

SOLAR FLARES

Confirmed

SEPTEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. MER. DIST.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %	
					LAT.	DIST.													
950 CRON	01	0150	0200	0151	N17	E57	.833	10918	5.4	10	--F	<	V	.21					2
GRP32955	01	0911	0934	0913	N14	W62	.876	10903	27.7	23	-N			1.02					7 7 7 10
CATA	01	0910E	0920D	0915	N18	W63	.884	10903	27.7	100	1N			0915	1.27	2.91		170	
HTPR	01	0910	0925	0912	N13	W65	.900	10903	27.5	15	-N		C	0912	.72	1.40			
TEHR	01	0910	0943	0913	N15	W63	.884	10903	27.7	33	-N			0913	.83	1.26			
CANR	01	0911	0935D	0913	N14	W62	.876	10903	27.7	24D	-N	<	C	0913	.54	1.13			
MONT	01	0911E	0929D	0913	N15	W59	.851	10903	28.0	18D	-N		C	0913	2.27				
CAPS	01	0912E	0922D		N10	W60	.860	10903	27.9	100	-F	3	V	0915	.80	1.40		152	CH
CRON	01	0915	0940		N16	W65	.899	10903	27.5	25	-F	<	V	.72					
GRP32958	01	1218	1237	1226	N25	E90	.999	10922	8.3	19	-N			1.24					5 5 3 11
MONT	01	1214E	1225D	1223	N23	E90	.999	10922	8.3	110	1N		C	1223	2.58				
HTPR	01	1215	1240		N22	E90	.999	10922	8.3	25	-F		C						
TEHR	01	1221	1238	1223	N25	E90	.999	10922	8.3	17	-N			1223	.45				
MOMA	01	1222	1230	1226	N27	E90	.998	10922	8.3	8	-N		C	1226					E
CATA	01	1232E	1240D	1232	N27	E90	.998	10922	8.3	80	1F			1232	.69			148	
GRP32963	01	1646	1703	1649	N22	E31	.550	10913	4.0	17	--N			.39					2 2 2 5
RAMY	01	1644	1657D	1648	N21	E32	.557	10913	4.1	13D	-N		C	.46					
BOUL	01	1648	1703	1650	N22	E30	.537	10913	4.0	15	-N	2	C	1650	.32	.39			
GRP32964	01	2137	2153	2142	N20	E18	.369	10913	3.3	16	--N			.58					3 3 2 3
PALE	01	2134	2157	2143	N20	E19	.382	10913	3.3	23	-N		C	.63					F
LOCK	01	2137	2151	2142	N21	E18	.378	10913	3.3	14	-F		C						
MOMA	01	2140	2150	2141	N20	E19	.382	10913	3.3	10	-N		C	2141	.52	.60			E
PALE	01	2154	2218	2208	N19	E13	.297	10913	2.9	24	-N		C	.36					
965 PALE	01	2213	2245	2219	N20	E90	.999	10922	8.7	32	--N		C	.22					DEH 3
GRP32966	01	2256	2331	2308	N22	E16	.365	10913	3.2	35	--F			.54					2 2 2 5
PALE	01	2251	2341	2308	N22	E17	.376	10913	3.2	50	-N		C	.45					
CRON	01	2301	2320		N22	E15	.354	10913	3.1	19	-F	2	V	.62					
GRP32973	02	0439	0511	0442	S05	E17	.357	10915	3.5	32	--N			.80					4 3 3 6
TEHR	02	0435	0518	0440	S06	E18	.379	10915	3.5	43	-N			0440	.83	.82			
CRON	02	0435	0520	0438	S06	E16	.354	10915	3.4	45	-N	<	C	0438	.66	.69			
TACH	02	0446	0455	0448	S04	E16	.334	10915	3.4	9	-B		C	0448	.91	.97	1.75	104	E
ABSI	02	0500E	0525	0500	S05	E16	.344	10915	3.4	25D	-N		P	0500	1.35	1.40		60	E
GRP32974	02	0444	0511	0453	N23	E79	.975	10922	8.1	27	1F			.87					3 3 3 6
CULG	02	0441	0524	0453	N24	E76	.963	10922	7.9	43	1N		C	0453	1.13				R
CRON	02	0443	0500		N21	E80	.979	10922	8.2	17	1F	<	V	.93					
TEHR	02	0447	0510	0452	N25	E80	.978	10922	8.2	23	-F			0452	.55	1.25			
GRP32975	02	0504	0536	0506	N20	E13	.308	10913	3.2	32	--N			.76					3 3 3 6
TEHR	02	0503	0532	0506	N19	E14	.309	10913	3.3	29	-N			0506	.36	.36			
ABSI	02	0504	0540	0506	N21	E13	.320	10913	3.2	36	-N		C	0506	.90	.90		58	FH
CRON	02	0505	0535		N20	E13	.308	10913	3.2	30	-N	<	V	1.03					
GRP32980	02	0838	0850	0841	N20	E89	.998	10922	9.0	12	1N			1.09					5 5 4 10
HTPR	02	0837	0850	0842	N19	E90	.999	10922	9.1	13	1N		C						
TEHR	02	0838	0856	0841	N21	E90	.999	10922	9.1	18	-N			0841	.73				
CRON	02	0838	0847	0840	N21	E84	.990	10922	8.7	9	1N	<	C	0840	.66	2.12			
MONT	02	0839E	0849D	0842	N21	E90	.999	10922	9.1	10D	-N		C	0842	2.06				
CRIM	02	0839E	0848D	0840	N20	E90	.999	10922	9.1	9D	1N		C	0840	.90				DV
GRP32983	02	1025	1051	1029	N19	E10	.264	10913	3.2	26	--F			.86					4 4 4 7
HTPR	02	1023	1040	1026	N20	E12	.297	10913	3.3	17	-F		C	1026	.72	.80			
TEHR	02	1024	1044	1032	N19	E10	.264	10913	3.2	20	-F			1032	.64	.63			
MONT	02	1024E	1121D	1027	N20	E10	.277	10913	3.2	57D	-N		C	1027	1.86				
CANR	02	1029	1040	1032	N18	E07	.221	10913	3.0	11	-F	1	C	1032	.22	.22			
GRP32985	02	1047	1114	1057	N21	E90	.999	10922	9.2	27	-N			.89					4 4 2 10
TEHR	02	1043	1112	1053	N21	E90	.999	10922	9.2	29	-N			1053	.64				
MONT	02	1048E	1108D	1101	N21	E88	.997	10922	9.1	20D	-N		C	1101	1.13				
HTPR	02	1050	1110		N19	E90	.999	10922	9.2	20	-F		C						
RAMY	02	1102E	1121		N23	E90	.999	10922	9.2	19D	1N		C						
GRP32987	02	1257	1304	1258	N23	E84	.990	10922	8.8	7	--F			.22					4 4 2 11
CANR	02	1256	1308	1258	N25	E81	.981	10922	8.6	12	-F	1	C	1258	.22	.67			
BOUL	02	1257	1301	1258	N23	E84	.990	10922	8.8	4	-N	<	C	1258	.22	.73			
MOMA	02	1257	1302	1258	N21	E87	.996	10922	9.1	5	-N		C						
RAMY	02	1257	1305	1259	N21	E85	.992	10922	8.9	8	-F		C						D

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER- DIST.	CENTRAL DISTANCE	MEMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
33024	03	1320	1342	1330	N18	E03	.194	10913	3.8	22	*-N							2 2 2 13
CATA	03	1320	1345	1330	N18	E03	.194	10913	3.8	25	-N			1330	.57	.54		195
CANR	03	1320	1338		N18	E02	.190	10913	3.7	18	-N	3	V		.62	.60		
GRP33026	03	1331	1345	1334	N17	E23	.415	10918	5.3	14	--F				.40			3 3 3 13
CANR	03	1330	1342	1333	N17	E25	.443	10918	5.4	12	-N	3	V	1334	.52	.60		
BOUL	03	1331	1347	1334	N18	E23	.420	10918	5.3	16	-F	2	C		.43	.47		
RAMY	03	1332	1347	1335	N17	E21	.386	10918	5.1	15	-F				.26			
GRP33030	03	1540	1556	1542	N09	W86	.996	10903	28.2	16	--F				.22			2 2 2 6
BOUL	03	1539	1556	1543	N09	W83	.990	10903	28.4	17	-F	2	C	1543	.22	.73		
RAMY	03	1540	1555	1541	N09	W89	.999	10903	28.0	15	-F				.21			
GRP33033	03	1635	1654	1640	N09	W86	.996	10903	28.2	19	--F				.22			2 2 2 2
CANR	03	1634E	1654	1640	N10	W83	.990	10903	28.5	20D	-N	2	C	1640	.22	.71		
RAMY	03	1636	1654	1639	N08	W89	.999	10903	28.0	18	-F				.21			
GRP33034	03	1636	1708	1643	N18	E03	.194	10913	3.9	32	--F				.42			2 2 2 3
CANR	03	1635	1706	1645	N18	E02	.190	10913	3.8	31	-N	2	C	1645	.43	.43		
RAMY	03	1636	1710	1640	N18	E03	.194	10913	3.9	34	-F				.41			
GRP33035	03	1652	1756	1711	N19	W01	.205	10913	3.6	64	--N				.77			3 3 3 3
PALE	03	1647E	1735D	1713	N19	W01	.205	10913	3.6	48D	-N				1.01			F
CANR	03	1654	1756	1713	N19	W01	.205	10913	3.6	62	-B			1713	1.08	1.08		
CANR	03	1654	1756	1708	N19	W01	.205	10913	3.6	62	-B	2	C	1708	1.08	1.08		
RAMY	03	1656	1755	1706	N18	W02	.190	10913	3.6	59	-N				.21			
GRP33036	03	1725	1901	1725	N19	E00	.204	10913	3.7	96	--N				.79			2 2 2 5
BOUL	03	1725E	1901	1725E	N18	E00	.187	10913	3.7	96D	-N	2	C	1725	.86	.86		
MCMA	03	1731E	1734D		N19	E00	.204	10913	3.7	3D	-N			1731	.72	.70		E
GRP33037	03	1801	1811	1806	N24	E74	.954	10922	9.3	10	--F				.24			2 2 2 4
BOUL	03	1800	1810	1805	N24	E75	.958	10922	9.4	10	-F	2	C	1805	.22	.57		
RAMY	03	1801	1812	1806	N23	E78	.971	10922	9.6	11	-F				.26			
RAMY	03	1811	1823	1814	N24	E68	.921	10922	8.9	12	-F				.21			
038 RAMY	03	1850	1904	1852	N18	E19	.365	10918	5.2	14	--N				.36			3
GRP33039	03	2025	2039	2030	N19	W01	.205	10913	3.8	14	--F				.42			2 2 2 3
BOUL	03	2025	2037	2030	N19	W01	.205	10913	3.8	12	-N	1	C	2030	.32	.32		
MCMA	03	2028E	2040D		N19	W01	.205	10913	3.8	12D	-F			2029	.52	.50		E
GRP33046	03	2304	2316	2306	N19	E16	.334	10918	5.2	12	--F				.24			2 2 2 4
BOUL	03	2304	2318	2306	N18	E17	.338	10918	5.2	14	-N	2	C	2306	.22	.23		
PALE	03	2305E	2314	2305E	N20	E14	.320	10918	5.0	9D	-F				.26			F
GRP33049	04	0003	0021	0006	N19	E19	.373	10918	5.4	18	--N				.85			4 4 3 5
LOCK	04	0002	0020	0007	N18	E19	.365	10918	5.4	18	-N							
CRON	04	0003	0014	0005	N18	E19	.365	10918	5.4	11	-N	2	C	0005	.66	.69		
BOUL	04	0003	0018	0006	N20	E19	.381	10918	5.4	15	-N	1	C	0006	.64	.69		
PALE	04	0005E	0030	0007	N18	E19	.365	10918	5.4	25D	-N				1.26			F
GRP33054	04	0405	0425	0408	N19	E18	.360	10918	5.5	20	--N				.52			2 1 1 4
PALE	04	0405	0425	0408	N19	E18	.360	10918	5.5	20	-N				.52			DE
CRON	04	0418U	0428	0422	N18	E16	.325	10918	5.4	10D	-N	1	C	0422	.56	.57		
GRP33056	04	0612	0626	0616	N18	E13	.286	10918	5.2	14	--N				.59			4 4 3 6
CRON	04	0612	0630	0613U	N18	E13	.286	10918	5.2	18	-F	1	C	0613	.11	.11		
ISTA	04	0612	0621		N17	E15	.302	10918	5.4	9	-N							
HTPR	04	0613	0623	0616	N18	E10	.251	10918	5.0	10	-N			0616	1.13	1.20		
CATA	04	0615E	0630D	0620	N17	E14	.289	10918	5.3	15D	-N			0620	.52	.55		188
GRP33057	04	0644	0655	0645	N12	E11	.205	10918	5.1	11	--F				.26			3 3 2 8
CRON	04	0642	0654	0644	N13	E11	.212	10918	5.1	12	-F	1	C	0644	.22	.21		
ISTA	04	0644	0650		N11	E11	.199	10918	5.1	6	-F							
CATA	04	0645	0700	0645	N13	E10	.198	10918	5.0	15	-N			0645	.29	.30		158
GRP33062	04	0919	0959	0933	N20	E12	.297	10918	5.3	40	--F				.32			3 2 1 7
TEHR	04	0917	1003	0920	N19	E12	.285	10918	5.3	46	-N			0920		.22		
BUCA	04	0920	0955		N20	E12	.297	10918	5.3	35	-F			0930	.32	.30		E
CATA	04	0940E	0950D	0945	N19	E12	.285	10918	5.3	10D	-N			0945	.87	.91		162
GRP33063	04	1017	1030	1021	N12	W90	1.000	10903	28.7	13	--N				.21			3 3 1 10
TEHR	04	1017	1030	1021	N12	W90	1.000	10903	28.7	13	-N			1021				
HTPR	04	1017E	1026D		N12	W90	1.000	10903	28.7	9D	-N							
MONT	04	1018E	1026D	1021	N11	W90	1.000	10903	28.7	8D	-N			1021	.21			

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	DATE 1970 SEP	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.													
GRP33106	05	1532	1610	1538	N23	E39	.651	10922	8.6	38	1B							7 7 6 7	
HTPR	05	1529	1615	1539	N22	E40	.659	10922	8.6	46	2B		1539	4.43	5.60			UDE	
RAMY	05	1532	1630	1538	N23	E40	.663	10922	8.6	58	1B			3.20					
BOUL	05	1532	1603	1535	N23	E40	.663	10922	8.6	31	1B	2	1535	1.72	2.31				
LOCK	05	1532	1615	1537	N23	E38	.639	10922	8.5	43	1B								
CANR	05	1533	1601	1536U	N24	E39	.655	10922	8.6	28	1B	1	1536	2.36	3.19			FH	
MCMA	05	1534	1600	1537	N23	E38	.639	10922	8.5	26	1B		1537	2.32	3.10				
CATA	05	1535	1605	1544	N24	E39	.655	10922	8.6	30	1B		1544	3.01	4.06		246		
4 STATIONS REPORTING GROUP 33108. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP33108	05	1646	1740	1701	N14	W01	.119	10918	5.6	54	--F			1.26				2 2 2 6	
PALE	05	1642E	1730	1705U	N14	W01	.119	10918	5.6	48D	-N			1.17					
RAMY	05	1649	1715D	1656	N14	E00	.118	10918	5.7	26D	-F			1.34				UDE	
PALE	05	1725	1750	1730	N13	W02	.106	10918	5.6	25	-N			.55					
33108	05	1620	1658	1625	N16	W02	.156	10918	5.5	38	*-F			.32				2 2 1 6	
LOCK	05	1619	1720	1625	N16	W02	.156	10918	5.5	61	-F								
CANR	05	1621	1635	1625	N16	W01	.153	10918	5.6	14	-F	2	1625	.32	.32				
GRP33111	05	1752	1837	1759	N15	W04	.151	10918	5.4	45	--F			.77				3 3 2 4	
PALE	05	1749	1830	1800	N15	W08	.191	10918	5.1	41	-F			.91				DE	
MCMA	05	1751	1900D	1757	N14	W01	.119	10918	5.7	69D	-N		1757	.62	.60			EKJ	
LOCK	05	1756	1820	1800	N16	W02	.156	10918	5.6	24	-F								
33111	05	1818	1845	1823	N13	W03	.113	10918	5.5	27	*-F			.45				2 2 1 3	
LOCK	05	1817	1835	1824	N12	W03	.098	10918	5.5	18	-F								
PALE	05	1818	1854D	1821	N13	W03	.113	10918	5.5	36D	-N			.45					
GRP33112	05	1914	1939	1918	N17	W28	.485	10913	3.7	25	--F			.52				2 2 1 3	
LOCK	05	1913	1938	1917	N18	W28	.490	10913	3.7	25	-F							E	
MCMA	05	1914	1940	1918	N15	W27	.463	10913	3.8	26	-N		1918	.52	.50				
GRP33113	05	1952	2028	2004	N16	W28	.481	10913	3.7	36	--F			.62				2 2 1 4	
LOCK	05	1952	2015	2000	N17	W25	.443	10913	4.0	23	-F								
MCMA	05	2000E	2040	2008	N15	W30	.506	10913	3.6	40D	-F		2008	.62	.60			EK	
GRP33114	05	2047	2106	2050	N14	W10	.207	10918	5.1	19	--F			.49				3 3 2 5	
LOCK	05	2042	2057	2048	N15	W10	.216	10918	5.1	15	-F								
RAMY	05	2045	2100	2047	N14	W09	.193	10918	5.2	15	-F			.62				DE	
PALE	05	2053	2120	2055	N13	W11	.212	10918	5.0	27	-N			.36					
GRP33116	05	2330	2353	2339	N23	E29	.530	10922	8.2	23	--F			.73				3 3 2 5	
PALE	05	2320	2355	2339	N23	E27	.505	10922	8.0	35	-N			.83				F	
LOCK	05	2335	2345	2338	N24	E28	.524	10922	8.1	10	-F								
CRON	05	2336	2358		N21	E32	.557	10922	8.4	22	-F	2		.62					
GRP33117	06	0006	0027	0013	N19	W28	.494	10913	3.9	21	--F			.91				2 2 2 5	
CRON	06	0000	0031		N20	W28	.500	10913	3.9	31	-F	2		1.55				F	
PALE	06	0011	0022	0013	N18	W28	.490	10913	3.9	11	-F			.27					
GRP33120	06	0211	0245	0218	N24	E28	.518	10922	8.2	34	--F			.55				3 3 3 4	
PALE	06	0203	0306	0219	N25	E29	.543	10922	8.3	63	-F			.60					
PALE	06	0203	0306	0205	N25	E29	.543	10922	8.3	63	-F			.27					
CRON	06	0215	0230D	0218	N24	E26	.500	10922	8.0	15D	-F	1	0218	.44	.50				
MITK	06	0216	0225	0217	N24	E27	.512	10922	8.1	9	-F		0217	.62	.70			D	
CRON	06	0217	0243		N23	E28	.518	10922	8.2	26	-F	2		.72					
GRP33124	06	0413	0438	0418	N14	W15	.279	10918	5.1	25	-N			1.00				5 5 5 6	
CRON	06	0411	0420D	0417U	N13	W15	.273	10918	5.0	9D	-N	1	0417	1.33	1.29				
TACH	06	0413	0432	0418	N14	W15	.279	10918	5.1	19	-B		0418	1.09	1.14	2.40	99	E	
MITK	06	0413	0421D	0418	N13	W15	.273	10918	5.1	8D	-N		0418	1.24	1.30			E	
TEHR	06	0413	0444	0417	N13	W15	.273	10918	5.1	31	-N		0417	.73	.72				
PALE	06	0414	0429D	0418	N14	W14	.264	10918	5.1	15D	-N			.63				DE	
TEHR	06	0444	0514	0452	N19	W16	.334	10918	5.0	30	-F		0452	.36	.36				
GRP33126	06	0648	0713	0655	N24	E25	.488	10922	8.2	25	--F			.85				4 4 3 8	
ISTA	06	0647	0720		N22	E27	.499	10922	8.3	33	-F								
HTPR	06	0648	0710	0651	N24	E22	.453	10922	7.9	22	-F		0651	.52	.70				
CAPS	06	0648E	0710D		N25	E25	.496	10922	8.2	22D	-F	3	0650	.90	1.10			147	
MONT	06	0650E	0712D	0658	N24	E26	.500	10922	8.2	22D	-F		0658	1.13					

