

# SOLAR FLARES

## Confirmed

SEPTEMBER 1972

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS				
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %					
					LAT.	MER. DIST.																
7 STATIONS REPORTING GROUP 45981. 1 STATIONS OBSERVING AND NOT REPORTING.															5 5 5 7							
GRP45981	01	0349	0433	0424	N16	E38	.618	12011	4.0	44	-N			1.00								
MANI	01	0348E	0429	0422	N15	E40	.642	12011	4.2	41D	-N			.52	.66							
CRON	01	0349	0428D	0428	N15	E42	.668	12011	4.3	39D	-N	3	V	.80								
TEHR	01	0350E	0435	0418	N15	E40	.642	12011	4.2	45D	-N			.46								
SIBE	01	0408E	0838D		N17	E38	.620	12011	4.0	27D	1F		P	0428	2.56	3.50		52		C		
ATHN	01	0427E	0434	0427U	N16	E32	.537	12011	3.6	7D	-F	1	V	.66							DE	
45981	01	0348	0442	0357	N16	E41	.657	12011	4.2	54	*-N			1.50							4 4 4 7	
TACH	01	0347	0502	0401	N17	E42	.671	12011	4.3	75	1N		C	0401	2.19	2.94		64			E	
ABST	01	0348	0407D	0359	N16	E42	.669	12011	4.3	19D	1F		P	0359	2.34	3.10					E	
MANI	01	0348E	0429	0354	N15	E40	.642	12011	4.2	41D	-N	2		0354	.62	.81					F	
TEHR	01	0350E	0435	0353	N15	E40	.642	12011	4.2	45D	-N			.84								
GRP45982	01	0602	0610	0603	N12	W09	.175	12007	31.6	8	--N			.52							3 3 3 6	
TEHR	01	0602E	0613	0602U	N13	W08	.170	12007	31.7	11D	-N			.93							F	
ATHN	01	0603E	0607	0603U	N15	W10	.217	12007	31.5	4D	-N	3	V	.33							DE	
CATA	01	0605E	0610D	0605	N07	W09	.155	12007	31.6	5D	-N		P	0605	.29	.29		(200)				
GRP45985	01	0950	1010	0957	S09	W21	.446	12005	30.8	20	--N			.70							2 2 2 6	
MONT	01	0950	0959D	0957	S09	W21	.446	12005	30.8	9D	-N		C	0957	.72							
ATHN	01	0955E	1010	0956	S08	W21	.436	12005	30.8	15D	-N	1		0956	.68	.68						
GRP45989	01	1619	1630	1623	S10	E43	.721	12016	4.9	11	--N			.47							3 3 3 3	
HUAN	01	1611	1628	1623	S10	E43	.721	12016	4.9	17	-N	2	C	1623	.36	.52					EK	
MCMA	01	1622	1628	1623	S10	E44	.732	12016	5.0	6	-N		C	1623	.36	.50					DH	
CANR	01	1624	1634		S09	E43	.717	12016	4.9	10	-N	2	V	1625	.70	.90						
990 HUAN	01	1719	1725	1722U	S08	E42	.701	12016	4.9	6	--F	2	C	1722	.26	.36					E	
GRP45991	01	1727	1749	1729	N16	E12	.253	12011	2.6	22	--N			.36							3 2 2 3	
HUAN	01	1727	1748	1729	N17	E12	.264	12011	2.6	21	-N	2	C	1729	.36	.37					EK	
MCMA	01	1727	1750	1729	N15	E11	.230	12011	2.6	23	-N		C	1729	.36	.40					EH	
CANR	01	1744	1756		N18	E10	.251	12011	2.5	12	-N	2	V	1746	.60	.60						
992 HUAN	01	1754	1803		S09	E42	.706	12016	4.9	9	--F	1	C	1800	.31	.43					E	
GRP45993	01	1832	1837	1833	N16	E12	.253	12011	2.7	5	--F			.21							2 2 2 3	
PALE	01	1831	1837	1832	N16	E11	.240	12011	2.6	6	-F	4	V	.21							F	
HUAN	01	1832	1837	1833	N16	E13	.267	12011	2.7	5	-F	2	C	1833	.21	.21					D	
GRP45994	01	1930	1942	1934	N18	E16	.325	12011	3.0	12	--F			.26							2 2 2 2	
HUAN	01	1930	1942	1933	N19	E16	.334	12011	3.0	12	-F	2	C	1933	.21	.22					D	
PALE	01	1932E	1939D	1934	N17	E16	.316	12011	3.0	7D	-N	2	V	.31								
GRP45995	01	1949	2022	1957	N16	W08	.204	12007	1.2	33	--N			.72							3 2 2 3	
MCMA	01	1947E	2005D	1957	N16	W07	.194	12007	1.3	18D	-N		C	1957	.77	.80					EA	
HUAN	01	1950	2022	1956U	N17	W08	.217	12007	1.2	32	-N	2	C	1956	.67	.69					E	
PALE	01	2018E	2020		N16	W08	.204	12007	1.2	2D	-N											
996 HUAN	01	2049	2057		S08	E40	.678	12016	4.9	8	--F	1	C	2053	.21	.28					D	
	01	2103	2107	NO FLARE PATROL																		
	01	2115	2315	NO FLARE PATROL																		
997 MANI	01	2321E	2324	2321	S27	E22	.647	12014	3.6	3D	--N	1		2321	.31	.41						1
	01	2324	2335	NO FLARE PATROL																		
998 MANI	02	0010	0027	0017	S09	E38	.659	12016	4.9	17	--F	2		0017	.41	.55						2
GRP45999	02	0130	0153	0139	S09	E37	.646	12016	4.8	23	-F			1.39								4 4 4 4
SIBE	02	0110E	0214	0140	S08	E39	.666	12016	5.0	64D	1F		C	0140	2.45	3.10		50			CF	
MITK	02	0126E	0150D	0139	S09	E36	.634	12016	4.8	24D	-N		C	0139	1.03	1.30					D	
MANI	02	0133	0140	0135	S09	E37	.646	12016	4.8	7	-F	2		0135	.41	.55						
KODA	02	0138	0146	0140	S08	E36	.629	12016	4.8	8	-N		C	0142	1.66	1.60	2.52					E
GRP46000	02	0346	0406	0349	S08	E36	.629	12016	4.9	20	--F			.76								3 3 3 4
SIBE	02	0345E	0426		S08	E38	.654	12016	5.0	41D	-F			1.50	1.90							CF
CRON	02	0345E	0354		S09	E36	.634	12016	4.9	9D	-F	3	V	.40								
TEHR	02	0347	0357	0349	S07	E35	.611	12016	4.8	10	-N			.37								F
GRP46002	02	0540	0548	0543	S04	W44	.711	12005	29.9	8	--F			.19								2 2 1 4
ATHN	02	0540E	0547	0541	S04	W44	.711	12005	29.9	7D	-N											
TEHR	02	0544E	0549	0544U	S03	W43	.696	12005	30.0	5D	-F			.19								DE

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 1972 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.												
GRP46006	02	0735	0804	0755	S09	W34	.610	12005	30.8	29	-N							1 1 1 8
MONT	02	0735	0804	0746	S09	W33	.597	12005	30.8	29	-N	C	0746	1.13				
MONT	02	0753	0757	0755	S09	W36	.634	12005	30.6	4	-N	C	0755	1.13				H
10 STATIONS REPORTING GROUP 46008. 3 STATIONS OBSERVING AND NOT REPORTING.																		
GRP46008	02	0836	0948	0900	N15	E25	.434	12011	4.2	72	1N			2.24				6 5 5 12
MONT	02	0834	0917D	0904	N15	E26	.449	12011	4.3	43D	1B	C	0904	2.58				H
CAPS	02	0837	0940		N17	E25	.443	12011	4.2	63	-N	2 V	0854	1.80	1.90		(164)	
CATA	02	0847E	0910D	0855	N15	E24	.419	12011	4.2	23D	-B	P	0855	1.44	1.59		(229)	
ABST	02	0858E	0900D	0900	N15	E25	.434	12011	4.2	2D	1F	P	0900	1.98	2.20		78	
KHAR	02	0900E	0935D		N14	E25	.430	12011	4.3	35D	1F	P	0904	3.40	3.80	1.80		
CAPP	02	0910E	0948		N16	E24	.424	12011	4.2	38D	1N	P	0933	1.86	2.07			
46008	02	0837	0923	0846	N15	E24	.419	12011	4.2	46	*-N			.74				4 4 3 11
ATHN	02	0836	0930	0843	N14	E24	.415	12011	4.2	54	-N							
TEHR	02	0837	0910	0849	N16	E25	.438	12011	4.2	33	-N			.74				F
CRON	02	0840E	0930		N15	E24	.419	12011	4.2	50D	-N	3 V		.70				
ARCE	02	0841E	0920D		N16	E23	.409	12011	4.1	39D	-N	C	0841	.77	.90			H
GRP46009	02	1008	1025	1011	S22	E16	.547	12014	3.6	17	--N			.49				3 3 3 8
MONT	02	1006	1030	1012	S17	E17	.492	12014	3.7	24	-N	C	1012	.52				H
TEHR	02	1009	1020	1011	S23	E18	.573	12014	3.8	11	-N			.37				F
CATA	02	1010	1025D	1010	S27	E14	.599	12014	3.5	15D	-N	P	1010	.58	.72		(174)	
GRP46012	02	1339	1348	1342	N17	W18	.344	12007	1.2	9	--F			1.80				2 2 1 5
ABST	02	1333	1358	1336	N17	W17	.330	12007	1.3	25	-F	C	1336	.90	1.00		62	
RAMY	02	1338	1351	1343	N16	W17	.323	12007	1.3	13	-F							D
ABST	02	1339	1345	1340	N17	W19	.358	12007	1.1	6	-F	C	1340	1.80	1.90		74	
	02	1600	2305	NO FLARE PATROL														
GRP46013	02	1652	1718	1706	N12	W17	.300	12007	1.4	26	--N			.70				3 2 1 3
CANR	02	1650	1710		N07	W17	.290	12007	1.4	20	-N	2 V	1654	.70	.70			
RAMY	02	1654	1725	1658	N16	W17	.323	12007	1.4	31	-N							
PALE	02	1714E	1730	1714	N13	W19	.335	12007	1.3	16D	-F							
014 PALE	02	1841E	1842D	1842	N16	E17	.323	12011	4.1	1D	-N							1
015 BOUL	02	2307	2321	2309	S07	E20	.414	12016	4.5	14	--F	2 V						2
GRP46016	03	0128	0154	0133	S12	W47	.772	12005	30.5	26	1F							2 2 0 3
SIBE	03	0127	0204		S12	W48	.782	12005	30.5	37	2F	P					50	ET
PALE	03	0129	0144	0133	S12	W45	.751	12005	30.7	15	-F							
	03	0130	0131	NO FLARE PATROL														
GRP46018	03	0421	0429	0424	N15	E13	.258	12011	4.2	8	--F			.61				3 3 2 7
CRON	03	0420E	0429		N14	E13	.250	12011	4.2	9D	-F	3 V		.60				
PALE	03	0421	0427	0423	N16	E12	.253	12011	4.1	6	-F							
MANI	03	0423E	0432	0425	N15	E13	.258	12011	4.2	9D	-N	1	0425	.62	.65			
GRP46019	03	0855	1012	0904	S12	W52	.821	12005	30.5	77	-N			1.17				7 7 6 9
TEHR	03	0851	1005	0904	S12	W51	.811	12005	30.5	74	-B			1.30				DE
SIBE	03	0854	1012D		S12	W52	.821	12005	30.5	78D	1F	P	0900	1.71	2.70			ET
CRON	03	0855	0939D	0859	S12	W53	.830	12005	30.4	44D	-N	3 V		.40				
CANR	03	0859	1000	0904	S12	W53	.830	12005	30.4	61	-N	3 V	0910	1.20	2.00			
ONDR	03	0900E	0917D		S12	W51	.811	12005	30.5	17D	1N	V	0903			2.20		CD
ARCE	03	0902E	0906D		S12	W53	.830	12005	30.4	4D	-B	P	0906	.68	1.20			
CATA	03	0905E	1030	0910	S10	W52	.815	12005	30.5	85D	1N	P	0910	1.73	3.00		(158)	
46019	03	0912	0946 (0924)		S10	W54	.834	12005	30.3	34	*1N			2.13				2 2 2 6
KHAR	03	0912E	0948D		S08	W55	.838	12005	30.3	36D	2N	P	0924	3.20	5.50	2.60		
UPIC	03	0922E	0944		S11	W53	.827	12005	30.4	22D	-N	P		1.05				D
	03	1611	1618	NO FLARE PATROL														
	03	1652	1712	NO FLARE PATROL														
	03	1718	1725	NO FLARE PATROL														
	03	1748	1800	NO FLARE PATROL														
	03	1807	1837	NO FLARE PATROL														
	03	1844	1850	NO FLARE PATROL														



