

H α SOLAR FLARES

Confirmed

JULY 1974

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCARTH PLAGE REGION	OMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60518	01	1612	1650	1626	S14	E30	.562	13043	3.9	38	--N		.65				6 5 5 7
MCMA	01	1605E	17000	1619	S15	E30	.569	13043	3.9	550	-N	C	1619	.83	.90		E
HONT	01	1605	1654	1615	S14	E30	.562	13043	3.9	49	-N	C	1615	.72			E
HUAN	01	1610E	16190		S13	E28	.530	13043	3.8	90	-F	1 P	1614	.46	.56		E
MEUD	01	1617	1635	1626	S15	E30	.569	13043	3.9	18	-N	C	1626	.41	.50		
MEUD	01	1617	1635	1619	S15	E30	.569	13043	3.9	18	-N	C					
ATHN	01	1621	1649	1624	S13	E34	.606	13043	4.2	28	-N	1 C	1624	.85	.88		
PALE	01	1646E	1712	1646U	S15	E31	.581	13043	4.0	260	-N	2 C		.99			U
6 STATIONS REPORTING GROUP 60519. 2 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60519	01	1724	1851	1730	S14	E30	.562	13043	4.0	87	-F		.48				4 4 4 8
MEUD	01	1723	17340		S15	E30	.569	13043	4.0	110	-F	C	1730	.31	.40		
HONT	01	1724	17400	1735	S14	E30	.562	13043	4.0	160	-N	C	1735	.52			E
PALE	01	1725E	18510	1725U	S14	E30	.562	13043	4.0	860	-N	2 C		.55			U
HJAN	01	1729E	17430		S14	E31	.574	13043	4.1	140	-F	2 P	1735	.52	.64		E
60519	01	1802	1915	1828	S14	E33	.599	13043	4.2	73	*-N		1.41				3 3 3 4
BOUL	01	1802	19000	1828	S14	E33	.599	13043	4.2	580	-N	C	1828	1.71	2.05		
MCMA	01	1829E	19150		S15	E33	.605	13043	4.2	460	1N	C	1829	1.65	2.10		F
HUAN	01	1836E	18370		S13	E34	.606	13043	4.3	10	-F	1 P	1836	.88	1.09		E
GRP60520	01	1955	2005	1957	S16	E29	.564	13043	4.0	10	--F		.41				2 2 1 3
HJAN	01	1955	2005	1957	S16	E28	.552	13043	3.9	10	-F	1 C					
PALE	01	1956E	19580	1957U	S16	E29	.564	13043	4.0	20	-F	2 C		.41			
	01	2059	2205	NO FLARE PATROL													
GRP60521	01	2205	2252	2223	S13	E30	.555	13043	4.2	47	-B		1.66				2 2 2 3
VORO	01	2205E	2249		S12	E29	.536	13043	4.1	440	18	C	2214	1.88	2.30221.45	84	EJ
MANI	01	2220E	2255	2223	S13	E30	.555	13043	4.2	350	-N	1 C	2223	1.44	1.72		F
MANI	01	2220E	2255	2246	S13	E30	.555	13043	4.2	350	-F		2246	1.44	1.72		
GRP60522	01	2334	0037	0003	S15	E27	.532	13043	4.0	63	-N		1.27				2 2 2 4
MANI	01	2333E	0000	2352	S15	E28	.544	13043	4.1	270	-N		2352	1.24	1.46		
MANI	01	2333E	00000	2344	S15	E28	.544	13043	4.1	270	-N	2 C	2344	1.24	1.46		F
BOUL	01	2335	00220	0004	S15	E26	.520	13043	3.9	470	-N	C	0004	1.50	1.67		
MANI	02	0000E	00370	0002	S15	E28	.545	13043	4.1	370	-N	2 C	0002	1.03	1.22		F
MANI	02	0000E	00370	0004	S15	E28	.545	13043	4.1	370	-N		0004	.83	.97		
MANI	02	0000E	00370	0006	S15	E28	.545	13043	4.1	370	-N		0006	.83	.97		
MANI	02	0000E	00370	0016	S15	E28	.545	13043	4.1	370	-N		0016	.83	.97		
MANI	02	0000E	00370	0011	S15	E28	.545	13043	4.1	370	-N		0011	.83	.97		
GRP60523	02	0112	0122	0116	S12	E18	.396	13043	3.4	10	--N		.63				3 3 3 5
BOUL	02	0109	01230	0117	S13	E19	.418	13043	3.5	140	-F	C	0117	.64	.66		
PALE	02	0113	0117	0115	S12	E14	.349	13043	3.1	4	-N	2 V		.36			F
VORO	02	0115	0127	0116	S12	E21	.433	13043	3.6	12	-N	C	0122	.90	1.00	59	D
GRP60525	02	0235	0257	0243	S13	E27	.518	13043	4.1	22	--B		.71				2 2 2 4
MANI	02	0232E	02590	0244	S15	E24	.497	13043	3.9	270	-N	2 C	0244	.52	.59		F
VORO	02	0237	0254	0242	S11	E27	.504	13043	4.1	17	-B	C	0242	.90	1.00	64	DJ
MANI	02	0250	02590	0252	S13	E29	.543	13043	4.3	90	-F	2 C	0252	.21	.25		
2 STATIONS REPORTING GROUP 60528. 3 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60528	02	0414	0436	0418	S13	E18	.406	13043	3.5	22	--F		.65				2 2 2 5
ATHN	02	0412	04330	0415	S12	E18	.396	13043	3.5	210	-F	3 C		.33			DE
ABST	02	0415	0436	0420	S13	E18	.406	13043	3.5	20	-F	C	0420	.96	1.10		F
528 ABST	02	0422	0430	0424	S15	E23	.485	13043	3.9	8	*-F	C	0424	.96	1.10		F
GRP60529	02	0451	0540	0455	S15	E23	.485	13043	3.9	49	--F		1.26				2 2 2 4
A3ST	02	0449	05000	0457	S17	E24	.515	13043	4.0	710	1N	P	0457	1.83	2.20	.74	FU
ATHN	02	0452	0519	0453	S13	E22	.455	13043	3.9	27	-F	1 C	0453	.68	.68		
GRP60530	02	0544	0603	0545	S14	E23	.476	13043	4.0	19	--N		.40				2 2 2 4
MANI	02	0543E	05550	0544	S15	E22	.473	13043	3.9	120	-N	2 C	0544	.62	.69		
MANI	02	0543E	05550	0549	S15	E22	.473	13043	3.9	120	-N		0549	.62	.69		
ATHN	02	0545	0603	0546	S13	E23	.467	13043	4.0	18	-N	1 C	0546	.17	.16		
GRP60531	02	0600	0631	0618	S16	E22	.483	13043	3.9	31	--B		.69				4 4 4 7
CATA	02	0600E	06200	0615	S17	E20	.471	13043	3.8	200	-B	3 C	0615	.58	.65	(363)	
MANI	02	0610E	06170	0612	S17	E22	.492	13043	3.9	70	-B	1 C	0612	.62	.71		
ATHV	02	0612E	06200	06200	S14	E23	.476	13043	4.0	80	-N	4 V		.83			DE
ATHN	02	0612E	06140	06140	S14	E23	.476	13043	4.0	20	-N	4 V		.50			DE
MEUD	02	0617E	0631	0623	S16	E20	.460	13043	3.8	140	-N	C	0623	.72	.80		
MEUD	02	0617E	0631	0618	S16	E20	.460	13043	3.8	140	-N						
MANI	02	0625E	06300	0625U	S15	E24	.497	13043	4.1	50	-N	1 C	0625	1.03	1.18		F

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	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	CENTRAL MER. DIST.	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
7 STATIONS REPORTING GROUP 60532. 2 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60532	02	0629	0746	0649	S16	E23	.494 13043	4.0	77	1N			2.61				6 5 5 8
ABST	02	0606	0738	0648	S17	E24	.515 13043	4.1	92	1B	C	0648	2.01	2.40	.80		FK
ABST	02	0622	0711	0648	S15	E23	.485 13043	4.0	49	-N	C	0648	.87	1.10			FK
MONI	02	0629E	0803	0646	S15	E24	.497 13043	4.1	940	1N	C	0646	2.58				
CATA	02	0630E	0700	0655	S16	E23	.494 13043	4.0	300	1B	3	0655	2.90	3.33		(417)	
MEUD	02	0634	0735	0645	S15	E20	.450 13043	3.8	61	1N	C	0645	2.06	2.30			EI
KIEV	02	0638E	0745D	0650	S17	E23	.503 13043	4.0	670	1N	C	0650	3.50	4.10		60	
MANI	02	0719E	07500	0730	S14	E23	.476 13043	4.0	310	1B		0730	2.17	2.42			FZ
MANI	02	0747E	07580	0747U	S16	E22	.483 13043	4.0	110	-N	2	0747	1.95	1.76			
60532	02	0657	0720	0703	S13	E17	.394 13043	3.6	23	*-N			1.56				4 4 4 8
MEUD	02	0655	0710	0702	S14	E15	.384 13043	3.4	15	-N	C	0702	.72	.80			E
MONI	02	0656	0716	0704	S12	E17	.384 13043	3.6	20	-N	C	0704	1.13				E
ABST	02	0700	0711	0702	S12	E17	.384 13043	3.6	11	-N	C	0702	.96	1.10			BT
ARCE	02	0703E	0741		S13	E20	.430 13043	3.8	380	1B	C	0703	3.41	4.10			
60532	02	0700	0739	0716	S14	E23	.476 13043	4.0	39	*1N			1.54				3 3 2 9
MEUD	02	0634	0735	0715	S15	E20	.450 13043	3.8	61	1N	C						E
ABST	02	0700	0733	0715	S12	E27	.511 13043	4.3	33	1N	C	0715	1.83	2.20			UZ
MANI	02	0719E	07500	0719U	S14	E23	.476 13043	4.0	310	-B	1	0719	1.24	1.38			
8 STATIONS REPORTING GROUP 60535. 1 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60535	02	0944	1005	0946	S16	E19	.449 13043	3.8	21	1N			2.31				6 6 6 8
ATHN	02	0943	0959	0945	S15	E18	.427 13043	3.8	16	-N	1	0945	.85	.84			
MONI	02	0943	1010	0946	S16	E20	.460 13043	3.9	27	1N	C	0946	3.40				
ABST	02	0943	1004	0946	S15	E20	.450 13043	3.9	21	1B	C	0946	2.18	2.50		83	F
ABST	02	0943	1004	0946	S18	E20	.481 13043	3.9	21	1N	C	0946	2.18	2.60		74	F
ZURI	02	0944	1006	0946	S17	E19	.460 13043	3.8	22	1N	C	0946	2.73	3.10			
CATA	02	0945	1005	0945	S17	E20	.471 13043	3.9	20	1B	3	0945	4.05	4.59		(295)	
LOCA	02	0950E	09550	0950	S12	E17	.384 13043	3.7	50	-N	V	0950	.63	.70			
60535	02	0809	1010	0906	S15	E20	.450 13043	3.8	121	*-F			1.57				2 2 2 10
MANI	02	0809E	09100	0906	S16	E21	.471 13043	3.9	610	-N		0906	1.13	1.27			
MANI	02	0809E	09100	0855	S16	E21	.471 13043	3.9	610	-N		0855	.83	.92			
MANI	02	0809E	09100	0818	S16	E21	.471 13043	3.9	610	1F	2	0818	2.06	2.30			F
ARCE	02	0901E	1010		S13	E19	.418 13043	3.8	690	-N	P	0901	1.07	1.20			
60535	02	0818	0856	0834	S16	E21	.471 13043	3.9	38	*-N			.26				2 2 2 10
MANI	02	0809E	09100	0836	S16	E21	.471 13043	3.9	610	-N		0836	.31	.35			D
MONI	02	0827	0842	0832	S16	E20	.460 13043	3.9	15	-N	C	0832	.21				
GRP60538	02	1015	1029	1018	S14	E20	.440 13043	3.9	14	--N			.66				4 4 4 7
ABST	02	1014	1031	1018	S13	E22	.455 13043	4.1	17	-F	C	1018	.96	1.10			E
MONI	02	1014	1029	1018	S14	E20	.440 13043	3.9	15	-N	C	1018	.62				E
ARCE	02	1015	1025	1019	S14	E20	.440 13043	3.9	9	-B	C	1019	.57	.60			DE
ATHN	02	1016E	1030	1018U	S13	E19	.418 13043	3.9	140	-F	4	V	.50				
GRP60541	02	1348	1416	1403	S16	E16	.418 13043	3.8	28	--F			.80				3 3 3 6
BOUL	02	1345	1427	1408	S18	E14	.424 13043	3.6	42	-F	C	1408	.32	.33			
ZURI	02	1350	1412	1358	S17	E16	.430 13043	3.8	22	-N	C	1358	1.58	1.70			DE
ATHN	02	1400E	1409	1404	S13	E19	.418 13043	4.0	90	-F	2	V	.50				
GRP60542	02	1609	1616	1611	S13	E21	.442 13043	4.2	7	--N			.55				4 4 3 5
MEUD	02	1607	1614	1611	S13	E22	.455 13043	4.3	7	-N	C	1611	.41	.40			
ZURI	02	1608	1616	1610	S13	E20	.430 13043	4.2	8	-N	C	1610	.73	.80			
BOUL	02	1610	1620	1612	S13	E21	.442 13043	4.2	10	-F	V	1612	.70				DE
RAMY	02	1610E	1615	1612	S14	E21	.452 13043	4.2	50	-N	4	V	.50				
GRP60543	02	1626	1655	1636	S13	E10	.322 13043	3.4	29	--N			.83				6 6 6 6
BOUL	02	1621	1710	1632	S13	E11	.331 13043	3.5	49	-N	C	1632	.75	.76			
RAMY	02	1627E	1654D	1640	S13	E11	.331 13043	3.5	270	-N	4	V	1.32				FDE
ZJRI	02	1627	1651	1643	S14	E10	.336 13043	3.4	24	-N	C	1643	1.26	1.30			
MEUD	02	1627	1651	1639	S13	E11	.331 13043	3.5	24	-N	C	1639	.62	.70			
ATHN	02	1628	1649	1630	S13	E10	.322 13043	3.4	21	-N	2	V	.66				DE
PALE	02	1628	16310	1630	S09	E08	.248 13043	3.3	30	-N	2	V	.36				F
PALE	02	1628	16310	1630	S09	E08	.248 13043	3.3	30	-N	2	V	.36				F
GRP60546	02	1923	2100	1939	S17	E11	.386 13043	3.6	97	-N			1.61				3 3 3 3
RAMY	02	1922E	2103D	1942	S15	E11	.358 13043	3.6	1010	-F	3	V	1.32				F
BOUL	02	1923	1951	1936	S19	E11	.414 13043	3.6	28	-N		1936	1.61	1.64			
MCMA	02	1943E	2057D		S16	E10	.365 13043	3.6	740	1N	P	1943	1.91	2.10			BE
547 PALE	02	2109	2115	NO FLARE PATROL													
547 PALE	02	2220U	0003	2220U	S13	E30	.556 13043	5.2	1030	-B	2	C	1.39				U 3

