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Sep 73

SOLAR FLARES Confirmed

SEPTEMBER 1973

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCARTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	01	0000	0003	NO FLARE	PATROL												
GRP49405	01	0041	0052	0042	N14 E71	.933	12510	6.4	11	-N			.73				3 2 2 4
MANI	01	0041E	00500	0042	N14 E70	.933	12510	6.3	30	-N	1	0042	.62	1.33			
PALE	01	0041E	00420	0042U	N13 E73	.950	12510	6.5	10	-N	2		.83				F
CRCN	01	0048E	0054		N14 E71	.939	12510	6.4	60	-N			.62				
469 CFCN	01	0125E	01270	0127	N04 W21	.361	12511	29.5	20	--N			.72				2
470 CRCN	01	0125E	0215	0147	N04 W21	.361	12511	29.5	500	--N			.72				2
GRP49471	01	0205	0216	0209	N14 E75	.960	12510	6.7	11	-N			.78				2 2 2 3
CRCN	01	0205	0216	0208	N14 E72	.945	12510	6.5	11	-N			.83				
PALE	01	0207E	0215	0209U	N14 E78	.973	12510	6.9	30	-N	2		.72				F
GRP49473	01	0549	0558	0552	N16 E73	.950	12510	6.7	9	--N			.29				2 2 2 7
ATHN	01	0548	0558	0551	N15 E76	.964	12510	6.9	10	-N	3		.33				DE
TEHR	01	0549	0555C	0553U	N16 E70	.933	12510	6.5	60	-N	2		.25				DE
GRP49476	01	0551	0753	0555	N05 W26	.437	12511	30.3	122	-N			1.54				3 3 2 10
ASST	01	0551E	06450	0555	N05 W25	.422	12511	29.4	540	-N		0555	1.35	1.50		78	FJK
AUST	01	0556	06450	0600	N07 W20	.333	12511	29.7	430	-F		0600	.90	1.00		59	DK
ISTA	01	0630E	0755		N05 W27	.453	12511	29.2	850	-N							
AUST	01	0725E	07410	0731	N05 W27	.453	12511	29.3	160	-F		0731	.90	1.00		72	D
CANR	01	0728E	0750		N05 W26	.437	12511	29.4	220	-F			.83				
GRP49477	01	0749	0807	0751	N14 E66	.907	12510	6.3	18	--F			.39				4 4 3 6
CANR	01	0744	0803	0747	N16 E66	.906	12510	6.3	19	-F			.41				
CRCN	01	0748E	0814	0752	N15 E67	.913	12510	6.4	260	-F			.52				
TEHR	01	0749	0805	0755	N13 E66	.907	12510	6.3	16	-N	2		.25				OE
CANR	01	0750	0803	0752	N14 E65	.899	12510	6.2	13	-F			.10				
ISTA	01	0755	0805		N13 E67	.914	12510	6.4	10	-N							
GRP49479	01	0844	0906	0845	N14 W05	.146	12504	1.0	22	-F			.66				2 2 1 7
ATHN	01	0843E	0901	0845	N13 W05	.132	12504	1.0	180	-F	3		.66				F
ISTA	01	0844	09100		N15 W04	.152	12504	1.1	260	1N							
GRP49480	01	1048	1100	1050	N15 W03	.145	12504	1.2	12	-N			.97				4 4 4 5
TEHR	01	1046	1103	1050	N15 E01	.137	12504	1.5	17	-N	2		.66				F
ATHN	01	1048E	11000	1051	N13 W06	.144	12504	1.0	120	-N	3		.66				F
MEUD	01	1048	1057	1050	N15 W02	.140	12504	1.3	9	-F		1050	.83	.80			E
CATA	01	1050	10500	1050	N15 W03	.145	12504	1.2		-N	3	1050	1.73	1.75		(200)	
GRP49481	01	1314	1319	1314	S15 E65	.928	12512	6.4	5	--F			.36				2 2 2 4
CANR	01	1313E	1320	1313	S14 E64	.920	12512	6.4	70	-F		1313	.41	.80			
MEUD	01	1314	1318	1315	S16 E66	.935	12512	6.5	4	-F		1315	.31				D
GRP49482	01	1349	1401	1350	N13 E63	.884	12510	6.3	12	--F			.78				3 3 3 5
LOCA	01	1345	1405	1348	N12 E62	.875	12510	6.2	20	1N		1348	1.26	2.90			
ATHN	01	1347E	1356	1348U	N14 E65	.899	12510	6.4	110	-F	3		.66				F
MEUD	01	1354	1359	1354	N13 E62	.876	12510	6.2	5	-F		1354	.41	.80			E
GRP49483	01	1430	1435	1430	S17 E30	.619	12507	3.9	5	--F			.52				2 1 1 6
MEUD	01	1430	1435	1430	S17 E30	.619	12507	3.9	5	-F		1430	.52	.60			E
HUAN	01	1431E	14410		S18 E32	.648	12507	4.0	100	-F	1	1441	.21	.27			CD
GRP49484	01	1825	1841	1829	S17 E27	.568	12507	3.8	16	--F			.57				2 2 2 2
PALE	01	1825	1848	1830	S16 E28	.607	12507	3.9	23	-F	3		.72				F
CANR	01	1828E	1833	1826E	S16 E25	.558	12507	3.6	50	-N		1828	.41	.50			
	01	2050	2122	NO FLARE	PATROL												
485 PALE	01	2122E	2130	2126U	S17 E65	.931	12512	6.8	80	-N	3		.52				1
	01	2135	2214	NO FLARE	PATROL												
	01	2220	2234	NO FLARE	PATROL												
486 MITK	01	2257	2332	2308	S16 E58	.882	12512	6.3	35	-N		2308	.93	2.00			EH 3
486 MITK	02	0006	0025	0011	S16 E58	.862	12512	6.4	19	-N		0011	.72	1.50			DH 5
GRP49489	02	0042	0050	0045	S16 E59	.890	12512	6.5	8	-B			.83				3 3 3 5
MITK	02	0038	0051	0045	S17 E56	.870	12512	6.2	13	-B		0045	.93	1.80			D
VORD	02	0043	0049	0044	S15 E56	.880	12512	6.4	6	-B		0044	.93	1.90		85	DJ
PALE	02	0044	0051	0047	S16 E62	.911	12512	6.7	7	-N	2		.62				F

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MONTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.												
GRP4941	02	0223	0247	0231	S18	E57	.860	12512	6.4	24	-F			.41			2 1 1 4	
CRON	02	0223E	0247	0231	S18	E57	.860	12512	6.4	24D	-F	V		.41				
VURO	02	0240	0253	0242	S15	E58	.880	12512	6.5	13	-D	C	0242	.84	1.70		DJ	
5 STATIONS REPORTING GROUP 49452. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP49452	02	0531	0553	0540	S18	E56	.872	12512	6.4	22	-N			.67			4 4 4 5	
CRON	02	0522	0638C	0525	S18	E56	.872	12512	6.4	76D	-N	V		.62				
ABST	02	0535	0610	0541	S17	E56	.870	12512	6.4	35	-E	C	0541	.90	1.90		D	
MITK	02	0536	0544	0540	S17	E57	.877	12512	6.5	8	-F	C	0540	.62	1.20		D	
TEHR	02	0540E	0545	0540U	S18	E56	.872	12512	6.4	50	-N	4 V		.52			OE	
49452	02	0400	0621	0434	S18	E55	.865	12512	6.3	141	*1P			3.36			2 2 2 5	
CRON	02	0359E	0505	0424	S18	E56	.872	12512	6.4	66D	1N	V		2.89				
KODR	02	0400	0621D	0444	S17	E54	.854	12512	6.2	141D	1B	P	0621	3.87	3.87	2.08	CE	
GRP49495	02	0614	0633	0618	S18	E55	.865	12512	6.4	19	1N			1.28			5 5 5 8	
CRON	02	0522	0638C	0617	S18	E56	.872	12512	6.4	76D	-N	V		.62				
MITK	02	0614	0629	0616	S17	E55	.862	12512	6.4	15	1N	C	0616	1.34	2.50		E	
MANI	02	0614	0632	0618	S17	E53	.845	12512	6.2	18	1N	2 C	0618	1.75	3.14		F	
ABST	02	0615	0634	0617	S19	E54	.860	12512	6.3	19	1N	C	0617	2.17	4.50		E	
TEHR	02	0624E	0634	0624U	S18	E56	.872	12512	6.5	10D	-N	4 V		.52			F	
GRP49497	02	0750	0756	0751	S18	E55	.865	12512	6.5	6	--N			.40			8 8 6 10	
TEHR	02	0748E	0754	0750U	S18	E56	.872	12512	6.5	6D	-N	4 V		.52			OE	
MEUD	02	0749	0753	0751	S18	E56	.872	12512	6.5	4	-F	C	0751	.31	.60		D	
ATHN	02	0750E	0758	0750U	S18	E55	.865	12512	6.5	8D	-N	3 V		.17			OE	
ABST	02	0750E	0757	0751	S17	E55	.862	12512	6.5	7C	-N	P	0751	.90	1.70		OZ	
ISTA	02	0750E	0754		S17	E58	.885	12512	6.7	4D	-F						D	
WEND	02	0750	0803		S18	E55	.865	12512	6.5	13	-N							
CANR	02	0751E	0753D		S15	E53	.839	12512	6.3	2D	-N	V	0753	.21	.30			
ARCE	02	0754E	0756D		S19	E54	.860	12512	6.4	2D	-F	C	0755	.29	.50		T8	
GRP49500	02	0753	0816	0757	S09	E01	.280	12516	2.4	23	--N			.69			8 8 7 11	
CANR	02	0752	0755D	0753	S08	E04	.271	12516	2.6	3D	-N	V	0755	.41	.40			
MEUD	02	0753	0802	0755	S09	E00	.279	12516	2.3	9	-N	C	0755	.72	.70		H	
ABST	02	0753	0822D	0757	S09	W01	.280	12516	2.3	29D	-N	P	0757	1.18	1.20		EZ	
ISTA	02	0753	0838		S08	E01	.263	12516	2.4	45	-F							
ARCE	02	0754E	0812D		S09	W01	.280	12516	2.3	18D	-B	C	0757	.35	.40		B	
ATHN	02	0754E	0811	0754U	S10	E00	.296	12516	2.3	17D	-N	2 C		.58			F	
CRON	02	0754	0815	0757	S08	E01	.263	12516	2.4	21	-N	V		.72				
MANI	02	0804E	0812	0805	S10	E00	.296	12516	2.3	8D	-N	2	0805	.93	.97		F	
GRP49501	02	0813	0821	0815	S17	E56	.870	12512	6.5	8	-N			.57			3 3 3 11	
ATHN	02	0811	0824	0815	S18	E58	.887	12512	6.7	13	-N	2 C		.50			DE	
ABST	02	0814	0822D	0816	S17	E55	.862	12512	6.5	8D	-N	P	0816	.90	1.70		D	
MEUD	02	0815	0818	0815	S18	E55	.865	12512	6.5	3	-F	C	0815	.31	.60		D	
ABST	02	0816	0822D	0818	S15	E54	.847	12512	6.4	6D	-F	P	0818	.90	1.90		D	
GRP49502	02	0823	0841	0831	S09	E00	.279	12516	2.3	18	--N			.90			4 4 3 10	
WEND	02	0818	0838		S10	E00	.296	12516	2.3	20	-N							
MANI	02	0821	0845	0830	S10	E00	.296	12516	2.3	24	-N	2	0830	.83	.86		E	
CRON	02	0826	0845	0831	S08	E01	.263	12516	2.4	19	-N	V		.83				
MEUD	02	0827	0837	0831	S09	W01	.280	12516	2.3	10	-N	C	0831	1.83	1.00			
GRP49510	02	1344	1355	1345	S17	E50	.819	12512	6.3	11	--F			.59			3 3 3 8	
UPIC	02	1343E	1357U	1345	S18	E50	.823	12512	6.3	14D	-F	P	1345	.85			T	
MEUD	02	1344	1352	1345	S17	E51	.823	12512	6.4	3	-F	C	1345	.52	.90			
CANR	02	1345E	1355	1345E	S17	E50	.819	12512	6.3	10D	-N	V	1345	.41	.60			
GRP49514	02	1625	1643	1629	S16	E49	.807	12512	6.4	18	--F			.38			3 3 3 6	
CANR	02	1625	1635	1628	S17	E49	.810	12512	6.4	10	-F	V	1628	.41	.60			
HUAN	02	1625	1639	1628	S15	E48	.803	12512	6.4	14	-F	1 C	1628	.41	.69			
MEUD	02	1626	1655	1630	S16	E50	.816	12512	6.4	29	-F	C	1630	.31	.50			
MEUD	02	1626	1655	1642	S16	E50	.816	12512	6.4	29	-F							
515 HUAN	02	1805	1819	1811	S16	E50	.816	12512	6.5	10	--F	1 C	1811				E 2	
GRP49516	02	1838	2007 (1951)		S15	E16	.458	12507	4.0	83	--F			.49			2 2 2 2	
HUAN	02	1838	1954C		S14	E17	.455	12507	4.1	76D	-F	1 F	1952	.21	.23		D	
MCHA	02	1950E	2007		S16	E15	.462	12507	4.0	17D	-F	C	1950	.77	.90		E	
	02	1856	1904		NO FLARE PATROL													
517 MCHA	02	1904E	1925		S16	E47	.796	12512	6.3	21D	-N	P	1904	.62	1.10		E 1	
	02	2020	2053		NO FLARE PATROL													
	02	2058	2104		NO FLARE PATROL													

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.												