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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.													
	1972 SEP																		
	05	1945	1959		NO FLARE PATROL														
	05	2017	2022		NO FLARE PATROL														
GRP46053	05	2127	2133	2129	S07	W80	.988	12005	30.9	6	--F							4 4 1 4	
HUAN	05	2126	2132	2128U	S07	W82	.993	12005	30.7	6	-F	1	C						
MCNA	05	2127	2131D		S08	W82	.993	12005	30.7	4D	-N		P	2131				D	
RAMY	05	2128E	2134		S06	W80	.987	12005	30.9	6D	-F	2	V					DE	
PALE	05	2129E	2133	2130	S05	W77	.977	12005	31.1	4D	-N	3	V						
	05	2141	2153		NO FLARE PATROL														
	05	2158	2212		NO FLARE PATROL														
GRP46054	05	2208	2218	2211	N16	W25	.438	12011	4.0	10	--N							2 2 2 3	
PALE	05	2208	2218	2211	N16	W24	.424	12011	4.1	10	-N	3	V					H F	
HUAN	05	2212E	2213D		N15	W25	.434	12011	4.0	1D	-N	1	P	2212	.46	.51		E	
	05	2213	2252		NO FLARE PATROL														
055 PALE	05	2242E	2250	2242U	S05	W77	.977	12005	31.2	8D	--N	3	V		.31			1	
GRP46056	06	0040	0049	0041	S09	W17	.398	12016	4.8	9	--F							2 2 2 3	
PALE	06	0040	0048	0041	S08	W16	.376	12016	4.8	8	-F	3	C		.68			F	
CRON	06	0040	0049	0041	S09	W18	.410	12016	4.7	9	-F	3	V	0041	.66	.70			
GRP46059	06	0410	0440	0417	S07	W87	.999	12016	30.6	30	1B				4.07			8 6 4 8	
TACH	06	0350	0446	0410	S09	W90	1.000	12016	30.4	56	1B		C	0410	.64		4.55	116	
TEHR	06	0407	0435	0412	S08	W80	.988	12016	31.2	28	1B	4	V					DHY	
MANI	06	0407	0448	0412	S07	W88	1.000	12016	30.6	41	1B	2	V	0412	1.03	1.37		F	
CRON	06	0408	0425	0414	S08	W87	.999	12016	30.6	17	-N	3	V	0414	.70				
CULG	06	0410	0435	0415	S04	W90	1.000	12016	30.4	25	1N			0415	.80				
SIBE	06	0411	0444		S06	W88	1.000	12016	30.6	33	3N		P	0416	13.90	15.70		AT	
KODA	06	0417	0437	0422	S06	W90	1.000	12016	30.4	20	2B		C	0422			4.16	AR	
ABST	06	0432E	0442	0434	S07	W87	.999	12016	30.7	10D	1F		P	0434	.90			BDZ	
GRP46061	06	0535	0548	0537	S07	W86	.999	12005	30.8	13	1F				.31			3 3 2 7	
TEHR	06	0535E	0546	0537	S08	W81	.991	12005	31.2	11D	-F	3	V		.28			DE	
ATHN	06	0535	0548D	0537	S07	W88	1.000	12005	30.6	13D	-N	2	C		.33			DE	
SIBE	06	0535	0550D		S06	W90	1.000	12005	30.5	15D	2F		V					T	
GRP46065	06	0652	0725	0658	S15	W44	.754	12022	3.0	33	-N				1.41			7 5 5 7	
SIBE	06	0650	0732	0702	S15	W44	.754	12022	3.0	42	1F		C	0702	2.77	3.90	68	E	
CRON	06	0650E	0725		S19	W45	.783	12022	2.9	35D	-N	3	V		.60				
TEHR	06	0650	0718	0655	S05	W41	.678	12022	3.2	28	-N	3	V		.54			F	
ATHN	06	0651	0723	0657	S15	W43	.744	12022	3.1	32	-N	3	C		1.65			F	
MANI	06	0654	0725	0656	S14	W44	.750	12022	3.0	31	-N	2		0656	.93	1.43			
BUCA	06	0655	0717		S14	W45	.760	12022	2.9	22	-N		C	0701	1.10	1.30			
WEND	06	0706E	0728D		S15	W42	.734	12022	3.1	22D	1N		P		5.00				
GRP46066	06	0805	0846	0814	S09	W20	.434	12016	4.8	41	-F				2.51			2 2 2 6	
ARCE	06	0805E	0820D		S09	W20	.434	12016	4.8	15D	-F		C	0815	.84	.90		H	
SIBE	06	0810E	0846D	0814	S08	W19	.412	12016	4.9	36D	1F		P	0814	4.17	4.20	50	CT	
GRP46067	06	0819	0839	0822	N14	W30	.503	12011	4.1	20	--N				.62			4 4 4 6	
SIBE	06	0816E	0846D	0821	N13	W30	.501	12011	4.1	30D	-F		P	0821	1.50	1.80	52	CTU	
CANR	06	0819E	0840	0820	N15	W30	.506	12011	4.1	21D	-N	2	V	0820	.30	.38			
ARCE	06	0820E	0825D		N13	W31	.516	12011	4.0	5D	-N		C	0820	.38	.40			
TEHR	06	0822	0830	0824	N14	W27	.460	12011	4.3	8	-N				.28			F	
GRP46068	06	0910	0943	0922	S06	W85	.997	12005	31.0	33	--F				.32			4 3 2 8	
ARCE	06	0910E	0950D		S08	W88	1.000	12005	30.8	40D	-N		C	0930	.35			H	
ATHN	06	0911E	0942	0913	S05	W90	1.000	12005	30.6	31D	-F	3	V					DE	
TEHR	06	0930E	0940	0930U	S08	W82	.993	12005	31.2	10D	-F	3	V		.28			F	
KHAR	06	0930E	0939		S03	W85	.997	12005	31.0	9D	1F		V				2.40	DH	
6 STATIONS REPORTING GROUP 46070. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP46070	06	1300	1347	1314	S09	W25	.496	12016	4.7	47	-N				1.09			5 5 4 8	
RAMY	06	1251	1344	1313	S09	W24	.483	12016	4.7	53	-F	3	C		.56			DE	
CATA	06	1300	1315D	1305	S07	W25	.480	12016	4.7	15D	-N		P	1305	.58	.66	(170)		
ONDR	06	1309	1342	1317	S10	W25	.504	12016	4.7	33	1N		V	1317			2.30	EH	
MCMA	06	1310E	1341D	1318	S09	W24	.483	12016	4.7	31D	-N		C	1318	.52	.60		E	
ABST	06	1315E	1355	1319	S09	W25	.496	12016	4.7	40D	1F		P	1319	2.70	3.00		FZ	
46070	06	1251	1344	1255	S09	W24	.483	12016	4.7	53	*-F				.37			2 1 1 8	
RAMY	06	1251	1344	1255	S09	W24	.483	12016	4.7	53	-F	3	C		.37			DE	
HUAN	06	1332	1339D	1334U	S08	W23	.462	12016	4.8	7D	-F	1	C	1334	.21	.23		D	



