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May 73

SOLAR FLARES

Confirmed

MAY 1973

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS		
	DATE MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCARTH FLARE REGION	CMP DAY		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %			
					LAT.	MER. DIST.														
GRP48395	01	0051	0122	0103	S14	E87	.998	12336	7.6	31	-N			1.24				2 2 1 6		
PALE	01	0051	0114	0102	S14	E89	.999	12336	7.7	23	-N	3	C					F		
MANI	01	0053E	0130D	0104	S14	E84	.993	12336	7.3	37D	1N	2		0104	1.24	3.46		F		
GRP48396	01	0141	0203	0149	S18	E45	.721	12332	4.4	22	-N			1.28				3 3 3 3		
MANI	01	0140	0209	0149	S17	E45	.718	12332	4.4	29	1N	2		0149	2.06	3.04		F		
PALE	01	0141	0203	0148	S18	E45	.721	12332	4.4	22	-N	3	C		1.08			DE		
CRON	01	0146E	0156		S18	E46	.732	12332	4.5	100	-N		V		.70					
397 TEHR	01	0243	0251D	0249	N12	W90	1.000	12322	24.4	80	-B	1	C		.33			F 4		
GRP48400	01	0424	0701	0626	S13	E78	.976	12336	7.0	157	1N			.50				2 1 1 5		
KODA	01	0424E	0701D	0626	S13	E78	.976	12336	7.0	157D	1N		C	0424		2.04		I		
CRON	01	0426E	0430	0426E	S16	E78	.976	12336	7.0	40	-N		V	0426	.50					
7 STATIONS REPORTING GROUP 48401. 3 STATIONS OBSERVING AND NOT REPORTING.																				
GRP48401	01	0924	0958	0935	S15	E77	.972	12336	7.2	34	-N			.52				5 5 5 10		
CRON	01	0914E	0938D		S16	E75	.963	12336	7.0	240	-N		V	.40						
CATA	01	0925	0955	0935	S16	E77	.972	12336	7.2	30	-N		C	0935	.29			(174)		
ARCE	01	0925E	0950D	0930	S16	E77	.972	12336	7.2	25D	-N		C	0930	.38	1.10				
CAPS	01	0931	0950		S13	E77	.972	12336	7.2	19	-N	3	V	0934	.50					
UPIQ	01	0934E	1016	0939	S16	E77	.972	12336	7.2	42D	1N		P	0939	1.05					
48401	01	0911	0936	0915	S15	E79	.979	12336	7.3	25	*-N			.60				3 3 3 9		
ARCE	01	0910E	0915D		S17	E78	.976	12336	7.2	50	-N		C	0915	.44	1.40				
TEHR	01	0911	0952	0915	S16	E79	.979	12336	7.3	41	-N	2	C		.55			DE		
CANR	01	0913	0920	0914	S13	E79	.979	12336	7.3	7	-N		V	0915	.80	1.60				
GRP48406	01	1417	1455	1422	S13	E75	.963	12336	7.2	38	-N		P	1433	1.08			6 6 6 8		
UPIQ	01	1351	1544		S14	E75	.963	12336	7.2	113	1N			1.47				KF		
RAMY	01	1407E	1441	1418U	S13	E72	.949	12336	7.0	34D	-N	2	C		.84			DE		
RAMY	01	1407E	1441	1410U	S13	E72	.949	12336	7.0	34D	-F	2	C		.74			DE		
CAPS	01	1418	1540		S10	E72	.949	12336	7.0	82	1N	3	S	1427	2.23			(175)		
ZURI	01	1419	1437	1422	S14	E76	.968	12336	7.3	18	-N		C	1422	.62	2.40				
CANR	01	1419	1510	1423	S12	E76	.968	12336	7.3	51	-B		V		.60	1.80				
TEHR	01	1420	1455D	1424	S13	E78	.976	12336	7.4	35D	-B	2	C		.73			F Z		
407 RAMY	01	1650	1702D	1654	S13	E69	.931	12336	6.9	12D	-N	2	C		.56			DE 1		
408 HUAN	01	1736	1739		S14	E74	.959	12336	7.3	3	--F	1	C	1737				3		
409 HUAN	01	1825	1853		S14	E74	.959	12336	7.3	28	--F	1	C	1834				D 3		
410 HUAN	01	1915	1919	1915	S11	E75	.964	12336	7.4	4	--F	1	C	1915	.26			D 2		
GRP48411	01	2031	2104	2041	S15	E73	.954	12336	7.3	33	-N			.67				2 2 2 2		
HUAN	01	2031	2101D	2039U	S13	E73	.954	12336	7.3	30D	-N	1	C	2039	.52			E		
PALE	01	2031	2104	2043	S16	E72	.949	12336	7.3	33	-N	2	C		.81			F		
NO FLARE PATROL																				
412 MANI	02	0032	0047	0034	S12	E70	.937	12336	7.3	15	--N	2		0034	.41	.88		2		
GRP48414	02	0356	0431	0358	S16	E61	.875	12336	6.7	35	-F			.81				3 2 1 5		
PALE	02	0356	0431	0358	S16	E54	.812	12336	6.2	35	-N	3	C		.81			F		
CRON	02	0402E	0411		S15	E67	.919	12336	7.2	9D	-F		V		.50					
MANI	02	0422	0444	0425	S13	E66	.911	12336	7.1	22	-N	2		0425	.83	1.66		F		
GRP48415	02	0512	0524	0516	S10	W48	.743	12323	28.6	12	--F			.51				2 2 2 5		
MANI	02	0512	0522	0514	S10	W47	.731	12323	28.7	10	-N	2		0514	.52	.76		F		
ATHN	02	0517E	0526	0517U	S10	W48	.743	12323	28.6	9D	-F	1	C		.50			DE		
GRP48416	02	0731	0758	0733	S14	E65	.905	12336	7.2	27	-N			.47				6 6 6 9		
ATHN	02	0730	0757	0732	S14	E66	.912	12336	7.3	27	-N	2		.50				DE		
BUCA	02	0730	0755		S13	E65	.904	12336	7.2	25	-F		C	0737	.43	1.00				
CANR	02	0730	0755	0732	S13	E66	.911	12336	7.3	25	-N		V		.40					
MANI	02	0731E	0759	0733	S14	E65	.905	12336	7.2	28D	-N	2		0733	.83	1.62				
TEHR	02	0732	0806	0736	S13	E66	.911	12336	7.3	34	-N	3	C		.23			DE		
UPIQ	02	0738E	0740D		S14	E63	.890	12336	7.0	2D	-F		P	0740	.42					

Note: Catania and Capri-S express Maximum Intensities in percent of the local undisturbed chromosphere instead of percent of the local continuum. Parentheses are used to indicate this difference.

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1973 MAY	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 _g	MAX. INT. %	
					LAT.	MER. DIST.												
GRP48418	02	0927	0957	0938	S13	E69	.931	12336	7.6	30	-N			.92				9 8 7 11
KHAR	02	0915E	0952D		S15	E67	.919	12336	7.4	37D	2F	P	0930	2.58	6.50	2.10		
ARCE	02	0925E	0955D		S13	E70	.937	12336	7.6	30D	-N	C	0943	.41	1.00			
ISTA	02	0925	0955		S13	E70	.937	12336	7.6	30	-N							E
CANR	02	0927	0952	0930	S12	E67	.918	12336	7.4	25	-N	V	0930	.80	1.70			
TEHR	02	0928	1006	0936	S13	E71	.943	12336	7.7	38	-N	2 C		.55				F
MONT	02	0929	0951	0940	S13	E69	.931	12336	7.6	22	-N	C	0940	.72				E
CATA	02	0930	1000D	0935	S14	E67	.919	12336	7.4	30D	-B	P	0935	.58			(214)	
ATHN	02	0937E	1007	0937U	S14	E68	.925	12336	7.5	30D	-N	2 C		.83				DE
HERS	02	0947E	1004	0949U	S13	E67	.918	12336	7.4	17D	1N	P	0949	.89	2.40			D
GRP48420	02	1148	1202	1151	S13	E62	.881	12336	7.1	14	-B			.56				
CATA	02	1135	1215	1150	S13	E62	.881	12336	7.1	40	-B	C	1150	.69	1.47		(347)	8 8 8 8
CANR	02	1140	1145D	1145	S10	E61	.873	12336	7.1	5D	-N	V	1145	.40	.80			Z
MONT	02	1148	1159	1150	S12	E61	.873	12336	7.1	11	-N	C	1150	.72				D
UPIC	02	1149	1204	1151	S14	E63	.890	12336	7.2	15	-B	P	1151	.85				
ATHN	02	1149E	1158	1150	S13	E61	.873	12336	7.1	9D	-B	3 V		.50				DE
RAMY	02	1149	1200	1152U	S12	E62	.881	12336	7.1	11	-B	3 C		.37				DE
CAPS	02	1151	1159		S14	E60	.865	12336	7.0	8	-B	2 V	1153	.50	1.00		(300)	C
HUAN	02	1152E	1202		S13	E63	.889	12336	7.2	10D	-N	2 P	1152	.41	.87			
GRP48421	02	1329	1345	1332	S15	E67	.919	12336	7.6	16	--N			.62				5 5 5 7
HUAN	02	1328	1334D	1330	S15	E67	.919	12336	7.6	6D	-N	1 P	1330	.41				E
CAPS	02	1328	1348		S15	E67	.919	12336	7.6	20	-N	3 V	1330	.30				C
RAMY	02	1329	1341	1331	S14	E65	.905	12336	7.4	12	-F	2 C		.37				DE
ATHN	02	1330E	1342	1331	S15	E68	.925	12336	7.7	12D	-N	3 V		.33				DE
UPIC	02	1330	1350	1335	S15	E69	.932	12336	7.7	20	1N	P	1335	1.68				
GRP48422	02	1509	1536	1516	S11	W53	.798	12323	28.7	27	--F			.85				6 6 5 6
RAMY	02	1508	1527	1515U	S12	W52	.788	12323	28.7	19	-F	4 V		.28				DE
CAPS	02	1508	1535		S10	W52	.787	12323	28.7	27	-N	2 V	1517	.60	1.00		(196)	
HUAN	02	1508	1528	1513	S11	W51	.777	12323	28.8	20	-F	1 C	1513					
CATA	02	1510	1600	1520	S09	W53	.797	12323	28.7	50	1N	C	1520	2.02	3.35		(200)	
ATHN	02	1514E	1528	1515	S11	W56	.828	12323	28.4	14D	-F	3 V		.33				DE
CANR	02	1514E	1540		S13	W55	.819	12323	28.5	26D	-F	V		1.00				
GRP48423	02	1525	1539	1530	S14	E67	.919	12336	7.7	14	--F			.27				4 4 4 6
CAPS	02	1519	1543		S15	E70	.938	12336	7.9	24	-B	2 V	1530	.25				C
RAMY	02	1526	1538	1529	S12	E61	.873	12336	7.2	12	-F	3 C		.28				DE
HUAN	02	1527	1534	1530U	S14	E67	.919	12336	7.7	7	-F	1 C	1530	.21	.47			D
ATHN	02	1528	1539	1530	S15	E68	.925	12336	7.7	11	-F	2 V		.33				DE
GRP48424	02	1616	1629	1618	S14	E66	.912	12336	7.6	13	--F			.41				3 3 3 4
RAMY	02	1615E	1632	1616U	S12	E62	.881	12336	7.3	17D	-N	2 V		.52				DE
HUAN	02	1616	1622	1618	S14	E67	.919	12336	7.7	6	-F	1 C	1618	.21	.47			D
ATHN	02	1620E	1632	1620U	S15	E68	.925	12336	7.8	12D	-F	1 V		.50				DE
GRP48425	02	1754	1804	1756	S14	E63	.890	12336	7.5	10	--N			.39				4 4 4 5
RAMY	02	1753E	1806	1755U	S12	E61	.873	12336	7.3	13D	-N	3 V		.52				DE
PALE	02	1754	1758D	1756	S15	E62	.882	12336	7.4	40	-N	2 C		.36				
HUAN	02	1754	1802	1756	S15	E64	.898	12336	7.5	8	-F	1 C	1756	.26	.57			D
MCMA	02	1755E	1801D		S14	E65	.905	12336	7.6	6D	-N	P	1757	.41	1.00			E
GRP48427	02	1859	1906	1859	S13	E61	.873	12336	7.4	7	-N			.55				3 3 2 4
RAMY	02	1840E	1912	1856U	S12	E60	.864	12336	7.3	32D	-N	3 V		.88				DE
RAMY	02	1840E	1912	1842U	S12	E60	.864	12336	7.3	32D	-F	3 V		.88				DE
BOUL	02	1859	1904	1901	S13	E60	.865	12336	7.3	5	-B	V	1901		1.26			
HUAN	02	1859	1902	1900	S15	E62	.882	12336	7.4	3	-F	1 C	1900	.21	.44			D
428 HUAN	02	2021	2029	2022	S13	E59	.856	12336	7.3	8	--F	1 C	2022	.15	.30			D 3
GRP48429	02	2039	2134	2045	S14	E59	.857	12336	7.3	55	-B			.79				4 4 3 5
BOUL	02	2037	2043D	2043	S13	E58	.847	12336	7.2	6D	-B	V	2043		3.10			
HUAN	02	2039	2129		S14	E59	.857	12336	7.3	50	-B	1 C	2051	.83	1.57			E
MCMA	02	2039E	2113D		S15	E57	.840	12336	7.1	34D	-B	C	2048	.52	1.00			E
PALE	02	2039	2140	2046	S14	E61	.874	12336	7.4	61	-B	3 V		1.03				DE
PALE	02	2039	2120D	2042	S15	E59	.857	12336	7.3	41D	-B	3 C		.99				DE
GRP48430	02	2148	2159	2153	S12	E58	.847	12336	7.3	11	-N			.60				3 3 3 3
RAMY	02	2148	2157D	2152	S11	E58	.846	12336	7.3	9D	-N	3 V		.41				DE
PALE	02	2152E	2158	2152U	S14	E56	.830	12336	7.1	6D	-B	3 C		.55				
MANI	02	2155E	2200D	2155U	S12	E59	.856	12336	7.3	5D	-N	1	2155	.83	1.48			
GRP48433	02	2313	0011	2321	S13	E59	.856	12336	7.4	58	-N			.41				2 2 1 3
BOUL	02	2313	0003	2321	S13	E58	.847	12336	7.3	5D	1N	V	2321		3.10			
MANI	02	2313	2338	2320	S15	E58	.849	12336	7.3	25	-N	2	2320	.41	.74			F
MANI	02	2320	0030	2333	S13	E61	.873	12336	7.5	7D	-N	2	2333	.21	.38			
MANI	02	2345	0018	2348	S12	E59	.856	12336	7.4	33	-N	2	2348	.31	.56			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	MIN.	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Hg	MAX. INT. %
					LAT.	MER. DIST.													
GRP48435	03	0022	0035	0026	S12	E56	.828	12336	7.2	13	-N		.62				3 3 2 4		
MANI	03	0017	0039	0026	S13	E56	.829	12336	7.2	22	-N	2	.52	.88			F		
PALE	03	0024E	0033D	0026	S14	E58	.848	12336	7.4	9D	-N	3	.72						
BOUL	03	0025	0032	0027	S10	E54	.808	12336	7.1	7	-B			1.50					
GRP48436	03	0050	0120	0050	S11	E55	.818	12336	7.2	30	--N		.52				2 1 1 4		
MANI	03	0050E	0120D	0050U	S11	E55	.818	12336	7.2	30D	-N	1	.52	.86					
BOUL	03	0112	0115D	0115	S13	E54	.810	12336	7.1	3D	-N			1.00					
GRP48437	03	0056	0113	0057	S10	W58	.846	12323	28.7	17	--F		.39				2 2 2 3		
MANI	03	0055	0120D	0056	S10	W56	.828	12323	28.8	25D	-F	1	.41	.70					
PALE	03	0056	0106	0057	S09	W59	.855	12323	28.6	10	-N	3	.36						
GRP48439	03	0145	0239	0154	S15	E53	.802	12336	7.0	54	-N		.94				4 3 3 4		
PALE	03	0143	0236	0154	S15	E53	.802	12336	7.0	53	-F	3	1.08				DE		
MANI	03	0145E	0244D	0155	S15	E53	.802	12336	7.0	59D	-B	2	1.24	1.99			F		
CRON	03	0147	0210	0152	S14	E55	.820	12336	7.2	23	-B		.50				E		
KODA	03	0211E	0311D	0303	S13	E55	.819	12336	7.2	60D	18		3.37	3.40	1.52				
CRON	03	0228	0237D		S15	E54	.811	12336	7.2	3D	-N		.45						
440 PALE	03	0200	0209	0205	S09	W59	.855	12323	28.7	9	--F	3	.19				2		
GRP48443	03	0357	0433	0400	S15	E55	.821	12336	7.3	36	-B		1.53				5 4 4 5		
CRON	03	0337E	0432	0358	S16	E55	.822	12336	7.3	55D	-B		1.10						
MANI	03	0354E	0432	0355U	S16	E54	.813	12336	7.2	38D	-N	2	.83	1.35			F		
PALE	03	0356	0431	0358	S16	E54	.813	12336	7.2	35	-N	3	.81				E		
KODA	03	0402	0437	0407	S13	E55	.819	12336	7.3	35	18		3.37	3.40	2.16		DE		
ATHN	03	0414E	0436	0414U	S13	E52	.789	12336	7.1	22D	-N	1	.66						
GRP48444	03	0537	0547	0539	S13	E53	.800	12336	7.2	10	--F		.48				3 3 3 4		
ATHN	03	0537	0547	0539	S13	E52	.789	12336	7.1	10	-F	3	.33				DE		
ABST	03	0539E	0553	0539	S14	E54	.810	12336	7.3	14D	-F		.81	1.40			DJ		
CRON	03	0539E	0542		S13	E52	.789	12336	7.1	3D	-N		.30						
GRP48445	03	0603	0614	0606	S15	E50	.771	12336	7.0	11	-N		.61				3 3 3 6		
ATHN	03	0603	0608D	0606	S14	E50	.769	12336	7.0	5D	-F	1	.50				DE		
MANI	03	0603	0615	0606	S15	E49	.760	12336	6.9	12	-N	2	1.03	1.59					
CAPS	03	0604	0613		S15	E50	.771	12336	7.0	9	-N	2	.30	.60					
GRP48449	03	0831	0917	0837	S14	E51	.780	12336	7.2	46	28		7.01				8 8 7 10		
CANR	03	0830	0900	0833	S12	E52	.788	12336	7.3	30	28		4.20	7.80					
MANI	03	0830	0859D	0836	S16	E50	.772	12336	7.1	29D	28	2	0836	5.67	8.74		ZH		
CATA	03	0830	0940	0840	S16	E49	.761	12336	7.0	70	38		11.10	16.99			(457)		
ISTA	03	0831	0915		S16	E50	.772	12336	7.1	44	38						V		
CRON	03	0832E	0906	0834	S14	E53	.800	12336	7.3	34D	28		0834	3.00					
CAPS	03	0832	0907	0840	S14	E53	.800	12336	7.3	35	28	2	0841	7.00	10.50		(800) CH		
ARCE	03	0835E	0855D		S15	E50	.771	12336	7.1	20D	3N		0837	8.61	13.70				
TEHR	03	0840E	0931	0840U	S12	E49	.756	12336	7.0	51D	28	3		9.48			S 9		
GRP48453	03	1616	1631	1623	S13	E51	.779	12336	7.5	15	--F		.55				3 3 2 5		
ZURI	03	1613	1625D	1625	S12	E50	.767	12336	7.4	12D	-N		.85	1.30					
HUAN	03	1617	1631	1623	S14	E51	.780	12336	7.5	14	-F	1	1623						
BOUL	03	1618	1631	1620	S14	E52	.790	12336	7.6	13	-F		.25	.40					
GRP48455	03	1731	1756	1735	S15	E45	.715	12336	7.1	25	--N		.31				3 3 3 4		
BOUL	03	1725	1800	1730	S15	E44	.703	12336	7.0	35	-F		.20	.30					
PALE	03	1734	1757	1737	S15	E45	.715	12336	7.1	23	-N	3	.36				DE		
RAMY	03	1734	1751	1739	S14	E45	.713	12336	7.1	17	-N	4	.37				DE		
GRP48456	03	1911	1935	1916	S13	E46	.723	12336	7.2	24	--F		.51				3 3 2 3		
RAMY	03	1911	1936	1916	S13	E44	.699	12336	7.1	25	-F	4	.46				DE		
HUAN	03	1911	1937		S12	E47	.733	12336	7.3	26	-F	1	1917				E		
PALE	03	1913E	1932		S13	E47	.735	12336	7.3	19D	-N	3	.55				DE		
GRP48457	03	1932	1956	1936	S13	E65	.905	12336	8.7	24	-N		.59				4 4 3 4		
RAMY	03	1929	2003	1936	S12	E64	.897	12336	8.6	34	-N	4	.85				DE		
PALE	03	1931	1958	1937	S14	E65	.905	12336	8.7	27	-N	3	.72				DE		
HUAN	03	1933	1949	1933U	S12	E65	.904	12336	8.7	16	-F	1	.21	.47			DE		
BOUL	03	1935	1954D	1938	S12	E64	.897	12336	8.6	13D	1N			2.60			D		
458 PALE	03	1942	1950	1943	S15	E48	.749	12336	7.4	8	--N	3	.72				DE 3		
GRP48459	03	2100	2131	2109	S15	E43	.691	12336	7.1	31	--F		.31				3 3 2 5		
RAMY	03	2059	2131	2108	S13	E43	.687	12336	7.1	32	-N	4	.46				DE		
HUAN	03	2100	2105D		S15	E43	.691	12336	7.1	5D	-F	1	.15	.21			D		
BOUL	03	2105E	2127D	2110	S16	E44	.705	12336	7.2	22D	-F			.55					

