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Oct 71

SOLAR FLARES

Confirmed

OCTOBER 1971

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.												
	1971 OCT																	
739 PALE	01	0018	0024	0019	S13	E44	.743	11540	4.3	6	--F 2 C		.27				F 3	
741 CULG	01	0212	0256	0227	N13	W72	.946	11528	25.7	44	1N C	0227	.93				2	
GRP40743 TEHR MANI	01	0400	0410	0404	N13	E44	.691	11537	4.5	10	--F		.36				2 2 2 5	
	01	0400	0415	0403	N12	E43	.678	11537	4.4	15	-F 3 C		.19				F	
	01	0404E	0405	0405	N13	E45	.704	11537	4.5	10	-N 2	0405	.52	.72				
GRP40744 TEHR MANI ATHN ATHN	01	0500	0516	0503	N12	E44	.691	11537	4.5	16	--N		.38				3 3 3 7	
	01	0500	0512	0502	N12	E43	.678	11537	4.4	12	-F 3 C		.19				F	
	01	0501E	0523	0503	N13	E45	.704	11537	4.6	220	-N 2	0503	.62	.87				
	01	0503E	0514	0503	N11	E48	.738	11537	4.8	110	-N 1 C		.33				D	
	01	0519	0526	0521	N13	E42	.667	11537	4.4	7	-N 1 C		.33				D	
GRP40745 TEHR ATHN HTPR ARCE	01	0848	0859	0851	N12	E43	.678	11537	4.6	11	--F		.30				4 4 4 7	
	01	0847	0900	0850	N13	E42	.667	11537	4.5	13	-F 3 C		.19				F	
	01	0848	0859	0852	N13	E44	.691	11537	4.7	11	-F 2 C		.33				D	
	01	0849	0851	0850	N10	E41	.652	11537	4.4	2	-F C	0850	.21	.30			E	
	01	0850E	0905		N12	E43	.678	11537	4.6	150	-F C	0850	.48	.60				
GRP40750 RAMY LOCK MCMA	01	1957	2019	2001	S07	W16	.359	11534	30.6	22	--F		.82				3 3 2 3	
	01	1956	2021	1959	S07	W16	.359	11534	30.6	25	-N 3 C		1.11				D	
	01	1956	2012	2002	S07	W16	.359	11534	30.6	16	-F C							
	01	1958	2025	2003	S08	W15	.358	11534	30.7	27	-F C	2003	.52	.50			E	
GRP40751 LOCK PALE	01	2219	2237	2224	S07	W17	.372	11534	30.7	18	--F		.55				2 2 1 3	
	01	2217	2240	2225	S08	W17	.382	11534	30.7	23	-F C							
	01	2221	2233	2222	S06	W17	.362	11534	30.7	12	-N 3 C		.55				F	
	01	2400	0002	NO FLARE PATROL														
753 PALE	02	0016	0035	0027	N16	E37	.607	11537	4.8	19	--N 2 C		.64				F 3	
GRP40756 TEHR HTPR ATHN	02	0858	0909	0901	N24	E11	.347	11536	3.2	11	--N		.28				3 3 3 13	
	02	0855	0912	0901	N25	E11	.360	11536	3.2	17	-N 3 C		.19				FS	
	02	0859	0903	0901	N24	E12	.355	11536	3.3	4	-F C	0901	.31	.30				
	02	0859	0912	0901	N24	E11	.347	11536	3.2	13	-N 2 C		.33				D	
GRP40757 CANR TEHR ATHN	02	1100	1124	1111	N10	E23	.391	11537	4.2	24	--N		.35				3 3 2 9	
	02	1052	1125		N10	E23	.391	11537	4.2	33	-N 3 V			.40				
	02	1101	1128	1111	N11	E23	.393	11537	4.2	27	-N 4 C		.20				D	
	02	1107	1120	1111	N10	E23	.391	11537	4.2	13	-F 2 C		.50				D	
GRP40759 TEHR HTPR ATHN CAPS CAPE ONDR MONT CANR	02	1201	1237	1211	S07	W24	.463	11534	30.7	36	-N		1.10				8 8 7 9	
	02	1158	1240	1210	S08	W24	.471	11534	30.7	42	-N 4 C		.94				F	
	02	1159	1234	1211	S08	W25	.484	11534	30.6	35	-N C	1211	1.03	1.10			E	
	02	1200	1232	1209	S06	W25	.469	11534	30.6	32	-N 2 C		1.32				F	
	02	1200	1240		S05	W24	.449	11534	30.7	40	-B 3 P	1214	1.00	1.10			E	
	02	1201	1233	1215	S07	W24	.463	11534	30.7	32	-N C	1215	1.08	1.20				
	02	1201E	1240	1208	S08	W24	.471	11534	30.7	390	1B V	1208			3.10		CDE	
	02	1202	1239	1212	S06	W24	.456	11534	30.7	37	-N C	1212	1.55					
	02	1204	1236	1214	S07	W23	.450	11534	30.8	32	-N 2 C	1214	.75	.84				
	GRP40760 TEHR ONDR HTPR MCMA MONT ATHN	02	1311	1337	1322	S07	W25	.476	11534	30.7	26	--F		.53				6 6 5 10
02		1307	1345	1323	S08	W23	.458	11534	30.8	38	-N 3 C		.58				F	
02		1310E	1336	1319	S08	W25	.484	11534	30.7	260	1N V	1319			2.40		C	
02		1311	1335	1319	S08	W25	.484	11534	30.7	24	-F C	1319	.31	.30			E	
02		1312	1333D	1319	S08	W26	.497	11534	30.6	210	-F C	1319	.52	.60			E	
02		1317	1330	1321	S06	W24	.456	11534	30.8	13	-N C	1321	.72					
02		1327	1342	1329	S06	W25	.469	11534	30.7	15	-F 2 C		.50				D	
GRP40762 LOCK RAMY HTPR		02	1643	1650	1645	S07	W27	.503	11534	30.7	7	--F		.34				3 3 2 7
	02	1543	1650	1645	S06	W27	.497	11534	30.7	7	-F C							
	02	1643	1650	1645	S07	W26	.490	11534	30.7	7	-F 2 C		.37				D	
	02	1644	1647D		S07	W28	.517	11534	30.6	30	-F C	1645	.31	.30				
GRP40765 PALE LOCK MCMA	02	2058	2106	2100	N21	W01	.248	11536	2.8	8	--N		.24				3 3 2 5	
	02	2057	2105	2100	N22	W01	.265	11536	2.8	8	-N 3 C		.27					
	02	2058	2107	2101	N20	W01	.231	11536	2.8	9	-F C							
	02	2059	2105	2100	N21	W01	.248	11536	2.8	6	-N C	2100	.21	.20			D	
	02	2400	0001	NO FLARE PATROL														
GRP40767 PALE VORO	03	0150	0157	0151	S06	W39	.655	11534	30.2	7	--F		.44				2 2 2 4	
	03	0150E	0158	0151	S04	W39	.648	11534	30.2	80	-N 2 C		.31				H	
	03	0150	0155	0151	S07	W39	.659	11534	30.2	5	-F C	0151	.56	.70		67	DJ	