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1972 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.												
GRP46111	09	0943	1005	0948	N17	E00	.169	12026	9.4	22	--F							4 4 4 7
ARCE	09	0941	0955D		N17	E01	.170	12026	9.5	140	-F	C	0947	1.24				
KHAR	09	0942E	1005D		N16	E01	.153	12026	9.5	230	1F	P	0951	2.84	2.90	1.80		E
CATA	09	0945	1005	0950	N17	W01	.170	12026	9.3	20	-N	C	0950	.87	.88		(170)	
ATHN	09	0946E	0956D	0946U	N17	E00	.169	12026	9.4	100	-N	2 C		.66				DE
GRP46125	10	0620	0630	0624	N15	W85	.993	12011	3.9	10	-F			.59				2 2 2 6
TEHR	10	0620	0628	0624	N14	W81	.983	12011	4.2	8	-N	3 V		.37				DE
ABST	10	0621E	0631	0623	N15	W89	.999	12011	3.6	100	1F	P	0623	.81			62	D
GRP46129	10	0929	1006	0938	N11	W57	.832	12023	6.1	37	-N			.91				6 6 6 7
CATA	10	0925	1020	0940	N12	W58	.841	12023	6.0	55	-N	C	0940	.87	1.60		(191)	
CANR	10	0930E	0955	0935	N12	W55	.813	12023	6.3	250	-N	2 V	0935	.60	1.02			DE
ATHN	10	0930E	1000	0933	N10	W60	.860	12023	5.9	300	-N	3 V		.83				
CAPS	10	0930	1018		N10	W56	.823	12023	6.2	48	-B	1 V	0935	1.20	1.90		(250)	
CRON	10	0936E	0953	0938	N12	W58	.841	12023	6.0	170	-N	3 V	0938	.65				F
TEHR	10	0938E	1009	0944	N09	W55	.813	12023	6.3	310	-N	3 V		1.30				
GRP46132	10	1237	1252	1238	N11	W62	.877	12023	5.9	15	--F			.47				4 4 3 8
RAMY	10	1236	1250	1237	N11	W61	.868	12023	5.9	14	-F	3 C		.28				DE
MOMA	10	1237	1245	1238	N11	W62	.877	12023	5.9	8	-N	C	1238	.31	.70			D
ATHN	10	1238E	1305	1240	N10	W61	.869	12023	6.0	270	-N	3 V		.83				DE
ONDR	10	1242E	1248D		N10	W63	.885	12023	5.8	60	1F	V	1243			2.10		CG
8 STATIONS REPORTING GROUP 46133. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP46133	10	1345	1426	1357	N20	E04	.231	12021	10.9	41	-N			1.15				6 6 4 8
MOMA	10	1344	1425D	1356	N20	E06	.242	12021	11.0	410	-N	C	1356	.62	.60			E
BOUL	10	1345	1520D	1358U	N21	E04	.247	12021	10.9	95D	-N	2 V					60	DI
KIEV	10	1345	1400	1356	N18	E07	.220	12021	11.1	15	1N	C	1356	2.06	2.08			F
RAMY	10	1346E	1448	1356	N21	E04	.247	12021	10.9	62D	-N	3 C		.93				F
ATHN	10	1350E	1428	1358	N18	W02	.190	12021	10.4	380	-N	3 V		.99				F
ONDR	10	1354E	1404D		N21	E07	.264	12021	11.1	100	1N	V	1355			2.40		C
46133	10	1338	1448	1344	N20	E06	.242	12021	11.0	70	*-N			.51				3 3 3 8
CANR	10	1330	1448	1338	N19	E06	.227	12021	11.0	78	-N	2 V		.30				
CATA	10	1345	1350D	1345	N20	E07	.249	12021	11.1	50	-N	P	1345	.58	.59		(170)	
RAMY	10	1346E	1448	1348	N21	E04	.247	12021	10.9	62D	-N	3 C		.65				F
10	2108	2133	NO FLARE PATROL															
GRP46136	11	1019	1107	1027	N19	W07	.235	12021	10.9	48	1N			3.13				8 7 7 8
MONT	11	1002	1112D	1029	N19	W06	.227	12021	11.0	70D	1B	C	1029	4.13				
ATHN	11	1005	1118	1019	N18	W07	.221	12021	10.9	73	1B	3 C		3.30				F H
ATHN	11	1005	1118	1008	N18	W07	.221	12021	10.9	73	-F	3 C		.99				F H
TEHR	11	1014	1110	1027	N19	W10	.263	12021	10.7	56	1N	2 V		3.71				F
TEHR	11	1014	1110	1033	N19	W10	.263	12021	10.7	56	-B	2 V		1.86				F
CANR	11	1016	1050	1020	N18	W06	.212	12021	11.0	34	-N	2 C	1020	1.72	1.73			
CATA	11	1020	1105D	1030	N19	W07	.235	12021	10.9	45D	1B	P	1030	2.60	2.68		(240)	
CAPS	11	1024	1215		N18	W08	.230	12021	10.8	111	1N	1 P	1025	4.50	4.50		(200)	
HERS	11	1029	1034	1029	N21	W07	.264	12021	10.9	5	1N	P	1030	1.93	2.10			E
RAMY	11	1034E	1143	1034U	N20	W07	.250	12021	10.9	69D	-N	3 C		1.95				F
GRP46141	12	1637	1647	1640	S10	W10	.341	12025	11.9	10	--N			.43				4 4 4 5
RAMY	12	1636	1649	1638	S08	W10	.313	12025	11.9	13	-N	3 C		.56				DE
PALE	12	1637E	1643D	1639U	S10	W10	.341	12025	11.9	60	-N	2 V		.46				
BOUL	12	1638	1646	1644	S11	W10	.355	12025	11.9	8	-N	2 C	1644	.43	.46			CD
HUAN	12	1641E	1647		S11	W10	.355	12025	11.9	60	-F	1 P	1642	.26	.27			
GRP46143	13	0252	0335	0301	N17	W28	.485	12021	11.0	43	1N			2.66				5 4 4 5
VORO	13	0248	0358	0303	N15	W27	.463	12021	11.1	70	2F	C	0303	4.71	5.24		77	EJ
CRON	13	0250	0327	0300	N18	W26	.462	12021	11.2	37	-N	3 V	0300	1.30				
TEHR	13	0252E	0331	0258	N16	W31	.523	12021	10.8	39D	-N	4 V		1.28				F
KODA	13	0259	0322	0301	N18	W28	.490	12021	11.0	23	1B	V	0302	3.35	3.40	1.76		BF
TACH	13	0318	0340		N18	W33	.558	12021	10.7	22	2N	C	0318	5.93	7.06		104	
GRP46146	13	1024	1036	1027	S13	E22	.497	12028	15.1	12	-N			1.39				2 2 2 7
MONT	13	1024	1036D	1029	S14	E21	.496	12028	15.0	12D	-N	C	1029	2.27				
ATHN	13	1025E	1035	1025U	S12	E22	.487	12028	15.1	10D	-N	1 C		.50				DE
13	2336	0002	NO FLARE PATROL															
14	0004	0013	NO FLARE PATROL															
14	0026	0032	NO FLARE PATROL															
14	0034	0050	NO FLARE PATROL															
14	0053	0116	NO FLARE PATROL															

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	DATE 1972	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 $\alpha$		MAX. INT. %			
148 PALE	14	0134	0136D	0135U	N07	E45	.703	12034	17.4	20	--F	2	C		.19					2	
149 MCMA	14	2131	2140D	2133	N05	E33	.543	12034	17.4	90	--F		C	2133	.26	.30				D 2	
150 BOUL	14	2200	2245	2213U	S15	W03	.381	12028	14.7	45	--F	2	V	2213	.25	.25				2	
	14	2356	0040	NO FLARE PATROL																	
GRP46152	15	0310	0324	0312	N11	E51	.771	12035	19.0	14	--F				1.14					3 3 3 4	
CRON	15	0308E	0321		N11	E51	.771	12035	19.0	130	-N	3	V		.60						
TEHR	15	0310E	0327	0310U	N12	E49	.749	12035	18.8	170	-F	3	V		.36					F	
SIBE	15	0311	0416D	0314	N11	E53	.792	12035	19.1	65D	1F		C	0314	2.45	4.30			64	CV	
GRP46157	15	1242	1249	1244	S10	E17	.409	12030	16.8	7	--F				.27					3 3 3 4	
ATHN	15	1241	1250	1244	S10	E18	.420	12030	16.9	9	-F	3	C		.33					DE	
RAMY	15	1241	1248	1243	S10	E17	.409	12030	16.8	7	-F	3	C		.19					DE	
CATA	15	1245	1250	1245	S10	E17	.409	12030	16.8	5	-N		C	1245	.29	.31			(166)		
GRP46159	16	0623	0718	0625	S11	E07	.333	12030	16.8	55	--F				1.44					2 1 1 6	
ABST	16	0623	0718	0625	S11	E07	.333	12030	16.8	55	-F		C	0625	1.44	1.60			82	D	
HONT	16	0652	0713	0704	S10	E08	.325	12030	16.9	21	-N		C	0704	.72						
GRP46162	16	1542	1551	1545	S16	E90	1.001	12040	23.4	9	-N				.21					2 2 1 5	
ATHN	16	1541	1550	1544	S16	E90	1.001	12040	23.4	9	-N	2	C							DE	
HUAN	16	1543	1551	1546	S16	E90	1.001	12040	23.4	8	-N	2	C	1546	.21					D	
163 HUAN	16	1625	1632	1627	S16	E90	1.001	12040	23.4	7	--F	2	C	1627	.21					3	
GRP46165	16	1855	1907	1858	S12	W25	.521	12028	14.9	12	--F				.43					2 2 2 4	
PALE	16	1853	1910	1856	S12	W25	.521	12028	14.9	17	-F	3	C		.45						
HUAN	16	1857	1903	1859	S12	W24	.509	12028	15.0	6	-F	1	C	1859	.41	.48					
GRP46166	16	1937	1953	1942	S12	W25	.521	12028	14.9	16	--N				.60					4 4 4 4	
PALE	16	1935	1956	1942U	S13	W25	.530	12028	14.9	21	-N	3	C		.63					F	
MCMA	16	1936E	1950D		S12	W25	.521	12028	14.9	140	-N		P	1938	.41	.50				E	
HUAN	16	1936	1952D	1942	S13	W24	.519	12028	15.0	160	-N	1	C	1942	.57	.66				E	
BOUL	16	1940	1952	1943	S10	W24	.492	12028	15.0	12	-F	1	V	1943	.80	1.10					
GRP46170	17	0926	0948	0935	S10	W34	.615	12028	14.8	22	-F				1.34					2 2 2 6	
CATA	17	0925	0945	0935	S10	W33	.603	12028	14.9	20	1N		C	0935	2.02	2.54			(186)	F	
ATHN	17	0927	0951	0934	S09	W35	.622	12028	14.8	24	-F	3	V		.66						
GRP46171	17	1345	1355	1347	S10	W08	.325	12030	17.0	10	--N				.45					5 5 5 6	
RAMY	17	1345	1357	1347	S09	W08	.310	12030	17.0	12	-N	3	C		.46					DE	
MCMA	17	1345	1354	1348	S10	W09	.332	12030	16.9	9	-N		C	1348	.41	.40				E	
CATA	17	1345	1355	1345	S09	W07	.303	12030	17.0	10	-N		C	1345	.58	.60			(155)		
HUAN	17	1346	1356	1349	S10	W08	.325	12030	17.0	10	-N	2	C	1349	.15	.16				D	
ATHN	17	1348E	1353	1348U	S10	W10	.340	12030	16.8	50	-N	2	V		.66					DE	
GRP46172	17	1737	1751	1741	S15	W40	.712	12028	14.7	14	--N				.61					4 4 4 5	
CANR	17	1736	1753	1744	S13	W39	.691	12028	14.8	17	-N	2	C	1744	.54	.74				UDE	
PALE	17	1737	1748	1740	S15	W40	.712	12028	14.7	11	-N	2	C		.72						
MCMA	17	1737	1755	1740	S15	W40	.712	12028	14.7	18	-N		C	1740	.62	.80				E	
HUAN	17	1738	1747	1741	S16	W40	.718	12028	14.7	9	-N	1	C	1741	.57	.79				E	
174 PALE	17	2222	2236	2228	S15	W42	.733	12028	14.8	14	--N	2	C		.36					F 2	
	17	2359	0001	NO FLARE PATROL																	
	18	0023	0028	NO FLARE PATROL																	
4 STATIONS REPORTING GROUP 46175. 0 STATIONS OBSERVING AND NOT REPORTING.																					
GRP46175	18	0053	0155	0056	S16	E64	.923	12040	22.8	62	-B				.45					2 2 2 2	
CRON	18	0053E	0155	0054	S17	E63	.919	12040	22.8	62D	-B	3	V	0054	.45						
PALE	18	0057E	0120D	0058	S15	E65	.928	12040	22.9	23D	-N	3	C		.45						
46175	18	0115	0205	(0115)	S15	E66	.934	12040	23.0	50	*-N				.72					2 1 1 4	
MITK	18	0115E	0205		S15	E66	.934	12040	23.0	50D	-N		C	0115	.72						
KODA	18	0138E	0151D		S16	E65	.930	12040	22.9	13D	-B		C	0138	1.80	1.80				EZ	
GRP46179	18	1130	1220	1138	S16	E59	.890	12040	22.9	50	1F				.87					4 4 3 5	
CATA	18	1110E	1205D	1140	S17	E57	.877	12040	22.7	55D	1F		P	1140	1.16	2.41			(145)		
CANR	18	1130	1220	1136	S15	E61	.902	12040	23.1	50	-N		V		.20	.40					
KHAR	18	1130E	1145D		S19	E59	.897	12040	22.9	15D	2F		V						2.10	H	
CAPP	18	1143E	1148D		S14	E59	.885	12040	22.9	5D	1N		P	1145	1.24						
180 CANR	18	1330	1448	1350	N19	E06	.228	12035	19.0	78	--F				1.80					4	

