

# SOLAR FLARES

Original Reports and Statistical Summaries

OCTOBER 1967

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
	1967 OCT																		
	CATA	01	0650	0715	0700	S16	W53	.840	8993	27.3	25	-N		0700	.18	.32		158	
	CATA	01	0655	0705	0655	S22	E69	.958	9006	6.5	10	-F		0655	.15			138	
	CATA	01	0715	0740	0720	N13	E02	.114	8999	1.5	25	-F		0720	.11	.12		138	
GRP	9222	01	0719	0842	0740	N14	W21	.373	8998	29.7	83	-N			.78				2 2 1
	ISTA	01	0717	0722		N15	W19	.348	8998	29.9	5	-F							
	CATA	01	0720	0843	0740	N14	W21	.373	8998	29.7	83	-N		0740	.78	.85		178	
	ISTA	01	0740	0805		N14	W22	.388	8998	29.7	25	-N							
	ISTA	01	0740	0840		N13	W20	.353	8998	29.8	60	-N							
	CATA	01	0720	0815	0725	N11	W63	.885	8988	26.6	55	-N		0725	.11			184	
GRP	9224	01	0720	0735	0726	S20	E73	.973	9006	6.8	15	-N			.83				4 4 2
	BUCA	01	0715E	0735		S19	E74	.975	9006	6.9	20D	-N	C	0724	.55				
	CATA	01	0720	0740	0725	S22	E69	.958	9006	6.5	20	-N		0725	.20			174	
	ISTA	01	0720	0730		S20	E72	.969	9006	6.7	10	-F							
	CRON	01	0723	0733	0726	S20	E75	.979	9006	6.9	10	1N	C		1.10	3.30			
	CATA	01	0820	0830	0820	N12	W65	.900	8988	26.5	10	-N		0820	.07			166	
	CATA	01	0830	0855	0835	N21	W63	.886	8988	26.6	25	-N		0835	.21			166	
GRP	9227	01	0840	0921	0846	N23	E20	.426	9002	2.9	41	1N			3.80				11 10 9
	MEUD	01	0836	0915		N22	E18	.393	9002	2.7	39	1N	C	0847	2.37	2.50			F
	CANA	01	0838	0924	0841	N23	E21	.437	9002	2.9	46	1N	C		2.00	2.20			E
	CRON	01	0838	0930	0845	N24	E23	.470	9002	3.1	52	2N	C		4.40	5.30			E
	ISTA	01	0840	1000		N20	E23	.438	9002	3.1	80	2B							
	KHAR	01	0840E	0900D		N23	E21	.437	9002	2.9	20D	2N	P	0848	5.00	5.60	2.10		EHLOW
	BUCA	01	0840	1021		N23	E20	.426	9002	2.9	101	1N	C	0852	3.88	4.20			L
	ATRN	01	0841	0917	0845	N23	E23	.461	9002	3.1	36	2B	2	0845	4.29	5.20			
	CATA	01	0843	1025	0847	N23	E20	.426	9002	2.9	102	1N		0847	4.62	5.10		195	
	KIEV	01	0846	0903	0850	N22	E21	.429	9002	2.9	17	1F	C	0850	2.58	3.00		60	DI
	CAPS	01	0850E	0934		N23	E17	.392	9002	2.6	44D	2N	2	0852	5.10	5.60		215	H
	MONT	01	0913E	0935		N23	E19	.414	9002	2.8	22D	1B	C	0913	2.58				
	CATA	01	0905	0930	0920	N11	W66	.908	8988	26.4	25	-N		0920	.11			151	
GRP	9229	01	0910	0943	0920	N15	W23	.407	8998	29.7	33	-N			.50				2 2 2
	CATA	01	0905	0955	0920	N14	W22	.388	8998	29.7	50	-F		0920	.33	.36		129	
	SALO	01	0915	0930		N15	W23	.407	8998	29.7	15	-B	V	0920	.66	.70	1.60		
GRP	9230	01	0922	0935	0931	N10	E04	.089	9002	1.7	13	-B			.95				2 2 2
	SALO	01	0920	0935		N08	E02	.041	9002	1.5	15	-B	V	0925	.50	.50	1.50		
	CRON	01	0924	0935D	0931	N11	E06	.127	9002	1.8	11D	-N	C		1.40	1.40			E
GRP	9231	01	0931	1040	0952	N12	E05	.126	8999	1.8	69	1N			3.30				7 7 5
	BUCA	01	0924	0953D		N13	E05	.139	8999	1.8	29D	1N	P	0953	2.88	2.90			L
	CANA	01	0930	1028	0955	N12	E04	.115	8999	1.7	58	1N	C		2.70	2.70			EHIL
	ISTA	01	0930	1020		N13	E06	.150	8999	1.8	50	1B							
	MONT	01	0935	1055	0955	N12	E05	.126	8999	1.8	80	2N	C	0955	4.13				
	CATA	01	0935	1100	0945	N12	E05	.126	8999	1.8	85	-N		0945	1.79	1.82		162	
	CAPS	01	0939E	0946D		N13	E05	.139	8999	1.8	7D	2F	1	0944	5.00	5.50		165	CHF
	ONDR	01	0954E	1035		N12	E03	.105	8999	1.6	41D	2F	V	0956			1.90		FH
GRP	9231	01	0953	1025	1009	N13	E04	.129	8999	1.7	32	1N			3.26				2 2 2
	ABSI	01	0953	1024	1009	N13	E05	.139	8999	1.8	31	1N	P	1009	4.04	3.90			EFJK
	MEUD	01	1004E	1025D		N12	E03	.105	8999	1.6	21D	1N	C	1004	2.48	2.40			F
GRP	9232	01	1015	1029		N11	E03	.091	8999	1.7	14	-B			.90				3 3 2
	ISTA	01	0930	1020		N13	E02	.114	8999	1.5	50	1B							
	SALO	01	1015	1025		N07	E03	.052	8999	1.7	10	-B	V	1020	.50	.50	1.60		
	CAPS	01	1022E	1043D		N13	E05	.139	8999	1.8	21D	-N	2	1025	1.30	1.40		165	
GRP	9233	01	1031	1047	1035	N13	W66	.908	8988	26.5	16	-N			.65				4 4 4
	ABSI	01	1030	1044	1032	N12	W68	.922	8988	26.3	14	1N	P	1032	1.17	2.70			D
	CATA	01	1030	1105	1040	N10	W65	.901	8988	26.6	35	-N		1040	.29			162	
	MONT	01	1031	1040	1035	N10	W65	.901	8988	26.6	9	-N	C	1035	.72				
	CANA	01	1031	1040	1032	N21	W64	.894	8988	26.6	9	-F	C		.40	.80			
	MONT	01	1045	1053D		S14	E32	.615	9004	3.8	8D	-N	C	1047	.41				

SOLAR FLARES  
OCTOBER 1967

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	
1967 OCT																
GRP 9239	01	1100	1120	1104	S16 E29	.596	9004	3.6	20	-N						5 5 5
CANA	01	1055	1118	1058	S17 E29	.605	9004	3.6	23	-F	C		.40			IK
CANA	01	1055	1118	1107	S17 E29	.605	9004	3.6	23	-F	C		.30	.40		
CAPS	01	1100	1123		S15 E29	.588	9004	3.6	23	-N	3	1108	.50	.60		175 E
CATA	01	1100	1130	1105	S15 E30	.599	9004	3.7	30	-N		1105	.29	.37		162
ATHN	01	1102E	1116	1102	S19 E28	.612	9004	3.6	14D	-B	1	1102	.33	.40		
SALU	01	1105	1115		S14 E28	.569	9004	3.6	10	-N		1110	.58	.70	1.40	
CAPE	01	1134	1148	1136	N18 E16	.330	9002	2.7	14	-F	C	1136	.54	.60		
CANA	01	1151	1157	1153	S22 E69	.958	9006	6.7	6	-N	C		.20	.60		
CAPE	01	1201	1425		N23 E14	.360	9002	2.6	144	-N	P	1300	.81	.90		
MONI	01	1205	1215		N10 W65	.901	8988	26.6	10	-N	C	1209	.41			
CATA	01	1230	1250	1235	S16 E28	.586	9004	3.6	20	-N		1235	.18	.22		195
CATA	01	1245	1310	1245	S20 E66	.941	9006	6.5	25	-N		1245	.11			153
CATA	01	1255	1500	1300	S20 W54	.861	8993	27.5	125	-F		1300	.21	.43		145
GRP 9243	01	1316	1329	1318	S20 E68	.951	9006	6.7	13	-N			.74			9 9 9
CANA	01	1315	1326	1316	S21 E68	.952	9006	6.7	11	-N	C		.40	1.10		H
CAPS	01	1315E	1329		S17 E69	.952	9006	6.7	14D	1N	3	1320	1.30			176
MOMA	01	1315	1330	1317	S21 E68	.952	9006	6.7	15	-B	C	1317	.26	.90		C
CAPE	01	1315	1333		S19 E68	.950	9006	6.7	18	1N		1319	1.00			202
CATA	01	1315	1350	1320	S20 E67	.946	9006	6.6	35	1B		1320	1.31			D
MEUD	01	1316	1319	1316	S20 E64	.929	9006	6.4	3	-N	C	1316	.31			E
SACP	01	1316E	1328	1320	S20 E65	.935	9006	6.4	12D	-N			1.11	2.03		
HUAN	01	1319E	1319D		S20 E73	.973	9006	7.0		-N	1	1319	.31			
ATHN	01	1319	1329	1320	S23 E67	.950	9006	6.6	10	-N	2	1320	.66			
GRP 9244	01	1334	1402	1341	S17 E27	.584	9004	3.6	28	-N			.52			8 8 8
CATA	01	1330	1405	1340	S16 E28	.586	9004	3.7	35	-B		1340	.39	.48		
SACP	01	1330	1412	1350	S17 E27	.584	9004	3.6	42	-N	C		.70	.75		
CANA	01	1331	1405	1334	S17 E29	.605	9004	3.7	34	-F	C		.30	.40		I
MOMA	01	1332E	1415		S18 E27	.593	9004	3.6	43D	-N	C	1338	.41	.50		EL
CAPS	01	1337	1351		S15 E28	.577	9004	3.7	14	-N	3	1345	.90	1.20		176
MEUD	01	1337E	1353D		S17 E25	.563	9004	3.4	16D	-N	C	1337	.31	.40		E
ATHN	01	1338	1401	1340	S18 E27	.593	9004	3.6	23	-N	2	1340	.50	.50		
HUAN	01	1348E	1357D		S17 E28	.594	9004	3.7	9D	-N	1	1350	.62	.67		E
GRP 9245	01	1430	1504		S17 E27	.584	9004	3.6	34	-F			.28			3 2 2
MOMA	01	1425	1520		S18 E26	.583	9004	3.6	55	-F	C	1448	.26	.30		D
CAPS	01	1435	1448		S16 E27	.575	9004	3.6	13	-F	3	1438	.30	.30		160
SALU	01	1500	1540		S18 E27	.593	9004	3.7	40	-F	V	1520	.50	.60	1.30	D
CANA	01	1447	1514	1452	N22 E53	.801	9005	5.6	27	-F	C		.10	.20		
SALU	01	1500	1540		N15 W26	.451	8998	29.7	40	-N	V	1520		.80	1.50	
GRP 9248	01	1541	1547	1543	S21 W58	.893	8993	27.3	6	-F			.30			2 2 2
HOUS	01	1541	1546	1543	S20 W60	.904	8993	27.2	5	-N	C		.30	.60		200
CAPS	01	1543E	1547D		S22 W55	.875	8993	27.5	4D	-F	3	1543	.30	.60		160
MOMA	01	1619	1635	1621	S21 E66	.942	9006	6.6	16	-F	C	1621	.31	1.00		D
GRP 9250	01	1648	1750	1649	S21 E68	.952	9006	6.8	62	-F			.28			2 2 2
HUAN	01	1647E	1712D		S20 E70	.960	9006	6.9	25D	-F	1	1648	.25			D
MOMA	01	1648	1750	1649	S21 E66	.942	9006	6.7	62	-N	C	1649	.31	1.00		DK
MOMA	01	1648	1750	1735	S21 E66	.942	9006	6.7	62	-N			.31			
HOUS	01	1755	1820	1804	N15 W29	.494	8998	29.6	25	-F	C		.40	.50		100
HALE	01	1915	1928	1919	N12 W27	.456	8998	29.8	13	-N	1	1919	.31	.32		J
LOCK	01	2105	2115	2110	N09 W73	.952	8988	26.4	10	-F	C	2110	.20	.50		10
GRP 9254	01	2106	2121	2112	N16 W28	.484	8998	29.8	15	-N			.94			5 4 4
MOMA	01	2036	2100D	2039	N15 W26	.451	8998	29.9	24D	-B		2039	.26	.30		DH
SACP	01	2043	2121	2112	N15 W27	.466	8998	29.8	38	-N	C		1.38	1.41		
LOCK	01	2102	2123	2110	N16 W29	.498	8998	29.7	21	-N	C	2110	.90	1.00		20
HALE	01	2108	2122	2112	N15 W27	.466	8998	29.9	14	-N	1	2112	.98	1.10		J
HOUS	01	2108	2119	2112	N16 W28	.484	8998	29.8	11	-N	C		.50	.60		200
HOUS	01	2108	2119	2115	N16 W28	.484	8998	29.8	11	-N	C		.50			EJK

SOLAR FLARES  
OCTOBER 1967

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 Hz	MAX. INT. %		
GRP 9255	01	2237	2316	2244	N15	W29	.494	8998	29.8	39	-B								2 2 2
	01	2236	2322	2244	N15	W29	.494	8998	29.8	46	-N	C							
	01	2238	2310	2243	N15	W28	.480	8998	29.8	32	-B	1 C	2243	.78 1.19 .36	1.23 .40				JL
GRP 9256	01	2239	2252	2244	S20	E59	.898	9006	6.4	13	-N								2 2 2
	01	2236	2250	2243	S19	E59	.895	9006	6.4	14	-F	C			.64				
	01	2242	2253	2244	S20	E58	.891	9006	6.3	11	-B	1 C	2244	.27 .39 .15	.30				
HALE	01	2259	2327	2304	S17	E21	.523	9004	3.5	28	-B	1 C	2304	.05	.10				D
GRP 9258	01	2332	2351	2340	S15	E27	.566	9004	4.0	19	-N								4 4 4
	01	2330	2345	2335	S15	E27	.566	9004	4.0	15	-N	C	2335	.99 .80 .89	1.00 .94			20	
	01	2332	2350	2340	S14	E27	.557	9004	4.0	18	-N	C							
HALE	01	2335	2353	2340	S14	E27	.557	9004	4.0	18	-B	1 C	2340	1.03	1.20				L
MANI	01	2342E	2354	2344	S16	E26	.564	9004	3.9	12D	-F	2	2344	1.24	1.50				
GRP 9259	01	2348	0026	2355	S21	E60	.907	9006	6.5	38	-N								4 4 4
	01	2345	0005U	2350	S21	E60	.907	9006	6.5	20U	-N	C	2350	.68 .80 .99	1.70 1.64			10	
	01	2346	2356D	2354	S20	E60	.904	9006	6.5	10D	-N	C							
HALE	01	2350	0027	2352	S21	E60	.907	9006	6.5	37	-B	1 C	2352	.52					L
MANI	01	2350	0021	2355	S21	E59	.900	9006	6.4	31	-N	2	2355	.41	.80				
SACP	02	0001E	0031D	0003	S20	E61	.911	9006	6.6	30D	-N	C		1.00	1.68				
HALE	02	0055	0103	0058	N15	W29	.494	8998	29.9	8	-B	1 C	0058	.83	1.00				J
GRP 9261	02	0123	0211	0127	S17	E19	.503	9004	3.5	48	-N								3 3 3
	02	0122	0134	0124	S17	E23	.542	9004	3.8	12	-N	C		.75 .50	.60				
	02	0124	0203	0129	S17	E22	.532	9004	3.7	39	-B	1 C	0129	1.24	1.50				E
HALE	02	0124	0241	0127	S17	E12	.446	9004	3.0	77	-N	2	0127	.52 .57 .30	.57 .40				
MANI	02	0126	0150	0130	S19	E26	.592	9004	4.0	24	-F	C							
HALE	02	0226	0308	0231	N16	W30	.512	8998	29.9	42	-N	1 C	0231	.36	.40				L
HALE	02	0331	0345	0334	N16	W29	.498	8998	30.0	14	-B	1 C	0334	.62	.70				J
HALE	02	0355	0403	0359	N16	W30	.512	8998	29.9	8	-B	1 P	0359	1.44	1.70				V
GRP 9265	02	0523	0548	0529	N17	W32	.543	8998	29.8	25	-N								3 3 3
	02	0521	0550	0526	N17	W32	.543	8998	29.8	29	1N	C		1.41 1.90	2.30				
	02	0524	0545	0530	N16	W33	.554	8998	29.8	21	-N	P	0530	1.35	1.50			68	D
SIBE	02	0527E	0533D	0530	N17	W30	.516	8998	30.0	6D	-F	P	0530	.99	1.20				58
ISTA	02	0602	0613		N16	W31	.526	8998	29.9	11	-F								
GRP 9267	02	0714	0728	0717	N17	W33	.557	8998	29.8	14	-F								2 2 2
	02	0712	0726	0718	N17	W32	.543	8998	29.9	14	-F	C	0718	.54 .72 .35	.90 .42				
	02	0715	0730	0715	N16	W33	.554	8998	29.8	15	-F		0715						146
GRP 9268	02	0733	0750	0739	N16	W33	.554	8998	29.8	17	-N								3 3 3
	02	0731	0747	0737	N17	W32	.543	8998	29.9	16	-N	C		.76 .50	.60				
	02	0732	0753	0741	N17	W32	.543	8998	29.9	21	-N	C	0741	.87	1.00				
CATA	02	0735	0750	0740	N15	W34	.564	8998	29.8	15	-N		0740	.90	1.11				159
GRP 9269	02	0756	0815	0801	N16	W34	.567	8998	29.8	19	1N								6 6 6
	02	0755	0805	0758	N17	W34	.570	8998	29.8	10	1N	C		2.27 2.50	3.00				
	02	0755	0810	0758	N15	W34	.564	8998	29.8	15	-N	C	0755	1.42	1.74				195
BUCA	02	0755	0827D		N16	W34	.567	8998	29.8	32D	1N	C	0758	3.32	4.00				
MANI	02	0756	0812	0759	N15	W33	.551	8998	29.9	16	-B	2	0759	.72	.88				
CAPE	02	0756	0817	0758	N16	W34	.567	8998	29.8	21	1N	C	0758	2.35	2.90				H
ATHN	02	0758	0818	0810	N16	W35	.581	8998	29.7	20	1N	2	0810	3.30	4.00				
CATA	02	0815	0820	0815	N14	W15	.283	8999	1.2	5	-F		0815	.13	.14				148
CATA	02	0825	0830	0825	S18	E61	.907	9006	6.9	5	-N		0825	.11					155
CATA	02	0835	0840	0835	N13	W17	.307	8999	1.1	5	-F		0835	.11	.12				136
GRP 9273	02	0923	0931	0925	N16	W34	.567	8998	29.8	8	-N								3 3 3
	02	0920	0932	0925	N16	W33	.554	8998	29.9	12	-F	C	0925	.40 .32	.40				
	02	0924	0932	0924	N15	W35	.578	8998	29.8	8	-N	2	0924	.66	.80				
CATA	02	0925	0930	0925	N16	W34	.567	8998	29.8	5	-N		0925	.23	.29				160
GRP 9274	02	0931	0948	0936	N17	W34	.570	8998	29.8	17	-F								2 2 2
	02	0928	0944	0935	N16	W34	.567	8998	29.8	16	-F	C		.81 .40	.50				
	02	0933	0951	0937	N17	W34	.570	8998	29.8	18	-F	C	0937	1.22	1.50				H
GRP 9275	02	1002	1007	1003	N16	W35	.581	8998	29.8	5	-F								2 2 2
	02	1000	1005	1000	N15	W35	.578	8998	29.8	5	-N	C	1000	.24 .15	.19				
	02	1004	1009	1006	N17	W34	.570	8998	29.9	5	-F	C	1006	.32	.40				151