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP33127	06	0653	0713	0657	N18	W15	.311	10918	5.2	20	-N							8 8 7 9
MONT	06	0650E	0721D	0658	N20	W15	.331	10918	5.2	31D	1N	C	0658	1.08				
ISTA	06	0650	0714		N21	W09	.280	10918	5.6	24	-N							
TEHR	06	0651	0713	0657	N17	W14	.289	10918	5.2	22	-F		0657	.91	.90			
HTPR	06	0653	0712	0657	N18	W14	.299	10918	5.2	19	-N	C	0657	.62	.60			
CAPS	06	0654E	0711D		N20	W13	.308	10918	5.3	17D	-F	S V	0658	1.00	1.10		142	
MANI	06	0655E	0712D		N21	W17	.365	10918	5.0	17D	-N	1	0655	.41	.44			
CATA	06	0655	0715	0655	N20	W16	.343	10918	5.1	20	-B		0655	.69	.73		229	
CATA	06	0655	0715	0655	N13	W17	.304	10918	5.0	20	-N		0655	.58	.62		174	
ISTA	06	0655	0710		N13	W17	.304	10918	5.0	15	-F							
CRON	06	0700E	0709	0700	N17	W16	.316	10918	5.1	9D	-N	1 C	0700	.77	.79			
GRP33135	06	1122	1152	1129	N19	W17	.347	10918	5.2	30	--N			.44				6 6 6 8
BUCA	06	1117	1220		N20	W17	.356	10918	5.2	63	-N	C	1124	.32	.30			
CANR	06	1122	1136	1126	N19	W19	.373	10918	5.0	14	-N	1 C	1126	.54	.58			
TEHR	06	1123	1149	1126	N19	W14	.309	10918	5.4	26	-N		1126	.36	.36			
HTPR	06	1123	1144	1130	N18	W14	.299	10918	5.4	21	-F	C	1130	.62	.60			
RAMY	06	1124	1149	1130	N20	W18	.368	10918	5.1	25	-N	C		.31				
CATA	06	1125	1155	1135	N20	W20	.394	10918	5.0	30	-N		1135	.46	.51		195	
GRP33140	06	1418	1433	1420	N17	W16	.316	10918	5.4	15	-N			1.16				8 8 8 9
TEHR	06	1417	1429	1420	N17	W17	.330	10918	5.3	12	-B		1420	1.19	1.17			
RAMY	06	1417	1432	1421	N17	W16	.316	10918	5.4	15	-B	C		1.03				
CANR	06	1418	1429	1420	N17	W17	.330	10918	5.3	11	-N	1 C	1420	1.40	1.44		F	
LOCA	06	1418	1430	1420	N16	W17	.322	10918	5.3	12	-N	V	1420	.95	1.00			
HUAN	06	1419	1432	1420	N16	W17	.322	10918	5.3	13	-N	1 C	1420	1.00	1.00		E	
HTPR	06	1419	1435	1420	N16	W16	.308	10918	5.4	16	1N	C	1420	2.06	2.10			
CAPS	06	1419E	1432D		N19	W15	.321	10918	5.5	13D	-N	S V	1422	.60	.70		170	
CAPS	06	1419E	1432D		N20	W13	.308	10918	5.6	13D	-N	S V	1422	.60	.70		170	
CATA	06	1420	1445	1420	N17	W17	.330	10918	5.3	25	-N		1420	1.04	1.11		194	
GRP33141	06	1509	1526	1513	N19	W42	.675	10913	3.5	17	--F			.83				2 2 1 7
RAMY	06	1508	1531	1512	N19	W41	.663	10913	3.6	23	-F	C		.83				
LOCK	06	1510	1520	1513	N18	W42	.673	10913	3.5	10	-F	C						
GRP33144	06	1723	1745	1731	S27	W27	.683	10926	4.7	22	--F			.62				2 2 1 3
LOCK	06	1726	1745	1730	S27	W28	.691	10926	4.6	25	-F	C						
RAMY	06	1726	1738D	1731	S26	W26	.666	10926	4.8	12D	-N	C		.62				
GRP33145	06	1800	1831	1805	N19	W41	.663	10913	3.7	31	--F			.51				4 3 2 4
RAMY	06	1800	1831	1807	N21	W40	.656	10913	3.8	31	-F	C		.52				
LOCK	06	1800	1830	1805	N19	W41	.663	10913	3.7	30	-F	C						
HUAN	06	1800	1819D	1802	N18	W41	.660	10913	3.7	19D	-N	2 C	1802	.50	.70		E	
PALE	06	1820E	1841D	1822U	N21	W39	.644	10913	3.8	21D	-F	C		.45			F	
GRP33146	06	1832	1841	1836	N18	W19	.365	10918	5.3	9	--F			.32				2 2 1 4
PALE	06	1832	1841D	1836	N18	W19	.365	10918	5.3	9D	-F	C		.32				
RAMY	06	1834E	1834D		N17	W18	.344	10918	5.4		-F	C						
147 PALE	06	1859E	1904	1859E	N21	W39	.644	10913	3.9	5D	--F	C		.47				F 3
148 RAMY	06	1900	1910	1903	S17	E78	.987	10929	12.6	10	--F	C						F 3
GRP33149	06	1906	1921	1908	N23	E18	.397	10922	8.1	15	--F			.29				2 2 2 3
PALE	06	1905	1920	1908	N23	E17	.386	10922	8.1	15	-N	C		.27				
RAMY	06	1906	1921	1908	N23	E19	.409	10922	8.2	15	-F	V		.31				
151 PALE	06	1925	1948	1927	N17	W33	.554	10913	4.3	23	--F	C		.23				F 3
152 LOCK	06	2049	2100	2054	S07	E29	.533	10925	9.0	11	--F	C						2
153 PALE	06	2135E	2142D	2135E	S08	W50	.789	10915	3.1	7D	--N	C		.27				DE 3
GRP33157	07	0025	0031	0027	N18	W44	.696	10913	3.7	6	--F			.27				2 2 1 6
LOCK	07	0024	0029	0026	N17	W44	.695	10913	3.7	5	-F	C						
PALE	07	0025	0032	0027	N18	W43	.685	10913	3.8	7	-F	C		.27				F
158 PALE	07	0038	0053	0043	N19	W28	.494	10918	4.9	15	-N	C		.99				DE 4
GRP33161	07	0218	0232	0227	N19	W30	.521	10918	4.8	14	--F			.49				2 2 2 3
MANI	07	0218E	0231		N19	W30	.521	10918	4.8	13D	-F	1	0219	.62	.73			
PALE	07	0227E	0233	0227E	N18	W30	.517	10918	4.9	6D	-N	C		.36				F
GRP33168	07	0609	0622	0613	S10	E26	.517	10925	9.2	13	--F			.73				3 3 2 8
HTPR	07	0608	0625	0611	S08	E22	.450	10925	8.9	17	-F	C	0611	.93	1.00			
TEHR	07	0609	0617		S12	E34	.628	10925	9.8	8	-N							
MANI	07	0610	0624	0614	S10	E23	.480	10925	9.0	14	-F	2	0614	.52	.63			

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.													
GRP33169	07	0622	0637	0624	N19	W32	.548	10918	4.9	15	--N							5 4 3 9	
CRON	07	0621	0637	0624	N19	W33	.561	10918	4.8	16	-N	1	C	0624	.22	.26			
MANI	07	0622E	0638	0624	N20	W32	.552	10918	4.9	16D	-N	1	C	0624	.41	.50		D	
HTPR	07	0622	0635	0624	N18	W34	.571	10918	4.7	13	-N		C	0624	.31	.50			
TEHR	07	0622	0637	0624	N18	W21	.392	10918	5.7	15	-N			0624					
ISTA	07	0623E	0627D		N17	W28	.485	10918	5.2	4D	-F								
GRP33170	07	0622	0815	0756	S10	W57	.860	10915	3.0	113	-B				1.13			3 2 1 12	
ISTA	07	0622E	0815		S10	W57	.860	10915	3.0	113D	-B								
ONDR	07	0652E	0706D		S09	W56	.849	10915	3.1	14D	-N	V	C	0653			3.10	CDJ	
MONT	07	0746E	0811D	0756	S07	W55	.836	10915	3.2	25D	-F		C	0756	1.13				
GRP33172	07	0830	0844	0833	N18	W34	.571	10918	4.8	14	--F				.53			3 3 3 13	
HTPR	07	0829	0840	0834	N18	W35	.584	10918	4.7	11	-F		C	0834	.72	.90			
CRON	07	0830	0848	0835U	N19	W34	.574	10918	4.8	18	-F	1	C	0835	.22	.26			
ARCE	07	0830	0845D	0830	N17	W33	.554	10918	4.9	15D	-F		P	0830	.66	.80			
GRP33176	07	1034	1058	1036	N17	W50	.763	10913	3.7	24	--N				.27			3 3 3 10	
RAMY	07	1031E	1106	1032U	N18	W49	.753	10913	3.8	35D	-N		C		.36				
CATA	07	1035E	1045	1040	N16	W53	.793	10913	3.5	10D	-N			1040	.23	.39	182		
MEUD	07	1035	1038	1035	N18	W52	.785	10913	3.5	3	-F		C	1035	.21	.30		D	
MEUD	07	1101	1103	1102	N18	W47	.731	10913	3.9	2	-F		C	1102	.21	.30		D	
GRP33177	07	1108	1133	1111	S08	W58	.864	10915	3.1	25	-N				1.19			16 10 10 11	
RAMY	07	1105	1134	1109	S08	W58	.864	10915	3.1	29	-B		C		.83				
BUCA	07	1105	1220		S09	W58	.866	10915	3.1	75	-N		C	1116	.81	1.60		E	
HTPR	07	1106	1130	1111	S08	W58	.864	10915	3.1	24	-N		C	1111	.83	1.60			
MEUD	07	1107	1125	1110	S08	W58	.864	10915	3.1	18	1N		C	1110	1.13	2.20		E	
TEHR	07	1108	1131	1109	S09	W58	.866	10915	3.1	23	-N			1109	.28	.41			
CAPS	07	1108E	1146D		S08	W56	.847	10915	3.3	38D	1N	3	V	1113	2.00	4.00	182	C	
WEND	07	1109E	1132D		S07	W58	.862	10915	3.1	23D	1N		V		4.13			B	
HERS	07	1110E	1125	1112	S09	W59	.875	10915	3.0	15D	-N		P	1111	.74	1.50		E	
CATA	07	1110	1135	1110	S09	W57	.858	10915	3.2	25	-B			1110	.69	1.39	204		
CANR	07	1114E	1139	1117U	S09	W60	.883	10915	3.0	25D	-N	1	C	1117	.43	.91			
GRP33183	07	1451	1505	1454	N13	W36	.586	10918	4.9	14	--N				.41			4 4 4 9	
BOUL	07	1450	1459U	1453	N13	W36	.586	10918	4.9	9D	-N	2	C	1453	.54	.67			
RAMY	07	1451	1508	1454	N12	W36	.585	10918	4.9	17	-N		C		.36				
MEUD	07	1452	1500	1453	N14	W36	.587	10918	4.9	8	-N		C	1453	.31	.40		D	
HTPR	07	1452	1506	1455	N13	W35	.572	10918	5.0	14	-N		C	1455	.41	.60		D	
GRP33184	07	1512	1525	1516	N17	W37	.607	10918	4.9	13	--F				.63			3 3 3 10	
RAMY	07	1510	1530	1515	N18	W37	.610	10918	4.9	20	-F		C		.52				
BOUL	07	1511	1524	1515	N19	W37	.613	10918	4.9	13	-F	2	C	1515	.43	.55			
HTPR	07	1514	1522	1518	N18	W38	.623	10918	4.8	8	-F		C	1518	.93	1.10			
BOUL	07	1529	1541	1533	N12	W33	.543	10918	5.2	12	-N	2	C	1533	.11	.13			
GRP33187	07	1534	1543	1537	N17	W52	.784	10913	3.7	9	--F				.35			3 3 3 10	
BOUL	07	1533	1543	1536	N17	W52	.784	10913	3.7	10	-N	2	C	1536	.43	.70			
MEUD	07	1535	1540	1537	N18	W52	.785	10913	3.7	5	-F		C	1537	.31	.50			
RAMY	07	1535	1546	1538	N17	W51	.773	10913	3.8	11	-F		C		.31				
GRP33188	07	1703	1715	1706	N17	W57	.833	10913	3.4	12	--N				.33			6 6 6 7	
BOUL	07	1702	1716	1704	N16	W58	.842	10913	3.4	14	-B	2	C	1704	.54	.98			
RAMY	07	1702	1717	1706	N17	W57	.833	10913	3.4	15	-N		C		.26				
MEUD	07	1703	1710	1705	N18	W57	.833	10913	3.4	7	-N		C	1705	.31	.50		D	
HTPR	07	1703	1716	1705	N16	W55	.813	10913	3.6	13	-N		C	1705	.41	.80			
CANR	07	1703	1715	1704	N15	W57	.832	10913	3.4	12	-N	1	C	1704	.32	.58			
PALE	07	1712E	1718	1713U	N18	W56	.824	10913	3.5	6D	-N		C		.13			H	
GRP33191	07	1819	1829	1821	N17	W58	.842	10913	3.4	10	--N				.23			2 2 2 4	
PALE	07	1817	1832	1821	N18	W56	.824	10913	3.6	15	-N		C		.13			H	
BOUL	07	1820	1825	1821	N16	W59	.851	10913	3.3	5	-N	2	C	1821	.32	.59			
GRP33192	07	1842	1908	1849	N20	W33	.565	10918	5.3	26	--N				.70			4 4 4 4	
BOUL	07	1840	1918	1846	N19	W32	.548	10918	5.4	38	-N	2	C	1846	.86	1.03			
RAMY	07	1842	1904D	1847	N19	W34	.574	10918	5.2	22D	-N		C		.93			F	
PALE	07	1843	1905	1855	N20	W29	.513	10918	5.6	22	-N		C		.59			DE	
MOMA	07	1844	1910	1849	N20	W32	.552	10918	5.4	26	-F		C	1849	.41	.40		E	
BOUL	07	1847	1948	1906	N25	W36	.625	10918	5.1	61	-N	2	C	1906	.43	.56			
BOUL	07	1905	1910	1907	N18	W38	.623	10918	4.9	5	-F	2	C	1907	.22	.28			
194 BOUL	07	1956	2010	2000	N12	W40	.639	10918	4.8	14	--N	2	C	2000	.22	.29		3	
GRP33195	07	2036	2105	2044	S07	E16	.365	10925	9.1	29	--F				.56			2 2 2 3	
PALE	07	2034	2101	2045	S08	E15	.364	10925	9.0	27	-F		C		.36			DE	
BOUL	07	2037	2109	2042	S06	E16	.354	10925	9.1	32	-N	2	C	2042	.75	.80			
196 BOUL	07	2048	2101	2050	N16	W61	.868	10913	3.3	13	--N	2	C	2050	.32	.56		3	

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %		
					LAT.	MER. DIST.														
197 BOUL	07	2102	2115	2105	N20	W34	.578	10918	5.3	13	--N	2	C	2105	.43	.53			3	
GRP33198	07	2209	2234	2213	N17	W60	.859	10913	3.4	25	-N				1.16				2 2 2 3	
CULG	07	2208E	2247	2213	N18	W60	.860	10913	3.4	39D	1N		P	2213	1.34	2.40				
BOUL	07	2210	2220	2212	N16	W60	.859	10913	3.4	10	-N	2	C	2212	.97	1.83				
GRP33199	07	2226	2235	2228	N14	W39	.628	10918	5.0	9	--F				.45				2 2 2 3	
PALE	07	2225	2239	2228	N15	W38	.616	10918	5.1	14	-N		C		.36				DE	
BOUL	07	2226	2231	2227	N13	W39	.626	10918	5.0	5	-F	1	C	2227	.54	.70				
200 BOUL	07	2245	2250	2246	S08	W64	.911	10915	3.1	5	--F	1	C	2246	.43	.92			3	
201 BOUL	07	2251	2256	2252	N16	W61	.868	10913	3.4	5	--F	2	C	2252	.64	1.24			3	
202 PALE	07	2300	2325	2312	S11	E90	1.000	10936	14.7	25	-N		C		.45				3	
	07	2400	0003	NO FLARE PATROL																
203 PALE	08	0051	0112	0056	S07	W68	.935	10915	2.9	21	--F		C		.36				DE	3
204 PALE	08	0122E	0131	0126	N23	E18	.397	10922	9.4	90	--F		C		.13				DE	2
GRP33206	08	0158	0225	0203	S19	E61	.910	10929	12.7	27	--F				.24				2 2 2 3	
PALE	08	0121	0157	0127	S18	E62	.915	10929	12.7	36	-N		C		.27				H	
MANI	08	0157	02100	0200	S20	E60	.906	10929	12.6	130	-F	1		0200	.21	.40			F	
PALE	08	0159	0225	0205	S18	E62	.915	10929	12.7	26	-N		C		.27					
GRP33209	08	0321	0354	0331	N22	W38	.636	10918	5.3	33	1N				2.26				5 4 4 5	
TEHR	08	0313	0355	0317	N18	W37	.610	10918	5.4	42	-N			0317	.36	.40				
CULG	08	0314	0402	0332	N21	W38	.632	10918	5.3	48	1N		C	0332	2.68	3.38			U	
TACH	08	0324	0346	0330	N22	W38	.636	10918	5.3	22	1N		C	0330	2.28	2.94			E	
CRON	08	0324E	03430	0332	N20	W37	.616	10918	5.4	190	1N	1	C	0332	2.00	2.50			60	
MANI	08	0331E	03310		N23	W37	.628	10918	5.4	1F	1		C	0331	2.06	2.70				
GRP33213	08	0610	0705	0635	N22	W42	.683	10918	5.1	55	-N				.90				3 2 2 9	
BUCA	08	0610	0700		N22	W41	.671	10918	5.2	50	-N		P	0622	1.07	1.50				
MANI	08	0618E	06280		N21	W42	.680	10918	5.1	100	-N	1		0621	.72	1.02				
CATA	08	0635E	07050	0635	N23	W44	.708	10918	5.0	300	-F			0635	.80	1.15			141	
GRP33214	08	0703	0711	0706	N19	W69	.926	10913	3.1	8	-F				.65				2 2 2 10	
CRON	08	0703E	0711	0706	N17	W67	.913	10913	3.3	80	-N	1	C	0706	.33	.69				
CAPS	08	0705E	07090		N20	W70	.932	10913	3.0	40	1F	3	V	0707	.97					
GRP33221	08	1045	1108	1055	N16	W46	.717	10918	5.0	23	--F				.92				3 3 3 10	
BUCA	08	1045	1104		N13	W41	.652	10918	5.4	19	-F		C	1050	.39	.50			E	
MONT	08	1046E	11030	1052	N15	W47	.727	10918	4.9	170	-N		C	1052	2.06					
RAMY	08	1058E	1112	1058E	N19	W50	.765	10918	4.7	140	-F		C		.31					
GRP33222	08	1049	1112	1051	N19	W04	.214	10922	8.2	23	--F				.47				4 4 4 9	
CANR	08	10490	1110	1051	N19	W06	.227	10922	8.0	210	-N	1	C	1051	.32	.32				
TEHR	08	1049	1112	1050	N18	W07	.220	10922	7.9	23	-N		C	1050	.28	.27				
BUCA	08	1050	1115		N19	W02	.206	10922	8.3	25	-F		C	1055	.48	.50				
CAPS	08	1054E	11110		N20	W02	.223	10922	8.3	170	-F	3	V	1055	.80	.80			158	
GRP33223	08	1229	1254	1234	N13	W47	.726	10918	5.0	25	1B				2.11				11 10 9 12	
BUCA	08	1225	1258		N13	W46	.714	10918	5.1	33	1B		C	1231	2.95	4.00				
RAMY	08	1226	1257	1231	N13	W48	.738	10918	4.9	31	-B		C		1.96					
CANR	08	1228	1253	1232	N12	W47	.726	10918	5.0	25	-B	2	C	1232	1.28	1.88				
TEHR	08	1229	1254	1231	N13	W47	.726	10918	5.0	25	1B			1231	1.92	2.28				
CAPS	08	1230E	12570		N12	W45	.702	10918	5.1	270	1B	3	P	1238	2.50	3.50			204	
CATA	08	1230	1255	1232	N10	W47	.726	10918	5.0	25	1B			1232	1.86	2.72			302	
KIEV	08	1230	1250	1232	N13	W48	.738	10918	4.9	20	1N		C	1232	2.58	3.60			60	
LVOV	08	1230	1246	1232	N13	W49	.749	10918	4.8	16	1F		C	1232	2.06	3.11			578	
ONDR	08	1232E	1256		N12	W47	.726	10918	5.0	240	2N		V	1232					4.00	
CAPF	08	1240E	12500		N14	W46	.715	10918	5.1	100	1N		P	1242	1.86	2.52				
BOUL	08	1250E	1256	1250E	N12	W45	.702	10918	5.2	60	-N	2	C	1250	.54	.77				
GRP33227	08	1508	1527	1513	N14	W49	.749	10918	5.0	19	--F				.54				5 5 4 9	
RAMY	08	1507	1531	1512	N12	W48	.737	10918	5.0	24	-F		C		.52					
BOUL	08	1508	1526	1513	N12	W49	.749	10918	5.0	18	-N	2	C	1513	.64	.98				
HUAN	08	1508	15210	1512	N14	W50	.761	10918	4.9	130	-F	1	C	1512	.37	.60			D	
LOCK	08	1509	1525	1514	N15	W48	.739	10918	5.0	16	-F		C							
MOMA	08	1513E	15220		N15	W48	.739	10918	5.0	90	-N		P	1514	.62	.80			E	
GRP33228	08	1538	1551	1541	N14	W44	.691	10918	5.4	13	--N				.43				3 3 2 9	
BOUL	08	1537	1555	1541	N14	W43	.679	10918	5.4	18	-B	2	C	1541	.54	.73				
CANR	08	1538	1548	1540	N13	W46	.714	10918	5.2	10	-N	1	C	1540	.32	.46				
LOCK	08	1539	1550	1541	N15	W43	.680	10918	5.4	11	-F		C							

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS		
	DATE 1970 SEP	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.															
GRP33231	08	1834	1907	1845	N05	E48	.740	10933	12.4	33	-N							3 3 2 4			
BOUL	08	1830	1900	1844	N05	E48	.740	10933	12.4	30	-B	∠	C	1844	.97	1.45					
LOCK	08	1830	1910	1845	N03	E48	.743	10933	12.4	40	-F		C								
MCMA	08	1841	1910	1847	N06	E48	.739	10933	12.4	29	-N		C	1847	.52	.80		E			
GRP33232	08	1848	1927	1859	N18	W73	.949	10913	3.3	39	-F				1.61			2 2 1 4			
BOUL	08	1844	1944	1857	N19	W73	.949	10913	3.3	60	1F	1	C	1857	1.61	4.07		S			
LOCK	08	1852	1910	1900	N16	W73	.950	10913	3.3	18	-F		C								
GRP33234	08	1946	1958	1950	N18	W65	.899	10913	3.9	12	-N				.48			3 3 2 3			
LOCK	08	1944	1958	1950	N17	W65	.899	10913	3.9	14	-F		C								
MCMA	08	1945	1958	1950	N18	W66	.906	10913	3.9	13	-N		C	1950	.41	.90		E			
BOUL	08	1948	1958	1951	N19	W65	.899	10913	4.0	10	-N	∠	C	1951	.54	.88					
GRP33235	08	1959	2021	2002	S09	W76	.976	10915	3.1	22	-F				.86			2 2 1 4			
BOUL	08	1958	2035	2002	S09	W77	.980	10915	3.1	37	1N	∠	C	2002	.86	2.61					
LOCK	08	2000	2006	2002	S09	W74	.968	10915	3.3	6	-F		C								
236 BOUL	08	2030	2044	2031	N05	E48	.740	10933	12.5	14	--N	∠	C	2031	.22	.33		2			
237 BOUL	08	2042	2114	2045	S08	W77	.979	10915	3.1	32	--N	∠	C	2045	.32	.97		2			
GRP33238	08	2141	2150	2144	N17	W68	.920	10913	3.8	9	--F				.42			3 3 2 4			
BOUL	08	2140	2152	2143	N17	W68	.920	10913	3.8	12	-F	∠	C	2143	.32	.71					
MCMA	08	2141	2149	2144	N18	W67	.913	10913	3.9	8	-F		C	2144	.52	1.20		E			
LOCK	08	2142	2149	2145	N17	W68	.920	10913	3.8	7	-F		C								
239 BOUL	08	2151	2212	2156	S06	E03	.235	10925	9.1	21	--N	∠	C	2156	.22	.22		3			
240 BOUL	08	2157	2226	2208	N04	E45	.706	10933	12.3	29	--F	∠	C	2208	.43	.63		3			
241 BOUL	08	2208	2217	2211	N20	W13	.308	10922	7.9	9	--F	∠	C	2211	.32	.32		3			
242 BOUL	08	2228	2244	2233	S11	E80	.989	10936	14.9	16	--F	∠	C	2233	.54	1.78		2			
243 BOUL	08	2235	2258	2236	N16	W48	.740	10918	5.3	23	--F	1	C	2236	.54	.82		2			
244 BOUL	08	2320	2326	2322	N18	W55	.815	10918	4.8	6	--N	1	C	2322	.32	.54		3			
245 BOUL	09	0014	0028	0017	N16	W70	.933	10913	3.8	14	-N	1	C	0017	.43	.99		3			
GRP33246	09	0241	0302	0242	S12	W01	.330	10925	9.0	21	--F				.25			2 2 2 5			
PALE	09	0235E	0300	0242U	S11	W03	.317	10925	8.9	25D	-N		C		.19			H			
CRON	09	0247	0304		S12	E01	.330	10925	9.2	17	-F	∠	V		.31						
GRP33247	09	0307	0342	0319	S08	W84	.996	10915	2.8	35	--N				.19			2 1 1 5			
PALE	09	0307	0342	0319	S08	W84	.996	10915	2.8	35	-N		C		.19			DE			
MANI	09	0336E	0349		S08	W84	.996	10915	2.8	13D	-F	1	C	0336	.41	1.20					
GRP33250	09	0538	0554	0542	N17	W53	.794	10918	5.3	16	--F				.57			2 2 2 5			
TEHR	09	0538	0555	0542	N17	W52	.784	10918	5.3	17	-F			0542	.36	.47					
CRON	09	0538	0552	0541	N16	W53	.793	10918	5.3	14	-F	∠	C	0541	.77	1.23					
GRP33252	09	0714	0728	0715	N20	W70	.932	10913	4.1	14	--N				.22			4 4 3 9			
HTPR	09	0713	0726	0715	N18	W70	.932	10913	4.1	13	-N		C	0715	.31						
CRON	09	0713	0728	0715	N20	W71	.938	10913	4.0	15	-N	∠	C	0715	.22	.52					
ISTA	09	0713	0724		N18	W70	.932	10913	4.1	11	-N										
CATA	09	0715	0735	0715	N24	W70	.932	10913	4.1	20	-N			0715	.14			174			
GRP33256	09	0829	0849	0831	N16	W32	.537	10922	7.0	20	--F				.74			3 3 3 12			
TEHR	09	0828	0843	0830	N16	W31	.523	10922	7.0	15	-F			0830	.28	.29					
MONT	09	0829E	0848D	0831	N17	W33	.554	10922	6.9	19D	-N		C	0831	1.55						
BUCA	09	0830	0855		N16	W32	.537	10922	7.0	25	-F		P	0835	.39	.50		EG			
10 STATIONS REPORTING GROUP 33262. 2 STATIONS OBSERVING AND NOT REPORTING.																					
GRP33262	09	1118	1137	1121	N14	W56	.822	10918	5.3	19	-N				1.08			10 10 10 12			
CAPE	09	1115	1134	1121	N15	W55	.813	10918	5.3	19	-N		C	1121	1.08	1.90		H			
BUCA	09	1115	1140		N13	W56	.822	10918	5.3	25	-N		C	1124	.68	1.20					
TEHR	09	1117	1133	1121	N14	W55	.813	10918	5.3	16	-N			1121	.59	.81					
KIEV	09	1117	1130	1119	N13	W57	.832	10918	5.2	13	-N		C	1119	1.03	1.80		60 DI			
ABSI	09	1117	1135	1118	N13	W55	.813	10918	5.3	18	1N		C	1118	1.35	2.20		56 F			
RAMY	09	1118	1140	1121	N15	W55	.813	10918	5.3	22	-N		C		.83						
HTPR	09	1119	1135	1122	N13	W54	.803	10918	5.4	16	-B		C	1122	.83	1.30					
MONT	09	1120E	1141D	1122	N15	W56	.823	10918	5.3	21D	1B		C	1122	2.58						
CATA	09	1120	1140	1122	N13	W55	.813	10918	5.3	20	-B			1122	.87	1.56		229			
CAPS	09	1129E	1140D		N13	W58	.841	10918	5.1	11D	-F	∠	V	1129	1.00	1.70					