	02	2126	2130															
	02	2205	2212															
GRP49519	03	0202	0241	0210	S18	E43	.759	12512	6.3	39	-N			.62				2 1 1 3
CRON	03	0202E	0241	0210	S18	E43	.759	12512	6.3	390	-N	V		.62				
KOD4	03	0216	02240		S17	E44	.764	12512	6.4	60	2F	P	0224	5.24	5.24			E
GRP49530	03	0824	0846	0829	S17	E41	.734	12512	6.4	22	-N			.68				5 5 5 9
CRON	03	0818	0850	0825	S17	E41	.734	12512	6.4	32	-N	V		1.24				
MCNT	03	0820	0829	0823	S16	E40	.718	12512	6.3	9	-F	C	0823	.10				
ARCE	03	0825E	0855		S17	E40	.724	12512	6.4	300	-N	C	0826	.93	1.30			B
TEHR	03	0826E	0841	0828	S17	E42	.744	12512	6.5	150	-N	4	V	.50				DE R
CANR	03	0830	0853	0835	S17	E40	.724	12512	6.4	23	-N	V	0835	.62	.80			
GRP49536	03	1043	1055	1044	S17	E39	.714	12512	6.4	12	-N			.77				6 6 6 7
TEHR	03	1041E	10540	1044	S17	E42	.744	12512	6.6	130	-N	4	V	.41				DE
CANR	03	1042	1107	1044	S17	E38	.703	12512	6.3	25	-N	V	1044	.93	1.30			
MCNT	03	1042	1048	1043	S17	E39	.714	12512	6.4	6	-F	C	1043	.10				
MEUD	03	1043	1050	1044	S17	E39	.714	12512	6.4	7	-N	C	1044	1.13	1.50			E
ZURI	03	1044	1058	1044	S17	E40	.724	12512	6.4	14	-N	C	1044	1.47	2.10			
CATA	03	1045	1050	1045	S17	E37	.693	12512	6.2	5	-B	3	1045	.58	.80			(240)
6 STATIONS REPORTING GROUP 49539. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP49539	03	1614	1635	1617	N23	W04	.280	12508	3.4	21	-N			1.69				4 4 4 6
MCMA	03	1613	1644	1616	N24	W04	.296	12508	3.4	31	-N	C	1616	1.29	1.40			EL
MEUD	03	1614	1632	1616	N22	W03	.260	12508	3.5	18	-B	C	1616	1.55	1.60			E
CANR	03	1615E	1625	1618	N22	W03	.260	12508	3.5	100	1N	V	1618	2.27	2.20			F
RAMY	03	1618E	1638	1618U	N23	W04	.280	12508	3.4	200	-N	2	V	1.65				
49539	03	1608	1644	(1632)	N23	W04	.280	12508	3.4	36	*-F			3.33				2 2 2 6
WEND	03	1608E	1644		N22	W04	.263	12508	3.4	360	1N	P		5.16				
ARCE	03	1613E	1632D		N23	W04	.280	12508	3.4	190	-F	P	1632	1.49	1.60			
	03	1800	1809															
	03	1825	1941															
	03	1943	2117															
540 RAMY	03	2018E	2030C	2018U	S13	E62	.905	12513	8.5	120	--N	3	V	.28				DE 1
	03	2120	2200															
541 RAMY	03	2124E	2139D	2124U	N13	E28	.472	12510	6.0	150	--F	2	V	.37				DE 2
	03	2202	2219															
	03	2234	2245															
GRP49542	03	2357	0058	0043	S17	E31	.630	12512	6.3	61	--F			.42				2 2 2 4
CRON	03	2357E	0058		S17	E30	.620	12512	6.2	610	-F	V		.52				
MANI	04	0036	0048D	0043U	S17	E32	.641	12512	6.4	120	-N	2	0043	.31	.40			F
546 MITK	04	0125	0140	0130	N14	E23	.400	12510	5.8	15	-N	C	0130	1.75	1.90			H 3
GRP49550	04	0520	0533	0523	N14	E21	.370	12510	5.8	13	-N			1.29				4 4 4 7
CRON	04	0520	0535	0522	N13	E19	.335	12510	5.6	15	-N	V		1.03				
TACH	04	0520	0531	0522	N17	E22	.400	12510	5.9	11	1N	V	0522	2.19	2.37	2.66	60	ET
ABST	04	0521E	0525D	0521	N14	E21	.370	12510	5.8	40	-F	P	0521	.90	1.00			D
MANI	04	0524E	0529D	0527	N13	E22	.381	12510	5.9	50	-N	1	0527	1.03	1.12			EH
9 STATIONS REPORTING GROUP 49556. 3 STATIONS OBSERVING AND NOT REPORTING.																		
GRP49556	04	0804	0825	0815	N14	E20	.355	12510	5.8	21	--N			.57				5 5 3 12
ARCE	04	0800E	0825		N14	E20	.355	12510	5.8	250	-N	C	0815	.61	.70			E
ISTA	04	0804	0823		N14	E22	.385	12510	6.0	19	-F							E
CATA	04	0805	0830	0815	N14	E20	.355	12510	5.8	25	-N	3	0815	.58	.62			(195)
WEND	04	0806	0820		N14	E20	.355	12510	5.8	14	-N							
CRON	04	0806	0827		N16	E20	.366	12510	5.8	21	-N	V		.52				
49556	04	0801	0821	0804	N14	E20	.355	12510	5.8	20	*-F			.47				4 4 4 12
CANR	04	0757	0818	0801	N14	E20	.355	12510	5.8	21	-F	V		.62				
MCNT	04	0800	0828	0803	N14	E21	.370	12510	5.9	28	-N	C	0803	.21				EH
ZURI	04	0801	0821	0807	N15	E20	.360	12510	5.8	20	-N	C	0807	.63	.67			
MEUD	04	0804	0816	0804	N13	E20	.350	12510	5.8	12	-F	C	0804	.41	.40			E

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CHP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
GRP49557	04	0946	1003	0949	N14	E19	.340	12510	5.8	17	-B		1.33				9 9 9 11
TEHR	04	0943E	1001	0947	N13	E18	.319	12510	5.8	18D	-B	V	.99				
CANR	04	0944	1020	0948	N13	E19	.335	12510	5.8	36	-B	V	1.86				
CRON	04	0945	0957		N15	E19	.345	12510	5.8	12	-N	V	1.34				
MEUD	04	0946	1000	0948	N13	E19	.335	12510	5.8	14	-B	C	0948 1.34	1.40			E
MONT	04	0946	1002	0948	N14	E19	.340	12510	5.8	15	-B	C	0948 2.06				EH
ZURI	04	0947	0959	0949	N15	E20	.360	12510	5.9	12	-B	C	0949 1.26	1.30			HFE
ARCE	04	0948	1000	0951	N14	E19	.340	12510	5.8	12	-B	C	0951 .93	1.00			
CATA	04	0950	1005	0950	N14	E19	.340	12510	5.8	15	-B	1	0950 1.16	1.23			(269)
UPIG	04	0952E	0959U	0953	N14	E20	.355	12510	5.9	7D	-B	P	0953 1.05				
GRP49559	04	1129	1148	1135	S13	E55	.850	12513	8.6	19	-N		.86				6 6 6 6
MEUD	04	1123	1130	1125	S12	E55	.848	12513	8.6	7	-N	C	1125 .62	1.10			
CANR	04	1123	1130	1125	S10	E57	.860	12513	8.7	7	-N	V	.93				
ZURI	04	1123	1129	1125	S12	E55	.848	12513	8.6	6	-N	C	1125 .73	1.40			
UPIG	04	1125E	1129U		S12	E57	.865	12513	8.8	4D	-F	V	1127 .84				
TEHR	04	1127E	1133	1129	S14	E60	.893	12513	9.0	6D	-N	4	.25				DE
CANR	04	1128	1147	1138	S13	E55	.850	12513	8.6	29	-N	V	1.03				
CATA	04	1130	1140	1130	S12	E55	.843	12513	8.6	10	-B	3	1130 .87	1.63			(219)
MEUD	04	1132	1143	1135	S15	E51	.821	12513	8.3	11	-N	C	1135 .93	1.50			
UPIG	04	1132	1145		S11	E56	.854	12513	8.7	13	-N	V	1134 1.05				
ZURI	04	1133	1141	1135	S14	E52	.827	12513	8.4	8	-N	C	1135 1.05	1.90			
CATA	04	1140	1210	1140	S14	E51	.816	12513	8.3	30	1B	3	1140 1.16	2.01			(257) Z
GRP49561	04	1454	1510	1500	S17	W12	.454	12507	3.7	16	--N		.71				6 6 6 6
ARCE	04	1445	1508	1459	S16	W12	.440	12507	3.7	23	-N	C	1459 1.19	1.30			
ZURI	04	1455	1509	1459	S17	W12	.454	12507	3.7	14	-N	C	1459 1.05	1.20			
CATA	04	1455	1515	1500	S16	W13	.474	12507	3.6	20	-N	3	1500 .58	.65			(186)
MOMA	04	1455	1503D	1458	S18	W14	.481	12507	3.6	8D	-F	P	1458 .41	.40			D
MEUD	04	1455	1505	1459	S17	W12	.454	12507	3.7	10	-F	C	1459 .41	.40			
CANR	04	1459	1513	1503	S18	W10	.455	12507	3.9	14	-N	V	.62				
GRP49562	04	1459	1517	1505	N12	E18	.315	12510	6.0	18	-B		1.90				8 8 8 8
ARCE	04	1457	1518	1506	N11	E18	.312	12510	6.0	21	1B	C	1506 2.19	2.30			F
WEND	04	1456E	1518		N12	E21	.362	12510	6.2	20D	1N	V	4.13				
UPIG	04	1459	1514	1507	N11	E18	.312	12510	6.0	15	-F	P	1507 1.26				
MEUD	04	1459	1515	1504	N12	E18	.315	12510	6.0	16	-N	C	1504 1.13	1.20			E
MOMA	04	1459	1503D		N10	E19	.325	12510	6.0	4D	-B	P	1502 .83	.90			EH
CANR	04	1459	1520	1503	N13	E17	.304	12510	5.9	21	-B	V	1.96				
ZURI	04	1459	1517	1503	N13	E18	.319	12510	6.0	18	-B	C	1503 2.00	2.10			
CATA	04	1500	1520	1505	N12	E13	.236	12510	5.6	20	-B	3	1505 1.73	1.78			(257)
GRP49564	04	1545	1606	1549	S12	W11	.377	12507	3.8	23	-N		1.09				4 4 4 7
CANR	04	1543	1621	1549	S10	W12	.358	12507	3.8	38	-N	V	1.86				
CATA	04	1545	1600	1550	S12	W10	.369	12507	3.9	15	-N	3	1550 .58	.62			(182)
ZURI	04	1545	1615	1549	S13	W09	.377	12507	4.0	30	-N	C	1549 1.37	1.50			
ARCE	04	1545E	1555		S14	W13	.420	12507	3.7	10D	-F	C	1551 .55	.50			
GRP49565	04	1627	1652	1635	N14	E16	.294	12510	5.9	25	-N		1.15				7 6 6 7
ZURI	04	1627	1649	1633	N13	E18	.319	12510	6.0	22	-N	C	1633 1.16	1.20			
MOMA	04	1627	1657	1634	N13	E14	.258	12510	5.7	30	-B	C	1634 .93	1.00			EH
CANR	04	1627	1655	1636	N15	E16	.301	12510	5.9	28	-N	V	2.27				
MEUD	04	1626	1650	1634	N13	E16	.288	12510	5.9	22	-N	C	1634 1.13	1.20			E
ARCE	04	1626	1646	1638	N15	E15	.286	12510	5.8	18	-N	C	1638 .74	.80			F
HUAN	04	1632E	1651		N14	E16	.294	12510	5.9	19D	-N	2	1635 .67	.70			E
WEND	04	1642	1658		N13	E16	.288	12510	5.9	16	-F						
GRP49566	04	1710	1717	1713	S14	E51	.818	12513	8.5	7	--F		.31				2 2 1 4
CANR	04	1708	1712D	1712	S13	E51	.815	12513	8.5	4D	-F	V					
HUAN	04	1712	1717	1713	S15	E50	.812	12513	8.5	5	-N	1	1713 .31	.53			
	04	2049	2053		NO FLARE PATROL												
	04	2059	2102		NO FLARE PATROL												
567 CRON	05	0215	0220		S16	W16	.471	12507	3.9	5	--F	V	.52				2
GRP49569	05	0337	0400	0340	N16	E19	.365	12510	6.6	23	-B		1.11				4 4 4 8
TEHR	05	0335	0401	0338	N17	E19	.358	12510	6.6	26	-B	4	.83				F
CRON	05	0336	0359		N18	E18	.351	12510	6.5	23	-N	V	1.24				
MANI	05	0337	0402	0340	N19	E19	.373	12510	6.6	25	-N	2	0340 1.44	1.55			F
VORO	05	0339	0356	0343	N18	E18	.351	12510	6.5	17	-B	C	0343 .93	1.10			87 DJ
GRP49570	05	0436	0451	0440	S16	W20	.531	12507	3.7	15	--F		.52				2 2 2 5
TEHR	05	0436E	0451	0439	S17	W19	.510	12507	3.8	15D	-N	4	.41				F
MANI	05	0441E	0451	0441U	S19	W20	.542	12507	3.7	10D	-F	2	0441 .62	.73			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-PORTANCE	OBS.		MEASUREMENTS					REMARKS			
	DATE SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %				
					LAT.	HER. DIST.																
