

SOLAR FLARES
Confirmed
SEPTEMBER 1971

OBSERVATORY	OBSERVED UT			LOCATION				DURATION MIN.	IM- POR. TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE	START	END	MAX. PHASE	APPROX. LAT.	CENTRAL MER. DIST.	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH H α	MAX. INT. %	
GRP40222 ATHN CRON	01	0459	0508	0502	S04	W82	.992	11484	26.1	9	-F						2 2 2 6	
	01	0459	0509	0502	S03	W83	.993	11484	26.0	10	-N	2					D	
	01	0503E	0507		S04	W81	.989	11484	26.1	40	-F	3						
GRP40225 LOCK BOUL PALE MCMA	01	2045	2113	2052	S07	E32	.573	11496	4.3	28	--F						4 4 2 4	
	01	2045	2115	2050	S05	E32	.562	11496	4.3	30	-F							
	01	2045	2110	2051	S07	E32	.573	11496	4.3	25	-F	3						
	01	2045	2113	2054	S06	E32	.567	11496	4.3	28	-F	3					F	
	01	2046	2105D		S08	E32	.578	11496	4.3	190	-N		2054	.41	.50		E	
236 MANI	03	0030E	0055	0045	S06	E16	.354	11496	4.2	25D	--F	2	0045	.41	.44		2	
237 PALE	03	0110E	0114	0110	N05	E35	.572	11498	5.7	40	--F	3					3	
238 PALE	03	0119E	0125	0120	S05	E16	.344	11496	4.3	60	--F	3					3	
GRP40239 MANI PALE	03	0157	0213	0209	S08	E19	.412	11496	4.5	16	--F						2 2 2 3	
	03	0157E	0215	0209	S06	E17	.367	11496	4.4	180	-F	2	0209	.41	.44			
	03	0208E	0211	0209	S09	E20	.434	11496	4.6	30	-F	3					F	
GRP40247 PALE CRON	04	0151	0219	0153	S04	W07	.229	11496	3.6	28	--F						2 1 1 4	
	04	0151	0218	0153	S04	W08	.238	11496	3.5	27	-F	3					F	
	04	0203	0220		S04	W06	.220	11496	3.6	17	-F	3						
GRP40252 PALE LOCK RAMY MCMA BOUL	04	1643	1752	1703	S05	W16	.344	11496	3.5	69	--F						5 4 2 7	
	04	1628	1715	1635	S05	W15	.331	11496	3.6	47	-F	2					F	
	04	1630	1800	1700	S05	W17	.357	11496	3.4	90	1F							
	04	1641	1701D	1701	S04	W17	.348	11496	3.4	20D	-F	2					DS	
	04	1644E	1706D		S06	W17	.367	11496	3.4	22D	-N		1701	1.29	1.40		E	
	04	1705	1743	1709	S05	W14	.318	11496	3.7	38	-F	1						
4 STATIONS REPORTING GROUP 40254.										2 STATIONS OBSERVING AND NOT REPORTING.								
GRP40254 CULG MITK MITK	05	0123	0258	0151	S08	W19	.412	11496	3.6	95	1N			2.89			2 2 2 5	
	05	0123	0258	0146	S08	W20	.424	11496	3.6	95	2N		0146	4.95	5.20		FL	
	05	0145	0218	0155	S10	W21	.456	11496	3.5	33	-N		0155	.83	.90		D	
	05	0216	0222D	0217	S05	W14	.319	11496	4.0	60	-N		0217	.72	.80		E	
40254 MANI TEHR	05	0227	0237	0230	S06	W12	.307	11496	4.2	10	*-F			1.24			2 2 1 7	
	05	0227E	0241	0230	S06	W12	.307	11496	4.2	14D	-F	2	0230	1.24	1.30		F	
	05	0229E	0232		S05	W11	.283	11496	4.3	30	-N	1						
GRP40256 ATHN RAMY CANR CAPS TEHR KHAR CANR	05	1046	1146	1050	S08	W25	.488	11496	3.6	60	1N			4.19			6 6 6 6	
	05	1046	1153	1051	S10	W25	.504	11496	3.6	67	1N	2		4.46			F	
	05	1046	1141	1049	S07	W28	.520	11496	3.3	55	1N	2		5.10			FZ	
	05	1046	1120	1050	S09	W25	.496	11496	3.6	34	1N	2	1050	1.94	2.19			
	05	1047E	1153D		S08	W20	.424	11496	3.9	60	-B		1049	.90	1.10		216	
	05	1047	1137	1051	S08	W25	.488	11496	3.6	50	1B	4		2.28			CF	
	05	1050E	1145D		S08	W27	.514	11496	3.4	55D	2F		1055	10.47	12.20	1.80	F	
	05	1120	1120D		S09	W23	.471	11496	3.7		-N	3			1.20		OE	
GRP40257 TEHR ATHN RAMY RAMY MCMA CANR CAPS CAPE ONDR BOUL LOCA CATA	05	1328	1403	1339	S17	E05	.418	11492	5.9	35	-N			1.59			11 10 7 12	
	05	1322	1400	1336	S17	E05	.418	11492	5.9	38	-N	3		1.83			UF	
	05	1323	1405	1336	S18	E06	.437	11492	6.0	42	-N	2		1.49			UF	
	05	1323	1415	1343	S17	E07	.426	11492	6.1	52	-N	2		2.05				
	05	1323	1415	1328	S17	E07	.426	11492	6.1	52	-N	2		1.77			U	
	05	1326E	1405	1338	S18	E05	.434	11492	5.9	39D	-N		1338	1.29	1.40		E	
	05	1327	1405	1331	S18	E03	.429	11492	5.8	38	-N	3		1405	1.40			
	05	1328E	1412D		S12	E08	.355	11492	6.2	44D	-N	3		1329	.90	.90		180
	05	1328	1411	1342	S18	E06	.437	11492	6.0	43	-N		1342	1.47	1.60		H	
	05	1330E	1349		S20	E05	.465	11492	5.9	19D	1F		1341		2.20		CH	
	05	1335	1355	1342	S17	E04	.416	11492	5.9	20	-N	1						
	05	1335E	1405	1335	S16	E03	.398	11492	5.8	30D	1N		1335	2.10	2.30			
05	1345E	1355D	1345	S17	E05	.418	11492	5.9	10D	1N		1345	3.25	3.58		186		
GRP40262 LOCK ATHN RAMY ONDR	05	1616	1626	1618	S07	W25	.480	11496	3.8	10	--F			.43			4 4 2 9	
	05	1615	1624	1618	S07	W24	.467	11496	3.9	9	-F							
	05	1616	1622D	1617	S07	W24	.467	11496	3.9	6D	-F	2		.33			D	
	05	1617	1630	1619	S06	W26	.487	11496	3.7	13	-F	2		.52			D	
	05	1618E	1624		S09	W24	.483	11496	3.9	6D	-F		1619		2.30		CDJ	
GRP40265 LOCK MCMA	05	2120	2134	2126	S08	W27	.514	11496	3.9	14	--F			.46			2 2 1 3	
	05	2120	2134	2126	S08	W26	.501	11496	3.9	14	-F							
	05	2122E	2127D		S08	W27	.514	11496	3.9	5D	-F		2126	.46	.50		E	

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	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %
GRP40267	06	0341	0357	0346	S07	W29	.533	11496	4.0	16	1N							6 6 5 7
CULG	06	0325	0451D	0350	S07	W29	.533	11496	4.0	86D	1N	P	0350	2.20	3.00			
TEHR	06	0335	0359	0345	S07	W29	.533	11496	4.0	24	-B	4	C	1.37				F
CRON	06	0340	0354	0344	S06	W31	.554	11496	3.8	14	-N	2	C	0344	.75	.90		
TACH	06	0343	0400	0344	S05	W25	.466	11496	4.3	17	2F	V	0344	5.47	6.18	4.23	87	EL
PALE	06	0344	0345D		S07	W27	.507	11496	4.1	1D	-N	2	C					D
MANI	06	0347E	0353	0347	S08	W31	.566	11496	3.8	6D	-B	1		0347	.83	1.00		
GRP40277	06	0911	0926	0915	S08	W38	.654	11496	3.5	15	-N			1.02				12 12 11 12
ATHN	06	0907	0926	0915	S09	W39	.671	11496	3.5	19	-B	3	C	.83				F
CANR	06	0909	0925	0914	S07	W38	.649	11496	3.5	16	-N	2	C	0914	.65	.85		
CRON	06	0910	0925	0913	S06	W39	.657	11496	3.5	15	-N	2	C	0913	.54	.71		
ZURI	06	0910	0926	0914	S08	W38	.654	11496	3.5	16	1N	C	0914	1.68	2.20			
ARCE	06	0910	0925	0919	S10	W38	.664	11496	3.5	15	-F	C	0919	.36	.50			
TEHR	06	0910	0928	0914	S09	W39	.671	11496	3.5	18	-B	4	C	.73				F
ISTA	06	0910	0920		S08	W37	.642	11496	3.6	10	-N							
MONT	06	0911	0923	0914	S09	W38	.659	11496	3.5	12	-B	C	0914	1.86				
HTPR	06	0911	0926	0915	S09	W39	.671	11496	3.5	15	-N	C	0915	1.03	1.30			
MANI	06	0915E	0916	0916	S09	W39	.671	11496	3.5	1D	-N	2	C	0916	1.03	1.39		
CAPS	06	0915E	0940D		S05	W35	.602	11496	3.8	25D	-B	3	P	0917	1.10	1.30		216
CATA	06	0915	0935	0915	S10	W38	.664	11496	3.5	20	-B	C	0915	1.39	1.87		240	
GRP40278	06	1008	1033	1015	S08	W32	.579	11496	4.0	25	-N			.93				8 8 7 10
CANR	06	1004	1028	1014	S07	W32	.573	11496	4.0	24	-N	2	C	1014	.54	.65		
TEHR	06	1005	1039	1011	S08	W32	.579	11496	4.0	34	-N	4	C	.64				F
ZURI	06	1006	1040	1012	S07	W33	.586	11496	3.9	34	-B	C	1012	1.16	1.40			
ATHN	06	1007	1037	1012	S09	W29	.547	11496	4.2	30	-N	3	C	.66				D
ISTA	06	1009	1021		S07	W32	.573	11496	4.0	12	-N							
HTPR	06	1010	1025	1017	S08	W33	.591	11496	3.9	15	-N	C	1017	.83	1.00			
CATA	06	1015	1035	1020	S08	W32	.579	11496	4.0	20	-B	C	1020	1.16	1.43		246	
MONT	06	1018E	1041	1020	S07	W33	.586	11496	4.0	23D	-N	C	1020	1.55				
GRP40280	06	1236	1300	1242	S05	W33	.575	11496	4.1	24	-N			1.23				9 9 8 11
CANR	06	1233	1258	1242	S05	W33	.575	11496	4.0	25	-N	2	C	1242	.54	.66		
RAMY	06	1235	1315	1242	S05	W33	.575	11496	4.0	40	-N	2	C	1.50				F
ATHN	06	1235	1256	1242	S06	W32	.567	11496	4.1	21	-N	3	C	.99				D
TEHR	06	1236	1256	1242	S05	W33	.575	11496	4.1	20	-B	4	C	.91				F
MONT	06	1236	1251	1239	S05	W33	.575	11496	4.1	15	-N	C	1239	1.86				
ZURI	06	1236	1257	1242	S05	W30	.535	11496	4.3	21	-B	C	1242	1.60	1.90			
HTPR	06	1238	1249	1243	S06	W35	.607	11496	3.9	11	-N	C	1243	.93	1.10			
ONDR	06	1238E	1257D		S05	W32	.562	11496	4.1	19D	2N	V	1244			2.60		
CATA	06	1240E	1320	1245	S05	W33	.575	11496	4.1	40D	-B	P	1245	1.51	1.84		248	
GRP40282	06	1342	1409	1349	S07	W36	.624	11496	3.9	27	-N			1.21				11 10 9 12
LOCA	06	1335	1410	1340	S05	W35	.622	11496	3.9	35	-N	V	1340	1.05	1.30			
CANR	06	1340	1405	1344	S07	W36	.624	11496	3.9	25	-N	2	C	1344	.32	.42		
BOUL	06	1340	1405	1350	S06	W39	.657	11496	3.6	25	-F	3	V					
ONDR	06	1340	1412D		S08	W36	.629	11496	3.9	32D	1N	V	1410			2.50		
ZURI	06	1342	1408	1348	S08	W33	.591	11496	4.1	26	1B	C	1348	2.94	3.70			
MONT	06	1342	1412	1348	S08	W35	.617	11496	3.9	30	1B	C	1348	3.40				
TEHR	06	1342	1402	1348	S08	W35	.617	11496	3.9	20	-N	3	C	.28				D
HTPR	06	1344	1400	1348	S08	W36	.629	11496	3.9	16	-N	C	1348	.62	.70			
RAMY	06	1344	1413	1347	S08	W37	.642	11496	3.8	29	-N	3	C	.67				E
CATA	06	1345	1425D	1350	S07	W36	.624	11496	3.9	40D	-B	P	1350	1.27	1.62		234	
ATHN	06	1354E	1354D	1354	S08	W38	.654	11496	3.7		-N	2	C	.33				Z
GRP40283	06	1521	1556	1527	S07	W35	.612	11496	4.0	35	-N			1.34				8 8 7 10
ATHN	06	1516E	1545	1520	S09	W35	.622	11496	4.0	29D	-F	2	C	.66				D
HTPR	06	1518	1605	1530	S08	W35	.617	11496	4.0	47	-F	C	1530	.72	.80			
MONT	06	1518	1538D	1524	S05	W35	.602	11496	4.0	20D	-N	C	1524	2.06				
ZURI	06	1518	1606	1529	S08	W33	.591	11496	4.2	48	-N	C	1529	1.22	1.60			
RAMY	06	1521	1605	1524	S07	W36	.624	11496	3.9	44	-F	2	C	.83				D
CAPS	06	1524E	1528D		S07	W35	.612	11496	4.0	40	-N	2	S	1526	1.20	1.40		190
CANR	06	1524	1616		S06	W35	.607	11496	4.0	52	-N	2	V		.80			
CAPF	06	1525	1535		S07	W36	.624	11496	3.9	10	1N	P	1528	2.68	3.25			
GRP40284	06	1738	1754	1743	N19	W13	.297	11498	5.8	16	--N			.34				2 2 2 4
CANR	06	1737	1758	1743	N18	W12	.274	11498	5.8	21	-N	2	C	1743	.32	.32		
PALE	06	1739	1749	1742	N19	W14	.309	11498	5.7	10	-N	3	C	.36				F
GRP40285	06	1758	1821	1802	S07	W39	.662	11496	3.8	23	-N			.96				3 3 3 4
CANR	06	1758	1823	1802	S06	W38	.645	11496	3.9	25	-N	2	C	1802	.86	1.13		
RAMY	06	1758	1822	1802	S07	W40	.674	11496	3.7	24	-F	2	C	.83				D
PALE	06	1759	1817	1802	S07	W38	.649	11496	3.9	18	-N	3	C	1.18				F
GRP40289	07	0348	0356	0350	S09	W21	.446	11492	5.6	8	--F			.13				2 2 2 8
TEHR	07	0348	0354	0350	S09	W21	.446	11492	5.6	6	-F	3	C	.09				D
PALE	07	0349E	0358	0350	S08	W21	.437	11492	5.6	9D	-F	2	C	.17				H

