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Oct 73

SOLAR FLARES Confirmed

OCTOBER 1973

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	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.												
820 MITK	01	0400	0416	0409	S17	E25	.563	12542	3.0	16	1F	C	0409	3.40	4.10			E 3
GRP49821	01	0642	0704	0648	N08	W66	.909	12532	26.3	22	-N			1.06				4 4 3 5
TACH	01	0640	0656	0643	N06	W67	.917	12532	26.3	16	-E	C	0643	1.00			80	EZ
MITK	01	0640E	0708	0653	N10	W66	.908	12532	26.3	280	1N	C	0653	1.55				E
CRON	01	0643E	0705		N08	W65	.902	12532	26.4	220	-N	V		.62				D
ISTA	01	0645	0705		N07	W67	.917	12532	26.3	20	-N							
GRP49823	01	0950	0959	0952	N11	W68	.922	12535	26.3	9	--N			.37				2 2 2 5
MONT	01	0949	0959	0951	N12	W67	.915	12535	26.4	10	-N	C	0951	.21				D
CANR	01	0950	0958	0953	N10	W69	.929	12535	26.2	8	-N	V	0953	.52				
GRP49825	01	1015	1028	1019	S07	E12	.313	12542	2.3	13	--N			.27				3 3 3 4
CATA	01	1015	1025	1020	S07	E12	.313	12542	2.3	10	-N	1	1020	.29	.30	(158)		
CANR	01	1015	1030	1018	S07	E10	.292	12542	2.2	15	-N	V	1018	.41				
MONT	01	1016	1020	1019	S06	E13	.312	12542	2.4	40	-N	C	1019	.10				D
826 HUAN	01	1306	1313	1308	N11	W68	.922	12535	26.4	7	--N	1	C	1308	.26			3
827 HUAN	01	1425	1429	1425	S11	E17	.415	12542	2.9	4	--F	2	C	1425	.21	.22		D 3
GRP49828	01	1426	1443	1429	S14	W06	.368	12540	1.2	17	--F			.75				3 3 3 4
RAMY	01	1423	1438	1428	S14	W06	.368	12540	1.1	15	-F	2	C	.28				DE
HUAN	01	1427	1435	1429	S14	W06	.368	12540	1.2	8	-N	1	C	1429	.41	.44		
CANR	01	1427E	1455		S14	W06	.368	12540	1.2	280	-F	V		1.55				
GRP49829	01	1803	1819	1807	S14	W08	.378	12540	1.2	16	--N			.51				2 2 2 2
PALE	01	1803	1819	1807	S13	W08	.363	12540	1.2	16	-N	3	C	.55				F H
HUAN	01	1808E	1810		S15	W07	.388	12540	1.2	20	-N	2	C	1809	.46	.50		C
	01	1918	1936		NO FLARE PATROL													
	01	2007	2030		NO FLARE PATROL													
	01	2119	2147		NO FLARE PATROL													
GRP49830	02	0015	0046	0018	S09	W12	.337	12540	1.1	31	--F			1.27				2 1 1 2
PALE	02	0015E	0044	0018U	S13	W12	.391	12540	1.1	290	-F	2	C	1.27				U
CRON	02	0040	0048		S04	W12	.276	12540	1.1	8	-F		V	1.03				
831 CRON	02	0158E	0212		S04	W12	.276	12540	1.2	140	--F		V	1.13				2
GRP49833	02	0259	0314	0303	N22	W19	.405	12537	30.7	15	--E			.54				2 2 2 5
CRON	02	0259	0313	0302	N22	W18	.393	12537	30.8	14	-E		V	.62				
PALE	02	0304E	0315	0304U	N22	W19	.405	12537	30.7	110	-N	2	C	.45				F
834 MITK	02	0405	0436	0421	S13	E07	.356	12542	2.7	31	--F	C	0421	.83	.90			E 3
836 ARCE	02	0911E	0920		N23	W21	.438	12537	30.9	90	--N	C	0915	.25	.30			4
	02	1000	1005		NO FLARE PATROL													
	02	1203	1240		NO FLARE PATROL													
GRP49837	02	1220	1242	1226	S14	E03	.357	12542	2.7	22	-B			.72				2 2 1 2
CANR	02	1220	1230	1224U	S15	E01	.370	12542	2.6	100	1N		V	1224		2.80		
RAMY	02	1225E	1242	1228	S13	E05	.347	12542	2.9	170	-B	3	V	.72				DE
GRP49838	02	1909	1924	1916	N22	W28	.516	12537	30.7	15	--N			.37				2 2 2 4
PALE	02	1909	1924	1916	N22	W28	.516	12537	30.7	15	-N	2	C	.36				H
RAMY	02	1915E	1920	1915U	N21	W28	.510	12537	30.7	50	-N	3	C	.37				DE F
GRP49839	02	2017	2023	2019	N11	W79	.978	12535	26.9	6	--F			.32				2 2 2 2
RAMY	02	2016E	2025	2018U	N11	W80	.981	12535	26.8	90	-N	2	C	.37				DE
HUAN	02	2017	2021	2019	N11	W78	.974	12535	27.0	4	-F	1	C	2019	.26			D
	02	2030	2034		NO FLARE PATROL													
	02	2153	2210		NO FLARE PATROL													
840 CRON	03	0001E	0023	0003	S14	W26	.545	12540	1.1	220	--N		V	.83				1
841 CRON	03	0112E	0158	0146	N13	W83	.990	12535	26.8	460	-N		V	.62				1
842 CRON	03	0358E	0416	0403	N13	W83	.990	12535	26.9	180	-N		V	.62				2
GRP49845	03	1435	1459	1439	S13	W11	.382	12542	2.8	24	--F			1.83				2 2 2 3
RAMY	03	1435	1459	1439	S13	W12	.390	12542	2.7	24	-F	4	C	.56				DE
WEND	03	1438E	1452		S13	W09	.368	12542	2.9	140	1F		V	3.09				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS			
	DATE OCT	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 α	MAX. INT. %				
					LAT.	MER. DIST.																
GRP49846	03	1701	1734	1709	S14	W12	.404	12542	2.8	33	--F				.46				2 2 2 2			
RAMY	03	1701	1734	1709	S13	W14	.408	12542	2.7	33	-F	4	C		.56				DE			
HUAN	03	1704E	17040		S14	W09	.382	12542	3.0		-F	1	P	1704	.36	.39						
GRP49847	03	2031	2103	2038	N18	E09	.248	12543	4.5	32	-N				1.37				2 2 2 2			
RAMY	03	2031E	20460	2035U	N18	E09	.248	12543	4.5	150	-N	2	C		1.39				U S			
PALE	03	2032E	2103	2041U	N17	E08	.225	12543	4.5	310	-N	2	C		1.34				U F			
	03	2125	2148	NO FLARE PATROL																		
	03	2154	2155	NO FLARE PATROL																		
	03	2201	2210	NO FLARE PATROL																		
848 PALE	04	0218E	0223	0219U	N17	W02	.184	12543	3.9	50	--F	1	C		.27				H 3			
GRP49849	04	0810	0827	0815	S14	W21	.489	12542	2.9	17	-N				.90				5 5 5 7			
CANR	04	0809	08120	0812	S14	W21	.489	12542	2.9	30	-F		V	0812	1.55	1.60			F			
ATHN	04	0809	0827	0813	S15	W22	.510	12542	2.7	18	-N	3	C		.83							
ARCE	04	0810E	08260		S14	W22	.500	12542	2.7	160	-N		C	0813	.47	.50			E			
MONT	04	0810	0828	0813	S14	W21	.489	12542	2.8	18	-N		C	0813	.72				F			
TEHR	04	0820E	0827	0820U	S13	W20	.468	12542	2.8	70	-N	2	C		.91							
GRP49850	04	0818	0829	0821	S13	W43	.731	12540	1.1	11	--F				.36				3 3 3 7			
ATHN	04	0814	0827	0816	S14	W40	.704	12540	1.3	13	-F	3	V		.50				F			
TEHR	04	0820E	0827	0822	S11	W44	.734	12540	1.0	70	-F	1	C		.37				F			
MCNT	04	0821	0833	0824	S14	W44	.746	12540	1.0	12	-N		C	0824	.21							
7 STATIONS REPORTING GROUP 49853. 2 STATIONS OBSERVING AND NOT REPORTING.																						
GRP49853	04	1032	1220	1040	S14	W44	.746	12540	1.1	108	-N				1.21				5 5 5 8			
MONT	04	1031	10540	1043	S14	W44	.746	12540	1.1	230	-N		C	1043	.41				D			
MEUD	04	1031	1230	1041	S15	W43	.740	12540	1.2	119	1N		C	1132	2.58	3.80			EHU			
KHAR	04	1032E	11230		S16	W46	.775	12540	1.0	510	1F		C	1033	2.27	3.50			E			
TEHR	04	1033E	1038	1033U	S11	W44	.734	12540	1.1	50	-N	3	V		.25				DE			
RAMY	04	1033	12100	1042	S15	W43	.740	12540	1.2	970	-N	3	C		.56				UDE			
49853	04	1112	1221	1143	S13	W45	.752	12540	1.1	69	*1N				1.94				2 2 2 6			
TEHR	04	1108E	1202	1145	S11	W44	.734	12540	1.2	540	1N	3	V		2.15				F			
CATA	04	1115	1240	1140	S15	W45	.761	12540	1.1	85	1N	3		1140	1.73	2.67	(195)					
49853	04	1031	1230	1132	S15	W43	.740	12540	1.2	119	*1N				2.58				2 1 1 6			
MEUD	04	1031	1230	1132	S15	W43	.740	12540	1.2	119	1N		C	1132	2.58	3.80			EHU			
RAMY	04	1033	12100	1050	S15	W43	.740	12540	1.2	970	-N	3	C		.74				UDE			
49853	04	1108	1202	1114	S11	W44	.734	12540	1.2	54	*-N				.83				2 1 1 7			
TEHR	04	1108E	1202	1114	S11	W44	.734	12540	1.2	540	-N	3	V		.93				F			
CANR	04	1158	12000		S14	W43	.736	12540	1.3	20	1N		V	1200	2.06	2.80						
GRP49854	04	1325	1333	1327	S16	W18	.481	12542	3.2	8	--F				.33				2 2 1 7			
ATHN	04	1324	1335	1326	S16	W19	.491	12542	3.1	11	-N	4	C		.33				DE H			
HUAN	04	1326	1330	1327	S15	W16	.451	12542	3.4	4	-F	1	C	1327								
GRP49856	04	1452	1530	1510	S14	W22	.500	12542	3.0	38	-N				1.44				2 2 2 3			
CANR	04	1452	15090	1509	S14	W16	.438	12542	3.4	170	1N		V		2.58							
CATA	04	1510E	1530	1510	S14	W28	.568	12542	2.5	200	-N	3		1510	.29	.35	(195)					
857 PALE	04	1820	1827	1822	S13	W22	.490	12542	3.1	7	--F	3	C		.27				F H 1			
858 PALE	04	1847	1852	1849	S13	W46	.763	12540	1.3	5	--F	3	C		.27				1			
859 PALE	04	1903	1912	1905	S13	W23	.501	12542	3.1	9	--N	3	C		.19				1			
GRP49860	04	2227	2256	2230	S15	W25	.543	12542	3.1	29	-N				1.45				2 2 2 2			
MANI	04	2227E	22420	2229	S16	W23	.531	12542	3.2	150	-N	1		2229	1.34	1.60			HF			
PALE	04	2228E	2256	2230U	S14	W26	.545	12542	3.0	280	-N	3	V		1.55				DE			
GRP49861	04	2347	0013	2354	S13	W31	.595	12542	2.7	26	-B				1.16				2 2 2 3			
CRCN	04	2347E	0011	2349	S13	W31	.595	12542	2.7	240	-N		V		1.13							
PALE	04	2352E	0014	2359	S12	W31	.588	12542	2.7	220	-B	3	C		1.18				DE			
GRP49862	05	0225	0240	0228	S16	W27	.573	12542	3.1	15	--F				.60				2 2 2 5			
MANI	05	0224	0241	0227	S17	W27	.582	12542	3.1	17	-F	2		0227	.83	1.00			HF			
PALE	05	0226	0239	0228	S14	W27	.556	12542	3.1	13	-F	2	C		.36							
3 STATIONS REPORTING GROUP 49863. 1 STATIONS OBSERVING AND NOT REPORTING.																						
GRP49863	05	0248	0408	0339	S13	W55	.848	12540	1.0	80	-N				1.29				3 3 3 4			
MANI	05	0245	03510	0341	S14	W58	.875	12540	30.8	660	-N	2		0341	.62	1.15						
PALE	05	0252	0355	0337	S13	W55	.848	12540	1.0	63	-N	2	C		1.08				F			
CRCN	05	0335	0421		S13	W53	.831	12540	1.2	46	1F		V		2.17							