GRP49575	05	0920	0940	0921	N11	E06	.152	12510	6.0	20	-N				1.05				6 6 5 8			
CANR	05	0912	0944	0914	N14	E13	.249	12510	6.4	32	-F		V	0914	.52	.50						
CANR	05	0917	0944	0920	N11	E08	.152	12510	6.0	27	-N		V	0920	1.86	1.80						
MCNT	05	0919	0943	0923	N11	E08	.152	12510	6.0	24	-N		C	0923	.52				E			
ARCE	05	0920	0935	0921	N11	E06	.152	12510	6.0	15	-N		C	0921	.58	.60						
CATA	05	0920	0940	0920	N12	E08	.160	12510	6.0	20	-N	3	V	0920	.87	.88		(158)				
CRON	05	0920E	0942		N11	E08	.152	12510	6.0	22C	-N		V		1.44							
WEND	05	0924	0937		N11	E05	.108	12510	5.9	13	-N											
GRP49576	05	0920	0944	0924	S17	W19	.510	12507	4.0	24	-N				2.21				7 7 7 8			
CANR	05	0916	0951	0925	S17	W17	.492	12507	4.1	33	1N		V	0925	3.30	3.30						
CANR	05	0918	0922D	0922	S17	W17	.492	12507	4.1	40	1N		V	0922	2.89	2.90						
MCNT	05	0920	0932	0923	S19	W19	.533	12507	4.0	12	-N		C	0923	1.13				E			
ARCE	05	0920	0955	0924	S13	W20	.475	12507	3.9	35	-N		C	0924	1.06	1.10						
CATA	05	0920	0950	0925	S18	W19	.522	12507	4.0	30	1N	3	V	0925	1.73	2.03		(162)				
CRON	05	0920E	0946		S17	W18	.501	12507	4.0	28D	-N		V		1.34							
ZURI	05	0921	0936	0924	S18	W18	.513	12507	4.0	15	-F		C	0924	1.78	2.10						
WEND	05	0924E	0940		S18	W23	.558	12507	3.7	16D	1N		V		5.16							
GRP49577	05	1113	1126	1117	S18	W22	.549	12507	3.8	13	-N				1.10				6 6 6 8			
CATA	05	1110	1130	1120	S19	W24	.578	12507	3.7	20	-N	3		1120	.87	1.06		(155)				
TEHR	05	1111	1122	1115	S15	W18	.477	12507	4.1	11	-N	4	V		.50				F			
MCNT	05	1111	1128	1115	S18	W22	.549	12507	3.8	17	-N		C	1115	1.13				E			
ZURI	05	1114	1124	1116	S18	W22	.549	12507	3.8	10	-F		C	1116	1.16	1.40						
UPIC	05	1114	1124		S17	W23	.548	12507	3.7	10	-F		P	1116	1.26							
CANR	05	1115	1130	1118	S18	W23	.558	12507	3.7	15	-N		V	1118	1.65	1.80						
GRP49578	05	1305	1334	1319	S17	W21	.529	12507	4.0	29	--F				.85				6 6 6 8			
CATA	05	1255	1340	1320	S19	W22	.560	12507	3.9	45	-N	3		1320	.58	.69		(166)				
CANR	05	1256	1300	1258	S18	W22	.549	12507	3.9	4	-F		V	1258	.83	.90						
ARCE	05	1300E	1330D		S13	W22	.497	12507	3.9	300	-N		C	1315	.52	.60						
ZURI	05	1303	1337	1322	S18	W18	.513	12507	4.2	34	-F		C	1322	1.47	1.70						
CANR	05	1313	1330	1316	S19	W22	.560	12507	3.9	17	-F		V		1.75							
HUAN	05	1314	1334	1320	S19	W21	.551	12507	4.0	20	-F	1	C	1320	.46	.56						
TEHR	05	1316E	1330	1318U	S15	W18	.477	12507	4.2	14D	-F	3	V		.31				F			
GRP49582	05	1655	1717	1701	S17	W23	.548	12507	4.0	22	--F				.96				3 3 3 4			
MEUD	05	1655	1710	1701	S15	W24	.538	12507	3.9	15	-F		C	1701	.83	.90			E			
CANR	05	1655	1735	1700	S19	W24	.578	12507	3.9	40	-F		V		1.65							
HUAN	05	1656	1705	1702U	S17	W22	.538	12507	4.1	9	-F	1	C	1702	.41	.48						
	05	1810	1811		NO FLARE PATROL																	
	05	1818	1828		NO FLARE PATROL																	
583 HUAN	05	1828E	1834D		N11	E04	.095	12510	6.1	60	--N	1	P	1832	.67	.68			CE 1			
	05	1834	1845		NO FLARE PATROL																	
	05	1857	1922		NO FLARE PATROL																	
584 HUAN	05	2003	2054	2021U	S18	W25	.578	12507	4.0	51	-N	1	C	2021	1.03	1.27			E 1			
	05	2046	2059		NO FLARE PATROL																	
	05	2103	2114		NO FLARE PATROL																	
585 HUAN	05	2104	2115	2110	S11	E37	.657	12513	8.7	11	--F	2	C	2110	.21	.27			D 2			
	05	2115	2143		NO FLARE PATROL																	
	05	2202	2228		NO FLARE PATROL																	
586 PALE	05	2357E	0009	0000U	N15	W8D	.980	12501	30.0	120	-N	2	C		.27				3			
GRP49587	06	0106	0129	0115	N12	W01	.085	12510	6.0	23	--F				.70				2 2 2 3			
CRON	06	0106	0121		N12	W01	.085	12510	6.0	15	-F		V		.77							
PALE	06	0107E	0136	0115	N11	W01	.068	12510	6.0	29D	-N	2	C		.63				DE			
PALE	06	0107E	0136	0108	N11	W01	.068	12510	6.0	29D	-N	2	C		.63				DE			
GRP49588	06	0152	0213	0155	N14	W03	.128	12510	5.9	21	--N				.77				2 2 2 3			
CRON	06	0151E	0209	0156	N14	W02	.123	12510	5.9	18D	-N		V		.62							
PALE	06	0152	0217	0154	N14	W03	.128	12510	5.9	25	-N	2	C		.91				DE H			
GRP49589	06	0338	0350	0342	S15	W29	.593	12507	4.0	12	-N				1.09				3 3 2 6			
PALE	06	0336	0356D	0343	S17	W30	.620	12507	3.9	20D	-N	2	V		1.34				OE			
CRON	06	0337	0348	0341	S15	W26	.582	12507	4.1	11	-N		V		.83							
KOJA	06	0340	0347	0342	S14	W28	.573	12507	4.1	7	-B		V	0342			2.00		C			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE SEP	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 HG	MAX INT. %		
GRP45532	06	0751	0805	0754	N12	W05	.119	12510	6.0	14	-N		1.13				9 9 8 12	
MEUD	06	0750	0800	0752	N12	W04	.108	12510	6.0	10	-N	C	0752	.93	.90		E	
ISTA	06	0750	0805		N12	W04	.108	12510	6.0	15	-N						E	
CANR	06	0751	07520	0752	N13	W10	.198	12510	5.6	10	-N	V	0752	.83	.90		E	
BUCA	06	0751E	08060		N12	W04	.108	12510	6.0	150	-N	C	0754	2.21	2.10		E	
MCNT	06	0751	0806	0755	N11	W04	.095	12510	6.0	17	-N	C	0755	.72			E	
CKON	06	0751	0805		N11	W04	.095	12510	6.0	14	-N	V		.72				
ABST	06	0752	0805C	0754	N13	W04	.121	12510	6.0	130	-N	P	0754	1.44	1.40		71 E	
ZURI	06	0752	0802	0753	N11	W04	.095	12510	6.0	10	-N	C	0753	1.05	1.10			
CATA	06	0755	0805	0755	N11	W04	.095	12510	6.0	18	-B	3	0755	1.16	1.16		(224)	
GRP45537	06	1206	1305	1220	S17	W35	.672	12507	3.9	59	-N		1.75				9 8 7 11	
CANR	06	1203	1302	1218	S15	W34	.648	12507	4.0	59	-N	V	1218	1.55	1.80			
MEUD	06	1205	1240		S17	W34	.662	12507	4.0	35	-N	C	1210	1.34	1.70		F	
RAMY	06	1205	1250	1224	S16	W32	.633	12507	4.1	45	-N	3	C		1.11		F	
MCMA	06	1205	13000	1215	S18	W34	.669	12507	4.0	550	1N	C	1215	1.55	2.10		EJ	
ZURI	06	1207	1342	1218	S17	W34	.662	12507	4.0	95	-F	C	1218	1.47	2.00			
HUAN	06	1208	1355	12210	S18	W35	.679	12507	3.9	107	-N	1	C	1221				E
CATA	06	1210	1350	1220	S16	W39	.708	12507	3.6	100	1N	3	1220	2.90	4.10		(195)	
UPIQ	06	1214E	12500	1223	S16	W34	.655	12507	4.0	360	1N	P	1223	2.31				
ARCE	06	1300E	1447		S13	W35	.646	12507	3.9	1070	1N	C	1300	1.58	2.10			
GRP49602	06	1616	1646	1624	S17	W37	.653	12507	3.9	30	-N		.87				5 5 4 7	
RAMY	06	1611	1629	1625	S20	W38	.722	12507	3.8	13	-N	3	C		.37		DE	
ARCE	06	1615	1646	1624	S18	W39	.720	12507	3.8	33	-B	C	1624	.84	1.20		H	
MEUD	06	1618	1645		S17	W36	.683	12507	4.0	27	-F	C	1625	1.44	1.90		F	
HUAN	06	1618	1628	1624	S19	W38	.716	12507	3.8	10	-F	1	C	1624	.44			
HUAN	06	1625	1646	16300	S14	W36	.663	12507	4.0	21	-F	1	C	1630				
CANR	06	1630E	17000		S16	W36	.676	12507	4.0	300	-F	V	1630	.83	1.00		F	
RAMY	06	1634	1714	1639	S14	W36	.663	12507	4.0	40	-F	3	C		.46			
604 MCMA	06	1703E	1720		S13	E23	.508	12513	6.4	170	--F	C	1703	.31	.40		D 3	
GRP49605	06	1816	1920	1632	S19	W08	.460	12512	6.2	64	--B		.62				2 2 2 3	
MCMA	06	1816	1920	1630	S19	W08	.460	12512	6.2	64	-B	C	1830	.52	.60		DHW	
PALE	06	1833E	1847C	16330	S19	W08	.460	12512	6.2	140	-N	3	C		.72		F	
606 CANR	06	1820E	18210		S17	E09	.436	12520	7.4	10	--F	V	1821	.83	.80		2	
GRP49607	06	2036	2104	2049	S17	E19	.510	12513	8.3	26	--F	1	C	2049	.31	.36		2 1 1 2
HUAN	06	2038	2104	2049	S17	E19	.510	12513	8.3	26	-F	1	C		.31		E	
PALE	06	2102E	2112	2103	S18	E20	.531	12513	8.4	100	-F	3	C		.63		F	
	06	2223	2230	NO FLARE PATROL														
	06	2240	2249	NO FLARE PATROL														
GRP49608	07	0002	0018	0007	S18	W09	.450	12512	6.3	16	--F		.59				2 2 2 4	
PALE	07	0001	0016	0004	S19	W09	.465	12512	6.3	15	-N	3	C		.55		F	
MANI	07	0003	0020	0010	S17	W09	.436	12512	6.3	17	-F	2		.62	.68			
GRP49609	07	0210	0350	0213	S19	W43	.764	12507	3.9	100	-N		.83				3 2 2 4	
CROW	07	0207	0233	0212	S18	W43	.759	12507	3.9	25	-N	V		1.24				
KODA	07	0211E	0350	0305	S20	W43	.770	12507	3.9	930	1N	P	0219	2.89	2.89	1.48	E	
MANI	07	0212	02260	0214	S20	W42	.760	12507	3.9	160	-N	2	0214	.41	.63			
GRP49610	07	0427	0453	0434	N24	W49	.763	12508	3.5	26	--N		.51				3 3 3 5	
TEHR	07	0426	0511	0439	N23	W50	.771	12508	3.4	45	-N	3	C		.45		F	
ATHN	07	0426	0445	0429	N22	W49	.759	12508	3.5	19	-N	1	C		.66		F	
CROW	07	0428	0444		N26	W49	.768	12508	3.5	16	-F	V		.41				
15 STATIONS REPORTING GROUP 49614.													0 STATIONS OBSERVING AND NOT REPORTING.					
GRP49614	07	1141	1342	1212	S18	W46	.787	12507	4.0	121	2B		5.42				12 10 10 15	
TEHR	07	1138	13400	1202	S17	W46	.783	12507	4.0	1220	2B	4	C		7.94		H S	
RAMY	07	1139	1336	1159	S18	W45	.778	12507	4.1	117	2B	4	C		4.92		U H	
MEUD	07	1140	12150		S18	W47	.797	12507	4.0	350	2N	C	1203	4.13	6.50		U	
CATA	07	1140	1310	1200	S17	W46	.783	12507	4.0	90	2B	3	C	1200	4.92	7.91	(316)	
MCMA	07	1140	1430	1208	S17	W47	.792	12507	4.0	170	2B	C	1208	4.13	7.00		FL	
ATHN	07	1140E	12500	1202	S18	W46	.787	12507	4.0	700	2B	3	V		5.61		U Z	
ZURI	07	1140	12250	1205	S19	W47	.801	12507	4.0	450	1B	P	1205	3.58	6.00			
UPIQ	07	1144E	1400	12110	S17	W46	.783	12507	4.0	1360	2B	P	1211	6.52			U	
KIEV	07	1150	12250	1159	S16	W46	.779	12507	4.0	390	2B	P	1159	5.16			EI	
KHAR	07	1155E	13400		S17	W48	.802	12507	3.9	1050	3B	C	1303	8.77	14.80		EHVWZ	
HERS	07	1210E	1330	1210E	S18	W45	.778	12507	4.1	800	2B	P	1211	7.28	11.20		EH	
LOCA	07	1322E	1440	1322	S18	W46	.787	12507	4.1	780	2N	P	1322	3.99	6.20			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.												