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	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
5 STATIONS REPORTING GROUP 40291. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP40291	07	0430	0533	0438	S11	W34	.622	11496	4.6	63	1N			2.58				3 3 3 5
	07	0427	0535	0434	S14	W37	.675	11496	4.4	68	2N	C	0434	5.36	6.93			FLRV
	07	0429	0531	0441	S10	W35	.628	11496	4.6	62	-N	4 C		.55				FS
	07	0434	0447	0438	S09	W30	.560	11496	4.9	13	1F	V	0439	1.83	3.03	1.98	54	D
40291	07	0502	0527	0504	S07	W42	.698	11496	4.1	25	*-F			1.39				4 3 3 6
	07	0501	0524	0503	S07	W41	.686	11496	4.1	23	-N	4 C		.45				F
	07	0503	0515	0505	S08	W40	.678	11496	4.2	12	-F	2	0505	.52	.70			
	07	0506E	0541D		S07	W44	.721	11496	3.9	35D	1F	V	0507	3.19	4.83	2.23	54	D
	07	0535E	0615	0540	S07	W45	.732	11496	3.9	40D	1B	P	0540	1.73	2.55		219	T
GRP40297	07	0743	0815	0748	N02	W53	.799	11499	3.3	32	--B			.74				3 2 2 11
	07	0743	0750	0745	N02	W53	.799	11499	3.3	7	-N	C	0745	.72				T
	07	0745E	0840D	0750	N01	W53	.801	11499	3.3	55D	-B	P	0750	.75	1.25		211	D
	07	0832E	0840	0832	N04	W55	.817	11499	3.2	8D	-N	2 C		.33				
GRP40302	07	1310	1338	1325	N05	W55	.816	11499	3.4	28	--F			.36				3 1 1 13
	07	1258E	1318D		N02	W53	.799	11499	3.6	20D	-N	3 V	1259	.25	.40		171	
	07	1310	1338	1314	N05	W55	.816	11499	3.4	28	-F	2 C		.36				D
	07	1332	1352	1336	N02	W55	.820	11499	3.4	20	-F	C	1336	.63	1.00			
304 MCMA	07	2122	2140D	2127	S07	W44	.721	11496	4.6	18D	--N	C	2127	.52	.70			E 1
305 LOCK	07	2221	2234	2226	S06	W40	.670	11496	4.9	13	--F	C						3
GRP40311	08	0518	0525	0521	N03	W63	.890	11499	3.5	7	-N			.72				3 3 3 5
	08	0517	0525	0521	N03	W64	.898	11499	3.4	8	-N	3 C		.29				F
	08	0518	0525	0520	N02	W66	.913	11499	3.3	7	1N	C	0520	1.18	2.70		68	EJ
	08	0522E	0525D		N04	W60	.864	11499	3.7	3D	-N	V	0523	.68	1.37	3.16	51	D
GRP40317	08	0829	0847	0833	N02	E14	.257	11500	9.4	18	--N			.43				5 5 5 15
	08	0825	0915	0835	N02	E14	.257	11500	9.4	50	-N	C	0835	.69	.72		160	T
	08	0829	0839	0832	N02	E15	.273	11500	9.5	10	-N	3 C		.33				D
	08	0829	0843	0831	N02	E14	.257	11500	9.4	14	-N	4 C		.30				D
	08	0830	0840	0832	N03	E14	.252	11500	9.4	10	-F	C	0832	.52	.50			E
	08	0830	0840	0835	N02	E14	.257	11500	9.4	10	-N	2 C	0835	.32	.32			
	08	0832	0838		N02	E15	.273	11500	9.5	6	-N	3 V		.40	.40			
GRP40319	08	1337	1404	1345	N02	E12	.226	11500	9.5	27	--N			.67				10 10 9 14
	08	1334	1408	1351	N02	E11	.211	11500	9.4	34	-N	2 C	1351	.43	.43			
	08	1336	1401	1346	N01	E11	.219	11500	9.4	25	-N	C	1346	1.13				
	08	1336	1404	1339	N03	E12	.220	11500	9.5	28	-N	C	1339	.81	.80			
	08	1336	1401D	1340	N03	E12	.220	11500	9.5	25D	-N	C	1340	.93	.90			E
	08	1336	1408	1352	N02	E12	.226	11500	9.5	32	-N	3 C		.40				F
	08	1336	1410	1341	N01	E11	.219	11500	9.4	34	-F	3 C		.67				D
	08	1337	1400	1348	N02	E12	.226	11500	9.5	23	-F	C	1348	.41	.40			
	08	1337	1348	1340	N03	E11	.204	11500	9.4	11	-N	1 V						
	08	1337	1415	1350	N02	E12	.226	11500	9.5	38	-N	C	1350	.41	.40			E
	08	1346	1407D		N05	E12	.210	11500	9.5	21D	-N	3 V	1348	.80	.80		185	
GRP40321	08	1836	1905	1842	S14	W74	.972	11496	3.2	29	-N			.81				3 2 1 5
	08	1835	1904D	1900	S13	W73	.967	11496	3.3	29D	-N	1 C		.72				D
	08	1836	1905	1842	S14	W74	.972	11496	3.2	29	-N	C						
	08	1836	1845D	1842	S13	W74	.971	11496	3.2	9D	-N	2 C		.81				F
GRP40322	08	1903	2023	1919	S12	W73	.966	11496	3.3	80	-F							2 2 0 4
	08	1855	2036	1917	S11	W72	.961	11496	3.4	101	1F	1 V						
	08	1910	2010	1921	S13	W74	.971	11496	3.2	60	-F	C						
323 LOCK	08	2023	2034	2027	S08	W54	.829	11496	4.8	11	--F	C						3
GRP40324	08	2234	2241	2237	S08	W53	.819	11496	5.0	7	--F			.21				3 3 1 4
	08	2230	2244	2237	S08	W54	.829	11496	4.9	14	-F	C						
	08	2234	2239	2235	S09	W52	.812	11496	5.0	5	-N	2	2235	.21	.34			
	08	2238	2239	2238	S07	W53	.817	11496	5.0	1	-F	1 V						
GRP40327	09	0352	0408	0356	N02	E04	.115	11500	9.5	16	--N			.80				3 3 3 4
	09	0352	0414	0356	N02	E03	.105	11500	9.4	22	-N	3 C		.37				F
	09	0355E	0409	0356	N03	E05	.114	11500	9.5	14D	-N	3 V	0356	.70				
	09	0356E	0400	0357	N02	E03	.105	11500	9.4	4D	-N	2	0357	1.34	1.35			
329 TEHR	09	0505	0527	0507	N02	E03	.105	11500	9.4	22	--N	3 C		.09				D 2
GRP40338	09	2340	2357	2343	N18	W54	.805	11498	5.9	17	--F			.55				2 2 1 4
	09	2340	2357	2341	N17	W52	.784	11498	6.1	17	-F	3 V						
	09	2340	2356	2345	N18	W56	.824	11498	5.8	16	-F	3 C		.55				F

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPOR-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.												
GRP40340	10	0515	0537	0519	S09	W83	.995	11496	4.0	22	-N							2 2 2 5
TEHR	10	0515	0543	0517	S09	W79	.986	11496	4.3	28	-N	3	C		.52			D
ATHN	10	0519E	0530	0521	S08	W86	.999	11496	3.8	11D	-N	3	C		.37			D
															.66			
GRP40346	11	0634	0650	0641	N21	W59	.853	11494	6.8	16	--F				.27			3 3 3 6
TEHR	11	0626	0647	0639	N20	W60	.861	11494	6.8	21	-F	3	C		.19			D
ATHN	11	0636	0644	0639	N18	W59	.851	11494	6.8	8	-N	3	C		.17			D
CATA	11	0640	0700	0645	N24	W57	.839	11494	7.0	20	-F			0645	.46	.90		129
GRP40351	11	1609	1632	1615	N13	E90	1.000	11514	18.4	23	-N				.52			3 3 1 6
HTPR	11	1608	1630D	1614	N14	E90	1.000	11514	18.4	22D	-F			1614	.52			D
ATHN	11	1610	1613D	1612	N14	E90	1.000	11514	18.4	3D	-N	1	C					
BOUL	11	1610	1632	1619	N10	E90	1.000	11514	18.4	22	1N	3	V					
352 PALE	11	2058	2110	2100	N17	W80	.979	11498	5.9	12	--F	2	C		.27			3
GRP40356	12	0806	0815	0806	N18	E89	.998	11514	19.0	9	--F				.19			3 2 1 8
ATHN	12	0805	0810	0806	N18	E89	.998	11514	19.0	5	-F	2	C					D
CANR	12	0806	0819		N17	E88	.998	11514	18.9	13	-N	2	V			.50		
TEHR	12	0813	0837	0817	N16	E86	.995	11514	18.8	24	-N	4	C		.19			F
GRP40357	12	1617	1653	1640	S17	E85	.999	11516	19.1	36	--F				.52			2 2 1 5
LOCK	12	1617	1650	1640	S17	E79	.990	11516	18.6	33	-N							K
LOCK	12	1617	1650	1620	S17	E79	.990	11516	18.6	33	-F							HK
HTPR	12	1638E	1655	1640	S16	E90	1.001	11516	19.4	17D	-F			1640	.52			
GRP40358	13	0418	0434	0421	S11	E86	.999	11516	19.6	16	-N				.30			2 2 2 5
TEHR	13	0418	0432	0422	S10	E87	1.000	11516	19.7	14	-N	4	C		.19			D
MANI	13	0420E	0435	0420	S11	E85	.998	11516	19.6	15D	-N	1		0420	.41	1.18		
GRP40363	13	0657	0709	0659	N14	E70	.933	11514	18.5	12	--N				.42			3 3 3 10
ABST	13	0654	0702D	0657	N13	E70	.933	11514	18.5	8D	1F		P	0657	.90			58
TEHR	13	0657	0707	0659	N13	E71	.939	11514	18.6	10	-N	4	C		.19			D
CATA	13	0700	0710	0700	N16	E70	.933	11514	18.5	10	-N			0700	.17			158
GRP40364	13	0730	0826	0808	S14	E81	.993	11516	19.4	56	-N				.50			4 3 3 10
ZURI	13	0730	0814	0807	S14	E77	.983	11516	19.1	44	1N		C	0807	.55			
ABST	13	0748	0802D	0755	S09	E80	.989	11516	19.3	14D	1F		P	0755	1.08			59
ATHN	13	0806	0850	0809	S15	E85	.999	11516	19.7	44	-N	3	C		.66			
TEHR	13	0806	0814	0809	S12	E81	.992	11516	19.4	8	-N	4	C		.28			D
GRP40366	13	0823	0847	0835	S15	E82	.995	11516	19.5	24	-B				.70			8 8 6 12
ATHN	13	0806	0850	0833	S15	E85	.999	11516	19.7	44	1B	3	C					D
ZURI	13	0822	0852	0833	S14	E77	.983	11516	19.1	30	1B		C	0833	1.16			
GRON	13	0823	0845	0833	S17	E79	.990	11516	19.3	22	-N	2	C	0833	.32			
ISTA	13	0823	0840		S13	E81	.992	11516	19.4	17	-N							
TEHR	13	0824	0849	0835	S15	E82	.995	11516	19.5	25	-B	4	C		.36			D
CAPS	13	0827E	0850D		S17	E85	.999	11516	19.7	23D	1N	2	P	0832	1.20			190
MANI	13	0833E	0835	0833	S12	E88	1.000	11516	20.0	2D	-B	2		0833	.83	2.26		
CATA	13	0840E	0855	0840	S13	E80	.990	11516	19.4	15D	-N			0840	.34			166
GRP40368	13	0952	1008	0958	S14	E81	.993	11516	19.5	16	-F				.91			2 2 1 7
ZURI	13	0944	1006	0955	S14	E77	.983	11516	19.2	22	1N		C	0955	.91			
ATHN	13	0959	1010	1001	S14	E85	.999	11516	19.8	11	-F	3	C					D
GRP40370	13	1025	1046	1034	S11	E86	.999	11516	19.9	21	--N				.19			3 3 1 7
ISTA	13	1020	1040		S13	E90	1.000	11516	20.2	20	-N							A
TEHR	13	1025	1052	1035	S10	E80	.989	11516	19.4	27	-N	4	C		.19			D
ATHN	13	1030	1047	1033	S10	E88	1.000	11516	20.0	17	-N	3	C					D
GRP40373	13	1151	1209	1153	S16	W01	.395	11506	13.4	18	--F				.50			3 3 3 7
ATHN	13	1148	1207	1151	S17	W03	.413	11506	13.3	19	-F	3	C		.33			D
TEHR	13	1149	1210	1153	S15	E05	.387	11506	13.9	21	-F	3	C		.36			D
CATA	13	1155	1210	1155	S15	W06	.391	11506	13.0	15	-N			1155	.80	.88		166
GRP40376	13	1300	1326	1312	N13	E68	.921	11514	18.6	26	--F				.48			4 4 4 7
ATHN	13	1300	1310	1303	N14	E69	.927	11514	18.7	10	-F	3	C		.33			D
RAMY	13	1300	1333	1316	N13	E70	.933	11514	18.8	33	-F	3	C		.83			D
TEHR	13	1300	1325	1310	N13	E67	.914	11514	18.6	25	-F	3	C		.19			D
CATA	13	1315	1335	1320	N13	E67	.914	11514	18.6	20	-N			1320	.58			176
GRP40378	13	1343	1357	1346	S17	W04	.415	11506	13.3	14	--F				.48			5 5 5 8
TEHR	13	1341	1350	1345	S18	W05	.434	11506	13.2	9	-F	2	C		.19			D
ATHN	13	1342	1349	1345	S17	W02	.412	11506	13.4	7	-F	3	C		.33			D
MONT	13	1343	1356	1348	S18	W04	.431	11506	13.3	13	-N			1348	.72			
RAMY	13	1343	1417	1345	S17	W05	.418	11506	13.2	34	-F	3	C		.98			D
CATA	13	1345	1355	1345	S17	W05	.418	11506	13.2	10	-N			1345	.17	.19		155
382 RAMY	13	1934	1944	1936	S17	W08	.430	11506	13.2	10	--F	2	C		.36			D

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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	MGMATH	CMP	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %		
					LAT.	MER. DIST.	DISTANCE										PLAGE REGION	
GRP40413	16	0756	0817	0802	N08	E40	.638	11515	19.3	21	-N							5 5 5 9
ABST	16	0755	0803D	0759	N07	E41	.652	11515	19.4	8D	-N	P	0759	1.18	1.50		62	E
CANR	16	0755	0805	0759	N07	E40	.639	11515	19.3	10	-N	2 C	0759	.43	.56			
ATHN	16	0756	0826	0803	N10	E40	.638	11515	19.3	30	-N	3 C		.83				D
TEHR	16	0757	0825	0805	N09	E40	.638	11515	19.3	28	-N	2 C		.47				F
ZURI	16	0803E	0813	0803	N09	E39	.624	11515	19.3	10D	-N	P	0803	.89	1.10			
GRP40414	16	1003	1015	1006	S13	E43	.734	11516	19.6	12	--N			.57				5 5 4 7
ISTA	16	1000	1010		S10	E45	.743	11516	19.8	10	-N							
ATHN	16	1001	1016	1005	S15	E45	.764	11516	19.8	15	-N	2 C		.66				D
CANR	16	1001	1018	1003	S11	E38	.669	11516	19.3	17	-N	2 C	1003	.32	.43			
TEHR	16	1005E	1019D	1006	S14	E45	.760	11516	19.8	14D	-N	3 C		.57				F
MONT	16	1009	1013	1010	S15	E43	.744	11516	19.6	4	-N	C	1010	.72				
420 RAMY	16	1407	1432	1413	S10	E45	.743	11516	20.0	25	--F	3 C		.93				D 2
GRP40421	16	1727	1804	1733	S10	E32	.591	11516	19.1	37	--F			.67				3 3 2 4
LOCK	16	1727	1752	1733	S08	E32	.578	11516	19.1	25	-F	C						
RAMY	16	1729E	1735D	1729	S10	E33	.603	11516	19.2	6D	-F	2 C		.93				D
MCMA	16	1733E	1815D	1737	S12	E30	.580	11516	19.0	42D	-N	P	1737	.41	.50			EK
MCMA	16	1733E	1815D	1805	S13	E34	.634	11516	19.3	42D	-N	P	1805	.62	.80			EK
GRP40423	16	1854	1908	1858	S10	E40	.687	11516	19.8	14	--F	2 C		.39				2 2 2 4
PALE	16	1854	1906	1856	S10	E42	.710	11516	19.9	12	-F	2 C		.36				F
RAMY	16	1858E	1909	1900	S09	E38	.658	11516	19.6	11D	-F	2 C		.41				D
GRP40424	16	2004	2015	2007	N14	E24	.415	11514	18.6	11	--F			.27				2 2 1 3
LOCK	16	2004	2010	2006	N14	E24	.415	11514	18.6	6	-F	C						
PALE	16	2004	2020	2007	N14	E24	.415	11514	18.6	16	-F	2 C		.27				F
GRP40425	16	2023	2043	2028	S15	E33	.636	11516	19.3	20	--N			.44				3 3 2 3
LOCK	16	2020	2045	2030	S15	E32	.625	11516	19.2	25	-F	C						
PALE	16	2025	2038	2026	S16	E35	.665	11516	19.5	13	-N	3 C		.36				F
MCMA	16	2036E	2045D		S15	E32	.625	11516	19.3	9D	-N	C	2037	.52	.70			E
426 LOCK	16	2153	2203	2156	N03	E35	.575	11515	19.5	10	--F	C						1
GRP40427	16	2252	2315	2258	S10	E33	.603	11516	19.4	23	--F			.50				2 1 1 3
LOCK	16	2252	2315	2258	S10	E33	.603	11516	19.4	23	-F	C						
CRON	16	2256	2309	2259	S12	E45	.751	11516	20.3	13	-N	2 V	2259	.50				
428 CRON	17	0146E	0157	0148	S14	E42	.728	11516	20.2	11D	--F	3 V	0148	.40				2
5 STATIONS REPORTING GROUP 40429. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP40429	17	0305	0346	0313	S11	E28	.549	11516	19.2	41	-B			1.14				3 2 2 5
TEHR	17	0305E	0400	0313	S10	E28	.541	11516	19.2	55D	-B	2 C		.74				F
KODA	17	0313E	0332	0313	S11	E28	.549	11516	19.2	19D	-N	C	0313	1.54	1.50	1.80		E
TAGH	17	0328	0350		S11	E28	.549	11516	19.2	22	1F	P	0332	2.83	3.38			E
40429	17	0253	0311	0259	S12	E29	.568	11516	19.3	18	*-N			1.02				2 2 2 2
CRON	17	0252	0305		S12	E29	.568	11516	19.3	13	-N	3 V		1.00				
MITK	17	0253	0317D	0259	S12	E28	.556	11516	19.2	24D	-N	C	0259	1.03	1.20			E
GRP40430	17	0607	0618	0609	N13	E14	.258	11514	18.3	11	--F			.59				2 2 2 3
ABST	17	0607	0616	0609	N13	E14	.258	11514	18.3	9	-F	C	0609	.90	.90			EJZ
TEHR	17	0607	0620	0608	N13	E13	.243	11514	18.2	13	-F	2 C		.28				F
GRP40437	17	1346	1359	1347	N02	E24	.414	11515	19.4	13	--F			.17				2 2 2 7
RAMY	17	1344	1358	1346	N02	E25	.430	11515	19.4	14	-F	3 C		.19				D
TEHR	17	1347	1359	1348	N02	E22	.383	11515	19.2	12	-F	2 C		.15				D
10 STATIONS REPORTING GROUP 40438. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP40438	17	1358	1515	1416	S11	E21	.465	11516	19.2	77	1B			2.75				5 5 5 7
TEHR	17	1354	1425D	1414	S11	E21	.465	11516	19.2	31D	1B	2 C		2.65				UF
CAPS	17	1358E	1453D	1417	S13	E20	.474	11516	19.1	55D	1B	2 P	1416	2.30	2.50		256	
RAMY	17	1400	1510	1411	S11	E20	.453	11516	19.1	70	1B	3 C		3.06				U
CANR	17	1400	1515	1419	S11	E20	.453	11516	19.1	75	1N	2 C	1419	2.15	2.40			
LOCA	17	1420E	1520	1420	S10	E22	.467	11516	19.2	60D	1B	V	1420	3.57	4.10			
40438	17	1502	1532	1513	S13	E22	.496	11516	19.3	30	*1N			1.91				3 3 3 8
MONT	17	1502E	1537	1507	S11	E23	.488	11516	19.4	35D	1N	C	1507	2.58				
ATHN	17	1513E	1526	1513	S12	E22	.486	11516	19.3	13D	-N	1 C		.99				D
CATA	17	1520E	1525D	1520	S16	E20	.507	11516	19.1	5D	1B	P	1520	2.15	2.41		214	
40438	17	1401	1536	1430	S11	E21	.465	11516	19.2	95	*1B			3.81				2 2 2 8
MCMA	17	1400	1540D	1430	S11	E21	.465	11516	19.2	100D	1B	C	1430	2.58	2.80			FL
ZURI	17	1401	1532	1429	S10	E21	.455	11516	19.2	91	2B	C	1429	5.04	5.60			