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.												
GRP33278	09	2226	2257	2234	N17	W86	.995	10913	3.5	31	-F							2 2 1 3
LOCK	09	2225	2250	2234	N15	W84	.991	10913	3.6	25	-F	C						
CULG	09	2226	2304	2233	N18	W87	.996	10913	3.4	38	1N	C	2233	.57				
GRP33279	10	0008	0029	0015	N18	W83	.988	10913	3.8	21	-B							2 2 2 5
BOUL	10	0000E	0029	0015	N16	W84	.991	10913	3.7	29D	-B	1 C	0015	.43	1.79			
CRON	10	0015	0028		N20	W82	.985	10913	3.9	13	-N	2 V		.54				
280 PALE	10	0244E	0250D	0244E	N14	W67	.914	10918	5.1	6D	--N							2
GRP33282	10	0530	0549	0533	N18	W90	.999	10913	3.5	19	-N							3 3 3 7
ABSI	10	0529	0542	0531	N16	W90	.999	10913	3.5	13	1N	C	0531	.59				AD
CATA	10	0530E	0555	0535	N20	W90	.999	10913	3.5	25D	-N		0535	.90		184		
TEHR	10	0530	0532D	0532	N17	W90	.999	10913	3.5	2D	-N		0532	.52				
GRP33285	10	0824	0840	0833	N17	W90	.999	10913	3.6	16	--F							4 4 3 12
HTPR	10	0820	0835		N18	W90	.999	10913	3.6	15	-F	C		.53				
MONT	10	0825E	0839D	0839	N17	W90	.999	10913	3.6	14D	-N	C	0839	.77				
CATA	10	0825E	0840	0830	N17	W90	.999	10913	3.6	15D	-N		0830	.46		151		
TEHR	10	0827	0845	0829	N16	W90	.999	10913	3.6	18	-F		0829	.36				
GRP33286	10	0858	0917	0903	N13	W73	.950	10918	4.9	19	-N							4 4 4 14
CANR	10	0855	0858D	0858U	N11	W75	.961	10918	4.7	3D	-N	1 C	0858	.67	.58			
TEHR	10	0857	0914	0905	N12	W71	.940	10918	5.0	17	-F		0905	.22	.86			
MONT	10	0858E	0911D	0903	N14	W75	.960	10918	4.7	13D	-N	C	0903	.45				H
CATA	10	0900	0920	0905	N13	W69	.927	10918	5.2	20	-N		0905	1.13		199		
GRP33291	10	1256	1314	1300	N16	W70	.933	10918	5.3	18	-N							13 13 11 13
ABSI	10	1253	1312	1257	N14	W68	.920	10918	5.4	19	1N	C	1257	1.22				EK
KIEV	10	1255	1315	1258	N13	W74	.956	10918	5.0	20	-N	C	1259	1.79				68
CATA	10	1255	1315	1258	N16	W69	.926	10918	5.4	20	1B	C	1258	1.55				60
RAMY	10	1255	1316	1300	N15	W69	.927	10918	5.4	21	1N	C	1258	1.39				240
TEHR	10	1255	1315	1258	N17	W70	.932	10918	5.3	20	-N		1258	1.03				F
LVOV	10	1256	1311	1257	N17	W70	.932	10918	5.3	15	1B	C	1257	1.00	1.89			711
WEND	10	1256	1312		N17	W69	.926	10918	5.4	16	1N	V		.52				D
MONT	10	1257E	1318D	1259	N19	W70	.932	10918	5.3	21D	-N	C	1259	3.09				
ONDR	10	1257E	1310		N16	W71	.939	10918	5.2	13D	1N	V	1258	1.13		3.20		CDKL
CAPS	10	1258E	1315D		N15	W70	.933	10918	5.3	17D	-F	3 V	1300	.48				142
HUR8	10	1301	1313	1301	N15	W70	.933	10918	5.3	12	1N					2.89		
CANR	10	1303E	1314D	1303E	N16	W70	.933	10918	5.3	11D	-N	1 C	1303	.86	1.98			
BOUL	10	1305E	1316	1305E	N16	W68	.920	10918	5.4	11D	-N	1 C	1306	.54	1.20			
GRP33296	10	1717	1722	1719	S09	E58	.866	10936	15.1	5	--N							3 3 3 5
RAMY	10	1717	1721	1719	S09	E60	.883	10936	15.2	4	-N	C		.32				
PALE	10	1717	1722	1719	S10	E56	.851	10936	14.9	5	-N	C		.31				DE
BOUL	10	1718	1724	1719	S09	E57	.858	10936	15.0	6	-N	1 C	1719	.32	.60			
GRP33297	10	1755	1821	1801	S09	E63	.905	10936	15.5	26	--F							3 3 2 5
PALE	10	1754	1828	1757	S09	E63	.905	10936	15.5	34	-F	C		.67				
LOCK	10	1755	1815	1800	S10	E62	.900	10936	15.4	20	-F	C		.69				F
BOUL	10	1756U	1820U	1805U	S08	E63	.904	10936	15.5	24D	-F	1 C	1805	.64	.86			
GRP33301	10	2159	2210	2202	N15	W79	.977	10918	5.0	11	--F							2 2 2 6
BOUL	10	2159	2209	2202	N16	W80	.980	10918	4.9	10	-F	1 C	2202	.34	.67			
PALE	10	2159	2211	2202	N14	W78	.973	10918	5.1	12	-N	C		.22				DE
GRP33304	11	0126	0135	0127	N18	W79	.976	10918	5.1	9	--N							2 2 1 3
CRON	11	0124	0135	0127	N18	W80	.979	10918	5.1	11	-N	2 C	0127	.22	.65			
PALE	11	0127	0128D		N17	W78	.972	10918	5.2	10	-N	C		.22				DE
305 CULG	11	0151	0216	0202	N16	W85	.993	10918	4.7	25	1N	C	0202	.72				2
GRP33306	11	0322	0331	0324	N14	W87	.997	10918	4.6	9	--N							2 2 2 3
TEHR	11	0321	0335	0323	N13	W90	1.000	10918	4.4	14	-N		0323	.25				
CRON	11	0323	0327	0324	N14	W83	.989	10918	4.9	4	-N	2 C	0324	.28	.71			
GRP33308	11	0450	0539	0453	S10	E58	.868	10936	15.6	49	--F							2 2 2 4
TEHR	11	0448	0553	0452	S09	E57	.858	10936	15.5	65	-N		0452	.40	.55			
CRON	11	0451	0525	0454	S10	E58	.868	10936	15.6	34	-F	2 C	0454	.36	.87			
GRP33318	11	1401	1428	1404	S10	E51	.805	10936	15.4	27	--F							5 5 4 8
TEHR	11	1400	1418	1403	S10	E51	.805	10936	15.4	18	-N		1403	.95				
MCMA	11	1400	1434	1404	S10	E53	.824	10936	15.6	34	-F	C	1404	.52	.90			EK
RAMY	11	1401	1436	1406	S10	E52	.815	10936	15.5	35	-F	C		.83				
LVOV	11	1401E	1420D	1402	S10	E52	.815	10936	15.5	19D	1F	C	1402	1.24	2.16	552		D
CAPS	11	1404E	1432D		S08	E48	.769	10936	15.2	28D	-F	3 V	1406	1.20	1.90	142		F

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg		MAX. INT. %		
					LAT.	MER. DIST.														
GRP33379	15	0607	0623	0611	S23	E26	.636	10942	17.2	16	-N			.77					6 6 5 10	
CATA	15	0605	0625	0605	S22	E25	.617	10942	17.1	20	-N			0605	.87	1.09		178		
CRON	15	0607	0623	0611	S23	E25	.627	10942	17.1	16	-N	2	C	0611	.56	.68				
ISTA	15	0607	0620		S23	E26	.636	10942	17.2	13	-N									
TEHR	15	0608	0624	0610	S22	E24	.609	10942	17.1	16	-N			0610	.28	.30			E	
CRIM	15	0608E	0620		S22	E26	.626	10942	17.2	12	-F		C	0611	1.44	1.86				
MANI	15	0611E	0625		S24	E28	.662	10942	17.4	14	-N	1		0611	.72	.92				
GRP33381	15	0623	0633	0625	S12	W72	.962	10925	9.9	10	--N				.24			219	5 5 4 12	
CATA	15	0620	0635	0625	S11	W67	.934	10925	10.2	15	-B			0625	.23					
CRON	15	0622	0633	0625	S13	W72	.963	10925	9.9	11	-F	2	C	0625	.22	.58				
TEHR	15	0623	0632	0624	S12	W72	.962	10925	9.9	9	-N			0624	.28	.58				
HURB	15	0625	0632	0625	S11	W70	.951	10925	10.0	7	1F						1.75			
MANI	15	0625E	0635		S11	W79	.987	10925	9.3	10	-N	1		0625	.21	.52				
13 STATIONS REPORTING GROUP 33382. 1 STATIONS OBSERVING AND NOT REPORTING.																				
GRP33382	15	0834	0905	0839	N13	E04	.122	10935	15.7	31	-N				1.22				12 12 10 14	
CANR	15	0833	0909	0839	N13	E03	.113	10935	15.6	36	-B	2	C	0839	1.08	1.08				
CRON	15	0833	0908	0837	N15	E04	.152	10935	15.7	35	-N	2	C	0837	.66	.64				
HPR	15	0833	0915	0839	N13	E05	.132	10935	15.7	42	-B		C	0839	1.34	1.30			EU	
TEHR	15	0833	0911	0839	N12	E07	.146	10935	15.9	38	-B			0839	.45	.45				
ARCE	15	0833E	0900	0840	N12	E04	.108	10935	15.7	27	-F		P	0840	.85	.90				
CAPE	15	0833	0900	0838	N13	E05	.132	10935	15.7	27	-N		C	0838	1.19	1.20				
ABSI	15	0834	0910	0842	N13	E05	.132	10935	15.7	36	-N		C	0842	1.79	1.80		70	D	
ONDR	15	0834	0859	0839	N13	E02	.107	10935	15.5	25	1N		V	0839			2.40		CR	
KIEV	15	0835	0920	0836	N12	E05	.120	10935	15.7	45	-N		C	0836	1.03	1.00		60	DI	
HURB	15	0836	0853	0837	N13	E03	.113	10935	15.6	17	1N						1.87			
WEND	15	0837	0903	0842	N13	E04	.122	10935	15.7	26	1N		P		3.09					
CATA	15	0845E	0855	0845	N13	E03	.113	10935	15.6	100	-B			0845	.69	.70		246	E	
33382	15	0833	0859	0837	N12	E03	.098	10935	15.6	26	*-N				1.06				2 1 1 13	
CRIM	15	0833	0859		N12	E03	.098	10935	15.6	26	-N		C	0857	1.06	1.07			D	
CRON	15	0836	0900	0837	N11	E14	.248	10935	16.4	24	-F	2	C	0837	.11	.11				
GRP33383	15	1100	1131	1105	S21	E23	.590	10942	17.2	31	-N				1.28				4 4 4 13	
RAMY	15	1058	1135	1106	S21	E22	.581	10942	17.1	37	-N		C		1.03				F	
CANR	15	1100	1131	1104	S21	E23	.590	10942	17.2	31	-N	1	C	1104	.86	1.06				
TEHR	15	1101	1124	1104	S22	E23	.600	10942	17.2	23	-N			1104	.73	.79				
CAPS	15	1108E	1134		S20	E25	.597	10942	17.3	26	1N	2	V	1111	2.50	3.30		182	F	
GRP33384	15	1132	1139	1134	S18	E75	.979	10943	21.1	7	--F				.61				4 4 4 12	
RAMY	15	1129	1137	1132	S16	E77	.984	10943	21.3	8	-F		C		.41					
CANR	15	1132	1138	1134	S17	E76	.981	10943	21.2	6	-F	1	C	1134	.22	.65				
CAPE	15	1132	1141	1135	S19	E77	.985	10943	21.3	9	-F		C	1135	.90					
ABSI	15	1134	1140	1135	S18	E71	.963	10943	20.8	6	1N		C	1135	.90			55	E	
386	RAMY	15	1720	1736	1723	S14	W45	.760	10929	12.3	16	--F				.31				3
GRP33387	15	1753	1822	1759	S12	W77	.981	10925	10.0	29	--N				.32				3 2 1 4	
RAMY	15	1752	1836	1759	S11	W77	.981	10925	10.0	44	-N									
CANR	15	1754	1808	1759	S13	W77	.982	10925	10.0	14	-N	1	C	1759	.32	.98				
LOCK	15	1831	1855	1838	S13	W77	.982	10925	10.0	24	-F									
GRP33388	15	1852	1908	1856	N13	W02	.107	10935	15.6	16	--F				.21				2 2 1 2	
LOCK	15	1852	1910	1856	N14	W02	.123	10935	15.6	18	-F									
PALE	15	1854E	1905	1856	N12	W01	.085	10935	15.7	110	-F				.21				F	
389	LOCK	15	2025	2038	2030	S20	W53	.855	10929	11.9	13	--F								1
390	BOUL	15	2149	2156	2152	S12	W80	.990	10925	9.9	7	--N	1	C	2152	.22	.71			3
GRP33391	15	2213	2229	2217	N14	W04	.136	10935	15.6	16	--F				.54				2 2 1 3	
LOCK	15	2212	2232	2217	N13	W03	.113	10935	15.7	20	-F									
BOUL	15	2214	2225	2216	N14	W05	.146	10935	15.6	11	-N	1	C	2216	.54	.54				
GRP33392	15	2322	2335	2324	N20	E82	.985	10946	22.1	13	--F				.33				2 2 2 4	
BOUL	15	2320E	2325	2321	N20	E80	.979	10946	22.0	50	-N	1	C	2321	.54	1.64				
CRON	15	2323	2335	2327	N19	E84	.990	10946	22.3	12	-F	1	C	2327	.11	.36				
GRP33396	16	0543	0612	0551	N17	W90	.999	10924	9.5	29	-F				1.19				2 2 2 6	
CATA	16	0540E	0605	0550	N15	W90	.999	10924	9.5	25	-F			0550	.58			135		
ABSI	16	0546	0612	0552	N18	W90	.999	10924	9.5	26	1F		C	0552	1.79			49	AE	

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.												
GRP33426	18	0955	1025	1006	N19	E50	.765	10946	22.2	30	--F							4 4 3 8
MEUD	18	0954	1025	1005	N19	E49	.755	10946	22.1	31	-F	C	1005	.45	.60			E
HTPR	18	0955	1020	1006	N19	E52	.786	10946	22.3	25	-F	C	1006	.52	.80			
CANR	18	1000E	1025	1006	N21	E51	.779	10946	22.2	25D	-N	1	C	1006	.43	.69		
ONDR	18	1004E	1030		N18	E48	.742	10946	22.0	26D	1N		V	1005			2.20	CHJ
GRP33429	18	1438	1451	1441	N19	E49	.755	10946	22.3	13	-1F			.58				5 5 4 7
CANR	18	1436	1445	1438	N21	E50	.768	10946	22.4	9	-F	1	C	1438	.32	.51		
HTPR	18	1437	1455	1440	N19	E49	.755	10946	22.3	18	-F		C	1440	.31	.50		
RAMY	18	1439	1450	1441	N19	E47	.733	10946	22.1	11	-N		C		.41			F
ONDR	18	1440	1451		N17	E48	.741	10946	22.2	11	2F		V	1448			2.30	CHJR
LOCA	18	1440	1455	1443	N19	E49	.755	10946	22.3	15	-N		V	1443	1.26	2.00		
GRP33432	18	1642	1659	1645	S17	E29	.609	10943	20.9	17	--F			.70				3 3 3 4
RAMY	18	1640	1657	1645	S17	E28	.598	10943	20.8	17	-F		C		.72			
BOUL	18	1640	1701	1645	S16	E29	.600	10943	20.9	21	-N	2	C	1646	.86	1.08		
CANR	18	1645	1700		S19	E31	.646	10943	21.0	15	-F	2	V		.52	.60		
GRP33434	18	1810	1830	1814	N14	W38	.615	10935	15.9	20	--F			.29				4 3 3 5
BOUL	18	1755	1815	1759	N12	W43	.677	10935	15.5	20	-N	2	C	1759	.42	.57		
RAMY	18	1807	1828	1813	N15	W38	.616	10935	15.9	21	-F		C		.31			
PALE	18	1812	1831	1815	N14	W38	.615	10935	15.9	19	-N		C		.29			DE
MCMA	18	1813E	1827D		N13	W39	.627	10935	15.8	14D	-F		C	1813	.26	.30		D
GRP33435	18	1824	1832	1826	N20	E44	.701	10946	22.1	8	--F			.32				2 2 2 4
RAMY	18	1823	1833	1826	N20	E45	.712	10946	22.1	10	-F		C		.31			
BOUL	18	1825	1830	1826	N20	E42	.678	10946	21.9	5	-F	2	C	1826	.32	.44		
436 BOUL	18	1845	1856	1846	N13	W42	.665	10935	15.6	11	--F	1	C	1846	.32	.44		3
437 MCMA	18	1953	2002	1959	S19	E31	.646	10943	21.2	9	--F		C	1959	.26	.30		DH 3
GRP33438	18	1953	2004	2000	N19	E35	.588	10946	21.5	11	--F			.46				2 2 2 3
BOUL	18	1953	2002	1955	N21	E30	.532	10946	21.1	9	-F	2	C	1955	.32	.38		
PALE	18	1955E	1958D	1958D	N18	E33	.558	10946	21.3	3D	-N		C		.27			DE
BOUL	18	1958	2005	2001	N20	E44	.701	10946	22.1	7	-F	2	C	2001	.64	.91		
GRP33440	18	2201	2213	2205	N18	E44	.697	10946	22.2	11	--N			.28				2 2 2 4
PALE	18	2202	2210D	2205	N20	E43	.689	10946	22.1	9D	-N		C		.23			DE
BOUL	18	2203	2213	2205	N15	E44	.692	10946	22.2	10	-N	1	C	2205	.32	.45		
GRP33444	19	0427	0432	0428	N13	W50	.760	10935	15.4	5	--F			.36				2 2 2 5
TEHR	19	0426	0431	0427	N14	W50	.761	10935	15.4	5	-N			.28	.34			
CRON	19	0427	0432	0428	N11	W50	.760	10935	15.4	5	-F	1	C	0428	.44	.66		
GRP33445	19	0737	0803	0743	N12	W49	.749	10935	15.6	26	-N			.65				8 7 5 13
ABSI	19	0736	0756	0737	N11	W49	.749	10935	15.6	20	-N		C	0737	.90	1.40	60	DK
ISTA	19	0736E	0803	0743	N12	W49	.749	10935	15.6	27D	-N							
HTPR	19	0736	0820	0739	N11	W48	.737	10935	15.7	44	-F		C	0739	.93	1.30		
TEHR	19	0737	0804	0739	N14	W49	.750	10935	15.6	27	-N			.45	.56			
CRON	19	0737	0755	0743	N11	W47	.726	10935	15.8	18	-F	2	C	0743	.33	.47		
ONDR	19	0738E	0800		N10	W48	.737	10935	15.7	22D	-N		V	0739			2.40	CDEHJ
BUCA	19	0740	0800		N12	W50	.760	10935	15.6	20	-F		C	0741	.66	1.00		
CATA	19	0745E	0800D	0755	N12	W51	.771	10935	15.5	15D	-N			0755	1.73	2.76	176	
GRP33450	19	1255	1309	1259	N13	W52	.782	10935	15.6	14	--N			.24				3 3 2 9
CATA	19	1255E	1315D	1300	N13	W53	.793	10935	15.6	20D	-N			.17	.29		190	
RAMY	19	1256E	1307	1258	N13	W53	.793	10935	15.6	11D	-F		C		.31			
ONDR	19	1257E	1304		N12	W50	.760	10935	15.8	7D	-N		V	1258			2.30	CDJ
GRP33451	19	1430	1454	1437	S15	W44	.754	10950	16.3	24	--F			.39				4 4 4 7
HTPR	19	1427	1454	1440	S15	W43	.743	10950	16.4	27	-N		C	1440	.52	.80		
MCMA	19	1429	1455	1435	S15	W45	.764	10950	16.2	26	-N		C	1435	.31	.50		D
BOUL	19	1430	1446D	1435	S16	W43	.748	10950	16.4	16D	-F	1	C	1435	.32	.49		
RAMY	19	1434	1453	1437U	S15	W45	.764	10950	16.2	19	-F		C		.41			
457 RAMY	19	1808E	1818D	1808E	N04	E57	.837	10948	24.0	10D	--F			.26				3
458 MCMA	19	1900E	1945D	1904	S17	W49	.810	10950	16.1	45D	--F		C	1904	.52	.90		E 2
GRP33459	19	2009	2050	2013	S16	W49	.806	10950	16.2	41	-N			.63				2 2 2 2
BOUL	19	2006	2029U	2013	S15	W47	.783	10950	16.3	23D	-N	1	C	2014	.64	1.04		
MCMA	19	2011	2050D	2013	S17	W50	.819	10950	16.1	39D	-N		C	2013	.62	1.10		E
460 BOUL	19	2230	2240	2235	N12	E83	.990	10959	26.2	10	--F	1	C	2236	.43	1.43		3