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	DATE OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA TH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _a	MAX. INT. %	
					LAT.	MER. DIST.												
49863 PALE MANI	05	0252	0355	0258	S15	W53	.836	12540	1.1	63	*-F			.85				2 2 2 4
	05	0252	0355	0257	S13	W55	.848	12540	1.0	63	-F	2 C		1.18				F
	05	0255E	0319D	0259U	S16	W51	.822	12540	1.3	240	-F	2	0259	.52	.88			F
GRP49866 MEUD MCNT ARCE CATA	05	0944	0949	0945	S16	W31	.617	12542	3.1	5	--N			.36				4 4 4 7
	05	0943	0949		S17	W31	.624	12542	3.1	6	-F	C	0943	.41	.50			
	05	0943	0949	0944	S15	W31	.609	12542	3.1	6	-N	C	0944	.41				0
	05	0945E	0948D		S16	W30	.606	12542	3.2	30	-N	P	0945	.32	.40			
	05	0945	0950	0945	S16	W31	.617	12542	3.1	5	-N	3	0945	.29	.35		(166)	
GRP49868 RAMY MONT MEUD CATA	05	1118	1125	1120	S17	W35	.667	12542	2.8	7	-N			1.45				4 4 4 7
	05	1116	1128	1119	S16	W36	.671	12542	2.8	12	-F	3 C		.37				DE
	05	1117	1123	1120	S17	W35	.667	12542	2.8	6	-N	C	1120	1.86				
	05	1117	1123	1120	S18	W35	.674	12542	2.8	6	-N	C	1120	1.24	1.60			EL
	05	1120	1125	1120	S17	W35	.667	12542	2.8	5	1N	3	1120	2.31	3.11		(170)	
GRP49870 RAMY MEUD MCMA HUAN	05	1356	1416	1401	S16	W38	.693	12542	2.7	20	--F			.40				4 4 3 5
	05	1355	1415	1401	S16	W38	.693	12542	2.7	20	-F	2 C		.37				DE
	05	1355	1412	1400	S16	W38	.693	12542	2.7	17	-N	C	1400	.52	.70			E
	05	1356	1420	1401	S15	W39	.698	12542	2.7	24	-F	C	1401	.31	.40			OH
	05	1358	1400D		S15	W38	.687	12542	2.7	20	-F	1 P	1359					
GRP49871 PALE FALE MCMA	05	1928	1957	1940	S15	W42	.730	12542	2.7	29	--F			.70				2 2 2 2
	05	1920	1956	1935	S14	W44	.746	12542	2.5	36	-N	2 C		.99				DE
	05	1920	1956	1927	S14	W44	.746	12542	2.5	36	-N	2 C		.36				DE
	05	1936	1958	1944	S15	W40	.709	12542	2.8	22	-F	C	1944	.41	.60			E
GRP49872 PALE MCMA RAMY	05	1937	2039	1947	S12	W59	.879	12540	1.4	62	--F			.67				3 2 2 3
	05	1935	2052D	1946	S12	W57	.863	12540	1.5	77D	-F	2 C		1.08				F
	05	1938	2025	1947	S12	W60	.887	12540	1.3	47	-F	C	1947	.26	.50			0
	05	2004E	2013D	2007	S13	W59	.881	12540	1.4	90	-F	3 C		.83				DE
873 PALE	05	2211E	2214D	2212U	N05	E36	.586	12549	8.6	30	--F	2 V		.26				2
GRP49874 PALE VORO MANI	06	0136	0210	0146	S14	W45	.756	12542	2.7	34	-N			1.16				3 3 3 4
	06	0136	0215D	0150U	S15	W45	.760	12542	2.7	390	-N	2 C		1.44				F
	06	0136	0204	0141	S13	W46	.762	12542	2.6	28	-B	C	0148	1.02	1.50		64	EJ
	06	0140E	0152D	0147	S13	W43	.731	12542	2.8	120	-N	1	0147	1.03	1.52			F
3 STATIONS REPORTING GROUP 49875. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP49875 TEHR CRON	06	0254	0446	0257	S15	W49	.800	12542	2.4	112	-F			1.45				2 2 2 4
	06	0254E	0447	0254U	S16	W51	.822	12542	2.3	1130	-N	1 V		.83				F
	06	0300E	0445	0300	S14	W46	.766	12542	2.7	105D	1F	V		2.06				
06 0255 0300 NO FLARE PATROL																		
49875 TEHR KODA	06	0312	0457	0341	S17	W46	.779	12542	2.7	105	*1N			2.19				2 1 1 4
	06	0312E	0457	0341U	S17	W46	.779	12542	2.7	105D	1N	3 C		2.19				U F
	06	0353	0436	0355	S15	W45	.760	12542	2.8	43	-B	P	0412	.99	1.02	2.08		CE
GRP49876 RAMY TEHR CATA	06	1049	1127	1056	S16	W68	.945	12540	1.4	38	-N			.53				3 3 3 7
	06	1046E	1126	1050	S14	W67	.937	12540	1.4	400	-N	4 V		.66				DE
	06	1052	1128	1102	S17	W69	.952	12540	1.3	36	-N	3 C		.36				
	06	1055E	1100D	1055	S16	W68	.945	12540	1.4	50	-N	3	1055	.58			(174)	
877 RAMY	06	1600	1609	1603	S17	W53	.842	12542	2.7	9	--F	4 V		.28				DE 2
06 1806 1823 NO FLARE PATROL																		
06 1826 1849 NO FLARE PATROL																		
06 1941 2053 NO FLARE PATROL																		
06 2107 2140 NO FLARE PATROL																		
07 1752 1812 NO FLARE PATROL																		
07 1848 1857 NO FLARE PATROL																		
07 1900 1908 NO FLARE PATROL																		
07 1909 1935 NO FLARE PATROL																		
07 1941 2006 NO FLARE PATROL																		
07 2019 2058 NO FLARE PATROL																		
880 PALE	07	2058E	2108		S16	W67	.940	12542	2.8	100	--F	1 C						F 1