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %			
					LAT.	MER. DIST.														
1971 SEP																				
GRP40439	17	1421	1441	1425	N03	E22	.379	11515	19.2	20	--N							7 7 7 7		
RAMY	17	1418	1440	1422	N03	E22	.379	11515	19.2	22	-N	3	C					D		
MCMA	17	1420	1445	1427	N03	E22	.379	11515	19.2	25	-B		C	1427	.83	.90		EL		
CAPS	17	1420E	1443D	1428	N04	E24	.408	11515	19.4	23D	-B	2	V	1429	.60	.70		203		
TEHR	17	1421	1425D	1421	N02	E22	.383	11515	19.2	4D	-N	1	C		.19			F		
ZURI	17	1421	1440	1423	N03	E22	.379	11515	19.2	19	1B		C	1423	2.52	2.70				
CANR	17	1422	1443	1430	N02	E22	.383	11515	19.2	21	-N	2	C	1430	.43	.46				
LOCA	17	1423	1436	1426	N04	E22	.377	11515	19.2	13	-N		V	1426	.63	1.20				
GRP40440	17	1536	1548	1538	N06	E23	.389	11515	19.4	12	--N				.44			3 3 3 6		
RAMY	17	1535	1553	1539	N02	E23	.399	11515	19.4	18	-F	3	C		.46			D		
ZURI	17	1536	1544	1537	N03	E25	.426	11515	19.5	8	-N		C	1537	.53	.60				
ATHN	17	1536	1546	1538	N12	E22	.378	11515	19.3	10	-N	1	C		.33			D		
GRP40441	17	1544	1610	1550	S17	E22	.538	11516	19.3	26	1B				3.53			7 6 6 7		
CANR	17	1543	1612	1548	S17	E21	.528	11516	19.2	29	-N	2	C	1548	1.29	1.55				
ZURI	17	1544	1607	1549	S15	E24	.538	11516	19.5	23	2B		C	1549	6.30	7.40				
MONT	17	1544	1607D	1551	S18	E22	.548	11516	19.3	23D	2B		C	1551	8.25			H		
RAMY	17	1544	1614	1556	S18	E22	.548	11516	19.3	30	-B	3	C		1.95			UF		
MCMA	17	1544	1705	1549	S17	E23	.547	11516	19.4	81	1B		C	1549	2.06	2.40		IHRV		
ATHN	17	1545E	1550D	1547	S17	E21	.528	11516	19.2	5D	-B	1	C		1.32			D		
HTPR	17	1602E	1608		S18	E23	.558	11516	19.4	6D	-B		C	1603	1.44	1.60		U		
HPR	17	1609	1630	1619	S10	E20	.443	11516	19.2	21	-F		C	1619	.31	.30		E		
GRP40443	17	1935	1943	1937	N14	E10	.207	11514	18.6	8	--N				.46			2 2 1 2		
RAMY	17	1935	1944	1937	N12	E10	.190	11514	18.6	9	-N	3	C		.46			D		
LOCK	17	1935	1942	1937	N15	E09	.204	11514	18.5	7	-N		C					H		
	17	2314	2320	NO FLARE PATROL																
447 TACH	18	0352	0403	0355	S16	E16	.470	11516	19.4	11	-N		C	0355	1.55	1.77		60	EL	5
GRP40448	18	0507	0523	0511	S08	E13	.341	11516	19.2	16	--F				.15			2 2 2 4		
TEHR	18	0507	0532	0509	S09	E13	.354	11516	19.2	25	-F	3	C		.19			D		
MANI	18	0510E	0514	0512	S07	E12	.318	11516	19.1	4D	-N	2	C	0512	.10	.11				
GRP40449	18	0534	0558	0542	N04	E14	.247	11515	19.3	24	--F				.44			2 2 2 3		
TEHR	18	0534	0603	0537	N04	E13	.230	11515	19.2	29	-N	3	C		.28			D		
CRON	18	0544E	0552	0546	N03	E15	.267	11515	19.4	8D	-F	3	V		.60					
450 TEHR	18	0544	0550	0546	S17	W70	.958	11506	13.0	6	--N	3	C		.19			D	3	
GRP40452	18	0800	0816	0804	S17	W75	.978	11506	12.7	16	1N				1.30			4 4 4 9		
ABST	18	0758	0805D	0805	S17	W82	.995	11506	12.2	7D	2N		P	0805	2.60			76	EJZ	
ZURI	18	0759	0816	0804	S16	W74	.974	11506	12.8	17	1B		C	0804	2.04					
TEHR	18	0802	0815	0804	S18	W73	.971	11506	12.9	13	-N	3	C		.19			D		
ARCE	18	0805E	0805D		S17	W72	.966	11506	12.9		-N		P	0805	.36					
GRP40453	18	0817	0826	0819	S11	E20	.453	11516	19.8	9	--N				.30			3 3 3 10		
TEHR	18	0817	0828	0819	S11	E21	.465	11516	19.9	11	-N	3	C		.36			F		
HPR	18	0817	0825	0818	S12	E20	.464	11516	19.8	8	-F		C	0818	.21	.20		E		
CATA	18	0820E	0825	0820	S11	E20	.453	11516	19.8	5D	-N		P	0820	.33	.37		174		
GRP40456	18	1053	1120	1059	S10	E09	.332	11516	19.1	27	--N				.66			4 4 4 5		
TEHR	18	1047	1124	1059	S09	E09	.317	11516	19.1	37	-N	3	C		.64			F		
RAMY	18	1052	1132D	1058	S09	E09	.317	11516	19.1	40D	-F	3	C		.65			D		
RAMY	18	1052	1132D	1116	S09	E09	.317	11516	19.1	40D	-F	3	C		.84					
CANR	18	1055	1115	1058	S10	E09	.332	11516	19.1	20	-N	2	C	1058	.43	.46				
HPR	18	1056	1110	1059	S10	E10	.339	11516	19.2	14	-N		C	1059	.93	.90		E		
GRP40457	18	1136	1149	1141	S18	W74	.975	11506	12.9	13	--N				.36			2 2 2 6		
MONT	18	1132	1143	1137	S18	W73	.971	11506	13.0	11	-N		C	1137	.52					
TEHR	18	1139	1155	1144	S17	W74	.974	11506	12.9	16	-N	3	C		.19			HD		
GRP40460	18	1330	1411	1338	N03	E08	.156	11515	19.2	41	-B				1.87			9 9 9 10		
CANR	18	1329	1403	1340	N03	E09	.172	11515	19.2	34	-N	2	C	1340	.75	.75				
HPR	18	1330	1359	1336	N03	E09	.172	11515	19.2	29	-B		C	1336	1.86	1.80		E		
TEHR	18	1330	1410	1338	N04	E09	.165	11515	19.2	40	-B	3	C		.64			F		
LOCA	18	1330	1410	1335	N03	E08	.156	11515	19.2	40	1N		V	1335	2.10	2.20				
RAMY	18	1331	1428	1336	N03	E08	.156	11515	19.2	57	-B	3	C		1.95			U		
MONT	18	1332	1345D	1339	N04	E08	.149	11515	19.2	13D	1B		C	1339	4.54			D		
ATHN	18	1334E	1346D	1338	N02	E08	.165	11515	19.2	12D	-B	2	C		1.32			Z		
CATA	18	1334E	1425	1339	N03	E08	.156	11515	19.2	51D	1B		P	1339	2.61	2.64		288		
MCMA	18	1341E	1403		N03	E08	.156	11515	19.2	22D	-B		C	1345	1.03	1.00		E		
GRP40462	18	1426	1444	1430	S11	E10	.354	11516	19.4	18	--F				.36			3 3 3 7		
ATHN	18	1424	1444	1427	S11	E09	.346	11516	19.3	20	-F		C		.50			D		
RAMY	18	1425	1442	1429	S09	E10	.325	11516	19.4	17	-F	3	C		.37			D		
HPR	18	1430	1446	1434	S13	E10	.382	11516	19.4	16	-F		C	1434	.21	.20				

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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 Hc	MAX. INT. %	
GRP40493	19	1246	1316	1255	N03	W04	.100	11515	19.2	30	--F							6 6 6 9
RAMY	19	1244	1310	1248	N03	W04	.100	11515	19.2	26	-F	4	C		.50			D
ATHN	19	1245	1309	1251	N02	W02	.096	11515	19.4	24	-N	2	C		.36			DH
CAPE	19	1245	1316	1302	N03	W04	.100	11515	19.2	31	-F		C	1302	1.13	1.10		H
HUAN	19	1245	1313		N03	W04	.100	11515	19.2	28	-F	1	P	1300	.38	.38		E
TEHR	19	1246	1315	1300	N03	W05	.113	11515	19.2	29	-N	3	C		.36			HF
CATA	19	1250	1330	1255	N02	W04	.113	11515	19.2	40	-N		C	1255	.46	.47	155	
GRP40496	19	1348	1403	1350	N13	W18	.320	11514	18.2	15	--N		C		.30			3 3 2 9
ATHN	19	1347	1403	1350	N13	W19	.335	11514	18.1	16	-N	2	C		.33			D
ATHN	19	1347	1403	1358	N13	W19	.335	11514	18.1	16	-N	2	C		.17			
CANR	19	1348	1402		N13	W18	.320	11514	18.2	14	-N	2	V			.40		
RAMY	19	1349E	1403	1349	N13	W17	.304	11514	18.3	14D	-F	3	C		.26			D
GRP40498	19	1409	1422	1413	S12	W05	.338	11516	19.2	13	--F		C		.65			3 3 3 9
CAPE	19	1408	1422	1412	S12	W06	.343	11516	19.1	14	-N		C	1412	1.19	1.30		
HUAN	19	1410	1415	1411	S13	W04	.351	11516	19.3	5	-F	2	C	1411	.25	.26		D
ATHN	19	1410	1429	1415	S12	W04	.335	11516	19.3	19	-F	2	C		.50			
GRP40500	19	1541	1553	1543	N13	W19	.335	11514	18.2	12	--N		C		.40			7 7 4 9
RAMY	19	1539	1556	1541	N13	W18	.320	11514	18.3	17	-F	3	C		.41			D
LOCK	19	1540	1552	1542	N13	W19	.335	11514	18.2	12	-F		C					D
ATHN	19	1541	1549	1543	N13	W19	.335	11514	18.2	8	-N	2	C		.33			D
HUAN	19	1541E	1544D		N13	W18	.320	11514	18.3	3D	-N	1	P	1544	.33	.35		D
BOUL	19	1541	1552	1543	N13	W18	.320	11514	18.3	11	-N	3	V					
CANR	19	1541	1550	1542	N13	W19	.335	11514	18.2	9	-N	2	V	1542		.30		
CATA	19	1545	1600	1545	N13	W19	.335	11514	18.2	15	-N		C	1545	.52	.53	186	
GRP40501	19	1724	1738	1727	N13	W20	.351	11514	18.2	14	--F		C					2 1 0 3
LOCK	19	1724	1737	1727	N13	W19	.335	11514	18.3	13	-F		C					
PALE	19	1736E	1739		N12	W20	.347	11514	18.2	3D	-F	2	C					
502 LOCK	19	1734	1743	1738	S16	W79	.989	11506	13.8	9	--F		C					3
GRP40504	19	1941	1956	1946	S11	W10	.353	11516	19.1	15	--F		C		.36			2 2 1 3
LOCK	19	1940	1953	1945	S11	W11	.361	11516	19.0	13	-F		C					
PALE	19	1942	1958	1947	S10	W08	.324	11516	19.2	16	-F	2	C		.36			F
505 LOCK	19	2226	2237	2230	N14	W23	.400	11514	18.2	11	--F		C					3
GRP40508	20	0345	0436	0410	N03	W13	.235	11515	19.2	51	--N		C		.49			3 2 2 6
TEHR	20	0344	0447	0408	N03	W12	.219	11515	19.3	63	-N	1	C		.46			FH
MANI	20	0346	0425	0411	N03	W13	.235	11515	19.2	39	-N	2	C	0411	.52	.53		
PALE	20	0415E	0418D	0417	N13	W15	.274	11515	19.1	3D	-F	1	C		.36			F
GRP40513	20	0604	0625	0613	N12	W27	.455	11514	18.2	21	--F		C		.51			3 3 3 8
TEHR	20	0603	0625	0614	N12	W27	.455	11514	18.2	22	-F	3	C		.09			D
ABST	20	0604	0607D	0606	N13	W26	.442	11514	18.3	3D	-F		P	0606	.81	.90	58	DJ
CATA	20	0620E	0625D	0620	N12	W27	.455	11514	18.2	5D	-N		P	0620	.63	.72	184	
GRP40514	20	0809	0821	0812	N12	W28	.470	11514	18.2	12	--N		C		.42			6 6 6 15
ARCE	20	0807	0820D	0811	N12	W28	.470	11514	18.2	13D	-F		C	0811	.42	.50		T
ATHN	20	0808	0818	0812	N11	W28	.468	11514	18.2	10	-F	2	C		.33			D
MANI	20	0809E	0828	0815	N12	W27	.455	11514	18.3	19D	-N	2	C	0815	.31	.35		
TEHR	20	0809	0820D	0811	N12	W28	.470	11514	18.2	11D	-N	2	C		.19			DH
MONT	20	0810	0814	0812	N13	W28	.472	11514	18.2	4	-N		C	0812	.52			
ZURI	20	0810	0826	0812	N14	W28	.475	11514	18.2	16	-N		C	0812	.75	.80		
GRP40515	20	0858	0912	0901	S14	W17	.454	11516	19.1	14	--F		C		.35			4 4 4 12
ATHN	20	0856	0913	0900	S13	W18	.453	11516	19.0	17	-F	2	C		.33			D
HTPR	20	0858	0911	0900	S13	W17	.443	11516	19.1	13	-F		C	0900	.10	.10		
TEHR	20	0859	0916	0904	S17	W15	.474	11516	19.2	17	-N	3	C		.19			D
ZURI	20	0900	0908	0900	S12	W17	.431	11516	19.1	8	-N		C	0900	.79	.90		
GRP40518	20	1022	1036	1026	N13	W29	.487	11514	18.3	14	--F		C		.59			4 4 4 10
ZURI	20	1022	1030	1024	N14	W28	.475	11514	18.3	8	-F		C	1024	.79	.90		D
ATHN	20	1022	1030	1026	N14	W29	.489	11514	18.3	8	-F	2	C		.33			
TEHR	20	1022	1030	1024	N12	W30	.499	11514	18.2	8	-N	3	C		.19			DH
CATA	20	1030E	1055	1030	N13	W29	.487	11514	18.3	25D	-N		P	1030	1.04	1.19	155	
GRP40520	20	1153	1219	1204	N13	W32	.530	11514	18.1	26	--N		C		.51			5 5 5 10
TEHR	20	1152	1221D	1209	N12	W31	.514	11514	18.2	29D	-N	2	C		.19			
ZURI	20	1154	1230	1204	N13	W27	.457	11514	18.5	36	-N		C	1204	.91	1.00		
RAMY	20	1154	1212	1156	N13	W30	.501	11514	18.2	18	-F	3	C		.41			D
CAPS	20	1200E	1210D		N13	W39	.627	11514	17.6	10D	-N	3	V	1202	.40	.50	170	
ATHN	20	1208E	1213	1208	N14	W31	.518	11514	18.2	5D	-F	2	C		.66			D