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %		
					LAT.	MER. DIST.													
1971 OCT																			
GRP40769	03	0402	0423	0412	N13	E18	.323	11537	4.5	21	--F			.55				2 2 2 5	
TEHR	03	0402	0432	0412	N15	E19	.349	11537	4.6	30	-N	3	C	.69				F	
CRON	03	0412E	0414		N11	E17	.298	11537	4.5	20	-F	3	V	.40					
GRP40772	03	0639	0710	0642	N12	E18	.318	11537	4.6	31	-F			1.03				2 2 2 8	
ATHN	03	0639	0701	0643	N10	E16	.279	11537	4.5	22	-N	2	C	.66				D	
CRON	03	0639	0718	0641	N14	E20	.358	11537	4.8	39	-F		0641	1.40					
40772	03	0639	0718	0656	N15	E19	.349	11537	4.7	39	*-N			1.12				3 3 3 10	
TEHR	03	0638	0710	0655	N16	E18	.341	11537	4.6	32	-N	4	C	.83				UF	
CRON	03	0639	0718	0656	N14	E20	.358	11537	4.8	39	-F	3	V	0656 1.70					
HPR	03	0647E	07250		N15	E20	.364	11537	4.8	380	-N		0706	.83	.90			EI	
GRP40774	03	0655	0713	0659	S05	W25	.462	11534	1.4	18	--F			.64				3 3 3 9	
ATHN	03	0654	0712	0657	S04	W25	.456	11534	1.4	18	-N	2	C	.50				F	
HPR	03	0655	0715	0701	S05	W25	.462	11534	1.4	20	-F		0701	.83	.90				
CRON	03	0659E	0712		S05	W24	.448	11534	1.5	130	-F	3	V	.60					
GRP40776	03	1035	1100	1041	N11	E14	.250	11537	4.5	25	1N			1.76				8 8 7 8	
TEHR	03	1017	1059	1042	N13	E14	.262	11537	4.5	42	-N	4	C	.75					
TEHR	03	1017	1059	1038	N13	E14	.262	11537	4.5	42	-N	4	C	.09				D	
CAPS	03	1025E	11250		N13	E16	.292	11537	4.6	600	-N	2	P	1050 1.50	1.50		170		
CANR	03	1035	1058	1040	N09	E13	.227	11537	4.4	23	-N	2	C	1040 .43	.43				
ATHN	03	1035	1056	1040	N12	E14	.256	11537	4.5	21	-N	3	C	.83				D	
HPR	03	1035	1051	1041	N10	E14	.246	11537	4.5	16	-N		1041	1.65	1.60			E	
CAPE	03	1036	1052	1043	N11	E13	.235	11537	4.4	16	-N		1043	.99	1.00				
ONDR	03	1038E	1059		N10	E15	.262	11537	4.6	210	2N	V	1042			3.30		CFHJR	
WEND	03	1038	1058		N10	E14	.246	11537	4.5	20	2N	V		6.19					
14 STATIONS REPORTING GROUP 40779. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP40779	03	1330	1458	1351	N13	E14	.262	11537	4.6	88	2N			5.18				8 8 7 11	
CANR	03	1328	14410	1354	N13	E14	.262	11537	4.6	730	2N	2	C	1354 5.81	6.48				
HPR	03	1328	1530	1400	N13	E14	.262	11537	4.6	122	2B		1350	7.22	7.00			EU	
LVOV	03	1328	1442	1349	N13	E14	.262	11537	4.6	74	2N		1354	6.19	6.45		68	CF	
TEHR	03	1331	13510	1347	N15	E14	.277	11537	4.6	200	1N	3	C	4.13				UF	
ATHN	03	1331	1445	1348	N13	E13	.247	11537	4.5	74	1B	3	C	5.12				UF	
ATHN	03	1331	1445	1335	N13	E13	.247	11537	4.5	74	-N	3	C	.99					
CAPE	03	1332	1500	1351	N13	E14	.262	11537	4.6	88	1B		1351	2.18	2.20				
ONDR	03	1334	1551	1344	N11	E16	.282	11537	4.8	137	3N	V	1344			3.40		CFHJK	
BOUL	03	1335E	14540	1356	N13	E13	.247	11537	4.5	790	2N	2	C	1356 5.59	5.56				
40779	03	1346E	1608	1406	N14	E16	.299	11537	4.8	142	*2B			10.98				4 3 3 12	
CAPS	03	1346E	15590		N15	E16	.306	11537	4.8	1330	2B	2	P	1406 8.00	8.30		265		
RANY	03	1356E	14140	1406	N14	E14	.269	11537	4.6	180	2B			6.39				ZU	
WEND	03	1405E	16080		N13	E18	.323	11537	4.9	1230	3N			18.56					
MCMA	03	1444E	16130		N13	E14	.262	11537	4.7	890	1N		1445	4.64	4.70			BFU	
40779	03	1512	1640	1514	N12	E14	.256	11537	4.7	88	*1F			2.55				2 2 1 12	
CATA	03	1512E	15200	1512	N12	E14	.256	11537	4.7	80	1N		1512	2.55	2.64		166		
LOCK	03	1515E	1640	1515E	N12	E13	.240	11537	4.6	850	1F							B	
GRP40780	03	1829	1836 (1830)		S20	E90	1.001	11544	10.5	7	--F							2 2 0 4	
MCMA	03	1829	18370		S20	E90	1.001	11544	10.5	80	-F		1830					F	
PALE	03	1832E	1835		S19	E89	1.000	11544	10.4	30	-N	2	C						
	03	2358	0000		NO FLARE PATROL														
GRP40781	04	0044	0101	0046	S08	W40	.675	11534	1.0	17	--N			1.36				3 3 3 3	
PALE	04	0044	0052	0045	S07	W40	.671	11534	1.0	8	-N	2	C	.63				F	
VORO	04	0044	0056	0046	S09	W40	.679	11534	1.0	12	-F		0046	.46	.60		93	EJ	
CULG	04	0044	0115	0047	S07	W39	.659	11534	1.1	31	1N		0047	2.99	3.77				
GRP40788	04	1227	1246	1234	S07	W45	.730	11534	1.1	19	--N			.66				4 4 4 9	
TEHR	04	1226	1250	1232	S08	W45	.734	11534	1.1	24	-N	3	C	.73				F	
ATHN	04	1226	1244	1231	S07	W46	.741	11534	1.1	18	-N	3	C	.50				F	
CANR	04	1230	1245	1239	S08	W46	.745	11534	1.1	15	-F	2	C	1239 .32	.48				
CAPS	04	1232E	12400		S06	W41	.680	11534	1.4	80	-N	2	S	1234 1.10	1.60		170		
GRP40790	04	2027	2052	2030	S10	W52	.813	11534	1.0	25	--N			.52				4 4 3 4	
LOCK	04	2025	2055	2030	S07	W51	.795	11534	1.0	30	-N								
MCMA	04	2026	2055		S09	W52	.810	11534	1.0	29	-N			.62	1.00			E	
BOUL	04	2027	20500	2031	S07	W51	.795	11534	1.0	230	-N	2	C	2031 .32	.53				
PALE	04	2028	2047	2029	S17	W52	.834	11534	1.0	19	-F	3	C	.63				F	
	04	2400	0006		NO FLARE PATROL														
GRP40791	05	0353	0410	0358	S09	W02	.270	11540	5.0	17	--N			.36				2 2 2 5	
PALE	05	0353	04020	0357	S09	W01	.268	11540	5.1	90	-N	2	C	.36				F	
TEHR	05	0353	0410	0359	S09	W03	.273	11540	4.9	17	-N	4	C	.36				D	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS			
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCARTH 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.																
	1971 OCT																					
GRP40792	05	0531	0559	0535	S09	W05	.281	11540	4.9	28	--N				.67				2 2 2 6			
TEHR	05	0531	0557	0535	S09	W03	.273	11540	5.0	26	-N	4	C		.64				F			
CRON	05	0540E	0600		S08	W06	.271	11540	4.8	200	-N	3	V		.70							
793 TEHR	05	0605	0610	0606	N07	W13	.224	11537	4.3	5	--N	4	C		.19				D 3			
GRP40795	05	0658	0731	0707	N22	W28	.517	11536	3.2	33	--F				1.08				3 3 3 9			
TEHR	05	0655	0722	0704	N20	W30	.531	11536	3.0	27	-N	3	C		.45				F			
CAPE	05	0700	0730	0709	N22	W27	.505	11536	3.3	30	-F			0709	1.04	1.20			E			
ABST	05	0706E	0741	0709	N24	W27	.519	11536	3.3	350	1F		P	0709	1.75	2.10						
GRP40796	05	0812	0826	0817	S10	W05	.297	11540	5.0	14	--F				1.10				4 3 3 13			
ABST	05	0810	0836	0816	S09	W06	.286	11540	4.9	26	1F		C	0816	2.27	2.40			EJ			
HTRP	05	0813	0821	0817	S10	W05	.297	11540	5.0	8	-F		C	0817	.31	.30			E			
MONT	05	0814	0821	0817	S10	W05	.297	11540	5.0	7	-N		C	0817	.72							
ARCE	05	0820E	09050		S10	W05	.297	11540	5.0	450	-F		C	0830	.84	.90						
4 STATIONS REPORTING GROUP 40800. 1 STATIONS OBSERVING AND NOT REPORTING.																						
GRP40800	05	1659	1746	1706	S08	W09	.294	11540	5.0	47	--N				.27				3 3 2 5			
BOUL	05	1640	1748	1700	S07	W08	.271	11540	5.1	68	-N	3	V									
MCMA	05	1656	1905	1708	S09	W09	.308	11540	5.0	129	-N		C	1708	.26	.30			DH			
PALE	05	1702	1744	1710	S08	W10	.303	11540	5.0	42	-N	2	C		.27				F			
40800	05	1700	1744	1731	S09	W11	.326	11540	4.9	44	*-F				.27				2 2 1 5			
LOCK	05	1658	1850	1730	S09	W11	.326	11540	4.9	112	-F		C						K			
PALE	05	1702	1744	1732	S08	W10	.303	11540	5.0	42	-N	2	C		.27							
GRP40801	05	1804	1847	1808	S09	W09	.308	11540	5.1	43	--F				.27				2 2 1 5			
PALE	05	1800	1840	1801	S08	W10	.303	11540	5.0	40	-N	2	C		.27							
PALE	05	1800	1840	1836	S08	W10	.303	11540	5.0	40	-N	2	C		.27							
BOUL	05	1807	1853	1815	S09	W07	.293	11540	5.2	46	-F	3	V									
GRP40802	05	1937	2008	1946	S09	W11	.326	11540	5.0	31	--F				.27				2 2 1 4			
LOCK	05	1935	2005	1945	S09	W11	.326	11540	5.0	30	-F		C									
PALE	05	1939	2010	1946	S08	W10	.303	11540	5.1	31	-F	2	C		.27							
806 TEHR	06	0418	0429	0420	S08	W73	.962	11534	30.7	11	--N	4	C		.09				D 3			
GRP40807	06	0527	0548	0534	S09	W17	.390	11540	5.0	21	--N				.89				3 3 3 6			
TEHR	06	0525	0545	0532	S09	W17	.390	11540	5.0	20	-N	3	C		.19				F			
TACH	06	0525	0558	0535	S09	W18	.402	11540	4.9	33	-B		C	0535	1.77	1.99			E			
CRON	06	0530	0540		S08	W17	.379	11540	5.0	10	-F	3	V		.70							
GRP40810	06	0851	0902	0852	S10	W18	.412	11540	5.0	11	--N				.36				3 3 2 13			
TEHR	06	0851	0902	0852	S09	W19	.414	11540	4.9	11	-N	3	C		.19				F			
MONT	06	0851	0900	0852	S10	W17	.401	11540	5.1	9	-N		C	0852	.52							
CANR	06	0851	0905		S10	W17	.401	11540	5.1	14	-F	3	V			.30						
GRP40811	06	2245	2303	2251	S09	W23	.464	11540	5.2	18	--F				.27				3 3 1 5			
PALE	06	2244	2305	2252	S10	W23	.473	11540	5.2	21	-N	2	C		.27				F			
LOCK	06	2245	2300	2251	S09	W23	.464	11540	5.2	15	-F		C						H			
BOUL	06	2245	2305	2249	S09	W24	.477	11540	5.1	20	-F	3	V									
812 LOCK	06	2334	2342	2337	N20	W55	.819	11536	2.9	8	--F		C						3			
813 TEHR	07	0413	0435	0416	N12	W34	.559	11537	4.6	22	--N	3	C		.19				D 2			
GRP40815	07	0716	0725	0718	N21	E23	.448	11543	9.0	9	--N				.42				3 3 3 12			
CATA	07	0715	0725	0715	N21	E23	.448	11543	9.0	10	-B		C	0715	.34	.39			224			
HTRP	07	0716	0724	0719	N21	E23	.448	11543	9.0	8	-N		C	0719	.41	.40			G			
ATHN	07	0719E	0725	0719	N21	E23	.448	11543	9.0	60	-N	2	C		.50				DH			
GRP40816	07	0803	0817	0807	N02	W16	.285	11559	6.1	14	--F				.26				3 3 3 11			
TEHR	07	0801	0819	0804	N02	W16	.285	11559	6.1	18	-F	3	C		.09				DS			
ATHN	07	0804	0811	0806	N01	W15	.274	11559	6.2	7	-F	2	C		.17				D			
CATA	07	0805	0820	0810	N02	W16	.285	11559	6.1	15	-N		C	0810	.52	.54			155			
GRP40817	07	1431	1450	1436	N15	W38	.619	11537	4.8	19	-N				.98				11 11 10 12			
CANR	07	1430	1448	1439	N15	W39	.632	11537	4.7	18	-F	2	C	1439	.32	.42						
BOUL	07	1431	1450	1434	N15	W38	.619	11537	4.8	19	-N	2	C	1434	.32	.41						
MONT	07	1431	1447	1436	N16	W39	.634	11537	4.7	16	-N		C	1436	2.27							
CAPE	07	1432	1437D	1435	N15	W38	.619	11537	4.8	50	-N		P	1435	1.19	1.50						
HTRP	07	1432	1445	1435	N15	W38	.619	11537	4.8	13	-N		C	1435	1.03	1.30			E			
ONDR	07	1432E	1456		N14	W38	.617	11537	4.8	240	1N		V	1435			2.00		CH			
ZURI	07	1432	1451	1439	N15	W37	.606	11537	4.8	19	-N		C	1439	1.18	1.50						
RAMY	07	1433E	1438D	1433	N15	W38	.619	11537	4.8	50	-N	2	C		.93				D			
CAPS	07	1433E	1455D		N15	W38	.619	11537	4.8	220	-N		P	1437	1.00	1.10			E			
MCMA	07	1435E	1457		N15	W39	.632	11537	4.7	220	-N		P	1436	.72	1.00			E			
CATA	07	1440E	1445D	1440	N15	W39	.632	11537	4.7	50	-N		P	1440	.87	1.14			190			

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMPATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %						
					LAT.	MER. DIST.																		
820 BOUL	1971 OCT 07	2147	2200	2147	S09	W29	.541	11559	5.7	13	--F	3	V						2					
GRP40821	08	1005	1025	1010	N09	E04	.083	11542	8.7	20	--F				.60				4 4 4 10					
MONT	08	1002	1016	1007	N09	E04	.083	11542	8.7	14	-F		C	1007	.52									
HTRP	08	1004	1015	1011	N09	E03	.069	11542	8.6	11	-F		C	1011	.41	.40			E					
CATA	08	1005	1045	1010	N09	E04	.083	11542	8.7	40	-N		C	1010	.63	.64		190	D					
ATHN	08	1007	1022	1011	N10	E04	.094	11542	8.7	15	-N	3	C		.83									
GRP40823	08	1420	1438	1425	N09	E02	.058	11542	8.7	18	--F				.61				10 9 7 15					
CATA	08	1415	1445	1425	N09	E02	.058	11542	8.7	30	-N		C	1425	.58	.58		190						
MCMA	08	1418	1443	1424	N09	E02	.058	11542	8.7	25	-N		C	1424	.52	.50			E					
ATHN	08	1419	1435	1424	N10	E02	.072	11542	8.7	16	-F	4	C		.17				D					
HTRP	08	1419	1433	1423	N08	E02	.045	11542	8.7	14	-F		C	1423	.62	.60								
ZURI	08	1419	1432	1428	N10	E04	.094	11542	8.9	13	-F		C	1428	1.18	1.10								
CAPS	08	1421E	1441D		N10	E02	.072	11542	8.7	200	-N	3	P	1424	.80	.80		165	D					
RAMY	08	1422	1450	1426	N08	E02	.045	11542	8.7	28	-F	3	C		.37				CHJ					
ONDR	08	1423	1433		N09	E02	.058	11542	8.7	10	1F		V	1424			2.30							
CANR	08	1425	1430	1427	N09	E02	.058	11542	8.8	5	-N	3	V	1427		.10								
BOUL	08	1435	1500	1439	N08	E02	.045	11542	8.8	25	-F	3	V											
GRP40825	08	1551	1606	1557	N09	E01	.049	11542	8.7	15	--N				.79				10 10 8 12					
HUAN	08	1545	1554		N08	E02	.045	11542	8.8	9	-F	1	P	1550	.15	.15			E					
CATA	08	1550	1600D	1555	N09	E01	.049	11542	8.7	100	-B		P	1555	1.04	1.05		219						
MCMA	08	1550	1607	1558	N09	E02	.058	11542	8.8	17	-N		C	1558	.83	.80			E					
ZURI	08	1551	1610	1558	N10	E04	.094	11542	9.0	19	1F		C	1558	2.52	2.50								
CANR	08	1552	1615	1555	N08	E01	.034	11542	8.7	23	-N	3	V	1555		.30								
LOCK	08	1552	1610	1557	N08	E01	.034	11542	8.7	18	-N		C											
BOUL	08	1553	1610	1559	N08	E01	.034	11542	8.7	17	-N	2	C	1559	.32	.32								
HTRP	08	1555	1605	1558	N08	E01	.034	11542	8.7	10	-F		C	1558	.41	.40								
CAPS	08	1555E	1605D		N10	E00	.064	11542	8.7	100	-B	3	V	1600	.60	.60		237	D					
RAMY	08	1556E	1607	1556	N08	E01	.034	11542	8.7	110	-N	3	C		.46									
GRP40827	08	1750	1805	1758	N09	E00	.046	11542	8.7	15	--F								2 2 0 4					
BOUL	08	1745	1800	1757	N09	E01	.049	11542	8.8	15	-F	3	V											
LOCK	08	1755	1810	1759	N08	W01	.034	11542	8.7	15	-F		C											
828 PALE	08	1831	1844	1836	N12	E84	.992	11555	15.1	13	--F	3	C		.27				3					
GRP40829	08	2020	2037	2031	N09	W02	.058	11542	8.7	17	--F				.36				2 2 1 2					
LOCK	08	2020	2035	2028	N09	W01	.049	11542	8.8	15	-F		C											
PALE	08	2032E	2039D	2033	N08	W02	.045	11542	8.7	70	-F	3	C		.36				F					
839 CROK	10	0024	0115	0042	N12	W73	.952	11537	4.5	51	1N	2	C	0042	1.61				2					
840 VORO	10	0053	0114	0057	N03	W05	.103	11557	9.7	21	--N		C	0057	.65	.60		60	EJ					
841 KODA	10	0135	0141		N13	W70	.935	11537	4.8	6	-N		P	0135	1.80	1.80			D					
GRP40844	10	0940	1000	0949	S13	W80	.990	11540	4.4	20	--F				.39				3 3 3 9					
TEHR	10	0939	0957	0949	S14	W80	.990	11540	4.4	18	-F	2	C		.13				F					
ATHN	10	0940	1004	0949	S12	W79	.987	11540	4.5	24	-F	3	C		.66				D					
ARGE	10	0940E	1000D		S12	W80	.989	11540	4.4	200	-F		C	0950	.38									
GRP40847	10	1512	1528	1516	S13	W86	.999	11540	4.2	16	-F				.53				6 6 2 9					
HUAN	10	1510E	1525		S14	W87	1.000	11540	4.1	150	-N	1	P	1515	.18				D					
ATHN	10	1510	1513D	1512	S12	W88	1.000	11540	4.0	30	-F	2	C						D					
RAMY	10	1512	1529	1516	S13	W81	.992	11540	4.6	17	-F	2	C											
MCMA	10	1512	1525D	1516	S14	W88	1.000	11540	4.0	130	-F		C	1516										
CATA	10	1515	1530	1520	S14	W90	1.000	11540	3.9	15	1N		C	1520	.87			170						
BOUL	10	1515	1533	1517	S12	W84	.997	11540	4.3	18	-N	3	V											
	10	2346	2353		NO FLARE PATROL																			
GRP40850	11	0616	0628	0623	S13	W90	1.000	11540	4.5	12	-F				.69				2 2 1 7					
CATA	11	0615	0630	0625	S14	W90	1.000	11540	4.5	15	1F		C	0625	.69			144						
ATHN	11	0616	0626	0620	S12	W90	1.000	11540	4.5	10	-N	2	C						D					
860 LOCK	11	2336	2354	2340	S12	W80	.989	11559	6.0	18	--F		C						3					
6 STATIONS REPORTING GROUP 40862. 5 STATIONS OBSERVING AND NOT REPORTING.																								
GRP40862	12	0707	0801	0727	S12	E58	.870	11554	16.6	54	-N				.53				3 2 2 11					
CATA	12	0705	0755D	0730	S11	E58	.868	11554	16.6	500	-N		P	0730	.87	1.79		178						
TEHR	12	0709	0805	0724	S12	E60	.886	11554	16.8	56	-N	2	C		.19				F					
AROS	12	0720E	0805		S15	E56	.860	11554	16.5	450	1N		P	0730	2.58	3.10								
TEHR	12	0723	0757	0736	S13	E56	.855	11554	16.5	34	-N	2	C		.19				F					
40862	12	0724	0801	0732	S14	E56	.858	11554	16.5	37	*-F				.68				2 2 2 11					
ABST	12	0723	0801	0734	S15	E56	.860	11554	16.5	38	-F		C	0734	.90	1.70		58	DJ					
CATA	12	0725	0755D	0730	S12	E55	.844	11554	16.4	300	-N		P	0730	.46	.90		176						