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hq	MAX. INT. %	
					LAT.	MER. DIST.												
	07	2108	2205		NO FLARE PATROL													
GRP49881	07	2322	2335	2325	N14	W64	.893	12543	3.2	13	-N				.47			3 3 3 3
VORON	07	2322	2333	2324	N14	W65	.901	12543	3.1	11	-E				.65	1.40	72	DJ
PALE	07	2323E	2336	2326	N15	W63	.885	12543	3.2	130	-N	2	C	2324	.36			F
CRON	07	2325E	2336		N14	W63	.885	12543	3.3	110	-N		V		.41			
882 CRON	08	0231E	0255		S15	W64	.920	12542	3.3	240	1N		V		1.55			2
GRP49883	08	1212	1230	1216	N13	W72	.946	12543	3.1	18	--F				.33			4 4 3 4
ISTA	08	1210	1230	1215	N12	W70	.935	12543	3.3	20	-N							E
RAMY	08	1211	1232	1215	N13	W72	.946	12543	3.1	21	-N	3	C		.28			DE
CATA	08	1215	12200	1215	N14	W74	.956	12543	3.0	50	-F	1		1215	.29		(135)	
CANR	08	1218E	1228	1220	N13	W72	.946	12543	3.1	100	-F		V	1220	.41	1.00		
884 RAMY	08	1528	1550	1538	S10	W55	.840	12545	4.5	22	--F	3	C		.19			DE 3
	08	1952	2032		NO FLARE PATROL													
	08	2051	2248		NO FLARE PATROL													
GRP49886	09	0720	0854	0846	S09	W61	.889	12545	4.7	94	--F				.10			4 2 1 9
ISTA	09	0720E	0854		S09	W60	.881	12545	4.8	940	-F							D
ABST	09	0803E	08070	0805	S08	W62	.895	12545	4.7	40	-F		P	0805	.90	1.80	62	DJ
CATA	09	0820E	08450	0825	S12	W61	.894	12545	4.9	250	-N	3		0825	.29	.64	(186)	
MCNT	09	0843E	08530	0846	S09	W62	.896	12545	4.7	100	-N		C	0846	.10			D
GRP49887	09	1005	1031	1005	S10	W63	.905	12545	4.7	26	--N				.15			2 2 2 6
MONT	09	1005E	1031	1005	S09	W63	.904	12545	4.7	260	-N		C	1005	.21			DHK
TEHR	09	1005E	10100	1005U	S10	W63	.905	12545	4.7	50	-N	3	V		.08			DE
888 RAMY	09	1303	1333	1305	S10	W65	.919	12545	4.7	30	--F	3	C		.19			DE 3
892 PALE	09	2017	2029	2022	S07	W70	.946	12545	4.6	12	--F	3	C		.36			DE 2
893 PALE	09	2104	2113	2107	S07	W70	.946	12545	4.6	9	--N	3	C		.27			1
894 PALE	09	2142	2151	2145	S07	W71	.951	12545	4.6	9	--F	3	C		.45			F 1
896 PALE	09	2332E	0017	2334U	S07	W73	.961	12545	4.5	450	--F	3	V		.83			3
901 MONT	10	1010	1052	1016	S09	W80	.988	12545	4.4	42	-N		C	1016	.72			5
GRP49903	10	1645	1712	1652	S08	W87	.999	12545	4.2	27	--F				.62			3 3 1 4
CANR	10	1640	1730	1656	S10	W88	1.000	12545	4.1	50	-F		V		.62	1.80		
RAMY	10	1647	1702	1650	S07	W85	.997	12545	4.3	15	-N	2	C					DE
MCMA	10	1648	1703	1650	S08	W88	1.000	12545	4.1	15	-F		C	1650				D
904 PALE	10	1845E	1853	1851	S06	W85	.997	12545	4.4	130	--F	2	C		.36			2
905 PALE	10	2215E	2245	2217U	S06	W88	1.000	12545	4.3	300	--F	2	C		.36			2
	11	1754	1836		NO FLARE PATROL													
	11	1922	2006		NO FLARE PATROL													
	11	2014	2017		NO FLARE PATROL													
	11	2028	2039		NO FLARE PATROL													
	11	2302	2316		NO FLARE PATROL													
	11	2333	0009		NO FLARE PATROL													
	12	0018	0054		NO FLARE PATROL													
	12	1856	1930		NO FLARE PATROL													
906 PALE	13	0037	0108	0045	N12	W07	.159	12556	12.5	31	--F	2	C		.72			DE 3
	13	0602	0611		NO FLARE PATROL													
	13	1930	1949		NO FLARE PATROL													
	13	1950	1955		NO FLARE PATROL													
	13	2001	2026		NO FLARE PATROL													
	13	2035	2043		NO FLARE PATROL													