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %			
GRP33505	21	0857	0933	0905	N21	W36	.608	10956	18.7	36	-F			1.02					6 5 5 13	
ARCE	21	0750	0945	0905	N20	W36	.604	10956	18.6	115	-F	C	0905	.62						
CATA	21	0830E	0905D	0850	N21	W36	.608	10956	18.7	35D	-B		0850	1.04	1.31			219		
MONT	21	0844E	0919D	0907	N22	W36	.612	10956	18.7	35D	1N	C	0907	2.58						
HTPR	21	0855	0940	0906	N22	W38	.636	10956	18.5	45	-N	C	0906	.83	1.00					
MEUD	21	0857	0915	0905	N21	W35	.596	10956	18.7	18	-F	C	0905	.72	.90				E	
TEHR	21	0858	0948	0903	N22	W37	.624	10956	18.6	50	-F		0903	.36	.40					
GRP33506	21	1013	1045	1019	N22	W37	.624	10956	18.7	32	-N			.79					5 5 5 9	
HTPR	21	1012	1040	1020	N22	W37	.624	10956	18.6	28	-N	C	1020	.72	.90					
TEHR	21	1013	1107	1017	N22	W37	.624	10956	18.7	54	-F		1017	.55	.60					
ABSI	21	1013E	1035	1022	N21	W38	.633	10956	18.6	22D	-N	P	1022	.90	1.20				D	
MONT	21	1014E	1038D	1019	N22	W37	.624	10956	18.7	24D	-N	C	1019	1.13						
CANR	21	1015E	1045	1018	N22	W38	.636	10956	18.6	30D	-N	C	1018	.64	.84					
GRP33507	21	1204	1213	1206	N02	E56	.829	10958	25.7	9	--N			.27					3 3 3 11	
TEHR	21	1203	1213	1206	N02	E57	.839	10958	25.8	10	-N		1206	.27	.38					
CANR	21	1203	1215	1205	N03	E56	.828	10958	25.7	12	-N	C	1205	.22	.39					
MEUD	21	1205	1210	1206	N01	E56	.831	10958	25.7	5	-F	C	1206	.31	.50				D	
GRP33508	21	1237	1252	1242	N01	E57	.840	10958	25.8	15	--F			.79					5 5 5 10	
CANR	21	1235	1248	1240	N04	E57	.837	10958	25.8	13	-F	C	1240	.11	.20					
HTPR	21	1235	1255	1240	S00	E57	.841	10958	25.8	20	-F	C	1240	.62	1.00					
RAMY	21	1237	1252	1242	N02	E57	.839	10958	25.8	15	-N	C		.93						
MEUD	21	1240	1248	1244	N01	E56	.831	10958	25.7	8	-F	C	1244	.31	.50					
CAPS	21	1244E	1259D		S00	E60	.868	10958	26.0	15D	1F	V	1247	2.00	4.00			142	C	
GRP33509	21	1325	1339	1327	N02	E56	.829	10958	25.8	14	--N			.33					3 3 3 11	
TEHR	21	1324	1341	1327	N02	E57	.839	10958	25.8	17	-N		1327	.27	.38					
CANR	21	1325	1335	1326	N02	E58	.848	10958	25.9	10	-N	C	1326	.32	.61					
RAMY	21	1326	1340D	1328	N03	E53	.798	10958	25.5	14D	-F	V		.41						
517 MCMA	21	1718	1740	1728	N18	E05	.207	10946	22.1	22	--F	C	1728	.52	.50				EH 3	
GRP33518	21	1807	1821	1812	N04	E53	.797	10958	25.7	14	--F			.66					2 2 2 3	
RAMY	21	1807	1822	1811	N03	E54	.808	10958	25.8	15	-F	C		.41						
PALE	21	1807	1820	1812	N05	E52	.785	10958	25.7	13	-N	C		.91					F	
519 MCMA	21	1845	1900D		N08	W20	.339	10960	20.3	15D	--N	C	1851	.72	.70				E 3	
GRP33520	21	1919	1929	1922	N08	W21	.356	10960	20.2	10	--N			.41					3 3 3 3	
RAMY	21	1918	1927	1922	N09	W21	.356	10960	20.2	9	-N	C		.52						
PALE	21	1920	1934	1923	N07	W22	.372	10960	20.2	14	-N	C		.36					DE	
MCMA	21	1920E	1926	1922	N08	W20	.339	10960	20.3	6D	-B	C	1922	.36	.40				D	
521 PALE	21	1941	2000	1950	N07	W22	.372	10960	20.2	19	--N	C		.36					DE 3	
522 MCMA	21	2003E	2030D		N08	W20	.339	10960	20.3	27D	--N	C	2007	.72	.70				E 2	
523 MCMA	21	2132	2145	2137	N08	W21	.356	10960	20.3	13	--N	C	2137	.26	.30				D 2	
524 MCMA	21	2144	2155	2145	S15	W15	.448	10943	20.8	11	--N	C	2145	.26	.30				E 1	
525 MANI	21	2309	2321	2314	N19	E02	.209	10946	22.1	12	--N	C	2314	.21	.21				2	
GRP33531	22	0448	0510	0452	N08	W25	.419	10960	20.3	22	--N			.53					4 4 4 4	
TEHR	22	0446	0508	0450	N08	W25	.419	10960	20.3	22	-N		0450	.27	.28					
MITK	22	0447	0504D	0453	N08	W25	.419	10960	20.3	17D	-F	C	0453	1.34	1.50				E	
CRON	22	0450	0510	0452U	N08	W24	.404	10960	20.4	20	-F	1	C	0452	.11	.12				
MANI	22	0458E	0511		N08	W25	.419	10960	20.3	13D	-B	1		0500	.41	.46				
GRP33532	22	0520	0538	0526	N26	W45	.729	10956	18.8	18	--N			.52					4 4 4 6	
MANI	22	0514	0532D	0525	N26	W45	.729	10956	18.8	18D	-B	1		0525	.62	.87				
TEHR	22	0523	0539	0526	N26	W45	.729	10956	18.8	16	-N		0526	.45	.54					
CRON	22	0524	0536	0528U	N26	W46	.739	10956	18.8	12	-F	1	C	0528	.11	.16				
ABSI	22	0526E	0530D	0526	N27	W45	.732	10956	18.9	4D	-N	P	0526	.90	1.30			52	D	
GRP33533	22	0550	0631	0609	N09	E24	.404	10948	24.0	41	-F			1.11					4 4 4 7	
CATA	22	0556	0635D	0605	N10	E25	.421	10948	24.1	45D	-N		0605	1.09	1.22			155		
ABSI	22	0602E	0630	0607	N08	E25	.419	10948	24.1	28D	-N	P	0607	1.79	2.00			56	E	
MANI	22	0614E	0628D		N07	E21	.356	10948	23.8	14D	-F	1		1.24	1.30					
CRON	22	0615U	0629	0616U	N09	E24	.404	10948	24.1	14D	-F	1	C	0616	.33	.35				
4 STATIONS REPORTING GROUP 33534.													3 STATIONS OBSERVING AND NOT REPORTING.							
GRP33534	22	0554	0617	0600	N08	W26	.435	10960	20.3	23	--N			.58					3 3 3 6	
TEHR	22	0552	0621	0556	N08	W26	.435	10960	20.3	29	-F		0556	.27	.28					
CATA	22	0555	0605	0600	N09	W25	.420	10960	20.4	10	-N		0600	.58	.64			178		
ABSI	22	0602E	0625	0604	N06	W26	.436	10960	20.3	23D	-N	P	0604	.90	1.00			55	D	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS				REMARKS	
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MGMATH 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.													
33534	22	0552	0629	0612	N08	W26	.435	10960	20.3	37	*-F							2 2 2 8	
TEHR	22	0552	0621	0612	N08	W26	.435	10960	20.3	29	-F		0612	.64	.64				
MANI	22	0614E	0636		N08	W25	.419	10960	20.4	22D	-F	1	0614	1.44	1.58				
GRP33535	22	0704	0728	0709	N08	W26	.435	10960	20.3	24	-N			1.31				5 4 4 9	
MONT	22	0701E	0737D	0711	N08	W26	.435	10960	20.3	36D	1B		C	0711	2.58			H	
HTPR	22	0704	0730	0708	N07	W27	.451	10960	20.3	26	-F		C	0708	1.24	1.40			
TEHR	22	0704	0725	0709	N08	W26	.435	10960	20.3	21	-F		C	0709	.91	.93			
CRON	22	0707	0718		N07	W26	.435	10960	20.3	11	-N	2	V		.52				
MANI	22	0728E	0755D	0733	N07	W26	.435	10960	20.4	27D	-F	1		0733	.41	.46			
GRP33537	22	0826	0837	0829	N26	W47	.749	10956	18.8	11	--F			.30				3 3 3 8	
CRON	22	0825	0836	0829U	N26	W47	.749	10956	18.8	11	-F	1	C	0829	.22	.33			
TEHR	22	0826	0838	0829	N27	W47	.752	10956	18.8	12	-F			0829	.36	.45			
ARCE	22	0830E	0835D		N26	W47	.749	10956	18.8	5D	-F		P	0830	.32	.50			
7 STATIONS REPORTING GROUP 33538.					1 STATIONS OBSERVING AND NOT REPORTING.														
GRP33538	22	0838	0859	(0839)	N08	W27	.451	10960	20.3	21	-N			.90				3 3 3 7	
TEHR	22	0835	0848	0837	N08	W28	.466	10960	20.3	13	-N			0837	.27	.28			
CAPS	22	0839E	0922D		N08	W26	.435	10960	20.4	43D	1N	3	V	0841	1.90	2.10	176	CH	
CRON	22	0840	0847		N07	W27	.451	10960	20.3	7	-N	2	V		.52				
33538	22	0836	0915	0854	N07	W28	.466	10960	20.3	39	*-N			1.46				3 3 3 8	
HTPR	22	0830	0915	0853	N07	W29	.481	10960	20.2	45	-F		C	0853	.72	.80			
MONT	22	0839E	0859D	0854	N08	W26	.435	10960	20.4	20D	-N		C	0854	2.27				
ARCE	22	0840	0900D	0855	N07	W28	.466	10960	20.3	20D	-B		P	0855	1.40	1.60			
33538	22	0859	1037	1018	N08	W27	.451	10960	20.3	98	*-N			2.06				2 1 1 7	
MONT	22	0859E	1037D	1018	N08	W27	.451	10960	20.3	98D	-N		C	1018	2.06			H	
CATA	22	0925E	0935D	0925	N08	W27	.451	10960	20.4	10D	-N			0925	.87	.98	186	T	
GRP33539	22	0847	0908	0853	N12	E56	.823	10959	26.6	21	--N			.71				4 4 4 8	
MONT	22	0844E	0914D	0854	N12	E58	.842	10959	26.7	30D	-N		C	0854	1.86				
CANR	22	0848	0858D	0853	N13	E55	.813	10959	26.5	10D	-N	2	C	0853	.32	.55			
TEHR	22	0848	0906	0852	N12	E55	.813	10959	26.5	18	-N			0852	.36	.48			
HTPR	22	0849	0905	0852	N12	E56	.823	10959	26.6	16	-F		C	0852	.31	.50		E	
GRP33544	22	1054	1154	1106	N08	W28	.466	10960	20.4	60	-N			1.69				5 4 4 8	
MONT	22	1037E	1138D	1111	N08	W28	.466	10960	20.3	61D	1B		C	1111	2.58			H	
HTPR	22	1053	1150	1110	N07	W29	.481	10960	20.3	57	-F		C	1110	1.44	1.70		T	
RAMY	22	1053E	1129	1057	N07	W28	.466	10960	20.4	36D	-N		C		1.03				
TEHR	22	1055	1158	1106	N08	W29	.481	10960	20.3	63	-N			1106	.73	.74			
CAPS	22	1110E	1140D		N08	W27	.451	10960	20.4	30D	1B	3	V	1112	2.00	2.20	204	CH	
33544	22	1140	1210	1145	N08	W30	.496	10960	20.2	30	*-N			.87				2 1 1 9	
CATA	22	1140E	1210D	1145	N08	W30	.496	10960	20.2	30D	-N			1145	.87	1.00	199	T	
RAMY	22	1204	1225	1207	N07	W30	.497	10960	20.3	21	-N		C		.46				
547 RAMY	22	1702	1724	1706	S17	W26	.577	10943	20.8	22	-N		C		1.24			F	
548 RAMY	22	1825	1834D	1828	N12	E46	.714	10959	26.2	9D	--N		C		.36				
	22	1834	1836																
	22	1904	2106																
	22	2111	2125																
549 RAMY	22	2132	2140D	2140	N11	E47	.726	10959	26.4	8D	-N		C		.83			F	
	22	2133	2145																
550 CRON	23	0004	0019	0009	N21	W14	.333	10946	22.0	15	--F	1	C	0009	.56	.57			
551 PALE	23	0100	0101	0101	N09	E14	.242	10948	24.1	1	--F		C		.23				
	23	0213	0225																
	23	0233	0245																
GRP33559	23	0655	0705	0657	N07	W41	.652	10960	20.2	10	-N			.74				6 6 6 9	
CATA	23	0650E	0705D	0655	N07	W41	.652	10960	20.2	15D	-B			0655	.58	.78	240		
MANI	23	0655	0705		N08	W36	.583	10960	20.6	10	-N	1		0657	.72	.90			
CRON	23	0656	0702	0657	N07	W42	.665	10960	20.1	6	-N	1	C	0657	.44	.58			
TACH	23	0656	0704	0658	N07	W44	.690	10960	20.0	8	-N		C	0658	.83	1.12	56	D	
ABSI	23	0657	0710	0658	N07	W42	.665	10960	20.1	13	-N		C	0658	.90	1.20	49	D	
CRIM	23	0657	0702D	0658	N07	W42	.665	10960	20.1	5D	-N		C	0658	.99	1.30		D	

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
					LAT.	MER. DIST.														
GRP33596	24	1539	1555	1542	N22	E24	.463	10959	26.5	16	--N								5 5 4 6	
LOCK	24	1538	1600	1542	N23	E24	.471	10959	26.5	22	-F									
BOUL	24	1538	1554	1542	N23	E24	.471	10959	26.5	16	-N	<	C	1543	.42	.58			E	
HTPR	24	1539	1555	1541	N22	E23	.451	10959	26.4	16	-N				1541	.31	.40			
CANR	24	1539	1552	1542	N22	E24	.463	10959	26.5	13	-N	1	C	1542	.43	.48			D	
MEUD	24	1542	1552	1545	N22	E25	.476	10959	26.5	10	-F				1545	.21	.20			
GRP33597	24	1638	1810	1647	N08	W10	.173	10948	23.9	92	1F					4.73			3 1 1 5	
LOCK	24	1612	1720	1640	N09	W13	.225	10948	23.7	68	1F									
BOUL	24	1638E	1810	1654U	N08	W10	.173	10948	23.9	92D	1F	1	C	1654	4.73	4.73			E	
MCMA	24	1712E	1718D		N10	W11	.196	10948	23.9	6D	1N		P	1713	2.06	2.10				
598 CANR	24	1657	1709	1700	N24	E32	.574	10959	27.1	12	--N	1	C	1700	.43	.52			3	
GRP33599	24	1712	1726	1714	N10	W57	.833	10960	20.4	14	--N					.35			2 2 2 4	
CANR	24	1711	1724	1713	N10	W57	.833	10960	20.4	13	-N	1	C	1713	.43	.77				
PALE	24	1712	1728	1714	N10	W56	.823	10960	20.5	16	-N		C		.26				F	
GRP33602	24	1842	1859	1847	N23	E22	.447	10959	26.4	17	--F					.43			2 2 1 3	
LOCK	24	1840	1900	1846	N23	E23	.459	10959	26.5	20	-F									
BOUL	24	1844	1858	1847	N23	E21	.435	10959	26.4	14	-N	1	C	1847	.43	.48				
504 PALE	24	2037	2047	2038	N18	W42	.674	10946	21.7	10	--N					.23			F 3	
506 PALE	24	2043	2051	2046	N08	W46	.714	10947	21.4	8	--N					.26			3	
507 PALE	24	2123	2125		N22	E20	.414	10959	26.4	2	-N								2	
	24	2125	2220	NO FLARE PATROL																
508 LOCK	24	2325	2340	2330	N16	E84	.991	10965	1.3	15	--F								H 3	
509 CRON	25	0039	0048	0040	N11	E17	.297	10959	26.3	9	--F	<	C	0040	.33	.32			2	
GRP33610	25	0048	0055	0051	N23	E23	.459	10959	26.8	7	--F					.30			2 2 2 3	
PALE	25	0046	0053	0051	N23	E27	.508	10959	27.1	7	-F					.27			F	
CRON	25	0050	0056	0051	N22	E19	.402	10959	26.5	6	-N	2	C	0051	.33	.35				
GRP33613	25	0249	0257	0252	N23	W48	.752	10946	21.5	8	--F					.36			2 2 2 4	
TEHR	25	0248	0259	0251	N22	W48	.750	10946	21.5	11	-N			0251	.28	.34				
CRON	25	0249	0255	0253	N24	W48	.755	10946	21.5	6	-F	<	C	0253	.44	.66				
515 CRON	25	0455	0503	0456	N01	E06	.147	10958	25.7	8	--F	2	C	0455	.11	.11			2	
GRP33616	25	0508	0518	0510	N11	E12	.217	10959	26.1	10	--N					.40			2 2 2 3	
TEHR	25	0507	0518	0510	N11	E12	.217	10959	26.1	11	-N			0510	.36	.36				
CRON	25	0509	0517	0510	N10	E11	.196	10959	26.0	8	-N	2	C	0510	.44	.43				
GRP33618	25	0557	0610	0559	S18	E19	.518	10955	26.7	13	--N					.60			3 3 2 5	
CATA	25	0555	0615D	0600	S18	E19	.518	10955	26.7	20D	-N			0600	.75	.90			166	
CRON	25	0556	0608	0557	S18	E20	.527	10955	26.7	12	-F	<	C	0557	.44	.51				
ISTA	25	0600	0608		S18	E19	.518	10955	26.7	8	-N									
GRP33621	25	0744	0836	0758	N21	E16	.357	10959	26.5	52	-N					2.12			3 3 3 10	
MONT	25	0738E	0834D	0756	N22	E17	.379	10959	26.6	56D	1N		C	0756	3.40					
ARCE	25	0745	0830	0800	N21	E14	.334	10959	26.4	45	-N		C	0800	1.20	1.30				
BUCA	25	0749	0845		N21	E16	.357	10959	26.5	56	-F		C	0802	1.76	1.90				
GRP33627	25	1702	1712	1706	N10	E05	.101	10959	26.1	10	--N					.34			3 3 2 3	
PALE	25	1702	1713	1706	N10	E05	.101	10959	26.1	11	-N					.36			F	
LOCK	25	1702	1712	1705	N10	E05	.101	10959	26.1	10	-N									
MCMA	25	1705E	1710		N10	E04	.087	10959	26.0	5D	-N		C	1705	.31	.30			E	
GRP33628	25	1750	1803	1754	N23	E08	.305	10959	26.3	13	--F					.23			2 2 1 3	
LOCK	25	1749	1757	1752	N23	E08	.305	10959	26.3	8	-F					.23			F	
PALE	25	1751	1809	1755	N22	E08	.291	10959	26.3	18	-N									
GRP33629	25	1831	1848	1834	N23	E09	.313	10959	26.4	17	--F					.13			2 2 1 3	
LOCK	25	1828	1845	1833	N23	E08	.305	10959	26.4	17	-F									
PALE	25	1834	1850	1835	N23	E09	.313	10959	26.4	16	-N					.13			F	
GRP33631	25	1917	1926	1920	N23	E07	.299	10959	26.3	9	--N					.16			2 2 2 4	
BOUL	25	1916	1924	1918	N23	E06	.293	10959	26.3	8	-N	1	C	1917	.22	.22				
PALE	25	1918	1927	1921	N22	E08	.291	10959	26.4	9	-N		C		.09				DE	
532 BOUL	25	2020	2029	2022	N07	W74	.958	10960	20.3	9	--F	1	C	2022	.32	.86			3	
533 PALE	25	2047E	2054	2048	N22	E57	.837	10963	30.1	7D	--N					.38			F 3	

