

SOLAR FLARES
Confirmed
APRIL 1972

OBSERV- ATORY	OBSERVED UT				LOCATION				DURA- TION — 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 _g		MAX. INT. %	
					LAT.	MER. DIST.													
	1972 APR																		
GRP43547	01	1046	1101	1052	S15	W42	.670	11794	29.3	15	--F			.31				3 3 2 7	
TEHR	01	1045E	1107	1057	S15	W41	.657	11794	29.4	220	-F	2	C					DH	
ATHN	01	1047	1056	1050	S15	W44	.694	11794	29.1	9	-F	3	C	.33				D	
RAMY	01	1047E	1101	1050	S15	W42	.670	11794	29.3	140	-F	2	C	.28				D	
GRP43548	01	1142	1156	1146	S15	W43	.682	11794	29.3	14	--F			.30				4 4 3 6	
TEHR	01	1140	1148D	1145	S15	W41	.657	11794	29.4	80	-N	3	C					FH	
RAMY	01	1141	1200	1149	S15	W42	.670	11794	29.3	19	-F	2	C	.37				DH	
HTPR	01	1143	1150	1144	S12	W44	.691	11794	29.2	7	-F		C	1144	.21	.30			
ATHN	01	1145	1158	1147	S16	W44	.696	11794	29.2	13	-F	3	C	.33				DH	
GRP43552	02	0608	0625	0611	S13	W53	.794	11794	29.3	17	--F			.63				2 2 2 4	
CRON	02	0607	0620	0611	S13	W52	.783	11794	29.4	13	-F	1	C	0611	.32	.52			
MANI	02	0609	0630	0610	S13	W54	.804	11794	29.2	21	-N	2		0610	.93	1.52			
	02	2340	2349	NO FLARE PATROL															
	02	2352	0015	NO FLARE PATROL															
GRP43557	03	1032	1051	1039	S12	E87	.997	11806	10.0	19	--N			.27				3 3 2 6	
HTPR	03	1031	1048	1040	S15	E90	1.000	11806	10.2	17	-F		C	1040	.21				
ATHN	03	1032	1050	1037	S11	E87	.997	11806	10.0	18	-N	2	C	.33				D	
TEHR	03	1041E	1054		U	S09	.993	11806	9.7	13D	-N	3	C					D	
	03	2233	2238	NO FLARE PATROL															
559 MANI	03	2311E	2315	2311	S09	E70	.936	11806	9.2	4D	--F	2		2311	.62	1.33		1	
	03	2315	2341	NO FLARE PATROL															
	04	0013	0040	NO FLARE PATROL															
GRP43565	05	0502	0511	0505	S10	W21	.360	11799	3.6	9	--N			.79				3 3 3 5	
ATHN	05	0501	0513	0503	S10	W22	.376	11799	3.6	12	-N	2	C	.83				D	
MANI	05	0502E	0509	0505	S11	W21	.363	11799	3.6	7D	-N	2		0505	1.03	1.11			
TEHR	05	0503	0510	0506	S10	W19	.328	11799	3.8	7	-N	2	C	.52				FH	
566 ATHN	05	0508	0513	0510	N02	W32	.545	11803	2.8	5	--F	2	C	.33				D 4	
567 ATHN	05	0545	0552	0546	S07	W29	.482	11803	3.1	7	--F	2	C	.17				D 3	
	05	1940	1946	NO FLARE PATROL															
	05	1958	2036	NO FLARE PATROL															
	05	2244	2250	NO FLARE PATROL															
GRP43577	06	1202	1231	1204	S07	E79	.979	11813	12.4	29	--F			.26				2 2 2 5	
RAMY	06	1200E	1230	1201	S06	E78	.976	11813	12.4	30D	-F	4	C	.31				D	
HTPR	06	1204	1213	1206	S07	E80	.983	11813	12.5	9	-F		C	1206	.21				
HTPR	06	1220	1232	1223	S07	E80	.983	11813	12.5	12	-F		C	1223	.21				
GRP43579	06	1319	1331	1322	S08	E77	.972	11813	12.3	12	--F			.22				5 5 5 8	
ARCE	06	1300E	1325D		S07	E78	.976	11813	12.4	25D	-N		C	1310	.15			T	
CAPS	06	1313E	1322D		S10	E75	.962	11813	12.2	9D	-F		V	1313	.30			D	
CATA	06	1320	1330	1320	S11	E78	.975	11813	12.4	10	-N		C	1320	.23				
RAMY	06	1321	1335	1324	S06	E78	.976	11813	12.4	14	-F	4	C	.21				D	
HTPR	06	1322	1328	1323	S07	E78	.976	11813	12.4	6	-F		C	1323	.21				
GRP43580	06	1539	1603	1546	N17	E40	.718	11807	9.7	24	-N			.98				6 6 5 6	
LOCK	06	1535	1605	1545	N16	E40	.712	11807	9.6	30	-N		C						
HUAN	06	1539	1558	1547	N17	E40	.718	11807	9.7	19	-N	1	C	1547	.72	1.02		E	
CATA	06	1540	1545D	1545	N16	E45	.764	11807	10.0	5D	-N		P	1545	1.16	1.67		164	
RAMY	06	1540	1606	1547	N17	E39	.707	11807	9.6	26	-F	2	C		1.11			D	
CANR	06	1541	1602	1545	N18	E40	.723	11807	9.7	21	-N	2	V	1543	1.00	1.20			
MCMA	06	1545E	1605D	1546	N17	E37	.686	11807	9.4	20D	-N		C	1546	.93	1.30		E	
GRP43581	06	1831	1903	1849	N17	E40	.718	11807	9.8	32	--F			.21				2 2 1 4	
LOCK	06	1830	1910	1845	N16	E40	.712	11807	9.8	40	-F		C					H	
HUAN	06	1831	1840	1834U	N18	E39	.713	11807	9.7	9	-F	1	C	1834	.21	.29		D	
HUAN	06	1851E	1856		N18	E39	.713	11807	9.7	5D	-F	1	P	1853	.26	.37		C	
GRP43582	07	0028	0053	0032	N19	E37	.699	11807	9.8	25	-B			1.03				3 3 3 5	
CULG	07	0027	0116	0032	N20	E38	.715	11807	9.9	49	18		C	0032	1.75	2.38		L	
VORO	07	0029	0032	0030	N20	E36	.695	11807	9.7	3	-B		C	0030	.93	1.30		E	
MANI	07	0034E	0052	0034	N18	E36	.682	11807	9.7	18D	-N	1		0034	.41	.58		73	