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %	
					LAT.	MER. DIST.												
GRP40523	20	1444	1625	1450	N13	W30	.501	11514	18.4	101	--F							5 4 3 13
HUAN	20	1443	1504D	1448U	N12	W31	.514	11514	18.3	21D	-F	2	P	1448	.81	.47		ET
ZURI	20	1444	1532	1454	N14	W27	.460	11514	18.6	48	-N		C	1454	1.38	1.60		
ATHN	20	1445	1457D	1449	N12	W31	.514	11514	18.3	12D	-F	2	C		.66			D
CANR	20	1445	1445D		N13	W31	.516	11514	18.3		-N	3	V			.50		
CATA	20	1450	1625D	1515	N12	W32	.529	11514	18.2	95D	-N		P	1515	.69	.82		166 H
GRP40525	20	1817	1832	1820	N13	W35	.573	11514	18.1	15	--F				.85			2 2 2 4
HUAN	20	1817E	1825		N12	W34	.557	11514	18.2	8D	-N	1	P	1819	.51	.62		E
PALE	20	1818E	1838D	1820	N13	W35	.573	11514	18.1	20D	-F	2	C		1.18			F
GRP40526	20	2027	2036	2029	N12	W36	.585	11514	18.2	9	--N				.35			3 3 2 3
LOCK	20	2026	2038	2030	N11	W36	.584	11514	18.2	12	-N		C					
HUAN	20	2027	2032D	2028	N12	W36	.585	11514	18.2	5D	-N	1	P	2028	.33	.41		D
PALE	20	2028	2034	2029	N13	W36	.586	11514	18.2	6	-N	2	C		.36			F
527 LOCK	20	2045	2100	2050	N03	W20	.348	11515	19.4	15	--F		C					3
GRP40528	20	2116	2128	2119	N12	W36	.585	11514	18.2	12	--N				.56			3 3 2 3
LOCK	20	2109	2124	2113	N11	W36	.584	11514	18.2	15	-F		C					
LOCK	20	2114	2130	2120	N11	W36	.584	11514	18.2	16	-N		C					
HUAN	20	2116	2125	2119	N12	W37	.599	11514	18.1	9	-F	1	C	2119	.30	.38		D
PALE	20	2118	2128	2119	N13	W36	.586	11514	18.2	10	-B	2	C		.81			F
GRP40529	20	2138	2148	2141	N12	W36	.585	11514	18.2	10	--N				.39			3 3 2 3
HUAN	20	2137	2145	2140U	N12	W37	.599	11514	18.1	8	-F	1	P	2140	.23	.29		D
LOCK	20	2137	2152	2140	N11	W36	.584	11514	18.2	15	-N		C					
PALE	20	2140	2146	2143	N13	W36	.586	11514	18.2	6	-N	2	C		.55			F
GRP40530	20	2153	2206	2157	N12	W37	.599	11514	18.1	13	--F				.91			2 2 1 2
PALE	20	2153E	2207	2157	N12	W37	.599	11514	18.1	14D	-N	2	C		.91			F
LOCK	20	2153	2205	2157	N11	W36	.584	11514	18.2	12	-F		C					
GRP40531	20	2231	2302	2246	N03	W22	.379	11515	19.3	31	--F				.81			2 2 1 4
PALE	20	2221	2303	2245	N03	W23	.395	11515	19.2	42	-N	2	C		.81			
PALE	20	2221	2303	2224	N03	W23	.395	11515	19.2	42	-F	2	C		.55			SF
LOCK	20	2240	2300	2246	N03	W20	.348	11515	19.4	20	-F		C					
GRP40538	21	0055	0121	0102	N13	W38	.613	11514	18.2	26	-B				.83			4 4 2 4
PALE	21	0055	0102	0056	N13	W39	.627	11514	18.1	7	-F	2	C		.27			
VORO	21	0055	0114	0100	N13	W38	.613	11514	18.2	19	-B		C	0109	.93	1.20		86 EJK
CRON	21	0106E	0112		N13	W38	.613	11514	18.2	6D	-N	3	V					
MANI	21	0107E	0121	0109	N13	W38	.613	11514	18.2	14D	-B	2	C	0109	.72	.92		
PALE	21	0109E	0109D		N14	W38	.615	11514	18.2		-B	2	C					
539 TEHR	21	0307	0316	0308	N12	W38	.612	11514	18.3	9	--N	3	C		.09			D 3
GRP40540	21	0326	0337	0329	N12	W39	.626	11514	18.2	11	--N				.34			3 3 3 3
TEHR	21	0324	0336	0328	N12	W39	.626	11514	18.2	12	-B	3	C		.09			F
CRON	21	0327	0333	0329	N13	W40	.640	11514	18.1	6	-N	3	V	0329	.20			
MANI	21	0330E	0342	0331	N12	W39	.626	11514	18.2	12D	-N	2	C	0331	.72	.92		
GRP40541	21	0523	0542	0529	N12	W41	.652	11514	18.1	19	-N				.95			5 5 5 6
ABST	21	0523	0547D	0529	N13	W41	.653	11514	18.1	24D	-F		P	0529	1.53	2.00		76 EJJ
TEHR	21	0523	0534	0528	N12	W40	.639	11514	18.2	11	-N	3	C		.09			D
ATHN	21	0523	0543	0528	N12	W43	.677	11514	18.0	20	-N	1	C		.66			D
TACH	21	0524	0547	0529	N12	W39	.626	11514	18.3	23	1F		V	0530	1.83	2.35	3.18	57 DL
MANI	21	0529E	0541	0530	N12	W40	.639	11514	18.2	12D	-N	2	C	0530	.62	.81		
4 STATIONS REPORTING GROUP 40542. 5 STATIONS OBSERVING AND NOT REPORTING.																		
GRP40542	21	0609	0643	0629	N12	W42	.665	11514	18.1	34	-N				.94			3 3 3 9
TEHR	21	0608	0643	0629	N11	W42	.664	11514	18.1	35	-B	3	C		.19			
ABST	21	0610	0644	0626	N13	W44	.691	11514	18.0	34	1N		P	0626	1.80	2.40		85 EJ
ATHN	21	0612E	0641	0631	N12	W41	.652	11514	18.2	29D	-N	3	C		.83			D
40542	21	0608	0642	0615	N12	W41	.652	11514	18.2	34	*-N				.49			3 3 3 8
TEHR	21	0608	0643	0614	N11	W42	.664	11514	18.1	35	-N	3	C		.19			HD
ATHN	21	0612E	0641	0615	N12	W41	.652	11514	18.2	29D	-N	3	C		.66			
MANI	21	0615E	0641	0617	N13	W40	.640	11514	18.3	26D	-N	2	C	0617	.62	.82		
GRP40545	21	0702	0717	0712	S13	W30	.587	11516	19.0	15	--F				.46			3 3 3 11
ZURI	21	0654E	0710D	0710	S11	W30	.572	11516	19.0	16D	-F		P	0710	1.11	1.30		
TEHR	21	0709	0717	0712	S13	W28	.564	11516	19.2	8	-F	3	C		.09			D
ATHN	21	0713E	0717	0713	S14	W31	.606	11516	19.0	4D	-F	3	C		.17			D
GRP40546	21	0706	0715	0708	N12	W43	.677	11514	18.1	9	--N				.53			3 3 3 10
ABST	21	0704	0711	0707	N11	W44	.690	11514	18.0	7	-N		C	0707	1.18	1.60		78 EJJ
TEHR	21	0706	0712	0708	N12	W42	.665	11514	18.1	6	-N	3	C		.09			D
ATHN	21	0707	0722	0709	N12	W42	.665	11514	18.1	15	-N	3	C		.33			D

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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 Hc		MAX. INT. %
GRP40548	21	0848	0859	0851	N13	W43	.678	11514	18.1	11	--N							4 4 4 12
CAPE	21	0846	0910	0854	N13	W45	.703	11514	18.0	24	-N		0854	1.08	1.50			D
ATHN	21	0848	0853D	0852	N13	W44	.691	11514	18.1	50	-N	1	C	.17				D
HTPR	21	0848	0854	0850	N13	W42	.666	11514	18.2	6	-F		C	0850	.31	.40		D
TEHR	21	0848	0854	0849	N12	W41	.652	11514	18.3	6	-N	3	C	.09				D
4 STATIONS REPORTING GROUP 40553. 8 STATIONS OBSERVING AND NOT REPORTING.																		
GRP40553	21	1205	1254	1219	N12	W61	.868	11511	16.9	49	--N				.35			3 3 3 11
TEHR	21	1200	1303	1217	N13	W60	.859	11511	17.0	63	-N	3	C	.09				D
ZURI	21	1205	1310	1219	N12	W60	.860	11511	17.0	65	-N		C	1219	.69	1.30		D
MCMA	21	1210	1230	1220	N11	W62	.877	11511	16.9	20	-N		C	1220	.26	.60		D
40553	21	1200	1303	1254	N13	W60	.859	11511	17.0	63	*-N			.09				2 1 1 12
TEHR	21	1200	1303	1254	N13	W60	.859	11511	17.0	63	-N	3	C	.09				D
ATHN	21	1231E	1233D	1231	N12	W65	.900	11511	16.6	20	-F	1	C	.33				D
GRP40554	21	1237	1250	1240	S13	W32	.610	11516	19.1	13	--F			.78				4 4 4 12
TEHR	21	1236	1242	1239	S13	W32	.610	11516	19.1	6	-N	3	C	.09				F
CAPE	21	1237	1245	1240	S13	W33	.622	11516	19.1	8	-F		C	1240	.99	1.30		E
MCMA	21	1237	1243	1240	S13	W33	.622	11516	19.1	6	-N		C	1240	.41	.50		E
ZURI	21	1239E	1310	1239	S12	W31	.591	11516	19.2	310	-F		C	1239	1.62	2.00		
GRP40556	21	1511	1529	1516	N11	W51	.771	11511	17.8	18	1N			1.59				6 6 5 8
RAMY	21	1509	1529	1514	N10	W50	.760	11511	17.9	20	-N	3	C	1.39				D
ZURI	21	1510	1521	1515	N13	W44	.691	11511	18.3	11	1B		C	1515	2.31	3.30		
MCMA	21	1510	1522	1515	N11	W62	.877	11511	17.0	12	-B		C	1515	.62	1.40		EV
ONDR	21	1513E	1526		N10	W49	.749	11511	18.0	130	2N		V	1515			3.00	CHJR
CATA	21	1515	1525D	1520	N10	W50	.760	11511	17.9	100	1N		P	1520	2.78	4.33		178
ATHN	21	1516E	1521	1516	N11	W49	.749	11511	18.0	50	-N	1	C	.83				D
GRP40557	21	1557	1640	1610	S07	E16	.363	11524	22.9	43	-F			1.46				6 5 5 6
ATHN	21	1555	1600D	1557	S07	E15	.351	11524	22.8	50	-F	1	C	.50				D
ZURI	21	1555	1635	1605	S07	E20	.413	11524	23.2	40	1N		C	1605	3.78	4.10		
HTPR	21	1557	1631	1615	S05	E15	.330	11524	22.8	34	-F		C	1615	.52	.50		E
MCMA	21	1558	1640	1610	S07	E16	.363	11524	22.9	42	-F		C	1610	.62	.70		E
RAMY	21	1558E	1634	1612	S07	E16	.363	11524	22.9	360	-F	2	C		.93			US
CATA	21	1600	1615D	1610	S08	E15	.362	11524	22.8	150	-N		P	1610	1.44	1.56		166
558 RAMY	21	1643	1649	1645	N14	W45	.703	11514	18.3	6	--F	3	C	.28				DH 3
GRP40559	21	1710	1723	1716	S11	W34	.621	11516	19.2	13	--F			.45				3 3 3 5
MCMA	21	1708E	1719D		S11	W35	.633	11516	19.1	110	-F		C	1713	.62	.80		E
PALE	21	1710	1718D	1716	S11	W33	.609	11516	19.2	80	-F	2	C		.45			F
RAMY	21	1713	1723	1715	S12	W33	.615	11516	19.2	10	-F	2	C		.28			D
GRP40560	21	1722	1736	1726	N12	W51	.771	11514	17.9	14	--N			.41				5 5 4 5
MCMA	21	1722E	1740D	1725	N11	W51	.771	11514	17.9	180	-N		C	1725	.36	.60		DH
RAMY	21	1722	1735	1724	N11	W51	.771	11514	17.9	13	-N	3	C		.65			D
LOCK	21	1722	1735	1727	N11	W52	.782	11514	17.8	13	-N		C					H
HUAN	21	1722	1734	1725	N12	W51	.771	11514	17.9	12	-N	1	C	1725	.25	.38		D
PALE	21	1726E	1727D	1727	N14	W50	.761	11514	18.0	10	-N	2	C		.36			
563 LOCK	21	1950	2010	2000	N11	W66	.908	11511	16.9	20	--F							3
GRP40564	21	2004	2014	2007	S11	W35	.633	11516	19.2	10	--F							2 2 0 3
LOCK	21	2004	2012	2007	S11	W35	.633	11516	19.2	8	-F							
RAMY	21	2009E	2015D		S10	W34	.615	11516	19.3	60	-F	1	C					D
565 RAMY	21	2016	2017D	2017	N14	W47	.727	11514	18.3	10	--F	1	C	.28				D 3
566 PALE	21	2133	2143	2138	N14	W50	.761	11514	18.1	10	--F	2	C	.27				2
GRP40567	21	2306	2321	2309	N12	W51	.771	11514	18.1	15	-N			.73				3 3 2 3
LOCK	21	2305	2325	2310	N13	W50	.761	11514	18.2	20	-F							
HANI	21	2306E	2326	2309	N12	W51	.771	11514	18.1	200	-N	2	C	2309	.62	.98		
VORO	21	2307	2313	2308	N11	W52	.782	11514	18.1	6	-B		C	2308	.84	1.30		96
568 LOCK	21	2313	2332	2318	S05	E12	.293	11524	22.9	19	--F							3
GRP40570	22	0305	0323	0310	N11	W56	.823	11514	17.9	18	--F			.39				2 2 2 3
TEHR	22	0305	0330	0313	N09	W57	.833	11514	17.9	25	-N	2	C	.36				F
HANI	22	0306E	0316	0306	N12	W55	.813	11514	18.0	100	-F	2	C	0306	.41	.69		
GRP40572	22	0632	0655	0645	N13	W55	.813	11514	18.1	23	-N			.77				3 3 3 8
TEHR	22	0627	0640	0633	N14	W55	.813	11514	18.1	13	-N	2	C	.45				FH
TEHR	22	0637	0656	0643	N12	W54	.803	11514	18.2	19	-N	2	C	.83				FD
HANI	22	0641E	0655	0647	N12	W56	.823	11514	18.1	140	-N	2	C	0647	.83	1.40		
ATHN	22	0641E	0654	0644	N13	W56	.823	11514	18.1	130	-N	2	C	.66				D

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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 Hg	MAX. INT. %					
					LAT.	MER. DIST.																
1971 SEP																						
GRP40573	22	0721	0824	0726	N12	W57	.832	11514	18.0	63	1N						6 5 5 10					
TACH	22	0556	0758	0726	N12	W58	.842	11514	17.9	122	2F	C	0726	2.11	5.10	9.43	1.75	84	F			
TEHR	22	0719	0743	0729	N10	W58	.842	11514	18.0	24	-N	3 C		1.09					F			
ATHN	22	0719E	0739	0722	N13	W54	.803	11514	18.3	200	-N	2 C		.99					D			
CATA	22	0720	0750	0725	N10	W58	.842	11514	18.0	30	-B	C	0725	.80	1.53				214	T		
MONT	22	0724	0734	0726	N13	W59	.851	11514	17.9	10	1N	C	0726	2.58						D		
ISTA	22	0740	0824		N14	W54	.803	11514	18.3	44	-F											
GRP40574	22	0827	0846	0833	N11	W58	.842	11514	18.0	19	1N			1.33						11 11 8 13		
WEND	22	0824	0844		N12	W57	.832	11514	18.1	20	-N											
ARCE	22	0825	0900	0831	N10	W59	.851	11514	17.9	350	1N	C	0831	1.71	3.30							
MONT	22	0825	0847	0831	N13	W59	.851	11514	17.9	22	-N	C	0831	.72								
ISTA	22	0825	0838		N11	W55	.813	11514	18.2	13	-N											
TEHR	22	0826	0850	0831	N10	W58	.842	11514	18.0	24	-B	3 C		.55						F		
ZURI	22	0826	0925	0832	N12	W61	.868	11514	17.8	59	1B	C	0832	1.32	2.60							
CRON	22	0828E	0838	0829	N12	W58	.842	11514	18.0	100	-N	1 V	0829	.50								
CATA	22	0830E	0845	0840	N10	W59	.851	11514	17.9	150	-N	P	0840	.87	1.69			3.20	195	T		
ONDR	22	0830E	0839		N10	W57	.833	11514	18.1	90	1N	V	0833							C		
ATHN	22	0831E	0854	0834	N13	W54	.803	11514	18.3	230	-B	2 C		.83						D		
CAPP	22	0832	0840		N11	W59	.851	11514	17.9	8	2N	P	0833	4.13	7.60					GL		
GRP40576	22	0902	0915	0906	N15	W54	.804	11514	18.3	13	--N			.51						4 4 3 12		
ISTA	22	0859	0919		N14	W54	.803	11514	18.3	20	-N											
ATHN	22	0901E	0911	0906	N16	W51	.773	11514	18.6	100	-F	2 C		.66						D		
TEHR	22	0901	0915	0906	N13	W55	.813	11514	18.3	14	-N	3 C		.36						F		
MONT	22	0906	0914	0907	N15	W56	.823	11514	18.2	8	-N	C	0907	.52								
GRP40579	22	1113	1133	1120	N11	W61	.868	11514	17.9	20	-N			1.29						6 6 5 12		
ISTA	22	1100	1130		N11	W57	.832	11514	18.2	30	-N											
ZURI	22	1110	1138	1116	N12	W60	.860	11514	18.0	28	1B	C	1116	2.31	4.50							
RAMY	22	1112	1135	1115	N09	W61	.869	11514	17.9	23	-F	2 C		1.03						D		
MONT	22	1113	1131	1124	N13	W61	.868	11514	17.9	18	-N	C	1124	1.86								
TEHR	22	1115	1132	1123	N09	W62	.878	11514	17.8	17	-N	3 C		.45						F		
CATA	22	1115	1130	1123	N10	W62	.877	11514	17.8	150	-B	P	1123	.80	1.73			229				
GRP40580	22	1211	1227	1217	N17	E53	.795	11528	26.5	16	--N			.31						3 3 3 12		
MCMA	22	1210	1233	1217	N17	E51	.774	11528	26.3	23	-N	C	1217	.21	.30					D		
ZURI	22	1211	1227	1216	N18	E55	.815	11528	26.6	16	-N	C	1216	.53	.90							
TEHR	22	1213	1221	1217	N15	E52	.783	11528	26.4	8	-F	3 C		.19						D		
9 STATIONS REPORTING GROUP 40581.					3 STATIONS OBSERVING AND NOT REPORTING.																	
GRP40581	22	1256	1316	1305	N14	W59	.851	11514	18.1	20	-N			1.14						9 9 8 12		
RAMY	22	1254	1322	1310	N15	W59	.851	11514	18.1	28	-N	3 C		1.03								
RAMY	22	1254	1322	1302	N15	W59	.851	11514	18.1	28	-N	3 C		.93							DH	
HUAN	22	1255	1307	1301	N15	W59	.851	11514	18.1	12	-B	1 C	1301	.63	1.20							
CANR	22	1255	1308	1304	N15	W58	.842	11514	18.2	13	-N	2 C	1304	.22	.40							
TEHR	22	1256	1318	1303	N13	W59	.851	11514	18.1	22	-N	2 C		.28							FH	
ZURI	22	1257	1324	1306	N15	W57	.833	11514	18.3	27	1B	C	1306	3.36	6.20							
MCMA	22	1257	1320		N14	W58	.842	11514	18.2	23	-N	C	1306	.83	1.60							
MONT	22	1257	1307	1303	N15	W58	.842	11514	18.2	10	-N	C	1303	2.27								
ATHN	22	1258	1310	1303	N16	W61	.868	11514	18.0	12	-F	1 C		.33								
MONT	22	1304	1316	1309	N13	W62	.876	11514	17.9	12	-N	C	1309	1.86								
TEHR	22	1305	1316	1309	N09	W58	.843	11514	18.2	11	-F	2 C		.36								
ATHN	22	1306	1309D	1308	N13	W63	.884	11514	17.8	30	-N	1 C		.50								
CAPS	22	1310E	1320D		N13	W58	.842	11514	18.2	100	-N	3 V										
581 HUAN	22	1302	1314	1307	N10	W63	.885	11514	17.8	12	*-N	1 C	1307	.58	1.22						12	
GRP40583	22	1325	1426	1341	N08	E31	.511	11525	24.9	61	1N			2.30						10 10 9 14		
HUAN	22	1318	1427D	1344	N08	E31	.511	11525	24.9	690	1N	2 P	1344	1.82	2.09							
ZURI	22	1323	1450	1340	N08	E31	.511	11525	24.9	87	2B	C	1340	4.84	5.60							
TEHR	22	1324	1359	1335	N08	E32	.526	11525	25.0	35	-N	3 C		.91								
MCMA	22	1324	1445D		N08	E30	.496	11525	24.8	810	-N	C	1350	1.03	1.20							
RAMY	22	1325	1415	1338	N08	E30	.496	11525	24.8	50	-N	3 C		1.86								
ATHN	22	1325	1352D	1332	N08	E33	.541	11525	25.0	270	-N	1 C		1.32								
CATA	22	1325	1445D	1350	N07	E30	.497	11525	24.8	800	1N	C	1350	2.32	2.68				182	D		
MONT	22	1326	1424	1346	N07	E31	.511	11525	24.9	58	1N	C	1346	4.54								
CAPS	22	1330E	1420D		N09	E30	.496	11525	24.8	500	1N	3 P	1345	2.10	2.50				175			
CANR	22	1330	1406		N08	E31	.511	11525	24.9	36	-F	3 V		1.10								
GRP40584	22	1447	1457	1450	N14	W59	.851	11514	18.2	10	--F			.56						3 3 3 10		
RAMY	22	1446	1503	1450	N15	W60	.860	11514	18.1	17	-F	2 C		.36								
ZURI	22	1447	1452	1450	N14	W57	.832	11514	18.3	5	-N	C	1450	1.05	2.00							
MCMA	22	1448	1455	1450	N14	W59	.851	11514	18.2	7	-F	C	1450	.26	.50							