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	13	2057	2100	NO FLARE	PATROL													
GRP49909	14	1503	1520	1505	N14	W32	.537	12556	12.2	17	--N				.40			3 3 3 3
CANR	14	1502	1520	1505	N12	W32	.532	12556	12.2	18	-F				.41			
RAMY	14	1503	1525	1504	N14	W32	.537	12556	12.2	22	-N	3	C		.37			DE H
MCMA	14	1504E	1515	1506	N15	W32	.540	12556	12.2	110	-N		C	1506	.41	.50		CEH
GRP49910	14	1900	1920	1907	N15	W34	.568	12556	12.2	20	--F				.35			2 2 2 2
RAMY	14	1900	1909D	1904U	N14	W34	.565	12556	12.2	90	-F	1	C		.28			DE
MCMA	14	1900	1920	1909	N15	W34	.568	12556	12.2	20	-N		C	1909	.41	.50		E
	14	1928	1929	NO FLARE	PATROL													
	14	1931	2045	NO FLARE	PATROL													
920 PALE	16	1824E	1830D	1825U	N15	W57	.835	12556	12.5	60	--F	2	C		.36			F 2
	16	1944	2000	NO FLARE	PATROL													
	16	2013	2046	NO FLARE	PATROL													
922 MANT	17	0252E	0257D	0252U	N12	W63	.882	12556	12.4	50	--N	1		0252	.41	.79		F 3
GRP49929	17	1014	1042	1019	S03	W52	.800	12571	13.5	28	--N				.28			3 3 3 8
MONT	17	1013E	1046	1021	S02	W51	.787	12571	13.5	330	-N		C	1021	.21			D
ATHN	17	1014E	1031	1015	S05	W53	.815	12571	13.5	170	-F	3	V		.33			OE
CATA	17	1015	1050	1020	S02	W52	.798	12571	13.5	35	-N	1		1020	.29	.47	(166)	
	17	1912	1936	NO FLARE	PATROL													
	18	2030	2045	NO FLARE	PATROL													
	19	0350	0403	NO FLARE	PATROL													
	19	0407	0415	NO FLARE	PATROL													
	19	0440	0447	NO FLARE	PATROL													
	19	1741	1805	NO FLARE	PATROL													
	19	1834	1841	NO FLARE	PATROL													
	19	1843	1859	NO FLARE	PATROL													
	19	1903	1923	NO FLARE	PATROL													
	19	1942	2053	NO FLARE	PATROL													
	19	2058	2129	NO FLARE	PATROL													
	19	2213	2303	NO FLARE	PATROL													
	19	2318	2323	NO FLARE	PATROL													
	20	1831	1848	NO FLARE	PATROL													
	20	1857	1901	NO FLARE	PATROL													
	20	1922	1923	NO FLARE	PATROL													
	20	1956	2113	NO FLARE	PATROL													
GRP49933	21	1135	1155	1145	S13	E89	1.000	12584	28.2	20	1F				.57			3 3 2 5
KHAR	21	1133E	1140D		S13	E90	1.000	12584	28.2	70	1F		P					
CATA	21	1135E	1200D	1145	S14	E90	1.000	12584	28.2	250	1F	3		1145	.87		(145)	T
HUAN	21	1137	1150	1144U	S12	E88	1.000	12584	28.1	13	-F	1	C	1144	.26			T
GRP49934	21	1437	1500	1442	S12	E88	1.000	12584	28.2	23	-F				.31			3 2 1 4
MCMA	21	1425E	1440D		S12	E90	1.000	12584	28.4	150	-N		C	1430				
HUAN	21	1435	1500	1442U	S12	E88	1.000	12584	28.2	25	-F	1	P	1442	.31			
RAMY	21	1439	1500		S12	E87	1.000	12584	28.1	21	-N	4	C					DE
GRP49936	21	1655	1713	1659	S12	E87	1.000	12584	28.2	18	--F				.26			2 2 1 4
HUAN	21	1653	1713	1659U	S12	E88	1.000	12584	28.3	20	-F	1	C	1659	.26			D
RAMY	21	1656	1710D		S12	E86	.999	12584	28.2	140	-N	3	C					OE
937 HUAN	21	1820	1827	1822	S12	E88	1.000	12584	28.4	7	--F	1	C	1822	.31			3
938 HUAN	21	1920	1928	1923	S12	E87	1.000	12584	28.3	8	-N	1	C	1923	.26			D 3