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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 Hq	MAX. INT. %		
					LAT.	MER. DIST.													
1972 APR																			
GRP43583	07	0143	0154	0144	S16	E66	.908	11813	12.0	11	-N			.62				3 3 2 5	
VORO	07	0143	0151	0144	S14	E66	.908	11813	12.0	8	-B		0144	.84	1.80		69	DH	
SIBE	07	0143E	0157D		S17	E65	.901	11813	11.9	140	-F		V					D	
CRON	07	0143E	0154		S17	E66	.908	11813	12.0	110	-B	2	V	.40					
587 TEHR	07	0444	0455	0451	S16	E61	.870	11813	11.8	11	--F	3	C					D 3	
GRP43589	07	0605	0613	0606	S15	E60	.861	11813	11.8	8	-N			.58				5 5 4 6	
TEHR	07	0603	0612	0606	S16	E58	.844	11813	11.6	9	-N	4	C					D	
CATA	07	0605E	0615	0605	S14	E59	.852	11813	11.7	100	-N		P	.58	1.16		202	Z	
CRON	07	0605	0613	0607	S16	E59	.853	11813	11.7	8	-N	1	C	.43	.82				
ABST	07	0605E	0613	0607	S15	E63	.886	11813	12.0	80	-N		P	.90	1.80			DZ	
CAPS	07	0608E	0614		S13	E60	.861	11813	11.8	60	-F		V	.40			160	CD	
GRP43591	07	0847	0905	0853	N18	E31	.629	11807	9.7	18	--F			.32				2 2 2 7	
HTPR	07	0847	0905	0853	N17	E30	.611	11807	9.6	18	-F		C	.31	.40				
ARCE	07	0849E	0905D		N18	E31	.629	11807	9.7	160	-F		C	.32	.40				
GRP43593	07	1209	1220	1211	S09	E64	.894	11813	12.3	11	--F			.40				4 4 4 10	
CANR	07	1207	1220	1210	S07	E65	.903	11813	12.4	13	-F	2	C	.32					
HTPR	07	1209	1219	1211	S07	E65	.903	11813	12.4	10	-F		C	.21	.50				
CAPS	07	1209	1223		S13	E65	.901	11813	12.4	14	-N		V	.40			166		
TEHR	07	1209E	1219	1212	S08	E62	.879	11813	12.2	100	-N	4	C	.65				F	
GRP43594	07	1304	1327	1308	S14	E62	.878	11813	12.2	23	-N			.49				8 7 7 10	
TEHR	07	1303	1322	1307	S14	E60	.861	11813	12.0	19	-N	3	C	.46				F	
CANR	07	1303	1323	1310	S15	E62	.878	11813	12.2	20	-F	2	C	.43	.91				
RAMY	07	1304	1325	1307	S14	E61	.870	11813	12.1	21	-N	3	C	.74				D	
ARCE	07	1305E	1320		S13	E62	.878	11813	12.2	150	-F		C	.35	.70				
CATA	07	1305	1340	1305	S15	E63	.886	11813	12.3	35	-N		C	.40	.89		195		
HTPR	07	1305	1330	1310	S14	E62	.878	11813	12.2	25	-F		C	.41	.90				
HUAN	07	1308E	1311D		S13	E62	.878	11813	12.2	30	-N	1	P	.62	1.25			E	
CAPS	07	1319E	1336D		S15	E65	.901	11813	12.4	170	-N		V	.50			164	C	
GRP43599	07	1714	1725	1719	S14	E53	.795	11813	11.7	11	--F			.26				4 4 3 6	
LOCK	07	1708	1728	1718	S15	E53	.796	11813	11.7	20	-F		C						
RAMY	07	1714	1724	1717	S15	E52	.785	11813	11.6	10	-F	3	C	.28				D	
BOUL	07	1719	1724	1720	S16	E54	.806	11813	11.8	5	-F	2	C	.22	.37				
PALE	07	1720E	1723	1720	S09	E53	.794	11813	11.7	30	-F	2	C	.27					
GRP43600	07	1750	1757	1752	S08	E62	.879	11813	12.4	7	--F			.37				2 2 2 5	
BOUL	07	1750	1758	1752	S09	E62	.878	11813	12.4	8	-F	2	C	.43	.91				
HUAN	07	1750	1756	1751	S07	E61	.871	11813	12.3	6	-N	1	C	.31	.61				
GRP43602	08	0345	0416	0353	N14	E38	.679	11811	11.0	31	-N			1.25				2 2 2 6	
CULG	08	0345	0431	0353	N10	E40	.682	11811	11.2	46	1N		C	1.65	2.24			R	
TEHR	08	0350E	0401	0352	N17	E35	.664	11811	10.8	110	-N	4	C	.84				F	
GRP43608	08	2309	2329	2314	S14	E42	.670	11813	12.1	20	-N			1.08				5 5 4 6	
LOCK	08	2305	2330	2315	S17	E42	.675	11813	12.1	25	-F		C						
CULG	08	2308	2335	2312	S12	E42	.667	11813	12.1	27	1N		C	2312	1.96	2.57		L	
MANI	08	2309E	2330	2315	S14	E40	.644	11813	12.0	210	-F	1		.83	1.09				
VORO	08	2310	2323	2311	S14	E43	.682	11813	12.2	13	-B		C	2311	1.02	1.30		79	EDL
BOUL	08	2315	2327	2317	S13	E43	.681	11813	12.2	12	-N	3	V	.50	.70				
GRP43609	08	2325	2354	2331	S09	E79	.979	11819	14.9	29	-N			.53				4 4 3 6	
BOUL	08	2322	0008	2327	S10	E80	.982	11819	15.0	46	-B	3	V	.40	1.30				
LOCK	08	2325	2345	2332	S10	E79	.979	11819	14.9	20	-F		C						
MANI	08	2325E	2350	2334	S10	E76	.967	11819	14.7	250	-F	1		.83	1.95				
VORO	08	2329	2354	2331	S06	E82	.989	11819	15.1	25	-B		C	.37	1.80		71	DJ	
08 2414 0000 NO FLARE PATROL																			
GRP43610	09	0203	0226	0210	S11	E76	.967	11819	14.8	23	1N			.75				3 3 3 5	
CRON	09	0203	0223	0207	S13	E75	.962	11819	14.7	20	-N	1	C	.32					
PALE	09	0203	0229	0212	S10	E80	.982	11819	15.1	26	1N	2	C	.81					
MANI	09	0203E	0227	0211	S10	E74	.958	11819	14.6	240	18	1		0211	1.13	2.59			
GRP43611	09	0447	0507	0453	S09	E42	.665	11813	12.3	20	--N			.39				2 2 2 6	
TEHR	09	0444	0512	0452	S09	E42	.665	11813	12.3	28	-N	4	C	.28				F	
ATHN	09	0450	0501	0453	S08	E42	.665	11813	12.4	11	-N	2	C	.50				D	
GRP43613	09	0548	0555	0551	N07	W18	.378	11810	7.9	7	--F			.21				2 2 2 5	
ATHN	09	0546	0552	0549	N07	W19	.391	11810	7.8	6	-F	2	C	.33				D	
TEHR	09	0549	0557	0552	N06	W17	.355	11810	8.0	8	-N	4	C	.09				DH	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.													
	1972 APR																		
GRP43615	09	0628	0655	0632	S12	E75	.962	11819	14.9	27	-N				.81			7 7 7 8	
ABST	09	0627	0647	0629	S12	E76	.966	11819	15.0	20	1N		C	0629	1.08			EJ	
ATHN	09	0627	0648	0629	S11	E73	.952	11819	14.7	21	-N	2	C		.66			D	
TEHR	09	0628	0700	0631	S12	E78	.975	11819	15.1	32	-B	4	C		.73			F	
CRON	09	0628	0630D		S11	E75	.962	11819	14.9	2D	-N	1	V		.70				
CATA	09	0630	0655	0635	S12	E74	.957	11819	14.8	25	-N		C	0635	.69		190		
BUCA	09	0630E	0710D		S11	E75	.962	11819	14.9	40D	-B		C	0635	.66			E	
ATHN	09	0630	0648	0635	S13	E70	.935	11819	14.5	18	-N	2	C		.17			D	
MANI	09	0635E	0648	0636	S12	E74	.957	11819	14.8	13D	1N	1		0636	1.13	2.59			
GRP43616	09	0639	0703	0642	S07	E42	.666	11813	12.4	24	-N				.90			5 5 5 7	
BUCA	09	0637E	0656D		S06	E41	.653	11813	12.4	19D	-N		C	0640	.66	.90		E	
ATHN	09	0638	0657	0641	S07	E42	.666	11813	12.4	19	-N	2	C		.66			D	
ABST	09	0638E	0702	0642	S07	E43	.678	11813	12.5	24D	1F		P	0642	1.89	2.50		EZ	
CATA	09	0640	0715D	0640	S07	E42	.666	11813	12.4	35D	-N		P	0640	.93	1.25			
TEHR	09	0640	0659	0644	S09	E42	.665	11813	12.4	19	-N	4	C		.37		195	F	
617 ATHN	09	0925	0933	0928	S09	E39	.626	11813	12.3	8	--F	2	C		.17			D 4	
GRP43621	09	1132	1148	1136	S08	E37	.598	11813	12.3	16	--N				.41			4 4 4 7	
RAMY	09	1131	1143	1135	S08	E37	.598	11813	12.3	12	-N	1	C		.65			D	
CANR	09	1131	1151	1136	S08	E37	.598	11813	12.3	20	-N	2	C	1136	.22	.27		E	
MCMA	09	1133	1148	1136	S06	E36	.585	11813	12.2	15	-N		C	1136	.41	.50			
CATA	09	1135E	1150	1135	S09	E37	.599	11813	12.3	15D	-N		P	1135	.34	.43	186		
GRP43623	09	1220	1237	1222	S14	E35	.578	11813	12.1	17	--N				.55			5 4 4 6	
RAMY	09	1218	1227D	1220	S13	E33	.548	11813	12.0	9D	-N	1	C		.74			D	
MCMA	09	1220	1243	1221	S13	E36	.590	11813	12.2	23	-B		C	1221	.62	.80		EH	
CATA	09	1220	1230	1225	S14	E36	.592	11813	12.2	10	-N		C	1225	.29	.36	193		
CANR	09	1220	1238	1221	S14	E34	.564	11813	12.1	18	-N	2	C	1221	.54	.66			
TEHR	09	1231E	1239D	1235	S15	E33	.553	11813	12.0	8D	-N	2	C		.84			F	
6 STATIONS REPORTING GROUP 43624. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP43624	09	1247	1311	1255	S07	E37	.599	11813	12.3	24	-N				.84			5 4 3 6	
MCMA	09	1246	1320		S05	E35	.571	11813	12.2	34	-B		P	1256	.72	.90		E	
CANR	09	1247	1304	1254	S08	E37	.598	11813	12.3	17	-N	2	C	1254	.86	1.08			
TEHR	09	1253E	1311	1255	S07	E37	.599	11813	12.3	18D	-N	2	C		.93			F	
WEND	09	1254E	1310		S09	E38	.612	11813	12.4	16D	1N		P		4.13				
ONDR	09	1257E	1308		S07	E38	.612	11813	12.4	11D	1N		V	1258			2.50		
43624	09	1300	1304	1301	S14	E39	.631	11813	12.5	4	*-N				.56			4 4 4 6	
CANR	09	1259	1303	1301	S14	E40	.644	11813	12.5	4	-N	2	C	1301	.22	.28			
MCMA	09	1259	1303	1300	S13	E40	.643	11813	12.5	4	-N		C	1300	.26	.30		D	
TEHR	09	1300	1305	1302	S16	E37	.610	11813	12.3	5	-N	2	C		.19			D	
CATA	09	1300E	1320	1300	S09	E38	.612	11813	12.4	20D	-B		P	1300	1.27	1.62	221		
CATA	09	1300E	1305D	1300	S16	E39	.636	11813	12.5	5D	-N		P	1300	.29	.38	186		
GRP43625	09	1312	1318	1314	S09	W05	.100	11806	9.2	6	--N				.29			4 4 4 6	
CANR	09	1310	1315	1313	S09	W06	.116	11806	9.1	5	-N	2	C	1313	.22	.22			
MCMA	09	1311	1318	1312	S09	W06	.116	11806	9.1	7	-N		C	1312	.41	.40		E	
TEHR	09	1312	1318	1315	S10	W03	.086	11806	9.3	6	-N	3	C		.28			D	
CATA	09	1315	1320	1315	S09	W05	.100	11806	9.2	5	-N		C	1315	.23	.23	180		
GRP43626	09	1443	1503	1451	S08	E36	.585	11813	12.3	20	--N				.51			3 3 2 6	
MCMA	09	1443	1505	1451	S07	E36	.585	11813	12.3	22	-F		C	1451	.62	.70		E	
ONDR	09	1452E	1458		S07	E37	.599	11813	12.4	6D	1N		V	1453			2.10	BE	
CAPS	09	1454E	1506D		S10	E36	.586	11813	12.3	12D	-N	3	S	1454	.40	.50	182		
GRP43627	09	1555	1613	1558	S14	E34	.564	11813	12.2	18	--F				.41			3 3 3 7	
RAMY	09	1555	1620	1557	S14	E32	.537	11813	12.1	25	-F	1	C		.37			D	
CATA	09	1555	1615	1600	S15	E34	.567	11813	12.2	20	-N		C	1600	.23	.28	199		
MCMA	09	1556	1605	1557	S13	E36	.590	11813	12.4	9	-F		C	1557	.62	.70		E	
GRP43628	09	1833	1858	1838	S13	E33	.548	11813	12.2	25	--F				.52			5 5 3 5	
RAMY	09	1830E	1844D	1834	S13	E32	.534	11813	12.2	14D	-F	1	C		.74			D	
MCMA	09	1830	1855	1838	S13	E34	.562	11813	12.3	25	-F		C	1838	.52	.60		E	
BOUL	09	1833	1955D	1836U	S13	E32	.534	11813	12.2	82D	-N	3	V						
HUAN	09	1835	1858	1838	S13	E34	.562	11813	12.3	23	-F	2	C	1838	.31	.38		E	
LOCK	09	1835	1900	1845	S13	E35	.576	11813	12.4	25	-F		C						
629 PALE	09	2120E	2129	2122	S13	E34	.562	11813	12.4	9D	--N	3	C		.62			F 3	
GRP43630	09	2205	2230	2215	S16	E23	.417	11813	11.6	25	--F				.41			2 1 1 4	
LOCK	09	2205	2230	2215	S16	E23	.417	11813	11.6	25	-F		C						
PALE	09	2207E	2214D	2207	S07	E35	.570	11813	12.5	7D	-N	3	C		.41			F	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %	
					LAT.	MER. DIST.												
	1972 APR																	
	12	1052	1055	NO FLARE PATROL														
	12	1444	1515	NO FLARE PATROL														
GRP43655 LOCK HUAN	12	1943	1949	1946	S12	E24	.414	11819	14.6	6	--F				.26			2 2 1 4
	12	1940	1950	1944	S12	E24	.414	11819	14.6	10	-F		C					
	12	1946	1948	1947	S11	E23	.396	11819	14.5	2	-F	2	C	1947	.26	.28	D	
656 HUAN	12	2027	2037	2030	S14	W15	.290	11813	11.7	10	--F	2	C	2030	.21	.22	D	3
GRP43658 KODA MANI	13	0156	0215	0204	S10	W51	.773	11806	9.3	19	-N				.91			2 2 2 3
	13	0156	0211		S11	W54	.805	11806	9.0	15	-N		C	0208	1.09	1.10	E	
	13	0203E	0218	0204	S09	W48	.739	11806	9.5	150	-N	2		0204	.72	1.08		
GRP43659 HTPR ABST TEHR	13	0634	0647	0638	S11	E21	.365	11819	14.8	13	--F				.33			3 2 2 5
	13	0630	0648	0635	S09	E22	.375	11819	14.9	18	-F		C	0635	.10	.10	D	
	13	0634E	0643D	0638	S13	E07	.173	11819	13.8	90	-F		P	0638	.72	.80	D	
	13	0638	0645	0641	S12	E19	.338	11819	14.7	7	-F	3	C		.56		F	
GRP43660 TELV ATHN CANR TEHR	13	0735	0742	0737	S08	W12	.210	11813	12.4	7	--F				.43			4 4 3 6
	13	0733	0745	0738	S08	W10	.177	11813	12.6	12	1F							
	13	0734	0741	0736	S08	W12	.210	11813	12.4	7	-N	3	C		.50		D	
	13	0735	0742	0737	S07	W13	.225	11813	12.3	7	-F	3	V	0738	.50	.50		
	13	0736	0741	0737	S09	W14	.246	11813	12.3	5	-N	3	C		.28		D	
GRP43661 TEHR CANR	13	0804	0814	0806	S11	W09	.179	11813	12.7	10	--F				.22			2 2 2 4
	13	0803E	0814	0806	S12	W08	.175	11813	12.7	110	-F	4	C		.19		DH	
	13	0805	0813	0806	S10	W09	.171	11813	12.7	8	-F	3	V	0806	.25	.30		
662 TEHR	13	1011E	1014	1012	S10	W10	.187	11813	12.7	30	--N	2	C		.28		D	2
GRP43663 HTPR HTPR MEUD	13	1046	1106	1054	S10	W11	.202	11813	12.6	20	--F				.31			2 2 2 2
	13	1046	1105	1054	S10	W10	.187	11813	12.7	19	-F		C	1054	.21	.20	E	
	13	1046	1105	1100	S10	W10	.187	11813	12.7	19	-F		C	1100	.21	.20		
	13	1049E	1106		S09	W12	.213	11813	12.6	170	-F		C	1056	.41	.40	E	
GRP43665 HTPR HUAN TEHR MCMA BOUL CANR	13	1418	1452	1429	S10	W13	.234	11813	12.6	34	--N				.42			6 6 6 6
	13	1416	1451	1430	S10	W12	.218	11813	12.7	35	-F		C	1430	.41	.40	E	
	13	1416	1447	1432U	S10	W13	.234	11813	12.6	31	-N	2	C	1432	.36	.37	ET	
	13	1417	1435D	1422	S11	W14	.255	11813	12.5	180	-N	3	C		.28		F	
	13	1418	1450		S11	W14	.255	11813	12.5	32	-F		C	1419	.26	.30	DL	
	13	1418	1505	1432	S07	W13	.225	11813	12.6	47	-N	3	V	1432	.30	.30		
	13	1422	1447		S10	W12	.218	11813	12.7	25	-N	2	V	1430	.90	.90		
	13	1515	1528	1518	S10	W62	.879	11806	9.0	13	--F		C	1518	.31	.60	E	3
GRP43670 LOCK BOUL MCMA HUAN PALE LOCK	13	1712	1800	1724	S09	W15	.262	11813	12.6	48	--N				.50			5 5 4 6
	13	1708	1732	1723	S10	W15	.266	11813	12.6	24	-N		C				H	
	13	1710	1805	1724	S07	W14	.241	11813	12.7	55	-F	2	V	1724	.40	.40		
	13	1711	1800	1723	S10	W16	.282	11813	12.5	49	-N		C	1723	.52	.50	EL	
	13	1719	1801	1723U	S10	W15	.266	11813	12.6	42	-F	1	C	1723	.26	.27	K	
	13	1728E	1758	1728	S07	W17	.291	11813	12.5	300	-N	1	C		.83			
	13	1740	1755	1744	S10	W15	.266	11813	12.6	15	-F		C					
	13	1748	1802	1754	S08	W64	.895	11806	8.9	14	--F				.31		2 2 1 5	
GRP43671 HUAN PALE	13	1748	1800		S09	W64	.895	11806	8.9	12	-F	1	C					
	13	1750E	1804	1754	S07	W63	.888	11806	9.0	140	-F	2	C		.31		F	
GRP43672 LOCK HUAN	13	1838	1854	1842	S10	W16	.282	11813	12.6	16	--F				.21			2 2 1 4
	13	1830	1855	1837	S10	W15	.266	11813	12.6	25	-F		C					
	13	1845	1852	1847	S10	W16	.282	11813	12.6	7	-F	2	C	1847	.21	.21	D	
GRP43674 HTPR CAPS	14	0610	0631	0616	S11	W22	.381	11813	12.6	21	--F				.71			2 2 2 5
	14	0605	0624		S10	W20	.346	11813	12.8	19	-F		C	0614	.41	.40	E	
	14	0615	0638	0616	S12	W23	.400	11813	12.5	23	-N	3	P	0615	1.00	1.10	161	HK
GRP43675 CAPS HTPR	14	0629	0637	0631	S10	W32	.530	11813	11.9	8	--F				.26			2 2 2 6
	14	0628	0638		S12	W34	.561	11813	11.7	10	-N	3	V	0628	.30	.30	182	
	14	0630	0635	0631	S08	W30	.498	11813	12.0	5	-F		C	0631	.21	.20		
GRP43676 MANI TEHR CAPS	14	0706	0729	0716	S10	W32	.530	11813	11.9	23	--N				.23			3 3 3 8
	14	0706	0741	0716	S08	W32	.528	11813	11.9	35	-N	2		0716	.31	.37		
	14	0715E	0719	0716	S09	W30	.499	11813	12.1	40	-N	4	C		.09		D	
	14	0716E	0727D		S12	W34	.561	11813	11.8	110	-F	3	V	0716	.30	.30	157	C