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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 FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %	
					LAT.	MER. DIST.												
GRP40585	22	1645	1655	1648	N14	W61	.868	11514	18.1	10	--F						4 4 2 6	
BOUL	22	1644	1656	1649	N14	W61	.868	11514	18.1	12	-F	3	V					
RAMY	22	1645	1655	1648	N15	W60	.860	11514	18.2	10	-F	2	C				D	
LOCK	22	1645	1654	1648	N13	W61	.868	11514	18.1	9	-F		C					
PALE	22	1646E	1654D	1648	N13	W62	.876	11514	18.0	8D	-F	1	C				F	
GRP40586	22	1704	1744	1712	S17	W36	.681	11516	20.0	40	--F						2 2 2 5	
RAMY	22	1704	1744	1711	S17	W36	.681	11516	20.0	40	-F	2	C				D	
MCMA	22	1704	1735D	1713	S17	W36	.681	11516	20.0	31D	-N		C	1713	.93	1.20	E	
GRP40587	22	2250	2319	2254	N17	E45	.707	11528	26.3	29	--F						2 2 1 3	
BOUL	22	2249	2323	2253	N16	E44	.694	11528	26.3	34	-F	2	C	2253	.22	.30		
LOCK	22	2250	2315	2254	N18	E45	.709	11528	26.3	25	-F		C					
GRP40589	23	0242	0312	0248	S13	W55	.850	11516	19.0	30	-N				1.08		4 4 4 5	
MANI	23	0236	0309	0244	S13	W56	.858	11516	18.9	33	-F	2		0244	.41	.47		
TEHR	23	0245	0307	0249	S14	W55	.852	11516	19.0	22	-N	3	C		.45		F	
CULG	23	0246	0320	0247	S10	W55	.842	11516	19.0	34	1N		C	0247	2.48	4.32	V	
PALE	23	0250E	0257D	0250	S13	W55	.850	11516	19.0	7D	-N	2	C		.99		F	
GRP40590	23	0308	0331	0315	N08	E23	.388	11525	24.9	23	--N				.63		2 2 2 5	
TEHR	23	0308	0327	0310	N08	E22	.372	11525	24.8	19	-N	3	C		.64		F	
MANI	23	0309E	0335	0319	N07	E23	.388	11525	24.9	26D	-N	2		0319	.62	.68		
GRP40599	23	1601	1610	1603	S05	E88	1.000	11534	30.3	9	-N				.23		5 5 1 9	
CANR	23	1600	1617	1604	S05	E90	1.000	11534	30.4	17	-B	2	V	1604		2.00		
LOCK	23	1600	1613	1604	S05	E81	.990	11534	29.7	13	-F		C				H	
CATA	23	1602	1610D	1602	S06	E90	1.000	11534	30.4	8D	-N		P	1602	.23		174	
MCMA	23	1602	1605	1603	S05	E90	1.000	11534	30.4	3	-N		C	1603			D	
BOUL	23	1603	1605	1603	S05	E90	1.000	11534	30.4	2	-B	3	V					
GRP40600	23	1623	1642	1624	N08	E16	.274	11525	24.9	19	--F				.52		3 3 1 6	
BOUL	23	1622	1650	1622	N08	E15	.257	11525	24.8	28	-F	3	V					
MCMA	23	1623	1635	1626	N07	E15	.257	11525	24.8	12	-F		C	1626	.52	.50	E	
CANR	23	1624	1641		N08	E17	.290	11525	25.0	17	-F	2	V		.60			
602 MCMA	23	2007	2040		N07	E18	.307	11525	25.2	33	--F		C	2007	.62	.60	EL 3	
GRP40606	24	0403	0420	0408	N08	E09	.156	11525	24.8	17	-F				1.43		5 4 4 5	
TEHR	24	0353	0447	0409	N08	E09	.156	11525	24.8	54	-N	3	C		.76		F	
ABST	24	0405	0413D	0407	N07	E08	.138	11525	24.8	8D	-F		P	0407	1.89	1.90	65 DJG	
CRON	24	0405E	0410		N07	E10	.172	11525	24.9	5D	-F	2	V		.80			
CULG	24	0407	0410D		N08	E10	.173	11525	24.9	3D	1N		P	0407	2.27	2.20	V	
MITK	24	0407E	0445		N08	E08	.139	11525	24.8	38D	-N		C	0419	.93	.90	DG	
GRP40608	24	0442	0537	0458	N14	W82	.987	11514	18.0	55	-N				.94		4 4 4 6	
TEHR	24	0423	0533	0501	N11	W85	.994	11514	17.8	70	-N	2	C		.37			
TEHR	24	0423	0533	0427	N11	W85	.994	11514	17.8	70	-F	2	C		.19		D	
TEHR	24	0439	0455	0447	N17	W76	.964	11514	18.5	16	-F	2	C		.13		D	
ABST	24	0445	0454	0449	N19	W84	.990	11514	17.9	9	1F		C	0449	.90		69 EJ	
ABST	24	0446	0540	0456	N12	W89	.999	11514	17.5	54	1F		C	0456	1.80		76 EJ	
CRON	24	0446E	0525D	0501	N15	W80	.980	11514	18.2	39D	1N	2	V	0501	.60			
ATHN	24	0447E	0454D	0452	N13	W78	.974	11514	18.3	7D	-N	1	C		.99		F	
GRP40609	24	0701	0710	0705	S05	E86	.998	11534	30.7	9	--N				.21		2 2 2 7	
TEHR	24	0701	0710	0703	S03	E86	.998	11534	30.7	9	-N	3	C		.09		D	
ATHN	24	0703E	0707D	0706	S07	E86	.999	11534	30.7	4D	-N	2	C		.33		D	
GRP40611	24	0856	0904	0901	S06	E87	.999	11534	30.9	8	--N				.19		4 4 3 13	
ARCE	24	0850E	0900D		S07	E87	.999	11534	30.9	10D	-N		P	0900	.06		T	
CRON	24	0858E	0903		S05	E87	.999	11534	30.9	5D	-N	2	V		.35			
CANR	24	0859	0904	0901	S06	E88	1.000	11534	1.0	5	-N	2	V			.30		
ATHN	24	0900E	0902D	0901	S07	E86	.999	11534	30.8	2D	-N	3	C		.17		D	
GRP40612	24	1014	1047	1016	S16	W61	.903	11516	19.9	33	1N				2.10		5 5 4 9	
TEHR	24	1011	1055	1016	S16	W67	.941	11516	19.4	44	1B	2	C		1.69		UF	
ABST	24	1012	1050	1015	S17	W60	.899	11516	19.9	38	2N		P	1015	2.43	5.40	69 FZ	
CANR	24	1013	1045	1015	S17	W60	.899	11516	19.9	32	1F	2	V		2.30			
MONT	24	1017E	1039	1018	S16	W59	.889	11516	20.0	22D	-N		C	1018	2.27			
CATA	24	1018	1025D	1018	S16	W58	.882	11516	20.1	7D	1N		P	1018	2.02	4.47	186	
GRP40613	24	1204	1220	1207	S14	E22	.504	11531	26.2	16	--N				.51		3 3 2 9	
CANR	24	1203	1217	1205	S14	E21	.494	11531	26.1	14	-N	2	V		.50			
TEHR	24	1204	1218	1206	S13	E22	.494	11531	26.2	14	-N	3	C		.33		F	
CATA	24	1210E	1225D	1210	S15	E22	.515	11531	26.2	15D	-N		P	1210	.69	.81	155	

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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	MCMATH	CMP	MEAS. AREA				CORR. AREA	MAX. WIDTH	MAX. INT.				
					LAT.	MER. DIST.	DISTANCE									PLAGE REGION	DAY		Sq. Deg.
	1971 SEP																		
GRP40617	24	1740	1801	1749	N12	W86	.996	11514	18.3	21	-N								3 3 0 5
RAMY	24	1735	1758		N13	W86	.995	11514	18.3	23	-N	1	C						D
LOCK	24	1742	1800	1749	N13	W83	.989	11514	18.5	18	-F		C						
BOUL	24	1742	1805	1749	N11	W89	.999	11514	18.1	23	-N	3	V						
GRP40618	24	1914	1928	1916	S07	E75	.971	11534	30.4	14	-N		C		.42				4 4 3 6
LOCK	24	1913	1929	1916	S05	E75	.969	11534	30.4	16	-N		C						
RAMY	24	1914	1917	1915	S13	E73	.967	11534	30.3	30	-N	1	C		.41				D
MCMA	24	1915	1929	1917	S04	E73	.960	11534	30.3	14	-N		C	1917	.41	1.60			EH
HUAN	24	1919E	1927		S05	E77	.977	11534	30.6	80	-N	1	P	1920	.43				E
GRP40619	24	1929	2003	1940	S06	E77	.978	11534	30.6	34	--F				.12				2 2 1 5
BOUL	24	1928	2000	1935	S06	E75	.970	11534	30.4	32	-F	3	V						
HUAN	24	1930	1933	1931	S06	E78	.981	11534	30.7	3	-F	1	C	1931	.12				D
HUAN	24	1941	2005		S06	E78	.981	11534	30.7	24	-N	1	P	1945	.21				E
GRP40620	24	2245	2311	2251	S14	E80	.990	11534	30.9	26	1F								2 2 0 3
LOCK	24	2244	2307	2250	S13	E80	.990	11534	30.9	23	-F		C						H
BOUL	24	2245	2315	2252	S15	E80	.991	11534	30.9	30	2F	2	V						
621 BOUL	24	2247	2310	2255	N16	W80	.980	11514	18.9	23	-N	2	C	2255	.43				3
	25	0044	0132	NO FLARE PATROL															
622 MANI	25	0156	0204	0204	N13	W90	1.000	11514	18.3	8	-N	2		0204	.42	1.37			2
GRP40632	25	1659	1712	1705	S11	E03	.313	11531	25.9	13	--F				.55				3 3 2 5
RAMY	25	1658	1715	1703	S11	E03	.313	11531	25.9	17	-F	2	C		.65				D
BOUL	25	1700	1710	1703	S10	E04	.300	11531	26.0	10	-F	2	V						F
PALE	25	1708E	1711D	1708	S11	E03	.313	11531	25.9	30	-F	2	C		.45				
635 HUAN	25	1816E	1825D		S08	E14	.350	11530	26.8	90	--N	2	P	1816	.35	.38			E
636 LOCK	25	1849	1915	1855	N07	W13	.223	11525	24.8	26	--F		C						1
637 BOUL	25	1900	1920	1908	N14	W01	.124	11528	25.7	20	--F	2	V						2
	25	1920	1945	NO FLARE PATROL															
638 PALE	25	1959	2015	2001	S09	E57	.857	11534	30.1	16	--F	2	C		.45				F
639 PALE	25	2001	2017	2005	S10	E13	.364	11530	26.8	16	--N	2	C		.45				1
640 PALE	25	2042	2056	2044	S13	E67	.937	11534	30.9	14	-N	2	C		.55				F
	25	2247	2325	NO FLARE PATROL															
GRP40642	26	0659	0710	0701	S09	E57	.857	11534	30.6	11	--N				.53				3 3 3 8
ATHN	26	0658	0708	0701	S08	E56	.846	11534	30.5	10	-N	3	C		.33				D
TEHR	26	0659	0712	0702	S08	E59	.872	11534	30.7	13	-N	3	C		.19				F
ABST	26	0659	0709	0701	S10	E57	.859	11534	30.6	10	1F		C	0701	1.08	2.20			D
GRP40644	26	0907	0942	0916	S08	E69	.942	11534	1.6	35	--F				.40				3 3 3 10
TEHR	26	0904	0953	0916	S08	E67	.930	11534	1.4	49	-F	3	C		.19				D
TEHR	26	0904	0942	0917	S04	E69	.938	11534	1.6	38	-F	3	C		.09				D
ATHN	26	0908	0940	0915	S08	E68	.936	11534	1.5	32	-F	3	C		.50				D
HTPR	26	0908	0945	0918	S10	E70	.950	11534	1.6	37	-F		C	0918	.52				
4 STATIONS REPORTING GROUP 40645. 5 STATIONS OBSERVING AND NOT REPORTING.																			
GRP40645	26	0915	1030	0939	N03	E53	.798	11533	30.4	75	-N				1.02				4 4 4 9
ATHN	26	0913	0950	0937	N02	E51	.778	11533	30.2	37	-N	3	C		.83				D
TEHR	26	0915	1000	0941	N03	E51	.776	11533	30.2	45	-N	3	C		.66				
HTPR	26	0918	0950	0940	N03	E52	.787	11533	30.3	32	-N		C	0940	1.03	1.60			EW
MONT	26	0937E	1030D	0937	N03	E55	.818	11533	30.5	53D	-N		C	0937	1.55				
ATHN	26	0952	1019	0955	N03	E54	.808	11533	30.5	27	-N	3	C		.50				D
40645	26	0914	0955	0921	N03	E51	.776	11533	30.2	41	*-F				.35				3 2 2 10
ATHN	26	0913	0950	0923	N02	E51	.778	11533	30.2	37	-N	3	C		.50				
TEHR	26	0915	1000	0918	N03	E51	.776	11533	30.2	45	-F	3	C		.19				D
ARCE	26	0944E	0955D		N02	E52	.789	11533	30.3	11D	-N		C	0950	.83	1.30			
GRP40647	26	1028	1049	1032	S14	W04	.363	11531	26.1	21	--N				.31				3 3 2 5
TEHR	26	1027	1053	1032	S14	W03	.361	11531	26.2	26	-N	3	C		.28				D
ATHN	26	1028	1045	1031	S13	W03	.345	11531	26.2	17	-F	3	C		.33				D
CANR	26	1029	1029D		S14	W06	.371	11531	26.0		-N	2	V			.50			