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc		MAX. INT. %
					LAT.	MER. DIST.												
GRP48460	03	2201	2217	2206	S13	E47	.735	12336	7.4	16	-B			.89				2 2 2 3
RAMY	03	2200	2223D	2206U	S13	E47	.735	12336	7.4	23D	-N	3	C	.93				DE
VORO	03	2202	2211	2205	S13	E46	.723	12336	7.4	9	-B		C	.84	1.18		72	EH
GRP48464	04	0236	0257	0249	S14	E40	.652	12336	7.1	21	--N			.75				3 3 3 3
PALE	04	0236	0257	0248	S13	E41	.663	12336	7.2	21	-N	2	C	.72				DE H
PALE	04	0236	0257	0238	S13	E41	.663	12336	7.2	21	-F	2	C	.45				DE H
CRON	04	0248E	0258		S15	E39	.642	12336	7.0	100	-F		V	.80				
MANI	04	0249E	0257D	0250	S15	E39	.642	12336	7.0	80	-N	2		.72	.94			F
GRP48465	04	0355	0414	0359	S12	E43	.686	12336	7.4	19	--F			.56				2 2 2 3
CRON	04	0355E	0403	0355	S12	E45	.710	12336	7.5	80	-F		V	.70				
MANI	04	0356E	0425D	0402U	S12	E41	.661	12336	7.2	290	-N	2		.41	.56			F
467 MANI	04	0440E	0458D	0440U	S14	E42	.677	12336	7.3	18D	-N	2		0440	1.24	1.67		F
GRP48468	04	0608	0644	0618	S14	E38	.627	12336	7.1	36	--N			.57				8 7 7 9
CATA	04	0605E	0700	0615	S15	E38	.630	12336	7.1	550	-B		P	0615	.58	.74	(240)	
MANI	04	0608E	0644D	0612U	S16	E39	.645	12336	7.2	360	-N	2		0612	.62	.81		
ABST	04	0608	0630	0611	S15	E39	.642	12336	7.2	22	-F		C	0611	.81	1.10		DJ
CRON	04	0609E	0630	0609E	S13	E39	.637	12336	7.2	210	-N		V	0609	.60			
BUCA	04	0610	0700		S14	E38	.627	12336	7.1	50	-N		C	0613	.55	.70		
TEHR	04	0618E	0644	0618U	S13	E35	.584	12336	6.9	260	-N	2	C	.31				F Z
ATHN	04	0623E	0641	0623U	S15	E40	.655	12336	7.3	180	-N	2	C	.50				DE
ZURI	04	0633E	0643D	0636	S14	E38	.627	12336	7.1	100	-N		P	0636	.63	.80		
GRP48469	04	0936	0942	0936	S14	E38	.627	12336	7.3	6	--F			.86				2 2 2 8
CATA	04	0935	0945	0935	S15	E40	.655	12336	7.4	10	-N		C	0935	.87	1.15	(155)	
ZURI	04	0936	0939	0936	S12	E36	.595	12336	7.1	3	-F		C	0936	.85	1.00		
GRP48473	04	1236	1252	1239	S13	E39	.637	12336	7.5	16	--N			.16				3 3 3 8
CATA	04	1235	1255	1235	S14	E44	.701	12336	7.8	20	-N		C	1235	.17	.24	(186)	
TEHR	04	1236	1250	1239	S13	E39	.637	12336	7.5	14	-N	3	C	.09				DE
RAMY	04	1237	1343	1330	S13	E35	.584	12336	7.2	66	-F	4	C	.21				DE
RAMY	04	1239	1250	1243	S13	E41	.663	12336	7.6	11	-F	3	C	.21				DE
TEHR	04	1243	1247	1243	S13	E35	.584	12336	7.2	4	-N	3	C	.09				DE
RAMY	04	1327	1343	1330	S13	E35	.584	12336	7.2	16	-F	4	C	.21				DE
6 STATIONS REPORTING GROUP 48474. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP48474	04	1420	1449	1438	S13	E38	.624	12336	7.4	29	-N			.90				5 5 5 6
CATA	04	1415	1455D	1440	S13	E38	.624	12336	7.4	40D	1N		P	1440	1.73	2.22	(200)	
MEUD	04	1415	1450	1435	S12	E37	.609	12336	7.4	35	-N		C	1435	.52	.60		
RAMY	04	1418	1626	1446	S12	E40	.648	12336	7.6	128	-F	4	C	.93				U F
CAPS	04	1423	1442		S14	E37	.614	12336	7.4	19	-B	3	S	1437	.80	1.00	(265)	
CANR	04	1428	1449	1432	S12	E36	.595	12336	7.3	21	-N		V	1432	.50	.70		
48474	04	1418	1448	1423	S12	E39	.635	12336	7.5	30	*-N			.51				4 4 4 6
TEHR	04	1412	1448	1420	S13	E37	.611	12336	7.4	36	-N	3	C	.45				F
MEUD	04	1415	1450	1420	S12	E37	.609	12336	7.4	35	-N		C	1435	.52	.60		E
RAMY	04	1418	1626	1423	S12	E40	.648	12336	7.6	128	-F	4	C	.46				U F
CANR	04	1427	1447	1429	S12	E40	.648	12336	7.6	20	-N		V	1429	.60	.80		
GRP48475	04	1454	1536	1507	S13	E37	.611	12336	7.4	42	1N			2.23				4 4 4 5
CANR	04	1454	1525	1505	S12	E38	.622	12336	7.5	31	1N		V	1505	2.20	2.70		
CANR	04	1454	1525	1457	S12	E38	.622	12336	7.5	31	-N		V	1457	1.00	1.20		
MEUD	04	1459E	1549D		S13	E37	.611	12336	7.4	500	1N		C	1529	3.09	3.70		CFK
BOUL	04	1507E	1610	1507E	S14	E39	.640	12336	7.6	630	1N		V	1507	2.20	2.50		
CATA	04	1510E	1515D	1510	S13	E37	.611	12336	7.4	50	-B		P	1510	1.44	1.83	(229)	
BOUL	04	1512	1535	1517	S14	E33	.560	12336	7.1	23	-F		V	1517	.70	.80		
4 STATIONS REPORTING GROUP 48475. 2 STATIONS OBSERVING AND NOT REPORTING.																		
48475	04	1537	1600	(1545)	S14	E37	.614	12336	7.4	23	*-B			3.50				2 2 1 5
HUAN	04	1530E	1551D		S13	E37	.611	12336	7.4	210	-N	1	P	1546				E
CAPS	04	1543	1600		S14	E37	.614	12336	7.4	17	1B	2	S	1544	3.50	4.50	(237)	
GRP48476	04	1842	1943	1846	S15	E32	.551	12336	7.2	61	--N			.44				4 3 2 4
RAMY	04	1839	1932	1852	S15	E32	.551	12336	7.2	53	-N	4	C	.52				DE
BOUL	04	1843	1950D	1843	S16	E32	.555	12336	7.2	67D	-N		V	1843		.40		
PALE	04	1843E	1925	1844	S16	E31	.541	12336	7.1	420	-N	3	C	.36				DE
MCMA	04	1917E	1935		S16	E30	.528	12336	7.1	180	-N		P	1917	.41	.50		E
PALE	04	1936	1946	1937	S13	E32	.543	12336	7.2	10	-N	3	C	.19				DE
GRP48477	04	2031	2057	2041	S13	E32	.543	12336	7.3	26	--N			.68				3 3 3 3
RAMY	04	2030	2054D	2040	S12	E32	.540	12336	7.3	240	-N	4	C	.52				DE
MCMA	04	2032	2037	2033	S14	E31	.533	12336	7.2	5	-F		C	2033	.26	.30		E
PALE	04	2033E	2059	2041	S13	E33	.557	12336	7.3	260	-N	3	C	.99				
PALE	04	2033E	2059	2035	S13	E33	.557	12336	7.3	260	-F	3	C	.36				
MCMA	04	2039	2055	2041	S14	E33	.560	12336	7.3	16	-B		C	2041	.52	.60		E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT.	MER. DIST.													
478 PALE	04	2245E	22530	2245U	S14	E31	.533	12336	7.3	80	--N	3	C		.63			DE	2
479 PALE	04	2301E	23150	2301U	S15	E32	.551	12336	7.4	140	--F	2	C		.36				3
GRP48480	05	0009	0031	0014	S13	E29	.501	12336	7.2	22	--N				.73			3 3 3 4	
MANI	05	0006	0028	0014	S13	E29	.501	12336	7.2	22	--N	2		0014	.72	.83		F	
PALE	05	0011	0030	0014U	S13	E30	.516	12336	7.3	19	--N	3	C		.63			F	
MITK	05	0011	0036	0015	S13	E29	.501	12336	7.2	25	--N			0015	.83	1.00		E	
GRP48481	05	0159	0229	0204	S14	E30	.520	12336	7.3	30	--N				1.03			3 3 3 5	
PALE	05	0159	02250	0205	S14	E30	.520	12336	7.3	260	--N	2	C		.72			F	
MANI	05	0159	0226	0203	S14	E30	.520	12336	7.3	27	--N	2		0203	1.03	1.22		F	
MITK	05	0159	0232	0203	S14	E31	.533	12336	7.4	33	--N			0203	1.34	1.60		E	
GRP48482	05	0255	0315	0300	S08	W88	.999	12323	28.5	20	--N				.26			3 3 3 5	
TEHR	05	0248	0316	0259	S09	W89	1.000	12323	28.4	28	--N	3	C		.19			DE	
MANI	05	0258E	0314	0302	S08	W88	.999	12323	28.5	160	--N	2		0302	.31	.96			
PALE	05	0258	0316	0300	S07	W86	.997	12323	28.7	18	--F	2	C		.27				
GRP48483	05	0419	0433	0421	S12	E47	.734	12336	8.7	14	--F				.39			2 2 2 5	
ATHN	05	0418	0436	0421	S12	E47	.734	12336	8.7	18	--N	2	C		.50			DE	
TEHR	05	0419	0429	0421	S12	E46	.722	12336	8.6	10	--F	3	C		.28			F	
GRP48484	05	0423	0440	0426	S13	E66	.912	12338	10.1	17	--N				.41			3 3 3 5	
TEHR	05	0423	0437	0426	S13	E65	.905	12338	10.1	14	--B	3	C		.28			DE	
MANI	05	0423	0441	0425	S13	E67	.919	12338	10.2	18	--N	2		0425	.62	1.26		F	
ATHN	05	0423	0442	0426	S12	E67	.919	12338	10.2	19	--N	2	C		.33			DE	
GRP48485	05	0425	0436	0429	S15	E21	.399	12336	6.8	11	--N				.59			2 2 2 5	
MANI	05	0424	04310	0429	S16	E23	.434	12336	6.9	70	--N	2		0429	.72	.79		E	
TEHR	05	0426	0436	0428	S14	E19	.364	12336	6.6	10	--N	3	C		.45			DE	
GRP48486	05	0452	0507	0454	S15	E25	.455	12336	7.1	15	--N				.50			3 3 3 5	
TEHR	05	0451	0507	0454	S15	E24	.441	12336	7.0	16	--N	3	C		.28			DE	
MANI	05	0452	0506	0454	S15	E25	.455	12336	7.1	14	--N	2		0454	.72	.80		E	
ATHN	05	0452	0507	0455	S15	E26	.469	12336	7.2	15	--N	2	C		.50			DE	
ATHN	05	0452	0507	0458	S15	E26	.469	12336	7.2	15	--N	2	C		.33			DE	
GRP48487	05	0522	0555	0531	S15	E24	.441	12336	7.0	33	--N				1.08			5 5 5 6	
TEHR	05	0521	0600	0530	S14	E19	.364	12336	6.6	39	--N	3	C		.73			F	
ATHN	05	0521	0549	0528	S15	E26	.469	12336	7.2	28	--N	2	C		1.32			DE	
MANI	05	0522	0549D	0537U	S15	E25	.455	12336	7.1	270	--N	2		0537	1.03	1.14		FH	
ABST	05	0525	0602	0531	S16	E25	.461	12336	7.1	37	--F			0531	.90	1.00		DJ	
MITK	05	0529E	0557	0531	S16	E25	.461	12336	7.1	280	--N			0531	1.44	1.70		E	
GRP48488	05	0634	0721	0659	S15	E24	.441	12336	7.1	47	--N				1.13			7 7 7 12	
TEHR	05	0401E	0724	0703	S14	E19	.364	12336	6.6	2030	--N	3	V		.58			F	
CAPS	05	0630	0747		S16	E23	.434	12336	7.0	77	--B	3	V	0657	1.20	1.30	(256)		
CATA	05	0630	0715D	0700	S15	E23	.427	12336	7.0	450	--N			0700	1.16	1.28	(191)		
ATHN	05	0632	0643	0634	S15	E26	.469	12336	7.2	11	--F	2	C		.17			DE	
MITK	05	0636	0701D	0650	S16	E28	.502	12336	7.4	250	1F			0650	2.17	2.50	(219)	E	
CATA	05	0640	0715D	0700	S15	E39	.643	12336	8.2	350	--B			0700	.87	1.13			
ABST	05	0655	0722	0659	S16	E22	.420	12336	6.9	27	--F			0659	.81	.90		DJ	
ATHN	05	0655	0708	0658	S15	E23	.427	12336	7.0	13	--F	2	C		.50			DE	
TEHR	05	0701	0724	0703	S14	E19	.364	12336	6.7	23	--N	3	C		.36			F	
MANI	05	0702E	0711D	0702U	S15	E23	.427	12336	7.0	90	--N	2		0702	.62	.68			
GRP48490	05	0928	1011	0937	S15	E21	.399	12336	7.0	43	1N				2.25			7 7 7 7	
CAPS	05	0922	1020		S15	E23	.427	12336	7.1	58	1B	2	V	0938	2.00	2.30	(335)	C	
ATHN	05	0924	1001	0933	S15	E21	.399	12336	7.0	37	1B	3	C		2.15			U F	
CATA	05	0925	1000D	0935	S15	E21	.399	12336	7.0	350	1N			0935	2.60	2.84	(182)		
ARCE	05	0927E	1000D	0929	S15	E21	.399	12336	7.0	330	1N			0929	3.19	3.50			
MANI	05	0936E	0945D	0936U	S14	E22	.407	12336	7.1	90	1N	1		0936	2.27	2.46		F	
UPIC	05	0936	0943U	0941	S16	E20	.393	12336	6.9	70	--B			0941	1.68				
MONT	05	0945E	1000D	0945	S15	E21	.399	12336	7.0	150	--N			0945	1.86			E	
GRP48491	05	1108	1126	1115	S14	E21	.392	12336	7.0	18	--N				.88			6 5 5 9	
ATHN	05	1052	1129	1110	S15	E21	.399	12336	7.0	37	--F	2	C		.99			DE	
ATHN	05	1052	1129	1057	S15	E21	.399	12336	7.0	37	--F	2	C		.17			DE	
RAMY	05	1105	1118D	1109	S15	E21	.399	12336	7.0	130	--N	3	C		.46			DE	
CAPS	05	1108	1115		S15	E23	.427	12336	7.2	7	--N	2	S	1113	.70	.80	(170)		
CATA	05	1110	1130D	1120	S16	E20	.393	12336	7.0	200	--N			1120	1.44	1.57	(162)		
TEHR	05	1119E	1129	1119U	S12	E19	.351	12336	6.9	100	--F	3	C		.83			F	
CATA	05	1120	1130D	1120	S12	E22	.395	12336	7.1	100	--N			1120	.58	.63	(162)		
MCMA	05	1123E	1137		S16	E20	.393	12336	7.0	140	--F			1124	.83	1.00		E	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-PORTANCE	OBS. COND.	TYPE	MEASUREMENTS					REMARKS
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLACE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
GRP48492	05	1138	1152	1140	S12	E24	.425	12336	7.3	14	--N			.37				3 3 3 8	
TEHR	05	1138	1151	1138	S12	E22	.395	12336	7.1	13	-N	3	C		.31			DE	
MCMA	05	1138	1150	1140	S14	E25	.449	12336	7.4	12	-N		C	1140	.52	.60		E	
RAMY	05	1140E	11550	1142U	S11	E26	.450	12336	7.4	150	-N	2	V		.28			DE	
GRP48493	05	1159	1211	1202	S14	E22	.407	12336	7.1	12	--F			.36				4 4 4 9	
TEHR	05	1158	1208	1202	S13	E22	.401	12336	7.1	10	-N	3	C		.28			DE	
MCMA	05	1159	1210	1200	S16	E20	.393	12336	7.0	11	-N		C	1200	.36	.40		E	
ATHN	05	1159	1213	1202	S15	E23	.427	12336	7.2	14	-F	2	C		.50			DE	
RAMY	05	1200	1212	1205U	S13	E24	.430	12336	7.3	12	-F	2	V		.28			DE	
ATHN	05	1204E	12170	1206	S15	E22	.413	12336	7.2	130	-F	3	V		.33			DE	
GRP48494	05	1625	1635	1628	S14	E21	.392	12336	7.3	10	--N			.48				5 5 4 6	
RAMY	05	1623	1635	1628	S13	E22	.401	12336	7.3	12	-F	4	C		.46			DE	
MCMA	05	1625	1631	1627	S15	E22	.413	12336	7.3	6	-N		C	1627	.36	.40		E	
ATHN	05	1625	1635	1628	S14	E22	.407	12336	7.3	10	-N	1	C		.50			DE	
CATA	05	1625	16300	1630	S14	E21	.392	12336	7.3	50	-B		P	1630	.58	.63	(229)		
BOUL	05	1625	1640	1628	S14	E19	.364	12336	7.1	15	-F		V						
GRP48495	05	1655	1719	1659	S16	E18	.367	12336	7.1	24	--F			.44				2 2 2 5	
RAMY	05	1654	17350	1700	S15	E20	.385	12336	7.2	410	-F	4	C		.46			Z F	
MCMA	05	1655	1702	1658	S16	E16	.341	12336	6.9	7	-F		C	1658	.41	.40		E	
GRP48496	05	1702	1833	1722	S15	E19	.372	12336	7.1	91	18			4.34				6 5 4 6	
RAMY	05	1654	17350	1710	S15	E20	.385	12336	7.2	410	-N	4	C		1.70			Z F	
BOUL	05	1658	1844	1722	S14	E19	.364	12336	7.1	106	28		V	1722	11.90				
MCMA	05	1703	2030	1719	S16	E18	.367	12336	7.1	207	28		C	1719	6.19	6.60		FILWV	
HUAN	05	1705	17280		S15	E20	.385	12336	7.2	230	18	1	P	1723	3.45	3.76		E	
CANR	05	1712	1800	1718	S14	E20	.378	12336	7.2	48	18		V	1718	2.40	2.60			
CANR	05	1715	1800	1720	S15	E21	.399	12336	7.3	45	2N		V	1720	6.00	6.60			
PALE	05	1731E	18220	1741U	S16	E20	.393	12336	7.2	510	2N	2	C		11.24			Z U	
PALE	05	1731E	18220	1731U	S16	E20	.393	12336	7.2	510	2N	2	C		7.32			Z U	
GRP48497	05	1923	2103	1932	S17	E16	.351	12336	7.0	100	-N			1.44				2 1 1 3	
PALE	05	1923E	21030	1932U	S17	E16	.351	12336	7.0	1000	-N	2	C		1.44			DE	
BOUL	05	1932	2013	1948	S15	E11	.269	12336	6.6	41	-N		V	1948		1.60			
GRP48498	05	2120	2127	2121	S15	E26	.469	12336	7.8	7	--N			.22				3 3 2 3	
PALE	05	2120E	21230	2120U	S15	E26	.469	12336	7.8	30	-N	3	C		.27				
BOUL	05	2120E	2128	2121	S15	E26	.469	12336	7.8	80	-N		V	2121	.90				
HUAN	05	2120	2125	2121	S16	E26	.474	12336	7.8	5	-F	1	C	2121	.16	.18		D	
499 HUAN	05	2207	2212	2208	S17	E11	.293	12336	6.7	5	--F	1	C	2208	.15	.16		D 2	
GRP48500	05	2313	2321	2316	S16	E11	.281	12336	6.8	8	--N			.54				2 2 2 5	
PALE	05	2312E	2321	2316	S17	E10	.283	12336	6.7	90	-N	3	C		.45				
MANI	05	2314	2320	2315	S15	E12	.281	12336	6.9	6	-N	2		2315	.62	.64			
GRP48501	06	0035	0046	0037	S12	E22	.396	12336	7.7	11	-N			1.04				4 4 4 5	
MITK	06	0033	0047	0037	S12	E22	.396	12336	7.7	14	-N		C	0037	1.03	1.10		E	
VORO	06	0034	0046	0038	S10	E22	.386	12336	7.7	12	-N		C	0038	1.57	1.67		EH	
MANI	06	0035	0045	0037	S12	E22	.396	12336	7.7	10	-N	2		0037	.83	.90	59	F	
PALE	06	0036	0045	0037	S12	E21	.381	12336	7.6	9	-N	3	C		.72			F	
GRP48502	06	0047	0106	0049	S14	E16	.323	12336	7.2	19	--F			.49				2 2 2 5	
MANI	06	0045	0107	0047	S13	E15	.301	12336	7.2	22	-N	2		0047	.62	.65		F	
PALE	06	0049E	0105	0050	S14	E17	.337	12336	7.3	160	-F	2	C		.36			F	
GRP48503	06	0219	0228	0220	S13	E12	.260	12336	7.0	9	--N			.46				2 2 2 5	
PALE	06	0218	0228	0220	S13	E12	.260	12336	7.0	10	-N	3	C		.55			DE	
TEHR	06	0220	0228	0220	S13	E11	.247	12336	6.9	8	-N	2	C		.36			DE	
GRP48504	06	0318	0357	0324	S14	E11	.259	12336	7.0	39	--F			.38				2 2 2 5	
TEHR	06	0317	0425	0327	S13	E10	.235	12336	6.9	68	-N	3	C		.45			DE	
PALE	06	0319	0328	0321	S15	E11	.270	12336	7.0	9	-F	3	V		.31			F	
GRP48505	06	0429	0500	0435	S12	E12	.250	12336	7.1	31	-N			1.01				4 4 4 5	
TEHR	06	0425	0458	0436	S12	E09	.211	12336	6.9	33	-N	4	C		.45			DE	
MITK	06	0431	04460	0437	S13	E15	.301	12336	7.3	150	-B		C	0437	1.55	1.60		E	
MANI	06	0431	0445	0434	S13	E14	.287	12336	7.2	14	-N	2		0434	1.03	1.08		F	
ATHN	06	0433E	0445	0433U	S13	E15	.301	12336	7.3	120	-F	1	V		.99			DE	
MANI	06	0445	0500	0447	S09	E07	.152	12336	6.7	15	-N	2		0447	.62	.62			
48505	06	0443	0458	0445	S13	E12	.260	12336	7.1	15	*-N			.67				2 2 2 5	
ATHN	06	0442	0457	0444	S12	E12	.250	12336	7.1	15	-N	2	V		.50			DE	
MANI	06	0443	0459	0446	S13	E12	.260	12336	7.1	16	-N	2		0446	.83	.86		F	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
					LAT.	MER. DIST.													
	1973 MAY																		
GRP48506	06	0751	0806	0755	S12	E13	.264	12336	7.3	15	--F			.59				3 3 3 10	
BUCA	06	0750	0805		S12	E14	.278	12336	7.4	15	-F	C	0753	1.10	1.10			E	
MANI	06	0752	0804	0754	S13	E14	.287	12336	7.4	120	-F	2	0754	.41	.43			F	
TEHR	06	0753E	0806	0755U	S12	E10	.224	12336	7.1	130	-N	4	V	.25				DE	
GRP48507	06	0905	0928	0912	S14	E10	.247	12336	7.1	23	-N			1.41				7 6 6 7	
MANI	06	0904	0925	0915	S13	E12	.260	12336	7.3	210	-N	1	0915	1.65	1.71			F	
MANI	06	0904	0925	0908	S13	E12	.260	12336	7.3	210	-N	1	0908	1.13	1.18			F	
CATA	06	0905	0935	0915	S14	E10	.247	12336	7.1	30	1B	C	0915	2.02	2.09		(229)		
CAPS	06	0905	0925		S17	E10	.285	12336	7.1	20	-B	3	V	0907	1.90	2.00		(225)	
CANR	06	0905E	0925		S13	E09	.223	12336	7.1	200	-N	V		.90					
ATHN	06	0907E	0929	0907U	S15	E08	.239	12336	7.0	220	-N	3	V	1.32				F	
TEHR	06	0908E	0928	0910	S12	E10	.224	12336	7.1	200	-N	4	V	.66				F	
KHAR	06	0920E	0929		S14	E20	.379	12336	7.9	90	1F	P	0923	4.54	4.70			E	
GRP48509	06	1022	1034	1024	S13	E09	.223	12336	7.1	12	--N			.49				5 5 5 6	
ATHN	06	1019E	1037	1019U	S13	E08	.212	12336	7.0	180	-F	3	V	.50				DE	
CATA	06	1020	1035	1020	S13	E07	.201	12336	7.0	15	-B	C	1020	.87	.88		(204)		
TEHR	06	1023E	1031	1023U	S11	E08	.187	12336	7.0	80	-N	3	V	.17				DE	
CANR	06	1023	1030	1024	S13	E09	.223	12336	7.1	7	-N	V	1023	.60	.60				
CAPS	06	1025	1037		S15	E15	.319	12336	7.6	12	-N	2	S	1028	.30	.30		(170)	
GRP48510	06	1036	1055	1039	S15	E17	.346	12336	7.7	19	--N			.19				2 2 2 6	
CATA	06	1035	1105	1040	S15	E17	.346	12336	7.7	30	-N	C	1040	.29	.30		(158)		
TEHR	06	1036	1045	1038	S14	E17	.337	12336	7.7	9	-N	3	V	.09				DE	
GRP48512	06	1153	1206	1156	S14	E07	.215	12336	7.0	13	--N			.42				2 2 2 5	
ATHN	06	1153E	1206	1157	S15	E07	.229	12336	7.0	130	-N	3	V	.50				DE	
TEHR	06	1154E	1205	1154U	S13	E07	.201	12336	7.0	110	-N	3	V	.33				DE	
GRP48513	06	1212	1238	1216	S13	E10	.235	12336	7.3	26	-B			1.91				5 4 4 7	
CATA	06	1210	1245	1215	S13	E10	.235	12336	7.3	35	-B	C	1215	1.73	1.78		(302)		
TEHR	06	1211E	1237	1212	S12	E10	.224	12336	7.3	260	-B	3	V	.99				F	
ATHN	06	1213E	1240	1217	S13	E09	.223	12336	7.2	270	-B	3	V	1.32				F	
KIEV	06	1214	1231	1218	S13	E11	.247	12336	7.3	17	1N	P	1218	3.61	3.70		60	EI	
RAMY	06	1231E	1235	1232U	S13	E10	.235	12336	7.3	40	-N	2	V	.65				DE	
GRP48514	06	1457	1505	1458	S15	E13	.294	12336	7.6	8	--N			.34				4 4 4 7	
RAMY	06	1457E	1505	1457U	S15	E07	.229	12336	7.1	80	-B	2	V	.28				DE	
TEHR	06	1457	1500	1458	S15	E15	.319	12336	7.7	30	-N	2	V	.33				DE	
HUAN	06	1458	1503	1458	S16	E16	.342	12336	7.8	5	-F	1	C	1458	.41	.44		E	
ATHN	06	1459E	1506	1459U	S15	E15	.319	12336	7.7	70	-N	2	V	.33				DE	
GRP48515	06	1643	1647	1644	S16	E15	.329	12336	7.8	4	--F			.28				2 2 1 2	
RAMY	06	1643E	1648	1643U	S15	E15	.319	12336	7.8	50	-F	2	V	.28				DE	
HUAN	06	1643	1646	1644	S16	E15	.329	12336	7.8	3	-F	1	C	1644					
GRP48516	06	1736	1745	1740	S15	E04	.208	12336	7.0	9	--F			.72				4 4 4 5	
MOMA	06	1736	1744		S16	E04	.224	12336	7.0	80	-F	P	1738	.52	.50			E	
HUAN	06	1736	1746	1738	S15	E04	.208	12336	7.0	10	-F	1	C	1738	.46	.48		E	
PALE	06	1737E	1743	1739U	S16	E02	.216	12336	6.9	60	-F	3	V	.46				F	
PALE	06	1737E	1743	1739U	S15	E08	.239	12336	7.3	60	-F	3	V	.46				F	
RAMY	06	1740E	1746	1743U	S15	E04	.208	12336	7.0	60	-F	2	V	.99				DE	
518 RAMY	06	1821E	1829	1822	S15	E04	.208	12336	7.1	80	--F	3	V	.46				DE	
	06	1903	1927	NO FLARE PATROL															
	06	1928	2010	NO FLARE PATROL															
GRP48519	06	1952	2010	1956	S15	E04	.208	12336	7.1	18	--N			.83				2 1 1 2	
RAMY	06	1952	2010	1956	S15	E04	.208	12336	7.1	180	-N	2	V	.83				DE	
HUAN	06	2010E	2019		S16	E03	.219	12336	7.1	90	-F	1	P	2013	.52	.53		E	
	06	2019	2040	NO FLARE PATROL															
GRP48520	06	2104	2113	2108	S17	W03	.236	12336	6.7	9	--F			.31				2 2 1 2	
HUAN	06	2104	2113	2107	S17	W03	.236	12336	6.7	9	-F	1	C	2107				E	
PALE	06	2106E	2110	2108U	S17	W03	.236	12336	6.7	40	-F	3	V	.31				F H	
PALE	06	2108E	2112	2108U	S18	W04	.256	12336	6.6	40	-F	2	C	.27				F H	
	06	2122	2134	NO FLARE PATROL															
521 PALE	07	0016E	0025	0022U	S16	W01	.216	12336	6.9	90	--N	2	C	.55				F	
GRP48523	07	0103	0120	0109	S16	W06	.238	12336	6.6	17	--N			.64				3 3 3 4	
MANI	07	0055E	0119	0108U	S16	W06	.238	12336	6.6	240	-N	2		.83	.84			F	
MITK	07	0105	0121	0106	S17	W06	.253	12336	6.6	16	-N		0106	.83	.90			E	
PALE	07	0110	0119	0112	S16	W07	.245	12336	6.5	9	-N	2	V	.26					