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
939 HUAN	21	1937	1957		S12	E87	1.000	12584	28.3	20	--F	1	C	1939	.26			0 1
940 PALE	21	2334E	2347	2337U	S15	E82	.994	12584	28.1	130	--F	2	C		.55			F 4
941 ARCE	22	0815E	0835D		S13	E78	.984	12584	28.2	200	--N		C	0820	.22			4
GRP49942	22	1122	1135	1129	S18	E88	1.000	12588	29.1	13	-N				1.19			4 4 2 5
TEHR	22	1121	1247	1130	S19	E88	1.000	12588	29.1	86	-N	3	C		.83			F Y
RAMY	22	1121E	1132		S16	E85	.998	12588	28.8	110	-N	3	C					DE
MONT	22	1123	1144	1128	S18	E88	1.000	12588	29.1	21	-N		C	1128	1.55			E
HUAN	22	1127E	1128		S17	E90	1.000	12588	29.2	10	-F	1	P	1128				
943 HUAN	22	1418	1430	1422	S09	E67	.929	12584	27.6	12	--F	1	C	1422	.31			E 2
944 MCMA	22	1635	1651	1639	S12	E68	.938	12584	27.8	16	--N		C	1639	.21	.50		0 2
945 MCMA	22	1658	1723D	1709	S12	E68	.938	12584	27.8	250	--F		C	1709	.21	.50		0 3
946 MCMA	22	1735E	1825		S12	E67	.932	12584	27.8	500	--F		C	1753	.41	1.00		E 2
	22	1951	2022	NO FLARE	PATROL													
	22	2024	2129	NO FLARE	PATROL													
	22	2148	2201	NO FLARE	PATROL													
	22	2212	2225	NO FLARE	PATROL													
GRP49947	23	0938	0949	0943	S09	E61	.887	12584	28.0	11	--N				.33			2 2 2 5
ARCE	23	0935E	0945D		S10	E60	.880	12584	27.9	100	-N		C	0936	.25	.50		
CANR	23	0941	0949	0943	S08	E61	.885	12584	28.0	8	-N		V	0943	.41	.80		
GRP49948	23	1015	1030	1023	S14	E59	.880	12584	27.9	15	--N				.38			5 5 5 6
ARCE	23	1000E	1020D		S13	E58	.870	12584	27.8	200	-N		C	1018	.32	.60		
MONT	23	1009	1029	1023	S14	E57	.864	12584	27.7	20	-N		C	1023	.31			0
TEHR	23	1010	1031	1021	S16	E58	.876	12584	27.8	21	-N	3	C		.34			DE
MONT	23	1019	1028	1021	S13	E60	.886	12584	27.9	9	-N		C	1021	.21			
ATHN	23	1020E	1029D	1022	S15	E58	.874	12584	27.9	90	-N	2	C		.33			DE
CANR	23	1022	1030	1024	S14	E62	.902	12584	28.1	8	-N		V	1025	.62	1.10		
GRP49954	23	1534	1551	1536	S16	E63	.912	12584	28.4	17	--N				.26			2 2 2 3
HUAN	23	1534	1553	1536	S15	E63	.911	12584	28.4	19	-N	2	C	1536	.26	.42		0
MCMA	23	1534	1549	1535	S16	E62	.906	12584	28.3	15	-N		C	1535	.26	.50		E
955 MCMA	23	1725	1732	1727	S15	E57	.866	12584	28.0	7	--F		C	1727	.21	.30		0 3
GRP49958	23	2043	2109	2046	S15	E52	.823	12584	27.8	26	--F				.61			2 2 2 2
PALE	23	2043	2109	2047	S15	E53	.832	12584	27.8	26	-F	3	C		.55			DE
RAMY	23	2045E	2107D	2045U	S15	E51	.813	12584	27.7	220	-F	4	V		.66			F
959 PALE	23	2136	2203	2138	S16	E51	.817	12584	27.7	27	--N	3	C		.36			F 2
GRP49960	24	0033	0059	0039	S15	E66	.930	12588	29.0	26	1N				1.17			3 3 3 5
PALE	24	0031	0045D	0038	S15	E67	.936	12588	29.0	140	1B	3	V		1.34			DE U
PALE	24	0031	0105	0034	S15	E67	.936	12588	29.0	34	-N	3	V		.72			DE U
MITK	24	0033	0058	0042	S16	E65	.925	12588	28.9	25	1N		C	0042	1.13			E
CRON	24	0036	0054	0038	S15	E65	.924	12588	28.9	18	1N		V		1.03			
4 STATIONS REPORTING GROUP 49961. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP49961	24	0033	0059	0037	S16	E54	.843	12584	28.1	26	1N				1.40			3 3 3 4
MITK	24	0033	0048	0039	S15	E50	.804	12584	27.8	15	1N		C	0039	1.75	2.80		
PALE	24	0033	0105	0034	S16	E57	.868	12584	28.3	32	-N	3	C		.91			DE
MANI	24	0034E	0105	0038	S16	E56	.860	12584	28.2	310	1N	1		0038	1.55	2.82		
962 PALE	24	0118	0133	0124	S15	E86	.999	12588	30.5	15	-N	3	C		.36			4
GRP49963	24	1628	1645	1635	N17	E90	1.000	12590	31.4	17	--F							2 2 0 4
RAMY	24	1628	1645	1633	N18	E90	1.000	12590	31.4	17	-N	4	C					
MCMA	24	1630E	1640D	1637	N16	E90	1.000	12590	31.4	140	-F		C	1637				
	24	2141	2142	NO FLARE	PATROL													
	24	2155	2217	NO FLARE	PATROL													
GRP49966	25	1053	1107	1055	N17	E82	.987	12590	31.6	14	-N				.45			3 3 3 7
MEUD	25	1051	1105	1055	N16	E80	.982	12590	31.5	14	-F		C	1055	.31			
MONT	25	1052	1101	1055	N18	E86	.996	12590	31.9	9	-N		C	1055	.41			0
CANR	25	1056	1114		N16	E79	.978	12590	31.4	18	-N		V	1058	.62			