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %				
	1967																				
		02	1015	1030	1020	S20	W66	.940	8993	27.5	15	-N		1020	.13			158			
GRP	9277	02	1109	1130	1123	S20	W69	.956	8993	27.3	21	-F			.56			3	2	2	
	CATA	02	1035	1110	1040	S20	W66	.940	8993	27.5	35	-N		1040	.20			162			
	CANA	02	1109	1138	1119	S20	W74	.976	8993	26.9	29	-F	C		.40	1.10					
	CAPE	02	1109	1142	1126	S21	W68	.952	8993	27.4	33	1N	C	1126	.72	2.40			JT		
	CATA	02	1210	1215	1210	N16	W35	.581	8998	29.9	5	-F		1210	.23	.29			148		
	CATA	02	1210	1225	1210	S20	E52	.845	9006	6.4	15	-F		1210	.11	.22			140		
	MCMA	02	1225	1234	1228	S22	W70	.962	8993	27.3	9	-F	C	1228	.31	1.00			D		
GRP	9281	02	1255	1304	1259	S23	W69	.959	8993	27.4	9	-F			.20				2	2	2
	CAPE	02	1252	1306	1259	S21	W67	.947	8993	27.5	14	-N	C	1259	.18	.60			T		
	MCMA	02	1257	1302	1258	S24	W70	.965	8993	27.3	5	-F	C	1258	.21	.70			D		
GRP	9282	02	1300	1332	1329	S20	E52	.845	9006	6.4	32	-N			.26				3	2	2
	SALU	02	1300	1330		S18	E54	.855	9006	6.6	30	-N	V	1320	.41	.80	1.30				
	MONT	02	1300E	1307D		S21	E53	.856	9006	6.5	7D	-N	C	1300	1.55						
	CANA	02	1328	1333	1329	S20	E50	.828	9006	6.3	5	-N	C		.10	.20					
GRP	9283	02	1329	1340	1332	N15	W34	.564	8998	30.0	11	-N			.96				3	3	3
	CANA	02	1328	1340	1330	N16	W37	.607	8998	29.8	12	-F	C		.90	1.10					
	CAPE	02	1328E	1341D	1333	N16	W38	.620	8998	29.7	13D	-N	C	1333	1.45	1.80			H		
	MCMA	02	1330	1340	1332	N14	W28	.477	8998	30.5	10	-N	C	1332	.52	.80			E		
	CANA	02	1421	1427	1422	N23	W07	.303	9002	2.1	6	-F	C		.40	.40					
GRP	9285	02	1507	1526	1509	S22	E52	.852	9006	6.5	19	-N			.36				4	4	4
	CANA	02	1504	1526	1507	S22	E51	.844	9006	6.5	22	-N	C		.20	.40					
	MCMA	02	1506	1530	1508	S22	E53	.860	9006	6.6	24	-N	C	1508	.52	1.00			D		
	HOUS	02	1507	1523	1509	S21	E52	.849	9006	6.5	16	-F	C		.20	.40					
	ATHN	02	1509	1525	1510	S23	E50	.840	9006	6.4	16	-N	1	1510	.50	.90			100		
GRP	9286	02	1630	1647	1636	S20	E50	.828	9006	6.4	17	-N			.35				5	5	4
	SACP	02	1628	1650	1637	S19	E49	.816	9006	6.4	22	-N	C		.50	.67					
	CANA	02	1630	1643	1636	S22	E49	.828	9006	6.4	13	-N	C		.20	.40					
	LOCK	02	1630	1645	1636	S19	E49	.816	9006	6.4	15	-F	C	1636	.40	.70			10		
	HOUS	02	1630	1647	1636	S18	E50	.821	9006	6.4	17	-F	C		.10	.20			100		
	MCMA	02	1630	1648		S22	E52	.852	9006	6.6	18	-N	C	1635	.31	.60			E		
	HOUS	02	1700	1706	1702	N16	W38	.620	8998	29.9	6	-F	C		.30	.40			100		
GRP	9288	02	1704	1722	1707	S21	E52	.849	9006	6.6	18	-F			.29				3	3	3
	HOUS	02	1703	1716	1707	S21	E52	.849	9006	6.6	13	-F	C		.10	.20			100		
	MCMA	02	1704	1730		S22	E53	.860	9006	6.7	26	-N	C	1710	.26	.50			E		
	HUAN	02	1711E	1721D		S21	E52	.849	9006	6.6	10D	-F	1	P	1715	.50	.71			T	
	CANA	02	1812	1836	1817	N18	W11	.269	9002	1.9	24	-F	C		.20	.20					
	HOUS	02	1826	1835	1827	N13	W41	.654	8998	29.7	9	-F	C		.20	.30			100		
GRP	9291	02	1842	1849	1844	N16	W40	.646	8998	29.8	7	-F			.77				3	3	3
	MCMA	02	1842	1849	1843	N16	W38	.620	8998	29.9	7	-F	C	1843	.41	.50			E		
	SACP	02	1842E	1850U	1844	N15	W40	.644	8998	29.8	8U	-N	C		1.59	1.78					
	HOUS	02	1843	1847	1844	N16	W41	.658	8998	29.7	4	-F	C		.30	.40			100		
GRP	9292	02	1922	1947	1924	N13	W42	.667	8998	29.7	25	-F			.36				2	2	2
	HOUS	02	1921	1943	1923	N12	W41	.653	8998	29.7	22	-F	C		.30	.40			100		
	MCMA	02	1922	1950	1925	N13	W42	.667	8998	29.7	28	-N	C	1925	.41	.60			E		
	MCMA	02	1923	1950	1930	S18	E11	.453	9004	3.6	27	-N	C	1930	.41	.50			E		
GRP	9294	02	1955	2027	2009	S21	E49	.824	9006	6.5	32	-N			.61				3	3	3
	LOCK	02	1952	2030	2008	S19	E49	.816	9006	6.5	38	-F	C	2008	.90	1.50			10		
	MCMA	02	1957	2028D	2008	S22	E50	.836	9006	6.6	31D	-B	C	2008	.52	1.00			E		
	HOUS	02	2006E	2022	2010	S21	E48	.815	9006	6.4	16D	-N	C		.40	.70			200		
GRP	9294	02	2025	2036	2030	S21	E51	.840	9006	6.7	11	-F			.38				2	2	2
	SACP	02	2025E	2030D	2030U	S20	E50	.828	9006	6.6	5D	-F	P		.50	.68					
	HUAN	02	2029E	2036D		S21	E51	.840	9006	6.7	7D	-F	1	P	2030	.25	.35			D	
	HOUS	02	2115	2137	2118	N24	W13	.364	9002	1.9	22	-F	C		.10	.10			100		
	HOUS	02	2122	2130	2125	S21	W70	.961	8993	27.6	8	-F	C		.10	.30			100		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
GRP 9297	02	2152	2212	2155	S20	E46	.794	9006	6.4	20	1N								
LOCK	02	2150	2215	2153	S19	E46	.789	9006	6.4	25	1N								
HALE	02	2153	2209	2156	S21	E46	.798	9006	6.4	16	1B	2	C	2153	1.25	2.30	20	3 3 3	
HOUS	02	2154	2207D	2155	S21	E47	.807	9006	6.4	13D	-N		C	2156	1.30	3.30			
															.50	.80	200	E	
GRP 9298	02	2308	2321	2315	N24	W15	.383	9002	1.8	13	-F								
LOCK	02	2308	2320	2312	N23	W14	.361	9002	1.9	12	-F		C	2312	.20		10	2 2 2	
HOUS	02	2317E	2321	2317U	N24	W15	.383	9002	1.8	4D	-F		C		.30	.10	100		
SACP	02	2316	2332	2320	S24	E78	.990	9014	8.8	16	-N		C		.79				
GRP 9300	02	2344	2359	2350	S18	E09	.442	9004	3.7	15	-F				1.09			2 2 2	
SACP	02	2342	2351D	2351	S18	E09	.442	9004	3.7	9D	-F		C		1.68	1.71			
LOCK	02	2345	2359	2348	S18	E08	.437	9004	3.6	14	-F		C	2348	.50	.60	10		
GRP 9301	03	0019	0042	0022	N22	W10	.312	9002	2.3	23	-N				.78			3 3 3	
LOCK	03	0017	0040	0020	N23	W14	.362	9002	2.0	23	-N		C	0020	.90	1.00	20		
HALE	03	0021	0049	0024	N22	W13	.339	9002	2.0	28	-B	1	C	0024	1.13	1.20			
MANI	03	0029E	0038		N22	W02	.267	9002	2.9	9D	-F	1	C	0030	.31	.32			
HALE	03	0023	0043	0033U	S17	E41	.730	9006	6.1	20	-F	1	C	0033	.21	.30			
HALE	03	0124	0143	0127	N23	W13	.352	9002	2.1	19	-F	1	C	0127	.26	.30			
HALE	03	0125	0137	0127	S16	E41	.725	9006	6.1	12	-F	1	C	0127	.21	.30			
HALE	03	0143	0156	0147	N16	W43	.683	8998	29.8	13	-F	1	C	0147	.31	.40			
HALE	03	0216	0222	0217	S17	E42	.740	9006	6.2	6	-F	1	C	0217	.31	.50			
HALE	03	0237	0241	0238	S17	E42	.740	9006	6.3	4	-N	1	C	0238	.31	.50			
HALE	03	0308	0324	0315	N23	W13	.352	9002	2.2	16	-N	1	C	0315	.26	.30			
HALE	03	0343	0353D	0348	N23	W15	.372	9002	2.0	10D	-F	1	P	0348	.21	.22			
ATHN	03	0452E	0506	0452	N15	W15	.291	9002	2.1	14D	-N	2		0452	.50	.70			
ATHN	03	0523	0538	0526	S20	W80	.992	8993	27.2	15	-N	2		0526	.66				
ATHN	03	0538	0550	0540	N15	W15	.291	9002	2.1	12	-N	2		0540	.50	.70			
CRON	03	0555	0602	0559	S20	W90	1.001	8993	26.5	7	-N		C		.40	1.60		I	
CRON	03	0557	0621	0606	N12	E90	1.000	9015	10.0	24	-F		C		.40	1.60			
CRON	03	0651	0656	0652	N11	W90	1.000	8988	26.5	5	-N		C		.10	.40			
GRP 9316	03	0657	0727	0701	S20	W85	.999	8993	26.9	30	-B				.70			2 2 2	
ATHN	03	0653E	0741	0656	S20	W80	.992	8993	27.3	48D	1B	2		0656	.99				
CRON	03	0700	0712	0706	S20	W90	1.001	8993	26.5	12	-N		C		.40	1.60		I	
CAPE	03	0704	0716	0708	N16	W51	.774	8998	29.5	12	-F		C	0708	.51	.80		T	
GRP 9318	03	0716	0731	0723	S21	W85	.999	8993	26.9	15	-N				.50			3 3 3	
CAPE	03	0707	0735	0722	S21	W81	.995	8993	27.2	28	-N		C	0722	.63				
CRON	03	0717	0728	0721	S21	W90	1.001	8993	26.6	11	1F		C		.50	2.00			
CATA	03	0725	0730	0725	S22	W85	.999	8993	26.9	5	-N		C	0725	.37		193		
CRON	03	0731	0743	0736	S20	W90	1.001	8993	26.6	12	-N		C		.40	1.60		I	
CRON	03	0753	0756	0754	N17	W52	.786	8998	29.4	3	-F		C		.10	.20			
GRP 9320	03	0754	0813	0759	S16	E02	.386	9004	3.5	19	-F				1.01			2 2 2	
BUCA	03	0753E	0813D		S16	E02	.386	9004	3.5	20D	-F		C	0757	.66	.70			
CAPE	03	0754	0812	0759	S16	E02	.386	9004	3.5	18	-F		C	0759	1.36	1.50			
ATHN	03	0757	0813	0800	S20	W35	.689	8995	30.7	16	-N	2		0800	.99	1.50			
ISTA	03	0810	0940		S28	E80	.995	9014	9.3	90	-N								
CAPE	03	0820	0839	0825	N17	W18	.349	9002	2.0	19	-F		C	0825	.81	.90		F	
ISTA	03	0835	0905		S18	W13	.466	9010	2.4	30	-N								
CATA	03	0840	0852	0840	S20	W90	1.001	8993	26.6	12	-F			0840	.09		135		
GRP 9320	03	0900	1038	0925	S19	W90	1.001	8993	26.6	98	-N				.15			2 2 1	
MONT	03	0900E	0930		S18	W90	1.001	8993	26.6	30D	-N		C		.15				
CATA	03	0917	1145	0925	S20	W90	1.001	8993	26.6	148	-N			0925	.15		158		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
GRP 9326	1967 OCT 03	0943	1036	1019	S21	W82	.996	8993	27.3	53	-N							2 2 2	
CAPE	03	0943	1039	1019	S20	W83	.997	8993	27.2	56	-N	C	1019	.87					
CAPE	03	0943	1039	1003	S20	W83	.997	8993	27.2	56	1N	C	1003	1.13				T	
CAPS	03	1016E	1033		S22	W80	.993	8993	27.4	17D	-N	C	1017	.30				Y	
ISTA	03	0910	0935		S25	E74	.980	9014	8.9	25	-B								
GRP 9328	03	0919	0933	0924	S16	E36	.672	9006	6.1	14	-N							5 5 5	
CANA	03	0916	0930	0917	S17	E36	.678	9006	6.1	14	-F	C		.40	.60			K	
CANA	03	0916	0930	0923	S17	E36	.678	9006	6.1	14	-F	C							
CATA	03	0917	0935	0925	S15	E36	.666	9006	6.1	18	-N		0925	1.19	1.66			193	
CAPE	03	0917	0933	0925	S16	E37	.683	9006	6.2	16	-N		0925	.68	.90			V	
CRON	03	0922E	0926D	0923U	S17	E36	.678	9006	6.1	4D	-N	C		1.10	1.50				
SALU	03	0925	0935		S17	E36	.678	9006	6.1	10	-N	V	0930	.41	.50	1.50			
GRP 9329	03	0944	0954	0946	S16	E37	.683	9006	6.2	10	-F							2 2 2	
CAPE	03	0943	0953	0946	S16	E37	.683	9006	6.2	10	-F	C	0946	.77	1.00				
CATA	03	0945	0955	0945	S15	E36	.666	9006	6.1	10	-N		0945	.48	.68			159	
GRP 9330	03	1117	1124	1119	N16	W55	.815	8998	29.3	7	-F							3 3 3	
CANA	03	1115	1121	1117	N17	W56	.825	8998	29.3	6	-F	C		.40	.70				
CAPE	03	1117	1125	1120	N15	W55	.814	8998	29.3	8	-F	C	1120	.54	.90			HLT	
CATA	03	1120	1125	1120	N17	W54	.806	8998	29.4	5	-F		1120	.46	.80			146	
GRP 9330	03	1043	1228	1211	N16	W48	.742	8998	29.8	105	-F							2 2 2	
CAPE	03	1035	1055	1043	N18	W54	.807	8998	29.4	20	-F	C	1043	.63	1.10			T	
CATA	03	1050	1240	1100	N16	W48	.742	8998	29.9	110	-F		1100	.20	.25			148	
CAPE	03	1155	1216	1206	N15	W56	.824	8998	29.3	21	-F	C	1206	.87	1.50			HLT	
CATA	03	1210	1230	1215	N14	W35	.576	8998	30.9	20	-F		1215	.23	.29			129	
CATA	03	1125	1210	1130	S14	E05	.362	9004	3.9	45	-F		1130	.18	.19			138	
GRP 9332	03	1145	1205	1150	S22	W89	1.000	8993	26.8	20	-N							2 2 1	
CATA	03	1145	1200	1150	S20	W90	1.001	8993	26.7	15	-N		1150	.23				170	
MCMA	03	1157E	1210		S23	W88	1.000	8993	26.9	13D	-N	C	1159					B	
CAPE	03	1211	1218	1214	S16	E38	.693	9006	6.4	7	-F	C	1214	.72	1.00				
MCMA	03	1231	1243	1233	S23	W90	1.001	8993	26.8	12	-N	C	1233					D	
CAPE	03	1336	1355	1346	S23	E70	.964	9014	8.8	19	1F	C	1346	.90	4.00				
ATHN	03	1510	1515	1511	S23	E35	.710	9006	6.3	5	-F	1	1511	.17	.30				
ATHN	03	1512	1519D	1514	S18	W90	1.001	8993	26.9	7D	-N	1	1514	.50					
GRP 9338	03	1622	1643	1627	S21	E38	.724	9006	6.5	21	-N							5 5 5	
SACP	03	1618	1646	1630	S20	E38	.718	9006	6.5	28	-B	C		1.39	1.65				
LOCK	03	1620	1650	1625	S21	E39	.734	9006	6.6	30	-N	C	1625	1.00	1.50			20	
CANA	03	1623	1635	1627	S22	E38	.731	9006	6.5	12	-N	C		.50	.70				
MCMA	03	1625	1645	1628	S21	E38	.724	9006	6.5	20	-B	C	1628	.57	.90			E	
HOUS	03	1626	1639	1627	S21	E39	.734	9006	6.6	13	-N	C		.30	.40			200	
BOUL	03	1647	1738	1714	S19	W90	1.001	8993	26.9	51	1N	C		.70	2.80				
GRP 9340	03	1750	1816	1757	N17	W23	.419	8999	2.0	26	-N							4 4 4	
MCMA	03	1750	1810	1753	N17	W23	.419	8999	2.0	20	-N	C	1753	1.13	1.20			E	
SACP	03	1750	1816	1800	N17	W22	.405	8999	2.1	26	1N	C		2.67	2.69				
HALE	03	1750	1827	1757	N16	W24	.427	8999	1.9	37	-B	1	C	1757	1.75	1.90			
HOUS	03	1758E	1811	1759	N19	W24	.445	8999	1.9	13D	-N	C		1.60	1.80			200	
GRP 9341	03	1802	1823	1800	S18	W45	.775	8995	30.4	21	-B							2 2 2	
LOCK	03	1747	1820	1755	S21	W38	.724	8995	30.9	33	-B	C	1755	1.40	1.50			30	
LOCK	03	1800	1812	1803	S16	W49	.804	8995	30.1	12	-F	C	1803	.80	1.40			10	
HALE	03	1803	1826	1805	S18	W46	.784	8995	30.3	23	-N	1	C	1805	.83	1.30			
HALE	03	1805	1818	1806	N14	W59	.852	8998	29.3	13	-F	1	C	1806	.15	.30			
GRP 9343	03	1851	1930	1856	S22	E35	.703	9006	6.4	39	-F							3 3 3	
MCMA	03	1850	1950	1858	S21	E36	.705	9006	6.5	60	-N	C	1858	.22	.40				
HOUS	03	1851	1907	1854	S22	E35	.703	9006	6.4	16	-F	C		.10	.10			100	
HALE	03	1852	1933	1855	S22	E35	.703	9006	6.4	41	-F	1	C	1855	.31	.40			
GRP 9344	03	1944	1949	1947	N15	W62	.877	8998	29.2	5	-F							2 2 2	
HOUS	03	1943	1948	1946	N15	W62	.877	8998	29.2	5	-F	C		.18	.20			100	
HALE	03	1945	1950	1948	N14	W62	.877	8998	29.2	5	-F	1	C	1948	.26	.50			H