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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.													
	1971 OCT																		
40862	12	0655	0802	0733	S14	E56	.858	11554	16.5	67	*-F			.87				2 2 2 12	
ATHN	12	0650	0759	0729	S14	E56	.858	11554	16.5	69	-F	2	C	.66					
ATHN	12	0650	0759	0654	S14	E56	.858	11554	16.5	69	-F	2	C	.83					
CAPE	12	0700	0805	0737	S13	E55	.847	11554	16.4	65	-F		C	0737	1.07	2.00			
GRP40864	12	1226	1241	1227	N11	E39	.627	11555	15.4	15	--F			.26				3 3 2 9	
TEHR	12	1225	1240	1226	N11	E39	.627	11555	15.4	15	-F	2	C	.19				D	
ATHN	12	1225	1242	1228	N12	E40	.641	11555	15.5	17	-F	3	C	.33				D	
CANR	12	1227	1240		N10	E39	.626	11555	15.4	13	-N	3	V		.50				
856 PALE	12	1830	18420	1835	N05	E41	.654	11561	15.8	120	--F	2	C	.09				2	
	13	0030	0038																
	13	0105	0130																
	13	0145	0205																
	13	0215	0254																
867 TEHR	13	0410	0422	0414	N07	W62	.879	11542	8.5	12	--F	3	C	.09				D 2	
GRP40875	13	1110	1125	1111	S13	W09	.359	11552	12.8	15	--F			.33				5 5 5 8	
ATHN	13	1108	1120	1110	S12	W09	.344	11552	12.8	12	-F	3	C	.33				D	
TEHR	13	1109	1122	1110	S13	W09	.359	11552	12.8	13	-N	3	C	.09				D	
CAPF	13	1110E	11180		S12	W11	.360	11552	12.6	80	-N		P	1113	.83	.88			
CAPS	13	1110E	11300		S13	W08	.352	11552	12.9	200	-F	3	P	1120	.30	.30	157		
CANR	13	1113	1129	1113	S14	W08	.367	11552	12.9	16	-F	2	C	1113	.11	.12			
GRP40879	13	1725	1741	1731	S13	W12	.382	11552	12.8	16	--F			.55				2 2 1 3	
PALE	13	1724	1742	1731	S13	W12	.382	11552	12.8	18	-F	2	C	.55				F	
BOUL	13	1726	1740	1730	S12	W11	.360	11552	12.9	14	-F	2	V						
	14	1403	1429																
	14	1430	1445																
	14	1447	1449																
	14	1512	1520																
	15	0146	0201																
893 HUAN	15	1932	1941	1936U	N09	E89	.999	11565	22.5	9	-N	2	P	1936	.35			E 2	
894 HUAN	15	1947	1956	1952	N08	E89	1.000	11565	22.5	9	-N	2	C	1952	.33			E 2	
895 HUAN	15	2118	2123	2120	N09	E88	.999	11565	22.5	5	--F	1	C	2120	.18			2	
896 CULG	16	0203	0224	0215	N07	E80	.983	11565	22.1	21	1B		C	0215	1.24			FT 5	
GRP40897	16	0305	0338	0318	N07	E79	.980	11565	22.1	33	1B			2.09				2 2 2 5	
KODA	16	0259	0331	0318	N07	E78	.976	11565	22.0	32	1N		P	0319	3.25	3.30	3.88	DK	
CULG	16	0310	0344	0318	N07	E79	.980	11565	22.1	34	1B		C	0318	.93			TY	
898 CULG	16	0421	0444	0425	N07	E79	.980	11565	22.1	23	1B		C	0425	.67			T 6	
GRP40899	16	0536	0557	0540	N11	E30	.502	11562	18.5	21	-N			.67				3 3 3 5	
ATHN	16	0535	0558	0540	N10	E29	.485	11562	18.4	23	-F	2	C	.66					
ATHN	16	0535	0558	0551	N10	E29	.485	11562	18.4	23	-N	2	C	.83				DH	
TACH	16	0537	0608	0540	N12	E30	.504	11562	18.5	31	-N		C	0540	.62	.73	68	E	
CRON	16	0538E	0546		N11	E30	.502	11562	18.5	80	-F	3	V	.55					
GRP40900	16	0637	0644	0639	N08	E77	.972	11565	22.1	7	--F			.51				2 2 2 7	
ATHN	16	0636	0645D	0638	N08	E78	.976	11565	22.1	90	-F	2	C	.50				D	
HTPR	16	0637	0642	0639	N08	E76	.968	11565	22.0	5	-N		C	0639	.52				
5 STATIONS REPORTING GROUP 40904.					5 STATIONS OBSERVING					AND NOT REPORTING.									
GRP40904	16	0923	0956	0935	N06	E78	.976	11565	22.2	33	1N			.21				3 3 2 10	
KHAR	16	0915E	1055D		N03	E78	.977	11565	22.2	100D	2F		V			2.40	180	H0	
CATA	16	0930	1000	0935	N09	E76	.967	11565	22.1	30	-N		C	0935	.17				
CRON	16	0938E	0951		N06	E80	.983	11565	22.4	130	-N	3	V	.25					
40904	16	0842	0942	0912	N08	E76	.968	11565	22.1	60	*-F			.40				2 2 2 10	
ATHN	16	0842	0902	0847	N06	E75	.964	11565	22.0	20	-F	3	C	.33				D	
ARCE	16	0845E	1001D		N08	E77	.972	11565	22.1	76D	-F		C	0900	.46			D	
ATHN	16	0907	0923	0912	N08	E75	.963	11565	22.0	16	-N	3	C	.33					

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. S	
					LAT.	MER. DIST.												
	1971 OCT									MIN.								
GRP40905	16	1121	1143	1128	N08	E75	.963	11565	22.1	22	--F			.49			2 2 2 6	
HTPR	16	1116	1140	1126	N08	E75	.963	11565	22.1	24	-F	C	1126	.52			E	
CATA	16	1125	1146	1130	N08	E74	.958	11565	22.0	21	-N	C	1130	.46		190		
GRP40907	16	1238	1302	1243	N09	E74	.958	11565	22.1	24	-N			.82			2 2 2 5	
HTPR	16	1238	1254	1240	N08	E74	.958	11565	22.1	16	-N	C	1240	.83			E	
HTPR	16	1238	1254	1245	N08	E74	.958	11565	22.1	16	-N							
CATA	16	1240E	1310	1245	N09	E73	.953	11565	22.0	300	-N	P	1245	.80		186		
909 PALE	16	1707	17180	1711	N09	E70	.936	11565	22.0	110	--N	2 C		.19			F 2	
GRP40910	16	1804	1821	1811	N09	E68	.923	11565	21.9	17	--N			.27			2 2 1 2	
PALE	16	1804E	1819	1811	N09	E69	.930	11565	21.9	150	-N	3 C		.27			F	
RAMY	16	1806E	1823		N08	E67	.917	11565	21.8	170	-N	2 C					D	
911 PALE	16	1924	1939	1929	N13	E23	.403	11562	18.5	15	--F	3 C		.45			F 3	
	16	2038	2046		NO FLARE PATROL													
	17	1600	1626		NO FLARE PATROL													
GRP40914	17	1814	1827	1818	N08	E56	.823	11565	22.0	13	-N			.78			3 3 2 3	
PALE	17	1808	1827	1815	N08	E56	.823	11565	22.0	19	-N	3 C		.91			F	
RAMY	17	1812	1829	1816	N08	E56	.823	11565	22.0	17	-N	2 C		.65			D	
BOUL	17	1821	1824	1822	N08	E56	.823	11565	22.0	3	-B	2 V						
915 PALE	17	1915	1925	1919	N09	E55	.812	11565	21.9	10	--F	3 C		.27			1	
	17	2014	2055		NO FLARE PATROL													
	17	2056	2131		NO FLARE PATROL													
916 PALE	17	2213E	22180	2215	N10	E52	.780	11565	21.8	50	-B	3 C		.36			2	
917 VORO	17	2220	2226		N11	E53	.790	11565	21.9	6	--F	C	2220	.93	1.50	83	EJ 2	
GRP40919	18	0632	0655	0643	N08	E48	.740	11565	21.9	23	--F			.54			2 2 2 5	
ABST	18	0632	0655	0639	N08	E48	.740	11565	21.9	23	-F	C	0639	.90	1.30	65	D	
ATHN	18	0647E	06510	0647	N07	E47	.728	11565	21.8	40	-N	3 C		.17			D	
GRP40920	18	0700	0805	0717	N08	E49	.751	11565	22.0	65	-F			1.01			4 2 2 6	
CATA	18	0700	08050	0705	N08	E48	.740	11565	21.9	650	-N	P	0705	.58	.87	190	T	
ABST	18	0703E	07180	0707	N07	E49	.751	11565	22.0	150	1F	P	0707	1.44	2.20	65	E	
AROS	18	0710E	07250		N06	E50	.763	11565	22.0	150	2N	P	0718	6.19	8.00			
ATHN	18	0734	0740	0738	N09	E48	.740	11565	21.9	6	-F	2 C		.50			D	
GRP40921	18	0830	0855	0837	N08	E47	.728	11565	21.9	25	--F			.64			6 6 6 9	
MANI	18	0822	0850	0834	N07	E46	.716	11565	21.8	28	-F	2	0834	.41	.59			
ARCE	18	0826E	09000		N10	E48	.740	11565	22.0	340	-F	C	0836	.50	.70			
ABST	18	0830	08570	0839	N07	E47	.728	11565	21.9	270	1F	P	0839	1.62	2.50	66	T	
CATA	18	0835	0905	0835	N07	E45	.704	11565	21.7	30	-N	P	0835	.29	.42	197	T	
MONT	18	0835	0847	0838	N07	E47	.728	11565	21.9	12	-N	C	0838	.52				
ATHN	18	0839E	0849	0839	N08	E46	.716	11565	21.8	100	-N	2 C		.50			D	
GRP40922	18	1027	1050	1033	N08	E47	.728	11565	22.0	23	-N			.74			6 6 6 8	
ZURI	18	1026	1055	1029	N08	E45	.704	11565	21.8	29	-N	C	1029	1.30	1.80			
MONT	18	1028	1041	1032	N07	E46	.716	11565	21.9	13	-N	C	1032	.72				
CAPS	18	1028E	10560		N10	E45	.704	11565	21.8	280	-N	3 V	1031	.80	1.40	165	E	
CANR	18	1029E	10540	10290	N07	E55	.816	11565	22.6	250	-N	1 C	1029	.43	.75			
ATHN	18	1033E	10370	1037	N08	E46	.716	11565	21.9	40	-N	2 C		.66			D	
CATA	18	1040E	10450	1040	N09	E47	.728	11565	22.0	50	-B	P	1040	.52	.76	269	T	
GRP40924	18	1720	1732	1723	N08	E45	.704	11565	22.1	12	--N			.45			2 2 1 5	
HUAN	18	1719	1732	1723	N08	E46	.716	11565	22.2	13	-N	1 C	1723	.45	.61		E	
CANR	18	1720	1732		N08	E43	.679	11565	21.9	12	-N	1 V			1.00			
GRP40926	18	2038	2049	2042	N09	E39	.627	11565	21.8	11	--F			.10			3 3 1 4	
LOCK	18	2038	2048	2042	N10	E36	.586	11565	21.6	10	-F	C					H	
BOUL	18	2038	2051	2042	N11	E37	.601	11565	21.6	13	-F	2 V						
HUAN	18	2045E	20490		N07	E43	.679	11565	22.1	40	-F	1 P	2045	.10	.14		D	
	18	2400	0001		NO FLARE PATROL													
	19	0229	0256		NO FLARE PATROL													

