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Nov 72

SOLAR FLARES Confirmed

NOVEMBER 1972

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE NOV	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT.	MER. DIST.													
755 CULG	01	0135E	0155		S12	W65	.918	12090	27.2	20D	1F	P	0135	2.06	4.00			3	
GRP46756	01	0237	0252	0243	S08	W34	.589	12094	29.6	15	-N			1.24				2 2 2 3	
MITK	01	0237	0252	0242	S08	W33	.576	12094	29.6	15	-N	C	0242	1.55	1.90			D	
MANI	01	0240E	0252	0243	S07	W34	.585	12094	29.6	12D	-N	1	0243	.93	1.16				
GRP46758	01	0801	0817	0804	S09	W36	.620	12094	29.6	16	--N			.90				5 5 4 9	
ABST	01	0754	0814	0802	S08	W36	.616	12094	29.6	20	1F	C	0802	2.25	2.80			EJ	
ISTA	01	0800	0815		S08	W37	.628	12094	29.6	15	-N								
CAPS	01	0801E	0816D		S09	W36	.620	12094	29.6	15D	-N	V	0807	.30	.40		(176)	C	
CATA	01	0805	0820	0805	S08	W37	.628	12094	29.6	15	-N	2	P 0805	.58	.74		(186)		
ARCE	01	0805E	0820D		S07	W36	.611	12094	29.6	15D	-N	C	0810	.34	.40				
ARCE	01	0810E	0810D		S16	W34	.634	12094	29.8		-B	C	0810	.12	.20				
GRP46760	01	0903	0913	0908	S15	W34	.628	12094	29.8	10	--N			.48				4 4 3 8	
ISTA	01	0900	0915		S16	W35	.645	12094	29.8	15	-N							E	
ARCE	01	0905E	0915D		S16	W34	.634	12094	29.8	10D	-N	C	0908	.37	.50				
CATA	01	0905	0905	0905	S14	W35	.633	12094	29.8		-N	3	P 0905	.58	.74		(178)		
TEHR	01	0910E	0918	0910U	S15	W31	.592	12094	30.1	8D	-N	3	V	.50				F	
GRP46763	01	1307	1320	1310	S08	W39	.654	12094	29.6	13	-N			.74				5 4 3 7	
HUAN	01	1305	1318	1306U	S08	W39	.654	12094	29.6	13	-N	1	C 1318						
CATA	01	1305	1320	1305	S07	W40	.663	12094	29.5	15	-N	3	C 1305	.87	1.16		(200)		
TEHR	01	1308E	1318	1310	S07	W36	.611	12094	29.8	10D	-N	2	V	.66				F	
WEND	01	1308	1321		S08	W41	.679	12094	29.5	13	-N								
CAPS	01	1310E	1317D		S09	W38	.645	12094	29.7	7D	-N	V	1311	.70	1.00		(170)		
	01	1645	1656		NO FLARE PATROL														
	01	1750	1758		NO FLARE PATROL														
GRP46764	01	1913	1933	1916	S07	E48	.757	272	5.4	20	--B			.29				2 2 2 2	
PALE	01	1913E	1934	1915	S06	E47	.744	272	5.3	21D	-B	2	V	.36				F	
RAMY	01	1915E	1932	1916U	S07	E48	.757	272	5.4	17D	-N	1	V	.21				DE	
765 PALE	01	2110E	2124	2112	S08	W38	.641	12094	30.0	14D	--N	2	V	.72				F 1	
	01	2204	2223		NO FLARE PATROL														
GRP46769	02	0834	0847	0836	S10	W46	.743	12094	29.9	13	--N			.69				5 5 5 11	
MONT	02	0832	0845	0836	S10	W44	.721	12094	30.1	13	-B	C	0836	.52					
CAPP	02	0832E	0840		S10	W45	.732	12094	30.0	8D	1N	P	0834	1.65	2.40				
ARCE	02	0835E	0850D	0837	S11	W46	.746	12094	29.9	15D	-N	C	0837	.31	.50				
CATA	02	0835	0855	0835	S09	W46	.740	12094	29.9	20	-B	3	C 0835	.58	.86		(251)		
CANR	02	0835	0845		S12	W50	.791	12094	29.6	10	-F	2	V 0836	.40	.60				
GRP46771	02	0956	1023	1002	S10	W12	.320	12101	1.5	27	--F			1.37				8 8 8 9	
CATA	02	0955	1035	1000	S09	W13	.318	12101	1.4	40	-F	3	C 1000	1.44	1.52		(141)		
ARCE	02	0955E	1000D		S10	W12	.320	12101	1.5	5D	-N	C	1000	.72	.80				
ATHN	02	0956E	1019	0958	S09	W13	.318	12101	1.4	23D	-F	2	V	.66				DE	
MONT	02	0956	1027	1004	S10	W13	.330	12101	1.4	31	-N	C	1004	1.13					
CAPS	02	0957	1024D		S10	W10	.299	12101	1.7	27D	-F	V	1002	1.20	1.20		(147)		
CRON	02	0958	1010		S10	W13	.330	12101	1.4	12	-F	2	V	.70					
TEHR	02	1002E	1020	1005	S10	W10	.299	12101	1.7	18D	-N	2	V	.99				DE	
WEND	02	1003E	1024		S11	W13	.343	12101	1.4	21D	1N	P		4.13					
GRP46775	02	1155	1219	1200	S10	W46	.743	12094	30.0	24	--F			.88				4 4 4 9	
TEHR	02	1152	1212	1201	S12	W43	.716	12094	30.3	20	-N	2	V	.99				F	
CATA	02	1155	1225	1200	S06	W46	.732	12094	30.0	30	-N	3	P 1200	.87	1.27		(178)		
ATHN	02	1155E	1210D	1158	S10	W50	.786	12094	29.7	15D	-F	2	V	.66				DE	
RAMY	02	1156	1220	1201	S10	W46	.743	12094	30.0	24	-F	3	V	.99				DE	
GRP46776	02	1236	1302	1243	S10	W45	.732	12094	30.2	26	-F			1.09				4 4 3 7	