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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 Hr	MAX. INT. %	
					LAT.	MER. DIST.												
	1972																	
	SEP																	
GRP46181	18	1514	1530	1519	S08	W25	.487	12030	16.8	16	--F							3 3 3 5
BOUL	18	1512	1543	1517	S08	W27	.513	12030	16.6	31	-F	2	C	1517	.74	.75	.88	
BOUL	18	1513	1530D	1521	S07	W25	.480	12030	16.8	17D	-F	3	V					
HUAN	18	1514	1535	1521D	S08	W26	.500	12030	16.7	21	-F	1	C	1521	.46	.54		E
CAPS	18	1516	1526		S09	W22	.458	12030	17.0	10	-F	2	S	1522	1.00	1.10		
GRP46183	19	0206	0232	0215	S16	E53	.842	12040	23.1	26	-N				.95			5 5 5 5
PALE	19	0205	0227	0216	S15	E52	.830	12040	23.0	22	-N	3	C		.55			F
CRON	19	0205	0225	0215	S16	E52	.833	12040	23.0	20	-N	3	V	0215	.70			
SIBE	19	0207	0238D	0214	S17	E53	.845	12040	23.1	31D	-F		C	0214	1.18	2.00		54 CE
MITK	19	0208	0236	0215	S15	E53	.839	12040	23.1	28	1F		C	0215	1.13	2.10		E
KODA	19	0212E	0212D		S16	E53	.842	12040	23.1		-N		P	0212	1.21	1.20		
GRP46184	19	0914	1100	0958	S13	E48	.785	12040	23.0	106	1N				1.62			5 2 2 8
ATHN	19	0907	1100	0946	S13	E47	.775	12040	22.9	113	1N	3	C		1.41			F S
TEHR	19	0920	1005D	0937	S12	E48	.782	12040	23.0	45D	1N	4	V		1.83			U S
ARCE	19	0930E	0956D		S14	E47	.779	12040	22.9	26D	-F		C	0930	.35	.50		
CANR	19	1000E	1030	1005	S11	E47	.768	12040	22.9	30D	-N	2	V	1000	.60	.90		
MONT	19	1024E	1056	1024	S09	E48	.771	12040	23.0	32D	-N		C	1024	1.13			
186 HUAN	19	1926	2001	1929U	S03	E90	1.000	12044	26.6	35	--F	2	C	1929	.26			T 3
GRP46191	20	1353	1409	1355	N08	W42	.664	12034	17.4	16	--F				.38			5 5 5 10
ATHN	20	1350E	1405	1353	N08	W43	.677	12034	17.4	15D	-N	3	V		.33			DE
BOUL	20	1352	1415	1352	N09	W42	.664	12034	17.4	23	-F	2	V	1352	.55	.70		
HUAN	20	1353	1405	1355	N08	W42	.664	12034	17.4	12	-F	2	C	1355	.21	.27		D
CANR	20	1355	1410	1357	N08	W41	.651	12034	17.5	15	-N	2	V	1357	.60	.80		
RAMY	20	1357E	1409	1357U	N07	W42	.665	12034	17.4	12D	-F	3	C		.19			DE
GRP46193	20	1829	1837	1831	S12	E85	.998	12044	27.1	8	--F				.34			2 2 2 5
HUAN	20	1828	1837		S12	E88	1.000	12044	27.4	9	-N	1	C	1831	.31			E
PALE	20	1829	1836	1831	S11	E82	.994	12044	26.9	7	-F	2	C		.36			F
198 PALE	20	2345	2353	2348	S06	E75	.970	12044	26.6	8	--F	2	C		.45			3
GRP46201	21	0117	0128	0120	S07	E76	.975	12044	26.8	11	-F				.75			4 4 4 5
SIBE	21	0115	0130	0121	S07	E77	.978	12044	26.8	15	1F		C	0121	1.06	4.60		52 DT
VORO	21	0117	0129	0120	S04	E75	.969	12044	26.7	12	1N		C	0120	1.02	3.52		74 DJ
PALE	21	0118	0123	0120	S06	E75	.970	12044	26.7	5	-F	3	V		.31			
MITK	21	0119	0129	0120	S10	E76	.977	12044	26.8	10	-N		C	0120	.62			D
GRP46202	21	0232	0244	0236	S06	E76	.974	12044	26.8	12	1F				1.12			2 2 2 5
SIBE	21	0231	0243	0235	S07	E78	.982	12044	27.0	12	2F		P	0235	1.50	7.10		57 DT
VORO	21	0232	0245	0236	S04	E74	.964	12044	26.7	13	1N		C	0236	.74	2.57		72 DJ
GRP46203	21	0355	0606	0553	S06	E71	.951	12044	26.5	131	-N				.67			2 2 2 5
TEHR	21	0355E	0608	0555U	S05	E71	.950	12044	26.5	133D	-N	3	V		.83			DE
ATHN	21	0543	0603	0550	S06	E71	.951	12044	26.6	20	-N	2	C		.50			DE
GRP46206	21	0849	0902	0853	S06	E68	.934	12044	26.5	13	--F				.27			2 2 2 6
ATHN	21	0848	0857	0851	S07	E67	.929	12044	26.4	9	-F	2	C		.17			DE
TEHR	21	0850	0906	0854	S05	E69	.939	12044	26.5	16	-N	4	V		.37			F
GRP46208	21	0913	0941	0917	S07	E67	.929	12044	26.4	28	1N				1.17			7 6 6 8
KHAR	21	0855E	0935D	0915	S09	E66	.925	12044	26.3	40D	2F		P	0919	2.84		2.10	
ARCE	21	0911E	0911D		S06	E65	.915	12044	26.3		-F		P	0911	.22			
ATHN	21	0911E	0943D	0917	S08	E68	.936	12044	26.5	32D	-N	3	V		.83			DE
TEHR	21	0912	0922	0914	S05	E69	.939	12044	26.6	10	-N	4	V		.19			DE
CATA	21	0915	1140	0920	S07	E65	.916	12044	26.3	145	1B		C	0920	1.73	4.33	(234)	U
CANR	21	0917	0949D		S05	E70	.945	12044	26.6	2D	1N	2	V	0919	1.00	2.50		
CRON	21	0921E	0945	0921U	S06	E66	.921	12044	26.3	24D	-N	3	V	0921	.45			
TEHR	21	1032	1052	1036	S05	E68	.933	12044	26.5	20	-N	4	V		.55			F
GRP46210	21	1210	1244	1219	S07	E66	.923	12044	26.5	34	-N				.43			3 3 3 6
HUAN	21	1210U	1219D		S07	E66	.923	12044	26.5	9D	-F	1	P	1212	.26			ET
MOMA	21	1210E	1242D		S07	E66	.923	12044	26.5	32D	-N		C	1229	.52	1.40		E
RAMY	21	1217E	1244	1219U	S06	E67	.928	12044	26.5	27D	-N	1	V		.52			F
46210	21	1230	1313	1248	S05	E67	.927	12044	26.5	43	*-N				.74			3 3 3 5
ARCE	21	1229E	1320D		S06	E64	.908	12044	26.3	51D	-N		C	1250	.69	1.60		
CANR	21	1231	1245D	1245	S05	E70	.945	12044	26.8	14D	-N	2	V	1240	.80	1.90		
RAMY	21	1249	1306	1251D	S05	E67	.927	12044	26.6	17	-N	1	V		.72			F
GRP46212	21	1500	1515	1503	N08	W57	.834	12034	17.4	15	-N				.56			3 3 3 7
ATHN	21	1500E	1516	1503	N07	W56	.825	12034	17.4	16D	-N	3	V		.66			DE
RAMY	21	1500	1518	1502	N08	W58	.843	12034	17.3	18	-N	3	V		.37			DE
BOUL	21	1500	1510	1504	N09	W57	.833	12034	17.4	10	-N	2	C	1504	.65	1.16		

