

SOLAR FLARES

Confirmed

FEBRUARY 1970

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
					LAT.	MER. DIST.												
	1970 FEB																	
GRP27733	01	0242	0312	0245	S04	W53	.797	10544	28.1	30	-N							3 3 3 5
CULG	01	0240	0321	0245	S04	W54	.807	10544	28.1	41	1N		0245	1.75	2.72			CR
MANI	01	0242	0316	0245	S04	W54	.807	10544	28.1	34	-N	2	0245	.41	.66			
MITK	01	0244	0300	0246	S04	W52	.786	10544	28.2	16	-F		0246	.93	1.50			E
GRP27737	01	0805	0829	0814	S14	W82	.987	10542	26.2	24	-N			.83				2 2 2 6
CULG	01	0804	0820	0814	S14	W82	.987	10542	26.2	16	1N		0814	1.03				
MANI	01	0805	0837	0813	S13	W82	.987	10542	26.2	32	-N	1	0813	.62	1.63			
737 CULG	01	0821	0837D	0825	S12	W82	.988	10545	26.2	16D	*1N		0825	.72				5
GRP27739	01	1140	1154	1143	S16	W88	.998	10542	25.9	14	--F							2 2 0 4
RAMY	01	1140	1154	1143	S13	W85	.994	10542	26.1	14	-F							F
ONDR	01	1142E	1154		S18	W90	.999	10542	25.7	12D	1F		1143			2.60		CHJ
GRP27742	01	1424	1451	1428	S03	W53	.798	10544	28.6	27	-N			1.03				3 3 3 6
RAMY	01	1423	1506	1428	S02	W53	.799	10544	28.6	43	-N			.98				F
MCMA	01	1425	1440	1428	S03	W54	.808	10544	28.6	15	-N		1428	.62	1.10			E
CAPS	01	1427E	1447D		S05	W52	.785	10544	28.7	20D	1N	3	1431	1.50	2.30		182	C
GRP27743	01	1603	1610	1606	S15	W89	.999	10542	26.0	7	-F			.25				3 2 1 4
HUAN	01	1602E	1610	1606	S14	W88	.998	10542	26.1	8D	-F	1	1606	.25	.57			D
RAMY	01	1603	1612	1606	S12	W87	.997	10542	26.1	9	-N							DE
MCMA	01	1604	1610	1606	S15	W89	.999	10542	26.0	6	-N		1606					D
GRP27744	01	2024	2029	2025	S14	W89	.999	10542	26.2	5	--F							2 2 0 3
MCMA	01	2024	2027D	2025	S15	W90	1.000	10542	26.1	3D	-N		2025					D
RAMY	01	2026E	2029		S13	W88	.998	10542	26.3	3D	-F							DE
GRP27746	02	0053	0106	0057	S14	W89	.999	10542	26.4	13	-F			.67				2 2 2 4
MANI	02	0052	0108	0057	S13	W88	.998	10542	26.4	16	-N	1	0057	.41	1.24			
MITK	02	0054	0104	0057	S15	W90	1.000	10542	26.3	10	1F		0057	.93				
GRP27747	02	0121	0130	0124	S15	W90	1.000	10542	26.3	9	1F			.62				2 1 1 4
MANI	02	0121	0146	0125	S14	W90	1.000	10542	26.3	25	-N	2	0125	.26	.80			
MITK	02	0121	0130	0124	S15	W90	1.000	10542	26.3	9	1F		0124	.62				
GRP27748	02	0122	0138	0126	S02	W65	.906	10544	28.2	16	1F			.98				2 2 2 4
CULG	02	0120	0145	0126	S00	W65	.907	10544	28.2	25	1N		0126	1.03	2.25			R
MITK	02	0124	0131	0125	S03	W65	.905	10544	28.2	7	1F		0125	.93	2.10			D
GRP27749	02	0223	0235	0225	N18	W32	.639	10561	30.7	12	-N			1.67				2 2 2 5
VORO	02	0221	0237	0224	N17	W33	.642	10561	30.6	16	1B		0224	2.50	3.15		107	EJ
MITK	02	0224	0232	0225	N18	W30	.618	10561	30.9	8	-F		0225	.83	1.10			EH
GRP27750	02	0448	0529	0457	N18	W33	.650	10561	30.7	41	-B			1.45				2 2 2 4
CULG	02	0447E	0545		N18	W33	.650	10561	30.7	58D	1B		0502	1.86	2.29			L
MITK	02	0449	0512	0457	N18	W32	.639	10561	30.8	23	-N		0457	1.03	1.40			E
GRP27751	02	0535	0601	0540	S07	W67	.917	10544	28.2	26	-F			.88				2 2 2 5
CULG	02	0534E	0601	0537	S07	W67	.917	10544	28.2	27D	1N		0537	.93				
MANI	02	0535	0554D	0543	S07	W67	.917	10544	28.2	19D	-F	1	0543	.83	1.55			
GRP27752	02	0617	0632	0621	S05	W70	.937	10544	28.0	15	-F			.83				2 2 2 4
MANI	02	0613E	0635D	0620	S04	W70	.938	10544	28.0	22D	-N	1	0620	.93	1.86			
MITK	02	0620	0629	0622	S05	W70	.937	10544	28.0	9	1F		0622	.72				D
GRP27754	02	0932	0959	0937	N18	W34	.660	10561	30.8	27	-N			2.27				4 4 3 6
CAPE	02	0932	1000	0936	N18	W35	.671	10561	30.8	28	-N		0936	1.13	1.50			
MONT	02	0932E	1004	0938	N18	W34	.660	10561	30.8	32D	-N		0939	1.55				
WEND	02	0932	1000		N19	W33	.657	10561	30.9	28	1N			4.13				
ONDR	02	0939E	0953		N18	W34	.660	10561	30.9	14D	1N		0941			2.30		CJ
GRP27757	02	1341	1407	1347	N20	W37	.704	10561	30.8	26	--N			.56				3 3 3 6
HUAN	02	1340	1354D	1345U	N22	W40	.745	10561	30.6	14D	-N	1	1345	.57	.79			E
MONT	02	1341	1404	1347	N18	W36	.681	10561	30.9	23	-F		1347	.52				
CATA	02	1345E	1410D	1350	N19	W36	.688	10561	30.9	25D	-B		1350	.58	.81		269	
GRP27758	02	1410	1448	1414	S10	E12	.217	10566	3.5	38	-N			1.01				5 4 4 6
CAPE	02	1409	1435D	1412	S10	E12	.217	10566	3.5	26D	-N		1412	.95	1.00			H
MONT	02	1410	1459	1412	S10	E13	.233	10566	3.6	49	-N		1412	1.13				H
RAMY	02	1410	1436	1416	S09	E12	.212	10566	3.5	26	-F			.52				DE
CATA	02	1412E	1425D	1415	S11	E12	.222	10566	3.5	13D	-B		1415	1.44	1.49		275	
CAPS	02	1426E	1432D		S10	E10	.185	10566	3.4	6D	1F	1				158		H
GRP27759	02	1439	1458	1448	S14	W90	1.000	10542	26.9	19	--F			1.55				2 2 1 3
MONT	02	1439	1455	1449	S14	W90	1.000	10542	26.9	16	-N		1449	1.55				
RAMY	02	1439	1500	1446	S14	W90	1.000	10542	26.9	21	-F							DE

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	DATE 1970 FEB	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.															
760 RAMY	02	1513	1537	1517	N18	W37	.691	10561	30.9	24	--F	C		.67				DE	3		
761 RAMY	02	1535	1547	1540	S14	W90	1.000	10542	26.9	12	-N	C						DE	3		
762 HUAN	02	1550	1649	1557	S11	E09	.176	10566	3.3	59	--N	1 C	1557	.57	.60			E	3		
3 STATIONS REPORTING GROUP 27764. 1 STATIONS OBSERVING AND NOT REPORTING.																					
GRP27764	02	1801	1840	1810	S29	E26	.553	10556	4.7	39	1N			2.40				2	2	2	3
BOUL	02	1800	1840	1810	S29	E26	.553	10556	4.7	40	1N	C		1.90	2.30			L			
RAMY	02	1801	1832D	1810U	S28	E26	.544	10556	4.7	31D	1N	C		2.89				F			
27764	02	1802	1852	1830	S28	E28	.565	10556	4.9	50	*-N			1.21				2	2	1	4
BOUL	02	1802	1852D		S28	E28	.565	10556	4.9	50D	1N	S									
HUAN	02	1827E	1849D	1830U	S27	E27	.546	10556	4.8	22D	-N	1 P	1830	1.21	1.40			E			
GRP27765	02	2037	2055	2043	S08	W77	.972	10544	28.1	18	-N			.64				3	3	3	4
CULG	02	2036	2100	2041	S07	W78	.976	10544	28.0	24	1N	C	2041	.98							
HUAN	02	2038	2054	2047	S08	W78	.976	10544	28.0	16	-F	1 C	2047	.25	.49			D			
BOUL	02	2040E	2050	2040D	S09	W74	.958	10544	28.3	10D	-N	C		.70	1.60						
766 CULG	02	2143E	2233D	2157	S23	W89	.998	10542	27.2	50D	1B	C	2157	.57							3
	03	2110	2113	NO FLARE PATROL																	
768 CULG	03	2220	2312	2254	S03	W85	.996	10544	28.6	52	1N	C	2254	.62							1
770 MANI	04	0241E	0257	0243	N14	W49	.795	10549	31.4	16D	1F	2	0243	1.65	2.54						3
771 CATA	04	0730	0830	0740	N27	W26	.665	10550	2.4	60	1F		0740	1.62	2.18		148				4
GRP27772	04	1326	1340	1329	S11	W90	1.000	10544	28.8	14	-B							2	2	0	3
MCMA	04	1326	1340	1329	S11	W90	1.000	10544	28.8	14	-B	C	1329								
RAMY	04	1326E	1329D	1329U	S11	W90	1.000	10544	28.8	30	-B	C						DE			
GRP27773	04	1500	1535	1526	S07	W90	1.000	10544	28.9	35	-B			.50				2	2	1	5
HOUT	04	1500	1520	1506	S11	W90	1.000	10544	28.9	20	-N	C		.40	1.60						
HOUT	04	1520	1535	1526	S05	W90	1.000	10544	28.9	15	-B	C		.50	2.00						
RAMY	04	1525E	1525D		S06	W90	1.000	10544	28.9		-N	C						DE			
774 CULG	04	2159	2211	2202	N14	W59	.882	10549	31.5	12	1N	C	2202	1.24	2.40			LRS			2
	05	0654	0715	NO FLARE PATROL																	
	05	1002	1010	NO FLARE PATROL																	
779 RAMY	05	1930	1944		N14	W73	.967	10549	31.3	14	-N	C						DE			2
780 CULG	06	0352	0422	0359	S11	W37	.600	10566	3.4	30	1N	C	0359	1.86	2.25			RS			3
GRP27782	06	1342	1406	1348	S10	E04	.094	10560	6.9	24	--F			.31				2	2	2	5
HTPR	06	1341	1416	1352	S07	E06	.104	10560	7.0	35	-F	C	1352	.31	.30						
HUAN	06	1342	1355	1344	S12	E02	.104	10560	6.7	13	-F	1 C	1344	.31	.31			D			
GRP27783	06	1430	1447	1434	S19	W21	.407	10557	5.0	17	-N			1.17				4	4	3	5
HUAN	06	1430	1443	1434	S19	W20	.394	10557	5.1	13	-N	1 C	1434	.95	1.03			E			
HTPR	06	1430	1442	1433	S19	W21	.407	10557	5.0	12	-F	C	1433	1.13	1.20						
CATA	06	1430	1455	1435	S18	W21	.400	10557	5.0	25	-B		1435	1.44	1.59		283				
CAPS	06	1430E	1433D		S19	W20	.394	10557	5.1	3D	-N	1 S									
	06	1715	1719	NO FLARE PATROL																	
	06	1732	1752	NO FLARE PATROL																	
	06	1754	1802	NO FLARE PATROL																	
	06	1811	1830	NO FLARE PATROL																	
	06	1835	1846	NO FLARE PATROL																	
785 BOUL	06	2027	2033	2028	N05	E00	.197	10559	6.9	6	--F	V									2
786 BOUL	06	2100E	2112	2100	S11	E40	.640	10567	9.9	12D	--F	V									2
787 CULG	06	2258	0106	2358	S08	E15	.258	10569	8.1	128	1F	C	2358	2.48	2.40			C			3
	06	2359	0001	NO FLARE PATROL																	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE 1970 FEB	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH H _g	MAX. INT. %
					LAT.	MER. DIST.												
GRP27841	09	0615	0659	0628	N19	E21	.543	10568	10.8	44	1N						6 5 5 6	
CULG	09	0607	0744	0628	N19	E20	.534	10568	10.8	97	1B		0628	4.13	4.60		LT	
MANI	09	0612	0736	0635	N19	E20	.534	10568	10.8	84	2N	2	0635	5.16	6.30			
MITK	09	0620	0656	0626	N18	E20	.522	10568	10.8	36	1N		0626	3.51	4.10		EH	
CRON	09	0621	0640	0625	N18	E21	.532	10568	10.8	19	1N			2.40	2.90		EH	
KODA	09	0624E	0645	0625	N19	E23	.561	10568	11.0	210	2B		0634	5.43	5.40	3.66	FHJK	
HTPR	09	0710E	0729D		N19	E18	.516	10568	10.6	190	2N		0728	5.16	6.00		E	
GRP27847	09	1010	1045	1015	S13	W30	.504	10560	7.2	35	-B			.91			2 2 2 4	
CATA	09	1010	1020D	1015	S14	W29	.492	10560	7.2	100	-B		1015	.69	.80	275		
HTPR	09	1010	1045	1014	S12	W30	.501	10560	7.2	35	-N		1014	1.13	1.30		E	
GRP27849	09	1200	1422	1237	N18	E18	.504	10568	10.9	142	-N			1.69			3 3 3 5	
RAMY	09	1159	1250	1207	N17	E20	.511	10568	11.0	51	-N			.98			F	
HTPR	09	1200	1424D	1240	N19	E17	.508	10568	10.8	1440	1N		1240	3.09	3.60		E	
HUAN	09	1224E	1251	1237U	N18	E19	.513	10568	10.9	270	-N	1	1237	.80	.96		E	
HUAN	09	1224E	1245	1235	N17	E14	.459	10568	10.6	210	-F	1	1235	.21	.24		E	
HUAN	09	1340E	1420	1346U	N17	E20	.511	10568	11.1	400	-F	1	1346	.57	.68		E	
GRP27850	09	1227	1235	1230	S13	W31	.518	10560	7.2	8	--F			.27			2 2 2 6	
SANM	09	1226	1234	1230	S12	W31	.516	10560	7.2	8	-F	1		.17	.19		D	
RAMY	09	1227	1236	1230	S13	W31	.518	10560	7.2	9	-N			.36			DE	
GRP27852	09	1400	1405	1402	S12	W32	.530	10560	7.2	5	-N			1.19			3 3 3 6	
HTPR	09	1400	1405	1403	S12	W31	.516	10560	7.3	5	-B		1403	1.44	1.60			
SANM	09	1400	1405	1402	S11	W31	.514	10560	7.3	5	-F	1		1.62	1.91		E	
HUAN	09	1400	1404	1402	S13	W34	.561	10560	7.0	4	-N	1	1402	.52	.62		D	
GRP27854	09	1440	1446	1442	N21	E19	.548	10568	11.0	6	--F			.44			2 2 2 5	
HUAN	09	1440	1447	1442	N21	E17	.533	10568	10.9	7	-N	1	1442	.55	.66		E	
SANM	09	1440	1445	1441	N21	E20	.557	10568	11.1	5	-F	1		.32	.38		E	
GRP27856	09	1508	1519	1510	N19	E15	.492	10568	10.8	11	--N			.52			4 4 3 6	
RAMY	09	1507	1518	1509U	N18	E14	.472	10568	10.7	11	-B			.62			F	
SANM	09	1508	1519	1510	N19	E15	.492	10568	10.8	11	-F	1		.48	.55		DT	
BOUL	09	1509E	1514D	1510	N19	E14	.485	10568	10.7	50	-N							
HUAN	09	1509	1520	1511	N18	E14	.472	10568	10.7	11	-N	1	1511	.45	.52		E	
HUAN	09	1514	1526D	1524U	N19	E19	.525	10568	11.1	120	-N	1	1524	.80	.97		E	
GRP27858	09	1515	1520	1517	S22	E37	.628	10571	12.4	5	--F			.19			2 2 2 5	
SANM	09	1515	1519	1516	S21	E37	.624	10571	12.4	4	-F	1		.17	.21		E	
RAMY	09	1517E	1520D	1518	S22	E37	.628	10571	12.4	30	-F			.21			DE	
859 SANM	09	1552	1603	1557	N18	E15	.479	10568	10.8	11	--F	1		.65	.73		E 3	
860 SANM	09	1606	1625	1610	N17	E13	.451	10568	10.6	19	--F	1		.97	1.08		E 3	
GRP27861	09	1653	1700	1655	N18	E14	.472	10568	10.8	7	--F			.69			2 2 2 4	
RAMY	09	1653	1658	1655	N18	E14	.472	10568	10.8	5	-N			.72			DE	
SANM	09	1653	1701	1654	N18	E14	.472	10568	10.8	8	-F	1		.65	.73		E	
862 SANM	09	2041	2055	2042	S12	E00	.095	10567	9.9	14	--F	1		1.29	1.29		E 3	
864 MANI	09	2252E	2305	2253	S10	W39	.626	10560	7.0	130	--F	1	2253	.83	1.06		2	
GRP27865	09	2332	0006	2336	N19	E11	.465	10568	10.8	34	-N			1.50			2 2 2 4	
MANI	09	2332E	0018	2336	N19	E11	.465	10568	10.8	460	-N	2	2336	1.65	1.87			
MITK	09	2340E	2354		N18	E11	.451	10568	10.8	140	-N		2340	1.34	1.50		E	
GRP27866	10	0026	0045	0029	S12	E71	.940	10578	15.3	19	-N			.82			2 2 2 4	
CULG	10	0026	0050	0029	S11	E72	.946	10578	15.4	24	1N		0029	.83				
CRON	10	0026	0040	0028	S12	E70	.934	10578	15.3	14	-N			.80	1.90			
GRP27867	10	0028	0116	0041	N19	E10	.460	10568	10.8	48	-F			1.65			2 2 2 4	
MITK	10	0028	0110	0041	N18	E10	.446	10568	10.8	42	1F		0041	2.17	2.40		E	
MANI	10	0035E	0122	0041	N19	E10	.460	10568	10.8	470	-N	2	0041	1.13	1.30			
GRP27868	10	0149	0211	0156	N18	E11	.452	10568	10.9	22	-N			2.18			3 3 3 5	
MITK	10	0149	0210	0155	N17	E11	.438	10568	10.9	21	-N		0155	1.13	1.30		E	
MANI	10	0150E	0212		N19	E12	.472	10568	11.0	220	-N	1	0153	1.75	2.00			
KODA	10	0152E	0212D	0157	N19	E11	.466	10568	10.9	200	1N		0157	3.65	3.60		F	
GRP27873	10	0735	0800	0741	N19	E11	.466	10568	11.1	25	1N			1.90			3 3 2 7	
TEHR	10	0730	0815D		N19	E11	.466	10568	11.1	450	1N							
CRON	10	0737	0750	0741	N18	E11	.452	10568	11.1	13	-N			1.10	1.20			
ABST	10	0737	0756	0740	N19	E12	.472	10568	11.2	19	1N		0740	2.70	3.00		FJK	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1970	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. %			
27873	10	0745	0830	0805	N18	E08	.436	10568	10.9	45	*-N							3 3 2 8		
CATA	10	0745E	0840	0805	N18	E07	.431	10568	10.8	55D	-B		0805	1.21	1.39	1.55	219			
TEHR	10	0745	0815D		N18	E07	.431	10568	10.8	30D	-N									
MANI	10	0802E	0820		N19	E10	.460	10568	11.1	18D	-N	1	0803	1.03	1.20					
GRP27874	10	0914	0945	0917	N18	E05	.424	10568	10.8	31	-N			1.48				2 2 2 5		
ABST	10	0914E	0920D	0914	N18	E05	.424	10568	10.8	6D	-F	P	0914	1.80	2.00			BJ		
CATA	10	0920E	0945D	0920	N17	E05	.408	10568	10.8	25D	-B		0920	1.16	1.28			234		
GRP27875	10	1001	1009	1004	S13	E22	.384	10571	12.1	8	--F			.74				2 2 2 4		
CATA	10	1000E	1010D	1005	S13	E21	.369	10571	12.0	10D	-N		1005	.58	.62			195		
ABST	10	1002	1008	1003	S12	E22	.381	10571	12.1	6	-F	C	1003	.90	1.00			D		
GRP27876	10	1019	1100	1033	N18	E04	.421	10568	10.7	41	-N			1.18				3 3 2 8		
CATA	10	1015E	1035D	1030	N17	E04	.405	10568	10.7	20D	-B		1030	1.16	1.28			245		
TEHR	10	1023	1055D	1036	N17	E03	.403	10568	10.7	32D	1N									
CAPS	10	1035E	1100D		N20	E05	.454	10568	10.8	25D	-N	1	S	1040	1.20	1.30			166	
	10	1125	1129	NO FLARE PATROL																
880 SANM	10	1159	1245	1208	N18	E00	.416	10568	10.5	46	--F	1	C		.65	.71			ET	2
881 SANM	10	1250	1300	1253	S11	W47	.727	10560	7.0	10	--F	1	C		.80	1.18			E	3
882 SANM	10	1314	1325	1316	N18	E00	.416	10568	10.6	11	--F	1	C		.65	.71				2
885 SANM	10	1621	1644	1623	N18	W02	.417	10568	10.5	23	-N	1	C		.97	1.06			ET	2
886 SANM	10	1657	1730	1706	N17	W02	.401	10568	10.6	33	--F	1	C		.65	.71			L	2
GRP27887	10	1816	1826	1817	N18	W03	.419	10568	10.5	10	--F			1.06					2 2 2 3	
SANM	10	1816	1825	1817	N18	W03	.419	10568	10.5	9	-F	1	C	1.29	1.41					
RAMY	10	1816	1826		N17	W02	.401	10568	10.6	10	-F		C	.83					DE	
GRP27888	10	1856	1913	1903	N20	E05	.454	10568	11.2	17	--F			.32					2 2 2 3	
SANM	10	1856	1914	1901	N20	E04	.452	10568	11.1	18	-F	1	C	.17	.18				D	
RAMY	10	1904E	1912	1904U	N19	E05	.439	10568	11.2	8D	-N		C	.46					DE	
GRP27889	10	1941	2004	1947	N18	W03	.419	10568	10.6	23	--F			1.01					3 3 3 3	
SANM	10	1940	1954	1946	N18	W04	.421	10568	10.5	14	-F	1	C	.65	.71				E	
RAMY	10	1941	2002	1945	N18	W02	.417	10568	10.7	21	-N		C	1.39					F	
HOUT	10	1943	2015	1949	N17	W04	.405	10568	10.5	32	-F		C	1.00	1.10					
GRP27890	10	2005	2023	2009	N18	W04	.421	10568	10.5	18	-N			1.16					2 2 2 4	
SANM	10	2005	2019	2007	N18	W04	.421	10568	10.5	14	-F	1	C	1.29	1.41				E	
RAMY	10	2005	2027	2010	N18	W03	.419	10568	10.6	22	-B		C	1.03					F	
892 RAMY	10	2010	2055		S22	E23	.454	10571	12.6	45	--N		C	.83					DE	3
	10	2245	2248	NO FLARE PATROL																
GRP27893	10	2341	2354	2345	S15	E18	.335	10571	12.3	13	--N			.57					2 2 2 4	
MITK	10	2340	2351	2344	S15	E18	.335	10571	12.3	11	-N		C	2344	.52	.60			D	
MANI	10	2341	2357	2346	S14	E18	.329	10571	12.3	16	-N	1		2346	.62	.65				
GRP27894	10	2341	0003	2351	S14	W16	.299	10567	9.8	22	1F			2.37					4 4 4 4	
CULG	10	2339	0100	2359	S11	W17	.298	10567	9.7	81	1N	P	2359	2.58	2.51				S	
MANI	10	2340	0007	2351	S14	W14	.270	10567	9.9	27	1F	1		2351	2.84	2.90				
MITK	10	2341	2356	2344	S15	W15	.292	10567	9.9	15	1N		C	2344	1.96	2.10				E
CRON	10	2342	0005	2350	S14	W17	.314	10567	9.7	23	1F		C	2.10	2.20					
5 STATIONS REPORTING GROUP 27895. 0 STATIONS OBSERVING AND NOT REPORTING.																				
GRP27895	11	0207	0234	0213	N19	W04	.437	10568	10.8	27	-B			1.69					4 4 4 5	
CULG	11	0200	0315	0217	N20	W03	.451	10568	10.9	75	1B		C	0217	2.27	2.40				
MITK	11	0209	0235	0212	N18	W04	.422	10568	10.8	26	-N		C	0212	1.13	1.20				E
CRON	11	0210	0230	0211	N19	W04	.437	10568	10.8	20	1N		C	0210	1.90	2.10				E
MANI	11	0210	0236D		N19	W03	.435	10568	10.9	26D	-B	1		0220	1.44	1.64				
27895	11	0217	0315	0227	N19	W03	.435	10568	10.9	58	*2B			5.79					2 1 1 5	
KODA	11	0217E	0315	0227	N19	W03	.435	10568	10.9	58D	2B		P	0302	5.79	5.80	2.08			IK
MITK	11	0249	0306	0252	N18	W05	.425	10568	10.7	17	-N		C	0252	.72	.80				E
GRP27897	11	0531	0559	0539	N30	E49	.862	10576	14.9	28	-N			1.06					2 2 2 4	
CRON	11	0530	0550	0539	N29	E47	.844	10576	14.8	20	1N		C	0538	1.50	2.70				
MITK	11	0531	0608	0538	N31	E51	.879	10576	15.1	37	-N		C	.62	1.40				EGH	
GRP27898	11	0541	0635	0546	N17	W04	.406	10568	10.9	54	1N			1.96					2 1 1 4	
MITK	11	0541	0635	0546	N17	W04	.406	10568	10.9	54	1N		C	0546	1.96	2.10				E
MANI	11	0556	0650	0558	N18	W01	.417	10568	11.2	54	-B	1		0558	1.29	1.30				