CATA	02	1235	1315	1245	S09	W46	.740	12094	30.1	40	1N	C	1245	1.44	2.15		(178)		
HUAN	02	1237	1249		S09	W43	.706	12094	30.3	12	-F	1	C 1240					E	
ATHN	02	1241E	1245D	1241U	S09	W48	.762	12094	29.9	4D	-F	2	V	.83				DE	
CAPS	02	1242E	1302D		S12	W43	.716	12094	30.3	20D	-N	V	1243	1.00	1.40		(164)		
777 HUAN	02	1357	1402	1400	S07	W53	.810	12094	29.6	5	-F	1	C					8	
	02	1544	1616		NO FLARE PATROL														
	02	1655	1656		NO FLARE PATROL														
	02	1951	2113		NO FLARE PATROL														
	02	2121	2131		NO FLARE PATROL														
	02	2359	0000		NO FLARE PATROL														

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 NOV	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCNATH FLARE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
781 MANI	03	0121E	0126	0122	S12	W56	.848	12094	29.9	50	--F	2	0122	.31	.54			2	
782 MANI	03	0213E	0244	0215	S11	W21	.436	12101	1.5	310	--F	2	0215	.41	.46			2	
GRP46785	03	1244	1321	1250	S13	W62	.898	12094	29.9	37	1B			1.44				5 5 5 6	
MCMA	03	1242	13110	1248	S13	W60	.883	12094	30.0	290	1B	C	1248	1.03	2.40			E	
ATHN	03	1243E	1318	1248	S12	W65	.918	12094	29.7	350	-B	1	1248	1.02	1.67				
CATA	03	1245	1330	1250	S11	W61	.888	12094	30.0	45	1B	3 C	1250	1.73	3.77		(275)		
CANR	03	1245E	1316	1255U	S13	W65	.919	12094	29.7	310	1N	2 C	1255	1.94					
CAPS	03	1250E	13210		S17	W60	.890	12094	30.0	310	1B	V	1253	1.50	3.00		(370)		
	03	1527	1649	NO FLARE PATROL															
GRP46786	03	1619	1624	1619	S17	W75	.969	12106	29.4	5	--N			.38				2 2 2 4	
BOUL	03	1619E	1624	1619U	S17	W65	.924	12106	29.8	50	-F	2 V	1619	.20	.40				
VORO	04	0134	0142	0135	S10	W75	.970	12106	29.4	8	-B	C	0135	.46	1.45		66	EJ	
	03	1748	1844	NO FLARE PATROL															
	04	1854	2123	NO FLARE PATROL															
789 ATHN	05	0629	0731	0633	S14	W90	1.000	12094	29.5	62	-N	1 C						DE	3
790 ATHN	05	0641	0713	0646	S05	W60	.871	12106	31.8	32	-N	1 C		.50				DE	3
GRP46792	05	0955	1013	(1003)	S05	W63	.895	12106	31.7	18	--F			1.16				3 2 1 8	
ISTA	05	0955	1010		S04	W62	.887	12106	31.8	15	-F							D	
ONDR	05	1001E	10150		S05	W64	.903	12106	31.6	140	1N	V	1003			2.70		C	
CATA	05	1015	1025	1015	S03	W63	.894	12106	31.7	10	1N	1 P	1015	1.16	2.58		(162)		
GRP46794	05	1700	1728	1704	S04	W66	.917	12106	31.8	28	-N							2 1 0 2	
HUAN	05	1700	1727	1704	S04	W66	.917	12106	31.8	27	-N	1 C	1704					E	
PALE	05	1716E	17290		S03	W66	.916	12106	31.8	130	-N	1 V						F	
	05	1830	1904	NO FLARE PATROL															
	05	1926	1955	NO FLARE PATROL															
795 PALE	06	0247E	03150	0248U	S10	W50	.785	12099	2.4	280	--F	2 V		.67				F	1
	06	0458	0505	NO FLARE PATROL															
	06	1927	1929	NO FLARE PATROL															
	06	1936	2010	NO FLARE PATROL															
	07	2115	2138	NO FLARE PATROL															
	07	2207	2213	NO FLARE PATROL															
	08	0214	0220	NO FLARE PATROL															
	08	0231	0241	NO FLARE PATROL															
GRP46797	08	0455	0524	0458	S12	W61	.888	12105	3.6	29	--F			.37				2 2 2 3	
MANI	08	0455E	0524	0458	S11	W61	.886	12105	3.6	290	-N	1	0458	.41	.79				
TEHR	08	0457E	05150	0457U	S12	W60	.880	12105	3.7	180	-F	4 C		.33				F	
	09	2021	2036	NO FLARE PATROL															
	09	2042	2048	NO FLARE PATROL															
	09	2132	2135	NO FLARE PATROL															
	09	2155	2235	NO FLARE PATROL															
	09	2254	2255	NO FLARE PATROL															
	10	1524	1547	NO FLARE PATROL															
	10	1643	1655	NO FLARE PATROL															
	10	2040	2047	NO FLARE PATROL															
	10	2110	2230	NO FLARE PATROL															
	11	1642	2300	NO FLARE PATROL															
806 TEHR	12	0539E	0547	0540U	N04	W65	.905	284	7.4	80	--F	3 C		.64				F	3

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	DATE NOV	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT.	MER. DIST.													