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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.																
	1971 OCT																					
GRP40932	19	0835	0907	0850	N09	E34	.558	11565	21.9	32	--N			.81				4 4 4 9				
CAPS	19	0818E	0915D	0850	N10	E30	.501	11565	21.6	57D	-B	3 V	0842	.80	.80		216	E				
BUCA	19	0835	0900		N09	E33	.543	11565	21.8	25	-N	P	0840	.88	1.00							
ARCE	19	0835E	1000D		N09	E35	.572	11565	22.0	85D	-F	C	0844	.71	.90							
CAPF	19	0845E	0905		N07	E36	.585	11565	22.1	20D	-N	P	0848	.83	1.00							
GRP40934	19	1118	1144	1121	N09	E32	.529	11565	21.9	26	-N			1.13				4 4 4 8				
CANR	19	1115	1210	1120	N08	E32	.528	11565	21.9	55	-N	2 C	1120	.65	.76							
RAMY	19	1117	1139	1121	N09	E33	.543	11565	21.9	22	-N	4 C		1.13				F				
ZURI	19	1119	1130	1120	N09	E32	.529	11565	21.9	11	-N	C	1120	1.18	1.40							
MONT	19	1120	1138	1121	N09	E32	.529	11565	21.9	18	-N	C	1121	1.55								
GRP40936	19	1305	1401	1319	N09	E31	.514	11565	21.9	56	1B			3.44				11 11 9 11				
WEND	19	1254	1350	1322	N09	E31	.514	11565	21.9	56	2B	P		10.31								
LVOV	19	1259	1334	1317	N10	E32	.530	11565	21.9	35	2N	C	1317	5.16	6.06		67	F				
CANR	19	1300	1345	1315	N08	E31	.513	11565	21.9	45	1B	2 C	1315	1.08	2.60							
ZURI	19	1303	1400	1314	N09	E32	.529	11565	21.9	57	1B	C	1314	2.52	2.90							
RAMY	19	1303	1415	1320	N09	E33	.543	11565	22.0	72	-B	4 C		1.96								
RAMY	19	1303	1415	1309	N09	E33	.543	11565	22.0	72	-N	4 C		1.39				UF				
MONT	19	1304	1359	1324	N09	E31	.514	11565	21.9	55	1N	C	1324	4.13								
CAPE	19	1304	1405	1314	N09	E32	.529	11565	21.9	61	1B	C	1314	1.84	2.20		3.20	CJ				
ONDR	19	1307E	1415		N07	E30	.498	11565	21.8	68D	2N	V	1315					FU				
MCMA	19	1310E	1408		N09	E32	.529	11565	21.9	58D	1B	C	1320	1.75	2.00			EFU				
CAPS	19	1315E	1400D	1324	N12	E30	.505	11565	21.8	45D	1B	3 P	1316	2.20	2.90		216					
BOUL	19	1321	1425	1325	N08	E29	.483	11565	21.7	64	1B	1 V										
GRP40937	19	1431	1452	1436	N09	E32	.529	11565	22.0	21	--N			.79				4 4 4 10				
CANR	19	1430	1455	1435	N09	E32	.529	11565	22.0	25	-N	2 C	1435	.54	.63							
MONT	19	1430	1454	1435	N09	E31	.514	11565	21.9	24	-N	C	1435	.72								
MCMA	19	1431	1455D	1436	N09	E34	.558	11565	22.2	24D	-N	C	1436	.62	.80			E				
ZURI	19	1432	1442	1436	N09	E32	.529	11565	22.0	10	-N	C	1436	1.26	1.40							
GRP40939	19	1701	1750	1719	N08	E29	.483	11565	21.9	49	--F			1.29				2 2 1 5				
MCMA	19	1700	1755	1720	N08	E31	.513	11565	22.0	55	-F	C	1720	1.29	1.50			E				
BOUL	19	1701	1745	1718	N07	E27	.452	11565	21.7	44	-F	2 V										
GRP40940	19	1810	1823	1813	N11	E30	.502	11565	22.0	13	--F			.21				3 3 1 5				
HUAN	19	1810	1822	1814U	N11	E31	.517	11565	22.1	12	-N	1 P	1814	.21	.24			D				
BOUL	19	1810	1823	1810	N11	E29	.488	11565	21.9	13	-F	3 V										
LOCK	19	1810	1825	1814	N10	E29	.486	11565	21.9	15	-F	C										
GRP40941	19	2002	2035	2009	N09	E28	.469	11565	21.9	33	--F			.63				3 3 1 3				
BOUL	19	2000	2040	2013	N09	E26	.438	11565	21.8	40	-N	3 V										
LOCK	19	2000	2030	2007	N10	E29	.486	11565	22.0	30	-F	C						F				
PALE	19	2006	2019D	2007	N09	E28	.469	11565	21.9	13D	-F	2 C		.63								
943 LOCK	19	2123	2142	2129	N10	E21	.363	11565	21.5	19	--F	C						3				
GRP40944	19	2211	2241	2216	N07	E25	.421	11565	21.8	30	--F			.55				4 3 1 6				
LOCK	19	2207	2230	2213	N06	E24	.405	11565	21.7	23	-F	C										
PALE	19	2212	2219D	2212	N08	E25	.422	11565	21.8	7D	-F	2 C		.55				F				
BOUL	19	2214	2252	2223	N07	E26	.436	11565	21.9	38	-N	2 V										
MANI	19	2231	2235	2232	N07	E25	.421	11565	21.8	4	-F	2	2232	.31	.34							
GRP40945	19	2322	2334	2326	N11	E20	.350	11565	21.5	12	--F			.49				3 3 2 5				
LOCK	19	2321	2334	2324	N10	E21	.363	11565	21.5	13	-F	C										
VORO	19	2323	2332	2325	N11	E19	.335	11565	21.4	9	-F	C	2325	.56	.60		63	EJ				
MANI	19	2327E	2336	2328	N11	E19	.335	11565	21.4	9D	-N	2	2328	.41	.43							
GRP40947	20	0151	0157	0153	N11	E18	.320	11565	21.4	6	--F			.77				3 3 3 5				
VORO	20	0150	0155	0152	N11	E18	.320	11565	21.4	5	-F	C	0152	.46	.50		69	EJ				
MITK	20	0150	0157	0153	N11	E19	.335	11565	21.5	7	-F	C	0153	1.24	1.20			E				
MANI	20	0152	0159	0154	N10	E18	.315	11565	21.4	7	-N	2	0154	.62	.65							
GRP40949	20	0508	0542	0514	N08	E23	.390	11562	21.9	34	-N			.89				2 2 2 5				
TACH	20	0507	0550	0515	N08	E22	.374	11562	21.9	43	-N	C	0515	1.41	1.56		64	E				
TEHR	20	0508	0533	0512	N07	E23	.389	11562	21.9	25	-N	3 C		.36				F				
GRP40955	20	0933	0953	0939	N09	E21	.360	11565	22.0	20	--N			.61				8 8 6 12				
ARCE	20	0930E	1000D		N09	E21	.360	11565	22.0	30D	-F	C	0940	.46	.50							
ISTA	20	0930	0950		N08	E22	.374	11565	22.0	20	-N											
CANR	20	0932	0958		N08	E20	.342	11565	21.9	26	-N	2 V			.70							
TEHR	20	0933	1000	0940	N09	E20	.344	11565	21.9	27	-N	5 C		.73				FD				
HTPR	20	0933	0948	0939	N08	E22	.374	11565	22.0	15	-F	C	0939	.62	.60							
ATHN	20	0937	0945	0939	N08	E22	.374	11565	22.1	8	-F	2 C		.66				D				
CRON	20	0938E	0945	0939	N08	E23	.390	11565	22.1	7D	-N	1 V		.70								
CAPS	20	0945E	1000D		N10	E20	.347	11565	21.9	15D	-N	2 V	0947	.50	.50		176					

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-PORTANCE	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.												
	1971 OCT																	
GRP40956	20	1152	1208	1156	N09	E19	.328	11565	21.9	16	--N			1.14			11 11 9 13	
TEHR	20	1150	1210	1154	N10	E19	.331	11565	21.9	20	-N	5	C	.64			F	
ISTA	20	1150	1218		N09	E20	.344	11565	22.0	28	-F						E	
RAMY	20	1151	1207	1155	N10	E19	.331	11565	21.9	16	-N	3	C	.57			D	
LVOV	20	1152	1247	1157	N10	E18	.315	11565	21.8	55	1N	C	C	1157	4.13	4.45	EF	
CAPS	20	1152	1210D		N10	E17	.300	11565	21.8	180	-B	3	V	1157	.50	.50	E	
CAPE	20	1152	1205	1155	N09	E18	.312	11565	21.8	13	-N	C	C	1155	.98	1.00		
CANR	20	1152	1205	1154	N09	E20	.344	11565	22.0	13	-N	3	V	1154		.50		
ZURI	20	1152E	1155D	1155	N09	E18	.312	11565	21.8	30	-N		P	1155	.91	1.00		
HTPR	20	1152	1215	1157	N11	E20	.351	11565	22.0	23	-N	C	C	1157	.72	.70	E	
MONT	20	1153	1159	1155	N09	E19	.328	11565	21.9	6	-N	C	C	1155	1.13			
ATHN	20	1153	1207	1158	N08	E19	.326	11565	21.9	14	-N	2	C		.66		D	
HTPR	20	1245	1255	1249	N07	E18	.308	11565	21.9	10	-F		C	1249	.41	.40		
GRP40957	20	1303	1324	1306	N08	E17	.293	11565	21.8	21	--F			.49			7 7 6 12	
MCMA	20	1255	1350		N07	E16	.275	11565	21.7	55	-N		C	1310	.62	.60	EK	
HTPR	20	1302	1320	1304	N07	E20	.341	11565	22.0	18	-F	C	C	1304	.52	.50	E	
HTPR	20	1302	1317	1307	N07	E15	.259	11565	21.7	15	-F	C	C	1307	.21	.20		
ATHN	20	1303	1326	1306	N07	E14	.242	11565	21.6	23	-F	2	C		.50		D	
MONT	20	1304	1314	1306	N09	E19	.328	11565	22.0	10	-F	C	C	1306	.52			
CANR	20	1304	1324		N08	E20	.342	11565	22.0	20	-N	2	V			.60		
CANR	20	1304	1320		N08	E14	.244	11565	21.6	16	-N	2	V			.40		
CAPS	20	1305E	1320D		N10	E18	.315	11565	21.9	15D	-N	3	V	1306	.40	.40	175	
RAMY	20	1305	1315	1307	N08	E15	.261	11565	21.7	10	-F	3	C		.36		E	
GRP40958	20	1334	1352	1336	N08	E18	.310	11565	21.9	18	--N			.				

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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 H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1971 OCT																	
GRP40973	22	0002	0023	0009	N08	W01	.050	11565	21.9	21	--F			.86			2 2 2 3	
CRON	22	0002U	0018	0007	N08	W01	.050	11565	21.9	160	-F	2 C	0007	.54	.54		D	
PALE	22	0010E	0027	0010	N08	W01	.050	11565	21.9	170	-N	2 C		1.18				
GRP40974	22	0215	0231	0218	N07	W03	.060	11565	21.9	16	-N			1.63			5 5 5 6	
CULG	22	0212	0249	0217	N07	W03	.060	11565	21.9	37	1N	C	0217	2.27	2.20			
CRON	22	0215	0220	0216	N06	W04	.070	11565	21.8	5	-F	2 C	0216	.43	.43			
MITK	22	0216	0230	0218	N06	W03	.053	11565	21.9	14	1B	C	0218	3.61	3.50		E	
MANI	22	0216E	0224	0219	N07	W03	.060	11565	21.9	80	-N	2	0219	.83	.82		F	
PALE	22	0218E	02190	0218	N08	W03	.070	11565	21.9	10	-N	1 C		.99				
GRP40977	22	0841	0857	0845	N06	W13	.224	11565	21.4	16	--N			.92			11 11 11 14	
MANI	22	0840	0848	0845	N06	W13	.224	11565	21.4	8	-B	2	0845	.83	.85			
CATA	22	0840	0905	0845	N05	W13	.224	11565	21.4	25	-B	C	0845	1.16	1.19	292	E	
ARCE	22	0840	0854	0844	N07	W13	.225	11565	21.4	14	-F	C	0844	.96	1.00			
TEHR	22	0840	0853	0845	N06	W13	.224	11565	21.4	13	-B	3 C		.55			FH	
CRON	22	0840	0854	0842	N06	W13	.224	11565	21.4	14	-N	2 C	0842	.43	.43			
BUCA	22	0840	0925		N05	W13	.224	11565	21.4	45	-N	C	0845	.65	.60			
CANR	22	0841U	0857	0845	N05	W12	.207	11565	21.5	160	-N	2 C	0845	.54	.54			
HTPR	22	0841	0852	0845	N06	W13	.224	11565	21.4	11	-B	C	0845	1.03	1.00		E	
ABST	22	0841	0855	0847	N06	W14	.241	11565	21.3	14	1N	P	0847	2.34	2.40	71	FJ	
ZURI	22	0842	0850	0844	N06	W15	.258	11565	21.2	8	-B	C	0844	.84	.90			
CAPS	22	0848E	08550		N10	W15	.269	11565	21.2	70	-N	2 V	0849	.80	.80	182		
979 RAMY	22	1607	1621	1610	N06	W18	.308	11565	21.3	14	--F	2 C		.46			D 3	
2 STATIONS REPORTING GROUP 40980. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP40980	22	1644	1703	1646	N07	W15	.259	11565	21.6	19	--F			.12			2 2 1 3	
HUAN	22	1642	1655	1646	N07	W14	.242	11565	21.6	13	-F	2 C	1646	.12	.13		D	
BOUL	22	1646	1711	1646	N07	W16	.276	11565	21.5	25	-F	3 V						
980 HUAN	22	1653	1656	1654U	N12	W07	.167	11565	22.2	3	*-F	1 P	1654	.21	.21		D 3	
GRP40988	23	0940	1003	0949	N13	W16	.302	11565	22.2	23	--F			.36			4 3 2 15	
HTPR	23	0932	1015	0951	N15	W15	.304	11565	22.3	43	-F	C	0951	.52	.50			
ATHN	23	0934	1011	0936	N14	W18	.338	11565	22.0	37	-N	2 C		.50			D	
ONDR	23	0942	0950		N13	W17	.317	11565	22.1	8	-F	V	0945			2.00	CD	
TEHR	23	0945	1003	0946	N12	W17	.311	11565	22.1	18	-N	3 C		.19			D	
GRP40991	23	1708	1717	1711	N07	W21	.358	11565	22.1	9	--F			.23			2 2 2 5	
RAMY	23	1704	1714	1706	N08	W21	.359	11565	22.1	10	-F	2 C		.28			D	
HUAN	23	1711	1719	1715	N06	W20	.341	11565	22.2	8	-F	2 C	1715	.18	.19		D	
GRP40992	23	1748	1826	1800	N08	W20	.343	11565	22.2	38	--F			.36			2 2 1 6	
LOCK	23	1748	1825	1757	N07	W20	.341	11565	22.2	37	-F	C					H	
PALE	23	1756E	1809	1802	N08	W20	.343	11565	22.2	130	-F	2 C		.36			F	
PALE	23	1817	1827	1821	N08	W20	.343	11565	22.3	10	-F	2 C		.19				
GRP40993	23	1907	1918	1911	N07	W22	.374	11565	22.1	11	--N			.29			5 5 4 5	
PALE	23	1905	19130	1913	N08	W22	.375	11565	22.1	80	-N	2 C		.36			H	
LOCK	23	1907	1919	1911	N07	W21	.358	11565	22.2	12	-N	C					H	
BOUL	23	1908	1917	1912	N07	W22	.374	11565	22.1	9	-N	2 C	1912	.22	.23			
RAMY	23	1908	19140	1910	N08	W21	.359	11565	22.2	60	-N	1 C		.28			D	
HUAN	23	1908	1917	1911	N07	W22	.374	11565	22.1	9	-N	2 C	1911	.30	.32		D	
GRP40994	23	1947	2007	1952	N08	W22	.375	11565	22.2	20	--F			.27			2 2 1 4	
PALE	23	1946	2003	1950	N08	W22	.375	11565	22.2	17	-F	2 C		.27			FH	
LOCK	23	1947	2010	1953	N07	W22	.374	11565	22.2	23	-F	C					H	
997 LOCK	23	2218	2229	2222	N07	W24	.406	11565	22.1	11	--F	C					H 3	
998 PALE	23	2242E	2247	2242	N07	W23	.390	11565	22.2	50	--F	2 C		.19			F 3	
	23	2400	0001	NO FLARE PATROL														
GRP41000	24	0522	0532	0525	N06	W27	.452	11565	22.2	10	--N			.42			3 3 3 7	
ATHN	24	0521	0531	0527	N06	W27	.452	11565	22.2	10	-N	2 C		.50			F	
MANI	24	0522	0529	0524	N07	W27	.453	11565	22.2	7	-N	2	0524	.41	.46			
TEHR	24	0524	0537	0525	N06	W27	.452	11565	22.2	13	-N	4 C		.36			DH	
GRP41004	24	1213	1218	1215	N06	W31	.513	11565	22.2	5	--N			.17			4 4 3 12	
TEHR	24	1212	1217	1215	N06	W31	.513	11565	22.2	5	-N	3 C		.09			D	
ONDR	24	1213	1218	1215	N06	W31	.513	11565	22.2	5	-F	V	1215			1.70	CD	
HUAN	24	1213	1217	1215	N06	W32	.528	11565	22.1	4	-N	2 C	1215	.18	.21		D	
CATA	24	1215	1220	1215	N06	W31	.513	11565	22.2	5	-N	C	1215	.23	.27	170		
GRP41011	24	1528	1531	1529	N08	W31	.514	11565	22.3	3	--N			.45			2 2 2 7	
RAMY	24	1527	1531	1528	N08	W32	.529	11565	22.2	4	-N	2 C		.37			D	
ZURI	24	1528	1530	1529	N07	W29	.483	11565	22.5	2	-N	C	1529	.53	.60			