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 OCT																	
CATA	04	0850	0910	0855	S20	W90	1.001	8993	27.6	20	-F		0855	.46			148	
CATA	04	0945	1015	0950	S22	E22	.585	9006	6.1	30	-N		0950	.11	.15		159	
CATA	04	1000	1005	1000	S18	W30	.622	9010	2.2	5	-N		1000	.07	.10		159	
HOUS	04	1431	1442	1432	S22	E19	.561	9006	6.0	11	-F	C		.10	.10		100 K	
HOUS	04	1431	1442	1439	S22	E19	.561	9006	6.0	11	-F	C						
ATHN	04	1435	1447	1437	N25	E23	.480	9005	6.3	12	-N	2	1437	.33	.40			
CANA	04	1458	1504	1500	N04	E51	.775	9013	8.4	6	-F	C		.20	.30			
BRP 9379	04	1608	1622	1611	S17	W14	.459	9004	3.6	14	-F			.46			3 3 3	
HUAN	04	1555	1626		S17	W10	.432	9004	3.9	31	-F	2 C	1602	.37	.37		E	
MCMA	04	1608	1630D	1613	S17	W15	.467	9004	3.5	22D	-N	C C	1613	.72	.80		EH	
HUAN	04	1608	1621	1611	S17	W15	.467	9004	3.5	13	-F	2 C	1611	.31	.32		D	
HOUS	04	1610E	1615	1610U	S18	W16	.488	9004	3.5	5D	-F	C		.30	.30		100	
HALE	04	1641E	1703		S14	W14	.420	9004	3.6	22D	-N	2 P	1643	.41	.50			
BRP 9381	04	1646	1703	1651	S18	W35	.674	9010	2.1	17	-F			.19			4 4 4	
HALE	04	1641E	1702		S19	W35	.681	9010	2.1	21D	-N	2 P	1651	.15	.20			
HUAN	04	1646	1652D		S18	W35	.674	9010	2.1	6D	-F	2 P	1649	.21	.24		D	
MCMA	04	1647	1710	1651	S19	W34	.671	9010	2.1	23	-N	C C	1651	.31	.40		D	
HOUS	04	1649	1658	1650	S17	W37	.689	9010	1.9	9	-F	C		.10	.10		100	
BRP 9382	04	1653	1708	1656	N12	W72	.946	8998	29.3	15	-N			.83			3 3 2	
HALE	04	1651	1723	1657	N10	W73	.952	8998	29.2	32	1B	2 C	1657	1.24				
MCMA	04	1652	1702	1654	N15	W68	.921	8998	29.6	10	-F	C C	1654	.41	1.10		E	
HOUS	04	1655	1658	1656	N11	W75	.962	8998	29.1	3	-F	C		.10	.30		100 H	
HALE	04	1654	1740	1659	S16	W10	.417	9004	4.0	46	-F	2 C	1659	.21	.22			
BRP 9384	04	1744	1824		N22	W35	.603	9002	2.1	40	-N			.33			3 3 3	
HUAN	04	1738E	1838D		N22	W39	.651	9002	1.8	60D	-F	1 P	1745	.25	.28		D	
MCMA	04	1745	1900D		N23	W28	.523	9002	2.6	75D	-N	C C	1805	.52	.60		D	
HALE	04	1750	1810		N20	W38	.632	9002	1.9	20	-N	2 P	1750	.21	.30			
BRP 9385	04	1907	1925	1909	S17	W14	.459	9004	3.7	18	-N			.37			5 5 5	
LOCK	04	1904	1917	1907	S17	W14	.459	9004	3.7	13	-F			.30	.30		10 J	
HUAN	04	1907	1919	1910	S17	W13	.452	9004	3.8	12	-F	1 C	1910	.33	.34		D	
SACP	04	1907	1921	1910	S17	W13	.452	9004	3.8	14	-N	C C		.50	.50			
MCMA	04	1907	1945D	1909	S17	W17	.484	9004	3.5	38D	-N	C C	1909	.52	.50		E	
HALE	04	1909	1922	1910	S16	W12	.431	9004	3.9	13	-N	1 C	1910	.21	.22			
BRP 9386	04	1953	2009	1959	S19	W35	.681	9010	2.2	16	-N			.30			5 5 5	
MCMA	04	1949	2009		S19	W35	.681	9010	2.2	20	-N	C C	2003	.26	.40		D	
HALE	04	1950	2013	2000	S19	W35	.681	9010	2.2	23	-B	2 C	2000	.31	.40		E	
LOCK	04	1955	2005	1958	S19	W36	.691	9010	2.1	10	-F	C C	1958	.30	.40		10	
SACP	04	1956	2009	1958	S21	W35	.695	9010	2.2	13	-F	C C		.39	.46			
HUAN	04	1957	1959D		S19	W35	.681	9010	2.2	2D	-N	1 P	1959	.25	.29		D	
BRP 9387	04	2022	2051	2036	S19	W36	.691	9010	2.1	29	-F			.21			2 2 2	
HALE	04	2013	2055	2037	S19	W37	.701	9010	2.1	42	-N	2 C	2037	.21	.30			
MCMA	04	2030	2046	2034	S19	W35	.681	9010	2.2	16	-F	C	2034	.21	.30		D	
BRP 9388	04	2037	2102	2044	N23	W35	.608	9002	2.2	25	-N			.68			5 5 4	
LOCK	04	2036	2053	2041	N24	W35	.613	9002	2.2	17	-F	C	2041	.30	.40		10	
SACP	04	2036	2102	2043	N22	W38	.640	9002	2.0	26	-N	C C		1.29	1.44			
MCMA	04	2037	2059D	2043	N23	W28	.523	9002	2.8	22D	-N	C C	2043	.93	1.10		E	
HALE	04	2039	2114	2041	N23	W35	.608	9002	2.2	35	-N	2 C	2041	.21	.30			
HOUS	04	2046E	2100	2050	N24	W37	.636	9002	2.1	14D	-F	C		.20	.30		100	
HALE	04	2121	2149	2127	S19	W36	.691	9010	2.2	28	-F	2 C	2127	.21	.30			
LOCK	04	2135	2200	2143	S16	W16	.463	9004	3.7	25	-F	C	2143	.70	.80		10	
LOCK	04	2135	2200	2152	S16	W16	.463	9004	3.7	25	-F	C	2152	.70	.80		10	
HALE	04	2314	2323	2316	S19	W37	.701	9010	2.2	9	-N	2 C	2316	.52	.70			
BRP 9392	04	2349	2359	2355	S18	W39	.715	9010	2.1	10	-F			.36			2 2 2	
LOCK	04	2347	2359	2352	S17	W39	.709	9010	2.1	12	-F	C	2352	.30	.40		10	
HALE	04	2351	2359D	2357	S19	W38	.711	9010	2.1	8D	-N	2 P	2357	.41	.60			

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MGMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 OCT																	
GRP 9393	05 0019	0037	0025	S17 W18	.492	9004	3.7	18	-F								2 2 2	
LOCK	05 0015	0040	0023	S16 W18	.481	9004	3.7	25	-F									
HALE	05 0022	0034	0027	S17 W18	.492	9004	3.7	12	-N	1	C	0023	.60	.70		10	TE	
												0027	.36	.40				
HALE	05 0041	0054	0044	S19 W40	.731	9010	2.0	13	-F	1	C	0044	.26	.40			T	
HALE	05 0057	0119	0102	S19 W40	.731	9010	2.0	22	-F	1	C	0102	.31	.50			T	
HALE	05 0212	0247	0223	S19 W40	.731	9010	2.1	35	-F	1	C	0223	.36	.50			TW	
CRON	05 0246	0254	0249	S23 W75	.981	9001	29.5	8	-F		C		.20	.60			I	
CRON	05 0325U	0339U	0332U	S23 W75	.981	9001	29.5	14U	-F		C		.20	.60			I	
HALE	05 0355	0400D	0359	S15 W14	.432	9004	4.1	5D	-N	1	P	0359	.31	.32			T	
CAPE	05 0708	0725	0714	S19 E16	.500	9006	6.5	17	1F		C	0714	2.55	2.90			F	
CRON	05 0814	0835	0819	S23 W75	.981	9001	29.7	21	-F		C		.40	1.10			I	
CRON	05 0836	0858	0839	S23 W75	.981	9001	29.7	22	-F		C		.40	1.10			I	
GRP 9403	05 0903	0927	0905	S17 W23	.541	9004	3.7	24	-N				.85				2 2 2	
CAPE	05 0901E	0936		S17 W22	.531	9004	3.7	35D	-N		P	0907	1.36	1.60			FK	
CAPE	05 0901E	0936		S17 W23	.541	9004	3.7	35D	-N			0923	1.04	1.20				
ATHN	05 0904	0918	0905	S17 W24	.551	9004	3.6	14	-N	2		0905	.33	.40				
CAPE	05 1013	1021	1016	S17 W26	.571	9004	3.5	8	-F		C	1016	.72	.90			H	
GRP 9405	05 1040	1106	1044	S18 W23	.551	9004	3.7	26	1N				2.55				4 3 3	
CAPE	05 1038	1114	1044	S18 W21	.532	9004	3.9	36	1N		C	1044	4.26	5.00				
CANA	05 1040	1104	1043U	S18 W23	.551	9004	3.7	24	-N		C		1.40	1.70				
ATHN	05 1042	1056	1044	S17 W22	.531	9004	3.8	14	1N	2		1044	1.98	2.40				
SALU	05 1100	1110		S18 W24	.561	9004	3.7	10	-N		V	1100	1.32	1.50	1.40			
GRP 9406	05 1116	1142	1120	S20 E12	.485	9006	6.4	26	-N				1.40				5 5 5	
CAPS	05 1112E	1132		S20 E12	.485	9006	6.4	20D	1N	2		1121	2.00	2.30		189	F	
CANA	05 1115	1128	1117	S19 E12	.472	9006	6.4	13	-N		C		1.10	1.30			E	
SALU	05 1115	1135		S22 E11	.508	9006	6.3	20	-B		V	1120	1.32	1.50				
CAPE	05 1117	1159	1120	S20 E13	.492	9006	6.4	42	-N		C	1120	.95	1.10			FK	
ATHN	05 1121	1154	1123	S21 E13	.505	9006	6.4	33	1N	2		1123	1.65	2.40				
GRP 9406	05 1126	1152	1137	S20 E13	.492	9006	6.5	26	-N				2.29				4 4 3	
CAPE	05 1117	1159	1139	S20 E13	.492	9006	6.4	42	-N			1139	1.76	2.00				
ATHN	05 1121	1154	1135	S21 E13	.505	9006	6.4	33	1N	2								
CANA	05 1132	1145	1137	S19 E12	.472	9006	6.4	13	-N		C		1.10	1.30			E	
CAPS	05 1135	1150D		S19 E13	.478	9006	6.5	15D	1N	2		1144	4.00	4.60		196	FK	
GRP 9407	05 1123	1134		S30 E47	.848	9014	9.0	11	-F				.58				2 2 2	
ATHN	05 1121	1133	1122	S31 E48	.859	9014	9.1	12	-N	2		1122	.66	1.20				
SALU	05 1125	1135		S28 E45	.824	9014	8.9	10	-F		V	1130	.50	.90	1.30			
GRP 9408	05 1129	1144	1133	S19 W25	.580	9004	3.6	15	-N				1.64				4 4 3	
CAPS	05 1125E	1150D		S17 W23	.541	9004	3.8	25D	1N	2		1132	3.00	3.40		189	H	
CAPE	05 1128	1144	1134	S17 W24	.551	9004	3.7	16	-N		C	1134	1.27	1.50				
CANA	05 1129	1138	1130	S24 W26	.639	9004	3.5	9	-F		C		.20	.20				
ATHN	05 1134	1142	1136	S16 W26	.562	9004	3.5	8	-N	2		1136	.66	.80				
CAPE	05 1149	1159	1149	S26 E51	.859	9014	9.3	10	-F		C	1149	.45	.90				
CANA	05 1335	1353D	1337	N24 E06	.316	9005	6.0	18D	-F		C		.20	.20				
GRP 9411	05 1354	1424	1403	S17 W25	.561	9004	3.7	30	1N				2.75				6 6 6	
CAPE	05 1350	1419	1401	S18 W23	.551	9004	3.9	29	1N		C	1401	3.44	4.20			FHV	
SACP	05 1354E	1432	1407	S17 W25	.561	9004	3.7	38D	1N		C		2.49	2.65				
MONT	05 1355	1425	1359	S16 W26	.562	9004	3.6	30	1N		C	1359	2.58					
HOUS	05 1358	1418	1403	S16 W28	.584	9004	3.5	20	-N		C		1.20	1.50		200	E	
CAPS	05 1400E	1418D		S17 W24	.551	9004	3.8	18D	2N	1		1404	5.00	6.00		196	CF	
MCA	05 1402E	1429		S18 W25	.571	9004	3.7	27D	1N		C	1402	1.80	2.20			FH	
GRP 9412	05 1524	1535	1527	S17 W26	.571	9004	3.7	11	-N				.42				4 4 4	
LOCK	05 1522	1533	1526	S16 W26	.562	9004	3.7	11	-N		C	1526	.70	.80		20		
CANA	05 1524	1534	1525	S18 W27	.591	9004	3.6	10	-N		C		.40	.50				
MCA	05 1525	1537	1528	S18 W25	.571	9004	3.8	12	-N		C	1528	.36	.40			E	
HOUS	05 1526	1535	1527	S17 W26	.571	9004	3.7	9	-N		C		.20	.20		200		
GRP 9413	05 1748	1805	1755	S15 W27	.564	9004	3.7	17	-F				.48				2 2 2	
LOCK	05 1745	1805	1755	S15 W29	.587	9004	3.6	20	-F			1755	.70	.80		10		
HALE	05 1751	1804	1754	S15 W25	.542	9004	3.9	13	-N	1	C	1754	.26	.30			TE	