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCARTH. PLACE REGION	CMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
60590	04	1704	1724	1710	S17	H09	.375	13043	4.0	20	*-N		1.03				2 2 2 5	
ATHN	04	1704	1722	1707	S17	H08	.369	13043	4.1	18	-N	1	1707	.34	.33			
BOUL	04	1704	1725	1712	S17	H09	.375	13043	4.0	21	-N	C	1712	1.71	1.74			
GRP60591	04	1725	1758	1733	S14	H08	.324	13043	4.1	33	--N			.82			4 4 4 6	
PALE	04	1725	1739	1730	S13	H08	.309	13043	4.1	14	-N	2	V	.52			F	
HUAN	04	1725E	17320		S15	H07	.333	13043	4.2	70	-F	1	P	1731	.31	.33		
BOUL	04	1726	1816	1735	S14	H07	.318	13043	4.2	50	-N	C	1735	1.50	1.51			
MCMA	04	1728E	17340		S15	H10	.354	13043	4.0	60	-B	P	1734	.93	1.00		E	
GRP60592	04	1818	1857	1829	S17	H10	.382	13043	4.0	39	1N			3.11			5 5 5 5	
MCMA	04	1815E	18360		S17	H12	.397	13043	3.9	200	1B	P	1836	1.06	2.00		E	
BOUL	04	1818	1905	1828	S17	H09	.375	13043	4.1	47	1N	C	1828	4.18	4.23			
HUAN	04	1818	1850	1830U	S16	H12	.384	13043	3.9	32	-N	1	C	1830	1.24	1.33		
ZURI	04	1818	18300	1828	S17	H10	.382	13043	4.0	120	2F	P	1828	5.68	6.20		UOE	
PALE	04	1823E	1855	1829U	S17	H09	.375	13043	4.1	320	1B	2	V	2.58				
594 HUAN	04	1950E	2005		S16	H11	.375	13043	4.0	150	--F	1	P	1956	.41	.44		E 2
GRP60595	04	2016	2036	2019	S17	H13	.405	13043	3.9	20	-F			.66			2 2 2 2	
BOUL	04	2014	2044	2019	S17	H13	.405	13043	3.9	30	-F	C	2019	.96	.99			
HUAN	04	2017	2027	2019	S17	H13	.405	13043	3.9	10	-N	1	C	2019	.36	.39		
60595	04	2032	2245	2103	S16	H12	.384	13043	4.0	133	*1N			3.26			3 3 3 3	
BOUL	04	2031	2300	2105	S17	H12	.397	13043	4.0	149	2N	C	2105	5.14	5.25			
HUAN	04	2032	20480		S16	H13	.392	13043	3.9	160	-N	1	P	2033	.52	.56		E
PALE	04	2039E	2125	2100U	S14	H12	.357	13043	4.0	460	1B	2	C		3.25		U F	
HUAN	04	2100E	21030		S16	H13	.392	13043	3.9	30	-N	1	P	2100	1.39	1.51		8
PALE	04	2221	2230	2225	S14	H11	.348	13043	4.1	9	-F	3	C		.55		OE	
GRP60596	04	2313	2346	2320	S14	H13	.366	13043	4.0	33	--F			.82			2 2 2 2	
BOUL	04	2312	2346	2321	S14	H13	.366	13043	4.0	34	-F	C	2321	.64	.66			
PALE	04	2313	2345	2319	S14	H13	.366	13043	4.0	32	-F	3	C		.99		F	
GRP60597	05	0032	0044	0033	S11	H24	.467	13043	3.2	12	--F			.64			2 2 2 2	
BOUL	05	0031	0046	0033	S11	H23	.454	13043	3.3	15	-F	C	0035	.64	.70			
PALE	05	0032	0042	0033	S11	H25	.480	13043	3.1	10	-F	3	C		.63		OE	
GRP60598	05	0040	0055	0048	S16	H15	.412	13043	3.9	15	--F			.73			2 2 2 2	
BOUL	05	0040	0055	0047	S16	H14	.403	13043	4.0	15	-F	C	0047	.64	.66			
PALE	05	0048E	0055	0049	S16	H15	.412	13043	3.9	70	-F	3	C		.81			
GRP60599	05	0054	0124	0103	S15	H14	.390	13043	4.0	30	--F			1.48			2 2 2 2	
BOUL	05	0048	0130	0103	S15	H13	.380	13043	4.1	42	-N	C	0112	1.61	1.65			
PALE	05	0059	0118	0103	S15	H14	.390	13043	4.0	19	-F	3	C		1.35		F	
GRP60600	05	0148	0241	0155	S14	H15	.388	13043	4.0	53	-B			1.31			2 2 2 2	
BOUL	05	0148	02050	0156	S13	H13	.355	13043	4.1	170	-B	C	0156	.96	.99			
PALE	05	0148E	0241	0154	S14	H16	.398	13043	3.9	530	-N	3	V	1.65			U F	
60600	05	0220	0302		S16	H16	.422	13043	3.9	42	*-F			.46			2 2 2 2	
TEHR	05	0220E	03030	0220U	S16	H15	.412	13043	4.0	430	-N	3	V	.50			F	
PALE	05	0256E	0301	0257	S16	H17	.432	13043	3.8	50	-F	2	V	.41			OE	
GRP60601	05	0701	0724	0703	S15	H23	.488	13043	3.6	23	-N			1.17			6 6 6 7	
ATHN	05	0659	07180	0703	S15	H21	.465	13043	3.7	190	-N	3	C		.66		DE	
MONT	05	0701	0719	0703	S17	H26	.540	13043	3.3	18	-N	C	0703	.62			E	
TEHR	05	0701	0712	0705	S15	H22	.476	13043	3.6	11	-F	2	C		.19		F	
WEND	05	0701E	0730		S13	H23	.470	13043	3.6	290	1N	V		3.09				
ZURI	05	0702	0712	0702	S14	H21	.455	13043	3.7	10	-N	C	0702	1.69	1.90			
ARCE	05	0710E	07510		S14	H23	.479	13043	3.6	410	-F	C	0710	.76	.80			
GRP60602	05	0738	0755	0741	S16	H18	.442	13043	4.0	17	--N			.34			3 3 3 8	
MONT	05	0736	0801	0740	S16	H18	.442	13043	4.0	25	-N	C	0740	.41			E	
NEUD	05	0738	0750	0743	S16	H18	.442	13043	4.0	12	-F	C	0743	.31	.30			
CATA	05	0740	0755	0740	S17	H16	.453	13043	4.0	15	-B	3	C	0740	.29	.32	(25)	
GRP60603	(See in Unconfirmed List)																	
GRP60607	05	1159	1235	1206	S15	H20	.453	13043	4.0	36	-N			1.22			7 7 6 8	
MONT	05	1157	1311	1205	S15	H21	.465	13043	3.9	74	-N	C	1205	1.86			K	
TEHR	05	1157E	1302	1159	S15	H18	.431	13043	4.1	650	-N	4	V	.66			F	
ATHN	05	1157	1222	1207	S16	H21	.475	13043	3.9	25	-N	3	C	.99			DE	
RANY	05	1158	1303	1210	S14	H21	.455	13043	3.9	65	-N	4	C	.65			F	
ZURI	05	1158	1220	1204	S15	H21	.465	13043	3.9	22	1N	C	1204	2.10	2.40			
MCMA	05	1200E	12250	1208	S17	H21	.485	13043	3.9	250	-N	C	1208	1.03	1.10		E	
BOUL	05	1203	1220	1206	S13	H19	.421	13043	4.1	17	-F	V	1206		1.60			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS				
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MONTH FLARE REGION				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %					
					LAT.	LONG. DIST															
60607	05	1222	1303	1236	S14	W22	.467	13043	3.9	41	*-N		1.26				10 10 10 12				
RAMY	05	1158	1303	1237	S14	W21	.455	13043	3.9	65	-B	4 C	.74				F				
TEHR	05	1200	1253	1239	S15	W22	.476	13043	3.8	53	-N	3 C	.91				F				
HUAN	05	1220E	1304	1231	S15	W22	.476	13043	3.9	440	-N	2 P	.88	.99							
WEND	05	1220E	1306		S13	W21	.445	13043	3.9	460	1N	P	4.13								
BOUL	05	1225	1305	1233	S14	W21	.455	13043	3.9	39	-N	C	.86	.92							
ZURI	05	1228	1256	1234	S15	W21	.465	13043	3.9	28	-B	C	1.26	1.40							
MCMA	05	1228E	1310	1237	S16	W23	.497	13043	3.8	420	-N	C	.83	.90							
ATHN	05	1229E	1302	1234	S14	W22	.467	13043	3.9	330	-N	3 V	.99				E				
KIEV	05	1236E	13000	1241	S14	W22	.467	13043	3.9	240	-N	C	1.00	1.10		60	OE				
HERS	05	1239E	1306	1239	S14	W21	.455	13043	4.0	270	-B	P	1.04	1.20			OI				
GRP60609	05	1324	1338	1328	S16	W26	.532	13043	3.6	14	--N		.35				3 3 3 11				
MONT	05	1323	1334	1326	S17	W29	.575	13043	3.4	11	-N	C	.41				E				
HUAN	05	1323	1330	1324	S15	W24	.500	13043	3.8	7	-N	2 C	.31	.36							
BOUL	05	1325	1350	1333	S15	W26	.524	13043	3.6	25	-F	C	.32	.36							
5 STATIONS REPORTING GROUP 60611. 4 STATIONS OBSERVING AND NOT REPORTING.																					
GRP60611	05	1353	1449	1417	S15	W23	.488	13043	3.9	56	-N		2.17				3 3 3 9				
WEND	05	1353	1447		S14	W22	.467	13043	3.9	54	1N	V	5.16								
MCMA	05	1410E	15050		S16	W23	.497	13043	3.9	550	-N	C	.52	.60			EH				
ATHN	05	1415E	1434	1417	S14	W23	.479	13043	3.9	190	-F	3 V	.83				F				
60611	05	1404	1423	1409	S14	W25	.503	13043	3.7	19	*-F		.97				2 2 2 9				
BOUL	05	1400	14330	1410	S16	W22	.486	13043	3.9	330	-F	C	1.71	1.85			OE				
RAMY	05	1407	1412	1407U	S12	W28	.526	13043	3.5	5	-F	4 C	.23								
GRP60612	05	1508	1613	1515	S15	W23	.488	13043	3.9	65	1B		4.10				11 11 10 11				
ZURI	05	1450	1608	1512	S16	W23	.497	13043	3.9	78	1B	C	3.78	4.40							
BOUL	05	1506	1605	1513	S14	W23	.479	13043	3.9	59	1B	V	1513	3.60							
WEND	05	1507E	1626	1520	S17	W22	.496	13043	4.0	790	2B	P	1520	10.31							
RAMY	05	1507	15110	15110	S16	W23	.497	13043	3.9	40	1B	4 V	2.15				U F				
MCMA	05	1507E	16420	1517	S16	W23	.497	13043	3.9	950	2B	C	1517	5.67	6.50		EF				
HUAN	05	1507	1621	1518	S16	W24	.509	13043	3.8	74	1B	2 C	1518	2.53	2.92						
MONT	05	1508	16150	1511	S15	W24	.500	13043	3.8	670	1B	C	1511	3.09		(501)	H				
CATA	05	1510	16050	1517	S16	W24	.509	13043	3.8	550	2B	3 V	1517	5.80	6.73		Z H				
ATHN	05	1510E	1558	1515	S14	W23	.479	13043	3.9	480	1B	3 V	2.15								
LOCA	05	1512	1600	1515	S15	W21	.465	13043	4.1	48	1N	V	1515	2.52	2.80						
MEUD	05	1513E	1610	1514	S15	W24	.500	13043	3.8	570	1N	C	1514	2.99	3.30						
GRP60613	05	1634	1700	1640	S09	W73	.960	13030	30.2	26	--F		.35				2 2 2 5				
BOUL	05	1632	1700	1640	S10	W71	.951	13030	28.4	28	-F	C	.43	1.17							
MCMA	05	1636	16420		S08	W74	.964	13030	28.1	60	-N	C	.26	1.00			D				
GRP60615	05	2016	2115	2035	S17	W27	.552	13043	3.8	59	--N		.75				3 2 2 4				
PALE	05	2016	2055	2022	S14	W25	.503	13043	4.0	39	-F	3 C	.36								
MCMA	05	2036	21150	2048	S17	W27	.552	13043	3.8	390	-N	C	2048	1.03	1.30		E				
HUAN	05	2044E	21030		S17	W27	.552	13043	3.8	190	-N	1 P	2051	.46	.56		E				
GRP60618	05	2123	2322	2143	S15	W26	.524	13043	3.9	119	1B		4.90				5 5 5 5				
BOUL	05	2118	2345	2142	S17	W26	.540	13043	3.9	147	2B	C	2152	5.89	6.56						
RAMY	05	2120E	22200	2144	S14	W27	.528	13043	3.9	600	1B	3 V	3.09				U F				
MCMA	05	2123	23260	2142	S16	W26	.532	13043	3.9	1230	2B	C	2142	8.77	10.00		FIXV				
PALE	05	2132	2256	2142	S14	W26	.516	13043	3.9	84	1B	2 C	3.97				U F				
HUAN	05	2149E	22240		S16	W26	.532	13043	4.0	350	1B	1 P	2150	2.78	3.32						
GRP60619	05	2248	2313	2256	S10	W74	.965	13030	30.4	25	--F		.85				2 2 2 3				
BOUL	05	2248	2313	2256	S09	W73	.960	13030	28.5	25	1F	C	2256	.86	2.47						
PALE	05	2249E	23090	2256	S10	W74	.965	13030	28.4	200	-N	2 V	.83				OE				
620 BOUL	05	2332	2350	2340	S09	W75	.969	13030	28.4	18	--F	C	.21	.65			3				
GRP60622	06	0034	0059	0039	S15	E03	.319	13051	6.2	25	--B		.72				2 2 2 3				
VORO	06	0034	0059	0038	S14	E03	.303	13051	6.2	25	-B	C	.81	.90		64	EJ				
PALE	06	0040E	00400	0040	S15	E02	.317	13051	6.2		-N	2 C	.63				OE				
623 BOUL	06	0035	0059	0049	S16	H39	.684	13043	3.1	24	--F	C	.21	.27			2				
624 PALE	06	0147E	01500	0148	S08	W75	.969	13030	28.4	30	--F	2 C	.27				OE				
GRP60633	06	0646	0658	0649	S17	H30	.587	13043	4.0	12	--N		.32				3 3 3 6				
MONT	06	0646	0658	0648	S16	H32	.603	13043	3.9	12	-F	C	.21								
HANI	06	0647E	06480	0647U	S17	H32	.610	13043	3.9	10	-N	1 C	.41	.52							
ATHN	06	0652E	0657	0653	S17	W27	.553	13043	4.3	50	-N	4 V	.33				OE				
GRP60634	06	0659	0711	0701	S15	H28	.549	13043	4.2	12	--N		.37				3 3 3 6				
HANI	06	0658E	07020	0700	S14	H29	.553	13043	4.1	40	-N	1 C	.21	.25							
ATHN	06	0659	0709	0702	S16	H26	.533	13043	4.3	10	-N	4 V	.50				OE				
MONT	06	0700	0712	0702	S15	H29	.561	13043	4.1	12	-F	C	.41								