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OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1971 OCT																	
	24	2058	2102															
	24	2114	2130															
	24	2151	2221															
	24	2227	2229															
015 PALE	24	2229E	2252	2232	N16	W27	.479	11569	22.9	230	--F	2 C		.45			F 3	
GRP41018	25	0434	0451	0443	N05	W40	.641	11565	22.2	17	--N			.30			2 2 2 5	
TEHR	25	0432	0451	0443	N05	W39	.627	11565	22.3	19	-N	3 C		.07			DH	
MITK	25	0436	0451	0442	N05	W40	.641	11565	22.2	15	-N	C	0442	.52	.70		D	
GRP41024	25	0923	0938	0928	N12	E36	.591	11577	28.1	15	--N			.98			10 10 .9 14	
CAPE	25	0918	0934	0927	N11	E36	.589	11577	28.1	16	-F	C	0927	.89	1.10		D	
ATHN	25	0923	0937	0928	N12	E37	.605	11577	28.2	14	-N	3 C		.50			F	
TEHR	25	0923	0942	0927	N12	E36	.591	11577	28.1	19	-N	4 C		.28			E	
ISTA	25	0923	0935		N13	E36	.593	11577	28.1	12	-F							
HTPR	25	0923	0932	0926	N12	E36	.591	11577	28.1	9	-N	C	0926	.83	1.00			
ZURI	25	0924	0934	0928	N12	E34	.563	11577	27.9	10	-F	C	0928	.84	1.00			
MONT	25	0924	0932	0927	N12	E37	.605	11577	28.2	8	-N	C	0927	.31				
CAPS	25	0925	0934		N14	E34	.569	11577	27.9	9	-N	4 V	0927	.40	.50		175	
CATA	25	0925	0945	0930	N14	E36	.596	11577	28.1	20	-N	C	0930	.63	.80		190	
WEND	25	0927E	0946		N12	E35	.577	11577	28.0	190	1N	V		4.13				
HTPR	25	0937	0943	0939	N12	E38	.618	11577	28.3	6	-F	C	0939	.21	.30			
GRP41025	25	1137	1215	1147	N13	E34	.566	11577	28.0	38	-N			1.60			13 13 11 14	
WEND	25	1134	1238	1151	N12	E34	.563	11577	28.0	64	2N	P		7.22				
MONT	25	1134	1211	1141	N13	E32	.538	11577	27.9	37	-F	C	1141	.72				
RAMY	25	1135	1215	1146	N13	E34	.566	11577	28.0	40	-F	2 C		.57			D	
RAMY	25	1135	1215	1137	N13	E34	.566	11577	28.0	40	-F	2 C		.26				
HTPR	25	1136	1207	1143	N14	E33	.555	11577	28.0	31	-N	C	1143	.83	1.00			
ZURI	25	1136	1210	1144	N12	E33	.549	11577	28.0	34	-N	C	1144	1.47	1.70			
CAPS	25	1136	1220D		N15	E35	.585	11577	28.1	440	-N	3 V	1145	1.00	1.20		182	
CAPE	25	1136	1225	1152	N11	E34	.561	11577	28.0	49	-N	C	1152	.98	1.20			
ATHN	25	1138	1209	1151	N13	E36	.593	11577	28.2	31	-N	3 C		.99			F	
ATHN	25	1138	1209	1142	N13	E36	.593	11577	28.2	31	-N	3 C		.50				
CAPF	25	1140E	1155D		N13	E36	.593	11577	28.2	150	1N	P	1144	1.86	2.34		219	
CATA	25	1140	1240	1150	N13	E33	.552	11577	28.0	60	-B	C	1150	1.33	1.61			
ISTA	25	1140	1152		N13	E36	.593	11577	28.2	12	-F						E	
ONDR	25	1141E	1222		N12	E34	.563	11577	28.0	410	1N	V	1149			2.20		
TEHR	25	1152E	1207D		U	N14	E33	.555	11577	28.0	150	-N	4 C		.64			C
GRP41027	25	1306	1329	1311	N08	W49	.752	11565	21.9	23	1F			2.52			8 6 5 12	
LVOV	25	1303	1345	1314	N08	W52	.785	11565	21.6	42	2F	C	1314	5.16	8.30		62	
ONDR	25	1306E	1331		N07	W47	.729	11565	22.0	250	1F	V	1314			2.00	F	
RAMY	25	1307	1335	1311	N07	W50	.763	11565	21.8	28	-F	4 C		.72			CHR	
HTPR	25	1308	1325	1310	N07	W49	.752	11565	21.9	17	-F	C	1310	.52	.70		D	
MONT	25	1308	1316	1311	N08	W50	.763	11565	21.8	8	-N	C	1311	2.06				
ATHN	25	1309E	1320	1311	N06	W60	.863	11565	21.0	110	-N	2 C		.66			D	
WEND	25	1310E	1321		N08	W48	.740	11565	21.9	110	1N	V		4.13			C	
HUAN	25	1337E	1340D		N07	W48	.740	11565	22.0	30	-F	1 P	1337	.45	.69		E	
033 PALE	26	0043	0047	0044	N06	W58	.845	11565	21.7	4	--F	2 C		.27			3	
GRP41035	26	0559	0613	0605	N10	W60	.863	11565	21.7	14	--N			.35			2 2 2 6	
ATHN	26	0557	0614	0604	N08	W62	.880	11565	21.6	17	-N	2 C		.50			D	
TEHR	26	0601	0612	0605	N11	W58	.845	11565	21.9	11	-N	3 C		.19			F	
GRP41037	26	0635	0658	0639	N21	E46	.736	11578	29.7	23	--F			.83			2 2 1 4	
ATHN	26	0635	0709	0639	N21	E48	.757	11578	29.9	34	-N	3 C		.83			D	
TEHR	26	0637E	0647	0638	N20	E44	.711	11578	29.6	100	-F	3 C					D	
GRP41041	26	0923	0937	0927	N13	E23	.408	11577	28.1	14	--N			.31			3 3 2 4	
ISTA	26	0920	0937		N12	E24	.418	11577	28.2	17	-F						E	
CATA	26	0925	0940	0925	N13	E23	.408	11577	28.1	15	-N		0925	.29	.32		178	
ATHN	26	0925	0934	0928	N13	E22	.393	11577	28.0	9	-N	3 C		.33			D	
GRP41042	26	1110	1138	1113	N12	E21	.373	11577	28.0	28	--N			.67			5 5 4 6	
CAPE	26	1107	1132	1113	N12	E21	.373	11577	28.0	25	-N	C	1113	.94	1.00			
ATHN	26	1109	1126	1112	N12	E21	.373	11577	28.0	17	-N	3 C		.66			D	
ISTA	26	1109	1140		N12	E22	.388	11577	28.1	31	-F						E	
CAPS	26	1110	1129		N11	E20	.353	11577	28.0	19	-B	2 V	1113	.50	.50		190	
CATA	26	1115	1205	1115	N13	E22	.393	11577	28.1	50	-N	C	1115	.58	.63		199	

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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	MCMAH PLAGE REGION	CMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP41044 ATHN CAPS ISTA CATA	26	1206	1221	1209	S05	E18	.351	11575	27.9	15	--F		.77				4 4 3 5
	26	1203	1217	1207	S05	E18	.351	11575	27.9	14	-F	3 C	.66				D
	26	1205E	1217		S04	E18	.344	11575	27.9	120	-N	1 V	.50	.50		160	
	26	1206	1220		S05	E19	.366	11575	27.9	14	-F						D
	26	1210	1230	1210	S06	E18	.359	11575	27.9	20	-N	C	1210	1.16	1.24	174	
047 BOUL	26	1701	1722	1713	N06	W77	.973	11565	20.9	21	--F	2 V					1
048 BOUL	26	1721	1737	1721	N20	W44	.711	11569	23.4	16	--F	2 V					1
049 BOUL	26	1727	1742	1729	N20	W44	.711	11569	23.4	15	--F	2 V					1
GRP41051 PALE PALE BOUL	26	1851	1919	1858	N22	E59	.861	11580	31.2	28	--N		.36				2 2 1 2
	26	1850	19250	1858	N21	E59	.860	11580	31.2	350	-N	2 C	.36				F
	26	1850	19250	1913	N21	E59	.860	11580	31.2	350	-N	2 C	.45				
	26	1851	1912	1858	N22	E59	.861	11580	31.2	21	-N	3 V					
052 LOCK	26	2230	2240	2234	N11	W72	.948	11565	21.5	10	--F	C					3
053 LOCK	26	2305	2325	2318	N11	W72	.948	11565	21.6	20	--F	C					1
	26	2353	0023	NO FLARE PATROL													
054 TEHR	27	0436	0442	0440	N10	W76	.968	11565	21.5	6	--F	2 C	.09				D 3
GRP41055 MITK CULG TEHR	27	0453	0511	0458	N11	W76	.968	11565	21.5	18	1N		.88				3 3 3 3
	27	0452	0515	0457	N11	W75	.963	11565	21.6	23	1N	C	0457	1.44			D
	27	0453	0505	0458	N11	W78	.976	11565	21.4	12	1B	C	0458	.83			
	27	0500E	0512	0500	N10	W75	.963	11565	21.6	120	-N	2 C	.36				D
GRP41056 TEHR MITK	27	0530	0538	0533	N12	W76	.967	11565	21.5	8	--F		.67				2 2 2 3
	27	0530	0536	0534	N12	W76	.967	11565	21.5	6	-F	2 C	.09				D
	27	0530	0540	0532	N11	W75	.963	11565	21.6	10	1F	C	0532	1.24			D
GRP41057 ATHN TEHR ATHN MONT	27	0810	0818	0813	N11	W78	.976	11565	21.5	8	-N		.44				3 3 3 8
	27	0752E	0818	0757	N10	W82	.988	11565	21.2	260	-N	2 C	.50				F
	27	0810	0818	0812	N12	W76	.967	11565	21.6	8	-F	2 C	.09				DH
	27	0810	0829	0813	N12	W80	.982	11565	21.3	19	-N	1 C	.50				F
	27	0811	0819	0814	N11	W78	.976	11565	21.5	8	-N	C	0814	.72			
GRP41061 TEHR ATHN CAPS	27	1014	1025	1017	N22	W53	.809	11569	23.5	11	--F		.34				3 3 3 7
	27	1013	1029	1018	N23	W54	.820	11569	23.4	16	-F	3 C	.19				FH
	27	1014	1025	1016	N22	W56	.836	11569	23.2	11	-F	1 C	.33				D
	27	1015	1022		N22	W50	.780	11569	23.7	7	-F	V	1020	.50	.60	150	H
GRP41065 MONT CATA	27	1410	1419	1411	N19	W57	.841	11569	23.3	9	--N		.17				2 2 2 8
	27	1409	1417	1412	N19	W57	.841	11569	23.3	8	-F	C	1412	.10			
	27	1410	1420	1410	N18	W56	.831	11569	23.4	10	-B	C	1410	.23	.43	219	
067 HUAN	27	1714	1719	1716	S07	E76	.973	11581	2.4	5	--F	2 C	1716	.18			3
	27	2107	2139	NO FLARE PATROL													
	27	2200	2202	NO FLARE PATROL													
GRP41068 CULG VORO	27	2347	0033	2353	N19	W62	.883	11569	23.3	46	--F		.99				2 2 2 3
	27	2346	00140	2353	N20	W61	.876	11569	23.4	280	1N	P	2353	1.24	2.40		
	27	2347	0033	2352	N17	W62	.881	11569	23.3	46	-F	C	2352	.74	1.50	65	EJ
069 VORO	28	0003	0013	0006	S02	W02	.123	11575	27.9	10	--F	C	0006	.74	.70	69	D 3
071 TEHR	28	0527	0538	0527	N15	W62	.881	11569	23.6	11	--N	3 C	.19				D 2
GRP41072 CAPE TEHR	28	0702	0718	0708	N11	W88	.999	11565	21.7	16	--F		.54				2 2 2 3
	28	0700	0723	0709	N11	W88	.999	11565	21.7	23	-F	C	0709	.89			
	28	0704	0713	0706	N11	W88	.999	11565	21.7	9	-N	3 C	.19				D
GRP41073 TEHR ARCE	28	0823	0843	0825	N20	W63	.891	11569	23.6	20	--F		.30				2 2 2 7
	28	0823	0840	0825	N20	W64	.898	11569	23.5	17	-N	4 C	.19				F
	28	0826E	08450		N19	W62	.883	11569	23.7	190	-F	C	0829	.40	.90		
081 LOCK	28	1940	1950	1944	S03	W17	.320	11575	27.5	10	--F	C					3
GRP41082 VORO PALE	29	0118	0132	0121	S03	W20	.365	11575	27.6	14	--F		.41				2 2 2 4
	29	0117	0133	0122	S03	W21	.380	11575	27.5	16	-F	C	0122	.46	.50	63	DJ
	29	0119	0131	0120	S03	W19	.350	11575	27.6	12	-F	3 C	.36				
083 TEHR	29	0404	0412	0406	N12	E37	.606	11580	31.9	8	--N	3 C	.09				D 3