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	1972 APR																		
GRP43678	14	0941	1001	0946	S10	W31	.515	11813	12.1	20	--F				.17				4 4 3 7
ARCE	14	0931E	0946D		S08	W33	.542	11813	11.9	15D	-F		C	0946	.12	.12			D
TEHR	14	0944E	1000	0945	S09	W30	.499	11813	12.2	16D	-N	4	C		.09				K
TELV	14	0944	1003		S16	W27	.476	11813	12.4	19	1F								
HTPR	14	0945	1000	0946	S08	W32	.528	11813	12.0	15	-F		C	0946	.31	.30			
GRP43679	14	1032	1053	1035	S07	W33	.542	11813	12.0	21	--N				.56				5 5 4 6
HTPR	14	1029	1055	1033	S07	W35	.571	11813	11.8	26	-F		C	1033	.21	.20			
CAPP	14	1029E	1050D		S08	W34	.557	11813	11.9	21D	-N		P	1031	1.65	2.00			H
TEHR	14	1030E	1057	1033	S09	W30	.499	11813	12.2	27D	-N	4	C		.09				DH
CATA	14	1035	1050	1040	S08	W34	.557	11813	11.9	15	-N		C	1040	.29	.35		155	
KHAR	14	1035E	1047D		S02	W31	.517	11813	12.1	12D	-F		V	1040			1.80		DH
GRP43680	14	1155	1207	1203	S08	W36	.585	11813	11.8	12	--F				.27				2 2 2 8
HTPR	14	1155	1204	1201	S08	W36	.585	11813	11.8	9	-F			1201	.21	.20			D
ATHN	14	1204E	1210	1204	S07	W35	.571	11813	11.9	6D	-N	3	C		.33				
6 STATIONS REPORTING GROUP 43681. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP43681	14	1445	1516	1504	S08	W35	.571	11813	12.0	31	-N				.73				3 3 3 5
HTPR	14	1444	1513	1507	S10	W34	.558	11813	12.1	29	-N		C	1507	.41	.50			
CATA	14	1445	1515	1500	S09	W36	.586	11813	11.9	30	-N		C	1500	.87	1.08		170	
CAPS	14	1452E	1520		S06	W35	.571	11813	12.0	28D	-B	3	V	1504	.90	1.10		212	E
43681	14	1445	1521	1454	S09	W36	.586	11813	11.9	36	*-N				.91				3 3 3 6
ATHN	14	1443	1446D	1444	S09	W35	.571	11813	12.0	3D	-F	3	C		.33				D
ARCE	14	1445E	1510D		S08	W36	.585	11813	11.9	25D	-B			1451	1.29	1.60			FK
RAMY	14	1446	1521	1454	S09	W36	.586	11813	11.9	35	-N	1	C		1.11				D
682 LOCK	14	1910	1917	1912	S11	W03	.106	11819	14.6	7	-N		C						2
683 LOCK	14	1957	2025	2001	S12	W32	.533	11813	12.4	28	1B		C						HV 1
684 LOCK	14	2305	0010	2330	S10	W33	.544	11813	12.5	65	--F		C						3
686 CULG	15	0334	0455	0348	S09	W30	.499	11813	12.9	81	1N		C	0348	2.06	2.30			3
GRP43692	15	0928	1001	0938	S10	W38	.614	11813	12.5	33	-N				.84				5 4 4 5
HTPR	15	0924	0956	0929	S10	W38	.614	11813	12.5	32	-N		C	0942	.52	.60			E
CANR	15	0925	1006	0937	S10	W38	.614	11813	12.5	41	-N	2	C	0937	.75	.96			
CATA	15	0935	1015	0942	S11	W38	.615	11813	12.5	40	-B		C	0942	1.16	1.47		209	E
KHAR	15	0935E	1020D		S11	W38	.615	11813	12.5	45D	2F		P	0953	4.54	5.70			E
MANI	15	0937E	0945	0944	S10	W38	.614	11813	12.6	8D	-N	2		0944	.93	1.20	2.10		
GRP43693	15	1210	1216	1214	S10	W39	.627	11813	12.6	6	--F				.32				3 3 2 3
RAMY	15	1206E	1216		U	S09	W38	.613	11813	12.7	10D	-F	1	C					D
HTPR	15	1210	1213	1213	S10	W40	.641	11813	12.5	3	-F		C	1213	.41	.50			
CATA	15	1215	1220	1215	S11	W39	.628	11813	12.6	5	-N		C	1215	.23	.30		182	
GRP43694	15	1359	1418	1404	S09	W46	.716	11813	12.1	19	--F				.31				2 2 2 5
HTPR	15	1359	1411	1404	S09	W46	.716	11813	12.1	12	-F		C	1404	.31	.40			
HUAN	15	1406E	1425		S08	W45	.704	11813	12.2	19D	-F	1	P	1406	.31	.43			CD
GRP43702	16	0757	0810	0803	S07	E25	.421	11829	18.2	13	--F				.33				3 3 3 8
ATHN	16	0757	0809	0800	S07	E23	.389	11829	18.1	12	-N	3	C		.50				D
TEHR	16	0802E	0809	0803	S07	E25	.421	11829	18.2	7D	-F	3	C		.19				F
MANI	16	0806E	0812	0806	S06	E26	.436	11829	18.3	6D	-F	2		0806	.31	.34			
GRP43705	16	1013	1040	1031	S10	W26	.440	11819	14.5	27	--F				.32				2 1 1 6
CANR	16	1013	1040	1031	S10	W26	.440	11819	14.5	27	-F	2	C	1031	.32	.36			
CATA	16	1015	1055	1020	S10	W27	.456	11819	14.4	40	-N		C	1020	1.22	1.37		180	
GRP43707	16	1056	1120	1101	S12	W27	.461	11819	14.4	24	--F				.58				5 5 5 8
RAMY	16	1053	1119	1100	S10	W28	.471	11819	14.4	26	-F	3	C		.93				D
ATHN	16	1054	1102D	1057	S13	W27	.464	11819	14.4	8D	-N	3	C		.50				D
CATA	16	1055	1130	1105	S13	W26	.449	11819	14.5	35	-N		C	1105	.80	.91		172	F
TEHR	16	1100	1112	1102	S12	W27	.461	11819	14.4	12	-F	3	C		.28				
CAPS	16	1104E	1105D		S12	W25	.431	11819	14.6	1D	-F	1	S	1104	.40	.50		157	
6 STATIONS REPORTING GROUP 43708. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP43708	16	1202	1219	1205	S09	W60	.862	11813	12.0	17	-N				.76				5 5 5 6
RAMY	16	1159	1218	1205	S08	W60	.862	11813	12.0	19	-N	3	C		.52				DH
CANR	16	1202	1219	1208	S09	W61	.871	11813	11.9	17	-N	2	C	1208	.75	1.53			
TEHR	16	1203E	1219	1203	S10	W57	.835	11813	12.2	16D	-N	3	C		.36				FH
CATA	16	1205	1220	1205	S08	W62	.879	11813	11.9	15	1N		C	1205	1.16	2.55		204	
CAPS	16	1207E	1216D		S09	W58	.844	11813	12.2	9D	-N	1	S	1208	1.00	2.00		182	H
708 TELV	16	1200	1230	1206	S10	W43	.680	11813	13.3	30	*3F								5
709 RAMY	16	1551	1600	1554	S08	E64	.895	11827	21.5	9	--F	3	C		.21				D 2

