

SOLAR FLARES  
Confirmed  
DECEMBER 1970

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE 1970 DEC	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 Hr	MAX. INT. %				
242 CRON	01	0250	0302	0251	S11	E61	.881	11066	5.7	12	--N	2	C	0250	.22	.45				3	
GRP35243	01	0427	0503	0433	S09	E49	.764	11063	4.9	36	-N				1.13					3 3 3 5	
TEHR	01	0423	0515	0433	S08	E49	.762	11063	4.9	52	-N		C		.68					F	
CRON	01	0429	0450	0433	S10	E49	.766	11063	4.9	21	-N	1	C	0433	.54	.83					
CULG	01	0429	0446D	0433	S08	E48	.751	11063	4.8	17D	1N		P	0433	2.17	3.15					
GRP35244	01	0437	0457	0441	N23	E39	.692	11060	4.1	20	--N				.47					2 2 2 5	
CRON	01	0437	0452	0440	N22	E38	.676	11060	4.0	15	-N	1	C	0440	.65	.88					
TEHR	01	0437	0502	0442	N24	E39	.698	11060	4.1	25	-N		C		.28					FOE	
245 CRON	01	0454	0512	0456	S13	E63	.899	11066	5.9	18	--N	1	C	0456	.32					4	
GRP35246	01	0543	0609	0545	N09	W77	.974	11061	25.5	26	-N				.45					2 1 1 5	
TEHR	01	0543	0609	0545	N09	W77	.974	11061	25.5	26	-N		C		.45					F	
ABST	01	0547E	0602	0548	N10	W82	.990	11061	25.1	15D	1F		P	0548	2.34					47	
GRP35250	01	0826	0836	0828	N23	E37	.671	11060	4.1	10	--N				.58					4 4 4 8	
ABST	01	0810	0834D	0828	N24	E36	.667	11060	4.0	24D	-N		P	0828	1.26	1.70				63	
CATA	01	0825	0830	0825	N21	E36	.649	11060	4.1	5	-B			0825	.14	.19				202	
ARCE	01	0825	0835D	0828	N22	E37	.666	11060	4.1	10D	-F		C	0828	.63	.80					
TEHR	01	0827	0845	0832	N23	E37	.671	11060	4.1	18	-N		C		.28					DE	
252 HTPR	01	1428	1500	1442	S08	E43	.692	11063	4.8	32	--F		C	1442	.62	.90				E	
	01	1533	1535		NO FLARE PATROL																
	01	1718	1719		NO FLARE PATROL																
	01	1720	1730		NO FLARE PATROL																
254 BOUL	01	1739	1754	1740	S13	E75	.969	11066	7.4	15	-N	1	V							2	
256 PALE	01	2028E	2059	2037U	N13	E86	.997	11068	8.3	31D	--F		C		.19					F	
257 PALE	01	2118E	2144	2127U	S14	W18	.395	11053	30.5	26D	--F		C		.36					F	
GRP35258	01	2132	2141	2132	N01	E79	.982	11068	7.8	9	--F				.19					2 2 1 2	
PALE	01	2131	2141	2131	N04	E78	.978	11068	7.7	10	-F		C		.19						
BOUL	01	2133	2141	2133	S02	E80	.985	11068	7.9	8	-F	2	V								
	01	2253	2302		NO FLARE PATROL																
259 PALE	01	2342E	2352D	2342U	N25	E27	.581	11060	4.0	10D	--F		C		.19					2	
	01	2359	0000		NO FLARE PATROL																
260 TEHR	02	0520E	0535	0523U	S18	E33	.609	11063	4.7	15D	--F		C		.28					DE	
GRP35262	02	0538	0608	0542	S13	W25	.475	11053	30.4	30	-N				2.02					3 3 3 5	
TEHR	02	0537	0615	0541	S14	W24	.469	11053	30.4	38	-N		C		1.19					FS	
CRON	02	0539	0600	0543	S13	W22	.435	11053	30.6	21	-N	1	C	0543	.43	.48					
CULG	02	0544E	0555D		S12	W30	.536	11053	30.0	11D	1N		P	0544	4.43	5.19					
GRP35263	02	0541	0603	0544	S09	W44	.706	11053	28.9	22	--F				.39					2 2 2 5	
CRON	02	0540	0555	0542U	S07	W43	.690	11053	29.0	15	-F	1	C	0542	.22	.30					
TEHR	02	0541	0610	0545	S10	W45	.720	11053	28.9	29	-N		C		.55					FS	
GRP35264	02	0747	0802	0754	S08	E33	.560	11063	4.8	15	--F				.34					2 2 2 5	
TEHR	02	0744	0803	0754U	S07	E33	.557	11063	4.8	19	-F		C		.45					DE	
CRON	02	0750	0800	0753	S08	E32	.546	11063	4.7	10	-N	1	C	0753	.22	.26					
GRP35265	02	1419	1439	1423	S17	E28	.542	11063	4.7	20	-N				1.11					4 4 4 5	
MCHA	02	1419	1430	1422	S16	E27	.522	11063	4.6	11	-F		C	1422	.83	.90					
HTPR	02	1419	1430	1423	S17	E27	.530	11063	4.6	11	-N		C	1423	1.44	1.70					
CANR	02	1420	1445	1423	S18	E26	.526	11063	4.5	25	-N	2	C	1423	.65	.76					
CAPS	02	1422E	1451D		S18	E30	.573	11063	4.8	29D	-N	2	S	1425	1.50	2.00				164	
35265	02	1433	1446	1436	S17	E27	.530	11063	4.6	13	*-N				.41					4 4 4 6	
HUAN	02	1431	1437D	1436	S18	E28	.550	11063	4.7	6D	-N	2	P	1436	.43	.52				E	
HTPR	02	1433	1444	1436	S17	E27	.530	11063	4.6	11	-F		C	1436	.41	.50					
MCHA	02	1434	1443	1436	S18	E27	.538	11063	4.6	9	-N		C	1436	.26	.26				D	
RAMY	02	1434E	1452D	1434E	S13	E24	.462	11063	4.4	18D	-N		V		.52					DE	
GRP35268	02	1447	1529	1459	N26	E02	.427	11060	2.8	42	--F				.68					4 4 4 5	
HTPR	02	1445	1529	1459	N27	E02	.443	11060	2.8	44	-F		C	1459	.93	1.00					
HUAN	02	1446	1457D	1453	N27	E03	.444	11060	2.8	11D	-N	2	P	1453	.21	.23				E	
CANR	02	1449	1529	1502	N26	E02	.427	11060	2.8	40	-N	3	C	1502	.75	.84					
RAMY	02	1452E	1517D	1501U	N24	E02	.396	11060	2.8	25D	-F		C		.83					F	

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
GRP35269	1970 DEC 02	1559	1730	1611	S09	E28	.493	11063	4.8	91	1B							3 3 3 3
MCMA	02	1558	1730D	1608	S09	E28	.493	11063	4.8	92D	1B	C	1608	3.52				FLU
CANR	02	1559	1718D	1615U	S10	E29	.512	11063	4.8	79D	1B	2 C	1615	2.32	2.70			
CANR	02	1559	1718D	1603	S10	E29	.512	11063	4.8	79D	-B	2 C	1603	4.73	5.50			U
RAMY	02	1601E	1647D	1611U	S09	E28	.493	11063	4.8	46D	1N	C		1.51	1.80			
271 PALE	02	1920	1941	1926	N23	E08	.399	11060	3.4	21	--F	C		.19				3
272 PALE	02	2137	2200	2148	S09	W52	.796	11053	29.0	23	-N	C		.81				2
273 PALE	02	2146	2201	2147	N21	E09	.375	11060	3.6	15	--F	C		.19				2
274 CRON	03	0000E	0008	0001	N19	E09	.348	11060	3.7	8D	--N	2 C	0001	.43	.46			3
GRP35275	03	0203	0227	0208	S14	E42	.696	11066	6.2	24	-N			.77				3 3 3 5
PALE	03	0202	0223	0208	S18	E41	.700	11066	6.2	21	-N	C		.72				F
CRON	03	0204	0231	0207	S13	E42	.692	11066	6.2	27	-N	2 C	0207	.86	1.19			
MITK	03	0212E	0213D		S12	E42	.689	11066	6.2	1D	-N	P	0213	.72	1.00			D
GRP35277	03	0228	0243	0233	S10	E50	.776	11066	6.9	15	--N			.52				2 2 2 5
CRON	03	0228	0244	0232	S10	E50	.776	11066	6.9	16	-N	2 C	0231	.32	.51			D
MITK	03	0232E	0242	0233	S10	E50	.776	11066	6.9	10D	-N	C	0233	.72	1.10			
GRP35278	03	0326	0344	0332	S09	E48	.752	11066	6.7	18	-N			1.11				3 3 3 5
CULG	03	0322	0347	0331	S10	E47	.743	11066	6.7	25	1N	C	0331	2.17	3.15			R
CRON	03	0329	0341	0332	S11	E49	.767	11066	6.8	12	-N	2 C	0330	.32	.51			E
MITK	03	0331E	0334D		S07	E49	.760	11066	6.8	3D	-N	P	0334	.83	11.30			
GRP35279	03	0432	0449	0434	N16	W07	.290	11060	2.7	17	--N			.48				3 3 3 5
TEHR	03	0431	0449	0435U	N16	W07	.290	11060	2.7	18	-N	C		.36				DE
CRON	03	0432	0447	0433	N15	W07	.274	11060	2.7	15	-N	2 C	0433	.32	.32			
MANI	03	0435E	0450		N18	W08	.326	11060	2.6	15D	-N	2 C	0436	.77	.82			
GRP35280	03	0731	0803	0740	S16	E16	.390	11063	4.5	32	--F			.98				4 3 3 5
TEHR	03	0730	0804	0741	S16	E16	.390	11063	4.5	34	-F	C		.36				DE
CRON	03	0731	0801	0733	S16	E16	.390	11063	4.5	30	-F	2 C	0733	.32	.35			
MONT	03	0735E	0803	0746	S15	E15	.368	11063	4.4	28D	-N	C	0746	2.27				
MANI	03	0750E	0807		S16	E17	.401	11063	4.6	17D	-N	2 C	0755	.72	.78			
GRP35283	03	1049	1121	1057	S17	E16	.401	11063	4.7	32	--N			.79				4 4 4 6
HTPR	03	1047	1130	1058	S17	E15	.391	11063	4.6	43	-F	C	1058	.52	.60			
TEHR	03	1048	1127	1054	S17	E17	.412	11063	4.7	39	-N	C		.45				DE
MONT	03	1050	1111	1056	S16	E15	.379	11063	4.6	21	-N	C	1056	1.55				
CANR	03	1051	1115	1059	S17	E16	.401	11063	4.7	24	-N	2 C	1059	.65	.70			
GRP35286	03	1555	1607	1558	S09	E15	.305	11063	4.8	12	--F			.32				2 2 1 2
CANR	03	1552	1606	1555	S08	E15	.297	11063	4.8	14	-N	1 C	1555	.32	.32			
BOUL	03	1558	1608	1600	S09	E14	.292	11063	4.7	10	-F	1 V						
288 BOUL	03	1923	1935	1925	S07	E27	.470	11066	5.8	12	--F	2 V						2
GRP35289	03	2012	2143	2022	S07	E37	.611	11066	6.6	91	--N			.47				3 2 2 3
PALE	03	2012	2044	2022	S09	E39	.643	11066	6.8	32	-N	C		.63				FH
BOUL	03	2018	2143	2126U	S10	E39	.646	11066	6.8	85	-F	1 C	2126	.21	.28			
RAMY	03	2019E	2029D	2021U	S05	E35	.579	11066	6.5	10D	-N	V		.31				DE
GRP35290	03	2106	2202	2112	S16	E08	.316	11063	4.5	56	-N			1.40				3 1 1 3
BOUL	03	2106	2202	2112U	S16	E08	.316	11063	4.5	56	-N	1 C	2112	1.40	1.44			FDE
PALE	03	2115	2204	2129	S14	E08	.287	11063	4.5	49	1N	C		2.26				
CRON	03	2139E	2204		S12	E08	.258	11063	4.5	25D	1F	V		2.60				
292 MANI	03	2328	2356	2338	S19	W03	.340	11063	3.8	28	-N	2 C	2338	.93	.95			4
GRP35294	04	0154	0215	0200	S09	E35	.590	11066	6.7	21	-N			1.19				4 4 4 7
PALE	04	0152	0211	0200	S08	E36	.600	11066	6.8	19	-N	C		.99				FH
CULG	04	0152	0234	0201	S08	E33	.559	11066	6.6	42	1N	C	0201	2.78	3.24			K
CULG	04	0152	0234	0208	S10	E31	.539	11066	6.4	42	1N	C	0208	1.86	2.07			
CRON	04	0155	0208	0159	S11	E36	.610	11066	6.8	13	-N	2 C	0158	.43	.54			79 EJ
VORO	04	0156	0205	0158	S09	E37	.617	11066	6.9	9	-B	C	0158	.56	.80			
GRP35299	04	0954	1014	0957	N21	E90	1.000	11073	11.2	20	2N			2.18				6 6 4 9
KODA	04	0938	1146D	0958	N23	E90	1.000	11073	11.2	128D	3B	C	0958			15.50		AKIRXY
MONT	04	0953	1009	0957	N21	E90	1.000	11073	11.2	16	1B	C	0957	4.54				H
TEHR	04	0953	1036D	0955	N21	E90	1.000	11073	11.2	43D	-N	V		.45				F
HTPR	04	0954	1001	0958	N20	E90	1.000	11073	11.2	7	2N	C	0958	1.86				
CATA	04	0955	1010	0957	N18	E90	1.000	11073	11.2	15	1N	C	0957	1.86				191 A
CAPS	04	0955E	1150D		N21	E90	1.000	11073	11.2	115D	3N	3 P						F

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.												
1970 DEC																		
GRP35301	04	1250	1301	1252	N20	W11	.379	11060	3.7	11	-N		.96				5 5 4 5	
CANR	04	1246	1300		N20	W12	.387	11060	3.6	14	-N	3	.60	.60				
MONT	04	1249	1259	1251	N20	W10	.371	11060	3.8	10	-N		1.13					
HTPR	04	1250	1305	1253	N20	W10	.371	11060	3.8	15	-N		.93	1.00				
HURB	04	1251E	1300D	1252	N20	W12	.387	11060	3.6	9D	1F				1.97			
CATA	04	1252	1300	1252	N20	W10	.371	11060	3.8	8	-N		1.16	1.26		191		
GRP35303	04	1424	1441	1430	N18	E87	.999	11073	11.1	17	-N		.64				4 4 3 5	
CANR	04	1423	1437	1428	N17	E82	.991	11073	10.7	14	-N	2	1428	.75				
RAMY	04	1423	1446	1429	N19	E87	.999	11073	11.1	23	1B						DE	
HTPR	04	1425	1440	1428	N18	E90	1.000	11073	11.4	15	-N		1428	.93			A	
HUAN	04	1425	1442	1433	N19	E90	1.000	11073	11.4	17	-N	1	1433	.25			D	
GRP35305	04	1533	1556	1536	S16	W03	.289	11063	4.4	23	--N		.61				4 4 4 4	
HUAN	04	1533	1552D	1538	S16	W02	.286	11063	4.5	19D	-N	2	1538	.38	.40		E	
RAMY	04	1533	1553	1536	S15	W03	.272	11063	4.4	20	-N			.88			DE	
BOUL	04	1533	1602	1535	S16	W03	.289	11063	4.4	29	-F	1	1535	.32	.32			
CANR	04	1534	1553	1535	S16	W03	.289	11063	4.4	19	-N	2	1535	.86	.86			
GRP35309	04	1814	1831	1817	N17	W29	.544	11060	2.6	17	--F		.21				2 2 1 4	
BOUL	04	1810	1840	1815	N15	W28	.518	11060	2.7	30	-F	2						
HUAN	04	1817	1821	1819	N18	W30	.563	11060	2.5	4	-N	2	1819	.21	.25		D	
GRP35312	04	1929	1944	1935	N14	W25	.472	11060	2.9	15	--F		.17				2 2 2 4	
BOUL	04	1928	1948	1937	N14	W29	.525	11060	2.6	20	-F	1	1937	.21	.25			
HUAN	04	1929	1940	1933	N14	W20	.406	11060	3.3	11	-N	2	1933	.12	.15		D	
	04	2205	2216	NO FLARE PATROL														
313 MITK	04	2327	2355	2339	S19	W09	.365	11063	4.3	28	-N		2339	1.44	1.50		E	3
GRP35315	05	0135	0200	0145	N16	E80	.986	11073	11.1	25	1N		1.42				5 5 5 7	
KODA	05	0130	0157		N19	E83	.993	11073	11.3	27	1N		0145	2.95	2.90		D	
CRON	05	0135	0153	0144	N16	E78	.979	11073	10.9	18	-N	1	0144	.54				
MITK	05	0139	0210	0146	N18	E82	.991	11073	11.2	31	1N		0146	1.44			H	
PALE	05	0144E	0156	0144U	N17	E78	.980	11073	10.9	12D	-B			.63			H	
MANI	05	0145E	0202		N10	E80	.985	11073	11.1	17D	1N	2	0150	1.55	3.97			
GRP35316	05	0155	0211	0204	N15	W32	.571	11060	2.7	16	--F		.33				2 2 2 6	
CRON	05	0154	0210		N15	W32	.571	11060	2.7	16	-N		.30					
PALE	05	0156	0211	0204U	N14	W32	.566	11060	2.7	15	-F		.36				F	
4 STATIONS REPORTING GROUP 35317. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35317	05	0515	0534	0517	S10	E20	.382	11066	6.7	19	--N		.48				3 3 3 4	
CRON	05	0512	0526	0515	S11	E20	.389	11066	6.7	14	-N	1	0515	.43	.46			
TEHR	05	0516	0541D	0519U	S09	E19	.360	11066	6.6	25D	-N		.28				F	
MITK	05	0516	0520D	0517	S11	E20	.389	11066	6.7	4D	-N		.72	.80			E	
317 MANI	05	0513E	0520		S11	E05	.215	11066	5.6	7D	*-N	2	0516	.31	.32		4	
GRP35318	05	0513	0541	0521	S16	W10	.328	11063	4.5	28	--N		.86				3 3 3 4	
MITK	05	0507	0520D	0512	S17	W11	.350	11063	4.4	13D	-N		.93	1.00			E	
MANI	05	0515	0541		S15	W08	.298	11063	4.6	26	-N	2	0517	.83	.86			
TEHR	05	0516	0541D	0521U	S15	W11	.323	11063	4.4	25D	-N		.83				FDE	
3 STATIONS REPORTING GROUP 35319. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35319	05	0632	0704	0635	S10	E20	.382	11066	6.8	32	--N		.48				2 2 2 4	
CRON	05	0631	0647	0635	S10	E20	.382	11066	6.8	16	-N	1	0635	.32	.35			
TEHR	05	0633	0721	0635	S10	E20	.382	11066	6.8	48	-N		.64				HF	
319 MANI	05	0635E	0655		S11	E05	.215	11066	5.6	20D	*-N	2	0638	.93	.95		4	
GRP35324	05	0855	0912	0900	N14	W36	.617	11060	2.7	17	--F		.62				3 3 3 7	
TEHR	05	0853	0915	0857	N16	W36	.626	11060	2.7	22	-N		.55				FDE	
BUCA	05	0855E	0911D		N14	W36	.617	11060	2.7	16D	-F		0855	1.10	1.40			
CRON	05	0856	0910	0902U	N13	W36	.613	11060	2.7	14	-F	1	0902	.22	.27			
GRP35326	05	0949	1015	0958	S10	E16	.326	11066	6.6	26	--N		.42				4 3 3 10	
TEHR	05	0945	1017	1000	S10	E17	.340	11066	6.7	32	-N		.36				F	
CRON	05	0952	1008	0958U	S10	E17	.340	11066	6.7	16	-F	1	0958	.22	.23			
CATA	05	0955E	1005D	0955	S10	E17	.340	11066	6.7	10D	-N		0955	.69	.74		155	
CANR	05	1008	1020		S11	E13	.296	11066	6.4	12	-N	2		.50	.60			
GRP35330	05	1122	1147	1129	S10	E17	.340	11066	6.7	25	--N		.53				4 4 4 5	
HTPR	05	1118	1145	1128	S10	E17	.340	11066	6.7	27	-N		.93	1.00			U	
TEHR	05	1121	1152	1126	S10	E17	.340	11066	6.7	31	-N		.36				F	
HUAN	05	1126	1144	1131	S11	E17	.348	11066	6.8	18	-N	2	1131	.43	.46		E	
RAMY	05	1129E	1146	1132	S10	E17	.340	11066	6.8	17D	-F		.41				DE	

