2 V	1726	1.20	1.20				
RAMY	07	1724	1740	1727	N10	E05	.142	11947	8.1	16	-F	3 V		.52				DE	
HUAN	07	1725	1736	1727	N10	E03	.124	11947	8.0	11	-N	2 C	1727	.46	.47			E	
HTPR	07	1725	1740	1728	N10	E03	.124	11947	8.0	15	-F	C	1728	.41	.40			E	
BOUL	07	1726	1750	1728	N09	E03	.109	11947	8.0	24	-N	2 V							
	07	2128	2129	NO FLARE PATROL															
	07	2138	2147	NO FLARE PATROL															
182 PALE	07	2304	2315	2310	N10	E01	.115	11947	8.0	11	--F	3 C		.36				F	
	07	2358	0003	NO FLARE PATROL															
	08	0005	0026	NO FLARE PATROL															
GRP45183	08	0026E	0047	0031	S07	E21	.399	11949	9.6	21	-B			1.03				2 2 2 2	
PALE	08	0026E	0044	0031U	S08	E22	.420	11949	9.7	18D	-N	2 V		.93				F	
PALE	08	0026E	0045D	0031U	S07	E21	.399	11949	9.6	19D	-N	2 C		.91				F	
MITK	08	0035E	0047D		S06	E20	.377	11949	9.5	12D	-B	C	0036	1.13	1.20			E	
185 ATHN	08	0432E	0446	0433	S10	E22	.435	11949	9.8	14D	--N	2 V		.66				F	
GRP45186	08	0535E	0550	0537	N06	W03	.067	11947	8.0	15	--F			.53				2 2 2 4	
CAPF	08	0535E	0553	0535	N06	W01	.045	11947	8.2	18D	-N	P	0535	.73	.75			CE	
ATHN	08	0538E	0547	0538U	N05	W04	.074	11947	7.9	9D	-F	3 V		.33				DE	
GRP45187	08	0642	0707	0644	S09	E19	.387	11949	9.7	25	--F			.72				4 4 4 8	
CAPS	08	0636	0720D		S09	E20	.400	11949	9.8	44D	-N	3 V	0645	.80	.90		(189)	CH	
HTPR	08	0640	0700	0642	S08	E18	.364	11949	9.6	20	-F	C	0642	.41	.40				
ATHN	08	0645E	0650D	0645U	S10	E20	.409	11949	9.8	5D	-F	2 V		.50				DE	
CATA	08	0645	0700	0645	S08	E18	.364	11949	9.6	15	-N	C	0645	1.16	1.25		(174)		
GRP45188	08	0729	0749	0732	S09	E20	.400	11949	9.8	20	-N			1.35				6 5 5 9	
ZURI	08	0725	0745	0733	S08	E17	.301	11949	9.6	20	-B		0733	1.60	1.80				
BUCA	08	0726E	0743D		S08	E20	.392	11949	9.8	17D	1N	C	0732	2.21	2.40				
CAPS	08	0727E	0810D		S09	E20	.400	11949	9.8	43D	-B	3 V	0735	.70	.80		(220)	CW	
ATHN	08	0730E	0745D	0732	S10	E18	.383	11949	9.7	15D	-B	2 V		.83				DE	
KHAR	08	0730E	0731D		S09	E21	.414	11949	9.9	1D	1N	P	0731	2.27	2.50	1.20		E	
MONT	08	0731	0738	0732	S08	E20	.392	11949	9.8	7	-N	C	0732	.72					
45188	08	0748	0810	0754	S10	E20	.409	11949	9.8	22	*-N			.83				6 5 5 11	
BUCA	08	0743E	0805D		S09	E21	.414	11949	9.9	22D	-F	P	0757	1.10	1.20				
ZURI	08	0746	0820	0751	S09	E16	.290	11949	9.5	34	-N		0751	1.90	2.10				
HTPR	08	0746	0810	0750	S11	E20	.418	11949	9.8	24	-F	C	0750	.21	.20				
CATA	08	0755	0805	0755	S11	E20	.418	11949	9.8	10	-B	C	0755	.80	.89		(254)		
ABST	08	0756E	0801D	0758	S10	E20	.409	11949	9.8	5D	-N	P	0758	1.44	1.60			EZ	
ARCE	08	0800E	0820D		S11	E21	.430	11949	9.9	20D	-F	C	0800	.59	.60			B	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMTL PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
					LAT.	MER. DIST.													
1972 JUL																			
GRP45190	08	0853	0910	0900	S08	E20	.392	11949	9.9	17	--N								5 5 5 8
ARCE	08	0845E	0925D		S09	E20	.400	11949	9.9	40D	-N	C	0855	.40	.40				
CAPS	08	0853E	0913D		S08	E20	.392	11949	9.9	20D	-N	2 V	0858	.40	.40		(180)	C	
CATA	08	0855	0905	0900	S09	E19	.387	11949	9.8	10	-N	C	0900	.58	.63		(199)		
TEHR	08	0856	1027	1005	S09	E20	.400	11949	9.9	91	-N	4 V		.65				F	
TEHR	08	0856	1027	1019	S09	E20	.400	11949	9.9	91	-N	4 V		.46				F	
MONT	08	0857	0900	0858	S08	E20	.392	11949	9.9	3	-F	C	0858	.21					
TEHR	08	0900E	0908	0902	S08	E21	.406	11949	9.9	8D	-N	4 V		.46				F	
GRP45191	08	1130	1153	1134	S10	E19	.396	11949	9.9	23	--N			.49					3 3 3 7
HTPR	08	1129	1155	1134	S11	E18	.392	11949	9.8	26	-F	C	1134	.21	.20				
RAMY	08	1130	1152	1133	S11	E18	.392	11949	9.8	22	-N	2 C		.56					
CAPS	08	1133E	1153D		S09	E20	.400	11949	10.0	20D	-N	2 P	1143	.70	.80		(166)	CH	
GRP45194	08	1326	1357	1331	N11	W07	.176	11947	8.0	31	-B			1.21					9 8 8 12
BOUL	08	1323	1354	1328	N11	W08	.188	11947	8.0	31	-N	3 V	1328	.20	2.00				
ZURI	08	1325	1355	1331	N10	W05	.248	11947	8.2	30	-B		1331	1.80	1.90				
CATA	08	1325	1355	1335	N11	W07	.176	11947	8.0	30	-B	C	1335	1.73	1.77		(246)		
LOCA	08	1326	1356	1332	N10	W06	.152	11947	8.1	30	1N	V	1332	2.10	2.10				
HUAN	08	1326	1357	1331	N12	W07	.189	11947	8.0	31	-B	2 C	1331	1.19	1.20			E	
HTPR	08	1326	1342D	1328	N10	W08	.177	11947	8.0	16D	-N	C	1328	.41	.40			E	
RAMY	08	1327	1400	1331	N10	W06	.152	11947	8.1	33	-B	3 V		1.55				U F	
ATHN	08	1328E	1358	1332	N10	W08	.177	11947	8.0	30D	-B	3 V		1.32				U F	
CAPS	08	1333E	1400D		N12	W02	.150	11947	8.4	27D	-B	2 V	1333	1.20	1.20		(201)	CF	
GRP45195	08	1427	1439	1428	S10	E16	.358	11949	9.8	12	--N			.57					3 3 3 10
BOUL	08	1425	1442	1427	S09	E15	.335	11949	9.7	17	-N	3 V	1427	.60	.60				
HUAN	08	1426	1439	1427	S11	E16	.368	11949	9.8	13	-N	2 C	1427	.41	.44			E	
CATA	08	1430	1435	1430	S11	E16	.368	11949	9.8	5	-N	C	1430	.69	.75		(199)		
GRP45196	08	1516	1527	1518	S11	E17	.380	11949	9.9	11	--F			.63					5 5 4 9
RAMY	08	1515	1526	1517	S11	E17	.380	11949	9.9	11	-F	2 C		.56				DE	
HUAN	08	1515	1523	1517	S11	E16	.368	11949	9.8	8	-F	1 C							
CAPS	08	1516E	1531D		S09	E18	.373	11949	10.0	15D	-N	1 V	1516	.80	.90		(182)	C	
MCMA	08	1517E	1517D		S11	E16	.368	11949	9.8		-N	P	1517	.52	.60			E	
LOCA	08	1517	1529	1520	S11	E16	.368	11949	9.8	12	-F	V	1520	.63	.70				
GRP45197	08	1740	1751	1744	S10	E15	.345	11949	9.9	11	--N			.48					2 2 2 6
HUAN	08	1739	1750	1743	S10	E15	.345	11949	9.9	11	-N	2 C	1743	.36	.38			E	
CANR	08	1740	1751	1744	S10	E15	.345	11949	9.9	11	-N		1744	.60	.70				
GRP45198	08	1832	1911	1836	S12	E19	.415	11949	10.2	39	--F			.80					4 4 4 5
HUAN	08	1831	1857	1836	S12	E17	.391	11949	10.0	26	-F	2 C	1836	.21	.22			D	
BOUL	08	1831	1900	1835	S12	E19	.415	11949	10.2	29	-F	3 V	1835	1.70	2.00				
MCMA	08	1832	1852		S12	E18	.403	11949	10.1	20	-N	C	1843	.41	.40			EH	
RAMY	08	1833	1854	1838	S14	E19	.435	11949	10.2	21	-F	2 C		.65				DE	
HUAN	08	1835	1911		S08	E24	.448	11949	10.6	36	-F	2 C	1840	.21	.23			E	
	08	2100	2105	NO FLARE PATROL															
	08	2211	0002	NO FLARE PATROL															
GRP45201	09	0749	0753	0749	N12	W17	.322	11947	8.1	4	--N			.82					2 2 2 7
ABST	09	0747	0751	0747	N12	W16	.307	11947	8.1	4	-N	C	0747	1.35	1.40		71	EJV	
CATA	09	0750	0755	0750	N11	W17	.315	11947	8.1	5	-N	C	0750	.29	.30		(178)		
GRP45202	09	0927	0955	0934	N11	W19	.345	11947	8.0	28	-F			1.56					8 8 7 10
ARCE	09	0920E	0930D		N11	W18	.330	11947	8.0	10D	-F	C	0925	.09	.10			T	
ABST	09	0924E	0954	0934	N12	W17	.322	11947	8.1	30D	1F	P	0934	4.68	5.00		71	FJ	
ARCE	09	0925E	1000D		N12	W19	.351	11947	8.0	35D	-F	C	0935	.74	.80				
CANR	09	0927	1000	0938	N11	W19	.345	11947	8.0	33	-F	3 V	0938	1.30	1.30			D	
KHAR	09	0928E	0940D		N13	W19	.358	11947	8.0	12D	1F	P	0940	1.70	1.90		1.80		
CAPS	09	0929E	0955		N11	W14	.270	11947	8.3	26D	-N	3 P	0941	1.00	1.00		(182)	UHL	
CATA	09	0930	0955	0930	N10	W20	.355	11947	7.9	25	-N	C	0930	.52	.55		(178)		
ATHN	09	0934E	0940D	0934U	N10	W21	.371	11947	7.8	6D	-N	2 V		.99				F	
ONOR	09	0937E	0947		N10	W22	.386	11947	7.8	10D	-N	V	0941				1.90	CEH	
GRP45203	09	1506	1523	1512	S10	E03	.242	11949	9.9	17	--N			.68					6 6 5 7
CAPS	09	1504E	1521D		S10	E05	.252	11949	10.0	17D	-B	3 V	1508	.80	.80		(130)	CF	
RAMY	09	1504	1525	1513U	S10	E03	.242	11949	9.9	21	-N	3 C		.52				DE	
ATHN	09	1504	1525	1508	S12	E03	.275	11949	9.9	21	-F	3 V		.50				DE	
ONDR	09	1506E	1529	1519	S10	E03	.242	11949	9.9	23D	1N	V	1519				2.00	CEH	
BOUL	09	1507	1515	1508	S10	E03	.242	11949	9.9	8	-N	1 V	1508	1.00	1.00				
CANR	09	1511	1520	1512	S10	E02	.239	11949	9.8	9	-N	3 V	1512	.60	.60				
GRP45204	09	2020	2054	2028	S08	W03	.209	11949	9.6	34	-N			1.76					3 3 2 3
RAMY	09	2020	2055	2028	S08	W04	.214	11949	9.5	35	-N	3 C		.93				F	
VORO	09	2023E	2052		S08	W02	.206	11949	9.7	29D	1N	C	2028	2.59	2.63		71	E	
HUAN	09	2027E	2028D		S07	W03	.193	11949	9.6	1D	-N	1 P						E	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.												
	1972 JUL																	
	09	2305	0000	NO FLARE PATROL														
205 CULG	09	2309	0106	2344	N09	W04	.225	11957	9.7	117	1N		2344	3.50	3.50		1	
GRP45206	10	0822	0932	0831	S05	W12	.257	11949	9.4	70	1B			2.32			8 8 8 11	
ARCE	10	0808E	0941D	0833	S08	W08	.246	11949	9.7	93D	1B	C	0833	2.73	2.80		HF	
CRON	10	0820	0855	0823	S07	W11	.266	11949	9.5	35	-F	1	C	0823	.54	.54		
MONT	10	0820	0937	0842	S08	W10	.267	11949	9.6	77	1B	C	0842	2.58				
ABST	10	0821	0955	0833	S07	W09	.243	11949	9.7	94	2B	C	0833	5.40	5.60	100	EZ	
ATHN	10	0822	0912	0825	S08	W10	.267	11949	9.6	50	-N	3	C	1.82			F	
HTPR	10	0822	0930	0829	S08	W12	.289	11949	9.4	68	-N	C	0829	.62	.60		E	
CATA	10	0825	0925	0835	S07	W10	.254	11949	9.6	60	1B	C	0835	2.90	3.00	(282)		
CAPS	10	0825E	0922D		N11	W26	.450	11949	8.4	57D	1B	2	P	0829	2.00	2.30	(243)	BEF
GRP45207	10	1101	1113	1106	N07	W33	.545	11947	8.0	12	--F			.24			3 3 3 10	
ATHN	10	1100	1113	1105	N07	W34	.559	11947	7.9	13	-F	3	C	.33			DE	
HTPR	10	1102	1112	1103	N07	W33	.545	11947	8.0	10	-F	C	1103	.21	.30		EK	
HTPR	10	1102	1112	1108	N07	W33	.545	11947	8.0	10	-F	C	1108	.21	.30		EK	
TEHR	10	1108E	1114	1110U	N06	W32	.529	11947	8.1	6D	-N	4	V	.19			DE	
GRP45208	10	1518	1550	1522	S10	W12	.313	11949	9.7	32	--N			.89			6 6 6 9	
RAMY	10	1514	1605	1522	S08	W14	.314	11949	9.6	51	-F	3	C	1.24			F	
ATHN	10	1517	1551D	1519U	S10	W12	.313	11949	9.7	34D	-N	2	C	.99			DE	
HTPR	10	1518	1530	1520	S10	W12	.313	11949	9.7	12	-F	C	1520	.52	.50			
BOUL	10	1518	1532	1521	S13	W11	.343	11949	9.8	14	-F	2	C	1521	.54	.57		
CAPS	10	1519E	1600D		S10	W10	.293	11949	9.9	41D	-B	2	V	1521	1.00	1.00	(205)	C
MCMA	10	1519	1600D	1526	S10	W11	.303	11949	9.8	41D	-N	C	1526	1.03	1.00		E	
GRP45209	10	1820	1851	1824	N09	W34	.562	11947	8.2	31	--F			.41			5 5 4 5	
HTPR	10	1815	1829D	1828	N09	W33	.547	11947	8.3	14D	-F	C	1828	.41	.50			
PALE	10	1818E	1840	1821U	N09	W31	.518	11947	8.4	22D	-N	3	V	.62			ZOE	
MCMA	10	1821E	1855		N10	W32	.535	11947	8.4	34D	-F	C	1822	.41	.50		E	
BOUL	10	1822	1857	1824	N08	W36	.588	11947	8.1	35	-F	3	V					
CANR	10	1825	1850		N09	W36	.590	11947	8.1	25	-N	2	V	1826	.20	.30		
210 MCMA	10	1953	2004D	1957	S09	W13	.313	11949	9.9	11D	--N	C	1957	.26	.30		DL 1	
	10	2002	2005	NO FLARE PATROL														
	10	2006	2020	NO FLARE PATROL														
	10	2208	2227	NO FLARE PATROL														
	10	2350	0006	NO FLARE PATROL														
	11	0200	0201	NO FLARE PATROL														
GRP45212	11	0651	0700	0653	S09	W18	.376	11949	9.9	9	--N			.79			3 3 3 5	
ATHN	11	0648	0659	0652	S09	W19	.389	11949	9.9	11	-N	2	C	.33			DE	
ABST	11	0649	0700	0652	S08	W17	.354	11949	10.0	11	-N	C	0652	1.80	1.90	86	EJ	
CATA	11	0655	0700	0655	S09	W18	.376	11949	9.9	5	-N	C	0655	.23	.25	(180)		
GRP45213	11	0858	0907	0901	S08	W19	.381	11949	9.9	9	--N			.63			5 5 5 7	
HTPR	11	0855	0908	0901	S08	W19	.381	11949	9.9	13	-F	C	0901	.52	.60		H	
CRON	11	0857	0908		S09	W20	.403	11949	9.9	11	-F	3	V	.50				
CAPS	11	0859E	0908		S08	W18	.367	11949	10.0	9D	-N	1	V	0901	.80	.90	(189)	C
TEHR	11	0900E	0907	0902U	S08	W18	.367	11949	10.0	7D	-N	4	V	.19			DE H	
CATA	11	0900	0905	0900	S08	W19	.381	11949	9.9	5	-B	C	0900	1.16	1.26	(229)		
GRP45216	11	1353	1507	1404	S10	W24	.464	11949	9.8	74	1N			3.17			7 7 7 9	
ATHN	11	1349	1504	1401	S11	W29	.537	11949	9.4	75	1N	3	C	4.29			F	
CATA	11	1350	1455	1410	S11	W25	.485	11949	9.7	65	1B	C	1410	3.71	4.28	(232)		
TEHR	11	1352	1551D	1410	S08	W19	.381	11949	10.2	119D	1B	4	V	2.41			F U	
RAMY	11	1353	1455	1359	S11	W25	.485	11949	9.7	62	1N	3	C	2.48			F	
BOUL	11	1356	1512	1359	S12	W26	.505	11949	9.6	76	1N	3	V	1359	3.20	3.80		
HTPR	11	1356	1510	1359	S10	W27	.504	11949	9.6	74	-N	C	1359	1.13	1.30		U	
CAPS	11	1358E	1424D	1413	S09	W20	.403	11949	10.1	26D	2N	1	P	1413	5.00	5.50	(216)	CF
RAMY	11	1458E	1515D	1504U	S11	W24	.472	11949	9.8	17D	-F	2	V	1.24			F	
GRP45217	11	1631	1648	1634	S03	W60	.869	11951	7.2	17	--F			.21			2 2 1 5	
BOUL	11	1631	1650	1632	S03	W59	.860	11951	7.3	19	-F	3	V					
HTPR	11	1631	1645	1636	S02	W60	.868	11951	7.2	14	-F	C	1636	.21	.40		E	
GRP45218	11	2028	2045	2030	S09	W29	.525	11949	9.7	17	--N			.60			4 4 4 5	
RAMY	11	2026	2045	2029	S08	W29	.519	11949	9.7	19	-N	3	C	.56			DE	
BOUL	11	2028	2048	2030	S07	W27	.486	11949	9.8	20	-N	3	V	2030	.85	.90		
MCMA	11	2028	2040D	2030	S10	W29	.531	11949	9.7	12D	-B	C	2030	.52	.60		E	
HUAN	11	2028	2041	2029	S10	W30	.544	11949	9.6	13	-N	1	C	2029	.46	.55		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS				
	DATE 1972 JUL	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %					
219 RAMY	11	2127	2141	2129	S02	W57	.841	11951	7.6	14	--F	3	C	.46				DE	2		
	11	2225	2305	NO FLARE PATROL																	
	12	0125	0145	NO FLARE PATROL																	
5 STATIONS REPORTING GROUP 45221.					3 STATIONS OBSERVING AND NOT REPORTING.																
GRP45221	12	0817	0901	0821	N12	W49	.756	11957	8.7	44	-F			1.25				5	4	3	9