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hq	MAX. INT. %	
					LAT.	MER. DIST.												
	1972 APR																	
GRP43711 RAMY CANR HUAN	16	1701	1717	1704	S09	E64	.895	11827	21.5	16	--F			.61				3 2 2 5
	16	1700	1719	1704	S08	E64	.895	11827	21.5	19	-F	3	C	.52				D
	16	1702	1715	1703	S10	E63	.887	11827	21.4	13	-N	2	V	.70	1.40			E
	16	1713E	1716D		S10	E65	.902	11827	21.6	3D	-F	1	P					
GRP43712 CANR BOUL RAMY HUAN	16	1826	1851	1834	S09	W31	.514	11819	14.4	25	--N			.42				4 4 4 5
	16	1824	1844	1841	S10	W31	.515	11819	14.4	20	-N	2	C	.43	.50			
	16	1824	1855	1832	S10	W31	.515	11819	14.4	31	-N	2	C	.54	.63			D
	16	1828	1854	1830	S07	W31	.513	11819	14.4	26	-N	4	C	.41				E
GRP43713 HUAN RAMY	16	1858	1909	1901	S11	E64	.895	11827	21.6	11	--F			.29				2 2 2 4
	16	1858	1904	1901	S12	E65	.902	11827	21.7	6	-F	1	C	.26	.59			
	16	1858	1914	1900	S10	E63	.887	11827	21.5	16	-F	2	C	.31				D
714 BOUL	16	1930	1938	1933	S11	E59	.853	11827	21.2	8	--F	2	C	.43	.82			3
GRP43715 LOCK HUAN RAMY PALE	16	2030	2044	2033	S09	E59	.853	11827	21.3	14	--F			.45				4 4 3 5
	16	2030	2045	2034	S11	E60	.862	11827	21.4	15	-F		C					
	16	2030	2044	2033	S09	E60	.862	11827	21.4	14	-F	1	C	.46	.91			E
	16	2031	2042	2033	S07	E56	.826	11827	21.1	11	-N	2	C	.26				D
GRP43717 LOCK BOUL	16	2156	2209	2158	S07	E17	.292	11829	18.2	13	-N							2 2 0 3
	16	2155	2203	2159	S07	E19	.325	11829	18.3	8	-N		C					
	16	2156	2214	2157	S06	E15	.258	11829	18.0	18	-N	3	V					
GRP43725 ARCE HTPR CANR CRON CATA KHAR	17	0949	1005	0953	S10	E51	.774	11827	21.2	16	--N			.67				6 6 6 7
	17	0945E	0949D		S08	E49	.751	11827	21.1	4D	-F		C	.17	.20			
	17	0947	0959	0948	S09	E48	.740	11827	21.0	12	-N		C	.41	.60			E
	17	0950	1004	0953	S10	E52	.785	11827	21.3	14	-N	2	C	.54	.86			
GRP43726 HTPR CANR CATA HTPR	17	0950E	0958D	0955	S11	E51	.774	11827	21.2	8D	-N	2	V	.50				
	17	0950	0955	0950	S09	E50	.763	11827	21.2	5	-N		C	.69	1.08		166	
	17	0951	1030D		S12	E53	.796	11827	21.4	39D	1N	P		1.70	2.80	1.80		H
GRP43726 HTPR CANR CATA HTPR	17	1012	1032	1015	S12	E53	.796	11827	21.4	20	-N			.96				3 3 3 5
	17	1010	1037	1013	S14	E54	.807	11827	21.5	27	-N		C	1.24	2.00			EU
	17	1012	1035	1017	S13	E54	.806	11827	21.5	23	-F	2	C	.65	.85			
	17	1015	1025D	1015	S12	E55	.816	11827	21.6	10D	-N		P	.98	1.72		158	
GRP43731 LOCK BOUL	17	1625	1640	1627	S09	E54	.805	11827	21.7	15	--F			1.00				2 2 1 5
	17	1624	1635	1628	S10	E53	.795	11827	21.7	11	-N		C					H
	17	1625	1645	1625	S07	E54	.806	11827	21.7	20	-F	3	V	1.00	1.60			
GRP43733 RAMY LOCK BOUL MCMA RAMY PALE CANR HUAN MCMA	17	1654	1713	1659	S10	E52	.785	11827	21.6	19	-N			.58				7 7 6 7
	17	1651	1714	1655	S10	E53	.795	11827	21.7	23	-F	3	C	.46				D
	17	1654	1710	1658	S10	E52	.785	11827	21.6	16	-N		C					
	17	1654	1708	1658	S11	E52	.785	11827	21.6	14	-F	2	C	.54	.69			
GRP43735 LOCK MCMA BOUL RAMY	17	1654	1710	1659	S11	E51	.774	11827	21.5	16	-N		C	.41	.70			E
	17	1655E	1714	1655	S10	E53	.795	11827	21.7	19D	-F	3	C	.46				D
	17	1656E	1659D	1659	S10	E52	.785	11827	21.6	3D	-F	1	C	.55				F
	17	1656	1721	1702	S11	E52	.785	11827	21.6	25	-N	2	C	.86	1.37			
GRP43736 LOCK MCMA	17	1659E	1701D		S10	E53	.795	11827	21.7	2D	-N	1	P	.67	1.07			E
	17	1718	1723	1720	S11	E51	.774	11827	21.5	5	-F		C	.26	.40			E
GRP43735 LOCK MCMA BOUL RAMY	17	1843	1937	1851	S19	W70	.936	11813	12.5	54	--F			.41				4 3 1 6
	17	1840	1920	1850	S22	W71	.942	11813	12.5	40	-F		C					
	17	1844	2000D		S20	W72	.947	11813	12.4	76D	-F		C	.41	1.40			E
	17	1844	1930	1851	S15	W68	.923	11813	12.7	46	-F	3	V					
GRP43737 PALE MANI	17	1956E	2033D	2005	S10	W70	.936	11813	12.6	37D	-F	1	C	.62				D
GRP43736 LOCK MCMA	17	2108	2128	2115	S13	E50	.764	11827	21.6	20	--F			.31				2 2 1 4
	17	2106	2130	2115	S14	E50	.765	11827	21.6	24	-F		C					
	17	2110	2125	2114	S12	E50	.764	11827	21.6	15	-F		C	.31	.50			E
GRP43737 PALE MANI	18	0010	0020	0015	S12	E48	.741	11827	21.6	10	--F			.73				2 2 2 3
	18	0010E	0017D	0014	S13	E49	.753	11827	21.7	7D	-F	3	C	.52				F
	18	0012E	0020	0015	S11	E47	.729	11827	21.5	8D	-F	2		.93	1.37			
GRP43738 CULG MANI PALE PALE	18	0056	0144	0104	S12	E47	.730	11827	21.6	48	1B			2.23				3 3 3 3
	18	0053	0205	0103	S13	E47	.731	11827	21.6	72	1B		C	2.37	3.34			L
	18	0058	0136	0104	S11	E47	.729	11827	21.6	38	1B	2	C	2.27	3.34			
	18	0058E	0104D	0104	S12	E46	.718	11827	21.5	6D	1B	3	C	2.06				F
GRP43738 PALE	18	0059E	0132	0103	S12	E47	.730	11827	21.6	33D	1N	3	C	1.80				D

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
	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 H α	MAX. INT. %		
					LAT.	MER. DIST.													
	1972 APR																		
GRP43739 RAMY MCMA CANR ATHN ATHN CATA CAPS HUAN	18	1504	1524	1507	S12	E38	.617	11827	21.5	20	-B				1.52			7 6 6 8	
	18	1502	1527	1506	S12	E38	.617	11827	21.5	25	-B	3	C		1.49		F		
	18	1503	1530	1505	S12	E38	.617	11827	21.5	27	-N		C	1505	.83	1.10	E		
	18	1503	1520	1507	S12	E37	.604	11827	21.4	17	-N	2	C	1507	1.29	1.67			
	18	1503	1523	1507	S13	E39	.632	11827	21.6	20	-B	3	C		1.49		FM		
	18	1503	1524	1505	S12	E37	.604	11827	21.4	21	-N	3	C		1.65		F		
	18	1505	15200	1510	S11	E38	.616	11827	21.5	150	1N		P	1510	1.73	2.21	186		
	18	1507	1530	1508	S12	E38	.617	11827	21.5	23	1B	3	P	1509	2.30	3.00	228		
	18	1517E	15200		S11	E38	.616	11827	21.5	30	-N	1	P	1517	.57	.72	E		
GRP43740 CANR HUAN RAMY MCMA MCMA PALE	18	1740	1826	1802	S12	E37	.604	11827	21.5	46	-B				1.44		5 5 5 5		
	18	1739	1824	1803	S12	E35	.576	11827	21.4	45	-N	2	C	1803	1.61	1.96			
	18	1740	1827	1801	S11	E38	.616	11827	21.6	47	-B	2	C	1801	1.19	1.50	V		
	18	1740	1827	1803	S13	E37	.606	11827	21.5	47	-B	3	C		1.67		F		
	18	1741	17410		S12	E36	.590	11827	21.4		-B		C						
	18	1759	1825	1801	S12	E36	.590	11827	21.4	26	-B		C	1801	1.29	1.70	EV		
	18	1800E	18150	1800	S12	E37	.604	11827	21.5	150	-B	3	C		1.44		D		
	GRP43741 RAMY MCMA	18	2054	2105	2055	S13	E35	.578	11827	21.5	11	--F				.51		2 2 2 2	
		18	2054E	2105D	2054	S13	E36	.592	11827	21.6	110	-F	3	C		.65		F	
18		2054	2104	2056	S12	E34	.562	11827	21.4	10	-N		C	2056	.36	.50	E		
19		1130	1219	NO FLARE PATROL															
19		1233	1244	NO FLARE PATROL															
19		1259	1300	NO FLARE PATROL															
745 ARCE	19	1335E	1358		S13	E77	.971	11832	25.3	230	--N		C	1340	.09		2		
748 MANI	19	2345E	2358	2345	S07	W21	.357	11829	18.4	130	--F	2		2345	.52	.56	1		
749 PALE	20	0039E	0044	0040	S11	E21	.368	11827	21.6	50	--F	2	C		.36		F 3		
GRP43750 MANI PALE	20	0110	0128	0114	S08	W27	.453	11829	18.0	18	--F				.39		2 2 2 3		
	20	0110E	0128	0112	S08	W26	.438	11829	18.1	180	-N	2		0112	.52	.57			
	20	0115E	0119D	0115	S08	W28	.469	11829	18.0	40	-F	2	C		.26		F		
GRP43752 MANI PALE	20	0200	0218	0204	S11	E21	.368	11827	21.7	18	--F				.47		2 2 2 6		
	20	0200	0220	0207	S11	E22	.383	11827	21.7	20	-F	2		0207	.52	.56			
	20	0200E	0215	0201	S11	E20	.352	11827	21.6	150	-N	3	C		.41		F		
GRP43753 TEHR PALE	20	0304	0311	0306	S12	E68	.923	11832	25.2	7	--N				.31		2 2 2 8		
	20	0304	0311	0307	S10	E68	.924	11832	25.2	7	-N	3	C		.09		D		
	20	0304E	0310	0305	S14	E67	.917	11832	25.2	60	-N	3	C		.52		D		
4 STATIONS REPORTING GROUP 43754. 3 STATIONS OBSERVING AND NOT REPORTING.																			
GRP43754 PALE TEHR MANI TACH GRON	20	0332	0401	0343	S12	E20	.357	11827	21.6	29	--N				.55		5 5 5 8		
	20	0324E	0345D	0342	S11	E20	.352	11827	21.6	210	-B	2	C		.62				
	20	0329	0355	0344	S12	E19	.341	11827	21.6	26	-N	4	C		.28				
	20	0331E	0410	0342	S12	E21	.372	11827	21.7	390	-F	2		0342	.52	.56			
	20	0336E	0358	0344	S12	E21	.372	11827	21.7	220	-N		C	0344	.91	.98	1.37 57 E		
	20	0342	0400		S12	E20	.357	11827	21.7	18	-F	3	V		.40				
43754 PALE TEHR	20	0327	0355	0330	S12	E20	.357	11827	21.6	28	*-N				.40		2 2 2 6		
	20	0324E	0345D	0326	S11	E20	.352	11827	21.6	210	-N	2	C		.52		D		
	20	0329	0355	0333	S12	E19	.341	11827	21.6	26	-N	4	C		.28		F		
GRP43757 TEHR CAPS KHAR	20	1053	1104	1057	S13	E64	.895	11832	25.3	11	--N				.29		3 3 2 7		
	20	1053	1104	1057	S13	E62	.879	11832	25.1	11	-N	4	C		.28		FH		
	20	1053E	1107D		S11	E63	.887	11832	25.2	140	-N	3	V	1057	.30	.60	190		
	20	1055E	1102		S15	E67	.917	11832	25.5	70	-F		V				1.80 DH		
760 TEHR	20	1434E	1439D	1435	S12	E12	.236	11827	21.5	50	--N	2	C		.19		D 3		
GRP43761 RAMY CAPF HUAN CAPS	20	1508	1521	1510	S12	E61	.871	11832	25.2	13	-N				.69		4 4 4 5		
	20	1507	1522	1509	S14	E61	.871	11832	25.2	15	-N	2	C		.28		DH		
	20	1509E	1517		S09	E63	.888	11832	25.4	80	1N		P	1512	1.65		G		
	20	1509	1521	1511	S13	E61	.871	11832	25.2	12	-N	1	C	1511	.41	.84	E		
	20	1512E	1522D		S11	E60	.862	11832	25.1	100	-B	2	S	1512	.40	.80	216 C		
	GRP43762 HUAN RAMY CAPS	20	1524	1533	1525	S11	E14	.259	11827	21.7	9	--F				.34		3 3 3 4	
20		1522	1527	1524	S11	E12	.229	11827	21.5	5	-F	1	C	1524	.26	.27	E		
20		1525	1533	1526	S10	E14	.253	11827	21.7	8	-F	2	C		.37		D		
20		1527E	1540D		S11	E15	.274	11827	21.8	130	-N	1	V	1527	.40	.40	C		
763 PALE	20	1712	1721	1714	S12	E10	.208	11827	21.5	9	--F	4	C		.21		D 3		