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1971 OCT	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
084 TEHR	29	0427	0436	0434	N15	E35	.587	11580	31.8	90	--N	4 C		.19				D	2
085 TEHR	29	0428	0436	0433	N13	W16	.306	11577	28.0	80	--N	4 C		.19				FU	2
GRP41092	29	1342	1409	1350	N18	W83	.990	11569	23.3	27	-N			.51				3 3 2 8	
MONT	29	1340	1408	1351	N18	W81	.985	11569	23.5	28	-N	C	1351	.72					
HUAN	29	1341	1408	1349	N18	W84	.992	11569	23.3	27	-N	P	1349	.30	.63			D	
MCMA	29	1345	1410	1349	N19	W83	.990	11569	23.3	25	-N	C	1349					D	
GRP41094	29	1528	1545	1532	S08	W20	.401	11575	28.1	17	--F			.47				2 2 2 3	
RAMY	29	1527	1545	1529	S07	W20	.393	11575	28.1	18	-F	2 C		.36				D	
HUAN	29	1529	1545	1534	S08	W20	.401	11575	28.1	16	-N	2 C	1534	.58	.63				
095 HUAN	29	1618	1623	1619	N16	W87	.997	11569	23.2	5	--F	1 C	1619	.12				D	3
GRP41096	29	1622	1703	1640	N12	W24	.420	11577	27.9	41	--F			.45				2 2 1 3	
LOCK	29	1615	1715	1640	N11	W25	.431	11577	27.8	60	-F	8 C							
HUAN	29	1629	1650		N12	W23	.405	11577	28.0	21	-F	2 P	1637	.45	.50			E	
GRP41100	30	2127	2154	2136	S10	W44	.722	11575	27.6	27	-N			.71				2 2 1 3	
LOCK	30	2120	2154	2136	S10	W43	.710	11575	27.7	34	-N	C							
HUAN	30	2133	2150	2135	S09	W44	.718	11575	27.6	170	-N	1 P	2135	.71	.99			E	
GRP41107	31	1611	1624	1614	S08	E82	.992	11591	6.8	13	--F			.28				2 2 1 3	
RAMY	31	1610	1625	1613	S08	E79	.984	11591	6.6	15	-F	2 C		.28				D	
MCMA	31	1612	1623	1614	S08	E85	.997	11591	7.0	11	-F	C	1614					D	
GRP41111	31	2007	2022	2012	S08	W57	.850	11575	27.6	15	--F			.56				2 2 1 3	
LOCK	31	2005	2025	2013	S07	W58	.857	11575	27.5	20	-F	C							
RAMY	31	2009	2019	2011	S08	W56	.841	11575	27.6	10	-N	2 C		.56				D	

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 = Plage with flare shows marked intensity variations.
 K = Several intensity maxima.
 L = Filaments show effects of sudden activation.
 M = White-light flare.

N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H or K.
 P = Flare shows helium D_3 in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in $H\alpha$ 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 $H\alpha$ emission.
 Y = Onset of a system of loop-type prominences.
 Z = Major sunspot umbra covered by flare.

Note:

A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.
 When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

In the importance column "--" signifies the subflare has been confirmed by the NOAA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity 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
711001	4.56	24.0	711013	0.00	22.5	711021	0.00	23.8
711002	6.39	24.0	711014	0.00	23.1	711022	14.02	24.0
711003	163.56	24.0	711015	1.23	23.8	711023	0.00	24.0
711004	9.76	23.9	711016	39.69	23.9	711024	0.00	23.1
711007	5.07	24.0	711017	4.07	22.3	711025	52.10	24.0
711010	32.29	23.9	711018	8.27	24.0	711026	0.00	23.5
711011	2.51	24.0	711019	69.19	23.5	711027	5.16	23.4
711012	1.48	24.0	711020	11.04	24.0	711029	1.37	24.0
						711030	2.66	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 1971 OCT	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.												
740 MANI	01	0031	0043	0033	N20	E27	.490	11536	3.0	12	-F	2	0033	.21	.24			3
742 MANI	01	0346	0351	0347	N13	E43	.679	11537	4.4	5	-N	2	0347	.21	.28			5
746 ATHN	01	0904	0908	0906	S01	W18	.335	11533	30.0	40	-F	2	C		.17		D	7
747 TEHR	01	1006	1025	1008	S19	W73	.972	11531	25.9	19	-F	3	C		.09		D	7
748 ATHN	01	1219	1231	1222	N13	E41	.654	11537	4.6	12	-F	2	C		.33		D	8
749 LOCK	01	1913	1923	1917	S06	W16	.349	11534	30.6	10	-F		C					4
752 CULG	01	2317	2359	2344	S14	W87	1.000	11531	25.4	42	1N		C	2344	.52			4
754 ATHN	02	0721	0738	0724	S05	W23	.435	11534	30.6	17	-F	2	C		.17		D	11
755 ARCE	02	0845E	0855D		N14	W86	.995	11528	25.9	100	-F		C	0845	.20			12
758 ATHN	02	1139	1145	1142	N10	E85	.994	11542	8.9	6	-F	2	C				D	10
GRP40761	02	1535	1601	1541	S07	W26	.490	11534	30.7	26	-F				.48		2 2 2 10	
HTPR	02	1534	1600	1545	S08	W24	.471	11534	30.8	26	-F		C	1545	.31	.30	E	
RAMY	02	1535	1601	1537	S06	W27	.497	11534	30.6	26	-F	2	C		.65		D	
763 PALE	02	1955	2005	1957	N14	E22	.388	11537	4.5	10	-F	3	C		.19			4
764 RAMY	02	2024E	2034D	2028	N16	E26	.456	11537	4.8	100	-N	3	C		.93		D	5
766 PALE	02	2353	0000D	2355	N17	E28	.488	11537	5.1	70	-N	3	C		.27			4
768 PALE	03	0215	0228	0218	N13	E20	.353	11537	4.6	13	-F	2	C		.45		F	5
770 TEHR	03	0439	0505	0449	S18	W28	.602	11534	1.1	26	-F	3	C		.25		F	4
771 TEHR	03	0540	0549	0544	N14	E17	.313	11537	4.5	9	-N	4	C		.09		D	7
GRP40773	03	0652	0713	0703	S12	W32	.600	11534	30.9	21	-F				.58		2 2 2 9	
ATHN	03	0650	0707	0652	S10	W39	.672	11534	30.4	17	-F	2	C		.33		D	
TEHR	03	0653	0714	0659	S16	W26	.563	11534	1.3	21	-N	4	C		.66		F	
ATHN	03	0703	0712	0707	S06	W36	.617	11534	30.6	9	-F	2	C		.50		D	
775 ATHN	03	0940	0952	0943	N23	E86	.994	11543	9.9	12	-F	3	C		.33		D	12
777 CANR	03	1228	1230D	1230	N14	E12	.240	11537	4.4	20	-F	3	V	1230		.60		7
GRP40778	03	1234	1251	1239	N12	E13	.240	11537	4.5	17	-N				.83		2 2 1 7	
ATHN	03	1231	1251	1239	N12	E15	.271	11537	4.6	20	-N	3	C		.83		D	
CANR	03	1236	1236D		N11	E11	.203	11537	4.3		-N	2	V			2.00		
782 PALE	04	0155	0207D	0158	N18	E14	.306	11537	5.1	120	-F	2	C		.27			4
783 TEHR	04	0324	0336	0326	S08	W36	.626	11534	1.4	12	-N	3	C		.36		F	6
784 ATHN	04	0907	0917	0910	S06	W51	.793	11534	30.6	10	-F	3	C		.33		D	11
785 ATHN	04	1040	1049	1045	S18	E78	.987	11544	10.3	9	-F	3	C		.33		DH	6
786 ATHN	04	1154	1203	1159	N17	E04	.193	11537	4.8	9	-F	3	C		.33		D	6
787 ATHN	04	1221	1241	1226	S09	E03	.273	11540	4.7	20	-F	3	C		.17		D	9
789 MCMA	04	1602	1632		S09	E03	.273	11540	4.9	30	-F		C	1626	.21	.20	D	5
794 TEHR	05	0632	0649	0637	S09	W04	.276	11540	5.0	17	-F	4	C		.19		D	6
GRP40797	05	0953	1000	0954	S06	W05	.233	11540	5.0	7	-F				.09		2 2 1 8	
TEHR	05	0950	1000	0954	S03	W04	.179	11540	5.1	10	-F	4	C		.09		HD	
CANR	05	0955	0955D		S09	W06	.286	11540	5.0		-N	2	V			.50		
GRP40798	05	1149	1220	1158	S09	W07	.293	11540	5.0	31	-F				.25		2 2 2 13	
HTPR	05	1147	1220	1155	S10	W06	.302	11540	5.0	33	-F		C	1155	.21	.20		
CATA	05	1150	1205D	1200	S08	W08	.285	11540	4.9	150	-N		P	1200	.29	.30	182	T
799 HTPR	05	1620E	1625D		S08	W58	.863	11534	1.3	50	-F		C	1621	.31	.50		5
803 MANI	05	2331	2334	2334	S09	W15	.367	11540	4.9	3	-F	2		2334	.15	.16		6
804 TEHR	06	0339	0350	0345	S10	W70	.949	11534	30.9	11	-N	3	C		.09		D	5