ABST	12	0812	0817D	0814	N14	W46	.724	11957	8.9	5D	-N	P	0814	1.08	1.60			EJ			
CATA	12	0815	0905	0815	N13	W47	.734	11957	8.8	50	-N	C	0815	.87	1.27		(182)				
CAPS	12	0815E	0815D		N06	W56	.827	11957	8.1		-N	1	S								
ABST	12	0817	0914	0822	N14	W46	.724	11957	8.9	57	1F	P	0822	2.17	3.20			EJK			
MONT	12	0822E	0838D	0826	N13	W47	.734	11957	8.8	16D	-F	C	0826	.72							
TEHR	12	0830	0843	0834	N13	W44	.699	11957	9.1	13	-N	3	V	.09				DE			
45221	12	0842E	0907D	0857	N11	W47	.732	11957	8.8	25	*-F			.25				2	2	2	8
ARCE	12	0842E	0859D		N11	W47	.732	11957	8.8	17D	-F	C	0854	.29	.40						
MONT	12	0850E	0907D	0857	N11	W47	.732	11957	8.8	17D	-F	C	0857	.21							
224 RAMY	12	1108E	1118D	1109U	N09	W58	.846	11947	8.1	10D	--F	2	C	.37				DE			4
GRP45225	12	1130	1149	1136	N13	W50	.768	11957	8.7	19	--F			.89				2	2	2	4
CATA	12	1130	1145D	1135	N13	W49	.757	11957	8.8	15D	-N	P	1135	1.27	1.94		(202)				
ATHN	12	1133E	1149	1136	N12	W51	.778	11957	8.7	16D	-F	3	V	.50				DE			
227 HUAN	12	1652	1659	1653	N09	W63	.889	11947	8.0	7	--F	1	C	1653	.26	.54		D			3
	12	2020	2033	NO FLARE PATROL																	
	12	2400	0002	NO FLARE PATROL																	
GRP45236	13	1604	1653	1610	N12	W66	.911	11957	8.7	49	--N			.44				5	4	4	7
CANR	13	1600	1656		N12	W66	.911	11957	8.7	56	-N	2	V	1603	.50	1.00					
HTPR	13	1605	1650	1612	N13	W65	.904	11957	8.8	45	-F	C	1612	.31	.70			D			
RAMY	13	1605	1634D	1608	N10	W64	.896	11957	8.9	29D	-N	3	C		.65			DE			
HUAN	13	1606	1639U		N12	W67	.918	11957	8.6	33D	-N	1	C	1617	.31						
ONDR	13	1620	1630D		N09	W68	.925	11957	8.6	10D	-N	V	1625			2.00					
GRP45239	14	0006E	0045	0013	N12	W69	.931	11957	8.8	39	-N			.55				3	2	1	3
BOUL	14	0006E	0045D	0015U	N12	W69	.931	11957	8.8	39D	-N	3	V								
PALE	14	0008E	0023D	0011	N12	W68	.925	11957	8.9	15D	-N	2	C	.55				F			
MANI	14	0025E	0035	0025	N12	W70	.937	11957	8.8	10D	-N	1		.52	1.11						
5 STATIONS REPORTING GROUP 45244.					2 STATIONS OBSERVING AND NOT REPORTING.																
GRP45244	14	0710	0802	0715	N12	W71	.943	11957	9.0	52	-N			1.06				3	3	3	6
ABST	14	0709	0832D	0717	N12	W72	.949	11957	8.9	83D	1N	P	0717	2.17				EJKZ			
CATA	14	0710	0755	0710	N11	W70	.937	11957	9.0	45	-N	C	0710	.69			(162)	T			
HTPR	14	0712	0740	0718	N12	W71	.943	11957	9.0	28	-F	C	0718	.31				D			
45244	14	0725E	0958D	(0730)	N10	W73	.954	11957	8.8	153	*-F			1.10				2	2	1	7
BUCA	14	0725E	0800D		N12	W71	.943	11957	9.0	35D	1F	P	0730	1.10				D			
CAPS	14	0725E	0958D		N08	W75	.964	11957	8.7	153D	-N	1	S					B			
GRP45249	14	1318	1347	1325	N12	W75	.963	11957	8.9	29	-N			.44				3	3	3	8
ARCE	14	1300E	1355D		N11	W74	.959	11957	9.0	55D	-N	C	1335	.69				H			
HUAN	14	1317	1341		N12	W77	.972	11957	8.8	24	-N	1	C	1325	.31						
HTPR	14	1319	1345	1325	N13	W75	.963	11957	8.9	26	-F	C	1325	.31				D			
253 HUAN	14	1733	1741		S07	E64	.905	11958	19.5	8	--F	1	C	1736	.31	.70		E			3
GRP45254	14	1755	1826	(1807)	S10	W40	.673	11959	11.7	31	--N			.44				2	2	2	4
HUAN	14	1755	1821		S10	W39	.661	11959	11.8	26	-N	1	C	1807	.36	.48		E			
MCMA	14	1759E	1830D		S09	W40	.669	11959	11.7	31D	-N	C	1807	.52	.70			E			
GRP45255	14	2004	2033	2008	N11	W83	.991	11957	8.6	29	-N			.26				2	1	1	2
HUAN	14	2004U	2033		N11	W83	.991	11957	8.6	29D	-N	1	C	2020	.26						
PALE	14	2004	2018D	2008U	N12	W81	.986	11957	8.8	14D	-N	2	C		.72			DE			
256 HUAN	14	2146	2152	2149	S06	E60	.873	11958	19.4	6	--F	1	C								2
257 CULG	14	2222	2231		S11	E54	.811	11958	19.0	9	1N			2225	1.30	2.50					1
GRP45258	15	0406	0425	0412	S09	W44	.717	11959	11.9	19	-F			.66				4	3	3	4
CULG	15	0400	0447	0416	S05	W44	.694	11959	11.9	47	1N			0416	2.30	3.30					
ATHN	15	0404	0421	0407	S10	W45	.732	11959	11.8	17	-F	2	C		.66			DE			
CRON	15	0405	0424	0414	S09	W45	.729	11959	11.8	19	-F	1	C	0414	.32	.47					
TEHR	15	0408	0429	0414	S09	W43	.706	11959	11.9	21	-N	4	V	1.00				F			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
					LAT.	MER. DIST.													
	1972 JUL																		
GRP45260	15	0530	0549	0534	S10	E55	.835	11958	19.4	19	--N			.37				5 5 5 7	
ABST	15	0526	0600	0528	S08	E60	.875	11958	19.7	34	-F	C	0528	.90	1.80			D	
CRON	15	0529	0648	0533	S11	E53	.818	11958	19.2	79	-N	1 C	0533	.22	.38				
ATHN	15	0530	0542	0534	S10	E54	.826	11958	19.3	12	-N	3 C		.33				DE	
ABST	15	0530	0550	0534	S09	E56	.842	11958	19.4	20	-B	C	0534	.90	1.50		82	D	
HTPR	15	0533E	0535D		S11	E54	.828	11958	19.3	20	-N	C	0535	.21	.40			D	
TEHR	15	0536E	0546	0536U	S11	E54	.828	11958	19.3	100	-N	4 V		.19				F	
GRP45261	15	0917	0936	0920	S08	E55	.831	11958	19.5	19	--F			.51				2 2 2 5	
HTPR	15	0917	0932	0920	S07	E55	.829	11958	19.5	15	-F	C	0920	.52	.90				
CAPS	15	0923E	0939D		S09	E55	.833	11958	19.5	160	-N	3 V	0924	.50	.90		(188)	C	
GRP45264	15	1123	1215	1129	N10	W90	1.000	11957	8.7	52	1B			1.43				6 6 4 6	
KHAR	15	1120E	1158D	1130	N12	W90	1.000	11957	8.7	380	2B	P	1127	1.70		5.10		D	
CANR	15	1123	1215	1135	N12	W89	.999	11957	8.8	52	1N	3 V							
ABST	15	1124	1145	1127	N11	W90	1.000	11957	8.7	21	1B	C	1127	1.80			98	AE	
HTPR	15	1124	1140	1127	N10	W90	1.000	11957	8.7	16	-B	C	1127	.41				A	
ATHN	15	1125E	1143D	1128U	N12	W89	.999	11957	8.8	180	1B	2 C						DE	
CAPS	15	1125E	1210D		N05	W90	1.000	11957	8.7	450	-N	2 P	1131	1.80				CF	
GRP45265	15	1228	1251	1230	S07	E54	.820	11958	19.6	23	--F			.54				4 4 4 7	
RAMY	15	1226E	1232D	1229	S08	E55	.831	11958	19.6	60	-N	3 V		.46				DE	
CANR	15	1227	1255	1232	S08	E56	.841	11958	19.7	28	-F	3 V		.60	.80				
ABST	15	1228	1235E	1229	S05	E53	.806	11958	19.5	70	1N	P	1229	.90	1.40			DV	
HTPR	15	1229	1246	1229	S06	E53	.808	11958	19.5	17	-F	C	1229	.21	.40			D	
GRP45266	15	1335	1351	1337	S11	E50	.789	11958	19.3	16	--F			.46				4 4 4 6	
RAMY	15	1334	1345D	1336	S12	E48	.771	11958	19.2	110	-N	2 C		.93				DE	
HTPR	15	1335	1350	1337	S10	E50	.786	11958	19.3	15	-F	C	1337	.41	.70				
CAPS	15	1336E	1348D		S11	E50	.789	11958	19.3	120	-F	2 S	1340	.30	.50		(152)	C	
HUAN	15	1345E	1352		S11	E50	.789	11958	19.3	70	-F	1 P	1345	.21	.33			D	
GRP45267	15	1346	1357	1348	S15	E37	.662	11958	18.3	11	--F			.29				2 2 2 7	
HUAN	15	1346	1356		S15	E36	.650	11958	18.3	10	-F	1 C	1349	.26	.34				
HTPR	15	1346	1357D	1348	S15	E37	.662	11958	18.3	110	-F	C	1348	.31	.40				
GRP45269	15	1502	1520	1505	S07	E52	.800	11958	19.5	18	--F			.25				2 2 2 4	
RAMY	15	1502	1520	1505	S07	E51	.790	11958	19.5	18	-F	2 C		.28				DE	
HUAN	15	1502	1519D	1504	S06	E52	.798	11958	19.5	170	-F	1 C	1504	.21	.34			D	
GRP45270	15	1706	1711	1707	S08	E49	.771	11958	19.4	5	--F			.45				2 2 2 3	
HUAN	15	1706U	1711	1707	S07	E50	.779	11958	19.5	50	-N	1 C	1707	.52	.82			E	
RAMY	15	1706E	1709D	1706U	S08	E48	.760	11958	19.3	30	-F	2 C		.37				DE	
	15	1900	1902		NO FLARE PATROL														
271 RAMY	15	2048	2259D	2050U	S07	E49	.768	11958	19.5	131D	-N	2 V		1.64				DE	1
	15	2056	2211		NO FLARE PATROL														
	15	2333	2349		NO FLARE PATROL														
	15	2400	0001		NO FLARE PATROL														
272 CULG	16	0113	0128		S10	E43	.686	11958	19.3	15	1N		0116	2.20	3.10				1
GRP45274	16	0807	0818	0808	S09	E44	.718	11958	19.6	11	--F			.82				2 2 2 7	
ABST	16	0804	0821	0806	S08	E44	.715	11958	19.6	17	-F	C	0806	1.35	1.90			E	
CATA	16	0810	0815	0810	S09	E44	.718	11958	19.6	5	-N	C	0810	.29	.41		(190)		
GRP45275	16	1354	1409	1358	S12	W33	.597	11954	14.1	15	-N			.88				8 8 7 10	
BOUL	16	1350	1412	1352	S11	W32	.579	11954	14.2	22	-B	3 V							
UPIC	16	1354	1408	1358	S13	W32	.591	11954	14.2	14	-N	C	1358	1.68					
RAMY	16	1355	1410	1358	S13	W32	.591	11954	14.2	15	-N	3 C		1.49				DE H	
CATA	16	1355E	1410	1355	S12	W32	.585	11954	14.2	150	-B	P	1355	1.16	1.41		(232)		
HUAN	16	1355	1407	1357	S12	W31	.572	11954	14.3	12	-N	1 C	1357	.46	.58				
MCHA	16	1356	1405	1358	S13	W32	.591	11954	14.2	9	-B	4 C	1358	.52	.60			EL	
TEHR	16	1357E	1406	1400	S08	W40	.666	11954	13.6	90	-N	4 V		.37				DE	
CAPS	16	1400E	1415D		S13	W30	.566	11954	14.3	150	-N	2 V	1405	.50	.60		(170)	C	
GRP45276	17	0007	0025	0010	S12	E15	.379	11958	18.1	18	-B			1.19				3 2 2 4	
CULG	17	0004	0038	0012	S12	E14	.290	11958	18.1	34	-N		0012	2.20	2.30				
PALE	17	0007E	0029	0010	S12	E15	.379	11958	18.1	22D	-N	3 C		.91				HDE	
VORO	17	0007	0021	0010	S12	E14	.368	11958	18.1	14	-B	C	0010	1.47	1.58		76	E	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH FLARE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
					LAT.	MER. DIST.													
GRP45321	21	1848	1901	1855	S09	E31	.557	11965	24.1	13	--N							3 3 3 4	
CANR	21	1846	1853	1851	S09	E31	.557	11965	24.1	7	-N	2	V	1851	.50	1.00			
PALE	21	1850	1906	1859	S09	E30	.544	11965	24.0	16	-N	3	C		.45			F	
HUAN	21	1902E	1903		S09	E31	.557	11965	24.1	10	-F	1	P	1902	.26	.31		D	
	21	2020	2039	NO FLARE PATROL															
GRP45322	21	2053	2129	2056	N08	W50	.763	11956	18.1	36	--B				.60				3 2 2 3
HUAN	21	2053	2129	2057U	N08	W51	.774	11956	18.0	36	-B	1	C	2057	.57	.89			E
PALE	21	2055E	2056D	2055U	N08	W49	.752	11956	18.2	10	-N	2	C		.63				F
MCMA	21	2111E	2112D		N08	W52	.785	11956	18.0	10	-N		P	2112	.52	.80			E
	21	2107	2111	NO FLARE PATROL															
	21	2200	2249	NO FLARE PATROL															
	21	2253	2256	NO FLARE PATROL															
	21	2350	0000	NO FLARE PATROL															
323 PALE	22	0200E	0202D	0200U	N07	W53	.796	11956	18.1	20	--F	3	V		.36				2
8 STATIONS REPORTING GROUP 45326. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP45326	22	0552	0626	0555	S09	W50	.785	11958	18.5	34	-N				1.18				6 6 6 6
ATHN	22	0549	0606	0553	S08	W51	.793	11958	18.4	17	-N	2	C		.66				F
TEHR	22	0549E	0622	0556	S09	W48	.764	11958	18.6	33D	-B	3	V		.56				F H
MANI	22	0549	0625	0556	S09	W50	.785	11958	18.5	36	-N	2		0556	.93	1.48			
ABST	22	0553E	0645	0555	S08	W51	.793	11958	18.4	52D	2N		P	0555	3.16	5.20	82		EJZ
CATA	22	0555	0605D	0555	S08	W50	.783	11958	18.5	100	-B		P	0555	1.16	1.80	(272)		Z
HTPR	22	0555E	0633D		S11	W50	.791	11958	18.5	38D	-N		C	0556	.62	1.00			
45326	22	0614E	0647D	(0616)	S08	W50	.783	11958	18.5	33	*-F				.85				2 2 2 8
BUCA	22	0614E	0628D		S08	W50	.783	11958	18.5	14D	-F		P	0614	1.10	1.80			
CAPS	22	0617E	0647D		S07	W50	.781	11958	18.5	30D	-N	1	S	0617	.60	1.00	(165)		C
GRP45327	22	0745E	0803	0750	S09	W38	.648	11958	19.5	18	-N				.95				3 3 3 10
ABST	22	0745E	0757D	0749	S10	W39	.664	11958	19.4	12D	1F		P	0749	1.89	2.50	72		E
TEHR	22	0748E	0758	0751	S10	W36	.627	11958	19.6	10D	-N	3	V		.37				F
CAPS	22	0748E	0807D		S08	W38	.644	11958	19.5	19D	-N	1	V	0748	.60	.60	(160)		CF
GRP45329	22	1026	1103	1034	S08	W52	.803	11958	18.5	37	-N				1.31				6 5 5 8
ATHN	22	1024	1052	1028	S08	W56	.842	11958	18.2	28	-N	2	C		1.32				F
CATA	22	1025	1045D	1030	S07	W53	.811	11958	18.5	20D	1B		P	1030	1.62	2.70	(219)		Z
LOCA	22	1025	1055D	1032	S09	W50	.785	11958	18.7	30D	-N		V	1032	1.26	2.00			
CAPS	22	1027E	1115D		S07	W50	.781	11958	18.7	48D	1B	1	V	1031	1.50	2.20	(256)		C
HTPR	22	1027	1110	1031	S09	W52	.806	11958	18.5	43	-F		C	1031	.83	1.40			DE
RAMY	22	1045	1104D	1050	S10	W53	.818	11958	18.5	19D	1N	2	C		2.60				
GRP45331	22	1130	1142	1131	S10	W41	.688	11958	19.4	12	-N				.85				6 6 6 7
ATHN	22	1128	1140	1130	S11	W42	.704	11958	19.3	12	-N	2	C		.50				DE
RAMY	22	1129	1130D	1130U	S10	W41	.688	11958	19.4	1D	-N	2	C		1.11				DE
CATA	22	1130E	1135D	1130	S10	W41	.688	11958	19.4	5D	-N		P	1130	.87	1.19	(190)		
CANR	22	1130	1143	1133	S09	W40	.672	11958	19.5	13	-N	2	V		1.50	2.00			
CAPS	22	1130E	1142D		S08	W38	.644	11958	19.6	12D	-B	1	V	1132	.80	.80	(196)		
HTPR	22	1132	1143	1134	S12	W42	.708	11958	19.3	11	-F		C	1134	.31	.40			E
GRP45332	22	1459	1601	1510	S10	E19	.409	11965	24.0	62	--N				.78				4 4 3 7
HTPR	22	1458	1610	1511	S10	E17	.384	11965	23.9	72	-F		C	1511	.62	.70			HU
MCMA	22	1459	1555	1508	S10	E18	.396	11965	24.0	56	-N		C	1508	.52	.60			EL
HUAN	22	1500	1520		S11	E14	.361	11965	23.7	20	-N	1	C						
RAMY	22	1505E	1558D	1512	S10	E26	.499	11965	24.6	53D	-N	3	C		1.21				DE
333 HUAN	22	2041	2052	2041	S05	E85	.997	11968	29.2	11	-N	1	C	2041	.26				0 4
GRP45334	22	2148	2156	2150	S11	W47	.760	11958	19.4	8	--F								2 2 0 3
BOUL	22	2148	2155	2150	S12	W48	.773	11958	19.3	7	-F	3	V						E
HUAN	22	2148	2156		S09	W46	.742	11958	19.5	8	-N	1	P						
	22	2353	0014	NO FLARE PATROL															
GRP45335	23	0343	0405	0345	S08	E09	.273	11965	23.8	22	-F				.41				2 1 1 5
CULG	23	0330	0445	0341	S09	E12	.241	11965	24.0	15	1F			0341	4.20	4.20			
MANI	23	0343E	0405	0345	S08	E09	.273	11965	23.8	22D	-F	2		0345	.41	.43			
GRP45336	23	0554	0601	0556	N08	W70	.937	11956	18.0	7	--F				.27				2 2 2 4
ATHN	23	0552	0600	0554	N08	W69	.931	11956	18.1	8	-F	3	C		.33				DE
HTPR	23	0556	0602	0557	N08	W70	.937	11956	18.0	6	-F		C	0557	.21				D
342 HUAN	23	1518	1526	1521U	S16	E88	1.000	11970	30.2	8	-F	1	C	1521	.15				DT 8