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1972 APR																		
GRP43764	20	1749	1818	1802	S16	W15	.313	11826	19.6	29	--F				.54			3 3 2 5	
LOCK	20	1740	1820	1800	S16	W14	.300	11826	19.7	40	-F		C				F		
PALE	20	1757	1815	1805	S15	W17	.332	11826	19.5	18	-F	4	C		.62		D		
RAMY	20	1759E	1808D	1801	S16	W15	.313	11826	19.6	9D	-F	2	C		.46				
GRP43769	21	0717	0746	0725	N14	W14	.401	11828	20.3	29	--F				.33		2 2 2 7		
CATA	21	0715	0805	0730	N15	W14	.414	11828	20.3	50	-F		C	0730	.46	.51	138		
TEHR	21	0718	0726	0720	N13	W13	.379	11828	20.3	8	-F	4	C		.19		FH		
GRP43771	21	0748	0800	0754	S12	E03	.130	11827	21.6	12	--F				.25		2 2 2 6		
CANR	21	0748	0802	0752	S11	E04	.123	11827	21.6	14	-F	3	V	0752	.40	.40			
TEHR	21	0755E	0758	0756	S12	E02	.124	11827	21.5	3D	-N	4	C		.09		D		
GRP43772	21	0805	0837	0809	S11	E03	.115	11827	21.6	32	--N				.94		4 4 4 6		
MANI	21	0805E	0830	0808	S10	E03	.099	11827	21.6	25D	-N	2		0808	.93	.93			
TEHR	21	0805	0822	0808	S12	E02	.124	11827	21.5	17	-N	4	C		.84		F		
ATHN	21	0805	0820	0808	S11	E04	.123	11827	21.6	15	-N	2	C		.50		D		
CANR	21	0805	0837	0810	S11	E03	.115	11827	21.6	32	-N	3	V	0810	.75	.80			
TEHR	21	0807	0813	0810	S11	W03	.115	11827	21.1	6	-F	4	C		.74		FM		
GRP43773	21	0839	0856	0842	S12	E03	.130	11827	21.6	17	-N				1.19		4 4 4 6		
CATA	21	0805	0905	0838	S11	E04	.123	11827	21.6	60	-N		C	0838	1.73	1.75	197		
ATHN	21	0838	0853	0841	S12	E04	.138	11827	21.7	15	-N	2	C		.99		F		
MANI	21	0840E	0851	0841	S11	E03	.115	11827	21.6	11D	-N	2		0841	1.03	1.04			
TEHR	21	0844	0855	0846	S12	E02	.124	11827	21.5	11	-N	4	C		1.02		FM		
GRP43776	21	1227	1242	1230	S12	E01	.121	11827	21.6	15	--F				.54		3 3 3 7		
RAMY	21	1224E	1241	1230	S12	E02	.124	11827	21.7	17D	-F	3	C		.46		D		
ATHN	21	1228	1239	1230	S12	E01	.121	11827	21.6	11	-F	2	C		.50		D		
CANR	21	1230	1247		S11	E01	.104	11827	21.6	17	-F	3	V	1233	.65	.70			
GRP43777	21	1422	1435	1425	S11	E01	.104	11827	21.7	13	--F				.30		3 3 3 6		
HUAN	21	1419	1431		S12	E01	.121	11827	21.7	12	-F	1	C	1426	.31	.31	E		
RAMY	21	1421	1434	1424	S11	E00	.102	11827	21.6	13	-F	3	C		.28		D		
BOUL	21	1426	1440	1426	S11	E01	.104	11827	21.7	14	-F	2	V	1426	.30	.30			
7 STATIONS REPORTING GROUP 43778. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP43778	21	1450	1528	1454	S11	W02	.108	11827	21.5	38	-N				1.90		5 5 5 5		
BOUL	21	1447	1525	1452	S11	W01	.104	11827	21.5	38	-N	3	V	1452	1.90	1.90			
CANR	21	1449	1516	1455	S12	W03	.130	11827	21.4	27	1N	2	C	1455	2.58	2.58			
RAMY	21	1450	1522	1453	S11	W01	.104	11827	21.5	32	-N	3	C		1.49		UD		
CATA	21	1452	1540	1455	S11	W03	.115	11827	21.4	48	1B		C	1455	2.78	2.80	224		
HUAN	21	1452E	1537U		S11	W01	.104	11827	21.5	45D	-B	1	C	1453	.77	.78	CE		
43778	21	1510	1550	1510	S12	W04	.138	11827	21.3	40	*1N				.50		2 1 1 6		
LOCK	21	1510E	1550	1510E	S12	W04	.138	11827	21.3	40D	1N		C				B		
ATHN	21	1524E	1532	1524	S10	W08	.162	11827	21.0	8D	-N	2	C		.50		F		
GRP43780	21	2147	2223	2157	S11	W05	.134	11827	21.5	36	--F				.71		4 4 3 5		
HUAN	21	2144	2159U		S12	W03	.130	11827	21.7	15D	-F	1	P	2154	.21	.21	D		
LOCK	21	2145	2230	2155	S11	W06	.145	11827	21.5	45	-F		C						
HUAN	21	2149	2159U		S11	W07	.158	11827	21.4	10D	-N	1	P	2154	.26	.26			
PALE	21	2155E	2215	2200	S11	W04	.123	11827	21.6	20D	-F	3	C		1.13		F		
BOUL	21	2155E	2210D	2156U	S12	W06	.158	11827	21.5	15D	-N	2	C	2156	.75	.75			
GRP43781	21	2245	2305	2250	S11	W06	.145	11827	21.5	20	--F				.83		2 2 1 4		
LOCK	21	2245	2305	2250	S11	W06	.145	11827	21.5	20	-F		C						
PALE	21	2249E	2305	2250	S11	W05	.134	11827	21.6	16D	-F	3	C		.83		FH		
GRP43782	22	0028	0053	0036	S11	W07	.159	11827	21.5	25	-F				1.13		4 4 3 6		
LOCK	22	0028	0055	0035	S11	W06	.146	11827	21.6	27	-N		C						
MITK	22	0030E	0050	0036	S12	W07	.170	11827	21.5	20D	-N		C	0036	1.34	1.40	E		
PALE	22	0031E	0046D	0035	S11	W08	.172	11827	21.4	15D	-F	3	C		.91		F		
MANI	22	0039E	0053	0039	S10	W08	.163	11827	21.4	14D	-F	2		0039	1.13	1.14			
791 BOUL	22	2207	2218	2207	N22	W57	.883	11823	18.6	11	--F	2	V				2		
796 CRON	23	0208	0220	0210	N01	E21	.371	11839	24.7	12	--F	2	C	0210	.22	.23	3		
GRP43802	23	0740	0750	0742	N16	E45	.757	11835	26.7	10	--N				.43		4 4 4 5		
CATA	23	0740	0750	0740	N17	E45	.761	11835	26.7	10	-N		C	0740	.46	.71	155		
BUCA	23	0740E	0755D		N16	E44	.747	11835	26.6	15D	-N		C	0742	.66	1.00	D		
CRON	23	0741	0748	0742	N16	E47	.777	11835	26.8	7	-N	3	V	0742	.40				
TEHR	23	0743E	0748	0744	N16	E45	.757	11835	26.7	5D	-N	3	C		.19		F		

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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 H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1972 APR																	
GRP43808 CANR LOCK RAMY BOUL CANR	23	1712	1755	1721	S04	W29	.484	11827	21.5	43	--F			.56			4 4 2 5	
	23	1655	1708		S09	W28	.471	11827	21.6	13	-F	3 V	1659	.35	.40			
	23	1705	1745	1720	S04	W30	.499	11827	21.5	40	-F	C				D		
	23	1712	1755	1717	S04	W29	.484	11827	21.5	43	-F	3 C		.37				
	23	1714	1745D	1723	S01	W27	.458	11827	21.7	31D	-N	3 V						
	23	1715	1740	1723	S04	W29	.484	11827	21.5	25	-F	2 C	1723	.75	.86			
GRP43811 BOUL HUAN RAMY PALE	23	2046	2055	2049	S03	W30	.500	11836	21.6	9	--F			.53			4 4 4 5	
	23	2044	2056	2047	S03	W31	.515	11836	21.5	12	-F	2 C	2047	.54	.63			
	23	2046	2053D		S03	W31	.515	11836	21.5	7D	-F	1 P	2049	.46	.54	E		
	23	2047	2055	2050	S03	W28	.469	11836	21.8	8	-F	3 C		.31		D		
	23	2048E	2055	2051	S03	W30	.500	11836	21.6	7D	-F	2 C		.81		F		
GRP43825 ATHN CAPS CATA	25	0909	0920	0910	S07	W54	.806	11827	21.3	11	-N			.73			3 3 3 6	
	25	0907	0922	0910	S08	W56	.826	11827	21.2	15	-N	3 C		.99		F		
	25	0909E	0919		S03	W51	.776	11827	21.6	10D	-N	1 S	0909	.40	.60	170		
	25	0910	0920	0910	S11	W55	.817	11827	21.3	10	-N	C	0910	.80	1.41	151		
GRP43826 CAPS ATHN	25	1007	1024	1011	N09	W31	.557	11838	23.1	17	--F			.42			2 2 2 6	
	25	1005E	1027D		N09	W29	.530	11838	23.2	22D	-F	1 V	1008	.50	.60	157		
	25	1008	1021	1011	N09	W32	.570	11838	23.0	13	-F	3 C		.33		D		
GRP43828 MCMA ATHN	25	1113	1125	1118	N08	W33	.578	11838	23.0	12	--F			.35			2 2 2 5	
	25	1111	1230D	1118	N07	W33	.573	11838	23.0	79D	-N	C	1118	.52	.70	E		
	25	1115	1125	1118	N09	W33	.583	11838	23.0	10	-F	2 C		.17		D		
GRP43829 MCMA ATHN	25	1149	1214	1155	N08	W33	.578	11838	23.0	25	--F			.50			2 2 1 6	
	25	1111	1230D	1158	N07	W33	.573	11838	23.0	79D	-N							
	25	1149	1157	1151	N09	W32	.570	11838	23.1	8	-F	2 C		.50		D		
GRP43837 HUAN RAMY	25	1942	1953	1944	N08	W37	.630	11838	23.0	11	--F			.41			2 2 2 4	
	25	1942	1953D		N08	W36	.617	11838	23.1	11D	-F	1 P	1951	.26	.33	D		
	25	1944E	1947D	1944	N07	W38	.639	11838	23.0	3D	-N	1 C		.56				
GRP43852 LOCK MCMA HUAN	26	1914	1924	1917	N09	W50	.785	11838	23.1	10	--F			.41			3 3 2 4	
	26	1913	1925	1917	N10	W50	.787	11838	23.1	12	-F	C				E		
	26	1914	1923	1916	N09	W50	.785	11838	23.1	9	-F	C	1916	.41	.70			
	26	1914	1918D		N09	W51	.795	11838	23.0	4D	-N	1 P	1916	.41	.67			
GRP43853 HUAN LOCK	26	1938	1953 (1940)		N07	W52	.801	11838	22.9	15	--F			.31			2 1 1 4	
	26	1938E	1953D		N07	W52	.801	11838	22.9	15D	-F	1 P	1940	.31	.52			
	26	1950	2015	1956	N10	W50	.787	11838	23.1	25	-F	C						
GRP43862 ARCE TEHR	27	0838	0857	0850	N08	W75	.970	11843	21.7	19	--F			.17			2 2 1 7	
	27	0830E	0854D		N08	W79	.984	11843	21.4	24D	-N	C	0848	.17		D		
	27	0846	0857	0850	N08	W70	.945	11843	22.1	11	-F	1 C						
GRP43864 HTPR CATA	27	0945	0949	0945	N09	W73	.961	11843	21.9	4	--F			.23			2 2 2 5	
	27	0944	0948	0945	N09	W72	.956	11843	22.0	4	-F	C	0946	.31				
	27	0945	0950D	0945	N09	W74	.966	11843	21.9	5D	-N	P	0945	.14		162		
GRP43865 HTPR CANR	27	1050	1102	1052	S13	W87	.998	11827	20.9	12	--F			.26			2 2 2 6	
	27	1050	1054	1052	S13	W87	.998	11827	20.9	4	-F	C	1050	.31				
	27	1050	1109		S13	W86	.996	11827	21.0	19	-N	3 V	1052	.20	.60			
GRP43867 RAMY RAMY ARCE CAPS	27	1257	1355	1302	N07	W61	.883	11838	23.0	58	--F			.33			3 3 3 8	
	27	1257	1355	1302	N07	W60	.875	11838	23.0	58	-F	2 C		.56		D		
	27	1257	1355	1333	N07	W60	.875	11838	23.0	58	-F	2 C		.84				
	27	1300E	1317D		N06	W61	.881	11838	23.0	17D	-F	C	1300	.23	.50	E		
	27	1300E	1330D		N08	W62	.892	11838	22.9	30D	-N	3 V	1307	.20		188		
GRP43870 MCMA LOCK RAMY ATHN CAPS	27	1532	1547	1538	N07	W62	.891	11838	23.0	15	--F			.59			5 5 4 7	
	27	1529	1545	1539	N07	W63	.898	11838	22.9	16	-F	C	1539	.62	1.50	E		
	27	1532	1543	1536	N09	W60	.877	11838	23.1	11	-F	C				D		
	27	1534	1548	1538	N07	W61	.883	11838	23.1	14	-F	2 C		.46		D		
	27	1537E	1542D	1537	N06	W59	.865	11838	23.2	5D	-F	2 C		.66		D		
	27	1540E	1550D		N08	W65	.914	11838	22.8	10D	-N	3 P	1544	.60		170		
GRP43871 HTPR CANR LOCK RAMY	27	1630	1638	1632	S10	W76	.968	11827	22.0	8	--F			.25			4 4 3 5	
	27	1630	1637	1630	S10	W80	.983	11827	21.7	7	-F	C	1630	.21				
	27	1630	1638		S10	W73	.954	11827	22.2	8	-F	2 V	1631	.25	.50			
	27	1630	1638	1633	S09	W76	.968	11827	22.0	8	-F	C						
	27	1630	1640	1632	S10	W75	.963	11827	22.1	10	-F	2 C		.28		D		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H ₀	MAX. INT. %	
	1972 APR																		
GRP43872	27	1634	1654	1639	N08	W62	.892	11838	23.0	20	-N				.74				5 5 4 5
CANR	27	1633	1656	1638	N08	W62	.892	11838	23.0	23	-B	2	V	1638	.60	1.00			
HTPR	27	1634	1646	1639	N07	W63	.898	11838	23.0	12	-N			1639	.83				
RAMY	27	1634	1700	1638	N09	W61	.885	11838	23.1	26	-N	2	C		.84				F
LOCK	27	1634	1700	1640	N10	W63	.902	11838	23.0	26	-N		C						H
MCMA	27	1635	1650	1639	N07	W63	.898	11838	23.0	15	-N		C	1639	.67	1.50			E
GRP43874	27	1953	2008	1958	N10	W64	.909	11838	23.0	15	--F				.26				2 2 1 4
LOCK	27	1951	2015	2000	N10	W63	.902	11838	23.1	24	-F		C						
MCMA	27	1954	2001	1956	N09	W64	.908	11838	23.0	7	-F		C	1956	.26	.60			EH
875 MCMA	27	2058	2103	2059	N08	W65	.914	11838	23.0	5	--F		C	2059	.21	.60			D 3
GRP43877	28	0008	0041	0013	N08	W68	.933	11838	22.9	33	1N				1.45				3 3 3 5
CULG	28	0007E	0042	0013	N07	W68	.933	11838	22.9	350	18		P	0013	1.55				
MITK	28	0008	0023	0013	N08	W69	.939	11838	22.8	15	1N		C	0013	1.96				
MANI	28	0010E	0040	0014	N08	W68	.933	11838	22.9	300		2		0014	.83	1.74			
MITK	28	0028	0040D	0032	N08	W70	.945	11838	22.8	120	-N		C	0032	.52				D
GRP43878	28	0127	0153	0135	N09	W69	.940	11838	22.9	26	-F				.74				2 2 2 5
CULG	28	0123	0201	0135	N07	W69	.939	11838	22.9	38	1N		C	0135	1.03				
PALE	28	0131	0144	0135	N10	W69	.941	11838	22.9	13	-F	2	C		.45				F
GRP43879	28	0212	0227	0215	N09	W69	.940	11838	22.9	15	-F				.69				2 2 2 5
CULG	28	0211	0232	0214	N07	W69	.939	11838	22.9	21	1N		C	0214	.93				
PALE	28	0213	0221	0215	N10	W69	.941	11838	22.9	8	-F	2	C		.45				F
886 ATHN	28	1026	1038	1030	S15	W43	.689	11832	25.2	12	--F	2	C		.33				D 3
887 TEHR	28	1257E	1314	1257	N08	W72	.956	11838	23.1	170	--N	4	C		.28				F 3
GRP43890	28	1835	1856	1841	N04	W08	.202	11837	28.2	21	--N				.68				6 6 4 6
LOCK	28	1830	1900	1842	N03	W09	.203	11837	28.1	30	-N		C						
MCMA	28	1832	1903	1840	N03	W08	.190	11837	28.2	31	-N		C	1840	.52	.50			E
PALE	28	1835	1854	1837	N02	W08	.179	11837	28.2	19	-N	3	C		.67				F
CANR	28	1839	1855		N04	W06	.180	11837	28.3	16	-N	2	V	1842	.80	.80			
HUAN	28	1839E	1843D		N04	W07	.191	11837	28.3	40	-N	1	P	1842	.72	.74			CE
BOUL	28	1846E	1846	1846	N05	W08	.215	11837	28.2		-N	1	V						
GRP43892	28	2141	2152	2147	N21	W82	.995	11844	22.8	11	--F				.27				2 2 1 3
LOCK	28	2140	2155	2146	N19	W80	.990	11844	22.9	15	-F		C						
PALE	28	2141	2148	2147	N22	W83	.997	11844	22.7	7	-F	2	C		.27				
GRP43893	28	2315	2336	2325	N19	W81	.993	11844	22.9	21	--F				.62				2 2 1 4
LOCK	28	2315	2340	2325	N19	W80	.990	11844	23.0	25	-F		C						
PALE	28	2322E	2331	2324	N18	W82	.994	11844	22.8	90	-F	2	C		.62				
894 BOUL	28	2317	2348U	2324	N19	W76	.979	11834	23.3	310	--F	2	C	2324	.32				3
896 CATA	29	0615	0620	0615	N08	W80	.987	11838	23.3	5	--F		C	0615	.17		148		4
897 ARCE	29	0800E	0855D		S13	W77	.972	11846	23.6	550	--N		C	0832	.09			K	4
GRP43900	29	1506	1511	1508	N05	W23	.420	11837	27.9	5	--N				.26				3 3 2 4
RAMY	29	1506	1513	1508	N05	W22	.405	11837	28.0	7	-N	4	C		.26				D
HUAN	29	1506	1511	1507	N05	W22	.405	11837	28.0	5	-F	1	C	1507	.26	.29			
ONDR	29	1507E	1510		N04	W25	.444	11837	27.8	30	-B		V	1508			2.90		CD
902 LOCK	30	1835	1910	1850	S07	E79	.980	11848	6.7	35	--F		C						2
903 LOCK	30	1930	1950	1935	S07	E79	.980	11848	6.7	20	--F		C						2