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.													
GRP 9414	1967 OCT	05 1846	1915	1856	S17	W27	.582	9004	3.8	29	-B							6 5 5	
LOCK	05 1842	1905	1852	S17	W27	.582	9004	3.8	23	-N		1852	1.00	1.20		20			
HALE	05 1849	1911	1855	S18	W25	.571	9004	3.9	22	-B	1	C	1855	.77	.90		TJE		
HUAN	05 1853E	1901D		S18	W26	.581	9004	3.8	8D	-B	1	P	1854	.77	.82		E		
MCMA	05 1855E	1905		S18	W27	.591	9004	3.8	10D	-B		C	1855	.52	.60		E		
SACP	05 1900E	1915D	1900U	S18	W26	.581	9004	3.8	15D	-N		P		1.28	1.38				
HOUS	05 1914	1938	1921	S15	W28	.575	9004	3.7	24	-F		C		.10	.10	100			
HALE	05 1925	1932	1928	S22	W48	.819	9010	2.2	7	-F	1	C	1928	.21	.40		T		
GRP 9416	05 2039	2050	2043	S18	W28	.601	9004	3.8	11	-F				.47			3 3 3		
LOCK	05 2037	2046	2040	S17	W28	.592	9004	3.8	9	-F		C	2040	.40	.50	10			
HALE	05 2041	2050	2043	S18	W27	.591	9004	3.8	9	-F	1	C	2043	.41	.50		TE		
SACP	05 2045E	2053	2045U	S18	W28	.601	9004	3.8	8D	-N		P		.60	.65				
BOUL	05 2145	2157	2148	N18	W85	.993	8998	29.5	12	-N		C		.20	.70				
HOUS	05 2148	2206D	2153	S15	W28	.575	9004	3.8	18D	-F		C		.10	.10	100			
GRP 9419	05 2216	2233	2220	S17	W27	.582	9004	3.9	17	-F				.78			4 4 3		
HOUS	05 2215	2226	2219	S16	W28	.584	9004	3.8	11	-F		C		.10	.10	100			
LOCK	05 2215	2232	2219	S17	W27	.582	9004	3.9	17	-N		C	2219	.90	1.10	20			
SACP	05 2216	2246	2221	S18	W26	.581	9004	4.0	30	-N		C		1.09	1.17				
HALE	05 2218	2227	2221	S17	W27	.582	9004	3.9	9	-F	1	C	2221	.36	.40		T		
HOUS	05 2306E	2309	2306U	S19	W29	.620	9004	3.8	3D	-F		C		.10	.10	100			
GRP 9421	06 0015	0053	0025	S18	W28	.601	9004	3.9	38	-N				1.38			3 3 3		
LOCK	06 0015	0040U	0025	S19	W28	.609	9004	3.9	25U	-N		C	0025	1.20	1.50	20			
HALE	06 0015	0053	0027	S19	W28	.609	9004	3.9	38	-B	2	C	0027	.93	1.20		JUT		
SACP	06 0024E	0036D	0024U	S17	W28	.592	9004	3.9	12D	1N		C		2.01	2.19				
HALE	06 0203	0240	0205	S19	W33	.660	9004	3.6	37	-B	1	C	0205	.41	.50		FJ		
HALE	06 0254	0308	0255	S21	E06	.471	9006	6.6	14	-N	1	C	0255	.26	.30		J		
CRON	06 0259	0307	0301	N18	W81	.983	8998	30.0	8	-F		C		.30	1.00				
CRON	06 0409	0420	0413	N24	E40	.671	9007	9.2	11	-N		C		.20	.30				
CRON	06 0611	0626	0623	S22	W90	1.001	9001	29.5	15	-F		C		.40	1.60				
CATA	06 0700	0705	0700	S17	W33	.645	9004	3.8	5	-N		C	0700	.25	.33	174			
CRON	06 0748	0757	0751	S22	W90	1.001	9001	29.6	9	-F		C		.40	1.60				
GRP 9429	06 0755	0817	0755	S15	W37	.676	9004	3.6	22	-F				.39			2 2 1		
CATA	06 0755	0813	0755	S17	W37	.688	9004	3.6	18	-F		C	0755	.39	.54	150			
ISTA	06 0755	0820		S12	W37	.658	9004	3.6	25	-F		C							
GRP 9430	06 0840	0848	0843	S16	W33	.638	9004	3.9	8	-F				.41			2 2 1		
ISTA	06 0840	0845		S12	W33	.611	9004	3.9	5	-F		C							
MONI	06 0842	0850	0843	S19	W32	.650	9004	4.0	8	-N		C	0843	.41					
GRP 9431	06 0858	0910	0903	S18	W34	.663	9004	3.8	12	-N				.73			4 4 4		
MONI	06 0856	0910	0903	S19	W32	.650	9004	4.0	14	-N		C	0903	.72					
CAPS	06 0858	0911		S16	W33	.638	9004	3.9	13	-N	3	C	0906	.70	.90	176	H		
CANA	06 0859	0904	0902	S19	W34	.670	9004	3.8	5	-F		C		.80	1.10				
CATA	06 0900	0915	0905	S18	W35	.673	9004	3.8	15	-B		C	0905	.68	.92	206			
GRP 9432	06 1009	1021	1013	S19	W36	.690	9004	3.7	12	-N				1.35			4 4 4		
MONI	06 0952	1005	0953	S20	W50	.827	9004	2.7	13	-F		C	0953	.31					
MONI	06 1007	1020	1010	S19	W32	.650	9004	4.0	13	1N		C	1010	2.06					
CANA	06 1008	1018	1012	S19	W34	.670	9004	3.9	10	-F		C		.80	1.10				
CAPE	06 1009E	1022D	1013	S18	W34	.663	9004	3.9	13D	-N		P	1013	1.19	1.60				
CATA	06 1010	1023	1015	S18	W35	.673	9004	3.8	13	-N		C	1015	1.35	1.85	180			
MONI	06 1033	1045	1035	S23	E03	.494	9006	6.7	12	-F		C	1035	.52					
MONI	06 1058	1105	1100	N11	E28	.470	9013	8.6	7	-N		C	1100	.31					
GRP 9433	06 1102	1135	1115	S18	W36	.684	9004	3.8	33	1N				3.37			5 5 3		
CANA	06 1059	1127	1112	S18	W38	.704	9004	3.6	28	-N		C							
CAPE	06 1102	1143D	1116	S18	W37	.694	9004	3.7	41D	2N		C	1116	5.12	7.00				
CAPS	06 1104E	1134D		S18	W35	.673	9004	3.8	30D	1N	3	C	1115	1.90	2.40	195	C		
WEND	06 1104	1128		S19	W37	.701	9004	3.7	24	1F		V		3.09					
CATA	06 1116	1145	1116	S17	W33	.645	9004	4.0	29	-N		C	1116	.90	1.18	174			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
GRP 9435	06	1101	1137	1103	S19	W37	.701	9004	3.7	36	-N						5 5 .4		
ABST	06	0843	1130	1103	S21	W36	.704	9004	3.7	167	1F	C	1103	1.80	2.40		EJFK		
MONI	06	0923	0945	0925	S18	W34	.663	9004	3.8	22	-N		0925	.52					
CANA	06	1059	1127	1101	S18	W38	.704	9004	3.6	28	-N	C		.40	.60		K		
MONI	06	1101	1200	1105	S20	W34	.677	9004	3.9	59	1B	C	1105	2.06					
ATHN	06	1102	1124	1102	S17	W37	.688	9004	3.7	22	-B	1	1102	1.32	1.80		FK		
CAPE	06	1102	1143	1103	S18	W38	.704	9004	3.6	41	-N	C	1103	1.19	1.60				
CAPE	06	1117	1142	1129	S28	E36	.754	9014	9.2	25	-F	C	1129	.59	.90				
CATA	06	1130	1225	1135	S25	W90	1.001	9001	29.7	55	-F		1135	.29			138		
GRP 9438	06	1220	1309	1224	S17	W37	.688	9004	3.7	49	1N			3.09			7 7 6		
WEND	06	1216	1244		S18	W37	.694	9004	3.7	28	1N	V		5.16					
CAPE	06	1217E	1231D	1223	S16	W37	.682	9004	3.7	14D	1N	P	1223	2.94	4.00		V		
CAPS	06	1218	1330		S16	W36	.671	9004	3.8	72	1B	3	1226	2.30	2.90		230		
CANA	06	1219	1244D	1221	S17	W38	.698	9004	3.7	25D	-N	C		1.40	1.90				
MONI	06	1221	1455	1225	S20	W33	.668	9004	4.0	154	2B	C	1225	3.61			2.50		
ONDR	06	1223	1337	1225	S17	W40	.719	9004	3.5	74	2N	V	1225				298		
CATA	06	1225	1245	1227	S16	W37	.682	9004	3.7	20	1B		1227	3.11	4.33		170		
CATA	06	1227	1237	1230	S25	W90	1.001	9001	29.8	10	-N		1230	.09					
GRP 9440	06	1329	1428		S17	W88	.698	9004	3.7	59	-N			2.31			2 2 2		
SACP	06	1317E	1417	1320	S17	W36	.677	9004	3.9	60D	1N	C		3.65	4.20				
HUAN	06	1341E	1428		S16	W40	.714	9004	3.6	47D	-N	1	1348	.97	1.11		E		
SACP	06	1344	1404	1348	S25	W81	.996	9001	30.5	20	-N	C		.78					
CATA	06	1410	1445	1420	S25	W90	1.001	9001	29.8	35	1F		1420	.55			132		
MONI	06	1410E	1510D	1450	N10	E27	.453	9013	8.6	60D	1N	C	1450	2.06					
GRP 9444	06	1454	1513	1459	S18	W39	.715	9004	3.7	19	-N			.40			5 5 5		
HOUS	06	1448	1510	1456	S19	W39	.721	9004	3.7	22	-F	C		.20	.30		100		
SACP	06	1452	1533	1459	S18	W38	.704	9004	3.8	41	-N	C		.39	.46				
MONI	06	1453	1510		S19	W40	.730	9004	3.6	17	-N	C	1500	.62					
CATA	06	1455	1500	1500	S19	W37	.701	9004	3.8	5	-N		1500	.15	.22		164		
ATHN	06	1500	1510	1501	S17	W39	.709	9004	3.7	10	-N	1	1501	.66	.90				
GRP 9445	06	1551	1559	1554	S17	W44	.759	9004	3.4	8	-F			.48			3 3 3		
LOCK	06	1548	1600	1552	S16	W46	.775	9004	3.2	12	-F	C	1552	.50	.80		10		
HUAN	06	1552	1559		S18	W44	.764	9004	3.4	7	-F	1	1555	.25	.30		H		
SACP	06	1553	1559	1555	S17	W44	.759	9004	3.4	6	-N	C		.69	.86		D		
SACP	06	1559	1617	1605	S15	W41	.719	9004	3.6	18	-F	C		.98	1.17				
HALE	06	1622	1654	1632	S17	W35	.667	9004	4.1	32	-B	1	1632	.21	.30		J		
HALE	06	1706	1735	1709	S19	W09	.454	9006	6.0	29	-B	2	1709	.21	.22		J		
LOCK	06	1710	1727	1720	S16	W46	.775	9004	3.3	17	-F	C	1720	.50	.80		10		
SACP	06	1736	1748	1743	S19	W39	.721	9004	3.8	12	-F	C		.59	.71				
GRP 9450	06	1800	1816	1803	S17	W46	.779	9004	3.3	16	-N			.51			2 2 2		
LOCK	06	1757	1811	1801	S16	W46	.775	9004	3.3	14	-F		1801	.70	1.10		10		
HALE	06	1802	1821	1804	S17	W45	.769	9004	3.4	19	-B	1	1804	.31	.50		HJ		
GRP 9451	06	1909	1921	1912	S18	W43	.754	9004	3.6	12	-N			.36			4 4 4		
LOCK	06	1906	1920	1910	S18	W43	.754	9004	3.6	14	-F	C	1910	.20	.30		10		
HALE	06	1909	1923	1912	S19	W43	.760	9004	3.6	14	-B	1	1912	.21	.30		HJ		
HUAN	06	1910	1912D		S18	W42	.745	9004	3.6	2D	-F	1	1912	.25	.30		D		
SACP	06	1911	1920	1913	S18	W42	.745	9004	3.6	9	-N	C		.78	.97				
GRP 9452	06	1921	1942	1925	N18	E55	.817	9018	10.9	21	-N			.68			3 3 3		
LOCK	06	1919	1937	1924	N16	E57	.834	9018	11.1	18	-F	C	1924	.60	1.00		10		
SACP	06	1922	1942	1925	N20	E54	.809	9018	10.9	20	-N	C		.68	.91				
HALE	06	1922	1948	1927	N18	E53	.797	9018	10.8	26	-N	1	1927	.77	1.30		F		
GRP 9453	06	2011	2036	2015	S19	W42	.750	9004	3.7	25	-N			.43			2 2 2		
HALE	06	2009	2036	2015	S20	W42	.755	9004	3.7	27	-B	1	2015	.26	.40		FJ		
SACP	06	2013	2023	2014	S19	W40	.730	9004	3.8	10	-F	C		.59	.71				
SACP	06	2025	2030D	2026	S16	W44	.755	9004	3.6	5D	-N	C		1.19	1.46				
HALE	06	2022	2040	2024	N16	W34	.568	9005	4.3	18	-N	1	2024	.21	.30				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>c</sub>	MAX. INT. %	
					LAT.	MER. DIST.													
GRP 9455	06	2024	2037	2027	S28	E27	.685	9014	8.9	13	-N							3 3 3	
LOCK	06	2020	2037	2025	S28	E27	.685	9014	8.9	17	-N	C	2025	.58				20	
SACP	06	2025	2039	2028	S27	E27	.675	9014	8.9	14	-N	C		.50	.70				
HALE	06	2026	2034	2028	S28	E27	.685	9014	8.9	8	-N	1 C	2028	.98	1.13				
GRP 9456	06	2221	2237	2225	S17	W44	.759	9004	3.6	16	-N			.63				3 3 3	
SACP	06	2218E	2224D	2224	S16	W44	.755	9004	3.6	6D	-N	C		1.18	1.46				
LOCK	06	2220	2234	2225	S16	W45	.765	9004	3.6	14	-F	C	2225	.40	.60		10		
HALE	06	2224	2240	2225	S18	W44	.764	9004	3.6	16	-N	1 C	2225	.31	.50			JL	
GRP 9457	06	2300	2352	2308	S16	W45	.765	9004	3.6	52	-N			1.79				3 3 3	
SACP	06	2257	0017D	2306	S16	W44	.755	9004	3.7	80D	1N	C		3.24	4.01				
LOCK	06	2300	2333	2308	S16	W45	.765	9004	3.6	33	-N	C	2308	1.00	1.50		20		
HALE	06	2302	2345	2310	S17	W46	.779	9004	3.5	43	-B	1 C	2310	1.13	1.80			J	
GRP 9458	06	2316	2330	2320	S28	E26	.677	9014	8.9	14	-N			.84				3 3 2	
LOCK	06	2314	2330	2319	S28	E27	.685	9014	9.0	16	-N	C	2319	.60	.80		20		
HALE	06	2317	2332	2320	S28	E25	.670	9014	8.8	15	-N	1 C	2320	.21	.30			K	
SACP	06	2320E	2329	2320U	S27	E26	.668	9014	8.9	9D	-N	C		1.07	1.22				
LOCK	07	0011	0026	0018	S28	E28	.692	9014	9.1	15	-N	C	0018	.70	1.00		20		
HALE	07	0036	0255	0039	S19	W50	.823	9004	3.3	139	-F	2 C	0039	.72	1.30				
CRON	07	0141U	0154	0144U	S29	E23	.666	9014	8.8	13U	-N	C		.30	.40				
HALE	07	0157	0205	0200	S19	W07	.444	9006	6.6	8	-F	1 C	0200	.93	1.00				
CRON	07	0209	0214	0211	N10	W82	.988	8999	30.9	5	-N	C		.30	1.00				
CRON	07	0219	0223	0220	N24	W74	.955	9002	1.5	4	-N	C		.30	.80				
GRP 9465	07	0231	0359	0240	S16	W47	.784	9004	3.6	88	1B			2.27				1 1 1	
HALE	07	0231	0359D	0240	S16	W47	.784	9004	3.6	88D	1B	2 P	0240	2.27	3.60			K	
HALE	07	0231	0359D	0235	S16	W47	.784	9004	3.6	88D	-B	2 P	0235	.83	1.30				
HALE	07	0231	0359D	0347	S16	W47	.784	9004	3.6	88D	-B	2 P	0347	1.13	1.80				
GRP 9466	07	0501	0511	0506	S29	E24	.673	9014	9.0	10	-N			1.21				3 3 3	
ATHN	07	0458E	0511	0458	S28	E24	.662	9014	9.0	13D	-N	2	0458	1.32	1.60				
ABST	07	0503	0600	0506	S28	E24	.662	9014	9.0	57	1N	C	0506	1.80	2.40		62	EFJ	
MANI	07	0504E	0510		S30	E25	.690	9014	9.1	6D	-N	2	0505	.52	.73				
GRP 9467	07	0506	0615	0503	S17	W47	.788	9004	3.7	69	1F			4.13				3 2 1	
ABST	07	0503	0516		S17	W49	.807	9004	3.5	13	-F	C	0503	.90	1.50		58	D	
TACH	07	0508E	0615D		S16	W46	.774	9004	3.8	67D	2F	V	0603	4.13	6.60	2.10	75	E	
MANI	07	0600E	0612D		S17	W47	.788	9004	3.7	12D	-F	1	0602	.83	1.42				
GRP 9468	07	0507	0548	0509	N21	W75	.960	9002	1.6	41	-F			.93				2 2 2	
ABST	07	0506	0555	0509	N23	W71	.940	9002	1.9	49	-F	C	0509	1.35	1.40		65	D	
CRON	07	0507	0515	0509	N24	W77	.968	9002	1.4	8	-N	C		.50	1.40				
CRON	07	0532	0540	0535	N12	W81	.985	9002	1.2	8	-N	C		.30	1.00				
GRP 9469	07	0621	0632	0621	S31	E25	.700	9014	9.1	11	-F			.60				2 2 2	
ATHN	07	0621E	0631	0621	S32	E25	.710	9014	9.1	10D	-N	2	0621	.99	1.20				
MANI	07	0628E	0633		S29	E24	.673	9014	9.1	5D	-F	1	0629	.21	.29				
CRON	07	0647	0701	0651	S05	W57	.848	9004	3.0	14	-F	C		.30	.50			H	
GRP 9471	07	0807	0843	0833	S14	W50	.805	9004	3.6	36	-N			1.06				3 2 2	
CATA	07	0800	0850	0805	S16	W50	.812	9004	3.6	50	-N			1.11	1.95		159		
CAPS	07	0813	0836		S16	W48	.794	9004	3.7	23	-N	3	0805	1.00	1.50		176		
CRON	07	0831	0843	0833	S10	W51	.803	9004	3.5	12	-F	C	0815	.10	.20				
CAPS	07	0938E	0944		S19	W15	.491	9006	6.3	6D	-F	3	0940	.30	.40		166	E	
MONI	07	1052	1120	1102	S20	W70	.960	9010	2.2	28	-F	C	1102	.52					
GRP 9474	07	1130	1156	1134	S17	W58	.882	9004	3.1	26	1F			1.93				4 4 4	
CAPE	07	1115E	1131		S16	W51	.821	9004	3.6	16D	-N	P	1118	1.04	1.80			T	
KIEV	07	1130	1142	1132	S17	W60	.897	9004	3.0	12	1F	C	1132	1.55			60	DI	
KHAR	07	1130E	1155D		S16	W57	.872	9004	3.2	25D	2F	P	1140	2.84	5.80	1.80		D	
CAPE	07	1130	1151	1136	S17	W57	.875	9004	3.2	21	1N	C	1136	1.76	3.60				
CAPE	07	1130	1151	1133	S17	W57	.875	9004	3.2	21	1N	C	1133	1.31	2.70			HKT	
MONI	07	1142E	1215		S18	W59	.892	9004	3.1	33D	1N	C	1145	1.55					
GRP 9475	07	1210	1231	1213	S17	W54	.851	9004	3.5	21	-N			1.06				2 2 2	
CAPS	07	1208E	1237		S18	W50	.820	9004	3.8	29D	1N	3	1217	1.70	2.60		176	F	
CAPE	07	1212	1225	1213	S16	W57	.872	9004	3.2	13	-N	C	1213	.41	.80				

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OBSERVATORY	OBSERVED UT			MAX. PHASE	LOCATION				DURATION — MIN.	IM-POR-TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END		APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION					CMP DAY	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	
CAPE	1967 OCT 07	1235	1242	1236	N26	E22	.480	9007	9.2	7	-F	C	1236	.77	.90		C	
CAPE	07	1316	1320	1317	S15	W58	.877	9004	3.2	4	-F	C	1317	.27	.60			
CAPE	07	1349	1418	1355	S16	W59	.887	9004	3.2	29	1F	C	1355	1.50	3.10		HK	
CAPE	07	1349	1418	1405	S16	W59	.887	9004	3.2	29	-F	C	1405	.63	1.30			
CAPE	07	1349	1418	1415	S16	W59	.887	9004	3.2	29	-F	C	1415	.54	1.10			
CAPE	07	1411	1418	1413	S21	W80	.993	9010	1.6	7	-N	C	1413	.32			T	
GRP 9480	07	1427	1442	1430	S21	W76	.983	9010	1.9	15	-F			.49			2 2 2	
MONI	07	1425	1450	1430	S20	W72	.968	9010	2.2	25	-F	C	1430	.62				
CAPE	07	1428	1434	1430	S21	W80	.993	9010	1.6	6	-F	C	1430	.36			T	
GRP 9481	07	1438	1507	1444	S24	E19	.582	9014	9.0	29	-F			.55			2 2 2	
SACP	07	1438	1458	1444	S28	E18	.623	9014	9.0	20	-F	C		.69	.76			
MONI	07	1444	1515	1500	S19	E19	.523	9014	9.0	31	-F	C	1500	.41				
GRP 9482	07	1528	1546	1537	S16	W58	.880	9004	3.3	18	-N			.33			3 3 3	
SACP	07	1526	1549	1538	S16	W58	.880	9004	3.3	23	-N	C		.30	.45			
LOCK	07	1530	1545	1535	S14	W59	.883	9004	3.2	15	-N	C	1535	.30	.60		20 H	
CAPS	07	1535E	1544		S18	W56	.869	9004	3.4	9D	-N	3	1540	.40	.80		164 D	
GRP 9483	07	1625	1648	1632	S17	W59	.890	9004	3.3	23	-N			.99			2 2 2	
LOCK	07	1623	1645	1633	S16	W59	.887	9004	3.3	22	-N	C	1633	1.00	2.00		20	
SACP	07	1626	1651	1630	S18	W58	.885	9004	3.3	25	-N	C		.98	1.51			
GRP 9484	07	1654	1711	1701	S16	W60	.895	9004	3.2	17	-B			1.24			2 2 2	
LOCK	07	1653	1710	1659	S16	W60	.895	9004	3.2	17	1N	C	1659	1.50	3.20		20	
SACP	07	1654	1712	1702	S16	W59	.887	9004	3.3	18	-B	C		.98	1.54			
HALE	07	1726	1732	1729	N23	W84	.990	9002	1.4	6	-N	3	C	1729	.26			
GRP 9486	07	1800	1811	1803	N12	E49	.750	9018	11.4	11	-F			.36			2 2 2	
SACP	07	1759	1810	1802	N13	E49	.751	9018	11.4	11	-F	C		.30	.36			
HALE	07	1800	1812	1803	N11	E49	.750	9018	11.4	12	-F	2	C	1803	.41	.60		H
SACP	07	1925	1949	1930	S16	W57	.872	9004	3.5	24	-F	C		.69	1.03			
GRP 9488	07	2004	2012	2006	N23	W83	.988	9002	1.6	8	-N			.55			2 2 2	
LOCK	07	2003	2010	2005	N24	W84	.990	9002	1.5	7	1N	C	2005	.70	2.40		20	
SACP	07	2004	2014	2006	N22	W81	.983	9002	1.8	10	-N	C		.39				
GRP 9489	07	2044	2110	2050	S18	W62	.912	9004	3.2	26	1B			2.76			4 4 4	
LOCK	07	2042	2106	2049	S18	W62	.912	9004	3.2	24	2N	C	2049	3.00	6.30		20	
SACP	07	2044	2110	2050	S19	W61	.908	9004	3.3	26	2B	C		3.64	6.07			
HALE	07	2045	2115	2050	S18	W62	.912	9004	3.2	30	1B	1	C	2050	2.27			
HUAN	07	2049E	2051D		S18	W64	.925	9004	3.1	2D	1B	1	P	2049	2.11			
HALE	07	2058	2130	2108	S25	E16	.574	9014	9.1	32	-F	1	C	2108	.31	.40		H
HOUS	07	2137	2145D	2139	N21	W79	.976	9002	2.0	8D	-F			.20	.60		100	
HALE	08	0031	0133	0040U	N14	W25	.434	9011	6.1	62	-F	1	C	0040	.41	.50		
HALE	08	0144	0225	0148	N22	W80	.979	9002	2.1	41	-F	1	C	0148	.31			
HALE	08	0152	0208	0153U	S29	E13	.609	9014	9.1	16	-F	2	C	0153	.21	.30		
HALE	08	0339	0342	0340	S15	W55	.853	9004	4.0	3	-F	2	C	0340	.21	.40		
GRP 9496	08	0341	0353	0342	N10	E05	.107	9013	8.5	12	-F			.83			2 2 2	
HALE	08	0340	0358D	0342	N10	E05	.107	9013	8.5	18D	-N	2	P	0342	.62	.62		
MITR	08	0341	0347	0342	N10	E05	.107	9013	8.5	6	-F	C	0342	1.03	1.00		E	
CRON	08	0621	0628	0623U	S17	W68	.946	9004	3.2	7	-F			.10	.20			
ISTA	08	0720	0735		N11	E02	.088	9013	8.5	15	-F							
GRP 9499	08	0744	0754	0747	S16	W65	.928	9004	3.4	10	-N			.67			5 5 4	
ISTA	08	0740	0750		S13	W64	.917	9004	3.5	10	-N							
CAPS	08	0742	0750		S18	W65	.931	9004	3.4	8	-N	3						
CAPE	08	0743	0752	0745	S17	W66	.935	9004	3.4	9	-N							
CRON	08	0744	0754U		S19	W67	.944	9004	3.3	10U	-F							
CATA	08	0750	0805	0750	S15	W65	.926	9004	3.5	15	-N				.29			191