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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 <sub>0</sub>	MAX. INT. %	
1970 DEC																			
GRP35334	05	1208	1245	1213	N21	W20	.475	11060	4.0	37	--N				.72				5 5 5 6
HUAN	05	1201	12120	12120	N22	W20	.486	11060	4.0	110	-N	2	P	1212	.61	.70			E
RAMY	05	1205	12200	1210	N22	W19	.476	11060	4.1	150	-F		C		.72				DE
CANR	05	1210	1244	1212	N21	W19	.465	11060	4.1	34	-N	2	C	1212	.54	.61			DE
TEHR	05	1214	1246	1218	N21	W20	.475	11060	4.0	32	-N		V		.73				DE
CATA	05	1215E	12200	1215	N21	W20	.475	11060	4.0	50	-N			1215	.98	1.12		170	
GRP35336	05	1236	1305	1247	S16	W14	.366	11063	4.5	29	--N				.54				4 4 4 7
TEHR	05	1236	12460	1241	S15	W13	.343	11063	4.6	100	-N		V		.45				FDE
RAMY	05	1242E	1305	1250	S16	W14	.366	11063	4.5	230	-F		C		.93				DE
HUAN	05	1243E	12540	1245	S15	W14	.354	11063	4.5	110	-N	1	P	1245	.33	.35			E
HUAN	05	1243E	12540	1252	S20	W12	.399	11063	4.6	110	-N	1	P	1252	.15	.17			D
CATA	05	1250E	12550	1250	S14	W14	.342	11063	4.5	50	-N			1250	.46	.49		168	
GRP35338	05	1320	1336	1321	S10	E16	.326	11066	6.8	16	--N				.57				6 6 6 6
RAMY	05	1320	13320	1322	S09	E15	.303	11066	6.7	120	-F		C		.83				DE
CATA	05	1320	1345	1320	S10	E15	.312	11066	6.7	25	-N			1320	.63	.67		166	
HUAN	05	1320	1339	1321	S10	E16	.326	11066	6.8	19	-N	2	C	1321	.30	.32			E
CANR	05	1320	1330	1322	S10	E15	.312	11066	6.7	10	-N	2	C	1322	.54	.57			
ZURI	05	1321	13230	1322	S11	E17	.348	11066	6.8	20	-N		P	1322	.63	.70			
CAPS	05	1321E	1333		S10	E15	.312	11066	6.7	120	-N	3	V	1321	.50	.50		150	
343 HUAN	05	1726E	1742	1730	S18	W13	.381	11063	4.8	160	--F	1	P	1730	.25	.27			D 2
344 HUAN	05	1726E	18000	1730	N15	W18	.391	11060	4.4	340	--N	2	P	1730	.76	.83			E 2
GRP35346	05	1850	2012	1854	N21	E82	.991	11073	11.9	82	--F				.36				2 2 1 4
PALE	05	1848	20120	1853U	N22	E82	.991	11073	11.9	840	-F		C		.36				H
RAMY	05	1851	19140	1855	N23	E82	.991	11073	11.9	230	-N		C						DE
RAMY	05	1906E	19140		N16	E80	.986	11073	11.8	80	-F		C						DE
GRP35347	05	1929	1951	1935	N14	W43	.703	11060	2.6	22	--N				.37				3 3 3 4
PALE	05	1926	1955	1935	N14	W43	.703	11060	2.6	29	-N		C		.45				F
MOMA	05	1931	1947	1933	N13	W44	.712	11060	2.5	16	-F		C	1933	.31	.40			E
HUAN	05	1935E	19400	1937U	N14	W43	.703	11060	2.6	50	-N	1	P	1937	.35	.50			E
GRP35348	05	2004	2025	2009	S18	W16	.410	11063	4.6	21	--F				.53				3 3 3 3
PALE	05	2000	2029	2009	S18	W17	.420	11063	4.6	29	-N		C		.55				F
MOMA	05	2006E	20150		S19	W15	.412	11063	4.7	90	-F		P	2011	.62	.70			E
BOUL	05	2006	2020	2008	S18	W16	.410	11063	4.6	14	-F	1	C	2008	.43	.47			
GRP35349	05	2115	2139	2120	S16	W20	.433	11063	4.4	24	--N				.61				4 4 4 4
PALE	05	2114	2139	2118	S16	W20	.433	11063	4.4	25	-N		C		.55				F
BOUL	05	2115U	2139	2118U	S15	W21	.436	11063	4.3	240	-F	1	C	2118	.21	.24			
HUAN	05	2115	2140	2121	S15	W19	.411	11063	4.5	25	-N	2	C	2121	.76	.84			E
RAMY	05	2116E	21350	2122U	S19	W19	.453	11063	4.5	190	-N		V		.93				DE
GRP35350	05	2144	2202	2150	S16	W19	.421	11063	4.5	18	-N				1.25				5 5 4 5
PALE	05	2143	2159	2147	S14	W19	.402	11063	4.5	16	-N		C		.99				F
HUAN	05	2144	2202	2148	S15	W19	.411	11063	4.5	18	1N	2	C	2148	2.23	2.44			E
BOUL	05	2145	2157	2149	S15	W19	.411	11063	4.5	12	-N	1	C	2149	.97	1.06			
CRON	05	2145	2202		S18	W18	.431	11063	4.6	17	-N		V		.80				
LOCK	05	2155E	2210	2155E	S16	W20	.433	11063	4.4	150	-F		C						
6 STATIONS REPORTING GROUP 35352. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP35352	05	2259	0034	2325	N16	W45	.732	11060	2.6	95	1N				2.21				4 4 3 4
CRON	05	2257	0050	2322	N15	W46	.740	11060	2.5	113	1N	2	C	2321	2.15	3.20			
PALE	05	2259	2359D	2324	N14	W46	.737	11060	2.5	600	1N		C		2.62				DE
LOCK	05	2300	0000D	2330	N15	W47	.751	11060	2.4	600	1F		C						
MANI	05	2327	0018		N18	W40	.683	11060	3.0	51	1N	2		2335	1.86	2.50			
35352	05	2352	0026	(2354)	N15	W46	.740	11060	2.5	34	*1B				2.53				2 2 2 5
MITK	05	2352E	0030		N16	W45	.732	11060	2.6	380	1N		C	2352	3.20	5.00			BE
VORO	05	2355E	0022		N13	W46	.735	11060	2.5	270	1B		C	2355	1.85	2.60		83	EJ
GRP35353	05	2333	2352	2335	S17	W18	.420	11063	4.6	19	--N				.66				4 4 3 4
LOCK	05	2315	2350	2332	S16	W17	.398	11063	4.7	35	-N		C						K
LOCK	05	2315	2350	2320	S16	W17	.398	11063	4.7	35	-F		C						K
CRON	05	2330	2351	2333	S18	W18	.431	11063	4.6	21	-N	2	C	2332	.54	.59			
PALE	05	2331	2348	2336	S18	W18	.431	11063	4.6	17	-N		C		.72				F
MANI	05	2338	2357		S14	W18	.389	11063	4.6	19	-N	2		2340	.72	.78			
GRP35355	06	0124	0143	0129	N22	W28	.572	11060	4.0	19	-N				1.06				5 5 5 6
PALE	06	0121	0151	0131	N22	W28	.572	11060	4.0	30	-N		C		1.54				F
VORO	06	0122	0138	0129	N20	W28	.556	11060	4.0	16	-B		C	0129	1.02	1.20		77	E
CRON	06	0123	0148	0128	N22	W26	.550	11060	4.1	25	-N	2	C	0127	1.08	1.30			
MITK	06	0123	0142	0127	N22	W26	.550	11060	4.1	19	-N		C	0127	.93	1.30			E
MANI	06	0129	0134		N22	W30	.594	11060	3.8	5	-N	2		0130	.72	.92			

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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 $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.													
1970 DEC																			
GRP35356	06	0612	0619	0614	N16	E70	.944	11073	11.5	7	-N					3 3 3 4			
CRON	06	0611	0618	0613	N17	E69	.939	11073	11.4	7	-N	2	C	0613	.68				
TACH	06	0612	0618	0614	N20	E73	.961	11073	11.7	6	1F		C	0614	1.19			D	
MANI	06	0612E	0620		N12	E68	.930	11073	11.4	80	-N	2		0615	.52	1.57	2.14	57	
357 CRON	06	0628	0635	0631	N10	E78	.979	11073	12.1	7	--N	2	C	0630	.32				3
GRP35358	06	0715	0740	0717	N16	W51	.795	11060	2.5	25	--F				.23				3 2 2 6
CRON	06	0714	0759	0719	N16	W51	.795	11060	2.5	45	-F	1	C	0718	.32	.54			
CATA	06	0715	0720	0715	N16	W51	.795	11060	2.5	5	-N			0715	.14	.24			193
MANI	06	0727E	0747		N18	W52	.810	11060	2.4	200	-N	2		0729	1.29	2.11			
GRP35361	06	0928	0944	0931	N21	W31	.597	11060	4.1	16	--N				.53				5 5 5 10
HTPR	06	0925	0955	0931	N22	W32	.616	11060	4.0	30	-F		C	0931	.21	.30			D
CANR	06	0927	0940	0932	N21	W32	.609	11060	4.0	13	-N	2	C	0932	.54	.68			
MONT	06	0928	0944	0931	N21	W31	.597	11060	4.1	16	-N		C	0931	.77				
ARCE	06	0930E	0939		N22	W30	.594	11060	4.1	90	-F		P	0933	.57	.70			
CATA	06	0930	0940	0930	N21	W32	.609	11060	4.0	10	-N			0930	.58	.72			174
GRP35362	06	0934	0949	0938	N15	W52	.803	11060	2.5	15	-N				.65				7 7 6 10
ONDR	06	0932	0949		N15	W52	.803	11060	2.5	17	1F		V	0937			1.80		C
HTPR	06	0934	1000	0939	N15	W52	.803	11060	2.5	26	-F		C	0939	.41	.70			U
CRON	06	0934	0946	0936	N15	W51	.793	11060	2.6	12	-N	2	C	0936	.22	.36			
ARCE	06	0934	0945D	0935	N18	W56	.846	11060	2.2	110	-N		C	0935	.63	1.10			E
MONT	06	0934	0951	0939	N16	W52	.805	11060	2.5	17	-N		C	0939	1.55				
CANR	06	0935	0950	0941	N14	W51	.791	11060	2.6	15	-N	2	C	0941	.43	.70			
CATA	06	0935	0945	0935	N15	W52	.803	11060	2.5	10	-N			0935	.63	1.09			155
GRP35364	06	1225	1246	1230	S18	W25	.509	11063	4.6	21	--N				.59				5 5 5 7
HTPR	06	1210	1345	1233	S18	W26	.521	11063	4.6	95	-F		C	1233	.52	.60			KU
RAMY	06	1223	1250	1228	S18	W25	.509	11063	4.6	27	-N		C		.62				DE
TEHR	06	1225E	1229D	1227	S17	W26	.513	11063	4.6	40	-N		C		.28				DE
CANR	06	1226	1247	1229	S18	W25	.509	11063	4.6	21	-N	2	C	1229	.75	.88			
ZURI	06	1232E	1240	1232	S17	W24	.489	11063	4.7	80	-N		P	1232	.79	.90			
372 RAMY	06	1552	1601	1553	N18	E72	.955	11073	12.1	9	--F		C		.72				DE 3
GRP35373	06	1614	1621	1617	N13	E76	.972	11073	12.4	7	--N				.21				2 2 2 4
HUAN	06	1614	1621	1617	N13	E76	.972	11073	12.4	7	-N	1	C	1617	.21				D
RAMY	06	1614	1620	1617	N13	E76	.972	11073	12.4	6	-N		C		.21				DE
GRP35374	06	1635	1705	1639	N17	W31	.571	11060	4.4	30	--F				.84				4 3 2 4
RAMY	06	1634	1715	1639	N18	W32	.589	11060	4.3	41	-F		C		1.03				DE
LOCK	06	1635	1655	1639	N16	W31	.565	11060	4.4	20	-F		C						
CANR	06	1639E	1651D	1640U	N16	W30	.552	11060	4.4	12D	-N	1	C	1640	.65	.78			
HUAN	06	1656E	1703D	1702	N16	W32	.577	11060	4.3	70	-N	2	P	1702	.71	.87			E
GRP35376	06	1659	1708	1702	N13	E76	.972	11073	12.4	9	-N				.38				2 2 2 4
HUAN	06	1659	1703D	1703U	N14	E76	.972	11073	12.4	40	-N	1	P	1703	.35				D
RAMY	06	1659	1708	1701	N12	E75	.967	11073	12.3	9	-N		C		.41				DE
GRP35377	06	1735	1741	1737	N14	E77	.976	11073	12.5	6	-N				.52				2 2 1 3
BOUL	06	1735	1740	1737	N15	E78	.979	11073	12.6	5	-N	1	V						
RAMY	06	1735	1741	1737	N12	E75	.967	11073	12.4	6	-N		C		.52				DE
4 STATIONS REPORTING GROUP 35378.															0 STATIONS OBSERVING AND NOT REPORTING.				
GRP35378	06	1752	1817	1755	N24	E69	.944	11073	11.9	25	1F				.90				3 3 3 4
RAMY	06	1751	1819D	1754	N25	E70	.950	11073	12.0	28D	1F		C		1.34				DE
PALE	06	1751	1803	1758U	N22	E67	.931	11073	11.8	12	-F		C		.63				FH
MOMA	06	1753	1830D	1754	N24	E70	.949	11073	12.0	37D	1F		C	1754	.72	2.10			EFK
35378	06	1807	1841	1813	N21	E69	.942	11073	11.9	34	*-N				.30				2 2 2 4
PALE	06	1807	1841	1811U	N21	E68	.936	11073	11.9	34	-N		C		.27				F
BOUL	06	1813E	1835U	1814U	N20	E69	.941	11073	11.9	22D	-N	1	C	1814	.32				
35378	06	1756	1819	1800	N16	E70	.944	11073	12.0	23	*-F				.93				2 1 1 4
RAMY	06	1756	1819D	1800	N16	E70	.944	11073	12.0	23D	-F		C		.93				DE
BOUL	06	1813E	1822	1813E	N14	E66	.918	11073	11.7	9D	-N	1	C	1813	.11				
380 PALE	06	2242	2259	2247	S11	E51	.787	11070	10.8	17	--F		C		.59				F 3
GRP35381	06	2336	0000	2344	S07	W18	.332	11066	5.6	24	--F				.36				2 2 1 5
PALE	06	2334	2359D	2342	S07	W17	.317	11066	5.7	25D	-N		C		.36				F
LOCK	06	2337	0000D	2345	S07	W19	.347	11066	5.6	23D	-F		C						
383 PALE	07	0159	0201	0200	N14	E90	1.000	11077	13.8	2	-B		C						4

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	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 $\alpha$		MAX. INT. %
					LAT.	MER. DIST.												
1970 DEC																		
GRP35384	07	0230	0239	0234	S13	W20	.403	11066	5.6	9	--F						2 2 2 4	
PALE	07	0230	0237D	0235	S13	W20	.403	11066	5.6	7D	-N						DE	
CRON	07	0230	0239	0233	S13	W20	.403	11066	5.6	9	-F	1	C	0233	.22	.23		
385 PALE	07	0305	0315D	0309	S13	W21	.417	11066	5.6	10D	--N						DE	3
GRP35389	07	0845	0936	0903	S07	W24	.422	11066	5.6	51	-N				1.24			4 3 3 10
CATA	07	0830E	0915D	0830	S08	W23	.412	11066	5.6	45D	-N			0830	1.04	1.14		162
ABST	07	0845E	0914D	0859	S07	W24	.422	11066	5.6	29D	-F			0859	1.53	1.70		CEJ
TACH	07	0857E	0936	0906	S07	W25	.437	11066	5.5	39D	-N			0906	1.09	1.21		2.13 48
CAPS	07	0906E	0930D		S08	W22	.397	11066	5.7	24D	-N	1	V	0907	1.10	1.20		160
GRP35391	07	1142	1205	1149	S10	E43	.694	11070	10.7	23	--N				.46			2 2 2 5
RAMY	07	1142	1151D	1147	S09	E43	.692	11070	10.7	9D	-N				.62			DE
CATA	07	1150E	1205	1150	S10	E42	.682	11070	10.6	15D	-N			1150	.29	.38		195
394 MCMA	07	1412	1419	1414	N15	E90	1.000	11077	14.3	7	-N			1414				3
GRP35395	07	1522	1545	1525	N20	E56	.850	11073	11.8	23	--F				.32			3 3 2 3
CANR	07	1516	1535	1522	N15	E56	.841	11073	11.8	19	-N	1	C	1522	.32	.59		
MCMA	07	1522	1536	1524	N18	E58	.863	11073	12.0	14	-F			1524	.31	.60		EL
BOUL	07	1528	1555	1529	N25	E55	.854	11073	11.8	27	1F	1	V					
CANR	07	1529	1545	1532	N20	E56	.850	11073	11.8	16	-N	1	C	1532	.32	.61		
GRP35396	07	1555	1608	1559	N13	E84	.995	11077	14.0	13	--F				.16			4 4 2 4
CANR	07	1555	1611	1557	N13	E82	.991	11077	13.8	16	-N	2	C	1557	.11			
BOUL	07	1555	1608	1559	N12	E82	.991	11077	13.8	13	-N	1	C	1559	.21			
LOCK	07	1555	1607	1600	N11	E82	.991	11077	13.8	12	-F							
MCMA	07	1556	1605	1600	N15	E90	1.000	11077	14.4	9	-F			1600				D
GRP35397	07	1938	2000	1943	S10	E35	.592	11070	10.4	22	--F							2 2 0 4
LOCK	07	1935	2010	1944	S10	E35	.592	11070	10.4	35	-F							
BOUL	07	1941	1950	1942	S10	E35	.592	11070	10.4	9	-F	1	V					
GRP35398	07	1949	2002	1955	S10	E32	.551	11070	10.2	13	--F				.19			2 1 1 4
PALE	07	1949	2002	1955	S10	E32	.551	11070	10.2	13	-F				.19			
BOUL	07	1950	2002	1954	S11	E43	.697	11070	11.1	12	-F	1	V					
GRP35403	08	0012	0024	0014	N11	E89	1.000	11077	14.7	12	--N				.15			2 2 2 4
MANI	08	0010	0027	0013	N08	E90	1.000	11077	14.8	17	-N	2		0013	.10	.32		
CRON	08	0014	0021	0015	N14	E87	.999	11077	14.5	7	-N				.20			
GRP35405	08	0318	0348	0322	N13	E78	.979	11077	14.0	30	1B				1.01			4 3 3 6
CRON	08	0317	0340	0320	N12	E78	.979	11077	14.0	23	1N	1	C	0320	.86			
PALE	08	0318	0336D	0323U	N14	E78	.979	11077	14.0	18D	-B				.72			DE
MANI	08	0318	0355	0322	N12	E79	.982	11077	14.1	37	1B	2		0322	1.44	3.71		
KODA	08	0321	0347	0337	N14	E80	.986	11077	14.1	26	1B			0338	3.78	3.80	10.00	CDKRX
GRP35406	08	0426	0450	0428	N13	E80	.986	11077	14.2	24	1B				1.48			4 4 4 5
TEHR	08	0425	0452	0427	N14	E81	.988	11077	14.3	27	-B				.55			F
MANI	08	0425	0451	0428	N13	E80	.986	11077	14.2	26	1B	2		0428	1.24	3.18		
CRON	08	0426	0445	0427	N11	E78	.979	11077	14.0	19	1N	1	C	0427	.86			
KODA	08	0429	0453	0430	N14	E80	.986	11077	14.2	24	1B			0433	3.25	3.20	12.00	CDKRX
GRP35407	08	0622	0633	0623	S14	E29	.529	11070	10.4	11	--F				.33			2 2 2 4
CRON	08	0622	0632	0623	S14	E28	.516	11070	10.4	10	-F	1	C	0623	.43	.50		
TEHR	08	0622	0633	0623	S13	E29	.523	11070	10.4	11	-N				.23			F
GRP35408	08	0626	0649	0629	N14	E79	.983	11077	14.2	23	-N				1.16			4 3 3 4
CRON	08	0623	0650	0625	N12	E78	.979	11077	14.1	27	-N	1	C	0625	.32			
TEHR	08	0625	0644	0627	N15	E80	.986	11077	14.3	19	-N				.45			DE
KODA	08	0629	0652	0631	N14	E78	.979	11077	14.1	23	1B			0634	2.71	2.70	5.25	CDK
MANI	08	0642E	0649		N15	E80	.986	11077	14.3	7D	-N	2		0644	.72	1.85		
GRP35409	08	0709	0721	0713	N14	E79	.983	11077	14.2	12	--N				.35			2 2 2 5
TEHR	08	0709	0721	0712	N14	E78	.979	11077	14.1	12	-N				.28			FH
MANI	08	0709	0715D	0713	N13	E80	.986	11077	14.3	6D	-N	2		0713	.41	1.06		
GRP35410	08	0811	0828	0814	N12	E77	.975	11077	14.1	17	-N				.51			2 2 2 4
CRON	08	0811	0828	0814	N11	E76	.971	11077	14.0	17	-N	1	C	0813	.32			
CANR	08	0815E	0827		N13	E78	.979	11077	14.2	12D	-N	2	V		.70	2.00		
GRP35413	08	1144	1228	1200	N17	E44	.726	11073	11.8	44	-N				.98			3 3 3 5
TEHR	08	1144	1240	1156	N16	E43	.711	11073	11.7	56	-B				.59			FDE
CAPE	08	1144	1227	1200	N20	E46	.758	11073	11.9	43	-N			1200	1.38	2.00		H
CANR	08	1200E	1217	1205	N14	E42	.693	11073	11.7	17D	-N	2	C	1205	.97	1.35		