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
634 PALE	25	2056	2103D	2059	N22	E53	.801	10962	29.8	70	--F	C		.13				DES 3
635 BOUL	25	2058	2110	2102	N18	W52	.786	10946	22.0	12	--N	∠ C	2102	.22	.36			3
636 BOUL	25	2200	2210	2205	N14	E08	.183	10959	26.5	10	--N	∠ C	2205	.42	.42			1
	25	2215	2238	NO FLARE PATROL														
GRP33637	25	2254	2344	2256	N14	W02	.127	10959	25.8	50	--N			.64				2 1 1 3
BOUL	25	2254	2344	2256	N14	W03	.133	10959	25.7	50	-N	∠ C	2256	.64	.64			
CRON	25	2308	2313		N13	E00	.105	10959	26.0	5	-F	∠ V		.62				
GRP33638	25	2304	2325	2304	N22	W64	.894	10946	21.2	21	--F			.37				2 2 2 3
BOUL	25	2259	2329	2304	N21	W64	.893	10946	21.2	30	-N	∠ C	2304	.22	.45			
CRON	25	2308	2320		N22	W63	.886	10946	21.2	12	-F	∠ V		.52				
GRP33639	26	0019	0032	0021	N14	W67	.914	10960	21.0	13	2B			2.77				2 1 1 2
CRON	26	0019	0050	0021	N19	W65	.900	10960	21.1	31	-N	∠ C	0021	.66	1.34			
VORO	26	0019	0032	0021	N14	W67	.914	10960	21.0	13	2B	C	0021	2.77	6.52		100	EJ
641 CRON	26	0215	0225	0219	N21	E03	.248	10959	26.3	10	--N	∠ C	0219	.22	.21			3
GRP33643	26	0314	0336	0316	N23	E05	.289	10959	26.5	22	--N			.64				3 3 3 3
TEHR	26	0313	0340	0315	N23	E05	.289	10959	26.5	27	-N		0315	.55	.54			
PALE	26	0314E	0315D	0314E	N22	E05	.273	10959	26.5	10	-B	C		1.03				F
CRON	26	0314	0332	0318	N23	E06	.294	10959	26.6	18	-N	∠ C	0318	.33	.32			
4 STATIONS REPORTING GROUP 33644. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP33644	26	0330	0402	0347	S10	E40	.686	10964	29.1	32	--B			.47				3 3 3 4
PALE	26	0327E	0355D	0349	S09	E40	.681	10964	29.1	280	-B	C		.31				
TEHR	26	0332	0400	0345	S10	E40	.686	10964	29.1	28	-B		0345	.28	.31			
MANI	26	0344E	0404	0348	S12	E40	.695	10964	29.2	200	-N	∠	0348	.83	1.16			
33644	26	0330	0358	0331	S10	E40	.686	10964	29.1	28	*-B			.37				2 2 2 3
PALE	26	0327E	0355D	0327	S09	E40	.681	10964	29.1	280	-B	C		.52				
CRON	26	0333	0358	0335	S11	E40	.690	10964	29.1	25	-N	∠ C	0335	.22	.30			
GRP33645	26	0420	0445	0424	N22	E04	.268	10959	26.5	25	--F			.32				3 2 2 3
TEHR	26	0415	0445	0419	N23	E03	.281	10959	26.4	30	-N		0419	.41	.40			
MANI	26	0418	0441	0424	N12	E09	.177	10959	26.9	23	-N	∠	0424	.62	.64			
CRON	26	0425	0445	0428	N21	E04	.252	10959	26.5	20	-F	∠ C	0428	.22	.21			
GRP33646	26	0453	0522	0455	N22	E04	.268	10959	26.5	29	-F			.28				3 2 2 4
CRON	26	0453	0520	0454	N21	E04	.252	10959	26.5	27	-F	∠ C	0454	.11	.11			
TEHR	26	0453	0523	0455	N23	E03	.281	10959	26.4	30	-N		0455	.45	.44			
MANI	26	0458	0510D	0503	N12	E05	.123	10959	26.6	120	-N	∠	0503	1.13	1.14			
33646	26	0500	0553	0542	N22	E03	.265	10959	26.4	53	*-N			1.88				2 2 2 3
TACH	26	0500E	0757D		N22	E03	.265	10959	26.4	1770	1N	C	0506	3.09	3.22	1.54	64	ET
CRON	26	0535	0553	0542	N22	E02	.262	10959	26.4	18	-N	∠ C	0541	.66	.64			
647 CRON	26	0531	0541	0533	N12	E01	.090	10959	26.3	10	--F	∠ C	0533	.22	.21			3
GRP33648	26	0603	0646	0608	N22	E03	.265	10959	26.5	43	-N			1.18				3 3 3 5
TEHR	26	0603	0642	0607	N23	E03	.281	10959	26.5	39	-N		0607	.83	.81			
CRON	26	0603	0648	0609	N22	E03	.265	10959	26.5	45	-N	∠ C	0609	1.22	1.18			
CAPS	26	0615E	0649D		N21	E03	.248	10959	26.5	340	-F	∠ V	0618	1.50	1.50		150	B
GRP33651	26	0726	0825	0753	N22	E02	.262	10959	26.5	59	-N			1.84				10 9 6 12
ISTA	26	0600E	0815	0745	N22	E02	.262	10959	26.4	1350	-B							
MONT	26	0722E	0844D	0750	N21	E01	.244	10959	26.4	820	1B	C	0750	4.54				H
AROS	26	0730E	0750D		N23	E03	.281	10959	26.5	200	-N	V						
HTPR	26	0739E	0830	0750	N22	E02	.262	10959	26.5	510	-B	C	0750	1.55	1.60			EU
CRON	26	0741	0810D	0750	N22	E01	.261	10959	26.4	290	-B	∠ C	0750	1.22	1.18			
CAPS	26	0742E	0825D		N21	E03	.248	10959	26.5	430	-N	∠ V						
TEHR	26	0742	0817	0754	N23	E02	.279	10959	26.5	35	-N		0754	.91	.89			
TEHR	26	0742	0817	0747	N23	E02	.279	10959	26.5	35	-N		0747	.73	.72			
CANR	26	0748E	0816	0755U	N22	E01	.261	10959	26.4	280	-B	∠ C	0755	1.94	1.94			
BUCA	26	0751	0830		N20	E01	.227	10959	26.4	39	-F	C	0757	.88	.90			
ABSI	26	0808E	0845	0808	N21	E01	.244	10959	26.4	370	1N	P	0808	2.25	2.30		58	E
GRP33652	26	0804	0817	0808	N20	W59	.853	10946	21.9	13	-N			.70				3 3 3 9
CANR	26	0804	0811	0806	N21	W57	.836	10946	22.1	7	-F	∠ C	0806	.43	.79			
MONT	26	0804E	0821D	0809	N21	W60	.862	10946	21.8	170	-N	C	0809	.77				
ABSI	26	0808E	0820	0808	N18	W60	.861	10946	21.8	120	-N	P	0808	.90	1.80		65	EK

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %	
GRP33653	26	0853	0931	0903	N22	E01	.261	10959	26.4	38	-N						5 5 5 9		
ARCE	26	0845	0907	0903	N21	E01	.244	10959	26.4	22	1F	P	0903	2.89	2.90				
MONT	26	0853E	0959D	0909	N22	E01	.261	10959	26.4	66D	1B	C	0909	3.40					
HTPR	26	0854	0940	0905	N22	E01	.261	10959	26.4	46	-N	C	0905	1.34	1.40		E		
CRON	26	0855	0925	0900	N22	E01	.261	10959	26.4	30	-N	2 C	0900	1.44	1.40				
TEHR	26	0856	0923	0900	N23	E03	.261	10959	26.6	27	-N		0900	.55	.54				
6 STATIONS REPORTING GROUP 33655.										1 STATIONS OBSERVING AND NOT REPORTING.									
GRP33655	26	1006	1046	1011	N22	E01	.261	10959	26.5	40	-F			1.13			4 4 3 6		
HTPR	26	1005	1050	1011	N22	W01	.261	10959	26.3	45	-F	C	1011	1.03	1.10		E		
TEHR	26	1007	1041	1010	N23	W01	.277	10959	26.3	34	-N		1010	.37	.36				
AROS	26	1010E	1015D		N23	E01	.277	10959	26.5	5D	-N	V							
CAPS	26	1012E	1037D		N21	E03	.248	10959	26.6	25D	-F	3 V	1016	2.00	2.00		150		
33655	26	1019	1029	(1023)	N21	E02	.245	10959	26.6	10	*-F			1.19			2 2 2 8		
UCCL	26	1013E	1029D		N20	E01	.227	10959	26.5	16D	-N	P	1023	1.55	1.70		E		
CANR	26	1025	1025D		N22	E02	.262	10959	26.6		-F	3 V		.83					
GRP33656	26	1158	1227	1205	S10	E46	.753	10964	29.9	29	--F			.55			2 2 1 5		
TEHR	26	1155	1227	1205	S09	E45	.738	10964	29.9	32	-F		1205	.55	.67				
HTPR	26	1200	1205D		S10	E46	.753	10964	30.0	5D	-F	C							
GRP33657	26	1224	1303	1237	S08	E47	.757	10964	30.0	39	--F			1.03			3 3 3 5		
HTPR	26	1217E	1305	1237	S10	E46	.753	10964	30.0	48D	-F	C	1237	.93	1.40		E		
TEHR	26	1230	1255	1236	S07	E48	.765	10964	30.1	25	-F		1236	.37	.45				
CAPS	26	1240E	1309D		S08	E47	.757	10964	30.1	29D	1N	3 V	1242	1.80	2.80		170 F		
GRP33658	26	1332	1402	1335	N22	W02	.262	10959	26.4	30	-N			1.07			6 6 6 6		
HTPR	26	1331	1338D	1335	N22	W02	.262	10959	26.4	7D	-B	C	1335	1.03	1.10		ELU		
TEHR	26	1332	1359	1335	N23	W02	.279	10959	26.4	27	-N		1335	.45	.44				
BOUL	26	1332	1346	1335	N21	W04	.252	10959	26.3	14	-N	2 C	1335	.42	.42				
MONT	26	1332E	1345D	1336	N22	W01	.261	10959	26.5	13D	-N	C	1336	2.27					
CAPS	26	1333E	1401D		N21	E00	.243	10959	26.6	28D	-B	3 V	1341	1.00	1.00		189 CF		
CANR	26	1333	1420		N22	W03	.265	10959	26.3	47	-N	2 V		1.24	1.20				
HTPR	26	1349E	1405		N22	W02	.262	10959	26.4	16D	-F	C					B		
GRP33660	26	1525	1544	1531	N09	W03	.063	10959	26.4	19	--F			1.10			5 5 4 5		
HTPR	26	1518	1546D	1530	N08	W03	.055	10959	26.4	28D	-F	C	1530	1.24	1.20		EU		
RAMY	26	1526	1540	1529	N09	W04	.078	10959	26.3	14	-N	C		1.03					
LOCK	26	1527	1543	1531	N09	W04	.078	10959	26.3	16	-F	C							
CAPS	26	1527E	1544D		N10	W02	.064	10959	26.5	17D	-F	3 V	1539	1.50	1.50		152 C		
CAPS	26	1527E	1544D		N10	W02	.064	10959	26.5	17D	-F	3 V	1539	1.50	1.50		152 C		
BOUL	26	1530E	1548	1533	N09	W04	.078	10959	26.3	18D	-N	2 C	1533	.64	.64				
8 STATIONS REPORTING GROUP 33661.										0 STATIONS OBSERVING AND NOT REPORTING.									
GRP33661	26	1526	1612	1536	S08	E43	.712	10964	29.9	46	-N			.70			6 5 4 6		
CANR	26	1520	1523D	1522	S08	E43	.712	10964	29.9	3D	-N	1 C	1522	.32	.46				
HTPR	26	1521	1546D	1530	S08	E43	.712	10964	29.9	25D	-B	C	1530	.21	.30		D		
RAMY	26	1526	1610	1532	S08	E44	.723	10964	29.9	44	-F	C		.62					
CAPS	26	1527E	1600D		S08	E45	.735	10964	30.0	33D	-N	3 V	1538	1.10	1.70		182 C		
LOCK	26	1528	1610	1540	S08	E42	.700	10964	29.8	42	-N	C							
BOUL	26	1530E	1615	1540	S07	E41	.685	10964	29.7	45D	-B	2 C	1540	.86	1.20				
33661	26	1547	1552	(1549)	S09	E43	.716	10964	29.9	5	*-N			.52			2 2 1 7		
ONDR	26	1547E	1549D		S09	E42	.704	10964	29.8	2D	-N	V	1548			2.20			
MCMA	26	1550E	1552D		S08	E43	.712	10964	29.9	2D	-N	P	1550	.52	.80		E		
GRP33662	26	1730	1742	1733	N07	W37	.598	10948	24.0	12	--F			.32			2 2 1 3		
BOUL	26	1730	1743	1733	N07	W37	.598	10948	24.0	13	-F	2 C	1733	.32	.40				
LOCK	26	1730	1740	1733	N07	W37	.598	10948	24.0	10	-F	C							
GRP33663	26	1803	1817	1808	N14	W04	.141	10959	26.5	14	--F			.66			4 4 3 4		
RAMY	26	1802	1812	1807	N10	W05	.101	10959	26.4	10	-F	C		.72					
BOUL	26	1802	1815D	1807	N13	W04	.126	10959	26.5	13D	-N	2 C	1807	.86	.86				
LOCK	26	1804	1825	1809	N13	W05	.136	10959	26.4	21	-F	C							
CANR	26	1805	1806D		N20	W03	.232	10959	26.5	10	-N	2 V		.41	.40				
GRP33664	26	1905	1927	1909	S09	E43	.716	10964	30.0	22	--F			.58			3 3 2 3		
RAMY	26	1902	1937	1906	S09	E45	.738	10964	30.2	35	-F	C		.62					
BOUL	26	1905	1923	1909	S09	E42	.704	10964	29.9	18	-F	2 C	1909	.54	.77				
LOCK	26	1908	1922	1912	S09	E41	.693	10964	29.9	14	-F	C							
GRP33665	26	1908	1930	1912	N21	W01	.244	10959	26.7	22	--F			.68			3 3 2 3		
RAMY	26	1906	1932	1910	N22	E00	.260	10959	26.8	26	-F	C		.93					
LOCK	26	1908	1930	1912	N21	W01	.244	10959	26.7	22	-F	C							
BOUL	26	1910	1927	1915	N21	W02	.245	10959	26.6	17	-N	2 C	1915	.43	.43				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS															
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %														
					LAT.	MER. DIST.																										
GRP33666	26	2004	2014	2007	N22	W71	.939	10946	21.5	10	--F							2 2 1 2														
LOCK	26	2003	2014	2006	N22	W71	.939	10946	21.5	11	-F	C																				
BOUL	26	2004	2013	2007	N21	W71	.939	10946	21.5	9	-F	2 C	2007	.22	.33																	
667 LOCK	26	2056	2112	2101	N22	W09	.299	10959	26.2	16	--F	C						2														
668 BOUL	26	2124	2129	2125	N23	W03	.281	10959	26.7	5	--F	1 C	2125	.32	.32			2														
GRP33669	26	2134	2145	2137	N21	W66	.907	10946	21.9	11	--N			.32				3 3 2 3														
LOCK	26	2133	2144	2137	N21	W66	.907	10946	21.9	11	-F	C																				
RAMY	26	2134	2144	2136	N22	W65	.901	10946	22.0	10	-N	C		.41																		
BOUL	26	2135	2146	2137	N21	W66	.907	10946	21.9	11	-N	2 C	2138	.22	.47																	
670 LOCK	26	2205	2218	2209	N13	E73	.951	10965	2.4	13	--F	C						3														
GRP33671	26	2324	2342	2327	S10	E38	.662	10964	29.8	18	--F			.32				2 2 1 4														
LOCK	26	2323	2342	2328	S10	E37	.650	10964	29.7	19	-F	C																				
BOUL	26	2324	23310	2326	S10	E38	.662	10964	29.8	70	-N	2 C	2326	.32	.43																	
674 CRON	27	0150	0157	0154	N13	W09	.187	10959	26.4	7	--F	1 C	0154	.11	.11			3														
	27	0330	0335	NO FLARE PATROL																												
GRP33683	27	1513	1551	1528	N19	W10	.268	10959	26.9	38	-N			1.29				7 7 5 8														
LOCK	27	1512	1555	1525	N21	W11	.303	10959	26.8	43	-N	C																				
CAPS	27	1513	1547D		N20	W08	.263	10959	27.0	340	1F	3 V	1534	2.50	2.60		152															
RAMY	27	1513	1556	1531	N22	W12	.326	10959	26.7	43	-N	C		.62																		
HTRP	27	1514	1534D		N20	W08	.263	10959	27.0	200	-N	C	1533	1.55	1.50																	
AROS	27	1514	1545	1520	N20	W10	.281	10959	26.9	31	-F	V																				
MCMA	27	1514	1550	1526	N11	W11	.201	10959	26.8	36	-N	C	1526	1.03	1.10			EKV														
BOUL	27	1528E	1550	1537	N20	W10	.281	10959	26.9	220	-N	2 C	1538	.75	.75																	
GRP33685	27	1611	1641	1620	N01	W29	.493	10958	25.5	30	--F			.62				2 2 1 6														
LOCK	27	1608	1642	1620	N01	W30	.507	10958	25.4	34	-F	C																				
RAMY	27	1614	1640	1620	N01	W28	.478	10958	25.6	26	-N	C		.62																		
GRP33686	27	1654	1741	1708	N19	E42	.676	10963	30.9	47	--F			.93				2 2 1 4														
RAMY	27	1653	1731	1711	N18	E43	.686	10963	30.9	38	1F	C		.93				U														
LOCK	27	1655	1750	1705	N19	E40	.652	10963	30.7	55	-F	C																				
GRP33687	27	1726	1736	1727	N23	W78	.972	10946	21.9	10	--F			.32				2 2 2 4														
CANR	27	1725	1735	1727	N23	W78	.972	10946	21.9	10	-F	1 C	1727	.32	.92																	
BOUL	27	1726	1737	1727	N23	W78	.972	10946	21.9	11	-N	2 C	1727	.32	.91																	
GRP33688	27	1743	1800	1748	N19	E65	.900	10965	2.6	17	--N			.43				3 3 2 4														
LOCK	27	1742	1800	1748	N19	E65	.900	10965	2.6	18	-F	C																				
CANR	27	1743	1758	1749	N19	E65	.900	10965	2.6	15	-N	1 C	1749	.43	.90																	
BOUL	27	1743	1802	1748	N19	E65	.900	10965	2.6	19	-N	2 C	1748	.43	.90																	
GRP33689	27	1802	1910	1811	N18	E41	.662	10963	30.8	68	--F			.97				3 3 1 3														
BOUL	27	1802	1815	1807	N17	E40	.647	10963	30.8	13	-N	2 C	1807	.97	1.30																	
LOCK	27	1802	1905	1815	N19	E41	.664	10963	30.8	63	-F	C																				
RAMY	27	1803	1915	1810	N18	E41	.662	10963	30.8	72	1F	C						SU														
690 LOCK	27	1812	1830	1816	N15	W16	.303	10959	26.6	18	--F	C						3														
691 BOUL	27	1830	1845	1833	N21	W80	.979	10946	21.8	15	--F	2 C	1833	.22	.67			3														
5 STATIONS REPORTING GROUP 33692. 0 STATIONS OBSERVING AND NOT REPORTING.																																
GRP33692	27	2115	2252	2139	N16	W20	.368	10959	26.4	97	2N			4.01				4 3 2 4														
LOCK	27	2115	2310	2145	N16	W20	.368	10959	26.4	115	2N	C																				
PALE	27	2127E	2156D	2135	N16	W18	.339	10959	26.5	29D	1N	C		3.07																		
BOUL	27	2138E	2218	2138E	N14	W20	.357	10959	26.4	40D	2B	2 C	2138	4.94	5.24																	
CRON	27	2219	2308		N16	W20	.368	10959	26.4	49	1N	2 V		4.13																		
33692	27	2157	2216	2212	N15	W18	.333	10959	26.6	19	*1F			5.13				2 2 2 4														
VORO	27	2157	2206		N15	W19	.347	10959	26.5	9	2N	C	2203	9.98	10.62		87	FHJ														
PALE	27	2207E	2226	2212	N14	W16	.297	10959	26.7	19D	-F	C		.27				DE														
GRP33695	28	0211	0222	0213	N17	E12	.267	10962	29.0	11	--N			.51				4 4 3 4														
MANI	28	0210	0225	0213	N17	E11	.255	10962	28.9	15	-N	1 C	0213	.83	.85																	
PALE	28	0211	0220	0213	N17	E12	.267	10962	29.0	9	-N	C		.27				DE														
CRON	28	0211	0223	0212	N16	E13	.270	10962	29.1	12	-N	2 C	0212	.44	.43																	
SIBE	28	0212	0219		N16	E13	.270	10962	29.1	7	-F	V						CD														