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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	MCMATH	CMP	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT.	MER. DIST.	DISTANCE										PLAGE REGION	
	1971 SEP																	
GRP40648	26	1223	1240	1228	S10	E54	.833	11534	30.6	17	--F						3 2 1 5	
ATHN	26	1223	1240	1228	S10	E54	.833	11534	30.6	17	-F	3	C				D	
CANR	26	1223	1239		S09	E54	.830	11534	30.6	16	-F	2	V		.60		F	
TEHR	26	1223	1231	1227	S08	E65	.917	11534	1.4	8	-F	3	C					
652 LOCK	26	2005	2025	2012	N07	W28	.466	11525	24.7	20	--F		C				3	
GRP40653	27	0133	0155	0140	S08	E48	.767	11534	30.7	22	-N	2	C	0137	.96		3 3 3 4	
CRON	27	0132	0156	0137	S11	E46	.756	11534	30.5	24	-N	2	C	0137	.32	.50		
PALE	27	0134	0156	0143	S09	E48	.771	11534	30.7	22	-N	3	C		1.08		FS	
SIBE	27	0135E	0154	0140	S03	E50	.776	11534	30.8	19D	1F		C	0140	1.49	2.26	71 DI	
GRP40655	27	0516	0536	0521	S11	W17	.417	11531	25.9	20	--N				.99		3 3 3 5	
TEHR	27	0513	0527	0519	S12	W17	.428	11531	25.9	14	-N	4	C		.19		FS	
CULG	27	0515	0547D		S11	W16	.406	11531	26.0	32D	1N		P	0520	2.27	2.42		
ATHN	27	0519	0533	0523	S11	W17	.417	11531	25.9	14	-F	2	C		.50		D	
GRP40660	27	1156	1212	1159	S05	E58	.858	11534	1.8	16	--F				.33		4 4 4 7	
ATHN	27	1155	1212	1159	S05	E57	.849	11534	1.8	17	-N	3	C		.33		D	
RAMY	27	1156	1209	1159	S05	E60	.875	11534	2.0	13	-F	3	C		.28		D	
TEHR	27	1156	1213	1200	S04	E57	.847	11534	1.8	17	-N	4	C		.19		F	
HTPR	27	1156	1212	1159	S07	E56	.844	11534	1.7	16	-F		C	1159	.52	.80	E	
HTPR	27	1156	1212	1207	S07	E56	.844	11534	1.7	16	-F		C					
GRP40662	27	1309	1334	1315	S11	E42	.713	11534	30.7	25	-N				.81		8 7 6 9	
RAMY	27	1306	1332	1311	S10	E43	.720	11534	30.8	26	-N	3	C		.65		D	
ATHN	27	1307	1334	1314	S10	E42	.709	11534	30.7	27	-N	3	C		.66		F	
HTPR	27	1307	1327	1311	S15	E40	.711	11534	30.5	20	-N		C	1311	.93	1.30	E	
ONDR	27	1311	1330	1320	S13	E41	.711	11534	30.6	19	-F		V	1320			2.20 CODE	
TEHR	27	1312	1341	1321	S08	E42	.700	11534	30.7	29	-N	3	C		.37		F	
ZURI	27	1313E	1318D	1313	S10	E41	.697	11534	30.6	5D	-N		P	1313	1.22	1.70		
CAPS	27	1315E	1340D		S08	E43	.712	11534	30.8	25D	-B	2	P	1317	1.00	1.40	194 C	
CAPS	27	1315E	1340D		S12	E45	.750	11534	30.9	25D	-B	2	P	1317	.80	1.10	216 C	
HUAN	27	1331E	1402	1338U	S12	E43	.728	11534	30.8	31D	-N	2	P	1338	.23	.33	E	
GRP40663	27	1440	1454	1444	S10	E41	.697	11534	30.7	14	--F				.38		3 3 2 9	
HUAN	27	1435	1456	1447	S09	E42	.704	11534	30.8	21	-N	2	C	1447	.25	.34	E	
ATHN	27	1437	1451	1441	S11	E40	.690	11534	30.6	14	-F	3	C		.50		F	
HUAN	27	1437	1446	1440	S13	E41	.711	11534	30.7	9	-N	2	C	1440	.21	.28	E	
BOUL	27	1445	1454	1445	S08	E41	.689	11534	30.7	9	-F	2	V					
GRP40672	27	1811	1835	1814	S05	E47	.748	11534	1.3	24	-N				1.05		4 4 2 4	
BOUL	27	1809	1830	1814	S05	E46	.736	11534	1.2	21	-N	2	C	1814		1.60		
LOCK	27	1810	1835	1813	S04	E47	.745	11534	1.3	25	-N							
RAMY	27	1811	1835D	1814	S05	E47	.748	11534	1.3	24D	-N	1	C		1.02		U	
PALE	27	1812	1841	1816	S04	E46	.734	11534	1.2	29	-B	3	C		1.08		U	
PALE	27	1812	1841	1826	S04	E46	.734	11534	1.2	29	-B	3	C		1.35			
GRP40673	27	1937	1949	1939	S05	E47	.748	11534	1.3	12	--F				.51		3 3 2 4	
RAMY	27	1937	1942D	1938	S05	E47	.748	11534	1.3	5D	-F	1	C		.56		D	
LOCK	27	1937	1943	1939	S04	E47	.745	11534	1.3	6	-F		C					
HUAN	27	1940E	1954D		S06	E46	.739	11534	1.3	14D	-N	2	P	1940	.45	.66	D	
675 PALE	27	2107	2121	2110	S05	E52	.801	11534	1.8	14	--N	3	C		.27		3	
676 PALE	27	2109	2131D	2114	S08	E38	.652	11534	30.7	22D	--F	3	C		.19		F	
677 PALE	27	2109	2131D	2124	S08	E38	.652	11534	30.7	22D	--F	3	C		.45		3	
GRP40678	28	0025	0042	0031	S06	E49	.772	11534	1.7	17	-N				.62		3 3 3 4	
CRON	28	0025	0040	0030	S08	E48	.767	11534	1.6	15	-N	2	C	0030	.32	.51		
MITK	28	0027E	0035D	0031	S06	E50	.783	11534	1.8	8D	-N		C	0031	.72	1.20	E	
PALE	28	0031E	0043	0032	S05	E48	.759	11534	1.6	12D	-N	2	C		.81		D	
GRP40679	28	0131	0158	0140	S10	E33	.601	11534	30.5	27	-N				.91		2 2 2 3	
PALE	28	0131	0209	0138	S09	E34	.608	11534	30.6	38	-N	2	C		1.27		F	
CRON	28	0131	0147	0142	S11	E31	.583	11534	30.4	16	-N	2	C	0142	.54	.66		
680 TEHR	28	0411	0449	0416	S10	E32	.589	11534	30.6	38	--N	4	C		.36		F	
GRP40682	28	0538	0552	0547	S15	W28	.578	11531	26.1	14	--F				.47		2 2 2 5	
TEHR	28	0538	0552	0546	S15	W27	.567	11531	26.2	14	-N	4	C		.28		D	
ATHN	28	0543E	0551	0547	S14	W28	.570	11531	26.1	8D	-F	3	C		.66		D	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS					
	DATE	START	END	MAX. PHASE	APPROX.	CENTRAL	MCMATH	CMP	TIME				MEAS. AREA	CORR. AREA	MAX. WIDTH	MAX. INT. %						
					LAT.	MER. DIST.	DISTANCE												PLAGE REGION	DAY	UT	Sq. Deg.
1971 SEP																						
221	ATHN	01	0442E	0448	0442	S05	W85	.997	11484	25.8	6D	-F	1	C					D	6		
223	TEHR	01	0629	0639	0636	S06	W79	.985	11484	26.3	10	-F	3	C	.09				D	10		
224	ATHN	01	1303	1310	1305	N16	E58	.842	11498	5.9	7	-F	2	C	.17				D	11		
226	RAMY	01	2119E	2122D	2119	S08	E32	.578	11496	4.3	3D	-F	1	C	.41				D	4		
227	MANI	02	0121E	0131	0121	S06	E30	.540	11496	4.3	10D	-F	2	C	0121	.41	.49			3		
228	MANI	02	0230	0235	0232	S06	E30	.540	11496	4.4	5	-F	2	C	0232	.41	.49			6		
229	TEHR	02	0500	0522	0504	S03	E38	.633	11496	5.1	22	-F	3	C	.35				D	5		
230	MANI	02	0636E	0642	0637	S06	E27	.500	11496	4.3	6D	-F	2	C	0637	.41	.48			6		
3 STATIONS REPORTING GROUP 40231. 11 STATIONS OBSERVING AND NOT REPORTING.																						
GRP40231	TEHR	02	0733	0801	0744	S05	E27	.494	11496	4.3	28	-N			.34				2	2	2	14
	TEHR	02	0733	0759	0744	S04	E27	.488	11496	4.3	26	-N	3	C	.17				D			
	CAPS	02	0737E	0803D		S06	E27	.500	11496	4.3	26D	-N	3	P	0739	.50	.60		180			
40231	TEHR	02	0650	0801	0716	S06	E30	.540	11496	4.5	71	*-F			.49				2	2	2	10
	TEHR	02	0650	0710	0657	S04	E28	.502	11496	4.4	20	-F	3	C	.09				D			
	TEHR	02	0701	0801	0711	S06	E31	.554	11496	4.6	60	-F	3	C	.28				F			
	CATA	02	0710E	0745D	0720	S06	E30	.540	11496	4.5	35D	-N		P	0720	.69	.84		151			
232	ATHN	02	0825E	0839	0825	S05	E27	.494	11496	4.4	14D	-F	2	C	.66				D	12		
233	ATHN	02	0912	0921	0914	S05	E28	.507	11496	4.5	9	-F	2	C	.17				D	12		
234	TEHR	02	1345	1354	1348	S04	E22	.417	11496	4.2	9	-N	2	C	.09				D	10		
235	PALE	02	1807	1815	1809	S24	W47	.824	11487	30.2	8	-F	2	C	.27					4		
240	TEHR	03	0232E	0255	0245	S06	E15	.342	11496	4.2	23D	-F	2	C	.17				D	4		
241	TEHR	03	0526	0535	0532	N02	W22	.383	11489	1.6	9	-F	3	C	.09				D	6		
242	TEHR	03	0803	0815	0806	S08	E62	.896	11505	8.0	12	-F	3	C	.10				F	13		
243	ATHN	03	1136	1145	1139	S08	E15	.364	11496	4.6	9	-F	3	C	.17				D	14		
GRP40244	TEHR	03	1155	1209	1200	S05	E11	.283	11496	4.3	14	-F			.13				2	2	2	13
	TEHR	03	1152	1210	1158	S05	E10	.272	11496	4.2	18	-F	3	C	.09				D			
	ATHN	03	1157	1207	1202	S04	E11	.271	11496	4.3	10	-F	3	C	.17				D			
245	ATHN	03	1320	1327	1322	N19	E31	.535	11498	5.9	7	-F	3	C	.17				D	11		
246	HTPR	03	1650	1655	1652	S08	E07	.288	11496	4.2	5	-F		C	1652	.21	.20			6		
248	TEHR	04	0231E	0300	0248	S05	W10	.272	11496	3.4	29D	-N	1	C	.19				F	5		
249	HTPR	04	0633E	0653		S06	W02	.231	11496	4.1	20D	-F		C	0635	.31	.30			11		
250	ATHN	04	1053E	1102	1054	S06	E04	.239	11496	4.8	9D	-F	3	C	.17				D	12		
251	ATHN	04	1314	1328	1317	S05	W06	.235	11496	4.1	14	-F	3	C	.17				D	12		
253	BOUL	04	2037	2111	2040	S07	W16	.365	11496	3.7	34	-F	1	V						3		
255	ATHN	05	0609	0625	0613	N21	E24	.454	11494	7.1	16	-F	1	C	.33				D	7		
258	TEHR	05	1337	1355	1345	N04	W28	.470	11499	3.5	18	-F	3	C	.09				D	10		
GRP40259	ATHN	05	1427	1434	1429	S07	W24	.467	11496	3.8	7	-F			.24				2	2	2	9
	ATHN	05	1427	1434	1430	S07	W24	.467	11496	3.8	7	-F	2	C	.17				D			
	RAMY	05	1427	1434	1428	S06	W24	.460	11496	3.8	7	-F	2	C	.31				D			
260	ATHN	05	1507	1520	1510	N01	W29	.494	11499	3.5	13	-F	2	C	.17				D	6		
4 STATIONS REPORTING GROUP 40261. 5 STATIONS OBSERVING AND NOT REPORTING.																						
GRP40261	CATA	05	1602	1625	1602	N03	W29	.488	11499	3.5	23	-N			.34				2	2	1	9
	BOUL	05	1600E	1640D	1600	N02	W29	.490	11499	3.5	40D	-N			.34	.40			174			
	BOUL	05	1603	1610	1603	N03	W29	.488	11499	3.5	7	-N	2	V								
40261	ATHN	05	1542	1608	1546	N01	W30	.508	11499	3.4	26	*-F			.17				2	2	1	8
	ATHN	05	1542	1608	1546	N01	W29	.494	11499	3.5	26	-F	1	C	.17				D			
	ONDR	05	1550E	1608		N01	W31	.523	11499	3.3	18D	-N		V	1552			2.60		HJR		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1971 SEP	START	END	MAX. PHASE	APPROX. LAT.	CENTRAL MER. DIST.	MCMATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %			
263 BOUL	05	1858	1915	1858	N18	W02	.190	11498	5.6	17	-F 2	V							5
264 BOUL	05	1858	1935	1858	N03	W31	.517	11499	3.5	37	-F 2	V							5
266 BOUL	06	0019	0040	0021	S06	W27	.500	11496	4.0	21	-N 2	V							6
268 MANI	06	0515	0531	0520	N14	E80	.980	11501	12.2	16	-F 2		0520	.52	1.32				4
269 ZURI	06	0624E	0638	0632	S07	W34	.599	11496	3.7	140	-N	P	0632	1.62	2.00				6
GRP40270	06	0624E	0657	0638	N02	W40	.645	11499	3.3	33	-N			.53					2 2 2 7
ZURI	06	0624E	0700	0638	N02	W40	.645	11499	3.3	360	-N		0638	.55	.70				
ATHN	06	0638E	0654	0638	N01	W39	.634	11499	3.4	160	-N 2	C		.50					D
GRP40271	06	0700	0740	0705	S07	W10	.299	11492	5.5	40	-N			1.16					2 1 1 9
CATA	06	0700	0740D	0705	S07	W10	.299	11492	5.5	40D	-N	P	0705	1.16	1.30		151		
TEHR	06	0702	0728	0705	S18	W10	.456	11492	5.5	26	-F 4	C		.45					F
272 ATHN	06	0717	0727	0720	S29	E70	.972	11503	11.6	10	-F 2	C		.33					D 10
273 MONT	06	0725	0740	0732	S07	W33	.586	11496	3.8	15	-N	C	0732	1.55					H 12
274 ATHN	06	0826	0839	0829	N12	E72	.945	11501	11.8	13	-F 3	C		.33					D 12
275 ATHN	06	0838	0848	0842	S09	W35	.622	11496	3.7	10	-F 2	C		.33					D 12
276 ATHN	06	0857	0906	0859	S08	W32	.579	11496	4.0	9	-F 2	C		.17					D 12
GRP40279	06	1109	1121	1111	S09	W37	.647	11496	3.7	12	-F			.17					2 1 1 11
ATHN	06	1109	1121	1111	S09	W37	.647	11496	3.7	12	-F 2	C		.17					D
RAMY	06	1121	1145	1124	S08	W35	.617	11496	3.8	24	-F 3	C		.46					D
281 RAMY	06	1339	1432	1350	S16	E72	.966	11504	12.0	53	-F 2	C							D 11
286 BOUL	06	2252	2300	2252	S14	W39	.696	11496	4.0	8	-F 3	V							5
287 MANI	07	0008	0015	0010	S07	W39	.662	11496	4.1	7	-F 2		0010	.41	.55				6
288 MANI	07	0110	0120	0110	S06	W40	.670	11496	4.0	10	-F 2		0110	.52	.70				6
290 TACH	07	0348E	0441D	0413	N01	W51	.780	11499	3.3	53D	-N	V	0413	1.37	1.87	2.42	57		D 7
292 TEHR	07	0518	0529	0521	N17	W21	.386	11498	5.6	11	-F 4	C		.28					D 5
293 CATA	07	0535E	0615	0540	N02	W51	.778	11499	3.4	40D	-B	P	0540	.58	.94		209		T 6
294 MANI	07	0619	0634	0631	S18	W19	.522	11492	5.8	15	-F 2		0631	.41	.48				10
295 ATHN	07	0648	0657	0650	N01	W55	.821	11499	3.2	9	-F 3	C		.33					D 10
GRP40296	07	0740E	0813	0745	S07	W44	.721	11496	4.0	33	-N			1.40					2 2 2 11
MONT	07	0740E	0746	0740	S06	W41	.682	11496	4.2	6D	-N	C	0740	.72					
CATA	07	0745E	0840D	0750	S08	W46	.747	11496	3.9	55D	1N	P	0750	2.08	3.12		184		T
GRP40298	07	0821	0843	0823	S09	W42	.706	11496	4.2	22	-F			.28					2 1 1 12
TEHR	07	0821	0843	0823	S09	W42	.706	11496	4.2	22	-F 4	C		.28					D
ARCE	07	0827E	0847D		S06	W46	.740	11496	3.9	20D	-F	C	0836	.42	.60				
299 ZURI	07	0904	0908	0906	N02	W55	.820	11499	3.3	4	-F	C	0906	.53	.90				13
300 TEHR	07	1100	1109	1103	S07	W44	.721	11496	4.2	9	-N 4	C		.19					D 12
GRP40301	07	1131	1218	1137	N02	W54	.809	11499	3.4	47	-N			.71					2 2 2 12
MONT	07	1131	1218	1137	N02	W55	.820	11499	3.4	47	-N	C	1137	.72					
CAPS	07	1140E	1213D		N02	W52	.789	11499	3.6	33D	-N 3	V	1141	.70	1.20		182		
303 RAMY	07	1544E	1605		U S21	E78	.989	11506	13.5	21D	-F 1	C							D 11
306 PALE	08	0202E	0210	0202	S08	W47	.758	11496	4.6	8D	-F 2	C		.19					4
307 MANI	08	0225	0252	0228	N02	W66	.913	11499	3.2	27	-N 2		0228	.31	.62				4
308 TEHR	08	0301	0307	0303	S07	W57	.854	11496	3.9	6	-F 3	C		.09					D 6
309 MANI	08	0323E	0325	0323	N02	W66	.913	11499	3.2	2D	-F 2		0323	.21	.41				7
310 TEHR	08	0328	0346	0334	N01	W66	.914	11499	3.2	18	-N 3	C		.09					D 6
312 TEHR	08	0612	0617	0613	S07	W55	.836	11496	4.1	5	-F 3	C		.10					D 7