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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	MC MATH FLARE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
					LAT.	MER. DIST.												
	1970 DEC																	
467 PALE	09	2033	2051	2033	N13	E56	.839	11077	14.1	18	--F	C		.17				1
GRP35468	09	2145	2230	2204	N15	E26	.497	11073	11.9	45	1F			1.96				3 3 2 3
LOCK	09	2142	2230	2203	N14	E27	.503	11073	11.9	48	1F	C						K
LOCK	09	2142	2230	2147	N12	E24	.450	11073	11.7	48	-F	C						K
CRON	09	2148	2230		N16	E27	.517	11073	11.9	42	-N	V		1.20				
PALE	09	2150E	2205D	2205U	N16	E27	.517	11073	11.9	15D	1F	C		2.71				
4 STATIONS REPORTING GROUP 35469.				0 STATIONS OBSERVING AND NOT REPORTING.														
GRP35469	09	2354	0019	2358	N15	E27	.510	11073	12.0	25	-B			.84				4 4 4 4
MITK	09	2354	0021	2357	N15	E28	.523	11073	12.1	27	-B	C	2357	.93	1.10			E
CRON	09	2354	0011	2359	N13	E28	.510	11073	12.1	17	-N	2 C	2358	.43	.50			
VORO	09	2354	0010	2357	N16	E28	.530	11073	12.1	16	-B	C	2357	.74	.80		114	EJL
PALE	09	2355	0032	2359	N15	E25	.484	11073	11.9	37	-N	C		1.27				DE
469 CRON	09	2355	0021	0000	N13	E20	.403	11073	11.5	26	*-N	2 C	0000	.22	.24			4
GRP35471	10	0206	0225	0214	N15	E55	.833	11077	14.2	19	--N			.52				2 2 2 5
PALE	10	0206	0222	0214	N16	E54	.826	11077	14.1	16	-N	C		.72				DE
CRON	10	0206	0227	0213	N14	E55	.832	11077	14.2	21	-N	1 C	0213	.32	.58			
GRP35475	10	0417	0453	0420	N13	E22	.431	11073	11.8	36	--N			.80				2 2 2 3
CRON	10	0416	0450	0420	N13	E22	.431	11073	11.8	34	-N	1 C	0420	.86	.95			DE
TEHR	10	0417	0456	0419	N13	E21	.417	11073	11.8	39	-N	C		.73				
GRP35478	10	0803	0811	0804	S10	W02	.173	11070	10.2	8	--N			.34				2 2 2 6
CRON	10	0800	0815	0804	S10	E02	.173	11070	10.5	15	-N	1 C	0804	.32	.32			
MANI	10	0805	0807		S10	W05	.190	11070	10.0	2	-N	2 C	0806	.36	.36			
GRP35480	10	0849	0906	0853	N18	E27	.533	11073	12.4	17	--N			.25				3 3 3 7
HTPR	10	0845	0905	0853	N18	E27	.533	11073	12.4	20	-F	C	0853	.21	.20			D
MONT	10	0850	0907	0852	N19	E28	.553	11073	12.5	17	-N	C	0852	.21				
CRON	10	0852	0906	0855	N17	E26	.513	11073	12.3	14	-N	1 C	0855	.32	.38			
GRP35481	10	0925	0932	0927	N11	E52	.797	11077	14.3	7	--N			.83				5 5 3 8
HTPR	10	0921	0927	0923	N12	E52	.799	11077	14.3	6	-N	C	0923	.21	.30			D
CRON	10	0924	0936	0927	N10	E50	.775	11077	14.1	12	-N	1 C	0927	.22	.34			
MONT	10	0925	0929	0928	N11	E52	.797	11077	14.3	4	-N	C	0928	2.06				
HURB	10	0928E	0930D	0928	N12	E57	.847	11077	14.7	2D	-B					2.58		
WEND	10	0928	0940		N12	E49	.768	11077	14.1	12	-N							
GRP35482	10	1210	1238	1217	N20	E24	.515	11073	12.3	28	-N			1.33				5 5 5 5
HTPR	10	1204	1240	1212	N20	E24	.515	11073	12.3	36	-N	C	1212	.31	.40			D
MONT	10	1211	1233	1217	N19	E25	.518	11073	12.4	22	-N	C	1217	1.55				
CAPE	10	1215	1240	1221	N20	E24	.515	11073	12.3	25	-N	C	1221	1.12	1.30			
HUAN	10	1216E	1238D	1218	N21	E23	.514	11073	12.2	22D	-N	1 P	1218	.56	.64			E
WEND	10	1222E	1238		N19	E24	.506	11073	12.3	16D	1N	V		3.09				
4 STATIONS REPORTING GROUP 35483.				1 STATIONS OBSERVING AND NOT REPORTING.														
GRP35483	10	1304	1327	1311	N19	E22	.484	11073	12.2	23	1N			3.75				4 4 4 5
WEND	10	1255	1332		N17	E20	.441	11073	12.0	37	2N	V		11.34				
HTPR	10	1302	1325	1306	N20	E24	.515	11073	12.3	23	-F	C	1306	.31	.40			D
WEND	10	1302	1326		N19	E23	.495	11073	12.3	24	1N	V		3.09				
HUAN	10	1305	1328	1310	N20	E22	.493	11073	12.2	23	-N	2 C	1310	.35	.40			D
MONT	10	1306	1326	1312	N19	E25	.518	11073	12.4	20	-N	C	1312	.72				
MONT	10	1313	1327	1317	N15	E19	.410	11073	12.0	14	-N	C	1317	2.27				
35483	10	1244	1317	1256	N15	E18	.398	11073	11.9	33	*-N			1.83				3 3 3 5
HTPR	10	1244	1325	1252	N15	E18	.398	11073	11.9	41	-F	C	1252	1.34	1.40			L
MONT	10	1249E	1311	1255	N15	E19	.410	11073	12.0	22D	1N	C	1255	3.40				
HUAN	10	1301E	1314D	1302	N15	E17	.386	11073	11.8	13D	-N	1 P	1302	.76	.82			E
GRP35485	10	1429	1510	1433	N16	E17	.396	11073	11.9	41	1B			4.61				7 7 7 7
HTPR	10	1424	1530	1429	N17	E17	.407	11073	11.9	66	1B	C	1429	2.58	2.80			EL
HUAN	10	1428	1457D	1432	N17	E16	.397	11073	11.8	29D	1N	1 P	1432	2.30	2.50			E
MONT	10	1429	1456D	1441	N15	E19	.410	11073	12.0	27D	1B	C	1441	5.16				
MCMA	10	1429	1529	1431	N18	E16	.408	11073	11.8	60	-B	C	1431	1.29	1.40			EL
CAPE	10	1429	1456	1432	N15	E17	.386	11073	11.9	27	1B	C	1432	2.52	2.70			HV
LOCA	10	1430E	1445D	1430	N15	E16	.374	11073	11.8	15D	2N	S	1430	5.04	5.50			
WEND	10	1434	1514D		N17	E19	.430	11073	12.0	40D	3N	V		13.41				
GRP35486	10	1436	1453	1442	N15	E48	.764	11077	14.2	17	-N			1.55				4 4 4 7
HUAN	10	1434	1445	1435	N09	E52	.794	11077	14.5	11	-F	1 C	1435	.30	.50			E
WEND	10	1434	1454		N14	E48	.761	11077	14.2	20	1N	V		3.09				
HUAN	10	1436	1457D	1441	N17	E48	.769	11077	14.2	21D	-N	1 P	1441	.51	.79			E
MONT	10	1436	1450	1445	N15	E49	.774	11077	14.3	14	-N	C	1445	2.27				
MCMA	10	1437	1450	1439	N15	E46	.742	11077	14.1	13	-N	C	1439	.31	.60			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. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha
1970 DEC																	
GRP35507	11	0750	0809	0753	N11	E37	.622	11077	14.1	19	--N						6 6 6 7
CRON	11	0749	0810	0751	N09	E36	.603	11077	14.0	21	-N	1	C	0750	.22	.27	
MONTE	11	0749	0805	0753	N12	E38	.639	11077	14.2	16	-N		C	0753	.77		
TEHR	11	0750	0816	0753	N11	E37	.622	11077	14.1	26	-N		C		.36		DE
HTPR	11	0750	0810	0754	N10	E37	.619	11077	14.1	20	-N		C	0754	.41	.50	D
MANI	11	0752	0805		N12	E39	.651	11077	14.3	13	-B	2		0755	.52	.69	
ARCE	11	0800E	0810		N12	E33	.574	11077	13.8	100	-F		P	0800	.46	.60	
GRP35508	11	0801	0822	0811	N15	E07	.290	11073	11.9	21	--F				.35		4 4 4 9
CRON	11	0754	0824	0755	N13	E06	.253	11073	11.8	30	-N	1	C	0755	.22	.21	
ARCE	11	0800E	0822		N15	E06	.284	11073	11.8	220	-F		C	0800	.66	.70	E
MANI	11	0800	0817		N16	E09	.319	11073	12.0	17	-N	2		0807	.26	.27	
TEHR	11	0810	0825	0811	N16	E07	.305	11073	11.9	15	-F		C		.27		DE
GRP35509	11	0814	0839	0819	S09	W11	.241	11070	10.5	25	--F				.30		3 3 3 11
TEHR	11	0813	0856	0817	S09	W09	.215	11070	10.7	43	-F		C		.27		DE
HTPR	11	0814	0830	0821	S10	W12	.264	11070	10.4	16	-N		C	0821	.21	.20	E
ARCE	11	0816	0832	0820	S08	W13	.259	11070	10.4	16	-F		C	0820	.43	.50	
GRP35511	11	0854	0923	0859	N16	E06	.299	11073	11.8	29	--F				.51		5 5 5 11
CANR	11	0850	0927		N17	E05	.310	11073	11.7	37	-N	2	V		.60	.60	
ARCE	11	0851	0908D	0902	N14	E05	.262	11073	11.7	170	-F		C	0902	.66	.70	
CATA	11	0855E	0915D	0855	N16	E07	.305	11073	11.9	200	-N		C	0855	.23	.24	178
CAPS	11	0856E	0908D		N16	E05	.294	11073	11.7	120	-F	2	V	0901	.70	.70	148
TEHR	11	0858	0918	0859	N16	E07	.305	11073	11.9	20	-F		C		.36		DE
GRP35512	11	1025	1053	1031	N10	E36	.606	11077	14.1	28	1B				3.55		9 9 9 9
WEND	11	1005E	1056	1032	N08	E36	.600	11077	14.1	510	2B		P		9.28		
TEHR	11	1020	1057	1029	N10	E36	.606	11077	14.1	37	1B		C		3.09		FH
CANR	11	1020	1048	1030	N10	E34	.579	11077	14.0	28	1B	2	C	1030	2.90	3.57	
CATA	11	1024E	1043	1033	N11	E35	.596	11077	14.1	190	-B		C	1033	1.09	1.11	327
CAPS	11	1025	1056	1029	N12	E35	.600	11077	14.1	31	1B	3	P	1029	2.00	2.50	610
HTPR	11	1026	1055	1030	N10	E37	.619	11077	14.2	29	1B		C	1030	3.51	4.40	
CAPP	11	1027E	1050		N10	E36	.606	11077	14.1	230	1B		C	1028	2.48	3.12	
CAPE	11	1027	1054	1030	N10	E37	.619	11077	14.2	27	1B		C	1030	4.16	5.10	V
MONTE	11	1028	1054	1032	N11	E37	.622	11077	14.2	26	1B		C	1032	3.40		
HTPR	11	1050	1100	1052	N10	E37	.619	11077	14.2	10	-F		C	1052	.21	.20	D
GRP35513	11	1049	1100	1051	S08	W12	.245	11070	10.6	11	--N				.47		3 3 3 9
CATA	11	1047	1057	1050	S08	W12	.245	11070	10.5	10	-N		C	1050	.29	.30	195
MONTE	11	1049	1057	1052	S08	W11	.231	11070	10.6	8	-N		C	1052	.77		
TEHR	11	1050	1105	1052	S09	W12	.254	11070	10.6	15	-B		C		.36		DE
GRP35515	11	1255	1309	1257	S09	W14	.282	11070	10.5	14	--N				.77		5 5 5 9
CATA	11	1250	1306	1250	S09	W14	.282	11070	10.5	16	-N		C	1250	.52	.54	182
RAMY	11	1255E	1311D	1256U	S09	W13	.268	11070	10.6	160	-N		C		.72		DE
CANR	11	1256	1300	1257	S10	W14	.291	11070	10.5	4	-N	2	C	1257	.32	.32	
MONTE	11	1256	1311	1302	S09	W13	.268	11070	10.6	15	-N		C	1302	2.06		
HTPR	11	1258	1315	1301	S10	W15	.305	11070	10.4	17	-F		C	1301	.21	.20	
GRP35516	11	1321	1341	1326	N19	E10	.370	11073	12.3	20	--B				.74		7 7 7 8
CATA	11	1318	1340	1318	N19	E09	.363	11073	12.2	22	-B		C	1318	.58	.63	246
RAMY	11	1319	1332D	1332D	N19	E11	.377	11073	12.4	130	-B		C		.41		DE
CANR	11	1322	1342	1324	N22	E10	.413	11073	12.3	20	-B	2	C	1324	.43	.47	
MONTE	11	1323	1336	1325	N20	E10	.384	11073	12.3	13	-N		C	1325	1.55		
HTPR	11	1323	1327D	1324	N19	E09	.363	11073	12.2	40	-N		C	1324	.72	.80	
CAPE	11	1323	1340	1326	N20	E11	.391	11073	12.4	17	-N		C	1326	1.12	1.20	
CAPS	11	1327E	1348D		N15	E08	.297	11073	12.2	210	-B	3	V	1329	.40	.40	204
8 STATIONS REPORTING GROUP 35517. 1 STATIONS OBSERVING AND NOT REPORTING.																	
GRP35517	11	1430	1501	1437	N13	E43	.703	11077	14.8	31	-N				1.85		8 8 7 9
HTPR	11	1428	1530	1440	N13	E41	.679	11077	14.7	62	-N		C	1440	.93	1.20	E
LOCA	11	1429	1456D	1440	N12	E38	.639	11077	14.5	270	1N		P	1440	2.94	3.90	
CANR	11	1430	1525	1432	N14	E41	.683	11077	14.7	55	-N	2	C	1432	.65	.88	
CAPS	11	1430E	1453D		N12	E48	.757	11077	15.2	230	-F	2	V	1436	1.20	1.80	145
CAPE	11	1430	1453	1436	N12	E43	.700	11077	14.8	23	1N		C	1436	1.77	2.40	
CATA	11	1430	1455D	1435	N12	E41	.676	11077	14.7	250	-B		C	1435	1.44	1.98	237
MONTE	11	1431	1445D	1437	N11	E41	.673	11077	14.7	140	1N		C	1437	3.40		
BOUL	11	1434	1537	1440	N13	E45	.726	11077	15.0	63	1N	1	V				
HTPR	11	1435	1504	1440	N15	E48	.764	11077	15.2	29	-F		C	1440	.31	.40	
CATA	11	1435	1455D	1435	N14	E47	.751	11077	15.1	200	-N		C	1435	.29	.45	174
35517	11	1445	1502	1453	N11	E33	.569	11077	14.1	17	*-B				.94		4 4 3 7
CAPE	11	1445	1505	1453	N10	E33	.565	11077	14.1	20	-N		C	1453	1.47	1.80	H
HTPR	11	1445	1504	1453	N10	E32	.552	11077	14.0	19	-B		C	1453	1.03	1.10	
CANR	11	1445	1457	1452	N10	E32	.552	11077	14.0	12	-N	2	C	1452	.32	.39	
BOUL	11	1446	1501	1452	N12	E35	.600	11077	14.2	15	-B	1	V				

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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.												
GRP35518	11	1520	1540	1525	S10	W13	.278	11070	10.7	20	--N							2 2 1 4
CANR	11	1519	1540		S10	W12	.264	11070	10.7	21	-N	2	V			.40	.40	
BOUL	11	1520	1539	1525	S09	W13	.268	11070	10.7	19	-N	1	V					
GRP35519	11	1523	1537	1527	N18	E09	.348	11073	12.3	14	--N					.32		3 3 2 3
CANR	11	1521	1539	1529	N19	E09	.363	11073	12.3	18	-N	2	C	1529		.32	.35	
HTPR	11	1523	1535	1527	N17	E09	.334	11073	12.3	12	-N		C	1527		.31	.30	
BOUL	11	1524	1537	1525	N19	E09	.363	11073	12.3	13	-N	1	V					
GRP35520	11	1614	1622	1617	N14	E06	.268	11073	12.1	8	--F							2 2 0 3
LOCK	11	1613	1622	1616	N14	E06	.268	11073	12.1	9	-F		C					
BOUL	11	1615	1622	1617	N14	E06	.268	11073	12.1	7	-F	1	V					
GRP35523	11	1725	1746	1736	S11	W18	.355	11070	10.4	21	--F					.21		2 2 1 4
LOCK	11	1725	1750	1735	S11	W18	.355	11070	10.4	25	-F		C					
HUAN	11	1736E	1742	1736U	S10	W17	.333	11070	10.5	60	-N	1	P	1736		.21	.22	D
4 STATIONS REPORTING GROUP 35524. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35524	11	1734	1816	1741	N15	E02	.267	11073	11.9	42	-N					.54		3 3 2 4
PALE	11	1732E	1816	1740	N15	E02	.267	11073	11.9	440	-N		C			.62		DE
BOUL	11	1735	1815	1744	N15	E01	.266	11073	11.8	40	-N	1	V					
HUAN	11	1736E	1745U	1740U	N15	E02	.267	11073	11.9	90	-N	1	P	1740		.45	.47	E
35524	11	1730	1812	1753	N14	E02	.250	11073	11.9	42	*-F					1.44		2 2 1 4
LOCK	11	1730	1807	1752	N13	E01	.232	11073	11.8	37	1F		C					
PALE	11	1732E	1816	1754	N15	E02	.267	11073	11.9	440	-N		C			1.44		
GRP35525	11	1832	1839	1837	S07	W18	.328	11070	10.4	7	--F					.30		2 2 1 3
HUAN	11	1827	1836	1833	S10	W17	.333	11070	10.5	9	-F	1	C	1833		.30	.32	E
BOUL	11	1836	1842	1840	S04	W18	.315	11070	10.4	6	-F	2	V					
526 LOCK	11	1911	1927	1916	N18	E06	.330	11073	12.2	16	--F		C					2
GRP35527	11	1916	1942	1921	N17	E30	.563	11077	14.1	26	-N					.40		3 3 1 3
BOUL	11	1915	1944	1917	N14	E31	.558	11077	14.1	29	-N	2	V					
LOCK	11	1916	1948	1919	N14	E32	.571	11077	14.2	32	-N		C					
LOCK	11	1919	1940	1927	N26	E25	.584	11077	13.7	21	-F		C					
HUAN	11	1925E	1934U	1927	N16	E32	.582	11077	14.2	90	-N	1	P	1927		.40	.49	E
GRP35529	11	2018	2100	2027	N14	E01	.249	11073	11.9	42	--F					.21		2 2 1 3
HUAN	11	2016	2024U	2024U	N14	E00	.248	11073	11.8	80	-F	1	P	2024		.21	.21	E
LOCK	11	2020	2100	2030	N13	E01	.232	11073	11.9	40	-F		C					
530 LOCK	11	2042	2100	2051	N06	E47	.735	11077	15.4	18	--F		C					2
GRP35531	11	2236	2303	2242	N15	E30	.551	11077	14.2	27	-N					1.48		4 4 3 4
CRON	11	2236	2300	2241	N15	E30	.551	11077	14.2	24	-N	2	C	2241		.43	.51	
PALE	11	2236	2305	2243	N15	E30	.551	11077	14.2	29	-N		C			1.54		F
LOCK	11	2236	2300	2242	N14	E30	.545	11077	14.2	24	-N		C					
CULG	11	2237	2307	2241	N17	E29	.551	11077	14.1	30	1N		C	2241		2.48	2.88	
	12	0550	0615		NO FLARE PATROL													
	12	0630	0635		NO FLARE PATROL													
6 STATIONS REPORTING GROUP 35532. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35532	11	2205	0125	2241	N16	W02	.284	11073	11.8	200	1N					4.88		5 3 3 6
BOUL	11	2205	2215	2207	N15	W09	.305	11073	11.2	10	-F	1	V					
PALE	11	2206	0000U	2241	N15	W01	.266	11073	11.8	1140	2N		C			8.13		F
HUAN	11	2214E	2236U	2236U	N17	W02	.300	11073	11.8	220	1N	2	P	2236		3.29	3.45	E
CULG	11	2229E	0201U	2310	N19	E01	.332	11073	12.0	2120	3N		P	2310		17.02	17.32	LRU
CRON	11	2235E	0125	2245U	N17	W02	.300	11073	11.8	1700	1N	2	C	2245		3.23	3.40	
35532	11	2210	2228	2226	N17	W01	.299	11073	11.8	18	*1N							2 2 0 5
LOCK	11	2205	0003U	2228	N17	W01	.299	11073	11.8	1180	2N		C					FS
BOUL	11	2214	2228	2223	N16	W01	.282	11073	11.9	14	-N	1	V					
35532	12	0004	0200	0004	N15	W02	.269	11073	11.9	116	*2N					8.13		2 1 1 5
PALE	12	0004E	0200	0004U	N15	W02	.269	11073	11.9	1160	2N		C			8.13		F
MANI	12	0020	0043		N16	E00	.284	11073	12.0	23	1B	2		0020		3.92	4.00	
GRP35533	12	0640	0703	0645	N18	W01	.318	11073	12.2	23	--B					.49		2 2 2 3
MANI	12	0640	0705	0645	N16	W03	.288	11073	12.1	25	-N	2		0645		.52	.54	
CATA	12	0645E	0700	0645	N19	E01	.334	11073	12.4	150	-B			0645		.46	.49	229
GRP35534	12	0642	0703	0645	N08	E22	.399	11077	13.9	21	--B					.46		2 2 2 3
MANI	12	0642	0705	0645	N06	E20	.358	11077	13.8	23	-B	2		0645		.52	.55	
CATA	12	0645E	0700	0645	N10	E24	.440	11077	14.1	150	-N			0645		.40	.46	191