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1970 FEB	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.												
8 STATIONS REPORTING GROUP 27899. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP27899	11	0703	0827	0711	N18	W06	.428	10568	10.8	84	2B			7.71			6 5 5 6	
TEHR	11	0640	0830D	0655	N18	W07	.432	10568	10.8	1100	2B							
CULG	11	0701	0829D	0710	N18	W06	.428	10568	10.8	880	2B	P	0710	8.25	8.96		L	
MANI	11	0704	0824D	0711	N18	W04	.422	10568	11.0	80D	2B	2	0711	6.19	6.84			
CRON	11	0705	0755	0710	N19	W05	.440	10568	10.9	50	2B	C		6.00	6.60			
MITK	11	0707E	0735D	0708	N19	W06	.443	10568	10.8	28D	2B	C	0708	8.15	9.10		FIU	
BUCA	11	0714E	0905	0717	N18	W07	.432	10568	10.8	111D	2B	C	0717	9.96	11.00			
27899	11	0752	0857	0830	N19	W07	.447	10568	10.8	65	*1B			3.04			2 2 2 5	
KODA	11	0752E	0834	0825	N19	W06	.443	10568	10.9	42D	-B	C	0815	1.43	1.40	1.84	EK	
CATA	11	0825E	0920D	0834	N18	W07	.432	10568	10.8	55D	2B		0834	4.64	5.16		HT	
GRP27901	11	1130	1200	1145	N18	W08	.436	10568	10.9	30	1F						3 2 0 5	
TEHR	11	1130	1200D	1145	N19	W06	.443	10568	11.0	30D	1N							
TEHR	11	1130E	1200D	1145	N17	W04	.406	10568	11.2	30D	1N							
MEUD	11	1132E	1142	1133	N18	W06	.428	10568	11.0	10D	-N							
ONDR	11	1135E	1200D		N18	W10	.447	10568	10.7	25D	2F	C					CE BCIU	
GRP27904	11	1456	1522	1502	N18	W08	.436	10568	11.0	26	-N			1.14			5 5 3 6	
CATA	11	1455	1518	1500	N18	W07	.432	10568	11.1	23	-B		1500	1.04	1.16		T E E	
MEUD	11	1456E	1501D	1500	N18	W08	.436	10568	11.0	5D	-F							
HTPR	11	1457	1517	1501	N16	W10	.418	10568	10.9	20	-N	C	1501	1.55	1.60		E	
BOUL	11	1457	1530	1502	N19	W10	.461	10568	10.9	33	-N	V						
RAMY	11	1458E	1510D	1505U	N20	W05	.455	10568	11.2	12D	-N	V			.83		F	
GRP27905	11	1534	1625	1600	N18	W15	.481	10568	10.5	51	--F			.93			2 2 1 3	
BOUL	11	1534	1625	1600	N19	W13	.480	10568	10.7	51	-N	V						
HTPR	11	1555	1617D		N16	W16	.464	10568	10.5	22D	-F	C	1605	.93	1.00		E	
GRP27907	11	1641	1700	1643	N19	W09	.456	10568	11.0	19	-N			1.10			1 1 1 2	
BOUL	11	1641	1650	1643	N19	W09	.456	10568	11.0	9	-N	C		1.10	1.20		IE	
BOUL	11	1642	1700	1644	N19	W09	.456	10568	11.0	18	-N	V						
908 SANM	11	1729	1733	1730	N16	W11	.424	10568	10.9	4	--F	1	C	.17	.20		D 3	
GRP27909	11	1744	1751	1746	S15	E05	.169	10571	12.1	7	--F			.17			2 2 1 3	
SANM	11	1744	1752	1746	S15	E04	.161	10571	12.0	8	-F	1	C	.17	.17		D	
BOUL	11	1744	1750	1746	S14	E05	.154	10571	12.1	6	-N	V						
GRP27912	11	2003	2038	2013	N18	W13	.466	10568	10.9	35	-N			1.62			3 3 3 4	
MCMA	11	2000E	2034D		N18	W13	.466	10568	10.9	34D	-N		2023	1.55	1.80		E	
SANM	11	2005	2041	2016	N18	W14	.473	10568	10.8	36	-N	1	C	1.62	1.85		EL	
BOUL	11	2005	2035	2010	N18	W11	.453	10568	11.0	30	-N	C		1.70	1.90		IE	
6 STATIONS REPORTING GROUP 27913. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP27913	11	2110	2331	2121	N18	W13	.466	10568	10.9	141	2B			6.81			4 3 2 4	
BOUL	11	2045	2105	2050	N18	W11	.453	10568	11.0	20	-N	C		1.70	1.90		IE	
CULG	11	2047	2331	2121	N18	W14	.473	10568	10.8	164	2B	C	2121	8.46	9.48		LT	
MCMA	11	2110E	2200D	2122	N19	W12	.473	10568	11.0	50D	2B	C	2122	5.16	5.80		FYZ	
BOUL	11	2110	2155D	2115	N17	W12	.445	10568	11.0	45D	1B	C		3.50	3.90		EIK	
BOUL	11	2110	2155D	2121	N17	W12	.445	10568	11.0	45D	1B							
BOUL	11	2111	2241	2119	N19	W14	.486	10568	10.8	90	2B	V						
HOUT	11	2146E	2155D	2146E	N19	W13	.480	10568	10.9	9D	1B	C		3.70	4.10		E	
BOUL	11	2205E	2250U	2205E	N19	W14	.486	10568	10.9	45D	1B	C		4.30	4.90		BE	
27913	11	2250	2348	2310	N19	W14	.486	10568	10.9	58	*2F			5.16			2 1 1 3	
MANI	11	2250E	2348		N19	W14	.486	10568	10.9	58D	2F	1		5.16	6.00			
VORO	11	2259	2356	2310	N17	W16	.476	10568	10.8	57	3F	C	2310	11.64	13.08		100 FHJL	
GRP27914	12	0002	0127	0011	N18	W17	.497	10568	10.7	85	1N			3.74			5 5 5 5	
CULG	11	2346	0130	0017	N18	W16	.489	10568	10.8	104	1N	C	0017	3.30	3.68		LT	
MITK	11	2354E	0120	0008	N18	W17	.497	10568	10.7	86D	1N	C	0008	2.37	2.70		E	
VORO	12	0003	0118	0010	N17	W18	.494	10568	10.7	75	2N	C	0010	9.24	10.46		134 FJL	
MANI	12	0004	0138	0011	N20	W16	.515	10568	10.8	94	1N	2	0011	2.48	2.86			
CRON	12	0005	0025	0010	N18	W20	.524	10568	10.5	20	-N	C		1.30	1.50		I	
GRP27915	12	0120	0134	0122	S14	E16	.298	10571	13.3	14	-N			1.18			3 3 3 5	
MANI	12	0118	0125D	0122	S13	E15	.277	10571	13.2	7D	-N	2	0122	1.03	1.04			
VORO	12	0120	0131	0121	S14	E16	.298	10571	13.3	11	-B		0121	1.57	1.61		85 E	
MITK	12	0121	0137	0122	S15	E17	.320	10571	13.3	16	-N	C	0122	.93	1.00		E	
GRP27916	12	0153	0220	0159	N18	W17	.498	10568	10.8	27	1N			3.41			3 3 3 6	
MANI	12	0150	0220	0206	N20	W15	.507	10568	11.0	30	-N	2	0206	1.03	1.19			
MITK	12	0154	0220	0157	N18	W20	.524	10568	10.6	26	-N		0157	1.34	1.60		E	
VORO	12	0155	0220	0155	N17	W17	.485	10568	10.8	25	2N	C	0155	7.86	8.90		107 FJL	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE 1970 FEB	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. %	
GRP27919	12	0302	0330	0304	N18	W19	.515	10568	10.7	28	1N							4 4 4 6	
CULG	12	0301	0332	0304	N19	W18	.518	10568	10.8	31	1N	C	0304	2.06	2.30			LT	
CRON	12	0302	0322	0305	N18	W20	.524	10568	10.6	20	1N	C		1.80	2.10			I	
MITK	12	0303	0325	0304	N17	W20	.513	10568	10.6	22	1N	C	0304	2.78	3.30			E	
MANI	12	0304E	0340		N18	W19	.515	10568	10.7	36D	-N	1	0304	1.55	1.82				
GRP27921	12	0522	0558	0530	N19	W19	.527	10568	10.8	36	1N			3.95				7 7 6 7	
MANI	12	0515	0556	0526	N20	W17	.522	10568	10.9	41	-N	2	0526	1.96	2.30				
MITK	12	0521	0532D	0525	N18	W20	.524	10568	10.7	110	1F	C	0525	1.86	2.20			E	
CULG	12	0521E	0526D	0524	N19	W21	.544	10568	10.6	50	1N	P	0524	1.86	2.16			T	
CRON	12	0525E	0605	0535U	N16	W20	.502	10568	10.7	40D	1N	C		3.30	3.80			EI	
SIBE	12	0525E	0543		N19	W19	.527	10568	10.8	18D	2F	V						EK	
KODA	12	0526	0552	0533	N19	W20	.535	10568	10.7	26	1B	C	0536	3.80	3.80	2.00			
TACH	12	0530E	0615	0538	N20	W19	.538	10568	10.8	45D	3N	C	0538	10.94	12.80	2.10	180	FIJKZ	
TACH	12	0530E	0615	0530	N20	W19	.538	10568	10.8	45D	3N	C	0530			2.10			
GRP27926	12	0746	0845	0802	N18	W20	.524	10568	10.8	59	1B			3.67				8 6 6 9	
CULG	12	0740E	0756D		N18	W20	.524	10568	10.8	16D	1N	P	0754	2.27	2.28				
CATA	12	0745E	0930	0810	N18	W19	.515	10568	10.9	105D	1B		0810	3.19	3.76		289		
TACH	12	0746	0830	0754	N20	W20	.547	10568	10.8	44	2B	C	0754	9.57	11.30	1.80	152	FIJZ	
MANI	12	0748	0901	0801	N19	W17	.510	10568	11.1	73	1B	2	0801	2.06	2.40				
CRON	12	0750	0840	0804U	N18	W20	.524	10568	10.8	50	1N	C		2.50	3.00			EI	
CAPS	12	0759E	0847D		N17	W24	.552	10568	10.5	48D	1B	3	0805	2.40	3.20		210		
CAPF	12	0810E	0915D		N18	W19	.515	10568	10.9	65D	2N	P	0814	4.74	5.52				
HURB	12	0825E	0849D	0834	N18	W15	.481	10568	11.2	24D	1F								
GRP27928	12	1004	1034	1011	S23	E90	.999	10581	19.2	30	1F			1.80				3 3 1 7	
HURB	12	1003E	1021D	1008	S23	E90	.999	10581	19.2	18D	1F					4.50		A	
ABST	12	1004	1034D	1013	S22	E90	.999	10581	19.2	30D	2N	P	1026	1.80				H	
CAPS	12	1010E	1024D		S25	E90	.999	10581	19.2	14D	-F	3	V						
GRP27929	12	1050	1130	1052	S19	E01	.214	10571	12.5	40	--B			.47				3 2 2 8	
CATA	12	1050	1120D	1050	S17	E01	.180	10571	12.5	30D	-B		1050	.46	.47		269		
CATA	12	1050	1100	1050	S21	E01	.248	10571	12.5	10	-N		1050	.40	.42		155	Z	
SANM	12	1050E	1130	1054	S16	W01	.163	10571	12.4	40D	-N	1	P	.48	.49			E	
SANM	12	1050E	1100	1053	S20	E00	.230	10571	12.5	10D	-F	1	P	.17	.17			D	
RAMY	12	1118E	1128	1118U	S10	W11	.197	10571	11.6	10D	-F			.52				DE	
GRP27930	12	1140	1218	1144	S13	W01	.111	10571	12.4	38	-N			1.25				4 4 4 8	
SANM	12	1139	1222	1141	S13	E04	.130	10571	12.8	43	-N	1	C	.80	.81			E	
RAMY	12	1140	1208	1147	S13	W02	.115	10571	12.3	28	-N			.93				F	
CATA	12	1140	1225	1145	S13	W03	.121	10571	12.3	45	-B		1145	1.39	1.40		295	Z	
CAPF	12	1142E	1150D		S13	W02	.115	10571	12.3	80	-N		1144	1.86	1.89				
GRP27932	12	1326	1410	1335	N19	W25	.582	10568	10.7	44	1N			4.13				3 2 1 7	
HURB	12	1326	1350	1332	N17	W27	.583	10568	10.5	24	1F					2.00			
MONT	12	1335E	1430D	1337	N20	W23	.573	10568	10.8	55D	1B	C	1337	4.13					
CATA	12	1400E	1445	1410	N18	W23	.552	10568	10.9	45D	1B		1410	2.32	2.80		269		
GRP27933	12	1336	1357	1340	S14	W02	.132	10571	12.4	21	--B							(See unconfirmed list for details.)	
GRP27936	12	1641	1654	1645	S21	E89	.998	10581	19.4	13	-N			.60				5 5 2 5	
RAMY	12	1640	1654	1644	S22	E90	.999	10581	19.4	14	-N	C						DE	
CANR	12	1640E	1655	1645U	S20	E85	.993	10581	19.1	15D	-N	C		.50	1.60			I	
HOUT	12	1641	1655	1645	S22	E90	.999	10581	19.4	14	1B	C		.70	2.40			H	
BOUL	12	1641E	1658	1645	S20	E90	.999	10581	19.4	17D	-N	V							
MCMA	12	1643E	1650	1644	S22	E90	.999	10581	19.4	7D	-N	C	1644						
GRP27938	12	1709	1718	1713	N18	W26	.582	10568	10.8	9	--N			.72				2 2 1 4	
MCMA	12	1708	1720D	1713	N17	W28	.594	10568	10.6	12D	-N	C	1713	.72	.80			E	
BOUL	12	1709	1716	1712	N18	W24	.562	10568	10.9	7	-N	V							
940 MCMA	12	1805E	1839D		N17	W28	.594	10568	10.7	34D	1N	P	1807	1.80	2.20			E	
941 BOUL	12	1859	1908	1901	S17	W03	.186	10571	12.6	9	--F	V						2	
GRP27942	12	1901	1912	1904	N23	W24	.613	10568	11.0	11	--F			.90				2 2 1 2	
HOUT	12	1900	1911	1904	N22	W26	.621	10568	10.8	11	-N	C		.90	1.20				
BOUL	12	1902	1912	1904	N23	W21	.589	10568	11.2	10	-F	V							
	12	2020	2130		NO FLARE PATROL														
943 HOUT	12	2154	2217	2200	N17	W32	.636	10568	10.5	23	-N	C		1.00	1.30				1
	12	2220	2304		NO FLARE PATROL														
GRP27944	12	2311	2358	2338	N19	W29	.621	10568	10.8	47	1N			2.17				2 1 1 4	
CULG	12	2311	2358	2338	N19	W29	.621	10568	10.8	47	1N	C	2338	2.17	2.73			T	
MANI	12	2317	0007	2326	N19	W26	.592	10568	11.0	50	-F	1	2326	1.24	1.54				