GRP46807	12	0845	0905	0845	N20	W80	.983	12104	6.4	20	-F							3 2 1 7	
ARCE	12	0835E	0900D		N16	W80	.983	12104	6.4	25D	-N	C	0859	.28					
CATA	12	0845	0905	0845	N20	W80	.983	12104	6.4	20	1F	2 C	0845	.87			(138)		
ISTA	12	0845	0904		N19	W79	.980	12104	6.4	19	-N							D	
810 HUAN	12	1642	1647	1643	N04	W74	.960	284	7.1	5	--F	1 C	1643	.21				3	
	12	1751	1807		NO FLARE PATROL														
	12	2043	2047		NO FLARE PATROL														
	12	2053	2111		NO FLARE PATROL														
	12	2116	2126		NO FLARE PATROL														
	12	2128	2143		NO FLARE PATROL														
	12	2235	2241		NO FLARE PATROL														
	13	2136	2213		NO FLARE PATROL														
	14	0302	0308		NO FLARE PATROL														
	14	1943	1948		NO FLARE PATROL														
	14	2018	2026		NO FLARE PATROL														
	14	2028	2033		NO FLARE PATROL														
	14	2051	2104		NO FLARE PATROL														
	14	2225	2235		NO FLARE PATROL														
8 STATIONS REPORTING GROUP 46812.					3 STATIONS OBSERVING AND NOT REPORTING.														
GRP46812	15	1210	1243	1217	S14	E43	.717	12114	18.7	33	-N			.91				7 7 6 11	
ISTA	15	1205	1245		S09	E44	.712	12114	18.8	40	-N								
RAMY	15	1206	1254	1215	S14	E40	.683	12114	18.5	48	-N	3 C		1.11				DE	
ATHN	15	1209E	1251	1209U	S16	E44	.736	12114	18.8	42D	-N	3 V		.83				DE	
CATA	15	1210	1250	1220	S16	E42	.714	12114	18.7	40	-B	3 C	1220	1.16	1.65		(204)		
HUAN	15	1212E	1252		S15	E43	.721	12114	18.7	40D	-N	1 P	1218	.52	.73			E	
CANR	15	1212E	1227	1215	S12	E43	.710	12114	18.7	15D	-F	3 V	1212	1.20	1.60				
MEUD	15	1217	1223	1218	S15	E44	.732	12114	18.8	6	-F	C	1218	.62	.90				
46812	15	1210	1245	(1234)	S14	E40	.683	12114	18.5	35	*-F			1.20				2 2 1 8	
ISTA	15	1210	1235		S13	E37	.643	12114	18.3	25	-F							E	
CAPS	15	1224E	1255D		S15	E43	.721	12114	18.7	31D	-F	V	1234	1.20	1.70		(158)		
	15	1648	1657		NO FLARE PATROL														
	15	1714	1719		NO FLARE PATROL														
GRP46815	16	0903	0928	0910	S19	E32	.619	12114	18.8	25	--N			.75				3 3 3 5	
ARCE	16	0901E	0925D		S18	E33	.623	12114	18.9	24D	-N	C	0903	.63	.80				
ATHN	16	0903	0939	0906	S20	E32	.626	12114	18.8	36	-F	2 C		.99				F	
CATA	16	0905	0920	0910	S20	E32	.626	12114	18.8	15	-N	2 P	0910	.29	.37		(182)		
ATHN	16	0910E	0944	0910U	S20	E33	.637	12114	18.9	34D	-F	3 V		1.32				DE	
819 RAMY	17	1857E	1912	1857U	S08	E78	.980	12116	23.6	15D	--F	2 C		.28				DE	
	17	1942	1946		NO FLARE PATROL														
	17	1954	2153		NO FLARE PATROL														
	17	2203	2220		NO FLARE PATROL														
	17	2225	2227		NO FLARE PATROL														
GRP46821	18	1152	1218	1156	S11	E65	.914	12116	23.4	26	-N			.84				6 5 5 7	
RAMY	18	1148	1217	1154	S10	E65	.913	12116	23.4	29	-N	3 C		.56				DE	
TEHR	18	1149	1213	1155	S10	E64	.906	12116	23.3	24	-F	3 C		1.00				F	
ATHN	18	1152E	1216D	1152U	S11	E66	.921	12116	23.4	24D	-N	2 C		1.16				DE	
CATA	18	1155	1225	1200	S12	E65	.915	12116	23.4	30	1N	3 C	1200	.87	2.15		(174)		
CANR	18	1155	1220	1200	S11	E66	.921	12116	23.4	25	-F	3 V		.60					
HUAN	18	1206E	1226		S12	E67	.928	12116	23.5	20D	-F	1 P	1209						
GRP46822	18	1350	1405	1354	N05	W09	.162	12112	17.9	15	--F			.20				2 2 2 4	
RAMY	18	1350	1405	1354	N05	W09	.162	12112	17.9	15	-F	4 C		.23				DE	
ATHN	18	1354E	1405	1354U	N05	W08	.145	12112	18.0	11D	-F	1 C		.17				DE	

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	DATE NOV	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.												