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE MAY	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.												
GRP48525	07	0231	0306	0233	S16	W03	.221	12336	6.9	35	--F			1.24				2 1 1 5
MITK	07	0231	0306	0233	S16	W03	.221	12336	6.9	35	-F			1.24	1.30			
PALE	07	0252E	0308	0252U	S17	W04	.242	12336	6.8	160	-F	2	C	.36				F
GRP48527	07	0404	0419	0408	S14	W08	.226	12336	6.6	15	--N			.71				4 4 4 6
MITK	07	0403	0416D	0409	S17	W08	.268	12336	6.6	130	-N		C	.93	1.00			E
MANI	07	0403E	0420	0410	S16	W09	.263	12336	6.5	170	-N	2		.83				F
TEHR	07	0405	0417	0407	S08	W05	.116	12336	6.8	12	-F	3	C	.45				
PALE	07	0406E	0411D	0407U	S16	W08	.254	12336	6.6	50	-N	1	C	.63				DE
GRP48528	07	0442	0521	0503	S16	W03	.221	12336	7.0	39	-N			1.11				4 4 4 5
TEHR	07	0437	0532	0504	S13	W04	.178	12336	6.9	55	-N	3	C	1.27				F
MANI	07	0446	0456	0447	S15	E07	.231	12336	7.7	10	-N	2		.62	.64			F
MANI	07	0501	0532D	0504	S15	W03	.205	12336	7.0	310	-N	2		.72	.74			F
CRON	07	0502E	0508	0502E	S17	W04	.242	12336	6.9	60	-N		V	.90				
MITK	07	0506E	0517D		S16	W03	.221	12336	7.0	110	-N		C	1.55	1.60			E
TEHR	07	0517	0527	0519	S16	W09	.263	12336	6.5	10	-N	3	C	.28				DE
7 STATIONS REPORTING GROUP 48530. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP48530	07	0730	0753	0743	S14	W01	.182	12336	7.2	23	--F			1.64				5 4 3 8
CRON	07	0518E	0746	0743	S14	W01	.182	12336	7.1	148D	-F		V	.45				
MANI	07	0534E	0539	0535U	S14	E00	.181	12336	7.2	50	-F	1		.31	.32			
ISTA	07	0730	0751		S14	E00	.181	12336	7.3	21	-F							
WEND	07	0739E	0756		S14	W01	.182	12336	7.2	170	1N		V	4.13				
ATHN	07	0740E	0759	0742	S14	W02	.184	12336	7.2	190	-N	3	V	.33				DE
48530	07	0725	0753	0729	S12	E00	.147	12336	7.3	28	*-N			.62				4 4 4 8
ATHN	07	0725	0736	0729	S15	W01	.199	12336	7.2	11	-B	2	V	.33				DE
ABST	07	0725	0757	0727	S14	E01	.182	12336	7.4	32	-F		C	.72	.70			D
CANR	07	0727E	0727D		S07	W01	.062	12336	7.2		-F		V	.30	.30			
MANI	07	0731E	0805D	0731U	S13	E00	.164	12336	7.3	340	-N	2		1.13	1.16			F
GRP48531	07	0837	0910	0847	S15	W04	.209	12336	7.1	33	-N			1.49				6 6 5 6
MANI	07	0836	0854D	0850	S15	W05	.216	12336	7.0	180	-N	2		.93	.94			F
ISTA	07	0837	0914		S15	W03	.205	12336	7.1	37	-N							
ATHN	07	0838E	0911	0842	S14	W04	.193	12336	7.1	330	-N	3	V	1.32				DE
TEHR	07	0838	0913	0848	S15	W04	.209	12336	7.1	35	1N	3	V	2.64				F
MEUD	07	0838E	0851D		S14	W04	.193	12336	7.1	130	-N		C	1.55	1.50			C
CANR	07	0840E	0900		S17	W06	.253	12336	6.9	200	-N		V	1.00	1.00			
GRP48532	07	1030	1048	1036	S15	W12	.283	12336	6.5	18	--F			.38				2 2 2 4
MONT	07	1029	1033	1031	S15	W12	.283	12336	6.5	4	-F		C	.10				
ATHN	07	1031	1103	1040	S14	W12	.272	12336	6.5	32	-F	3	V	.66				F
GRP48533	07	1040	1106	1053	S16	W11	.284	12336	6.6	26	--N			.71				4 4 4 6
MONT	07	1037	1104	1048	S17	W10	.286	12336	6.7	27	-N		C	1.13				
TEHR	07	1039	1102D	1052	S15	W11	.271	12336	6.6	230	-N	3	V	.66				F
CANR	07	1044	1107		S16	W12	.295	12336	6.5	23	-N		V	.60	.60			
RAMY	07	1100E	1107	1100U	S17	W09	.277	12336	6.8	70	-N	1	V	.46				DE
GRP48537	07	1921	1938	1924	N13	W08	.315	12335	7.2	17	--F			.38				2 2 2 2
PALE	07	1921	1938	1924	N14	W08	.330	12335	7.2	17	-F	3	C	.45				F S
RAMY	07	1923E	1935D	1923U	N12	W07	.293	12335	7.3	120	-F	3	V	.31				DE
2 STATIONS REPORTING GROUP 48538. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP48538	07	1953	2035	2009	S18	W04	.258	12336	7.5	42	-N			1.34				2 2 2 2
RAMY	07	1953E	2035	2008U	S17	W03	.238	12336	7.6	420	-N	3	V	1.44				F S
PALE	07	2001E	2034	2010	S18	W04	.258	12336	7.5	330	-N	3	V	1.24				DE
PALE	07	2001E	2034	2003	S18	W04	.258	12336	7.5	330	-N	3	V	.52				DE
48538	07	1948	2037	2003	S16	W08	.254	12336	7.2	49	*-F			1.07				2 2 2 2
PALE	07	1948	2038	2012	S17	W13	.318	12336	6.8	50	-N	3	C	1.44				DE S
RAMY	07	1953E	2035	1954U	S17	W03	.238	12336	7.6	420	-F	3	V	.70				F S
PALE	07	2035	2059	2040	S14	W11	.260	12336	7.0	24	-F	2	C	.36				F
539 PALE	07	2053E	2128	2057U	S18	W14	.340	12336	6.8	350	--F	3	V	.83				2
540 PALE	07	2108E	2120	2109	S13	W10	.236	12336	7.1	120	--F	3	V	.93				F 2
2 STATIONS REPORTING GROUP 48541. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP48541	07	2223	2327	2235	S16	W12	.295	12336	7.0	64	--F			.83				2 2 2 2
MANI	07	2223E	2320	2238	S19	W07	.290	12336	7.4	570	-N	2		.62	.65			E
PALE	07	2228E	2334	2231	S15	W16	.333	12336	6.7	660	-F	3	V	1.03				
MANI	07	2330	2355	2334	S15	W10	.260	12336	7.2	25	-N	2		.72	.75			E
48541	07	2228	2330	2251	S16	W15	.330	12336	6.8	62	*-N			1.24				2 1 1 2
MANI	07	2228	2330	2251	S16	W15	.330	12336	6.8	62	-N	2		1.24	1.31			E
PALE	07	2315E	2329	2318	S21	W09	.334	12336	7.3	140	-F	3	V	.41				DE
542 PALE	08	0022	0031	0024U	S17	W22	.430	12336	6.4	9	--F	2	C	.27				H 2
544 PALE	08	0327	0358	0344	S14	W15	.312	12336	7.0	31	--N	1	C	.63				F 4