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.												
GRP27947	13	0005	0028	0009	N18	W31	.634	10568	10.7	23	-N							2 2 2 4
MANI	13	0004	0023	0009	N17	W31	.626	10568	10.7	19	-N	2	0009	1.03	1.35			
MITK	13	0005	0032	0008	N18	W30	.624	10568	10.8	27	-N		0008	1.34	1.70			E
GRP27948	13	0147	0202	0151	S19	E85	.993	10581	19.4	15	1F			1.44				2 1 1 5
CULG	13	0147	0202	0151	S19	E85	.993	10581	19.4	15	1F	C	0151	1.44				R
MANI	13	0159	0217	0203	S20	E88	.997	10581	19.7	18	-B	2	0203	.62	1.90			
GRP27950	13	0549	0614	0554	N17	W35	.669	10568	10.6	25	-N			1.13				2 1 1 5
MITK	13	0549	0614	0554	N17	W35	.669	10568	10.6	25	-N	C	0554	1.13	1.50			E
MANI	13	0556E	0621		N17	W31	.626	10568	10.9	25D	-N	2	0606	.93	1.22			
GRP27951	13	0727	0749	0730	N16	W34	.651	10568	10.8	22	-N			1.13				3 3 3 8
CULG	13	0725	0748	0729	N18	W33	.655	10568	10.8	23	1N	C	0729	2.68	3.51			T
MANI	13	0727	0734D	0731	N16	W33	.640	10568	10.8	7D	-N	2	0731	.41	.53			
CATA	13	0730	0750	0730	N15	W35	.655	10568	10.7	20	-B		0730	.29	.39			277
GRP27952	13	0758	0833	0808	N18	W33	.655	10568	10.9	35	1N			2.31				9 8 7 9
ISTA	13	0723	0845	0805	N18	W33	.655	10568	10.8	82	2B							
BUCA	13	0729	0850D	0807	N18	W33	.655	10568	10.8	81D	1F	C	0807	3.98	5.10			
CULG	13	0753	0830D	0807	N20	W32	.660	10568	10.9	37D	1B	P	0807	3.30	4.32			T
CRON	13	0800	0822	0808U	N15	W29	.588	10568	11.2	22	1N	C		2.30	2.90			T
CATA	13	0800	0840	0815	N16	W35	.662	10568	10.7	40	1B		0815	2.02	2.73			365
HTPR	13	0802	0821	0808	N17	W35	.669	10568	10.7	19	-B	C	0808	1.13	1.40			E
KODA	13	0803	0830	0807	N19	W35	.682	10568	10.7	27	-N	P	0805	1.76	1.80	2.04		EK
MANI	13	0813E	0829D		N18	W31	.634	10568	11.0	16D	-N	1	0814	1.65	1.94			
TACH	13	0819E	0836D		N18	W35	.675	10568	10.7	17D	1N	P	0820	3.71	5.00			BE
GRP27957	13	1304	1313	1307	N19	W36	.692	10568	10.8	9	--N			.37				3 2 2 4
CATA	13	1255	1310	1255	N19	W36	.692	10568	10.8	15	-B		1255	.46	.64			269
SANM	13	1302	1311	1306	N19	W36	.692	10568	10.8	9	-N	1		.32	.44			D
RAMY	13	1305	1315	1307	N18	W35	.675	10568	10.9	10	-N	C		.41				DE
GRP27958	13	1329	1339	1335	N19	W34	.672	10568	11.0	10	--B			.31				2 2 2 5
CATA	13	1325	1340	1335	N20	W32	.660	10568	11.2	15	-B		1335	.29	.39			204
SANM	13	1333	1338	1335	N18	W35	.675	10568	10.9	5	-N	1		.32	.43			D
GRP27960	13	1416	1429	1420	N19	W35	.682	10568	11.0	13	-N			.79				2 2 2 5
CATA	13	1415	1430	1420	N19	W35	.682	10568	11.0	15	-B		1420	1.16	1.61			240
RAMY	13	1417	1428	1419	N18	W35	.675	10568	11.0	11	-F	C		.41				DE
GRP27962	13	1436	1448	1439	N18	W38	.706	10568	10.8	12	--N			.55				3 3 3 4
CATA	13	1435	1445	1435	N19	W38	.712	10568	10.8	10	-B		1435	.52	.74			289
RAMY	13	1436	1450	1439	N17	W38	.700	10568	10.8	14	-N	C		.77				DE
MCHA	13	1439E	1450D		N18	W38	.706	10568	10.8	11D	-N	C	1440	.36	.50			E
GRP27963	13	1504	1511	1506	N19	W34	.672	10568	11.1	7	--B			.46				4 4 4 5
RAMY	13	1503	1514	1509	N18	W34	.665	10568	11.1	11	-B	C		.46				DE
SANM	13	1503	1513	1505	N19	W34	.672	10568	11.1	10	-B	1		.65	.89			E
MCHA	13	1504	1508	1505	N19	W35	.682	10568	11.0	4	-N	C	1504	.26	.40			D
CATA	13	1505	1510	1505	N20	W32	.660	10568	11.2	5	-B		1505	.46	.62			417
GRP27964	13	1526	1546	1531	S11	W71	.941	10569	8.3	20	--F			.82				2 2 2 6
RAMY	13	1526	1547	1531	S10	W73	.952	10569	8.2	21	-F	C		.93				F
HOUT	13	1530E	1545	1530U	S11	W69	.928	10569	8.5	15D	-N	C		.70	1.50			
GRP27965	13	1539	1547	1540	N19	W36	.692	10568	11.0	8	--F			.53				2 2 2 6
SANM	13	1538	1543	1540	N19	W36	.692	10568	11.0	5	-N	1		.80	1.14			E
RAMY	13	1539	1551	1540	N18	W36	.686	10568	11.0	12	-F	C		.26				DE
GRP27966	13	1753	1807	1757	N16	W39	.705	10568	10.8	14	--F			.93				4 4 3 6
RAMY	13	1752	1809	1758	N15	W38	.688	10568	10.9	17	-F	C		1.24				F
SANM	13	1752	1805	1757	N15	W39	.699	10568	10.8	13	-N	1		1.29	1.82			E
BOUL	13	1755	1808	1757	N16	W40	.715	10568	10.7	13	-F	V						
MCHA	13	1756E	1805D		N17	W39	.710	10568	10.8	9D	-N	C	1758	.26	.40			E
GRP27967	13	1849	1900	1851	N17	W40	.721	10568	10.8	11	-N			1.14				3 3 2 5
RAMY	13	1849	1856	1851	N17	W41	.731	10568	10.7	7	-N	C		.83				DE
SANM	13	1849	1903	1851	N17	W40	.721	10568	10.8	14	1B	1		1.45	2.13			E
BOUL	13	1851E	1853D	1851	N18	W38	.706	10568	10.9	2D	-F	S						
GRP27968	13	1949	1953	1951	N17	W38	.700	10568	11.0	4	--N			.35				3 3 3 4
SANM	13	1948	1953	1950	N17	W39	.710	10568	10.9	5	-N	1		.48	.67			D
RAMY	13	1949	1954	1952	N17	W37	.690	10568	11.1	5	-N	C		.36				DE
MCHA	13	1950	1953	1951	N18	W38	.706	10568	11.0	3	-N	C	1951	.21	.30			E
969 RAMY	13	2139	2145	2141	S12	E46	.715	10579	17.4	6	--N	C		.46				DE
970 BOUL	13	2207E	2212	2207	N18	W41	.736	10568	10.8	5D	--F	S						3

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1970 FEB	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. %		
3 STATIONS REPORTING GROUP 27971.					1 STATIONS OBSERVING					AND NOT REPORTING.								
GRP27971	13	2242	2324	(2302)	N19	W41	.742 10568	10.9	42	1F							2 2 1 4	
BOUL	13	2242E	2317		N19	W40	.732 10568	10.9	350	1N								
MANI	13	2254E	2331		N19	W41	.742 10568	10.9	370	1F	1	2302	2.89	4.26				
27971	13	2226	2340	2245	N20	W39	.728 10568	11.0	74	*1N			3.09				2 1 1 3	
CULG	13	2226	2340	2245	N20	W39	.728 10568	11.0	74	1N		2245	3.09	4.35			T	
MANI	13	2327	2353	2340	N14	W48	.787 10568	10.4	26	-N	1	2340	.52	.81				
GRP27974	14	0213	0233	0217	N17	W39	.711 10568	11.2	20	-B			.88				2 2 2 5	
MANI	14	0213	0236	0217	N16	W40	.715 10568	11.1	23	-B	2	0217	.72	1.04				
MITK	14	0213	0230	0216	N18	W38	.706 10568	11.2	17	-N		0216	1.03	1.40			D	
GRP27975	14	0335	0408	0341	S15	E43	.681 10579	17.4	33	1N			2.19				4 4 4 5	
MITK	14	0335	0403	0342	S15	E44	.693 10579	17.4	28	1N		0342	2.78	3.80			E	
CULG	14	0335	0405	0341	S14	E43	.680 10579	17.4	30	1N		0341	2.06	2.60			E	
CRON	14	0335	0405	0341	S15	E42	.669 10579	17.3	30	-B			1.20	1.60				
MANI	14	0335	0420	0339	S14	E44	.692 10579	17.4	45	1N	3	0339	2.73	3.79				
GRP27977	14	0415	0438	0420	N22	W45	.795 10568	10.8	23	-N			.62				2 1 1 5	
MITK	14	0415	0438D	0420	N22	W45	.795 10568	10.8	23D	-N		0420	.62	1.00			D	
MANI	14	0416	0508	0439	N19	W43	.761 10568	11.0	52	-N	3	0439	.93	1.41				
GRP27978	14	0430	0502	0437	S14	E43	.680 10579	17.4	32	1N			2.67				4 4 4 5	
MANI	14	0427	0518	0438	S14	E44	.692 10579	17.5	51	1N	3	0438	2.99	4.32				
CULG	14	0428	0459	0439	S14	E43	.680 10579	17.4	31	2N		0439	3.92	5.20				
MITK	14	0430	0455D	0436	S14	E43	.680 10579	17.4	25D	1N		0436	1.96	2.70			E	
CRON	14	0434	0455	0436	S14	E43	.680 10579	17.4	21	1B			1.80	2.50			E	
GRP27982	14	1010	1022	1010	N15	W55	.854 10568	10.3	12	-F			1.98				3 2 1 7	
ABST	14	1004	1022	1010	N15	W57	.871 10568	10.1	18	1F		1010	1.98	4.10			IJ	
TEHR	14	1015	1020D		N15	W53	.837 10568	10.5	5D	-F								
HURB	14	1016E	1021		N15	W54	.846 10568	10.4	5D	-N				1.80			B	
GRP27983	14	1032	1041	1035	N17	W59	.891 10568	10.0	9	-F			1.12				2 2 2 6	
ABST	14	1028	1042	1034	N17	W60	.898 10568	9.9	14	1F		1034	1.71	4.00			HIJ	
CATA	14	1035	1040	1035	N17	W58	.883 10568	10.1	5	-N		1035	.52	1.11		162		
985 RAMY	14	1129E	1150	1133	N13	W56	.857 10568	10.3	21D	--N			.41				DE 4	
986 RAMY	14	1141	1159	1144	S13	E24	.414 10578	16.3	18	--N			.31				DE 2	
987 RAMY	14	1309E	1323	1311	S11	W84	.992 10569	8.2	14D	--F			.31				DE 2	
GRP27988	14	1358	1415	1400	N15	W56	.863 10568	10.4	17	-N			1.09				4 4 4 4	
RAMY	14	1355	1426	1359	N13	W56	.857 10568	10.4	31	-N			.93				F	
MCMA	14	1356	1420	1359	N15	W57	.871 10568	10.3	24	-N		1359	.83	1.60			EH	
HOUT	14	1359E	1410	1400U	N12	W55	.846 10568	10.5	11D	-N			1.60	2.00				
CATA	14	1400	1405	1400	N18	W54	.855 10568	10.5	5	-B		1400	.98	1.91		302		
3 STATIONS REPORTING GROUP 27993.					0 STATIONS OBSERVING					AND NOT REPORTING.								
GRP27993	14	1745	1838	1812	S16	E34	.567 10579	17.3	53	1F			2.30				2 2 1 3	
BOUL	14	1745	1835	1813	S15	E33	.550 10579	17.2	50	1F								
HOUT	14	1810E	1840D	1810E	S17	E34	.570 10579	17.3	30D	1N			2.30	2.80			BE	
27993	14	1749	1835	1800	S16	E32	.539 10579	17.1	46	*-F			2.22				2 2 2 3	
BOUL	14	1745	1835	1800	S15	E33	.550 10579	17.2	50	1F			3.00	3.60			EK	
RAMY	14	1753	1834	1759	S17	E31	.529 10579	17.1	41	-F			1.44				F	
GRP27994	14	1818	1857	1829	N19	W53	.850 10568	10.8	39	1N			1.79				3 3 3 3	
RAMY	14	1817	1908	1831	N18	W52	.838 10568	10.9	51	1N			2.37				F	
BOUL	14	1818	1910	1831	N20	W52	.845 10568	10.9	52	1N								
HOUT	14	1820	1840D	1828	N19	W53	.850 10568	10.8	20D	1N			1.60	2.90			E	
BOUL	14	1824	1845	1829	N19	W54	.858 10568	10.7	21	1N			1.40	2.50				
995 BOUL	14	1848	1900	1854	S10	E35	.570 10579	17.4	12	--F							2	
GRP27996	14	1949	1955	1950	S13	W31	.517 10571	12.5	6	--N			.41				2 2 1 3	
RAMY	14	1948	1950D	1950U	S13	W32	.531 10571	12.4	2D	-N			.41				DE	
BOUL	14	1949	1955	1950	S12	W29	.486 10571	12.7	6	-N								
997 BOUL	14	2016	2022	2016	S12	W29	.486 10571	12.7	6	--F							1	
	14	2110	2113	NO FLARE PATROL														
998 BOUL	14	2155	2205	2156	N17	W52	.835 10568	11.0	10	--F							2	
000 VORO	14	2329E	2345		S11	E33	.543 10579	17.5	16D	1N			2335	1.85	2.15		81	EJ 2

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE 1970 FEB	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. %	
001 VORO	15	0052	0058	0054	S20	E58	.845	10581	19.4	6	-B	C	0054	1.11	1.94		76	E 3	
GRP28002	15	0522	0537	0523	S19	E54	.807	10581	19.3	15	1N			1.76				4 4 2 4	
MANI	15	0520E	0536D	0524	S21	E56	.828	10581	19.4	16D	1N	3	0524	1.86	3.20				
CULG	15	0520	0544	0522	S22	E53	.801	10581	19.2	24	1B	C	0522	1.65	2.72			V	
SIBE	15	0522	0532		S21	E56	.828	10581	19.4	10	1F	V						CE	
TEHR	15	0527	0536D		S12	E51	.772	10581	19.1	90	1F								
GRP28009	15	1040	1107	1046	N18	W60	.900	10568	10.9	27	1F			1.08				2 2 1 3	
TEHR	15	1040E	1107D	1045	N17	W58	.883	10568	11.1	27D	1N								
ABST	15	1047E	1107	1047	N21	W57	.887	10568	11.2	20D	1F	P	1047	1.08	2.80		54	FIJ	
TEHR	15	1055E	1115D		N14	W66	.932	10568	10.5	200	1F								
010 RAMY	15	1507	1538	1514	S12	E24	.410	10579	17.4	31	--F	C		1.86				F 2	
GRP28011	15	1551	1602	1554	S22	E52	.791	10581	19.6	11	--F			.52				2 2 1 3	
RAMY	15	1548	1604	1552	S22	E53	.801	10581	19.6	16	-F	C		.52				DE	
BOUL	15	1554	1559	1556	S22	E50	.771	10581	19.4	5	-N	V							
GRP28012	15	1641	1658	1646	S12	E25	.426	10579	17.6	17	--F			.31				2 2 1 3	
BOUL	15	1639	1656	1644	S11	E24	.408	10579	17.5	17	-N	V							
MCMA	15	1643	1659	1647	S12	E25	.426	10579	17.6	16	-F	C	1647	.31	.30			E	
2 STATIONS REPORTING GROUP 28013. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP28013	15	1700	1755	1711	S20	E50	.768	10581	19.5	55	-N			1.42				2 2 2 3	
BOUL	15	1655	1750	1717	S20	E50	.768	10581	19.5	55	1F	V							
RAMY	15	1659	1800D	1706	S19	E50	.767	10581	19.5	61D	-N	C		.93				DE	
BOUL	15	1700	1740	1715U	S21	E49	.759	10581	19.4	40	1N	C		1.90	2.90			E	
28013	15	1801	1821	1811	S23	E55	.821	10581	19.9	20	*1N			1.30				2 2 2 2	
MCMA	15	1754E	1825D		S22	E54	.811	10581	19.8	31D	1N	C	1811	1.29	2.20			EH	
BOUL	15	1807	1816	1811	S24	E56	.831	10581	20.0	9	1N	C		1.30	2.30			H	
014 MCMA	15	1855	1925	1859	N22	W70	.963	10568	10.5	30	--N	C	1859	.21	.80			D 2	
015 MCMA	15	1943	2034	1953	S13	W49	.750	10571	12.1	51	--F	C	1953	.41	.60			E 2	
	15	2155	2215	NO FLARE PATROL															
017 MANI	15	2334E	2344		S21	E43	.693	10581	19.2	10D	--F	2	2336	1.13	1.60			2	
018 MANI	16	0000	0016	0002	S23	E48	.753	10581	19.6	16	-N	3	0002	.93	1.41			2	
5 STATIONS REPORTING GROUP 28020. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP28020	16	0202	0313	0211	S14	W82	.987	10567	9.9	71	2N			2.63				3 3 3 4	
VORO	16	0202	0257D	0210	S14	W83	.989	10567	9.9	55D	2F	C	0210	2.12	8.40		76	EGJKL	
MANI	16	0204E	0321	0205	S14	W81	.984	10567	10.0	77D	2N	3	0205	2.89	7.60				
MITK	16	0216E	0305	0218	S13	W82	.987	10567	9.9	49D	2N	C	0218	2.89				EG	
28020	16	0214	0303 (0238)		S13	W80	.981	10567	10.1	49	*1N			4.93				2 1 1 5	
KODA	16	0214E	0303		S13	W80	.981	10567	10.1	49D	1N	C	0238	4.93	4.90			AGIJ	
CULG	16	0240E	0254D		S12	W84	.992	10567	9.8	14D	2N	P	0249	2.27					
GRP28021	16	0357	0429	0411	S12	E20	.348	10579	17.7	32	--F			1.24				2 2 2 3	
MITK	16	0357	0426	0411	S11	E19	.329	10579	17.6	29	-F	C	0411	1.24	1.30			E	
MANI	16	0409E	0432		S13	E20	.352	10579	17.7	23D	-N	3	0411	1.24	1.30				
GRP28022	16	0439	0519	0456	S13	E16	.291	10579	17.4	40	1F			2.27				2 1 1 3	
MITK	16	0439	0519	0456	S13	E16	.291	10579	17.4	40	1F	C	0456	2.27	2.40			E	
MANI	16	0442E	0509D		S13	E18	.321	10579	17.5	27D	-N	3	0444	1.75	1.85				
023 MANI	16	0645E	0658	0647	N15	W40	.711	10572	13.3	13D	--N	2	0647	.41	.60			3	
GRP28024	16	0814	0908	0847	S13	W56	.823	10571	12.1	54	-F			1.51				4 4 3 5	
ABST	16	0813	0915	0846	S13	W53	.793	10571	12.4	62	1F	C	0846	2.15	3.70		53	E	
ISTA	16	0815	0845		S14	W57	.833	10571	12.1	30	-N								
ZURI	16	0848E	0904	0848	S14	W56	.823	10571	12.2	16D	-F	P	0848	1.26	2.20				
MANI	16	0850E	0928		S12	W58	.842	10571	12.0	38D	1F	2	0850	1.13	2.00				
GRP28028	16	1101	1119	1108	N16	W74	.973	10568	10.9	18	-F			1.35				2 2 1 6	
TEHR	16	1100	1120D		N18	W71	.963	10568	11.1	20D	-F								
ABST	16	1101	1117	1108	N14	W76	.979	10568	10.8	16	1F	C	1108	1.35			52	D	
GRP28031	16	1236	1248	1239	S13	W59	.851	10571	12.1	12	--F			1.05				3 3 2 4	
RAMY	16	1235	1253	1239	S13	W56	.823	10571	12.3	18	-N	V		.93				F	
ONDR	16	1235	1245		S13	W65	.900	10571	11.6	10	-F	V	1239			1.80		CD	
ZURI	16	1238	1245	1239	S13	W55	.813	10571	12.4	7	-F	C	1239	1.16	2.10				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1970 FEB	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. %	
GRP28061	17	1821	1836	1827	S22	E26	.489	10581	19.7	15	--F							3 3 2 4
RAMY	17	1819	1833	1825	S23	E28	.520	10581	19.9	14	-F	C						DE
MCMA	17	1820	1832D	1829	S22	E28	.514	10581	19.9	12D	-F	C	1829	.31	.40			D
BOUL	17	1824	1839	1827	S21	E23	.444	10581	19.5	15	-N	V						
GRP28063	17	1933	1942	1935	S22	E26	.489	10581	19.8	9	--N							4 4 3 4
RAMY	17	1931	1943	1934U	S23	E27	.508	10581	19.8	12	-N	C						DE
MCMA	17	1932	1940	1935	S22	E28	.514	10581	19.9	8	-N	C	1935	.52	.60			EH
HOUT	17	1934	1944	1936	S23	E28	.520	10581	19.9	10	-F	C		1.10	1.30			
BOUL	17	1934	1942	1936	S21	E22	.431	10581	19.5	8	-N	V						
GRP28065	17	2019	2034	2024	S20	E60	.862	10584	22.3	15	-F							2 2 1 5
CULG	17	2018	2041	2028	S20	E62	.878	10584	22.5	23	1N	C	2028	1.24	2.64			
BOUL	17	2019	2027	2020	S19	E58	.844	10584	22.2	8	-F	V						
GRP28067	17	2226	2324	2242	S18	E60	.861	10584	22.4	58	1N							2 1 1 2
CULG	17	2226	2324	2242	S18	E60	.861	10584	22.4	58	1N	C	2242	2.01	4.29			
MANI	17	2251E	2336		S14	E65	.900	10584	22.8	45D	1F	1	2300	2.06	4.01			
GRP28070	18	0335	0402	0338	S11	W09	.170	10579	17.5	27	1N							3 3 3 4
CULG	18	0335	0404	0338	S08	W09	.156	10579	17.5	29	1B	C	0338	2.48	3.40			SV
MITK	18	0335	0359	0337	S11	W09	.170	10579	17.5	24	1F	C	0337	3.02	3.90			E
MANI	18	0338E	0340D		S13	W09	.186	10579	17.5	20	1N	1	0339	2.06	2.11			
GRP28071	18	0431	0508	0434	S19	E60	.861	10571	22.7	37	1N							4 4 4 4
MITK	18	0430	0445D	0432	S17	E61	.869	10571	22.8	15D	1N	C	0432	1.65	3.20			E
CRON	18	0430	0500	0433	S19	E60	.861	10571	22.7	30	-B	C		.80	1.50			Z
CULG	18	0431	0516	0437	S18	E60	.861	10571	22.7	45	1N	C	0437	1.86	3.60			
MANI	18	0431E	0509D		S20	E60	.862	10571	22.7	38D	1N	1	0432	1.24	2.50			
GRP28072	18	0526	0613	0534	S19	E60	.861	10584	22.7	47	-N							3 3 3 3
CULG	18	0523	0630	0536	S18	E59	.852	10584	22.6	67	1N	C	0536	1.75	3.40			
CRON	18	0529	0600	0532	S19	E60	.861	10584	22.7	31	-B	C		.80	1.50			
MANI	18	0540E	0610		S20	E60	.862	10584	22.7	30D	-N	1	0542	.83	1.68			
GRP28073	18	0641	0717	0648	N01	E75	.967	10590	23.9	36	-N							2 2 2 4
CULG	18	0641	0717	0650	N01	E77	.975	10590	24.1	36	1N	C	0650	.88				
CATA	18	0645E	0650D	0645	S00	E73	.957	10590	23.8	5D	-N		0645	.80				195
GRP28081	18	1405	1416	1406	S08	E79	.979	10588	24.5	11	-N							2 2 2 3
RAMY	18	1404	1416	1406	S05	E80	.983	10588	24.6	12	-N	C		.47				DE
CATA	18	1405	1410D	1405	S11	E78	.974	10588	24.4	5D	-N		1405	.52				166
082 RAMY	18	1417	1431	1422	S18	W79	.976	10571	12.7	14	--F	C		.31				DE 3
083 RAMY	18	1431	1446D	1433	N13	W73	.967	10572	13.1	15D	--F	C		.41				DEH 3
GRP28085	18	1803	1840	1808	S19	E51	.777	10584	22.6	37	1N							4 4 4 4
RAMY	18	1800	1846	1809	S18	E51	.775	10584	22.6	46	1N	C		2.23				F
MCMA	18	1803	1845D	1806	S20	E52	.788	10584	22.7	42D	1N	C	1806	1.29	2.10			EL
HOUT	18	1804	1825	1807U	S19	E50	.766	10584	22.5	21	2N	C		3.30	5.30			L
BOUL	18	1804	1845D	1808	S19	E53	.797	10584	22.7	41D	1N	V						
BOUL	18	1805	1820	1809	S21	E51	.779	10584	22.6	15	1N	C		1.80	2.90			EH
GRP28087	18	2124	2219	2139	S18	E50	.765	10584	22.6	55	1N							3 3 3 3
CULG	18	2122	2216	2137	S18	E50	.765	10584	22.6	54	1N	C	2137	2.06	3.00			SZ
BOUL	18	2122	2215	2130	S18	E50	.765	10584	22.6	53	-N	V						
BOUL	18	2125	2200	2135	S21	E51	.779	10584	22.7	35	1N	C		1.80	2.90			EH
HOUT	18	2140E	2225D	2146U	S18	E49	.754	10584	22.6	45D	1N	C		2.70	4.00			
GRP28092	19	0253	0308	0256	S13	W28	.473	10579	17.0	15	-N							2 2 2 5
MANI	19	0253	0314	0256	S12	W28	.470	10579	17.0	21	-N	3	0256	.83	.92			
MITK	19	0253E	0302	0255	S14	W27	.461	10579	17.1	9D	-N	C	0255	1.24	1.40			E
GRP28093	19	0323	0421	0331	S18	E48	.743	10584	22.7	58	1B							4 4 4 4
CULG	19	0322	0437D	0329	S19	E48	.745	10584	22.7	75D	2N	P	0329	4.95	6.96			RS
MANI	19	0322	0440	0332	S18	E48	.743	10584	22.7	78	1B	3	0332	3.35	5.23			
VORO	19	0324	0356	0334	S16	E49	.752	10584	22.8	32	1B	C	0334	2.59	3.70			138
CRON	19	0325	0410	0330	S19	E48	.745	10584	22.7	45	1N	C		2.30	3.30			EJ
GRP28095	19	0800	0823	0809	S13	W31	.516	10579	17.0	23	1F							3 3 3 4
MANI	19	0758	0835	0809	S12	W31	.515	10579	17.0	37	1F	3	0809	2.22	2.70			
HTPR	19	0802	0813	0808	S14	W31	.519	10579	17.0	11	-F	C	0808	1.03	1.10			E
CULG	19	0804E	0820D		S12	W32	.529	10579	16.9	16D	1N	P	0804	3.30	3.68			