In the importance column "--" signifies the subflare has been confirmed by the NOAA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity. These subflares are also not included in the Flare Index below.

DAILY FLARE INDICES								
Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
720402	0.00	23.5	720410	0.00	23.1	720418	49.38	24.0
720403	0.00	23.5	720411	29.36	24.0	720419	0.00	23.0
720404	0.00	23.5	720412	0.00	22.1	720420	2.51	24.0
720405	0.00	23.2	720413	4.37	24.0	720421	26.53	24.0
720406	5.07	24.0	720414	43.77	24.0	720422	6.74	24.0
720407	10.67	24.0	720415	26.12	24.0	720425	2.81	24.0
720408	15.89	24.2	720416	8.33	24.0	720427	2.89	24.0
720409	28.97	24.0	720417	6.64	24.0	720428	16.50	24.0

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

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1972 APR																	
544 ATHN	01	0650	0659	0653	S16	W42	.671	11794	29.1	9	-F	3 C		.33			DM 7	
GRP43545 ARCE TEHR	01	0909	0937	0912	S16	W42	.671	11794	29.2	28	-F			.19			2 2 1 8	
	01	0908E	0945D		S16	W42	.671	11794	29.2	37D	-F	C	0915	.19	.40		DH	
	01	0910	0928	0912	S15	W41	.657	11794	29.3	18	-F	3 C					D	
546 ATHN	01	0919	0929	0920	S15	E37	.605	11799	4.2	10	-F	3 C		.33			D 8	
549 ATHN	01	1143	1155	1145	N01	E21	.379	11803	3.1	12	-F	3 C		.33			DH 6	
550 ATHN	01	1331	1341	1332	N01	E19	.349	11803	3.0	10	-F	3 C		.33			DH 4	
551 HUAN	01	1522	1527	1524	N01	E19	.349	11803	3.1	5	-F	2 C	1524	.21	.22		D 6	
553 CANR	02	1440	1447		S06	E23	.389	11799	4.3	7	-F	3 V	1442	.50	.60		4	
554 ATHN	03	0747E	0755	0747	S12	E88	.998	11806	9.9	8D	-N	2 C		.17			D 9	
555 ATHN	03	0817	0823	0818	S12	E88	.998	11806	9.9	6	-N	2 C		.33			D 6	
556 ATHN	03	0922	0928	0925	S12	E88	.998	11806	10.0	6	-N	2 C		.17			D 8	
GRP43558 ATHN TEHR	03	1100	1111	1103	S11	E86	.996	11806	9.9	11	-N			.33			2 2 1 7	
	03	1059	1109	1102	S12	E88	.998	11806	10.1	10	-N	2 C		.33			D	
	03	1100	1113	1103	S09	E84	.993	11806	9.8	13	-N	3 C					D	
560 ATHN	04	0555	0603	0557	S06	W01	.019	11799	4.2	8	-F	2 C		.33			D 4	
561 ATHN	04	0606	0611	0608	S10	W08	.151	11799	3.7	5	-F	3 C		.50			D 5	
562 ATHN	04	0709	0719	0712	S11	W09	.174	11799	3.6	10	-N	3 C		.33			D 6	
563 ATHN	04	1620	1629	1623	S11	W12	.220	11799	3.8	9	-N	1 C		.50			D 7	
564 MANI	05	0331	0346	0337	S11	W20	.347	11799	3.6	15	-F	2	0337	.62	.65		4	
GRP43568 HTPR CATA	05	0819	0837	0825	S16	E90	1.000	11813	12.1	18	-F			.57			2 2 2 7	
	05	0819	0833	0825	S17	E90	.999	11813	12.1	14	-F	C	0825	.21			A	
	05	0820E	0840	0825	S15	E90	1.000	11813	12.1	20D	1F	P	0825	.93		112		
GRP43569 ATHN TEHR	05	1126	1136	1129	S10	W24	.407	11799	3.7	10	-F			.35			2 2 2 8	
	05	1126	1138	1128	S10	W24	.407	11799	3.7	12	-F	1 C		.33			D	
	05	1128E	1134	1130	S10	W23	.392	11799	3.8	6D	-N	4 C		.37			FM	
570 HUAN	05	1626	1630	1628	S12	W13	.242	11799	4.7	4	-F	2 C	1628	.21	.21		D 6	
571 BOUL	06	0028	0034	0032	N15	E40	.707	11807	9.0	6	-N	1 V					3	
572 ARCE	06	0815E	0830D		S12	W23	.397	11799	4.6	15D	-F	C	0820	.63	.70		7	
573 ARCE	06	0815E	0855D		S00	E85	.996	11813	12.7	40D	-F	C	0830	.09			7	
574 ARCE	06	0820E	0835D		N08	E20	.415	11810	7.8	15D	-F	C	0820	.60	.70		7	
575 ARCE	06	0915E	1000D		N01	E84	.995	11813	12.7	45D	-N	C	0925	.54			6	
576 ARCE	06	0915E	0940D		S12	W22	.382	11799	4.7	25D	-F	C	0925	.32	.30		6	
GRP43578 HTPR ARCE	06	1300	1315	1301	N18	E43	.753	11807	9.8	15	-F			.28			2 2 2 8	
	06	1300	1310	1301	N18	E43	.753	11807	9.8	10	-F	C	1301	.31	.50		E	
	06	1300E	1320D		N18	E42	.743	11807	9.7	20D	-F	C	1300	.25	.40		T	
584 CRON	07	0231E	0249		S15	E70	.934	11813	12.4	18D	-F	2 V		.30			6	
585 TEHR	07	0303	0312	0306	S04	E67	.919	11813	12.2	9	-N	3 C					D 4	
586 TEHR	07	0350E	0357		U	N08	E08	.280	11810	7.8	7D	-F	3 C				D 4	
588 TEHR	07	0505	0519	0508	N08	E08	.280	11810	7.8	14	-N	4 C					F 3	
GRP43590 ARCE ARCE TEHR	07	0801	0816	0814	S11	E65	.901	11813	12.2	15	-F			.29			2 2 2 9	
	07	0801E	0815D		S05	E67	.918	11813	12.4	14D	-F	C	0805	.12	.30			
	07	0801E	0825D		S13	E65	.901	11813	12.2	24D	-F	C	0815	.06	.10			
	07	0814E	0816D	0814	S13	E64	.894	11813	12.1	2D	-N	3 C		.46			F	
592 ARCE	07	0910E	0937D		S05	E67	.918	11813	12.4	27D	-F	C	0910	.09	.20		7	
595 HTPR	07	1439	1500	1444	S14	E61	.870	11813	12.2	21	-F	C	1444	.31	.60		11	