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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.														
	1972 JUL																			
GRP45345 RAMY HUAN	23	2004	2020	(2011)	S17	E86	.999	11970	30.3	16	--F	2	C		.21					2 2 1 3
	23	2004	2021		S18	E85	.998	11970	30.2	17	-F									DE
	23	2011E	2019		S16	E87	1.000	11970	30.4	80	-N	1	P	2011	.21					D
346 HUAN	23	2023	2035D		S16	E87	1.000	11970	30.4	120	--F	1	C	2034	.15					D 3
GRP45347 HUAN MCMA	23	2034	2042	2035	S11	W60	.882	11958	19.4	8	--F				.29					2 2 2 3
	23	2033	2035D		S12	W59	.875	11958	19.4	20	-F	1	P	2034	.31	.63				
	23	2034	2042	2035	S10	W60	.880	11958	19.4	8	-N		C	2035	.26	.50				E
349 HUAN	23	2147	2208	2154	S16	E87	1.000	11970	30.4	21	-N	1	C	2154	.26					D 4
	23	2400	0001	NO FLARE PATROL																
GRP45350 CATA ABST	24	0530	0550	0534	S10	W66	.924	11958	19.3	20	--F				.71					2 2 2 6
	24	0530	0550	0535	S08	W65	.915	11958	19.4	20	-N		C	0535	.52	1.23		(184)		
	24	0532E	0537D	0533	S11	W67	.931	11958	19.2	50	-F		P	0533	.90					D 71
355 PALE	24	2010	2020	2012	N07	E20	.342	11972	26.3	10	--F	3	C		.19					F 1
	24	2359	0010	NO FLARE PATROL																
	25	0155	0245	NO FLARE PATROL																
	25	0256	0320	NO FLARE PATROL																
356 PALE	25	0340E	0347D	0340U	S16	E67	.937	11970	30.2	70	-N	2	C		.81					F 1
	25	0359	0400	NO FLARE PATROL																
GRP45358 ATHN CATA	25	0603	0609	0605	S17	E68	.944	11970	30.4	6	--F				.24					2 2 2 5
	25	0600	0608	0604	S17	E69	.949	11970	30.4	8	-F	3	C		.33					DE
	25	0605	0610	0605	S17	E66	.933	11970	30.2	5	-N		C	0605	.14			(166)		
	26	0116	0205	NO FLARE PATROL																
	26	0222	0229	NO FLARE PATROL																
	26	0230	0308	NO FLARE PATROL																
	26	0319	0357	NO FLARE PATROL																
370 TEHR	26	0323E	0330	0325U	S10	W25	.488	11965	24.3	70	--N	3	V		.46					DE H 1
371 TEHR	26	0332	0344	0336	S10	W25	.488	11965	24.3	12	--N	3	V		.65					F 1
372 TEHR	26	0511	0519	0513	S14	E45	.751	11970	29.6	8	--N	3	V		.19					DE 2
GRP45375 KHAR CATA ARCE HTPR MONT ATHN TEHR CAPF	26	0915	0937	0919	S05	E31	.539	11968	26.7	22	--N				.78					8 8 8 10
	26	0910E	0946D		S07	E34	.589	11968	28.9	360	1F		P	0920	1.70	2.10	1.50			E
	26	0910	0935	0915	S06	E31	.544	11968	28.7	25	-N		C	0915	.52	.61		(184)		
	26	0914E	0941D		S04	E33	.563	11968	28.9	270	-N		C	0927	.39	.50				
	26	0914	0940	0920	S05	E30	.525	11968	28.6	26	-F		C	0920	.31	.30				
	26	0915	0932	0921	S05	E32	.553	11968	28.8	17	-N		C	0921	1.13					H
	26	0915	0935	0917	S04	E32	.549	11968	28.8	20	-N	2	C		.50					DE
	26	0917E	0930	0917U	S05	E28	.497	11968	28.5	130	-N	4	V		.84					F
	26	0921	0935D	0925	S04	E31	.535	11968	28.7	140	-N		P	0925	.86	1.00				F
GRP45376 MONT KHAR ATHN ATHN TEHR	26	1009	1025	1012	N08	E09	.162	11968	27.1	16	--F				.53					4 4 3 8
	26	1009	1033	1012	N08	E09	.162	11968	27.1	24	-N		C	1012	.72					
	26	1011E	1023D		N08	E09	.162	11968	27.1	120	-F		P				1.20			D
	26	1012E	1019	1012U	N07	E09	.158	11968	27.1	70	-F	3	V		.50					DE
	26	1012E	1019	1012U	N07	E09	.158	11968	27.1	70	-F	3	V		.50					DE
	26	1013E	1015D	1013U	N08	E07	.130	11968	27.0	20	-N	1	V		.37					F
GRP45377 HTPR ATHN ATHN	26	1029	1043	1032	S15	E45	.755	11970	29.8	14	--F				.27					2 2 2 6
	26	1029	1045	1032	S14	E45	.751	11970	29.8	16	-F		C	1032	.21	.30				D
	26	1029E	1040	1031	S15	E45	.755	11970	29.8	110	-N	3	V		.33					DE
	26	1029E	1040	1031	S15	E45	.755	11970	29.8	110	-N	3	V		.33					DE
GRP45380 RAMY RAMY MCMA CANR CATA CAPS	26	1426	1453	1429	S09	W36	.624	11965	23.9	27	-N				1.14					5 5 5 10
	26	1425	1503	1428	S10	W34	.604	11965	24.1	38	-F	3	C		1.58					DE
	26	1425	1503	1445	S10	W34	.604	11965	24.1	38	-F	3	C		.65					DE
	26	1427	1440		S08	W38	.645	11965	23.8	13	-N		P	1431	.93	1.20				E
	26	1427	1444	1428	S07	W38	.641	11965	23.8	17	-N	2	V	1428	.80					
	26	1430E	1505D	1430	S10	W35	.617	11965	24.0	350	1B		P	1430	2.08	2.61		(162)		
	26	1432E	1452D		S11	W35	.622	11965	24.0	200	-N	1	S	1435	.30	.40		(166)		
381 PALE	27	0134	0145	0137	S09	W59	.871	11971	22.6	11	--F	2	C		.36					F 2