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g		MAX. INT. %
					LAT.	MER. DIST.												
GRP33696	28	0238	0313	0241	S10	E22	.464	10964	29.8	35	-N							5 4 3 5
CRON	28	0238	0320	0240	S09	E24	.480	10964	29.9	42	-N	<	C	0240	.56	.61		
MANI	28	0238	0313D	0244	S08	E21	.433	10964	29.7	35D	1F	1	C	0244	4.64	5.00		
PALE	28	0238	0315	0239	S08	E23	.459	10964	29.8	37	-B		C		1.54			DE
SIBE	28	0240E	0301		S19	E21	.546	10964	29.7	21D	1F		V		.83	.84		CEZ
TEHR	28	0317E	0317		S08	E22	.446	10964	29.8		-N							
GRP33698	28	0419	0515	0427	S09	E24	.480	10964	30.0	56	1N				5.10			5 4 4 5
TEHR	28	0418	0510	0422	S09	E24	.480	10964	30.0	52	1N			0422	4.65	4.72		
CRON	28	0419	0520	0421	S09	E24	.480	10964	30.0	61	1B	<	C	0421	2.22	2.50		
MANI	28	0422E	0435D		S07	E23	.451	10964	29.9	13D	2N	1	C	0424	8.25	9.36		F
MITK	28	0432E	0514D		S09	E25	.493	10964	30.1	42D	2N		P	0432	9.26	6.50		EK
KODA	28	0437E	0459	0437	S09	E23	.468	10964	29.9	22D	1N		P	0449	2.55	2.50	2.12	
GRP33699	28	0432	0453	0435	N13	W22	.383	10959	26.5	21	--F				.57			3 2 2 5
TEHR	28	0432	0452	0435	N13	W23	.398	10959	26.5	20	-F			0435	.73	.73		
MANI	28	0433E	0434D		N14	W24	.417	10959	26.4	1D	-N	1	C	0434	.83	.92		
CRON	28	0439	0454		N12	W21	.364	10959	26.6	15	-F	<	V		.41			
GRP33700	28	0448	0509	0453	N12	E12	.223	10962	29.1	21	--F				.20			2 2 2 2
TEHR	28	0447	0508	0452	N08	E11	.190	10962	29.0	21	-N			0452	.28	.27		
CRON	28	0449	0509	0453	N16	E12	.257	10962	29.1	20	-F	1	C	0453	.11	.11		
GRP33701	28	0517	0545	0526	N23	E57	.839	10965	2.5	28	--F				.90			2 2 2 4
TEHR	28	0517	0545	0522	N24	E57	.840	10965	2.5	28	-F			0522	.55	.80		
MANI	28	0527E	0540D	0529	N22	E56	.829	10965	2.4	13D	-N	1	C	0529	1.24	1.40		
GRP33702	28	0731	0744	0735	N17	E09	.232	10962	29.0	13	--N				.51			3 3 3 13
TEHR	28	0728	0744	0734	N18	E09	.245	10962	29.0	16	-N			0734	.28	.27		
HTRP	28	0733	0745	0735	N16	E09	.220	10962	29.0	12	-F		C	0735	.72	.70		
UCCL	28	0733	0744	0736	N17	E10	.243	10962	29.1	11	-B		C	0736	.52	.60		EH
GRP33704	28	0929	0945	0933	N17	E09	.232	10962	29.1	16	--N				.67			7 6 5 11
MONT	28	0927E	0945D	0933	N18	E09	.245	10962	29.1	18D	-N		C	0933	1.13			
HTRP	28	0928	0944	0932	N15	E09	.208	10962	29.1	16	-N		C	0932	.83	.83		
CANR	28	0929	0945	0932	N17	E08	.222	10962	29.0	16	-N	1	C	0932	.32	.32		
TEHR	28	0930	0948	0933	N18	E08	.235	10962	29.0	18	-N		C	0933	.28	.27		
CAPS	28	0930E	0944D		N18	E09	.245	10962	29.1	14D	-F	3	V	0936	.80	.80	140	
ARCE	28	0930E	0940D		N08	E17	.291	10962	29.7	10D	-F		P	0940	.45	.50		
ONDR	28	0933E	0941		N17	E08	.222	10962	29.0	8D	-F		V	0936			1.70	CO
GRP33706	28	1056	1113	1101	N17	E09	.232	10962	29.1	17	-N				1.55			9 9 8 11
CAPE	28	1055	1112	1100	N17	E08	.222	10962	29.1	17	-N		C	1100	1.36	1.40		
MONT	28	1056E	1113D	1102	N18	E08	.235	10962	29.1	17D	-N		C	1102	2.06			
UCCL	28	1056	1114	1104	N17	E10	.243	10962	29.2	18	1B		C	1104	2.06	2.20		EH
HTRP	28	1056	1112	1101	N15	E08	.196	10962	29.1	16	-N		C	1101	.72	.70		
TEHR	28	1056	1113	1059	N18	E08	.235	10962	29.1	17	-N		C	1059	.83	.80		
RAMY	28	1057E	1113	1057E	N17	E08	.222	10962	29.1	16D	-N		C		1.24			
CAPS	28	1057E	1114D		N18	E09	.245	10962	29.1	17D	-N	3	V	1058	1.00	1.00	176	
WEND	28	1057	1112		N17	E10	.243	10962	29.2	15	1N		V		3.09			
ONDR	28	1104E	1110		N17	E09	.232	10962	29.1	6D	1F		V	1106			2.00	CHJ
GRP33708	28	1225	1235	1228	N06	W61	.871	10948	23.9	10	-N				.69			3 3 3 11
RAMY	28	1223	1237	1227	N06	W61	.871	10948	23.9	14	-N		C		.41			
MONT	28	1225E	1234D	1229	N06	W61	.871	10948	23.9	9D	-N		C	1229	.77			
CAPE	28	1226	1234	1229	N06	W61	.871	10948	23.9	8	-N		C	1229	.90	1.80		H
GRP33710	28	1404	1424	1410	N22	W23	.452	10959	26.9	20	-N				1.25			9 9 9 11
HTRP	28	1403	1425	1413	N22	W23	.452	10959	26.9	22	-F		C	1413	1.03	1.10		
RAMY	28	1403	1428	1412	N21	W25	.470	10959	26.7	25	-N		C		.26			
BOUL	28	1404	1425U	1405	N21	W24	.457	10959	26.8	21D	-N	<	C	1405	.64	.72		
MONT	28	1404E	1429D	1412	N22	W23	.452	10959	26.9	25D	1N		C	1412	2.58			
CAPE	28	1405	1430	1410	N22	W24	.464	10959	26.8	25	-F		C	1410	1.27	1.40		H
CAPS	28	1405E	1425D		N22	W23	.452	10959	26.9	20D	1F	3	V	1409	2.50	2.70	158	CH
CATA	28	1405	1410	1405	N22	W24	.464	10959	26.8	5	-N		C	1405	.29	.32	174	
CANR	28	1405	1424		N21	W22	.431	10959	26.9	19	-N	3	V		.62	.60		
UCCL	28	1406	1424	1411	N22	W22	.439	10959	26.9	18	1N		C	1411	2.06	2.70		DH
GRP33712	28	1452	1510	1455	N17	E05	.195	10962	29.0	18	--N				.58			6 6 5 9
RAMY	28	1450	1507	1453	N18	E05	.211	10962	29.0	17	-N		C		.52			
UCCL	28	1451	1519	1454	N17	E05	.195	10962	29.0	28	-N		C	1454	.52	.50		D
BOUL	28	1452	1506	1455	N18	E05	.211	10962	29.0	14	-N	<	C	1455	.32	.32		
WEND	28	1452	1506		N17	E05	.195	10962	29.0	14	-N		C					
CAPS	28	1453E	1510D		N18	E05	.211	10962	29.0	17D	-F	3	V	1456	1.00	1.00		C
HTRP	28	1453	1510	1457	N16	E07	.198	10962	29.1	17	-F		C	1457	.52	.50		

SOLAR FLARES

Confirmed

SEPTEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1970 SEP	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 α	MAX. INT. %		
					LAT.	MER. DIST.													
GRP33754	30	2053	2116	2059	N21	W50	.770	10959	27.1	23	--F							2 2 1 3	
BOUL	30	2050	2102	2058	N21	W49	.760	10959	27.2	12	-N	2	C	2059	.22	.34			H
LOCK	30	2055	2130	2100	N20	W51	.779	10959	27.0	35	-F		C						
GRP33755	30	2134	2138	2136	N22	W50	.772	10959	27.1	4	--F				.30				2 2 2 3
PALE	30	2133	2136	2135	N22	W48	.751	10959	27.3	30	-F		C		.27				H
BOUL	30	2135	2138	2136	N22	W51	.782	10959	27.1	3	-N	1	C	2136	.32	.52			

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.

"Remarks":

- | | |
|---|---|
| <p>A = Eruptive prominence, base at >90°.
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 = Plage with flare shows marked intensity variations.
K = Several intensity maxima.
L = Filaments show effects of sudden activation.
M = White-light flare.</p> | <p>N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the calcium II lines H or K.
P = Flare shows helium D₃ in emission.
Q = Flare shows the Balmer continuum in emission.
R = Marked asymmetry in Hα line.
S = Brightening follows disappearance of filament (same position).
T = Region active all day.
U = Close and somewhat parallel bright filaments (or Y shape).
V = Occurrence of an explosive phase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide Hα emission.
Y = Onset of a system of loop-type prominences.
Z = Major sunspot umbra covered by flare.</p> |
|---|---|

In the importance column "--" signifies the subflare has been confirmed by the ESSA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity nor are these subflares included in the Flare Index below.

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
700901	13.61	24.0	700911	19.09	24.0	700922	48.76	21.5
700902	59.81	24.0	700913	0.86	23.0	700923	13.13	23.6
700903	11.58	24.0	700914	10.04	22.3	700924	123.36	22.9
700904	92.18	24.0	700915	47.31	24.0	700925	23.72	23.6
700905	102.10	24.0	700916	17.95	24.0	700926	103.54	24.0
700906	18.54	24.0	700917	12.85	24.0	700927	93.65	23.9
700907	27.56	24.0	700918	7.35	24.0	700928	187.43	24.0
700908	78.73	24.0	700919	6.55	24.0	700929	37.09	24.0
700909	24.94	24.0	700920	0.00	23.1	700930	31.37	24.0
700910	13.04	24.0	700921	9.59	24.0			

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

SOLAR FLARES
Unconfirmed
SEPTEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS				REMARKS	
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH H α
946 BOUL	00	1523	1545	1536	N13	W08	.170	10906	31.0	22	-N							1
947 BOUL	01	0010	0020	0014	N16	E50	.762	10918	4.8	10	-N	1	C	0014	.64	1.00		5
948 CRON	01	0013	0021	0014	S07	W47	.754	10905	28.5	8	-N	2	C	0014	.33	.49		5
949 LOCK	01	0035	0043	0038	N19	E60	.860	10918	5.5	8	-F		C					4
951 PALE	01	0302E	0320D	0304	S08	E31	.566	10915	3.5	18D	-N		C		.55			F 4
952 MITK	01	0355E	0410	0403	N18	E52	.785	10918	5.1	15D	-N		C	0403	.62	1.00		D 6
953 CRON	01	0621	0629	0623	N12	W64	.892	10903	27.5	8	-F	2	C	0623	.23	.47		7
954 MONT	01	0834E	0914D	0852	S06	E31	.554	10915	3.7	40D	-N		C	0852	.10			11
956 RAMY	01	1146E	1159D		N22	E90	.999	10922	8.2	13D	-N		C					13
GRP32957	01	1148	1159	1150	N11	W63	.885	10903	27.8	11	-F				.50			2 2 2 13
RAMY	01	1146E	1155	1146E	N12	W60	.859	10903	28.0	9D	-F		C		.46			
CANR	01	1149	1202	1154	N10	W66	.908	10903	27.5	13	-F	2	C	1154	.54	1.16		
959 BOUL	01	1321	1330	1328	S05	E28	.507	10915	3.7	9	-N	2	C	1329	.32	.37		11
960 RAMY	01	1337E	1349	1337E	S07	E29	.533	10915	3.7	12D	-F		C		.31			10
961 HTPR	01	1354	1420	1359	S07	E28	.520	10915	3.7	26	-F		C	1359	.41	.50		9
962 BOUL	01	1443	1502	1451	S05	E27	.494	10915	3.6	19	-N	2	C	1451	.43	.50		7
1 STATIONS REPORTING GROUP 32965. 2 STATIONS OBSERVING AND NOT REPORTING.																		
965 PALE	01	2213	2245	2232	N20	E90	.999	10922	8.7	32	-B				.27			3
967 CULG	02	0106	0136	0118	N15	W65	.899	10903	28.2	30	1N		C	0118	1.75			4
968 PALE	02	0128E	0133D	0131	N25	E90	.999	10922	8.8	5D	-N		C		.88			5
969 CRON	02	0240	0252		N13	W65	.900	10903	28.2	12	-F	2	V		.52			5
970 TEHR	02	0316	0345	0320	S09	W57	.858	10905	28.9	29	-F			0320	.55	.82		7
971 PALE	02	0321	0334	0328	S10	E90	1.000	10925	8.9	13	-F		C		.88			8
GRP32972	02	0353	0420	0357	N22	E90	.999	10922	8.9	27	-B				1.40			2 2 2 7
TEHR	02	0353	0430	0400	N22	E90	.999	10922	8.9	37	-N			0400	.45			
PALE	02	0353	0410	0353	N22	E90	.999	10922	8.9	17	1B		C		2.35			
GRP32976	02	0556	0604	0559	N18	E42	.673	10918	5.4	8	-N				.34			2 2 2 9
CRON	02	0555	0600	0557	N18	E42	.673	10918	5.4	5	-N	2	C	0557	.22	.29		
TEHR	02	0556	0607	0601	N17	E41	.658	10918	5.3	11	-N			0601	.45	.52		
977 TEHR	02	0616	0634	0620	N21	E90	.999	10922	9.0	18	-N			0620	.28			9
978 HTPR	02	0724	0735		N20	E12	.297	10913	3.2	11	-F		C	0725	.52	.60		12
979 CATA	02	0737E	0800	0740	N19	E13	.297	10913	3.3	23D	-F			0740	.87	.91	148	T 13
981 CANR	02	0940	0949	0942	N23	E84	.990	10922	8.7	9	-N	1	C	0942	.22	.71		9
982 TEHR	02	0959	1016	1001	N16	E38	.618	10918	5.3	17	-N			1001	.36	.40		8
2 STATIONS REPORTING GROUP 32984. 5 STATIONS OBSERVING AND NOT REPORTING.																		
GRP32984	02	1030	1043	1032	N09	W70	.935	10903	28.2	13	-F				.25			2 2 2 7
TEHR	02	1029	1044	1033	N09	W70	.935	10903	28.2	15	-F			1033	.28	.47		
CANR	02	1030	1041	1031	N09	W69	.929	10903	28.3	11	-F	1	C	1031	.22	.49		
984 CANR	02	1031	1042	1033	N13	W83	.989	10903	27.2	11	*-F	1	C	1033	.22	.71		7
986 CANR	02	1057	1106		S10	W63	.907	10905	28.7	9	-F	3	V		.26	.50		10
992 SANM	02	1620E	1637D		N22	E12	.322	10913	3.6	17D	-N	2	P	1620	.32	.34		D 6
993 BOUL	02	1631	1637	1634	N11	W38	.611	10906	30.8	6	-F	1	C	1634	.22	.28		7
997 CANR	02	1800	1810		N15	W85	.993	10903	27.4	10	-F	2	V		.21	.50		4
000 PALE	02	1907	1924	1913	N17	E26	.457	10918	4.7	17	-N		C		.15			DE 4
005 CRON	03	0143	0159	0147	N26	E81	.981	10922	9.1	16	-B	2	C	0147	.44	1.31		3

SOLAR FLARES

Unconfirmed

SEPTEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT.	MER. DIST.													
006 CRON	03	0225	0240	0233	N17	E21	.386	10918	4.7	15	-N	2	C	0233	.44	.47			4
008 TEHR	03	0330	0335	0332	N14	E31	.518	10918	5.5	5	-F			0332					7
010 CRON	03	0346	0355	0351	N21	E66	.907	10922	8.1	9	-N	2	C	0351	.11	.23			6
011 TEHR	03	0353	0420	0402	N18	E06	.212	10913	3.6	27	-N			0402	.55	.55			5
012 CULG	03	0451	0526	0457	N24	E77	.967	10922	9.0	35	1N		C	0457	1.34			R	4
GRP33014	03	0712	0725	(0717)	N18	E08	.230	10913	3.9	13	-F				1.50				2 2 1 9
WEND	03	0712	0720		N18	E08	.230	10913	3.9	8	-N								
CAPS	03	0716E	0729D		N18	E08	.230	10913	3.9	13D	-F	3	V	0717	1.50	1.50	158		
GRP33015	03	0813	0839	0827	N13	W49	.749	10906	30.7	26	-N				.40				2 2 2 12
MONTEHR	03	0803E	0838D	0827	N13	W49	.749	10906	30.7	35D	-N		C	0827	.52				
TEHR	03	0823	0839	0826	N13	W48	.738	10906	30.7	16	-N			0826	.28	.33			
016 MONT	03	0822E	0856D	0835	N19	E08	.244	10913	3.9	34D	-N		C	0835	2.27				12
020 MONT	03	1031E	1059D	1041	N13	W60	.859	10906	29.9	28D	-N		C	1041	.62				11
021 CAPS	03	1125E	1141		S08	W02	.265	10915	3.3	16D	-F	3	V	1126	.60	.60	158	C	9
025 MONT	03	1327E	1346D	1327	N13	W61	.868	10906	30.0	19D	-N		C	1327	1.55				13
027 RAMY	03	1435	1450	1439	N09	W89	.999	10903	27.9	15	-F		C		.21				10
GRP33028	03	1442	1528	1447	N20	E15	.331	10918	4.7	46	-F				.27				2 2 2 9
RAMY	03	1440	1500	1444	N21	E16	.354	10918	4.8	20	-F		C		.31				
BOUL	03	1443	1535	1449	N21	E14	.331	10918	4.7	52	-N	2	C	1449	.22	.23			
RAMY	03	1505	1520	1507	N17	E15	.303	10918	4.8	15	-F		C		.26				
029 MONT	03	1514E	1530D	1524	N12	W90	1.000	10903	27.9	16D	-N		C	1524	.52				6
031 BOUL	03	1605	1609	1606	N19	E23	.427	10918	5.4	4	-F	2	C	1606	.22	.24			4
032 BOUL	03	1618	1630	1625	N19	E02	.207	10913	3.8	12	-F	2	C	1625	.22	.22			4
040 BOUL	03	2055	2057U	2056	N16	E14	.280	10918	4.9	2D	-N	2	C	2056	.42	.42			4
041 BOUL	03	2102	2114	2109	N24	E57	.839	10922	8.2	12	-F	1	C	2109	.32	.76			4
042 BOUL	03	2143	2148	2145	N20	E58	.844	10922	8.3	5	-N	2	C	2145	.22	.40			4
043 BOUL	03	2154	2207	2159	N24	E57	.839	10922	8.2	13	-N	2	C	2159	.43	.78			4
044 BOUL	03	2208	2213	2210	N13	E15	.273	10918	5.0	5	-N	2	C	2210	.32	.32			4
045 BOUL	03	2215	2221	2217	N16	E14	.280	10918	5.0	6	-N	2	C	2217	.32	.32			4
047 PALE	03	2345E	0003	2346U	N22	E54	.809	10922	8.0	18D	-F		V		.62			DE	5
048 PALE	03	2346E	2358	2346E	N20	E13	.308	10918	5.0	12D	-N		V		.10				5
050 PALE	04	0208	0220	0209	N17	E05	.189	10918	4.5	12	-F		C		.23			DE	4
051 CRON	04	0214	0220		N18	W05	.205	10913	3.7	6	-F	2	V		.52				4
052 PALE	04	0301	0311	0302	N20	E11	.286	10918	5.0	10	-N		V		.21			DE	4
053 PALE	04	0313E	0324	0314U	N18	W08	.230	10913	3.5	11D	-F		V		.67			F	4
055 TEHR	04	0513	0524	0514	N17	E17	.330	10918	5.5	11	-N			0514	.28	.27			4
058 CRON	04	0706	0720U	0710	N19	E11	.274	10918	5.1	14D	-N	1	C	0710	.44	.43			7
059 CRON	04	0808U	0821	0810U	S10	W24	.492	10915	2.5	13D	-F	1	C	0810	.22	.25			9
060 CANR	04	0817	0821	0818	N15	E08	.191	10918	4.9	4	-N	2	C	0818	.22	.22			9
061 TEHR	04	0910	0945	0913	N14	W61	.868	10906	30.8	35	-N			0913	.32	.34			7
064 TEHR	04	1020	1040	1022	N13	W61	.868	10906	30.9	20	-N			1022	.36	.55			10
066 RAMY	04	1306	1327	1309	N19	E12	.285	10918	5.4	21	-F		C		.26				8
067 RAMY	04	1320	1334D	1323	N25	W08	.331	10913	4.0	14D	-F		C		.26				7

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
					LAT.	MER. DIST.														
068 RAMY	04	1330	1345	1333	N23	E49	.761	10922	8.2	15	-F	C			.31					7
070 RAMY	04	1351	1401	1353	N17	E03	.177	10918	4.8	10	-F	C			.31					7
071 RAMY	04	1400	1429	1405	N14	W63	.884	10906	30.9	29	-F	C			.41					7
074 MCMA	04	1635	1645	1641	S08	E59	.873	10925	9.1	10	-N	C	1641		.26	.50			DH	5
075 RAMY	04	1722	1738	1725	S08	W18	.399	10915	3.4	16	-F	C			.57					5
076 RAMY	04	1745	1754	1748	N19	E05	.220	10918	5.1	9	-F	C			.36					5
078 RAMY	04	1842	1915	1845	N14	W65	.899	10906	30.9	33	-F	C			.26					4
079 RAMY	04	1845	1912	1850	N19	E10	.263	10918	5.5	27	-F	C			.52					4
087 CRON	05	0457	0501	0458	N20	W02	.223	10918	5.1	4	-F	2 C	0458		.23	.22				4
091 CATA	05	0755	0825D	0810	N21	E37	.620	10922	8.1	300	-N		0810		.34	.45			158	8
092 ISTA	05	0756	0803	0758	S23	E90	1.001	10929	12.1	7	-N									7
095 CAPS	05	1035E	1049D		S00	W31	.526	10915	3.1	140	-F	3 V	1039	1.50	1.80			147	8	
098 CANR	05	1104	1120	1109	N24	E39	.655	10922	8.4	16	-F	2 C	1109		.43	.57				7
GRP33099	05	1222	1231	1226	S09	W26	.509	10915	3.6	9	-F				.16				2 2 2	9
CANR	05	1222	1231	1225	S09	W26	.509	10915	3.6	9	-N	2 C	1225		.22	.25				
MONT	05	1224E	1229D	1227	S09	W26	.509	10915	3.6	50	-F	C	1227		.10					
105 BOUL	05	1523	1545	1526	N13	W08	.169	10918	5.0	22	-N	2 C	1526		.43	.43				8
GRP33107	05	1548	1559	1552	N14	W05	.145	10918	5.3	11	-F				.31				2 2 1	7
LOCK	05	1546	1600	1552	N13	W08	.169	10918	5.1	14	-F	C								
MCMA	05	1549	1557	1552	N14	W2	.123	10918	5.5	8	-N	C	1552		.31	.30			D	
109 PALE	05	1642E	1745	1705U	N25	E44	.714	10922	9.0	630	-N	C			1.71					5
110 PALE	05	1746	1800	1747	N25	E35	.613	10922	8.4	14	-F	C			.19				DE	5
115 LOCK	05	2125	2145	2135	S13	W80	.990	10912	30.9	20	-F	C								4
118 LOCK	06	0104	0112	0108	N19	W13	.297	10918	5.1	8	-F	C								5
119 KODA	06	0144	0218		S23	W14	.548	10928	5.0	34	-N	C	0144	1.17	1.20				CE	5
121 PALE	06	0252E	0259	0252E	S28	W18	.633	10926	4.8	70	-F	C			.13				F	5
122 PALE	06	0310	0323	0312	N16	W36	.592	10913	3.4	13	-F	C			.13				H	5
123 PALE	06	0408	0429D	0409	N18	W30	.517	10913	3.9	210	-F	C			.23				DE	6
GRP33125	06	0554	0756	0623	S28	W21	.652	10926	4.7	122	-F				.36				2 1 1	8
TEHR	06	0554	0756	0623	S28	W21	.652	10926	4.7	122	-F		0623		.36	.41				
CAPS	06	0639E	0654D		S25	W20	.611	10926	4.8	150	-F	3 V	0642		.70	.90			158	C
128 BUCA	06	0752	0825		N16	W09	.215	10918	5.7	33	-F	C	0754		.32	.30				10
129 MONT	06	0755E	0802D	0800	S21	W15	.528	10928	5.2	70	-F	C	0800	1.13						11
130 TEHR	06	0839	0919	0849	S28	W22	.658	10926	4.7	40	-F		0849	.45	.52					9
GRP33131	06	0845	0900	0849	N18	W13	.286	10918	5.4	15	-F				1.32				2 2 2	9
TEHR	06	0845	0859	0848	N17	W13	.276	10918	5.4	14	-F		0848		.36	.36				
MONT	06	0846E	0901D	0849	N18	W13	.286	10918	5.4	150	-N	C	0849	2.27						
132 CRON	06	0910	0919	0911	N13	W17	.304	10918	5.1	9	-F	2 V	0911		.41					9
133 CRON	06	0937	0944		N13	W15	.273	10918	5.3	7	-F	2 V			.21					9
134 TEHR	06	1114	1118	1115	N18	W34	.571	10913	3.9	4	-F		1115		.27	.30				8
136 CANR	06	1208	1215		N13	W17	.304	10918	5.2	7	-N	2 V			.31	.30				7
GRP33137	06	1259	1323	1300	S28	W24	.671	10926	4.7	24	-N				.46				2 2 2	9
TEHR	06	1253	1329	1300	S27	W25	.668	10926	4.7	36	-N		1300		.27	.31				
BUCA	06	1304	1317		S28	W22	.658	10926	4.9	13	-N	P	1306		.65	1.00			E	