GRP46852	22	0758	0824	0801	S07	W03	.165	12115	22.1	26	-B						5 5 5 6	
CRCN	22	0756	0817	0802	S06	W04	.156	12115	22.0	21	-F	1 C	0802	.75	.75			
TEHR	22	0757	0832	0801	S07	W03	.165	12115	22.1	35	1B	1 C		2.56			F H	
CANR	22	0757	0823	0801U	S07	W03	.165	12115	22.1	26	-B	3 V	0801	1.40	1.40			
ATHN	22	0758E	0824	0802	S07	W03	.165	12115	22.1	26D	-B	2 C		1.32			F H	
CATA	22	0800	0825	0800	S06	W04	.156	12115	22.0	25	-B		0800	1.73	1.75	(363)		
GRP46854	22	0932	1001	0935	S13	E52	.806	12118	26.3	29	1B			2.11			4 4 4 6	
TEHR	22	0931	0957	0936	S16	E53	.823	12118	26.4	26	1B	4 V		3.63			DE	
ATHN	22	0931	1003	0937	S15	E53	.820	12118	26.4	32	1N	2 C		2.15			F	
CANR	22	0931	0959	0933	S13	E50	.786	12118	26.1	28	-B	3 V	0933	1.20	1.80			
CATA	22	0935	1005	0935	S06	E51	.783	12118	26.2	30	1B	3 C	0935	1.44	2.32	(251)		
GRP46855	22	1003	1024	1010	S06	W04	.156	12115	22.1	21	-N			.92			5 5 5 5	
TEHR	22	0958	1006	1002	S07	W03	.165	12115	22.2	8	-N	4 V		1.65			F H	
ATHN	22	0959	1028	1003	S06	W04	.156	12115	22.1	29	-N	2		.33			DE H	
CANR	22	1005	1030	1011	S07	W02	.161	12115	22.3	25	-B	3 V	1011	.80	.80			
CATA	22	1010	1030	1015	S06	W05	.164	12115	22.0	20	-B	3 C	1015	.87	.88	(209)		
KODA	22	1017	1025	1017	S06	W04	.156	12115	22.1	8	-N	V	1019	.97	.97	2.12	E	
GRP46855	22	1207	1232	1209	S06	W06	.174	12115	22.1	25	--B			.80			3 3 3 5	
CANR	22	1206	1229	1210	S07	W07	.198	12115	22.0	23	-B	3 V	1210	.80	.80			
RAMY	22	1206E	1233	1206	S05	W05	.150	12115	22.1	27D	-N	3 C		.74			DE	
CATA	22	1210	1235	1210	S06	W07	.185	12115	22.0	25	-B	3 C	1210	.87	.88	(209)		
GRP46858	22	1418	1443	1425	S06	W07	.185	12115	22.1	25	--N			.71			4 4 4 5	
CATA	22	1415	1435	1425	S06	W08	.196	12115	22.0	20	-N	2 P	1425	.58	.59	(170)		
RAMY	22	1417	1449	1421	S05	W06	.161	12115	22.1	32	-N	3 C		.74			DE	
CANR	22	1420	1440		S07	W07	.198	12115	22.1	20	-N	2 V	1423	1.20	1.20			
BOUL	22	1421	1448	1430	S06	W06	.174	12115	22.1	27	-F	2 C	1430	.32	.32			
GRP46859	22	1633	1658	1638	S07	W09	.220	12115	22.0	25	--N			.91			4 4 4 4	
MCMA	22	1613E	1630D	1617	S08	W10	.244	12115	21.9	17D	-F	C	1617	.41	.40		E	
BOUL	22	1630	1645D	1637	S06	W09	.209	12115	22.0	15D	-N	2 C	1637	.86	.86			
RAMY	22	1630	1655D	1637U	S07	W06	.188	12115	22.2	25D	-N	3 V		.66			DE	
MCMA	22	1633E	1705	1637	S08	W10	.244	12115	21.9	32D	-N	C	1637	.52	.50		E	
CANR	22	1638	1654	1641	S07	W09	.220	12115	22.0	16	-N	2 V	1641	1.60	1.70			