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
					LAT.	MER. DIST.														
546 ATHN	08	0516	0533	0519	S18	W19	.401	12336	6.8	17	--N	1	C		.33				DE	3
GRP48548	08	0608	0615	(0609)	S13	W21	.388	12336	6.7	7	--F				.73				2	2
ATHN	08	0605E	0615	0607	S11	W22	.392	12336	6.6	100	-N	3	V		.66			F	2	2
CAPS	08	0610	0614		S15	W19	.374	12336	6.8	4	-F	3	V	0611	.80	.90	(150)	C	4	
GRP48549	08	1120	1140	1123	S13	E22	.403	12338	10.1	20	--F				.26				2	2
RAMY	08	1120	1140	1122	S12	E22	.397	12338	10.1	20	-F	5	V		.19			DE	2	4
ATHN	08	1122E	1140	1123	S14	E22	.409	12338	10.1	180	-F	3	V		.33			DE		
GRP48551	08	1202	1214	1203	S13	W16	.317	12336	7.3	12	--F				.57				4	4
RAMY	08	1200	1214	1202	S13	W15	.303	12336	7.4	14	-F	5	V		.37			DE	4	4
ATHN	08	1201E	1213	1202	S12	W17	.323	12336	7.2	120	-F	2	V		.83			DE		
CAPS	08	1202	1215		S15	W15	.321	12336	7.4	13	-N	3	V	1205	.50	.50	(182)	C		
CATA	08	1205	1215D	1205	S12	W16	.309	12336	7.3	100	-N		P	1205	.58	.61	(178)			
GRP48553	08	2123	2145	2127	S12	W23	.412	12336	7.2	22	--F				.36				2	2
PALE	08	2122E	2145	2127U	S12	W23	.412	12336	7.2	230	-F	2	C		.45			F	2	3
HUAN	08	2124	2127D		S12	W23	.412	12336	7.2	30	-F	1	P	2127	.26	.28				
554 PALE	08	2311E	2328	2312U	S13	W26	.460	12336	7.0	170	--F	2	C		.55			F		4
GRP48555	09	0435	0452	0439	S13	W26	.461	12336	7.2	17	-N				1.51				6	6
TACH	09	0432	0452D	0439	S15	W26	.472	12336	7.2	200	1F		C	0439	3.19	3.60	2.58	56	6	7
ATHN	09	0435	0451	0438	S13	W26	.461	12336	7.2	16	-N	2	C		1.32			ER	6	
MANI	09	0435E	0459D	0438U	S12	W25	.442	12336	7.3	240	-N	1		0438	.83	.92		DE		
TEHR	09	0436	0453	0440	S14	W27	.480	12336	7.2	17	-N	3	C		1.09			F		
PALE	09	0437E	0449D	0438U	S13	W26	.461	12336	7.2	120	-N	1	V		1.24			F		
CRON	09	0441E	0445		S13	W25	.447	12336	7.3	40	-F		V		1.40					
GRP48556	09	0612	0625	0613	S08	W20	.349	12336	7.8	13	--F				.82				3	2
MANI	09	0609E	0617D	0609U	S19	W13	.345	12336	8.3	80	-N	1		0609	.83	.86		F	2	7
ATHN	09	0612	0629	0614	S08	W19	.333	12336	7.8	17	-N	2	C		.99			DE		
TEHR	09	0612	0620	0612	S08	W20	.349	12336	7.8	8	-F	3	C		.64			F		
GRP48557	09	0620	0750	0625	S15	W43	.694	12332	6.0	90	-F				1.01				3	3
ATHN	09	0620	0658D	0623	S13	W44	.701	12332	6.0	380	-F	1	C		.66			U	3	8
TEHR	09	0625E	0750	0644	S18	W41	.678	12332	6.2	85D	1F	3	V		2.06			F		
MANI	09	0626E	0635D	0626U	S14	W43	.691	12332	6.0	90	-N	1		0626	.31	.43				
48557	09	0623	0750	0650	S15	W43	.694	12332	6.0	87	*1F				2.54				3	7
TEHR	09	0621E	0810	0650	S15	W44	.705	12332	6.0	109D	1F	3	V		2.19			F	3	
BUCA	09	0625	0800		S14	W43	.691	12332	6.0	95	1N		P	0651	3.32	4.60		S		
CRON	09	0634E	0720		S15	W43	.694	12332	6.0	46D	1F		V		2.10					
48557	09	0636	0732	0703	S13	W46	.725	12332	5.8	56	*1N				1.98				3	2
ISTA	09	0630	0730		S12	W49	.758	12332	5.6	60	-N							B	3	10
ABST	09	0641	0734	0702	S14	W46	.727	12332	5.8	53	1F		C	0702	1.89	2.70		E		
ABST	09	0641	0734	0702	S11	W45	.710	12332	5.9	53	1F		C	0702	1.80	2.50				
MANI	09	0703E	0716D	0703U	S14	W44	.703	12332	6.0	13D	1N	1		0703	2.06	2.90				
GRP48559	09	1315	1327	1317	S13	W30	.518	12336	7.3	12	--F				.46				2	1
RAMY	09	1315	1332	1317	S13	W30	.518	12336	7.3	17	-F	4	C		.46			DE	2	6
HUAN	09	1315	1322		S13	W30	.518	12336	7.3	7	-F	1	C	1316						
GRP48560	09	1632	1647	1635	S13	W35	.587	12336	7.1	15	--F				.46				3	1
RAMY	09	1630	1654	1633	S13	W32	.546	12336	7.3	24	-F	4	C		.46			DE	3	6
HUAN	09	1633	1646	1636	S13	W33	.559	12336	7.2	13	-F	1	C					D		
BOUL	09	1635E	1640	1635E	S14	W41	.667	12336	6.6	50	-F		V	1635		.59				
	09	1933	1938		NO FLARE PATROL															
GRP48566	10	1539	1608	1548	S12	W45	.712	12336	7.3	29	--F				.65				2	1
RAMY	10	1534	1618	1548	S12	W45	.712	12336	7.3	44	-F	4	C		.65			DE	2	6
HUAN	10	1544	1558	1547	S12	W44	.700	12336	7.4	14	-F	1	C	1547				E		
GRP48567	10	1638	1715	1644	S08	W43	.682	12336	7.5	37	-N				.67				3	3
RAMY	10	1634	1727	1645	S09	W41	.658	12336	7.6	53	-N	4	C		.74			DE	3	5
RAMY	10	1634	1727	1651	S09	W41	.658	12336	7.6	53	-F	4	C		1.21			DE		
PALE	10	1638E	1702	1640U	S07	W44	.694	12336	7.4	240	-N	2	C		.81			F		
HUAN	10	1643	1717	1646	S08	W44	.695	12336	7.4	34	-N	1	C	1646	.46	.63		E		
	10	1851	1905		NO FLARE PATROL															
	10	1949	1952		NO FLARE PATROL															

[illegible]

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %			
					LAT. MER. DIST.														
	17	2106	2129	NO FLARE PATROL															
598 PALE	17	2258	2308	2302	N07	E46	.730	12352	21.4	10	--F	2 C		.72				DE	4
599 PALE	17	2302	2311	2302	N01	E45	.709	12352	21.3	9	--F	2 C		.45					4
GRP48600	18	0025	0048	0029	N09	E45	.722	12352	21.4	23	--F			.60				2 2 2 3	
PALE	18	0025	0048	0028	N08	E45	.720	12352	21.4	23	-N	2 C		.36					
MANI	18	0026E	0034D	0029	N09	E45	.722	12352	21.4	80	-F	1	0029	.83	1.22				
GRP48601	18	0353	0406	0355	N09	E43	.699	12352	21.4	13	-N			1.18				2 2 2 4	
MANI	18	0348	0400	0350	N09	E44	.711	12352	21.5	12	-F	1	0350	.62	.91				
TACH	18	0352	0405	0355	N09	E40	.662	12352	21.2	13	-N	C	0355	.91	1.21	2.40	54	E	
MANI	18	0353	0406	0355	N07	E49	.764	12352	21.8	13	-N	1	0355	.83	1.27			F	
GRP48603	18	0629	0641	0630	N11	E42	.693	12352	21.4	12	--F			.43				2 2 2 5	
MANI	18	0628	0640	0630	N10	E43	.702	12352	21.5	12	-F	2	0630	.31	.44			F	
BUCA	18	0630	0641		N11	E41	.681	12352	21.3	11	-F	C	0632	.55	.70			E	
GRP48604	18	0800	0813	0802	N13	E40	.676	12352	21.3	13	-N			.99				5 5 5 10	
MONT	18	0759	0813	0800	N13	E40	.676	12352	21.3	14	-N	C	0800	.72				E	
ARCE	18	0800E	0815D		N13	E40	.676	12352	21.3	15D	-N	C	0800	.96	1.30				
CAPS	18	0800	0813		N13	E39	.664	12352	21.3	13	-B	3 V	0802	.90	1.20		(228)	C	
MANI	18	0800	0818	0804	N13	E40	.676	12352	21.3	18	-N	2	0804	1.13	1.55			F	
UPIO	18	0801	0808	0803	N14	E42	.704	12352	21.5	7	-N	P	0803	1.26					
GRP48605	18	1059	1118	1102	N11	E41	.681	12352	21.5	19	--N			.37				5 5 5 7	
MEUD	18	1057	1112		N11	E41	.681	12352	21.5	15	-F	C	1101	.41	.50				
RAMY	18	1058E	1101D	1059U	N12	E40	.672	12352	21.5	3D	-F	3 V		.52				DE	
CAPS	18	1100	1122		N10	E41	.678	12352	21.5	22	-B	3 V	1104	.40	.50		(220)	C	
MONT	18	1101	1122	1104	N12	E40	.672	12352	21.5	21	-N	C	1104	.10				D	
UPIO	18	1102E	1116U		N11	E42	.693	12352	21.6	14D	-F	P	1108	.42					
GRP48609	18	1311	1328	1314	N06	E38	.627	12352	21.4	17	--N			.55				8 8 7 11	
UPIO	18	1259E	1340	1314	N10	E38	.640	12352	21.4	41D	-N	P	1314	1.47				KF	
BOUL	18	1259	1310D	1302	N12	E38	.648	12352	21.4	11D	-F	V	1302		.50				
MCMA	18	1308E	1331D		N05	E36	.598	12352	21.2	23D	-N	C	1315	.41	.50			E	
TEHR	18	1310E	1325	1312	N06	E37	.614	12352	21.3	15D	-N	3 V		.33				DE	
CAPS	18	1310	1328		N08	E41	.671	12352	21.6	18	-B	3 V	1313	.80	1.00		(205)	C	
HUAN	18	1310	1325	1314	N03	E37	.607	12352	21.3	15	-F	1 C	1314	.26	.32				
RAMY	18	1312	1325D	1314	N05	E38	.625	12352	21.4	13D	-N	3 V		.31				DE	
BOUL	18	1313E	1322	1314	N06	E38	.627	12352	21.4	9D	-F	V	1322		.50				
CATA	18	1315	1320D	1315	N05	E37	.611	12352	21.3	5D	-N	P	1315	.29	.36		(166)		
CATA	18	1315	1320D	1315	N02	E37	.605	12352	21.3	5D	-F	P	1315	.29	.36		(148)		
GRP48610	18	1527	1559	1534	N07	E43	.694	12352	21.9	32	1B			1.64				6 6 5 6	
CAPS	18	1525	1601	1534	N09	E46	.734	12352	22.1	36	1B	3 V	1530	1.80	2.50		(395)		
MCMA	18	1525	1555	1532	N06	E41	.666	12352	21.7	30	1B	C	1532	1.55	2.10			F	
HUAN	18	1526	1557		N07	E43	.694	12352	21.9	31	-B	2 P	1532	1.08	1.47			E	
BOUL	18	1527	1555	1529	N08	E42	.684	12352	21.8	28	1N	V	1529		4.80				
UPIO	18	1529E	1604U		N07	E42	.681	12352	21.8	35D	-B	P	1529	1.47					
CATA	18	1530	1600D	1540	N07	E42	.681	12352	21.8	30D	1B	P	1540	2.31	3.16		(269)		
611 HUAN	18	1930	1935	1932	N11	E37	.631	12352	21.6	5	--F	2 C	1932	.21	.26			D	3
GRP48612	18	2049	2051	2050	N11	E29	.527	12352	21.0	2	--F			.26				2 2 2 3	
PALE	18	2048	2051	2049	N11	E29	.527	12352	21.0	3	-F	2 C		.36					
HUAN	18	2049	2051	2050	N11	E29	.527	12352	21.0	2	-F	1 C	2050	.15	.18			D	
GRP48613	18	2154	2215	2157	N10	E33	.575	12352	21.4	21	-B			.80				2 2 2 2	
PALE	18	2154	2217	2157	N09	E33	.571	12352	21.4	23	-B	2 C		1.08				DE	
PALE	18	2154	2217	2200	N09	E33	.571	12352	21.4	23	-B	2 C		.91				DE	
MCMA	18	2159E	2213		N10	E32	.562	12352	21.3	14D	-B	C	2159	.52	.60			E	
614 PALE	18	2235E	2243	2238	S03	E90	1.000	12357	25.7	8D	-N	3 V		.41				DE	2
GRP48616	19	0003	0038	0007	N06	E29	.502	12352	21.2	35	--N			.44				2 2 2 3	
MANI	19	0003	0028	0005	N06	E30	.516	12352	21.3	25	-N	1	0005	.52	.60			DE	
PALE	19	0005E	0047	0009	N05	E27	.468	12352	21.0	42D	-N	2 C		.36					
GRP48617	19	0055	0153	0132	N07	E25	.448	12352	20.9	58	--N			.54				2 2 2 3	
PALE	19	0055	0153D	0130	N06	E24	.428	12352	20.8	58D	-N	2 C		.36				DE	
MANI	19	0133E	0144D	0133U	N08	E25	.453	12352	20.9	11D	-N	2	0133	.72	.82			F	
GRP48619	19	1002	1014	1006	N11	E26	.486	12352	21.4	12	--N			.71				3 3 3 6	
KIEV	19	1001	1010	1002	N09	E26	.473	12352	21.4	9	-F	C	1002	1.03	1.10		50	DI	
TEHR	19	1003	1016	1005	N10	E27	.493	12352	21.4	13	-N	4 C		.64				F	
RAMY	19	1009E	1015	1012U	N13	E26	.499	12352	21.4	6D	-N	3 C		.46				DE	