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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 Hα	MAX. INT. %	
					LAT.	MER. DIST.												
	1972 APR																	
GRP43596	07	1518	1522	1519	S08	E63	.887	11813	12.4	4	-F			.24			2 2 2 8	
HTPR	07	1518	1521	1519	S08	E63	.887	11813	12.4	3	-F	C	1519	.21	.40			
HUAN	07	1518	1523		S08	E62	.879	11813	12.3	5	-F	1 P	1519	.26	.55	D		
597 HTPR	07	1524	1535	1527	S15	E54	.806	11813	11.7	11	-F	C	1527	.10	.20		8	
598 HTPR	07	1537	1550	1538	S07	E62	.879	11813	12.3	13	-F	C	1538	.31	.60		7	
601 HUAN	07	1822	1822D		S07	E61	.871	11813	12.3		-F	1 P	1822	.21	.40	D	6	
603 CANR	08	0852	0900		S08	E53	.794	11813	12.3	8	-F	2 V	0855	.40	.70		6	
604 CANR	08	0943	0945D		S07	E53	.795	11813	12.4	2D	-F	3 V	0945	.15	.30		4	
605 CANR	08	1222	1227		S14	E79	.978	11819	14.4	5	-N	3 V	1223	.10	.30		4	
606 PALE	08	1707E	1711	1707	S07	E49	.751	11813	12.4	4D	-F	3 C		.26			6	
607 CRON	08	2228E	2245		S11	E80	.982	11819	14.9	17D	-F	2 V		.70			8	
612 ATHN	09	0521	0526D	0523	S09	E75	.963	11819	14.8	5D	-F	2 C		.33		D	6	
614 TEHR	09	0559	0606	0601	N06	W17	.355	11810	8.0	7	-F	4 C		.09		D	7	
618 CANR	09	0943	1000D		S13	E35	.576	11813	12.0	17D	-N	2 V	1000	.75	.90		5	
619 ATHN	09	1053	1107	1055	S11	E71	.941	11819	14.8	14	-F	2 C		.50		D	7	
620 TEHR	09	1122E	1130D	1124	S12	E71	.941	11819	14.8	8D	-N	2 C		.66		F	8	
622 MCMA	09	1147	1200D	1148	S08	E72	.948	11819	14.9	13D	-F	C	1148	.41	1.40	E	6	
634 ATHN	10	0641	0648	0642	N08	W33	.584	11810	7.8	7	-F	3 C		.17		D	5	
635 ATHN	10	0844	0852	0847	S11	W18	.317	11806	9.0	8	-F	3 C		.17		D	6	
GRP43637	10	1040	1117	1106	N09	W35	.615	11810	7.8	37	-N			.40		2 2 2 6		
ATHN	10	1034	1057	1040	N09	W34	.603	11810	7.9	23	-N	3 C		.50		F		
CATA	10	1045	1120D	1105	N08	W35	.610	11810	7.8	35D	-N	P	1105	.29	.37	168		
ATHN	10	1103	1113	1106	N09	W34	.603	11810	7.9	10	-N	3 C		.50		F		
638 ATHN	10	1140	1149	1143	S10	W19	.329	11806	9.1	9	-F	3 C		.33		D	7	
GRP43639	10	1249	1255	1250	S18	E24	.443	11813	12.3	6	-F			.41		2 2 2 7		
ATHN	10	1246	1254	1247	S18	E23	.430	11813	12.3	8	-N	3 C		.50		D		
HUAN	10	1251	1255	1252	S17	E25	.451	11813	12.4	4	-F	1 C	1252	.31	.34			
GRP43640	10	1458	1503	1459	S17	E23	.423	11813	12.3	5	-F			.32		2 2 2 7		
ATHN	10	1457	1503	1459	S17	E23	.423	11813	12.3	6	-F	3 C		.33		D		
HUAN	10	1458	1503	1459	S17	E23	.423	11813	12.3	5	-F	1 C	1459	.31	.34	E		
641 ATHN	10	1529	1540	1533	S04	E28	.469	11813	12.7	11	-F	2 C		.33		D	5	
644 TEHR	11	0408	0418	0411	S08	E17	.292	11813	12.4	10	-N	4 C		.09		D	5	
650 BOUL	11	2352	0006	2352	S04	E07	.126	11813	12.5	14	-N	3 V					3	
652 CATA	12	1145	1155D	1145	S08	W38	.613	11806	9.6	10D	-N	P	1145	.23	.29	155	5	
653 ARCE	12	1305E	1335D		S06	W05	.087	11813	12.2	30D	-F	C	1305	.35	.35		6	
654 LOCK	12	1650	1705	1654	S09	E19	.327	11819	14.1	15	-F	C					4	
657 LOCK	12	2046	2105	2054	S12	E24	.414	11819	14.7	19	-F	C					4	
664 TEHR	13	1336	1345	1338	S10	W58	.844	11806	9.2	9	-F	3 C		.19		D	4	
667 HTPR	13	1534	1545	1537	N13	E90	1.000	11828	20.4	11	-N	C	1537	.52		A	4	
668 LOCK	13	1628	1644	1633	S10	W20	.346	11813	12.2	16	-F	C					5	
669 MCMA	13	1658	1706	1700	S08	E08	.143	11819	14.3	8	-F	C	1700	.26	.30	E	5	
673 ABST	14	0503E	0558D	0510	S10	W24	.409	11813	12.4	55D	-F	P	0510	.81	.90	D	6	
GRP43677	14	0904	0916	0910	S13	W72	.947	11806	9.0	12	-F			.41		2 2 2 8		
HTPR	14	0904	0919	0912	S14	W70	.935	11806	9.1	15	-F	C	0912	.41				
MANI	14	0907E	0912	0907	S11	W73	.953	11806	8.9	5D	-F	2	0907	.41	.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 α	MAX. INT. %	
					LAT.	MER. DIST.												
	1972 APR																	
685 MANI	15	0146E	0157	0146	S11	W35	.574	11813	12.4	11D	-N	2	0146	1.03	1.26		2	
687 MANI	15	0608E	0640	0617	S10	W36	.587	11813	12.6	32D	-F	2	0617	.83	1.02		4	
688 HTPR	15	0623	0633	0625	S09	E40	.640	11829	18.3	10	-F	C	0625	.21	.30		4	
689 MANI	15	0719E	0733	0725	S18	W40	.655	11813	12.3	14D	-F	2	0725	.83	1.11		5	
690 HTPR	15	0833	0837	0835	N09	E17	.381	11823	16.6	4	-F	C	0835	.10	.10		5	
691 HTPR	15	0840	0848	0844	S05	E36	.586	11829	18.1	8	-F	C	0844	.21	.20		6	
695 BOUL	15	1412	1430	1415	S07	W14	.242	11819	14.5	18	-N	2	V	1415	.50	1.00		5
696 CANR	15	1603	1616		S12	W10	.204	11819	14.9	13	-F	3	V	1605	.30	.30		3
697 CANR	15	1657	1657D		S08	E78	.976	11827	21.6		-N	2	V	1657	.15	.50		4
698 RAMY	15	1757	1817	1804	S06	E33	.542	11829	18.2	20	-F	3	C		.28		D	5
GRP43699	16	0308	0323	0315	S11	W25	.428	11819	14.3	15	-N			.70			2 2 2 7	
MANI	16	0308	0330	0320	S09	W23	.392	11819	14.4	22	-N			.83	.90			
MANI	16	0308	0330	0310	S09	W23	.392	11819	14.4	22	-N	2	0310	.41	.45			
TEHR	16	0309E	0316	0310	S12	W27	.461	11819	14.1	7D	-N	3	C		.57		F	
700 ATHN	16	0544E	0546D	0545	S08	W28	.468	11819	14.1	2D	-F	2	C	.50			D	5
701 ATHN	16	0645	0650D	0647	S14	E72	.947	11827	21.7	5D	-F	2	C	.17			D	7
703 ATHN	16	0838	0846	0841	S03	E78	.977	11827	22.2	8	-F	3	C	.50			D	5
704 TEHR	16	0850	0859	0852	S10	W21	.363	11819	14.8	9	-F	3	C	.09			F	6
706 RAMY	16	1055	1119	1100	S10	E28	.471	11829	18.6	24	-F	2	C	.93			D	8
710 LOCK	16	1700	1720	1705	S12	E83	.990	11827	22.9	20	-F		C					4
716 LOCK	16	2124	2132	2126	S11	E60	.862	11827	21.4	8	-F		C					4
718 MANI	16	2355	0004	2357	S07	E15	.258	11829	18.1	9	-F	2	2357	.41	.43			5
719 MANI	17	0001	0014	0007	S09	W58	.844	11813	12.7	13	-F	2	0007	.41	.72			5
720 MANI	17	0137	0155	0140	S11	W34	.560	11819	14.5	18	-F	2	0140	1.13	1.39			4
721 MANI	17	0345E	0350	0345	S09	E53	.795	11827	21.1	5D	-F	2	0345	.41	.66			6
722 ATHN	17	0539E	0544	0540	S07	E14	.242	11829	18.3	5D	-F	2	C	.33			D	7
GRP43723	17	0629	0639	0636	S07	W70	.937	11813	12.0	10	-F			.43			2 2 2 6	
MANI	17	0629E	0637	0635	S06	W71	.943	11813	11.9	8D	-F	2	0635	.52	1.12			
ATHN	17	0636E	0641D	0636	S07	W68	.924	11813	12.2	5D	-F	2	C	.33			D	
724 HTPR	17	0737	0750	0746	S11	E55	.816	11827	21.4	13	-F		C	0746	.21	.30	E	7
727 CANR	17	1038	1050	1039	S11	E55	.816	11827	21.6	12	-N	3	V	1039	.30	.50		4
728 ATHN	17	1240E	1252	1242	S05	W73	.954	11813	12.1	12D	-N	3	C	.50			F	6
729 ARCE	17	1407E	1425D		S12	E53	.796	11827	21.6	18D	-F		C	1410	.13	.20	T	7
730 RAMY	17	1621	1632	1625	S05	E56	.827	11836	21.9	11	-F	3	C	.31			D	5
732 RAMY	17	1628E	1633	1628	S05	E56	.827	11836	21.9	5D	-F	3	C	.41			D	5
734 RAMY	17	1724	1750	1733	S08	W70	.937	11813	12.5	26	-F	2	C	.31			D	6
742 MANI	19	0023	0037	0025	S10	W62	.879	11819	14.4	14	-N	2	0025	.83	1.55			3
743 MANI	19	0227E	0229	0227	S07	W12	.209	11829	18.2	2D	-N	2	0227	.31	.32			5
744 MITK	19	0443	0451	0445	S06	W13	.224	11829	18.2	8	-F		C	0445	.62	.60	E	4
746 LOCK	19	1707	1722	1713	N02	W82	.991	11813	13.6	15	-F		C					5
747 PALE	19	1748	1801	1751	N16	E61	.899	11834	24.3	13	-F	2	C	.19				4
751 PALE	20	0135E	0148	0136	S11	E20	.352	11827	21.6	13D	-F	3	C	.46			F	5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
	1972 APR																		
755 TEHR	20	0431	0435	0432	S12	E19	.341	11827	21.6	4	-N	4	C		.09			D	5
756 TEHR	20	0439	0444	0443	S09	E13	.232	11827	21.2	5	-N	4	C		.09			D	5
758 CANR	20	1053	1105	1057	S12	E85	.995	11833	26.8	12	-F	3	V	1054	.20	.50			7
759 TEHR	20	1350E	1402	1356	S12	E15	.281	11827	21.7	120	-N	3	C		.46			FU	5
765 MANI	21	0537E	0545	0537	S10	E05	.121	11827	21.6	80	-F	2		0537	.31	.31			8
766 MANI	21	0610E	0624	0610	N16	W11	.403	11828	20.4	140	-F	2		0610	.31	.34			5
767 MANI	21	0610E	0622	0612	N10	W12	.330	11828	20.4	120	-F	2		0612	.31	.33			6
768 CAPS	21	0641E	06520		S12	E04	.138	11827	21.6	110	-F	3	V	0643	.50	.50	158	C	8
770 MANI	21	0721	0732	0725	S10	E04	.109	11827	21.6	11	-F	2		0725	.62	.62			7
GRP43774	21	0826	0835	(0827)	N16	W13	.418	11828	20.4	9	-N				.31			2 2 2 6	
MANI	21	0823E	0832	0824	N16	W12	.411	11828	20.4	90	-N	2		0824	.31	.34			
CANR	21	0828	0837		N15	W13	.405	11828	20.4	9	-N	3	V	0830	.30	.30			
775 CANR	21	1017	1028		S11	E02	.108	11827	21.6	11	-N	3	V	1020	.35	.40			5
779 HUAN	21	1644	1653	1646U	S12	W01	.121	11827	21.6	9	-F	1	C	1646					7
783 ATHN	22	0601E	0607	0603	S02	W08	.149	11836	21.7	60	-N	3	C		.33			D	7
784 ATHN	22	0713E	0725	0714	N17	W27	.568	11828	20.3	120	-N	3	C		.50			D	8
785 ATHN	22	0714	0725	0715	S15	E35	.585	11832	24.9	11	-F	3	C		.17			D	8
786 ATHN	22	0926E	0931	0926	S08	W13	.229	11827	21.4	50	-F	3	C		.17			D	6
787 ATHN	22	1322E	1332	1324	S10	W12	.223	11827	21.7	100	-F	3	C		.33			D	6
788 ATHN	22	1322E	1335	1324	S09	W20	.346	11827	21.1	130	-F	3	C		.17			D	6
789 CAPS	22	1429E	14370		S09	W08	.154	11827	22.0	80	-F	1	S	1429	.30	.30	157	C	4
790 RAMY	22	1815	1827	1817	N19	E63	.917	11835	27.5	12	-F	2	C		.21			D	4
792 MANI	22	2245E	2307	2246	S13	E34	.566	11832	25.5	220	-F	2		2246	1.13	1.39			4
793 MANI	23	0044	0056	0048	S13	E31	.524	11832	25.4	12	-F	2		0048	.31	.37			4
794 MANI	23	0143	0206	0150	S15	E30	.517	11832	25.3	23	-F	2		0150	.52	.61			3
795 MANI	23	0205	0226	0212	S10	W21	.365	11827	21.5	21	-N	2		0212	.41	.44			3
797 MANI	23	0210	0230	0214	S02	W18	.312	11836	21.7	20	-F	2		0214	.52	.54			3
798 CRON	23	0305	0310	0307	N01	E22	.387	11839	24.8	5	-F	2	C	0307	.22	.23			5
799 MANI	23	0306	0309	0307	S11	W22	.384	11827	21.5	3	-N	2		0307	.83	.90			5
800 MANI	23	0718	0729	0719	S12	W06	.160	11827	22.9	11	-F	2		0719	.31	.31			4
801 MANI	23	0718	0725	0719	S15	E31	.531	11832	25.6	7	-F	2		0719	.31	.37			4
803 ARCE	23	0946E	0950		N15	W43	.732	11828	20.2	40	-F		P	0946	.20	.30			8
804 ATHN	23	1323	1336	1325	S17	E28	.499	11832	25.7	13	-F	2	C		.33			D	7
GRP43805	23	1503	1512	1504	S11	E35	.576	11833	26.3	9	-F				.26			2 2 2 6	
RAMY	23	1503	1512	1504	S10	E35	.574	11833	26.3	9	-F	3	C		.21			D	
CAPS	23	1505E	15120		S11	E35	.576	11833	26.3	70	-F	1	S	1505	.30	.50	153		
806 HUAN	23	1549	1557	1550	S14	E24	.428	11832	25.5	8	-F	2	C	1550	.21	.23		D	7
807 CANR	23	1610	1623		S03	W23	.391	11836	21.9	13	-F	2	V	1615	.35	.40			6
809 HUAN	23	1922	19330		S03	W32	.530	11827	21.4	110	-F	1	P	1927	.26	.30			5
810 RAMY	23	1924	1950	1928	S03	W30	.500	11836	21.6	26	-F	3	C		.31			D	5
812 BOUL	24	0009	0032	00150	N17	E43	.740	11835	27.2	23	-N	3	V						5
813 KODA	24	0243	0253	0247	S14	E19	.356	11832	25.5	10	-N		V	0243	2.07	2.00	1.60	U	6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	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 _a	MAX. INT. %					
					LAT.	MER. DIST.																
	1972 APR																					
814	ATHN	24	0441	0454	0444	S15	E16	.321	11832	25.4	13	-F	2	C		.50			D	5		
815	ATHN	24	0814	0825	0816	S03	W36	.587	11836	21.6	11	-F	2	C		.33			D	6		
816	ATHN	24	0847	0903	0849	S03	W40	.642	11827	21.4	16	-F	2	C		.33			D	4		
GRP43817	24	1108	1120	1111	S12	E11	.225	11832	25.3	12	-F					.46			1	1	1	5
	24	1108	1120	1111	S13	E12	.248	11832	25.4	12	-F	3	C			.46			D			
	24	1108	1120	1110	S12	E10	.211	11832	25.2	12	-F	3	C			.31			D			
818	ATHN	24	1109	1128	1111	S11	W27	.461	11827	22.4	19	-F	2	C		.33			FH		5	
819	RAMY	24	1222	1241	1224	N04	E48	.752	11837	28.1	19	-F	3	C		.37			D		5	
820	HUAN	24	1801	1812		N04	E47	.741	11837	28.3	11	-F	1	C	1803	.10	.15		D		5	
821	HUAN	24	1837	1852		N04	E46	.729	11837	28.2	15	-F	1	C	1839	.21	.31		D		5	
822	HUAN	24	2112	2119	2115	S11	W34	.562	11827	22.3	7	-F	1	C	2115	.26	.31				4	
823	BOUL	24	2245	2311	2246	S12	W37	.605	11827	22.2	26	-N	2	V							4	
824	ABST	25	0704	0718D	0713	S10	W08	.165	11832	24.7	14D	-F		P	0713	1.08	1.10		EJ		8	
827	ATHN	25	1041	1048	1043	N08	W33	.578	11838	23.0	7	-F	2	C		.33			D		6	
830	RAMY	25	1229	1238	1231	N16	W14	.422	11834	24.5	9	-F	2	C		.19			D		4	
831	ATHN	25	1259	1310	1303	S36	W90	.999	11826	18.8	11	-N	3	C					F		5	
832	HUAN	25	1300E	1318		N07	W32	.560	11838	23.1	18D	-F	1	P					T		4	
GRP43833	25	1319	1330	1321	N08	W51	.793	11843	21.7	11	-F					.43			2	2	2	8
	25	1318	1327	1320	N08	W51	.793	11843	21.7	9	-F	3	C			.56			D			
	25	1320	1333	1322	N08	W50	.782	11843	21.8	13	-F	2	V	1322		.30	.50					
GRP43834	25	1442	1504	1444	N22	E19	.539	11835	27.0	22	-F					.53			2	2	2	8
	25	1439	1504	1444	N22	E18	.531	11835	27.0	25	-F	3	C			.46			D			
	25	1444	1450D		N22	E20	.547	11835	27.1	6D	-N	2	V	1450		.60	.60					
835	HUAN	25	1752E	1759		S14	W07	.200	11832	25.2	7D	-F	1	P	1753	.21	.21		D		7	
836	HUAN	25	1834E	1909D		N07	W36	.613	11838	23.1	35D	-F	1	P	1845	.31	.39				6	
838	KODA	26	0137E	0151	0141	N07	W42	.689	11838	22.9	14D	1B		C	0137	3.08	3.10	2.20	H		3	
839	KODA	26	0229	0244	0230	N07	W42	.689	11838	23.0	15	1B		V	0236	3.08	3.10	1.92	H		6	
840	ATHN	26	0435E	0444	0435	N08	W44	.715	11838	22.9	9D	-F	1	C		.33			D		5	
841	ATHN	26	0510E	0518	0510	N08	W44	.715	11838	22.9	8D	-F	1	C		.33			D		6	
842	ATHN	26	0921E	0939	0921	N08	W46	.738	11838	22.9	18D	-F	1	C		.33			D		7	
843	CATA	26	1115	1125D	1115	N10	W45	.733	11838	23.1	10D	-F		P	1115	.40	.60		144		5	
844	TELV	26	1405	1415	1410	S12	W48	.743	11827	23.0	10	2F									7	
845	HTPR	26	1425E	1430		N10	W46	.744	11838	23.2	5D	-F		C	1429	.31	.40				5	
GRP43846	26	1523	1538	1531	N09	W47	.752	11838	23.1	15	-F					.39			2	2	2	9
	26	1515	1540D	1530	N09	W47	.752	11838	23.1	25D	-N		P	1530		.46	.71	195	T			
	26	1530	1535	1531	N09	W47	.752	11838	23.1	5	-F		C	1531		.31	.50		D			
847	HUAN	26	1625	1634	1627	N09	W48	.763	11838	23.1	9	-F	2	C	1627	.21	.32		DT		8	
848	HUAN	26	1712	1718	1713	N09	W49	.774	11838	23.0	6	-F	2	C	1713	.26	.41		D		7	
849	LOCK	26	1745	1830	1800	N09	W50	.785	11838	23.0	45	-F		C							6	
850	HUAN	26	1851	1900	1853U	N07	W51	.790	11838	23.0	9	-F	1	C	1853	.15	.25		D		6	
851	HUAN	26	1913	1918D		S12	W61	.872	11827	22.2	5D	-F	1	P	1917	.21	.42		D		4	
854	LOCK	26	2125	2145	2130	N09	W69	.940	11843	21.7	20	-F		C							5	
855	LOCK	27	0042	0105	0056	N10	W52	.807	11838	23.1	23	-F		C							6	
856	TEHR	27	0329E	0344	0331	N07	W54	.820	11838	23.1	15D	-N	3	C		.28			D		5	