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	DATE	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. %
1970 FEB																		
GRP28096	19	0842	0855	0847	S13	W30	.502	10579	17.1	13	-N							
MANI	19	0841	0857	0846	S12	W29	.485	10579	17.2	16	-N	3	0846	1.23	1.30		5 5 5 6	
HTPR	19	0842	0853	0847	S14	W31	.519	10579	17.0	11	-F		0847	.83	.90			
CAPS	19	0842E	0856D		S13	W30	.502	10579	17.1	14D	-N	1	S	0846	1.20	1.40	190	
MONT	19	0842E	0959	0846	S14	W29	.490	10579	17.2	77D	-N		C	0846	1.55			
CATA	19	0850E	0855D	0850	S13	W31	.516	10579	17.0	5D	-B		C	0850	1.44	1.69	214	
GRP28098	19	0931	0953	0938	S23	E03	.280	10581	19.6	22	-N			2.34			6 6 6 6	
MANI	19	0930	0945D	0936	S22	E02	.261	10581	19.5	15D	-N	2		1.65	1.70			
HTPR	19	0930	0958	0940	S23	E03	.280	10581	19.6	28	1B		C	0936	3.09	3.10		
CRON	19	0930	0945	0936	S28	W01	.359	10581	19.3	15	-N		C	0940	1.30	1.30		
MONT	19	0931	1006	0940	S23	E04	.284	10581	19.7	35	1B		C	0940	4.13			
KIEV	19	0932	0950	0937	S21	E07	.268	10581	19.9	18	1N		C	0937	2.06	2.10	65	
CAPS	19	0934E	0940D		S23	E00	.276	10581	19.4	6D	-N	2	V	0935	1.80	1.80	182	
1 STATIONS REPORTING GROUP 28103. 4 STATIONS OBSERVING AND NOT REPORTING.																		
103 SANM	19	1201	1237		S14	W29	.490	10579	17.3	36	1N	1	C	1216	1.94	2.24		E 5
103 SANM	19	1201	1237	1205	S14	W29	.490	10579	17.3	36	*-N	1	C		.80	.93		EIK 6
4 STATIONS REPORTING GROUP 28104. 2 STATIONS OBSERVING AND NOT REPORTING.																		
GRP28104	19	1331	1400	1340	S15	W31	.521	10579	17.2	29	-N			1.19			4 4 4 6	
SANM	19	1321	1359	1340	S14	W33	.547	10579	17.1	38	1B	1	C		2.59	3.08		
HTPR	19	1331	1336D		S15	W30	.507	10579	17.3	5D	-F		C	1334	.52	.60		
RAMY	19	1335	1400	1339	S15	W30	.507	10579	17.3	25	-F		C		.62			
MCMA	19	1335E	1349D		S15	W31	.521	10579	17.2	14D	-N		C	1340	1.03	1.20		
28104	19	1349	1357	1350	S15	W35	.577	10579	17.0	8	*-N			1.45			2 2 2 6	
SANM	19	1321	1359		S14	W33	.547	10579	17.1	38	1N	1	C	1351	2.59	3.16		
MCMA	19	1349	1355	1350	S15	W36	.590	10579	16.9	6	-N		C	1350	.31	.40		
GRP28107	19	1519	1537	1527	S22	E00	.259	10581	19.6	18	--F			.72			3 2 1 6	
SANM	19	1505	1540	1527	S11	W02	.078	10581	19.5	35	-F	1	C		.97	1.00		
MCMA	19	1518	1538	1527	S22	E00	.259	10581	19.6	20	-F		C	1527	.72	.80		
BOUL	19	1520	1535	1527	S21	E00	.242	10581	19.6	15	-N		V					
GRP28109	19	1711	1732	1714	S14	W38	.615	10579	16.9	21	--N			(See unconfirmed list for details.)				
GRP28110	19	1729	1737	1730	S06	E68	.924	10588	24.8	8	--F			.48			3 3 2 5	
SANM	19	1725	1733	1727	S08	E65	.902	10588	24.6	8	-N	1	C		.65	1.54		
MCMA	19	1727	1735	1728	S08	E65	.902	10588	24.6	8	-F		C	1728	.31	.70		
BOUL	19	1734	1744	1735	S02	E73	.956	10588	25.2	10	-F		V					
GRP28111	19	1748	1820	1755	S22	W02	.261	10581	19.6	32	-B			1.32			4 4 3 5	
SANM	19	1745	1820	1754	S22	W04	.267	10581	19.4	35	-B	1	C		1.29	1.34		
MCMA	19	1747	1815	1756	S22	W01	.260	10581	19.7	28	-N		C	1755	1.03	1.10		
BOUL	19	1748	1812	1755	S20	W02	.228	10581	19.6	24	-B		V					
RAMY	19	1750	1828	1756	S23	W01	.276	10581	19.7	38	-N		C		1.65			
BOUL	19	1750	1815	1754	S23	W03	.280	10581	19.5	25	-N		C		1.50	1.60		
GRP28112	19	1844	1858	1848	N21	W69	.957	10587	14.6	14	--F			.37			2 2 2 4	
RAMY	19	1843	1859	1848	N20	W68	.951	10587	14.7	16	-F		C		.41			
SANM	19	1845	1856		N22	W69	.959	10587	14.6	11	-F	1	C	1850	.32			
GRP28113	19	1853	1912	1855	S21	W03	.247	10581	19.6	19	--F			1.06			3 3 2 4	
SANM	19	1850	1900	1854	S20	W03	.231	10581	19.6	10	-F	1	C		1.29	1.34		
MCMA	19	1851	1920D	1854	S22	W03	.264	10581	19.6	29D	-F		C	1854	.83	.90		
BOUL	19	1857	1916	1858	S20	W02	.228	10581	19.6	19	-F		V					
GRP28114	19	1855	1903	1858	S14	W39	.628	10579	16.9	8	--N			.32			2 2 2 4	
SANM	19	1854	1901	1858	S13	W40	.640	10579	16.8	7	-B	1	P		.32	.42		
MCMA	19	1855	1905	1858	S14	W38	.615	10579	16.9	10	-F		C	1858	.31	.40		
GRP28115	19	1922	1959	1928	S22	W03	.264	10581	19.6	37	--N			.85			4 4 4 4	
SANM	19	1921	1955	1925	S22	W04	.267	10581	19.5	34	-N	1	C		.65	.68		
BOUL	19	1922	1952	1926	S21	W02	.245	10581	19.7	30	-N		V					
MCMA	19	1923	2005	1926	S22	W03	.264	10581	19.6	42	-N		C	1926	.52	.50		
RAMY	19	1923	2004	1928	S22	W02	.261	10581	19.7	41	-N		C		.93			
BOUL	19	1925	1950	1931	S22	W03	.264	10581	19.6	25	-N		C		1.30	1.40		
GRP28116	19	1955	2012	2000	S03	E74	.960	10588	25.4	17	-N			.56			5 5 5 6	
SANM	19	1951	2010	1959	S03	E75	.965	10588	25.5	19	-B	1	C		.32			
BOUL	19	1951	2005	1958	S05	E71	.943	10588	25.2	14	-N		C		.50	1.30		
BOUL	19	1952E	1958D	1958	S03	E72	.950	10588	25.2	6D	-N		V					
MCMA	19	1955	2009	1958	S03	E72	.950	10588	25.2	14	-N		C	1958	.31	1.00		
RAMY	19	1958	2023	2003	S02	E75	.965	10588	25.5	25	-F		C		.93			
CULG	19	2000	2015	2003	S03	E75	.965	10588	25.5	15	1N		C	2003	.72			
117 BOUL	19	2307	2326	2312	S20	E37	.618	10584	22.7	19	1F		C		2.50	3.10		2

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
GRP28118	19	2318	2342	2324	S07	E63	.887	10588	24.7	24	-F							2 2 1 3
CULG	19	2309	2342	2319	S07	E62	.879	10588	24.6	33	1N	C	2319	1.65	3.60			
BOUL	19	2327	2329D	2328	S06	E63	.887	10588	24.7	20	-F	V						
GRP28119	19	2322	2336	2324	S19	W04	.219	10581	19.7	14	-N			1.89				3 3 3 3
CULG	19	2322	2344	2324	S20	W05	.240	10581	19.6	22	1B	C	2324	2.68	2.60			UH
BOUL	19	2322	2330D	2324	S20	E00	.225	10581	20.0	8D	-B	V						
BOUL	19	2322	2330	2324	S11	W05	.111	10581	19.6	8	-N	C		1.20	1.30			
CRON	19	2323	2335	2325	S22	W05	.272	10581	19.6	12	-F	C		1.80	1.90			
120 MANI	20	0419	0428D	0421	S22	W10	.306	10581	19.4	9D	-N	1	0421	1.65	1.74			2
GRP28121	20	0647	0710	0649	S22	W09	.298	10581	19.6	23	-N			1.05				2 2 2 4
MANI	20	0646	0701D	0649	S22	W10	.306	10581	19.5	15D	-N	1	0649	.93	.98			
ABST	20	0648	0710	0648	S21	W08	.275	10581	19.7	22	-N	C	0648	1.17	1.10			58 E
GRP28122	20	0739	0802	0746	S23	W13	.347	10581	19.3	23	-N			1.35				4 4 4 6
HTPR	20	0738	0750D	0748	S22	W14	.345	10581	19.3	12D	-F	C	0748	1.24	1.30			E
ABST	20	0739	0800	0744	S24	W11	.342	10581	19.5	21	-N	P	0744	.90	1.00			55 D
CAPS	20	0741E	0801D		S21	W14	.333	10581	19.3	20D	-N	V	0749	1.30	1.30			182 C
MANI	20	0742E	0805		S23	W11	.328	10581	19.5	23D	-N	1	0745	1.96	2.07			
GRP28123	20	0753	0816	0755	S13	E31	.516	10584	22.7	23	-N			1.00				3 3 2 5
CAPS	20	0752	0807D		S12	E29	.485	10584	22.5	15D	-N	V						
ABST	20	0753	0815	0755	S13	E33	.545	10584	22.8	22	-N	C	0755	1.07	1.30			49 D
MANI	20	0758E	0817D		S14	E32	.533	10584	22.7	19D	-F	1	0805	.93	1.11			
8 STATIONS REPORTING GROUP 28124. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP28124	20	0945	1059	1004	S19	E32	.549	10584	22.8	74	2B			8.91				4 4 4 8
CATA	20	0945	1120D	1008	S18	E33	.559	10584	22.9	95D	3B	C	1008	16.24	19.59			380 I
CAPF	20	0952E	1052		S18	E32	.545	10584	22.8	60D	2N	C	0959	6.19	7.50			HL
HERS	20	0956E	1045	0956U	S20	E34	.580	10584	23.0	49D	1B	P	0959	4.19	5.10			2.30 FL
LOCA	20	1007E	1100D	1007	S18	E30	.518	10584	22.7	53D	2B	V	1007	9.03	10.40			
28124	20	0943	1050	0947	S17	E33	.555	10584	22.9	67	*2B			7.37				4 4 4 6
MONT	20	0941	1007D	0947	S19	E32	.549	10584	22.8	26D	3B	C	0947	13.41				
ABST	20	0943	1050	0948	S14	E34	.561	10584	23.0	67	2F	C	0948	8.97	10.60			96 E
HTPR	20	0944	1010D	0947	S17	E31	.528	10584	22.7	26D	1B	C	0947	3.61	4.20			CEV
CAPS	20	0947E	1048D		S18	E33	.559	10584	22.9	61D	1B	2 P	0949	3.50	4.10			369 U
GRP28125	20	1147	1229	1155	S22	W14	.345	10581	19.4	42	-B			1.43				2 2 2 5
RAMY	20	1147	1220	1155	S22	W12	.325	10581	19.6	33	-N	V		1.24				F
SANM	20	1154E	1237		S21	W15	.345	10581	19.4	43D	-B	1 P	1154	1.62	1.72			B
GRP28129	20	1512	1529	1519	S12	W43	.678	10579	17.4	17	--N			.68				3 3 2 5
RAMY	20	1507	1529	1519	S12	W45	.702	10579	17.3	22	-F	V		.83				F
BOUL	20	1516	1528	1518	S13	W40	.640	10579	17.6	12	-N	V						
MCMA	20	1519E	1525D		S12	W43	.678	10579	17.4	6D	-N	C	1520	.52	.70			E
GRP28130	20	1717	1743	1724	S13	W45	.703	10579	17.3	26	-N			1.45				3 3 3 4
RAMY	20	1717	1750	1726	S12	W45	.702	10579	17.3	33	-F	V		1.34				F
BOUL	20	1717	1745	1722	S15	W48	.740	10579	17.1	28	1N	C		2.30	3.50			EK
BOUL	20	1717	1745	1730	S15	W48	.740	10579	17.1	28	1N	V						
BOUL	20	1717	1745	1724	S13	W44	.691	10579	17.4	28	-N	V						
MCMA	20	1718	1735	1724	S12	W45	.702	10579	17.3	17	-N	C	1724	.72	1.00			E
GRP28131	20	1807	1825	1810	S22	W18	.390	10581	19.4	18	--F			.36				2 2 1 4
BOUL	20	1807	1825	1810	S21	W17	.368	10581	19.5	18	-F	V						
MCMA	20	1809E	1825		S22	W18	.390	10581	19.4	16D	-N	C	1813	.36	.40			E
GRP28132	20	2100	2115	2104	S22	W19	.402	10581	19.5	15	--F			.52				2 1 1 3
RAMY	20	2100	2115	2104	S22	W19	.402	10581	19.5	15	-F	V		.52				F
BOUL	20	2102	2114	2104	S21	W29	.520	10581	18.7	12	-F	V						
133 BOUL	20	2227	2231	2228	S11	E15	.265	10584	22.1	4	-N	V						1
GRP28135	20	2332	2357	2337	S17	E24	.430	10584	22.8	25	-B			1.08				2 2 2 3
MANI	20	2330	0012	2339	S17	E23	.416	10584	22.7	42	-N	1	2339	1.13	1.21			
VORO	20	2333	2341	2334	S17	E24	.430	10584	22.8	8	-B	C	2334	1.02	1.10			85 EJ
GRP28136	21	0012	0027	0015	S10	E51	.771	10588	24.8	15	-N			.83				2 2 2 3
MANI	21	0011	0032	0014	S10	E50	.760	10588	24.8	21	-B	1	0014	.72	1.11			
VORO	21	0012	0022	0015	S09	E51	.772	10588	24.8	10	-B	C	0015	.93	1.10			78 E
GRP28137	21	0152	0224	0200	S07	E49	.750	10588	24.8	32	-N			1.29				2 2 2 3
MANI	21	0152	0224	0200	S07	E49	.750	10588	24.8	32	-N	2	0200	1.13	1.75			
KODA	21	0154E	0210D		S06	E48	.739	10588	24.7	16D	-N	P	0159	1.45	1.50			E