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 OCT																	
LOCK	09	1642	1657	1647	N10	W52	.783	9021	5.8	15	-F	C	1647	.40	.60		10	H
LOCK	09	1751	1757	1754	S16	W83	.996	9004	3.5	6	-F	C	1754	.10	.30		10	
BOUL	09	1854	1905	1856	S23	E90	1.001	9023	16.5	11	-N	C		.30	1.20			I
HALE	09	1937	1954	1937	N12	W52	.784	9011	5.9	17	-N	1 C	1937	.10	.20			
BOUL	09	1940U	2022	1959U	S23	E90	1.001	9023	16.6	42U	-N	C		.30	1.20			I
HALE	09	1943	1949	1943	N13	W45	.705	9011	6.4	6	-N	1 C	1943	.10	.11			
GRP 9533	09	2042	2055	2046	S23	W87	1.000	9004	3.3	13	-F	C		.25				2 2 2
HOUS	09	2036	2053	2039	S15	W85	.998	9004	3.5	17	-F	C		.20	.70		100	
HOUS	09	2036	2044	2041	S27	W81	.996	9004	3.8	8	-F	C		.10	.30		100	
BOUL	09	2047	2056	2051	S24	W90	1.001	9004	3.1	9	-N	C		.20	.80			I
GRP 9534	09	2053	2111	2056	N15	W51	.775	9021	6.0	18	-B	C		.69				2 2 1
SACP	09	2052	2102	2055	N24	W47	.748	9021	6.3	10	-F	1 C		.39	.49			
HALE	09	2054	2111	2055	N12	W52	.784	9021	6.0	17	-B	1 C	2055	.10	.20			
SACP	09	2054	2111	2056	N11	W54	.804	9021	5.8	17	-N	C		.30	.39			
GRP 9535	09	2238	2248	2241	S18	W87	1.000	9004	3.4	10	-F	C		.35				2 2 2
LOCK	09	2237D	2248	2240	S17	W83	.996	9004	3.7	11D	-F	C	2240	.40	1.40		10	H
HOUS	09	2238	2247	2242	S19	W90	1.001	9004	3.2	9	-F	C		.30	1.20		100	
GRP 9536	09	2244	2258	2249	N14	E17	.316	9018	11.2	14	-F	C		.29				3 3 3
LOCK	09	2244	2257	2249	N15	E17	.323	9018	11.2	13	-F	C	2249	.40	.40		10	
HOUS	09	2244	2302	2248	N14	E16	.301	9018	11.1	18	-N	C		.20	.20		200	
MANI	09	2245	2255	2249	N14	E19	.346	9018	11.4	10	-F	2	2249	.26	.28			
GRP 9537	10	0108	0116	0111	N14	E15	.287	9018	11.2	8	-F	1 C	0111	.54	.50			2 2 2
HALE	10	0108	0115	0111	N14	E14	.272	9018	11.1	7	-F	1 C	0111	.46	.50			JT
MANI	10	0112E	0116D		N14	E16	.302	9018	11.3	4D	-F	2	0114	.62	.64			
HALE	10	0117	0121	0117	N25	W48	.761	9026	6.5	4	-F	1 C	0117	.15	.20			
CRON	10	0117E	0128	0121	S15	W90	1.000	9004	3.3	11D	-F	C		.20	.80			I
CRON	10	0130	0145	0132	S15	W90	1.000	9004	3.3	15	-F	C		.20	.80			I
HALE	10	0159	0216	0201	N12	W57	.834	9011	5.8	17	-F	1 C	0201	.62	1.10			T
CRON	10	0210	0218	0214	S24	W80	.994	9017	4.1	8	-F	C		.10	.30			
CATA	10	0705	0730	0710	N15	E12	.254	9018	11.2	25	-F	C	0710	.27	.28		137	
CATA	10	0715	0750	0720	N14	W59	.852	9011	5.9	35	-N	C	0720	.39	.76		170	
CRON	10	0800	0814	0802	S15	W90	1.000	9004	3.6	14	-F	C		.20	.80			I
GRP 9546	10	0806	0833		N15	W59	.853	9021	5.9	27	-N	C		.52				2 2 1
MONT	10	0801E	0830		N10	W60	.861	9021	5.8	29D	-N	C	0801	.52				
ISTA	10	0810	0835		N14	W60	.861	9021	5.8	25	1N	C						
ISTA	10	0810	0835		N24	W55	.825	9021	6.2	25	-N	C						
GRP 9547	10	1105	1125	1110	N23	W57	.841	9005	6.2	20	-N	C		.51				2 2 2
MONT	10	1105	1129	1110	N23	W56	.832	9005	6.3	24	-N	C	1110	.52				
CAPS	10	1109E	1121		N22	W57	.840	9005	6.2	12D	-N	3 C	1110	.50	.90		160	
CATA	10	1215	1324	1225	N16	W62	.878	9011	5.9	69	-B	C	1225	.78				227
CATA	10	1420	1440	1425	N16	W62	.878	9011	5.9	20	-N	C	1425	.64				162
GRP 9550	10	1539	1546	1541	N13	W63	.886	9011	5.9	7	-F	C		.25				2 2 2
CANA	10	1538	1545	1540	N14	W63	.886	9011	5.9	7	-F	C		.20	.40			
HOUS	10	1540	1546	1541	N12	W63	.886	9011	5.9	6	-N	C		.30	.60		200	
GRP 9551	10	1612	1629	1619	N14	W66	.908	9011	5.7	17	-N	C		.35				3 3 3
SACP	10	1610	1633	1615	N13	W63	.886	9011	5.9	23	-N	C		.50	.77			
HUAN	10	1612	1625		N13	W66	.908	9011	5.7	13	-F	2 C	1615	.25	.40			D
HOUS	10	1613	1629	1623	N15	W69	.928	9011	5.5	16	-N	C		.30	.70		200	
GRP 9552	10	1829	1851	1833	N13	W65	.901	9011	5.9	22	-N	C		.76				4 4 4
LOCK	10	1826	1841	1830	N14	W66	.908	9011	5.8	15	-F	1 C	1830	.50	1.10		10	
HALE	10	1830	1848	1831	N10	W60	.861	9011	6.3	18	-N	1 C	1831	.31	.60			TVW
SACP	10	1830	1904	1836	N13	W65	.901	9011	5.9	34	-N	C		1.08	1.75			
HUAN	10	1831	1851	1833	N13	W67	.915	9011	5.7	20	-N	2 C	1833	1.13	1.84			

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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 PAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
	1967 OCT																	
GRP 9553	10	2013	2019	2015	N14	W66	.908	9011	5.9	6	-N							2 2 2
HOUS	10	2013	2018	2014	N13	W69	.928	9011	5.7	5	-N							200
HALE	10	2013	2020	2015	N14	W62	.878	9011	6.2	7	-N	1	C	2015	.33 .30 .36	.70 .80		T
HOUS	10	2118	2132	2121	N13	W69	.928	9011	5.7	14	-F		C		.40	.90		100
LOCK	10	2215	2230	2220	N14	W66	.908	9011	6.0	15	-F		C	2220	.80	1.70		10
GRP 9556	11	0107	0121	0111	S28	E76	.987	9023	16.7	14	-F				.26			2 2 2
HALE	11	0104	0124	0109	S27	E74	.981	9023	16.6	20	-N	1	C	0109	.31 .20	.70		
CRON	11	0109	0118	0112	S29	E78	.992	9023	16.9	9	-F		C		.20			
HALE	11	0118	0145	0127	N15	E01	.154	9018	11.1	27	-N	2	C	0127	.72	.72		FJLT
HALE	11	0157	0224	0201	N13	W35	.576	9013	8.5	27	-N	2	C	0201	.72	.90		FGJ
CRON	11	0521	0525	0523	S29	E78	.992	9023	17.1	4	-F		C		.20	.60		
CRON	11	0600	0612	0606	N14	W01	.137	9018	11.2	12	-F		C		.20	.20		
GRP 9561	11	0734	0833	0748	N15	W04	.168	9018	11.0	59	-F				.21			2 2 2
CATA	11	0725	0850	0750	N14	W03	.146	9018	11.1	85	-F			0750	.21 .20	.21 .20		143
CRON	11	0743	0815	0746	N15	W04	.168	9018	11.0	32	-F		C		.20	.20		
CRON	11	0747	0755	0750	N14	W75	.961	9011	5.7	8	-N		C		.40	1.10		
GRP 9563	11	1003	1023	1012	N15	W05	.175	9018	11.0	20	-N				.66			5 5 5
SALO	11	1000	1015		N12	W07	.157	9018	10.9	15	-N		V	1010	.83	.90		1.60
ARCE	11	1000E	1020E		N15	W06	.184	9018	11.0	20D	-N		C	1015	.63	.60		
CANA	11	1005	1030	1008	N17	W03	.195	9018	11.2	25	-F		C		.60	.60		HI
CATA	11	1005	1035	1010	N19	W04	.232	9018	11.1	30	-N			1010	.44	.46		158
CATA	11	1010	1030	1015	N15	W05	.175	9018	11.0	20	-N			1015	.66	.67		151
ATHN	11	1013E	1022D	1014	N13	W03	.130	9018	11.2	9D	-N	2		1014	.56	.60		
CANA	11	1046	1049	1047	N15	W03	.162	9018	11.2	3	-F		C		.20	.20		
GRP 9565	11	1053	1058	1055	N15	W80	.981	9011	5.5	5	-F				.24			2 2 2
CAPS	11	1053E	1057		N11	W78	.975	9011	5.6	4D	-F	1		1053	.30			155
ATHN	11	1055E	1059D	1055	N18	W81	.983	9011	5.4	4D	-N	2		1055	.17			
CANA	11	1123	1130	1124	N16	W06	.199	9018	11.0	7	-F		C		.20	.20		
GRP 9567	11	1133	1144	1137	N14	W05	.161	9018	11.1	11	-F				.29			3 3 3
CANA	11	1131	1145	1135	N15	W06	.184	9018	11.0	14	-F		C		.30	.30		I
HUAN	11	1135	1142	1137	N14	W06	.170	9018	11.0	7	-F	2	C	1137	.25	.25		D
ATHN	11	1138E	1146	1138	N13	W04	.137	9018	11.2	8D	-N	2		1138	.33	.30		
GRP 9568	11	1158	1205	1159	N15	W06	.184	9018	11.0	7	-N				.39			3 3 3
CANA	11	1156	1204	1158	N15	W06	.184	9018	11.0	8	-F		C		.30	.30		I
MONT	11	1159	1205		N16	W05	.191	9018	11.1	6	-N		C	1201	.21			
HUAN	11	1159	1205	1200	N14	W07	.181	9018	11.0	6	-N	2	C	1200	.67	.67		E
GRP 9569	11	1207	1224	1214	N15	W07	.194	9018	11.0	17	-F				.29			3 3 3
CATA	11	1205	1230	1215	N15	W08	.205	9018	10.9	25	-N			1215	.31	.32		168
CANA	11	1206	1217	1209	N15	W07	.194	9018	11.0	11	-F		C		.20	.20		I
HUAN	11	1209	1226	1213	N14	W07	.181	9018	11.0	17	-F	2	C	1213	.25	.25		D
CANA	11	1211	1215	1213	N17	W07	.222	9018	11.0	4	-F		C		.30	.30		I
HOUS	11	1340E	1349	1344	N13	W81	.984	9011	5.5	9D	-F		C		.30	1.00		100
GRP 9571	11	1345	1419	1353	N16	W02	.174	9018	11.4	34	-F				.82			4 4 4
CATA	11	1245	1340	1315	N18	W05	.221	9018	11.2	55	-N			1315	.62	.64		158
MONT	11	1254E	1400		N17	W06	.213	9018	11.1	66D	1F		C	1254	2.06			
CANA	11	1344	1400	1348	N16	E02	.174	9018	11.7	16	-F		C		.30	.30		I
CATA	11	1345	1425	1400	N16	W03	.178	9018	11.3	40	-F			1400	.59	.60		140
HUAN	11	1349	1419	1352	N16	E01	.172	9018	11.7	30	-F	2	C	1352	.31	.31		D
CANA	11	1411	1430	1416	N11	W03	.099	9018	11.4	19	-F		C		.50	.50		I
CANA	11	1511	1521	1514	N17	W08	.231	9018	11.0	10	-F		C		.20	.20		I
BOUL	11	1518E	1543	1521	N12	E90	1.000	9028	18.4	25D	-N		C		.30	1.20		
BOUL	11	1548	1552D	1551	S21	W90	1.001	9006	4.9	4D	-N		C		.20	.80		
GRP 9575	11	1650	1700	1652	N15	W08	.205	9018	11.1	10	-N				.88			4 4 4
CANA	11	1648	1653	1650	N15	W07	.194	9018	11.2	5	-F		C		.60	.60		I
HALE	11	1651	1658	1652	N15	W08	.205	9018	11.1	7	-B	2	C	1652	.52	.52		JLV
SACP	11	1651	1702	1654	N15	W08	.205	9018	11.1	11	-N		C		1.28	1.26		
HUAN	11	1651	1707	1652	N15	W07	.194	9018	11.2	16	-F	1	C	1652	1.13	1.13		E

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	
GRP 9576	1967 OCT 11	1659	1737	1707	N18	W11	.275	9018	10.9	38	-N							3 2 2
HALE	11	1657	1740	1705	N18	W13	.298	9018	10.7	43	-B	2	C	1705	.21	.22		T
LOCK	11	1700	1720	1708	N19	W12	.298	9018	10.8	20	-F		C	1708	.30	.30		
SACP	11	1726	1751	1732	N18	W08	.245	9018	11.1	25	-F		C		.30	.29		10
BOUL	11	1726U	1737	1731U	N10	E90	1.000	9028	18.5	11U	-N		C		.30	1.20		
HALE	11	1831	1848	1832	N14	E51	.774	9020	15.6	17	-N	1	C	1832	.52	.80		GJLV
HALE	11	1903	1930	1909	N11	W77	.971	9011	6.0	27	-B	1	C	1909	.41			FQJK
BOUL	11	2000	2017	2002	N13	E90	1.000	9025	18.6	17	-N		C		.30	1.20		I
GRP 9581	11	2028	2055	2031	N18	W10	.264	9018	11.1	27	-F				.39			4 4 4
LOCK	11	2026	2050	2031	N18	W10	.264	9018	11.1	24	-F		C	2031	.40	.40		
HALE	11	2027	2053	2030	N18	W10	.264	9018	11.1	26	-B	1	C	2030	.31	.32		T
HUAN	11	2028	2057		N18	W10	.264	9018	11.1	29	-F	1	C	2045	.45	.45		E
SACP	11	2029	2058	2031	N18	W10	.264	9018	11.1	29	-F		C		.39	.39		
GRP 9582	11	2157	2216	2201	N11	W46	.716	9013	8.5	19	-N				.56			3 3 3
HUAN	11	2156	2211	2159	N12	W47	.728	9013	8.4	15	-F	2	C	2159	.41	.41		E
SACP	11	2157	2214	2202	N11	W45	.704	9013	8.5	17	-B		C		.60	.70		
HALE	11	2157	2224	2203	N10	W46	.715	9013	8.5	27	-F	1	C	2203	.67	1.00		FQJKL
HALE	11	2200	2230	2207	N13	W80	.981	9011	5.9	30	-N	1	C	2207	.21			GJ
CRON	12	0046	0108	0050	N16	W90	1.000	9005	5.3	22	-F		C		.20	.80		
MANI	12	0047	0107	0050	N16	W10	.241	9018	11.3	20	-F	2		0050	.41	.42		E
CRON	12	0118	0128	0121	S40	E90	1.002	9023	18.8	10	-F		C		.30	1.20		
HALE	12	0222	0253	0226	N16	W12	.265	9018	11.2	31	-N	1	C	0226	.36	.40		
CRON	12	0252	0310	0256	N15	W85	.994	9011	5.7	18	-F		C		.20	.70		
ATHN	12	0528E	0600D	0531	N25	W40	.678	9015	9.2	32D	-N	2		0531	.99	1.10		
GRP 9590	12	0703	0740	0713	N11	W50	.762	9013	8.5	37	-F				.47			2 2 2
CAPE	12	0703	0740	0713	N10	W50	.762	9013	8.5	37	-N		C	0713	.58	.90		F
CATA	12	0720	0740	0725	N11	W49	.751	9013	8.6	20	-F		C	0725	.35	.54		146
ATHN	12	0745E	0805D	0745	N21	W40	.662	9015	9.3	20D	-N	2		0745	.66	.80		
GRP 9592	12	0828	0851	0835	N24	W83	.988	9005	6.1	23	-F				.30			1 1 1
CRON	12	0828	0851	0835	N24	W83	.988	9005	6.1	23	-F		C		.30	1.00		K
CRON	12	0828	0851	0840	N24	W83	.988	9005	6.1	23	-F		C					
GRP 9593	12	0850	0910	0851	N16	W49	.754	9013	8.7	20	-N				.56			3 3 2
ATHN	12	0850E	0859D	0852	N15	W50	.764	9013	8.6	8D	-N	2		0852	.66	1.00		
CATA	12	0850	0900	0850	N14	W54	.805	9013	8.3	10	-N		C	0850	.13	.23		162
ARCE	12	0900E	0920E		N18	W42	.677	9013	9.2	20D	-N		C	0905	.46	.60		E
ARCE	12	0920E	0930E		N24	W82	.986	9005	6.2	10D	-N		P	0920	.25	.90		
GRP 9595	12	1200	1229	1215	N15	W17	.324	9018	11.2	29	-N				2.58			4 4 3
WEND	12	1159	1220		N16	W15	.304	9018	11.4	21	1N		V		3.09			
CATA	12	1200	1250	1215	N16	W17	.332	9018	11.2	50	-N			1215	1.84	1.95		172
CAPS	12	1205E	1222		N13	W18	.326	9018	11.2	17D	1N	3		1213	2.80	2.90		189
HUAN	12	1222E	1225		N15	W16	.310	9018	11.3	3D	-N	1	P	1223	.62	.62		F
GRP 9595	12	1158	1219	1202	N14	W17	.317	9018	11.2	21	-N				1.29			3 3 3
CANA	12	1156	1217	1200	N15	W16	.310	9018	11.3	21	-N		C		.90	.90		EI
CAPE	12	1158	1218	1204	N15	W17	.324	9018	11.2	20	1N		C	1204	2.25	2.40		F
ATHN	12	1200	1222	1203	N13	W18	.326	9018	11.1	22	-N	2		1203	.72	.80		
CATA	12	1305	1340	1310	N20	W44	.706	9015	9.2	35	-N			1310	.42	.61		155
GRP 9597	12	1339	1344	1341	N22	E30	.545	9020	14.8	5	-F				.20			2 2 2
CANA	12	1338	1341	1339	N21	E28	.514	9020	14.7	3	-F		C		.10	.10		
SACP	12	1340	1346	1342	N23	E31	.564	9020	14.9	6	-N		C		.30	.32		
GRP 9598	12	1355	1422	1401	N16	W18	.346	9018	11.2	27	-F				.93			4 4 4
CANA	12	1353	1415	1358	N16	W17	.332	9018	11.3	22	-F		C		.40	.40		I
CAPE	12	1355	1416	1401	N16	W18	.346	9018	11.2	21	1F		C	1401	2.10	2.20		F
CATA	12	1355	1450	1405	N17	W17	.340	9018	11.3	55	-N			1405	.59	.63		153
MCMAN	12	1357	1408	1359	N16	W18	.346	9018	11.2	11	-F		C	1359	.62	.70		E