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	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.												
GRP48621	19	1558	1614	1559	N11	E25	.472	12352	21.5	16	--N			.50				4 4 3 5
RAMY	19	1555E	1611	1558	N12	E24	.466	12352	21.5	160	-N	3	C	.56				OE
HUAN	13	1556	1615	1559	N11	E25	.472	12352	21.5	19	-N	1	C	1559 .36	.41			
BOUL	19	1559	1617	1600	N11	E24	.459	12352	21.5	18	-F	V	1600	1.80				
CATA	13	1600	16050	1600	N10	E25	.465	12352	21.5	50	-N	P	1600	.58	.65			(174)
BOUL	19	1600E	16460	1646U	N08	E26	.468	12352	21.6	460	-B	V						
GRP48622	19	1702	1728	1705	N07	E26	.462	12352	21.7	26	--F			.23				2 2 2 3
PALE	19	1656	1734	1705	N07	E26	.462	12352	21.7	38	-N	3	C	.19				DE
HUAN	13	1707	1721		N07	E26	.462	12352	21.7	14	-F	1	C	1709 .26	.29			
GRP48623	13	1835	1846	1839	N11	E24	.459	12352	21.6	11	--F			.31				2 2 2 3
HUAN	19	1835	1842	1836	N11	E24	.459	12352	21.6	7	-F	1	C	1836 .26	.29			D
PALE	19	1842E	1849	1842U	N11	E23	.445	12352	21.5	70	-F	2	C	.36				
624 PALE	13	2220E	2225	2223	N09	E21	.403	12352	21.5	50	--F	2	C	.36				2
GRP48625	19	2233	2329	2246	N09	E19	.375	12352	21.4	56	28			8.85				3 2 2 3
PALE	19	2233	2320	2245	N09	E20	.389	12352	21.4	47	18	2	C	2.89				U H
CULG	13	2244E	23380	2246	N09	E17	.347	12352	21.2	540	3N	P	2246	14.81	14.90			F
MANI	19	2259E	23010	2259U	N12	E21	.427	12352	21.5	20	18	2	P	2259	2.37	2.62		H
GRP48628	20	0448	0527	0452	N12	E14	.339	12352	21.3	39	18			2.87				3 3 3 4
TEHR	20	0448	0520	0451	N10	E16	.342	12352	21.4	32	18	3	C	2.11				F
CULG	20	0448	0542	0453	N16	E13	.378	12352	21.2	54	1N		0453	4.95	5.00			F
MANI	20	0449	0519	0452	N10	E13	.304	12352	21.2	30	-B	1	C	0452	1.55	1.62		F
GRP48629	20	0526	0554	0530	S10	W33	.555	12349	17.8	28	-N			1.40				2 2 2 3
CRON	20	0525E	0533		S10	W32	.541	12349	17.8	80	-N	V	0533	1.80				F
TEHR	20	0527	0615	0530	S10	W33	.555	12349	17.8	48	-N	3	C	.99				
48629	20	0558	0705	0559	S09	W33	.552	12349	17.8	67	*18			1.66				3 3 3 5
CULG	20	0525	06050	0558	S10	W31	.527	12349	17.9	400	1N	P	0558	1.75	2.00			F
MANI	20	0555E	06250	0559	S10	W33	.555	12349	17.8	300	-B	1	P	0559	1.24	1.48		F
CAPS	20	0600	0705		S08	W34	.564	12349	17.7	65	18	3	P	0602	2.00	2.40		(246) U
GRP48630	20	0559	0611	0602	N08	E15	.310	12352	21.4	12	-B			1.61				4 4 4 5
CRON	20	0558	0605	06050	N10	E17	.355	12352	21.5	7	-B	V	0605	.80				
CULG	20	0558	06050	0600	N05	E13	.256	12352	21.2	70	1N	P	0600	3.09	3.10			F
MANI	20	0559E	0617	0601	N10	E13	.304	12352	21.2	180	-B	1	C	0601	1.34	1.40		F
CAPS	20	0600	0618		N08	E15	.310	12352	21.4	18	-B	3	P	0602	1.20	1.30		(460)
GRP48631	20	0920	0956	0928	N10	E14	.317	12352	21.4	36	--N			.33				3 3 3 7
CAPS	20	0910	0942		N09	E14	.306	12352	21.4	32	-N	3	V	0923	.40	.40		(170) CD
CANR	20	0920	09250	0925	N12	E16	.363	12352	21.6	50	-N	V	0925	.30	.30			
CATA	20	0930	1010	0930	N09	E13	.293	12352	21.4	40	-N	C	0930	.29	.30			(186)
GRP48634	20	1140	1201	1142	N10	E13	.304	12352	21.5	21	--N			.38				5 5 5 7
CATA	20	1135	1205	1140	N09	E12	.281	12352	21.4	30	-N	C	1140	.58	.60			(158)
RAMY	20	1140	1150	1142	N09	E12	.281	12352	21.4	10	-N	4	C	.37				DE
CANR	20	1140	11430	1142	N17	E17	.429	12352	21.8	30	-N	V	1143	.30	.30			
MCMA	20	1141	1205	1144	N08	E12	.270	12352	21.4	24	-N	C	1144	.26	.30			D
CAPS	20	1144	1202		N08	E13	.283	12352	21.5	18	-F	3	V	1145	.40	.40		C
GRP48635	20	1255	1317	1257	N09	E12	.281	12352	21.4	22	--B			.67				7 7 7 9
BOUL	20	1252	13300	1256	N08	E12	.270	12352	21.4	380	-N	V	1258	.75	.75			
CAPS	20	1255	1314		N09	E15	.319	12352	21.7	19	-B	3	V	1258	1.30	1.30		(297) C
CANR	20	1255E	1310	1258	N11	E13	.316	12352	21.5	150	-B	V	1300	.40	.40			
CATA	20	1255	1320	1255	N09	E12	.281	12352	21.4	25	-B	C	1255	.87	.90			(209)
RAMY	20	1255	1314	1257	N10	E11	.281	12352	21.4	19	-B	4	C	.56				DE
MCMA	20	1255	1315	1257	N08	E12	.270	12352	21.4	20	-B	C	1257	.41	.40			E
HUAN	20	1300E	1314		N08	E12	.270	12352	21.4	140	-N	1	P	1305	.41	.43		
GRP48636	20	1450	1510	1456	N09	E11	.269	12352	21.4	20	--F			.28				6 6 6 8
MCMA	20	1447	1514	1455	N08	E12	.270	12352	21.5	27	-N	C	1455	.21	.20			D
CAPS	20	1449	1510		N10	E13	.304	12352	21.6	21	-F	2	V	1453	.30	.30		
MEUD	20	1450	1506	1459	N10	E09	.260	12352	21.3	16	-N	C	1459	.31	.30			D
HUAN	20	1450	1504	1458	N08	E11	.257	12352	21.4	14	-F	2	C	1458	.21	.21		D
BOUL	20	1450	1515	1454	N08	E12	.270	12352	21.5	25	-N	V	1500	.35	.35			
RAMY	20	1451	1510	1456	N09	E10	.258	12352	21.4	19	-F	4	C	.28				DE
GRP48637	20	1601	1617	1604	S11	E67	.921	12357	25.7	16	--F			.22				4 4 3 7
RAMY	20	1600E	1615	1601U	S10	E65	.906	12357	25.5	150	-N	4	V	.31				DE
HUAN	20	1600	1612	1606	S11	E67	.921	12357	25.7	12	-F	1	C					D
MCMA	20	1601	1614	1605	S12	E66	.914	12357	25.6	13	-F	C	1605	.21	.50			D
BOUL	20	1604	1628	1605U	S09	E69	.933	12357	25.8	24	-N	V	1610	.15	.43			

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	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT. MER. DIST.													
GRP48638	20	1653	1709	1654	N09	E09	.247 12352	21.4	16	--B				.41			2 2 2 3	
HUAN	20	1653	1708	1654	N09	E09	.247 12352	21.4	15	-N	2	C	1654	.46	.48		E	
MCMA	20	1653	1710	1654	N09	E09	.247 12352	21.4	17	-B		C	1654	.36	.40		E	
639 HUAN	20	1808	1812	1809	S13	W39	.644 12349	17.8	4	--F	1	C					3	
GRP48640	20	1825	1839	1829	N09	E09	.247 12352	21.4	14	--B				.51			4 4 4 4	
BOUL	20	1824	1843	1826	N08	E10	.245 12352	21.5	19	-N		V	1830	.75	.75			
HUAN	20	1825	1840	1829	N08	E08	.223 12352	21.4	15	-N	2	C	1829	.31	.32			
MCMA	20	1827E	1838D		N09	E08	.236 12352	21.4	110	-B		P	1827	.36	.40		E	
CANR	20	1830E	1836	1833	N10	E09	.260 12352	21.4	60	-B		V	1833	.60	.60			
GRP48641	20	2017	2042	2023	N08	E08	.223 12352	21.4	25	--N				.51			3 3 3 3	
PALE	20	2016	2020D	2018	N08	E08	.223 12352	21.4	40	-N	2	C		.36			F	
HUAN	20	2017	2037	2022	N09	E07	.227 12352	21.4	20	-N	1	C	2022	.41	.42		E	
BOUL	20	2029E	2046	2029E	N08	E09	.234 12352	21.5	170	-N		V	2035	.75	.75			
642 HUAN	20	2053	2101D		S10	E62	.884 12357	25.5	80	--F	1	P	2056	.62	1.25		E 2	
	20	2101	2155	NO FLARE PATROL														
GRP48643	20	2145	2210	2152	N10	E09	.260 12352	21.6	25	-B				1.27			2 2 2 2	
BOUL	20	2145	2210	2148	N09	E09	.247 12352	21.6	25	-B		V	2150	1.70	1.70			
MANI	20	2155E	2206D	2155U	N11	E08	.264 12352	21.5	110	-N	1		2155	.83	.86		FH	
644 PALE	20	2228E	2248	2237U	N08	E06	.204 12352	21.4	200	--F	2	C		.36			F 3	
GRP48645	21	0319	0351	0322	N08	E04	.187 12352	21.4	32	--N				.72			2 1 1 5	
MANI	21	0319	0351	0322	N08	E04	.187 12352	21.4	32	-N	2		0322	.72	.74		FH	
TEHR	21	0336	0343	0339	N12	E02	.244 12352	21.3	7	-F	4	C		.21			OE	
GRP48646	21	0400	0418	0405	N09	E03	.198 12352	21.4	18	--N				.56			3 3 3 4	
MANI	21	0359	0423	0402	N09	E02	.194 12352	21.3	24	-N	2		0402	1.03	1.05		FH	
TEHR	21	0401	0419	0405	N10	E02	.211 12352	21.3	18	-N	4	C		.19			OE	
PALE	21	0407E	0413	0407U	N08	E05	.194 12352	21.5	60	-N	1	C		.45			F	
GRP48649	21	0636	0700	0641	N10	E01	.209 12352	21.4	24	--F				.74			3 3 3 6	
BUCA	21	0635	0710		N10	E01	.209 12352	21.3	35	-F		C	0641	.77	.80			
MANI	21	0636	0657	0641	N10	E02	.211 12352	21.4	21	-F	2		0641	.83	.84		F	
UPIC	21	0641E	0652		N09	E01	.192 12352	21.4	110	-N		P	0641	.63			E	
GRP48651	21	0813	0827	0816	N07	E01	.157 12352	21.4	14	--N				.38			4 4 4 10	
TEHR	21	0808	0817	0812	N07	E01	.157 12352	21.4	9	-N	4	C		.21			F	
MONT	21	0811	0821	0816	N07	W03	.165 12352	21.1	10	-N		C	0816	.41				
CATA	21	0815	0830	0815	N06	W03	.149 12352	21.1	15	-N		C	0815	.58	.58		(162)	
BUCA	21	0819	0838		N07	E08	.208 12352	21.9	19	-F		C	0820	.32	.30		D	
GRP48652	21	0848	0908	0853	S08	E56	.830 12357	25.6	20	-N				1.08			4 4 4 8	
MONT	21	0847	0855	0851	S09	E56	.830 12357	25.6	8	-N		C	0851	.72			E	
MANI	21	0847	0915D	0849	S09	E56	.830 12357	25.6	230	-N	1		0849	.83	1.42		F	
CATA	21	0850	0915	0855	S08	E56	.830 12357	25.6	25	1N		C	0855	1.44	2.59		(166)	
TEHR	21	0852E	0906	0856U	S05	E57	.838 12357	25.6	140	-F	4	V		1.32			F	
GRP48654	21	1115	1125	1116	N12	W02	.244 12352	21.3	10	--N				.49			4 4 4 9	
MCMA	21	1114	1120	1115	N10	W02	.211 12352	21.3	6	-F		C	1115	.31	.30		E	
BUCA	21	1115	1138		N13	W01	.259 12352	21.4	23	-N		C	1115	.65	.70			
MONT	21	1116	1121	1117	N12	W03	.247 12352	21.2	5	-N		C	1117	.52			D	
RAMY	21	1117E	1121	1117U	N11	W01	.226 12352	21.4	40	-N	4	C		.46			DE	
GRP48655	21	1211	1226	1215	N11	W02	.228 12352	21.4	15	-N				1.01			7 7 6 10	
RAMY	21	1145	1155	1148	N11	W01	.226 12352	21.4	10	-F	4	C		.46			OE	
BUCA	21	1155	1240		N12	W02	.244 12352	21.3	45	-N		C	1214	1.31	1.40		D	
UPIC	21	1205	1223		N11	W02	.228 12352	21.4	18	-N		P	1215	1.26				
RAMY	21	1210	1227	1212	N10	W02	.211 12352	21.4	17	-N	4	C		1.11			DE	
MCMA	21	1211E	1225D		N11	W02	.228 12352	21.4	140	-N		P	1216	.83	.90		E	
HUAN	21	1212	1219		N11	W01	.226 12352	21.4	7	-F	1	C					E	
CATA	21	1215	1225	1215	N10	W01	.209 12352	21.4	10	-B		C	1215	1.16	1.18		(224)	
MONT	21	1218E	1224	1218	N12	W03	.247 12352	21.3	60	-N		C	1218	.41			CE	
GRP48657	21	1639	1702	1643	N11	W04	.235 12352	21.4	23	--N				.56			5 5 4 6	
PALE	21	1638E	1656D	1642U	N11	W04	.235 12352	21.4	180	-N	2	C		.27			F H	
RAMY	21	1639	1700D	1642	N10	W04	.219 12352	21.4	210	-N	3	V		.52			DE	
HUAN	21	1639	1702		N11	W04	.235 12352	21.4	23	-F	1	C						
MCMA	21	1640E	1655D		N11	W04	.235 12352	21.4	150	-N		P	1645	.41	.40		EH	
UPIC	21	1643E	1656D	1644U	N10	W04	.219 12352	21.4	130	-N		P	1644	1.05			F	
GRP48659	21	1731	1805	1755	N16	W81	.990 12358	15.7	34	--F				.52			2 2 1 5	
HUAN	21	1731	1800		N14	W81	.990 12358	15.7	29	-F	1	C						
PALE	21	1755E	1809D	1755U	N17	W80	.988 12358	15.7	140	-N	3	V		.52				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1973 MAY	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.												
GRP48660	21	1751	1802	(1753)	N08	W08	.221	12352	21.1	11	--F			1.05				3 3 2 5
MCMA	21	1751E	1805D		N09	W07	.225	12352	21.2	140	-F	P	1753	.62	.60			E
UPIQ	21	1753E	1801D		N06	W09	.208	12352	21.1	80	-N	P	1753	.85				
UPIQ	21	1753E	1801		N12	W06	.262	12352	21.3	80	-F	P	1753	.63				
PALE	21	1755E	1801D		N07	W09	.220	12352	21.1	60	-F	2 C						
GRP48661	21	1820	2018	(1856)	N15	W84	.996	12358	15.5	118	-B							4 2 0 6
CANR	21	1820E	1850D		N13	W80	.987	12358	15.8	300	-N	V						
HUAN	21	1843	1910		N14	W81	.990	12358	15.7	27	-N	1 C						
MCMA	21	1852E	2020D		N15	W86	.998	12358	15.3	880	-B	P	1856					HK
PALE	21	1903E	1906D		N17	W80	.988	12358	15.8	30	-N	1 C						F
HUAN	21	1930	1957		N14	W83	.994	12358	15.6	27	-N	1 C						K
HUAN	21	2007	2037		N14	W83	.994	12358	15.6	30	-F	1 C						
662 RAMY	21	2143E	2156	2149	N11	W07	.255	12352	21.4	130	--N	2 V		.62				DE 2
663 MANI	21	2217E	2231D	2217U	N13	W84	.996	12358	15.6	140	-N	1	2217	.62	1.76			3
665 MITK	21	2240	2306	2244	N15	W90	1.000	12358	15.2	26	1N	C	2244	1.13				E 3
666 MITK	22	0133	0139D	0136	N15	W90	1.000	12358	15.3	60	1N	C	0136	.72				D 5
GRP48667	22	0639	0848	0810	N18	W89	1.000	12358	15.6	129	-F			.64				5 2 2 12
CRON	22	0639E	0645		N16	W87	.999	12358	15.8	60	-N	V		.30				
CATA	22	0640	0910	0820	N17	W90	1.000	12358	15.5	150	1F	C	0820	.87			(135)	T
MEUD	22	0746	0757	0751	N20	W90	1.000	12358	15.6	11	-N	C	0751	.62				A
MONT	22	0817	0825	0820	N18	W87	.999	12358	15.8	8	-N	C	0820	.41				
KHAR	22	0844E	1015D		N18	W90	1.000	12358	15.6	910	2F	P	0845			2.80		CD
GRP48668	22	0836	0848	0846	N08	W11	.255	12352	21.5	12	--F			.41				3 3 2 10
CAPS	22	0835	0845		N07	W08	.207	12352	21.8	10	-F	3 V	0840	.40	.40		(152)	C
MONT	22	0835	0844	0837	N07	W12	.257	12352	21.5	9	-N	C	0837	.21				D
ISTA	22	0838	0848		N09	W12	.278	12352	21.5	10	-F							
MONT	22	0839	0844	0841	N09	W12	.278	12352	21.5	5	-N	C	0841	.41				DH
MONT	22	0846	0852	0846	N09	W12	.278	12352	21.5	6	-N	C	0846	.72				
GRP48670	22	0926	0951	0936	N09	W14	.304	12352	21.3	25	--N			.24				4 4 3 8
MONT	22	0914	0924	0916	N10	W12	.290	12352	21.5	10	-N	C	0916	.10				D
BUCA	22	0922	0954		N09	W13	.291	12352	21.4	32	-N	C	0933	.32	.30			
CATA	22	0925	0955	0935	N09	W14	.304	12352	21.3	30	-B	C	0935	.29	.30		(234)	
MONT	22	0925	0951	0936	N10	W15	.327	12352	21.3	26	-N	C	0936	.10				DH
ISTA	22	0933	0942		N10	W13	.302	12352	21.4	9	-N							D
MONT	22	0935	0949	0939	N09	W19	.372	12352	21.0	14	-F	C	0939	.10				
GRP48672	22	1053	1102	1056	N12	W11	.303	12352	21.6	9	--F			.74				3 3 3 7
RAMY	22	1048	1103	1051	N15	W10	.335	12352	21.7	15	-F	2 C		.46				DE
ZURI	22	1051	1101	1055	N15	W13	.362	12352	21.5	10	-F	C	1055	1.67	1.80			
MONT	22	1101	1102	1101	N07	W09	.219	12352	21.8	1	-F	C	1101	.10				
GRP48674	22	1716	1806	1719	N13	W19	.407	12352	21.3	50	-N			2.18				4 4 4 4
PALE	22	1716E	1805	1719	N12	W21	.424	12352	21.1	490	-N	3 C		.99				F H
HUAN	22	1716	1806		N12	W21	.424	12352	21.1	50	-N	1 C	1721	.67	.74			E
WEND	22	1718E	1800D		N13	W20	.420	12352	21.2	420	1N	V		5.16				
UPIQ	22	1722E	1749D		N14	W13	.349	12352	21.7	270	-N	P	1722	1.90				F
675 PALE	22	1915	1924	1917	S06	E40	.644	12357	25.8	9	--F	2 C		.27				3
GRP48676	22	1920	1934	1925	N15	W13	.362	12352	21.8	14	--F			.41				3 3 3 3
PALE	22	1917	1935	1925	N16	W12	.366	12352	21.9	18	-N	3 C		.55				DE
RAMY	22	1919	1934	1923	N14	W13	.349	12352	21.8	15	-F	3 C		.37				DE
HUAN	22	1925	1932	1926	N15	W13	.362	12352	21.8	7	-F	1 C	1926	.31	.33			
GRP48677	23	0236	0310	0246	S10	W75	.966	12349	17.5	34	--N			.57				2 1 1 6
TEHR	23	0236	0310	0246	S10	W75	.966	12349	17.5	34	-N	3 C		.57				F
PALE	23	0302	0312	0306	S10	W71	.945	12349	17.8	10	-F	2 C		.19				
GRP48679	23	0533	0539	0535	N11	W26	.482	12352	21.3	6	--N			.44				2 2 2 3
MANI	23	0532	0540	0535	N11	W26	.482	12352	21.3	8	-N	2	0535	.52	.59			F
TEHR	23	0533	0538	0535	N10	W25	.462	12352	21.4	5	-N	3 C		.36				
GRP48680	23	0621	0645	0625	N12	W27	.502	12352	21.2	24	--F			.93				5 5 5 7
BUCA	23	0620	0704		N13	W27	.509	12352	21.2	44	-F	C	0633	2.21	2.50			
CATA	23	0620	0650	0625	N13	W27	.509	12352	21.2	30	-N	C	0625	.58	.67		(182)	
CRON	23	0620E	0628		N08	W30	.522	12352	21.0	80	-F	V		.50				
TEHR	23	0621	0638	0625	N10	W27	.490	12352	21.2	17	-F	3 C		.55				F
CAPS	23	0622	0647		N15	W25	.498	12352	21.4	25	-N	3 V	0629	.80	1.00		(189)	C