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OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	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.												
GRP49967	25	1124	1142	1127	S15	E30	.586	12584	27.7	18	--N			.79				4 4 4 7
CANR	25	1123	1144	1126	S15	E30	.586	12584	27.7	21	-N	V	1126	1.65	1.90			DE
RAMY	25	1124	1138	1126	S15	E29	.574	12584	27.7	14	-N	4 C		.46				
MCNT	25	1125	1148	1129	S16	E30	.593	12584	27.7	23	-B	C	1129	.52				
MEUD	25	1125	1138	1126	S15	E29	.574	12584	27.7	13	-N	C	1126	.52	.60			E
GRP49968	25	1322	1333	1325	N17	E84	.992	12590	31.9	11	--F			.52				2 2 1 6
MEUD	25	1320	1333	1326	N16	E80	.982	12590	31.6	13	-F	C	1326	.52				
HUAN	25	1323	1332	1324	N17	E88	.998	12590	1.2	9	-F	1 C	1324					
GRP49970	25	1425	1623	1551	N15	W20	.375	12577	24.1	118	--F			.39				4 4 4 5
MCMA	25	1425	15500	1455	N15	W21	.389	12577	24.0	850	-F	C	1455	.31	.30			EH
RAMY	25	1542E	1615	1542U	N15	W22	.404	12577	24.0	330	-F	3 C		.23				DE
MCMA	25	1551	1645	1600	N15	W20	.375	12577	24.2	54	-N	C	1600	.41	.40			E
HUAN	25	1557E	1608		N14	W19	.354	12577	24.2	110	-F	2 C	1559	.52	.55			CE
CANR	25	1559E	15590		N17	W19	.376	12577	24.2		-N	V		.41	.50			
GRP49971	25	1552	1604	1554	S16	E27	.560	12584	27.7	12	--F			.25				2 2 2 5
RAMY	25	1552	1602	1554	S14	E27	.543	12584	27.7	10	-F	3 C		.28				DE
MCMA	25	1552E	1605	1553	S17	E27	.568	12584	27.7	130	-N	C	1553	.21	.20			E
GRP49972	25	1719	1756	1727	N15	W22	.404	12577	24.1	37	--N			.45				4 4 4 5
MCMA	25	1717	1805	1732	N15	W21	.389	12577	24.1	48	-N	C	1732	.46	.50			E
HUAN	25	1719E	17370		N14	W21	.383	12577	24.1	180	-F	2 P	1727	.31	.34			C
RAMY	25	1720	1758	1725	N15	W23	.418	12577	24.0	38	-N	3 V		.37				DE
PALE	25	1721E	1745	1723U	N15	W22	.404	12577	24.1	240	-N	2 V		.67				F
973 RAMY	25	2037E	2055	2040U	N15	W25	.446	12577	24.0	180	--F	3 V		.28				DE 2
974 PALE	25	2126E	2135	2128U	S15	E28	.563	12584	28.0	90	--N	3 V		.26				2
975 PALE	25	2141E	21490	2144U	S12	E27	.527	12584	27.9	80	--N	3 V		.21				F 2
	25	2202	2215	NO FLARE PATROL														
GRP49976	25	2336	2353	2341	S15	E25	.528	12584	27.9	17	--N			.83				1 1 1 4
MITK	25	2336E	2353	2341	S15	E27	.551	12584	28.0	170	-N	C	2341	.83	1.00			D
MITK	25	2336E	2341	2338	S15	E23	.506	12584	27.7	50	-N	C	2338	.62	.70			D
GRP49979	26	0727	0750	0732	S16	E18	.462	12584	27.7	23	--N			.79				4 4 4 4
TACH	26	0724	0742	0733	S16	E20	.462	12584	27.8	18	-B	C	0733	1.19	1.36	2.15	48	EZ
TEHR	26	0726	0851	0731	S16	E18	.462	12584	27.7	85	-N	2 C		.45				DE
CRON	26	0728	0749	0733	S17	E18	.474	12584	27.7	21	-N	V		.41				
BUCA	26	0730	0758		S15	E17	.440	12584	27.6	28	-N	C	0732	1.10	1.20			
CRON	26	0840	0849		S17	E18	.474	12584	27.7	9	-F	V		.31				
981 MEUD	26	1301	1310	1302	S10	E17	.384	12584	27.8	9	--F	C	1302	.31	.30			D 3
GRP49982	26	1737	1748	1740	S15	F16	.431	12584	27.9	11	--F			.32				2 2 2 2
RAMY	26	1735	1750	1739	S14	F16	.419	12584	27.9	15	-F	3 C		.23				DE
PALE	26	1739	1746	1741	S16	F15	.434	12584	27.9	7	-N	3 V		.41				F
983 PALE	26	1754	1800	1756	S16	F15	.434	12584	27.9	6	--N	4 V		.41				DE 2
984 PALE	26	2116	21270	2118	S13	F14	.386	12584	27.9	110	--N	2 V		.62				DE 2
985 PALE	26	2119	2133	2122	S15	E27	.550	12584	28.9	14	--N	2 C		.27				2
986 PALE	26	2132E	21360	2133U	S13	F14	.386	12584	27.9	40	--N	3 V		.52				DE 1
GRP49987	26	2135	2236	2151	S14	E24	.507	12584	28.7	61	-N			1.44				1 1 1 1
PALE	26	2135E	21510		S12	E26	.514	12584	28.8	160	-F	1 C						
PALE	26	2145E	2236	2151U	S16	E22	.504	12584	28.6	510	-N	2 V		1.44				F
988 PALE	26	2240	2246	2243U	S16	F12	.408	12584	27.9	6	--N	2 V		.62				2
989 PALE	27	0016E	0024	0018U	N17	E73	.953	12590	1.5	80	--F	2 C		.19				3
990 PALE	27	0215	02360	0220	S16	E23	.513	12584	28.8	210	--F	2 C		.91				F 3
GRP49991	27	0503	0510	0506	S15	E08	.365	12584	27.8	7	--F			.43				3 3 3 4
TEHR	27	0503	0510	0505	S15	E07	.359	12584	27.7	7	-F	2 C		.33				DE
RAMY	27	0503	0510	0505	S15	E07	.359	12584	27.7	7	-F	4 C		.33				DE
MANI	27	0504E	05080	0508U	S15	F10	.378	12584	28.0	40	-N	2	0508	.62	.67			
992 TEHR	27	0550	0613	0559	N23	E60	.871	12590	31.7	23	--F	2 C		.25				DE 2

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hq	MAX. INT. %		
					LAT.	MER. DIST.													
GRP49993	27	0632	0639	0635	N23	E60	.871	12590	31.8	7	--F				.25				2 1 1 5
TEHR	27	0632	0639	0635	N23	E60	.871	12590	31.8	7	-F	2	C		.25			DE S	
ABST	27	0634	0658	0648	N22	E64	.900	12590	1.1	24	-F		C	0648	.63	1.30		DJK	
GRP49995	27	0800	0826	0811	S15	E08	.365	12584	27.9	26	--F				.55			4 4 3 10	
ISTA	27	0740E	0820	0810	S15	E08	.365	12584	27.9	400	-F							D	
MONT	27	0759	0829	0811	S15	E08	.365	12584	27.9	30	-N		C	0811	.21			D	
BUCA	27	0800	0825		S15	E06	.354	12584	27.8	25	-F		C	0809	.55	.60		D	
ABST	27	0808	0829	0811	S15	E08	.365	12584	27.9	21	-N		C	0811	.90	1.00		D	
GRP49996	27	1354	1401	1356	S14	E05	.334	12584	28.0	7	--F				.30			2 2 2 5	
MEUD	27	1354	1356	1354	S14	E05	.334	12584	28.0	2	-F		C	1354	.41	.40		E	
RAMY	27	1354	1406	1357	S13	E05	.318	12584	28.0	12	-F	4	C		.19			DE	
GRP49997	27	1547	1746	1625	N18	E55	.822	12590	31.8	119	2B				3.74			4 2 2 4	
MEUD	27	1546	15490		N18	E54	.812	12590	31.7	30	-N		C	1548	1.03	1.70		E	
HUAN	27	1547	17320	16140	N18	E55	.822	12590	31.8	1050	2N	1	P	1614	3.09	5.40		U	
RAMY	27	1547	17300	1606	N18	E54	.812	12590	31.7	1030	2B	4	C		4.38			U	
PALE	27	1650E	1747	1655U	N18	E54	.812	12590	31.8	570	1N	2	V		2.27			U	
PALE	27	1709E	1745		N18	E53	.803	12590	31.7	360	1N	2	C					U	
998 PALE	27	2006E	2016	2007U	S14	E01	.324	12584	27.9	100	--N	2	V		.62			DE	
	27	2048	2123															1	
	27	2148	2206																
	27	2222	2238																
	28	0013	0021																
	28	0202	0237																
	28	0239	0340																
	28	0400	0412																
	28	0414	0																