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION	OMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60635	06	0738	0815	0801	S15	H30	.573	13043	4.1	37	--N		.37				3 3 3 6
MONT	06	0736	0746	0741	S16	H42	.717	13043	3.2	10	-F	0741	.21				DE
ATHN	06	0738	0811	0800	S16	H26	.533	13043	4.4	33	-B 3	V	.66				DE
ATHN	06	0738	0811	0741	S16	H26	.533	13043	4.4	33	-N 3	V	.33				
MONT	06	0739	0746	0741	S15	H39	.679	13043	3.4	7	-F	0741	.21				
MONT	06	0759	0808	0801	S15	H29	.561	13043	4.2	9	-F	0801	.21				
TEHR	06	0802E	08250	0802U	S13	H29	.547	13043	4.2	230	-N 3	V	.25				DE
GRP60636	06	0815	0826	0817	S16	H28	.556	13043	4.2	11	--N		.52				2 2 2 5
MONT	06	0815	0824	0817	S15	H30	.573	13043	4.1	9	-F	0817	.21				Z F
ATHN	06	0815	0827	0817	S16	H26	.533	13043	4.4	12	-B 4	V	.83				
GRP60641	06	0957	1016	1006	S15	H29	.561	13043	4.2	19	--N		.37				3 3 3 5
MONT	06	0955	1015D	1005	S15	H30	.573	13043	4.2	20D	-N	C	1005	.41			D
ATHN	06	0958	1017	1005	S17	H28	.564	13043	4.3	19	-B		.52	.53			DE
TEHR	06	1008E	1015	1008U	S14	H30	.566	13043	4.2	70	-N 3	V	.17				
GRP60642	06	1036	1048	1038	S15	H31	.585	13043	4.1	12	-B		1.10				4 4 4 5
ATHN	06	1036	1046	1038	S17	H30	.587	13043	4.2	10	-B 4	V	.83				Z F
KHAR	06	1036E	10450	1038	S16	H32	.603	13043	4.0	90	1N	C	1038	1.65	2.10		
UPIC	06	1037E	10390	1037U	S14	H32	.590	13043	4.0	20	-N		1.26				
TEHR	06	1037E	10490	1038U	S13	H30	.559	13043	4.2	120	-B 3	V	.66				DE
7 STATIONS REPORTING GROUP 60643. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60643	06	1054	1226	1112	S16	H35	.638	13043	3.8	92	1B		3.47				5 5 5 6
KHAR	06	1050E	12250	1112	S17	H36	.656	13043	3.8	950	2N	C	1121	8.80	11.80		EJ
TEHR	06	1053E	11500	1110U	S15	H35	.633	13043	3.8	570	1B 3	V	1.86				DE Z
MONT	06	1056E	1233	1113	S15	H35	.633	13043	3.8	970	1N	C	1113	2.58			
ATHN	06	1057	1221	1113	S18	H34	.639	13043	3.9	84	1B 4	V	2.15				F
ATHN	06	1057	1221	1058	S18	H34	.639	13043	3.9	84	-F 4	V	.66				F
MONT	06	1106	1114	1108	S17	H32	.610	13043	4.1	8	-N	C	1108	.72			
RAMY	06	1110E	11120	1112D	S16	H35	.638	13043	3.8	20	1B 2	V	1.98				F U
60643	06	1115	1226	1132	S18	H35	.651	13043	3.8	71	*1B		2.68				3 2 2 7
CATA	06	1110	1230	1130	S15	H35	.633	13043	3.8	80	2B 3		4.63	5.98			(372)
MONT	06	1120	1221	1134	S21	H35	.670	13043	3.8	61	-N	C	1134	.72			
HUAN	06	1146E	11490		S16	H36	.650	13043	3.8	30	-N 1	P	1147	.31	.40		
GRP60647	06	1345	1357	1351	S15	H33	.609	13043	4.1	12	--N		.48				6 6 6 7
BOUL	06	1335	1358	1349	S14	H32	.590	13043	4.2	23	-N	C	1349	.75	.88		
RAMY	06	1347E	1358	1349	S13	H36	.634	13043	3.9	110	-N 4	V	.33				DE
ATHN	06	1347	1357	1350	S17	H32	.610	13043	4.2	10	-N		.34	.35			
MCMA	06	1348	1355	1351	S15	H32	.597	13043	4.2	7	-F	C	1351	.26	.30		D
CATA	06	1350	1400	1355	S13	H33	.597	13043	4.1	10	-B 3		1355	.29	.36		(263)
KHAR	06	1351E	13560	1351	S15	H33	.609	13043	4.1	50	-F	V	1351	.88	1.20		D
GRP60648	06	1441	1453	1445	S15	H35	.633	13043	4.0	12	--F		.31				4 4 4 6
BOUL	06	1437	1500	1444	S14	H34	.615	13043	4.1	23	-F	C	1444	.32	.39		
KHAR	06	1440E	14450	1445	S15	H36	.644	13043	3.9	50	-F	V	1445	.33	.50		D
ATHN	06	1442	1450	1445	S17	H34	.633	13043	4.1	8	-N		.34	.35			
MCMA	06	1443	1450	1447	S15	H34	.621	13043	4.1	7	-F	C	1447	.26	.30		D
GRP60649	06	1532	1554	1537	S15	H34	.621	13043	4.1	22	--F		.48				3 3 3 6
BOUL	06	1529E	1558	1535	S14	H34	.615	13043	4.1	290	-F	C	1535	.96	1.16		
HUAN	06	1533	15370	1535	S14	H34	.615	13043	4.1	40	-F	1	1535	.21	.26		D
MCMA	06	1534	1549	1542	S16	H33	.615	13043	4.2	15	-F	C	1542	.26	.30		D
651 BOUL	06	1641	1659	1646	S14	H34	.615	13043	4.1	18	--F	C	1646	.54	.65		4
GRP60652	06	1713	1739	1736	S15	H35	.633	13043	4.1	26	--F		.34				3 3 3 6
BOUL	06	1708	1748	1736	S14	H35	.627	13043	4.1	40	-F	C	1736	.54	.66		
MCMA	06	1717	1730		S16	H34	.627	13043	4.2	13	-F	C	1725	.26	.30		D
HUAN	06	1726E	17280		S14	H36	.639	13043	4.0	20	-F	1	1727	.21	.27		D
5 STATIONS REPORTING GROUP 60653. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60653	06	1812	2015	1906	S16	H39	.684	13043	3.8	123	1B		3.00				3 3 3 3
BOUL	06	1812	2020	1906	S16	H37	.661	13043	4.0	128	1B	C	1906	3.75	4.70		
MCMA	06	1830E	2010	1906	S18	H40	.705	13043	3.8	100D	2B	C	1906	3.61	5.00		FKLIV
RAMY	06	1840E	19360	1906	S15	H39	.679	13043	3.9	560	-B 4	V	1.65				DE
60653	06	1830	2010	1845	S17	H40	.700	13043	3.8	100	*1B		1.67				2 2 2 3
MCMA	06	1830E	2010D	1845	S18	H40	.705	13043	3.8	100D	2B	C	1845	2.06	2.80		EH
RAMY	06	1840E	19360	1844	S15	H39	.679	13043	3.9	560	-B 4	V	1.26				DE