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	DATE 1971 OCT	START	END	MAX. PHASE	APPROX. LAT.	CENTRAL MER. DIST.	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
805 TEHR	06	0345	0408	0404	N19	W44	.702 11536	2.9	23	-F	3	C		.09				4
GRP40808	06	0730	0752	0735	S09	W19	.414 11540	4.9	22	-N				2.16				2 2 2 11
TEHR	06	0730	0747	0735	S09	W18	.402 11540	5.0	17	-N	4	C		.19				F
WEND	06	0733E	0757		S08	W19	.404 11540	4.9	24D	1N		V		4.13				
809 TEHR	06	0826	0834	0827	N07	W18	.307 11537	5.0	8	-F	4	C		.09				D 12
814 TEHR	07	0615	0625	0616	N16	W34	.568 11537	4.7	10	-N	3	C		.19				D 5
818 LOCK	07	1748	1753	1750	S12	W41	.704 11540	4.7	5	-F		C						5
819 BOUL	07	2107	2120	2110	N15	W43	.682 11537	4.7	13	-F	3	V						4
GRP40822	08	1230	1242	1235	S11	W48	.775 11540	4.9	12	-F				.18				2 2 2 12
TEHR	08	1229	1242	1235	S12	W48	.779 11540	4.9	13	-F	3	C		.19				D
ATHN	08	1231	1242	1235	S09	W48	.769 11540	4.9	11	-F	4	C		.17				D
824 HUAN	08	1523	1533		N08	E02	.045 11542	8.8	10	-F	1	P	1528	.18	.18			D 13
826 HUAN	08	1624	1634		N08	E02	.045 11542	8.8	10	-F	1	P	1625	.21	.21			E 8
830 CRON	09	0056E	0110	0057	N05	W04	.073 11542	8.7	14D	-F	3	V		.70				3
831 ATHN	09	0520	0534	0522	N12	W58	.843 11537	4.9	14	-F	3	C		.33				D 6
832 ATHN	09	0729	0736	0731	N12	E80	.981 11555	15.3	7	-F	3	C		.17				D 13
833 ATHN	09	0820	0835	0825	N09	W10	.178 11542	8.6	15	-F	3	C		.17				D 13
834 ATHN	09	0932	0939	0933	S20	E33	.666 11552	11.9	7	-N	3	C		.33				DH 9
835 ATHN	09	1052	1106	1056	N09	W11	.195 11542	8.6	14	-F	3	C		.33				D 9
836 ATHN	09	1059	1109	1104	N12	E79	.978 11555	15.4	10	-F	3	C		.33				D 9
837 ATHN	09	1358	1411	1404	N10	E77	.971 11555	15.4	13	-F	3	C		.33				D 10
GRP40838	09	1511	1535	1519	N12	E67	.915 11555	14.7	24	-F				.66				2 1 1 8
ATHN	09	1511	1535D	1519	N12	E67	.915 11555	14.7	24D	-F	3	C		.66				D
RAMY	09	1515	1609	1530	N12	E67	.915 11555	14.7	54	-F	3	C		.84				DS
842 ATHN	10	0738	0749	0741	S12	W80	.989 11540	4.3	11	-F	3	C		.33				D 6
843 ATHN	10	0839	0851	0841	N10	W26	.438 11542	8.4	12	-F	3	C		.33				D 10
845 ATHN	10	1311	1324	1314	N05	E01	.028 11558	10.6	13	-F	3	C		.33				D 9
846 HUAN	10	1408	1419D	1410U	N13	E63	.886 11555	15.3	11D	-F	1	P	1410	.21	.44			D 11
848 RAMY	10	1811	1823	1816	N15	E41	.658 11547	13.8	12	-F	2	C		.65				D 6
849 LOCK	10	2226	2237	2230	S11	W80	.989 11540	4.9	11	-F		C						4
851 CATA	11	0640	0715	0645	S13	W90	1.000 11540	4.5	35	-F		C	0645	.46			135	11
852 TEHR	11	0724	0734	0727	S09	W03	.267 11546	11.1	10	-F	3	C		.09				D 9
853 ATHN	11	0801E	0806D	0801	N12	E52	.784 11555	15.2	5D	-F	2	C		.50				D 9
854 TEHR	11	1011	1017	1012	N18	E44	.701 11555	14.7	6	-F	3	C		.09				D 8
GRP40855	11	1306	1316	1310	S07	W80	.987 11559	5.5	10	-F				.27				2 2 2 13
ATHN	11	1305	1316	1308	S08	W79	.985 11559	5.6	11	-F	2	C		.33				D
MONT	11	1307	1316	1312	S06	W80	.987 11559	5.5	9	-F		C	1312	.21				
856 ATHN	11	1517	1526	1521	S07	W80	.987 11559	5.6	9	-F	1	C		.17				D 12
857 BOUL	11	1530	1548	1530	S05	W82	.992 11559	5.5	18	-F	3	V						10
858 MCMA	11	1939	1945	1941	S05	W85	.997 11559	5.4	6	-N		C	1941					D 4
859 BOUL	11	2016	2037	2016	S07	W84	.996 11559	5.5	21	-F	3	V						4
GRP40861	12	0653	0749	0715	S15	E54	.844 11554	16.3	56	-F				.68				2 2 2 11
ATHN	12	0650	0759	0711	S14	E56	.858 11554	16.5	69	-F	2	C		1.16				F
TEHR	12	0655	0738	0718	S16	E52	.829 11554	16.2	43	-N	2	C		.19				F

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1971 OCT	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. %	
GRP40863 ABST CATA	12	0731	0828	0735	S06	W89	1.000	11559	5.6	57	1F		1.08				2 1 1 12
	12	0731E	08280	0735	S06	W89	1.000	11559	5.6	570	1F	0735	1.08				EJ
	12	0800E	08200	0810	S07	W90	1.000	11559	5.6	200	1F	0810	.63			59 129	
865 TEHR	12	1338	13460	1345	S23	W29	.651	11544	10.4	80	-F 2 C		.09				D 9
868 TEHR	13	0544	0559	0546	N09	W62	.879	11542	8.6	15	-F 1 C		.09				D 4
869 TEHR	13	0604	0614	0606	N11	E27	.456	11555	15.3	10	-F 3 C		.09				D 6
GRP40870 ATHN TEHR	13	0716	0728	0718	N10	W64	.894	11542	8.5	12	-F		.30				2 2 2 7
	13	0715	0732	0718	N11	W63	.886	11542	8.6	17	-F 3 C		.50				D
	13	0716	0723	0718	N08	W64	.895	11542	8.5	7	-N 3 C		.09				D
871 TEHR	13	0808	0817	0811	S08	W28	.519	11546	11.2	9	-N 3 C		.09				D 9
GRP40872 ATHN TEHR	13	0849	0859	0850	N14	W51	.774	11542	9.5	10	-F		.21				2 2 2 12
	13	0848	0859	0850	N15	W51	.775	11542	9.5	11	-F 3 C		.33				D
	13	0849	0858	0850	N12	W51	.773	11542	9.5	9	-F 3 C		.09				D
873 ATHN	13	0905	0923	0908	S06	W18	.368	11552	12.0	18	-F 3 C		.33				D 13
874 ATHN	13	0928	0941	0931	S12	W08	.337	11552	12.8	13	-F 3 C		.17				D 13
GRP40876 ATHN TEHR	13	1148	1159	1151	S13	W09	.359	11552	12.8	11	-F		.21				2 2 2 9
	13	1147	1158	1149	S12	W09	.344	11552	12.8	11	-F 3 C		.33				D
	13	1148	1159	1152	S13	W09	.359	11552	12.8	11	-N 3 C		.09				D
877 BOUL	13	1415	1424	1418	S12	W08	.337	11552	13.0	9	-F 2 V						5
878 ATHN	13	1503	1516	1505	S12	W11	.360	11552	12.8	13	-F 2 C		.33				D 7
880 MANI	14	0315E	0333	0318	S13	W18	.439	11552	12.8	180	-N 2	0318	.31	.34			3
881 ATHN	14	0524	0535	0527	S14	W52	.822	11544	10.3	11	-N 2 C		.17				D 6
882 ATHN	14	0758	0811	0803	N08	W78	.976	11542	8.5	13	-F 1 C		.33				D 8
GRP40883 TEHR KHAR	14	1122	1152	1132	S13	W21	.472	11552	12.9	30	-N		.28				2 1 1 8
	14	1122	1152	1132	S13	W21	.472	11552	12.9	30	-N 4 C		.28				F
	14	1145	1200		S12	W24	.498	11552	12.7	15	1F	1150	2.94	3.60	1.80		EH
884 ATHN	14	1140	1156	1143	N08	W79	.979	11542	8.6	16	-F 2 C		.33				D 9
885 TEHR	14	1232	1254	1242	S13	W22	.484	11552	12.9	22	-N 4 C		.19				D 5
886 CATA	15	0605E	07450	0630	N08	E90	1.000	11565	22.0	1000	-F	0630	.52			129	9
887 TEHR	15	0709	0715	0710	S14	W38	.677	11552	12.4	6	-F 4 C		.09				D 9
888 ARCE	15	0923E	09350		N07	E90	1.000	11565	22.1	120	-F	0929	.55				9
GRP40889 ISTA KHAR	15	1000	1050		N06	E89	1.000	11565	22.1	50	-N						2 2 0 9
	15	1000	1045		N07	E90	1.000	11565	22.2	45	-N						G
	15	1030	1055		N05	E87	.998	11565	22.0	25	1N	P			3.20		HO
890 RAMY	15	1207	1231	1210	N16	W22	.404	11547	13.9	24	-F 3 C		.93				D 6
891 HUAN	15	1656	1704	1658	N08	E89	1.000	11565	22.4	8	-N 1 C	1658	.23				E 5
892 HUAN	15	1754	1815	1802	N08	E89	1.000	11565	22.4	21	-N 2 C	1802	.56				E 3
901 ATHN	16	0721	0731	0723	N07	E77	.972	11565	22.1	10	-F 3 C		.17				D 8
902 CATA	16	0740	0755	0740	S15	W48	.787	11552	12.7	15	-N	0740	.75	1.25		160	9
GRP40903 ATHN HTPR	16	0753	0804	0756	N07	E76	.968	11565	22.0	11	-F		.32				2 2 2 12
	16	0752	0808	0756	N06	E76	.968	11565	22.0	16	-F 3 C		.33				D
	16	0754	0759	0756	N08	E76	.968	11565	22.0	5	-F	0756	.31				
906 ATHN	16	1220	1230	1224	N08	E74	.958	11565	22.1	10	-F 3 C		.17				D 7
908 HTPR	16	1443	1448	1445	N08	E72	.948	11565	22.0	5	-F	1445	.31				5
912 CATA	17	0620	0650	0620	N10	E48	.735	11565	20.9	30	-N	0620	.34	.53		199	T 5
913 CATA	17	0635	0655	0635	N09	E46	.712	11565	20.7	20	-N	0635	.29	.42		170	T 6
918 ATHN	18	0555E	06190	0555	N15	E57	.836	11569	22.5	240	-N 2 C		.83				D 5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE 1971 OCT	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
923 HUAN	18	1507	1513	1508U	N08	E47	.728	11565	22.2	6	-N	1	P	1508	.48	.67			E	7
925 LOCK	18	1932	1942	1936	N10	E36	.586	11565	21.5	10	-F		C						H	5
927 CRON	18	2214E	2222		N08	E53	.795	11569	22.9	80	-N	2	V		.30					6
928 MANI	19	0350E	0357	0350	N10	E43	.679	11565	22.4	70	-F	1		0350	.41	.56				3
929 TEHR	19	0733	0738	0735	N06	E36	.585	11565	22.0	5	-F	3	C		.09				D	8
930 TEHR	19	0754	0757	0755	N10	E33	.544	11565	21.8	3	-F	3	C		.11				D	8
931 TEHR	19	0758	0810	0803	N10	E34	.559	11565	21.9	12	-N	3	C		.09				D	8
933 CANR	19	1105	1112		N08	E32	.528	11565	21.9	7	-F	3	V			.60				8
GRP40935	19	1153	1213	1201	N09	E31	.514	11565	21.8	20	-F				.59				2 2 2	9
MONT	19	1153	1211	1159	N09	E32	.529	11565	21.9	18	-N		C	1159	.72					
RAMY	19	1202E	1215	1202	N08	E30	.498	11565	21.8	130	-F	4	C		.46				D	
938 MCMA	19	1511	1531	1514	N09	E34	.558	11565	22.2	20	-N		C	1514	.62	.80			E	8
942 PALE	19	2055	2104D	2056	N12	E21	.370	11565	21.4	90	-F	2	C		.45				F	4
946 MANI	20	0123	0135	0126	N12	E18	.324	11565	21.4	12	-F	2		0126	.31	.33				4
948 TEHR	20	0433	0500	0437	S11	E27	.523	11571	22.2	27	-N	4	C		.19				D	5
GRP40950	20	0556	0625	0559	N09	E19	.328	11565	21.7	29	-N				.28				2 1 1	9
TEHR	20	0556	0625	0559	N09	E19	.328	11565	21.7	29	-N	4	C		.28				F	
CATA	20	0610E	0615D	0610	N10	E22	.379	11565	21.9	50	-B		P	0610	.69	.76		204	T	
951 ATHN	20	0703	0715	0707	N09	E21	.360	11565	21.9	12	-F	2	C		.33				D	9
952 MANI	20	0730	0737	0733	S12	E27	.531	11571	22.3	7	-N	2		0733	.52	.60				11
953 HTPR	20	0855	0904	0857	N10	E20	.347	11565	21.9	9	-F		C	0857	.21	.20				12
GRP40954	20	0920	0926	0922	N10	E20	.347	11565	21.9	6	-F				.54				2 2 2	12
TEHR	20	0918	0928	0921	N10	E20	.347	11565	21.9	10	-N	5	C		.36				F	
MONT	20	0921	0923	0922	N09	E20	.344	11565	21.9	2	-F		C	0922	.72					
959 HTPR	20	1437	1446	1439	N09	E17	.296	11565	21.9	9	-F		C	1439	.10	.10				12
GRP40960	20	1548	1613	1553	N07	E16	.275	11565	21.9	25	-F								2 2 0	7
BOUL	20	1547	1613	1553	N05	E12	.207	11565	21.6	26	-F	3	V							
CANR	20	1549	1613		N08	E19	.326	11565	22.1	24	-N	2	V			.70				
962 HUAN	20	1749	1801	1755	N09	E17	.296	11565	22.0	12	-N	1	P	1755	.15	.16			D	5
GRP40963	20	1805	1818	1808	N08	E16	.277	11565	22.0	13	-F				.12				1 1 1	3
HUAN	20	1805	1810	1808U	N07	E16	.275	11565	22.0	5	-F	1	P	1808	.12	.13			E	
HUAN	20	1810	1818	1812	N09	E16	.280	11565	22.0	8	-F	1	C	1812	.07	.07			D	
966 MANI	21	0342	0358	0346	N10	E08	.159	11565	21.8	16	-N	2		0346	.31	.31				5
967 TEHR	21	0543	0550	0547	N09	E11	.199	11565	22.1	7	-N	5	C		.19				D	6
968 HTPR	21	0727	0735	0729	N08	E09	.162	11565	22.0	8	-F		C	0729	.21	.20				10
GRP40970	21	1011	1033	1013	N09	E09	.167	11565	22.1	22	-F				.19				2 2 2	9
TEHR	21	1009	1034	1012	N06	E11	.190	11565	22.2	25	-F	5	C		.28				F	
HTPR	21	1012	1018	1013	N12	E06	.154	11565	21.9	6	-F		C	1013	.10	.10				
HTPR	21	1022	1032	1023	N12	E06	.154	11565	21.9	10	-F		C	1023	.21	.20				
975 MANI	22	0749	0805	0757	N05	W07	.122	11565	21.8	16	-F	2		0757	.21	.21				10
976 ABST	22	0811	0815D	0812	N10	W04	.107	11565	22.0	40	-F		P	0812	.99	1.00		59	DJV	12
978 HTPR	22	1353	1359	1355	N06	W15	.258	11565	21.5	6	-F		C	1355	.21	.20			E	5
981 PALE	22	2025	2041	2027	N07	W12	.209	11565	22.0	16	-F	3	C		.55				F	4
982 MANI	22	2310	2321	2313	N19	E05	.251	11569	23.3	11	-F	1		2313	.21	.21				5
983 LOCK	23	0015	0024	0017	N10	W14	.253	11565	22.0	9	-F		C							4