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE		MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.													
GRP50010 RAMY PALE	29	1820	1846	1834	N20	E27	.506	12590	31.8	26	--F				.75				2 2 2 2
	29	1820	1849	1834	N20	E26	.493	12590	31.7	29	-F	4	C		.46				U
	29	1827E	1842	1833	N20	F27	.506	12590	31.8	150	-N	3	V		1.03				U F
GRP50011 RAMY PALE	29	1836	1847	1840	N16	E23	.427	12590	31.5	11	--F				.20				2 2 2 2
	29	1836	1848	1839	N16	E21	.399	12590	31.4	12	-F	3	C		.19				
	29	1840E	1846	1841	N15	E24	.435	12590	31.6	60	-N	3	V		.21				DE
	29	1932	1942	NO FLARE PATROL															
	29	1945	2222	NO FLARE PATROL															
012 VORO	30	0117	0137	0123	S13	W28	.543	12584	28.0	20	-B		C	0123	1.57	1.83		66	EJ 2
013 CRON	30	0441E	0510		N13	E15	.293	12590	31.3	290	--N		V		.83				1
GRP50018 MEUD CATA RAMY ATHN CANR CANR CAPF CANR	30	1439	1518	1449	S16	W34	.635	12584	28.1	39	-N				.81				6 5 5 6
	30	1430	15210		S17	W34	.642	12584	28.1	510	-N		C	1445	.41	.50			
	30	1440	15300	1450	S17	W34	.642	12584	28.1	500	-B	1		1450	.58	.75	(240)		
	30	1440E	16150	1446	S15	W33	.617	12584	28.1	950	-N	4	V		.99				DE
	30	1442E	1500	1445	S16	W33	.624	12584	28.1	180	-N	2	V		.50				DE
	30	1443	14530	1453	S16	W34	.635	12584	28.1	100	-N		V	1453	1.55	1.80			
	30	1443	14530	1447	S13	W34	.617	12584	28.1	100	-F		V		.83	.80			
	30	1500	1510		S13	W37	.653	12584	27.9	10	1N		P	1504	2.89	3.64			
	30	1518	15190	1519	S14	W34	.623	12584	28.1	10	-N		V		.62	.60			
	30	1835	1858	NO FLARE PATROL															
	30	1901	1934	NO FLARE PATROL															
	30	1955	2229	NO FLARE PATROL															
	GRP50019 VORO MITK CRON	30	2344	2349	2345	S15	W40	.697	12584	28.0	5	--N				.44			
30		2343	2348	2344	S17	W40	.707	12584	28.0	5	-B		C	2344	.28	.38		67	E
30		2345	2349	2346	S15	W41	.708	12584	27.9	4	-N		C	2346	.52	.70			E
30		2345E	2350		S13	W38	.664	12584	28.1	50	-F		V		.52				
GRP50020 CRON TEHR	31	0307	0352	0347	N21	E09	.320	12590	31.8	45	--F				.59				2 2 2 3
	31	0307E	0353		N20	E09	.306	12590	31.8	460	-N		V		.93				
	31	0347E	0351	0347U	N22	E09	.335	12590	31.8	40	-F	2	V		.25				F

Note:

A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.

When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

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

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
731001	67.93	22.9	731011	0.00	21.5	731021	2.58	24.0
731002	2.76	23.0	731012	0.00	22.8	731022	7.86	22.0
731003	13.96	23.5	731013	0.00	22.9	731024	18.25	23.6
731004	41.14	24.0	731014	0.00	22.8	731025	1.07	23.8
731005	19.88	24.0	731016	0.00	23.2	731026	10.94	24.0
731006	19.68	21.5	731017	0.00	23.6	731027	73.82	22.9
731007	1.25	20.9	731018	0.00	23.8	731028	52.14	19.3
731008	13.72	21.4	731019	0.00	19.8	731029	0.00	21.0
731010	2.74	24.0	731020	0.00	22.4	731030	18.39	20.5

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 OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCARTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT.	MER. DIST.													
822 MCNT	01	0809	0822	0813	N12	W67	.915	12535	26.3	13	-N	C	0813	.21				D	5
824 CANR	01	1004	1028	1007	N09	W71	.941	12532	26.1	24	-F	V	1007	.72					4
832 KODA	02	0250	0342	0330	S15	E10	.404	12542	2.9	52	-N	V	0330	1.61				CD	3
835 CRON	02	0910E	0925		N10	W82	.988	12532	26.2	150	-N	V		.41					4
843 ISTA	03	0710E	0715		S13	W31	.595	12540	1.0	50	-N							D	6
844 WEND	03	0715	0730		S12	W07	.340	12542	2.8	15	-F								6
GRP49851	04	0911	0934	0916	S15	W45	.761	12540	1.0	23	-N			.11				2 2 2	8
ARCE	04	0910E	0940D		S15	W45	.761	12540	1.0	300	-N	C	0915	.12	.20				
MCNT	04	0912	0928	0916	S14	W44	.746	12540	1.1	16	-N	C	0916	.10					
852 MONT	04	1025	1043	1027	S14	W25	.533	12542	2.6	18	-N	C	1027	.10				D	7
855 CATA	04	1445	1450	1445	S15	W21	.500	12542	3.0	5	-N	3	1445	.29	.33		(151)		4
GRP49864	05	0615	0628	0619	S16	W28	.584	12542	3.2	13	-N			.61				2 2 2	7
MANI	05	0615E	0628	0619	S17	W28	.592	12542	3.2	130	-N	2	0619	.31	.38			H	
ABST	05	0615	0628	0618	S15	W27	.564	12542	3.2	13	-N	C	0618	.90	1.10			D	
GRP49865	05	0707	0716	0711	S16	W52	.831	12540	1.4	9	-N			.40				2 2 2	8
MANI	05	0707E	0715D	0710	S16	W52	.831	12540	1.4	80	-N	2	0710	.52	.88			F	
TEHR	05	0710E	0716	0711U	S16	W52	.831	12540	1.4	60	-N	2	C		.28			F	
867 MCNT	05	1012	1019	1014	S16	W54	.848	12540	1.4	7	-N	C	1014	.41				E	7
869 CATA	05	1350E	1350D	1350	S16	W55	.856	12540	1.5		-N	3	1350	.58	1.12		(166)		7
878 ABST	07	0635	0717	0640	N14	W55	.815	12543	3.1	42	-F	C	0640	.72	1.20		48	0	5
GRP49879	07	0715	0734	0722	N22	W83	.988	12537	1.1	19	-F			.57				2 2 2	6
ABST	07	0714	0725D	0723	N23	W86	.994	12537	30.9	110	1F	P	0723	.81			49	0	
ATHN	07	0715	0734	0720	N20	W80	.980	12537	1.3	19	-F	3	C		.33			DE	
885 ABST	09	0552E	0638	0556	S08	W62	.895	12545	4.6	460	-N	P	0556	.90	1.80		65	DJK	5
889 RAMY	09	1426	1442	1429	S10	W66	.925	12545	4.7	16	-F	3	C		.19			DE	5
890 RAMY	09	1431	1442	1434	S09	W16	.376	12549	8.4	11	-F	4	V		.19			DE	5
891 PALE	09	1658	1712	1703	S08	W69	.941	12545	4.5	14	-N	2	V		.31				3
895 MANI	09	2222E	2235D	2222U	S08	W72	.957	12545	4.5	130	-N	1	2222	.41	.94				3
897 TEHR	10	0551	0605	0556	S10	W61	.890	12545	5.7	14	-N	2	C		.25			DE	5
898 TEHR	10	0621	0632	0626	S10	W61	.890	12545	5.7	11	-N	2	C		.17			DE	6
899 TEHR	10	0718	0738	0722	S10	W61	.890	12545	5.7	20	-F	2	C		.17			DE	8
900 MONT	10	0842	0904	0851	S09	W79	.985	12545	4.4	22	-N	C	0851	.10				D	10
902 MONT	10	1121	1125	1123	S17	W71	.961	12545	5.1	4	-N	C	1123	.41				G	6
907 ISTA	14	0855	0908		N13	W28	.477	12556	12.3	13	-F							D	5
908 RAMY	14	1102	1132	1104	N13	W29	.491	12556	12.3	30	-F	3	C		.56			DE H	4
911 PALE	14	2319E	2322	2319U	S10	W36	.633	12573	12.3	30	-F	3	C		.27				4
912 CATA	15	1330	1345D	1340	N13	W42	.669	12556	12.4	150	-F	1	1340	.29	.39		(148)		5
913 RAMY	15	1609E	1614D	1609U	S04	W32	.551	12571	13.3	50	-F	1	C		.28			DE	4
914 PALE	16	0008	0011D	0009U	N15	W54	.807	12556	12.0	30	-F	2	V		.31				3
915 PALE	16	0050E	0057D	0051U	N14	W50	.764	12556	12.3	70	-F	2	C		.36				4
916 PALE	16	0308E	0312	0309	N15	W55	.816	12556	12.0	40	-F	2	C		.36			F	5
917 PALE	16	0316	0326D	0321	S13	E25	.517	12569	18.0	100	-F	2	C		.36				5
918 PALE	16	1733E	1806	1734	N13	W57	.835	12556	12.5	330	-F	3	V		.41			DE	3
919 PALE	16	1733E	1806	1754	N13	W57	.835	12556	12.5	330	-F	3	V		.41			DE	3