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	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.												
60653 BOUL	06	1907	2018	1927	S16	W43	.728	13043	3.6	71	*-N			.54			3 2 1 5	
HUAN	06	1907	2029	1927	S15	W45	.745	13043	3.4	82	-N	C	1927	.54	.76			
PALE	06	1924E	19260		S16	W40	.695	13043	3.8	20	1N	1 P						
PALE	06	1940E	19400	19400	S15	W40	.690	13043	3.8		-F	2 C		.72			DE	
PALE	06	1953E	2006	19530	S15	W43	.724	13043	3.6	130	-F	2 C		.55			DE	
PALE	06	2016E	20210	20200	S15	W39	.679	13043	3.9	50	-F	2 V		.41				
60653 PALE	06	1819	1830	1824	S15	W38	.668	13043	3.9	11	*-F			.36			2 2 2 4	
MCMA	06	1817	1829	18230	S14	W40	.666	13043	3.8	12	-F	2 C		.45			DE	
	06	1820	18300	1825	S16	W35	.638	13043	4.1	100	-F	C	1825	.26	.30		0	
654 BOUL	06	1833	1847	1840	S12	W51	.798	13037	2.9	14	--F	C	1840	.75	1.20		3	
	06	2232	2237		NO FLARE PATROL													
GRP60557 HANI	06	2252	2330	2259	S15	W42	.713	13043	3.8	38	--F			.52			2 2 2 2	
PALE	06	2252E	2330	2258	S15	W42	.713	13043	3.8	380	-N	1	2258	.62	.89		F	
	06	2300E	23040	23000	S15	W41	.702	13043	3.9	40	-F	2 V		.41			F	
	06	2309	2312		NO FLARE PATROL													
	06	2334	2339		NO FLARE PATROL													
	06	2341	0045		NO FLARE PATROL													
	07	0107	0211		NO FLARE PATROL													
658 HANI	07	0211E	02260	02110	S15	W43	.724	13043	3.9	150	--N	1	0211	.41	.61		1	
	07	0226	0301		NO FLARE PATROL													
GRP60660 ATHN	07	0419	0429	0421	S17	W46	.764	13043	3.7	10	--F			.41			2 2 2 5	
PALE	07	0419	0432	0421	S17	W43	.733	13043	4.0	13	-N	2 C		.50			DE	
	07	0419	0426	0421	S17	W48	.784	13043	3.6	7	-F	2 V		.31				
GRP60662 ABST	07	0607	0628	0609	S11	W64	.909	13037	2.5	21	--F			.65			2 2 2 3	
ATHN	07	0606E	06100	0608	S12	W65	.917	13037	2.4	40	-F	P	0608	.79	1.90		0	
	07	0608	0628	0609	S09	W63	.899	13037	2.5	20	-N	3 C		.50			DE	
663 ATHN	07	0704	0726	0708	S13	W57	.857	13037	3.0	22	--F	3 C		.33			DE 3	
GRP60664 ABST	07	0724	0736	0727	S15	W44	.735	13043	4.0	12	--F			.70			3 3 3 3	
CATA	07	0722	07340	0728	S15	W45	.746	13043	3.9	120	-F	P	0728	.70	1.10		0	
ATHN	07	0725	0735	0725	S16	W46	.760	13043	3.9	10	-N	3	0725	.87	1.33	(200)		
	07	0726	0737	0729	S15	W41	.702	13043	4.2	11	-F	1	0729	.52	.55			
GRP60665 ABST	07	0807	1131		S16	W46	.760	13043	3.9	204	-N			1.32			3 3 3 7	
ATHN	07	0807	09440	0928	S16	W47	.770	13043	3.8	970	1N	P	0928	2.44	4.00		FK	
ATHN	07	0807	0815	0808	S15	W45	.746	13043	4.0	8	-N	1	0808	.52	.60			
ATHN	07	0857	0906	0858	S15	W43	.724	13043	4.1	9	-F	1	0858	.85	1.01			
TEHR	07	0916	12550	0932	S16	W45	.750	13043	4.0	2190	-B	3 C		.66			DE	
ATHN	07	1124	1131	1125	S15	W48	.777	13043	3.9	7	-F	1	1125	.34	.41			
9 STATIONS REPORTING GROUP 60666. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP60666 TEHR	07	0920	1114	1014	S16	W47	.770	13043	3.9	114	18	3 C		2.58			7 6 6 7	
KHAR	07	0916	12550	1010	S16	W45	.750	13043	4.0	2190	18	3 C		1.83			DE	
CATA	07	0917E	11170	1017	S15	W47	.767	13043	3.9	1200	2N	C	1017	4.40	7.30	.32	EK	
MEUD	07	0920	1115	1015	S16	W47	.770	13043	3.9	115	18	3 C	1015	2.31	3.63	(398)		
ATHN	07	0926	1120	1009	S16	W47	.770	13043	3.9	114	1N	C	1009	1.75	2.70			
ATHN	07	0942	1109	0945	S15	W47	.767	13043	3.9	87	-N	1	0945	1.35	1.63			
ABST	07	1008E	10550	1009	S16	W48	.780	13043	3.8	470	2N	P	1009	3.49	5.80		96 BFK	
RANY	07	1017E	1104	1022	S16	W45	.750	13043	4.1	470	-B	3 C		1.67			DE	
60666 MCMA	07	1038	1120	1056	S18	W49	.797	13043	3.8	42	*-B			.77			2 1 1 9	
KIEV	07	1038E	1120		S18	W49	.797	13043	3.8	420	-B	C	1044	.77	1.20		0	
	07	1053E	11200	1056	S18	W49	.797	13043	3.8	270	1F	C	1056	1.50	2.50		55 DI	
GRP60669 MEUD	07	1155	1211	1200	S14	W48	.774	13043	3.9	16	-N			.58			2 2 2 8	
ATHN	07	1152	1207	1158	S15	W48	.777	13043	3.9	15	-N	C	1158	.31	.50			
	07	1156	1215	1202	S13	W48	.771	13043	3.9	17	-N	1	1215	.85	1.07			
60669 MCMA	07	1214	1348	1222	S16	W48	.780	13043	3.9	94	*1N			3.24			7 7 6 8	
KHAR	07	1150	1355	1224	S18	W49	.797	13043	3.8	125	1N	C	1224	2.58	4.20		E	
RANY	07	1155E	13520	1223	S16	W48	.780	13043	3.9	1170	3N	C	1300	8.25	14.00		E	
MEUD	07	1212	1344	1221	S17	W48	.784	13043	3.9	92	1N	3 C		2.17			UDE	
ATHN	07	1214	1345	1222	S17	W48	.784	13043	3.9	91	1N	C	1222	2.27	3.40			
BOUL	07	1217	1235	1219	S13	W48	.771	13043	3.9	18	-B	1	1219	1.02	1.30			
LOCA	07	1220	1250	1223	S16	W50	.800	13043	3.8	30	1N	V	1223		3.36			
	07	1225E	1345	1225	S16	W46	.760	13043	4.1	800	1N	V	1225	3.16	4.50			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-PORTANCE	OBS.	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMA PLAGE REGION	CMF DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60670	07	1514	1525	1516	S14 W54	.832	13043	3.6	11	--F			.56				4 4 4 5
MCMA	07	1512	16150	1514	S17 W54	.840	13043	3.6	630	-N	C	1514	.41	.70			EK
MEUD	07	1513	1518	1514	S13 W54	.830	13043	3.6	5	-F	C	1514	.41	.70			
HUAN	07	1514E	15170		S14 W55	.841	13043	3.5	30	-F	1 P	1515	.41	.72			
ATHN	07	1518	1531	1520	S11 W54	.826	13043	3.6	13	-N	1	1520	1.02	1.37			
GRP60671	07	1653	1705	1657	S15 W50	.797	13043	4.0	12	--F			.37				2 2 2 5
PALE	07	1653E	17030	1655	S15 W50	.797	13043	4.0	100	-F	2 C		.27				DE
RAMY	07	1655E	17050	16580	S15 W50	.797	13043	4.0	100	-F	3 V		.46				DE
4 STATIONS REPORTING GROUP 60673. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60673	07	1825	1851	1830	S15 W54	.835	13043	3.7	26	-N			1.06				4 4 3 4
MCMA	07	1820	19000	1830	S17 W57	.865	13043	3.5	400	1N	C	1830	1.03	2.00			E
RAMY	07	1825	18400	1829	S14 W52	.814	13043	3.9	150	-N	3 V		1.03				F
BOUL	07	1827	1847	1831	S14 W54	.832	13043	3.7	20	1N	V	1831		2.80			
PALE	07	1827E	1846	18300	S15 W54	.835	13043	3.7	190	-N	2 V		1.13				F
PALE	07	1853E	19060	18550	S17 W51	.813	13043	4.0	130	-F	2 V		.93				F
673 PALE	07	1834E	1841	18340	S14 W49	.784	13043	4.1	70	*-N	2 V		.21				DE 3
	07	1907	1932														
	07	1946	2014														
	07	2029	2035														
	07	2042	2143														
GRP60675	07	2126	2143	2126	S16 W55	.846	13043	3.8	17	-N			1.03				2 1 1 2
PALE	07	2126E	2143	21260	S16 W55	.846	13043	3.8	170	-N	1 V		1.03				F
HUAN	07	2143E	21450		S15 W58	.869	13043	3.6	20	-F	1 P	2144	.41	.81			
	07	2145	2152														
	07	2156	2205														
	07	2316	2330														
	08	0106	0112														
	08	0135	0147														
	08	0154	0237														
GRP60681	08	0631	0646	0635	S15 W62	.900	13043	3.6	15	1N			1.55				2 2 2 4
ABST	08	0631	0644	0633	S14 W60	.883	13043	3.8	13	2N	C	0633	2.44	5.40			EJ
ATHN	08	0634E	0648	0637	S15 W64	.914	13043	3.5	140	-N	3 V		.66				F
GRP60685	08	0957	1044	1005	S15 W61	.892	13043	3.8	47	-F			1.05				4 4 4 8
TEHR	08	0951	1040	1005	S16 W57	.863	13043	4.1	49	-F	4 C		.66				
ABST	08	0954	10150	1002	S14 W65	.919	13043	3.5	210	-F	P	1002	.87	2.00			DJ
MONT	08	0959	10040	1004	S15 W61	.892	13043	3.8	50	-N	C	1004	1.13				E
ABST	08	1000	10150	1005	S15 W61	.892	13043	3.8	150	1F	P	1005	1.75	4.00			EJ
ATHN	08	1005E	1048	1006	S15 W64	.914	13043	3.6	430	-N	3 V		.66				F
ABST	08	1048	11340	1051	S15 W63	.907	13043	3.7	460	-F	P	1051	.87	2.00			D
60686	08	1027	1043	1030	S16 W61	.894	13043	3.9	16	*-N			.82				3 3 3 5
MEUD	08	1000	1045	1028	S15 W60	.885	13043	3.9	45	-F	C	1028	.41	.80			
ABST	08	1024E	10380	1032	S16 W60	.887	13043	3.9	140	1N	P	1032	1.75	3.80			74
CATA	08	1030	1040	1030	S17 W64	.917	13043	3.6	10	-B	3	1030	.29				(229)
GRP60687	08	1229	1245	1232	S17 W62	.903	13043	3.9	16	-N			.70				8 8 7 8
TEHR	08	1227	1343	1233	S15 W58	.869	13043	4.2	76	-N	4 C		.91				F
MEUD	08	1228	1247	1232	S16 W62	.901	13043	3.9	19	-F	C	1232	.21	.40			
HUAN	08	1229	1246	1231	S16 W65	.922	13043	3.6	17	-N	1 C	1231	.36				
UPIC	08	1229	1244	1231	S16 W63	.908	13043	3.8	15	1B		1231	1.47				
MCMA	08	1229	1246	1230	S17 W62	.903	13043	3.9	17	-N	C	1230	.52	1.30			E
ATHN	08	1230E	1239	1232	S16 W60	.887	13043	4.0	90	-N	3 V		.99				F
BOUL	08	1230E	1247E	1233	S19 W61	.899	13043	3.9	170	-N	V	1233		2.00			DE
RAMY	08	1230	1247	1235	S17 W63	.910	13043	3.8	17	-N	2 C		.46				
GRP60689	08	1308	1327	1315	S14 W60	.883	13043	4.0	19	-N			.55				5 5 5 7
TEHR	08	1227	1343	1315	S15 W58	.869	13043	4.2	76	-N	4 C		.72				F
BOUL	08	1305	1324	1314	S14 W61	.891	13043	4.0	19	-N	C	1314	.54	1.10			
RAMY	08	1308	1328	1314	S15 W63	.907	13043	3.8	20	-F	2 C		.56				DE
MEUD	08	1310	1320	1316	S14 W58	.867	13043	4.2	10	-N	C	1316	.41	.80			
ATHN	08	1311	1320	1314	S14 W59	.875	13043	4.1	9	-N	1	1314	.52	.78			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-POR-TANCE	OBS.COND.	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
GRP60690	08	1438	1453	1442	S08	E89	1.000	13057	15.3	15	-N			.35				5 5 4 6
MONT	08	1435	1447	1441	S09	E86	.998	13057	15.1	12	-N	C	1441	.21				D
BOUL	08	1435	1507	1441	S09	E89	1.000	13057	15.3	32	-F	C	1441	.21	.85			
HUAN	08	1439	1456	1442	S08	E88	1.000	13057	15.2	17	-N	2 C	1442	.31				
MCMA	08	1440	1446	1441	S07	E90	1.000	13057	15.4	6	-N	C	1441					D
ATHN	08	1442	1451	1443	S05	E90	1.000	13057	15.4	9	-N	1	1443	.68	1.94			
GRP60691	08	1453	1528	1501	S15	H65	.920	13043	3.7	35	--N			.34				2 2 2 5
MCMA	08	1452	15400	1504	S17	H63	.910	13043	3.9	480	-N	C	1504	.26	.60			D
MONT	08	1454	1516	1457	S13	H66	.924	13043	3.7	22	-N	C	1457	.41				E
GRP60692	08	1540	1610	1542	S18	H64	.918	13043	3.9	30	-B			.75				5 4 3 6
BOUL	08	1338	15550	1542	S22	H64	.924	13043	3.8	1370	-N	V	1542		1.60			
MONT	08	1435	1443	1437	S15	H61	.892	13043	4.0	8	-F	C	1437	.21				
MCMA	08	1540	16200	1541	S17	H63	.910	13043	3.9	400	18	C	1541	.83	2.10			EV
RAHY	08	1540	1601	1545	S16	H65	.922	13043	3.8	21	-B	2 C		.74				DE
HUAN	08	1540	1610	1540	S15	H63	.907	13043	3.9	30	-N	2 C	1540	.67	1.53			
GRP60693	08	1720	1745	1724	S09	E89	1.000	13057	15.4	25	--F			.34				2 2 2 5
BOUL	08	1720	17450	1724	S09	E89	1.000	13057	15.4	250	-N	C	1724	.21	.85			
HUAN	08	1721E	1744		S09	E88	1.000	13057	15.3	230	-F	2 P	1730	.46				
GRP60694	08	1823	1838	1827	S16	H61	.894	13043	4.2	15	--F			.32				2 2 2 4
BOUL	08	1822	1843	1827	S14	H61	.891	13043	4.2	21	-F	C	1827	.32	.66			F
PALE	08	1824	1833	1827	S17	H61	.896	13043	4.2	9	-N	3 C		.31				
GRP60696	08	1954	2007	2001	S15	H63	.907	13043	4.1	13	--F			.35				2 2 2 3
BOUL	08	1948U	20100	2002	S15	H62	.900	13043	4.2	220	-N	C	2002	.43	.91			
HUAN	08	1959	2003	2000	S15	H63	.907	13043	4.1	4	-F	2 C	2000	.26				D
GRP60697	08	2224	2245	2226	S16	H68	.940	13043	3.8	21	--N			.44				2 2 2 2
PALE	08	2223	2245	2226	S15	H67	.933	13043	3.9	22	-N	3 C		.52				F
HUAN	08	2225	22250		S16	H68	.940	13043	3.8		-N	1 P	2225	.36				E
	09	0140	0149		NO FLARE PATROL													
598 PALE	09	0149E	0215	0149U	S15	H69	.944	13043	3.9	260	-B	3 V		.62				F U 1
GRP60700	09	0357	0403	0357	S16	H74	.969	13043	3.6	6	1N			.67				3 3 3 5
ABST	09	0356	0402	0357	S15	H73	.964	13043	3.7	6	1N	C	0357	1.05				74 OJV
TEHR	09	0357E	04000	0357U	S15	H72	.960	13043	3.8	30	-N	3 V		.25				44 DE
TACH	09	0358	0404	0358	S18	H78	.984	13043	3.3	6	1F	C	0358	.71				E
GRP60701	09	0520	0526	0521	S15	H69	.944	13043	4.0	6	1N			1.00				2 2 2 6
ABST	09	0520	0526	0521	S14	H70	.949	13043	4.0	6	1N	C	0521	.96				76 OV
MITK	09	0521E	05250		S15	H68	.939	13043	4.1	40	1N	P	0521	1.03				D
GRP60703	09	0538	0545	0541	S08	E78	.981	13057	15.1	7	-N			.62				3 3 3 4
ABST	09	0536	0545	0539	S09	E78	.981	13057	15.1	9	1N	C	0539	.87				69 DJ
TEHR	09	0539E	05450	0540U	S07	E78	.980	13057	15.1	60	-F	3 V		.33				
ATHN	09	0540	05450	0543	S09	E77	.977	13057	15.0	50	-N	1 C		.66				DE
GRP60704	09	0712	0736	0720	S15	H75	.973	13043	3.7	24	-N			.88				5 4 4 6
ABST	09	0632	07370	0719	S15	H80	.989	13043	3.3	650	1N	P	0719	.96				71 DJK
UPIQ	09	0640E	0652		S15	H77	.980	13043	3.5	120	-F		0640	.21				
MONT	09	0710	0735	0723	S15	H75	.973	13043	3.7	25	-N	C	0723	.62				E
ATHN	09	0713	07310	0720	S14	H71	.954	13043	4.0	180	-N	2 C		.66				DE
ATHN	09	0713	07310	0714	S14	H71	.954	13043	4.0	180	-N	2 C		.50				DE
LOCA	09	0716E	0737	0716	S15	H73	.964	13043	3.8	210	1N	V	0716	1.26	4.80			
GRP60705	09	0825	0834	0826	S15	H75	.973	13043	3.7	9	-N			.81				3 3 3 5
ABST	09	0825	0836	0826	S14	H79	.986	13043	3.4	11	1N	C	0826	1.40				71 EJVZ
ZURI	09	0825	0832	0826	S16	H73	.965	13043	3.9	7	-N	C	0826	.63	2.40			
MONT	09	0825	0835	0826	S16	H72	.960	13043	4.0	10	-N	C	0826	.41				D
5 STATIONS REPORTING GROUP 60709. 4 STATIONS OBSERVING AND NOT REPORTING.																		
GRP60709	09	1033	1128	1109	S14	H76	.976	13043	3.7	55	-N			.95				3 3 3 10
MONT	09	1033E	11280	1109	S15	H77	.980	13043	3.7	550	-N	C	1109	1.13				E
ABST	09	1104E	11220	1108	S13	H77	.979	13043	3.7	180	1N	P	1108	1.40				72 FJ
TEHR	09	1104E	11220	1110U	S15	H75	.973	13043	3.8	180	-N	4 V		.33				F
60709	09	1045	1056	1048	S16	H71	.956	13043	4.1	11	*-N			.76				2 2 2 8
ZURI	09	1044	1052	1048	S16	H74	.969	13043	3.9	8	-N	C	1048	.84	3.40			
ATHN	09	1046	1059	1048	S15	H68	.939	13043	4.3	13	-N	1	1048	.68	1.21			

OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	
GRP60712	09	1354	1406	1359	S17	H74	.970	13043	4.0	12	-N			.75			7 7 6 8
BOUL	09	1348	1409	1358	S16	H72	.960	13043	4.2	21	18			.86	2.40		
HUAN	09	1355	1403	1358	S16	H74	.969	13043	4.0	8	-F	1	C	1358			
ZUR1	09	1356	14020	1358	S16	H75	.973	13043	4.0	60	-N		P	1358	.84	3.70	
MCMA	09	1356	1402	1358	S17	H76	.977	13043	3.9	6	1N		C	1358	.52	2.20	
ATHN	09	1357E	1405	1359	S17	H71	.956	13043	4.3	80	1B	3	V		1.16		E
RAMY	09	1400E	14080	1401U	S17	H76	.977	13043	3.9	80	-N	3	V		.46		F
LOCA	09	1401E	1410	1401	S17	H71	.956	13043	4.3	90	-N		V	1401	.63	1.80	DE
GRP60714	09	1446	1453	1448	S16	H75	.973	13043	4.0	7	-N			.45			3 3 2 6
BOUL	09	1443	1453	1448	S14	H74	.968	13043	4.1	10	-F		V	1448	1.10		
MCMA	09	1448	1450	1449	S17	H78	.984	13043	3.8	2	-N		C	1449	.21	1.20	
ATHN	09	1448	1455	1448	S17	H73	.966	13043	4.1	7	-N	1		1448	.68	1.21	0
GRP60717	09	1731	1740	1733	S15	H79	.986	13043	3.8	9	-B			.47			5 5 4 5
RAMY	09	1730	17400	1732	S14	H78	.983	13043	3.9	100	-B	3	V		.37		
BOUL	09	1731	1740	1734	S14	H77	.979	13043	4.0	9	-N		C	1734	.64	2.03	OE
HUAN	09	1732	1736	1733	S15	H80	.989	13043	3.7	4	-N	1	C	1733	.36		
PALE	09	1733E	1742	1733U	S16	H77	.980	13043	4.0	90	-B	3	V		.52		OE
MCMA	09	1733E	1740		S17	H81	.991	13043	3.7	70	1B		C	1734			
GRP60721	09	1853	1904	1855	S15	H79	.986	13043	3.9	11	-N			.47			5 5 4 5
BOUL	09	1853	19120	1854	S15	H77	.980	13043	4.0	190	-N		C	1854	.54	1.69	
RAMY	09	1853	1903	1855	S14	H79	.986	13043	3.9	10	-B	3	V		.31		DE
PALE	09	1853	1903	1855	S15	H78	.983	13043	3.9	10	-B	2	C		.63		OE
MCMA	09	1854	1901	1857	S17	H82	.993	13043	3.6	7	-N		C	1857			
HUAN	09	1854	1902	1855	S15	H80	.989	13043	3.8	8	-N	1	C	1855	.41		
	09	2215	2217	NO FLARE PATROL													
	09	2232	2237	NO FLARE PATROL													
723 PALE	09	2237E	2250	2239	S09	E70	.945	13057	15.2	130	--F	2	C		.55		1
	09	2304	2310	NO FLARE PATROL													
724 PALE	09	2336E	2352	2339	S15	H85	.998	13043	3.6	160	-B	3	V		.52		OE 1
GRP60726	10	0554	0623	0601	S17	H88	1.000	13043	3.6	29	1N			1.27			5 5 5 7
ABST	10	0552	0650	0557	S17	H90	1.000	13043	3.5	58	1N		C	0557	1.66		
MANI	10	0553E	06230	0558	S18	H90	1.000	13043	3.5	300	1N	2		0558	.72	2.35	AFJK
ATHN	10	0556	0618	0603	S17	H88	1.000	13043	3.6	22	-B	3	C		.66		F
TACH	10	0559E	0611	0559	S15	H88	1.000	13043	3.6	120	2F		V	0559	2.90		65 ET
MONT	10	0606E	0615	0609	S18	H85	.998	13043	3.9	90	-N		C	0609	.41		D
GRP60730	10	1021	1044	1031	S16	H89	1.000	13043	3.8	23	--F			.50			2 2 2 4
MONT	10	1017	1041	1031	S18	H87	1.000	13043	3.9	24	-F		C	1031	.21		
ABST	10	1024	10460	1030	S14	H90	1.000	13043	3.7	220	1F		P	1030	.79		ADJ
GRP60732	10	1404	1421	1405	S10	E58	.861	13057	14.9	17	--F			.22			3 3 3 7
ATHN	10	1403E	14190	1404	S13	E55	.840	13057	14.7	160	-F	1	V		.17		F
MONT	10	1404	1421	1405	S09	E59	.868	13057	15.0	17	-F		C	1405	.21		
CATA	10	1405	1420	1405	S09	E60	.876	13057	15.1	15	-N	3		1405	.29	.60	(195)
GRP60733	10	1515	1542	1522	S17	H90	1.000	13043	3.9	27	-N			.62			2 2 1 5
RAMY	10	1514	1545	1518	S17	H90	1.000	13043	3.9	31	-N	3	C		.62		E
MONT	10	1515	1538	1525	S17	H90	1.000	13043	3.9	23	-N		C	1525			
GRP60734	10	1611	1616	1612	S09	E56	.841	13057	14.9	5	--F			.27			2 2 2 4
ATHN	10	1608	1619	1612	S10	E57	.852	13057	14.9	11	-N	3	C		.33		F
ATHN	10	1610E	1618	1611	S13	E54	.831	13057	14.7	80	-N	3	V		.17		F
HUAN	10	1611	1614	1612	S07	E57	.847	13057	14.9	3	-F	1	C	1612	.21	.40	0
736 PALE	10	1855	1910	1856	S05	E54	.816	13057	14.8	15	--F	2	C		.55		F 3
GRP60738	11	0405	0423	0410	S13	H74	.968	13051	5.6	18	--F			.39			2 2 2 6
TEHR	11	0404	0422	0410	S14	H75	.972	13051	5.5	18	-F	3	C		.45		
ATHN	11	0406	0424	0409	S12	H72	.958	13051	5.8	18	-F	3	C		.33		DE
	11	2208	2227	NO FLARE PATROL													
	12	0038	0046	NO FLARE PATROL													
	12	0049	0053	NO FLARE PATROL													
	12	0140	0159	NO FLARE PATROL													

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCWATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %		
					LAT.	MER. DIST.													
GRP60741 MONT ATHN	12	0943	0956	0947	S09	E34	.592	13057	15.0	13	--F			.89				2 2 2 5	
	12	0943	0956	0946	S08	E34	.587	13057	15.0	13	-F			.62					
	12	0944E	0956	0948	S10	E33	.584	13057	14.9	120	-F	4 V		1.16				DE	
GRP60742 MONT ATHN	12	1127	1137	1130	S13	E67	.931	13063	17.5	10	--F			.37				2 2 2 7	
	12	1126	11300	1129	S13	E66	.925	13063	17.4	40	-N			.41				E	
	12	1128	1137	1130	S13	E67	.931	13063	17.5	9	-F	4 C		.33				DE	
GRP60743 BOUL CATA ATHN MCHA HUAN	12	1335	1342	1338	S13	E65	.919	13063	17.4	7	--F			.27				5 5 5 7	
	12	1333	1346	1338	S13	E67	.931	13063	17.6	13	-F			.32	.79				
	12	1335	1345	1340	S15	E66	.928	13063	17.5	10	-N	1		.29			(178)		
	12	1336	1338	1337	S13	E65	.919	13063	17.4	2	-N	4 C		.33			DE		
	12	1336	1342	1337	S09	E62	.892	13063	17.2	6	-F			.21	.40		O		
	12	1336	1340	1338	S13	E66	.925	13063	17.5	4	-F	2 C		.21			O		
	12	2116	2135		NO FLARE PATROL														
	12	2148	2200		NO FLARE PATROL														
	12	2212	2230		NO FLARE PATROL														
	13	0100	0146		NO FLARE PATROL														
752 HUAN	13	0205	0210		NO FLARE PATROL														
	14	2200	2219		NO FLARE PATROL														
	15	2024	2027	2025	S13	E19	.432	13063	17.3	3	--F	2 C	2025	.21	.23			D 2	
	GRP60753 HUAN PALE	15	2039	2056	2050	S13	E20	.444	13063	17.4	17	--F			.24				2 2 2 2
		15	2039	2056	2047	S13	E19	.432	13063	17.3	17	-F	2 C	2047	.21	.23			O
GRP60754 ATHN MANI	15	2053E	20560	2053U	S13	E20	.444	13063	17.4	30	-F	2 C		.27				DE	
	15	2204	2205		NO FLARE PATROL														
	16	0544	0601	0548	S11	E14	.355	13063	17.3	17	--F			.83				2 2 2 4	
GRP60756 UPIC MANI MONT TEHR UPIC	16	0544	05580	0547	S10	E13	.332	13063	17.2	140	-N	2 V		.83				F	
	16	0545E	0601	0548	S12	E14	.367	13063	17.3	160	-F	2	0548	.83	.88			F	
	16	0752	0804	0757	S12	E15	.377	13063	17.5	12	--F			.64				4 4 4 9	
	16	0751	0805	0755	S14	E16	.412	13063	17.5	14	-F		0755	.42					
	16	0752	07580	0758U	S12	E15	.377	13063	17.5	60	-F	2	0758	.72	.78			F	
	16	0753	08010	0755	S12	E16	.388	13063	17.5	80	-N		0755	.93				O	
	16	0757E	0802	0758	S12	E15	.377	13063	17.5	50	-N	4 V		.50				F	
	16	0800	0805	0800	S12	E15	.377	13063	17.5	5	-F		0800	.42					
	16	2128	2137		NO FLARE PATROL														
	16	2209	2231		NO FLARE PATROL														
759 PALE	16	2320	2332		NO FLARE PATROL														
	16	2339	0000		NO FLARE PATROL														
	17	0004	0012		NO FLARE PATROL														
	17	0016	0030		NO FLARE PATROL														
	17	0040	0141		NO FLARE PATROL														
	17	0147	.0210		NO FLARE PATROL														
	17	0220	0230		NO FLARE PATROL														
	17	0257E	02580	0258U	S05	W33	.564	13057	14.6	10	--F	1 C		.55				DE H 3	
	GRP60760 ATHN PALE	17	0436	0451	0441	S11	E02	.269	13063	17.3	15	--F			.51				2 2 2 5
		17	0436	0450	0441	S11	E03	.272	13063	17.4	14	-F	3 C		.50				DE
17		0437E	04510	0440	S11	E01	.268	13063	17.3	140	-F	1 V		.52				DE	
GRP60763 ATHN BOUL MONT RAMY HUAN	17	1330	1344	1336	S17	E38	.685	13067	20.4	14	--F			.34				5 5 5 7	
	17	1324	1345	1336	S18	E38	.691	13067	20.4	21	-F			.33				DE	
	17	1324	13450	1337	S15	E38	.674	13067	20.4	210	-F		1337	.43	.54				
	17	1333	1344	1336	S21	E37	.699	13067	20.3	11	-N		1336	.41				EH	
	17	1333	1345	1335	S15	E39	.686	13067	20.5	12	-F	4 C		.21				DE H	
	17	1335	1340	1337	S15	E38	.674	13067	20.4	5	-F	2 C	1337	.31	.42				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MERIDIAN DIST.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH HD	MAX. INT. K	
GRP60765 BOUL PALE	17	1705	1735	1710	S13	H82	.993	13068	11.6	30	--F			.31				2 2 2 4
	17	1705	1743U	1707	S13	H81	.991	13068	11.6	380	-F			.21	.72			
	17	1711E	1727	1712U	S12	H83	.995	13068	11.5	160	-F	2	V	.41				
	17	2143	2318															
	17	2322	0046															
	18	0131	0138															
	18	0217	0237															
GRP60767 HUAN MONT MCHA ATHN RAMY	18	1447	1459	1452	S11	H15	.368	13063	17.5	12	--F			.60				5 5 5 7
	18	1446	1457	1453	S10	H14	.345	13063	17.6	11	-F	2	C	1453	.31	.33		
	18	1447	1501	1451	S11	H15	.368	13063	17.5	14	-N		C	1451	1.13			
	18	1448	1500	1453	S12	H14	.369	13063	17.6	12	-N		C	1453	.52	.50		E
	18	1448	1457	1452	S11	H15	.368	13063	17.5	9	-F	3	V		.66			OE
	18	1448	1502	1452	S11	H16	.379	13063	17.4	14	-F	3	C		.37			OE
GRP60769 PALE MCHA	18	2012	2020	2013	S11	H18	.403	13063	17.5	8	--F			.26				2 2 2 3
	18	2012	2018	2013	S10	H19	.405	13063	17.4	6	-F	3	V	.21				OE
	18	2019E	20220		S12	H17	.402	13063	17.6	30	-N		P	2022	.31			DL
GRP60772 MANI MANI VORO	19	0301	0344	0327	S11	H20	.428	13063	17.6	43	--N			.72				2 2 2 4
	19	0301	0344	0327	S12	H20	.438	13063	17.6	43	-N			.62	.66			
	19	0301	0344	0307	S12	H20	.438	13063	17.6	43	-F	2		.83	.91			F
	19	0329E	03380		S10	H20	.419	13063	17.6	90	-N		P	.81	.90	32.95	57	D
775 PALE	19	2010	2026	2013	N06	E73	.954	13079	25.3	16	--F	2	C	.52				OE 3
GRP60778 TEHR ATHN	20	0805	0825	0814	S12	E02	.291	13067	20.5	20	--F			.46				2 2 2 4
	20	0805	0822	0810	S12	E02	.291	13067	20.5	17	-F	3	C	.25				
	20	0816E	0827	0817U	S11	E02	.274	13067	20.5	110	-F	3	V	.66				F
	20	2252	2350															
	20	2400	0002															
	21	0013	0037															
	21	0455	0500															
	21	0523	0558															
783 ARCE	21	0935E	10000		S10	H58	.863	13063	17.0	250	--F		C	0940	.51	.90		3