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	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.												
GRP35535	12	0732	0753	0736	N10	E23	.425	11077	14.0	21	--N							4 4 4 4
CRON	12	0728	0753	0732	N10	E23	.425	11077	14.0	25	-F	1	C	0732	.22	.24		
MANI	12	0730	0748	0732	N07	E21	.379	11077	13.9	18	-N	2	C	0732	.72	.78		
ABST	12	0737	0754	0740	N12	E23	.439	11077	14.0	17	-F		C	0740	.81	.90	56	DJ
CATA	12	0740E	0755	0740	N10	E24	.440	11077	14.1	150	-B			0740	.23	.26	243	
GRP35536	12	0808	0831	0815	N14	W06	.270	11073	11.9	23	-N				1.79			9 7 7 10
CAPS	12	0804E	0833		N13	E07	.262	11073	12.9	290	-N	2	V	0811	.50	.50	190	
ABST	12	0807	0840	0808	N14	W07	.277	11073	11.8	33	-N		C	0808	1.98	2.00	62	EJK
MANI	12	0807	0819	0810	N16	W05	.296	11073	12.0	12	1N	2	C	0810	2.58	2.58		
BUCA	12	0808E	0828D		N15	W06	.286	11073	11.9	200	1N		C	0810	2.21	2.30		
CRON	12	0808	0818	0808	N13	W05	.248	11073	12.0	10	-N		V		.90			
MONT	12	0808	0814	0811	N14	W06	.270	11073	11.9	6	-N		C	0811	2.27			
CATA	12	0811E	0835	0820	N14	W07	.277	11073	11.8	240	-B			0820	1.09	1.15	263	
CATA	12	0811E	0816	0811	N21	W05	.375	11073	12.0	50	-B			0811	.29	.31	234	
MONT	12	0814	0831	0821	N13	W07	.262	11073	11.8	17	1N		C	0821	2.58			
CAPE	12	0819E	0835	0821	N13	W07	.262	11073	11.8	160	-N		P	0821	1.21	1.30		
CANR	12	0822E	0842		N14	W07	.277	11073	11.8	200	-N	2	V		.80			
GRP35537	12	0903	0927	0905	N10	E23	.425	11077	14.1	24	1B				2.69			8 8 8 9
CANR	12	0900U	0922	0905	N09	E23	.419	11077	14.1	220	1B	2	C	0905	2.58	2.85		
ABST	12	0900	0925D	0904	N11	E24	.446	11077	14.2	250	1B		C	0904	2.88	3.20	112	EJ
ARCE	12	0902	0945	0904	N10	E22	.411	11077	14.0	43	1F		C	0904	2.09	2.30		H
MONT	12	0902	0915D	0905	N10	E24	.440	11077	14.2	130	1B		C	0905	4.54		220	H
CAPS	12	0903E	0935D		N08	E24	.429	11077	14.2	32D	-B	3	P	0909	1.60	1.80		H
WEND	12	0904	0920		N09	E24	.434	11077	14.2	16	1B		P		4.13			
CAPP	12	0905E	0920		N10	E22	.411	11077	14.0	150	1N		C	0910	2.27	2.53	197	H
CATA	12	0905	0920D	0906	N10	E23	.425	11077	14.1	150	-N			0906	1.39	1.55		
GRP35538	12	1049	1105	1052	N19	W02	.335	11073	12.3	16	-B				1.60			8 8 8 8
CANR	12	1044U	1107	1051	N18	W04	.324	11073	12.1	23D	-N	2	C	1051	.65	.68		
HTRP	12	1045	1105	1050	N18	W03	.321	11073	12.2	20	-B		C	1050	.52	.50		
MONT	12	1046	1102	1051	N19	W01	.334	11073	12.4	16	-N		C	1051	2.06			
CAPE	12	1047	1104	1053	N19	W03	.337	11073	12.2	17	-N		C	1053	1.30	1.40		H
CATA	12	1049	1057D	1050	N19	W02	.335	11073	12.3	80	-B			1050	.75	.80	282	
CAPS	12	1050E	1107D		N18	E03	.321	11073	12.7	17D	-B	3	V	1053	1.30	1.40	205	
WEND	12	1051E	1110		N19	W02	.335	11073	12.3	19D	1N		P		4.13			
LVOV	12	1057	1102	1057	N18	W03	.321	11073	12.2	5	1B		C	1057	2.06	2.18	80	BD
GRP35540	12	1431	1448	1436	N01	E40	.643	11077	15.6	17	--N				.57			3 3 3 7
CATA	12	1430	1445D	1435	N01	E40	.643	11077	15.6	15D	-N			1435	.63	.83	186	
HUAN	12	1431	1448	1435	N02	E41	.657	11077	15.7	17	-N	2	C	1435	.53	.68		E
CANR	12	1432	1447	1437	N01	E40	.643	11077	15.6	15	-N	2	C	1437	.54	.70		
GRP35541	12	1436	1450	1440	N18	W03	.321	11073	12.4	14	-N				.98			6 6 5 7
HUAN	12	1426	1448	1440	N17	W04	.308	11073	12.3	22	-N	2	C	1440	.96	1.01		E
CAPE	12	1436	1445D	1440	N18	W05	.328	11073	12.2	9D	-N		P	1440	1.38	1.50		H
BOUL	12	1437	1446	1441	N19	W06	.348	11073	12.2	9	-N	2	V					
CANR	12	1437	1500	1440	N18	W03	.321	11073	12.4	23	-N	1	C	1440	.65	.68		
LOCA	12	1440E	1446D	1440	N17	W03	.305	11073	12.4	6D	-N		S	1440	1.47	1.50		
CATA	12	1440	1445D	1441	N19	E03	.337	11073	12.8	50	-B			1441	.46	.49	251	
HUAN	12	1449	1512	1452	N17	W06	.317	11073	12.2	23	-F	2	C	1452	.25	.26		E
GRP35543	12	1450	1543	1505	N12	E28	.507	11077	14.7	53	1N				1.99			4 4 4 5
CANR	12	1448U	1550	1459	N13	E30	.540	11077	14.9	62D	1N	2	C	1459	2.58	3.08		
HUAN	12	1452	1630	1510	N13	E27	.500	11077	14.6	98	1N	2	C	1510	2.53	2.92		E
CATA	12	1454E	1510D	1504	N12	E35	.601	11077	15.2	16D	-B			1504	1.16	1.45	204	
CATA	12	1454E	1510D	1504	N10	E28	.497	11077	14.7	16D	1B			1504	2.20	2.54	276	
BOUL	12	1501E	1535	1505	N11	E26	.474	11077	14.6	34D	-F	1	C	1505	.64	.74		
GRP35544	12	1531	1559	1537	N05	E43	.686	11077	15.9	28	--N				.40			2 2 1 3
HUAN	12	1530	1610	1539	N04	E42	.672	11077	15.8	40	-N	2	C	1539	.40	.53		D
BOUL	12	1532	1548	1534	N06	E43	.687	11077	15.9	16	-N	2	V					
GRP35545	12	1607	1629	1616	N10	E18	.354	11077	14.0	22	--N				.56			4 4 2 4
BOUL	12	1603	1628	1617	N11	E18	.363	11077	14.0	25	-B	2	V					
LOCK	12	1605E	1632	1615	N10	E19	.369	11077	14.1	27D	-N		C					
CANR	12	1606E	1631		N09	E17	.332	11077	13.9	250	-N	2	V		.20			
HUAN	12	1612	1625	1616	N11	E18	.363	11077	14.0	13	-F	2	C	1616	.91	.98		E
GRP35546	12	1740	1800	1746	S07	W29	.495	11070	10.6	20	--F				.29			3 3 2 4
HUAN	12	1727	1746	1733	S08	W31	.527	11070	10.4	19	-F	2	C	1733	.38	.45		D
PALE	12	1740	1810	1749	S06	W28	.477	11070	10.6	30	-N		C		.36			
LOCK	12	1740	1755	1745	S08	W29	.498	11070	10.6	15	-F		C					
HUAN	12	1740	1755	1745	S08	W28	.483	11070	10.6	15	-F	1	C	1745	.21	.24		D
GRP35547	12	1758	1821	1808	N02	E40	.644	11077	15.7	23	--F				.23			2 2 1 4
LOCK	12	1755	1820	1805	N01	E41	.656	11077	15.8	25	-F		C					
HUAN	12	1801	1822	1810	N03	E39	.631	11077	15.7	21	-N	2	C	1810	.23	.29		E

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	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.													
GRP35548	12	1840	1904	1844	N16	W11	.338	11073	12.0	24	1N							4 4 3 4	
LOCK	12	1840	1900	1844	N14	W12	.321	11073	11.9	20	1N								
BOUL	12	1840	1900	1845	N17	W11	.352	11073	12.0	20	1N	2	C	1845	2.16	2.32			
HUAN	12	1840	1909	1844	N12	W13	.308	11073	11.8	29	-B	2	C	1844	1.62	1.71		E	
PALE	12	1841	1911	1844	N15	W11	.325	11073	12.0	30	1N				4.24			F	
HUAN	12	1842	1906	1846	N21	W10	.401	11073	12.0	24	-N	2	C	1846	.56	.61		E	
3 STATIONS REPORTING GROUP 35549.										1 STATIONS OBSERVING AND NOT REPORTING.									
GRP35549	12	1854	1922	1905	N11	E18	.363	11077	14.1	28	--N				.59			2 2 2 4	
PALE	12	1847	1920	1902	N11	E18	.363	11077	14.1	33	-N				.80				
PALE	12	1847	1920	1851	N11	E18	.363	11077	14.1	33	-F				.45			F	
HUAN	12	1901	1924	1907	N11	E18	.363	11077	14.1	23	-N	1	C	1907	.38	.41		D	
HUAN	12	1921	1930	1923	N10	E17	.341	11077	14.1	9	-N	2	C	1923	.15	.17		E	
35549	12	1847	1909	1853	N10	E17	.341	11077	14.1	22	*-F				.40			2 2 1 4	
HUAN	12	1845	1902	1853	N10	E17	.341	11077	14.1	17	-N	2	C	1853	.40	.43		E	
LOCK	12	1848	1915	1853	N09	E17	.332	11077	14.1	27	-F							H	
3 STATIONS REPORTING GROUP 35551.										1 STATIONS OBSERVING AND NOT REPORTING.									
GRP35551	12	2048	2115	2053	N11	E17	.349	11077	14.1	27	--F				.28			3 3 1 4	
LOCK	12	2043	2128	2054	N10	E17	.341	11077	14.1	45	-F							K	
BOUL	12	2051	2101	2052	N11	E19	.376	11077	14.3	10	-F	1	V					E	
HUAN	12	2051E	2058D	2053	N11	E16	.336	11077	14.1	7D	-N	2	P	2053	.28	.29			
35551	12	2043	2123	2109	N12	E18	.372	11077	14.2	40	*-F				.32			2 2 1 4	
BOUL	12	2005	2117	2111	N12	E17	.358	11077	14.1	72	-F	1	C	2111	.32	.35			
LOCK	12	2043	2128	2107	N11	E18	.363	11077	14.2	45	-N							K	
552	LOCK	12	2117	2132	2122	S10	W31	.534	11070	10.6	15	--F							3
553	LOCK	12	2144	2215	2150	N05	E42	.673	11077	16.1	31	--F							3
GRP35555	12	2346	0017	2350	N12	E16	.346	11077	14.2	31	-N				1.81			4 4 3 4	
PALE	12	2345	0000D	2349	N13	E17	.368	11077	14.3	15D	-N				1.35			F	
CRON	12	2346	0007	2349	N12	E16	.346	11077	14.2	21	-N	2	C	2349	1.29	1.38			
LOCK	12	2347	0000D	2350	N11	E16	.336	11077	14.2	13D	-B							V	
CULG	12	2347	0027	2352	N13	E16	.356	11077	14.2	40	1N				2.78	2.89			
GRP35556	13	0016	0031	0021	N18	W10	.359	11073	12.3	15	--F				.25			2 2 2 3	
CRON	13	0015	0034	0021	N18	W09	.352	11073	12.3	19	-N	2	C	0021	.22	.23			
PALE	13	0016	0028	0020	N18	W10	.359	11073	12.3	12	-F				.27			F	
GRP35557	13	0038	0122	0056	S11	W34	.578	11070	10.5	44	-N				1.37			3 3 3 3	
CULG	13	0034	0150D	0056	S09	W33	.558	11070	10.5	76D	1N				2.68	3.32		H	
PALE	13	0036	0111	0053	S11	W34	.578	11070	10.5	35	-N				.99			FH	
CRON	13	0045	0105	0058	S12	W34	.582	11070	10.5	20	-N	2	C	0058	.43	.53			
GRP35558	13	0135	0158	0144	N11	E12	.287	11077	14.0	23	--N				.65			3 3 3 4	
PALE	13	0134	0158	0143D	N14	E10	.303	11077	13.8	24	-N				.63			DE	
CRON	13	0135	0200	0143	N09	E13	.278	11077	14.0	25	-N	2	C	0143	.32	.32			
KODA	13	0142E	0155	0146	N11	E13	.299	11077	14.0	13D	-N				1.01	1.00	1.72	CD	
GRP35560	13	0513	0525	0516	N09	E12	.265	11077	14.1	12	--N				.74			2 2 2 4	
MITK	13	0512	0524	0515	N09	E12	.265	11077	14.1	12	-N				.93	1.00		E	
CRON	13	0513	0525	0517	N09	E11	.252	11077	14.0	12	-N	1	C	0516	.54	.54			
GRP35561	13	0702	0747	0703	N09	E11	.252	11077	14.1	45	-N				.93			3 3 3 4	
ABST	13	0658	0702D	0700	N10	E11	.263	11077	14.1	4D	-N				1.62	1.70		EJ	
CRON	13	0700E	0747	0702	N08	E11	.241	11077	14.1	47D	-N	1	C	0701	.43	.43			
CATA	13	0708	0745D	0708	N10	E10	.251	11077	14.0	37D	-B				.75	.78		246	
GRP35562	13	0832	0858	0832	N13	E17	.369	11077	14.6	26	--N				.33			2 2 2 4	
CRON	13	0832	0840	0832	N12	E16	.347	11077	14.6	8	-N				.30				
CANR	13	0832	0915		N13	E18	.382	11077	14.7	43	-N	2	V		.35	.40			
GRP35563	13	0946	1012	0956	N10	E09	.240	11077	14.1	26	--N				.55			3 3 3 5	
CANR	13	0942	1012		N10	E09	.240	11077	14.1	30	-N	2	V		.35	.40			
ARCE	13	0945E	1004D	0956	N11	E09	.253	11077	14.1	19D	-F				.60	.60		E	
CATA	13	0950	1000D	0955	N10	E09	.240	11077	14.1	10D	-B				.69	.72		209	
GRP35565	13	1130	1145	1132	N18	W16	.413	11073	12.3	15	--N				.42			2 2 2 2	
CATA	13	1130	1145	1130	N18	W16	.413	11073	12.3	15	-N				.52	.57		191	
CANR	13	1134E	1145	1134	N18	W15	.403	11073	12.4	11D	-N	1	C	1134	.32	.35			
GRP35566	13	1239	1249	1240	N14	E12	.323	11077	14.4	10	--F				.48			2 2 2 3	
CANR	13	1238	1247	1239	N11	E11	.275	11077	14.4	9	-F	1	C	1239	.32	.32			
CATA	13	1240	1250	1240	N17	E12	.362	11077	14.4	10	-N				.63	.67		178	