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE	START	END	MAX. PHASE	APPROX.		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.													
313 TEHR	08	0628	0632	0629	S06	W57	.852	11496	4.0	4	-F	3	C	.09				D	9
GRP40314	08	0652	0705	0654	S08	W59	.873	11496	3.9	13	-N							2 2 2 11	
ABST	08	0652	0712D	0654	S09	W61	.890	11496	3.7	20D	-N		P	0654	.90	1.80		64	DJ
TEHR	08	0652	0657	0654	S06	W57	.852	11496	4.0	5	-N	3	C	.09				D	
315 TEHR	08	0652	0708	0659	S14	W34	.641	11492	5.7	16	-F	3	C	.31				D	12
316 TEHR	08	0716	0722	0719	S06	W57	.852	11496	4.0	6	-N	4	C	.09				D	13
318 TEHR	08	1154	1157	1156	N02	W66	.913	11499	3.5	3	-F	3	C	.09				D	10
320 RAMY	08	1811	1835	1813	N17	E68	.920	11509	13.9	24	-F	2	C	.10				D	7
325 MANI	09	0016	0029	0017	N14	W40	.641	11498	6.0	13	-F	2		0017	.21	.27			3
326 MANI	09	0341	0356	0343	N17	W43	.683	11498	5.9	15	-F	2		0343	.21	.28			5
328 TEHR	09	0427	0445	0433	N06	W43	.678	11495	6.0	18	-N	3	C	.19				D	4
330 TEHR	09	0933	0941	0935	S08	W73	.963	11496	3.9	8	-N	3	C	.17				F	4
331 TEHR	09	0939	0952	0940	N01	E00	.109	11500	9.4	13	-N	3	C	.29				F	4
332 TEHR	09	1125	1140	1131	N07	W48	.739	11495	5.9	15	-F	3	C	.09				D	8
333 TEHR	09	1300	1400	1308	N07	W47	.727	11495	6.0	60	-N	2	C	.23				D	9
334 ATHN	09	1346	1359	1349	S11	W77	.981	11496	3.8	13	-F	2	C	.33				D	8
335 ATHN	09	1453	1500	1455	S12	W90	1.000	11496	2.9	7	-F	2	C					D	8
336 ATHN	09	1538	1548	1540	S19	W32	.656	11505	7.3	10	-F	2	C	.33				D	9
337 BOUL	09	2140	2155	2140	N14	E19	.339	11508	11.3	15	-F	3	V						3
GRP40339	10	0022	0042	0027	N17	W57	.833	11498	5.7	20	-F							2 2 2 6	
MANI	10	0018	0048	0026	N17	W57	.833	11498	5.7	30	-N	2		0026	1.13	1.96			
PALE	10	0026	0035	0027	N17	W56	.823	11498	5.8	9	-F	2	C	.72				F	
341 ATHN	10	0841E	0849	0841	S13	W53	.833	11492	6.4	8D	-F	3	C	.50				D	7
GRP40342	10	1005	1031		S04	W85	.997	11496	4.0	26	-N							2 2 0 6	
ISTA	10	1005	1025		S08	W90	1.000	11496	3.7	20	-N								
GANR	10	1017	1037		S00	W80	.985	11496	4.4	20	-N	1	V		.50				
343 ATHN	10	1214E	1230	1215	N02	W90	1.000	11499	3.8	16D	-N	3	C					D	8
344 PALE	10	2346	2355	2352	S02	W90	1.000	11496	4.2	9	-F	2	C	.36					4
GRP40345	11	0218	0247	0222	N19	W70	.932	11498	5.8	29	-F							2 1 1 6	
MANI	11	0218	0247	0222	N19	W70	.932	11498	5.8	29	-F	2		0222	.41	.87			
TEHR	11	0235E	0247	0237	N22	W70	.932	11498	5.9	12D	-F	1	C	.19				D	
347 ATHN	11	1202	1209	1204	N17	W78	.972	11498	5.7	7	-F	3	C	.17				D	10
348 ATHN	11	1224	1240	1228	S02	W90	1.000	11496	4.8	16	-N	3	C					D	11
349 ATHN	11	1251	1301	1255	N17	W78	.972	11498	5.7	10	-F	3	C	.17				D	11
350 BOUL	11	1457	1509	1500	N10	E90	1.000	11514	18.4	12	-N	3	V						8
353 TEHR	12	0358	0424	0407	N12	E88	.998	11515	18.8	26	-N	4	C	.28				D	6
354 PALE	12	0401	0406D	0403	N14	E90	1.000	11514	18.9	5D	-F	1	C	.36					6
355 ATHN	12	0549	0557	0551	N18	E90	.999	11514	19.0	8	-F	2	C					D	7
359 ATHN	13	0630	0638	0632	N01	E84	.994	11515	19.6	8	-F	3	C					D	8
GRP40360	13	0631	0641	0634	S15	E87	1.000	11516	19.8	10	-F				.19			2 2 1 8	
ATHN	13	0630	0639	0633	S15	E88	1.000	11516	19.9	9	-F	3	C					D	
TEHR	13	0631	0643	0635	S15	E85	.999	11516	19.6	12	-N	4	C	.19				D	
361 ATHN	13	0655	0703D	0657	N16	E78	.972	11515	19.1	8D	-N	3	C	.17				D	10
362 ATHN	13	0655	0701	0657	S09	E88	1.000	11516	19.9	6	-F	3	C					D	10
365 ATHN	13	0754	0806	0755	N10	E88	.998	11515	19.9	12	-N	3	C					D	8

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1971 SEP	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
367 ZURI	13	0920	0929	0925	S15	E77	.983 11516	19.2	9	1N	C	0925	.65				10
369 ATHN	13	1016	1024	1018	N14	E69	.927 11514	18.6	8	-N	3 C		.33				D 6
371 ATHN	13	1027	1038	1030	S18	W03	.429 11506	13.2	11	-F	3 C		.33				D 6
GRP40372	13	1127	1138	1132	S11	E83	.996 11516	19.7	11	-F			.09				2 2 1 7
TEHR	13	1124	1137	1131	S12	E80	.990 11516	19.5	13	-F	3 C		.09				D
ATHN	13	1130	1138	1133	S10	E85	.998 11516	19.9	8	-F	3 C						D
GRP40374	13	1212	1240	1217	N17	E37	.607 11511	16.3	28	-F			.21				2 2 2 8
ATHN	13	1210	1238	1214	N18	E37	.610 11511	16.3	28	-F	3 C		.33				D
TEHR	13	1213	1241	1220	N16	E37	.605 11511	16.3	28	-F	2 C		.09				D
375 ATHN	13	1232	1242	1234	S08	W46	.747 11510	10.1	10	-F	3 C		.17				D 9
377 ATHN	13	1330	1337	1332	N03	E78	.977 11515	19.4	7	-F	3 C						D 7
379 PALE	13	1648	1656	1651	S17	W07	.426 11506	13.2	8	-F	2 C		.36				F 5
380 BOUL	13	1700	1715	1700	N01	E75	.966 11515	19.3	15	-F	3 V						4
381 RAMY	13	1722E	1733	1722	N13	E72	.945 11515	19.1	11D	-F	3 C		.31				D 5
386 MANI	14	0432	0445	0437	S15	W15	.450 11506	13.1	13	-N	2	0437	.41	.46			3
387 MANI	14	0443E	0445	0443	S09	E75	.972 11516	19.8	2D	-B	2	0443	.52	1.25			3
390 ATHN	14	0808	0823	0810	S13	E69	.948 11516	19.5	15	-F	3 C		.17				D 11
391 ATHN	14	0816	0820	0817	N24	W41	.678 11513	11.3	4	-F	3 C		.17				D 11
392 ATHN	14	0850	0907	0853	S08	E69	.942 11516	19.5	17	-F	3 C		.33				D 10
GRP40393	14	0953	0958	0955	S09	E66	.925 11516	19.4	5	-F			.30				2 2 2 11
TEHR	14	0953	0958	0955	S08	E65	.918 11516	19.3	5	-N	2 C		.19				D
HTPR	14	0953	0958	0955	S10	E66	.927 11516	19.4	5	-F	C	0955	.41				
GRP40395	14	1500	1512	1505	S15	E64	.922 11516	19.4	12	-F			.32				2 2 2 9
HTPR	14	1457	1512	1504	S15	E63	.915 11516	19.3	15	-F	C	1504	.31	.60			
ATHN	14	1502	1512D	1505	S15	E64	.922 11516	19.4	10D	-N	1 C		.33				D
400 TEHR	15	0815	0827	0817	S17	E60	.899 11516	19.8	12	-F	1 C		.09				D 7
401 CATA	15	0850E	0855D	0850	S16	E55	.859 11516	19.5	5D	-N	P	0850	.63	1.28	166		Z 8
402 ATHN	15	0905	0912	0909	S17	W28	.599 11506	13.3	7	-F	2 C		.17				D 7
404 ATHN	15	1219	1228	1223	S15	E51	.821 11516	19.3	9	-F	2 C		.17				D 5
406 BOUL	15	2150	2215	2156	N13	E03	.113 11511	16.1	25	-F	2 V						3
408 TEHR	16	0344E	0350	0346	S10	E52	.815 11516	20.1	6D	-F	1 C		.19				D 5
409 TEHR	16	0423	0431	0427	S10	E52	.815 11516	20.1	8	-F	1 C		.19				D 4
411 TEHR	16	0613	0639	0625	N16	W01	.154 11511	16.2	26	-F	2 C		.19				D 5
412 TEHR	16	0646	0709	0656	N01	W18	.325 11521	14.9	23	-F	3 C		.09				D 4
GRP40415	16	1018	1023	1022	N03	E38	.617 11515	19.3	5	-N							2 2 0 7
ISTA	16	1015	1020		N03	E38	.617 11515	19.3	5	-N							D
CANR	16	1020	1026	1022	N03	E38	.617 11515	19.3	6	-N	3 V	1022		.30			
416 ATHN	16	1044	1050	1047	N04	E41	.655 11515	19.5	6	-F	2 C		.17				D 9
417 ATHN	16	1201	1208	1203	N03	E36	.589 11515	19.2	7	-F	2 C		.17				D 8
418 TEHR	16	1210	1224	1215	N13	W04	.122 11511	16.2	14	-F	3 C		.09				DS 7
419 ATHN	16	1214	1222	1216	N05	E38	.613 11515	19.4	8	-F	2 C		.33				D 7
422 LOCK	16	1743	1754	1746	N03	E35	.575 11515	19.4	11	-F	C						4
GRP40431	17	0701	0721	0703	N05	W90	1.000 11520	10.5	20	-N			.09				2 1 1 11
ATHN	17	0701E	0721	0703	N05	W90	1.000 11520	10.5	20D	-N	3 C						D
TEHR	17	0721	0731	0723	N12	W88	.998 11520	10.7	10	-N	3 C		.09				D

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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																		
	SEP																		
GRP40432	17	0710	0720	0712	S12	E26	.533	11516	19.2	10	-F			.32			2 2 2 10		
TEHR	17	0709	0719	0711	S12	E26	.533	11516	19.2	10	-F	3	C	.23			F		
HTPR	17	0710	0720	0712	S12	E25	.521	11516	19.2	10	-F		C	.41	.40				
433	ISTA	17	0730	0739		S15	W58	.880	11506	13.0	9	-F					B 10		
434	CATA	17	0815E	0820D	0815	S16	E24	.547	11516	19.1	5D	-N	P	0815	.69	.84	158	12	
GRP40435	17	1027	1038	1032	N13	E13	.243	11514	18.4	11	-F			.18			2 2 2 8		
TEHR	17	1027	1039	1030	N13	E13	.243	11514	18.4	12	-F	3	C	.19			D		
ATHN	17	1032E	1037	1033	N12	E12	.221	11514	18.3	5D	-N	2	C	.17			D		
436	TEHR	17	1053	1104	1056	N03	E23	.395	11515	19.2	11	-F	3	C	.19			D 8	
442	LOCK	17	1810	1830	1817	N04	E18	.312	11515	19.1	20	-F		C				4	
444	MANI	18	0025	0231	0037	S16	W69	.952	11506	12.8	126	-N	2		0037	.52	1.12		3
445	MANI	18	0236	0248	0239	N18	E18	.352	11515	19.5	12	-F	2		0239	.21	.22		4
446	TEHR	18	0336	0345	0339	S17	E18	.500	11516	19.5	9	-F	3	C	.19			D	6
451	TEHR	18	0706	0710	0707	S16	E13	.446	11516	19.3	4	-N	3	C	.19			D	7
454	TEHR	18	0903	0915	0908	S17	W72	.966	11506	13.0	12	-N	3	C	.19			D	10
455	TEHR	18	1024	1045	1032	S17	W73	.971	11506	13.0	21	-N	3	C	.19			D	7
458	TEHR	18	1235	1242	1238	S14	E09	.390	11516	19.2	7	-F	3	C	.09			HD	8
459	ATHN	18	1257E	1257D	1257	S18	W72	.967	11506	13.1		-N	2	C	.17			D	7
GRP40461	18	1334	1359	1343	S06	E08	.265	11516	19.2	25	-F				.44			2 2 2 10	
HTPR	18	1330	1358	1343	S03	E08	.224	11516	19.2	28	-F			1343	.41	.40			
RAMY	18	1338	1400	1342	S09	E08	.309	11516	19.2	22	-F	3	C	.46			D		
464	LOCK	18	1536	1550	1541	S15	W73	.969	11506	13.2	14	-F		C				10	
474	MANI	19	0106E	0130	0110	S11	E00	.311	11516	19.0	24D	-N	2		0110	.52	.54		3
477	TACH	19	0503	0513	0506	S17	W85	.999	11506	12.8	10	-B		C	0506	.52		80	DT 4
478	ABST	19	0535E	0546	0539	S16	W89	1.000	11506	12.6	11D	1N	P	0539	.81		74	EJ 7	
GRP40479	19	0538	0550	0542	S16	E00	.393	11516	19.2	12	-N				.26			2 2 2 7	
TEHR	19	0538	0550	0542	S16	E00	.393	11516	19.2	12	-N	2	C	.19			D		
ATHN	19	0538	0549	0542	S15	E00	.377	11516	19.2	11	-N	2	C	.33			D		
483	CAPS	19	0710	0725		N12	W12	.221	11514	18.4	15	-N	3	V	0720	.60	.60	170	9
484	ABST	19	0725	0732	0727	S15	W89	1.000	11506	12.6	7	1F		C	0727	.90		68	DJ 9
GRP40485	19	0727	0740	0729	S11	E06	.327	11516	19.8	13	-F				.59			2 2 2 10	
ABST	19	0726	0740	0729	S11	E05	.322	11516	19.7	14	-F		C	0729	.99	1.00	68	EJ	
TEHR	19	0728	0740	0729	S10	E06	.312	11516	19.8	12	-F	2	C	.19			D		
486	ATHN	19	0739	0747	0741	N13	W13	.243	11514	18.3	8	-F	2	C	.17			D	10
GRP40487	19	0819	0829	0822	N13	W15	.274	11514	18.2	10	-F				.26			2 2 2 10	
TEHR	19	0817	0829	0820	N13	W15	.274	11514	18.2	12	-N	3	C	.19			HF		
ATHN	19	0821	0828	0823	N13	W14	.258	11514	18.3	7	-F	2	C	.33			D		
GRP40488	19	0842	0850	0845	S17	W90	1.001	11506	12.6	8	-F				.29			2 2 1 9	
ATHN	19	0842	0849	0844	S16	W90	1.001	11506	12.6	7	-N	2	C				D		
CATA	19	0845E	0850	0845	S18	W90	1.001	11506	12.6	5D	-F		P	0845	.29		144		
GRP40489	19	0905	0941	0915	S10	W06	.312	11516	18.9	36	-F				1.19			2 2 2 10	
ZURI	19	0900	0950	0912	S09	W07	.302	11516	18.9	50	1F		C	0912	2.10	2.20			
TEHR	19	0910	0931	0917	S11	W04	.318	11516	19.1	21	-F	2	C	.28			D		
GRP40490	19	0927	0941	0931	N03	W03	.089	11515	19.2	14	-F				.26			2 2 2 10	
ATHN	19	0926	0944	0931	N02	W02	.096	11515	19.2	18	-F	2	C	.33			D		
TEHR	19	0927	0938	0931	N03	W03	.089	11515	19.2	11	-F	3	C	.19			D		
491	TEHR	19	1000	1023	1004	N05	E02	.051	11515	19.6	23	-F	3	C	.28			D	7
494	ATHN	19	1314	1321	1316	S02	W05	.181	11516	19.2	7	-F	2	C	.17			D	10
495	HUAN	19	1342	1356		S17	W90	1.001	11506	12.8	14	-F	1	P	1350	.12			9