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
	22	2104	2109																
790 PALE	22	2142	2149	2144U	S03	W78	.979 13064	17.1	7D	--F	2	C		.55				F	1
	22	2159	2200																
791 PALE	22	2202	2213	2205U	S01	W60	.985 13063	16.9	11	--F	2	C		.27				F	2
792 PALE	23	0033	0039	0034	S11	W31	.570 13067	20.7	6D	--F	2	C		.27				F	4
795 UPIC	23	0550	0600	0555	S17	W32	.623 13067	20.6	10	--F			0555	.63					3
	23	1813	1829																
GRP60800	23	1829	1845	1831	S08	E44	.717 13084	27.1	16	--N				.72				3 3 3 3	
PALE	23	1829E	18310	1831U	S08	E43	.705 13084	27.0	20	-F	2	C		.45					
RANY	23	1830E	18310	1831U	S08	E46	.740 13084	27.2	10	-N	2	C		.65				DE	
BOUL	23	1831E	1845	1832	S07	E44	.714 13084	27.1	14D	-N		C	1832	1.07	1.50				
	23	1831	1835																
	23	1953	2005																
GRP60801	23	2230	2249	2232	S15	E04	.349 13088	24.2	19	-N				1.20				3 2 2 6	
PALE	23	2230	2246	2232	S14	E05	.337 13088	24.3	16	-N	3	C		1.54				DE	
BOUL	23	2230E	2242	2232	S15	E02	.344 13088	24.1	12D	-N		C	2232	.86	.86				
MANI	23	2247E	2300	2247U	S16	E06	.372 13088	24.4	13D	-F	2		2247	.83	.88				
	23	2317	2343	2318	S15	E06	.357 13088	24.4	26	--N				.54				2 2 2 4	
GRP60802	23	2317	2343	2318U	S14	E05	.337 13088	24.3	26	-N	1	C		.45				F	
PALE	23	2318E	2338D	2318U	S16	E06	.372 13088	24.4	20D	-N	2		2318	.62	.66			F	
MANI																			
GRP60805	24	0019	0103	0036	S16	E48	.788 13084	27.6	44	--F				.50				2 2 2 5	
PALE	24	0019	0058	0036U	S20	E47	.794 13084	27.5	39	-F	2	C		.45				F	
VORO	24	0042E	0107		S12	E48	.774 13084	27.6	25D	-N		C	0046	.54	.90	4.65	58	EJ	
	24	0142	0157	0144	S15	E04	.350 13088	24.4	15	--F				.36				2 2 2 4	
GRP60807	24	0142	0156	0144	S14	E03	.332 13088	24.3	14	-F	2	C		.19				F	
PALE	24	0142E	0157D	0143U	S16	E05	.370 13088	24.4	14D	-N	2		0143	.52	.55			F	
MANI																			
814 MANI	24	2255E	2307	2256U	S13	W10	.353 13088	24.2	12D	--F	1		2256	.31	.33				2
	25	1540	1555	1548	S11	E22	.458 13084	27.3	15	--F				.54				2 2 1 5	
GRP60818	25	1532	1600	1547	S11	E21	.446 13084	27.2	28	-F		C	1547	.54	.58				
BOUL	25	1547	1550	1549	S11	E22	.458 13084	27.3	3	-F	1	C							
HUAN																			
GRP60821	25	2100	2115	2105	S08	E12	.306 13084	26.8	15	--F				.32				3 3 3 3	
BOUL	25	2059	2122	2105	S08	E13	.318 13084	26.8	23	-F		C	2105	.54	.55				
PALE	25	2059	2118	2104	S09	E11	.308 13084	26.7	19	-F	3	C		.21					
HUAN	25	2101	2106	2106U	S08	E13	.318 13084	26.9	5	-F	1	C	2106	.21	.22			D	
GRP60824	(See in Unconfirmed List)																		
60824	26	0647	0729	0700	S15	E51	.814 13101	30.1	42	--F				1.81				2 2 2 6	
ATHN	26	0644	0726	0655	S16	E49	.798 13101	30.0	42	1F	3	C		1.82				F S	
TEHR	26	0650	0732	0704	S13	E53	.826 13101	30.3	42	-N	4	V		1.80				Z F	
TEHR	26	0650	0732	0659	S13	E53	.826 13101	30.3	42	-N	4	V		.83				Z F	
	26	1428	1441	1431	S10	E39	.666 13095	29.5	13	--N				.51				6 5 5 8	
GRP60829	26	1403	1430D	1407	S11	E40	.682 13095	29.6	27D	-F	2	C		.17				DE	
ATHN	26	1405E	1412	1406U	S12	E40	.687 13095	29.6	7D	-F	3	V		.50				DE	
CATA	26	1425	1435	1425	S12	E39	.675 13095	29.5	10	-B	3		1425	.87	1.17			(209)	
MEUD	26	1428	1440	1431	S11	E38	.658 13095	29.5	12	-F		C	1431	.41	.50				
HUAN	26	1429	1445	1431	S09	E41	.686 13095	29.7	16	-N	2	C	1431	.26	.35			D	
ZURI	26	1430	1440	1434	S10	E38	.654 13095	29.5	10	-F		C	1434	.53	.70				
RANY	26	1435E	1443	1435U	S10	E39	.666 13095	29.5	8D	-N	4	C		.46				DE	
	26	1827	1840	1834	S09	E37	.637 13095	29.5	13	--F	1	C	1834	.21	.27			D	3
GRP60833	26	2123	2137	2126	S18	W40	.717 13088	23.9	14	--F				.37				4 4 4 4	
RANY	26	2122	2140	2126	S18	W41	.727 13088	23.8	18	-F	4	C		.52				DE	
HUAN	26	2123	2133	2127	S19	W42	.743 13088	23.7	10	-N	1	C	2127	.31	.47				
MCMA	26	2125E	2127D		S18	W34	.654 13088	24.3	2D	-F		P	2126	.21	.30			D	
PALE	26	2125E	2129D	2125U	S18	W41	.727 13088	23.8	4D	-N	3	C		.45				F	
	26	2225	2243	2233	S10	E35	.617 13095	29.6	18	-N				.92				3 3 3 5	
GRP60834	26	2225	2231D		S09	E36	.624 13095	29.6	6D	-N	1	P	2230	.31	.39			E	
HUAN	26	2228E	2242D	2235U	S11	E34	.610 13095	29.5	14D	-N	2	C		.81				F	
PALE	26	2228E	2243	2230	S11	E36	.634 13095	29.6	15D	-N	1		2230	1.65	2.13			H	

OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IMPORTANCE	OBS.	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
GRP60837 HUAN PALE MCMA	27	1953	2001	1955	S09	H07	.275	13084	27.3	8	--N				.47			3 3 2 3
	27	1953	1959	1954	S09	H07	.275	13084	27.3	6	-F	1	C					
	27	1953E	2003	1956	S09	H06	.268	13084	27.4	100	-N	2	V		.62		F	
	27	1954	2000	1955	S09	H08	.283	13084	27.2	6	-N		C	1955	.31	.30	0	
	27	2143	2149	NO FLARE PATROL														
	27	2209	2220	NO FLARE PATROL														
	27	2224	2229	NO FLARE PATROL														
	27	2332	2348	NO FLARE PATROL														
GRP50839 BOUL PALE MCMA HUAN MEUO	28	1709	1727	1713	S13	E27	.538	13101	30.7	18	--N				.82		5 5 5 6	
	28	1707	1744	1713	S12	E26	.518	13101	30.7	37	-F		C	1713	1.39	1.55		
	28	1708	1719	1712	S13	E28	.550	13101	30.8	11	-N	3	C		.72		DE	
	28	1709	1730	1712	S13	E26	.526	13101	30.7	21	-B		C	1712	.52	.60	E	
	28	1710	1721	1713	S12	E27	.530	13101	30.7	11	-F	1	C	1713	.46	.55	E	
	28	1711E	1722		S13	E26	.526	13101	30.7	110	-N		C	1713	1.03	1.20		
840 BOUL	28	2053E	21100	2055U	S16	E65	.926	13109	2.7	170	-N		V	2055		1.90	2	
	28	2151	2219	NO FLARE PATROL														
	28	2243	2250	NO FLARE PATROL														
	28	2345	2352	NO FLARE PATROL														
	29	0459	0500	NO FLARE PATROL														
844 RAMY	29	2200	2217	NO FLARE PATROL														
	29	2225	22300	2229U	S10	H04	.276	13095	29.6	50	--F	2	C		.93		F 2	
	29	2230	2232	NO FLARE PATROL														
	29	2255	2347	NO FLARE PATROL														
845 BOUL	29	2350	2355	NO FLARE PATROL														
	30	0125	0133	0130	S10	H43	.714	13084	26.8	8	--F		C	0130	.21	.29	2	
GRP60846 TEHR ARCE MONT CATA HEND MONT	30	0817	0900	0834	S10	H11	.327	13095	29.5	43	-N				1.81		5 5 5 7	
	30	0803	08470	0835	S12	H11	.354	13095	29.5	440	-N	3	C		.36		F	
	30	0812E	08500		S08	H11	.301	13095	29.5	380	1N		C	0837	2.28	2.40		
	30	0819	0907	0827	S10	H11	.327	13095	29.5	48	-N		C	0827	1.13			
	30	0820	0900	0840	S10	H11	.327	13095	29.5	40	-N	3		0840	1.16	1.22	(182)	
	30	0821E	0853		S10	H11	.327	13095	29.5	320	1F		V		4.13			
	30	0903	09520	0912	S10	H09	.309	13095	29.7	490	-N		C	0912	1.86			
	30	1843	1917	1850	S12	H17	.413	13095	29.5	34	--F				.31		3 2 2 5	
GRP60848 PALE BOUL MCMA	30	1841E	1909	1847	S12	H17	.413	13095	29.5	280	-F	3	C		.36		DE	
	30	1844E	19300	1904	S15	H17	.448	13095	29.5	460	-F		C	1904	.21	.22		
	30	1845	1925	1853	S12	H17	.413	13095	29.5	40	-F		C	1853	.26	.30		
GRP60850 MCMA PALE	30	2045	2053	2049	S15	H03	.356	13101	30.6	8	--N				.84		2 2 2 2	
	30	2045	20530		S15	H03	.356	13101	30.6	80	-N		C	2048	.41	.40	E	
	30	2046E	20520	2049	S14	H02	.337	13101	30.7	60	-N	3	C		1.27		DE	
	30	2127	2134	NO FLARE PATROL														
	30	2145	2210	NO FLARE PATROL														
	30	2225	2234	NO FLARE PATROL														
	30	2236	2242	NO FLARE PATROL														
	30	2310	2318	NO FLARE PATROL														
	31	0003	0007	NO FLARE PATROL														
	31	0010	0012	NO FLARE PATROL														
	31	0020	0026	NO FLARE PATROL														
	31	0248	0257	NO FLARE PATROL														
	31	0405	0420	NO FLARE PATROL														

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY				TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	HER. DIST.												
GRP60852	31	0734	0743	0735	S10	W22	.453	13095	29.7	9	--F		.67				4 4 4 5	
UPIC	31	0730	0741	0735	S09	W21	.432	13095	29.7	11	-F		0735	.85				
MONT	31	0734	0743	0736	S11	W21	.450	13095	29.7	9	-F	C	0736	.21				
BUCA	31	0735	0748		S07	W23	.442	13095	29.6	13	-F	C	0738	.78	.90		F	
ATHN	31	0735E	0741	0735U	S11	W21	.450	13095	29.7	60	-F	3 V		.83				
GRP60853	31	0919	0933	0921	S09	W25	.484	13095	29.5	14	--N		.92				7 7 7 7	
BUCA	31	0915	0950		S09	W21	.432	13095	29.8	35	-F	C	0920	1.66	1.80		DH	
MONT	31	0919	0931	0921	S09	W24	.471	13095	29.6	12	-N	C	0921	.41				
CATA	31	0920	0935	0920	S08	W26	.490	13095	29.4	15	-B	3	0920	.58	.66	(257)	F H	
ATHN	31	0920E	0930	0922U	S09	W25	.484	13095	29.5	100	-N	3 V		.66				
ZURI	31	0920E	0926	0920	S08	W26	.490	13095	29.4	60	-N	P	0920	.84	.90			
MEUD	31	0920	0932	0922	S10	W27	.517	13095	29.4	12	-N	C	0922	.41	.50		CDH	
KHAR	31	0920E	0927D		S08	W27	.503	13095	29.4	70	1N	P	0920	1.90	2.20	.18		
GRP60855	31	1917	2035	1925	S11	W65	.919	13084	26.9	78	1F		1.76				2 2 2 5	
BOUL	31	1917E	2035D	1925	S11	W64	.912	13084	27.0	78D	2F	C	1925	3.21	7.26			
PALE	31	1922E	1929D	1925U	S10	W65	.918	13084	26.9	70	-F	2 V		.31			H	

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.