49614	07	1135	1336	1145	S18	W46	.787	12507	4.0	121	*-N			1.86			3 3 3 12	
CANR	07	1130	1142D	1142	S18	W46	.767	12507	4.0	120	1E	V	1142	2.78	3.80			
RAMY	07	1139	1336	1151	S18	W45	.778	12507	4.1	117	-N	4 C		1.49			U H	
ATHN	07	1140E	12500	1143	S18	W46	.787	12507	4.0	700	-N	3 V		1.32			U Z	
49614	07	1206	1335	(1225)	S16	W47	.788	12507	4.0	83	*38			12.92			2 2 2 13	
WEND	07	1206E	1337		S16	W46	.779	12507	4.1	910	38	P		18.56				
ARCE	07	1225E	1332		S16	W47	.788	12507	4.0	670	38	C	1225	7.28	12.10		BTF	
GRP49618	07	1714	1739	1719	S16	E07	.411	12513	8.2	25	--F			.73			2 2 2 6	
PALE	07	1712E	1738	1714U	S17	E07	.426	12513	8.2	260	-F	2 V		.83			F	
MCMA	07	1715	1740	1723	S14	E07	.380	12513	8.2	25	-F	C	1723	.62	.60		E	
619 PALE	07	1904E	19120	1905	S11	W78	.984	12516	1.9	80	--N	2 C		.27			3	
620 RAMY	07	1916	1926D	1925	N23	W57	.837	12508	3.5	100	--N	4 C		.46			DE 2	
	07	1930	1936	NO FLARE PATROL														
621 PALE	07	1935E	1947	1936	N26	W56	.833	12508	3.6	120	--F	2 C		.63			F 3	
622 PALE	07	2045	2057	2047	S12	W49	.792	12507	4.2	12	--F	2 C		.27			F 2	
623 PALE	07	2106	2115	2108	S13	E08	.371	12513	6.5	9	--F	2 V		.41			F 2	
625 PALE	07	2250E	22560	2254	N24	W58	.847	12508	3.6	60	--F	3 V		.62			F 3	
GRP49626	07	2250	2300	2253	S17	W51	.828	12507	4.1	10	--N			.31			2 2 2 3	
PALE	07	2250E	22560	2254	S18	W50	.823	12507	4.2	60	-N	3 V		.31				
MANI	07	2251E	2300	2251U	S15	W51	.821	12507	4.1	90	-N	1	2251	.31	.50			
627 PALE	07	2356	0021	0000	S16	W50	.816	12507	4.2	25	--F	3 V		.52			U F 3	
628 PALE	08	0210	02200	0215	N14	W66	.907	12508	3.1	100	--F	2 C		.72			F 3	
GRP49629	08	0237	0250	0241	S15	W52	.830	12507	4.2	13	-B			1.04			4 4 4 4	
MANI	08	0235	0255	0240	S15	W52	.830	12507	4.2	20	1B	2	0240	1.96	3.38		H	
CROM	08	0238	0248	0240	S14	W52	.827	12507	4.2	10	-N	V	0240	.93				
TEHR	08	0238E	0248	0241	S16	W50	.816	12507	4.4	100	-B	2 V		.83			DE H	
PALE	08	0242E	0250	0242	S13	W52	.824	12507	4.2	80	-B	3 C		.45			F	
630 PALE	08	0245	0258	0252	N15	W66	.906	12508	3.2	13	--F	2 C		.27			4	
GRP49635	08	0743	0801	0749	S16	W56	.867	12507	4.1	18	--F			.56			3 3 2 10	
ABST	08	0736	08060	0748	S16	W57	.875	12507	4.0	280	-F	P	0748	.90	1.80	65	D	
ISTA	08	0745	0800		S16	W56	.867	12507	4.1	15	-F			.21			D	
MONI	08	0746	0756	0749	S16	W55	.859	12507	4.2	10	-N	C	0749	.21				
GRP49636	08	0848	0900	0849	S16	W56	.867	12507	4.2	12	--N			.39			3 3 3 9	
MONI	08	0848	0854	0849	S16	W55	.859	12507	4.2	6	-N	C	0849	.21				
ARCE	08	0848	0910	0848	S16	W58	.882	12507	4.0	22	-N	C	0848	.55	1.20			
MEUD	08	0849	0855	0849	S17	W56	.870	12507	4.2	6	-F	C	0849	.41	.80		D	
6 STATIONS REPORTING GROUP 49639. 3 STATIONS OBSERVING AND NOT REPORTING.																		
GRP49639	08	1216	1258	1219	S11	W03	.317	12513	8.3	42	1N			2.86			4 4 4 7	
TEHR	08	1215E	1252	1217	S11	W04	.320	12513	8.2	370	-N	3 V		1.65			F	
CATA	08	1215	1305	1220	S10	W05	.308	12513	8.1	50	-B	3	1220	1.44	1.52	(204)		
WEND	08	1215	1256		S11	W03	.317	12513	8.3	41	2N	P		6.19				
CANR	08	1217	12200	1220	S10	E01	.297	12513	8.6	30	1N	V		2.17				
49639	08	1237	1300	(1239)	S11	W04	.320	12513	8.2	23	*-F			1.55			2 2 2 9	
MCMA	08	1237E	13000		S10	W05	.308	12513	8.2	230	-F	P	1237	1.03	1.10		E	
MEUD	08	1239E	12410		S11	W02	.315	12513	8.4	20	1F	C	1240	2.06	2.10			
640 RAMY	08	1818E	1831	1818U	N25	W73	.949	12508	3.3	130	--F	3 V		.21			DE 1	
641 RAMY	08	1830	1840	1831	N17	W37	.607	12510	6.0	10	--F	3 V		.21			DE 1	
642 PALE	08	1944E	1952	1946U	S11	W07	.334	12513	8.3	80	--F	3 V		.62			F 2	
643 PALE	08	2029	20350	2033	N27	W75	.958	12508	3.2	60	--F	2 C		.27			2	
644 PALE	08	2202E	22130	2205U	N16	W74	.955	12508	3.4	110	-N	2 V		.41			DE 3	
645 MANI	08	2230	2245	2234	S11	W10	.355	12513	8.2	15	-N	1	2234	.93	.99		F 2	
646 PALE	08	2324	2345	2327	S11	W11	.363	12513	8.1	21	--F	1 C		.45			F 4	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DIST.	MCMATH PLAGE REGION	CMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %				
					LAT.	WER. DIST.														
GRP49650	09	0500	0522	0510	S11	W15	.400	12513	8.1	22	--N		.83				3 3 3 6			
MANI	09	0500E	05150	0508U	S11	W14	.390	12513	8.2	150	-N	2	0508	1.03	1.12		F			
TEHR	09	0507E	0524	0511	S12	W15	.412	12513	8.1	170	-N	3		.64			F			
CRON	09	0510E	0519		S11	W15	.400	12513	8.1	90	-N			.83						
GRP49651	09	0635	0649	0637	S17	W72	.967	12507	3.9	14	--N		.33				4 3 2 7			
CATA	09	0635	0645	0635	S18	W68	.949	12507	4.2	10	-N	3	0635	.29		(155)	F			
TEHR	09	0636	0648	0638	S20	W71	.966	12507	3.9	12	-N	2		.36			D			
ISTA	09	0638	0647		S16	W70	.957	12507	4.0	3	-F									
CRON	09	0644	0656		S15	W78	.986	12507	3.4	12	-N			.41						
GRP49652	09	0816	0833	0820	S10	W17	.409	12513	6.1	15	--N		.50				6 6 4 7			
TEHR	09	0817	0832	0819	S11	W17	.421	12513	8.1	15	-N	2		.28			F			
WEND	09	0818	0833		S10	W18	.421	12513	8.0	15	-N									
CRON	09	0819	0848		S10	W15	.388	12513	8.2	29	-N			.41						
CATA	09	0820E	0825	0820	S09	W17	.398	12513	8.1	50	-B	1	0820	.58	.63	(209)				
ISTA	09	0820E	0825		S10	W17	.409	12513	8.1	50	-F									
ARCE	09	0825E	08350		S10	W17	.409	12513	8.1	100	-F		0825	.71	.80					
GRP49656	09	1018	1033	1024	S10	W19	.432	12513	8.0	15	--N		.37				2 2 2 4			
CATA	09	1015	1035	1025	S10	W16	.421	12513	8.1	20	-N	3	1025	.40	.44	(166)	F			
TEHR	09	1020	1031	1022	S10	W20	.444	12513	7.9	11	-N	3		.33						
GRP49656	09	1526	1542	1532	S09	W36	.634	12520	6.9	16	--E		.58				2 2 1 4			
CATA	09	1525E	15320	1532	S08	W37	.642	12520	6.9	70	-B	3	1532	.58	.75	(214)				