GRP46860	22	1911	1937	1917	S07	W10	.233	12115	22.0	26	-B			1.42			4 4 4 4	
RAMY	22	1911	1927D	1916	S06	W08	.196	12115	22.2	16D	-B	3 V		.99			DE	
BOUL	22	1911	1932	1917	S07	W08	.209	12115	22.2	21	-N	2 C	1917	1.61	1.62			
MCMA	22	1912	1940	1916	S09	W12	.280	12115	21.9	28	-B	C	1916	1.03	1.00		E	
PALE	22	1913E	1938	1920	S04	W12	.232	12115	21.9	25D	1B	2 V		2.06			F U	
861 PALE	22	2138E	2146	2140	S05	W11	.226	12115	22.1	8D	--N	3 V		.21			2	
862 BOUL	22	2150	2205	2150	S01	E57	.839	12126	27.2	15	--F	3 V	2150	.10	.20		2	
863 BOUL	22	2150	2200	2150U	S07	E32	.547	12118	25.3	10	--F	3 V	2150	.12	.20		2	
	22	2232	2240	NO FLARE PATROL														
GRP46864	23	0200	0230	0204	S07	W13	.271	12115	22.1	30	-B			1.16			4 4 4 5	
MANI	23	0157	0231	0203	S08	W13	.281	12115	22.1	34	-B	2	0203	1.55	1.62			
PALE	23	0201E	0213D	0203	S06	W14	.277	12115	22.0	12D	-N	2 V		.93			UDE	
CRON	23	0202	0225	0206	S07	W13	.271	12115	22.1	23	-N	3 V	0206	.70				
MITK	23	0204E	0235		S07	W13	.271	12115	22.1	31D	-B	C	0204	1.44	1.50		E	
GRP46869	23	0754	0821	0758	S15	W54	.829	12114	19.3	27	-N			1.08			5 5 5 6	
TACH	23	0748	0811D	0755	S14	W53	.818	12114	19.3	23D	1F	C	0755	1.45	2.57	2.25	48	
CATA	23	0750	0840	0805	S13	W53	.816	12114	19.4	50	1N	3 C	0805	1.16	2.00	(195)	E	
ATHN	23	0751E	0813D	0752	S14	W53	.818	12114	19.4	22D	-N	2 C		.66			DE	
TEHR	23	0753E	0826	0757	S16	W55	.840	12114	19.2	33D	-N	2 V		1.32			F	
CATA	23	0755	0820	0755	S16	W52	.813	12114	19.4	25	-N	3 C	0755	.29	.47	(158)		
CANR	23	0801	0817	0801	S16	W58	.866	12114	19.0	16	-N	2 V	0805	.80	1.50			
GRP46870	23	0919	0925	0921	S06	W14	.277	12115	22.3	6	--F			.50			2 2 1 4	
TEHR	23	0918	0923	0921	S06	W12	.248	12115	22.5	5	-F	2 V		.50			DE	
ISTA	23	0919	0926		S06	W15	.291	12115	22.3	7	-F						E	
GRP46871	23	1205	1212	1205	S06	W19	.351	12115	22.1	7	--N			.40			2 2 2 4	
ATHN	23	1204E	1209	1204U	S06	W19	.351	12115	22.1	5D	-N	2 V		.50			DE	
CATA	23	1205	1215	1205	S05	W19	.345	12115	22.1	10	-N	3 C	1205	.29	.30	(200)		
GRP46872	23	1206	1231	1213	S11	E28	.510	12118	25.6	25	--F			.91			2 2 2 4	
CATA	23	1200	1235	1210	S12	E27	.503	12118	25.5	35	-N	3 C	1210	1.44	1.67	(162)		
RAMY	23	1212	1227	1216	S09	E28	.499	12118	25.6	15	-F	2 C		.37			DE	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS					
	DATE NOV	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %				
					LAT.	MER. DIST.																