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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 FLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
					LAT.	MER. DIST.												
	1972																	
	SEP																	
GRP46214	21	2026	2038	2029	N09	W60	.861	12034	17.4	12	-N						3 3 3 4	
HUAN	21	2025	2040	2028	N08	W61	.870	12034	17.3	15	-N	1	C	2028	.51	.73		
BOUL	21	2026	2038	2031	N11	W61	.868	12034	17.3	12	-N	2	C	2031	.36	1.09		
PALE	21	2027	2035	2029	N07	W57	.834	12034	17.6	8	-N	3	V		.54		F	
															.62			
GRP46216	21	2241	2345	2250	S17	E14	.466	12040	23.0	64	-B				1.59		3 2 2 4	
CULG	21	0252E	2314D		S18	E12	.466	12040	22.0	22D	1N			2252	1.90	2.20		
BOUL	21	2241	0000D	2253	S18	E14	.479	12040	23.0	79D	1N	2	C	2253	1.94	2.17		
PALE	21	2247E	2329	2247U	S16	E14	.453	12040	23.0	42D	-B	2	V		1.24		SDE	
GRP46220	22	0619	0639	0623	N15	E70	.933	12045	27.5	20	-F				1.03		2 2 2 5	
ATHN	22	0619	0643	0623	N15	E74	.955	12045	27.8	24	1F	2	C		1.65		F	
CRON	22	0622E	0634	0622U	N14	E65	.900	12045	27.1	120	-N	3	V	0622	.40			
GRP46221	22	0800	0822	0802	S12	W25	.520	12039	20.5	22	-F				1.08		3 2 2 9	
CRON	22	0759E	0805		S12	W25	.520	12039	20.5	6D	-F	3	V		.60			
ATHN	22	0759	0816	0803	S12	W36	.650	12039	19.6	17	-N	3	C		.66		DE	
MONT	22	0800	0839	0802	S11	W25	.511	12039	20.5	39	-N			0802	1.55			
GRP46227	22	1022	1124	1056	S05	E56	.840	12044	26.6	62	1N				3.45		7 6 6 10	
CATA	22	1020	1215	1105	S07	E54	.826	12044	26.5	115	2B			1105	3.48	6.16	(234)	
MONT	22	1024	1129D	1054	S04	E54	.819	12044	26.5	65D	1B			1054	2.58			
RAMY	22	1044E	1122	1048	S04	E57	.848	12044	26.7	38D	1N	2	C		1.76		F	
WEND	22	1046E	1124		S03	E58	.855	12044	26.8	38D	2N				8.00		C	
CANR	22	1047E	1120	1100U	S05	E58	.858	12044	26.8	33D	1F	2	C	1100	2.47	4.83		
ATHN	22	1048E	1119D	1054	S08	E57	.855	12044	26.7	31D	1N	1		1054	2.38	3.42		
CANR	22	1058E	1058D		S05	E58	.858	12044	26.8		1N	2	V	1058	1.60			
MCMA	22	1205E	1328D		S05	E52	.802	12044	26.4	83D	1N			1209	1.29	2.20	BFK	
46227	22	1005	1028	1010	S05	E58	.858	12044	26.8	23	*-N				1.97		4 4 4 8	
ATHN	22	1004E	1027	1011	S06	E57	.851	12044	26.7	23D	-N	1		1011	1.02	1.46		
MONT	22	1004	1024	1009	S04	E58	.857	12044	26.8	20	-N			1009	1.86			
CAPS	22	1006	1133		S05	E55	.831	12044	26.5	87	-B	2	P	1008	1.00	1.70	(256)	
WEND	22	1014E	1034D		S03	E60	.872	12044	26.9	20D	1N				4.00		B	
GRP46229	22	1603	1635	1607	S04	E43	.699	12044	25.9	32	--F				.44		2 2 2 3	
MCMA	22	1600E	1650D	1607	S05	E43	.702	12044	25.9	50D	-F			1607	.72	1.00	E	
BOUL	22	1606	1620	1606	S05	E43	.683	12044	25.8	14	-F	3	V	1606	.15	.25		
GRP46230	22	1649	1711	1653	S05	E55	.831	12044	26.8	22	-N				1.46		4 4 4 4	
BOUL	22	1648	1715	1652	S06	E53	.814	12044	26.7	27	1N	2	C	1652	2.58	2.58		
RAMY	22	1648	1702D	1655	S04	E55	.829	12044	26.8	14D	-N	3	C		1.21		F	
MCMA	22	1649	1805	1655	S04	E54	.819	12044	26.8	76	-N			1655	.83	1.40	E	
CANR	22	1649	1706	1651	S04	E56	.838	12044	26.9	17	-N	1	V	1650	1.20	2.04		
GRP46232	22	1908	1920	1912	S06	E50	.783	12044	26.5	12	-F				.59		2 2 2 3	
MCMA	22	1908	1918	1909	S06	E48	.762	12044	26.4	10	-N			1909	.72	1.10	E	
PALE	22	1912E	1921	1914U	S05	E52	.802	12044	26.7	9D	-F	3	V		.46		F	
234 MCMA	22	2120	2130D		S06	E45	.728	12044	26.3	10D	--F			2125	.62	.90	EK 1	
235 PALE	22	2347E	2357	2348U	S05	E54	.821	12044	27.0	10D	--F	2	V		.36		F 3	
236 TEHR	23	0308E	0318	0311U	N08	E70	.936	12046	28.4	10D	--N	3	V		.09		DE 3	
237 CRON	23	0451E	0456		N08	E76	.967	12046	28.9	5D	--N	3	V		.35		2	
GRP46238	23	0643	0652	0644	N08	E73	.953	12046	28.8	9	--F				.29		3 3 3 6	
ATHN	23	0643	0652	0645	N08	E73	.953	12046	28.8	9	-F	2	C		.33		DE	
TEHR	23	0643E	0650	0643U	N08	E70	.936	12046	28.5	7D	-F	3	V		.19		DE R	
CRON	23	0644E	0655		N08	E75	.962	12046	28.9	11D	-F	3	V		.35			
GRP46243	23	0820	0841	0824	S06	E43	.705	12044	26.6	21	--N				.56		8 8 7 10	
CATA	23	0815E	0820D	0820	S06	E42	.693	12044	26.5	5D	-B			0820	.58	.80	(214)	
MONT	23	0815	0844	0827	S05	E45	.725	12044	26.7	28	-N			0827	.41			
ATHN	23	0822	0845	0825	S06	E43	.705	12044	26.6	23	-N	2	C		.50		F	
TEHR	23	0823	0838	0825	S07	E43	.709	12044	26.6	15	-N	4	V		.19		F	
ISTA	23	0823	0841		S06	E44	.717	12044	26.6	18	-F						E	
ARCE	23	0824E	0840D		S05	E43	.702	12044	26.6	16D	-N			0830	.54	.80		
CRON	23	0824E	0837		S05	E43	.702	12044	26.6	13D	-N	3	V		.45			
CAPF	23	0825E	0835D		S05	E42	.690	12044	26.5	10D	-N			0830	1.24	1.68		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1972 SEP	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.													
GRP46244	23	1008	1027	1012	S06	E42	.693	12044	26.6	19	-B							6 6 6 6	
MONT	23	0947	1026	1011	S06	E39	.657	12044	26.3	39	1B	C	1011	1.47					
CANR	23	1003E	1030	1013	S05	E45	.725	12044	26.8	270	-N			2.58					
TEHR	23	1008	1026	1012	S06	E40	.669	12044	26.4	18	-B	4	V	1.00				F	
CAPF	23	1010E	1020D		S05	E41	.678	12044	26.5	100	1N	P	1012	1.21					
CAPS	23	1010	1022		S05	E45	.725	12044	26.8	12	-B	3	V	2.06	2.80			(228)	
ATHN	23	1012E	1032	1013	S07	E40	.673	12044	26.4	200	-N	3	V	1.00	1.40			F	
														.99					
GRP46245	23	1123	1155	1128	S06	E32	.566	12044	25.9	32	--N			.87				5 4 4 6	
MONT	23	1101	1200	1131	S05	E31	.547	12044	25.8	59	-N	C	1131	1.86					
ATHN	23	1122	1144	1124	S08	E32	.577	12044	25.9	22	-N	3	V	.66				DE	
RAMY	23	1122	1151	1128	S05	E30	.534	12044	25.7	29	-F	2	C	.56				DE	
CAPS	23	1126	1200		S06	E35	.606	12044	26.1	34	-N	3	V	.40	.50			(196)	
HUAN	23	1158E	1158D		S05	E31	.547	12044	25.8		-F	1	P					C	
																		E	
GRP46249	23	1349	1401	1354	S11	W31	.584	12039	21.3	12	--F	3	V	.91				2 2 2 5	
CAPS	23	1349	1400		S11	W30	.572	12039	21.3	11	-F	3	V	1.30	1.50			(160)	
HUAN	23	1349	1401	1354	S11	W32	.596	12039	21.2	12	-F	1	C	.52	.64			E	
GRP46250	23	1527	1544	1530	S06	E39	.657	12044	26.6	17	--N			.66				3 3 3 4	
CAPS	23	1527	1548		S05	E42	.690	12044	26.8	21	-N	3	V	.60	1.00			(196)	
RAMY	23	1528E	1540	1530U	S05	E36	.614	12044	26.3	120	-F	3	V	.72				C	
ATHN	23	1529E	1543		S09	E39	.670	12044	26.6	140	-N	1	V	.66				DE	
																		F	
GRP46251	23	1618	1634	1622	S05	E28	.506	12044	25.8	16	--F			.44				2 2 2 3	
RAMY	23	1617	1634	1622	S05	E28	.506	12044	25.8	17	-F	3	C	.46				DE	
HUAN	23	1619	1631D		S05	E28	.506	12044	25.8	120	-N	1	P	.41	.48			E	
GRP46253	23	1747	1800	1751	S06	E38	.644	12044	26.6	13	--F			.43				2 2 2 3	
RAMY	23	1747	1759	1750	S06	E35	.606	12044	26.4	12	-F	3	V	.41				DE	
PALE	23	1749E	1801	1751U	S05	E40	.665	12044	26.7	120	-N	2	C	.45				F	
254 BOUL	23	2243	2257	2246	S14	W13	.417	12040	23.0	14	--F	2	V	.50	.51			3	
255 BOUL	23	2255	2308	2258	S14	W36	.662	12039	21.3	13	--F	2	V	.40	.48			3	
GRP46258	23	2342	2351	2344	S16	W13	.444	12040	23.0	9	--F			.35				2 2 2 5	
CRON	23	2341	2347	2342	S17	W12	.451	12040	23.1	6	-F	3	V	.40					
BOUL	23	2342	2355	2345	S14	W13	.417	12040	23.0	13	-F	3	V	.30	.36				
GRP46259	24	0028	0120	0037	S19	W15	.499	12040	22.9	52	-B			1.58				2 2 2 2	
CRON	24	0028	0110	0037U	S18	W15	.486	12040	22.9	42	-N	3	V	1.40					
CRON	24	0028	0110	0030	S18	W14	.478	12040	23.0	42	-N	3	V	.80					
VORO	24	0106E	0129		S19	W15	.499	12040	22.9	230	-B		C	0106	1.75	1.97	1.06	69	EJ
260 CRON	24	0406E	0412	0406U	N14	E87	.997	12051	30.7	60	-N	3	V	0406	.35				2
GRP46266	24	1023	1041	1029	S09	E19	.419	12044	25.9	18	--N			.51				3 3 3 3	
TEHR	24	1023	1038	1025	S14	E21	.494	12044	26.0	15	-N	4	V	.64				F	
ATHN	24	1026E	1040	1028	S06	E18	.377	12044	25.8	140	-N	1	C	.52	.50				
RAMY	24	1033E	1044	1035U	S06	E17	.364	12044	25.7	110	-F	1	C	.37				DE	
GRP46267	24	1041	1051	1043	S11	E29	.559	12044	26.6	10	--F			.21				2 2 2 3	
TEHR	24	1041	1050	1042	S14	E29	.582	12044	26.6	9	-F	4	V	.08				F	
ATHN	24	1041	1052	1044	S07	E29	.532	12044	26.6	11	-N	1		.34	.33				
GRP46268	24	1104	1111	1106	S14	W21	.494	12040	22.9	7	--N			.36				2 2 2 6	
RAMY	24	1104	1111	1106	S13	W20	.472	12040	23.0	7	-N	2	C	.38				DE	
ATHN	24	1105E	1110	1106	S14	W22	.504	12040	22.8	50	-N	1		.34	.35				
GRP46269	24	1237	1305	1252	S06	E33	.579	12044	27.0	28	-B			.79				3 3 3 3	
HUAN	24	1235	1249	1246U	S06	E33	.579	12044	27.0	14	-N	2	C	.46	.57			E	
RAMY	24	1239	1302	1253	S07	E33	.585	12044	27.0	23	-B	3	C	.65				DE	
RAMY	24	1239	1302	1244	S07	E33	.585	12044	27.0	23	-N	3	C	.46				DE	
ATHN	24	1250E	1312	1250	S06	E33	.579	12044	27.0	220	-N	1		.85	.88				
HUAN	24	1252	1300	1253	S06	E33	.579	12044	27.0	8	-B	2	C	.88	1.07			E	
HUAN	24	1309	1315	1310	S06	E34	.592	12044	27.1	6	-F	2	C	.15	.19			D	
270 HUAN	24	1405	1416	1408U	S11	E90	1.000	12049	1.3	11	--F	2	C	1408	.31				3
GRP46271	24	1545	1553	1546	S04	E33	.570	12044	27.1	8	--N			.31				2 2 2 3	
BOUL	24	1544	1555	1545	S03	E33	.565	12044	27.1	11	-N	2	V	.35	.55				
HUAN	24	1545	1551	1546	S04	E32	.556	12044	27.1	6	-N	2	C	.26	.31			DH	
GRP46272	24	1631	1643	1635	S04	E31	.542	12044	27.0	12	--N			.32				2 2 2 3	
BOUL	24	1630	1643	1634	S03	E31	.538	12044	27.0	13	-N	2	C	.32	.38				
HUAN	24	1632	1643	1635	S05	E31	.547	12044	27.0	11	-N	1	C	.31	.37			E	
273 HUAN	24	1806	1812	1807	N10	E51	.771	12046	28.6	6	--F	1	C	1807	.31	.46			E 3