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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.												
GRP45382	27	0522	0547	0527	S14	E39	.686	11970	30.1	25	-N							4 3 3 7
CULG	27	0519	0549	0524	S13	E41	.672	11970	30.3	30	1N		0524	1.50	2.10			
ATHN	27	0520	0545	0524	S13	E41	.703	11970	30.3	25	-N	2	C	.99				F
CRON	27	0522	0540		S14	E42	.719	11970	30.4	18	-N	3	V	.40				
CATA	27	0525	0555	0530	S15	E35	.646	11970	29.9	30	-N		C	1.44	2.3		(190)	
GRP45384	27	0633	0642	0634	S10	W64	.910	11971	22.5	9	-F			.92				2 2 2 6
ABST	27	0632E	0644	0633	S09	W65	.916	11971	22.4	120	1N		P	0633	1.62			E
HTPR	27	0633	0640	0634	S10	W63	.903	11971	22.5	7	-F		C	0634	.21	.40		D
GRP45385	27	0634	0700	0638	S05	E19	.369	11968	28.7	26	-N			1.72				7 7 7 9
HTPR	27	0631	0655	0636	S05	E18	.354	11968	28.6	24	-N		C	0636	.93	1.00		U
ABST	27	0633	0708	0636	S05	E19	.369	11968	28.7	35	1N		C	0636	3.60	3.90		EUZ
ATHN	27	0634E	0658	0634U	S05	E19	.369	11968	28.7	240	-N	2	C	1.32				U F
CATA	27	0635	0645D	0635	S06	E18	.363	11968	28.6	100	1B		P	0635	2.32	2.48		(219)
CRON	27	0635E	0652	0643	S06	E20	.390	11968	28.8	170	-N	3	V	0643	.80			
MONT	27	0642E	0701	0642	S05	E19	.369	11968	28.7	190	-N		C	0642	2.27			
CAPS	27	0646E	0706D		S04	E18	.347	11968	28.6	200	-B	1	S	0648	.80	.90		(216) U
GRP45398	27	1927	1947	1929	S16	E36	.663	11970	30.5	20	--F			.36				2 2 1 4
HUAN	27	1927	1943	1929U	S16	E37	.674	11970	30.6	16	-F	1	C	1929	.36	.48		
BOUL	27	1929E	1950	1929U	S15	E35	.646	11970	30.4	21D	-F	3	V					
GRP45399	27	2229	2245	2232	S06	E11	.273	11968	28.8	16	--F			.50				2 2 2 2
HUAN	27	2228	2230D		S06	E11	.273	11968	28.8	2D	-F	1	P	2230	.15	.16		D
VORO	27	2230	2245	2232	S06	E11	.273	11968	28.8	15	-N		C	2232	.84	.84		61 D
GRP45401	28	0121	0141	0128	S06	E09	.251	11968	28.7	20	-B			2.43				3 2 2 4
CULG	28	0121	0154	0124	S04	E08	.147	11968	28.7	33	1B			0124	2.10	2.10		
MITK	28	0121	0144	0124	S05	E09	.238	11968	28.7	23	1B			0124	4.23	4.50		
PALE	28	0130E	0137	0131U	S06	E08	.241	11968	28.7	7D	-N	2	C		.63			DE
7 STATIONS REPORTING GROUP 45402. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP45402	28	0615	0645	0620	S14	E24	.511	11970	30.1	30	--N			.94				5 5 5 5
CATA	28	0615	0650	0620	S13	E24	.502	11970	30.1	35	-B			0620	1.04	1.20		(234)
TEHR	28	0618E	0640	0621	S12	E25	.506	11970	30.1	22D	-N	4	V	1.00				Z F
ATHN	28	0619E	0628D	0619U	S15	E25	.532	11970	30.1	9D	-N	2	V	1.16				U F
HTPR	28	0621E	0645		S15	E25	.532	11970	30.1	24D	-N		C	0622	.41	.50		
BUCA	28	0622E	0638D		S13	E23	.491	11970	30.0	16D	-F		P	0622	1.10	1.30		B
45402	28	0630	0709	0637	S13	E25	.514	11970	30.1	39	*-B			.68				2 2 2 7
MITK	28	0630	0655D	0632	S12	E25	.506	11970	30.1	25D	-B			0632	.83	.90		D
MONT	28	0637E	0709	0642	S13	E25	.514	11970	30.2	32D	-N			0642	.52			
GRP45406	28	0850	0918	0855	N09	W30	.499	11972	26.1	28	--N			.29				7 7 5 11
MONT	28	0849	0914	0852	N09	W29	.484	11972	26.2	25	-F			0852	.21			
ARCE	28	0849E	0923D		N10	W30	.501	11972	26.1	34D	-N			0900	.42	.50		
CATA	28	0850	0925	0900	N11	W29	.488	11972	26.2	35	-N			0900	.34	.40		(190)
HTPR	28	0851	0920	0851	N10	W30	.501	11972	26.1	29	-N			0851	.10	.10		D
TEHR	28	0852	0909	0858	N09	W28	.469	11972	26.3	17	-F	3	V	.37				F
KHAR	28	0857E	0916D		N08	W32	.528	11972	26.0	19D	-F					1.50		D
CAPS	28	0858E	0919D		N09	W29	.484	11972	26.2	21D	-N	2	S					C
GRP45409	28	1232	1250	1240	S19	E49	.810	11974	1.2	18	--N			.21				3 3 3 8
HTPR	28	1232	1255	1241	S20	E50	.823	11974	1.3	23	-F			1241	.10	.20		D
MCHA	28	1232	1248	1239	S20	E50	.823	11974	1.3	16	-N			1239	.26	.50		D
TEHR	28	1239E	1247	1240U	S17	E48	.793	11974	1.1	8D	-N	3	V		.28			F
GRP45410	28	1320	1343	1327	S20	E49	.814	11974	1.2	23	-N			.86				10 9 9 11
BUCA	28	1319E	1338D		S19	E48	.801	11974	1.2	19D	-F			1328	1.10	2.00		
BOUL	28	1319	1336	1326	S25	E46	.810	11974	1.0	17	-F	2	C	1326	.86	1.47		
CATA	28	1320	1345	1325	S20	E48	.805	11974	1.2	25	-B			1325	.87	1.48		(269)
TEHR	28	1320	1340	1327	S18	E47	.788	11974	1.1	20	-B	3	V		.36			F H
KIEV	28	1320	1330	1324	S19	E50	.819	11974	1.3	10	-N			1324	1.03			70 D
HTPR	28	1321	1350	1325	S20	E50	.823	11974	1.3	29	-N			1325	.52	.90		H
HUAN	28	1321	1342U	1326U	S20	E50	.823	11974	1.3	21D	1F	1	C	1326	1.19	2.03		
MCHA	28	1321	1357	1327	S20	E50	.823	11974	1.3	36	-B			1327	.62	1.10		EL
CAPS	28	1323E	1350D		S18	E48	.797	11974	1.2	27D	-B	2	P	1325	1.20	2.00		(300) CH
ATHN	28	1334E	1338D	1334U	S22	E50	.830	11974	1.3	4D	-N	2	V		.66			DE
GRP45411	28	1352	1409	1354	S04	E02	.168	11968	28.7	17	--N			.82				7 7 6 10
CATA	28	1350	1400	1350	S04	E01	.165	11968	28.7	10	-B			1350	.80	.82		(224)
BOUL	28	1350	1408	1353	S05	E00	.182	11968	28.6	18	-F	2	C	1353	.75	.75		
HUAN	28	1352	1404	1354U	S05	E01	.182	11968	28.7	12	-F	1	C					
MCHA	28	1352	1409	1354	S05	E02	.185	11968	28.7	17	-N			1354	.62	.60		E
HTPR	28	1353	1410	1354	S05	E02	.185	11968	28.7	17	-N			1354	.41	.40		G
CAPS	28	1354E	1408D		S02	E04	.147	11968	28.9	14D	-N	2	V	1357	.70	.70		(190) C
BUCA	28	1354	1425D		S04	E01	.165	11968	28.7	31D	-N			1354	1.66	1.70		