906 RAMY	26	1440	1506	1445	N15	W24	.458	12124	24.8	26	--F	3	C		.28				DE	4		
907 RAMY	26	1530	1538	1531	N15	W29	.524	12124	24.5	8	--F	3	C		.19				DE	2		
908 PALE	26	1907	1913	1909	S05	W59	.860	12115	22.4	6	--N	2	V		.52					2		
	26	2257	2346	NO FLARE PATROL																		
	26	2348	2353	NO FLARE PATROL																		
910 RAMY	27	1537	1546	1540	S05	W77	.975	12115	21.9	9	--F	3	C		.19				DE	1		
GRP46911	27	1829	1840	1833	S03	W05	.116	12126	27.4	11	--F				.49				2	2	2	2
RAMY	27	1829	1839	1833	S04	W06	.140	12126	27.3	10	-F	3	C		.56				F			
PALE	27	1832E	1841	1833	S01	W03	.067	12126	27.5	9D	-N	2	V		.41				F			
GRP46912	27	1917	1937	1921	S11	W33	.575	12118	25.3	20	-N				1.39				2	1	1	2
RAMY	27	1917	1937D	1921	S11	W33	.575	12118	25.3	20D	-N	3	C		1.39				F			
PALE	27	1930E	1933D	1930U	S08	W23	.419	12118	26.1	3D	-N	2	V		.52				F			
	27	1937	1958	NO FLARE PATROL																		
	27	2027	2110	NO FLARE PATROL																		
GRP46915	28	0355	0426	0403	S08	W80	.986	12115	22.2	31	1N				1.06				5	3	3	6
MANI	28	0321	0405	0332	S08	W80	.986	12115	22.1	44	-N	2		0332	.52	1.33						
CRON	28	0350	0430	0407	S08	W81	.988	12115	22.1	40	1N	2	V	0407	.70							
CULG	28	0358	0420	0401	S08	W80	.986	12115	22.2	22	1N	C		0401	1.24							
MITK	28	0358	0429	0402	S07	W80	.986	12115	22.2	31	1N	C		0402	1.24				EH			
TEHR	28	0412	0432	0416	S07	W86	.998	12115	21.7	20	1N	2	C		1.09				F			
	28	1708	1802	NO FLARE PATROL																		
	28	1831	1837	NO FLARE PATROL																		
	28	1842	1925	NO FLARE PATROL																		
	28	1935	1946	NO FLARE PATROL																		
	28	2000	2008	NO FLARE PATROL																		
	28	2144	2154	NO FLARE PATROL																		
GRP46917	29	0146	0201	0151	S03	W21	.365	12126	27.5	15	-N				.82				3	3	3	6
MANI	29	0145E	0158	0149	S02	W21	.362	12126	27.5	13D	-N	1		0149	.72	.77						
MITK	29	0147	0201	0148	S05	W20	.357	12126	27.6	14	-N	C		0148	1.34	1.40			D			
PALE	29	0153E	0205	0155U	S02	W22	.378	12126	27.4	12D	-F	2	V		.41				F			
	29	0450	0525	NO FLARE PATROL																		
	29	0535	0554	NO FLARE PATROL																		
GRP46919	29	1915	1922	1916	S16	W17	.407	12126	28.5	7	--N				.37				3	3	3	3
RAMY	29	1914	1923	1916	S16	W16	.396	12126	28.6	9	-N	3	C		.37				DE			
MCHA	29	1915	1921	1916	S16	W20	.441	12126	28.3	6	-N	C		1916	.21	.20			D			
PALE	29	1916E	1923	1917	S15	W15	.374	12126	28.7	7D	-N	3	V		.52				F			
	29	2216	2222	NO FLARE PATROL																		
	30	0112	0135	NO FLARE PATROL																		
	30	0140	0145	NO FLARE PATROL																		
GRP46920	30	0741	0753	0745	S17	W24	.496	12126	28.5	12	--F				.33				2	2	1	4
ISTA	30	0740	0752		S17	W24	.496	12126	28.5	12	-N											
ATHN	30	0742	0753	0745	S17	W23	.484	12126	28.6	11	-F	1	C		.33				DE			
GRP46922	30	0951	1006	0954	S17	W25	.508	12126	28.5	15	--N				.65				4	4	4	4
ATHN	30	0949	1009	0953	S17	W25	.508	12126	28.5	20	-N	1	C		.50				DE			
UPIK	30	0950	1003	0951	S17	W25	.508	12126	28.5	13	-N	P		0951	.63				K			
CRON	30	0951	1003	0952	S17	W24	.496	12126	28.6	12	-N	2	V		.45							
CANR	30	0955	1010D	1000	S16	W26	.512	12126	28.5	15D	-F	1	V	1000	1.00	1.00						
GRP46924	30	1335	1353	1338	S16	W26	.512	12126	28.6	18	--N				.46				3	3	3	5
ATHN	30	1335	1356	1340	S17	W26	.520	12126	28.6	21	-F	1	C		.66				F			
RAMY	30	1335	1353	1336	S16	W26	.512	12126	28.6	18	-N	4	V		.33							