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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. %	
3 STATIONS REPORTING GROUP 35567. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35567	13	1255	1330	1300	N13	W23	.447	11073	11.8	35	18						3 3 3 3	
CANR	13	1254	1330	1257	N13	W22	.434	11073	11.9	36	18	1	C	1257	3.55	3.96		
CATA	13	1255	13100	1302	N13	W23	.447	11073	11.8	150	18			1302	3.19	3.58	251	
RAMY	13	1301E	13100	1301E	N13	W23	.447	11073	11.8	90	18		C		4.43		F	
567 CATA	13	1255	13100	1302	N20	W21	.487	11073	12.0	150	*-B			1302	.58	.67	229	
	13	1417	1429	NO FLARE PATROL													3	
GRP35568	13	1533	1542	1534	N13	E10	.290	11077	14.4	9	-N						2 2 0 4	
BOUL	13	1533	1542	1534	N13	E09	.281	11077	14.3	9	-N	2	V				DE	
RAMY	13	1533	1535D		N12	E10	.277	11077	14.4	20	-N		C					
GRP35571	13	1715	1736	1722	N09	E04	.181	11077	14.0	21	--F				.21		2 2 1 2	
LOCK	13	1715	1735	1722	N09	E03	.175	11077	13.9	20	-F		C					
BOUL	13	1718U	1737U	1722U	N09	E04	.181	11077	14.0	190	-F	1	C	1722	.21	.21		
GRP35572	13	1830	1843	1833	N10	E04	.197	11077	14.1	13	-B				1.11		5 5 4 5	
PALE	13	1827	1843	1832	N09	E04	.181	11077	14.1	16	-N		C		.91		DE	
RAMY	13	1831	1842	1833	N10	E05	.203	11077	14.1	11	-B		C		1.75		F	
LOCK	13	1831	1844	1833	N10	E04	.197	11077	14.1	13	-B		C				V	
HUAN	13	1831	1838D	1833	N10	E04	.197	11077	14.1	7D	-B	1	P	1833	1.01	1.03	E	
BOUL	13	1833U	1844U	1836U	N10	E04	.197	11077	14.1	110	-B	1	C	1836	.75	.75		
GRP35573	13	2008	2023	2014	N14	W27	.507	11073	11.8	15	--N				.64		5 5 3 5	
RAMY	13	2007	2023	2014	N13	W26	.487	11073	11.9	16	-F		C		.83		DE	
LOCK	13	2008	2024	2014	N14	W28	.520	11073	11.7	16	-N		C					
BOUL	13	2008	2024	2011	N14	W25	.481	11073	12.0	16	-N	2	V					
HUAN	13	2010	2018	2015	N12	W27	.494	11073	11.8	8	-N	2	C	2015	.45	.57	E	
HUAN	13	2012	2017	2015	N17	W26	.517	11073	11.9	5	-F	2	C	2015	.23	.27	E	
PALE	13	2014E	2026	2014U	N14	W30	.546	11073	11.6	12D	-F		V		.41		F	
GRP35574	13	2132	2147	2136	N15	E03	.274	11077	14.1	15	--F						2 2 0 2	
LOCK	13	2129	2145	2135	N15	E03	.274	11077	14.1	16	-F		C					
BOUL	13	2135	2149	2137	N15	E02	.272	11077	14.0	14	-F	2	V					
GRP35575	13	2216	2226	2218	N10	E01	.185	11077	14.0	10	--F				.40		2 2 1 5	
LOCK	13	2216	2227	2218	N09	E02	.171	11077	14.1	11	-F		C					
CRON	13	2218E	2225	2218E	N11	E00	.202	11077	13.9	7D	-F		V		.40			
GRP35576	13	2323	2330	2324	N09	E03	.175	11077	14.2	7	--F				.37		4 4 3 5	
LOCK	13	2322	2326D	2325	N09	E03	.175	11077	14.2	4D	-F		C					
PALE	13	2322	2329	2324	N08	E02	.154	11077	14.1	7	-F		C		.27		F	
CRON	13	2323	2330	2323	N09	E03	.175	11077	14.2	7	-N	2	C	2323	.32	.32		
MITK	13	2323	2330	2324	N09	E02	.171	11077	14.1	7	-N		C	2324	.52	.50	E	
GRP35577	14	0105	0120	0109	N21	E83	.994	11084	20.3	15	-N				.35		4 4 4 5	
PALE	14	0102	0117D	0108U	N21	E80	.988	11084	20.0	15D	-N		C		.36			
CRON	14	0105	0123	0108	N19	E78	.981	11084	19.9	18	-N	2	C	0107	.22			
VORO	14	0106	0119	0110	N24	E86	.998	11084	20.5	13	-B		C	0110	.28	1.00	64	
MITK	14	0107	0118	0110	N21	E89	1.000	11084	20.7	11	-N		C	0110	.52		D	
GRP35579	14	0129	0134	0130	N12	E01	.221	11077	14.1	5	--F				.19		2 2 2 6	
PALE	14	0129	0134	0129	N13	E01	.238	11077	14.1	5	-F		C		.27		F	
CRON	14	0129	0133	0131	N11	E01	.204	11077	14.1	4	-N	2	C	0130	.11	.11		
GRP35581	14	0547	0552	0548	N12	W01	.221	11077	14.2	5	--B				.37		2 2 2 4	
CRON	14	0547	0551	0548	N11	E00	.204	11077	14.2	4	-N	1	C	0547	.22	.21		
MITK	14	0547	0553	0548	N12	W02	.223	11077	14.1	6	-B		C	0548	.52	.50	E	
GRP35582	14	0722	0755	0732	N01	E18	.310	11077	15.7	33	--F				1.06		2 2 2 4	
ABST	14	0721E	0746D	0734	N01	E18	.310	11077	15.7	25D	-F		P	0734	1.80	1.90	FJ	
CRON	14	0722	0755	0730	N01	E17	.294	11077	15.6	33	-F	1	C	0729	.32	.32		
GRP35583	14	0933	0946	0937	N12	E03	.227	11077	14.6	13	--N				.22		2 2 2 5	
CRON	14	0933	0944	0937	N11	E03	.210	11077	14.6	11	-N	1	C	0937	.22	.21		
CANR	14	0933	0948	0937U	N12	E03	.227	11077	14.6	15	-N	1	C	0937	.22	.21		
GRP35584	14	0944	1006	0948	N13	W02	.240	11077	14.3	22	--N				.70		2 2 2 5	
CRON	14	0943	1006	0949	N13	W02	.240	11077	14.3	23	-N	1	C	0949	.75	.75		
CANR	14	0945	0948D	0947U	N12	W01	.221	11077	14.3	3D	-N	1	C	0947	.65	.64		
GRP35585	14	1037	1050	1042	N03	E17	.299	11077	15.7	13	--F				1.02		3 3 3 4	
CANR	14	1035	1055		N03	E17	.299	11077	15.7	20	-F	2	V		1.00	1.00		
CAPE	14	1038	1050	1042	N03	E16	.283	11077	15.6	12	-N		C	1042	1.25	1.30		
CRON	14	1040E	1046		N02	E19	.329	11077	15.9	6D	-F		V		.80			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1970 DEC	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 $\alpha$	MAX. INT. %			
GRP35586	14	1339	1408	1345	N03	E14	.250	11077	15.6	29	--N							4 4 4 6	
HUAN	14	1335	1430	1345	N03	E14	.250	11077	15.6	55	-N	2	C	1345	.80	.83		E	
RAMY	14	1339	1405D	1345	N03	E15	.267	11077	15.7	260	-N		C		1.86			U	
MCMA	14	1341	1400D	1345	N03	E15	.267	11077	15.7	190	-F		C	1345	.52	.50		E	
CANR	14	1342	1356	1345	N03	E13	.234	11077	15.5	14	-N	1	C	1345	.43	.43			
GRP35587	14	1342	1356	1349	S04	W55	.820	11070	10.4	14	-N				.70			4 4 4 6	
RAMY	14	1337	1358	1349	S02	W55	.819	11070	10.4	21	-N		C		.62			DE	
HUAN	14	1340	1356	1348	S06	W53	.800	11070	10.6	16	-N	1	C	1348	.76	1.30		D	
CANR	14	1344	1356	1348	S05	W55	.820	11070	10.4	12	-N	1	C	1348	.43	.75			
CAPE	14	1346	1355	1349	S03	W55	.819	11070	10.4	9	-N		C	1349	.99	1.80		H	
GRP35588	14	1512	1549	1518	N05	E18	.324	11077	16.0	37	--F				.44			2 2 2 4	
RAMY	14	1512	1545D	1517	N04	E18	.319	11077	16.0	330	-F		C		.52			DE	
HUAN	14	1512	1549	1518	N05	E17	.308	11077	15.9	37	-F	2	C	1518	.35	.37		E	
590 RAMY	14	1630	1636	1632	S03	W56	.829	11070	10.5	6	--F		C		.31			DE 3	
GRP35591	14	1641	1649	1643	S05	W56	.830	11070	10.5	8	--F				.27			3 3 2 3	
LOCK	14	1640	1648	1642	S06	W56	.830	11070	10.5	8	-F		C						
RAMY	14	1640	1651	1644	S03	W56	.829	11070	10.5	11	-F		C		.31			DE	
CANR	14	1642	1647	1643	S06	W55	.820	11070	10.6	5	-N	1	C	1643	.22	.38			
GRP35592	14	1701	1719	1703	N15	E79	.984	11084	20.6	18	--F				.32			2 2 1 3	
CANR	14	1701	1717	1703	N16	E78	.981	11084	20.6	16	-N	1	C	1703	.32				
RAMY	14	1701	1721	1703	N14	E79	.983	11084	20.6	20	-F		C					DE	
593 CANR	14	1702	1717	1705	N18	E72	.957	11084	20.1	15	--N	1	C	1705	.11			3	
594 LOCK	14	1747	1753	1750	S06	W56	.830	11070	10.5	6	--F		C					3	
GRP35596	14	1851	1900	1853	S12	E66	.916	11085	19.7	9	--F				.32			2 2 2 5	
PALE	14	1850	1858	1853	S12	E65	.909	11085	19.7	8	-F		C		.23				
RAMY	14	1851	1902	1853	S12	E66	.916	11085	19.7	11	-F		C		.41			DE	
597 RAMY	14	1957E	2012D	1959	N19	E72	.958	11084	20.2	150	--F		C					DE 3	
GRP35598	14	2219	2228	2223	N11	W04	.215	11077	14.6	9	--N				.29			3 3 2 4	
PALE	14	2218	2229	2221	N10	W04	.199	11077	14.6	11	-N		C		.36			F	
LOCK	14	2219	2227	2221	N11	W05	.221	11077	14.6	8	-N		C						
CRON	14	2224E	2229	2227	N11	W04	.215	11077	14.6	50	-N	2	C	2227	.22	.21			
GRP35600	14	2229	0009	2307	N05	W02	.106	11077	14.8	100	1N				5.09			5 4 3 5	
CULG	14	2213E	0103	2315	N05	W02	.106	11077	14.8	1700	2N		P	2315	8.04	7.80		RS	
PALE	14	2227	2358	2304	N08	E02	.156	11077	15.1	91	1N		C		3.35			SU	
PALE	14	2227	2358	2253	N08	E02	.156	11077	15.1	91	1N		C		2.96			SU	
LOCK	14	2230	0000D	2305	N04	W02	.090	11077	14.8	90D	2F		C					S	
CRON	14	2231	0013	2302	N03	W04	.096	11077	14.6	102	1N	1	C	2302	3.87	3.87			
MITK	14	2340E	0023	2341	N04	W02	.090	11077	14.8	43D	1N		C	2341	5.05	5.10		BF	
GRP35602	15	0859	0930	0905	N05	E06	.146	11077	15.8	31	--N				.96			5 5 5 6	
TEHR	15	0858	0937	0901	N05	E06	.146	11077	15.8	39	-N		C		.45			DE	
HTPR	15	0859	0920	0904	N05	E07	.159	11077	15.9	21	-N		C	0904	.41	.40			
CRON	15	0859	0932	0905	N04	E06	.135	11077	15.8	33	-N	1	C	0905	.32	.32			
CAPE	15	0900	0935	0905	N05	E06	.146	11077	15.8	35	-N		C	0905	.99	1.00			
ABST	15	0909E	0928	0910	N05	E06	.146	11077	15.8	190	1N		P	0910	2.61	2.60	59	EJ	
GRP35603	15	1105	1127	1111	N14	E66	.920	11084	20.4	22	--F				.27			2 2 2 6	
TEHR	15	1105	1128	1110	N14	E64	.907	11084	20.3	23	-F		C		.23			DE	
HTPR	15	1105	1126	1112	N13	E67	.926	11084	20.5	21	-F		C	1112	.31	.60			
	15	1353	1355		NO FLARE PATROL														
605 RAMY	15	1353E	1400	1353E	S04	W67	.920	11070	10.6	7D	-N		V		.62			DE 3	
607 RAMY	15	1510	1535	1514U	N16	E70	.946	11084	20.9	25	--N		C		.41			DE 3	
GRP35608	15	1707	1730	1712	N12	E67	.925	11084	20.7	23	--F				.36			2 2 2 3	
HUAN	15	1704E	1714D	1710	N12	E66	.919	11084	20.7	10D	-F	1	P	1710	.30	.68		D	
RAMY	15	1709	1730	1713U	N11	E67	.925	11084	20.7	21	-N		C		.41			DE	
609 RAMY	15	2052	2109	2057	N14	E59	.868	11084	20.3	17	--F		C		.52			DE 2	
610 PALE	15	2104	2111	2106	N09	W24	.436	11077	14.1	7	--N		C		.15			2	
611 PALE	15	2144	2200	2149	S03	W76	.970	11070	10.2	16	1N		C		1.44			F 1	



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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1970 DEC																	
GRP35612	15	2227	2235	2231	S07	W74	.961	11070	10.4	8	-N			.78			2 2 2 4	
MANI	15	2225E	2233		S10	W75	.966	11070	10.3	8D	-N	2	2225	.72	1.75			
CULG	15	2228	2237D	2231	S04	W73	.956	11070	10.5	9D	1N		2231	.83			R	
GRP35613	16	0102	0126	0105	N05	W03	.117	11077	15.8	24	-N			.96			3 3 3 5	
PALE	16	0101	0129	0104	N05	W03	.117	11077	15.8	28	-B			1.35			UH	
MITK	16	0102	0124	0105	N06	W02	.127	11077	15.9	22	-F		0105	.93	.90		EH	
CRON	16	0107E	0125		N03	W05	.112	11077	15.7	18D	-N			.60				
GRP35615	16	0445	0455	0447	S10	E44	.703	11085	19.5	10	--N			.42			2 2 2 5	
MITK	16	0445	0455	0447	S09	E44	.701	11085	19.5	10	-N			.52	.70		E	
CRON	16	0445	0454	0446	S11	E43	.693	11085	19.4	9	-N	2	0446	.32	.45			
GRP35622	16	1206	1234	1217	N17	E50	.793	11084	20.3	28	-N			.75			5 5 5 6	
RAMY	16	1204	1230	1211	N17	E50	.793	11084	20.3	26	-N			1.24			DE	
CAPE	16	1207	1235	1215	N18	E49	.786	11084	20.2	28	-F		1215	.95	1.50			
CANR	16	1207	1232	1212	N16	E50	.790	11084	20.3	25	-N	2	1212	.65	1.05			
HUAN	16	1218E	1240	1225	N15	E52	.807	11084	20.4	22D	-N	1	1225	.33	.54		E	
HUAN	16	1218E	1240	1221	N18	E48	.776	11084	20.1	22D	-N	1	1221	.28	.44		D	
CATA	16	1220E	1235D	1220	N18	E48	.776	11084	20.1	15D	-N		1220	.58	.94		191	
CATA	16	1220E	1235D	1220	N14	E51	.795	11084	20.3	15D	-N		1220	.52	.87		174	
626 RAMY	16	1550	1557		N13	E83	.993	11088	22.9	7	--F						DE 3	
GRP35627	16	1738	1749	1741	S11	E68	.929	11087	21.8	11	-N			.59			4 4 4 4	
RAMY	16	1737	1753	1740	S12	E69	.935	11087	21.9	16	-F			.83			DE	
HUAN	16	1738	1748	1741	S10	E69	.935	11087	21.9	10	-B	1	1741	.35			E	
BOUL	16	1739	1748	1741	S12	E68	.929	11087	21.8	9	-N	1	1741	.64				
PALE	16	1741E	1747	1742U	S11	E65	.908	11087	21.6	6D	-N			.54			F	
GRP35630	16	1853	1905	1855	N03	W18	.316	11077	15.4	12	--N			.30			3 3 2 4	
PALE	16	1846	1900	1849	N04	W17	.304	11077	15.5	14	-N			.45			DE	
BOUL	16	1857	1908	1857	N03	W20	.348	11077	15.3	11	-N	2						
HUAN	16	1857E	1907	1858	N03	W16	.284	11077	15.6	10D	-N	1	1858	.15	.16		D	
632 PALE	16	2243	2300	2247	N13	W30	.543	11077	14.7	17	--F			.19			2	
GRP35633	17	0401	0422	0405	N11	E47	.746	11084	20.7	21	--N			.64			2 2 2 5	
CRON	17	0401	0428	0405	N10	E44	.709	11084	20.5	27	-N	1	0404	.75	1.07			
MANI	17	0402E	0415		N12	E50	.781	11084	20.9	13D	-N	2	0404	.52	.80			
GRP35639	17	0948	1001	0952	N12	E39	.655	11084	20.3	13	-N			.65			5 4 4 9	
HTRP	17	0946	0955	0949	N13	E40	.671	11084	20.4	9	-N		0949	.83	1.00		E	
CRON	17	0948	1007	0950	N11	E39	.651	11084	20.3	19	-N	1	0949	.43	.57			
MONT	17	0950	0957	0952	N11	E39	.651	11084	20.3	7	-N		0952	1.13				
ARCE	17	0951	1000D	0952	N10	E49	.766	11084	21.1	9D	-N		0952	1.10	1.80			
CANR	17	0955E	1006	0956	N11	E38	.639	11084	20.3	11D	-N	1	0956	.22	.28			
GRP35642	17	1305	1316	1308	N21	E55	.849	11084	21.7	11	-N			.85			8 8 7 9	
HTRP	17	1302	1315	1306	N24	E55	.857	11084	21.7	13	-F		1306	.62	1.20			
RAMY	17	1304	1319	1307	N22	E57	.868	11084	21.8	15	-F			.52			DE	
CANR	17	1305	1315	1307	N21	E54	.841	11084	21.6	10	-N	2	1307	.43	.79			
MONT	17	1305	1315	1309	N19	E56	.853	11084	21.7	10	-N		1309	2.27				
ZURI	17	1306	1314	1308	N21	E55	.849	11084	21.7	8	-N		1308	.77	1.40			
HUAN	17	1306E	1317	1308	N23	E53	.838	11084	21.5	11D	-N	2	1308	.61	1.16		D	
WEND	17	1306	1318		N19	E56	.853	11084	21.7	12	-N							
CAPS	17	1307E	1315D		N21	E54	.841	11084	21.6	8D	-F	3	1309	.70	1.30		145	
GRP35643	17	1619	1648	1637	N18	E29	.564	11084	19.9	29	--N			.43			2 1 1 4	
HUAN	17	1619	1648D	1637	N18	E29	.564	11084	19.9	29D	-N	2	1637	.43	.53		E	
RAMY	17	1621	1648	1626	N18	E32	.600	11084	20.1	27	-F			.62			DE	
GRP35645	17	1836	1906	1844	N18	E35	.635	11084	20.4	30	--F			.50			3 3 3 3	
BOUL	17	1831	1906	1839	N14	E38	.650	11084	20.6	35	-F	1	1839	.21	.28			
PALE	17	1833	1906	1846	N18	E38	.669	11084	20.6	33	-F			.45			F	
BOUL	17	1835	1901	1841	N18	E32	.600	11084	20.2	26	-F	1	1841	.32	.40			
PALE	17	1836	1903	1838	N20	E32	.613	11084	20.2	27	-F			.19				
RAMY	17	1836	1856	1838	N20	E31	.602	11084	20.1	20	-F			.31			DE	
RAMY	17	1838	1909	1846	N16	E38	.659	11084	20.6	31	-F			.52			DE	
GRP35646	17	1916	1959	1927	N11	E35	.600	11084	20.4	43	--N			.64			4 3 3 4	
PALE	17	1913	1951	1926	N10	E35	.596	11084	20.4	38	-N			.55				
PALE	17	1913	1951	1915	N10	E35	.596	11084	20.4	38	-F			.27				
BOUL	17	1914	2010	1924	N11	E34	.587	11084	20.4	56	-N	1	1924	.64	.80			
RAMY	17	1921	1941D	1924	N11	E36	.613	11084	20.5	20D	-N			.72			DE	
LOCK	17	1933E	1955	1935	N11	E33	.573	11084	20.3	22D	-F							
PALE	17	2005	2017	2007	N10	E35	.596	11084	20.5	12	-F			.36			F	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.												
GRP35648	17	2046	2106	2057	N12	E33	.578	11084	20.3	20	--F						2 2 1 4	
BOUL	17	2046	2106	2055	N11	E32	.560	11084	20.3	20	-F	1	V					
HUAN	17	2055E	2059D	2058	N12	E33	.578	11084	20.3	40	-N	1	P	2058	.21	.25		D
GRP35649	17	2106	2122	2109	N11	E34	.587	11084	20.4	16	--F				.64			3 3 2 4
LOCK	17	2100	2125	2108	N11	E35	.600	11084	20.5	25	-F		C					
BOUL	17	2106	2120	2109U	N11	E33	.573	11084	20.4	14	-F	1	C	2109	.64	.78		
PALE	17	2111	2121	2111	N10	E35	.596	11084	20.5	10	-F		C		.63			F
GRP35650	17	2114	2122	2118	N21	E82	.992	11089	24.0	8	--N				.15			2 2 2 3
BOUL	17	2114	2120	2117	N21	E81	.990	11089	24.0	6	-F	1	C	2117	.11			
PALE	17	2114	2124	2118	N21	E83	.994	11089	24.1	10	-B		C		.19			
GRP35652	17	2210	2226	2213	N10	E33	.569	11084	20.4	16	--F				.34			2 2 2 4
BOUL	17	2210	2225	2212U	N09	E32	.551	11084	20.3	15	-F	1	C	2212	.32	.39		
PALE	17	2214E	2226D	2214U	N10	E34	.583	11084	20.5	12D	-F		C		.36			F
GRP35655	18	0034	0046	0035	N11	E32	.561	11084	20.4	12	--N				.61			3 3 3 5
VORO	18	0031	0043	0034	N12	E31	.552	11084	20.3	12	-B		C	0034	.84	1.00		EJ
CRON	18	0035	0047	0036	N10	E31	.542	11084	20.3	12	-N	2	C	0035	.43	.51		
PALE	18	0035E	0047	0036U	N11	E33	.574	11084	20.5	12D	-F		C		.55			F
GRP35657	18	0154	0201	0155	N13	E35	.609	11084	20.7	7	--N				.37			2 2 2 6
VORO	18	0152	0159	0154	N13	E35	.609	11084	20.7	7	-B		C	0154	.46	.60		D
PALE	18	0156	0203	0156	N12	E34	.592	11084	20.6	7	-F		C		.27			71
GRP35658	18	0227	0239	0228	N11	E31	.547	11084	20.4	12	--F				.19			2 2 2 6
CRON	18	0226	0239	0227	N10	E29	.515	11084	20.3	13	-N	1	C	0227	.11	.13		
PALE	18	0228	0238	0229	N11	E32	.561	11084	20.5	10	-F		C		.27			F
GRP35661	18	0349	0407	0349	N11	E29	.520	11084	20.3	18	--F				.68			2 2 2 5
CRON	18	0348	0407	0349	N10	E29	.515	11084	20.3	19	-N	2	C	0349	.43	.50		
MITK	18	0350	0351D		N12	E28	.512	11084	20.3	1D	-F		P	0351	.93	1.10		E
GRP35666	18	0855	0904	0855	N12	E31	.552	11084	20.7	9	--N				.27			3 2 2 7
ABST	18	0830	0905	0832	N11	E29	.520	11084	20.5	35	1F		C	0832	2.07	2.40		EJ
CATA	18	0855E	0905	0855	N12	E30	.539	11084	20.6	10D	-N			0855	.23	.28		50
CRON	18	0858E	0903		N12	E32	.566	11084	20.8	5D	-N		V		.30			176
GRP35670	18	1006	1015	1008	N19	E30	.584	11084	20.7	9	--N				.61			3 3 3 7
ABST	18	1005	1012D	1007	N18	E29	.565	11084	20.6	7D	-F		P	1007	.90	1.10		DJ
MONT	18	1006	1015	1010	N20	E30	.592	11084	20.7	9	-N		C	1010	.77			
CATA	18	1007E	1015D	1007	N19	E30	.584	11084	20.7	8D	-N			1007	.17	.21		186
GRP35671	18	1108	1143	1118	N18	E21	.473	11084	20.0	35	-N				2.16			4 4 4 4
CAPE	18	1105	1147	1116	N18	E21	.473	11084	20.0	42	-N		C	1116	1.47	1.60		
TEHR	18	1110	1142	1115	N18	E20	.462	11084	20.0	32	-N		C		1.09			FDE
MONT	18	1119E	1139	1119	N18	E20	.462	11084	20.0	20D	1N		C	1119	4.54			U
RAMY	18	1120E	1145D	1120E	N18	E22	.484	11084	20.1	25D	-N		V		1.55			
GRP35672	18	1218	1241	1221	S11	E83	.992	11090	24.7	23	-N				.36			2 2 1 4
TEHR	18	1217	1245	1222	S11	E84	.994	11090	24.8	28	-N		C		.36			FDE
RAMY	18	1218	1237	1220	S10	E82	.990	11090	24.7	19	-N		C					DE
GRP35673	18	1350	1401	1352	N22	E73	.965	11089	24.1	11	--N				.32			2 2 2 5
RAMY	18	1350	1400	1351	N22	E73	.965	11089	24.1	10	-N		C		.41			DE
CANR	18	1350	1401	1353	N22	E72	.961	11089	24.0	11	-N	2	C	1353	.22			
GRP35675	18	1418	1500	1429	S10	E81	.987	11090	24.7	42	-N				.59			4 4 3 6
HUAN	18	1410	1441D	1431	S09	E80	.985	11090	24.6	31D	-N	1	P	1431	.51			E
CANR	18	1420	1449	1426	S10	E79	.981	11090	24.5	29	-N	1	C	1426	.32			
RAMY	18	1420	1451	1426	S11	E82	.990	11090	24.7	31	-N		C					DE
CAPE	18	1421	1510	1433	S11	E83	.992	11090	24.8	49	-F		C	1433	.95			
HUAN	18	1449	1508	1457	S07	E80	.985	11090	24.6	19	-F	1	C	1457	.15			D
677 HUAN	18	1557	1627	1604	S06	E80	.985	11090	24.7	30	--F	1	C	1604	.25			E
GRP35678	18	1703	1711	1705	N21	E70	.950	11089	24.0	8	--N				.26			2 2 2 3
HUAN	18	1701	1706D	1705U	N21	E69	.945	11089	23.9	5D	-N	1	P	1705	.21			D
RAMY	18	1704	1711	1705	N20	E70	.949	11089	24.0	7	-N		C		.31			DE
GRP35679	18	1729	1837		S08	E79	.981	11090	24.7	68	--N				.30			2 2 1 2
RAMY	18	1729	1752	1733	S10	E79	.981	11090	24.7	23	-N		C					DE
HUAN	18	1752E	1837	1758	S07	E78	.978	11090	24.6	45D	-N	1	P	1758	.30			E
RAMY	18	1806	1815D		S09	E79	.981	11090	24.7	9D	-N		C					DE