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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.												
	1972 JUL																	
GRP45416	28	2046	2116	2048	S05	W02	.185	11968	28.7	30	--F						3 3 2 4	
BOUL	28	2045	2135	2047	S05	W02	.185	11968	28.7	50	-F	3	V				DE	
RAMY	28	2047	2108	2047	S05	W03	.189	11968	28.6	21	-F	2	C	.65			F	
PALE	28	2048E	2105	2050	S05	W02	.185	11968	28.7	17D	-N	3	C	.36				
GRP45417	28	2141	2202	2146	S14	E18	.445	11970	30.3	21	--N			.76			4 4 4 5	
BOUL	28	2139	2204	2148	S12	E22	.469	11970	30.6	25	-N	3	V	2148	1.00	1.20		
HUAN	28	2140	2152	2144	S13	E17	.423	11970	30.2	12	-N	2	C	2144	.67	.74	E	
PALE	28	2142E	2210	2147	S14	E17	.435	11970	30.2	28D	-B	3	C		.72		F	
RAMY	28	2142	2145D	2143	S16	E15	.440	11970	30.0	3D	-N	1	C		.65		DE	
GRP45427	29	0922	0928	0925	N09	W46	.716	11972	25.9	6	--F			.47			2 2 2 7	
MONT	29	0921	0927	0925	N08	W45	.704	11972	26.0	6	-N		C	0925	.72			
HTPR	29	0922	0928	0925	N09	W46	.716	11972	25.9	6	-F		C	0925	.21	.30	D	
GRP45430	29	0938	0958	0944	S19	E36	.684	11974	1.1	20	--N			.55			4 4 4 10	
HTPR	29	0935	1000	0948	S20	E35	.680	11974	1.0	25	-F		C	0948	.41	.60		
MONT	29	0935	0940	0938	S18	E39	.708	11974	1.3	5	-N		C	0938	.21		H	
ARCE	29	0937E	1000D		S18	E37	.688	11974	1.2	23D	-N		C	0941	.29	.40		
CATA	29	0945	1010	0945	S18	E34	.656	11974	1.0	25	-N		C	0945	1.27	1.69	(182)	
GRP45432	29	1252	1307	1255	N09	W46	.716	11972	26.1	15	-N			1.42			8 8 7 9	
BOUL	29	1251	1306	1253	N10	W45	.704	11972	26.2	15	1N	3	V	1253	2.40	3.40		
ATHN	29	1251	1306	1255	N10	W48	.740	11972	25.9	15	-N	3	C		1.65		F	
MCMA	29	1252	1309	1255	N08	W47	.728	11972	26.0	17	-N		C	1255	1.03	1.50	E	
HUAN	29	1252	1305	1254U	N09	W47	.728	11972	26.0	13	-N	1	C					
KIEV	29	1252	1300	1254	N10	W50	.763	11972	25.8	8	1N		C	1254	2.58		60	
HTPR	29	1253	1310	1254	N08	W47	.728	11972	26.0	17	-N		C	1254	.52	.80	EI	
CAPS	29	1254E	1315D		N09	W40	.640	11972	26.5	21D	-B	2	V	1256	1.20	1.60	(205)	
CATA	29	1300E	1305D	1300	N09	W47	.728	11972	26.0	5D	-N		P	1300	.58	.85	(182)	
GRP45434	29	1547	1600	1551	S20	E34	.670	11974	1.2	13	--F			.51			2 2 2 3	
MCMA	29	1546	1602	1551	S19	E33	.652	11974	1.1	16	-N		C	1551	.52	.70	E	
ATHN	29	1547	1558	1551	S20	E35	.680	11974	1.3	11	-F	1	C		.50		DE	
GRP45435	29	1812	1829	1814	N12	E80	.982	11976	4.8	17	--F			.30			3 2 1 4	
BOUL	29	1811	1833	1814	N12	E83	.990	11976	5.0	22	-F	3	V					
CANR	29	1812	1824	1814	N11	E77	.971	11976	4.5	12	-N	3	V		.30	1.00		
PALE	29	1815E	1844	1831U	N12	E79	.979	11976	4.7	20	-N	2	C		.36			
GRP45436	29	1839	1855	1845	S19	E34	.663	11974	1.3	16	--B			.56			4 4 4 4	
BOUL	29	1838	1855	1846	S20	E37	.700	11974	1.6	17	-B	3	V	1846	.80	1.00		
BOUL	29	1838	1855	1842	S20	E37	.700	11974	1.6	17	-B	3	V					
CANR	29	1839	1852	1845	S19	E34	.663	11974	1.3	13	-N	2	V		.50	.60		
MCMA	29	1840	1854	1845	S19	E33	.652	11974	1.3	14	-N		C	1845	.52	.70		
PALE	29	1840	1858	1845	S18	E31	.624	11974	1.1	18	-B	2	V		.41		EH	
PALE	29	1840	1858	1841	S18	E31	.624	11974	1.1	18	-N	2	V		.72		DE H	
437 PALE	30	0044	0103	0046	N09	W22	.376	11968	28.4	19	--N	3	C		.45		F	
GRP45439	30	0715	0723	0717	S20	E26	.591	11974	1.3	8	--F			.30			3 3 3 9	
TEHR	30	0714	0719	0716	S19	E27	.591	11974	1.3	5	-N	3	V		.19		DE	
HTPR	30	0716	0725	0717	S21	E27	.610	11974	1.3	9	-F		C	0717	.21	.30	D	
CRON	30	0718E	0725	0718U	S20	E25	.581	11974	1.2	7D	-F	3	V	0718	.50			
GRP45442	30	1134	1152	1140	S19	E23	.551	11974	1.2	18	--F			.44			2 2 2 6	
MCMA	30	1133	1150	1140	S19	E23	.551	11974	1.2	17	-N		C	1140	.31	.30	E	
RAMY	30	1134	1153	1139	S19	E23	.551	11974	1.2	19	-F	2	C		.56		DE	
GRP45445	30	1608	1635	1613	S15	W05	.362	11970	30.3	27	--F			.37			2 2 2 5	
MCMA	30	1608	1635	1613	S15	W04	.358	11970	30.4	27	-F		C	1613	.41	.40	E	
ATHN	30	1613E	1614D	1613U	S15	W05	.362	11970	30.3	10	-N	2	V		.33		DE	
449 PALE	30	2342	2358	2345	S03	E52	.795	11979	3.9	16	-B	3	C		.72		F	
450 PALE	31	0003E	0012	0005	S07	E50	.782	11979	3.8	9D	--N	3	V		.52			
451 PALE	31	0005	0012	0007	N11	E67	.916	11976	5.0	7	--N	3	V		.31		F	
GRP45458	31	1039	1049	1042	S17	E12	.432	11974	1.3	10	--N			.26			3 3 3 8	
MONT	31	1035	1040	1037	S20	E11	.468	11974	1.3	5	-N		C	1037	.21			
CANR	31	1036	1052	1041	S12	E13	.373	11974	1.4	16	-N	3	V	1041	.30	.30		
TEHR	31	1047	1056	1048	S19	E12	.460	11974	1.3	9	-N	4	V		.28		F	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1972																	
	JUL																	
GRP45459	31	1059	1159	1115	S14	W16	.427	11970	30.3	60	1B							8 7 7 11
ZURI	31	1059	1152	1115	S12	W16	.333	11970	30.3	53	1B		1115	2.63				
RAMY	31	1059	1130D	1117	S13	W20	.458	11970	30.0	31D	1B	2	C	3.70	4.10			F
ATHN	31	1100E	1140	1112	S18	W15	.468	11970	30.3	40D	1B	3	V	2.78				Z U
CANR	31	1100E	1115D	1115	S14	W15	.418	11970	30.3	15D	-N	2	V	2.15	2.00			
CAPS	31	1101E	1155D		S11	W15	.381	11970	30.3	54D	1B	2	P	2.00	2.70		(325)	C
MCMA	31	1105E	1200	1116	S15	W16	.439	11970	30.3	55D	-B		P	1115	1.03	1.10		E
KHAR	31	1108E	1220D		S13	W16	.415	11970	30.3	72D	1N		P	1116	3.40	3.70	1.80	
MONT	31	1109E	1130D	1116	S13	W15	.405	11970	30.3	21D	1N		C	1122	4.54			
45459	31	1100	1143	1104	S14	W17	.437	11970	30.2	43	*-B			1.41				4 4 4 10
RAMY	31	1059	1130D	1104	S13	W20	.458	11970	30.0	31D	-B	2	C	1.30				F
TEHR	31	1059E	1146	1104	S13	W16	.415	11970	30.3	47D	-N	4	V	.84				Z U
ATHN	31	1100E	1140	1102	S18	W15	.468	11970	30.3	40D	-B	3	V	1.65				Z U
GATA	31	1100	1110D	1105	S13	W17	.426	11970	30.2	10D	-B		P	1105	1.86	2.05		(229) Z