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS				
	DATE 1972 SEP	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 $\alpha$	MAX. INT. %					
274 PALE	24	1913	1919	1915	S15	W23	.525	12040	23.1	6	--N	2	C		.45				F	1		
275 PALE	24	1929	1942D	1936U	S05	E20	.395	12044	26.3	13D	--F	2	C		.36				F	1		
	24	2120	2203	NO FLARE PATROL																		
	25	0131	0142	NO FLARE PATROL																		
	25	0209	0301	NO FLARE PATROL																		
276 MANI	25	0314	0321	0317	S07	E25	.478	12044	27.0	7	--N	2		0317	.52	.59				1		
	25	0321	0329	NO FLARE PATROL																		
	25	0333	0400	NO FLARE PATROL																		
	25	0424	0439	NO FLARE PATROL																		
GRP46277	25	0604	0640	0614	S17	W26	.576	12040	23.3	36	-F				1.38				4	4	4	6
CATA	25	0600E	0650	0620	S18	W19	.518	12040	23.8	50D	-N		P	0620	1.16	1.35		(170)				
ABST	25	0608	0630	0613	S16	W28	.588	12040	23.2	22	1F		C	0613	2.25	2.80			E			
CRON	25	0610E	0638	0610U	S15	W28	.579	12040	23.2	28D	-F	3	V	0610	1.10							
TEHR	25	0611E	0640	0611U	S17	W28	.596	12040	23.2	29D	-N	2	V		1.00				F			
GRP46280	25	1043	1104	1047	S10	E79	.986	12049	1.4	21	--F				.35				2	2	2	4
ATHN	25	1043	1109	1046	S11	E79	.987	12049	1.4	26	-F	3	C		.33				DE			
TEHR	25	1047E	1058	1047U	S08	E78	.982	12049	1.3	11D	-N				.37				F			
GRP46281	25	1240	1251	1241	S05	E11	.280	12044	26.4	11	--B				.84				4	4	4	6
RAMY	25	1238	1255	1242	S05	E11	.280	12044	26.4	17	-N	3	V		1.03				DE			
RAMY	25	1238	1253	1242	S05	E11	.280	12044	26.4	15	-N	3	C		.93				DE			
CAPS	25	1240	1251		S05	E11	.280	12044	26.4	11	-B	1	V	1243	.70	.70		(220)				
ARCE	25	1240E	1250D		S04	E10	.256	12044	26.3	10D	-N		C	1245	.75	.80						
CATA	25	1240	1250	1240	S05	E10	.269	12044	26.3	10	-B		C	1240	.87	.90		(204)				
GRP46283	25	1343	1400	1351	S09	E79	.986	12049	1.5	17	--F				.24				2	2	2	6
HUAN	25	1343	1359	1351U	S08	E80	.988	12049	1.6	16	-F	2	C	1351	.15				D			
ATHN	25	1348E	1401	1351	S10	E78	.983	12049	1.4	13D	-F	3	V		.33				DE			
284 RAMY	25	1635	1653	1637	S06	E10	.282	12044	26.4	18	--N	3	C		.46				DE			
285 RAMY	25	1658E	1703	1700	S10	W72	.960	12039	20.3	5D	-N	3	V		.50				DE			
286 RAMY	25	1702	1716	1709	S05	E09	.258	12044	26.4	14	--F	3	C		.65				DE			
	25	1742	1806	NO FLARE PATROL																		
GRP46287	25	1807	1818	1808	S06	E07	.254	12044	26.3	11	--N				.29				2	2	2	2
PALE	25	1807E	1820	1808	S07	E03	.247	12044	26.0	13D	-N	2	V		.26				F			
HUAN	25	1810E	1815		S05	E11	.280	12044	26.6	5D	-N	1	P	1811	.31	.32			E			
	25	1837	1847	NO FLARE PATROL																		
288 RAMY	25	1942	1948	1945	S06	E07	.254	12044	26.3	6	--F	4	V		.66				DE			
289 PALE	25	2147E	2159D	2148	S05	E09	.258	12044	26.6	12D	--B	2	C		.55				F			
GRP46290	25	2228	2302	2250	S05	W02	.210	12044	25.8	34	--F				.54				2	2	2	2
PALE	25	2228E	2249D	2249U	S05	W02	.210	12044	25.8	21D	-F	2	C		.46				F			
PALE	25	2242	2244D	2244U	S05	E01	.208	12044	26.0	2D	-F	2	V		.41				F			
MANI	25	2246E	2302	2251	S05	W03	.214	12044	25.7	16D	-F	1		2251	.62	.64						
GRP46292	25	2320	2333	2324	S08	E08	.292	12044	26.6	13	--N				.73				2	2	2	3
PALE	25	2320E	2325D	2322	S08	E08	.292	12044	26.6	5D	-N	2	V		.62				F			
MANI	25	2322E	2333	2325	S07	E07	.269	12044	26.5	11D	-N	1		2325	.83	.86						
GRP46293	26	0021	0040	0023	N16	W41	.658	12050	22.9	19	--F				.56				2	2	2	3
MANI	26	0020	0040	0023	N15	W42	.668	12050	22.9	20	-F	2		0023	.41	.56						
CRON	26	0021	0039		N17	W40	.647	12050	23.0	18	-N	3	V		.70							
GRP46294	26	0148	0245	0157	S06	E07	.254	12044	26.6	57	1B				2.35				4	3	3	4
CULG	26	0144	0247	0224	S05	E05	.224	12044	26.4	57	2N			0224	9.00							
MITK	26	0147	0256	0158	S05	E07	.239	12044	26.6	69	1B		C	0158	2.48	2.60			FHK			
MANI	26	0148	0232	0156	S06	E07	.254	12044	26.6	44	1B	2		0156	2.06	2.14						
CRON	26	0156E	0246	0224	S06	E06	.246	12044	26.5	50D	1N	2	V		2.50							
CRON	26	0156E	0246		S06	E06	.246	12044	26.5	50D	-N	2	V		1.50							
295 CULG	26	0453	0517	0511	S13	E66	.931	12049	1.2	24	1N			0511	.70							



# SOLAR FLARES Confirmed SEPTEMBER 1972

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS			
	DATE 1972	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %				
					LAT.	MER. DIST.																
328 PALE	28	2144	2147	2145	S08	W40	.676	12044	25.9	3	--F	2	C		.36					F	2	
	28	2400	0003	NO FLARE PATROL																		
GRP46329	29	0102	0115	0104	S04	W36	.609	12044	26.3	13	--F				.31						2 2 2 2	
PALE	29	0101	0110	0105	S05	W37	.626	12044	26.3	9	-F	2	C		.19							
MANI	29	0102E	0119	0104	S03	W36	.605	12044	26.3	17D	-F	1		0104	.41	.51						
PALE	29	0102E	0110	0104	S03	W35	.592	12044	26.4	8D	-N	2	V		.21							
332 CATA	29	1035	1130D	1105	S09	E18	.405	12049	30.8	55D	--F		C	1105	.46	.50			(145)		4	
GRP46333	29	1230	1238	1232	S06	W51	.793	12044	25.7	8	--F				.74						2 2 2 4	
ABST	29	1229	1240	1233	S06	W52	.803	12044	25.6	11	-F		C	1233	.90	1.50					D	
CATA	29	1230	1235	1230	S05	W50	.780	12044	25.8	5	-N		C	1230	.58	.92			(200)			
GRP46334	29	1405	1416	1409	S05	W51	.791	12044	25.8	11	-N				.79						2 2 2 5	
CATA	29	1405	1415	1410	S04	W51	.788	12044	25.8	10	-N		C	1410	.75	1.22			(155)			
ATHN	29	1405E	1416	1407	S06	W50	.783	12044	25.8	11D	-N	2	V		.83						DE	
335 BOUL	29	1745	1815	1745	S03	W38	.632	12044	26.9	30	--F	2	V	1745	.18	.20					2	
336 PALE	29	2137E	2154	2138	N12	E39	.626	12056	2.8	17D	--F	2	C		.19						2	
337 BOUL	29	2200	2223		N12	E41	.653	12056	3.0	23	--F	2	V	2200	.30	.39					2	
338 BOUL	29	2200	2223		N12	E41	.653	12056	3.0	23	--F	2	V	2214	.30	.39					2	
339 MITK	30	0009	0030D	0014	N10	E38	.612	12056	2.9	21D	--F		C	0014	1.34	1.70					E	2
340 MITK	30	0150	0156	0151	N11	E36	.585	12056	2.8	6	-N		C	0151	.93	1.20					E	3
GRP46341	30	0535	0551	0540	S05	W48	.759	12044	26.6	16	--N				.53						3 3 3 6	
MANI	30	0532	0553	0538	S06	W48	.761	12044	26.6	21	-N	1		0538	.41	.64						
ATHN	30	0537	0552	0540	S06	W51	.793	12044	26.4	15	-N	2	C		.99						F	
TEHR	30	0542E	0548	0542U	S03	W44	.707	12044	26.9	6D	-N	4	V		.19						DE	
GRP46343	30	0747	0821	0748	S05	W56	.840	12044	26.1	34	-N				1.31						7 6 6 8	
MONT	30	0740	0801D	0748	S04	W55	.829	12044	26.2	21D	-N		C	0748	.52							
ATHN	30	0743	0818	0747	S04	W57	.847	12044	26.0	35	-N	2	C		.50						F	
BUCA	30	0744	0840		S04	W55	.829	12044	26.2	56	-N		C	0748	.36	.60						
CAPS	30	0745	0810		S04	W58	.856	12044	26.0	25	-B	3	V	0750	.90	1.00			(270)		C	
TEHR	30	0745E	0805	0745U	S03	W44	.707	12044	27.0	20D	-N	4	V		1.02						F	
HEND	30	0754E	0817		S05	W52	.801	12044	26.4	23D	1N		P		4.00							
KODA	30	0757	0758D		S09	W58	.865	12044	26.0	10	-N		S	0757	1.99	2.00	1.72				E	
347 PALE	30	2043	2113	2045	N12	E30	.501	12056	3.1	30	--N	2	C		.17						H	2
348 PALE	30	2206	2210D	2207	N12	E29	.486	12056	3.1	4D	--N	2	C		.17							2

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
720901	5.57	21.8	720910	13.19	23.6	720922	87.66	23.7
720902	64.51	16.9	720911	51.71	24.0	720923	11.40	23.9
720903	19.51	19.7	720913	47.54	23.6	720924	17.12	23.3
720904	9.43	22.7	720914	0.00	22.4	720925	11.50	21.5
720905	58.56	22.0	720916	0.23	24.0	720926	214.21	24.0
720906	138.72	23.2	720917	9.48	24.0	720927	14.37	23.9
720907	9.75	24.0	720918	5.06	23.9	720928	0.00	24.0
720908	4.45	24.0	720919	18.61	24.0	720929	3.29	24.0
720909	1.32	24.0	720921	36.53	24.0	720930	13.62	24.0