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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1970 DEC																	
GRP35743	20	1804	1813	1806	S08	E57	.840	11090	25.0	9	--F						2 2 2 3	
PALE	20	1804	1813	1806	S07	E56	.830	11090	25.0	9	-F	C						
RAMY	20	1804	1812	1806	S08	E58	.849	11090	25.1	8	-F	C					DE	
GRP35744	20	1837	1914	1841	N26	W16	.523	11084	19.6	37	--F						2 2 2 3	
PALE	20	1837	1905	1841	N26	W16	.523	11084	19.6	28	-N	C						
RAMY	20	1837	1922	1841	N25	W15	.504	11084	19.7	45	-F	C					DE	
RAMY	20	1837	1922	1902	N25	W15	.504	11084	19.7	45	-F	C					DE	
GRP35745	20	1922	1946	1930	S05	E12	.216	11087	21.7	24	--F						3 3 3 3	
PALE	20	1915	1950	1926	S04	E13	.229	11087	21.8	35	-N	C					F	
BOUL	20	1925	1940	1935	S05	E12	.216	11087	21.7	15	-F	1 C	1935	.32	.32			
RAMY	20	1925	1947	1928	S06	E12	.221	11087	21.7	22	-F	C					DE	
GRP35746	20	1931	1952	1936	N24	W17	.506	11084	19.5	21	--F						2 2 2 3	
PALE	20	1928	2003	1936	N24	W16	.498	11084	19.6	35	-F	C					DE	
BOUL	20	1934	1940	1936	N23	W17	.494	11084	19.5	6	-F	1 C	1936	.11	.12			
GRP35747	20	2000	2035	2004	N20	E40	.704	11089	23.8	35	--F						2 2 1 3	
PALE	20	1958	2045	2001	N19	E42	.720	11089	24.0	47	-N	C					F	
BOUL	20	2002	2025	2007	N20	E38	.682	11089	23.7	23	-F	1 V						
748	RAMY	20	2129	2141D	2134	N22	W14	.457	11084	19.8	12D	--F	C					DE
749	CRON	20	2235E	2243		N23	W15	.478	11084	19.8	8D	--N	V					2
750	CRON	20	2355E	0010		N12	W88	1.000	11077	14.4	15D	-N	V					3
GRP35751	21	0046	0059	0049	N22	W16	.475	11084	19.8	13	--F						4 4 4 4	
PALE	21	0044	0054	0048	N22	W18	.492	11084	19.7	10	-F	C					F	
CRON	21	0044	0053	0046	N23	W16	.487	11084	19.8	9	-N	2 C	0046	.22	.25			
MANI	21	0048	0108	0050	N20	W12	.417	11084	20.1	20	-N	2 C	0050	1.03	1.14			
MITK	21	0048	0101D	0050	N23	W18	.504	11084	19.7	13D	-F	C	0050	.83	1.00			
GRP35755	21	1234	1252	1237	S10	E45	.713	11090	24.9	18	--F						2 2 2 5	
CANR	21	1234	1252	1236	S09	E43	.687	11090	24.7	18	-F	2 C	1236	.43	.59			
RAMY	21	1238E	1252	1238E	S10	E46	.725	11090	25.0	14D	-F	C					DE	
GRP35757	21	1451	1520	1453	N24	W30	.627	11084	19.4	29	--F						2 2 2 3	
RAMY	21	1450	1515D	1453	N24	W28	.607	11084	19.5	25D	-F	C					DE	
CANR	21	1452	1520		N23	W31	.629	11084	19.3	28	-N	2 V						
758	BOUL	21	1741U	1800U	1746U	N24	W30	.627	11084	19.5	19D	--F	1 C	1746	.21	.28		1
759	BOUL	21	1811	1821	1813	N24	W25	.578	11084	19.9	10	--F	2 V					1
760	BOUL	21	1826	1840	1831	S10	E37	.612	11090	24.5	14	--F	1 C	1831	.43	.54		2
761	RAMY	21	2014	2027	2016	S11	E38	.627	11090	24.7	13	--F	C					DE
763	PALE	21	2156	2200	2158	N13	W21	.430	11084	20.3	4	--F	C					2
GRP35764	21	2215	2227	2217	N14	W23	.464	11084	20.2	12	--N						2 2 2 2	
BOUL	21	2215	2223	2217	N15	W23	.472	11084	20.2	8	-N	1 C	2217	.43	.48			
PALE	21	2217E	2231	2217	N13	W22	.443	11084	20.3	14D	-N	C					F	
765	PALE	21	2250	2325	2259	S10	W47	.737	11083	18.4	35	--N	C					F
GRP35766	21	2259	2306	2300	N24	W35	.677	11084	19.3	7	--N						2 2 2 2	
PALE	21	2258	2309	2300	N24	W35	.677	11084	19.3	11	-N	C					F	
CRON	21	2259	2302	2300	N23	W35	.670	11084	19.3	3	-N	1 C	2300	.22	.29			
GRP35767	21	2321	2348	2324	S11	E39	.640	11090	24.9	27	-B						2 2 2 2	
PALE	21	2320	2342	2325	S10	E39	.638	11090	24.9	22	-B	C					F	
CRON	21	2321	2353	2323	S11	E38	.627	11090	24.8	32	-B	2 C	2323	.86	1.11			
768	PALE	22	0050E	0109	0057	N25	W36	.694	11084	19.3	19D	--N	C					F
GRP35770	22	0505	0623	0512	N10	W27	.490	11084	20.2	78	--F						2 2 2 3	
TEHR	22	0502	0623	0510	N10	W27	.490	11084	20.2	81	-F	C						
CRON	22	0508	0537U	0513U	N09	W27	.484	11084	20.2	29D	-N	1 C	0513	.65	.74			
GRP35771	22	0650	0708	0708	N19	W32	.611	11084	19.9	18	--F						2 2 2 4	
TEHR	22	0650	0708	0708	N19	W31	.600	11084	20.0	18	-N	C					DE	
CRON	22	0653E	0705		N18	W33	.616	11084	19.8	12D	-F	V						

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.												
1970 DEC																		
GRP35772	22	1038	1102	1039	N25	W40	.732	11084	19.4	24	--N						3 3 3 6	
ABST	22	1036	1111D	1038	N24	W41	.736	11084	19.4	35D	-F	C	1038	1.08	1.60		EJK	
UCCL	22	1037	1045	1040	N27	W40	.744	11084	19.4	8	-N	C	1040	.52			DJ	
CATA	22	1040	1045	1040	N24	W39	.717	11084	19.5	5	-B		1040	.23	.33		207	
UCCL	22	1057	1110	1057	N25	W40	.732	11084	19.5	13	-N	C	1057	.52	1.20		EJ	
GRP35774	22	1244	1301	1259	N23	W44	.760	11084	19.2	17	1B			2.22			5 5 5 5	
UCCL	22	1242	1244	1244	N22	W45	.765	11084	19.2	2	-F	C	1244	.52			DJ	
CANR	22	1243	1332	1252	N21	W44	.751	11084	19.2	49	1N	1	C	1252	2.15	3.24		
TEHR	22	1243	1247D	1245	N23	W42	.741	11084	19.4	4D	-N	C		.45			DE	
CAPE	22	1246	1350	1257	N23	W44	.760	11084	19.2	64	1B	C	1257	2.52	3.80			
UCCL	22	1248	1351	1305	N25	W48	.805	11084	18.9	63	2B	C	1305	4.13			EJ	
CATA	22	1250	1305D	1259	N23	W42	.741	11084	19.4	15D	1B		1259	1.86	2.83		214	
775 UCCL	22	1355	1410	1402	N25	W45	.779	11084	19.2	15	1F	C	1402	2.06			EJ	
GRP35776	22	1455	1505	1456	S10	E26	.456	11090	24.6	10	--F			.43			2 2 1 3	
CANR	22	1454	1505	1456	S10	E28	.485	11090	24.7	11	-N	1	C	1456	.43	.48		
BOUL	22	1455	1505	1456	S10	E24	.426	11090	24.4	10	-F	1	V					
GRP35777	22	1516	1556	1521	N23	W43	.750	11084	19.4	40	-B			1.58			5 4 4 5	
CANR	22	1512	1555	1520	N22	W43	.746	11084	19.4	43	-B	1	C	1520	.86	1.30		
BOUL	22	1517	1523D	1520U	N23	W44	.760	11084	19.3	6D	1B	1	C	1520	1.72	2.69		
CAPE	22	1518	1552	1522	N23	W43	.750	11084	19.4	34	1B	C	1522	2.17	3.40			
RAMY	22	1521E	1600	1521E	N23	W43	.750	11084	19.4	39D	-F	C		1.55			F	
HUAN	22	1533E	1546D	1534	N23	W43	.750	11084	19.4	13D	-B	1	P	1534	.48	.72		E
GRP35778	22	1713	1723	1716	N22	W46	.775	11084	19.3	10	--N			.31			3 3 2 3	
RAMY	22	1713	1727	1716	N22	W46	.775	11084	19.3	14	-N	C		.41			DE	
LOCK	22	1713	1722	1715	N23	W47	.788	11084	19.2	9	-F	C						
CANR	22	1716E	1720		N22	W46	.775	11084	19.3	4D	-N	2	V	.20	.30			
GRP35779	22	1842	1846	1844	N12	W34	.594	11084	20.2	4	--F			.19			2 2 1 3	
LOCK	22	1841	1845	1843	N11	W34	.590	11084	20.2	4	-F	C						
PALE	22	1842	1847	1844	N13	W34	.599	11084	20.2	5	-F	C		.19				
GRP35780	22	1927	1955	1930	N10	W35	.599	11084	20.2	28	-N			1.01			4 4 2 4	
PALE	22	1901	1914	1904	N13	W34	.599	11084	20.2	13	-F	C		.19				
PALE	22	1912	1958	1930	N09	W34	.581	11084	20.2	46	-N	C		1.08			F	
LOCK	22	1920	1950	1926	N07	W36	.602	11084	20.1	30	-F	C						
RAMY	22	1928E	1951D	1928E	N09	W35	.595	11084	20.2	23D	-N	C		.93			F	
BOUL	22	1934	2002	1934	N11	W34	.590	11084	20.3	28	-N	1	V					
GRP35781	22	2044	2058	2048	N22	W48	.793	11084	19.3	14	--N			.39			3 3 2 3	
PALE	22	2042	2059	2049	N23	W48	.797	11084	19.3	17	-N	C		.36			F	
LOCK	22	2045	2053	2047	N20	W48	.786	11084	19.3	8	-F	C						
RAMY	22	2046	2101	2048	N22	W47	.784	11084	19.3	15	-N	C		.41			DE	
782 RAMY	22	2120	2134D	2121	S11	W57	.842	11083	18.6	14D	--F	C		.52			DE	
	22	2200	2236		NO FLARE PATROL													2
	23	0530	0550		NO FLARE PATROL													
783 MANI	23	0623E	0647		S10	E18	.336	11090	24.6	24D	--N	2		0625	.41	.44		1
784 MANI	23	0640	0652		S11	E27	.474	11090	25.3	12	--N	2		0643	.52	.58		1
	23	0708	0715		NO FLARE PATROL													
785 ABST	23	0724	0728	0726	N15	W46	.749	11084	19.9	4	--F	C	0726	.90	1.40		DJ	
786 ABST	23	0735E	0737D	0735	N11	W41	.679	11084	20.2	2D	1F	P	0735	1.80	2.40		EJ	
	23	0738	0745		NO FLARE PATROL													
GRP35787	23	0800	0832	0809	N10	W44	.712	11084	20.0	32	-N			1.71			3 3 3 4	
HTPR	23	0800	0830	0807	N10	W45	.724	11084	20.0	30	-N	C	0807	1.55	2.10		E	
CATA	23	0805E	0810D	0805	N09	W43	.697	11084	20.1	5D	-B		0805	.69	.98		204	
ABST	23	0812E	0833D	0814	N10	W45	.724	11084	20.0	21D	1N	P	0814	2.88	4.30		EJ	
789 RAMY	23	1158	1210	1200	N25	W56	.870	11084	19.3	12	--N	C		.31			DE	
GRP35791	23	1417	1422	1419	N20	E23	.522	11091	25.3	5	--F			.59			2 2 2 4	
HTPR	23	1416	1423	1418	N20	E23	.522	11091	25.3	7	-F	C	1418	.41	.50			
MONT	23	1418	1421	1419	N20	E22	.511	11091	25.2	3	-N	C	1419	.77				

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.												
	1970 DEC																	
GRP35792	23	1429	1450	1436	N13	W42	.698	11084	20.5	21	-N						3 3 3 5	
MONT	23	1428	1445D	1437	N12	W42	.694	11084	20.5	17D	1N	C	1437	1.82				
RAMY	23	1429	1500	1436U	N14	W42	.701	11084	20.5	31	-N	C		3.09				DE
HTPR	23	1430	1445	1436	N13	W43	.709	11084	20.4	15	-N	C	1436	1.34	1.40			E
2 STATIONS REPORTING GROUP 35793. 4 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35793	23	1456	1504	1458	N14	W46	.746	11084	20.2	8	--N			.42				2 2 2 6
CANR	23	1453	1502	1454	N14	W48	.768	11084	20.0	9	-N	2 C	1454	.43	.67			
RAMY	23	1458	1506D	1501	N14	W44	.724	11084	20.3	8D	-N	C		.41				DE
35793	23	1458	1510	1500	N24	W58	.882	11084	19.3	12	*-N			.42				2 2 2 6
CANR	23	1458	1510	1500	N22	W58	.878	11084	19.3	12	-N	2 C	1500	.32	.68			
RAMY	23	1458	1506D	1500	N25	W57	.878	11084	19.3	8D	-N	C		.52				DE
GRP35794	23	1733	1744	1736	S07	E11	.210	11090	24.6	11	--F							2 2 0 3
LOCK	23	1732	1743	1735	S06	E10	.187	11090	24.5	11	-F	C						
BOUL	23	1733	1744	1736	S07	E11	.210	11090	24.6	11	-N	1 V						
GRP35795	23	1831	1856	1837	N13	W47	.754	11084	20.2	25	--F			.93				2 2 1 3
LOCK	23	1830	1850	1837	N10	W46	.735	11084	20.3	20	-F	C						
RAMY	23	1831	1902D	1836	N15	W47	.760	11084	20.2	31D	-N	C		.93				DE
GRP35796	23	1959	2010	2002	N23	W56	.865	11084	19.6	11	--N			.32				2 2 1 2
BOUL	23	1959U	2010U	2002U	N24	W56	.868	11084	19.6	11D	-N	1 C	2002	.32	.65			
LOCK	23	1959	2010	2001	N22	W55	.855	11084	19.7	11	-N	C						
797 PALE	23	2054E	2055D	2055U	N16	W53	.822	11084	19.9	10	--F	C		.19				3
798 LOCK	23	2112	2125	2115	N23	W61	.901	11084	19.3	13	--F	C						3
	23	2150	2210	NO FLARE PATROL														
800 LOCK	23	2220	2227	2222	N16	W54	.831	11084	19.9	7	--F	C						2
4 STATIONS REPORTING GROUP 35801. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP35801	23	2315	2342	2318	N13	W46	.743	11084	20.5	27	-N			.32				2 2 1 3
LOCK	23	2315	2353D	2318	N11	W46	.738	11084	20.5	38D	-N	C						
CRON	23	2315	2330	2318	N14	W45	.735	11084	20.6	15	-N	1 C	2318	.32	.48			
35801	23	2315	0000	2343	N12	W47	.751	11084	20.4	45	*-F			.91				3 2 1 6
LOCK	23	2315	2353D	2345	N11	W46	.738	11084	20.5	38D	-F	C						
PALE	23	2339E	0000D	2341	N12	W47	.751	11084	20.5	21D	-N	C		.91				F
VORO	23	2352E	0004		N11	W50	.781	11084	20.2	12D	-B	C	2355	.93	1.40		70	E
GRP35802	24	0140	0148	0142	S11	E10	.232	11090	24.8	8	--F			.35				2 2 2 5
PALE	24	0140	0149	0142	S09	E09	.197	11090	24.7	9	-N	C		.19				
CRON	24	0142E	0147		S12	E11	.255	11090	24.9	5D	-F	V		.50				
GRP35804	24	0215	0222	0216	N16	W58	.866	11084	19.7	7	--N			.46				3 3 3 4
CRON	24	0214	0225	0215	N15	W57	.856	11084	19.8	11	-N	1 C	0215	.22	.42			
VORO	24	0215	0223	0216	N12	W58	.860	11084	19.7	8	-B	C	0216	.74	1.40		82	EH
MANI	24	0215E	0217		N20	W58	.874	11084	19.7	2D	-N	2	0216	.41	.76			
GRP35805	24	0730	0747	0732	N16	W56	.850	11084	20.1	17	-N			.49				3 3 3 5
TEHR	24	0647	0736D	0659	N15	W45	.739	11084	20.9	49D	-N	C		.28				DE
TEHR	24	0730	0736D	0735U	N16	W58	.866	11084	20.0	6D	-N	C		.28				F
CRON	24	0730	0743	0732	N14	W59	.871	11084	19.9	13	-N	1 C	0732	.32	.65			
CATA	24	0730	0750	0730	N14	W60	.879	11084	19.8	20	-N		0730	.87	1.85		158	
CRON	24	0734	0750	0736	N19	W59	.880	11084	19.9	16	-N	1 C	0736	.22	.45			
CATA	24	0735	0750	0735	N18	W59	.878	11084	19.9	15	-N		0735	.46	.99		174	
	24	1300	1345	NO FLARE PATROL														
	24	1352	1416	NO FLARE PATROL														
806 RAMY	24	1524	1544	1527	N14	W66	.923	11084	19.7	20	--F	C		.26				DE
807 BOUL	24	1740	1754	1743	N24	W68	.945	11084	19.6	14	-N	2 V						2
808 PALE	24	2134	2146	2138	S12	W12	.268	11090	24.0	12	--N	C		.36				F
809 PALE	24	2144	2152	2146	N18	W56	.854	11084	20.7	8	--F	C		.27				1
810 PALE	25	0220	0237D	0223	N13	W70	.946	11084	19.8	17D	-N	C		.63				F
811 PALE	25	0305	0329D	0310	N08	W68	.931	11084	20.0	24D	--F	C		.81				F