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
GRP 9618	13	1831	1843	1833	N12	W39	.629	9018	10.8	12	-N						4 4 4		
SACP	13	1830	1836	1833	N11	W39	.627	9018	10.8	6	-N	C		.64					
LOCK	13	1831	1843	1834	N13	W39	.630	9018	10.8	12	-F	C	1834	.83	.91		10		
BOUL	13	1831	1850	1833	N12	W38	.615	9018	10.9	19	-N	C		.40	.80				
HALE	13	1832	1835D	1833	N11	W39	.627	9018	10.8	30	-N	1 P	1833	.40	.50		C		
														.72	.90				
GRP 9618	13	1815	1915	1825	N15	W35	.581	9018	11.1	60	-N			1.15			3 3 3		
HALE	13	1808	1835D		N16	W35	.584	9018	11.1	27D	-N	1 P	1825	.88	1.10		EFZ		
SACP	13	1818U	1840U	1826U	N15	W36	.594	9018	11.1	22U	-F	C		1.57	1.70				
BOUL	13	1820	1915	1824	N15	W35	.581	9018	11.1	55	-N	C		1.00	1.20		E		
GRP 9619	13	1855	1934	1907	N15	W33	.554	9018	11.3	39	-B			1.93			2 2 2		
HUAN	13	1850E	1925D		N15	W33	.554	9018	11.3	35D	-B	1 P	1906	1.50	1.59				
SACP	13	1900	1934U	1907U	N14	W33	.551	9018	11.3	34U	1N	C		2.35	2.50				
GRP 9620	13	1928	1952	1934	S29	E35	.750	9023	16.4	24	-F			.35			2 2 2		
LOCK	13	1928	1950	1935	S29	E35	.750	9023	16.4	22	-F	C	1935	.30	.50		10		
BOUL	13	1931U	1953	1933	S29	E35	.750	9023	16.4	22U	-N	C		.40	.60		E		
MCMA	13	1938E	1948D		N16	W35	.584	9018	11.2	10D	-F	C	1940	.72	.90		EL		
BOUL	13	2106	2121	2109	S08	W08	.278	9022	13.3	15	-F	C		.20	.20				
GRP 9623	13	2125	2139	2131	N15	W41	.659	9018	10.8	14	-N			.43			3 3 3		
LOCK	13	2123	2140	2131	N16	W42	.673	9018	10.7	17	-F	C	2131	.50	.70		10		
BOUL	13	2127	2140	2131	N16	W41	.661	9018	10.8	13	-N	C		.30	.40				
SACP	13	2129E	2136	2130	N14	W41	.657	9018	10.8	7D	-N	C		.50	.56				
GRP 9624	13	2140	2200	2146	N16	E88	.998	9027	20.5	20	-F			.30			2 2 2		
SACP	13	2139	2203	2147U	N17	E85	.994	9027	20.3	24	-F	C		.39					
BOUL	13	2141	2157	2144	N14	E90	1.000	9027	20.7	16	-F	C		.20	.80				
LOCK	13	2153	2207	2158	N16	W35	.584	9018	11.3	14	-F	C	2158	.30	.40		10		
LOCK	13	2352	0006	2357	N14	W42	.670	9018	10.8	14	-F	C	2357	.40	.60		10		
	14	0025	0035	NO FLARE PATROL															
CRON	14	0038	0045	0039	N14	E83	.990	9027	20.3	7	-F	C		.30	1.00				
CRON	14	0139	0156	0143	S11	W82	.993	9014	7.9	17	1N	C		.70	2.40				
CRON	14	0356	0412	0401	N15	W55	.816	9015	10.0	16	-F	C		.40	.70				
GRP 9630	14	0749	0833	0755	N17	W44	.700	9018	11.0	44	-B			.69			4 4 4		
BUCA	14	0725	0740		N17	W45	.711	9018	10.9	15	-F	C	0732	.77	1.10				
CATA	14	0745	1205	0755	N18	W44	.702	9018	11.0	260	-B		0755	.39	.54		209		
CAPS	14	0748	0810		N15	W43	.684	9018	11.1	22	-B	3	0758	1.20	1.70		204 DK		
BUCA	14	0753	0849D		N17	W45	.711	9018	11.0	56D	-N	C	0756	.66	.90				
ARCE	14	0800E	0840E		N17	W45	.711	9018	11.0	40D	-N	C	0800	.50	.70		B		
GRP 9631	14	0822	0834	0823	N15	W44	.696	9018	11.0	12	-N			.34			3 3 2		
ISTA	14	0650	0835		N16	W44	.698	9018	11.0	105	-N								
CAPS	14	0821	0833		N15	W43	.684	9018	11.1	12	-N	3	0824	.50	.70		176 D		
ATHN	14	0822	0834	0823	N15	W45	.708	9018	11.0	12	-N	2	0823	.17	.20				
GRP 9632	14	0853	0913	0900	N17	W50	.767	9018	10.6	20	-N			3.09			5 4 1		
CATA	14	0850	0900	0855	N18	W69	.929	9018	9.2	10	-N			.09			166		
BUCA	14	0854E	0907D		N17	W46	.723	9018	10.9	13D	-N	C	0856	.43	.60				
ATHN	14	0854	0926	0856	N15	W45	.708	9018	11.0	32	-N	2	0856	.33	.50				
WEND	14	0854	0923D		N17	W44	.700	9018	11.1	29D	1N			3.09					
CAPE	14	0908	0910	0909	N17	W47	.734	9018	10.9	2	-N	C	0909	.36	.50		H		
CANA	14	0856	0902U	0859	N44	E39	.778	9025	17.3	6U	-F	C		.40	.60				