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE MAY	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.													
GRP48684	23	1532	1553	1540	S13	H81	.987	12349	17.6	21	--F				.62				3 3 1 8
HUAN	23	1532	1551		S13	H82	.990	12349	17.5	19	-F	1	C						
MEUD	23	1535E	1555		S13	H82	.990	12349	17.5	20D	-F		C	1538	.62				
BOUL	23	1539E	1549D	1540	S14	H80	.984	12349	17.7	100	-N		V	1540		.30			
GRP48686	23	1848	1903	1850	N03	E34	.564	12359	26.3	15	--N				.56				2 2 2 3
HUAN	23	1848	1903	1850	N03	E33	.549	12359	26.3	15	-N	2	C	1850	.57	.68			E
PALE	23	1849E	1902	1849	N02	E34	.562	12359	26.3	13D	-N	3	C		.55				DE
687 HUAN	23	2039	2050		S06	E33	.547	12357	26.3	11	--F	1	C	2043	.41	.49			E
688 HUAN	23	2132	2138		S14	H80	.984	12349	17.9	6	--F	1	C	2134	.15				D
GRP48690	23	2356	0028	0003	N15	W35	.622	12352	21.4	32	1N				1.73				3 3 3 5
MANI	23	2353	0030	0005	N14	W37	.642	12352	21.2	37	1N	2		0005	1.86	2.43			FE
PALE	23	2354	0034	0002	N15	W36	.634	12352	21.3	40	-N	3	C		1.54				U
BOUL	24	0000	0021	0003	N15	W33	.597	12352	21.5	21	1F		V	0003	1.80	2.20			
GRP48694	24	0659	0735	0706	N14	W37	.641	12352	21.5	36	-B				1.72				8 7 6 8
MANI	24	0657	0730	0700	N14	W40	.677	12352	21.3	33	1B	2		0700	2.06	2.78			FE
BUCA	24	0700	0820		N14	W40	.677	12352	21.3	80	1B		C	0701	2.21	2.90			
TEHR	24	0700E	0740	0706	N14	W37	.641	12352	21.5	40D	-B	4	V		1.44				F
KODA	24	0700	0800	0701	N10	W35	.598	12352	21.7	60	-N		V	0701			1.84		D
CAPS	24	0700	0730	0704	N16	W38	.662	12352	21.4	30	1B	3	V	0701	1.60	2.30		(300)	C
CRON	24	0701E	0730D	0701E	N15	W41	.693	12352	21.2	29D	-N		V	0701	1.40				
CATA	24	0705	0750	0720	N14	W40	.677	12352	21.3	45	1N		C	0720	2.02	2.75		(186)	
CANR	24	0707E	0720	0709	N14	W31	.566	12352	22.0	13D	-N		V	0709	1.60	1.80			
GRP48695	24	0720	0815	0740	S15	W90	1.000	12349	17.6	55	1F				.58				2 1 1 10
CATA	24	0720	0815	0740	S15	W90	1.000	12349	17.6	55	1F		C	0740	.58			(123)	
MONT	24	0801	0814	0808	S15	W90	1.000	12349	17.6	13	-N		C	0808	.41				
GRP48696	24	0847	0857	0850	S15	W90	1.000	12349	17.6	10	-N				.34				2 2 2 10
CATA	24	0845	0900	0850	S15	W90	1.000	12349	17.6	15	1N		C	0850	.58			(155)	
MONT	24	0848	0853	0849	S15	W90	1.000	12349	17.6	5	-N		C	0849	.10				D
GRP48699	24	1211	1240	1217	S05	E20	.346	12357	26.0	29	-N				1.58				9 9 9 9
WEND	24	1208	1236		S05	E22	.378	12357	26.2	28	1N		V		5.16				
RAMY	24	1208	1237	1214	S04	E20	.344	12357	26.0	29	-N	4	C		1.30				F
HUAN	24	1209	1236	1213	S05	E21	.362	12357	26.1	27	-N	2	C	1213	.77	.83			E
MONT	24	1210	1229	1212	S04	E21	.360	12357	26.1	19	-N		C	1212	.52				E
MCMA	24	1210	1240		S06	E19	.333	12357	25.9	30	-N		P	1225	.62	.60			E
CATA	24	1210	1250	1220	S06	E20	.349	12357	26.0	40	1B		C	1220	2.02	2.16		(224)	
CAPS	24	1216	1245		S05	E17	.297	12357	25.8	29	-N	3	V	1222	1.00	1.10		(175)	CU
CANR	24	1220	1245	1221	S05	E23	.394	12357	26.2	25	-F		V	1221	1.80	2.00			
TEHR	24	1221E	1222D	1221U	S05	E25	.425	12357	26.4	10	-N	3	C		1.00				F
MCMA	24	1238E	1345D		S03	E10	.175	12357	25.3	67D	-F		P	1240	.52	.50			EH
GRP48701	24	1650	1714	1700	S06	E18	.317	12357	26.1	24	--F				.50				2 2 2 4
HUAN	24	1647	1704	1700	S06	E16	.285	12357	25.9	17	-F	1	C	1700	.36	.38			E
PALE	24	1653	1723D	1659	S06	E19	.333	12357	26.1	30D	-N	3	C		.63				DE
PALE	24	1718	1725D	1719	S05	E22	.378	12357	26.4	7D	-N	3	V		.21				F
GRP48702	24	1817	1908	1822	N15	W46	.748	12352	21.3	51	-N				.94				4 4 3 4
CANR	24	1816	1855	1823	N15	W46	.748	12352	21.3	39	-N		V		1.20	1.70			
MCMA	24	1818	1850D	1819	N15	W47	.759	12352	21.2	32D	-N			1819	.72	1.10			
MCMA	24	1818	1850D	1836	N15	W47	.759	12352	21.2	32D	-N		C	1836	1.03	1.60			EKL
HUAN	24	1819E	1927		N13	W46	.742	12352	21.3	68D	-N	1	C						CE
PALE	24	1823E	1903	1823U	N16	W46	.752	12352	21.3	40D	-N	3	C		.91				DE
GRP48703	24	1907	1917	1909	N09	W41	.672	12352	21.7	10	--F				.78				2 2 2 3
PALE	24	1906	1913D	1909	N09	W41	.672	12352	21.7	7D	-N	3	C		.36				F
BOUL	24	1908	1917D	1908D	N08	W40	.657	12352	21.8	9D	-F		V	1908	1.20	1.60			
705 PALE	24	2001	2006		S05	E21	.362	12357	26.4	5	--F	2	C						DE
4 STATIONS REPORTING GROUP 48706. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP48706	24	2342	0021	0001	S05	E05	.105	12357	25.4	39	--N				.78				3 3 3 5
MITK	24	2340	0030	2355	S04	E04	.081	12357	25.3	50	-N		C	2355	.62	.60			D
PALE	24	2344	0024D	0004	S04	E04	.081	12357	25.3	40D	-N	3	V		.93				UDE
CRON	25	0002	0008	0004	S06	E06	.130	12357	25.5	6	-F		V	0004	.80				
48706	24	2344	0030	2349	S04	E04	.081	12357	25.3	46	*-F				.44				2 2 2 5
MANI	24	2344	0030	2352U	S04	E04	.081	12357	25.3	46	-N	2		2352	.62	.62			FE
PALE	24	2344	0024D	2345	S04	E04	.081	12357	25.3	40D	-F	3	V		.26				UDE
GRP48707	25	0152	0246	0206	N14	W52	.807	12352	21.2	54	1N				2.37				5 4 4 6
MITK	25	0152	0252	0211	N13	W53	.814	12352	21.1	60	1N		C	0211	1.65	2.90			E
TEHR	25	0153E	0251	0203	N14	W50	.787	12352	21.3	58D	-N	2	V		1.32				F
MANI	25	0200E	0230D	0200U	N16	W53	.821	12352	21.1	30D	1N	2		0200	1.55	2.62			FU
KODA	25	0208E	0236	0210	N14	W50	.787	12352	21.3	28D	1B		C	0215	4.94	4.94	2.00		E
PALE	25	0218E	0303	0219U	N14	W53	.817	12352	21.1	45D	1N	2	V		1.65				F

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.												
GRP48709	25	0507	0516	0508	S00	E04	.075	12357	25.5	3	--N			.57				3 3 3 5
MANI	25	0507	0517	0509	S01	E04	.070	12357	25.5	10	-N	2	0509	.83	.82			FH
MITK	25	0507	0520	0507	N01	E05	.098	12357	25.6	13	-N		0507	.72	.70			D
TEHR	25	0508	0512	0509	S01	E02	.036	12357	25.4	4	-N	3	V	.17				DE
GRP48711	25	0655	0717	0701	N15	W53	.819	12352	21.3	22	-N			.78				8 8 8 11
MITK	25	0655	0717	0700	N16	W54	.830	12352	21.2	22	-N		C	.83	1.40			EH
MANI	25	0655	0720	0700	N16	W56	.848	12352	21.1	25	-N	2	C	.93	1.63			UE
CATA	25	0655	0705D	0700	N16	W52	.812	12352	21.4	100	-B		P	1.16	1.98			(245)
CAPS	25	0655	0722		N16	W52	.812	12352	21.4	27	-B	3	V	.80	1.40			(277) C
MEUD	25	0655	0715	0700	N15	W51	.799	12352	21.5	20	-N		C	.52	.90			E
ZURI	25	0656	0716	0704	N14	W51	.797	12352	21.5	20	-F		C	.85	1.40			
CRON	25	0656	0715	0701	N16	W53	.821	12352	21.3	19	-N		V	.80				F
TEHR	25	0656E	0717	0700	N14	W51	.797	12352	21.5	190	-N	3	V	.33				
GRP48718	25	1620	1644	1622	N14	W59	.870	12352	21.3	24	-N			.45				4 4 3 5
BOUL	25	1619E	1628E	1622E	N14	W59	.870	12352	21.3	30	-F		V		1.90			
MEUD	25	1620	1633D	1622	N15	W56	.846	12352	21.5	130	-N		C	.41	.80			E
HUAN	25	1621	1626	1622	N14	W58	.862	12352	21.3	5	-N	1	C	.31	.61			
PALE	25	1622E	1644	1623U	N14	W62	.894	12352	21.0	220	-N	2	V	.62				DE
HUAN	25	1631	1643	1637	N13	W60	.877	12352	21.2	12	-F	1	C					
GRP48720	25	1742	1808	1749	S02	W06	.105	12357	25.3	26	--F			.41				4 4 3 5
BOUL	25	1742E	1756D	1746	S03	W07	.124	12357	25.2	140	-F		V		1.60			
HUAN	25	1743E	1805		S02	W06	.105	12357	25.3	220	-F	1	P	.41	.42			CE
PALE	25	1749E	1810	1750U	S01	W06	.105	12357	25.3	210	-N	3	C	.55				F
RAMY	25	1751E	1753D	1751U	S01	W06	.105	12357	25.3	20	-F	2	C	.28				DE
721 PALE	25	1814	1826	1817	N17	W55	.841	12352	21.6	12	--F	3	C	.45				DE 3
	25	1944	2013		NO FLARE PATROL													
	25	2031	2123		NO FLARE PATROL													
	25	2136	2145		NO FLARE PATROL													
723 TEHR	26	0453	0504	0455	S02	W09	.157	12357	25.5	11	--N	4	C	.21				DE 4
GRP48724	26	0737	0755	0741	S01	W13	.225	12357	25.3	18	--N			.26				3 3 3 9
MANI	26	0734	0808D	0742	S01	W13	.225	12357	25.3	340	-F	2		.31	.32			F
TEHR	26	0739	0746	0740	S01	W12	.208	12357	25.4	7	-F	3		.17				F
CATA	26	0740E	0750	0740	S01	W14	.242	12357	25.3	100	-B		P	.29	.29			(209)
GRP48731	26	1829	1847	1837	N12	E36	.618	12360	29.5	18	--F			.57				2 2 2 3
HUAN	26	1829	1845	1838U	N12	E35	.605	12360	29.4	16	-F	2	C	.31	.39			E
PALE	26	1834E	1848	1836	N12	E36	.618	12360	29.5	140	-N	3	V	.83				DE
	26	2145	0015		NO FLARE PATROL													
732 MITK	27	0057	0102	0058	S03	W29	.485	12357	24.9	5	--N		C	.52	.60			D 1
GRP48735	27	0724	0734	0727	S04	W26	.440	12357	25.4	10	--N			.61				3 3 3 7
TEHR	27	0724	0734	0725	S05	W25	.426	12357	25.4	10	-N	3	C	.25				DE
ATHN	27	0724	0734	0726	S03	W26	.439	12357	25.4	10	-N	3	C	.50				DE
ABST	27	0728E	0731D	0729	S04	W26	.440	12357	25.4	3D	-F		P	0729	1.08	1.20		D
GRP48737	27	0939	0947	0941	S00	W31	.515	12357	25.1	8	--N			.30				4 4 4 9
ATHN	27	0936E	0943D	0938	S00	W33	.545	12357	24.9	7D	-N	3	C	.33				DE
CATA	27	0940	0950	0940	N01	W32	.531	12357	25.0	10	-B		C	.29	.34			(214)
CAPS	27	0940	0946		S02	W28	.469	12357	25.3	6	-N	3	V	.30	.30			(160) C
ARCE	27	0940	0945	0941	S00	W32	.530	12357	25.0	5	-N		C	.26	.30			
GRP48738	27	1203	1217	1207	S01	W34	.559	12357	25.0	14	--N			.41				7 7 6 8
CAPS	27	1200	1216		S02	W31	.515	12357	25.2	16	-B	3	V	.50	.60			(212)
TEHR	27	1202	1218	1207	S02	W32	.530	12357	25.1	16	-N	3	C	.26				DE
RAMY	27	1203	1220	1206	S01	W32	.530	12357	25.1	17	-N	4	C	.46				DE
MEUD	27	1203	1213	1205	S02	W34	.559	12357	25.0	10	-N		C	.62	.70			E
CATA	27	1205	1220	1210	N01	W34	.560	12357	25.0	15	-N		C	.29	.35			(200)
ATHN	27	1208E	1214	1208U	S00	W37	.602	12357	24.7	6D	-N	2	V	.33				DE
WEND	27	1208E	1220D		S00	W35	.574	12357	24.9	12D	-N							