SOLAR FLARES

Unconfirmed

21
Apr 72

APRIL 1972

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	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 α	MAX. INT. %				
					LAT.	MER. DIST.															
	1972 APR																				
857 MANI	27	0411	0425	0412	N11	W62	.896	11838	22.5	14	-F	2		0412	.31	.61			5		
858 TEHR	27	0512E	0525		U S15	W88	.999	11827	20.6	13D	-N	3	C					D	5		
GRP43859	27	0726	0736	0730	N09	W75	.970	11843	21.7	10	-F				.23			2	2	2	5
MANI	27	0725	0736	0730	N10	W74	.966	11843	21.8	11	-F	2		0730	.21	.48					
CANR	27	0727	0736		N08	W76	.974	11843	21.6	9	-F	3	V	0728	.25	.60					
GRP43860	27	0739	0803	0741	N10	W57	.854	11838	23.0	24	-F				.41			2	1	1	6
MANI	27	0739	0803	0741	N10	W57	.854	11838	23.0	24	-F	2		0741	.41	.74					
ARCE	27	0800E	0825D		N07	W59	.866	11838	22.9	25D	-F		C	0805	.32	.60					
861 CANR	27	0740	0747		S14	W84	.993	11827	21.0	7	-N	3	V	0741	.20	.60				5	
863 ARCE	27	0900E	0918D		N07	W57	.849	11838	23.1	18D	-F		C	0918	.17	.30			IT	4	
866 TELV	27	1250	1300D	1300	S13	W62	.881	11827	22.9	10D	2F									9	
868 ARCE	27	1405E	1410D		N07	W60	.875	11838	23.1	5D	-F		C	1410	.20	.40				7	
869 HTPR	27	1509	1517	1512	N08	W59	.866	11838	23.2	8	-F		C	1512	.31					7	
873 CANR	27	1800	1805D		N08	W62	.892	11838	23.1	5D	-N	2	V	1805	.25	.50				4	
876 LOCK	27	2124	2138	2127	S13	W83	.991	11827	21.7	14	-F		C							4	
880 MANI	28	0251	0309	0256	N08	W70	.945	11838	22.9	18	-N	2		0256	.52	1.12				6	
881 MANI	28	0338E	0345	0340	N08	W70	.945	11838	22.9	7D	-N	2		0340	.52	1.12				6	
882 HTPR	28	0649	0654	0651	N09	W75	.970	11838	22.7	5	-F		C	0651	.31					6	
883 CATA	28	0710	0720	0710	N07	W70	.944	11838	23.0	10	-N		C	0710	.23			166		6	
884 ATHN	28	0754	0758D	0756	N04	W78	.980	11838	22.5	4D	-F	2	C		.33			D		8	
885 MANI	28	0824	0840	0828	N07	W72	.955	11838	22.9	16	-N	2		0828	.31	.69				6	
GRP43888	28	1354	1404 (1355)		N08	W75	.970	11838	23.0	10	-B				.27			2	2	2	6
ARCE	28	1354E	1400		N08	W79	.984	11838	22.7	6D	-N		P	1354	.23			E			
CAPS	28	1356E	1407D		N07	W70	.944	11838	23.3	11D	-B	3	P	1356	.30			247			
GRP43889	28	1451	1502	1451	N09	W74	.966	11838	23.1	11	-F				.31			2	2	2	7
HTPR	28	1449	1454	1451	N09	W75	.970	11838	23.0	5	-F		C	1451	.21						
CANR	28	1452	1510		N08	W72	.956	11838	23.2	18	-N	2	V	1453	.40	1.00					
891 LOCK	28	2044	2050	2046	N10	W81	.990	11838	22.8	6	-F		C							4	
895 LOCK	29	0032	0040	0035	N09	W81	.990	11838	22.9	8	-F		C					H		6	
898 ARCE	29	0855E	0915D		N08	W88	1.000	11838	22.8	20D	-N		C	0900	.29					6	
899 ARCE	29	0955E	1000D		N23	W35	.692	11835	26.8	5D	-F		P	1000	.20	.30				7	
901 LOCK	30	1800	1830	1814	S07	E79	.980	11848	6.7	30	-F		C					H		4	
904 LOCK	30	2230	2330	2240	S07	E79	.980	11848	6.9	60	-F		C							4	

Remarks:

A = Eruptive prominence, base at $>90^\circ$.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No spots visible in the neighborhood.
 H = Flare with high velocity dark surge.
 I = Very extensive active region.
 J = Flare with flare shows marked intensity variations.
 K = Several intensity maxima.
 L = Filaments show effects of sudden activation.
 M = White-light flare.

N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H or K.
 P = Flare shows helium D $_3$ in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in H α line.
 S = Brightening follows disappearance of filament (same position).
 T = Region active all day.
 U = Close and somewhat parallel bright filaments (|| or Y shape).
 V = Occurrence of an explosive phase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H α emission.
 Y = Onset of a system of loop-type prominences.
 Z = Major sunspot umbra covered by flare.

Note:

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

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