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

SOLAR FLARES  
Unconfirmed  
SEPTEMBER 1972

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 Hg		MAX. INT. %
					LAT.	MER. DIST.												
978 MANI	01	0007E	0015	0008	S27	E37	.761	12014	3.8	80	-F	2	0008	.41	.64			4
979 TEHR	01	0257E	0302	0258U	N16	E16	.308	12011	2.3	50	-N			.09				DE 8
980 PALE	01	0307	03180	0309	N10	E22	.373	12011	2.8	110	-N							8
GRP45983	01	0658	0718	0701	S09	W85	.998	12015	25.9	20	-F			.68				2 2 2 7
TEHR	01	0658	0717	0701	S11	W81	.992	12015	26.2	19	-N			.46				F
ABST	01	0659E	0719	0701	S06	W89	1.000	12015	25.6	200	1F	P	0701	.90				E
984 ATHN	01	0702E	0706	0703	N14	W74	.955	12008	26.7	40	-F	3	V		.33			DE 7
GRP45986	01	1019	1037	1029	S10	W21	.455	12005	30.9	18	-B			.70				2 2 2 8
MONT	01	1019	1039	1027	S10	W21	.455	12005	30.9	20	-N	C	1027	.52				H
CATA	01	1030E	1035	1030	S09	W21	.446	12005	30.9	50	-B	P	1030	.87	.97		(209)	
987 ATHN	01	1343E	1352	1344	N17	E13	.276	12011	2.5	90	-F	1		1344	.34	.33		5
988 HUAN	01	1549	1559	1553	S08	E43	.713	12016	4.9	10	-F	2	C	1553	.36	.50		E 4
001 ATHN	02	0535E	0541	0536	S08	E32	.578	12016	4.6	60	-F							5
003 ATHN	02	0550E	0600	0553	N15	E13	.258	12011	3.2	100	-N							4
004 MONT	02	0714	0729	0725	S09	W33	.597	12005	30.8	15	-N	C	0725	.52				8
005 ABST	02	0746E	07500	0748	S09	E34	.610	12016	4.9	40	-F	P	0748	1.26	1.60		69	E 6
007 MONT	02	0817	0829	0823	S09	W35	.622	12005	30.7	12	-N	C	0823	.41				8
GRP46010	02	1016	1040	1027	S08	W34	.604	12005	30.9	24	-N			.41				2 2 2 9
MONT	02	1016	1030	1023	S06	W28	.514	12005	31.3	14	-N	C	1023	.72				
MONT	02	1029	1044	1032	S09	W36	.634	12005	30.7	15	-N	C	1032	.41				
TEHR	02	1030E	1035	1030U	S07	W33	.586	12005	31.0	50	-N			.09				DE
MONT	02	1044	1121	1050	S12	W37	.663	12005	30.7	37	-N	C	1050	.41				
011 MONT	02	1114	11240	1121	S09	W37	.646	12005	30.7	100	-N	C	1121	.41				7
017 PALE	03	0256	0310	0259	S15	E85	.999	12025	9.5	14	-F							7
022 KODA	04	0246	0400	0254	S09	W59	.875	12005	30.7	74	2M	V	0246	5.49	5.50	1.92		2
023 PALE	04	0306E	0313D	0307	N17	E05	.189	12011	4.5	70	-F							4
024 TEHR	04	0455	0500	0457	S07	W59	.871	12005	30.8	5	-F							5
025 MONT	04	0925	0933	0928	S08	W62	.896	12005	30.7	8	-F	C	0928	.21				11
026 MONT	04	0939	0959	0944	S08	W62	.896	12005	30.8	20	-N	C	0944	.21				10
027 ATHN	04	1008	1032	1017	S07	W62	.895	12005	30.8	24	-F							9
028 MONT	04	1046E	1053D	1051	S08	W62	.896	12005	30.8	70	-N	C	1051	.41				9
GRP46029	04	1103	1130	1114	S08	W63	.904	12005	30.7	27	-N			.41				2 1 1 7
MONT	04	1103E	1130D	1114	S08	W63	.904	12005	30.7	270	-N	C	1114	.41				
RAMY	04	1128	1145	1130	S06	W62	.893	12005	30.8	17	-F							
030 RAMY	04	1242	13000	1245	S06	W62	.893	12005	30.9	180	-F							6
031 RAMY	04	1330	1343	1332	S06	W63	.901	12005	30.8	13	-F							5
037 PALE	04	2328E	2336D	2329	S05	W65	.914	12005	31.1	80	-F							3
038 MANI	05	0106E	0114	0108	S08	W79	.985	12005	30.1	80	-F	1		0108	.52	1.30		3
040 ATHN	05	0631	0638	0633	S10	W80	.989	12005	30.3	7	-F	2	C		.33			DE 7
042 MONT	05	0808	0910	0814	N13	W18	.319	12011	4.0	62	-N	C	0814	.72				7
043 MONT	05	0814	0816	0814	S16	W30	.612	12022	3.1	2	-N	C	0814	.41				7
GRP46045	05	0947	1006	0954	S06	W71	.951	12005	31.1	19	-N			.41				2 2 1 8
WEND	05	0944	0958		S04	W70	.944	12005	31.2	14	-N							
MONT	05	0949	1013	0954	S08	W71	.953	12005	31.1	24	-N	C	0954	.41				
046 ATHN	05	1118E	1135	1121U	S01	W90	1.000	12005	29.7	170	-F	2	V					DE 5
047 RAMY	05	1349	1406	1351	N15	W20	.360	12011	4.1	17	-F	3	C		.56			DE 8



# SOLAR FLARES Unconfirmed

SEPTEMBER 1972

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.													
114 MONT	09	1047	1053	1050	N18	W01	.187	12026	9.4	6	-N	C	1050	.21				7	
115 MONT	09	1056	1110D	1100	N19	E21	.399	12021	11.0	14D	-N	C	1100	.21				8	
116 MONT	09	1059	1108	1102	N15	W79	.977	12011	3.5	9	-N	C	1102	.41				8	
GRP46117	09	1125	1205	1135	N17	W81	.983	12011	3.4	40	-N			.50				2 2 1 5	
CAPS	09	1122	1220		N15	W90	.999	12011	2.7	58	1N	3 V						C	
CANR	09	1127	1150	1135	N18	W72	.944	12011	4.1	23	-N	2 V		.50	1.30				
118 MCMA	09	1720E	1732		N10	W49	.749	12023	6.0	12D	-N	C	1725	.31	.50			E	5
119 CROM	09	2358E	0004	2359	N12	W53	.792	12023	6.0	6D	-N	3 V	2359	.25					3
120 CROM	10	0034	0041	0035	N12	W53	.792	12023	6.0	7	-F	3 V	0035	.20					4
121 CROM	10	0123	0147	0126	S13	E67	.937	12028	15.1	24	-N	3 V	0126	.45					3
122 CROM	10	0150E	0157	0152	N12	W53	.792	12023	6.1	7D	-F	3 V	0152	.45					4
GRP46123	10	0345	0357	0350	N10	W53	.793	12023	6.2	12	-F			.70				2 2 2 5	
TEHR	10	0345	0357	0350	N09	W52	.782	12023	6.3	12	-N	3 V		.74				F	
CROM	10	0349E	0357	0350	N11	W54	.803	12023	6.1	8D	-F	3 V	0350	.65					
124 ATHN	10	0553	0616	0556	S27	W80	.995	12014	4.2	23	-F	2 C		.33				DE	6
126 CAPS	10	0642	0747		S26	E90	1.002	12031	17.0	65	1N	3 V							6
127 ATHN	10	0718	0732	0721	N10	W59	.851	12023	5.9	14	-F	3 C		.33				DE	6
128 ATHN	10	0800E	0804	0800U	S25	E90	1.001	12031	17.1	4D	-N	3 V						DE	9
130 TEHR	10	1033	1038	1035	N09	W55	.813	12023	6.3	5	-F	3 V		.37				DE	7
131 ATHN	10	1058E	1108	1100	N13	W90	1.000	12011	3.7	10D	-N	3 V						DE	9
134 ABST	11	0500E	0505D	0500	S11	E86	.999	12030	17.7	5D	1F	P	0500	.90				BD	6
135 ATHN	11	0901	0909	0904	N10	W70	.934	12023	6.1	8	-F	3 C		.33				DE	8
137 MONT	11	1028	1036D	1029	N12	W71	.940	12023	6.1	8D	-N	C	1029	.21					8
138 ABST	12	0448E	0453D	0450	S05	W86	.998	12024	5.8	5D	1F	P	0450	.90				D	5
139 RANY	12	1204	1220	1206	N22	W23	.448	12021	10.8	16	-F	3 C		.46				DE H	6
140 RANY	12	1432	1506		S05	W90	1.000	12024	5.9	34	-F	3 C						DE	7
142 VORO	13	0227	0240	0229	N21	W35	.595	12021	10.5	13	-B	C	0229	1.38	1.67		66	DJ	6
144 MONT	13	0915E	0927	0919	S11	E25	.513	12028	15.3	12D	-N	C	0919	1.13					7
145 MONT	13	0923	0927	0924	S11	W19	.443	12025	12.0	4	-N	C	0924	.41					7
147 ATHN	13	1636	1649	1638	S08	W10	.312	12025	12.9	13	-N	0 C		.56				DE	4
151 KODA	15	0242	0259D	0245	S16	E90	1.001	12040	21.9	17D	1B	C	0245			4.08		R	5
153 SIBE	15	0314E	0411D	0321	S10	E25	.504	12030	17.0	57D	-F	C	0321	1.07	1.20		54	D	5
154 SIBE	15	0314E	0416D	0322	S12	W02	.331	12028	15.0	62D	1F	C	0322	2.25	2.20		53	D	6
155 SIBE	15	0314E	0416D	0331	N06	E40	.639	12034	18.1	62D	1F	C	0331	2.35	3.10		52	E	6
156 TEHR	15	0850	0922	0857	N18	W59	.851	12021	10.9	32	-F	3 V		.37				F	5
158 MANI	16	0320	0336	0324	N11	E39	.625	12035	19.1	16	-N	2	0324	.52	.66				4
160 MONT	16	0844	0858	0850	N06	E15	.258	12034	17.5	14	-N	C	0850	.41					7
161 ATHN	16	1456	1505	1500	S16	E90	1.001	12040	23.4	9	-N	3 C						DE	6
164 PALE	16	1810	1817	1813	S10	W44	.732	12028	13.5	7	-N	3 C		.27					4
167 ATHN	17	0738	0747	0740	N21	W83	.987	12021	11.1	9	-N	2 C		.33				DE	7
168 ATHN	17	0813	0839	0820	S13	W33	.622	12028	14.9	26	-F	2 C		.66				F	7
169 ATHN	17	0832E	0842	0833	S16	E57	.875	12040	21.6	10D	-N	3 V		.17				DE	5