WEND	09	1526	1542		S09	W34	.610	12520	7.1	16	-N									
655 RAMY	09	1558	1611	1600	N23	W85	.992	12508	3.3	13	-N	4					DE 3			
GRP49660	09	1843	1907	1847	S19	W80	.993	12507	3.8	24	-F		.45				2 2 1 3			
PALE	09	1843E	1850	1845U	S19	W77	.985	12507	4.0	70	-F	1		.45						
RAMY	09	1843	1924	1848	S19	W83	.997	12507	3.6	41	1N	3					DE			
GRP49661	09	2053	2111	2055	S19	W83	.997	12507	3.6	18	--F		1.08				2 2 1 3			
PALE	09	2051E	21030	2053U	S19	W85	.999	12507	3.5	120	-F	1		.45						
PALE	09	2053E	2109	2055U	S17	W79	.990	12507	3.9	160	-F	1		.63						
RAMY	09	2058E	2112		S19	W83	.997	12507	3.6	140	-N	3					DE			
	09	2148	2204	NO FLARE PATROL																
GRP49664	09	2204	2210	2207	S11	W38	.669	12520	7.1	6	--F		1.04				2 2 2 2			
PALE	09	2204E	2205	2204U	S11	W37	.657	12520	7.1	10	-F	2		1.55			F			
MANI	09	2205E	2215	2210	S11	W39	.681	12520	7.0	100	-F	1	2210	.52	.70		F			
665 MANI	09	2215E	22250	2215U	N21	W86	.997	12508	3.3	100	--F	1	2215	.52	1.54		F 1			
GRP49663	10	0223	0251	0232	S11	W41	.703	12520	7.0	28	-N		1.02				3 3 3 4			
PALE	10	0223	0253	0230	S10	W41	.699	12520	7.0	30	-N	2		.72			F			
MANI	10	0223	0250	0234	S11	W41	.703	12520	7.0	27	-N	2	0234	.93	1.29		F			
CRON	10	0224	0251		S11	W40	.692	12520	7.1	27	-B			1.40						
4 STATIONS REPORTING GROUP 49670. 1 STATIONS OBSERVING AND NOT REPORTING.																				
GRP49670	10	0227	0255	0233	S17	W45	.773	12512	6.7	28	-N		.66				2 2 2 4			
CRON	10	0225	0235	0230	S17	W45	.773	12512	6.7	10	-N		.60				F			
PALE	10	0229	03150	0235U	S17	W45	.773	12512	6.7	460	-N	2		.72						
49670	10	0234	0323	0244	S18	W44	.769	12512	6.8	43	*-F		.77				3 2 2 4			
PALE	10	0229	03150	0243U	S17	W45	.773	12512	6.7	460	-F	2		.91			F			
MANI	10	0239	03230	0244	S19	W43	.764	12512	6.9	440	-N	2	0244	.62	.95		F			
TEHR	10	0300E	03100	0300U	S18	W43	.759	12512	6.9	100	-N	2		.21						
GRP49671	10	0256	0323	0300	S10	W41	.699	12520	7.0	27	-N		1.38				3 3 3 4			
PALE	10	0255	03150	0259U	S10	W42	.710	12520	7.0	200	-B	2		1.34			F			
MANI	10	0256	03230	0301	S11	W42	.715	12520	7.0	270	1N	2	0301	2.27	3.19		F			
TEHR	10	0300E	03100	0300U	S09	W39	.671	12520	7.2	100	-N	2		.52						
GRP49674	10	0825	0837	0827	S10	W43	.721	12520	7.1	12	--N		.52				4 4 4 7			
TEHR	10	0821	0838	0826	S10	W43	.721	12520	7.1	17	-N		.50				F Z			
ARCE	10	0825E	08400		S09	W44	.726	12520	7.1	150	-N		.68	1.00			DE			
ATHN	10	0826E	0835	0828	S12	W41	.708	12520	7.3	90	-N		.50							
CRON	10	0826	0833		S10	W43	.721	12520	7.1	7	-F		.40							
GRP49676	10	1140	1216	1149	S10	W46	.754	12520	7.0	36	--F		.39				4 4 4 7			
MCMA	10	1136	1215	1155	S09	W47	.761	12520	7.0	39	-F		.31	.50			E			
CANR	10	1140	14480	1148	S11	W44	.737	12520	7.2	1880	-N		.41	.60						
ATHN	10	1143	1217	1145	S12	W45	.751	12520	7.1	34	-F		.50				DE			
ARCE	10	1145E	12100		S09	W46	.750	12520	7.0	250	-N		.35	.50						

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCARTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
GRP49678	10	1211	1226	1214	S10	W32	.591	12513	8.1	15	--N			.53				2 2 2 7
ATHN	10	1209	1222	1213	S10	W31	.579	12513	8.2	13	-N	2 C		.33				DE
MCMA	10	1212	1230	1214	S10	W32	.591	12513	8.1	16	-N	C	1214	.72	.90			E
681 RANY	10	1610E	1629D		S18	W90	1.001	12507	3.9	13D	-N	2 C						4
GRP49682	10	1843	1908	1845	S11	W32	.598	12513	8.4	29	--F			.57				2 2 2 3
MCMA	10	1843	1912	1845	S11	W32	.598	12513	8.4	29	-F	C	1845	.41	.50			E
PALE	10	1844E	1904	1845	S10	W32	.591	12513	8.4	20C	-N	2 C		.72				F
GRP49633	10	2014	2037	2020	S11	W49	.789	12520	7.2	23	--F			.31				3 3 3 3
PALE	10	2014	2038	2017	S11	W49	.789	12520	7.2	24	-F	2 C		.36				
MCMA	10	2014	2035	2022	S10	W49	.785	12520	7.2	21	-N	C	2022	.36	.60			D
HUAN	10	2016E	2033D		S13	W48	.786	12520	7.2	17D	-F	1 P	2021	.21	.33			CO
GRP49684	10	2024	2047	2027	S10	W34	.616	12513	8.3	23	--F			.37				3 3 3 3
PALE	10	2023	2044	2027	S10	W33	.603	12513	8.4	21	-F	2 C		.55				F
MCMA	10	2024	2050	2027	S10	W34	.616	12513	8.3	26	-F	C	2027	.36	.40			D
HUAN	10	2024	2033D		S11	W36	.646	12513	8.1	9D	-F	1 P	2030	.21	.26			D
	10	2110	2111															NO FLARE PATROL
	10	2229	2244															NO FLARE PATROL
	10	2300	2305															NO FLARE PATROL
GRP49686	11	0655	0736	0703	S11	W55	.845	12520	7.2	41	-N			1.93				9 8 7 9
ARCE	11	0654E	0745D		S10	W56	.851	12520	7.1	51D	-N	C	0705	.84	1.60			
ATHN	11	0654	0729	0659	S12	W56	.856	12520	7.1	35	-N	3 C		1.49				F
CRON	11	0654E	0734		S10	W54	.834	12520	7.2	40D	-N	V		1.03				
TEHR	11	0655	0740	0704	S11	W53	.827	12520	7.3	45	-E	3 V		.99				Z U
CATA	11	0655	0735	0705	S12	W55	.848	12520	7.2	40	1E	1 C	0705	2.60	4.91		(219)	
ABST	11	0655	0720	0701	S12	W58	.873	12520	6.9	25	2N	C	0701	4.50	9.30		98	E
ISTA	11	0700E	0743D		S10	W55	.843	12520	7.2	43D	-N							
MONT	11	0702E	0744	0705	S11	W53	.827	12520	7.3	42D	-N	C	0705	2.06				E
CANR	11	0720	0747		S11	W55	.845	12520	7.2	27	-N	V	0721	.83	1.36			
GRP49637	11	0756	0826	0803	S11	W41	.703	12513	8.3	30	-N			1.27				10 10 9 10
ATHN	11	0724	0738	0729	S12	W40	.697	12513	8.3	14	-F	3 C		.33				DE
ARCE	11	0725	0815	0810	S11	W42	.715	12513	8.2	50	-N	C	0810	.93	1.40			F
ISTA	11	0727	0824	0804	S11	W39	.681	12513	8.4	57	-N							
MONT	11	0752	0838	0803	S11	W40	.692	12513	8.3	46	-N	C	0803	2.27				
CANR	11	0753	0835		S13	W41	.713	12513	8.3	42	-F	V		.62	1.00			
ATHN	11	0753	0819	0800	S11	W41	.703	12513	8.3	26	-N	3 C		.99				F
TEHR	11	0756	0824	0759	S11	W39	.681	12513	8.4	28	-N	3 V		.66				DE
MEUD	11	0758	0820	0802	S12	W41	.708	12513	8.3	22	-N	C	0802	1.24	1.70			E
ABST	11	0758	0827D	0803	S12	W41	.708	12513	8.3	29D	1N	P	0803	2.43	3.50		89	E
CATA	11	0800	0835	0805	S12	W41	.708	12513	8.3	35	1B	3 C	0805	1.44	2.05		(204)	
CRON	11	0800	0821		S10	W41	.699	12513	8.3	21	-F	V		.88				
GRP49690	11	1445	1532	1451	S10	W46	.754	12513	8.2	47	--F			.49				2 2 2 6
RANY	11	1445	1513	1451	S10	W45	.743	12513	8.2	28	-F	3 C		.46				DE
ARCE	11	1445E	1550		S09	W47	.761	12513	8.1	65D	-F	C	1451	.52	.80			
GRP49631	11	1553	1559	1555	S12	W45	.751	12513	8.3	6	--N			.46				3 3 3 5
ARCE	11	1550	1556	1552	S11	W46	.758	12513	8.2	6	-N	C	1552	.48	.70			
RANY	11	1552	1603	1555	S12	W44	.741	12513	8.4	11	-N	3 C		.28				DE
CANR	11	1557	1557D		S13	W45	.756	12513	8.3		-F	V	1557	.62				
GRP49693	11	2110	2119	2113	S10	W50	.795	12513	8.1	9	--N			.38				2 2 2 2
PALE	11	2110	2119	2113U	S10	W49	.785	12513	8.2	9	-N	3 C		.45				DE
MCMA	11	2110	2118	2112	S10	W50	.795	12513	8.1	8	-N	C	2112	.31	.50			E
	11	2207	2233															NO FLARE PATROL
	11	2235	2237															NO FLARE PATROL
694 TEHR	12	0420	0433	0424	S12	W64	.917	12520	7.4	13	--F	2 C		.17				F 3
GRP49695	12	1049	1105	1052	S12	W60	.888	12513	8.0	16	--F			.27				3 3 3 7
ARCE	12	1046	1125D	1052	S11	W61	.894	12513	7.9	39D	-F	C	1052	.29	.60			H
MEUD	12	1049	1054	1051	S13	W59	.883	12513	8.0	5	-F	C	1051	.31	.60			D
MONT	12	1051	1055	1053	S12	W61	.896	12513	7.9	4	-N	C	1053	.21				D
GRP49698	12	1617	1624	1619	S13	W56	.875	12513	8.3	7	--F			.37				2 2 1 5
RANY	12	1616	1623	1618	S15	W57	.872	12513	8.4	7	-F	4 C		.37				DE
HUAN	12	1617	1624	1619	S11	W58	.871	12513	8.3	7	-F	1 C	1619					
699 RANY	12	1819E	1822D		S10	W76	.983	12520	6.9	3D	--F	3 C						DE 3

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCNATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %	
	12	1851	1853	NO FLARE														
	12	2039	2040	NO FLARE														
	12	2126	2155	NO FLARE														
	12	2235	2236	NO FLARE														
700 CRON	12	2341E	2349		S12	W74	.970	12520	7.4	30	-N	V						2
701 TEHR	13	0457	0522	0504	S13	W66	.931	12513	8.3	25	--F	2 C		.28				F 4
GRP49705	13	0933	0939	0935	S12	W68	.941	12513	8.3	6	-N			.62				3 3 3 7
TEHR	13	0932E	0940	0934	S13	W66	.931	12513	8.4	30	-B	3 C		.55				F
MONT	13	0933	0937	0935	S12	W70	.952	12513	8.1	4	-N	C	0935	.72				
CATA	13	0935	0940	0935	S12	W67	.936	12513	8.4	5	-N	1	0935	.58				(166)
GRP49706	13	1042	1052	1044	S12	W71	.957	12513	8.1	10	-N			.45				2 2 1 7
TEHR	13	1041	1052	1044	S13	W68	.943	12513	8.3	11	-H	3 C		.45				F
WENO	13	1042	1051		S11	W73	.965	12513	8.0	9	-N							
707 RAMY	13	1231	1241	1233	S12	W71	.957	12513	8.2	10	-N	3 C						DE 3
708 RAMY	13	1908	1920	1911	S08	W70	.982	12513	7.9	12	--F	2 C						DE 3
	13	2154	2219	NO FLARE														
	13	2223	2229	NO FLARE														
GRP49709	14	0225	0251	0231	S15	W85	.999	12513	7.7	26	-N			.88				3 2 2 5
MANI	14	0225	0258	0228	S13	W64	.997	12513	7.8	33	-N	2	0228	.72	2.02			F
FALE	14	0226E	0244	0233U	S16	W85	.999	12513	7.7	180	1N	2 V		1.03				F
CRON	14	0228	0335C	0335	S10	W76	.983	12513	8.3	670	-N	V	0335	.83				
GRP49710	14	0304	0322	0307	S11	W61	.992	12513	8.1	18	-B			1.12				3 3 3 6
CRON	14	0228	0331	0307	S10	W78	.983	12513	8.3	63	-N	V	0307	.83				
TEHR	14	0304	0315C	0307	S13	W82	.994	12513	8.0	11C	-B	3 C		.55				F
MANI	14	0305	0315	0307	S12	W85	.998	12513	7.8	10	1B	2	0307	1.55	4.42			F
TEHR	14	0305E	0319	0306U	S12	W78	.984	12513	8.3	140	-B	3 V		.99				F
GRP49714	15	2243	2253	2245	S08	E54	.828	12522	20.0	10	-N			.98				2 2 2 5
VORO	15	2243	2251	2244	S07	E54	.826	12522	20.0	8	-B	C	2244	1.02	1.70			62 DFJ
PALE	15	2244E	2254D	2245U	S09	E53	.822	12522	19.9	100	-F	3 V		.93				
	16	1820	2127	NO FLARE														
GRP49719	17	0150	0202	0152	S10	E37	.652	12522	19.9	12	--F			.55				2 2 1 6
CRON	17	0150	0202		S10	E37	.652	12522	19.9	12	-F	V						
PALE	17	0151E	0152U	0152U	S10	E37	.652	12522	19.9	10	-F	2 C		.55				F
	17	2146	2226	NO FLARE														
	19	1940	2113	NO FLARE														
	20	1817	1819	NO FLARE														
	20	1832	1834	NO FLARE														
	20	1922	1930	NO FLARE														
	20	2128	2225	NO FLARE														
GRP49728	21	1035	1102	1040.	N12	E67	.914	12535	26.5	27	--F			.71				4 4 4 7
RAMY	21	1034	1055	1040U	N12	E69	.928	12535	26.6	21	-F	2 C		.65				DE
CATA	21	1035	1115	1040	N12	E65	.900	12535	26.3	40	-F	1	1040	.87	1.99			(141)
CARR	21	1035	1055	1036	N13	E63	.884	12535	26.2	28	-N	V	1038	.83	1.60			
ATHN	21	1041E	10410	1041U	N12	E71	.940	12535	26.8		-F	4 V		.50				DE
GRP49729	21	1342	1358	1345	N14	E68	.921	12535	26.7	16	--F			.30				2 2 2 4
RAMY	21	1342	1356	1345	N13	E68	.921	12535	26.7	14	-F	3 C		.37				DE
ARJE	21	1349E	1359D		N15	E67	.914	12535	26.6	100	-N	C	1349	.22	.50			
730 HUAN	21	1746	1749D	1747	N13	E68	.921	12535	26.8	30	--F	1 P	1747	.21				0 2
	21	1755	1804	NO FLARE														
	21	1815	1908	NO FLARE														
	21	1924	2042	NO FLARE														

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX INT. %		
					LAT.	MER. DIST.													