CANR	30	1335	1350	1337	S16	W26	.512	12126	28.6	15	-N	2	V	1337	.40	.40			DE			

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE NOV	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %	
757 CRON	01	0641	0702		S12	W54	.830	12090	28.2	21	-N	3	V	0645	.90				2
759 ARCE	01	0827E	0855D		S12	W32	.585	12094	30.0	28D	-B		C	0838	.15	.20			7
761 ARCE	01	0935E	0945D		S16	W35	.645	12094	29.8	10D	-N		C	0935	.34	.40			7
762 TEHR	01	1229	1247	1232	S14	W33	.609	12094	30.0	18	-F	3	V		.66			F	5
766 MANI	02	0650E	0712	0656	S11	W43	.713	12094	30.1	22D	-F	1		0656	.62	.89			3
767 MANI	02	0655	0712	0703	S15	W45	.750	12094	29.9	17	-F	1		0703	.62	.94			4
GRP46768	02	0810	0820	0814	S11	W43	.713	12094	30.1	10	-N				.53			2 2 2	12
MONT	02	0810	0820	0814	S10	W44	.721	12094	30.0	10	-N		C	0814	.72				
TEHR	02	0813E	0819	0813U	S12	W41	.693	12094	30.3	6D	-N	4	V		.33			F	
GRP46770	02	0942	0948	0944	S10	W45	.732	12094	30.0	6	-N				.43			2 2 2	8
TEHR	02	0941	0949	0944	S10	W46	.743	12094	30.0	8	-N	1	V		.33			DE	
MONT	02	0942	0947	0943	S10	W44	.721	12094	30.1	5	-N		C	0943	.52				
772 CANR	02	1002	1009		S10	E12	.320	12105	3.3	7	-F	1	V	1009	.40	.40			10
773 MONT	02	1129	1132	1131	S16	W50	.803	12094	29.7	3	-N		C	1131	.41			H	6
774 MONT	02	1129	1136	1132	S07	W52	.800	12094	29.6	7	-N		C	1132	.41				6
778 HUAN	02	1440	1450		S07	W53	.810	12094	29.6	10	-F	1	C	1446					7
779 MANI	02	2231E	2243	2231	S10	W51	.796	12094	30.1	12D	-N	1		2231	.83	1.31			3
780 MANI	02	2325E	2336	2326	S11	W55	.837	12094	29.9	11D	-N	2		2326	.41	.72			3
783 ATHN	03	0555E	0613	0557	S08	W64	.906	12094	29.4	18D	-F	1		0557	.34	.55			4
GRP46784	03	1136	1146	1138	S08	W16	.343	12099	2.3	10	-F				.43			2 2 2	6
MONT	03	1136	1148	1138	S08	W15	.331	12099	2.4	12	-N		C	1138	.52				
ATHN	03	1137E	1144	1137	S07	W17	.347	12099	2.2	7D	-F	1		1137	.34	.33			
787 MANI	04	0134E	0146	0136	S08	W75	.969	12094	29.4	12D	-F	2		0136	.31	.73			4
788 HUAN	04	1357	1420		S05	W52	.796	12106	31.7	23	-F	1	C	1358	.21	.34			6
791 ARCE	05	0915E	0930D		S05	W62	.888	12106	31.7	15D	-N		C	0925	.46	1.00			8
GRP46793	05	1146	1200	1150	S04	W64	.902	12106	31.7	14	-F				.48			2 2 2	6
RAMY	05	1145	1200D	1150	S03	W63	.894	12106	31.8	15D	-N	2	V		.46			DE	
ATHN	05	1147E	1202	1150	S04	W64	.902	12106	31.7	15D	-F	2	V		.50			DE	
ATHN	05	1147	1159	1150	S04	W64	.902	12106	31.7	12	-F	1	C		.33			DE	
796 MONT	06	0818E	0821	0819	S04	W76	.972	12106	31.6	3D	-N		C	0819	.41				9
798 TEHR	08	0632	0650	0637	S12	W61	.888	12105	3.7	18	-F	4	C		.17			DE	5
799 CATA	08	1200	1235	1205	S11	W65	.916	12105	3.6	35	-N	2	C	1205	.29	.72	(155)		5
800 ATHN	09	1011E	1024	1012	S10	W76	.974	12105	3.7	13D	-F	3	V		.33			DE	4
801 MONT	09	1216	1222	1220	N05	W29	.484	284	7.3	6	-N		C	1220	.41			H	8
802 ATHN	09	1241	1251	1242	S15	W81	.991	12105	3.5	10	-F	2	C		.33			DE	5
803 ABST	10	0557E	0616D	0557	N05	W42	.668	284	7.1	19D	-F		P	0557	1.44	1.90		BE	3
804 ATHN	10	0857	0904	0900	N05	W43	.681	284	7.1	7	-F	2	C		.17			DE	7
805 TEHR	11	0500	0515	0504	N04	W50	.765	284	7.5	15	-F	3	V		.25			Z	5
808 ISTA	12	0857	0902		N06	W68	.926	284	7.3	5	-F							D	7
809 HUAN	12	1202	1207	1203U	N17	W85	.995	12104	6.1	5	-F	1	C	1203					6
811 HUAN	14	1243	1247	1244	S16	E51	.808	12114	18.4	4	-F	1	C	1244	.10	.17		D	7
GRP46813	16	0239	0250	0241	S12	E31	.561	12114	18.4	11	-F				.39			2 2 2	6