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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	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP40984 TEHR TEHR	1971 OCT 23	0524	0540	0532	N16	W01	.187	11569	23.2	16	-F				.19				1 1 1 6
	23	0524	0540	0532	N16	W01	.187	11569	23.1	16	-F	3	C		.19				D
	23	0524	0540	0532	N16	W01	.187	11569	23.1	16	-F	3	C		.19				D
GRP40985 MANI ATHN	23	0728	0821	0740	N20	E01	.255	11569	23.4	53	-F				.37				2 2 2 12
	23	0718	0851	0741	N20	E01	.255	11569	23.4	93	-F	2		0741	.41	.42			
	23	0737	0751	0739	N19	E01	.238	11569	23.4	14	-F	2	C		.33				0
986 ATHN	23	0807	0818	0811	N08	W28	.469	11565	21.2	11	-F	2	C		.33				DH 15
987 ATHN	23	0850	0900	0852	N18	E44	.705	11583	26.7	10	-F	2	C		.17				D 16
GRP40989 TEHR HUAN	23	1221	1236	1227	S07	E65	.914	11575	28.4	15	-F				.16				2 2 2 13
	23	1220	1235	1228	S07	E63	.899	11575	28.2	15	-F	3	C		.09				D
	23	1221	1236	1225U	S07	E66	.920	11575	28.5	15	-F	2	P	1225	.23	.52			
990 LOCK	23	1649	1700	1652	N07	W20	.341	11565	22.2	11	-F		C						H 5
995 LOCK	23	2039	2046	2042	N07	W23	.390	11565	22.1	7	-F		C						H 4
996 PALE	23	2100	2107	2101	N09	W23	.393	11565	22.1	7	-F	2	C		.27				F 4
999 TEHR	24	0450	0505	0454	N18	E74	.957	11578	29.8	15	-N	3	C		.09				D 4
001 WEND	24	0723	0733		N19	W23	.444	11569	22.6	10	-F								10
002 TEHR	24	1039	1044	1040	N06	W31	.513	11565	22.1	5	-N	4	C		.09				DH 9
GRP41003 TEHR CATA	24	1144	1149	1145	N06	W31	.513	11565	22.2	5	-F				.13				2 2 2 9
	24	1143	1147	1144	N06	W31	.513	11565	22.2	4	-F	4	C		.09				D
	24	1145	1150	1145	N06	W31	.513	11565	22.2	5	-N		C	1145	.17	.20		178	
005 HUAN	24	1323	1327D	1325U	N06	W32	.528	11565	22.2	40	-N	2	P	1325	.12	.15			E 11
006 ATHN	24	1345E	1358	1348	N12	W28	.477	11565	22.5	130	-N	2	C		.50				D 11
007 CANR	24	1417	1418D	1418	N07	W39	.627	11565	21.7	10	-F	2	V	1418		.40			10
GRP41008 CATA HUAN	24	1420	1440	1420	N06	W36	.585	11565	21.9	20	-N				.23				2 1 1 12
	24	1420	1440	1420	N06	W36	.585	11565	21.9	20	-N		C	1420	.23	.29		166	
	24	1430E	1434	1431U	N06	W33	.542	11565	22.1	40	-F	2	P	1431	.25	.30			D
009 HUAN	24	1430E	1446		N06	E37	.599	11577	27.4	160	-F	2	P	1430	.18	.21			D 12
010 HUAN	24	1448	1459	1453U	N17	W17	.349	11569	23.3	11	-N	2	P	1453	.38	.41			12
012 HUAN	24	1612	1619	1615U	N17	W17	.349	11569	23.4	7	-F	2	P	1615	.12	.13			D 5
013 HUAN	24	1629	1636	1632U	N13	W39	.633	11565	21.8	7	-F	2	P	1632	.21	.27			D 5
014 HUAN	24	1634	1639	1636	N10	W32	.531	11565	22.3	5	-F	2	C	1636	.28	.33			D 5
016 VORO	25	0104	0109	0105	N05	W39	.627	11565	22.1	5	-F		C	0105	.46	.60		78	D 4
017 TEHR	25	0328	0333	0329	N05	W38	.614	11565	22.3	5	-F	2	C		.07				D 6
019 TEHR	25	0513	0547	0531	N06	W42	.667	11565	22.1	34	-N	4	C		.36				F 6
020 TEHR	25	0548	0554	0550	N12	E37	.605	11577	28.0	6	-N	4	C		.28				F 7
GRP41021 MANI ATHN	25	0634	0648	0638	N09	W49	.752	11565	21.6	14	-F				.46				2 2 2 8
	25	0631	0641	0639	N09	W48	.740	11565	21.7	10	-N	2		0639	.41	.62			
	25	0636	0655	0636	N09	W49	.752	11565	21.6	19	-F	2	C		.50				D
022 ATHN	25	0829	0839	0833	N09	W48	.740	11565	21.8	10	-N	3	C		.50				D 12
023 TEHR	25	0918	0927	0920	S12	W42	.709	11571	22.2	9	-F	2	C		.07				D 14
026 HTPR	25	1221	1230	1223	N06	W48	.740	11565	21.9	9	-F		C	1223	.31	.40			13
GRP41028 HUAN HTPR	25	1355	1404	1357	N07	W51	.774	11565	21.8	9	-F				.37				2 2 2 10
	25	1354	1405	1356U	N07	W51	.774	11565	21.8	11	-N	1	P	1356	.21	.34			D
	25	1356	1403	1357	N06	W50	.763	11565	21.8	7	-F		C	1357	.52	.70			
029 HTPR	25	1432	1435	1432	N06	W50	.763	11565	21.9	3	-F		C	1432	.31	.40			9
030 HTPR	25	1517	1525	1520	N11	E90	1.000	11580	1.4	8	-F		C	1520	.10				8
031 HUAN	25	1521	1526D	1524U	N07	W53	.796	11565	21.7	50	-F	1	P	1524	.25	.40			D 8

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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. %	
	1971 OCT																	
032 HUAN	25	1551	1600	1553U	N08	W53	.796	11565	21.7	9	-F	1 P	1553	.18	.29			D 6
034 KODA	26	0304E	0311		N11	W61	.871	11565	21.6	70	1N	P	0304	2.66	2.70	1.44		CE 3
036 TEHR	26	0628E	0633	0630	N10	W41	.655	11569	23.2	50	-F	3 C		.09				D 4
038 ISTA	26	0742	0816		N10	W61	.871	11565	21.7	34	-F							E 10
039 ISTA	26	0850	0856		N10	W56	.826	11565	22.2	6	-F							D 6
040 TEHR	26	0904	0917	0911	N11	E23	.399	11577	28.1	13	-F	3 C		.09				D 6
043 ATHN	26	1141	1156	1143	N09	W69	.931	11565	21.3	15	-F	3 C		.50				D 5
045 CAPS	26	1208	1215		N12	W75	.963	11565	20.9	7	-N	1 V	1209	.20		170		5
046 ATHN	26	1208	1218	1212	N15	E63	.888	11580	31.2	10	-N	3 C		.33				D 5
050 BOUL	26	1830	1840	1832	N06	W77	.973	11565	21.0	10	-N	3 V						2
058 TEHR	27	0819	0834	0826	N17	W49	.760	11569	23.7	15	-F	3 C		.09				D 7
059 TEHR	27	0937	0946	0940	N23	W54	.820	11569	23.4	9	-F	3 C		.09				D 7
2 STATIONS REPORTING GROUP 41060. 5 STATIONS OBSERVING AND NOT REPORTING.																		
GRP41060	27	0955	1002	0958	N13	W78	.975	11565	21.6	7	-N			.20				2 2 2 7
TEHR	27	0955	1002	0958	N12	W78	.975	11565	21.6	7	-N	2 C		.19				OH
CAPS	27	0957E	1002		N13	W78	.975	11565	21.6	50	-N	V	0959	.20		188		CD
060 CAPS	27	0959	1015D		N08	W85	.995	11565	21.0	160	*-N	V	1000	.20		180		E 8
062 TEHR	27	1020	1024	1021	N09	W67	.917	11565	22.4	4	-F	2 C		.09				D 7
063 TEHR	27	1202	1207	1204	S08	E00	.223	11575	27.5	5	-N	4 C		.09				D 6
064 CAPS	27	1308E	1330D		N20	W55	.824	11569	23.4	220	-B	2 V	1310	.40	.50	194		7
066 MCMA	27	1648	1657	1649	N15	E56	.828	11580	31.9	9	-N	C	1649	.52	.90			E 4
070 MANI	28	0149E	0158	0149	N10	W02	.097	11577	27.9	90	-N	2	0149	.21	.21			6
074 TEHR	28	0852	0904	0857	S04	W12	.257	11575	27.5	12	-F	3 C		.09				D 9
GRP41075	28	0925	0932	0927	S07	E66	.920	11581	2.3	7	-N			.40				2 2 2 9
TEHR	28	0924	0933	0927	S07	E65	.913	11581	2.3	9	-N	3 C		.28				F
MONT	28	0925	0930	0927	S07	E67	.927	11581	2.4	5	-N	C	0927	.52				
076 TEHR	28	1105	1125	1113	S05	W14	.294	11575	27.4	20	-F	3 C		.09				D 6
077 TEHR	28	1116	1130	1118	S07	E66	.920	11581	2.4	14	-F	3 C		.09				D 6
078 HUAN	28	1543	1549	1545	S03	W11	.233	11575	27.8	6	-F	2 C	1545	.18	.18			D 5
079 HUAN	28	1620	1637		S03	W14	.276	11575	27.6	17	-F	2 P	1623	.18	.18			D 3
GRP41080	28	1655	1708	(1657)	S03	W13	.261	11575	27.7	13	-F			.18				1 1 1 4
HUAN	28	1655E	1708		S03	W15	.291	11575	27.6	130	-F	2 P	1657	.18	.18			D
HUAN	28	1657	1659	1657	S03	W11	.233	11575	27.9	2	-F	2 C	1657	.12	.13			D
086 MONT	29	0934	0940	0937	N18	W79	.979	11569	23.5	6	-N	C	0937	.72				7
087 MONT	29	1101	1114	1106	N18	W80	.982	11569	23.5	13	-N	C	1106	.52				5
088 HUAN	29	1136	1216	1145U	N18	W83	.990	11569	23.3	40	-N	1 P	1145	.25	.50			7
089 HUAN	29	1210	1246		N21	E06	.298	11578	30.0	36	-F	2 P	1223	.12	.13			D 7
090 HUAN	29	1210	1425		S03	W26	.455	11575	27.6	135	-F	1 P	1240	.15	.17			D 9
091 HUAN	29	1233	1254		N18	W83	.990	11569	23.3	21	-N	1 P	1247	.25	.50			10
GRP41093	29	1414	1425	1419	S09	E15	.347	11579	30.7	11	-N			.68				2 2 2 8
HUAN	29	1353	1424		S11	E20	.428	11579	31.1	31	-F	2 P	1418	.25	.27			D
MCMA	29	1410E	1426D		S08	E15	.336	11579	30.7	160	-N	C	1420	.72	.70			EK
HUAN	29	1417	1436	1419	S08	E10	.278	11579	30.3	19	-N	2 C	1419	.38	.40			D
097 HUAN	29	1909	1914	1910	N13	E22	.395	11580	31.4	5	-N	2 C	1910	.21	.22			D 4
098 MANI	30	0011	0052	0042	S07	W28	.504	11575	27.9	41	-N	2	0042	.15	.18			3

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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 H α	MAX. INT. %	
	1971 OCT																		
099 CAPE	30	1033	1048	1039	S08	W38	.642	11575	27.6	15	-F		C	1039	1.24	1.70			H 8
101 CATA	31	0635	0720	0645	S11	W03	.272	11579	31.0	45	-N		C	0645	.34	.36		180	7
102 TEHR	31	0808	0825	0809	S14	E79	.986	11591	6.3	17	-F	3	C		.19				D 8
103 ATHN	31	0839	0850	0842	S06	E90	1.000	11591	7.1	11	-N	2	C						D 8
104 ZURI	31	1140E	1146D	1144	S07	E85	.997	11591	6.9	60	-N		P	1144	.53				7
105 HUAN	31	1155	1201	1157U	S08	E89	1.000	11591	7.2	6	-N	2	P	1157	.15				D 6
106 HUAN	31	1422	1442		S07	E85	.997	11591	7.0	20	-F	2	P	1426	.10				D 7
108 RAMY	31	1855	1909	1858	S08	E78	.981	11591	6.6	14	-F	2	C		.37				D 6
109 HUAN	31	1951	2005	1955	N12	E89	.999	11592	7.5	14	-F	2	C	1955	.10				5
110 HUAN	31	1954	2003	1956	N16	W04	.211	11580	31.5	9	-F	2	C	1956	.15	.16			D 5
112 LOCK	31	2100	2112	2106	S11	W11	.325	11579	31.0	12	-F		C						4
113 LOCK	31	2225	2300	2238	S08	W59	.867	11575	27.5	35	-F		C						6