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
720701	91.48	22.5	720711	53.04	23.3	720722	25.34	23.6
720702	12.26	23.9	720712	8.25	23.4	720723	1.36	24.0
720703	10.19	21.6	720714	17.82	24.0	720724	0.00	23.8
720704	16.46	22.5	720715	27.29	22.4	720725	3.61	22.8
720705	7.33	23.7	720716	29.63	24.0	720726	7.08	21.8
720706	39.84	24.0	720717	18.57	24.0	720727	24.74	24.0
720707	69.07	23.8	720718	0.00	24.0	720728	35.07	24.0
720708	24.51	21.7	720719	4.17	23.5	720729	10.64	24.0
720709	93.85	23.1	720720	0.00	21.5	720730	2.74	24.0
720710	28.41	23.1	720721	21.96	22.6	720731	36.51	24.0

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

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS					
	DATE 1972 JUL	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. %						
060	ATHN	01	0817	0838	0819	N09	W62	.882	11933	26.7	21	-F	3	C		.33				DE	4		
061	CAPS	01	1111E	1122D		N08	W01	.091	11939	1.4	11D	-N	2	V	1115	.40	.40	(182)		C	6		
GRP45062	HTPR	01	1347	1416	1401	N16	E60	.870	11945	6.1	29	-F				.29				2	2	2	8
	RAMY	01	1347	1420	1400	N16	E56	.835	11945	5.8	33	-F		C	1400	.21	.40			E			
	RAMY	01	1359E	1411	1401	N15	E63	.893	11945	6.3	12D	-F	2	C		.37				DE			
GRP45063	RAMY	01	1426	1505	1428	N08	W71	.944	11933	26.3	39	-F				.21				2	2	1	8
	HTPR	01	1426	1433D	1428	N07	W73	.955	11933	26.1	7D	-N	2	C						DE			
	HTPR	01	1426	1505	1427	N08	W68	.926	11933	26.5	39	-F		C	1427	.21							
065	HTPR	01	1706	1717	1710	N05	E85	.996	11947	8.1	11	-F		C	1710	.21				A	5		
066	HTPR	01	1706	1722	1710	N15	E52	.795	11945	5.6	16	-F		C	1710	.10	.20			D	5		
071	ATHN	02	0651	0702D	0654	N07	W12	.218	11939	1.4	11D	-F	3	C		.50				F	7		
074	TEHR	02	1126	1144	1130	N05	W17	.294	11939	1.2	18	-F	3	V		.37				F	6		
075	HTPR	02	1147	1205	1152	N06	W17	.296	11939	1.2	18	-F		C	1152	.41	.40			E	8		
084	HTPR	03	0855	0915	0857	S01	W30	.504	11950	1.1	20	-F		C	0857	.21	.20			E	11		
GRP45085	CAPS	03	0923E	0937D	(0931)	S09	E88	1.000	11949	10.0	14	-N				.17				2	2	1	8
	ARCE	03	0923E	0937D		S11	E90	1.000	11949	10.1	14D	-N	2	V						C			
	ARCE	03	0925E	0935D		S07	E85	.997	11949	9.8	10D	-N		C	0931	.17				T			
086	ARCE	03	0931	0940D	0935	N11	W74	.960	11948	27.8	9D	-F		C	0935	.23					8		
087	ABST	03	1018	1036	1022	S01	W31	.519	11950	1.1	18	1F		C	1022	1.80	2.10			EJ	6		
088	RAMY	03	1028E	1043	1030U	N12	W72	.950	11948	28.0	15D	-F	2	V						DE	7		
089	HTPR	03	1059	1115	1105	N13	E30	.519	11945	5.7	16	-F		C	1105	.21	.30			D	5		
091	HTPR	03	1153	1225	1156	N07	W21	.363	11939	1.9	32	-F		C	1156	.31	.30				6		
092	ARCE	03	1300E	1340D		S10	E85	.997	11949	9.9	40D	-F		C	1310	.17				K	5		
093	ARCE	03	1315E	1340D		N08	W30	.504	11939	1.3	25D	-N		C	1320	.45	.50				5		
102	ARCE	04	0830E	0905D		S04	E48	.749	11951	8.0	35D	-N		C	0850	.23	.30				9		
103	ABST	04	0912	0924D	0915	S12	E77	.978	11949	10.2	12D	1F		P	0915	1.26				DJ	9		
104	ARCE	04	0925E	0940D		N13	E50	.770	11947	8.1	15D	-F		C	0930	.26	.40				9		
107	ARCE	04	1225E	1225D		S09	E67	.926	11949	9.5		-N		C	1225	.09					8		
109	HTPR	04	1357	1358	1357	N09	W50	.766	11939	30.8	1	-F		C	1357	.21	.30			D	8		
110	HUAN	04	1404	1415	1407	S11	E71	.951	11949	9.9	11	-F	1	C						T	7		
111	HUAN	04	1447	1453	1449	S11	E71	.951	11949	9.9	6	-F	2	C	1449	.21				D	9		
118	MANI	05	0223	0227	0225	S08	E60	.874	11949	9.6	4	-F	2		0225	.72	1.34				3		
120	ATHN	05	0459	0519	0503	S12	W31	.565	11940	2.9	20	-F	2	C		.17				DE	7		
122	MONT	05	0716	0719	0717	S03	E37	.609	11951	8.1	3	-F		C	0717	.21					9		
123	HTPR	05	0742	0752	0745	S07	W80	.986	11936	29.3	10	-F		C	0745	.21					9		
125	ATHN	05	1252E	1309	1254	N10	W57	.838	11939	1.3	17D	-F	3	V		.33				DE	11		
126	ATHN	05	1351E	1359	1353	N10	W57	.838	11939	1.3	8D	-F	3	V		.33				DE	12		
128	HUAN	05	1525	1533		S12	W36	.628	11940	2.9	8	-F	1	C	1527	.15	.20			D	10		
129	RAMY	05	1548	1607D	1550	S13	E16	.387	11951	6.9	19D	-F	3	C		.56				F	10		
130	HUAN	05	1727	1733	1730	S12	E56	.845	11949	9.9	6	-F	1	C	1730	.31	.55				7		
133	PALE	05	1832E	1839D	1833	N08	W61	.873	11939	1.2	7D	-F	2	V		.31					4		
134	MCMA	05	1846E	1853D		S04	E31	.527	11951	8.1	7D	-F		C	1848	.26	.30			E	6		
137	BOUL	06	0001	0012	0002	S08	W48	.757	11940	2.4	11	-F	2	V							6		

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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.													
141 ARCE	1972 JUL 06	0815E	0909D		N10	W67	.919	11939	1.3	54D	-N	C	0820	.26					7
142 ATHN	06	0852	0904	0855	N09	E24	.415	11947	8.2	12	-F	2 V		.33					DE 8
144 TEHR	06	1045E	1054	1045U	N10	E24	.418	11947	8.2	9D	-N	4 V		.09					DE 11
GRP45146	06	1113	1135	1118	N10	E26	.448	11947	8.4	22	-F			.42					2 2 2 11
RAMY	06	1112	1129D	1114	N11	E26	.452	11947	8.4	17D	-F	2 C		.56					DE
TEHR	06	1113	1135	1121	N09	E25	.430	11947	8.3	22	-N	4 V		.28					DE
147 CAPS	06	1121E	1135D		S09	W57	.849	11940	2.2	14D	-N	2 S	1131	.80	1.60		(170)		C 10
GRP45149	06	1152	1159	1154	S04	W58	.852	11940	2.1	7	-F			.21					2 2 2 9
MOMA	06	1151	1159	1153	S04	W58	.852	11940	2.1	8	-F	C	1153	.21	.40				D
HTPR	06	1152	1159	1154	S04	W58	.852	11940	2.1	7	-N	C	1154	.21	.40				D
GRP45150	06	1207	1244	1219	S15	W59	.877	11940	2.1	37	-N			.26					2 1 1 10
ARCE	06	1207E	1244D	1219	S15	W59	.877	11940	2.1	37D	-N	C	1219	.26	.50				
HTPR	06	1210	1223	1215	S04	W59	.861	11940	2.1	13	-F	C	1215	.31	.30				E
155 HUAN	06	1842	1847	1843	S11	E41	.685	11949	9.9	5	-F	2 C	1843	.31	.42				DT 4
160 BOUL	06	2308	2313	2309	S09	E39	.653	11949	9.9	5	-N	2 V							2
164 HTPR	07	0525E	0555		S08	E33	.572	11949	9.7	30D	-F	C	0531	.21	.20				7
GRP45165	07	0642	0651	0644	S10	E32	.568	11949	9.7	9	-F			.21					2 2 2 7
TEHR	07	0642E	0646	0644U	S09	E32	.563	11949	9.7	4D	-F	4 V		.09					DE
ATHN	07	0642	0656	0644	S10	E32	.568	11949	9.7	14	-F	2 C		.33					DE
GRP45168	07	0841	0855	0848	S13	W60	.881	11940	2.9	14	-F			.22					2 2 2 8
ARCE	07	0840	0850D	0850	S13	W59	.873	11940	2.9	10D	-N	C	0850	.23	.40				
HTPR	07	0841	0855	0846	S12	W60	.880	11940	2.9	14	-F	C	0846	.21	.40				
172 RAMY	07	1105E	1110	1106U	N11	E10	.215	11947	8.2	5D	-F	3 V		.28					DE 8
175 HTPR	07	1410	1510	1443	S10	E30	.542	11949	9.8	6D	-N	C	1424	.31	.40				E 10
181 HUAN	07	1830	1838		N10	E03	.124	11947	8.0	8	-F	1 C							4
184 CRON	08	0248E	0258		S10	E23	.448	11949	9.8	10D	-N	3 V		.40					4
189 ABST	08	0756E	0801D	0756	N12	W04	.161	11947	8.0	5D	-F	P	0756	.81	1.00				BD 10
192 CAPF	08	1229	1250D	1233	N10	W06	.152	11947	8.1	21D	1N	P	1233	3.90	4.00				F 9
193 HUAN	08	1247	1254	1249	S10	E18	.383	11949	9.9	7	-F	1 C							10
199 ABST	09	0710E	0738D	0710	S11	E06	.274	11949	9.7	28D	-N	P	0710	1.44	1.50			69	E 8
200 CAPS	09	0710	0723D		N08	W14	.252	11947	8.2	13D	-N	4 V	0711	.50	.60		(182)		CH 8
211 TEHR	11	0439	0446	0441	S05	W15	.300	11949	10.1	7	-N	4 V		.09					DE 3
214 ATHN	11	0958	1005	1000	S09	W22	.430	11949	9.8	7	-F	3 V		.66					DE 7
215 ABST	11	1200E	1233D	1206	N12	W48	.745	11947	7.9	33D	1F	P	1206	1.89	2.80			65	EJ 9
220 CAPS	12	0735	0738		N09	W60	.864	11947	7.8	3	-N	1 S							8
222 ABST	12	0942	1012D	1010	N14	W48	.747	11957	8.8	30D	-F	P	1010	.90	1.40				DZ 5
223 CAPS	12	1006E	1107		N08	W60	.864	11947	7.9	61D	-N	1 V	1006	.30			(162)		C 5
226 CATA	12	1150E	1225	1155	N13	W49	.757	11957	8.8	35D	-N	P	1155	.58	.88		(199)		4
GRP45228	13	0912E	0941	0920	S10	W52	.806	11949	9.5	29	-F			.50					2 2 1 11
KHAR	13	0912E	0950D		S09	W51	.793	11949	9.6	38D	1F	P	0915				1.80		D
ATHN	13	0918E	0931	0920	S10	W53	.816	11949	9.4	13D	-F	3 V		.50					DE
229 ARCE	13	0931E	0955D		S09	E65	.914	11958	18.3	24D	-F	C	0953	.17	.40				8
230 ATHN	13	1002	1017	1004	S09	W22	.431	11959	11.8	15	-F	2 C		.50					F 8
231 RAMY	13	1038	1044	1039	S12	E69	.942	11958	18.6	6	-N	3 V		.19					DE 10
232 ATHN	13	1146	1155	1149	N10	W65	.904	11957	8.6	9	-F	2 C		.33					DE 8
233 HUAN	13	1339	1352		S13	E65	.919	11958	18.4	13	-F	1 C	1345	.21					9