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OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH FLAGE REGION	CMP DAY				TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1967																	
	OCT																	
GRP 9634	14	0938	1000	0945	N14	W47	.730	9018	10.9	22	1N						13 13 12	
KHAR	14	0930E	1010D		N16	W47	.733	9018	10.9	40D	1N	P	0950	1.98			EHLO	
WEND	14	0934	1002		N16	W44	.698	9018	11.1	28	1N	V		3.40	4.90	2.40		
ONDR	14	0935E	0946D		N14	W45	.707	9018	11.0	11D	-N	V	0945	4.13		2.10	DH	
CANA	14	0935	0946D	0939	N15	W47	.731	9018	10.9	11D	-N	C		1.10	1.60			
CAPS	14	0936	0958		N12	W46	.717	9018	10.9	22	1B	3	0944	2.20	3.10		204	
ABST	14	0939	1203	0944	N15	W49	.754	9018	10.7	144	1N	C	0944	2.70	4.02		60	
CAPE	14	0939	1001	0945	N14	W47	.730	9018	10.9	22	1N	C	0945	1.97	2.90			
KIEV	14	0940	0950	0944	N15	W49	.754	9018	10.7	10	1N	C	0944	2.06			85	
CATA	14	0940	1000	0945	N15	W47	.731	9018	10.9	20	-B		0945	1.29	1.93		216	
ARCE	14	0943	1002	0946	N15	W48	.743	9018	10.8	19	1N	C	0946	1.94	2.90		H	
SALU	14	0943	0957		N13	W47	.729	9018	10.9	14	-N	V	0945	.83	1.20	1.70		
SALO	14	0943	1040		N15	W48	.743	9018	10.8	57	-N	V	0950	.66	1.00	1.70		
ATHN	14	0944	1004	0946	N12	W47	.728	9018	10.9	20	-N	2	0946	1.16	1.70			
MONI	14	0950E	1000	0950	N14	W49	.753	9018	10.7	10D	1N	C	0950	1.03				
CAPE	14	1115	1121	1115	N17	W45	.711	9018	11.1	6	-N	C	1115	.67	1.00			
GRP 9635	14	1225	1306	1232	N16	W44	.698	9018	11.2	41	1N			3.11			8 7 7	
CANA	14	1225	1245	1227	N16	W46	.721	9018	11.1	20	1N	C		1.80	2.60			
ATHN	14	1225	1251	1231	N14	W45	.707	9018	11.1	26	1N	2	1231	2.97	4.30			
CATA	14	1225	1300	1235	N16	W45	.710	9018	11.1	35	1B		1235	2.01	2.96		218	
CAPE	14	1226	1310	1231	N16	W45	.710	9018	11.1	44	1N	C	1231	3.14	4.50		FVH	
WEND	14	1226	1312	1234	N17	W43	.688	9018	11.3	46	2N	V		6.19				
CAPS	14	1229E	1325		N15	W45	.708	9018	11.1	56D	2N	3	1244	3.60	5.10		220	
HUAN	14	1233E	1318		N16	W46	.721	9018	11.1	45D	1N	2	1234	2.06	2.44		HJ	
MONI	14	1250E	1254D		N17	W38	.626	9018	11.7	4D	1N	C	1250	1.24			H	
GRP 9636	14	1300	1408	1346	S23	E53	.860	9029	18.5	68	-N			.50			4 4 4	
CATA	14	1242	1440	1250	S24	E53	.863	9029	18.5	118	-N		1250	.25	.51		151	
HUAN	14	1317	1416		S26	E52	.863	9029	18.5	59	-F	1	1347	.25	.36		DH	
CAPS	14	1344	1410D		S21	E51	.837	9029	18.4	26D	-N	3	1355	.50	.90		165	
ATHN	14	1346E	1358	1346	S22	E55	.872	9029	18.7	12D	-N	2	1346	.99	1.60		D	
GRP 9637	14	1350	1403	1352	N16	W48	.744	9018	11.0	13	-N			.59			3 3 3	
CAPE	14	1329	1407	1351	N17	W49	.756	9018	10.9	38	-N	C	1351	.54	.80			
HUAN	14	1349	1401	1352	N16	W47	.733	9018	11.1	12	-N	2	1352	.25	.31		DH	
ATHN	14	1350	1401	1352	N14	W49	.753	9018	10.9	11	-N	2	1352	.99	1.40			
HUAN	14	1418	1424	1419	N16	W49	.755	9018	10.9	6	-N	1	C	1419	.25	.31		D
HUAN	14	1437	1444D		N16	W51	.776	9018	10.8	7D	-F	1	P	1444	.45	.57		E
HUAN	14	1454	1506		N16	W51	.776	9018	10.8	12	-F	1	C	1456	.21	.26		D
GRP 9641	14	1524	1653	1603	N16	W50	.766	9018	10.9	89	-N			.55			3 2 2	
SACP	14	1524	1653	1526U	N16	W49	.755	9018	11.0	89	-N	C		.60	.74			
HUAN	14	1525E	1526D		N15	W50	.765	9018	10.9	1D	-N	1	P	1525	.50	.62		CE
LOCK	14	1637	1650	1640	N17	W50	.767	9018	10.9	13	-F	C	1640	.30	1.00		10	
GRP 9642	14	1542	1608	1556	S23	E50	.837	9029	18.4	26	-F			.45			2 2 2	
SACP	14	1542	1608	1556	S25	E50	.845	9029	18.4	26	-F	C		.39	.55			
CAPS	14	1545E	1600D		S21	E50	.829	9029	18.4	15D	-N	3	1547	.50	.90		170	
MCMA	14	1710E	1733	1721	S26	E50	.849	9029	18.5	23D	-N	C	1721	.26	.50		D	
GRP 9644	14	1724	1746	1731	N17	W49	.756	9018	11.1	22	-N			.38			4 4 4	
HALE	14	1717	1754	1732	N17	W49	.756	9018	11.0	37	-B	2	C	1732	.31	.50		
LOCK	14	1725	1740	1730	N17	W50	.767	9018	11.0	15	-F	C	1730	.30	1.00		10	
MCMA	14	1725	1755D	1733	N17	W50	.767	9018	11.0	30D	-B	C	1733	.52	.80		EH	
CANA	14	1727	1734	1729	N17	W48	.745	9018	11.1	7	-N	C		.40	.60			
MCMA	14	1746	1800	1750	S26	E50	.849	9029	18.5	14	-F	C	1750	.26	.50		D	
GRP 9645	14	1758	1811	1803	N15	W65	.901	9018	9.9	13	-F			.22			3 3 3	
MCMA	14	1757	1812	1803	N16	W63	.887	9018	10.0	15	-F	C	1803	.26	.50		D	
LOCK	14	1758	1812	1803	N13	W65	.901	9018	9.9	14	-F	C	1803	.20	.40		10	
HALE	14	1758	1810	1802	N16	W66	.909	9018	9.8	12	-F	2	C	1802	.21			C
GRP 9645	14	1801	1829	1808	N17	W50	.767	9018	11.0	28	-N			.26			2 2 2	
MCMA	14	1800	1834	1804	N17	W50	.767	9018	11.0	34	-N	C	1804	.31	.50		DHK	
HALE	14	1801	1824	1812	N17	W50	.767	9018	11.0	23	-N	2	C	1812	.21	.30		
HALE	14	1840	1854	1845	N18	W51	.779	9018	11.0	14	-F	1	C	1845	.21	.30		
GRP 9645	14	1851	1905	1859	S27	E50	.853	9029	18.5	14	-N			.34			2 2 2	
MCMA	14	1848	1905	1855	S26	E50	.849	9029	18.5	17	-N	C	1855	.36	.70		E	
HALE	14	1853	1905	1902	S27	E50	.853	9029	18.5	12	-N	1	C	1902	.31	.60		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hz	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 OCT																	
GRP 9649	14	1924	1958	1936	N17	W49	.756	9018	11.1	34	-N							
MCMAN	14	1920	1942D		N17	W51	.777	9018	11.0	22D	-B							
HALE	14	1924	1959	1936	N16	W49	.755	9018	11.1	35	-N	1	P	1934	1.09			3 3 3
LOCK	14	1929	1957	1935	N17	W48	.745	9018	11.2	28	-F		C	1936	1.24	1.30		F
													C	1935	1.20	1.80		
GRP 9650	14	2017	2041	2020	N16	W51	.776	9018	11.0	24	-N							
LOCK	14	2017	2030	2020	N17	W52	.788	9018	10.9	13	-F		C	2020	.20	.30		
MCMAN	14	2026E	2037D		N17	W51	.777	9018	11.0	11D	-B		C					
SACP	14	2037E	2056D	2052	N15	W51	.775	9018	11.0	19D	-N		C		.99	1.26		
MCMAN	14	2026E	2037D		S26	W90	1.001	9014	8.1	11D	-N		P					
LOCK	14	2058	2105	2100	N16	W55	.817	9018	10.7	7	-F		C	2100	.30	.50		
GRP 9653	14	2117	2230	2155	N17	W49	.756	9018	11.2	73	1N							
SACP	14	2117	2230	2159	N17	W51	.777	9018	11.1	73	1B		C		1.77			
LOCK	14	2122	2220	2132	N17	W46	.723	9018	11.4	58	-F		C	2132	2.66	3.41		
HALE	14	2148E	2158D	2150U	N17	W49	.756	9018	11.2	10D	1B	1	P	2150	.90	1.40		
SACP	14	2226	2312	2234	N15	E70	.935	9027	20.2	46	-F		C		1.75	2.70		
LOCK	14	2234	2244	2237	N16	W56	.826	9018	10.7	10	-F		C	2237	.59	1.08		
SACP	14	2308	2352	2323	N19	W71	.940	9015	9.6	44	-F		C		.40	.70		
LOCK	15	0012	0022	0015	N16	W52	.787	9018	11.1	10	-F		C	0015	.30	.50		
GRP 9658	15	0025	0034	0028	S24	W87	1.000	9014	8.5	9	-F							
LOCK	15	0020	0030D	0025	S24	W83	.998	9014	8.8	10D	-F		C	0025	.30	1.00		
CRON	15	0029	0034	0031	S23	W90	1.001	9014	8.3	5	-N		C		.30	1.20		
HALE	15	0337	0348	0338	S22	E46	.798	9029	18.6	11	-F	1	C	0338	.31	.50		
CRON	15	0400	0435	0405	S23	W90	1.001	9014	8.4	35	-F		C		.20	.80		
CRON	15	0535	0544	0537	N23	W67	.917	9018	10.2	9	-F		C		.30	.70		
GRP 9662	15	0644	0950	0651	N16	W62	.879	9018	10.6	186	-F							
ABSI	15	0644	0950	0651	N16	W55	.817	9018	11.2	186	1F		C	0651	1.45	3.10		
ATHN	15	0647E	0710D	0650	N16	W58	.845	9018	10.9	23D	-N	2		0650	1.80	1.90		56
CATA	15	0820	0830	0820	N17	W55	.818	9018	11.2	10	-N		C	0820	1.09	1.90		178
CRON	15	0838	0852	0842	N14	W80	.981	9018	9.4	14	-F		C		.13	.24		
CRON	15	0809	0820	0813	S23	W90	1.001	9014	8.6	11	-F		C		.30	.90		
CRON	15	0833	0847	0836	N18	W08	.249	9020	14.8	14	-F		C		.20	.20		
GRP 9665	15	0954	1018	0956	N16	W57	.836	9018	11.1	24	-F							
CATA	15	0950	1045	0955	N18	W56	.828	9018	11.2	55	-F		C	0955	.71	.74		
CANA	15	0951	1015	0955	N16	W57	.836	9018	11.1	24	-F		C		.39	1.10		148
ATHN	15	0954	1010D	0958	N16	W56	.826	9018	11.2	16D	-N	2		0958	.60	1.20		
ONDR	15	0955E	1007		N14	W57	.835	9018	11.1	12D	-F		V	0956	.83	1.20		
CAPS	15	1000	1015		N16	W57	.836	9018	11.1	15	-F	2		1005	1.00	1.80	1.60	
CRON	15	0809	0820	0813	S23	W90	1.001	9014	8.6	11	-F		C		.20	.80		
CRON	15	0833	0847	0836	N18	W08	.249	9020	14.8	14	-F		C		.20	.20		
GRP 9666	15	1010	1033	1010	N16	W58	.845	9018	11.1	23	-N							
MONI	15	1009	1020	1010	N15	W58	.844	9018	11.1	11	-N		C	1010	.63			
CATA	15	1010	1045	1010	N17	W57	.836	9018	11.1	35	-N		C	1010	1.03	.44		
CATA	15	1205	1225	1205	N19	W59	.855	9018	11.1	20	-F			1205	.23	.44		
CATA	15	1325	1340	1330	S24	E40	.756	9029	18.6	15	-N			1205	.07	.16		
CATA	15	1325	1340	1330	S24	E40	.756	9029	18.6	15	-N			1330	.07	.12		
GRP 9669	15	1340	1357	1341	S27	E21	.625	9023	17.1	17	-N							
ATHN	15	1340	1354	1342	S27	E22	.632	9023	17.2	14	-N		2	1342	.66	.90		
CATA	15	1340	1400	1340	S26	E20	.606	9023	17.1	20	-N			1340	.11	.15		
CANA	15	1407	1415	1409	N17	W82	.987	9015	9.4	8	-F		C		.20	.70		
GRP 9671	15	1627	1652	1631	N16	W59	.854	9018	11.3	25	-N							
CANA	15	1626	1700	1627	N16	W59	.854	9018	11.3	34	-N		C		.69			
LOCK	15	1627	1648	1631	N17	W60	.863	9018	11.2	21	-N		C	1631	.90	1.70		
SACP	15	1628	1656	1636	N16	W59	.854	9018	11.3	28	-N		C		.60	1.20		
HALE	15	1630E	1645	1631	N16	W57	.836	9018	11.4	15D	-N	1	P	1631	.89	1.29		
GRP 9672	15	1904	1916	1907	S26	E16	.580	9023	17.0	12	-F							
LOCK	15	1903	1917	1907	S27	E15	.587	9023	16.9	14	-F		C	1907	.87	.70		
HALE	15	1904	1913	1907	S26	E17	.586	9023	17.1	9	-F	1	C	1907	.60	1.00		
SACP	15	1904	1917	1907U	S26	E17	.586	9023	17.1	13	-N		C		.83	1.28		
															1.19	1.28		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
CRON	16	0305	0311	0308	S24	E04	.501	9023	16.4	6	-F	C		.20	.20		H		
CRON	16	0340	0355	0345	S26	E06	.535	9023	16.6	15	-F	C		.10	.10		H		
CRON	16	0344	0357	0348	N16	E44	.698	9027	19.5	13	-F	C		.20	.30		L		
CRON	16	0459	0508	0500	S25	E03	.514	9023	16.4	9	-F	C		.10	.10		H		
GRP 9677	16	0529	0543	0533	S25	E05	.518	9023	16.6	14	-F			.43			2 2 2		
CRON	16	0529	0545	0533	S25	E03	.514	9023	16.5	16	-F	C		.20	.20		H		
ATHN	16	0532E	0540	0532	S25	E06	.520	9023	16.7	8D	-N	2	0532	.66	.80				
ATHN	16	0615E	0626	0615	S25	E06	.520	9023	16.7	11D	-N	2	0615	.66	.80				
CRON	16	0705	0723	0708	S26	E03	.529	9023	16.5	18	-F	C		.20	.20				
GRP 9680	16	0731	0816	0735	S18	E24	.553	9028	18.1	45	-N			1.32			2 2 1		
ATHN	16	0731	0747	0735	S18	E24	.553	9028	18.1	16	-N	2	0735	1.32	1.60				
ISTA	16	0745E	0844		S17	E23	.533	9028	18.0	59D	-N								
GRP 9681	16	0747	0802	0751	S25	E03	.514	9023	16.5	15	-F			.20			2 2 1		
ISTA	16	0745E	0914		S23	E03	.484	9023	16.5	89D	-F								
CRON	16	0748	0756	0751	S25	E02	.513	9023	16.5	8	-F	C		.20	.20		H		
ISTA	16	0804	0808		S24	E04	.501	9023	16.6	4	-F								
ISTA	16	0827	0841		S25	E03	.514	9023	16.6	14	-F								
ISTA	16	0907E	1001		N18	W08	.250	9020	15.8	54D	-B								
CANA	16	0932	0945	0934	N17	W73	.951	9018	10.9	13	-N	C		.60	1.50				
CANA	16	1012	1015D	1013U	N13	E53	.795	9027	20.4	3D	-F	C		.40	.70				
ATHN	16	1016	1025	1018	S05	E55	.829	9031	20.6	9	-N	2	1018	.66	1.20				
GRP 9686	16	1028	1049	1037	S25	E04	.516	9023	16.7	21	-N			.77			4 4 3		
KHAR	16	1025E	1058D		S23	E03	.484	9023	16.7	33D	1F	V	1043			1.60			
CATA	16	1030	1055	1040	S25	E03	.514	9023	16.7	25	-B		1040	.37	.43		214		
CANA	16	1034E	1039	1034U	S25	E03	.514	9023	16.7	5D	-N	C		.30	.40				
ATHN	16	1036E	1045	1036	S25	E05	.518	9023	16.8	9D	-N	2	1036	1.65	1.90				
CATA	16	1105	1135	1115	S25	E03	.514	9023	16.7	30	-N		1115	.42	.51		178		
ATHN	16	1143E	1152	1143	N25	E43	.712	9027	19.7	9D	-N	2	1143	.99	1.30				
GRP 9689	16	1146	1205	1151	S25	E01	.512	9023	16.6	19	-N			1.01			4 4 4		
ATHN	16	1143	1200	1146	S25	E05	.518	9023	16.9	17	-N	2	1146	1.65	1.90				
MONT	16	1145	1201D		S27	W04	.545	9023	16.2	16D	-N			1.03					
CAPS	16	1145	1205		S23	E00	.482	9023	16.5	20	-F	3	1155	.80	1.00		158		
CATA	16	1150	1215	1155	S25	E03	.514	9023	16.7	25	-N		1155	.55	.65		166		
GRP 9690	16	1214	1224	1214	S24	E02	.498	9023	16.7	10	-N			.91			2 2 2		
ATHN	16	1214E	1222	1214	S25	E05	.518	9023	16.9	8D	-N	2	1214	1.32	1.60				
CAPS	16	1217E	1225D		S23	W01	.482	9023	16.4	8D	-N	3	1217	.50	.60		160		
ATHN	16	1228E	1239	1228	S30	E30	.718	9028	18.8	11D	-N	2	1228	.99	1.50				
GRP 9692	16	1404	1432	1426	S26	E01	.527	9023	16.7	28	-F			.43			2 2 2		
SACP	16	1404	1430	1426	S26	E00	.527	9023	16.6	26	-F	C		.20	.21				
ATHN	16	1425	1433	1425	S25	E01	.512	9023	16.7	8	-N	2	1425	.66	.80				
SACP	16	1442	1450	1445	N18	W76	.966	9018	10.9	8	-F	C		.89	1.95				
HUAN	16	1449	1502		S26	E00	.527	9023	16.6	13	-F	1	C	1451	.21	.21		D	
GRP 9695	16	1756	1830	1802	N18	W80	.981	9018	10.7	34	-F			.47			2 2 2		
SACP	16	1750	1849	1801	N17	W79	.977	9018	10.8	59	-F	C		.48	1.20				
HALE	16	1802	1810	1803	N18	W80	.981	9018	10.8	8	-N	1	C	1803	.46			GU	
LOCK	16	2006	2014	2009	N15	W83	.990	9018	10.6	8	-F	C	2009	.10	.30		10		
BOUL	16	2115	2125	2119	N10	E90	1.000	9034	23.6	10	-F	C		.20	.80				
GRP 9698	16	2121	2133	2125	N16	W81	.984	9018	10.8	12	-N			.20			3 3 3		
LOCK	16	2120	2131	2126	N15	W79	.978	9018	11.0	11	-F	C	2126	.30	.90		10		
HALE	16	2122	2132	2123	N17	W77	.970	9018	11.1	10	-B	1	C	2123	.21			V	
LOCK	16	2125	2133	2128	N15	W83	.990	9018	10.7	8	-F	C	2125	.10	.30		10		
BOUL	16	2127E	2130U	2127U	N16	W85	.994	9018	10.5	3U	-F	C		.10	.30				
CRON	17	0128	0138	0132	N15	W85	.992	9018	10.7	10	-F	C		.20	.70				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>g</sub>	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
GRP 9700	17	0304	0322	0309	N18	W84	.989	9018	10.8	18	-N		.46						
CRON	17	0257	0325	0304	N19	W85	.991	9018	10.7	28	-N	C	.50	1.70			2 2 2		
CRON	17	0257	0325	0310	N19	W85	.991	9018	10.7	28	-N	C	.50	1.70			K		
HALE	17	0311	0318	0313	N17	W83	.987	9018	10.9	7	-N	1 C	.41				J		
CRON	17	0440	0505	0443	N18	W85	.992	9018	10.8	25	-N	C	.50	1.70					
ATHN	17	0615	0622	0617	N14	E41	.649	9027	20.3	7	-N	2	0617	.66	.90				
GRP 9703	17	0634	0812	0638	N17	W87	.996	9018	10.7	98	-F		.50				2 2 1		
CRON	17	0634	0648	0638	N18	W85	.992	9018	10.9	14	-F	C	.50	1.70					
ISTA	17	0640E	0812		N16	W88	.997	9018	10.7	92D	-N		.50	1.70					
CRON	17	0828	0850	0834	N18	W85	.992	9018	11.0	22	1F	C	1.40	4.70					
GRP 9705	17	0948	1004	0953	N15	E22	.381	9027	19.1	16	-F		.80				2 2 2		
CANA	17	0948E	1002	0949	N13	E22	.375	9027	19.1	14D	-F	C	.60	.60					
ATHN	17	0955E	1006	0957	N17	E22	.390	9027	19.1	11D	-N	2	0957	.99	1.10				
CATA	17	1015	1020	1015	N16	W90	.999	9018	10.7	5	-N		1015	.09		174			
ATHN	17	1015	1024	1016	N25	E10	.323	9025	18.2	9	-N	2	1016	.66	.80				
GRP 9708	17	1033	1053		S24	W11	.566	9023	16.6	20	-N		.63				4 4 4		
CANA	17	1030	1047	1032	S25	W13	.588	9023	16.5	17	-N	C	.50	.60					
CATA	17	1030	1055	1030	S24	W13	.575	9023	16.5	25	-N		1030	.35	.42	195			
SALO	17	1035	1055		S24	W09	.558	9023	16.8	20	-N	V	1040	1.16	1.30	1.60			
CAPS	17	1036	1054		S23	W10	.548	9023	16.7	18	-B	3	1044	.50	.60	200	E		
ATHN	17	1055	1106	1056	N18	W38	.616	9020	14.6	11	-N	2	1056	.99	1.20				
ATHN	17	1355	1405	1357	N18	E22	.395	9027	19.2	10	-N	2	1357	1.65	1.90				
HUAN	17	1416	1421	1418	N18	W90	.999	9018	10.8	5	-F	1 C	1418	.21			D		
GRP 9712	17	1504	1515	1505	S24	W13	.575	9023	16.7	11	-N		.76				3 3 3		
CANA	17	1459	1508	1500	S24	W15	.586	9023	16.5	9	-N	C	.50	.60					
SACP	17	1503	1515	1504	S24	W13	.575	9023	16.7	12	-N	C	.78	.83					
ATHN	17	1510	1522	1511	S25	W10	.575	9023	16.9	12	-N	2	1511	.99	1.10				
HOUS	17	1739	1758	1745	N18	W90	.999	9018	11.0	19	-F	C	.10	.40		100			
GRP 9714	17	2103	2121	2108	N16	E55	.810	9032	22.0	18	-N		.54				3 3 2		
LOCK	17	2102	2122	2110	N16	E57	.829	9032	22.2	20	-F	C	.30	.50		10			
SACP	17	2103	2123	2108	N17	E54	.800	9032	21.9	20	-N	C	.78	1.06					
HOUS	17	2104	2118	2105	N14	E55	.810	9032	22.0	14	-N	C	.10	.20		200			
HOUS	17	2155	2221	2157	N14	E28	.468	9027	20.0	26	-F	C	.10	.10		100			
GRP 9715	18	0141	0158	0144	N19	W90	.999	9018	11.3	17	-N		.30				1 1 1		
CRON	18	0141	0158	0144	N19	W90	.999	9018	11.3	17	-N	C	.30	1.20			K		
CRON	18	0141	0158	0149	N19	W90	.999	9018	11.3	17	-N	C	.30	1.20					
CRON	18	0245	0255	0247	N19	W90	.999	9018	11.4	10	-F	C	.10	.40					
ISTA	18	0745E	0930D		S17	W06	.398	9028	17.9	105D	-N								
ISTA	18	0855	0905		S25	W21	.600	9023	16.8	10	-B								
ATHN	18	1028	1040	1030	N15	E38	.622	9032	21.3	12	-N	2	1030	.66	.90				
CAPS	18	1100	1127	1112	N19	W90	.999	9018	11.7	27	-B	3							
ATHN	18	1234	1257	1234	N15	E45	.709	9032	21.9	23	-N	2	1234	.99	1.30				
HUAN	18	1250	1303	1253	S23	E08	.496	9028	19.1	13	-F	2 C	1253	.25	.26		D		
CANA	18	1251	1258	1254	N14	W23	.409	9020	16.8	7	-F	C	.30	.30					
CATA	18	1300	1355	1305	N16	E47	.734	9032	22.1	55	-N		1305	.15	.23	157			
HUAN	18	1401	1413		N11	E80	.982	9034	24.6	12	-F	1 C	1404	.21			D		
HUAN	18	1516	1522	1517	N23	W07	.319	9025	18.1	6	-F	2 C	1517	.45	.45		E		
HUAN	18	1523	1529	1524	N17	E44	.701	9032	21.9	6	-F	2 C	1524	.31	.36		DH		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
					LAT.	MER. DIST.														
GRP 9729 LOCK HUAN	18	1536	1545	1538	S23	E06	.489	9028	19.1	9	-F			.33					2 2 2	
	18	1535	1545	1538	S23	E05	.486	9028	19.0	10	-F	C	1538	.40	.50			10	D	
	18	1537	1541D	1538	S23	E07	.492	9028	19.2	4D	-F	2	C	1538	.25	.26				D
HUAN	18	1632	1643		N20	W18	.385	9025	17.3	11	-F	1	C	1635	.21	.21				D
GRP 9731 HUAN HOUS LOCK	18	1702	1732	1709	N20	W18	.385	9025	17.4	30	-F			.15					3 3 3	
	18	1700	1736		N20	W18	.385	9025	17.4	36	-F	1	C	1705	.25	.25				D
	18	1703	1730	1708	N21	W18	.394	9025	17.4	27	-F	C		.10	.10			100		
	18	1703	1730	1709	N20	W17	.373	9025	17.4	27	-F	C	1709	.10	.10			10	L	
CRON	19	0251	0307	0254	N13	E90	1.000	9037	25.9	16	-N	C		.40	1.60					
CRON	19	0652	0711	0657U	N22	W15	.373	9025	18.2	19	-F	C		.70	.80					
ATHN	19	0745E	0808D	0745	N17	E38	.628	9032	22.2	23D	-N	3		0745	.33	.40				
GRP 9735 CAPE ONDR CRON CATA ATHN	19	0758	0817	0803	N10	E64	.895	9034	24.1	19	-N			.38					5 5 4	
	19	0755	0819	0801	N12	E65	.902	9034	24.2	24	-N	C	0801	.27	.60			1.60	CDH	
	19	0755E	0823		N09	E62	.879	9034	24.0	28D	-F	V	0802							
	19	0758	0815	0804	N09	E67	.917	9034	24.4	17	-N	C		.60	1.20					
	19	0800	0810	0805	N10	E64	.895	9034	24.1	10	-F		0805	.31				148		
	19	0800E	0818D	0800	N12	E60	.862	9034	23.8	18D	-N	2		0800	.33	.60				
	19	0845	0854	0849	N17	E38	.628	9032	22.2	9	-F	C		.10	.10				H	
ATHN	19	0855E	0859D	0855	N16	E40	.650	9032	22.4	4D	-N	2		0855	.17	.20				
CAPS	19	0903	0953		N17	E90	1.000	9037	26.1	50	2N	3		0908					132	
CANA	19	0912	0919	0914	N16	E36	.599	9032	22.1	7	-F	C		.30	.40					
GRP 9740 CANA CATA CATA MONT	19	0916	0930	0917	S16	W17	.460	9028	18.1	14	-N			.44					2 2 2	
	19	0912	0920	0914	S17	W17	.472	9028	18.1	8	-N	C		.50	.60					
	19	0920	0940	0920	S15	W17	.448	9028	18.1	20	-N		0920	.37	.42			162		
	19	1010	1020	1010	S14	W16	.426	9028	18.2	10	-F		1010	.13	.15			138		
	19	1105	1115	1110	N10	E62	.879	9034	24.1	10	-N		1110	.31				164		
	19	1355	1450	1406	N17	E31	.536	9032	21.9	55	1F	C	1405	2.06						
GRP 9744 MONT HUAN HUAN LOCK	19	1400	1440	1415	N12	E62	.879	9034	24.2	40	1N			1.03					2 1 1	
	19	1400	1440	1415	N12	E62	.879	9034	24.2	40	1N	C	1415	1.03						D
	19	1427E	1433		N12	E61	.870	9034	24.2	6D	-F	1	P	1428	.21	.31				
	19	1538	1545D		N15	E31	.528	9032	22.0	7D	-F	1	P	1539	.21	.21				DT
LOCK	19	1547	1615	1550	N15	E32	.542	9032	22.1	28	-F	C	1550	.30	.40			10		
GRP 9747 CAPS HUAN LOCK	19	1556	1608	1600	N13	E61	.871	9034	24.2	12	-F			.34					3 3 3	
	19	1555	1600D		N15	E65	.902	9034	24.5	5D	-F	2		1557	.50				158	
	19	1557	1605		N13	E60	.862	9034	24.2	8	-F	1	C	1600	.21	.30				D
	19	1557	1610	1600	N10	E59	.853	9034	24.1	13	-F	C	1600	.30	.50			10		
GRP 9748 CANA HOUS MCMA HOUS HUAN	19	1639	1655	1641	N19	E90	.999	9037	26.4	16	-F			.15					2 2 2	
	19	1637	1655	1640	N18	E90	1.000	9037	26.4	18	-F	C		.20	.80					
	19	1641	1655	1642	N19	E90	.999	9037	26.4	14	-F	C		.10	.40			100		
	19	1710	1745	1720	N12	E58	.844	9034	24.1	35	-F	C	1720	.52	.90					
HOUS	19	1723	1733	1726	N10	E90	1.000	9034	26.5	10	-F	C		.20	.80			100	H	
HUAN	19	1803	1811		N16	E30	.518	9032	22.0	8	-N	1	C	1805	.31	.32				D
GRP 9752 LOCK HUAN MCMA	19	1855	1935	1901	N16	E31	.532	9032	22.1	40	-N			.68					3 3 3	
	19	1855	1920	1904	N15	E32	.542	9032	22.2	25	-F	C	1904	.40	.50			10		
	19	1855	1940	1858	N16	E30	.518	9032	22.0	45	-N	2	C	1858	.50	.52				
	19	1857E	1945		N16	E30	.518	9032	22.0	48D	-B	C	1904	1.13	1.20				E	
GRP 9753 LOCK HOUS	19	1933	1955	1944	N18	E90	1.000	9037	26.6	22	-F			.20					2 2 2	
	19	1925	2000	1940	N16	E90	1.000	9037	26.6	35	-F	C	1940	.30	1.20			10		
	19	1940	1950	1948	N19	E90	.999	9037	26.6	10	-F	C		.10	.40			100		
GRP 9754 HOUS HUAN HOUS	19	2021	2035	2024	N17	E29	.509	9032	22.0	14	-F			.33					2 2 2	
	19	2021	2034	2024	N17	E28	.495	9032	21.9	13	-F			.20	.20			100		
	19	2026E	2035		N16	E29	.504	9032	22.0	9D	-N	1	P	2026	.45	.47				E
HOUS	19	2024	2031	2025	N12	E63	.887	9034	24.6	7	-F	C		.10	.20			100		