	21	2209	2226	NO FLARE PATROL															
737 RMY	22	2109	2121	2113	N16	E50	.762	12535	26.6	12	--F	3 C		.31				1	
GRP49739	23	0937	0949	0941	N04	E36	.587	12532	26.1	12	--N			.74				3 3 3 5	
ATHN	23	0935	0947	0941	N04	E37	.601	12532	26.2	12	-N	2 C		.58				DE	
KHAR	23	0937E	09490	0943	N03	E35	.575	12532	26.0	120	-N	C	0943	1.13	1.40			D	
CATA	23	0940	0950	0940	N04	E35	.573	12532	26.0	10	-F	1	0940	.58	.70	(141)			
GRP49742	23	1509	1524	1515	N05	E33	.543	12532	26.1	15	--F			.24				2 2 2 4	
RMY	23	1503	15200	1512	N05	E33	.543	12532	26.1	170	-F	3 C		.15				DE	
ATHN	23	1514	15240	1517	N04	E33	.544	12532	26.1	100	-F	3 C		.33				DE	
GRP49743	23	1748	1816	1754	S14	E32	.617	12534	26.1	28	-N			1.01				3 3 3 3	
CANR	23	1747	17510	1751	S15	E35	.657	12534	26.4	40	-N	V		1.55					
RMY	23	1748	18010	1750	S14	E30	.594	12534	26.0	130	-N	3 C		.56				DE	
PALE	23	1759E	1816	18000	S12	E32	.603	12534	26.1	170	-N	3 V		.93				F	
744 PALE	23	1828	1841	1830	N12	E40	.639	12535	26.8	13	--N	3 V		.52				U 2	
745 PALE	23	1910E	1917	19120	N04	E37	.601	12535	26.6	70	--F	3 V		.31				2	
GRP49746	24	0242	0300	0245	N22	E90	.999	12537	30.9	18	1N			.78				2 2 2 4	
MITK	24	0242	0303	0244	N22	E90	.999	12537	30.9	21	1N	C	0244	.93					
PALE	24	0242	0256	0246	N22	E90	.999	12537	30.9	14	1N	2 C		.63					
747 PALE	24	0245	0251	0248	N19	W35	.589	12525	21.5	6	--F	2 C		.36				4	
GRP49748	24	0447	0503	0452	N11	E34	.556	12535	26.7	16	--N			.28				1 1 1 4	
TEHR	24	0447	05030	04520	N12	E33	.543	12535	26.7	160	-N	2 C		.28				F	
TEHR	24	0448E	0457	0451	N10	E35	.570	12535	26.8	90	-F	4 V		.25				DE	
GRP49752	24	0640	0648	0642	N13	E39	.627	12535	27.2	8	--N			.75				2 2 2 8	
ATHN	24	0639	0645	0641	N13	E39	.627	12535	27.2	8	-N	3 C		.50				F	
ABST	24	0641	0650	0642	N13	E39	.627	12535	27.2	3	-N	C	0642	.99	1.20	69		EV	
GRP49753	24	0655	0711	0657	N14	E35	.575	12535	26.9	16	--B			.51				5 4 3 8	
ABST	24	0655	0716	0659	N14	E32	.533	12535	26.7	21	-B	C	0659	.90	1.00	92		DK	
ATHN	24	0655E	0712	06550	N13	E37	.600	12535	27.1	170	-B	4 V		.33				DE	
ISTA	24	0655	0705		N14	E33	.547	12535	26.8	10	-N							E	
CRON	24	0655E	0709		N14	E36	.588	12535	27.0	140	-N	V		.31					
CATA	24	0715E	0720	0715	N13	E31	.516	12535	26.6	50	-N	1	0715	.29	.33	(178)			
GRP49758	24	1754	1830	1803	N04	W05	.101	12530	24.4	36	-N			1.09				2 2 2 2	
MCMA	24	1754	1830	1759	N03	W06	.125	12530	24.3	36	-N	C	1759	.62	.60			E	
CANR	24	1758E	18100	1806	N05	W04	.078	12530	24.4	120	-N	V	1806	1.55	1.50				
	25	0446	0500	NO FLARE PATROL															
761 ISTA	25	0653	0701		S12	E06	.340	12534	25.7	8	--F							D 2	
GRP49762	25	1716	1739	1718	N05	W16	.276	12530	24.5	23	--F			.34				2 2 2 4	
MCMA	25	1716	1740	1720	N05	W15	.260	12530	24.6	24	-F	C	1720	.31	.30			E	
PALE	25	1716E	1738	17160	N04	W16	.279	12530	24.5	220	-N	4 V		.36				F	
765 PALE	25	1905E	1920	19100	N13	E12	.229	12535	26.7	150	--F	3 C		.55				F 3	
766 PALE	25	2025E	20300		N06	W16	.274	12530	24.7	50	--F	2 C						F 2	
	25	2230	2319	NO FLARE PATROL															
	25	2320	2328	NO FLARE PATROL															
768 PALE	26	0353	0358	0355	N05	E04	.077	12532	26.5	5	--F	2 V		.62				F 3	
GRP49769	26	0635	0700	0639	N05	W23	.390	12530	24.5	25	-B			.90				2 2 2 4	
MITK	26	0635	0700	0638	N05	W23	.390	12530	24.5	25	-B	C	0638	.93	1.00			D	
CATA	26	0640E	06450	0640	N04	W23	.392	12530	24.6	50	-N	1	0640	.87	.94	(200)			
770 MITK	26	0644	0705	0652	N12	E04	.112	12535	26.6	21	-N	C	0652	1.03	1.00			2	
772 PALE	26	1905E	1920	19100	N13	E12	.230	12536	27.7	150	--F	3 C		.55				F 2	
773 PALE	26	2000	2010	2004	S16	E78	.986	12542	1.7	10	--N	2 C		.19				2	
774 PALE	26	2025E	20300		N06	W16	.274	12532	25.7	50	--F	2 C						F 2	
775 PALE	26	2044	2051	2047	N07	W36	.584	12530	24.2	7	--N	2 C		.19				2	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCARTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hq	MAX. INT. %			
					LAT.	MER. DIST.														
776 PALE	26	2108	2132	2113	N16	E03	.166	12535	27.1	24	--N	3	C		.63			F	1	
GRP49777 PALE MITK MANI	27	0013	0027	0020	N17	E01	.176	12535	27.1	14	--N				.53			3	3	
	27	0012	0025	0022	N17	E01	.176	12535	27.1	130	-N	2	C		.55			F	4	
	27	0013	0016	0015	N17	E01	.176	12535	27.1	30	-F			0015	.52	.50		D		
	27	0022E	0027	0022U	N16	E01	.159	12535	27.1	50	-N	1		0022	.52	.52		F		
778 MANI	27	0303	0315	0307	N17	W08	.221	12535	26.5	12	--F	2		0307	.31	.32			2	
GRP49773 TEHR CRON ABST CANR	27	0651	0900	0653	N12	W13	.238	12535	26.4	9	--F				.99			4	4	
	27	0851	0858	0851	N14	W14	.267	12535	26.3	7	-N	2	C		.28			DE	6	
	27	0851	0900	0855	N12	W12	.223	12535	26.5	9	-N		V		.52					
	27	0851	0900	0852	N11	W13	.233	12535	26.4	9	1F		C	0852	2.43	2.50		68	EV	
	27	0855E	0900		N12	W12	.223	12535	26.5	50	-F		V	0855	.72	.70				
GRP49780 CANR ABST TEHR CATA	27	1108	1134	1111	S15	E48	.792	12540	1.1	28	1N				1.71			4	4	
	27	1107	1128	1110	S13	E48	.784	12540	31.1	21	-F		V	1110	1.24	1.80			5	
	27	1107	1142	1111	S16	E48	.796	12540	31.1	35	2N		C	1111	3.33	5.50		72	EU	
	27	1108	1136	1111	S16	E48	.796	12540	31.1	28	-N	2	C		1.09			OE		
	27	1110	1130	1110	S15	E47	.782	12540	31.0	200	-N	1		1110	1.16	1.86		(162)		
GRP49781 TEHR CANR	27	1156	1206	1158	S14	E71	.959	12542	2.8	10	-N				.40			2	2	
	27	1155	1207	1156	S15	E72	.964	12542	1.9	12	-N	2	C		.28			F	5	
	27	1157	1204	1159	S12	E69	.946	12542	1.7	7	-N		V	1159	.52	1.20				
782 RAMY	27	1339	1348	1343	S11	E90	1.000	12545	3.3	9	--F	2	C						3	
	27	1902	1903	NO FLARE PATROL																
	27	2108	2147	NO FLARE PATROL																
	27	2152	2230	NO FLARE PATROL																
783 VORO	27	2240	2251	2244	N10	W19	.326	12535	26.5	11	-E		C	2244	1.85	1.89		64	EJL	1
784 ABST	28	0627	0639	0632	N11	W65	.901	12530	23.4	12	--F		C	0632	.54	1.20		52	OG	4
791 PALE	28	1723	1733	1726	N07	W58	.844	12530	24.4	10	--F	2	C		.45			F	3	
792 PALE	28	1910	1916	1911	S16	E30	.606	12540	31.0	6	--F	2	C		.36			F	1	
793 PALE	28	1940	1947	1941	N17	W29	.501	12535	26.6	7	--F	2	C		.19				2	
	29	0250	0303	NO FLARE PATROL																
GRP49794 ABST TEHR	29	0447	0514	0451	N16	E57	.833	12543	3.5	27	1N				1.94			2	2	
	29	0447	0522	0450	N16	E57	.833	12543	2.5	35	2N		C	0450	2.88	5.30		740	F	2
	29	0448E	0505	0451	N15	E57	.833	12543	2.5	170	-N	3	V		.99			F		
GRP49799 CATA CATA	29	1555	1600	1600	N13	W39	.628	12535	26.7	5	-B				.87			1	1	
	29	1555	1600	1600	N13	W37	.601	12535	26.9	50	-B	1		1600	.87	1.08		(204)		
	29	1555	1600	1600	N13	W42	.666	12535	26.5	50	-N	1		1600	.29	.38		(186)		
800 RAMY	29	1705E	1715	1707	N16	E51	.774	12543	2.5	100	--F	4	V		.50			DE	2	
801 PALE	29	1852E	1859	1853U	N02	W50	.767	12532	26.0	70	--F	2	V		.41			DE	2	
802 PALE	29	1852E	1904	1853U	N13	W42	.666	12535	26.6	120	--F	2	V		.93			F	2	
803 PALE	29	1942	1953	1947	S16	E40	.716	12542	1.8	11	--N	3	C		.27			DE	2	
804 PALE	29	2108	2119	2109	N15	W45	.705	12535	26.5	11	--F	3	C		.45			F	2	
805 PALE	29	2357E	0012	2357U	N16	E47	.730	12543	2.5	150	--N	3	C		.32			F	2	
GRP49806 PALE CRON	30	0015	0050	0020	N15	W43	.681	12535	26.8	35	--N				.72			2	1	
	30	0015	0048	0020	N15	W42	.669	12535	26.9	33	-N	3	C		.72			F	2	
	30	0038	0052		N14	W43	.680	12535	26.8	14	-F		V		.72					
807 CRON	30	0336E	0349		N16	E47	.730	12543	2.7	130	--F		V		.88				1	
GRP49808 ABST ABST CRON	30	0604	0630	0606	N14	W47	.728	12535	26.7	26	-F				.97			2	2	
	30	0559	0650	0606	N14	W46	.716	12535	26.8	51	1N		C	0606	1.62	2.40		F	3	
	30	0601	0636	0608	N14	W51	.773	12535	26.4	35	-N		C	0608	.90	1.20		OZ		
	30	0606	0624		N14	W45	.704	12535	26.9	18	-F		V		.31					
809 ABST	30	0558E	0620	0559	S12	E34	.625	12542	1.8	220	-F		P	0559	1.26	1.60		E	3	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY	MIN.	TANCE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP49810	30	0536	0625	0604	N08	W53	.794	12535	26.3	49	-F		1.25				2 2 2 3
GRUN	30	0536	0624		N08	W50	.761	12535	26.5	48	-F	V	1.24				
A6ST	30	0558E	0626	0604	N07	W56	.825	12535	26.0	280	1N	P	0604 1.26	2.10			D
GRP49816	30	1421	1435	1424	S13	E32	.608	12542	3.0	14	--F		.50				2 1 1 3
RAMY	30	1421E	1435	1424	S13	E33	.620	12542	2.1	140	-F	4 V	.50				DE
CANR	30	1431E	1431E		S12	E30	.577	12542	1.9		-F	V	1.55				
GRP49817	30	1517	1544	1523	S13	E09	.370	12540	1.3	27	-N		1.31				2 2 2 3
CANR	30	1517	1550	1519	S14	E07	.373	12540	31.2	33	-N	V	1.96				
RAMY	30	1521E	1537	1527	S12	E10	.362	12540	31.4	160	-N	4 V	.66				DE
	30	1946	2002		NO FLARE PATROL												
	30	2042	2112		NO FLARE PATROL												
	30	2118	2303		NO FLARE PATROL												
GRP49819	30	2318	2331	2321	S15	E01	.371	12540	1.0	13	-N		1.24				3 3 3 3
PALE	30	2317	2321	2321U	S15	E01	.371	12540	31.0	4	-B	3 V	.72				DE
CRCN	30	2318E	2338	2323	S15	E01	.371	12540	31.0	200	-N	V	.93				
MITK	30	2319	2333	2320	S14	E01	.355	12540	31.0	14	1N	C	2320 2.06	2.20			

Remarks:

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.