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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.													
	1972 JUL																		
234 RAMY	13	1455E	1511	1456U	N08	W74	.959	11947	8.1	16D	-F	3	V		.65			DE	8
235 HUAN	13	1545	1555	1548	S13	E64	.912	11958	18.5	10	-F	1	C	1548	.15			D	6
237 HUAN	13	1641	1656	1647	S13	E64	.912	11958	18.5	15	-F	1	C	1647	.31				6
238 PALE	13	1753E	1758D	1754	S11	E62	.895	11958	18.4	5D	-F	2	V		.52			F	4
240 ATHN	14	0515E	0528	0517	N09	W70	.937	11957	9.0	13D	-F	2	C		.33			DE	8
GRP45241	14	0549	0608	0551	S12	E52	.811	11958	18.1	19	-F				.27			2 2 2 7	
ATHN	14	0546	0608	0550	S11	E52	.808	11958	18.1	22	-N	2	C		.33			DE	
HTPR	14	0551	0607	0551	S13	E52	.813	11958	18.1	16	-F		C	0551	.21	.40			
GRP45242	14	0552	0616	0556	N10	W70	.937	11957	9.0	24	-F				.28			2 2 2 8	
CATA	14	0550	0610	0555	N10	W69	.931	11957	9.1	20	-N		C	0555	.23		(180)	T	
ATHN	14	0553	0622	0556	N09	W70	.937	11957	9.0	29	-F	2	C		.33			DE	
243 TEHR	14	0648E	0702	0653	N12	W71	.943	11957	9.0	14D	-N	4	V		.09			DE	7
245 TEHR	14	1017E	1029	1019U	S08	E71	.950	11958	19.8	12D	-N	3	V		.28			F	6
246 TEHR	14	1038	1044	1039	S12	E69	.942	11958	19.6	6	-N	3	V		.19			DE	7
247 TEHR	14	1226E	1234	1228	N12	W77	.972	11957	8.7	8D	-N	3	V		.19			DE	9
248 ARCE	14	1240E	1255D		S07	E67	.926	11958	19.6	15D	-N		C	1245	.39				9
250 HUAN	14	1422	1427	1424	S13	E51	.804	11958	18.4	5	-F	1	C	1424	.21	.34		D	6
251 HUAN	14	1531	1549	1537U	S13	E50	.794	11958	18.4	18	-N	1	C	1537	.31	.52			5
252 HUAN	14	1723E	1731		S13	E49	.784	11958	18.4	8D	-F	1	P					E	3
259 ABST	15	0519	0545	0521	N11	W89	1.000	11947	8.5	26	1N		C	0521	1.80		60	E	8
262 ABST	15	1018	1105	1024	S10	E38	.649	11958	18.3	47	1N		C	1024	2.70	3.60	58	E	5
263 HTPR	15	1058	1115	1059	N14	E39	.638	11956	18.4	17	-F		C	1059	.10	.10		D	7
GRP45268	15	1350	1405	1356	N12	W90	1.000	11957	8.8	15	-F				.51			2 2 2 7	
HTPR	15	1350	1357D	1351	N10	W90	1.000	11957	8.8	7D	-F		C	1351	.21			D	
CATA	15	1355E	1405D	1400	N13	W90	1.000	11957	8.8	10D	1F		P	1400	.80		(138)		
273 TEHR	16	0304E	0322	0304U	S08	E45	.726	11958	19.5	18D	-N	4	V		.37			F	4
277 UPIC	17	0618	0628		S23	W02	.463	11961	17.1	10	-F		C		1.26				9
283 RAMY	17	1424	1429	1426	N12	E16	.301	11956	18.8	5	-F	2	C		.28			DE	10
284 RAMY	17	1425	1435D	1430U	S10	E29	.535	11958	19.8	10D	-F	2	V		.48			DE	11
286 CATA	17	1605	1615	1605	S14	E11	.366	11958	18.5	10	-N		C	1605	.58	.62	(151)		6
290 ATHN	18	0750	0758	0753	S10	E15	.356	11958	19.5	8	-F	3	C		.33			DE H	9
291 ARCE	18	0934E	0947D		S08	E17	.360	11958	19.7	13D	-F		C	0943	.59	.60			11
GRP45292	18	1029E	1041	1032	S08	E12	.299	11958	19.3	12	-F				.61			2 2 2 12	
RAMY	18	1029E	1042	1031U	S08	E12	.299	11958	19.3	13D	-F	3	C		.31			DE	
ABST	18	1031E	1040	1033	S07	E12	.287	11958	19.3	9D	-F		P	1033	.90	.90		O	
293 RAMY	18	1140	1147	1142	S09	E09	.280	11958	19.2	7	-F	3	C		.28			DE	9
294 ATHN	18	1237	1247	1241	S08	E10	.277	11958	19.3	10	-N	3	C		.33			DE	7
295 ARCE	18	1339E	1400D		S21	E33	.659	11969	21.0	21D	-F		C	1350	.42	.60			11
297 BOUL	18	2125	2135	2128	N12	W02	.133	11956	18.7	10	-F	2	V						3
300 ATHN	19	0622	0632D	0624	N08	W72	.949	11953	13.9	10D	-F	3	C		.33			DE	7
301 TEHR	19	0702	0711	0706	N20	W68	.925	11953	14.2	9	-F	4	V		.19			DE	8
302 ARCE	19	0800E	0800D		S11	E03	.275	11958	19.6		-F		P	0800	.17	.20			11
305 ATHN	20	0739	0801	0741	N13	W20	.365	11956	18.8	22	-F	2	C		.17			DE	8
306 ONDR	20	1623E	1638		N13	W25	.438	11956	18.8	15D	-N		V	1628		2.00		C	6

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OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCNATH FLARE REGION	CMP DAY				TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.												
	1972																	
	JUL																	
308 KODA	21	0210	0235	0229	S10	W38	.652	11958	18.2	25	-B	C	0220	.85	.85	1.40	E 6	
309 TEHR	21	0251	0308	0255	S09	W20	.411	11958	19.6	17	-N	3 V		1.19			F 6	
310 TEHR	21	0356	0405	0358	N09	W40	.641	11956	18.2	9	-N	4 V		.46			U 5	
313 UPIC	21	0725	0741		S10	W45	.734	11958	17.9	16	-F	C	0725	1.05			8	
319 HUAN	21	1609	1616		N08	W49	.752	11956	18.0	7	-F	1 C					6	
GRP45324	22	0514	0524	0518	S10	W37	.640	11958	19.4	10	-F			.54			2 2 2 6	
CRON	22	0512E	0523		S10	W37	.640	11958	19.4	11D	-F	3 V		.70			F	
TEHR	22	0515	0524	0518	S10	W36	.627	11958	19.5	9	-N	3 V		.37				
325 ABST	22	0529E	0533D	0529	S09	W51	.796	11958	18.4	4D	1F	P	0529	1.80	3.00		74 BEJZ 6	
328 ABST	22	0834E	0852D	0840	S06	W54	.819	11958	18.3	18D	1F	P	0840	1.44	2.50		65 EZ 11	
330 HTPR	22	1125	1154	1127	S25	W78	.989	11961	16.6	29	-F	C	1127	.21			D 6	
337 ARCE	23	0925E	0950D		S14	E90	1.000	11970	30.1	25D	-N	C	0930	.17			H 10	
GRP45338	23	1019	1024	1019	S10	W53	.818	11958	19.5	5	-F			.25			2 2 2 8	
TEHR	23	1018E	1024	1019U	S10	W52	.808	11958	19.5	6D	-F	3 V		.28			F	
HTPR	23	1019	1023	1019	S10	W53	.818	11958	19.5	4	-F	C	1019	.21			D	
339 ARCE	23	1055E	1100D		S15	E90	1.000	11970	30.2	5D	-F	P	1100	.13			6	
340 HTPR	23	1333	1359	1337	S15	E85	.998	11970	29.9	26	-N	C	1337	.21			AE 8	
341 HTPR	23	1418	1433	1419	S15	E85	.998	11970	30.0	15	-F	C	1419	.21			E 9	
343 HUAN	23	1714	1723	1717	S16	E88	1.000	11970	30.3	9	-F	1 C	1717	.21			D 6	
344 HUAN	23	1743U	1752	1747	S16	E87	1.000	11970	30.3	9D	-N	1 C	1747	.21			D 6	
348 HUAN	23	2047E	2053		S16	E87	1.000	11970	30.4	6D	-F	1 P	2047	.21			D 3	
351 MONT	24	0839	0847	0842	S11	W80	.988	11958	18.4	8	-F	C	0842	.10			10	
352 ARCE	24	0910E	0925D		S09	W80	.988	11958	18.4	15D	-F	C	0916	.17			9	
353 HTPR	24	1121	1131	1124	N15	W75	.962	11956	18.8	10	-F	C	1124	.21			E 5	
354 ARCE	24	1315E	1345D		S16	E78	.985	11970	30.4	30D	-F	C	1320	.17			9	
357 TEHR	25	0530E	0540	0530U	S09	W34	.598	11971	22.7	10D	-F	2 V		.19			DE 6	
359 ATHN	25	0731	0737	0733	N07	E43	.679	11968	28.5	6	-F	3 C		.33			DE 7	
GRP45360	25	0805	0815	0811	S15	E82	.994	11970	31.5	10	-F			.10			2 1 1 9	
MONT	25	0805	0815	0811	S15	E82	.994	11970	31.5	10	-F	C	0811	.10				
ARCE	25	0805E	0831D		S15	E82	.994	11970	31.5	26D	-F	C	0825	.17				
361 ARCE	25	0810E	0825D		S15	E65	.924	11970	30.2	15D	-F	C	0820	.26	.60		9	
362 MONT	25	0922	0926	0922	S16	E61	.898	11970	30.0	4	-F	C	0922	.10			12	
363 MONT	25	0945	0952	0947	N07	E12	.209	11972	26.3	7	-F	C	0947	.52			H 8	
364 MONT	25	1051	1104	1100	S15	E80	.990	11970	31.5	13	-F	C	1100	.21			H 9	
365 MONT	25	1108	1128	1115	N07	E11	.192	11972	26.3	20	-F	C	1115	.10			H 9	
366 BUCA	25	1305E	1345D		N07	E10	.175	11972	26.3	40D	1F	P	1325	2.21	2.20		7	
367 HUAN	25	1416U	1427D		S14	E80	.989	11970	31.6	11D	-F	1 P	1418	.41			ET 7	
368 HUAN	25	1644	1648	1644	S14	E78	.984	11970	31.5	4	-F	1 C					6	
369 HUAN	25	1839	1847	1841	S04	E41	.669	11968	28.9	8	-F	2 C	1841	.15	.20		D 5	
373 CATA	26	0620	0625	0620	N08	E28	.468	11968	28.4	5	-F	C	0620	.34	.39	(145)	5	
374 MONT	26	0708	0721	0710	N08	E01	.050	11972	26.4	13	-F	C	0710	.52			H 8	
378 TEHR	26	1032E	1040	1032U	S05	E27	.483	11968	28.5	8D	-N	2		.28			DE 7	
379 RAMY	26	1410E	1418	1413U	N06	W06	.105	11972	26.1	8D	-F	3 V		.31			DE 9	