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1973	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 _G	MAX. INT. %	
					LAT.	MER. DIST.												
	MAY																	
GRP48742	27	1321	1352	1324	S00	W33	.545	12357	25.1	31	--N			.50			9 9 8 10	
HUAN	27	1310	1318	1312	S01	W34	.559	12357	25.0	8	-F	1	C				D	
TEHR	27	1317	13280	1325	S02	W31	.515	12357	25.2	110	-N	3	C	.15			DE	
RAMY	27	1318	1345	1325	S01	W32	.530	12357	25.2	27	-N	4	C	.65			DE H	
CATA	27	1320	14000	1325	N01	W32	.531	12357	25.2	400	-N		P	1325	.58	.68	(186)	
BOUL	27	1320	1410	1323	N01	W33	.546	12357	25.1	50	-N		V	1323	.70	.80		
ATHN	27	1321E	1335	1322	S02	W35	.573	12357	24.9	140	-N	2	V		.66		DE	
WEND	27	1321E	13450		N01	W36	.589	12357	24.9	240	-N							
HUAN	27	1321	1353U		S00	W33	.545	12357	25.1	320	-F	1	C	1330	.31	.37	E	
MEUD	27	1322	1345	1325	S02	W33	.545	12357	25.1	23	-F		C	1325	.41	.50	D	
CAPS	27	1325	1400		N01	W32	.531	12357	25.2	35	-N	3	V	1328	.50	.60	(182)	
GRP48743	27	1417	1427	1420	S01	W35	.573	12357	25.0	10	--N			.34			3 3 2 7	
HUAN	27	1417	1421	1419	S01	W35	.573	12357	25.0	4	-F	1	C	1419	.21	.25	D	
WEND	27	1417E	14300		S00	W37	.602	12357	24.8	130	-N							
RAMY	27	1418	1429	1420	S01	W33	.545	12357	25.1	11	-N	4	C		.46		DE	
GRP48745	27	1606	1618	1608	S01	W37	.602	12357	24.9	12	-N			.86			6 6 5 7	
LOCA	27	1602E	1622	1605	N01	W35	.575	12357	25.0	200	-N		V	1605	1.26	1.50		
BOUL	27	1606	1624	1608	S01	W36	.588	12357	25.0	18	-B		V	1608	.80	.96		
HUAN	27	1607	1615	1608	S01	W36	.588	12357	25.0	8	-N	2	C	1608	.62	.77		
MEUD	27	1608	1615	1609	S02	W36	.588	12357	25.0	7	-N		C	1609	.62	.70	E	
ATHN	27	1608E	16160	1610	S00	W41	.656	12357	24.6	80	-N	2	V		.99		F	
WEND	27	1609E	16180		S01	W36	.588	12357	25.0	90	-N							
748 MANI	27	2238E	2249	2242	S11	E48	.750	12363	31.5	110	--N	1		2242	.62	.92	2	
GRP48755	28	1242	1257	1246	S00	W47	.731	12357	25.0	15	-N			.71			7 7 7 9	
BOUL	28	1239	1259	1246	S02	W48	.743	12357	24.9	20	-N		V	1250	.60	.90		
ATHN	28	1240E	12460	1242	S00	W47	.731	12357	25.0	60	-N	2	V		.83		DE	
RAMY	28	1241	1259	1246	S01	W46	.719	12357	25.1	18	-N	4	C		.74		DE	
CANR	28	1241	1300	1247	S02	W46	.719	12357	25.1	19	-N		V	1247	1.20	1.70		
MCMA	28	1242E	12550	1247	N01	W46	.720	12357	25.1	130	-N		C	1247	.41	.60	E	
CATA	28	1245	1255	1245	N02	W47	.733	12357	25.0	10	-B		C	1245	.87	1.27	(251)	
HUAN	28	1245	1253	1247	S00	W47	.731	12357	25.0	8	-N	1	C	1247	.31	.45		
GRP48757	28	1602	1616	1607	S05	W36	.590	12357	26.0	14	--F			.76			3 3 2 7	
WEND	28	1558E	16120		S04	W37	.603	12357	25.9	140	-N							
BOUL	28	1602E	16140	1604	S06	W35	.577	12357	26.0	120	-F		V	1610	.47	.50		
UPIC	28	1606	1616	1609	S04	W35	.575	12357	26.0	10	-F		P	1609	1.05			
GRP48760	28	1736	1755	1741	S00	W49	.755	12357	25.1	19	-B			1.13			8 8 7 8	
RAMY	28	1735	18040	1739	S01	W49	.755	12357	25.1	290	-B	3	V		1.32		Z F	
MCMA	28	1736E	17460		N02	W48	.744	12357	25.1	100	-B		C	1742	.41	.60	E	
HUAN	28	1736	1751	1741	S00	W48	.743	12357	25.1	15	-N	1	C	1741	.41	.62		
BOUL	28	1737E	1759	1742	S01	W49	.755	12357	25.1	220	-N		V	1745	1.30	2.00		
UPIC	28	1739E	1747	1742	N02	W50	.767	12357	25.0	80	-B	18	P	1742	2.10			
PALE	28	1741E	1757	1741U	N01	W49	.755	12357	25.1	160	-B	4	C		.99		F	
CANR	28	1741E	1748	1743	S00	W49	.755	12357	25.1	70	-B		V	1743	1.40	2.00		
WEND	28	1743E	17560		S01	W50	.766	12357	25.0	130	-N							
GRP48761	28	1859	1918	1904	S06	W36	.591	12357	26.1	19	--F			.55			3 3 3 5	
HUAN	28	1857	1917		S06	W36	.591	12357	26.1	20	-F	1	C	1901	.31	.38	D	
PALE	28	1858	1910	1858	S05	W36	.590	12357	26.1	12	-N	3	C		.55			
BOUL	28	1901	1927	1904	S07	W35	.579	12357	26.2	26	-F		V	1910	.80	.96		
GRP48762	29	0431	0445	0433	S01	W54	.809	12357	25.1	14	--N			.39			2 2 2 5	
TEHR	29	0431	0445	0433	S02	W55	.819	12357	25.1	14	-N	3	C		.28		F	
ATHN	29	0432E	0444	0432U	S00	W53	.799	12357	25.2	120	-N	3	V		.50		DE	
GRP48763	29	0527	0621	0543	N18	W20	.460	12364	27.7	54	--F			1.28			3 2 2 9	
ABST	29	0518	0650	0544	N17	W21	.461	12364	27.6	92	-F		C	0544	1.62	1.80	76	
MANI	29	0535	0551	0541	N18	W19	.449	12364	27.8	16	-F	2		0541	.93	1.03		
TEHR	29	0647	0655	0650	N17	W19	.439	12364	27.9	8	-F	4	C		.15		DE	
GRP48766	29	1311	1326	1313	N18	W25	.517	12364	27.7	15	--N			.41			3 3 3 6	
ATHN	29	1311E	13160	1311U	N18	W23	.494	12364	27.8	50	-N	2	V		.66		F	
RAMY	29	1311	1330	1312	N18	W26	.528	12364	27.6	19	-N	3	C		.37		DE	
HUAN	29	1312	1322	1315	N17	W25	.508	12364	27.7	10	-F	2	C	1315	.21	.24	D	
GRP48770	29	1921	1924	1922	N01	W63	.891	12357	25.1	3	--F			.29			2 2 2 4	
HUAN	29	1921	1924	1922	S00	W63	.891	12357	25.1	3	-F	1	C	1922	.21	.45	D	
PALE	29	1921	1924	1921	N02	W63	.892	12357	25.1	3	-N	3	C		.36			
GRP48772	30	0614	0631	0615	S06	W68	.927	12357	25.2	17	--F			.36			3 3 3 7	
TEHR	30	0610	0632	0614	S06	W70	.940	12357	25.0	22	-F	4	C		.36		F	
ATHN	30	0615	0628	0616	S05	W68	.927	12357	25.2	13	-F	2	C		.33		DE	
CAPS	30	0618	0632		S06	W67	.921	12357	25.2	14	-F		V	0620	.40	.80	C	

SOLAR FLARES

Confirmed

MAY 1973

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE MAY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP48779	30	1815	1820	1817	N15	W43	.712	12364	27.5	5	--F			.41				2 2 2 4
RAMY	30	1814	1820	1817	N14	W42	.697	12364	27.6	6	-F	3 C		.46				DE H
PALE	30	1815	1818	1817	N16	W43	.716	12364	27.5	30	-N	3 C		.36				DE
GRP48780	31	0105	0113	0108	N17	W47	.762	12364	27.5	8	--N		0108	.30				2 2 2 2
MANI	31	0105	0114	0108	N16	W46	.748	12364	27.6	9	-N	2		.41	.62			
PALE	31	0107E	0112	0107U	N18	W47	.765	12364	27.5	50	-N	3 C		.19				

Remarks:

A = Eruptive prominence, base at $>90^\circ$.
 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 spots visible in the neighborhood.
 H = Flare with high velocity dark surge.
 I = Very extensive active region.
 J = Flare with flare shows marked intensity variations.
 K = Several intensity maxima.
 L = Filaments show effects of sudden activation.
 M = White-light flare.

N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H or K.
 P = Flare shows helium D_3 in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in H α line.
 S = Brightening follows disappearance of filament (same position).
 T = Region active all day.
 U = Close and somewhat parallel bright filaments (H or Y shape).
 V = Occurrence of an explosive phase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H α emission.
 Y = Onset of a 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
730501	30.26	23.9	730511	0.00	21.0	730520	76.81	23.1
730502	20.46	24.0	730512	0.00	23.9	730521	21.15	24.0
730503	286.38	24.0	730513	0.00	23.4	730522	29.98	24.0
730504	38.64	24.0	730514	0.51	24.0	730523	5.35	24.0
730505	160.01	24.0	730515	14.37	23.7	730524	35.84	24.0
730506	41.30	22.4	730516	10.20	24.0	730525	33.92	22.5
730507	32.14	24.0	730517	39.16	23.4	730526	0.00	21.5
730509	17.42	23.9	730518	30.98	24.0	730527	3.90	24.0
730510	2.37	23.7	730519	413.37	24.0	730528	9.40	24.0

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

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SOLAR FLARES

Unconfirmed

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE MAY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H ₀	MAX. INT. %		
398 MITK	01	0305E	0350	0323	N13	W90	1.000	12322	24.4	450	1B		C	0323	1.13				E	5
399 KODA	01	0424E	0910	0429	N13	W90	1.000	12322	24.4	2860	2B		C	0424			4.44		I	5
402 ISTA	01	0921	0945		S14	E51	.779	12332	5.2	24	-N								E	9
403 UPIC	01	1115	1131	1122	N15	W90	1.000	12322	24.7	16	1N		P	1122	.42					9
GRP48404	01	1152	1223	(1153)	N15	W90	1.000	12322	24.7	31	1B				.61				2 2 2 8	
CATA	01	1150	1210	1150	N14	W90	1.000	12322	24.7	20	1N		C	1150	.58			(182)		
UPIC	01	1153	1235		N15	W90	1.000	12322	24.7	42	1B		P	1155	.63					
405 ZURI	01	1224	1244	1236	S14	E76	.968	12336	7.2	20	-F		C	1236	.62	2.40				8
413 KODA	02	0245	0306	0250	S12	W42	.673	12323	29.0	21	-N		V	0250			1.96		D	3
417 CATA	02	0855	0915	0900	S10	W51	.776	12323	28.5	20	-N		C	0900	.29	.46		(170)		11
419 TEHR	02	0940	0956	0946	S08	W53	.797	12323	28.4	16	-F	2	C		.37				DE	10
GRP48426	02	1810	1816	1812	S13	E60	.865	12336	7.3	6	-F				.52				2 2 1 5	
MCMA	02	1808E	1815D		S13	E58	.847	12336	7.1	70	-N		P	1808	.52	1.00			E	
BOUL	02	1811	1816	1812	S12	E62	.881	12336	7.4	5	-F		V	1812		1.26				
431 MANI	02	2222	2230	2225	S10	W58	.846	12323	28.6	8	-N	2		2225	.52	.90				3
432 MANI	02	2255	2301	2256	S09	W59	.855	12323	28.5	6	-N	2		2256	.83	1.48				3
434 MANI	03	0009E	0026	0010	S10	W59	.855	12323	28.6	170	-F	2		0010	.41	.74				3
438 MANI	03	0145E	0152	0147	S10	W60	.864	12323	28.6	70	-F	2		0147	.21	.24				3
441 MANI	03	0322E	0327D	0322U	S14	E50	.769	12336	6.9	50	-N	2		0322	.62	.97				4
442 MANI	03	0327	0331D	0328	S10	W60	.864	12323	28.6	40	-N	2		0328	.31	.35				4
GRP48446	03	0644	0702	(0651)	S16	E52	.793	12336	7.2	18	-N				.58				2 2 2 7	
CRON	03	0642E	0700		S17	E54	.814	12336	7.3	180	-N		V		.65					
CAPS	03	0645	0703		S15	E50	.771	12336	7.0	18	-N	2	V	0651	.50	.90				
GRP48447	03	0723	0729	0728	S15	E47	.738	12336	6.8	6	-F				.63				2 2 2 8	
CRON	03	0723E	0728		S16	E48	.751	12336	6.9	50	-F		V		.75					
TEHR	03	0727E	0730D	0728U	S13	E46	.723	12336	6.8	30	-N	2	V		.50				F	
GRP48448	03	0729	0745	0743	S13	E49	.757	12336	7.0	16	-F				.74				2 2 2 8	
CANR	03	0729E	0745		S13	E47	.735	12336	6.8	160	-F		V		1.30	1.80				
TEHR	03	0743E	0744D	0743U	S12	E50	.767	12336	7.1	10	-N	2	V		.17				DE	
450 ARCE	03	0839	0848D	0840	S10	W63	.889	12323	28.6	90	-B		C	0840	.12	.30				10
451 CATA	03	1145	1150	1145	S13	E47	.735	12336	7.0	5	-N		C	1145	.29	.42		(186)		7
452 HUAN	03	1206E	1210D		S12	E57	.838	12336	7.8	40	-F	1	P	1208	.10	.19			D	6
454 PALE	03	1719	1738	1721	S17	E80	.983	12338	9.7	19	-N	3	V		.62				DE	3
GRP48461	03	2340	2359	2344	S03	W75	.965	12323	28.4	13	-F				.52				2 2 1 5	
MANI	03	2339E	2359	2346	S03	W76	.970	12323	28.3	200	-F	2		2346	.52	1.22			F	
BOUL	03	2340	2353D	2342	S02	W73	.956	12323	28.5	130	-N		V	2342		.60				
462 MANI	04	0106E	0121D	0108	S14	E45	.713	12336	7.4	150	-F	2		0108	.72	1.02			F	3
463 MANI	04	0107	0121D	0120U	S06	W81	.987	12323	28.0	140	-N	2		0120	.83	2.17				3
466 MANI	04	0406	0420D	0409	S10	W71	.943	12323	28.8	140	-F	2		0409	.62	1.34				3
GRP48470	04	1126	1145	1137	S12	E39	.635	12336	7.4	19	-F				.73				2 2 2 11	
ZURI	04	1122	1144	1136	S11	E37	.607	12336	7.2	22	-F		C	1136	.63	.80			DE	
RAMY	04	1130	1145	1137	S13	E41	.663	12336	7.6	15	-F	3	C		.83					
471 TEHR	04	1203	1212	1205	S13	E79	.980	12338	10.4	9	-N	2	C		.09				DE	9
472 TEHR	04	1210	1220	1212	S13	E35	.584	12336	7.1	10	-N	3	C		.19				DE	9
489 ARCE	05	0820E	0855D		S15	E21	.399	12336	6.9	350	-N		C	0830	.41	.50				10
508 TEHR	05	0939E	0950	0942	S10	E16	.294	12336	7.6	110	-N	3	V		.25				F	6

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May 73SOLAR FLARES
Unconfirmed