MANI	16	0239E	0248	0241	S12	E31	.561	12114	18.4	9D	-F	1		0241	.41	.50			
PALE	16	0239E	0251	0241U	S12	E30	.549	12114	18.4	12D	-F	2	V		.36			F	
814 ARCE	16	0901E	0915D		S13	E26	.504	12114	18.3	14D	-F		C	0903	.15	.20			7

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS					
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %						
816	ATHN	16	0913	0931	0917	S13	E90	1.000	12116	23.1	18	-F	2	C						DE	5		
817	TEHR	17	0900	0906	0902	S10	E86	.998	12116	23.8	6	-N	3	C		.28				F	5		
818	ATHN	17	1242	1255	1245	S08	E88	1.000	12116	24.1	13	-N	2	C						DE	4		
820	PALE	17	2229E	2235	2230U	S07	E76	.972	12116	23.6	6D	-F	3	V		.52				F	4		
823	ISTA	19	0730	0814		S17	W01	.333	12114	19.2	44	-F									4		
GRP46824	ISTA	19	0905	0917	0909	S12	E90	1.000	12118	26.1	12	-N								2	2	0	8
	ISTA	19	0905	0913		S10	E90	1.000	12118	26.1	8	-N											
	ATHN	19	0908E	0920	0909	S13	E90	1.000	12118	26.1	12D	-N	2	V						DE			
833	MANI	19	2358E	0014	2358	S08	E31	.539	12115	22.3	16D	-N	1		2358	.41	.50					3	
839	PALE	21	0142E	0202	0143U	S14	W22	.456	12114	19.4	20D	-N	2	V		.57				F	5		
840	ARCE	21	0915E	0919D		S17	W36	.647	12114	18.7	4D	-F		C	0915	.12	.20					5	
850	TEHR	22	0418	0430	0420	S17	W51	.807	12114	18.4	12	-N	2	C		.45				DE	6		
853	TEHR	22	0917	0929	0921	S07	W03	.165	12115	22.2	12	-N	4	V		1.82				F	4		
857	RAMY	22	1250	1308	1255	S05	W05	.150	12115	22.2	18	-F	3	C		.37				DE	4		
865	SIBE	23	0459E	0508D		S10	E33	.573	12118	25.7	9D	-F		V						CDL	6		
866	ATHN	23	0635E	0644	0635U	S08	W80	.986	12111	17.3	9D	-F	2	V		.33				DE	5		
867	ATHN	23	0710E	0721D	0712	S10	E30	.532	12118	25.5	11D	-F	1	C		.33				DE	4		
868	TEHR	23	0754	0806	0757	S14	W63	.902	12114	18.6	12	-N	2	V		.33				DE	5		
875	RAMY	23	1434	1451	1435	S09	W21	.400	12115	22.0	17	-N	3	C		.37				DE	4		
880	KODA	24	0142	0211	0142	S06	W30	.514	12115	21.8	29	-N		C	0143	1.52	1.50	1.20		D	5		
881	CATA	24	0710	0715	0710	S07	W31	.532	12115	22.0	5	-N	2	C	0710	.29	.34		(166)			7	
882	UPIC	24	0853E	0903		S06	W34	.571	12115	21.8	10D	-F		P	0853	.63						10	
884	RAMY	24	1335	1351	1338	S12	E13	.324	12118	25.5	16	-F	2	C		.37				DE	6		
886	PALE	24	2023E	2036D	2024	S06	W39	.639	12115	21.9	13D	-N	3	V		.77						3	
889	PALE	25	0022	0032	0026	S05	W32	.540	12115	22.6	10	-N	2	V		.62				F	3		
891	MITK	25	0512	0532D	0517	S07	W47	.740	12115	21.7	20D	-N		C	0517	1.13	1.70			D	6		
892	KODA	25	0619	0623	0619	S07	W45	.716	12115	21.9	4	-N		V	0619	1.39	1.40	1.36		D	7		
896	MONT	25	1213	1235D	1235	S05	W51	.781	12115	21.7	22D	-N		C	1235	.41						6	
903	CAPS	26	0911E	0919		S09	W90	1.000	12114	19.6	8D	-B		V						C	3		
904	ARCE	26	1000E	1000D		S04	E17	.307	12126	27.7		-N		P	1000	.19	.20					5	
905	RAMY	26	1252	1303	1253	N15	W28	.511	12124	24.4	11	-F	3	C		.19				DE	6		
909	CATA	27	1205	1225	1205	S05	W53	.802	12116	23.5	20	-N	3	C	1205	.58	.97		(151)			10	
913	PALE	27	2320E	2323D	2322U	S10	E10	.261	12126	28.7	3D	-F	2	V		.26						3	
914	MANI	28	0321	0336	0330	S10	W40	.661	12118	25.1	15	-F	2		0330	.41	.55					6	
916	ISTA	28	1048	1105		S11	W41	.677	12118	25.4	17	-F								E	10		
918	ATHN	29	0720E	0730	0722	N20	E52	.811	12127	3.2	10D	-N	3	V		.66				F	5		
921	ISTA	30	0853	0912	0900	S17	W24	.496	12126	28.6	19	-N										6	
923	UPIC	30	1028E	1044	1032	S17	W26	.520	12126	28.5	16D	-N		P	1032	1.05				F	2		
928	PALE	30	1945E	1954	1946	S16	W30	.562	12126	28.6	9D	-F	3	V		.41				F	3		