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
740701	87.40	22.9	740711	0.00	23.7	740721	0.00	22.9
740702	112.62	23.9	740712	0.00	22.7	740722	0.00	22.6
740703	467.37	24.0	740713	0.00	23.1	740723	7.60	23.5
740704	513.97	24.0	740714	0.00	23.7	740726	21.76	24.0
740705	264.43	24.0	740715	0.00	24.0	740727	0.00	23.4
740706	117.44	22.7	740716	0.00	22.9	740728	0.85	23.3
740707	57.63	19.9	740717	0.00	19.1	740729	0.00	22.7
740708	25.19	23.0	740718	0.00	23.5	740730	17.29	23.1
740709	31.88	23.6	740720	0.00	23.0	740731	16.35	23.4
740710	10.54	24.0						

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

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
501 MANI	01	0530E	0535D	0530U	S11	W10	.293	13030	28.5	50	-F	2	0530	.41	.43			3
505 MONT	01	0741	0759	0744	S13	E36	.631	13043	4.0	18	-N	C	0744	.62				E 5
506 ATHN	01	0749	0801	0750	S31	E15	.598	13037	2.5	12	-F	1	0750	.52	.53			5
510 ABST	01	1003	1007	1004	S10	W12	.302	13030	28.5	4	-F	C	1004	.87	.90			E 5
514 MONT	01	1209	1214	1212	S08	W16	.330	13030	28.3	5	-F	C	1212	.21				4
516 MONT	01	1404	1447	1412	S13	E31	.568	13043	3.9	43	-N	C	1412	.72				E 6
524 MANI	02	0147	0156	0149	S14	E21	.452	13043	3.6	9	-F	2	0149	.31	.34			F 3
526 MANI	02	0337E	0359D	0338	S15	E24	.497	13043	4.0	220	-N	2	0338	.31	.35			5
527 ATHN	02	0411	0418	0414	S03	W75	.967	13028	24.5	7	-F	3 C		.17				DE 5
533 MONT	02	0730	0736	0731	S11	W27	.504	13030	28.3	6	-F	C	0731	.21				9
534 MANI	02	0747E	0758D	0747U	S11	W28	.517	13030	28.2	110	-F	2	0747	1.03	1.21			F 9
536 MANI	02	0836E	0848D	0848U	S11	W29	.531	13030	28.2	120	-F	2	0848	1.03	1.22			F 11
537 ABST	02	0904	0911	0906	S09	W29	.519	13030	28.2	7	-F	C	0906	1.05	1.30			D 10
539 MONT	02	1034	1040	1035	S13	E24	.480	13043	4.2	6	-F	C	1035	.21				8
540 MONT	02	1103	1116	1106	S15	E20	.450	13043	4.0	13	-N	C	1106	.62				E 6
GRP60544	02	1716	1737	1723	S15	E15	.396	13043	3.8	21	-F			1.84				2 2 2 6
ZURI	02	1711	1747	1719	S14	E16	.394	13043	3.9	36	-N	C	1719	3.16	3.40			
ATHN	02	1720	1727	1727	S15	E14	.386	13043	3.8	7	-F	1	1727	.52	.50			
545 ZURI	02	1800	1815	1806	S15	E14	.386	13043	3.8	15	-N	C	1806	1.47	1.60			5
549 MANI	03	0131	0148	0138	S11	W38	.647	13030	28.2	17	-N	2	0138	.52	.69			3
553 MANI	03	0300	0310D	0308	S10	W39	.656	13030	28.2	100	-F	2	0308	.52	.69			F 4
GRP60554	03	0300	0413	0353	S14	E10	.338	13043	3.9	73	-F			.84				2 2 2 6
MANI	03	0300	0425D	0353	S15	E08	.338	13043	3.7	850	-N		0353	1.34	1.42			
ATHN	03	0348	0400	0352	S12	E11	.319	13043	4.0	12	-F	2 C		.33				
555 MONT	03	0649	0653	0650	S17	E12	.396	13043	4.2	4	-F	C	0650	.21				6
556 MONT	03	0725	0733	0727	S17	E12	.396	13043	4.2	8	-F	C	0727	.41				7
557 MONT	03	0740	0748	0742	S10	E01	.227	13043	3.4	8	-F	C	0742	.21				7
* GRP60559	03	0944	1007	0946	S15	E09	.344	13043	4.1	23	-N			1.48				4 4 4 7
MONT	03	0942	1012	0945	S15	E08	.338	13043	4.0	30	-N	C	0945	1.13				
TEHR	03	0943E	1012D	0945	S14	E09	.330	13043	4.1	290	-N	4 V		1.84				
ATHN	03	0944	0955	0946	S15	E09	.344	13043	4.1	11	-F	1	0946	1.21	1.43			
CATA	03	0945	1010D	0948	S16	E10	.366	13043	4.2	250	-B	3	0948	1.73	1.86	(263)		
560 MONT	03	1111	1123	1115	S10	W37	.631	13030	28.7	12	-N	C	1115	.41				E 7
562 MONT	03	1253	1313	1258	S15	E08	.338	13043	4.1	20	-F	C	1258	.41				6
563 MONT	03	1308	1324	1318	S08	W41	.674	13030	28.5	16	-F	C	1318	.21				7
567 ATHN	03	1513	1528	1516	S11	E05	.258	13043	4.0	15	-N	1	1516	.52	.50			5
568 BOUL	03	1721	1735	1725	S13	W03	.281	13043	3.5	14	-F	C	1725	.75	.75			4
569 BOUL	03	1740	1747	1743	S05	W51	.784	13030	27.9	7	-F	C	1743	.43	.66			4
575 PALE	03	2244E	2246D	2244U	S11	W48	.764	13030	28.3	20	-F	2 V		.31				3
581 MANI	04	0255E	0306D	0255U	S10	W52	.803	13030	28.2	110	-N	1	0255	.62	1.01			4
GRP60583	04	0334	0350	0337	S10	W53	.813	13030	30.2	16	-F			.53				2 2 2 6
ATHN	04	0334	0350	0337	S09	W54	.821	13030	28.1	16	-F	1 C		.33				
MANI	04	0337E	0348D	0337U	S10	W52	.803	13030	28.3	110	-F	1	0337	.72	1.18			
584 TEHR	04	0345E	0401D	0349	S14	W01	.296	13043	4.1	160	-F	3 V		.25				F 5
586 MONT	04	0759	0800	0759	S10	W54	.823	13030	28.3	1	-F	C	0759	.21				4

* Should be in Confirmed List.

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCNATH FLAGE REGION	CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %					
GRP60587	04	1105	1123	1113	S15	W06	.328 13043	4.0	18	-B				1.43				2 2 2 7
ATHN	04	1105	1123	1112	S15	W07	.333 13043	3.9	18	-B	3	V		.99				F
ATHN	04	1105	1123	1109	S15	W07	.333 13043	3.9	18	-F	3	V		.50				F
MONT	04	1112E	1347	1114	S15	W05	.323 13043	4.1	1550	-N		C	1114	1.86				B
593 HUAN	04	1936E	19400		S17	W11	.389 13043	4.0	40	-F	1	P	1937	.31	.33			3
*GRP60503	05	0857	0907	0859	S16	W19	.453 13043	3.9	10	-F				.46				2 2 2 10
ATHN	05	0856	08580	0858	S16	W18	.442 13043	4.0	20	-N	3	C		.50				DE
MONT	05	0858	0904	0859	S15	W16	.410 13043	4.2	6	-F		C	0859	.41				DE
ATHN	05	0859	0910	08590	S17	W22	.496 13043	3.7	11	-N	3	V		.33				DE
ATHN	05	0859	0910	08590	S17	W22	.496 13043	3.7	11	-N	3	V		.33				DE
GRP60504	05	0930	0947	0934	S17	W18	.453 13043	4.0	17	-N				.69				2 2 2 8
ZURI	05	0928	0944	0934	S17	W18	.453 13043	4.0	16	-N		C	0934	.85	.90			E
MONT	05	0931	0949	0934	S16	W18	.442 13043	4.0	18	-N		C	0934	.52				
605 MONT	05	1016	1039	1019	S16	W18	.442 13043	4.1	23	-F		C	1019	.41				8
606 MONT	05	1035	1044	1039	S10	W69	.940 13030	28.3	9	-F		C	1039	.21				8
608 BOUL	05	1315	1330	1319	N09	E69	.932 13050	10.7	15	-F		C	1319	.54	1.39			11
GRP60610	05	1338	1419	1408	N08	E71	.944 13050	10.9	41	-F				.64				2 2 2 10
BOUL	05	1338	1430	1410	N08	E70	.938 13050	10.8	52	1F		C	1410	.86	2.31			
MONT	05	1403	1407	1405	N08	E71	.944 13050	10.9	4	-F		C	1405	.41				
614 BOUL	05	1756	1845	1802	S14	W22	.467 13043	4.1	49	-F		C	1802	1.82	1.96			4
615 BOUL	05	1923	1935	1926	S27	W24	.617 13043	4.0	12	-F		C	1926	.32	.35			5
617 PALE	05	2028	2038	2032	S15	E03	.318 13051	6.1	10	-F	3	V		.41				H 3
621 PALE	06	0029E	0033	0031	S14	W26	.517 13043	4.1	40	-F	2	C		.36				DE 4
625 PALE	06	0203E	02100	02040	S14	E00	.299 13051	6.1	70	-F	2	V		.52				DE 3
626 PALE	06	0225E	02410	0229	S14	E00	.299 13051	6.1	160	-F	2	V		.41				DE 3
GRP60627	06	0303	0324	0303	S10	W76	.974 13030	30.4	21	-N				.62				2 1 1 6
PALE	06	0303E	03240	03030	S10	W76	.974 13030	28.4	210	-N	2	V		.62				DE
MANI	06	0314E	03210	03140	S10	W78	.981 13030	28.3	70	-F	1		0314	.52	1.30			F
628 MANI	06	0422E	04290	04240	S17	W27	.553 13043	4.2	70	-F	2		0424	.41	.50			7
629 MANI	06	0454	0458	0454	S17	W30	.587 13043	4.0	4	-F	2		0454	.31	.38			5
630 MANI	06	0537	05400	05400	S14	W01	.299 13051	6.2	30	-F	2		0540	.31	.32			F 6
631 MANI	06	0549E	06030	05490	S17	W32	.610 13043	3.8	140	-F	2		0549	.41	.52			5
GRP60632	06	0623	0639	0626	S15	W28	.549 13043	4.2	16	-N				.19				2 2 2 6
MANI	06	0623E	06420	06230	S14	W29	.553 13043	4.1	190	-N	1		0623	.21	.25			DE
ATHN	06	0628E	0635	0629	S16	W26	.533 13043	4.3	70	-N	4	V		.17				
637 MANI	06	0859E	09080	0902	S14	W29	.553 13043	4.2	90	-N	1		0902	.21	.25			6
638 MANI	06	0912E	09250	0913	S14	W36	.639 13043	3.7	130	-N	2		0913	.41	.54			FZ 6
639 MANI	06	0918E	09250	09250	S17	W33	.622 13043	3.9	70	-N	2		0924	.62	.79			6
640 ATHN	06	0939	0953	0941	S16	W27	.545 13043	4.4	14	-B			0941	.52	.53			6
644 MONT	06	1120	1127	1122	S14	W47	.763 13037	2.9	7	-F		C	1122	.62				6
645 MONT	06	1141	1146	1143	S10	W86	.998 13030	28.0	5	-F		C	1143	.21				7
GRP60646	06	1253	1303	1254	S17	W32	.610 13043	4.1	10	-F				.17				2 1 1 8
ATHN	06	1253	1303	1254	S17	W32	.610 13043	4.1	10	-F			1254	.17	.18			
BOUL	06	1302	1320	1307	S15	W33	.609 13043	4.1	18	-F		C	1307	.32	.38			
650 HUAN	06	1600	1604	1600	S14	W36	.639 13043	4.0	4	-F	2	C	1600	.21	.27			D 6
655 PALE	06	2052	20570	2053	S13	W44	.727 13043	3.6	50	-F	2	V		.41				DE 4
656 PALE	06	2104E	2110	2105	S13	W39	.670 13043	4.0	60	-F	2	V		.31				DE 4

* Should be in Confirmed List.