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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. %
497 HUAN	1971 SEP 19	1349	1404	1353	N12	W07	.147	11515	19.1	15	-F	2 C	1353	.21	.22		D	9
GRP40499	19	1533	1542	1534	S13	E04	.351	11516	19.9	9	-F			.33				2 2 1 9
ATHN	19	1530	1541	1531	S13	E03	.348	11516	19.9	11	-F	2 C		.33			D	
CANR	19	1535	1542	1536	S12	E05	.338	11516	20.0	7	-N	2 V	1536		.30			
503 LOCK	19	1826	1836	1830	S16	W79	.989	11506	13.8	10	-F	C						4
506 LOCK	20	0020	0030	0024	N11	W37	.598	11511	17.2	10	-F	C						5
507 MANI	20	0137E	0145	0137	S13	W13	.405	11516	19.1	80	-N	2	0137	.31	.34			4
509 MANI	20	0346	0351	0349	N12	W26	.440	11514	18.2	5	-N	2	0349	.31	.34			6
510 TEHR	20	0356	0413	0358	N21	E04	.249	11515	20.5	17	-F	1 C		.09			D	6
511 TEHR	20	0440	0500	0456	N04	W48	.741	11511	16.6	20	-F	3 C		.09			D	6
512 ATHN	20	0549	0557	0551	N11	W26	.438	11514	18.3	8	-F	2 C		.33			D	7
516 ZURI	20	0912	0915	0912	N14	W27	.460	11514	18.4	3	-F	C	0912	1.34	1.50			12
517 ZURI	20	0924	0930	0928	N13	W27	.457	11514	18.4	6	-F	C	0928	1.01	1.10			11
519 CATA	20	1025	1055	1030	S18	W90	1.001	11506	13.7	30	1F	C	1030	.98		123		10
521 ZURI	20	1340	1354	1344	N13	W28	.472	11514	18.5	14	-F	C	1344	.89	1.00			12
522 ATHN	20	1356	1403	1358	N10	E73	.952	11528	26.1	7	-N	2 C		.33			D	10
524 HUAN	20	1622	1625		N09	E73	.952	11528	26.2	3	-F	2 P	1624	.12			D	6
532 PALE	20	2235	2242	2236	N13	W37	.600	11514	18.2	7	-N	2 C		.45				5
533 PALE	20	2255	2303	2258	N13	W37	.600	11514	18.2	8	-F	2 C		.45			F	4
534 LOCK	20	2335	2355	2342	N11	W37	.598	11514	18.2	20	-F	C						4
535 LOCK	20	2359	0008	0002	N11	W37	.598	11514	18.2	9	-F	C						4
536 PALE	21	0014	0018D	0016	N13	W39	.627	11514	18.1	40	-N	2 C		.36			F	5
537 MANI	21	0039	0053	0040	N13	W36	.586	11514	18.3	14	-F	2	0040	.31	.39			5
543 ATHN	21	0638E	0652	0641	N13	W63	.884	11511	16.6	140	-N	3 C		.17			D	9
544 ZURI	21	0654E	0708	0704	N13	W59	.851	11511	16.9	140	-F	P	0704	.57	1.00			11
547 ZURI	21	0833	0855	0845	N12	W60	.860	11511	16.9	22	-F	C	0845	.86	1.60			12
549 ZURI	21	1001	1019	1007	N12	W60	.860	11511	16.9	18	-F	C	1007	1.20	2.20			13
550 TEHR	21	1040	1052	1041	S13	W22	.495	11516	19.8	12	-N	3 C		.09			F	12
551 MONT	21	1141	1151	1142	N03	W33	.546	11515	19.0	10	-N	C	1142	1.86			H	12
552 TEHR	21	1148	1154	1150	S10	W20	.442	11516	20.0	6	-F	3 C		.09			D	12
555 ZURI	21	1505	1513	1505	S11	W30	.572	11516	19.4	8	-B	C	1505	.93	1.20			7
561 HUAN	21	1739	1743	1741	S16	E63	.917	11531	26.5	4	-F	2 C	1741	.12	.28		D	5
562 HUAN	21	1748	1800D	1752U	S16	E63	.917	11531	26.5	12D	-N	2 C	1752	.18	.40		E	5
569 MANI	21	2329E	2350	2329	N12	W50	.760	11514	18.2	210	-F	2	2329	.21	.32			3
571 MANI	22	0552E	0622	0557	N12	W54	.803	11514	18.2	300	-N	2	0557	.31	.51			4
575 ISTA	22	0830	0838		N12	W70	.934	11511	17.1	8	-F							11
GRP40577	22	0945	1018	0951	N11	W61	.868	11514	17.8	33	-N			1.22				2 2 2 13
CATA	22	0940E	0955	0950	N10	W60	.860	11514	17.9	15D	-N	C	0950	.75	1.51	172	T	
ZURI	22	0949	1040	0952	N12	W61	.868	11514	17.8	51	1N	C	0952	1.68	3.30			
578 ZURI	22	1013	1025	1014	N18	E55	.815	11528	26.6	12	-F	C	1014	.53	.90			12
582 HUAN	22	1259	1304	1301	N17	E52	.784	11528	26.4	5	-F	2 C	1301	.12	.19		D	13
588 CULG	23	0125	0155	0137	S15	E90	1.001	11534	29.8	30	1N	C	0137	1.65				4

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OBSERVATORY	DATE 1971 SEP	OBSERVED UT			LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
		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. %		
591	TEHR	23	0323	0346	0333	N11	W86	.996	11511	16.7	23	-N	3	C	.28				F	5
592	CATA	23	0625	0635	0625	N12	W65	.900	11514	18.4	10	-N		C	0625	.23	.55	158		9
593	MANI	23	0632	0659	0638	S02	W59	.862	11516	18.8	27	-F	2		0638	.31	.35			10
594	ARCE	23	0825E	0845D		N10	W71	.941	11514	18.0	20D	-N		C	0836	.13				11
595	TEHR	23	0848E	0857		U N11	W72	.946	11514	18.0	9D	-F	4	C					D	12
596	ARCE	23	0855E	0950D		N10	W90	1.000	11511	16.6	55D	-N		C	0935	.30			K	12
597	CATA	23	1145	1210	1150	N10	W90	1.000	11511	16.7	25	-F		C	1150	.17		135		11
598	TEHR	23	1220	1229	1222	N12	W74	.956	11514	18.0	9	-N	3	C					D	12
601	LOCK	23	1703	1720	1711	S04	E81	.989	11534	29.8	17	-F		C						7
603	LOCK	23	2043	2052	2045	N13	W83	.989	11514	17.6	9	-F		C						4
604	LOCK	23	2224	2236	2228	S03	E81	.989	11534	30.0	12	-F		C						5
605	MANI	24	0137E	0155	0137	S06	W18	.377	11524	22.7	18D	-N	2		0137	.10	.11			4
607	TEHR	24	0417	0429	0421	S14	E27	.560	11531	26.2	12	-F	3	C		.09			D	4
610	CANR	24	0824	0843		S08	E88	1.000	11534	1.0	19	-F	2	V			.30			12
GRP40614	TEHR	24	1234	1249	1236	S06	E85	.997	11534	30.9	15	-N				.19			2 2 1	9
	TEHR	24	1232	1248	1236	S06	E84	.996	11534	30.8	16	-N	3	C		.19				
	CANR	24	1236	1250		S06	E85	.997	11534	30.9	14	-N	2	V			.40			
GRP40615	TEHR	24	1258	1312	1300	N13	W86	.995	11514	18.1	14	-F		C		.13			2 2 1	10
	RAMY	24	1258	1308	1300	N12	W87	.997	11514	18.0	10	-F	2	C		.13			F	
		24	1258	1316	1300	N13	W84	.992	11514	18.2	18	-N	1	C					D	
616	CANR	24	1420	1420D		N13	W89	.999	11514	17.9		-N	2	V			.80			9
623	TEHR	25	0948	0957	0953	S09	E72	.959	11534	30.8	9	-F	3	C		.19			D	12
624	TEHR	25	1029	1038	1033	S08	E72	.958	11534	30.8	9	-F	3	C		.09			D	8
GRP40625	ATHN	25	1208	1218	1214	S11	E08	.336	11531	26.1	10	-F				.13			2 2 2	9
	ATHN	25	1207E	1219	1214	S10	E07	.315	11531	26.0	12D	-F	3	C		.17			D	
	TEHR	25	1208	1217	1214	S11	E08	.336	11531	26.1	9	-F	3	C		.09			D	
626	ATHN	25	1257	1309	1302	N10	E02	.063	11528	25.7	12	-F	3	C		.33			D	12
GRP40627	ATHN	25	1418	1459	1441	S08	E69	.942	11534	30.8	41	-N				.24			2 2 2	8
	ATHN	25	1418	1455	1435	S08	E69	.942	11534	30.8	37	-N	3	C		.33			D	
	ATHN	25	1418	1455	1421	S08	E69	.942	11534	30.8	37	-F	3	C		.17				
	HUAN	25	1440E	1503	1447U	S08	E69	.942	11534	30.8	23D	-N	2	P	1447	.15			D	
628	ATHN	25	1433	1448	1435	S12	E04	.332	11531	25.9	15	-F	2	C		.33				8
629	ATHN	25	1433	1448	1441	S12	E04	.332	11531	25.9	15	-F	2	C		.50			D	8
630	HUAN	25	1452	1503	1458U	S12	E05	.336	11531	26.0	11	-F	2	P	1458	.25	.26		E	7
631	ATHN	25	1547	1551D	1548	S13	E62	.904	11534	30.3	4D	-N	2	C		.33			D	6
633	HUAN	25	1717E	1731		S12	E04	.332	11531	26.0	14D	-N	2	P	1718	.56	.58		E	5
634	HUAN	25	1744E	1758		S09	E15	.373	11530	26.9	14D	-F	2	P	1747	.21	.22		D	5
641	ATHN	26	0555	0607	0557	N12	W03	.102	11528	26.0	12	-F	3	C		.17			D	6
643	ATHN	26	0729	0737	0732	S08	W47	.757	11524	22.8	8	-F	3	C		.17			D	8
GRP40646	TEHR	26	1007	1020	1011	N07	W23	.388	11525	24.7	13	-F				.21			2 2 2	7
	TEHR	26	1006	1022	1012	N08	W23	.388	11525	24.7	16	-F	3	C		.09			F	
	ATHN	26	1007	1017	1010	N05	W22	.374	11525	24.8	10	-F	3	C		.33			D	
649	ATHN	26	1350	1359	1353	S13	E49	.794	11534	30.3	9	-F	3	C		.33			D	6
650	ATHN	26	1535	1552	1538	S11	E53	.826	11534	30.6	17	-N	2	C		.33			D	7
651	PALE	26	1929E	1935	1931	N07	W27	.451	11525	24.8	6D	-F	2	C		.36			F	4

SOLAR FLARES Unconfirmed

SEPTEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS				
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %			
654 PALE	27	0216	0238	0223	S09	E48	.771	11534	30.7	22	-F	3	C	.55				F	4		
656 ATHN	27	0622	0637	0624	S14	W16	.442	11531	26.1	15	-F	3	C	.17				D	5		
GRP40657	27	0741	0756	0743	S11	E44	.735	11534	30.6	15	-F			.26				2	2	2	8
TEHR	27	0741	0801	0742	S10	E45	.742	11534	30.7	20	-F	3	C	.19				D			
ATHN	27	0741	0750	0744	S12	E43	.728	11534	30.5	9	-F	3	C	.33				D			
658 TEHR	27	0937	0945	0938	S13	W21	.482	11531	25.8	8	-F	4	C	.09				D	8		
659 TEHR	27	1108	1123	1110	S12	E10	.364	11538	28.2	15	-F	4	C	.09				FH	7		
661 ATHN	27	1158	1208	1201	S09	E75	.972	11535	3.1	10	-F	3	C	.17				D	7		
664 HUAN	27	1538	1558	1547	S05	E55	.831	11534	1.8	20	-N	2	C	1547	.30	.51		E	6		
665 HUAN	27	1544	1554	1548	S12	W24	.507	11531	25.9	10	-F	2	C	1548	.18	.21		D	6		
666 HUAN	27	1603	1648	1613	S05	E54	.821	11534	1.7	45	-N	2	P	1613	.21	.35		E	4		
667 PALE	27	1648	1703	1650	S06	W65	.914	11524	22.8	15	-N	1	C		.36				6		
668 HUAN	27	1657	1706	1700	S03	E47	.743	11534	1.2	9	-N	2	C	1700	.23	.34		D	6		
669 HUAN	27	1720	1724	1723	S04	E47	.745	11534	1.2	40	-N	2	P	1723	.35	.53		E	5		
670 PALE	27	1735	1744	1737	S04	E54	.819	11534	1.8	9	-F	2	C		.19				5		
671 HUAN	27	1744	1746		S13	W25	.527	11531	25.9	20	-N	2	P	1744	.28	.33		D	6		
674 HUAN	27	1943	1947	1945	S10	E39	.674	11534	30.7	4	-N	2	C	1945	.38	.51		E	5		
681 ATHN	28	0529	0534	0530	S05	E47	.748	11534	1.8	5	-F	2	C		.17			D	5		
683 TEHR	28	0548	0604	0552	S05	E44	.713	11534	1.5	16	-N	4	C		.19			D	5		
GRP40684	28	0733	0748	0737	N11	E83	.990	11537	4.5	15	-F			.19				2	2	2	8
HTPR	28	0733	0742	0737	N10	E82	.988	11537	4.5	9	-F		C	0737	.21						
ATHN	28	0733	0753	0737	N11	E83	.990	11537	4.5	20	-N	2	C		.17			D			
GRP40686	28	0856	0908	0900	S05	E45	.725	11534	1.7	12	-F			.31				2	2	2	7
TEHR	28	0853	0906	0900	S05	E45	.725	11534	1.7	13	-N	4	C	.28				F			
ATHN	28	0859	0910	0900	S04	E44	.710	11534	1.7	11	-F	2	C	.33				D			
688 RAMY	28	1242	1250	1245	N15	E85	.993	11537	4.9	8	-F	2	C					D	6		
689 RAMY	28	1303	1308	1304	N17	E84	.991	11537	4.8	5	-F	2	C					D	7		
690 HUAN	28	1339	1350	1343	S05	E44	.713	11534	1.9	11	-N	2	C	1343	.10	.14		D	8		
691 HUAN	28	1352	1400	1356	S05	E42	.689	11534	1.7	8	-N	2	C	1356	.23	.30		E	7		
GRP40692	28	1411	1418	1414	N11	E78	.974	11537	4.4	7	-F			.17				2	2	1	8
RAMY	28	1410	1417	1412	N11	E78	.974	11537	4.4	7	-N	2	C					D			
ATHN	28	1411	1418	1415	N11	E77	.970	11537	4.4	7	-F	2	C		.17			D			
693 HUAN	28	1421	1425	1423	S15	W34	.645	11531	26.0	4	-F	2	C	1423	.21	.27		D	5		
695 HUAN	28	1514	1527	1517	S05	E27	.492	11534	30.7	13	-N	2	C	1517	.18	.20		D	6		
GRP40697	28	1720	1731	1721	S06	E38	.643	11534	1.6	11	-F			.46				2	1	1	6
RAMY	28	1720E	1731	1721	S06	E38	.643	11534	1.6	110	-F	2	C	.46				D			
BOUL	28	1720	1751	1735	S05	E40	.665	11534	1.7	31	-F	3	V								
707 LOCK	29	1830	1850	1835	N13	W48	.739	11528	26.2	20	-F								5		
708 PALE	29	1846	1851	1848	S05	E23	.436	11534	1.5	5	-F	3	C		.36			F	5		
709 RAMY	29	1855	1900	1856	S08	E25	.485	11534	1.7	5	-N	4	C		.56			D	5		
710 PALE	29	2018E	2022	2018	N13	W49	.750	11528	26.2	40	-F	2	C		.72				5		
714 MANI	29	2312E	2331	2312	S08	E22	.446	11534	1.6	190	-F	2		2312	.41	.46			4		
715 MANI	30	0023E	0046	0024	S17	W53	.844	11531	26.0	230	-F	2		0024	.83	1.45			4		
716 MANI	30	0023E	0049	0025	S04	E22	.414	11534	1.7	260	-F	2		0025	.52	.57			4		
717 MANI	30	0102	0113	0104	S18	W53	.847	11531	26.1	11	-F	2		0104	.52	.92			4		

SOLAR FLARES Unconfirmed SEPTEMBER 1971

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %				
720 TEHR	30	0356	0406	0358	N12	W53	.793	11528	26.2	10	-N	5	C	.09				FR	5		
721 TEHR	30	0404	0417	0406	S13	W56	.857	11531	26.0	13	-N	5	C	.09				F	5		
722 TEHR	30	0422	0438	0428	S08	E12	.326	11534	1.1	16	-F	5	C	.19				F	5		
723 TEHR	30	0519	0535	0524	N12	W56	.823	11528	26.0	16	-N	5	C	.09				DR	6		
725 ATHN	30	0607	0617	0610	S17	W55	.860	11531	26.1	10	-F	2	C	.33				D	5		
726 TEHR	30	0654	0711	0656	N12	W57	.833	11528	26.0	17	-F	5	C	.09				D	8		
GRP40728	30	0916	0922	0919	N13	W57	.833	11528	26.1	6	-F		C	.37				2	2	2	10
HTPR	30	0916	0922	0919	N13	W55	.814	11528	26.3	5	-F		C	.41	.70						
ATHN	30	0919E	0920D	0919	N12	W59	.851	11528	26.0	10	-N	2	C	.33				D			
729 HTPR	30	0935	0938	0936	S06	E15	.337	11534	1.5	3	-F		C	.21	.20					9	
730 CATA	30	1010E	1020D	1010	N14	W58	.842	11528	26.1	10D	-N		P	.40	.79		151			9	
731 RAMY	30	1120	1133	1122	N13	W57	.833	11528	26.2	13	-F	4	C	.28				DH		7	
734 HUAN	30	1500	1530D	1512U	S06	E12	.301	11534	1.5	30D	-F	2	P	.18	.18			D		4	

"Remarks":

- | | |
|---|---|
| <p>A = Eruptive prominence, base at >90°.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No spots visible in the neighborhood.
 H = Flare with high velocity dark surge.
 I = Very extensive active region.
 J = Plage with flare shows marked intensity variations.
 K = Several intensity maxima.
 L = Filaments show effects of sudden activation.
 M = White-light flare.</p> | <p>N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H or K.
 P = Flare shows helium D₃ in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in Hα line.
 S = Brightening follows disappearance of filament (same position).
 T = Region active all day.
 U = Close and somewhat parallel bright filaments (or Y shape).
 V = Occurrence of an explosive phase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide Hα emission.
 Y = Onset of a system of loop-type prominences.
 Z = Major sunspot umbra covered by flare.</p> |
|---|---|

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
710901	0.61	24.0	710914	16.73	24.0	710923	6.44	24.0
710905	150.06	24.0	710915	30.37	23.4	710924	44.86	24.0
710906	65.65	24.0	710916	7.23	24.0	710925	2.65	22.1
710907	35.13	24.0	710917	112.54	23.9	710926	5.49	24.0
710908	7.04	24.0	710918	45.76	23.7	710927	14.15	24.0
710910	1.43	24.0	710919	11.39	23.9	710928	14.68	24.0
710911	1.43	24.0	710921	40.47	24.0	710929	4.86	24.0
710913	10.35	24.0	710922	79.52	24.0	710930	5.28	24.0

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