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Sep 72

# SOLAR FLARES Unconfirmed

SEPTEMBER 1972

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS			
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>0</sub>	MAX. INT. %				
					LAT.	MER. DIST.																
173 BOUL	17	1741	1800	1741	N20	W90	.999	12021	11.0	19	-N	3	V							5		
176 ATHN	18	0743E	0756	0743U	N14	W34	.560	12041	15.8	130	-N	2	V		.66					F	8	
177 MONT	18	0903	0910	0905	S17	E61	.906	12040	23.0	7	-N		C	0905	.52						6	
178 CATA	18	1025E	1040	1030	S15	E59	.887	12040	22.9	150	-N		P	1030	.87	1.88		(151)			5	
180 CANR	18	1330	1448	1400	N19	E06	.228	12035	19.0	78	*-N				1.50						5	
182 HUAN	18	1534	1605D		S17	E58	.885	12040	23.0	310	-F	1	C	1538	.26	.55					5	
185 MCMA	19	1504E	1515		N06	W30	.497	12034	17.4	110	-F		C	1504	.41	.50			E		5	
187 CRON	19	2325	2330		S17	E39	.713	12040	22.9	5	-F	1	V		.40						3	
188 MONT	20	0701	0712	0704	N06	W39	.626	12034	17.4	11	-N		C	0704	.41						5	
189 MONT	20	0828	0834	0830	N06	W33	.542	12034	17.9	6	-N		C	0830	.41						8	
190 MONT	20	0835	0842	0836	S06	E85	.997	12044	26.7	7	-N		C	0836	.21						8	
192 HUAN	20	1550	1603		S05	E88	1.000	12044	27.3	13	-F	1	C						T		9	
194 MCMA	20	1929	1945	1937	S08	E78	.982	12044	26.7	16	-F		C	1937					D		5	
195 PALE	20	2010E	2016	2010U	S12	E32	.604	12040	23.2	60	-F	2	V		.36						5	
196 MCMA	20	2138	2147D		S11	W10	.353	12039	20.2	90	-F		C	2145	.31	.30			E		4	
197 PALE	20	2234E	2240	2236	S06	E76	.974	12044	26.6	60	-F	2	C		.45				F		4	
199 MANI	21	0022E	0029	0023	S05	E75	.969	12044	26.6	70	-N	2		0023	.41	.98					4	
200 PALE	21	0045E	0052D	0047	S11	W11	.361	12039	20.2	70	-F	3	V		.41				F		4	
204 ATHN	21	0702	0710	0703	N07	W53	.794	12034	17.3	8	-F	3	C		.17				DE		7	
GRP46205	21	0835	0840	0837	S12	E58	.872	12044	25.7	5	-F				.28				2	2	1	7
KHAR	21	0835E	0850D		S08	E57	.855	12044	25.6	150	1F		V				1.80		H			
KHAR	21	0835E	0840D		S15	E58	.879	12044	25.7	50	-F		V				1.80		H			
TEHR	21	0837E	0840	0837U	S13	E58	.875	12044	25.7	30	-N	4	V		.28				F			
207 ATHN	21	0909E	0918	0910	N07	W56	.825	12034	17.2	90	-F	3	V		.50				DE		7	
209 ARCE	21	1200E	1205D		N07	W55	.815	12034	17.4	50	-N		P	1200	.22	.40			K		7	
GRP46211	21	1438	1447	1440	N06	E48	.739	12044	25.2	9	-F				.43				2	2	2	8
MCMA	21	1438	1448	1440	N06	E48	.739	12044	25.2	10	-F		C	1440	.21	.30			E			
RAMY	21	1438E	1445	1439U	N06	E48	.739	12044	25.2	70	-N	2	V		.65				DE			
213 RAMY	21	1644E	1657	1645	S02	E72	.953	12044	27.1	130	-F	3	V		.46				DE		6	
215 HUAN	21	2030	2035	2031	N07	E90	1.000	12046	28.6	5	-F	1	C	2031	.21						4	
217 TEHR	22	0450	0456	0454	S06	E54	.824	12044	26.3	6	-N	3	V		.09				DE		3	
218 TEHR	22	0510	0517	0513	S07	E55	.835	12044	26.3	7	-N	3	V		.19				DE		4	
219 TEHR	22	0614	0621	0618	N08	E83	.991	12046	28.5	7	-F	3	V		.19				DE		5	
222 MONT	22	0806	0818	0812	S06	E57	.851	12044	26.6	12	-N		C	0812	.41						7	
223 MONT	22	0812	0817	0814	S04	E49	.768	12044	26.0	5	-N		C	0814	.21						7	
GRP46224	22	0844	0856	0849	S09	E09	.316	12040	23.0	12	-F				.37				2	2	2	10
ATHN	22	0844	0855	0848	S09	E09	.316	12040	23.0	11	-F	3	C		.33				DE			
MONT	22	0844	0856	0849	S09	E09	.316	12040	23.0	12	-N		C	0849	.41							
225 MONT	22	0904	0918	0904	S09	E09	.316	12040	23.1	14	-N		C	0904	.41						10	
GRP46226	22	0924	1018	0933	S15	E05	.384	12040	22.8	54	-F				.28				2	2	2	9
MONT	22	0924	1028	0933	S14	E05	.369	12040	22.8	64	-N		C	0933	.21							
ATHN	22	0931E	1007	0932	S15	E05	.384	12040	22.8	360	-F	1		0932	.34	.33						
228 BOUL	22	1504	1515	1505	S05	E55	.831	12044	26.8	11	-F	3	V	1505	.20	.50					6	
231 PALE	22	1824	1828	1825	S05	E50	.781	12044	26.5	4	-F	3	V		.26				H		3	

# SOLAR FLARES Unconfirmed

SEPTEMBER 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.															
233 BOUL	22	2052	2054	2052	S05	E45	.725	12044	26.2	2	-F	2	V	2052	.40	.49			3		
239 ATHN	23	0656	0709	0658	S06	E44	.717	12044	26.6	13	-N	2	C		.50			F	6		
240 MONT	23	0720	0736	0726	S03	E49	.765	12044	27.0	16	-F		C	0726	.41				8		
241 MONT	23	0754	0804	0755	S02	E40	.655	12044	26.3	10	-F		C	0755	.21				9		
242 TEHR	23	0759	0816	0803	S12	W36	.650	12039	20.6	17	-N	3	C		.04			DE	8		
246 ATHN	23	1206	1216	1208	S08	E39	.665	12044	26.4	10	-N	3	V		.17			DE	6		
247 RANY	23	1334	1412	1338	S12	W28	.555	12040	21.5	38	-F	3	C		.46			DE	6		
248 HUAN	23	1346	1350	1347	S08	E38	.653	12044	26.4	4	-F	2	C	1347	.26	.34		E	5		
252 PALE	23	1653E	1700	1653U	S11	W32	.596	12039	21.3	7D	-F	1	C		.27			F	4		
256 BOUL	23	2311	2321	2312	S05	E40	.665	12044	27.0	10	-F	2	V	2312	.60	.72			4		
257 BOUL	23	2324	2330	2324	S05	E28	.506	12044	26.1	6	-B	3	V	2324	.50	.60			4		
261 ATHN	24	0507E	0518	0509	S05	E23	.437	12044	25.9	11D	-F	2	V		.33			DE	3		
262 ATHN	24	0614E	0627	0616	S06	E22	.431	12044	25.9	13D	-F	3	V		.33			DE	3		
263 TEHR	24	0743	0752	0745	S14	W16	.444	12040	23.1	9	-F	4	V		.19			DE	6		
GRP46264	24	0742	0751	0743	S05	E21	.409	12044	25.9	9	-F				.66			2	2	1	6
ATHN	24	0742E	0751	0743	S05	E22	.423	12044	26.0	9D	-F	3	V		.66			DE			
ISTA	24	0745	0750		S05	E20	.395	12044	25.8	5	-F							E			
265 ATHN	24	0854E	0915	0857	S11	W19	.440	12040	22.9	21D	-F	1		0857	.68	.64			5		
278 ATHN	25	0848	0858	0852	S08	E80	.988	12049	1.4	10	-F	3	C		.50			DE	7		
279 ATHN	25	0908	0922	0910	S05	E05	.224	12044	25.8	14	-F	3	C		.33			DE	6		
282 HUAN	25	1307	1310	1308	S24	E85	1.000	12049	1.9	3	-F	2	C	1308	.15			D	5		
291 MANI	25	2250E	2300	2253	N15	W40	.643	12050	23.0	10D	-F	1		2253	.31	.41			3		
296 TEHR	26	0559E	0607	0559U	S08	E62	.896	12049	30.9	8D	-N	4	V		.46			F	4		
298 CATA	26	0650	0700	0655	S04	E04	.202	12044	26.6	10	-N		P	0655	.29	.29	(178)		7		
301 TEHR	26	1040E	1044	1040U	S04	E01	.190	12044	26.5	4D	-N	4	V		.19			DE	4		
305 ATHN	26	1509E	1523	1509U	S17	W48	.800	12040	23.0	14D	-F	2	V		1.32			DE	3		
313 RANY	27	1435E	1445	1437	S17	W58	.884	12040	23.3	10D	-F	3	V		.50			DE	6		
315 MONT	28	0757	0816D	0809	N14	W77	.969	12050	22.6	19D	-N		C	0809	.21				7		
316 ATHN	28	1018	1030	1020	S12	E34	.625	12049	1.0	12	-F	2	V		.33			DE	5		
317 ATHN	28	1106E	1113	1107	S05	W37	.626	12044	25.7	7D	-N	2	V		.17			DE	6		
319 HUAN	28	1248	1308	1252	S10	E32	.589	12049	30.9	20	-F	2	C	1252	.15	.19		D	7		
320 RANY	28	1319	1329	1321	S06	W34	.592	12044	26.0	10	-F	3	C		.37			DE	7		
323 HUAN	28	1614	1620	1615	S10	E30	.564	12049	30.9	6	-F	1	C	1615	.21	.25		D	4		
326 BOUL	28	1756	1810	1759	S01	W23	.411	12044	27.0	14	-F	2	V	1759	.15	.15			3		
GRP46330	29	0342	0350	0346	S09	E21	.442	12049	30.7	8	-N				.83			1	1	1	3
PALE	29	0342E	0350D	0345	S09	E22	.455	12049	30.8	8D	-N	2	C		.55			F			
PALE	29	0344E	0350D	0346	S09	E21	.442	12049	30.7	6D	-N	1	V		.83			F			
331 TEHR	29	0616	0622	0619	S09	W42	.704	12044	26.1	6	-N	3	V		.46			DE	5		
342 CATA	30	0700	0750D	0750	N12	E34	.558	12056	2.8	50D	-N		C	0750	1.44	1.74	(155)	T	8		
344 ATHN	30	0857	0909	0901	N10	E33	.542	12056	2.8	12	-F	2	C		.33			DE	8		
345 WEND	30	1021E	1043D		S08	W59	.872	12044	26.0	22D	1N		V		3.00				6		
346 RANY	30	1430E	1451	1437U	N13	E33	.546	12056	3.1	21D	-F	3	C		.15			DE	9		