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SOLAR FLARES

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
383 ABST	1972 JUL 27	0617E	0637	0619	N09	W12	.215	11972	26.4	200	-F	P	0619	1.80	1.80			E	8
386 CAPS	27	0646E	0659D		S12	W60	.884	11971	22.8	130	-N	1 S	0649	.30		(171)			7
387 HTPR	27	0647	0700	0650	S20	E65	.932	11974	1.2	13	-F	C	0650	.10				D	7
388 MONT	27	0801	0823	0809	S13	E43	.725	11970	30.6	22	-N	C	0809	.52					8
GRP45389	27	0923E	0950	0931	S05	E17	.340	11968	28.7	27	-F			.61				2 2 2	10
MONT	27	0923E	0950	0931	S05	E18	.354	11968	28.7	27D	-N	C	0931	.72					
CAPS	27	0931E	0948D		S05	E15	.313	11968	28.5	17D	-F	2 V	0932	.50	.60	(157)		C	
390 CAPS	27	1006E	1026D		S17	E62	.908	11974	1.1	200	-N	2 V	1007	.30		(161)		C	8
391 CAPS	27	1006E	1030D		S13	E43	.725	11970	30.6	24D	-F	2 V	1007	.50	.70	(157)		C	8
392 ARCE	27	1158	1219	1158	N09	W16	.280	11972	26.3	21	-F	C	1158	.20	.20			HT	8
GRP45393	27	1241	1327	1254	S15	E35	.646	11970	30.2	46	-F			.76				2 2 2	7
ARCE	27	1233E	1354		S15	E36	.657	11970	30.2	81D	-N	C	1249	.78	1.00				
RAMY	27	1249	1259	1254	S14	E33	.616	11970	30.0	10	-F	1 C		.74				DE	
394 CANR	27	1320	1350	1325	S48	E47	.923	10000	31.1	30	-B	2 V	1325	.30	.50				7
395 CANR	27	1352	1411	1354	S04	E00	.163	11968	27.6	19	-N	3 V	1354	.50	.50				6
396 HUAN	27	1651U	1703		S20	E60	.900	11974	1.2	12D	-F	1 C							5
397 CANR	27	1733	1745	1736	S14	E17	.434	11970	29.0	12	-N	3 V	1736	.30	.30				5
400 CRON	27	2355E	0002		S20	E45	.777	11974	31.4	7D	-N	3 V		.30					4
403 MONT	28	0651	0659	0652	N07	W27	.452	11972	26.3	8	-N	C	0652	.72				H	6
404 TEHR	28	0806	0810	0807	S06	E48	.758	11974	31.9	4	-N	3 V		.09				DE	10
GRP45405	28	0809	0835	0815	N07	W29	.483	11972	26.2	26	-F			.36				2 1 1	10
ARCE	28	0809	0835D	0815	N07	W29	.483	11972	26.2	26D	-F	C	0815	.36	.40				
MONT	28	0821	0841	0831	N06	W31	.513	11972	26.0	20	-N	C	0831	1.13				H	
407 ARCE	28	0923E	0925D		N07	W10	.175	11968	27.6	2D	-F	P	0923	.17	.20				11
408 CAPS	28	1053E	1115D		S15	E21	.488	11970	30.0	22D	-N	2 V	1104	.50	.60			C	6
412 HTPR	28	1410	1430	1413	N09	W33	.543	11972	26.1	20	-F	C	1413	.21	.20			D	10
413 HUAN	28	1626	1632		S20	E48	.805	11974	1.3	6	-F	1 C							6
414 BOUL	28	1735	1755	1737	S12	E35	.628	11970	31.4	20	-F	3 V	1737	.30	.40				7
415 BOUL	28	2045	2103	2047	S12	E22	.469	11970	30.5	18	-F	3 V							5
418 HUAN	28	2142	2147	2144	S19	E46	.782	11974	1.4	5	-F	2 C	2144	.36	.58			E	6
419 VORO	28	2213E	2232	2213	S14	E15	.415	11970	30.1	19D	-N	C	2213	1.29	1.38		59	E	5
420 BOUL	28	2352	0002	2354	S17	E46	.774	11974	1.4	10	-F	3 V							5
421 PALE	29	0010E	0020D	0014	N07	W39	.626	11972	26.1	10D	-N	2 C		.55				F	4
422 PALE	29	0043E	0046D	0044D	S05	W04	.195	11968	28.7	3D	-N	2 V		.62				F	4
423 KODA	29	0245	0255	0245	N07	W41	.653	11972	26.0	10	-B	V	0245	1.26	1.30	1.32			4
424 TEHR	29	0549	0601	0553	N08	W43	.679	11972	26.0	12	-N	2 V		.45				F	8
GRP45425	29	0644	0656	0646	N11	W43	.680	11972	26.1	12	-F			.16				2 2 2	10
TEHR	29	0643	0651	0646	N11	W41	.655	11972	26.2	8	-F	3 V		.09				DE	
CATA	29	0645	0700D	0645	N11	W41	.693	11972	26.0	15D	-N	P	0645	.23	.32	(193)			
426 ARCE	29	0852E	0859D		N13	E86	.996	11976	4.8	7D	-F	P	0859	.09				T	9
428 ARCE	29	0937E	0950D		N13	E86	.996	11976	4.9	13D	-F	C	0941						9
GRP45429	29	0937E	1000D	(0950)	N10	W46	.728	11972	25.9	23	-N			.29				2 2 1	10
ARCE	29	0937E	1000D		N09	W46	.716	11972	26.0	23D	-B	C	0950	.29	.40				
KHAR	29	0942E	0952D		N10	W47	.728	11972	25.9	10D	-F	V		.29		1.50		D	
431 ATHN	29	1127	1143	1131	S06	W10	.263	11968	28.7	16	-F	3 C		.33				DE	6

SOLAR FLARES

Unconfirmed

JULY 1972

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.															
433 BOUL	29	1313	1320	1316	N12	E85	.994	11976	4.9	7	-N	3	V	1316	.65	1.80			8		
438 CRON	30	0255E	0258	0255U	N12	E80	.982	11976	5.1	30	-N	3	V	0255	.45				4		
GRP45440	30	0817E	0919D	(0830)	N14	E75	.962	11976	5.0	62	-N				.26			1	1	1	8
ARCE	30	0817E	0919D		N12	E74	.957	11976	4.9	62D	-N		C	0830	.26						
ARCE	30	0822E	0900D		N16	E76	.966	11976	5.0	380	-F		C	0835	.39						
441 CATA	30	1105E	1115D	1110	S15	W02	.354	11970	30.3	100	-N		P	1110	.29	.31	(162)			8	
GRP45443	30	1220E	1242	1222	N07	W24	.405	11968	28.7	22	-N				.46			2	1	1	8
RAMY	30	1220E	1242	1222	N07	W24	.405	11968	28.7	22D	-N	3	C		.46			F			
ATHN	30	1234E	1242	1234U	N08	W27	.453	11968	28.5	8D	-F	3	V		.33			DE			
444 ATHN	30	1604E	1608	1604U	N11	E70	.936	11976	4.9	4D	-N	2	V		.33			F		5	
446 RAMY	30	1825E	1835	1827U	S13	W09	.353	11970	30.1	100	-F	3	C		.56			DE		5	
447 PALE	30	1839	1844D	1840	S20	E20	.534	11974	1.3	50	-N	3	C		.19			F		5	
448 BOUL	30	1846	1853	1848	S20	E26	.591	11974	1.7	7	-F	3	V			.70				6	
452 PALE	31	0325E	0329D	0328	S04	E50	.776	11979	3.9	4D	-N	2	C		.27			F		5	
453 TEHR	31	0429	0442	0435	N13	E62	.879	11976	4.8	13	-N	3	V		.46			F		6	
GRP45454	31	0637E	0652	0641	N13	E66	.909	11976	5.2	15	-F				.26			2	2	2	6
TEHR	31	0637E	0650D	0642	N13	E65	.902	11976	5.2	13D	-F	3	V		.19			DE	H		
ATHN	31	0638E	0652	0640	N12	E66	.909	11976	5.2	14D	-N	3	V		.33			DE			
455 CATA	31	0700E	0710D	0700	N15	E63	.887	11976	5.0	100	-N		P	0700	.23	.51	(193)			8	
GRP45456	31	0841E	0918	0854	N12	E63	.887	11976	5.1	37	-N				.29			2	2	2	7
ARCE	31	0841E	0925D		N12	E67	.916	11976	5.4	44D	-N		C	0900	.20						
TEHR	31	0849E	0910	0854	N12	E58	.844	11976	4.7	21D	-N	4	V		.37			F			
457 ARCE	31	0938E	1000D		S13	W14	.396	11970	30.4	22D	-F		C	0947	.68	.70				8	
GRP45460	31	1159	1215D	1201	N15	E60	.862	11976	5.0	16	-N				.70			2	2	1	8
RAMY	31	1159	1213D	1201	N15	E60	.862	11976	5.0	14D	-N	2	C					F			
CAPS	31	1203E	1215D		N15	E59	.854	11976	4.9	12D	-N	2	V	1205	.70	1.50	(182)	C			
GRP45461	31	1324	1336	1326	N07	W77	.972	11972	25.8	12	-F				.51			2	2	2	8
RAMY	31	1324	1336	1326U	N07	W76	.968	11972	25.9	12	-F	3	V		.56			DE			
HUAN	31	1326E	1335		N06	W77	.972	11972	25.8	9D	-N	1	C	1327	.46						
462 PALE	31	2031E	2042D	2032U	N12	E51	.774	11976	4.7	11D	-F	3	V		.72			F		3	

"Remarks":

- | | |
|---|--|
| <p>A = Eruptive prominence, base at >90°.</p> <p>B = Probably the end of a more important flare.</p> <p>C = Invisible 10 minutes before.</p> <p>D = Brilliant point.</p> <p>E = Two or more brilliant points.</p> <p>F = Several eruptive centers.</p> <p>G = No spots visible in the neighborhood.</p> <p>H = Flare with high velocity dark surge.</p> <p>I = Very extensive active region.</p> <p>J = Plage with flare shows marked intensity variations.</p> <p>K = Several intensity maxima.</p> <p>L = Filaments show effects of sudden activation.</p> <p>M = White-light flare.</p> | <p>N = Continuous spectrum shows effects of polarization.</p> <p>O = Observations have been made in the calcium II lines H or K.</p> <p>P = Flare shows helium D₃ in emission.</p> <p>Q = Flare shows the Balmer continuum in emission.</p> <p>R = Marked asymmetry in Hα line.</p> <p>S = Brightening follows disappearance of filament (same position).</p> <p>T = Region active all day.</p> <p>U = Close and somewhat parallel bright filaments (or Y shape).</p> <p>V = Occurrence of an explosive phase.</p> <p>W = Great increase in area after time of maximum intensity.</p> <p>X = Unusually wide Hα emission.</p> <p>Y = Onset of a system of loop-type prominences.</p> <p>Z = Major sunspot umbra covered by flare.</p> |
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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.