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	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.													
	1970																		
	DEC																		
	27	1027	1029	NO FLARE PATROL															
843	CANR	27	1034	1055	1048	S11	W36	.599	11090	24.7	21	--N	1	C	1048	.65	.81		1
844	CANR	27	1241	1251	1244	N25	W49	.816	11089	23.9	10	--N	1	C	1244	.22	.38		2
845	RAMY	27	1417	1431	1420	N18	E34	.631	11097	30.1	14	--F		C		.72		DE	2
846	BOUL	27	1835	1908	1836	N20	E90	1.000	11102	3.5	33	-N	1	V					2
	27	2145	2203	NO FLARE PATROL															
	27	2249	2311	NO FLARE PATROL															
	27	2320	2331	NO FLARE PATROL															
847	MANI	27	2331E	2346		N15	E88	1.000	11102	3.6	150	-N	2		2333	.31	.96		2
GRP35850	TEHR	28	0636	0648	0640	N12	E19	.404	11097	29.7	12	--N				.19			2 2 2 3
	CRON	28	0635	0647	0638U	N12	E18	.391	11097	29.6	12	-N		C		.27		DE	
		28	0636	0648	0642U	N12	E19	.404	11097	29.7	12	-N	2	C	0642	.11	.12		
GRP35854	RAMY	28	1307	1330	1307	S13	W07	.218	11095	28.0	23	--F				.58			2 2 2 5
	CAPS	28	1302	1327	1307	S13	W06	.209	11095	28.1	25	-F		C		.46		F	
		28	1312	1333		S13	W08	.227	11095	27.9	21	-F	3	V	1315	.70	.70		140
855	RAMY	28	1525	1543D		S12	E74	.960	11101	3.2	180	--F		C					3
GRP35856	RAMY	28	1626	1637	1629	N13	E13	.345	11097	29.7	11	--F				.52			2 2 1 4
	BOUL	28	1623	1636	1627	N11	E12	.309	11097	29.6	13	-F		C		.52		DE	
		28	1628	1637	1631	N14	E14	.367	11097	29.7	9	-N	2	V					
GRP35863	CATA	29	1123	1203	1133	S15	W19	.382	11095	28.0	40	--N				.57			4 3 3 7
	CANR	29	1120	1210	1135	S16	W19	.391	11095	28.0	50	-N			1135	.80	.88		178
	TEHR	29	1121	1124D		S15	W19	.382	11095	28.0		-F	2	V		.45	.50		
	RAMY	29	1127	1145	1129	S15	W20	.395	11095	28.0	18	-F		C		.28		DE	
		29	1135E	1213	1135E	S15	W19	.382	11095	28.1	380	-N		C		.62		DE	
GRP35865	HUAN	29	2021	2030	2022	S15	W28	.504	11095	27.7	9	--N				.12			3 3 1 5
	LOCK	29	2020	2031	2022	S15	W27	.490	11095	27.8	11	-N	2	C	2022	.12	.14		D
	BOUL	29	2020	2029	2023	S14	W27	.485	11095	27.8	9	-N		C				H	
		29	2022	2029	2022	S15	W29	.517	11095	27.7	7	-N	1	V					
GRP35866	HUAN	29	2056	2108	2100	S14	W24	.443	11095	28.1	12	-N				.90			3 3 2 4
	BOUL	29	2015	2154D	2058	S14	W24	.443	11095	28.0	990	-N	2	P	2058	1.36	1.50		E
	LOCK	29	2055	2108	2103	S13	W24	.437	11095	28.1	13	-N	1	C	2103	.43	.48		
		29	2056	2107	2100	S14	W23	.429	11095	28.1	11	-F		C					
GRP35868	BOUL	29	2124	2139	2131	S13	W23	.423	11095	28.2	15	--N				.20			3 3 2 4
	LOCK	29	2123	2139	2133	S13	W23	.423	11095	28.2	16	-N	1	C	2133	.21	.24		
	PALE	29	2125	2140	2130	S14	W23	.429	11095	28.2	15	-F		C					
		29	2127E	2139	2131U	S13	W22	.408	11095	28.2	120	-N		C		.19			
GRP35870	LOCK	29	2321	2330	2324	S14	W27	.485	11095	27.9	9	--F				.83			2 2 1 3
	PALE	29	2320	2332	2324	S14	W27	.485	11095	27.9	12	-F		C				F	
		29	2321	2328	2324	S14	W26	.471	11095	28.0	7	-N		C		.83			
GRP35871	CULG	30	0159	0302	0209	S13	E56	.832	11101	3.3	63	-N				.96			5 5 5 6
	PALE	30	0156	0301	0212	S14	E57	.842	11101	3.4	65	1N		C	0212	1.75	3.06		R
	VORO	30	0200	02140	0205	S12	E54	.812	11101	3.1	140	-N		C		.63			F
	MANI	30	0201	02210	0204	S11	E57	.840	11101	3.4	200	-B		C	0204	.84	1.40		67
	CRON	30	0205E	0303	0215U	S14	E56	.833	11101	3.3	560	-N	2		0212	.72	.96		EJ
		30	0210E	02190	0215U	S13	E55	.822	11101	3.2	90	-F	1	C	0215	.86	1.50		
GRP35873	CULG	30	0446	0544	0456	N18	W64	.916	11091	25.4	58	-N				1.17			2 2 2 4
	TEHR	30	0443	0551	0500	N18	W60	.888	11091	25.7	68	1N		C	0500	2.06			R
		30	0448	0537	0451	N18	W67	.934	11091	25.2	49	-N		C		.28		SDE	
877	CRON	30	0639E	0647	0640U	N04	E67	.922	11105	4.3	80	--F	1	C	0640	.22			4
GRP35879	CRON	30	0730	0747	0735	S14	E55	.823	11101	3.4	17	--N				.42			2 2 2 5
	MANI	30	0730	0744	0732	S14	E56	.833	11101	3.5	14	-N	1	C	0732	.22	.39		
		30	0733E	0750	0732	S14	E54	.814	11101	3.4	170	-N	2		0737	.62	.81		

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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. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
GRP35883	1970 DEC 30	1646	1655	1650	S13	W39	.642	11095	27.8	9	--N								5 5 4 5	
CANR	30	1644	1657		S13	W38	.629	11095	27.8	13	-N	1	V		.42	.30	.40			
LOCK	30	1646	1655	1649	S14	W40	.657	11095	27.7	9	-N		C							
RAMY	30	1646	1654	1651	S12	W38	.626	11095	27.8	8	-F		C		.41				DE	
MCMA	30	1647	1657	1649	S15	W38	.635	11095	27.8	10	-N		C	1649	.52	.70			DLR	
BOUL	30	1648	1654	1649	S13	W39	.642	11095	27.8	6	-N	1	C	1649	.43	.56				
GRP35884	30	1722	1729	1724	S14	W39	.644	11095	27.8	7	--F				.31				4 4 3 4	
LOCK	30	1720	1730	1724	S14	W40	.657	11095	27.7	10	-F		C							
MCMA	30	1722	1728	1723	S15	W38	.635	11095	27.9	6	-N		C	1723	.41	.60			DH	
BOUL	30	1723E	1728	1724	S13	W39	.642	11095	27.8	50	-F	1	C	1724	.21	.28				
RAMY	30	1724	1729	1726	S14	W38	.632	11095	27.9	5	-F		C		.31				DE	
GRP35885	30	1753	1801	1756	S14	W39	.644	11095	27.8	8	--F				.21				3 3 2 5	
MCMA	30	1751	1758	1753	S15	W38	.635	11095	27.9	7	-N		C	1753	.21	.30				
BOUL	30	1752	1800	1755	S13	W38	.629	11095	27.9	8	-F	1	C	1755	.21	.28			D	
LOCK	30	1756	1804	1800	S14	W40	.657	11095	27.7	8	-F		C							
GRP35886	30	1825	1846	1829	S14	W39	.644	11095	27.8	21	--N				.64				5 5 4 5	
RAMY	30	1825	1849	1829	S13	W38	.629	11095	27.9	24	-B		C		.62				DE	
LOCK	30	1825	1845	1829	S14	W40	.657	11095	27.8	20	-N		C							
MCMA	30	1825	1845	1827	S15	W39	.647	11095	27.8	20	-B		C	1827	.52	.70			DK	
MCMA	30	1825	1845	1840	S15	W39	.647	11095	27.8	20	-B		C							
BOUL	30	1826	1846	1828	S13	W39	.642	11095	27.8	20	-N	2	C	1828	.32	.42				
PALE	30	1830E	1845	1830U	S14	W38	.632	11095	27.9	15D	-N		C		1.08				F	
GRP35887	30	1915	1925	1918	S14	W40	.657	11095	27.8	10	--N				.30				5 5 4 5	
BOUL	30	1910	1915	1912	S13	W41	.667	11095	27.7	5	-F	1	C	1912	.21	.29				
PALE	30	1912	1925	1920U	S13	W40	.654	11095	27.8	13	-N		C		.45					
LOCK	30	1915	1925	1918	S14	W40	.657	11095	27.8	10	-N		C							
RAMY	30	1916	1927	1918	S13	W41	.667	11095	27.7	11	-N		C		.31				DE	
MCMA	30	1917	1919D	1918	S15	W40	.660	11095	27.8	20	-N		P	1918	.21	.30			D	
BOUL	30	1917	1923	1918	S13	W41	.667	11095	27.7	6	-N	1	C	1918	.21	.29				
GRP35889	30	2011	2018	2014	S14	W39	.644	11095	27.9	7	--F				.29				3 3 2 4	
BOUL	30	2010	2017	2013	S14	W37	.619	11095	28.1	7	-F	1	V							
MCMA	30	2011	2015D		S15	W40	.660	11095	27.8	40	-N		P	2012	.21	.30			D	
PALE	30	2011	2018	2014U	S14	W40	.657	11095	27.8	7	-F		C		.36				F	
GRP35892	30	2056	2108	2101	S13	W41	.667	11095	27.8	12	--N				.52				4 4 3 4	
PALE	30	2051	2106	2101	S13	W40	.654	11095	27.9	15	-N		C		.72					
PALE	30	2051	2106	2056	S13	W40	.654	11095	27.9	15	-N		C		.45				F	
RAMY	30	2057	2108	2100	S14	W41	.669	11095	27.8	11	-N		C		.41				DE	
BOUL	30	2058U	2109U	2100U	S13	W41	.667	11095	27.8	11D	-B	1	C	2100	.43	.58				
LOCK	30	2058	2108	2102	S13	W41	.667	11095	27.8	10	-F		C							
894 PALE	30	2307	2331	2310	S12	E52	.791	11101	3.9	24	--F		C		.27				F 3	
GRP35895	30	2307	2346	2318	N13	W13	.348	11097	30.0	39	--N				.48				2 2 2 4	
PALE	30	2307	2327	2309	N13	W14	.358	11097	29.9	20	-N		C		.45					
CRON	30	2322E	2342	2327	N13	W12	.338	11097	30.1	200	-N		V		.50					
PALE	30	2336	2350	2345U	N12	W14	.346	11097	29.9	14	-N		C		.27					
GRP35898	31	0241	0250	0244	S14	W45	.717	11095	27.7	9	--N				.50				3 3 3 4	
PALE	31	0236	0251	0243	S13	W44	.703	11095	27.8	15	-N		C		.45				F	
CRON	31	0243	0250	0244	S13	W46	.726	11095	27.7	7	-N	2	C	0244	.32	.46				
VORO	31	0243	0248	0244	S16	W46	.733	11095	27.7	5	-B		C	0244	.74	1.00		101	EJ	
GRP35900	31	0445	0457	0448	N12	W16	.371	11097	30.0	12	--N				.25				2 2 2 5	
TEHR	31	0442	0458	0445	N12	W16	.371	11097	30.0	16	-N		C		.28				DE	
CRON	31	0448	0455	0450	N12	W16	.371	11097	30.0	7	-N	1	C	0450	.22	.23				
	31	1715	1724	NO FLARE PATROL																
904 PALE	31	2035	2047	2040	N04	E41	.663	11105	3.9	12	--N		C		.36				DE 3	
GRP35905	31	2128	2155	2139	N03	E44	.699	11105	4.2	27	--F				.36				2 2 1 2	
LOCK	31	2120	2155	2134	N02	E46	.722	11105	4.3	35	-F		C							
PALE	31	2135	2155	2143	N04	E42	.676	11105	4.0	20	-N		C		.36				DE	
906 PALE	31	2253E	2253D	2253U	S14	W56	.833	11095	27.8		--F		C		.54				3	
907 PALE	31	2341	2347D	2345	N04	E43	.689	11105	4.2	60	--N		C		.19				3	

# SOLAR FLARES

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**Note:**

A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.

When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

**"Remarks":**

- |   |   |
|---|---|
| <p>A = Eruptive prominence, base at &gt;90°.<br/>         B = Probably the end of a more important flare.<br/>         C = Invisible 10 minutes before.<br/>         D = Brilliant point.<br/>         E = Two or more brilliant points.<br/>         F = Several eruptive centers.<br/>         G = No spots visible in the neighborhood.<br/>         H = Flare with high velocity dark surge.<br/>         I = Very extensive active region.<br/>         J = Plage with flare shows marked intensity variations.<br/>         K = Several intensity maxima.<br/>         L = Filaments show effects of sudden activation.<br/>         M = White-light flare.</p> | <p>N = Continuous spectrum shows effects of polarization.<br/>         O = Observations have been made in the calcium II lines H or K.<br/>         P = Flare shows helium D<sub>3</sub> in emission.<br/>         Q = Flare shows the Balmer continuum in emission.<br/>         R = Marked asymmetry in H<math>\alpha</math> line.<br/>         S = Brightening follows disappearance of filament (same position).<br/>         T = Region active all day.<br/>         U = Close and somewhat parallel bright filaments (    or Y shape).<br/>         V = Occurrence of an explosive phase.<br/>         W = Great increase in area after time of maximum intensity.<br/>         X = Unusually wide H<math>\alpha</math> emission.<br/>         Y = Onset of a system of loop-type prominences.<br/>         Z = Major sunspot umbra covered by flare.</p> |
|---|---|

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

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
701201	8.65	23.6	701211	111.24	24.0	701221	4.56	24.0
701202	96.89	24.0	701212	155.15	23.5	701222	67.86	23.4
701203	24.54	24.0	701213	99.29	23.8	701223	50.56	23.1
701204	50.53	23.8	701214	139.97	24.0	701224	2.16	22.9
701205	44.67	24.0	701215	16.18	24.0	701225	84.86	23.6
701206	17.06	24.0	701216	9.67	24.0	701226	20.26	22.7
701207	9.80	24.0	701217	6.04	24.0	701227	1.35	23.1
701208	34.48	23.7	701218	61.17	23.7	701229	4.27	24.0
701209	79.34	24.0	701219	52.46	23.6	701230	12.09	24.0
701210	250.23	24.0	701220	16.27	24.0	701231	0.00	23.9

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

SOLAR FLARES  
Unconfirmed  
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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 $\alpha$	MAX. INT. %		
241 CRON	1970 DEC 01	0218	0225	0219	N12	W76	.971	11048	25.4	7	-N	2	C	0219	.54				3
247 TEHR	01	0622	0652	0628	N06	W78	.978	11061	25.4	30	-N		C		.23				F 5
GRP35248	01	0705	0729	0709	S10	E47	.743	11063	4.8	24	-F				1.29				2 2 2 6
ABST	01	0702E	0736	0710	S10	E47	.743	11063	4.8	34D	1F		P	0710	2.25	3.40		50	EJ
CRON	01	0707	0721	0708	S09	E46	.730	11063	4.7	14	-N	1	C	0708	.32	.47			
249 CRON	01	0713	0718	0716U	S12	E63	.898	11066	6.0	5	-F	1	C	0716	.11				6
251 ARCE	01	0850E	0905		S11	E59	.865	11066	5.8	15D	-F		C	0855	.40	.80			7
253 HUAN	01	1635E	1646D	1637U	N12	W85	.996	11048	25.3	11D	-F	1	P	1637	.25				D 3
255 BOUL	01	1845	1853	1846	N13	W84	.994	11048	25.5	8	-F	2	V						3
261 TEHR	02	0532	0605	0539U	S07	E35	.585	11063	4.9	33	-N		C		.28				F 5
266 HUAN	02	1446	1457D	1452	N22	W01	.362	11060	2.5	11D	-N	2	P	1452	.12	.13			D 6
GRP35267	02	1446	1509	1454	N22	E17	.453	11060	3.9	23	-N				.29				2 2 2 6
HUAN	02	1442	1457D	1455	N22	E16	.443	11060	3.8	15D	-N	2	P	1455	.25	.27			D
CANR	02	1449	1509	1453	N21	E18	.451	11060	4.0	20	-N	3	C	1453	.32	.36			
270 HUAN	02	1808	1822D	1813	S08	E29	.503	11063	4.9	14D	-F	1	P	1813	.15	.18			D 3
276 CRON	03	0213	0220	0214	S17	E20	.446	11063	4.6	7	-F	2	C	0214	.22	.24			5
281 CRON	03	0748E	0757		S18	E70	.947	11069	8.6	9D	-F		V		.60				5
GRP35282	03	0959	1013	1000	N20	E05	.341	11060	3.8	14	-F				.46				2 2 2 8
TEHR	03	0957	1016	0959	N20	E04	.338	11060	3.7	19	-F		C		.45				DE
CATA	03	1000	1010	1000	N20	E05	.341	11060	3.8	10	-N			1000	.46	.49		151	
284 CANR	03	1150	1204		N15	W12	.319	11060	2.6	14	-F	2	V		.50	.60			5
285 CANR	03	1154	1154D		S12	E45	.725	11066	6.9		-F	2	V		.30	.40			5
287 RAMY	03	1610	1622	1612	S09	E27	.478	11066	5.7	12	-F		C		.31				DE 4
291 BOUL	03	2150	2204	2150	S10	E19	.370	11063	5.3	14	-F	1	V						2
293 PALE	03	2345	2357	2347	S08	E38	.627	11066	6.8	12	-F		C		.36				F 6
295 CRON	04	0306	0322	0308	S09	E18	.347	11066	5.5	16	-N	2	C	0307	.22	.23			5
296 PALE	04	0307	0327	0310	N07	E18	.327	11065	5.5	20	-N		C		.27				H 5
297 MITK	04	0322	0355	0329	S08	E85	.996	11070	10.5	33	1N		C	0329	.83				D 5
298 CATA	04	0905	0935	0910	N22	W03	.369	11060	4.2	30	-F			0910	.58	.63		148	9
GRP35300	04	1112	1123	1115	S18	E01	.318	11063	4.5	11	-F				.66				2 2 2 7
HTPR	04	1112	1120	1115	S18	E02	.320	11063	4.6	8	-F		C	1115	.72	.80			E
CAPS	04	1114E	1125		S18	E00	.318	11063	4.5	11D	-F	3	V	1115	.60	.60		145	C
302 RAMY	04	1402E	1412		N19	E87	.999	11073	11.1	10D	-N		C						DE 7
304 CANR	04	1511	1519	1513	S10	E14	.300	11066	5.7	8	-N	2	C	1513	.43	.43			5
306 BOUL	04	1544	1551	1546	N17	E88	.999	11073	11.3	7	-N	1	V						4
307 HUAN	04	1654	1659	1656	S17	W03	.305	11063	4.5	5	-F	1	C	1656	.21	.22			D 4
308 HUAN	04	1814	1819	1815	N24	W09	.423	11060	4.1	5	-F	1	C	1815	.25	.27			D 5
310 HUAN	04	1920	1935	1925U	S11	E73	.958	11070	10.3	15	-F	1	C	1925	.25				D 5
311 HUAN	04	1920E	1944D	1932	S20	E01	.351	11063	4.9	24D	-N	2	P	1932	.15	.17			D 5
314 MANI	05	0135	0143	0137	S19	W03	.336	11063	4.8	8	-N	2		0137	.31	.33			6
320 TEHR	05	0656	0735	0700	S16	W11	.337	11063	4.5	39	-N		V		.28				DE 5
GRP35321	05	0751	0804	0755	S09	E07	.203	11066	5.9	13	-N				.47				2 2 2 6
CATA	05	0750	0805	0755	S10	E06	.208	11066	5.8	15	-N			0755	.58	.59		157	
TEHR	05	0752	0802	0754	S08	E07	.189	11066	5.9	10	-N		V		.36				DE



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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. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
392 CANR	07	1230U	1242	1234	N14	E62	.890	11073	12.2	12D	-N	1	C	1234	.54	1.18			5
393 UCCL	07	1235	1251	1240	S12	E43	.699	11070	10.7	16	-F		C	1240	.52	1.00		D	5
399 LOCK	07	2125	2200	2135	N12	E82	.991	11077	14.0	35	-F		C					K	4
400 LOCK	07	2125	2200	2145	N12	E82	.991	11077	14.0	35	-F		C					K	4
401 HUAN	07	2138E	2145D	2140	S10	E30	.523	11070	10.2	7D	-F	1	P	2140	.76	.90		E	4
402 LOCK	07	2322	2329	2324	N10	E82	.991	11077	14.1	7	-F		C					H	4
404 MANI	08	0121	0135	0124	S10	E35	.591	11070	10.7	14	-N	2		0124	.21	.26			4
411 TEHR	08	1017	1038	1019	N13	W54	.820	11060	4.4	21	-F		C		.09			DE	5
412 CANR	08	1110E	1120		N13	E77	.976	11077	14.2	10D	-N	2	V		.25	.60			6
416 BOUL	08	1601	1610	1602	N13	E80	.986	11077	14.7	9	-F	1	V						4
418 LOCK	08	1649	1655	1651	N11	E51	.786	11073	12.5	6	-F		C						4
419 BOUL	08	1727	1733	1728	N13	E66	.918	11077	13.7	6	-F	1	C	1728	.11				4
420 BOUL	08	1740	1748	1742	N13	E50	.780	11073	12.5	8	-F	1	C	1742	.32	.52			4
423 PALE	08	1958E	1958D	1958U	S10	E20	.379	11070	10.3		-F		C		.36			F	4
427 BOUL	08	2058	2230	2100	S10	E90	1.000	11080	15.6	92	1F	1	V						2
432 MANI	09	0052E	0114		N13	E78	.979	11077	14.9	22D	-N	2		0053	.41	1.02			5
433 MANI	09	0100	0106	0102	N16	W80	.986	11060	3.0	6	-N	2		0102	.21	.53			5
435 MANI	09	0320	0326D		N11	E62	.888	11077	13.8	6D	-N	2		0322	.21	.40			5
438 CRON	09	0710	0726		N10	E75	.967	11077	14.9	16	-F		V						5
GRP35441	09	0759	0804	0801	N13	E42	.690	11073	12.5	5	-B				.37			2 2 2	6
CRON	09	0758	0802	0759	N10	E40	.657	11073	12.3	4	-N	1	C	0759	.22	.29			
MANI	09	0800	0805D	0803	N15	E44	.720	11073	12.6	5D	-B	2		0803	.52	.76			
444 ARCE	09	0945	1000D	0955	N19	E38	.668	11073	12.3	15D	-F		C	0955	.50	.60			6
GRP35445	09	1027	1044	1029	N14	E35	.607	11073	12.1	17	-F				.21			2 2 2	6
HPR	09	1026	1042	1029	N14	E36	.620	11073	12.1	16	-F		C	1029	.21	.30		E	
CANR	09	1027	1045		N14	E33	.582	11073	11.9	18	-F	2	V		.20	.30			
447 HUAN	09	1145E	1157	1145U	S07	E13	.253	11070	10.5	12D	-F	1	P	1145	.10	.11		D	3
448 HUAN	09	1145E	1201D	1153	S11	E17	.344	11070	10.8	16D	-F	1	P	1153	.51	.53		D	5
449 CANR	09	1205	1300		S06	E85	.996	11080	15.9	55	-F	2	V		.25	.70			4
450 CANR	09	1225	1250		N03	E85	.996	11077	15.9	25	-F	1	V		.10	.30			4
452 HUAN	09	1329E	1335	1330	N13	E68	.931	11077	14.7	6D	-F	1	P	1330	.12			D	4
457 BOUL	09	1558	1601	1558	N17	E28	.537	11073	11.8	3	-F	1	V						3
462 BOUL	09	1851	1855	1853	N13	E62	.889	11077	14.4	4	-F	1	V						3
470 PALE	10	0059	0105	0100	N16	E55	.835	11077	14.2	6	-F		C		.45			HF	6
472 MANI	10	0310	0332		N12	E59	.864	11077	14.6	22	-F	2		0312	.31	.56			6
473 MITK	10	0315	0335D	0326	S12	E80	.985	11080	16.1	20D	-F		C	0326	.52			E	6
474 MANI	10	0408	0414		N12	E58	.856	11077	14.5	6	-F	2		0410	.31	.55			4
476 CRON	10	0513	0527		N05	W85	.996	11065	3.8	14	-N		V		.30				3
477 MANI	10	0736	0748		S05	W06	.133	11070	9.9	12	-N	2		0741	.41	.42			7
479 MONT	10	0842	0855	0848	N09	E59	.861	11077	14.8	13	-N		C	0848	1.13				7
484 HUAN	10	1305	1314D	1311	S08	E72	.952	11080	15.9	9D	-F	1	P	1311	.40			E	5
502 SIBE	11	0359E	0415	0359	N20	E30	.584	11077	13.4	16D	1F		V	0359	1.86	2.34	64	BEJ	5