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.												
GRP33138	06	1307	1318	1308	N17	W14	.289	10918	5.5	11	-F							2 2 2 9
TEHR	06	1307	1318	1308	N17	W16	.316	10918	5.3	11	-F		1308	.45	.45			
BUCA	06	1307	1317		N17	W12	.263	10918	5.6	10	-N	P	1308	.32	.30			E
139 RAMY	06	1405	1423	1407	N23	E20	.420	10922	8.1	18	-F	C		.31				7
142 LOCK	06	1515	1540	1525	N23	E18	.397	10922	8.0	25	-F	C						8
GRP33143	06	1646	1655	1649	N18	W41	.660	10913	3.6	9	-F			.52				2 2 1 7
LOCK	06	1645	1655	1648	N18	W41	.660	10913	3.6	10	-F	C						
HTPR	06	1647	1655	1649	N17	W40	.646	10913	3.7	8	-F	C	1649	.52	.90			
150 PALE	06	1908	1917	1909	N21	W20	.402	10918	5.3	9	-N	C		.09				4
154 PALE	06	2158	2203	2159	N18	W20	.379	10918	5.4	5	-F	C		.18				F 4
155 LOCK	06	2341	2349	2343	N18	W22	.406	10918	5.3	8	-F	C						4
156 MANI	06	2346E	2354D		N19	W46	.721	10913	3.5	8D	-N	1	2347	.41	.62			4
159 CRON	07	0107	0123		N19	W13	.297	10918	6.1	16	-F	2 V		.41				4
160 KODA	07	0145	0218		S08	W52	.809	10915	3.2	33	1N	C	0149	2.24	2.20			CE 3
162 PALE	07	0229	0236	0231	N19	W37	.613	10913	4.3	7	-N	C		.23				DE 5
163 PALE	07	0348	0400D	0350	N19	W20	.386	10918	5.7	12D	-F	C		.27				F 6
164 PALE	07	0350	0423D	0353	S08	E24	.475	10925	9.0	33D	-F	C		.23				6
165 CRON	07	0458	0500		N20	W30	.526	10918	5.0	2	-F	2 V		.52				5
166 MANI	07	0510	0542	0513	S07	W58	.862	10915	2.9	32	-F	2	0513	.41	.69			5
167 MANI	07	0511	0529	0516	N20	W32	.552	10918	4.8	18	-N	2	0516	.52	.62			5
171 CRON	07	0759U	0806	0803U	N20	W48	.745	10913	3.7	7D	-F	1 C	0803	.11	.16			11
173 BUCA	07	0923	1040		S09	W59	.875	10915	3.0	77	-F	C	0926	.39	.80			10
GRP33174	07	0953	1030	1016	N13	W32	.530	10918	5.0	37	-F			.27				2 2 2 10
BUCA	07	0953	1040		N12	W30	.499	10918	5.2	47	-F	C	1007	.32	.40			
MEUD	07	1014	1019	1016	N14	W33	.546	10918	5.0	5	-F	C	1016	.21	.20			D
175 MEUD	07	1031	1034	1031	N18	W46	.720	10913	4.0	3	-F	C	1031	.21	.30			D 10
178 RAMY	07	1143	1205D	1149	N25	E19	.429	10922	8.9	22D	-F	C		.41				11
179 RAMY	07	1200	1214D	1205	N17	W35	.581	10918	4.9	14D	-F	C		.31				12
GRP33180	07	1222	1230	1223	N13	W35	.572	10918	4.9	8	-F			.26				2 2 2 11
RAMY	07	1221	1234	1223	N12	W35	.571	10918	4.9	13	-F	C		.31				
MEUD	07	1222	1226	1222	N14	W35	.574	10918	4.9	4	-F	C	1222	.21	.20			D
181 RAMY	07	1403	1419	1406	N13	W36	.586	10918	4.9	16	-F	C		.31				11
182 RAMY	07	1432	1445	1436	N18	W30	.517	10918	5.4	13	-F	C		.46				8
185 BOUL	07	1516	1531	1520	N24	E05	.299	10922	8.0	15	-F	2 C	1520	.22	.23			10
186 BOUL	07	1529	1545	1531	N03	W63	.890	10919	2.9	16	-F	2 C	1531	.22	.45			10
189 BOUL	07	1739	1756	1744	N12	W36	.585	10918	5.0	17	-F	2 C	1744	.32	.40			4
190 RAMY	07	1810	1827	1812	N19	E03	.210	10922	8.0	17	-F	C		.31				4
193 BOUL	07	1913	1928	1918	N16	W60	.859	10913	3.3	15	-N	2 C	1918	.43	.81			4
205 MANI	08	0156	0210D	0200	N26	W39	.663	10918	5.2	14D	-F	1	0200	.52	1.00			3
207 MANI	08	0206	0210D	0208	N19	W64	.892	10913	3.3	4D	-F	1	0208	.31	.61			3
208 CRON	08	0238	0244	0242	N17	W63	.884	10913	3.4	6	-F	1 C	0242	.43	.91			4
210 TEHR	08	0410	0422	0412	N17	W40	.646	10918	5.2	12	-N		0412	.28	.30			5
211 CRON	08	0411	0421	0416	N20	W54	.807	10913	4.1	10	-N	2 C	0416	.33	.55			5
212 CULG	08	0438	0455	0443	N23	W67	.914	10913	3.2	17	1F	C	0443	1.34				5

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	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMLATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
215 WEND	08	0704	0721		S07	W72	.957	10915	2.9	17	-N							9
216 MONT	08	0728E	0748D	0734	S08	E11	.322	10925	9.1	200	-N	C	0734	.77				14
217 MONT	08	0756E	0802D	0757	N15	W46	.716	10918	4.9	60	-N	C	0757	.77				13
218 CRON	08	0820	0825		N12	W44	.690	10918	5.0	5	-F	Z V		.62				14
GRP33219	08	0828	0840	0831	S09	W67	.932	10915	3.3	12	-N			.13				2 2 2 14
MONT	08	0826E	0840D	0831	S08	W70	.948	10915	3.1	140	-N	C	0831	.10				
CANR	08	0830	0839		S10	W64	.914	10915	3.6	9	-N	3 V		.15	.30			
220 MONT	08	0903E	0926D	0920	S08	W71	.953	10915	3.1	230	-N	C	0920	.21				10
224 BOUL	08	1250E	1258	1250E	S10	W72	.960	10915	3.1	80	-N	Z C	1250	.64	1.73			12
225 BOUL	08	1323	1343	1328	S08	W77	.979	10915	2.8	20	-N	Z C	1328	.54	1.64			9
226 BOUL	08	1332	1344	1336	N06	E52	.784	10933	12.5	12	-N	Z C	1336	.22	.36			11
GRP33229	08	1621	1630	1625	S10	E86	.999	10936	15.1	9	-N			.22				2 2 1 7
RAMY	08	1619	1630D	1624	S12	E90	1.000	10936	15.4	110	-N	C						
BOUL	08	1622	1625D	1625	S08	E81	.991	10936	14.8	30	-N	1 C	1625	.22	.73			
230 LOCK	08	1633	1700	1641	N03	E48	.743	10933	12.3	27	-F	C						5
233 BOUL	08	1916	1935	1927	N05	E48	.740	10933	12.4	19	-N	Z C	1927	.86	.95			4
GRP33248	09	0335	0359	0338	S11	W03	.317	10925	8.9	24	-F			.21				2 2 2 6
TEHR	09	0335	0400	0338	S10	W02	.298	10925	9.0	25	-N	C	0338	.28	.27			
PALE	09	0335	0358	0337	S11	W03	.317	10925	8.9	23	-F	C		.13			H	
249 TEHR	09	0417	0436	0420	N22	W13	.331	10922	8.2	19	-F		0420	.36	.42			6
GRP33251	09	0649	0713	0656	S14	E37	.675	10929	12.1	24	-F			.46				2 2 2 9
BUCA	09	0645	0720		S15	E36	.670	10929	12.0	35	-F	C	0655	.55	.70			
TEHR	09	0652	0705	0656	S12	E38	.674	10929	12.1	13	-F		0656	.36	.42			
253 CANR	09	0747	0755	0749	S09	E81	.991	10936	15.4	8	-N	Z C	0749	.22	.71			12
254 MONT	09	0749E	0808D	0758	N14	W60	.859	10918	4.8	190	-N	C	0758	1.13				11
255 MONT	09	0803E	0819D	0807	N20	W79	.975	10913	3.4	160	-N	C	0807	1.13				11
257 CRON	09	0842	0852	0846	N13	W53	.792	10918	5.4	10	-F	Z C	0846	.22	.35			12
258 CANR	09	0935	0940	0937	S09	E80	.989	10936	15.4	5	-F	1 C	0937	.11	.36			10
GRP33259	09	0949	1035	0953	S10	E75	.973	10936	15.0	46	-F			.26				2 2 2 9
CANR	09	0946	1034	0951	S09	E72	.959	10936	14.8	48	-N	1 C	0951	.21	.58			
HPR	09	0952	1035	0955	S10	E78	.983	10936	15.3	43	-F	C	0955	.31			D	
260 CRON	09	0949	0959		N12	W54	.803	10918	5.4	10	-F	Z V		.31				10
261 TEHR	09	1059	1122	1109	S23	W58	.901	10928	5.1	23	-F		1109	.55	.89			14
263 BUCA	09	1123	1139		S11	E02	.315	10925	9.6	16	-N	P	1123	.81	.90			13
GRP33264	09	1146	1159	1149	S12	E36	.651	10929	12.2	13	-F			.30				2 2 2 13
RAMY	09	1145	1201	1149	S12	E36	.651	10929	12.2	16	-N	C		.31				
TEHR	09	1146	1156	1149	S12	E35	.640	10929	12.1	10	-F		1149	.28	.30			
GRP33265	09	1343	1351	1345	N19	W80	.979	10913	3.6	8	-F			.77				2 2 1 10
MONT	09	1342E	1351D	1344	N20	W82	.985	10913	3.4	90	-N	C	1344	.77				
RAMY	09	1343	1351	1345	N17	W77	.968	10913	3.8	8	-F	C						
267 RAMY	09	1439	1444	1440	N18	W75	.959	10913	4.0	5	-F	C						11
281 TEHR	10	0400	0427	0405	N12	W71	.940	10918	4.8	27	-N		0405	.36	.69			4
283 CATA	10	0700E	0705D	0700	S07	E65	.916	10936	15.2	50	-N		0700	.52			193	11
284 MONT	10	0754E	0807D	0759	N14	W75	.960	10918	4.7	130	-N	C	0759	.77				14
GRP33287	10	0928	0947	0931	N14	W75	.960	10918	4.8	19	-F			.79				2 2 2 11
CANR	10	0927	0944	0930	N13	W75	.960	10918	4.8	17	-N	1 C	0930	.22	.58			
ABSI	10	0929	0950	0932	N15	W75	.960	10918	4.8	21	1F	C	0932	1.35			46	EK
288 RAMY	10	1054E	1100	1054E	S10	W14	.378	10925	9.4	60	-F	C		.21				10

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH FLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg		MAX. INT. %	
289 MONT	10	1211E	1215D	1212	N15	W65	.899	10918	5.6	40	-F	C	1212	.21				10	
290 RAMY	10	1245	1308		N17	W90	.999	10913	3.8	23	-N	C						12	
292 RAMY	10	1345	1355	1349	N17	W90	.999	10913	3.8	10	-F	C						13	
293 BOUL	10	1417	1435	1421	N12	W71	.940	10918	5.3	18	-F	1 C	1421	.32	.77			11	
294 BOUL	10	1522	1532	1525	N18	W70	.932	10918	5.4	10	-F	2 C	1526	.22	.51			10	
295 BOUL	10	1651	1707D	1654	N12	W73	.951	10918	5.2	160	-N	2 C	1654	.32	.81			5	
298 BOUL	10	2053	2102	2056	N11	W75	.961	10918	5.2	9	-N	2 C	2056	.54	1.46			4	
299 BOUL	10	2056	2102	2058	N19	W73	.949	10918	5.4	6	-F	1 C	2059	.32	.81			4	
300 BOUL	10	2115	2135	2124	N12	W73	.951	10918	5.4	20	-N	1 C	2124	.54	1.37			5	
302 LOCK	11	0007	0020	0011	N17	W77	.968	10918	5.2	13	-F	C						4	
303 LOCK	11	0026	0040	0032	N14	W83	.989	10918	4.8	14	-F	C					H	4	
307 TEHR	11	0331	0345	0332	S11	W32	.598	10925	8.7	14	-F		0332	.28	.29			4	
309 CRON	11	0504	0527	0520	N12	W80	.981	10918	5.2	23	-N	2 C	0520	.33	.98			5	
GRP33310	11	0650	0718	0653	S11	W18	.432	10925	9.9	28	-F			.25			2 2 2	10	
TEHR	11	0646	0723	0648	S11	W18	.432	10925	9.9	37	-N		0648	.28	.27				
CRON	11	0654	0712	0657	S10	W17	.409	10925	10.0	18	-F	2 C	0657	.22	.24				
311 CAPF	11	0717E	0740D		S08	W83	.995	10928	5.1	230	1N	P	0720	.62			A	13	
312 CANR	11	0804U	0825D	0820U	N12	W77	.970	10918	5.6	210	-F	1 C	0825	.22	.63			10	
313 CATA	11	0835E	0840D	0835	N14	W77	.969	10918	5.6	50	-N		0835	.69		166		9	
GRP33314	11	0853	0910	0900	S14	E48	.790	10936	15.0	17	-F			.33			2 2 2	12	
CRON	11	0853	0910	0900	S13	E47	.776	10936	14.9	17	-F	1 C	0900	.22	.34				
CRIM	11	0855E	0908D		S15	E48	.794	10936	15.0	130	-F	P	0902	.44	.70		D		
315 MONT	11	1107E	1131D	1119	N13	W90	1.000	10918	4.7	240	-N	C	1119	.77				9	
316 MONT	11	1131E	1138D	1135	N13	W90	1.000	10918	4.7	70	-N	C	1135	.52				9	
GRP33317	11	1154	1211	1159	N10	W85	.994	10918	5.1	17	-F			.44			2 2 2	13	
CANR	11	1154D	1203U	1157U	N08	W83	.991	10918	5.3	90	-F	1 C	1157	.11	.37				
MONT	11	1155E	1211D	1201	N12	W87	.997	10918	5.0	160	-N	C	1201	.77					
322 RAMY	11	1725	1737	1730	N12	W88	.998	10918	5.1	12	-F	C						5	
324 BOUL	11	1851	1902	1852	S13	W35	.646	10925	9.2	11	-N	2 C	1852	.54	.72			4	
325 BOUL	11	1913	1920	1915	N13	W83	.989	10918	5.6	7	-F	2 C	1916	.22	.73			4	
326 LOCK	11	2010	2035	2020	N11	W83	.990	10918	5.6	25	-F	C					H	4	
336 ISTA	12	0650	0728		N22	W90	.999	10918	5.5	38	-N							10	
337 MONT	12	0746E	0803D	0748	S13	W45	.756	10925	8.9	17D	-N	C	0748	1.55				12	
338 ABSI	12	0954	1005	0957	N25	W55	.822	10922	8.3	11	-N	C	0957	.90	1.50		56	D	10
339 HTPR	12	1012	1026	1014	S12	W45	.751	10925	9.1	14	-F	C	1014	.72	1.10			10	
3 STATIONS REPORTING GROUP 33340. 7 STATIONS OBSERVING AND NOT REPORTING.																			
GRP33340	12	1205	1308	1216	N25	W48	.756	10922	8.9	63	-F			.67			2 2 2	9	
MCMA	12	1203	1310D	1215	N25	W48	.756	10922	8.9	67D	-N	C	1215	.31	.50		DK		
RAMY	12	1206	1306	1216	N25	W47	.746	10922	9.0	60	-F	C		1.03					
33340	12	1210	1321	1231	N14	W54	.803	10924	8.5	71	*-F			.72			2 2 1	8	
HTPR	12	1206	1321D		N15	W55	.813	10924	8.4	75D	-F	C					GL		
MCMA	12	1214	1310D	1231	N13	W53	.792	10924	8.5	56D	-N	C	1231	.72	1.10		L		
GRP33341	12	1310	1322	1315	S13	W48	.786	10925	8.9	12	-N			.62			2 2 2	9	
MCMA	12	1310E	1322D	1315	S13	W47	.776	10925	9.0	12D	-N	C	1315	.52	.80		E		
HTPR	12	1310	1321D	1315	S12	W48	.782	10925	8.9	11D	-N	C	1315	.72	1.10				
342 MCMA	12	1336E	1353D	1345	N25	W48	.756	10922	9.0	17D	-N	C	1345	.31	.50		D	6	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					MIN.	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	
GRP33344	12	1554	1606	1556	S12	W49	.792	10925	9.0	12	-F							2 2 2 7	
HTPR	12	1552	1607	1557	S12	W49	.792	10925	9.0	15	-F	C	1557	1.03	1.50				
CATA	12	1555	1605	1555	S12	W48	.782	10925	9.1	10	-N		1555	.80	1.32		168		
345 LOCK	12	1653	1704	1656	S13	W50	.805	10925	9.0	11	-F	C						4	
349 TEHR	13	0241	0246	0242	S20	E57	.885	10942	17.4	5	-N	V	0242					5	
350 PALE	13	0352E	0400	0354U	N19	W88	.997	10918	6.6	80	-F	C		.10				5	
351 TEHR	13	0522	0559	0531	S17	W15	.476	10929	12.1	37	-F		0531	.83	.84			3	
GRP33352	13	0804	0829	0813	N11	E32	.527	10935	15.7	25	-F			.35				2 2 2 9	
CRON	13	0803	0826	0812	N12	E32	.528	10935	15.7	23	-F	2 C	0812	.33	.38				
TEHR	13	0805	0831	0813	N10	E32	.526	10935	15.7	26	-F		0813	.36	.38				
354 RAMY	13	1209	1221	1212	S22	E51	.847	10942	17.3	12	-F	C		.31				9	
355 RAMY	13	1239	1250	1241	S21	E50	.835	10942	17.3	11	-F	C		.26				9	
362 TEHR	14	0455	0552	0500	N22	W71	.938	10922	8.9	57	-F		0500	.57	.86			3	
363 MONT	14	0749E	09320	0821	S11	W71	.956	10925	9.0	1030	-N	C	0821	2.06				13	
GRP33365	14	0923	0934	0927	S14	E84	.998	10944	20.7	11	-F							2 2 0 8	
HTPR	14	0920	0935		S17	E90	1.001	10944	21.1	15	-F	C							
HURB	14	0926	0933	0927	S10	E78	.983	10944	20.2	7	-N					1.79		G	
366 HTPR	14	1045	1150		S17	E90	1.001	10943	21.2	65	-N	C						10	
368 ONDR	14	1545E	1553		S17	E85	.999	10943	21.0	80	-F	V	1547				2.70	ACD	
369 RAMY	14	1742	1802	1743	N16	W88	.998	10922	8.1	20	-F	C						4	
373 CRON	14	2309	2315		S17	E83	.997	10943	21.2	6	-N	2 V		.41				2	
GRP33375	15	0315	0348	0322	S23	E26	.636	10942	17.1	33	-N			.74				2 2 2 6	
CRON	15	0309	0348	0321U	S22	E27	.635	10942	17.2	39	-N	2 C	0321	.44	.56				
MANI	15	0320	0347	0322	S23	E25	.627	10942	17.0	27	-N	2	0322	1.03	1.30				
380 CAPS	15	0610E	06170		S21	W45	.792	10929	11.9	70	-F	3 S	0612	1.00	1.60		142	B	
GRP33385	15	1209	1226	1214	S23	E22	.603	10942	17.2	17	-F			1.14				2 2 2 9	
RAMY	15	1209	12130	12130	S22	E22	.592	10942	17.2	40	-F	C		.62					
LV0V	15	1213E	12260	1215	S24	E22	.614	10942	17.2	130	1F	C	1215	1.65	2.09		62	D	
393 MANI	16	0323E	03470		S21	E12	.508	10942	17.0	240	-F	1	0325	.62	.73			6	
394 MANI	16	0410E	0437		S16	E56	.867	10943	20.4	270	-F	1	0410	1.13	2.00			4	
395 MANI	16	0444	0506	0446	N04	E69	.932	10947	21.4	22	-N	1	0446	.21	.43			4	
397 CRON	16	0557	0606	0559	S27	E12	.589	10942	17.1	9	-N	1 C	0559	.33	.40			5	
399 TEHR	16	0900	0931		N18	W90	.999	10924	9.6	31	-F	V						12	
400 MONT	16	1109E	11260	1116	N18	W90	.999	10924	9.7	170	-N	C	1116	2.06				10	
GRP33402	16	1259	1318	1306	N19	W90	.999	10924	9.8	19	-F			.84				2 2 2 9	
CAPE	16	1259	1315	1305	N19	W90	.999	10924	9.8	16	-F	C	1305	.90					
MONT	16	1259E	13210	1306	N18	W90	.999	10924	9.8	220	-N	C	1306	.77					
403 RAMY	16	1425	1447	1429	N17	W90	.999	10924	9.9	22	-N	C						8	
407 PALE	16	2229	2241	2231	S18	E48	.805	10943	20.5	12	-N	C		.36				DE	
408 PALE	17	0116E	0136	0122	N20	E67	.913	10946	22.1	200	-F	C		.19				F	
410 BOUL	17	1345	13540	1350	S16	E42	.738	10943	20.7	90	-F	1 C	1350	.22	.33			7	
411 CATA	17	1630E	16350	1630	N20	E58	.844	10946	22.0	50	1N		1630	1.39	2.78		158	6	
422 CRON	18	0327	0341	0328	S16	W80	.991	10929	12.1	14	-F	2 C	0328	.11	.36			5	
423 ISTA	18	0607	0615		N19	E53	.796	10946	22.2	8	-N							9	
424 ABSI	18	0800	0825	0803	N21	E48	.747	10946	21.9	25	-F	C	0803	.90	1.40		45	D	
427 BOUL	18	1351	1405	1355	S17	E32	.640	10943	21.0	14	-N	2 C	1355	.22	.29			12	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS				REMARKS							
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %					
428 BOUL	18	1410	1423	1415	N20	E47	.735	10946	22.1	13	-F	1	C	1415	.32	.48			10					
430 BOUL	18	1515	1521	1517	N13	W42	.665	10935	15.5	6	-N	2	C	1517	.22	.30			10					
431 BOUL	18	1612	1632	1615	N20	E43	.689	10946	21.9	20	-F	1	C	1615	.42	.59			6					
433 CANR	18	1803	1816		S19	E30	.636	10943	21.0	13	-F	2	V		.52	.60			5					
439 PALE	18	2122E	2124		N19	E45	.710	10946	22.3	20	-F		C						4					
441 CRON	18	2343	2356		N12	W31	.514	10935	16.7	13	-F	2	V		1.24				4					
442 MANI	19	0140	0151	0145	S09	E63	.905	10948	23.8	11	-F	2		0145	.36	.71			4					
443 MANI	19	0145	0201	0151	N19	E41	.663	10946	22.1	16	-F	2		0151	.31	.42			4					
446 CAPF	19	0740E	0815D	0757	S17	E19	.509	10943	20.7	35D	1F		P	0757	3.51	4.08			13					
447 MONT	19	0826E	0904D	0837	N11	W49	.749	10935	15.7	38D	-N		C	0837	.77				11					
GRP33448	19	0855	0915	0900	S23	E90	1.001	10955	26.1	20	-F				.11									
HTPR	19	0855	0915	0900	S23	E90	1.001	10955	26.1	20	-F		C					2	1	1	11			
CRON	19	0856	0911	0900	S22	E78	.989	10955	25.2	15	-F	1	C	0900	.11	.36								
449 RAMY	19	1209	1222	1211	N13	W52	.782	10935	15.6	13	-F		C		.31					9				
452 RAMY	19	1508	1523	1511	N13	W55	.813	10935	15.5	15	-F		C		.46					6				
453 RAMY	19	1607	1643	1610U	N11	W55	.813	10935	15.5	36	-N		C		.57					4				
454 RAMY	19	1635	1653	1639	N04	E58	.846	10948	24.0	18	-F		C		.36					4				
455 RAMY	19	1705	1719	1707	S14	E90	1.000	10955	26.5	14	-N		C							4				
456 RAMY	19	1708	1720	1711	N08	E53	.793	10948	23.7	12	-F		C		.41					4				
462 MANI	20	0158	0225	0208	N03	E47	.731	10948	23.6	27	-N	2		0208	.21	.30				3				
463 MANI	20	0243	0300D	0249	N04	E50	.764	10948	23.9	17D	-N	1		0249	.15	.23				4				
465 TEHR	20	0546	0608	0548	N15	E77	.969	10959	26.0	22	-F			0548	.28	.58				3				
466 ISTA	20	0615	0645	0628	N10	E68	.922	10959	25.4	30	-N									6				
467 CRON	20	0616	0626	0617	N11	W68	.921	10935	15.2	10	-F	2	C	0617	.22	.48				5				
468 MONT	20	0750E	0812D	0803	N23	W21	.433	10956	18.8	22D	1N		C	0803	2.58					13				
469 MONT	20	0817E	0830D	0821	N23	W12	.336	10956	19.4	13D	-N		C	0821	2.27					11				
470 CANR	20	0905E	0911D	0906U	S12	W80	.990	10936	14.4	6D	-F	1	C	0906	.11	.36				10				
GRP33471	20	0954	1005	0957	S16	E88	1.000	10955	27.0	11	-F													
ONDR	20	0949	1001	0952	S18	E85	.999	10955	26.8	12	1F		V	0952			1.50		2	2	0	6		
HURB	20	0959	1009	1001	S13	E90	1.000	10955	27.2	10	-F						1.54		G					
472 RAMY	20	1057	1110	1059	N19	E23	.428	10946	22.2	13	-F		C		.31						6			
GRP33475	20	1245	1254	1247	S23	E06	.510	10943	21.0	9	-N				.32									
RAMY	20	1244	1254	1246	S23	E05	.508	10943	20.9	10	-N		C		.31						2	2	2	9
CANR	20	1246	1250D	1247U	S23	E06	.510	10943	21.0	4D	-N	1	C	1247	.32	.38								
476 RAMY	20	1410	1432	1412	S23	E05	.508	10943	21.0	22	-F		C		.31									8
477 BOUL	20	1500E	1510	1501	N22	W26	.487	10956	18.7	10D	-F	1	C	1501	.64	.74								7
478 BOUL	20	1541	1552	1543	N09	W77	.971	10935	14.9	11	-F	1	C	1543	.22	.63								8
480 BOUL	20	1645	1700	1650U	N22	W29	.525	10956	18.5	15	-F	1	C	1650	.54	.64								6
481 MCMA	20	1718	1730	1722	N21	W28	.506	10956	18.6	12	-N		C	1722	.72	.80			E					5
482 BOUL	20	1735	1750	1740	S15	W62	.908	10950	16.1	15	-F	1	C	1740	.32	.69								5
483 PALE	20	1740	1838	1751	N23	W28	.519	10956	18.6	58	-N		C		.27				DE					5
484 PALE	20	1740	1838	1805	N23	W28	.519	10956	18.6	58	-N		C		.19									4
486 MCMA	20	1854E	1902D		S12	W68	.941	10936	15.7	8D	-F		P	1900	.26	.80			D					3