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS					
	DATE	START	END	MAX PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX INT. %			
					LAT.	MER. DIST.															
GRP28144	1970 FEB																				
MONT	21	0933	1008	0944	S20	E18	.370	10584	22.7	35	1N					4 3 3 4					
CAPS	21	0933E	1006	0943	S20	E17	.358	10584	22.7	33	1N					H					
CRON	21	0933E	0958D		S19	E19	.375	10584	22.8	250	1N	1	S	0938	2.00	2.10	189	CH			
TEHR	21	0934	1000D	0944U	S21	E17	.368	10584	22.7	260	1N				2.80	4.20		H			
TEHR	21	0950E	1010D		S16	E14	.282	10584	22.5	200	1N										
TEHR	21	0950E	1010D	0955	S17	E18	.345	10584	22.8	200	1N										
TEHR	21	0950E	1008D	0958	S16	E15	.296	10584	22.5	180	-F										
GRP28147	21	1037	1130		N16	E80	.991	10595	27.5	53	-N							1 1 0 3			
TEHR	21	1037	1050D		N18	E79	.990	10595	27.4	13D	1N										
TEHR	21	1055E	1130D		N14	E80	.990	10595	27.5	35D	-N										
148 MONT	21	1110	1122	1114	N23	H88	1.000	10587	14.9	12	-N			C	1114	.77			2		
150 CATA	21	1310E	1325D	1310	S08	E52	.783	10588	25.4	15D	-N				1310	.87	1.45		3		
GRP28151	21	1423	1540		S12	E11	.207	10584	22.4	77	1F				1.27				2 2 1 3		
HOUT	21	1423	1535D	1450	S13	E12	.229	10584	22.5	72D	2F										
HOUT	21	1423U	1535D	1430	S13	E12	.229	10584	22.5	72D	2F			C		8.10	8.10		EK		
CATA	21	1500	1540D	1505	S10	E10	.179	10584	22.4	40D	-N				1505	1.27	1.29		193		
	21	1535	1559		NO FLARE PATROL																
GRP28152	21	1602	1620	1604	N17	E72	.966	10595	27.1	18	--N				.26				2 2 1 2		
RAMY	21	1600	1605D	1602	N15	E72	.964	10595	27.1	5D	-N			C		.26			DE		
BOUL	21	1603	1620	1605	N18	E71	.963	10595	27.0	17	-N			V							
	21	1605	1630		NO FLARE PATROL																
153 RAMY	21	1630E	1643		N26	E90	1.001	10598	28.4	13D	--F			C					DE	1	
GRP28154	21	1819	1839	1823	S22	W33	.576	10581	19.3	20	-N				1.29				2 2 1 2		
RAMY	21	1818	1838	1824	S23	W32	.569	10581	19.4	20	-N			C		1.29			F		
BOUL	21	1820	1840	1822	S20	W33	.566	10581	19.3	20	-N			V							
GRP28155	21	1850	1915	1855	N17	E72	.966	10595	27.2	25	--N				.41				2 2 1 2		
BOUL	21	1850	1910	1853	N18	E74	.975	10595	27.3	20	-N			V							
RAMY	21	1854E	1919	1856U	N15	E70	.955	10595	27.0	25D	-N			C		.41			DE		
156 RAMY	21	1903	1930	1914U	S07	E01	.017	10584	21.9	27	--F			C		1.03			F	2	
157 RAMY	21	1929	1942	1931	N15	E70	.955	10595	27.1	13	-N			C		.67			DE	2	
158 RAMY	21	1948	1954	1950	N16	E40	.717	10592	24.8	6	--F			C		.21			DE	2	
GRP28159	21	2118	2148	2127	S22	W31	.551	10581	19.6	30	-N				1.87				5 5 4 5		
CULG	21	2114	2205	2125	S22	W33	.576	10581	19.4	51	1N			C	2125	2.68	3.12		V		
RAMY	21	2116	2135D	2134U	S23	W31	.556	10581	19.6	19D	-N			C		1.80			F		
HOUT	21	2120	2135	2125	S24	W31	.562	10581	19.6	15	-N			C		1.70	2.00		E		
MCNA	21	2120E	2149D		S23	W32	.569	10581	19.5	29D	-N			P	2128	1.29	1.60		E		
BOUL	21	2120	2156	2122	S20	W27	.488	10581	19.9	36	1B			V							
GRP28160	21	2134	2212	2142	S27	E07	.359	10584	22.4	38	1N				4.70				3 3 2 3		
CULG	21	2133	2241	2140	S27	E07	.359	10584	22.4	68	2N			C	2140	6.19	6.42		GHLSR		
BOUL	21	2135	2149	2143	S26	E06	.339	10584	22.3	14	-N			V							
HOUT	21	2135	2205D	2142	S28	E07	.374	10584	22.4	30D	1N			C		3.20	3.50		EL		
161 VORO	21	2314	2318	2315	N17	E39	.712	10592	24.9	4	--B			C	2315	.56	.80		68	D	3
GRP28164	22	0319	0349	0322	S28	E05	.366	10584	22.5	30	1N				2.93				3 3 3 5		
CULG	22	0317	0329D	0322	S28	E04	.363	10584	22.4	12D	2B			P	0322	5.16	5.35		GRLUS		
CRON	22	0320	0349	0321	S29	E05	.382	10584	22.5	29	-N			C		1.30	1.40		EH		
MANI	22	0321	0325D		S26	E05	.334	10584	22.5	40	1N	2			0325	2.32	2.50				
GRP28166	22	0612	0628	0614	N14	E64	.920	10595	27.1	16	-N				.80				2 2 2 3		
ABST	22	0611	0635	0614	N14	E65	.926	10595	27.1	24	-N			C	0614	.90			D		
CRON	22	0612	0620	0613	N13	E62	.905	10595	26.9	8	-N			C		.70	1.50				
GRP28167	22	0743	0805	0747	S19	E07	.237	10584	22.8	22	-N				1.52				2 2 2 2		
CRON	22	0741	0804	0748U	S20	E07	.252	10584	22.8	23	1F			C		2.10	2.10				
CATA	22	0745	0805D	0745	S18	E07	.223	10584	22.8	20D	-B				0745	.93	.95		436		
	22	0820	0830		NO FLARE PATROL																
GRP28168	22	1120	1144	1124	S07	E29	.481	10588	24.6	24	--F				.54				2 2 2 4		
RAMY	22	1119	1146	1125	S07	E28	.466	10588	24.6	27	-N			C		.67			DE		
HTPR	22	1121	1141	1123	S06	E30	.497	10588	24.7	20	-F			C	1123	.41	.40				