MAY 1973

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH FLARE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
GRP48511 TEHR ATHN	06	1136	1151	1139	S13	E10	.235	12336	7.2	15	-F	3	V		.75			2 2 2 6	
	06	1136	1148	1138	S11	E10	.213	12336	7.2	12	-F				.50			F	
	06	1137E	1154	1139	S14	E10	.247	12336	7.2	170	-N	3	V		.99			F	
517 HUAN	06	1754	1800D	1755	S15	E15	.319	12336	7.9	60	-F	1	P	1755				3	
522 MANI	07	0035E	0043D	0035U	S13	E00	.164	12336	7.0	80	-F	2		0035	.62	.62		F 3	
524 PALE	07	0202	0213D	0204	S16	W07	.245	12336	6.6	110	-F	2	V		.41			F 4	
526 MANI	07	0324E	0328D	0326	S18	W05	.263	12336	6.8	40	-F	2		0326	.52	.54		F 7	
GRP48529 MANI ATHN	07	0637	0655	0647	S13	E00	.164	12336	7.3	18	-B				1.44			2 2 2 6	
	07	0637	0649D	0643	S13	E01	.165	12336	7.4	120	-B	2		0643	1.55	1.58		E	
	07	0650E	0655D	0650U	S13	W01	.165	12336	7.2	50	-N	1	C		1.32			UDE	
GRP48534 ATHN RAMY	07	1152	1214	1155	S13	W10	.236	12336	6.7	22	-F				.24			2 2 2 6	
	07	1151E	1212	1157	S12	W12	.251	12336	6.6	210	-F	3	V		.33			DE	
	07	1152	1215	1153	S13	W08	.213	12336	6.9	23	-N	2	V		.15			DE	
535 RAMY	07	1315E	1326	1315U	S13	E00	.164	12336	7.6	110	-F	4	V		.83			F 6	
536 HUAN	07	1507	1520		S13	W14	.288	12336	6.6	13	-F	1	C	1512				4	
543 PALE	08	0327	0358	0329	S14	W15	.312	12336	7.0	31	-F	1	C		.27			F 6	
545 ATHN	08	0502E	0532	0520U	S13	W21	.388	12336	6.6	300	-N	2	V		.33			DE 3	
GRP48547 ATHN ATHN	08	0537	0546	0540	S12	W21	.382	12336	6.7	9	-N				.66			1 1 1 3	
	08	0537E	0544	0540	S11	W22	.392	12336	6.6	70	-N	3	V		.66			F	
	08	0537	0546	0540	S13	W20	.374	12336	6.7	9	-N	1	C		.66			F	
550 RAMY	08	1134	1145D	1137	S13	W23	.417	12336	6.8	110	-F	5	V		.28			DE 5	
552 CAPS	08	1505	1532		S15	W15	.321	12336	7.5	27	-N	3	V	1519	.80	.90	(164)	C 7	
558 RAMY	09	1133E	1141	1135U	S12	W22	.398	12336	7.8	80	-N	5	V		.31			DE 5	
GRP48561 MANI MANI BOUL	10	0019	0105	0045	S14	W38	.629	12336	7.2	46	-F				.41			2 2 1 5	
	10	0019	0105D	0049	S14	W36	.603	12336	7.3	460	-F	2		0049	.41	.52		F	
	10	0019	0105D	0026	S14	W36	.603	12336	7.3	460	-F	2		0026	.83	1.03		F	
	10	0031E	0053D	0041	S14	W39	.642	12336	7.1	220	-F		V	0041		.95			
562 MANI	10	0550E	0619D	0554	S14	W45	.715	12336	6.9	290	-F	2		0554	.62	.87		3	
563 MANI	10	0550E	0619D	0608	S14	W45	.715	12336	6.9	290	-F	2		0608	.41	.58		4	
564 MANI	10	0646E	0707D	0650U	S14	W45	.715	12336	6.9	210	-F	2		0650	.52	.73		5	
565 MONT	10	0927	0930	0928	S15	W46	.729	12336	6.9	3	-F		C	0928	.21			8	
568 CANR	10	1729	1737	1730	S13	W47	.737	12336	7.2	8	-N		V		.30	.52		4	
570 ATHN	11	1536E	1612	1537	S07	W57	.838	12336	7.4	360	-F	2	V		.33			DE 5	
571 ATHN	11	1634	1727	1645	S09	W41	.658	12336	8.6	53	-N	0	C		.74			DE 5	
573 TEHR	12	0416E	0423	0418	S12	W63	.891	12336	7.5	70	-F	3	V		.12			F 7	
574 TEHR	12	0433	0448	0436	S13	W65	.906	12336	7.3	15	-F	3	C		.55			F 9	
575 RAMY	12	1517E	1518D	1517U	S00	E04	.087	12345	12.9	10	-F	3	C		.28			DE 7	
577 RAMY	14	1434	1443	1436	N11	E90	1.000	12352	21.4	9	-N	3	C					DE 6	
580 MANI	15	0408E	0414D	0409	S09	E37	.606	12349	17.9	60	-F	2		0409	.31	.39		5	
581 ABST	15	0851E	0855D	0851	S09	E33	.551	12349	17.8	40	1N		P	0851	1.80	2.10		E 8	
582 ABST	15	0851E	0855D	0851	N06	E86	.998	12352	21.8	40	1N		P	0851	1.08			D 8	
583 MONT	15	0940	0943	0940	N04	E87	.999	12352	21.9	3	-F		C	0940	.10			7	
584 MONT	15	1023	1028	1024	N07	E87	.999	12352	22.0	5	-N		C	1024	.52			5	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %		
					LAT.	MER. DIST.													
585 MONT	15	1056	1057	1056	S09	E30	.507	12349	17.7	1	-F	C	1056	.10					6
586 RAMY	15	1154	1201	1158U	S09	E31	.522	12349	17.8	7	-F	2 C		.37				DE	5
588 HUAN	15	1404	1409	1405	S06	E30	.501	12349	17.8	5	-F	1 C	1405						6
590 TEHR	16	0958	1014	1004	N09	W10	.263	12358	15.7	16	-F	4 V		.19				F	8
591 BOUL	16	1906	1913	1908	S10	E18	.332	12349	18.1	7	-F	V	1908		.83				3
592 KODA	17	0411	0415	0411	N08	E61	.881	12352	21.7	4	-B	V	0411			1.56		E	3
593 MANI	17	0526	0536	0528	N05	E55	.824	12352	21.4	10	-F	2	0528	.62	1.05				5
595 ISTA	17	0850	0910		N07	E56	.836	12352	21.6	20	1F							E	5
GRP48602 TEHR MANI	18	0501	0515	0505	N10	E42	.690	12352	21.4	14	-F			.28				2	2 2 2 5 DE F
	18	0458	0515	0503	N10	E41	.678	12352	21.3	17	-N	3 V		.15					
	18	0503	0515	0506	N09	E43	.699	12352	21.4	12	-F	2	0506	.41	.58				
606 UPIO	18	1153E	1157U		N11	E36	.619	12352	21.2	40	-F	P	1153	.42					8
607 ARCE	18	1200E	1215D		N13	E38	.652	12352	21.4	150	-N	C	1200	.23	.30				9
608 ARCE	18	1210E	1225D	1215	N05	E37	.611	12352	21.3	150	-F	C	1215	.41	.50				10
615 MANI	18	2301	2307	2303	N08	E37	.620	12352	21.7	6	-F	1	2303	.31	.39				4
618 UPIO	19	0923E	0923D		N11	E27	.499	12352	21.4		-F	P	0923	.63					8
620 BOUL	19	1410	1426	1415	S00	E80	.985	12357	25.6	16	1N	V			2.60				7
626 PALE	20	0328	0334	0331	N11	E18	.378	12352	21.5	6	-F	2 C		.36				F	5
627 TEHR	20	0348	0354	0348	N11	E18	.378	12352	21.5	6	-N	3 C		.17				DE	4
GRP48632 TEHR CAPS	20	0947	1002	0948	N09	E13	.293	12352	21.4	15	-N			.38				2	2 2 2 5 DE
	20	0947E	0958	0948U	N10	E12	.293	12352	21.3	110	-N	4 V		.25					
	20	0947	1005		N07	E13	.273	12352	21.4	13	-N	3 V	0948	.50	.50				
633 TEHR	20	1041	1101	1043	N10	E11	.281	12352	21.3	20	-N	3 V		.17				DE	6
647 MANI	21	0447	0506	0449	N10	E02	.211	12352	21.3	19	-F	2	0449	.21	.21				4
GRP48648 ABST UPIO	21	0605	0630	0611	N09	E02	.194	12352	21.4	25	-F			1.35				2	2 1 1 8 O O
	21	0605	0630D	0611	N09	E02	.194	12352	21.4	250	-F	P	0611	1.35	1.40				
	21	0627E	0627D		N14	E04	.284	12352	21.6		-F	P	0627	.21					
GRP48650 MANI UPIO	21	0700	0715	0702	N12	E00	.242	12352	21.3	15	-F			.42				2	2 2 2 6 F
	21	0657	0721D	0702	N12	E00	.242	12352	21.3	240	-F	2	0702	.21	.21				
	21	0703	0708		N11	E00	.225	12352	21.3	5	-F	P	0704	.63					
653 MONT	21	0944	1011	0959	S14	W49	.764	12349	17.7	27	-N	C	0959	.21				E	7
656 UPIO	21	1551E	1615	1602U	N12	W04	.251	12352	21.4	240	-F	P	1602	.42				E	7
658 HUAN	21	1707	1713	1710	N14	W81	.990	12358	15.6	6	-F	1 C	1710	.26				T	4
664 MANI	21	2217E	2231D	2217U	N11	W08	.263	12352	21.3	140	-F	1	2217	.83	.86			F	3
669 MONT	22	0925	0929	0928	S11	W61	.876	12349	17.8	4	-N	C	0928	.10				E	9
GRP48671 MONT CATA	22	1051	1129	1101	N17	W89	1.000	12358	15.8	33	-F			.34				2	2 2 2 7 O T
	22	1041	1129	1101	N18	W88	1.000	12358	15.8	48	-N	C	1101	.10					
	22	1100	1110D	1100	N16	W90	1.000	12358	15.7	100	1F	P	1100	.58				(120)	
673 UPIO	22	1429	1447U		N16	W90	1.000	12358	15.9	180	1N	P	1432	.42					8
678 TEHR	23	0306	0329	0317	N10	W24	.448	12352	21.3	23	-N	3 C		.27				F	6
681 CATA	23	1210	1250	1235	S14	W80	.984	12349	17.5	40	-F	C	1235	.29				(145)	5
682 BOUL	23	1346E	1358D	1350	S13	W79	.981	12349	17.6	120	-F	V	1350		.40				7
683 BOUL	23	1459E	1504D	1500U	S14	W80	.984	12349	17.6	50	-F	V	1500		1.30				7
685 HUAN	23	1624	1627	1624	S07	E32	.535	12357	26.1	3	-F	1 C	1624	.31	.37			E	6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS			
	DATE 1973 MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %				
					LAT.	MER. DIST.																
689 MITK	23	2352	0050	0020	S15	W90	1.000	12349	17.2	58	1N		C	0020	.83				D 5			
691 MITK	24	0128E	02080	0146	S15	W90	1.000	12349	17.3	400	1N		C	0146	1.03				OH 5			
692 PALE	24	0533	0538	0535	N10	W25	.461	12352	22.4	5	-N	3	C		.36				F 7			
GRP48693	24	0620	0646	0626	N15	W39	.669	12352	21.3	26	-F				1.18				2 2 2 9			
ABST	24	0617E	06520	0626	N15	W39	.669	12352	21.3	350	1F		P	0626	1.53	2.10			FKUW			
MANI	24	0623	0640	0625	N14	W39	.665	12352	21.3	17	-F	2		0625	.83	1.10			F			
697 CATA	24	0930	0955	0945	S14	W90	1.000	12349	17.6	25	1F		C	0945	.58			(126)	10			
698 KHAR	24	1055E	11140		S13	W90	1.000	12349	17.7	190	1F		V	1056			3.20		D 8			
700 PALE	24	1649	17200	1649	N10	W46	.734	12352	21.3	310	-F	2	C		.72				DE 4			
704 PALE	24	1953E	2000	1954U	S03	E07	.124	12357	25.4	70	-N	3	V		.15				DE 3			
708 PALE	25	0239	0247	0240	S03	E02	.043	12357	25.3	8	-N	3	V		.15				DE 6			
710 MANI	25	0624E	06370	0625U	N13	W56	.843	12352	21.1	130	-F	1		0625	.31	.53			7			
712 MANI	25	0742	0803	0747	S00	E00	.027	12357	25.3	21	-F	2		0747	.52	.52			F 10			
713 MONT	25	1030	1036	1033	N02	E11	.200	12359	26.3	6	-N		C	1033	.10				E 7			
714 MONT	25	1154	12390	1209	S04	W01	.046	12357	25.4	450	-N		C	1209	1.13				E 8			
GRP48715	25	1430	1449	1431	S06	W03	.094	12357	25.4	19	-F				.32				2 2 2 7			
RAMY	25	1427	1448	1431	S05	W01	.063	12357	25.5	21	-F	3	C		.23				DE			
CAPS	25	1433	1450		S07	W04	.118	12357	25.3	17	-F	3	V	1437	.40	.40	(155)					
716 RAMY	25	1522	1535	1529U	S01	W05	.088	12357	25.3	13	-F	3	C		.19				DE 7			
717 HUAN	25	1607	1615	1609	S03	W03	.058	12357	25.4	8	-F	2	C	1609	.26	.26			D 5			
719 PALE	25	1714E	1720	1715U	S04	W04	.082	12357	25.4	60	-F	4	V		.15				DE 3			
722 MANI	25	0014	0033	0020	N09	W60	.872	12352	21.5	19	-F	2		0020	.62	1.13			3			
GRP48725	25	0837	0846	0839	S02	W14	.242	12357	25.3	9	-F				.21				2 2 2 9			
MONT	25	0837	0846	0839	S01	W13	.225	12357	25.4	9	-F		C	0839	.10							
ARCE	25	0840E	08450		S02	W15	.259	12357	25.2	50	-N		P	0840	.32	.30						
726 MANI	25	0846	09080	0901	N11	W63	.898	12352	21.6	220	-N	2		0901	1.03	2.00			F 10			
GRP48727	25	1034	1042	1036	S01	W12	.208	12357	25.5	8	-F				.14				2 2 2 9			
TEHR	25	1033E	1041	1035	S01	W12	.208	12357	25.5	80	-F	4	V		.17				DE			
MONT	25	1034	1043	1037	S01	W11	.191	12357	25.6	9	-F		C	1037	.10							
728 TEHR	25	1234	1243	1236	S02	W14	.242	12357	25.5	9	-N	4	V		.25				DE 7			
729 TEHR	25	1359	1407	1401	S02	W14	.242	12357	25.5	8	-N	4	V		.17				DE 8			
730 PALE	25	1621E	1631	1622U	N17	W72	.958	12352	21.3	100	-F	1	C		.55				DE 7			
733 MANI	27	0337E	03440	0339	S05	W13	.233	12357	26.2	70	-F	2		0339	.41	.42			FH 5			
734 ABST	27	0530E	06000	0532	S07	W22	.385	12357	25.6	300	-F		P	0532	.99	1.10			D 7			
736 ATHN	27	0735E	0755	0735U	S06	W15	.270	12357	26.2	200	-F	3	V		.99				F 7			
739 RAMY	27	1223E	1230		N15	W80	.987	12352	21.5	70	-N	4	V						DE 9			
740 HUAN	27	1239	1249	1240	S01	W34	.559	12357	25.0	10	-F	1	C	1240	.21	.25			D 8			
741 HUAN	27	1301	1307	1304	S01	W34	.559	12357	25.0	6	-F	1	C	1304	.21	.25			D 8			
GRP48744	27	1520	1530	1526	S06	W21	.366	12357	26.1	10	-F				.36				2 2 2 6			
CAPS	27	1515	1530		S05	W19	.331	12357	26.2	15	-F	3	V	1519	.40	.40	(155)		C			
HUAN	27	1524	1529	1526	S06	W22	.382	12357	26.0	5	-F	1	C	1526	.31	.33						
746 PALE	27	1644	1652	1646	S01	W34	.559	12357	25.1	8	-F	3	C		.36				F H 6			
747 PALE	27	1644	1709	1649	S04	W21	.361	12357	26.1	25	-F	3	C		.55				F 6			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE MAY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %			
					LAT.	MER. DIST.														
749 MANI	28	0033	0103	0049	S01	W38	.616	12357	25.2	30	-F	2	0049	.41	.52			3		
750 MANI	28	0056	0106	0059	N12	E18	.378	12360	29.4	10	-N	2	0059	.72	.77			4		
751 KODA	28	0310	0318	0310	S02	W41	.656	12357	25.1	8	-N	V	0310			1.68	D	6		
752 MANI	28	0459	0511	0504	S01	W41	.656	12357	25.1	12	-F	2	0504	.31	.41			5		
753 ABST	28	0634	0650	0639	N17	W07	.333	12364	27.7	16	-F	C	0639	.81	.90		D	8		
754 RAMY	28	1115	1129	1120	S01	W45	.707	12357	25.1	14	-F	4	C		.46		DE	7		
756 RAMY	28	1247	1308	1254	S06	W32	.534	12357	26.1	21	-F	4	C		.65		DE	8		
758 UPIO	28	1631	1648	1634	N01	W47	.732	12357	25.2	17	-F	P	1634	.21				8		
759 RAMY	28	1712	1730	1717	S01	W48	.743	12357	25.1	180	-F	3	V		.46		DE	8		
764 RAMY	29	1131	1204	1138	N17	W23	.485	12364	27.8	33	-F	3	C		.65		DE	6		
765 RAMY	29	1220	1235	1230	N18	W24	.505	12364	27.7	150	-F	3	V		.31		DE	6		
767 RAMY	29	1517	1548	1522	N17	W27	.532	12364	27.6	31	-N	4	C		.65		DE	6		
768 RAMY	29	1735	1750	1738	N17	W27	.532	12364	27.7	15	-F	4	V		.28		DE	5		
769 HUAN	29	1801	1802		N16	W28	.537	12364	27.7	10	-F	1	P	1802				5		
771 PALE	30	0435E	0446D	0437	N14	E53	.815	12374	3.2	110	-F	1	V		.31		DE	6		
773 ATHN	30	0656	0705	0657	N16	W41	.693	12364	27.2	9	-N	3	C		.50		DE H	7		
774 MANI	30	0814	0823	0816	N16	W38	.658	12364	27.5	9	-N	2	0816	.41	.55			7		
775 ARCE	30	0910E	0915D		N16	W40	.682	12364	27.4	50	-N	C	0915	.32	.40			9		
776 RAMY	30	1115E	1120	1115U	N16	W40	.682	12364	27.5	50	-F	4	V		.52		DE	6		
777 RAMY	30	1156	1221	1157	N17	W38	.663	12364	27.6	25	-F	3	C		.37		DE	6		
778 PALE	30	1657	1708	1658	N17	W40	.686	12364	27.7	11	-F	3	C		.27		DE	4		
781 ATHN	31	0352E	0404	0352U	N15	W68	.934	12367	26.1	120	-N	2	V		.66		F	5		
GRP48782	31	1324	1334	1326	N21	W81	.990	12367	25.5	10	-F			.26			2	2	2	8
ATHN	31	1323	1333	1326	N21	W82	.992	12367	25.4	10	-F	3	C	.33			DE			
RAMY	31	1324	1335D	1325	N21	W80	.988	12367	25.6	110	-F	3	C	.19			DE			
RAMY	31	1326E	1336D	1326U	N21	W80	.988	12367	25.6	100	-F	4	V	.19			DE			