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hq	MAX. INT. %		
921 PALE	16	1919E	1926	1921	N13	W57	.835	12556	12.5	70	-F	3	V		.31				OE	3
923 ATHN	17	0538E	0547D	0540	N11	W65	.898	12556	12.4	90	-F	1	C		.50				OE	6
GRP49924	17	0639	0659	0641	N11	W68	.920	12556	12.2	20	-F				.50				2 2 2 7	
TEHR	17	0637E	0651	0637U	N10	W68	.920	12556	12.2	140	-F	3	V		.33				OE	
ATHN	17	0640	0706	0644	N11	W68	.920	12556	12.2	26	-N	3	C		.66				F	
925 ATHN	17	0731E	0746	0734	N11	W67	.913	12556	12.3	150	-N	3	C		.66				OE	8
926 ARCE	17	0940E	1000D		N13	W53	.789	12556	13.4	200	-B		C	1000	.32	.40				8
927 TEHR	17	1011E	1023	1011U	S06	W50	.788	12557	13.7	120	-F	3	V		.25				OE	7
929 ABST	17	1236E	1254D	1238	N12	W68	.919	12556	12.4	180	1F		P	1238	1.62	3.70			F	5
930 MCMA	17	1351E	1415		N12	W70	.932	12556	12.3	240	-N		P	1351	.41	.90			E	5
931 MITK	18	0106	0118	0107	N11	W78	.975	12556	12.2	12	-N		C	0107	.62				OH	5
932 ABST	18	1237	1254D	1241	N12	W82	.988	12556	12.4	170	1F		P	1241	.90				D	7
935 RAMY	21	1445	1456	1447	S12	E22	.469	12578	23.3	11	-F	4	C		.28				OE	4
949 MONT	23	1052	1108	1057	S14	E57	.864	12584	27.7	16	-F		C	1057	.10					5
950 MONT	23	1137	1141	1139	S13	E60	.886	12584	28.0	4	-N		C	1139	.21					4
951 ATHN	23	1208	1215	1210	S11	E55	.840	12584	27.6	7	-F	2	C		.50				OE	4
952 RAMY	23	1217E	1235D	1220U	S10	E63	.903	12584	28.2	180	-F	4	V		.83				F	4
953 MCMA	23	1430	1436	1432	S12	E56	.851	12584	27.8	6	-F		C	1432	.21	.30			D	5
956 PALE	23	1751E	1801	1752U	S15	E52	.823	12584	27.6	100	-F	3	V		.41				OE	4
957 RAMY	23	1929	1938	1932	S15	E52	.823	12584	27.7	9	-F	4	V		.50				F	3
964 MONT	25	0829	0852	0834	S10	E31	.564	12584	27.7	23	-N		C	0834	.21				D	7
965 CANR	25	0950	1002		N16	E80	.982	12590	31.4	12	-F		V	1000	.52					7
969 RAMY	25	1328E	1340D	1331	N07	W54	.806	12576	21.5	120	-F	4	V		.28					7
977 PALE	26	0016	0025	0018U	N18	E71	.942	12590	31.3	9	-F	3	V		.31					4
978 PALE	26	0217	0226D	0220	S16	E22	.504	12584	27.7	90	-F	3	V		1.24				F	4
980 MANI	26	0823E	0837D	0825U	N15	E70	.936	12590	31.6	140	-N	1		0825	.41	.88				8
994 CATA	27	0735E	0840D	0745	N21	E60	.869	12590	31.8	650	-F	3		0745	.58	1.17	(145)			8
001 ARCE	28	1029	1040	1033	S16	W10	.391	12584	27.7	11	-F		C	1033	.35	.40				6
007 MANI	29	0728	0739	0733	S16	W16	.439	12584	28.1	11	-N	2		0733	.31	.34				7
008 MONT	29	0931	0942	0935	S10	W21	.432	12584	27.8	11	-N		C	0935	.10				D	5
014 MONT	30	0844	0857	0847	N12	E02	.133	12589	30.5	13	-F		C	0847	.21					9
015 MONT	30	0920	0941	0925	N14	E12	.261	12590	31.3	21	-F		C	0925	.05					9
GRP50016	30	1107	1123	1111	N16	E11	.271	12590	31.3	16	-F				.43				2 2 2 8	
MEUD	30	1107	1123	1111	N15	E11	.259	12590	31.3	16	-F		C	1111	.72	.70			E	
TEHR	30	1110E	1113D	1111U	N16	E11	.271	12590	31.3	30	-F	2	C		.13				OE	
017 MEUD	30	1134	1136	1134	S15	W32	.606	12584	28.1	2	-F		C	1134	.31	.40				8

A = Eruptive prominence whose base is less than 90° from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in the neighborhood.
 H = Flare accompanied by a high speed dark filament.
 I = Active region very extended.
 J = Distinct variations of plage intensity before or after the flare.
 K = Several intensity maxima.
 L = Existing filaments show signs of sudden activity.
 M = White-light flare.

N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H and K.
 P = Flare shows helium D₃ in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in H α line suggests ejection of high velocity material.
 S = Brightness follows disappearance of filament (same position).
 T = Region active all day.
 U = Two bright branches, parallel (||) or converging (Y).
 V = Occurrence of an explosive phase: important and abrupt expansion in about a minute with or without important intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H α line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.