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	CENTRAL MER. DIST.	MCMATH PLAGE REGION	CMP DAY				MIN.	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	
1970 FEB																
5 STATIONS REPORTING GROUP 28169.					1 STATIONS OBSERVING AND NOT REPORTING.											
GRP28169	22	1136	1213	1146	S23	W39	.652 10581	19.6	37	1N		2.09				3 3 3 6
SANM	22	1135	1213	1145	S24	W40	.668 10581	19.5	38	1N	1 C	1.62	2.18			E
RAMY	22	1136	1150D	1146U	S24	W39	.656 10581	19.6	14D	-N	C	1.65				F
CAPS	22	1137	1209D		S20	W38	.630 10581	19.6	32D	1N	1 S	1149	3.00	3.90		F
28169	22	1137	1225	1159	S24	W40	.668 10581	19.5	48	*1N		3.51				2 1 1 5
CAPF	22	1137E	1225D		S24	W40	.668 10581	19.5	48D	1N	P	1211	3.51	4.59		
HTPR	22	1139	1216	1159	S23	W40	.664 10581	19.5	37	-F	C	1159	1.44	1.80		E
GRP28175	22	1423	1433	1426	N14	E57	.869 10595	26.9	10	1B		.96				3 3 3 5
SANM	22	1421E	1437		N13	E57	.867 10595	26.9	16D	1B	1 P	1426	1.13	2.27		D
MCMA	22	1423	1430	1425	N15	E57	.872 10595	26.9	7	-B	C	1425	.52	1.10		D
HTPR	22	1424	1431	1426	N15	E57	.872 10595	26.9	7	1N	C	1426	1.24	2.40		
GRP28176	22	1536	1551	1543	N15	E56	.864 10595	26.9	15	-N		.87				3 3 3 4
MCMA	22	1535	1550	1541	N15	E57	.872 10595	26.9	15	-N	C	1541	.52	1.10		D
SANM	22	1535	1550	1542	N14	E56	.861 10595	26.8	15	-B	1 C	.97	1.83			D
HTPR	22	1538	1554	1545	N16	E56	.866 10595	26.9	16	1N	C	1545	1.13	2.20		
4 STATIONS REPORTING GROUP 28178.					0 STATIONS OBSERVING AND NOT REPORTING.											
GRP28178	22	1618	1649	1631	S19	W02	.209 10584	22.5	31	-F		1.83				4 4 3 4
HTPR	22	1615	1635D		S20	W01	.224 10584	22.6	20D	-N	C	1633	2.06	2.00		
MCMA	22	1615	1710	1631	S20	W02	.226 10584	22.5	55	-N	C	1631	.83	.80		E
SANM	22	1616	1637		S18	W03	.196 10584	22.5	21	1F	1 C	1631	2.59	2.65		E
BOUL	22	1626	1640	1630	S19	E00	.207 10584	22.7	14	1F	V					
28178	22	1617	1631	1620	S18	E00	.190 10584	22.7	14	*-N		.45				2 2 1 4
SANM	22	1616	1637	1620	S18	W03	.196 10584	22.5	21	-F	1 C	.45	.46			EK
BOUL	22	1617	1624	1619	S18	E03	.196 10584	22.9	7	-B	V					
GRP28180	22	1859	1931	1911	N17	E34	.661 10592	25.3	32	--N		.77				4 4 3 4
SANM	22	1858	1932	1909	N16	E34	.653 10592	25.3	34	-B	1 C	.97	1.26			E
MCMA	22	1900	1935	1908	N18	E34	.668 10592	25.3	35	-F	C	1908	.52	.60		EH
BOUL	22	1900	1909	1902	N16	E35	.664 10592	25.4	9	-F	V					
BOUL	22	1910	1927	1912	N18	E36	.688 10592	25.5	17	-N	V					
RAMY	22	1914E	1930	1914U	N18	E31	.637 10592	25.1	16D	-N	C	.83				F
GRP28181	22	1928	1948	1929	S17	E03	.180 10584	23.0	20	--F		.50				2 2 2 4
SANM	22	1927	1936	1928	S21	E02	.243 10584	23.0	9	-F	1 C	.48	.50			D
MCMA	22	1928	2000	1929	S12	E03	.100 10584	23.0	32	-N	C	1929	.52	.50		EK
182 RAMY	22	2202	2204D	2204U	N15	E52	.830 10595	26.8	2D	--F	C	.36				DE
183 BOUL	22	2253	2310	2256	S19	W03	.213 10584	22.7	17	--F	V					2
184 MANI	22	2307E	2322		N16	E52	.833 10595	26.9	15D	--F	1	2310	.31	.53		2
185 MANI	22	2330	2351	2336	S06	E30	.497 10588	25.2	21	--B	2	2336	.52	.60		1
186 MANI	22	2349	0008	2356	N17	E53	.845 10595	27.0	19	--F	2	2356	.31	.46		2
187 MANI	22	2352	0015	2355	S06	E23	.389 10588	24.7	23	--N	2	2355	.41	.45		2
188 MANI	23	0058	0137	0106	N23	W04	.505 10597	22.7	39	--N	2	0106	.36	.42		2
189 MANI	23	0109	0122	0113	N16	E52	.833 10595	26.9	13	--N	2	0113	.46	.80		2
190 MANI	23	0121	0141		S06	E21	.357 10588	24.6	20	--N	3	0123	.52	.60		2
GRP28191	23	0207	0225	0210	N17	E53	.845 10595	27.1	18	1B		2.17				3 3 3 3
CRON	23	0204	0218	0206	N16	E53	.842 10595	27.1	14	-N	C	1.20	2.00			
MANI	23	0209	0240	0212	N17	E52	.836 10595	27.0	31	1B	3	0212	1.44	2.41		
KODA	23	0211E	0217	0211	N18	E55	.864 10595	27.2	6D	1B	P	0213	3.87	3.90	2.28	CD
193 MANI	23	0235	0247	0238	S19	W45	.711 10581	19.7	12	-N	3	0238	.93	1.37		3
GRP28197	23	0547	0613	0556	N18	E29	.617 10592	25.4	26	-N		1.03				4 4 2 5
TEHR	23	0545E	0615D		N18	E26	.586 10592	25.2	30D	1N						
MANI	23	0549	0613D	0555	N18	E30	.627 10592	25.5	24D	-N	2	0555	.98	1.23		
SIBE	23	0554E	0603		N20	E29	.634 10592	25.4	9D	1F	V					D
ABST	23	0557E	0620	0557	N17	E31	.629 10592	25.6	23D	-N	P	0557	1.07	1.40		D
GRP28200	23	0655	0705	0658	N17	E49	.810 10595	27.0	10	-N		.89				2 2 2 4
ABST	23	0655	0705	0658	N17	E48	.801 10595	26.9	10	-N	C	0658	.90	1.50		D
MANI	23	0657E	0705		N17	E49	.810 10595	27.0	8D	-N	1	0700	.88	1.41		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
					LAT.	MER. DIST.													
GRP28208	23	1050	1130	1127	N16	E49	.806	10595	27.1	40	--F							2 2 1 4	
TEHR	23	1050E	1130D		N16	E52	.833	10595	27.4	400	-F								
SANM	23	1126	1130	1127	N16	E46	.778	10595	26.9	4	-F	1	C		.32	.51		D	
GRP28212	23	1453	1506	1457	N12	W33	.615	10594	21.1	13	--B				.75			4 4 4 5	
MCMA	23	1453	1505	1455	N12	W33	.615	10594	21.1	12	-N		C	1455	.52	.60		DHV	
SANM	23	1453	1510	1455	N12	W35	.639	10594	21.0	17	-N	1	C		1.13	1.46		D	
CAPS	23	1454E	1505D		N10	W30	.565	10594	21.4	11D	-B	1	V	1457	1.00	1.30		CH	
CATA	23	1455E	1505D	1500	N12	W32	.603	10594	21.2	10D	-B			1500	.34	.44		230 234	
GRP28213	23	1544	1602	1546	S22	W55	.819	10581	19.5	18	-N				.86			3 3 3 3	
SANM	23	1543	1610	1546	S20	W55	.817	10581	19.5	27	-N	1	C		.80	1.40		E	
MCMA	23	1544	1605	1547	S23	W56	.829	10581	19.5	21	-N		C	1547	.52	.90		EK	
MCMA	23	1544	1605	1547	S23	W56	.829	10581	19.5	21	-N		C	1547	.52	.90		EK	
ZURI	23	1545	1550	1546	S22	W53	.800	10581	19.7	5	-N		C	1546	1.26	2.20			
214 SANM	23	1612	1621	1613	N12	W35	.639	10594	21.0	9	--F	1	C		.32	.41		D 3	
GRP28215	23	1717	1736	1719	S22	W57	.837	10581	19.4	19	--F				.50			3 3 3 3	
RAMY	23	1715	1738	1717	S24	W59	.856	10581	19.3	23	-F		C		.83			DE	
SANM	23	1716	1735	1720	S20	W57	.835	10581	19.4	19	-F	1	C		.32	.59		EL	
MCMA	23	1719	1735	1721	S23	W56	.829	10581	19.5	16	-F		C	1721	.36	.50		E	
GRP28216	23	1742	1759	1743	N17	E42	.743	10595	26.9	17	--N				.67			3 3 3 3	
RAMY	23	1741	1809	1743	N18	E41	.739	10595	26.8	28	-N		C		.83			DE	
MCMA	23	1742	1755	1743	N17	E42	.743	10595	26.9	13	-N		C	1743	.52	.70		E	
SANM	23	1742	1754	1744	N16	E42	.738	10595	26.9	12	-N	1	C		.65	.93		E	
GRP28217	23	1846	1909	1850	N20	E20	.552	10592	25.3	23	--N				.71			2 2 2 3	
RAMY	23	1845	1910	1851	N20	E20	.552	10592	25.3	25	-N		C		.93			DE	
SANM	23	1847	1907	1849	N19	E20	.540	10592	25.3	20	-N	1	C		.48	.58		EL	
GRP28218	23	1936	1947	1939	S22	W57	.837	10581	19.5	11	--F				.52			2 2 2 3	
RAMY	23	1935	1949	1938	S21	W56	.827	10581	19.6	14	-F		C		.62			DF	
MCMA	23	1936	1945	1939	S23	W58	.847	10581	19.5	9	-F		C	1939	.41	.80		E	
GRP28219	23	1957	2008	2001	S12	W22	.378	10584	22.2	11	--F				.42			2 2 2 2	
MCMA	23	1956	2005	2001	S12	W22	.378	10584	22.2	9	-F		C	2001	.31	.40		E	
RAMY	23	1957	2011	2000	S12	W21	.363	10584	22.3	14	-F		C		.52			DE	
GRP28220	23	2013	2038	2020	S06	E10	.174	10588	24.6	25	--N				.72			3 3 2 4	
RAMY	23	2012	2045	2020	S06	E10	.174	10588	24.6	33	-N		C		1.13			DE	
MCMA	23	2014	2035	2021	S07	E10	.172	10588	24.6	21	-N		C	2021	.31	.30		E	
BOUL	23	2020E	2033	2020	S06	E10	.174	10588	24.6	13D	-N		S						
GRP28221	23	2127	2140	2129	N17	E42	.743	10595	27.0	13	--F				.57			2 2 2 3	
MCMA	23	2127	2140	2129	N16	E42	.738	10595	27.0	13	-F		C	2129	.52	.70		E	
RAMY	23	2128E	2129D	2128U	N18	E41	.739	10595	27.0	1D	-F		C		.62			DE	
GRP28223	23	2154	2201	2156	N17	E42	.743	10595	27.1	7	-N				.73			3 3 2 4	
RAMY	23	2154	2202D	2155	N18	E41	.739	10595	27.0	8D	-N		C		.83			DE	
MCMA	23	2154	2200	2156	N16	E42	.738	10595	27.1	6	-N		C	2156	.62	.90		EV	
BOUL	23	2155	2200	2156	N17	E42	.743	10595	27.1	5	-N		V						
224 CULG	23	2244	2312D	2249	N23	E13	.540	10592	24.9	28D	1N		P	2249	2.27	2.64		2	
	23	2320	2328	NO FLARE PATROL															
	23	2358	0000	NO FLARE PATROL															
GRP28227	24	0300	0310	0303	N17	E42	.743	10595	27.3	10	-N				1.54			3 3 3 5	
MANI	24	0259	0317	0303	N17	E42	.743	10595	27.3	18	1N	2		0303	2.48	3.65			
VORO	24	0300	0305	0302	N19	E43	.764	10595	27.4	5	-B		C	0302	.84	1.30	88	E	
CRON	24	0300	0308	0303	N15	E43	.743	10595	27.4	8	-N		C		1.30	2.00		L	
MANI	24	0306	0327	0310	N17	E39	.713	10595	27.1	21	-N	2		0310	.62	.94			
GRP28233	24	0857	0909	0858	N16	E41	.728	10595	27.4	12	1B				2.14			3 3 3 3	
MANI	24	0855E	0913	0857	N16	E40	.718	10595	27.4	18D	1B	3		0857	1.86	2.54			
CRON	24	0855	0905	0857	N15	E43	.743	10595	27.6	10	-N		C		1.30	2.00		L	
CATA	24	0900	0910	0900	N17	E39	.713	10595	27.3	10	1B			0900	3.25	4.67	302		
GRP28237	24	1221	1230	1224	N17	E32	.640	10595	26.9	9	-N				1.03			4 4 4 6	
SANM	24	1219	1230	1222	N16	E31	.622	10595	26.8	11	-F	1	C		.32	.41		D	
CAPE	24	1220	1229	1225	N17	E33	.650	10595	27.0	9	-N		C	1225	1.22	1.60			
RAMY	24	1221	1225D	1225U	N18	E32	.648	10595	26.9	4D	-N		C		1.24			DE	
ABST	24	1222	1230	1225	N16	E32	.632	10595	26.9	8	-N		C	1225	1.35	1.70		D	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.													
	1970																		
	FEB																		
GRP28238	24	1427	1448	1432	N18	E36	.689	10595	27.3	21	--F						2 2 2 4		
SANM	24	1426	1450	1431	N18	E35	.678	10595	27.2	24	-N	1	C				E		
MCMA	24	1428	1445	1433	N18	E36	.689	10595	27.3	17	-F		C	1433			E		
GRP28240	24	1608	1706	1637	S07	W05	.087	10588	24.3	58	--F						2 2 2 3		
MCMA	24	1605	1710	1637	S07	W04	.069	10588	24.4	65	-N		C	1637	1.55	1.60	EK		
SANM	24	1610	1701		S06	W05	.089	10588	24.3	51	-F	1	C	1637	1.94	1.94			
SANM	24	1610	1701	1633	S06	W05	.089	10588	24.3	51	-F	1	C		.97		EL		
GRP28241	24	1649	1656	1651	N17	E35	.671	10595	27.3	7	--F						2 2 2 3		
MCMA	24	1648	1655	1651	N18	E36	.689	10595	27.4	7	-F		C	1651	.41	.50	OK		
SANM	24	1649	1656	1651	N16	E33	.643	10595	27.2	7	-F	1	C		.97	1.26	D		
GRP28242	24	1719	1830	1728	S05	W03	.064	10588	24.5	71	--F						2 2 2 2		
MCMA	24	1717	1835	1728	S06	E00	.020	10588	24.7	78	-N		C	1730	.95	.50	EK		
MCMA	24	1718	1750	1726	S04	W07	.133	10588	24.2	32	-N		C	1726	.26	.30	D		
SANM	24	1719	1800	1723	S03	W07	.141	10588	24.2	41	-F	1	C		.32	.32	D		
SANM	24	1725	1825	1728	S06	E02	.040	10588	24.9	60	-F	1	C		.80	.80	EHL		
243	MCMA	24	1729	1734	1730	N18	E33	.658	10595	27.2	5	--F		C	1730	.41	.50	E	
244	MCMA	24	1802	1815	1805	S26	W71	.939	10581	19.4	13	--F		C	1805	.21	.90	E	
245	MCMA	24	2059	2110	2101	S06	W04	.072	10588	24.6	11	--N		C	2101	.62	.60	E	
246	MCMA	24	2144	2152	2145	N20	E01	.456	10592	25.0	8	--N		C	2145	.31	.40	E	
247	CULG	24	2159	2237	2205	S22	W73	.949	10581	19.4	38	1N		C	2205	.88			
GRP28249	25	0111	0127	0115	S20	W77	.968	10581	19.3	16	--F						2 2 2 3		
CULG	25	0108	0126	0114	S22	W77	.967	10581	19.3	18	1N		C	0114	.98				
MANI	25	0113	0127	0115	S18	W77	.968	10581	19.3	14	-F	2		0115	.52	.98			
GRP28251	25	0322	0344	0329	S07	W11	.189	10588	24.3	22	-N		P	0328	1.46	2.20	L		
CULG	25	0322E	03500	0328	S06	W11	.191	10588	24.3	280	1N		P		2.27		CE		
KODA	25	0326E	0338	0329	S07	W10	.172	10588	24.4	120	-N		P	0326	.65	.70	1.64		
GRP28255	25	0733	0751	0737	S07	W10	.172	10588	24.6	18	-B				2.31		4 4 4 4		
CULG	25	0732	0800	0737	S06	W09	.157	10588	24.6	28	1B		C	0737	3.92	3.80			
CAPE	25	0732	0750	0736	S08	W10	.173	10588	24.6	18	1B		C	0736	2.28	2.30	V		
HTRP	25	0733	07500	0738	S05	W10	.177	10588	24.6	170	-N		C	0738	1.55	1.50	E		
CRON	25	0735	0745	0736	S08	W12	.207	10588	24.4	10	-N		C		1.50	1.50			
GRP28257	25	1127	1147	1133	S08	W16	.274	10588	24.3	20	--F						3 3 2 7		
MONT	25	1126	1152	1133	S10	W16	.277	10588	24.3	26	-N		C	1133	.54	.77			
HTRP	25	1128	1145	1131	S07	W16	.274	10588	24.3	17	-F		C	1131	.31	.30			
HURB	25	1128E	1144	1134	S08	W17	.290	10588	24.2	160	-F						AD		
GRP28258	25	1131	1136	1132	N20	E22	.570	10595	27.1	5	--F						3 2 2 7		
SANM	25	1128	1143	1133	N17	E33	.651	10595	28.0	15	-F	1	C		.32	.38	E		
HTRP	25	1131	1136	1132	N18	E23	.557	10595	27.2	5	-F		C	1132	.62	.70			
MONT	25	1131	1135	1132	N21	E20	.564	10595	27.0	4	-N		C	1132	.77				
GRP28260	25	1336	1355	1343	S08	W18	.307	10588	24.2	19	--N						4 4 4 6		
HTRP	25	1335	1354	1339	S07	W19	.323	10588	24.1	19	-N		C	1339	.62	.60			
MONT	25	1336	1404	1349	S10	W18	.309	10588	24.2	28	-N		C	1349	.21				
LOCA	25	1340E	1352	1340	S07	W16	.274	10588	24.4	120	-N		V	1340	.63	.70			
RAMY	25	1340E	1349	1343D	S08	W18	.307	10588	24.2	90	-N		C		.26		DE		
GRP28262	25	1504	1521	1507	S03	W12	.219	10588	24.7	17	--F						4 4 3 10		
RAMY	25	1502	1520	1507	S03	W11	.203	10588	24.8	18	-N		C		.67	.88	F		
HTRP	25	1503	1520	1508	S03	W12	.219	10588	24.7	17	-F		C	1508	.72	.70	E		
MCMA	25	1505E	1520		S02	W11	.210	10588	24.8	150	-N		C	1508	.41	.40	E		
BOUL	25	1505	1522	1507	S02	W13	.241	10588	24.7	17	-F		V						
GRP28265	25	1611	1645	1616	N18	E22	.548	10595	27.3	34	-N						4 3 2 5		
RAMY	25	1609	1651	1615	N18	E21	.539	10595	27.2	42	-N		C		1.40		F		
SANM	25	1611	1638	1616	N19	E21	.550	10595	27.2	27	-N	1	C		1.34	1.71	E		
BOUL	25	1612	1645	1617	N17	E25	.567	10595	27.5	33	-N		V		1.45		E		
MCMA	25	1620E	16500		N17	E21	.528	10595	27.3	300	-N		C	1627	.62	.70	E		
GRP28268	25	1918	1926	1922	S06	W18	.308	10588	24.5	8	-F						4 4 4 5		
SANM	25	1916	1926	1921	S05	W19	.326	10588	24.4	10	-F	1	C		1.58	1.87	DH		
MCMA	25	1918	1925	1922	S05	W18	.309	10588	24.5	7	-F		C	1922	1.77	1.10	E		
RAMY	25	1918	1926	1922	S07	W18	.307	10588	24.5	8	-N		C		1.03	1.10	E		
BOUL	25	1919	1925	1921	S07	W20	.340	10588	24.3	6	-N		C		1.60	2.00	F		
BOUL	25	1920	1928	1922	S03	W17	.300	10588	24.5	8	-N		V		1.90		E		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE 1970 FEB	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. %
GRP28269	25	1947	2015	1959	S02	W13	.241 10588	24.8	28	--F						4 4 3 5	
SANM	25	1946	2015	1959	S01	W14	.263 10588	24.8	29	-F	1	C	.79			E	
RAMY	25	1946	2012	2001	S03	W13	.235 10588	24.8	26	-N		C	.97	1.00		DE	
RAMY	25	1946	2012	1948	S03	W13	.235 10588	24.8	26	-F		C	.93				
MCMA	25	1947	2015	1958	S02	W12	.225 10588	24.9	28	-F		C	.36			E	
BOUL	25	1950	2019	1959	S02	W13	.241 10588	24.9	29	-N		S	.46	.50			
GRP28270	25	2031	2106	2040	N15	E14	.441 10595	26.9	35	-N			1.38			4 4 4 5	
MCMA	25	2030	2115	2041	N15	E16	.458 10595	27.1	45	-N		C	.93	1.00		E	
HOUT	25	2030	2105	2040	N15	E12	.425 10595	26.8	35	1N		C	2.00	2.20		E	
RAMY	25	2032	2059	2040	N14	E13	.419 10595	26.8	27	-N		C	1.29			DE	
BOUL	25	2037E	2105	2039U	N13	E13	.406 10595	26.8	28D	-N		C	1.30	1.40		E	
BOUL	25	2037E	2059	2040	N17	E15	.475 10595	27.0	22D	-N		S					
272 MCMA	25	2137	2150D	2142	S08	W18	.307 10588	24.6	13D	--F		C	.41	.40		E 3	
GRP28273	25	2219	2227	2221	S07	W19	.323 10588	24.5	8	-N			1.70			2 2 1 2	
BOUL	25	2218	2226	2221	S07	W17	.290 10588	24.7	8	-N		V					
HOUT	25	2219	2227	2221	S07	W19	.323 10588	24.5	8	-N		C	1.70	1.90			
BOUL	25	2220	2226	2222	S05	W20	.342 10588	24.4	6	-F		C	1.20	1.30			
GRP28274	25	2229	2257	2233	N15	E13	.432 10595	26.9	28	-N			1.65			2 2 2 2	
HOUT	25	2229	2240D	2235	N15	E12	.425 10595	26.8	11D	-N		C	2.00	2.20		E	
BOUL	25	2229	2255	2231	N13	E13	.406 10595	26.9	26	-N		C	1.30	1.40		E	
BOUL	25	2230	2259	2232	N17	E15	.475 10595	27.1	29	-N		V					
	25	2255	2345	NO FLARE PATROL													
GRP28275	26	0113	0210	0118	S06	W13	.224 10588	25.1	57	-N			1.45			2 2 2 3	
MANI	26	0113	0121D	0118	S07	W12	.206 10588	25.2	8D	-N	2		.52	.53			
CULG	26	0113	0210		S04	W13	.230 10588	25.1	57	1N		C	0117	2.37	2.30		
GRP28279	26	0607	0640	0614	S05	W19	.326 10588	24.8	33	-N			1.70			2 2 2 4	
CULG	26	0605E	0624D	0614	S04	W16	.280 10588	25.1	19D	1N		P	0614	2.78	2.70	H	
MANI	26	0609	0636	0614	S05	W17	.293 10588	25.0	27	-N	2		0614	.62	.65		
MANI	26	0625	0644	0633	S08	W26	.435 10588	24.3	19	-F	2		0633	.41	.46		
GRP28280	26	0704	0727	0711	N20	W20	.553 10592	24.8	23	--F			.61			2 2 2 5	
MANI	26	0700	0728	0711	N19	W20	.541 10592	24.8	28	-N	2		0711	.31	.37		
ABST	26	0708	0725	0711	N21	W19	.556 10592	24.9	17	-F		C	0711	.90	1.10		
GRP28284	26	0811	0834	0818	S18	W44	.697 10584	23.0	23	--F			.99			2 2 2 5	
MANI	26	0808	0833	0817	S19	W42	.675 10584	23.2	25	-N	2		0817	.62	.83		
ABST	26	0813	0835	0818	S16	W45	.705 10584	23.0	22	-F		C	0818	1.35	1.80		
GRP28285	26	0857	1403 ()		N09	E74	.968 10606	3.9	306	1B			1.21			2 2 2 6	
HTRP	26	0857E	1136D		N09	E73	.964 10606	3.8	159D	1B			1018	1.13			
SANM	26	1135E	1403		N08	E75	.972 10606	4.1	148D	1B	1		1135	1.29		BEG	
HTRP	26	1146E	1151D		N09	E72	.959 10606	3.9	5D	-F		C	1147	.93			
GRP28288	26	1247	1304	1248	N14	E11	.404 10595	27.4	17	--N			.36			3 3 3 5	
RAMY	26	1246	1316	1248	N14	E11	.404 10595	27.4	30	-N		C	.46			DE	
SANM	26	1247	1259	1247	N14	E11	.404 10595	27.4	12	-N	1		.32	.38		DH	
MCMA	26	1248E	1257		N14	E12	.411 10595	27.4	9D	-N		C	1248	.31	.30	D	
GRP28289	26	1622	1639	1625	N20	W26	.606 10592	24.7	17	--F			.40			4 4 3 5	
MCMA	26	1622	1640	1624	N19	W26	.597 10592	24.7	18	-N		C	1624	.26	.40	D	
RAMY	26	1622	1651	1625	N19	W26	.597 10592	24.7	29	-F		C	.52			DE	
HTRP	26	1622	1627	1624	N20	W26	.606 10592	24.7	5	-F		C	1624	.41	.50		
BOUL	26	1624E	1638	1625	N20	W25	.597 10592	24.8	14D	-N		V					
291 RAMY	26	1819	1850	1824	N19	W27	.606 10592	24.7	31	--N			.41			DE 2	
GRP28292	26	1853	1913	1857	S03	E53	.798 10604	2.8	20	--F			.57			2 2 1 3	
RAMY	26	1853	1915	1858	S02	E53	.799 10604	2.8	22	-F		C	.57			DE	
BOUL	26	1853	1910	1856	S03	E52	.787 10604	2.7	17	-N		V					
GRP28309	27	0426	0537	0444	S22	W54	.809 10584	23.1	71	1N			3.07			3 2 2 4	
CULG	27	0418	0548	0447	S20	W55	.816 10584	23.1	90	2B		C	0447	4.13	7.20	LRS	
MANI	27	0433	0513	0436	S20	W64	.892 10584	22.4	40	-N	2		0436	1.03	2.00		
CRON	27	0434	0525	0440U	S23	W53	.801 10584	23.2	51	1F		C		2.00	3.40	E	
GRP28314	27	0719	0736	0725	S05	E47	.729 10604	2.8	17	--F			.99			3 3 3 6	
HTRP	27	0718E	0735	0727	S05	E47	.729 10604	2.8	17D	-F		C	0727	.93	1.30		
CRON	27	0719	0733	0724	S06	E45	.703 10604	2.7	14	-N		C	.70	1.00			
MANI	27	0721	0740	0724	S04	E48	.741 10604	2.9	19	-F	1		0724	1.34	2.00		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLARE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %	
					LAT.	MER. DIST.													
1970 FEB																			
GRP28321	27	1154	1206	1158	N13	W05	.355	10595	27.1	12	-N							4 4 4 7	
RAMY	27	1149	1213	1158	N12	W05	.339	10595	27.1	24	-F	C						DE	
MONT	27	1154	1206	1159	N14	W05	.371	10595	27.1	12	-N	C	1159	1.13					
ZURI	27	1156	1200	1158	N13	W06	.359	10595	27.0	4	-B	C	1158	1.32	1.40				
HTPR	27	1156	1204	1158	N13	W05	.355	10595	27.1	8	-N	C	1158	1.24	1.30			E	
GRP28325	27	1222	1242	1229	N13	W05	.355	10595	27.1	20	-N							3 3 3 6	
MONT	27	1217	1240	1228	N14	W05	.371	10595	27.1	23	-N	C	1228	1.55					
RAMY	27	1222	1245	1228	N12	W05	.339	10595	27.1	23	-N	C		.83				DE	
HTPR	27	1228	1240	1232	N13	W05	.355	10595	27.1	12	-F	C	1232	.72	.80			E	
GRP28326	27	1413	1430	1417	N20	W39	.732	10592	24.7	17	--F							4 4 3 8	
RAMY	27	1412	1428	1414	N18	W39	.719	10592	24.7	16	-F	C		.40				DE	
SANM	27	1412	1435	1420	N20	W39	.732	10592	24.7	23	-F	1 C		.52				D	
HTPR	27	1414	1429	1415	N20	W39	.732	10592	24.7	15	-F	C	1415	.48	.70				
BOUL	27	1415E	1428	1418	N20	W37	.712	10592	24.8	13D	-N	V		.21	.30				
GRP28327	27	1422	1433	1424	N12	W23	.498	10613	25.9	11	--F							3 3 2 7	
BOUL	27	1422	1432	1423	N11	W23	.488	10613	25.9	10	-N	V		.42					
SANM	27	1422	1435	1424	N13	W24	.519	10613	25.8	13	-F	1 C		.32	.37			D	
HTPR	27	1423	1432	1425	N13	W23	.507	10613	25.9	9	-F	C	1425	.52	.60				
GRP28332	27	1555	1616	1601	N20	W29	.635	10592	25.5	21	--F							3 3 2 6	
MCMA	27	1550	1611D	1555	N20	W28	.625	10592	25.6	21D	-N	C	1555	.42	.70			E	
HTPR	27	1553	1614	1604	N20	W30	.645	10592	25.4	21	-F	C	1604	.52	.40				
BOUL	27	1602	1618	1605	N21	W28	.634	10592	25.6	16	-F	V		.31					
GRP28335	27	1640	1706	1644	N08	E75	.972	10607	5.3	26	--F							2 2 0 5	
BOUL	27	1639	1715	1644	N08	E75	.972	10607	5.3	36	-N	V						DE	
RAMY	27	1640	1656	1644	N08	E74	.967	10607	5.2	16	-F	C							
GRP28336	27	1712	1743	1720	N16	W09	.420	10595	27.0	31	--N							2 2 1 4	
RAMY	27	1710	1749	1719	N14	W10	.397	10595	27.0	39	-N	C		.93				DE	
BOUL	27	1713	1737	1720	N17	W07	.425	10595	27.2	24	-N	V							
GRP28337	27	1802	1820	1807	N15	W09	.405	10595	27.1	18	--F							2 2 1 4	
BOUL	27	1800	1816	1808	N17	W07	.425	10595	27.2	16	-F	V		1.13					
RAMY	27	1804	1823	1806	N13	W11	.390	10595	26.9	19	-N	C		1.13				F	
GRP28338	27	1845	1853	1847	N07	E75	.971	10607	5.4	8	--F							2 2 0 3	
RAMY	27	1845	1854	1847	N08	E76	.975	10607	5.5	9	-F	C						DE	
BOUL	27	1845	1852	1847	N06	E73	.961	10607	5.3	7	-N	V							
1 STATIONS REPORTING GROUP 28339. 1 STATIONS OBSERVING AND NOT REPORTING.																			
339 RAMY	27	1857	1937	1902	N09	E75	.972	10607	5.4	40	-N	C						F	2
339 RAMY	27	1857	1937	1912	N09	E75	.972	10607	5.4	40	*-N	C							2
341 CULG	27	2225	2304	2238	S21	W65	.900	10584	23.1	39	1N	C	2238	2.06	4.30			L	2
GRP28342	27	2318	2358	2325	N08	E70	.948	10607	5.2	40	1B							2 2 1 2	
CULG	27	2318	2358	2327	N07	E70	.947	10607	5.2	40	2B	C	2327	2.68				R	
BOUL	27	2318E	2322D	2322	N08	E69	.942	10607	5.1	40	1B	S							
	27	2359	0000	NO FLARE PATROL															
343 CULG	28	0054	0156	0107	S22	W64	.893	10584	23.2	62	1N	C	0107	1.86	4.10			LR	2
344 CULG	28	0152	0215	0159	S07	E71	.942	10608	5.4	23	1N	C	0159	1.13					2
GRP28351	28	0610	0624	0611	S07	W51	.773	10588	24.4	14	-B							2 2 1 6	
TACH	28	0609	0624	0611	S08	W52	.783	10588	24.4	15	-B	C	0611	.72	1.13			E	
TEHR	28	0610	0620D		S06	W50	.762	10588	24.5	10D	-N						100		
4 STATIONS REPORTING GROUP 28352. 3 STATIONS OBSERVING AND NOT REPORTING.																			
GRP28352	28	0646	0731	0703	N15	W22	.517	10595	26.6	45	--F							3 2 2 7	
MANI	28	0643	0714		N14	W21	.496	10595	26.7	31	-N	1	0648	.83	.94				
ABST	28	0648	0750	0703	N15	W23	.527	10595	26.6	62	1F	P	0703	1.79	2.10			E	
TEHR	28	0720E	0730D		N14	W21	.496	10595	26.7	10D	-F								
28352	28	0658	0751	0730	N14	W21	.496	10595	26.7	53	*-F							2 2 2 7	
HTPR	28	0658E	0751	0730	N15	W22	.517	10595	26.6	53D	-F	C	0730	.41	.50				
MANI	28	0726E	0750		N13	W20	.475	10595	26.8	24D	-F	2	0729	1.34	1.60				