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
730901	31.80	22.5	730910	18.69	23.6	730920	0.00	22.9
730902	22.24	23.0	730911	28.17	23.5	730921	0.00	21.4
730903	25.25	19.9	730912	0.86	23.5	730923	5.38	24.0
730904	70.49	23.9	730913	3.99	23.5	730924	9.46	24.0
730905	50.72	21.9	730914	10.71	24.0	730925	0.00	22.8
730906	33.17	23.7	730915	5.87	24.0	730926	9.67	24.0
730907	156.68	23.9	730916	0.00	20.9	730927	35.70	22.7
730908	54.33	24.0	730917	0.00	23.3	730929	23.86	23.8
730909	1.91	23.7	730919	0.00	22.5	730930	41.07	21.6

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 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
467 MANI	01	0035E	0040	0035U	N04	W20	.345	12511	29.5	50	-F	1	0035	.41	.43			3
472 ATHN	01	0537	0550	0538U	N04	W25	.424	12511	29.4	13	-F	3	C		.50			DE 6
GRP49474	01	0551	0645	0602	S17	E69	.953	12512	6.4	54	1F			1.26				2 1 1 7
ABST	01	0551E	06450	0602	S17	E69	.953	12512	6.4	540	1F	P	0602	1.26			66	FK
ATHN	01	0639	0653	0642	S16	E71	.963	12512	6.6	14	-N	3	C		.33			DE
475 ABST	01	0604	0615	0606	N14	E75	.960	12510	6.9	11	-F		P	0606	.63			63 DJ 6
476 ISTA	01	0750E	0828		N16	W71	.939	12491	26.0	380	-N							7
487 MITK	02	0001E	0015	0005	N04	W37	.601	12511	29.2	140	-F		C	0005	1.65	2.00		E 5
490 CROCN	02	0157E	0203	0159	S17	E24	.558	12507	3.9	60	-F		V		.31			4
493 ABST	02	0534	0600	0540	S09	W01	.280	12516	2.2	26	-N		C	0540	.90	1.00		69 DZ 5
494 ABST	02	0550	0616	0555	N22	E15	.353	12508	3.4	26	1F		C	0555	2.88	2.80		65 FJ 7
GRP49496	02	0706	0728	0713	S19	E56	.875	12512	6.5	22	-F			.61				2 2 2 9
ABST	02	0706	07380	0714	S19	E58	.890	12512	6.6	320	-F	P	0714	.90	1.80		80	D
MANI	02	0712E	0718	0712U	S18	E54	.857	12512	6.4	60	-N	2		0712	.31	.56		
GRP49498	02	0750	0822	0753	N24	E15	.376	12508	3.5	32	-F			1.35				2 1 1 10
ABST	02	0750E	08220	0753	N24	E15	.376	12508	3.5	320	-F	P	0753	1.35	1.40		66	E
ARCE	02	0801	0817	0805	N24	E15	.376	12508	3.5	16	-N		C	0805	.23	.23		T
499 ABST	02	0751E	08220	0804	N05	W39	.627	12511	29.4	310	-F		P	0804	.72	1.00		52 DZ 11
GRP49503	02	0947	0959	0952	S18	E54	.857	12512	6.5	12	-F			.57				2 2 2 9
ATHN	02	0947E	1000	0949	S18	E53	.849	12512	6.4	130	-N	3	V		.50			DE
UPIC	02	0952E	0957	0955U	S18	E54	.857	12512	6.5	50	-F		P	0955	.63			T
504 UPIC	02	1018E	1022U	1019	S18	E54	.857	12512	6.5	40	-F		P	1019	.85			T 7
505 ATHN	02	1036E	1052	1036U	S09	W01	.280	12516	2.4	160	-N	3	V		.33			DE 7
506 ATHN	02	1036E	1101	1037	S12	E80	.990	12513	8.4	250	-N	3	V		.33			DE 7
507 CANR	02	1050	10590	1059	S15	E53	.839	12512	6.4	90	-F		V	1057	1.03	1.20		7
GRP49509	02	1121	1138	1129	S18	E53	.849	12512	6.4	17	-N			.99				2 2 1 6
WEND	02	1121	1132		S17	E52	.837	12512	6.4	11	-N							
TEHR	02	1126E	1143	1129U	S18	E54	.857	12512	6.5	170	-N	4	V		.99			DE
GRP49509	02	1233	1248	1235	S18	E53	.849	12512	6.5	15	-N			.25				2 2 1 7
TEHR	02	1233E	1244	1235	S18	E54	.857	12512	6.6	110	-N	4	V		.25			DE
WEND	02	1238	1251		S18	E51	.832	12512	6.4	13	-N							
511 HUAN	02	1524E	1531		S17	E50	.819	12512	6.4	70	-F	1	C	1525	.31	.53		6
GRP49512	02	1601	1607	1602	S16	E48	.797	12512	6.3	6	-F			.52				2 2 2 8
HUAN	02	1601	1606	1602	S16	E46	.797	12512	6.3	5	-F	1	C	1602	.41	.67		
UPIC	02	1601	1608U	1602	S16	E48	.797	12512	6.3	70	-F		P	1602	.63			T
513 RAMY	02	1620E	1630	1620U	N06	E90	1.000	12517	9.4	100	-N	2	V					7
518 MANI	03	0028	0056	0034	S17	E44	.764	12512	6.3	28	-N	2		0034	1.13	1.75		E 4
520 MANI	03	0300	03110	0302	S12	W43	.730	12509	29.9	110	-N	2		0302	.83	1.26		F 5
521 ABST	03	0526	0538	0528	S18	E42	.749	12512	6.4	12	-F		C	0528	.54	.80		59 D 6
522 ABST	03	0545	0548	0546	S17	E41	.734	12512	6.3	3	-N		C	0546	.72	1.00		80 DV 7
GRP49523	03	0613	0632	0616	S18	E06	.437	12507	3.7	19	-F			.85				2 2 2 9
MANI	03	0612	06170	0614	S18	E06	.437	12507	3.7	50	-F	2		0614	.62	.68		F
ABST	03	0614	0632	0617	S18	E05	.434	12507	3.6	18	-F		C	0617	1.08	1.20		66 E
524 ABST	03	0700	0713	0702	N24	E01	.269	12508	3.4	13	1F		C	0702	2.07	2.20		65 EZ 11
525 MONT	03	0717	0721	0717	N05	W51	.774	12511	29.5	4	-F		C	0717	.10			9
GRP49526	03	0753	0758	0754	S14	E10	.398	12507	4.1	5	-F			.14				2 2 2 9
TEHR	03	0751	0757	0752	S14	E10	.398	12507	4.1	6	-N	4	V		.17			DE
MONT	03	0754	0758	0755	S14	E10	.398	12507	4.1	4	-F		C	0755	.10			
527 MONT	03	0802	0820	0805	N05	W51	.774	12511	29.5	18	-F		C	0805	.10			7

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	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 Ha	MAX. INT. %	
526 MONT	03	0606	0612	0607	S16	E41	.728 12512	6.4	0	-F	C	0807	.10				7
GRP49524	03	0607	0614	0610	S15	E09	.406 12507	4.0	7	-F			.31				2 2 2 7
CRON	03	0605	0612		S15	E08	.400 12507	3.3	7	-N	V		.52				
MONT	03	0606	0615	0610	S14	E10	.398 12507	4.1	7	-F	C	0810	.10				
531 ARCE	03	0625E	0910		N07	W53	.794 12511	29.4	430	-N	C	0825	.71	1.20			9 8
532 ARCE	03	0625E	0905		N23	W01	.272 12508	3.3	400	-F	C	0835	.52	.50			8 8
533 MONT	03	0904	0906	0906	S17	E39	.714 12512	6.3	4	-F	C	0906	.10				9
534 ARCE	03	0955E	1011		N24	E00	.269 12508	3.4	160	-N	C	1000	.55	.60			8
535 ZUR1	03	1012	1034	1022	N05	W56	.826 12511	29.2	22	-F	C	1022	.95	1.70			7
537 MEUD	03	1323	1328	1323	N22	W02	.257 12508	3.4	5	-F	C	1323	.52	.50			E 11
536 CATA	03	1500	1515	1505	S14	E64	.920 12513	8.4	15	-N	3	1505	.29	.74		(195)	9
543 MANI	04	0022	0033	0024	N22	W09	.295 12508	3.3	11	-F	2	0024	1.03	1.08			F 4
544 MANI	04	0022	0032	0028	N15	E26	.448 12510	6.0	10	-N	2	0026	.31	.34			3
545 CRON	04	0052E	0106	0057	N13	E27	.457 12510	6.1	140	-N	V		.62				3
547 CRON	04	0140	0155	0145	S17	E30	.620 12512	6.3	15	-N	V		1.24				3
548 KOJA	04	0203E	0206		S16	E29	.601 12512	6.3	30	1F	P	0206	2.86	2.86			E 3
549 MANI	04	0324E	03260	03240	N13	E23	.396 12510	5.9	20	-N	1	0324	.62	.67			H 3
GRP49551	04	0553	0610	0558	N13	E22	.381 12510	5.9	17	-N			.40				2 2 2 9
MANI	04	0553	06100	0555	N13	E22	.381 12510	5.9	170	-N	1	0555	.21	.22			
CATA	04	0600E	0610	0600	N12	E22	.378 12510	5.9	100	-N	3	0600	.58	.62		(191)	
552 ABST	04	0605	06180	0607	N22	W12	.322 12508	3.4	130	-F	P	0607	1.26	1.30			E 9
553 MANI	04	0616E	06210	06180	S16	E27	.598 12512	6.3	30	-N	1	0618	.21	.26			H 9
3 STATIONS REPORTING GROUP 49554. 7 STATIONS OBSERVING AND NOT REPORTING.																	
GRP49554	04	0655	0731	0709	N14	E21	.370 12510	5.9	36	-N			.25				2 2 2 10
MONT	04	0645	0731	0703	N14	E21	.370 12510	5.9	46	-N	C	0708	.21				EH
CATA	04	0705	0730	0710	N14	E20	.355 12510	5.8	25	-N	3	0710	.29	.31		(151)	
49554	04	0646	0712	0652	N14	E29	.469 12510	6.5	26	*-F			.68				2 2 2 9
MCNT	04	0646	0708	0652	N14	E29	.469 12510	6.5	22	-N	C	0652	.72				
ARCE	04	0700E	07150		N13	E28	.472 12510	6.4	150	-F	P	0700	.64	.70			T
555 MONT	04	0724	0728	0725	S11	E59	.879 12513	8.7	4	-N	C	0725	.41				D 9
558 ARCE	04	1013E	10130		N21	W15	.342 12508	3.3		-F	C	1013	.35	.40			8
560 CANR	04	1216	1228	1218	N12	E21	.362 12510	6.1	12	-N	V	1218	.62	.70			8
GRP49563	04	1507	1518	1509	S12	E55	.848 12513	8.8	11	-F			.63				2 2 2 7
UPID	04	1506	15150	1506	S12	E53	.830 12513	8.6	90	-F	P	1506	.63				
CANR	04	1507	1518	1509	S12	E56	.856 12513	8.8	11	-F	V		.62				
566 CRON	05	0231	0240		S17	W18	.501 12507	3.8	9	-F	V		.31				4
571 MANI	05	0446	0456	0450	N11	E11	.199 12510	6.0	3	-N	2	0450	.41	.42			F 6
572 CRON	05	0522E	05400		N13	E16	.268 12510	6.4	180	-F	V		.52				5
573 CATA	05	0635	0650	0640	S18	W21	.540 12507	3.7	15	-N	3	0640	.58	.63		(158)	11
GRP49574	05	0640	0605	0655	S12	W75	.974 12509	30.7	35	-F			.10				2 2 1 11
ISTA	05	0630E	0605		S11	W73	.965 12509	29.8	950	-N							80
MONT	05	0649	0704	0655	S13	W77	.962 12509	29.5	15	-F	C	0655	.10				
575 CANR	05	1306	1336	1315	N15	E11	.230 12510	6.4	30	-F	V						8
580 CANR	05	1438	1508	1443	N14	E10	.207 12510	6.4	30	-F	V		.72				9
581 ARCE	05	1528	1531	1528	N11	E06	.122 12510	6.1	3	-F	C	1528	.17	.20			8
590 CRON	06	0538	0548		N13	W04	.121 12510	5.9	10	-F	V		.31				6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.COND. TYPE	MEASUREMENTS					REMARKS
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCARTH. PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %	
591 UPIO	06	0625C	0637	0626	N07	W50	1.000	12511	29.5	120	-N	P	0626	.21				9
GRP49533	06	0831	0910	0841	N10	E03	.071	12510	6.6	39	-F			.52				2 2 2 10
MONT	06	0831	0900	0841	N11	E04	.095	12510	6.7	29	-N	C	0841	.10				D
ARCE	06	0835E	0920		N09	E02	.046	12510	6.5	450	-F	C	0845	.93	1.00			
GRP49534	06	0912	0929	0916	N06	W90	1.000	12511	30.6	17	1B			.66				2 2 2 11
MEUD	06	0912	0930	0915	N05	W90	1.000	12511	29.6	13	1B	C	0915	.93				E
UPIO	06	0914E	0927	0916	N07	W90	1.000	12511	29.6	130	1B	P	0916	.42				
595 TEHR	06	1020E	1032	1020U	N06	W90	1.000	12511	29.7	120	-B	4 V		.41				F 9
596 TEHR	06	1046E	1105	1047U	N05	W90	1.000	12511	29.7	190	-N	4 V		.21				F 8
596 TEHR	06	1210E	1230	1219	S13	W90	1.000	12509	29.8	200	-N	4 V		.41				F 10
GRP49539	06	1244	1253	1246	S16	E25	.558	12513	8.4	9	-F			.62				2 2 2 10
HUAN	06	1243	1250	1244	S15	E21	.507	12513	8.1	7	-F	1 C	1244	.21	.24			D
CANR	06	1245	1255	1247	S17	E28	.599	12513	6.6	10	-F	V	1247	1.03	1.20			
GRP49600	06	1301	1320	1303	S15	E22	.517	12513	8.2	19	-F			.52				2 2 2 12
CATA	06	1300	1320	1300	S15	E20	.497	12513	8.0	20	-N	3	1300	.58	.66	(170)		
HUAN	06	1302	1319	1305	S15	E24	.538	12513	6.3	17	-F	1 C	1305	.46	.54			E