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1970 SEP	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.														
487 MCMA	20	1854E	2019D		N21	W29	.519	10956	18.6	85D	-N	P	1930	.83	.90			E	3	
491 MANI	21	0211	0230D	0216	N21	W33	.571	10956	18.6	19D	-F	1	0216	.41	.50				3	
498 CRON	21	0455	0500		N21	W33	.571	10956	18.7	5	-N	2	V	.21					4	
499 TEHR	21	0508	0516	0512	N19	E09	.255	10946	21.9	8	-N		0512	.27	.27				3	
501 MANI	21	0616E	0621		N18	E12	.275	10946	22.2	5D	-B	1	0617	.31	.32				6	
503 MANI	21	0717	0724D	0719	S13	W70	.953	10950	16.1	7D	-N	1	0719	.72	1.60				12	
504 CRON	21	0835	0835D		N11	E71	.940	10959	26.7		-N	2	V	.21					11	
510 CANR	21	1333	1339	1334	N12	W80	.981	10935	15.6	6	-F	1	C	1334	.43	1.31			10	
511 CANR	21	1342	1351	1343	N20	W45	.713	10956	18.2	9	-F	1	C	1343	.11	.15			11	
GRP33512	21	1427	1445	1433	N12	E65	.900	10959	26.5	18	-N			.16				2 2 2	8	
CANR	21	1427	1444	1432	N11	E65	.900	10959	26.5	17	-B	1	C	1432	.11	.23				
RAMY	21	1427	1446	1434	N12	E65	.900	10959	26.5	19	-F		C	.21				F		
513 MCMA	21	1500E	1530	1506	N08	W18	.307	10960	20.3	30D	-F		C	1506	.41	.40			E	7
514 BOUL	21	1621	1635	1623	N21	W39	.645	10956	18.8	14	-N	2	C	1623	.22	.29				5
515 PALE	21	1646	1735	1658	S24	E51	.854	10955	25.5	49	-F		C	.81				DE	5	
516 PALE	21	1655	1720	1658	S25	W09	.549	10943	21.0	25	-N		C	.52				H	5	
526 MANI	21	2350	0010	2353	S14	W79	.988	10950	16.1	20	-N	2		2353	.31	.78				4
527 MANI	22	0110	0140	0125	N08	W25	.419	10960	20.2	30	-N	2		0125	.31	.34				4
528 MANI	22	0159	0257	0225	N09	W23	.388	10960	20.4	58	-N	2		0225	.41	.45				3
529 MANI	22	0230	0302	0232	S14	W80	.991	10950	16.1	32	-N	2		0232	.21	.53				3
530 CRON	22	0322	0330	0323	N07	W24	.404	10960	20.3	8	-F	1	C	0323	.11	.12				4
536 MANI	22	0728E	0743	0735	S14	W82	.995	10950	16.2	15D	-N	1		0735	.41	1.06				12
GRP33540	22	0901	0922	0914	S17	W90	1.001	10950	15.6	21	-N			.21				2 1 1	7	
MONT	22	0901E	0922D	0914	S17	W90	1.001	10950	15.6	21D	-N		C	0914	.21					
CANR	22	0917	0931	0921	S16	W79	.989	10950	16.5	14	-N	2	C	0921	.32	1.07				
GRP33541	22	0917	0935	0920	N23	W49	.762	10956	18.7	18	-F			.44				2 2 2	8	
CANR	22	0917	0931	0921	N23	W50	.772	10956	18.6	14	-N	2	C	0921	.32	.51				
TEHR	22	0917	0939	0918	N23	W48	.752	10956	18.8	22	-F			.55	.67					
542 CAPS	22	0940E	0954D		N10	E55	.813	10959	26.5	14D	-F	3	V	0940	.50	.90		150	C	6
GRP33543	22	1057	1109	1059	N10	W06	.115	10946	22.0	12	-F			.52				2 1 1	8	
RAMY	22	1057	1109	1059	N10	W06	.115	10946	22.0	12	-F		C	.52						
CANR	22	1059	1108	1100	N20	W05	.239	10946	22.1	9	-F	2	C	1100	.43	.43				
545 CANR	22	1333	1340	1334	N21	W08	.275	10946	22.0	7	-N	2	C	1334	.32	.32				8
546 RAMY	22	1521	1538	1523	N07	W30	.497	10960	20.4	17	-N		C	.41						7
552 MANI	23	0115E	0126		N08	W36	.583	10960	20.4	11D	-F	1		0116	.52	.64				4
553 MANI	23	0436E	0444		N08	W38	.611	10960	20.3	8D	-N	1		0436	.31	.39				3
554 TEHR	23	0449	0457	0450	N07	W36	.584	10960	20.5	8	-F		V	0450						3
555 TEHR	23	0511	0521	0512	N07	W37	.598	10960	20.4	10	-F		V	0512						4
556 MANI	23	0534E	0540		N08	W35	.569	10960	20.6	6D	-B	1		0535	.31	.38				4
557 CRON	23	0546	0605	0555	N08	W36	.583	10960	20.5	19	-F	1	C	0555	.33	.40				7
GRP33558	23	0627	0639	0634	N09	W37	.597	10960	20.5	12	-N			.48				2 2 2	8	
CATA	23	0625	0640	0635	N09	W37	.597	10960	20.5	15	-B			0635	.63	.80		209	T	
CRON	23	0628	0638	0632	N08	W36	.583	10960	20.6	10	-F	1	C	0632	.33	.40				
560 TEHR	23	0722	0732	0724	N07	W37	.598	10960	20.5	10	-F			0724	.28	.30				10

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMTATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.												
GRP33561	23	0746	0802	0750	N09	W37	.597	10960	20.5	16	-F							2 2 2 10
ABSI	23	0746	0802	0750	N09	W37	.597	10960	20.5	16	-F	C	0750	.90	1.10		46	D
CRON	23	0746	0802	0750	N09	W37	.597	10960	20.5	16	-F	1 C	0750	.22	.27			
563 CANR	23	0856	0910	0857	N07	W40	.639	10960	20.4	14	-N	1 C	0857	.64	.84			11
564 HTPR	23	0940	1005	0950	N20	W20	.396	10946	21.9	25	-F	C	0950	.52	.60			7
565 MEUD	23	1048	1050	1048	N19	W18	.362	10946	22.1	2	-F	C	1048	.41	.40			E 7
566 CATA	23	1055	1100	1055	N18	W20	.380	10946	22.0	5	-N		1055	.40	.44		166	7
GRP33568	23	1147	1201	1148	N22	W65	.901	10956	18.6	14	-F			1.08				2 2 2 7
MEUD	23	1147	1157	1148	N21	W64	.893	10956	18.7	10	-F	C	1148	.21	.40			D
CAPS	23	1148E	1205D		N22	W65	.901	10956	18.6	17D	1N	3 V	1153	1.94			170	
GRP33569	23	1239	1250	1241	N12	E39	.626	10959	26.5	11	-F			.26				2 2 2 8
RAMY	23	1239	1250	1241	N11	E40	.638	10959	26.5	11	-F	C		.31				
CANR	23	1239	1248U	1241	N13	E38	.614	10959	26.4	9D	-F	1 C	1241	.21	.27			
570 BOUL	23	1435	1445	1438	N21	W66	.907	10956	18.7	10	-F	2 C	1438	.11	.24			7
572 BOUL	23	1507	1512	1509	N20	W65	.900	10956	18.8	5	-F	2 C	1509	.22	.46			8
573 BOUL	23	1531	1539	1533	N15	E83	.989	10962	29.9	8	-F	2 C	1533	.22	.73			9
574 BOUL	23	1601	1613	1605	N20	W24	.448	10946	21.9	12	-F	2 C	1605	.22	.25			7
582 PALE	23	2325	2337	2326	N13	E32	.531	10959	26.4	12	-F	C		.23				5
GRP33587	24	0659	0709	0702	N22	W78	.972	10956	18.4	10	-B			.73				2 2 1 9
TACH	24	0659	0709	0702	N23	W80	.978	10956	18.3	10	-N	C	0702	.73			72	D
ISTA	24	0700E	0708		N20	W75	.959	10956	18.7	8D	-B							
590 MEUD	24	0938	0941	0938	N20	W30	.528	10946	22.2	3	-F	C	0938	.31	.40			6
591 CANR	24	0955	1007	0959	N16	E77	.969	10963	30.2	12	-F	1 C	0959	.11	.31			6
594 CANR	24	1100	1108		N23	E35	.605	10959	27.1	8	-F	3 V		.26	.30			8
595 MEUD	24	1323	1330	1325	N22	E25	.476	10959	26.4	7	-F	C	1325	.52	.60			E 9
600 PALE	24	1717	1811	1734	N22	W48	.750	10946	21.1	54	-F	C		.36				DE 5
601 PALE	24	1827	1837	1827	N17	E61	.868	10962	29.3	10	-N	C		.19				4
603 RAMY	24	1956E	2005	1956E	N22	W45	.718	10946	21.5	9D	-N	V		.21				4
605 RAMY	24	2040E	2050	2042	N23	E18	.400	10959	26.2	10D	-N	V		.41				F 3
611 CRON	25	0113	0125	0118	S23	W57	.893	10943	20.8	12	-F	2 C	0118	.33	.71			4
612 MANI	25	0219E	0221D		N21	E17	.368	10959	26.4	2D	-N	1	0220	.52	.56			4
614 CRON	25	0252	0255		N21	E21	.418	10959	26.7	3	-F	2 V		.31				4
617 CRON	25	0539	0548	0545	N20	W41	.667	10946	22.2	9	-F	2 C	0545	.33	.43			4
GRP33619	25	0723	0733	0725	N10	W67	.915	10960	20.3	10	-F			.41				2 2 1 10
MONT	25	0721E	0733D	0725	N10	W68	.922	10960	20.2	12D	-N	C	0725	.41				
ISTA	25	0725	0732		N09	W65	.901	10960	20.4	7	-F							
620 MONT	25	0737E	0751D	0744	N09	W70	.935	10960	20.1	14D	-N	C	0744	.77				11
622 ARCE	25	0805E	0845D	0835	S15	E69	.950	10964	30.5	40D	-F	P	0835	.29	.70			8
623 MONT	25	0926E	0935D	0930	N25	W56	.832	10946	21.2	9D	-N	C	0930	.10				7
GRP33624	25	0958	1019	1007	N10	W68	.922	10960	20.3	21	-F			1.24				2 2 2 10
MONT	25	0954E	1026D	1008	N10	W70	.935	10960	20.2	32D	1N	C	1008	2.27				
MEUD	25	1002	1012	1005	N10	W66	.908	10960	20.5	10	-F	C	1005	.21				D
625 MEUD	25	1214	1217	1215	N15	E50	.762	10962	29.3	3	-F	C	1215	.21	.30			D 7
GRP33626	25	1236	1305	1240	N10	W19	.326	10948	24.1	29	-F			.77				2 2 2 7
TEHR	25	1236	1305	1239	N10	W19	.326	10948	24.1	29	-N		1239	.37	.36			
CATA	25	1240E	1250D	1240	N10	W19	.326	10948	24.1	10D	-F		1240	1.16	1.23		144	
630 BOUL	25	1903	1911	1907	N11	E06	.125	10959	26.2	8	-F	1 C	1907	.54	.54			4

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMF DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %		
640 PALE	26	0126E	01400	0130	N21	E06	.263	10959	26.5	140	-N	C			.50				DE	4
642 PALE	26	0240E	03070	0245D	N21	E05	.257	10959	26.5	270	-F	C			.32				DE	4
649 CRON	26	0610	0622		S07	E52	.806	10964	30.2	12	-F	2 V			.41					5
GRP33650	26	0709	0732	0714	N22	E03	.265	10959	26.5	23	-F	3 V	0716		1.15				2 2 2	9
CAPS	26	0708E	0731D		N21	E03	.248	10959	26.5	23D	-F	3 V			1.30	1.30		152		
CRON	26	0709	0732	0714U	N22	E02	.262	10959	26.4	23	-F	2 C	0714		1.00	.97				
GRP33654	26	0945	1014	1000	N13	E02	.111	10959	26.6	29	-F	2 V			1.29				2 2 2	6
MONT	26	0944E	1018D	1000	N13	E01	.107	10959	26.5	34D	-N	C	1000		2.06			H		
CRON	26	0946	1010		N13	E02	.111	10959	26.6	24	-F	2 V			.52					
659 TEHR	26	1345	1400	1347	S09	E43	.716	10964	29.8	15	-N		1347		.28	.33				5
672 KODA	27	0137E	0142		S08	E37	.640	10964	29.8	50	-N	P	0137		1.65	1.70		D	4	
673 KODA	27	0137E	0142		N20	W71	.939	10946	21.7	50	-N	P	0137		.90	.90		D	4	
675 CRON	27	0752	0811	0754	N18	W74	.955	10946	21.8	19	-F	1 C	0754		.11	.26				9
676 CRON	27	0830	0843	0833	N23	W12	.339	10959	26.5	13	-N	1 C	0833		.11	.11				8
677 TEHR	27	0855	0937	0856	N16	W11	.244	10959	26.5	42	-N		0856		.64	.63				12
GRP33678	27	0927	0943	0930	S06	E29	.525	10964	29.6	16	-F				.54			2 2 2	13	
HTRP	27	0925	0940	0930	S06	E28	.512	10964	29.5	15	-F	C	0930		.72	.90				
TEHR	27	0928	0946	0929	S06	E29	.525	10964	29.6	18	-N		0929		.36	.38				
679 RAMY	27	1051	1104		N01	W85	.996	10947	21.1	13	-N	C								10
680 RAMY	27	1342	1407	1348	N14	E65	.900	10965	2.4	25	-F	C			.41					9
681 RAMY	27	1410	1414	1411	N17	E21	.389	10962	29.2	4	-N	C			.21					9
682 RAMY	27	1502	1513	1505	S04	E44	.710	10964	30.9	11	-F	C			.41					8
684 LOCK	27	1603	1618	1609	N02	W82	.990	10947	21.5	15	-F	C								6
693 CRON	27	2255	2305		N08	W54	.804	10948	23.9	10	-F	2 V			.41					5
694 CRON	28	0058	0101		N20	E57	.836	10965	2.3	3	-F	3 V			.52					4
697 MANI	28	0355E	0358D		S09	E21	.442	10964	29.7	3D	-F	1	0355		.83	.91				4
703 CRON	28	0733	0750	0735	S02	E11	.244	10964	29.1	17	-F	1 C	0735		.11	.11				13
705 CATA	28	1015E	1020D	1015	S15	W22	.513	10955	26.8	5D	-F		1015		.23	.27		148		13
707 UCCL	28	1111	1114	1111	S10	E15	.383	10964	29.6	3	-F	C	1111		1.03	1.40		D	10	
GRP33709	28	1307	1321	1311	N16	E32	.539	10963	30.9	14	-F				.41			2 2 2	12	
RAMY	28	1306	1318	1309	N15	E32	.536	10963	30.9	12	-N	C			.46					
TEHR	28	1307	1324	1312	N17	E31	.529	10963	30.9	17	-F		1312		.36	.39				
711 RAMY	28	1442	1454	1444	S04	E24	.443	10964	30.4	12	-F	C			.52					7
713 UCCL	28	1531	1544	1536	N11	E32	.528	10963	1.0	13	-F	C	1536		1.03	1.50		E	8	
715 BOUL	28	1815	1844	1817	N17	E03	.183	10962	29.0	29	-F	1 C	1817		.43	.43				4
716 PALE	28	2040	2048	2043	N15	E76	.965	10965	4.6	8	-F	C			.36			DE	4	
717 BOUL	28	2040U	2051U	2043	N16	E47	.730	10965	2.4	11D	-F	1 C	2043		.32	.47				4
718 BOUL	28	2312	2321	2314	S29	E54	.892	10968	3.0	9	-F	1 C	2314		.43	.88				4
719 BOUL	28	2332	2343	2334	S08	E09	.298	10964	29.7	11	-N	1 C	2334		.54	.54				5
720 KODA	29	0142E	0147D		S09	E10	.321	10964	29.8	5D	-N	P	0142		1.02	1.00		E	4	
721 TEHR	29	0307	0329	0309	N14	W35	.575	10959	26.5	22	-N		0309		.28	.30				3
GRP33723	29	0628	0655	0632	S20	W36	.700	10955	26.6	27	-F				.39			2 2 2	8	
CRON	29	0628	0655	0631	S19	W36	.693	10955	26.6	27	-F	2 C	0631		.33	.45				
TEHR	29	0628	0655	0633	S20	W36	.700	10955	26.6	27	-N		0633		.45	.52				
725 HTRP	29	1040	1055		S07	E80	.988	10969	5.4	15	-F	C	1040		.62					10

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE 1970 SEP	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCARTH PLAGE REGION				CMP DAY	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH H ₀	MAX. INT. %	
					LAT.	MER. DIST.													
3 STATIONS REPORTING GROUP 33726. 6 STATIONS OBSERVING AND NOT REPORTING.																			
GRP33726	29	1125	1150	1127	N13	W42	.666	10959	26.3	25	-F						2 2 2 9		
RAMY	29	1125E	1145	1125E	N12	W42	.665	10959	26.3	20D	-F	C			.34				
TEHR	29	1125	1154	1129	N13	W41	.654	10959	26.4	29	-N		1129		.31	.41			
33726	29	1133	1151	1141	N12	W42	.665	10959	26.3	18	*-F				.66			2 2 2 9	
TEHR	29	1125	1154	1140	N13	W41	.654	10959	26.4	29	-N		1140		.55	.62		EJ	
UCCL	29	1140	1147	1142	N11	W42	.665	10959	26.3	7	-F	C	1142		.77	1.80			
GRP33727	29	1133	1207	1144	S19	W42	.752	10955	26.3	34	-B				.65			2 2 2 9	
UCCL	29	1130	1210	1145	S20	W45	.785	10955	26.1	40	-B	C	1145		.77	1.80		EJ	
RAMY	29	1136	1204	1143	S18	W38	.707	10955	26.6	28	-N	C			.52				
728 ONDR	29	1349E	1402		N23	W43	.699	10959	26.4	13D	1F	V	1350				2.00	C	9
730 CANR	29	1637	1700U	1645U	S09	E15	.371	10964	30.8	23D	-N	1 C	1645		.43	.46			4
731 BOUL	29	1711	1720	1713	N23	W46	.732	10959	26.3	9	-N	2 C	1713		.22	.33			5
739 CRON	30	0446	0500		N21	E28	.509	10965	2.3	14	-F	2 V			1.65				3
740 TEHR	30	0503	0514	0505	N20	W46	.725	10959	26.8	11	-N		0505		.36	.54			5
742 CRON	30	0933	0946	0934	N15	E66	.907	10967	5.3	13	-F	2 V			.31				8
743 RAMY	30	1144	1151	1146	N20	E83	.988	10967	5.7	7	-F	C							6
745 CAPS	30	1202E	1209D		N20	E35	.594	10965	3.1	7D	-F	3 V	1203		.80	1.00	158	C	5
746 BOUL	30	1533	1550	1539	S09	W13	.349	10964	29.7	17	-N	2 C	1539		.22	.23			5
747 BOUL	30	1637	1647	1638	N22	W54	.811	10959	26.6	10	-N	2 C	1638		.11	.19			4
750 PALE	30	1826	1828	1826	N19	E22	.417	10965	2.4	2	-N	C			.19			DE	4
751 PALE	30	1830	1841	1832	N22	W48	.751	10959	27.2	11	-N	C			.13			H	4
756 CRON	30	2312	2320	2315	N23	W51	.784	10959	27.1	8	-F	2 C	2315		.11	.17			4