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE 1970 FEB	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		MAX. INT. %
731	MANI	01	0134	0203	0141	S26	E45	.735	10557	4.4	29	-F	1	0141	.62	.89			5
732	CULG	01	0145	0206	0150	S10	W78	.975	10545	26.2	21	1N	C	0150	.77				5
734	MANI	01	0629	0643	0637	S15	W80	.981	10542	26.3	14	-F	1	0637	.41	1.06			3
735	MANI	01	0647	0702	0649	S15	W80	.981	10542	26.3	15	-F	1	0649	.52	1.33			4
736	MANI	01	0717	0728	0722	S13	W81	.985	10542	26.2	11	-F	1	0722	.41	1.08			4
738	MANI	01	0842	0910	0850	N18	W22	.535	10561	30.7	28	-F	1	0850	.83	1.00			4
GRP27740	01	1219	1228	1222	S17	W90	1.000	10542	25.8	9	-N								
ONDR	01	1219E	1228		S17	W90	1.000	10542	25.8	9D	-N	V	1221			2.80		2 1 0 4	
RAMY	01	1221	1226	1222	S13	W77	.970	10542	26.7	5	-F	C						ACFJ DE	
741	RAMY	01	1418	1432	1421	S28	E40	.692	10556	4.6	14	-F	C		.26				DE 7
745	MANI	01	2345	0018	2348	N18	W30	.617	10561	30.7	33	-F	1	2348	.83	1.00			4
753	MANI	02	0701E	0730	0705	N18	W33	.650	10561	30.8	29D	-F	1	0705	.93	1.27			4
755	CATA	02	1155E	1220D	1205	S14	W90	1.000	10542	26.7	25D	1B		1205	.69			234	A 6
756	CAPS	02	1316E	1325D		S11	E10	.191	10566	3.3	9D	-F	1 S	1320	1.00	1.00		147	C 8
763	BOUL	02	1722	1743	1729	N18	W38	.702	10561	30.9	21	-N	V						2
767	MITK	03	0215	0232	0220	N19	W48	.804	10561	30.5	17	-F	C	0220	1.03	1.70			E 5
769	MANI	04	0208E	0220	0209D	S05	W87	.998	10544	28.6	12D	-F	1	0209	.31	.98			3
GRP27775	04	2346	0109	0011	S23	E73	.951	10567	10.5	83	1F				1.55				
CULG	04	2346	0109D	0011	S23	E73	.951	10567	10.5	83D	1F	P	0011	1.55				2 1 1 3	
MANI	04	2350	0010	2357	S23	E75	.960	10567	10.6	20	-F	1	2357	.31	.81				
776	MANI	05	0054	0107	0055	N08	E81	.990	10568	11.1	13	-F	1	0055	.31	.72			4
777	ISTA	05	0750	0821		N07	E63	.901	10568	10.1	31	-B							2
778	ISTA	05	0805	0820		N16	E62	.908	10568	10.0	15	-N							2
781	CATA	06	0825	0910	0835	N04	E06	.207	10559	6.8	45	-N		0835	.69	.71		186	7
784	BOUL	06	1626	1632D	1630	S11	E05	.118	10560	7.1	6D	-N	V						2
789	HTPR	07	0822E	0832D		S13	W05	.143	10560	7.0	10D	-F	C	0824	.83	.80			BE 8
790	HTPR	07	1005	1050	1031	S13	W05	.143	10560	7.0	45	-F	C	1031	1.03	1.00			E 6
792	HTPR	07	1314	1317	1315	S13	W06	.154	10560	7.1	3	-F	C	1315	.31	.30			4
793	BOUL	07	1446	1505	1452	S15	E90	1.000	10580	14.4	19	1N	V						5
794	BOUL	07	1555	1610	1600	S11	E33	.543	10567	10.1	15	-F	V						4
795	BOUL	07	2022	2036	2025	N21	E38	.723	10568	10.7	14	-F	V						4
796	RAMY	07	2028	2037	2030	S11	W21	.362	10560	6.3	9	-F	C		.31				F 4
797	BOUL	07	2038	2045	2039	S14	W07	.178	10560	7.3	7	-F	V						4
798	BOUL	07	2046	2051	2047	S07	W12	.207	10560	7.0	5	-F	V						4
799	RAMY	07	2133	2140	2134	S13	W09	.192	10560	7.2	7	-F	C		.41				DE 4
800	BOUL	07	2304	2315D	2310	S12	E29	.487	10567	10.1	11D	-F	V						3
801	MANI	08	0017E	0035		S12	W10	.196	10560	7.3	18D	-N	1	0018	.62	.63			4
803	MANI	08	0058	0111D		N19	E39	.721	10568	11.0	13D	-F	1	0101	.41	.62			4
804	MANI	08	0141	0203D		N19	E39	.721	10568	11.0	22D	-N	1	0148	.41	.62			4
GRP27805	08	0357	0409	0359	S12	W15	.272	10560	7.0	12	-F				.89				
SIBE	08	0356	0406	0358	S12	W15	.272	10560	7.0	10	-F	C	0358	1.16	1.20	3.58	57	2 2 2 6	
MANI	08	0358	0412	0400	S12	W14	.257	10560	7.1	14	-N	1	0400	.62	.64			E	
806	MANI	08	0435	0443D		S12	W11	.211	10560	7.4	8D	-N	1	0437	.72	.75			6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE 1970 FEB	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMMATH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %				
808	MANI	08 0617	0629D	0621	N17	E32	.635	10568	10.7	120	-N	2	0621	.31	.41			5			
811	TEHR	08 0737	0743D		S08	W67	.916	10566	3.3	60	-F							7			
812	HTPR	08 0817	0840	0836	S10	W70	.935	10566	3.1	23	-F	C	0836	.31	.60			8			
814	TEHR	08 1005E	1025D		N18	E34	.663	10568	11.0	200	-F							8			
815	CATA	08 1025	1030	1025	S12	W69	.928	10566	3.3	5	-N		1025	.46			186	6			
816	TEHR	08 1025E	1035D		N16	E34	.649	10568	11.0	100	-F							7			
817	TEHR	08 1030E	1040D	1033	N15	E32	.620	10568	10.8	100	-F							8			
818	CATA	08 1220	1235	1225	S12	W18	.319	10560	7.2	15	-B		1225	.52	.55		257	Z	4		
819	HTPR	08 1430	1442	1432	S12	W20	.350	10560	7.1	12	-F	C	1432	.83	.80			5			
820	HTPR	08 1503	1512D	1504	S12	W21	.366	10560	7.1	90	-F	C	1504	.31	.30			4			
822	BOUL	08 1634	1644	1639	S09	W18	.309	10560	7.3	10	-N	V						4			
823	MCMA	08 1704E	1709D		S13	W20	.354	10560	7.2	50	-N	P	1708	.52	.60			E	3		
829	BOUL	08 2103	2116	2107	S12	E17	.303	10567	10.2	13	-N	V						3			
830	BOUL	08 2105	2128	2117	S09	W24	.405	10560	7.1	23	-N	V						2			
831	BOUL	08 2142	2210	2148	S11	W23	.393	10560	7.2	28	-N	V						2			
832	BOUL	08 2224	2255	2236	S11	W23	.393	10560	7.2	31	-B	V						2			
834	MANI	09 0032	0056	0036	S10	W79	.978	10566	3.1	24	-F	2	0036	.62	1.50			3			
835	MANI	09 0049	0055	0051	S11	W28	.470	10560	6.9	6	-N	3	0051	.26	.29			4			
837	CULG	09 0157	0224	0202	S11	E84	.992	10578	15.4	27	1F	C	0202	.83				R	4		
838	MANI	09 0243	0311	0257	N19	E27	.600	10568	11.1	28	-F	3	0257	1.13	1.49			5			
839	CULG	09 0318	0356	0330	S13	E85	.994	10578	15.5	38	1F	C	0330	.83				R	6		
842	MITK	09 0713	0730	0721	S09	W80	.982	10566	3.3	17	-N	C	0721	.52				D	6		
843	CRON	09 0800	0815	0807	S11	W90	1.000	10566	2.6	15	-N	C		.40	1.60			6			
844	HTPR	09 0807	0813	0809	N19	E18	.516	10568	10.7	6	-N	C	0809	1.03	1.20			6			
GRP27845	MANI	09 0830	0847	0836	S12	W29	.487	10560	7.2	17	-F			.42				2	2	2	6
	HTPR	09 0828	0841	0833	S12	W28	.472	10560	7.3	13	-N	2	0833	.31	.35			E			
		09 0831	0853	0838	S12	W30	.501	10560	7.1	22	-F	C	0838	.52	.60						
846	HTPR	09 0942	0956	0951	N21	E18	.540	10568	10.8	14	-F	C	0951	.31	.40			4			
848	RAMY	09 1140	1213	1148	S14	E80	.981	10578	15.5	33	-F	C						F	4		
GRP27851	SANM	09 1316	1322	1318	S21	E38	.636	10571	12.4	6	-F			.24				2	2	2	7
	RAMY	09 1315	1321	1317	S20	E38	.632	10571	12.4	6	-F	1		.17	.21			D			
		09 1316	1322	1318	S22	E38	.640	10571	12.4	6	-F	C		.31				DE			
GRP27853	HUAN	09 1427	1432	1429	N19	E14	.485	10568	10.7	5	-N			.45				2	2	1	8
	BOUL	09 1425	1432	1428	N18	E14	.472	10568	10.7	7	-N	1	1428	.45	.52			E			
		09 1428	1432	1430	N19	E14	.485	10568	10.7	4	-N	V									
855	HUAN	09 1448	1450	1449	N18	E14	.472	10568	10.7	2	-N	1	1448	.21	.24			D		5	
857	HUAN	09 1513	1518	1516	S12	W34	.559	10560	7.1	5	-F	1	1516	.25	.30			D		5	
863	SANM	09 2112	2124	2113	N18	E12	.458	10568	10.8	12	-F	1		.48	.54			E		4	
GRP27869	MITK	10 0250	0320	0256	N17	E13	.452	10568	11.1	30	-N			.52				2	1	1	6
	MANI	10 0250	0320	0256	N17	E13	.452	10568	11.1	30	-N	C	0256	.52	.60			D			
		10 0258E	0321		N19	E11	.466	10568	10.9	23D	-N	1	0308	1.75	2.00						
870	MANI	10 0328	0358D		N19	E09	.455	10568	10.8	300	-N	1	0333	1.44	1.60					7	
GRP27871	TEHR	10 0700	0710	0705	N17	E05	.408	10568	10.7	10	-F			1.28				2	2	1	6
	TACH	10 0700	0705D	0705	N17	E04	.405	10568	10.6	50	1N										
		10 0705E	0710D		N17	E06	.412	10568	10.7	50	-F	P	0708	1.28	1.40	1.10	48	Z			

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	DATE 1970 FEB	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
872 MANI	10	0715E	0722		N19	E08	.450 10568	10.9	7D	-N	1	0716	1.24	1.40			5
877 TEHR	10	1050	1105D	1055	N04	W47	.744 10559	6.9	15D	-F							5
878 TEHR	10	1117	1133D		S13	E28	.474 10571	12.6	16D	-F							4
879 TEHR	10	1123E	1133D		S14	W41	.656 10560	7.4	10D	-F							4
883 SANM	10	1424	1440	1431	N27	E61	.926 10576	15.2	16	-F	1	C	.80				E 5
884 RAMY	10	1436	1455D	1440	N18	E01	.416 10568	10.7	19D	-N		C	.52				DE 5
891 SANM	10	2010	2019	2014	S19	W29	.512 10569	8.7	9	-F	1	C	.17	.19			DL 4
896 MITK	11	0210	0218	0212	S16	E17	.327 10571	12.4	8	-F		C	0212	.83	.90		D 4
GRP27900 TEHR TEHR	11 11 11	1045 1045 1045	1105 1105D 1105D		N19 N20 N19	W03 W03 W04	.435 10568 .451 10568 .437 10568	11.2 11.2 11.1	20 20D 20D	-F -F -F							1 1 0 3
902 ONDR	11	1215E	1224		S17	E12	.270 10571	12.4	9D	1N		V	1217			2.80	CH 4
GRP27903 CATA RAMY	11 11 11	1330 1330 1335E	1355 1355 1345D	1333 1330 1335U	N19 N18 N19	W06 W05 W06	.443 10568 .425 10568 .443 10568	11.1 11.2 11.1	25 25 10D	-B -B -N		V	1330 1330 1.24	1.20 1.16 1.28		355	2 2 2 3 T F
906 RAMY	11	1550E	1553D	1550U	S25	E90	.999 10581	18.4	3D	-N		V					5
910 MCMA	11	1908E	1925D		N18	W11	.453 10568	11.0	17D	-F		C	1922	.77	.80		E 4
911 SANM	11	1913	1939	1919	S13	W63	.885 10560	7.1	26	-F	1	C		.17	.34		D 4
917 MANI	12	0240E	0241D		S24	E00	.298 10571	12.1	1D	-F	1		0240	.21	.67		6
918 CULG	12	0259	0313	0307	S12	W70	.934 10560	6.9	14	1F		C	0307	1.03			H 5
920 MITK	12	0415	0437	0417	N19	W14	.487 10568	11.1	22	-F		C	0417	.83	.90		E 4
922 MANI	12	0602	0610	0606	S24	E85	.992 10581	18.6	8	-F	2		0606	.52	1.47		4
923 MANI	12	0646	0658	0650	S14	E01	.129 10571	12.4	12	-F	2		0650	.62	.62		5
924 MANI	12	0726	0735	0730	N20	W18	.530 10568	11.0	9	-F	2		0730	.83	.98		5
925 CULG	12	0740E	0756D		S20	E88	.997 10581	18.9	16D	1N		P	0741	.52			6
927 CAPS	12	0847E	0855D		N25	W10	.547 10568	11.6	8D	-F	1	V					9
931 HURB	12	1238E	1244D	1238	S21	E90	.999 10581	19.3	6D	1N						4.80	A 6
GRP27933 MONT HURB SANM CAPS RAMY	12 12 12 12 12 12	1336 1335E 1335 1335E 1337 1340E	1357 1347D 1351 1405 1353D 1400	1340 1340 1339 1341 1341U	S14 S13 S14 S13 S15 S13	W02 W01 W02 W04 E00 W02	.132 10571 .111 10571 .132 10571 .130 10571 .145 10571 .115 10571	12.4 12.5 12.4 12.3 12.6 12.4	21 12D 16 30D 16D 20D	--B C -N -B -B -N		1 2 V	1340 1342	1.36 3.09 .80 .70 .83	.81 .70	1.80	5 5 4 5 E F
934 SANM	12	1448	1507	1455	S21	E89	.998 10581	19.3	19	-F	1	C		.17			D 5
GRP27935 HOUT BOUL	12 12 12	1512 1507 1517	1523 1522 1523	1516 1511 1521	S13 S14 S12	W79 W80 W78	.978 10560 .981 10560 .974 10560	6.7 6.6 6.8	11 15 6	-N -N -N		C V		.30 .30	1.00		2 2 1 6
937 MCMA	12	1650	1705	1655	N17	W28	.594 10568	10.6	15	-N		C	1655	.52	.60		E 4
939 BOUL	12	1710	1719	1713	S19	E90	.999 10581	19.5	9	-N		V					4
945 MANI	12	2321	0027	2322	S14	W06	.163 10571	12.5	66	-F	1		2322	.26	.26		3
946 MANI	13	0004	0017	0007	S21	E84	.990 10581	19.3	13	-N	2		0007	.52	1.44		4
949 MITK	13	0338	0353D	0342	N18	W34	.665 10568	10.6	15D	-N		C	0342	1.44	1.90		E 5
953 HTPR	13	0908	1032	0914	N17	W34	.658 10568	10.8	84	-F		C	0914	.83	.90		E 5
954 SANM	13	1120E	1130		N18	W36	.686 10568	10.8	10D	-F	1	P	1127	.80	1.10		ET 6
955 SANM	13	1226	1232	1229	N18	W37	.696 10568	10.7	6	-F	1	C		.48	.68		D 5

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	DATE 1970 FEB	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. %		
956 RAMY	13	1251	1259	1252	S12 E51	.772	10579	17.4	8	-N	C		.57				DE 4	
959 RAMY	13	1336	1405	1339	S16 W03	.169	10571	13.3	29	-N	C		.88				DE 5	
961 RAMY	13	1430	1454	1436	S12 E76	.966	10581	19.3	24	-N	C		.31				F 4	
972 MITK	13	2342	0000	2349	S16 W90	.999	10560	7.2	18	1F	C	2349	.62				4	
973 MANI	14	0121E	0129		N13 W48	.784	10568	10.5	80	-F	3	0122	.41	.64			5	
976 MANI	14	0407	0413	0408	N16 W42	.736	10568	11.0	6	-F	3	0408	.26	.38			5	
GRP27979	14	0620	0744	0722	N16 W46	.776	10568	10.8	84	-F			.90				2 2 1 8	
ISTA	14	0620	0800		N16 W48	.795	10568	10.7	100	-F								
ABST	14	0721	0727	0722	N16 W43	.746	10568	11.1	6	-F	C	0722	.90	1.40			DIJ	
GRP27980	14	0620	0850	0820	S11 E45	.702	10579	17.6	150	-N			1.80				3 1 1 7	
ISTA	14	0620	0850	0820	S11 E45	.702	10579	17.6	150	-N								
MANI	14	0620	0649	0629	S12 E45	.703	10579	17.6	29	-F	2	0629	.93	1.29				
ABST	14	0637E	06540	0645	S14 E43	.680	10579	17.5	170	1F	C	0645	1.80	2.20			J	
981 ISTA	14	0730	0820		S23 E70	.933	10581	19.6	50	-N							7	
984 ABST	14	1057	1112	1101	N17 W52	.835	10568	10.6	15	-F	P	1101	.99	1.80			DIJ 6	
989 MCMA	14	1415	1520	1450	S12 E37	.600	10579	17.4	65	-F	C	1450	1.03	1.30			E 4	
990 SANM	14	1450	1500	1451	S12 E69	.928	10581	19.8	10	-F	1 C		.17				D 4	
GRP27991	14	1616	1625	1618	N19 W63	.922	10568	10.0	9	-F			.48				2 2 1 5	
BOUL	14	1616	1625	1618	N18 W61	.907	10568	10.1	9	-N	V							
SANM	14	1617E	1624		N20 W65	.935	10568	9.8	70	-F	1 P	1618	.48				D	
992 RAMY	14	1712	1732	1715	S11 E35	.571	10579	17.3	20	-N	C		.36				DE 5	
999 BOUL	14	2255	22580	2258	S12 W38	.613	10571	12.1	30	-N	V						3	
003 TEHR	15	0627	06350		N17 W60	.898	10568	10.8	80	-F							4	
004 TEHR	15	0633	06380		N18 W54	.855	10568	11.2	50	-F							4	
005 TEHR	15	0715E	07300		N18 W54	.855	10568	11.3	150	1F							6	
006 TEHR	15	0715E	07250		S12 E30	.500	10579	17.6	100	-F							6	
007 TEHR	15	1010	10380	1021	S12 E30	.500	10579	17.7	280	-F							3	
008 TEHR	15	1015E	10380		S13 W45	.703	10571	12.1	230	1F							3	
016 BOUL	15	2010	2034	2015	S15 W67	.914	10567	10.8	24	-N	V						2	
019 MANI	16	0030E	0054		S13 W54	.803	10571	12.0	240	-F	3	0031	.41	.68			3	
025 ISTA	16	0818	0834		S11 W72	.946	10567	10.9	16	-F							5	
026 ABST	16	0936	0954	0939	S15 W57	.833	10571	12.1	18	1F	C	0939	1.35	2.50		58	E 6	
027 CAPS	16	0958E	1003		S21 E45	.716	10581	19.8	50	-F	V	1000	.60	.80		140	CD 7	
029 TEHR	16	1148	11580		N18 W71	.963	10568	11.2	100	-F							6	
030 TEHR	16	1148E	11520		N16 W81	.993	10568	10.4	40	-F							6	
033 RAMY	16	1320	1332	1325	S12 E52	.782	10586	20.5	12	-F	V		.41				DE 6	
042 VORO	16	2359	0009	0000	S22 E52	.791	10586	20.9	10	-B	C	0000	.84	1.30		83	E 4	
043 MITK	17	0015	0025	0018	S11 W70	.934	10571	11.8	10	1F	C	0018	1.03				4	
044 VORO	17	0116	01410	0131	S19 E29	.510	10581	19.2	250	-B	C	0131	.93	1.05		100	DJ 5	
047 CULG	17	0219	0246	0227	S10 W72	.946	10571	11.7	27	1N	C	0227	1.13				R 6	
049 CULG	17	0817	08300		S12 W70	.934	10571	12.1	130	1N	P	0830	1.03				5	
050 MONT	17	1041	1047	1043	N16 W59	.889	10572	13.0	6	-N	C	1043	.21				9	
052 RAMY	17	1201	1218	1204	S13 W06	.148	10579	17.1	17	-F	C		.36				DE 5	