601 UPIO	06	1351E	1357	1353	N08	W90	1.000	12501	29.8	60	-F	P	1353	.21				12
603 ARCE	06	1644	1647	1644	S15	E19	.487	12513	6.1	3	-F	C	1644	.55	.60			6
611 KODA	07	0455	0555	0505	S20	W43	.770	12507	4.0	60	-B	V	0505			1.72		E 5
612 MONT	07	0643	0700	0648	N10	W90	1.000	12501	30.5	17	-N	C	0648	.10				E 13
GRP49613	07	0850	0900	0852	S16	W42	.739	12507	4.2	10	-N			.36				2 2 2 11
MONT	07	0850	0855	0850	S16	W44	.759	12507	4.1	5	-N	C	0850	.21				
ATHN	07	0854E	0905	0854U	S15	W40	.713	12507	4.4	110	-N	4 V		.50				F
GRP49615	07	1411	1420	1412	N14	W17	.309	12510	6.3	9	-F			.62				2 2 2 11
MCMA	07	1411	1420	1412	N13	W17	.304	12510	6.3	9	-N	C	1412	.41	.48			E
CANR	07	1412E	14120		N15	W17	.315	12510	6.3		-F	V	1412	.83	.80			
616 ARCE	07	1555E	1559C		S11	E07	.334	12513	8.2	40	-N	P	1559	.77	.80			9
GRP49617	07	1602	1645	1608	S11	E10	.355	12513	8.4	43	-F			.57				2 2 2 9
HUAN	07	1601	1627D		S10	E10	.341	12513	8.4	260	-F	1 P	1607	.62	.66			
MCMA	07	1602	1645	1608	S11	E09	.347	12513	8.3	43	-F	C	1608	.52	.50			E
624 MANI	07	2226E	2233	2227U	S10	W80	.963	12516	1.9	70	-N	1	2227	.21	.53			3
631 TEHR	08	0411	0416	0413	N22	W63	.885	12508	3.4	5	-N	4 V		.33				F H 5
632 ABST	08	0631E	0655	0634	N16	W30	.509	12510	6.0	240	-F	P	0634	.90	1.00		55	D 8
GRP49633	08	0732	0825	0738	S11	W02	.315	12513	8.2	53	-F			.56				2 2 2 10
MONT	08	0731	0825	0738	S10	W01	.297	12513	8.2	54	-N	C	0738	.21				E
ABST	08	0732	0806D	0738	S11	W02	.315	12513	6.2	340	-F	P	0738	.90	.90		56	D
ABST	08	0733	0806D	0736	S11	W04	.320	12513	8.0	330	-F	P	0736	.90	.90		56	D
634 MONT	08	0734	0737	0736	N24	W64	.894	12508	3.5	3	-F	C	0736	.10				10
GRP49637	08	0904	0909	0904	S18	W58	.887	12507	4.0	5	-F			.47				2 2 2 10
MEUD	08	0904	0908	0904	S17	W56	.870	12507	4.2	4	-F	C	0904	.31	.60			D
UPIO	08	0905E	0909		S19	W59	.897	12507	4.0	40	-F		0905	.63				
636 MONT	08	0946	0953	0947	N21	W72	.943	12508	3.0	7	-N	C	0947	.10				8
647 MANI	09	0122	0134	0126	S10	W11	.349	12513	8.2	12	-F	2	0126	.31	.33			3
648 MANI	09	0141	0153D	0145	S10	W11	.349	12513	8.2	120	-F	2	0145	.31	.33			5
649 MANI	09	0451E	0454C	0452U	S18	W36	.710	12512	6.4	30	-F	2	0452	.41	.57			F 5
653 UPIO	09	0850	0855U	0852	S11	W31	.566	12520	7.0	50	-F	P	0852	.63				7
654 UPIO	09	0852	0855D		N11	W43	.677	12510	6.1	30	-F	P	0855	.42				7
655 ARCE	09	0900	0915	0906	S09	W30	.560	12520	7.1	15	-F	C	0906	1.03	1.40			7
657 TEHR	09	1126	1134	1127	S09	W31	.572	12520	7.2	8	-N	3 V		.09				DE 6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT %		
662 PALE	09	2103	2121	2107	S09	W40	.663	12520	6.9	18	-F	3 V		.52				DE	3
663 PALE	09	2118	2129	2119	N23	W82	.984	12508	3.7	11	-N	3 V		.31				DE	3
666 MANI	10	0022	0045	0026	S19	W42	.755	12512	6.9	23	-N	2	0026	.52	.78			F	3
667 MANI	10	0026	0043	0026	S11	W38	.669	12520	7.2	17	-N	2	0028	.31	.42				3
668 MANI	10	0129	0148	0131	S11	W40	.692	12520	7.1	19	-N	2	0131	.52	.70			F	3
672 ABST	10	0626E	0630	0627	N23	W89	.998	12508	3.6	40	1F	P	0627	.90			58	ADG	7
673 ABST	10	0648	0702	0650	S14	W33	.630	12513	7.8	14	-F	C	0650	.90	1.10		55	D	8
675 MONT	10	0933	1059	0937	N22	W90	.999	12508	3.6	86	-F	C	0937	.10				K	6
677 RAMY	10	1150	1221		N23	W90	.999	12508	3.7	31	-N	4 V							7
679 RAMY	10	1450	1502	1453	S10	W49	.785	12520	6.9	12	-F	3 C		.28				DE	5
680 HUAN	10	1516	1523	1519	S10	W32	.591	12513	8.2	7	-F	1 C	1519						7
685 ABST	11	0548E	06140	0558	N13	W70	.933	12510	6.0	260	-F	P	0558	.81			55	D	5
686 RAMY	11	1126E	11330	1126U	S12	W42	.719	12513	8.3	70	-F	3 C		.19				DE	8
GRP49683	11	1246	1259	1248	S13	W41	.713	12513	8.5	13	-F			.37				2 2 2 8	
ATHN	11	1245E	1258	1247	S12	W39	.686	12513	8.6	130	-F	3 V		.33				DE	
CANR	11	1246	1259	1248	S13	W42	.724	12513	8.4	13	-N	V	1246	.41	.50				
GRP49692	11	1650	1708	1655	S11	W45	.747	12513	8.3	18	-F			.63				2 2 1 7	
PALE	11	1650	1715	1655	S11	W45	.747	12513	8.3	25	-F	2 C		.63				F	
HUAN	11	1656E	1700		S11	W45	.747	12513	8.3	40	-F	1 P	1658						
GRP49695	12	0645	0722	0655	S12	W70	.952	12520	7.0	37	-F			.72				2 1 1 7	
ABST	12	0645E	07220	0655	S12	W70	.952	12520	7.0	370	-F	P	0655	.72				OK	
MONT	12	0707	0721	0711	S12	W69	.947	12520	7.1	14	-F	C	0711	.10					
697 ARCE	12	1130E	12000		S11	W57	.862	12513	8.2	300	-F	C	1145	.45	.90			H	8
702 ABST	13	0629E	0645	0642	S12	W70	.952	12513	8.0	160	-F	P	0642	.90				OK	7
703 ATHN	13	0648E	0680	0647	S12	W66	.930	12513	8.3	740	-F	2 C		.17				DE	7
704 ATHN	13	0745E	0753	0746	S11	W83	.995	12520	7.1	80	-F	4 C		.17				DE	9
711 MEUD	14	1322	1340	1327	S12	W90	1.000	12513	7.8	18	-F	C	1327	.62				Y	9
712 MEUD	14	1416	1432	1421	S12	W90	1.000	12513	7.8	16	-F	C	1421	.62				E	9
713 MONT	15	1046	1050	1047	S16	E79	.989	12523	21.4	4	-N	C	1047	.10				D	8
715 TEHR	16	0435	0444	0437	S13	E51	.814	12522	20.0	9	-F	4 V		.19				DE	6
716 TEHR	16	0717	0736	0723	N16	E65	.899	12525	21.2	19	-N	4 V		.36				DE	6
717 RAMY	16	1228	1238	1232U	N13	W22	.381	12527	14.9	10	-F	3 C		.28				DE H	6
718 MANI	17	0143	01470	0147U	S09	E36	.634	12522	19.8	40	-F	2	0147	.83	1.06			F	5
720 TEHR	18	0438E	0443	0438U	N22	E86	.994	12533	24.6	50	-N	4 V		.33					5
721 ABST	18	0638	0714	0640	S10	E20	.443	12522	19.8	36	-F	C	0640	1.80	2.00		52	E	7
722 ABST	18	0645	0750	0657	N21	W05	.253	12529	17.9	65	-F	C	0657	.90	.90		52	DGL	7
723 PALE	18	1956E	2012	1956U	N17	E35	.581	12525	21.5	160	-F	3 V		.46				F	3
724 ATHN	19	0616E	0628	0618	N13	E28	.472	12525	21.4	120	-F	3 V		.50				DE	5
725 UPIO	19	1046	10570	1052	N12	E90	1.000	12532	26.2	110	-N	P	1052	.21					4
726 ARCE	19	1203E	12140		N19	E24	.441	12525	21.3	110	-N	C	1206	.25	.30				6
727 ARCE	20	0823E	08230		N05	E47	.729	12530	23.9		-N	C	0823	.31	.50				6
731 MANI	22	0307	0313	0308	N15	E61	.868	12535	26.7	6	-F	2	0308	.31	.58			F	5
732 MANI	22	0353	0408	0357	S16	W17	.478	12523	20.9	15	-F	2	0357	.62	.70			F	5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCARTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %				
733 ABST	22	0535	0612	0541	N13	E60	.859	12535	26.7	37	1F	C	0541	1.26	2.50		62	E	6		
GRP49734 MANI ABST	22	0655	0708	0656	N17	W14	.291	12525	21.2	13	-F			.61				2	2	2	8
	22	0654E	0704D	0654U	N15	W14	.273	12525	21.2	100	-F	1	0654	.31	.32			F			
	22	0655	0708	0657	N18	W13	.288	12525	21.3	13	-F	C	0657	.90	.90		55	D			
735 ATHN	22	0920E	0931D	0921	N16	W16	.310	12525	21.2	110	-N	3	C		.66			DE		5	
736 RAMP	22	1310	1334	1320	N16	E52	.764	12535	26.5	16	-F	4	C		.28					6	
736 ARCE	23	0850E	0850D		N08	E39	.625	12532	26.3		-N	C	0850	.40	.50					7	
740 RAMP	23	1220E	1226	1221U	N05	E33	.543	12532	26.0	60	-F	3	V		.19			DE		5	
741 ATHN	23	1252	1314	1255	N05	E35	.572	12532	26.2	22	-N	4	C		.33			DE		6	
749 TEHR	24	0547E	0559	0547U	N13	E38	.614	12535	27.1	120	-N	2	C		.17			DE		6	
750 TEHR	24	0624	0629	0625	N15	E32	.535	12535	26.7	5	-N	3	C		.09			DE		6	
751 ATHN	24	0630	0638	0633	N15	E90	1.000	12537	31.0	8	-N	3	C					DE		9	
754 ABST	24	0750E	0801	0752	N22	E69	.993	12537	31.0	110	2N	P	0752	2.25			82	AEZ		6	
755 ABST	24	0754	0807	0757	N05	E03	.063	12530	24.6	13	1N	P	0757	2.70	2.70		58	E		8	
756 ATHN	24	1139E	1155	1144	N13	E34	.559	12535	27.0	160	-N	4	V		.66			UDE		5	
757 TEHR	24	1240	1249	1241	N14	E29	.490	12535	26.7	9	-N	3	V		.50			DE		4	
759 PALE	25	0034	01320	0053U	N29	E73	.950	12541	30.5	580	1N	2	V		2.06					3	
760 KOJA	25	0135E	0237	0220	N15	E22	.391	12535	26.7	620	-F	P	0201	1.04	1.05	1.40		E		5	
763 PALE	25	1717	1724	1718	N13	E10	.200	12535	26.5	7	-F	4	V		.21			F		4	
764 PALE	25	1812E	1842	1813U	S14	E80	.990	12540	31.8	300	-N	4	V		.46			DE		3	
767 MANI	26	0141E	0158	0143	N03	W21	.363	12530	24.5	170	-N	1		0143	.52	.55		FU		3	
771 CANR	26	0907	0930		N07	W29	.481	12530	24.2	23	-N	V	0910	.93						3	
785 MONT	28	0647	0652	0648	S14	E39	.694	12540	31.2	5	-F	C	0648	.41						5	
GRP49786 CRON MONT	28	0752	0847	0832	S14	E36	.683	12540	1.2	55	-F			.41				2	1	1	9
	28	0746	0809		S14	E38	.683	12540	31.2	23	-N	V		.31							
	28	0758	0847	0832	S14	E38	.683	12540	31.2	49	-F	C	0832	.41				HK			
787 KHAR	28	0856E	0907		S16	E45	.767	12540	31.7	110	1F	V	0856			1.80		BDH		9	
788 MONT	28	0956	0959	0958	S13	E65	.924	12542	2.3	3	-N	C	0958	.10				D		7	
789 ABST	28	1127	1142	1129	N13	E62	.877	12543	2.1	15	-F	C	1129	.72	1.50		54	DZ		7	
790 ABST	28	1137	1206D	1141	S15	E36	.667	12540	31.2	290	1F	P	1141	1.71	2.20		55	E		5	
795 ABST	29	0644	0657	0647	N12	W37	.600	12535	26.5	13	-F	C	0647	1.44	1.80		60	EJ		5	
GRP49796 ABST MONT	29	0749	0804	0754	S15	E52	.829	12542	3.2	15	-F			.46				2	2	2	7
	29	0747	0802	0753	S15	E52	.829	12542	2.2	15	-F	C	0753	.81	1.40		55	OJ			
	29	0750	0805	0754	S14	E51	.816	12542	2.2	15	-N	C	0754	.10				D			
797 HUAN	29	1216	1218	1217	N13	W35	.573	12535	26.9	2	-F	1	C	1217	.46	.56				5	
798 CANR	29	1511E	1512D		N15	W40	.644	12535	26.6	10	-F	V	1512	.83	1.00					3	
811 CRON	30	0659	0710		N13	W50	.761	12535	26.5	11	-F	V		.31						5	
812 BUCA	30	0726E	0745D		S14	E13	.414	12540	31.3	190	-F	C	0728	1.66	1.80					4	
813 CANR	30	0948	1000	0951	N11	W54	.803	12535	26.4	12	-N	V		.72						5	
814 CANR	30	1123	1133	1126	N11	W55	.813	12532	26.3	10	-N	V		.52						3	
815 CATA	30	1145	1150	1145	N17	E39	.635	12543	2.4	5	-N	1		1145	.58	.75	(186)			3	
818 PALE	30	1804E	1805D	1804U	S16	E03	.390	12540	31.0	10	-F	2	V		.46			DE		3	