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	DATE 1970 DEC	START	END		APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %	
504 MANI	11	0451	0500		S08	W08	.191	11070	10.6	9	-N	2	0455	.31	.32			3	
510 ARCE	11	0824	0830	0825	N12	E40	.664	11077	14.3	6	-F	C	0825	.34	.50			12	
514 CANR	11	1227	1235	1231	N10	E33	.565	11077	14.0	8	-N	2	C	1231	.22	.26		7	
521 BOUL	11	1623	1716	1636	S10	W18	.347	11070	10.3	53	-N	1	V					3	
522 BOUL	11	1650	1721	1652	N12	E03	.220	11073	11.9	31	-F	2	V					3	
528 PALE	11	1948	1957	1949	N20	E07	.366	11073	12.4	9	-F	C		.27			DE	5	
539 CANR	12	1200E	1250		N14	E29	.532	11077	14.7	50D	-N	2	V		.50	.60		5	
542 HUAN	12	1437	1459	1445	S08	W31	.527	11070	10.3	22	-F	2	C	1445	.21	.24		E	7
550 HUAN	12	2027	2039D	2037U	N01	E40	.643	11077	15.9	12D	-F	2	C	2037	.56	.73		E	4
554 LOCK	12	2325	2347	2332	N19	W09	.365	11073	12.3	22	-F	C						4	
559 PALE	13	0236	0258	0242U	S05	E37	.605	11080	15.9	22	-F	C		.36			F	4	
564 CANR	13	1017	1028		N12	E12	.298	11077	14.3	11	-F	3	V		.55	.60		5	
569 BOUL	13	1604	1610	1606	N12	E07	.249	11077	14.2	6	-N	2	V					4	
570 BOUL	13	1639	1646	1641	N12	E08	.257	11077	14.3	7	-F	1	V					3	
578 PALE	14	0114	0117D	0116U	N12	E02	.223	11077	14.2	3D	-F	C		.27			F	5	
580 PALE	14	0222	0237	0226	N08	E00	.152	11077	14.1	15	-F	C		.36			F	5	
589 CANR	14	1525	1540		S04	W56	.829	11070	10.4	15	-N	1	V		.30	.40		3	
595 RAMY	14	1849E	1858	1849E	S03	W57	.839	11070	10.5	9D	-F	C		.31			DE	4	
599 PALE	14	2222	2233	2229	S03	W58	.848	11070	10.6	11	-F	C		.27			H	4	
601 HTPR	15	0845	0850	0845	S04	W67	.920	11070	10.3	5	-F	C	0845	.31	.60			6	
604 CANR	15	1213	1222	1216	N16	E63	.902	11084	20.2	9	-N	2	C	1216	.32			4	
606 HUAN	15	1425	1437D	1429	S10	E04	.173	11080	15.9	12D	-F	1	P	1429	.30	.30		E	3
614 MANI	16	0120E	0132		N10	W21	.401	11077	14.5	12D	-N	2		0120	.83	.90		4	
616 CRON	16	0746	0811	0757	N10	W26	.471	11077	14.4	25	-N	1	C	0756	.32	.37		6	
GRP35617	16	0900	0928	0904	N05	W08	.174	11077	15.8	28	-F			.60			2 2 2	8	
ABST	16	0900	0930	0903	N05	W08	.174	11077	15.8	30	-F	P	0903	.90	.90		D		
CATA	16	0900E	0925	0905	N05	W08	.174	11077	15.8	25D	-N		0905	.29	.29	52 164			
618 TEHR	16	0905	0936	0909	S11	W80	.985	11070	10.4	31	-N	C		.59			DE	8	
619 CANR	16	0905	0928	0909	N10	E75	.968	11084	22.0	23	-N	2	C	0909	.22			8	
620 CRON	16	0949	0957	0951	S04	W79	.981	11070	10.5	8	-N	1	C	0950	.54			7	
621 CANR	16	1116E	1135		S15	E80	.985	11087	22.5	19D	-N	2	V		.20	.60		6	
623 RAMY	16	1208	1216		S15	E85	.996	11087	22.9	8	-F	C					DE	4	
624 HUAN	16	1222	1244D	1234	S13	E89	1.000	11087	23.2	22D	-F	1	P	1234	.10			D	6
625 HUAN	16	1435	1443	1438	N04	W13	.241	11077	15.6	8	-N	1	C	1438	.25	.25		E	4
628 BOUL	16	1804	1808	1804	S08	E30	.510	11085	19.0	4	-F	2	V					4	
629 HUAN	16	1823	1830	1825	N09	W29	.509	11077	14.6	7	-F	1	C	1825	.30	.35		D	4
631 HUAN	16	2024E	2038	2029	N12	W74	.964	11073	11.3	14D	-F	1	P	2029	.21			D	3
634 CRON	17	0620	0638	0624	N09	E42	.683	11084	20.4	18	-N	2	C	0624	.22	.30		4	
635 CRON	17	0754	0816	0801	N17	E44	.731	11084	20.6	22	-N	2	C	0801	.32	.47		5	
636 ARCE	17	0834E	0900D		N13	E38	.646	11084	20.2	26D	-F	C	0834	.61	.80		7		

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	DATE 1970 DEC	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. %	
GRP35637	17	0932	0946	0934	N17	E36	.641	11084	20.1	14	-F							2 2 2 8
CRON	17	0932	0940	0933	N16	E36	.636	11084	20.1	8	-F	1	C	0933	.25	.28		
TEHR	17	0932	0951	0935	N17	E35	.629	11084	20.0	19	-N		C		.22			SF
638 ARCE	17	0933E	0938D		S16	W90	1.000	11070	10.6	50	-N		P	0933	.34			8
640 TEHR	17	1027	1050	1034	N05	W23	.403	11077	15.7	23	-N		C		.28			DE 7
641 HUAN	17	1247	1256	1248	N03	W25	.428	11077	15.7	9	-N	2	C	1248	.15	.17		E 9
644 RAMY	17	1656E	1939	1711	N15	W80	.987	11073	11.7	1630	-F		C					DE 4
647 HUAN	17	2020E	2035D	2023	N12	E32	.565	11084	20.2	150	-N	2	P	2023	.40	.50		E 4
651 PALE	17	2204	2223	2205	N15	E66	.922	11088	22.9	19	-F		C		.19			F 4
653 LOCK	17	2242	2248	2244	N10	E35	.596	11084	20.6	6	-F		C					4
654 PALE	17	2256E	0000D	2359U	N10	E34	.583	11084	20.5	640	-F		C		.45			F 5
656 PALE	18	0054	0106	0055	N11	E32	.561	11084	20.4	12	-N		C		.72			F 5
659 PALE	18	0317	0324	0318	S14	E07	.250	11083	18.7	7	-F		C		.36			HF 6
660 CRON	18	0323E	0330	0323E	N17	E36	.642	11084	20.8	70	-F		V		.40			6
662 ABST	18	0608	0620	0610	N14	E27	.512	11084	20.3	12	1N		C	0610	1.80	2.10	80	EJ 4
663 TEHR	18	0635	0704	0641	N16	E24	.490	11084	20.1	29	-F		C		.36			DE 5
664 CRON	18	0647	0658	0649	S09	E82	.990	11090	24.4	11	-N	2	C	0649	.22			5
665 TEHR	18	0750	0820	0754	N18	E21	.473	11084	19.9	30	-N		C		.36			FDE 5
667 TEHR	18	0915	0925	0918	N14	E25	.486	11084	20.3	10	-F		C		.28			DE 5
668 CRON	18	0936E	0952		S09	E85	.996	11090	24.8	160	-N		V		.40			6
669 CRON	18	0936E	0943		S10	E04	.167	11083	18.7	70	-N		V		.50			6
674 HUAN	18	1409E	1421	1409U	S10	E01	.153	11083	18.7	120	-F	1	P	1409	.33	.33		E 6
676 HUAN	18	1517	1532	1520	S10	W01	.153	11083	18.6	15	-F	1	C	1520	.25	.25		D 5
688 CRON	19	0454	0529	0457U	N12	E46	.739	11088	22.7	35	-N	2	C	0457	.11	.16		5
693 TEHR	19	0924	0940	0927	S08	E70	.940	11090	24.6	16	-N		C		.28			DE 9
694 MONT	19	0931	0937	0932	N26	E03	.462	11084	19.6	6	-N		C	0932	1.13			9
695 ARCE	19	1005E	1005D		N22	E02	.398	11084	19.6		-F		P	1005	.76	.80		9
696 TEHR	19	1110	1130	1114	S10	E70	.940	11090	24.7	20	-N		C		.45			DE 7
697 HTPR	19	1113	1117	1114	N25	E03	.447	11084	19.7	4	-F		C	1114	.21	.20		7
699 RAMY	19	1210	1223	1213	S21	E60	.880	11090	24.0	13	-N		C		.41			DE 6
GRP35700	19	1210	1229	(1225)	N20	E60	.887	11089	24.0	19	-F		V		.50			2 2 1 6
CANR	19	1210	1230		N20	E59	.880	11089	23.9	20	-N	2	V		.50	1.10		
ONDR	19	1223E	1228		N20	E60	.887	11089	24.0	50	-F		V	1225			1.30	CD
701 TEHR	19	1211	1226	1212	N21	E70	.951	11091	24.8	15	-N		C		.28			DE 6
702 ONDR	19	1213E	1220		N09	W77	.976	11077	13.7	70	-F		V	1215			1.60	DG 6
705 HUAN	19	1426	1541	1441	N25	W02	.446	11084	19.5	75	-F	1	C	1441	.45	.50		E 4
707 HUAN	19	1438	1501	1445	S15	W88	.999	11081	13.0	23	-N	1	C	1445	.33			D 4
710 HUAN	19	1637E	1658D	1641	S14	W88	.999	11081	13.1	210	-F	1	P	1641	.15			D 3
714 BOUL	19	1958	2045	1959	S15	W85	.996	11078	13.5	47	-N	1	V					3
716 RAMY	19	2020	2026D	2021U	S20	E56	.846	11090	24.0	60	-F		C		.31			DE 4
730 ABST	20	0938	0957	0941	N23	W13	.463	11084	19.4	19	-F		C	0941	.90	1.00		DJ 5



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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. %		
GRP35731	20	1001	1046	1004	N19	E48	.782	11089	24.0	45	-F								2 1 1 7
ABST	20	1001	1046	1004	N19	E48	.782	11089	24.0	45	-F	G	1004	.81	1.30				D
CRON	20	1017	1020	1017	N18	E49	.788	11089	24.1	3	-N	V		.40					
4 STATIONS REPORTING GROUP 35733. 3 STATIONS OBSERVING AND NOT REPORTING.																			
GRP35733	20	1032	1105	1036	N24	W09	.453	11084	19.8	33	-N			.44					2 2 2 7
TEHR	20	1032	1105D	1036	N24	W10	.459	11084	19.7	33D	-N	C		.28					DE
CRON	20	1037E	1037D		N23	W07	.430	11084	19.9		-N	V		.60					
734 WEND	20	1255	1318D		N17	E64	.911	11091	25.3	23D	1N	V		3.09					3
735 WEND	20	1306	1314		N18	E47	.768	11089	24.1	8	-N								3
736 HUAN	20	1413E	1425D	1425U	N19	E66	.927	11091	25.5	12D	-N	2 P	1425	.25					D 4
740 HUAN	20	1651	1749D	1724	N19	E64	.914	11091	25.5	58D	-N	2 P	1724	.25					E 3
752 MANI	21	0050	0108	0053	S10	E10	.225	11087	21.8	18	-N	2	0053	.52	.52				4
753 MANI	21	0601	0608	0603	N10	W08	.244	11084	20.7	7	-N	2	0603	.41	.43				5
754 ARCE	21	0803E	0813		N21	W23	.529	11084	19.6	10D	-F	C	0803	.34	.50				4
756 RAMY	21	1300	1315D	1301	S11	E48	.749	11090	25.1	15D	-F	C		.41					DE 4
762 BOUL	21	2027	2039	2028	N24	W31	.637	11084	19.5	12	-F	1 V							3
769 PALE	22	0204	0222	0208	N13	W25	.483	11084	20.2	18	-N	C		.27					4
GRP35773	22	1133	1158	1136	N20	W45	.757	11084	19.1	25	-F			1.08					2 1 1 6
ABST	22	1133	1158D	1136	N20	W45	.757	11084	19.1	25D	-F	P	1136	1.08	1.70				E
UCCL	22	1142	1155	1150	N25	W45	.779	11084	19.1	13	-F	C	1150	.52					DJ
788 CATA	23	0955	1000	0955	N14	W45	.735	11084	20.0	5	-N		0955	.14	.22		166		3
790 RAMY	23	1337	1347	1340	S10	E15	.292	11090	24.7	10	-F	C		.21					DE 4
799 LOCK	23	2116	2130	2122	S10	E08	.197	11090	24.5	14	-F	C							4
803 PALE	24	0200	0207	0203	N13	W54	.825	11084	20.0	7	-N	C		.19					5
815 TEHR	25	1055	1115	1100	N13	W68	.934	11084	20.4	20	-F	C		.36					F 5
819 HUAN	25	1529	1542	1532	N13	W74	.966	11084	20.1	13	-F	1 C	1532	.10					D 4
820 HUAN	25	1542	1601D	1555	N12	E53	.814	11097	29.6	19D	-F	1 P	1555	.21	.35				E 4
822 HUAN	25	1754E	1756D	1754U	N13	E51	.797	11097	29.6	2D	-F	1 P	1754	.12	.20				D 3
823 HUAN	25	1914	1917D	1916	N13	W75	.970	11084	20.2	3D	-N	1 P	1916	.25					D 3
825 HUAN	25	2135E	2156	2145	S21	E28	.547	11094	28.0	21D	-N	1 P	2145	.21	.25				D 3
GRP35829	26	0930	1031	0938	N20	E72	.961	11098	31.8	61	1N			.90					2 1 1 8
ABST	26	0930E	1031	0938	N21	E75	.974	11098	1.0	61D	1N	P	0938	.90				68	DJK
WEND	26	1021	1026		N18	E68	.939	11098	31.5	5	-N								
830 ABST	26	0941	0943	0942	N13	W89	1.000	11084	19.7	2	1F	P	0942	.90				54	ADV 8
831 CANR	26	1014	1014D		N29	W32	.692	11089	24.0		-F	2 V		.50	.50				8
832 ABST	26	1015	1041D	1019	N27	W36	.712	11089	23.7	26D	1F	P	1019	2.07	2.90			48	EJ 8
833 WEND	26	1029	1040		N13	W86	.998	11084	20.0	11	1N	V		4.13					8
834 RAMY	26	1136	1139D	1138	N13	W90	1.000	11084	19.7	3D	-N	C							DE 4
835 RAMY	26	1147	1208	1150	N30	W35	.725	11089	23.9	21	-F	C							DE 6
836 RAMY	26	1217	1256	1227	N22	E73	.967	11098	1.0	39	-N	C		.62					DE 4
837 RAMY	26	1223	1237	1226	N17	W89	1.000	11084	19.8	14	-N	C							DE 4
838 RAMY	26	1230	1239	1232	N10	W90	1.000	11084	19.8	9	-F	C							DE 4
840 PALE	26	2352	0000	2354	N15	W12	.358	11091	26.1	8	-F	C		.27					F 4
848 CRON	27	2334E	2340	2336	N12	E28	.519	11097	30.1	6D	-N	V		.30					3

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	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
849 TEHR	28	0355E	0442	0402U	S24	W01	.367	11094	28.1	47D	-N	C		.73				F	5
851 CRON	28	0755E	0804		N21	E80	.989	11102	3.3	9D	-N	V		.50					4
852 CATA	28	0940	0955	0940	S24	W04	.372	11094	28.1	15	-F		0940	.17	.19		130		6
853 RAMY	28	1232	1247	1236	S12	E75	.965	11101	3.1	15	-F	C		.31				DE	5
857 BOUL	28	1639U	1655U	1645U	S14	W07	.232	11095	28.2	16D	-N	1 C	1645	.43	.43				4
858 MANI	29	0120	0132		N23	E72	.964	11102	3.5	12	-N	2	0122	.41	.98				3
859 PALE	29	0204E	0209D	0205U	N13	E12	.336	11097	30.0	5D	-F	C		.41				F	6
860 MANI	29	0210E	0215		N09	E07	.234	11097	29.6	5D	-N	2	0212	.62	.64				5
GRP35861	29	1015	1050	1020	S11	W59	.858	11090	25.0	35	-N			.23				1 1 1 5	
CATA	29	1015E	1050D	1020	S11	W62	.883	11090	24.8	35D	-N		1020	.23	.51		155		
CATA	29	1020	1050D	1020	S11	W57	.840	11090	25.2	30D	-F		1020	.14	.27		143		
862 TEHR	29	1051	1103	1053	S08	E55	.819	11101	2.6	12	-F	C		.28				DE	4
864 BOUL	29	1832U	1851U	1840U	S14	W24	.443	11095	28.0	19D	-F	1 C	1840	.32	.36				4
867 HUAN	29	2123	2145	2136	S11	W69	.933	11090	24.7	22	-F	1 C	2136	.30				E	4
869 BOUL	29	2234	2236		S13	W24	.437	11095	28.1	2	-F	1 V							3
872 CRON	30	0358	0410		N19	W65	.924	11091	25.3	12	-N	V		.80					5
874 MANI	30	0527	0536	0529	S15	W30	.530	11095	28.0	9	-N	2	0529	.41	.49				4
875 CRON	30	0552	0558	0555	S14	W28	.498	11095	28.1	6	-F	V		.25					5
876 CRON	30	0613	0618		N13	E60	.880	11105	3.8	5	-F	V		.30					4
878 CRON	30	0714	0728	0720	S13	W31	.535	11095	28.0	14	-F	V		.30					4
880 TEHR	30	0842	0856	0842	S13	W32	.549	11095	28.0	14	-F	C		.28				DE	5
881 RAMY	30	1153	1232	1205	N14	W16	.392	11097	29.3	39	-N	C		.31				DE	4
882 RAMY	30	1347	1433	1405	N17	W70	.950	11091	25.3	46	-F	C						DE	5
888 RAMY	30	1959	2008D		N16	W72	.959	11091	25.4	9D	-F	C						DE	5
890 BOUL	30	2023	2034	2026	S12	W35	.586	11095	28.2	11	-F	1 V							3
891 PALE	30	2040	2113	2056	S14	E44	.705	11101	3.2	33	-F	C		.27					4
893 BOUL	30	2121	2127	2124	S13	W38	.629	11095	28.0	6	-F	1 V							4
896 PALE	31	0026	0041	0032	N13	W15	.371	11097	29.9	15	-F	C		.36				F	4
897 PALE	31	0229	0240	0234	N12	W22	.445	11097	29.5	11	-N	C		.54				DE	4
899 PALE	31	0252	0301	0255	N12	W16	.371	11097	29.9	9	-F	C		.27				F	4
901 CRON	31	0816E	0828	0820	S16	W47	.744	11095	27.8	12D	-N	V		.30					6
902 HTPR	31	0940	0954	0948	S13	W45	.715	11095	28.0	14	-N	C	0948	1.03	1.50			E	5
903 HTPR	31	1315	1322	1317	S13	W46	.726	11095	28.1	7	-F	C	1317	.62	.90			E	4