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60659	07	0310	0320	0310	S13	H43	.717	13043	3.9	10	-N			.41				1 1 1 3
MANI	07	0310E	0320D	0310U	S15	H43	.724	13043	3.9	10D	-N	1	0310	.41	.61			F
MANI	07	0310E	0320D	0310U	S11	H44	.721	13043	3.8	10D	-N	1	0310	.41	.59			F
661 ABST	07	0440	0516D	0446	S12	H48	.768	13043	3.6	36D	1F	P	0446	1.75	2.80			E 4
667 ATHN	07	0942	1009	0942	S10	H60	.877	13037	2.9	27	-F	1	0942	.34	.47			7
GRP60568	07	1135	1147	1143	S16	H48	.780	13043	3.9	12	-F			.29				2 2 2 8
MEUD	07	1133	1148	1142	S15	H48	.777	13043	3.9	15	-N	C	1142	.21	.30			
RAMY	07	1136	1145	1143	S17	H47	.774	13043	4.0	9	-F	3		.37				F
672 RAMY	07	1720E	1735D	1723	S14	H51	.804	13043	3.9	15D	-N	3	V	.77				U 3
674 PALE	07	1931E	1932D	1931U	S14	H50	.794	13043	4.1	10	-F	1	V	.21				OE 3
676 ABST	08	0519	0524	0520	S17	H65	.923	13043	3.3	5	-F	C	0520	.79				D 6
677 ATHN	08	0525E	0537	0525U	S16	H62	.901	13043	3.6	12D	-F	2	V	.50				F 6
678 ATHN	08	0535E	0545	0535U	S13	H60	.882	13043	3.7	10D	-F	2	V	.66				F 6
679 ABST	08	0537	0610	0544	S11	H75	.970	13037	2.6	33	1F	C	0544	.87				DJ 6
680 ABST	08	0555	0604	0556	S14	H65	.919	13043	3.4	9	-F	C	0556	.79				DJV 8
682 ABST	08	0656	0712	0658	S11	H77	.978	13037	2.5	16	1F	C	0658	.87				D 6
GRP60583	08	0800	0805	0800	S16	H56	.855	13043	4.1	5	-N			.67				2 2 2 6
ABST	08	0759	0804	0800	S15	H56	.852	13043	4.1	5	-N	C	0800	1.05	2.00			DJV
CATA	08	0800	0805	0800	S16	H56	.855	13043	4.1	5	-N	3	0800	.29	.55			(191)
684 ABST	08	0832E	0910	0835	S14	H63	.905	13043	3.6	38D	1F	P	0835	1.14	2.60			FJ 6
685 ABST	08	0848	0934	0859	S11	H80	.987	13037	2.4	46	1F	C	0859	.79				DJ 7
688 BOUL	08	1250E	1332	1302	S07	E90	1.000	13057	15.3	42D	-F	C	1302	.11	.43			8
695 BOUL	08	1855	1908	1859	S14	H61	.891	13043	4.2	13	-F	C	1859	.32	.66			4
699 ABST	09	0348E	0412D	0349	S09	E79	.984	13057	15.1	24D	1N	P	0349	.87			65	8DJ 5
702 ABST	09	0528	0532	0529	S13	H75	.971	13043	3.6	4	1F	C	0529	.96				EV 6
706 MONT	09	0832	0844	0837	S16	E90	1.000	13062	16.1	12	-F	C	0837	.21				6
707 MONT	09	0859	0909	0904	S16	H73	.965	13043	3.9	10	-F	C	0904	.21				5
708 MONT	09	0916	0925	0921	S15	H76	.976	13043	3.7	9	-F	C	0921	.41				4
710 RAMY	09	1140E	1150D	1143	S17	H75	.974	13043	3.9	10D	-B	3	V	.33				OE 3
711 BOUL	09	1223E	1245	1225	S15	H76	.976	13043	3.8	22D	-N	V	1225		1.20			6
713 ATHN	09	1437	1441	1437	S08	E69	.939	13057	14.8	4	-F	1	1437	.17	.29			6
715 MCMA	09	1521	1530	1523	S17	H79	.987	13043	3.7	9	-F	C	1523	.21	1.20			D 6
716 BOUL	09	1630	1636	1634	S15	H77	.980	13043	3.9	6	-F	C	1634	.32	1.01			7
718 BOUL	09	1747	1753	1748	S17	H80	.989	13043	3.7	6	-F	C	1748	.21	.72			5
719 BOUL	09	1810	1835	1812	S15	H81	.991	13043	3.7	25	-F	C	1812	.43	1.45			5
720 BOUL	09	1833	1850	1839	S09	E73	.961	13057	15.2	17	-F	C	1839	.32	.92			4
722 PALE	09	2053	2107	2059	S16	H90	1.000	13043	3.1	14	-N	2	C	.36				5
725 ABST	10	0450	0500	0454	S14	H90	1.000	13043	3.5	10	1F	C	0454	.20				A0J 4
727 MONT	10	0702	0706	0704	S09	E62	.892	13057	14.9	4	-N	C	0704	.21				D 5
728 MONT	10	0744	0747	0745	S11	E87	.999	13062	16.8	3	-F	C	0745	.21				6
729 ABST	10	0849	0853	0850	S10	E66	.922	13057	15.3	4	-F	C	0850	.87				DJV 5
731 MONT	10	1322	1326	1323	S17	H90	1.000	13043	3.8	4	-F	C	1323	.21				8
735 BOUL	10	1628	1648	1632	S06	E50	.776	13057	14.4	20	-F	C	1632	.21	.34			6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
737 PALE	11	0306E	0312	0308	S13	H67	.931	13051	6.1	60	-F	2	C		.36				DE	5
739 MANI	11	0426E	0458	0435	S01	E17	.304	13059	12.5	320	-F	1		0435	.52	.54			F	6
740 MONT	11	0731	0741	0734	S19	H90	1.000	13043	4.6	10	-F		C	0734	.41					6
744 ABST	14	0628	0637D	0633	S12	E90	1.000	13067	21.0	90	1F		P	0633	.79				ADJ	4
745 ABST	14	0649E	0711D	0652	S14	E90	1.000	13067	21.0	220	1F		P	0652	.96				ADJ	5
746 CATA	14	0935	1000	0940	S12	E90	1.000	13067	21.1	25	2N	3		0940	.58			(158)		5
747 ABST	15	0558E	0707D	0613	S13	E78	.983	13067	21.1	690	1F		P	0613	.87				DJK	5
748 UPIC	15	1050	1105	1055	S14	E73	.964	13067	20.9	15	-F		C	1055	.42					8
749 MONT	15	1153	1156	1155	S08	H10	.273	13057	14.7	3	-F		C	1155	.21					8
750 RAMY	15	1226	1255D	1235	S13	E25	.504	13063	17.4	290	-F	3	C		.31				DE	6
751 HUAN	15	1520	1526	1522	S13	E23	.480	13063	17.4	6	-F	2	C	1522	.31	.36				5
755 MANI	16	0610E	0620	0615U	S12	E15	.377	13063	17.4	100	-F	2		0615	.72	.78			F	4
GRP60757	16	0838	0900	0839	S12	E14	.367	13063	17.4	22	-N		C		.97				2 2 2	8
ARCE	16	0837	0900	0837	S12	E16	.388	13063	17.6	23	-N		C	0837	1.27	1.40			H	
ATHN	16	0838	0848D	0841	S12	E12	.347	13063	17.3	100	-N	3	C		.66				F	
758 ARCE	16	0905	0915D	0910	S11	E14	.355	13063	17.4	100	-F		C	0910	.83	.80				10
761 MONT	17	0949	1000	0952	S04	H86	.998	13068	11.0	11	-F		C	0952	.21					5
762 MONT	17	1257	1331	1310	S04	H88	1.000	13068	10.9	34	-N		C	1310	.41				D	9
764 BOUL	17	1443	1504	1448	S14	H81	.991	13068	11.5	21	-F		C	1448	.43	1.45				6
766 CATA	18	1158	1200	1150	S11	H14	.357	13063	17.4	10	-B	3		1150	.58	.62		(209)		6
768 BOUL	18	1842	1846	1843	S11	H16	.379	13063	17.6	4	-F		C	1844	.43	.45				4
770 BOUL	18	2026	2100	2026	S11	H21	.440	13063	17.3	34	-F		V	2026		.25				3
771 MANI	19	0000E	0015	0002U	S12	H18	.414	13063	17.6	150	-F	1		0002	.83	.89			F	3
773 ATHN	19	0441E	0449	0444	S05	H25	.451	13064	17.3	80	-F	3	V		.66				DE	4
774 BJUL	19	1401	1407	1403	S10	H31	.562	13063	17.3	6	-F		C	1403	.43	.50				6
776 PALE	20	0226E	0230D	0226U	S10	H38	.651	13063	17.3	40	-N	2	V		.46				F	4
777 ATHN	20	0748E	0753	0748U	N05	E64	.897	13079	25.1	50	-F	3	V		.33				DE	3
779 MCMA	20	1600	1612	1604	S06	H46	.733	13064	17.2	12	-N		C	1604	.41				E	5
780 RAMY	20	1600	1618	1605	S07	H47	.747	13063	17.1	18	-F	4	C		.46				DE	5
781 CATA	20	1620E	1630	1620	S07	H46	.736	13063	17.2	100	-N	3		1620	.58	.85		(200)		5
782 MCMA	20	1932	1940D	1935	S04	H50	.774	13064	17.1	80	-F		C	1935	.31					4
785 MANI	21	2243E	2255D	2247	S13	E32	.594	13088	24.3	120	-N	1		2247	.62	.77			F	5
786 KODA	22	0435	0502	0443	S13	E29	.558	13088	24.4	27	-B		V	0435			1.52		E	4
793 KODA	23	0312	0330	0322	S02	H90	1.000	13063	16.4	18	1N		V	0312			1.60		D	7
794 KODA	23	0342	0351	0342	S10	E14	.350	13088	24.2	9	-B		V	0342			2.28		D	5
796 UPIC	23	0810	0830U	0815	S13	E14	.387	13088	24.4	200	-F			0815	1.26					8
797 RAMY	23	1031	1052		S03	H87	.999	13063	16.9	21	-N	3	C						DE	5
798 RAMY	23	1224	1234		S03	H88	1.000	13063	16.9	10	-N	3	C						DE	5
799 UPIC	23	1446E	1450U		S14	E10	.366	13088	24.4	40	-F			1446	1.26					7
803 PALE	23	2335E	2349	2335U	S17	E43	.741	13084	27.2	140	-F	2	C		.36				F	5

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY	MIN.		TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60804	24	0004	0031	0009	S15	E05	.354	13088	24.4	27	-F		.49				2 2 2 6
PALE	24	0002	00210	0008U	S15	E04	.350	13088	24.3	190	-F	1	.45				F
MANI	24	0005	0031	0010	S15	E05	.354	13088	24.4	26	-F	2	.52	.55			F
806 MANI	24	0109	0125	0110	S15	E05	.354	13088	24.4	16	-F	2	.52	.55			F
808 PALE	24	0146	0154	0147	S13	E42	.713	13084	27.2	8	-F	2	.26				DE
809 MANI	24	0454E	0510	0455U	S16	E02	.362	13088	24.4	160	-F	2	.31	.33			
810 MONT	24	0743	0746	0744	S07	E37	.628	13084	27.1	3	-F	C	.41				
811 MONT	24	0757	0800	0758	S07	E37	.628	13084	27.1	3	-F	C	.21				
812 MONT	24	0927	09350	0935	N12	E32	.535	13094	26.8	80	-F	C	.21				G
813 ATHN	24	1201E	1206	1201U	S01	E18	.325	13089	25.9	50	-F	4	.50				DE
815 ATHN	25	0506	0512	0508	S07	E22	.425	13084	26.9	6	-F	4	.50				DE
816 ATHN	25	0827	0839	0831	S12	E24	.491	13084	27.2	12	-F	4	.66				DE
817 HJAN	25	1325	1330	1327	S11	E23	.470	13084	27.3	5	-F	1	.31	.35			
819 BOUL	25	1757	1806	1800	S18	E61	.902	13101	30.3	9	-F	C	.32	.65			
820 PALE	25	1757	1806	1803	S13	E22	.476	13084	27.4	9	-F	3	.72				U
822 BOUL	25	2303	2311	2305	S17	W29	.591	13088	23.8	8	-F	C	.32	.37			
823 MANI	26	0128E	01320	0128U	S17	E20	.497	13084	27.6	40	-F	2	.93	1.06			F
*GRP60824	26	0643	0744	0651	S13	E46	.757	13095	29.7	61	1N		2.49				3 3 3 7
MITK	26	0640	0731	0652	S12	E50	.795	13095	30.0	51	1N	C	.652	3.90			ES
BUCA	26	0640	0730		S13	E50	.798	13095	30.0	50	1F	C	.652	3.60			
CATA	26	0650	0810	0650	S14	E38	.674	13095	29.1	80	1B	3	.650	3.92			(240)
825 MONT	26	0659E	0729	0710	S11	E49	.782	13095	30.0	300	1N	C	.710	2.58			
826 ARCE	26	0810E	08100		S16	E60	.891	13101	30.8		-F	C	.26	.50			
827 RAMY	26	1058	1104	1100	S09	E40	.674	13095	29.5	6	-F	4	.21				DE
828 CATA	26	1225	1230	1225	S19	W36	.682	13088	23.8	5	-N	3	.29	.39			(174)
830 BOUL	26	1536	1543	1538	S29	E37	.759	13095	29.4	7	-F	C	.32	.40			
831 HUAN	26	1702	1710	1705	S17	E59	.886	13101	31.1	8	-F	2	.21	.44			D
835 MONT	27	0713	0718	0714	S23	E88	1.000	13109	2.9	5	-F	C	.21				
836 MEUD	27	1236	1242	1238	S08	W06	.253	13084	27.1	6	-F	C	.21	.20			
838 BOUL	28	1301	1314	1306	S13	W16	.412	13084	27.3	13	-F	C	.32	.33			
GRP60841	29	0605	0715	0630	S09	E06	.271	13095	29.7	70	-N		.87				2 1 1 7
CATA	29	0605E	07150	0630	S09	E06	.271	13095	29.7	700	-N	3	.87	.90			(174)
MONT	29	0649E	0714	0649	S09	E06	.271	13095	29.7	250	-N	C	.41				E
842 PALE	29	1949E	1954	1949U	S18	E10	.431	13101	30.6	50	-N	3	.10				
843 BOUL	29	1955	2010	1957	S10	E10	.317	13095	30.6	15	-N	V		1.30			
847 PALE	30	1825E	1836	1827	S10	W16	.380	13095	29.6	110	-F	3	.19				DE
849 PALE	30	1932	1940	1933	S09	W16	.369	13095	29.6	8	-F	3	.19				DE
851 MONT	31	0640E	0650	0640	S10	W20	.428	13095	29.8	100	-N	C	.62				E
854 BOUL	31	1310U	1326	1313	S10	W24	.479	13095	29.7	160	-F	C	.54	.59			
GRP60855	31	1648	1710	1649	S10	W28	.530	13095	29.6	22	-F	P	1.71				2 2 2 7
MCMA	31	1648E	16510		S10	W28	.530	13095	29.6	30	-F		.21	.20			D
BOUL	31	1648	1710	1649	S10	W27	.517	13095	29.7	22	1F	C	3.21	3.61			

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