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	DATE 1970 FEB	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. %		
053 SANM	17	1207	1231	1211	S20	E25	.463	10581	19.4	24	-F	1	C		.32	.36			D	6
057 BOUL	17	1731	1743	1734	N15	W60	.894	10572	13.2	12	-N		V							4
058 RAMY	17	1748	1757	1750	S18	E66	.907	10584	22.7	9	-N		C		.52				DE	4
060 BOUL	17	1807	1820	1808	N15	W60	.894	10572	13.3	13	-N		V						4	
062 RAMY	17	1823	1837D	1827	S11	W04	.099	10579	17.5	14D	-F		C		.67				DE	4
GRP28064	17	2009	2019	2009	S21	E29	.521	10581	20.0	10	-N		V		.52				2 1 1 5	
BOUL	17	2007	2013	2009	S19	E32	.550	10581	20.2	6	-N		V							
RAMY	17	2009E	2019	2009U	S21	E29	.521	10581	20.0	10D	-N		C		.52				F	
066 HOUT	17	2020	2030	2024	S15	W90	1.000	10567	11.1	10	-F		C		.30	1.20			5	
068 MANI	18	0020E	0043		S15	E62	.876	10584	22.7	23D	-N	2		0022	.93	1.70			3	
069 CULG	18	0150	0205	0155	S20	E61	.870	10584	22.7	15	1N		C	0155	1.34	2.60			4	
074 CULG	18	0642	0720	0702	S18	W74	.955	10571	12.7	38	1N		C	0702	.83				6	
075 ISTA	18	0925	0956		S13	W13	.245	10579	17.4	31	-F								7	
076 ISTA	18	0930	0937		S17	E55	.815	10584	22.5	7	-N								7	
077 HTPR	18	1002	1015	1004	S22	E12	.326	10581	19.3	13	-F		C	1004	.41	.40			E	6
078 RAMY	18	1259	1315	1302	S05	E81	.986	10588	24.6	16	-N		C		.72				DE	4
079 RAMY	18	1330	1348	1337	S15	W89	.999	10571	11.9	18	-F		C						DE	4
080 RAMY	18	1337	1354	1340	N13	W72	.962	10572	13.2	17	-F		C		.31				DE	4
084 BOUL	18	1704	1718	1708	S17	E55	.815	10584	22.8	14	-F		V						4	
086 BOUL	18	1933	1936	1934	S06	E84	.993	10588	25.1	3	-N		V						3	
088 BOUL	18	2256	2304	2258	S23	E51	.783	10584	22.8	8	-F		V						3	
089 MANI	19	0205	0243	0211	S02	E85	.996	10588	25.5	38	1F	1		0211	.83	2.30			6	
090 MANI	19	0222	0252	0227	S15	E66	.907	10588	24.0	30	-F	1		0227	.62	1.23			5	
091 MANI	19	0228	0241	0234	S11	E40	.639	10584	22.1	13	-N	3		0234	.93	1.40			5	
094 MANI	19	0556	0606D	0603	S22	E07	.283	10581	19.8	10D	-F	2		0603	.62	.66			4	
097 CAPS	19	0850E	0856D		S13	W37	.600	10578	16.6	6D	-F	1	S	0855	1.00	1.20		157	7	
099 HTPR	19	1012E	1016		S14	W35	.575	10579	16.8	4D	-F		C	1012	.72	.80			4	
100 HTPR	19	1012E	1020	1015	S17	E50	.764	10584	23.2	8D	-F		C	1015	.93	1.30			4	
101 SANM	19	1048	1056	1050	S14	W29	.490	10579	17.3	8	-F	1	C		.65	.73			EIT	4
102 SANM	19	1117	1135	1121	S14	W29	.490	10579	17.3	18	-F	1	C		.48	.56			E	5
105 MCMA	19	1402	1405D	1403	N20	W63	.924	10587	14.9	3D	-N		C	1403	.21	.50			D	6
106 SANM	19	1516	1522	1517	S10	W29	.482	10579	17.5	6	-F	1	C		.80	.89			D	5
108 BOUL	19	1603	1620	1605	S06	E64	.895	10588	24.5	17	-F		V						5	
GRP28109	19	1711	1732	1714	S14	W38	.615	10579	16.9	21	-N		C		.93				5 5 4 5	
SANM	19	1710	1731	1714	S12	W39	.626	10579	16.8	21	-N	1	C		1.29	1.66			E	
HOUT	19	1710	1736	1713U	S15	W38	.617	10579	16.9	26	-F		C		1.30	1.70				
BOUL	19	1710	1733	1714	S13	W38	.614	10579	16.9	23	-N		V							
BOUL	19	1710	1725	1713	S15	W39	.630	10579	16.8	15	-F		C		.80	1.00				
RAMY	19	1711	1731	1714	S16	W39	.632	10579	16.8	20	-F		C		.52				DE	
MCMA	19	1712	1730	1713	S14	W38	.615	10579	16.9	18	-N		C	1713	.62	.80			EH	
126 SANM	20	1154E	1238		S18	E30	.518	10584	22.7	44D	2B	1	P	1154	5.50	6.48			BIL	5
127 SANM	20	1157	1205	1200	S06	E52	.784	10588	24.4	8	-F	1	C		.17	.27			D	6
128 CATA	20	1245	1340D	1310	S31	E40	.700	10584	23.5	55D	-B			1310	.80	1.15		204	5	
134 BOUL	20	2305	2312	2307	S13	E14	.259	10584	22.0	7	-F		V						4	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS						
	DATE 1970 FEB	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. %					
138	MANI	21	0218	0236	0219	S20	W27	.488	10581	19.1	18	-N	2	0219	.52	.58			3				
139	TEHR	21	0612E	0715D	0623	N14	E80	.990	10595	27.3	63D	-N							4				
140	TEHR	21	0623	0705D		N18	E50	.822	10592	25.0	42D	-F							4				
141	TEHR	21	0633E	0633D		S08	E44	.690	10588	24.6		-F							4				
142	CRON	21	0746	0805	0750	N16	E85	.999	10595	27.7	19	1N	C		1.10	3.30		E	3				
143	MONT	21	0845	0914	0856	S24	W26	.502	10581	19.4	29	-N	C	0856	2.06				3				
145	TEHR	21	1007E	1013D		S24	W27	.514	10581	19.4	6D	-F							3				
146	TEHR	21	1033	1042D		S19	E16	.336	10584	22.6	9D	-F							4				
149	CAPS	21	1155E	1201D		N20	E50	.830	10592	25.2	6D	-N	3	V	1200	1.00	1.80	165	C	3			
162	MANI	22	0033	0049	0036	N17	E69	.953	10595	27.2	16	-F	3	0036	.62	1.32			4				
163	MANI	22	0229	0309	0235	S02	E10	.194	10590	22.9	40	-F	2	0235	.62	.63			5				
165	MANI	22	0507	0518D		S04	E44	.693	10588	25.5	11D	-F	1	0512	.26	.33			3				
170	SANM	22	1202	1207	1205	N15	E59	.887	10595	26.9	5	-N	1	C		.32	.66		D	5			
171	CAPS	22	1203E	1208D		S08	E39	.625	10588	25.4	5D	-F	1	V						5			
172	CAPS	22	1205E	1208D		N11	E40	.691	10592	25.5	3D	-N	1	V						5			
173	SANM	22	1321	1326	1323	N20	E59	.899	10595	27.0	5	-F	1	C	.17	.38		D	5				
174	CAPS	22	1340E	1345D		N16	E38	.696	10592	25.4	5D	-F	1	S	1342	1.30	1.80			6			
177	BOUL	22	1541	1553	1543	N19	E36	.695	10592	25.4	12	-N		V						5			
179	RAMY	22	1743E	1804	1749U	N16	E64	.923	10595	27.5	21D	-F		C	.41				DE	4			
192	MANI	23	0211	0226	0215	S10	E19	.326	10588	24.5	15	-F	3	0215	.72	.76			4				
194	MANI	23	0357E	0410		S20	W46	.724	10581	19.7	13D	-N	3	0357	.52	.76			4				
195	MANI	23	0404	0438	0406	N16	E25	.557	10592	25.0	34	-N	2	0406	.31	.37			4				
196	MANI	23	0458	0504D	0500	S03	E28	.472	10588	25.3	6D	-F	2	0500	.26	.29			4				
198	TEHR	23	0610E	0615D		S09	E18	.308	10588	24.6	5D	-F							5				
GRP28199	TEHR	23	0627	0642	0635	N17	E48	.801	10595	26.9	15	-F			.46				2	2	1	5	
	TEHR	23	0627	0642D	0633	N17	E48	.801	10595	26.9	15D	-F											
	MANI	23	0635E	0641D	0637	N17	E48	.801	10595	26.9	6D	-N	1	0637	.46	.74							
201	TEHR	23	0715	0723D	0723	S21	W03	.245	10584	23.1	8D	-F									5		
GRP28202	ISTA	23	0803	0819		N10	W28	.540	10594	21.2	16	-F								2	2	0	6
	ISTA	23	0803	0817		N10	W28	.540	10594	21.2	14	-N											
	TEHR	23	0805	0820D		N10	W27	.528	10594	21.3	15D	-F											
203	CATA	23	0920	0925	0920	N16	E21	.516	10592	25.0	5	-N		0920	.29	.34		186			5		
204	CATA	23	0950	1000D	0955	S17	W21	.387	10584	21.8	10D	-B		0955	.75	.82		263			5		
205	CATA	23	0950	1000D	0955	S14	W90	1.000	10579	16.7	10D	-N		0955	.46			176			5		
206	HPR	23	1016	1030	1020	S20	W50	.767	10581	19.7	14	-F		C	1020	.72	1.00				5		
207	CATA	23	1045	1050	1045	S14	W90	1.000	10579	16.7	5	-N		1045	.40			174			5		
209	TEHR	23	1110E	1125D		N10	W26	.516	10594	21.5	15D	-F									5		
210	MCMA	23	1409	1418	1410	N02	E02	.162	10590	23.7	9	-F		C	1410	.36	.36		E		4		
211	MCMA	23	1419	1429	1422	N12	W33	.615	10594	21.1	10	-F		C	1422	.26	.30		D		5		
222	MCMA	23	2151	2200D		N20	E22	.569	10592	25.6	9D	-F		C	2159	.77	.90		E		4		
225	MANI	24	0149	0201	0156	N16	E44	.758	10595	27.4	12	-N	2	0156	.62	.95					5		
226	MANI	24	0218	0235	0225	N16	E39	.707	10595	27.0	17	-N	2	0225	.41	.60					5		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	TIME UT	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
228	MANI	24	0344	0353	0346	N16	E39	.707	10595	27.1	9	-N	2	0346	.83	1.26			5	
229	MANI	24	0523	0540	0527	S07	E04	.069	10588	24.5	17	-F	2	0527	1.65	1.64			5	
230	MANI	24	0611	0637	0616	S02	E07	.151	10588	24.8	26	-F	2	0616	1.03	1.04			4	
231	TEHR	24	0700E	0725D		S07	E02	.035	10588	24.4	25D	-F							5	
232	GRON	24	0738	0750	0740	S10	E85	.994	10604	2.7	12	1F	C		.80	2.60			6	
234	SANM	24	1053	1100	1054	N18	E35	.678	10595	27.1	7	-F	1	C	.97	1.30		E	6	
235	ABST	24	1102	1120	1104	S06	E04	.072	10588	24.8	18	-F	C	1104	1.07	1.00		E	5	
236	SANM	24	1110	1130	1113	N18	E35	.678	10595	27.1	20	-F	1	C	1.13	1.52		E	7	
239	MCMA	24	1512	1540D	1515	S07	W04	.069	10588	24.3	28D	-N	C	1515	.83	.90		E	4	
248	MANI	25	0006	0029	0009	N20	E00	.456	10592	25.0	23	-N	2	0009	1.44	1.51			3	
250	MANI	25	0208	0226	0209	N14	E25	.539	10595	27.0	18	-F	2	0209	1.13	1.38			4	
252	MANI	25	0503E	0513		N20	E00	.456	10592	25.2	10D	-F	2	0503	.31	.32			4	
253	MANI	25	0506	0521D	0511	S23	W78	.971	10581	19.4	15D	-F	2	0511	.62	1.38			4	
254	HTPR	25	0730	0735	0733	N15	E20	.496	10595	26.8	5	-F	C	0733	.41	.50		E	4	
256	CAPS	25	0859	0905		N14	W05	.370	10592	25.0	6	-F	3	V	0901	.40	.40	152		8
259	SANM	25	1331	1351	1339	N19	W12	.480	10592	24.7	20	-F	1	C	.17	.19		EH	8	
GRP28261		25	1500	1505	1502	N14	E28	.572	10595	27.7	5	-F			.21			2 2 1	8	
	RAMY BOUL	25	1500	1506	1503	N12	E26	.532	10595	27.6	6	-F	C		.21			DE		
		25	1500	1504	1501	N15	E29	.592	10595	27.8	4	-N	V							
GRP28263		25	1505	1521	1512	N17	E17	.491	10595	26.9	16	-F			.52			2 2 1	10	
	MCMA BOUL	25	1505E	1523		N15	E17	.467	10595	26.9	18D	-F	C	1508	.52	.60		E		
		25	1505	1519	1512	N18	E17	.504	10595	26.9	14	-F	V							
GRP28264		25	1515	1522	1519	S07	W18	.307	10588	24.3	7	-F			.41			2 2 1	10	
	HTPR BOUL	25	1513	1522	1519	S07	W19	.323	10588	24.2	9	-F	C	1519	.41	.40				
		25	1517	1522	1519	S06	W17	.291	10588	24.4	5	-F	V							
266	MCMA	25	1658	1720	1703	N16	E19	.497	10595	27.1	22	-F	C	1703	.52	.60		E	4	
267	BOUL	25	1752	1806	1759	N15	E15	.449	10595	26.9	14	-F	V						4	
271	BOUL	25	2117	2128	2120	N02	W29	.505	10590	23.7	11	-N	V						4	
276	MANI	26	0509	0534	0513	S06	W23	.389	10588	24.5	25	-N	2	0513	.52	.56			4	
277	MANI	26	0511	0528	0516	N06	E78	.981	10606	4.1	17	-F	2	0516	.31	.77			4	
278	MANI	26	0536	0552	0540	N11	E16	.409	10595	27.4	16	-N	1	0540	.83	.91			4	
281	MANI	26	0721	0731	0722	S07	W16	.274	10588	25.1	10	-F	1	0722	.52	.54			6	
282	MANI	26	0748	0803	0753	S06	W16	.275	10588	25.1	15	-N	2	0753	.26	.27			6	
283	ABST	26	0755	0800	0756	N15	E15	.449	10595	27.5	5	-N	C	0756	.90	1.00		D	6	
286	RAMY	26	1142	1157	1146	S07	W29	.481	10588	24.3	15	-F	C		.83			F	5	
GRP28287		26	1224	1241	1227	S02	W22	.383	10588	24.9	17	-F			.56			2 2 2	7	
	RAMY CAPS	26	1221	1241	1227	S02	W23	.399	10588	24.8	20	-F	C		.41			DE		
		26	1226	1238D		S01	W20	.356	10588	25.0	12D	-N	1	V	1227	.70	.70			
290	BOUL	26	1759E	1808	1759	S22	W47	.739	10584	23.2	9D	-N	V						3	
293	BOUL	26	1943	1954	1950	S13	E90	1.000	10608	5.6	11	-N	V						3	
294	RAMY	26	2130	2202D	2139	S03	E56	.828	10604	3.1	32D	-N	C		.31			DE	4	
295	BOUL	26	2142	2150	2144	S12	E87	.997	10608	5.4	8	-N	V						4	
296	BOUL	26	2207	2235	2208	N18	E69	.954	10606	4.1	28	-N	V						2	
297	BOUL	26	2310E	2315	2310	N18	W29	.617	10592	24.8	5D	-F	V						4	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %	
	1970 FEB																	
298 MANI	26	2329E	2343		S03	W44	.695	10590	23.7	14D	-N	1	2335	.62	.92			5
299 MANI	26	2337	0025	2346	S09	W38	.611	10588	24.1	48	-N	2	2346	.93	1.18			4
300 MANI	26	2340	2354	2342	N18	W28	.607	10592	24.9	14	-N	2	2342	.62	.76			4
301 MANI	27	0001	0025	0005	S03	E51	.777	10604	2.8	24	-N	2	0005	.52	.81			5
302 MANI	27	0032	0056	0036	S04	E53	.797	10604	3.0	24	-F	2	0036	.62	.97			5
303 MANI	27	0102	0119	0106	S04	W50	.764	10590	23.3	17	-N	2	0106	.31	.48			5
304 CULG	27	0219	0247	0233	N08	E83	.995	10607	5.3	28	1N	C	0233	.57				6
GRP28305 CULG	27	0257	0340	0304	S05	W27	.453	10588	25.1	43	-F			1.55				2 2 2 6
MANI	27	0256	0311D	0306	S04	W27	.455	10588	25.1	15D	1N	P	0306	2.06	2.10			
	27	0258	0340	0302	S06	W27	.452	10588	25.1	42	-F	2	0302	1.03	1.12			
306 MITK	27	0305	0315	0308	N06	E80	.987	10607	5.1	10	-F	C	0308	.52			D	5
307 CULG	27	0353	0448	0421	S07	E87	.998	10608	5.7	55	1N	C	0421	1.03			A	5
308 MANI	27	0405	0442	0407	S07	W45	.703	10588	23.8	37	-N	2	0407	.62	.85			5
310 MANI	27	0520	0625	0523	S04	E50	.764	10604	3.0	65	-F	2	0523	.83	1.27			4
311 MANI	27	0628	0640	0634	S05	W27	.453	10588	25.2	12	-N	1	0634	1.44	1.65			5
312 MANI	27	0641	0708	0644	S04	E49	.753	10604	3.0	27	-F	1	0644	1.13	1.70			5
313 MANI	27	0656	0712		S15	E49	.750	10605	3.0	16	1F	1	0658	1.65	2.50			5
315 MANI	27	0720E	0734		S15	E49	.750	10605	3.0	14D	-F	1	0721	1.03	1.60			6
316 MANI	27	0739	0756	0741	S24	W60	.864	10584	22.8	17	-N	1	0741	.72	1.32			6
317 MANI	27	0905	0932D	0907	N07	E72	.957	10607	4.8	27D	1F	1	0907	.21	.44			8
318 HTPR	27	0948	1000	0951	S14	E48	.738	10602	3.0	12	-N	C	0951	1.24	1.80		E	5
319 HTPR	27	1002	1034	1013	S05	E43	.679	10604	2.6	32	-N	C	1013	1.34	1.70		E	5
320 SANM	27	1046E	1050		S04	E40	.642	10604	2.4	4D	-F	1	P 1049	.48	.63		D	6
322 HTPR	27	1202	1223	1206	S05	E42	.667	10604	2.7	21	-F	C	1206	.41	.50		E	7
323 SANM	27	1205	1212	1208	N22	W66	.945	10597	22.6	7	-F	1	C	.32			D	6
324 MONT	27	1216	1235	1221	N20	W25	.597	10592	25.6	19	-N	C	1221	.41				6
GRP28328 BOUL	27	1449	1507	1453	N14	W08	.385	10595	27.0	18	-F			.52				2 2 1 6
HTPR	27	1449	1509	1451	N13	W08	.370	10595	27.0	20	-N	V						
	27	1449	1505	1454	N14	W07	.379	10595	27.1	16	-F	C	1454	.52	.60			
329 BOUL	27	1459	1507	1501	N21	W28	.634	10592	25.5	8	-F	V						7
330 BOUL	27	1524	1542	1530	N20	W33	.674	10592	25.2	18	-F	V						6
331 BOUL	27	1525	1540	1528	N08	E77	.979	10607	5.4	15	-F	V						5
333 HTPR	27	1626	1632	1628	S04	E38	.615	10604	2.5	6	-F	C	1628	.31	.40			4
334 BOUL	27	1635	1649	1638	N22	W32	.680	10592	25.3	14	-N	V						5
340 BOUL	27	2129	2138	2131	N14	W14	.428	10595	26.8	9	-F	V						5
345 MANI	28	0322E	0330	0325	S04	W40	.642	10588	25.1	8D	-F	2	0325	.31	.56			5
346 MANI	28	0411E	0435		S29	W69	.928	10584	23.0	24D	-F	1	0412	.41	.90			5
347 MANI	28	0454E	0536D	0456	N15	W17	.467	10595	26.9	42D	-N	2	0456	1.24	1.38			6
348 MANI	28	0459	0522D	0502	N07	E65	.916	10607	5.1	23D	-N	1	0502	.72	1.40			6
349 CULG	28	0531E	0602D	0551	S20	W67	.913	10584	23.2	31D	1N	P	0551	2.89	3.92		S	7
350 ABST	28	0548	0615	0550	N06	E66	.922	10607	5.2	27	1F	C	0550	1.26			E	7

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
	1970 FEB																	
GRP28354	28	0720	0735	(0726)	S04	E33	.544	10604	2.8	15	-F			1.03			2 2 1 8	
TEHR	28	0720E	0740D		S04	E34	.559	10604	2.9	20D	1F							
MANI	28	0725E	0730		S03	E32	.532	10604	2.7	5D	-F	2	0726	1.03	1.22			
355 TEHR	28	0720E	0725D		S06	W50	.762	10588	24.6	5D	-F						8	
356 HTPR	28	0825	0831	0827	N15	W18	.477	10595	27.0	6	-F	C	0827	.31	.30		8	
GRP28357	28	0836	0840	0837	N15	W18	.477	10595	27.0	4	-N			.70			2 2 2 7	
MONT	28	0835	0840	0837	N15	W18	.477	10595	27.0	5	-N	C	0837	.77		H		
HTPR	28	0836	0840	0837	N15	W18	.477	10595	27.0	4	-N	C	0837	.62	.60			
358 MANI	28	0837E	0845		N04	E62	.890	10607	5.0	8D	-B	2	0837	1.03	2.00		7	
362 TEHR	28	1020E	1045D	1030	S04	E34	.559	10604	3.0	25D	1N						7	
364 TEHR	28	1145E	1200D		N14	W16	.446	10595	27.3	15D	-F						5	
366 MCMA	28	1428	1436	1432	N18	W52	.840	10592	24.7	8	-F	C	1432	.41	.70	E	8	
367 HTPR	28	1452	1457	1453	N17	W50	.819	10592	24.9	5	-F	C	1453	.62	1.00		8	

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":

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.

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 H α 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 H α emission.
 Y = Onset of a system of loop-type prominences.
 Z = Major sunspot umbra covered by flare.