# SOLAR FLARES

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
HOUS	19	2026	2043	2031	N19	E90	.999	9037	26.6	17	-F	C		.10	.40		100		
BOUL	19	2124E	2148	2131	N18	E90	1.000	9037	26.6	24D	-F	C		.30	1.20				
LOCK	19	2245	2252	2247	N15	E27	.472	9032	22.0	7	-F	C	2247	.30	.30		10		
LOCK	19	2303	2314	2305	N11	E62	.879	9034	24.6	11	-F	C	2305	.40	.80		10		
GRP 9760	20	0004	0035	0010	N16	E27	.477	9032	22.0	31	1B			1.88			3 3 3		
SACP	20	0002	0024D	0011	N16	E26	.463	9032	22.0	22D	1B	C		2.23	2.27				
MANI	20	0006	0037	0009	N15	E27	.472	9032	22.0	31	-B	2	0009	1.13	1.29				
MITK	20	0015E	0032		N17	E27	.482	9032	22.0	17D	1N	C	0016	2.27	2.60		F		
	20	0105	0115	NO FLARE PATROL															
MITK	20	0127	0131	0128	N17	E27	.482	9032	22.1	4	-N	C	0128	1.13	1.30				
	20	0130	0140	NO FLARE PATROL															
MITK	20	0226	0235	0228	N17	E24	.441	9032	21.9	9	1N	C	0228	1.86	2.10				
GRP 9763	20	0600	0623	0607	N12	E53	.796	9034	24.2	23	-F			.94			2 2 2		
ABST	20	0600E	0628D	0605	N14	E52	.786	9034	24.1	28D	-N	P	0605	.99	1.57		D		
MANI	20	0606E	0618	0608	N10	E53	.795	9034	24.2	12D	-F	2	0608	.88	1.41				
ABST	20	0610E	0628D	0614	N18	E24	.447	9032	22.1	18D	-N	P	0614	1.08	1.19		D		
TACH	20	0656E	0700		N14	E52	.786	9034	24.2	4D	-N	V	0656	.91	1.50	3.10	63		
CRON	20	0737	0745	0739	N55	W67	.953	9020	15.3	8	-F	C		.40	1.00		H		
MONT	20	0743E	0755D		N09	E45	.704	9034	23.7	12D	2B	C	0743	3.61					
MONT	20	0743E	0755D		N18	E21	.407	9032	21.9	12D	2B	C	0743	4.13					
MANI	20	0812	0822	0815	N11	E52	.785	9034	24.2	10	-F	3	0815	.21	.33				
MONT	20	0823E	0845		N08	E43	.679	9034	23.6	22D	-N	C	0830	1.03					
GRP 9771	20	0846	1020	0848	N17	E24	.441	9032	22.2	94	1N			2.58			3 2 1		
MONT	20	0845	1020	0848	N18	E21	.407	9032	21.9	95	2B	C	0848	2.58					
CANA	20	0847U	0853U	0848	N16	E25	.449	9032	22.2	6U	-F	C		.30	.30		I		
MONT	20	0850	1020	0852	N17	E24	.441	9032	22.2	90	2B	C	0852	1.55					
ARCE	20	0905	1000E	0930	N17	E21	.400	9032	22.0	55D	-N	C	0930	1.19	1.30				
CANA	20	0924	0935	0929	N17	E37	.615	9034	23.2	11	-N	C		.50	.50		EI		
GRP 9773	20	1014	1046	1021	N09	E46	.716	9034	23.9	32	-N			.70			3 3 3		
CATA	20	1010	1105	1020	N10	E47	.728	9034	23.9	55	-N		1020	.70	1.03	172			
CAPS	20	1014E	1042		N09	E45	.704	9034	23.8	28D	-N	3	1026	1.00	1.40	182			
CANA	20	1019	1030	1022	N09	E45	.704	9034	23.8	11	-N	C		.40	.60		E		
GRP 9773	20	1006	1041	1010	N08	E43	.679	9034	23.6	35	-B			.41			2 2 2		
MONT	20	1005	1045		N08	E42	.666	9034	23.6	40	-B	C	1007	.52					
CANA	20	1006	1036	1010	N08	E44	.691	9034	23.7	30	-N	C		.30	.40				
CANA	20	1013	1019	1016	N13	E78	.975	9037	26.3	6	-N	C		.30	.90				
MONT	20	1024	1030	1026	N18	E22	.420	9032	22.1	6	-F	C	1026	.72					
GRP 9776	20	1110	1141	1115	N17	E21	.400	9032	22.0	31	1N			2.44			6 6 5		
MONT	20	1050	1140	1113	N18	E22	.420	9032	22.1	50	2B	C	1113	5.16					
CANA	20	1107	1127	1109	N17	E21	.400	9032	22.0	20	-N	C		1.10	1.20		EI		
CAPS	20	1107E	1137		N15	E22	.401	9032	22.1	30D	1N	3	1113	1.80	2.00	182			
KIEV	20	1110	1130	1116	N16	E22	.407	9032	22.1	20	1N	C	1116	3.09	4.00	60	EI		
CATA	20	1115	1210	1115	N17	E20	.386	9032	22.0	55	-N		1115	1.07	1.17	186			
HUAN	20	1123E	1125D		N17	E21	.400	9032	22.0	2D	-F	1	1123	.62	.62		E		
MONT	20	1144	1205	1148	N18	E22	.420	9032	22.1	21	1N	C	1148	1.55					
GRP 9777	20	1130	1152	1136	N10	E47	.728	9034	24.0	22	1N			2.41			6 6 6		
MONT	20	1126	1300	1136	N08	E41	.653	9034	23.6	94	2B	C	1136	3.61					
CANA	20	1127	1141	1131	N11	E48	.740	9034	24.1	14	-N	C		.90	1.30				
CAPS	20	1128	1147		N10	E50	.763	9034	24.2	19	-B	3	1138	.90	1.40	196			
CATA	20	1130	1210	1135	N11	E47	.729	9034	24.0	40	-N		1135	1.29	1.93	200			
WENDU	20	1133	1154		N10	E46	.716	9034	23.9	21	1N	V		5.16					
KIEV	20	1135	1150	1140	N10	E49	.751	9034	24.2	15	1N	C	1140	2.58		60	DI		
CANA	20	1150	1207	1153	S20	E58	.886	9035	24.8	17	-N	C		.60	1.20				

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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.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
	1967 OCT																	
CANA	20	1202	1209	1204	N17	E90	1.000	9037	27.3	7	-N	C			.20	.80		
WEND	20	1207	1223		N19	W86	.995	9020	14.1	16	1N	V			3.09			
GRP 9781	20	1218	1247	1223	N09	E45	.704	9034	23.9	29	-N	C			1.82			5 5 4
CANA	20	1213	1236	1217	N09	E44	.692	9034	23.8	23	-F	C			.80	1.10		
CANA	20	1216	1227	1218	N12	E53	.796	9034	24.5	11	-N	C			.30	.50		
HUAN	20	1217	1235	1221	N09	E45	.704	9034	23.9	18	-N	C			.34	.40		D
CAPS	20	1219E	1250		N06	E44	.692	9034	23.8	31D	-N	C	1221		1.00	1.50		165
CATA	20	1220	1300	1230	N10	E44	.692	9034	23.8	40	-B	C	1225		1.03	1.47		204
WEND	20	1220	1253D		N09	E44	.692	9034	23.8	33D	1N	V	1230		4.13			
GRP 9782	20	1246	1257	1248	N17	E23	.427	9032	22.3	11	-F	C			.67			2 2 2
MONTE	20	1245	1300	1249	N18	E24	.447	9032	22.3	15	-N	C	1249		1.03			
HUAN	20	1246	1253	1247	N16	E21	.393	9032	22.1	7	-F	2 C	1247		.31	.31		D
GRP 9783	20	1257	1313	1300	N14	E77	.971	9037	26.3	16	-F	C			.39			4 4 3
CANA	20	1249	1306	1255	N13	E78	.975	9037	26.4	17	-N	C			.30	.90		
HUAN	20	1257	1307	1259	N14	E78	.975	9037	26.4	10	-F	2 C	1259		.46			E
MCMA	20	1300E	1300D		N14	E75	.962	9037	26.2		-F	P	1300					E
CATA	20	1300	1325	1300	N13	E75	.962	9037	26.2	25	-N	C	1300		.40			186
GRP 9784	20	1414	1427	1416	N17	E20	.386	9032	22.1	13	-F	C			.43			4 4 4
CATA	20	1405	1440	1410	N17	E17	.346	9032	21.9	35	-N	C	1410		.15	.17		155
CATA	20	1410	1430	1415	N17	E20	.386	9032	22.1	20	-N	C	1415		.15	.17		166
HUAN	20	1415	1419	1416	N17	E20	.386	9032	22.1	4	-F	2 C	1416		.21	.21		D
MCMA	20	1415	1425	1416	N16	E20	.379	9032	22.1	10	-F	C	1416		.31	.30		D
MONTE	20	1415	1435		N18	E20	.394	9032	22.1	20	-N	C	1420		1.03			
GRP 9785	20	1517	1535	1525	S17	W34	.649	9028	18.1	18	-N	C			.47			2 2 2
SACP	20	1516	1544	1525	S17	W34	.649	9028	18.1	28	-F	1 C			.68	.77		
HUAN	20	1517	1525		S17	W34	.649	9028	18.1	8	-F	1 C	1519		.25	.27		D
GRP 9786	20	1524	1539	1531	N09	E42	.666	9034	23.8	15	-N	C			.76			4 4 3
CAPS	20	1521	1541		N08	E42	.666	9034	23.8	20	-N	3 C	1528		1.20	1.60		165
HUAN	20	1522	1539		N08	E43	.679	9034	23.9	17	-N	1 C	1527		.45	.51		E
HOUS	20	1524	1535D	1526	N08	E42	.666	9034	23.8	11D	-F	C			.20	.30		100
LOCA	20	1530	1538	1535	N10	E42	.667	9034	23.8	8	-N	V	1535		.63	.90		
GRP 9787	20	1556	1618	1601	N08	E42	.666	9034	23.8	22	-F	C			.36			4 4 4
LOCK	20	1555	1615	1559	N08	E42	.666	9034	23.8	20	-F	C	1559		.50	.70		10
CAPS	20	1557	1600D		N08	E42	.666	9034	23.8	3D	-N	3 C	1558		.50	.70		170
HOUS	20	1557	1621	1603	N08	E42	.666	9034	23.8	24	-F	1 C			.20	.30		100
HUAN	20	1607E	1617		N08	E43	.679	9034	23.9	10D	-F	1 C	1609		.25	.28		D
GRP 9788	20	1658	1721	1704	N08	E42	.666	9034	23.9	23	-F	C			.40			3 3 3
HUAN	20	1657	1717		N08	E42	.666	9034	23.9	20	-F	1 C	1658		.21	.23		D
SACP	20	1658	1725	1704	N08	E41	.653	9034	23.8	27	-N	C			.68	.78		
MCMA	20	1705E	1713D		N07	E42	.666	9034	23.9	8D	-F	P	1706		.31	.40		E
GRP 9789	20	1722	1737	1727	N16	E16	.324	9032	21.9	15	-F	C			.36			4 4 3
LOCK	20	1720	1737	1726	N15	E19	.358	9032	22.1	17	-F	C	1726		.20	.20		10
SACP	20	1722	1740	1729	N17	E18	.359	9032	22.1	18	-F	C			.68	.68		
HOUS	20	1723	1733	1725	N17	E08	.240	9032	21.3	10	-F	C			.10	.10		100
HUAN	20	1723	1736		N16	E18	.351	9032	22.1	13	-N	1 C	1727		.21	.21		D
GRP 9790	20	1836	1856	1841	N08	E41	.653	9034	23.9	20	-N	C			.54			5 5 5
HUAN	20	1817	1831		N09	E41	.653	9034	23.8	14	-F	1 C	1820		.31	.35		D
SACP	20	1818	1904	1842	N09	E40	.640	9034	23.8	46	-N	C			.98	1.10		
LOCK	20	1833	1857	1839	N07	E41	.653	9034	23.8	24	-F	C	1839		.70	.90		10
BOUL	20	1835	1855U	1839	N09	E41	.653	9034	23.8	20U	-N	C			.40	.50		
HOUS	20	1837	1855	1842	N08	E42	.666	9034	23.9	18	-N	C			.30	.40		200
HUAN	20	1838	1850		N08	E41	.653	9034	23.9	12	-F	1 C	1840		.25	.28		D
MCMA	20	1929	1948D	1933	N08	E40	.640	9034	23.8	19D	-F	C	1933		.31	.40		E
GRP 9792	20	1931	1959	1936	N16	E18	.351	9032	22.2	28	-F	C			.45			3 3 3
LOCK	20	1929	1947	1933	N15	E19	.358	9032	22.2	18	-F	C	1933		.40	.40		10
SACP	20	1931	2010	1937	N17	E16	.333	9032	22.0	39	-F	C			.69	.68		
MCMA	20	1932	1946D	1937	N16	E18	.351	9032	22.2	14D	-F	C	1937		.25	.30		E
GRP 9793	20	2000	2007	2002	N08	E41	.653	9034	23.9	7	-F	C			.45			2 2 2
LOCK	20	1959	2009	2002	N07	E41	.653	9034	23.9	10	-F	C	2002		.50	.70		10
HOUS	20	2000	2004	2002	N09	E40	.640	9034	23.8	4	-F	C			.40	.50		100
GRP 9794	20	2126	2151	2133	N08	E40	.640	9034	23.9	25	-N	C			.69			3 3 3
SACP	20	2124	2150	2134	N08	E39	.627	9034	23.8	26	-N	C			1.08	1.19		
LOCK	20	2125	2155	2132	N07	E41	.653	9034	24.0	30	-F	C	2132		.70	.90		10
HOUS	20	2129	2147	2132	N08	E39	.627	9034	23.8	18	-N	C			.30	.40		200



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OBSERVATORY	OBSERVED UT				LOCATION				DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.													
GRP 9817 BOUL SACP HALE	21	2052	2144	2058	N10	E30	.501	9034	24.1	52	-N		1.54				3 3 3		
	21	2052	2125	2055	N09	E30	.499	9034	24.1	33	-F	C	1.00	1.20					
	21	2052	2146	2056	N11	E29	.488	9034	24.0	54	1N	C	2.43	2.50					
	21	2102E	2200	2102	N11	E30	.503	9034	24.1	58D	-B	1 C	2102	1.19	1.40		FJK		
GRP 9818 SACP HALE	21	2059	2120	2105	N17	E01	.201	9032	21.9	21	-B		.95				2 2 2		
	21	2059	2120	2104	N17	E01	.201	9032	21.9	21	-N	C	1.27	1.24					
GRP 9819 LOCK SACP	21	2222	2235	2225	N17	E01	.201	9032	22.0	13	-F		.74				2 2 2		
	21	2221	2233	2225	N16	E01	.184	9032	22.0	12	-F	C	2225	.50	.50		10		
GRP 9821 HALE SACP LOCK MANI	21	2300	2323	2307	N22	W51	.788	9025	18.1	21	-F		.68				4 4 4		
	21	2300	2337	2304	N21	W50	.776	9025	18.2	37	-N	1 C	2304	.52	.80		J		
GRP 9822 LOCK SACP MITK	21	2302	2314	2307	N21	W50	.776	9025	18.2	12	-F	C	1.17	1.50					
	21	2303	2315	2306	N23	W50	.780	9025	18.2	12	-F	C	2306	.40	.60		10		
GRP 9822 LOCK SACP MITK	21	2311E	2327	2312	N21	W52	.795	9025	18.1	16D	-N	1	2312	.62	1.00				
	21	2332	2340	2334	N17	E00	.201	9032	22.0	8	-F		1.13				3 3 3		
GRP 9822 LOCK SACP MITK	21	2331	2341	2335	N16	E01	.184	9032	22.1	10	-F	C	2335	1.00	1.00		10		
	21	2332	2342	2334	N17	E00	.201	9032	22.0	10	-F	C	2334	1.76	1.73				
GRP 9822 LOCK SACP MITK	21	2333	2336	2334	N17	E00	.201	9032	22.0	3	-N	C	2334	.62	.60		E		
	22	0211	0220	0215	N33	W54	.841	9025	18.0	9	-F	C	.10	.20					
GRP 9829 HALE SACP MITK	22	0230	0245	0233	N11	E23	.398	9034	23.8	15	-B	2 C	0233	.21	.22				
	22	0256	0307	0300	N15	E01	.169	9032	22.2	11	-N		.65				3 3 3		
GRP 9829 HALE SACP MITK	22	0251	0309	0300	N16	E01	.186	9032	22.2	18	-B	2 C	0300	.31	.31		V		
	22	0257	0304	0300	N14	E01	.152	9032	22.2	7	-N	C	.70	.70		H			
GRP 9829 MITK CRON	22	0259	0302D		N16	E01	.186	9032	22.2	3D	-N	P	0301	.93	.90				
	22	0347	0359	0351	N23	W55	.827	9025	18.0	12	-F		.92				2 2 2		
GRP 9829 MITK CRON	22	0347	0358	0350	N22	W55	.826	9025	18.0	11	-F	C	0350	1.03	1.80		G		
	22	0347	0400	0351	N24	W54	.820	9025	18.1	13	-N	C	.80	1.40					
GRP 9829 MITK CRON	22	0350	0409	0355	N09	E14	.248	9034	23.2	19	-F	C	.80	.80					
	22	0413	0416	0414	N10	E24	.410	9034	24.0	3	-F	C	.20	.20					
GRP 9829 MITK CRON	22	0430	0441	0431	N11	E24	.413	9034	24.0	11	-F		.57				2 2 2		
	22	0429	0447D	0431	N11	E24	.413	9034	24.0	18D	-N	C	0431	.93	1.00		F		
GRP 9830 MANI CAPE ATHN CRON	22	0430	0435	0431	N10	E24	.410	9034	24.0	5	-F	C	.20	.20					
	22	0445	0450		NO FLARE PATROL														
GRP 9830 MANI CAPE ATHN CRON	22	0616	0642	0619	N11	E23	.398	9034	24.0	26	-B		1.07				4 4 4		
	22	0614E	0632	0615	N10	E22	.379	9034	23.9	18D	-B	1	0615	.83	.88		E		
GRP 9831 CAPE CRON ATHN MANI BUCA CATA ISTA CATA	22	0616	0659	0618	N10	E23	.395	9034	24.0	43	-N	C	0618	1.49	1.60		FV		
	22	0617	0646	0621	N12	E27	.462	9034	24.3	29	-B	2	0621	1.26	1.40				
GRP 9831 CAPE CRON ATHN MANI BUCA CATA ISTA CATA	22	0618	0630	0621	N10	E21	.364	9034	23.8	12	-N	C	.70	.80					
	22	0656	0719	0659	N11	E20	.352	9034	23.8	23	-N		1.10				7 6 6		
GRP 9831 CAPE CRON ATHN MANI BUCA CATA ISTA CATA	22	0648	0717	0657	N08	E19	.327	9034	23.7	29	-N	C	0657	1.39	1.50		F		
	22	0652	0710	0657	N18	E18	.369	9034	23.6	18	-N	C	.80	.80					
GRP 9831 CAPE CRON ATHN MANI BUCA CATA ISTA CATA	22	0653	0730	0657	N10	E23	.395	9034	24.0	37	-N	2	0657	1.19	1.30				
	22	0655	0705	0658	N10	E22	.379	9034	23.9	10	-F	2	0658	.62	.66				
GRP 9833 ISTA BUCA MANI MONT ATHN CRON CAPE CAPE ISTA	22	0705E	0725		N09	E18	.313	9034	23.6	20D	1N	P	0705	2.21	2.30				
	22	0705	0740	0705	N08	E19	.327	9034	23.7	35	-N		0705	.40	.44		151		
GRP 9833 ISTA BUCA MANI MONT ATHN CRON CAPE CAPE ISTA	22	0715E	0800	0720	N08	E18	.310	9034	23.7	45D	-F		.05	.06			151		
	22	0715E	0755		N13	E20	.361	9034	23.8	5	-N		0720	.05	.06				
GRP 9833 ISTA BUCA MANI MONT ATHN CRON CAPE CAPE ISTA	22	0715E	0755		N18	E51	.781	9037	26.1	40D	-N								
	22	0743	0809	0751	N16	W03	.192	9032	22.1	26	-N		.26				7 7 5		
GRP 9833 ISTA BUCA MANI MONT ATHN CRON CAPE CAPE ISTA	22	0715E	0915D		N15	W04	.181	9032	22.0	120D	-B								
	22	0730E	0845D		N16	W04	.197	9032	22.0	75D	1N	C	0745	2.76	2.80				
GRP 9833 ISTA BUCA MANI MONT ATHN CRON CAPE CAPE ISTA	22	0745	0750	0747	N17	W03	.208	9032	22.1	5	-N	1	0747	.21	.21				
	22	0748E	0815		N15	E02	.171	9032	22.5	27D	-N	C	0748	.21	.21				
GRP 9833 ISTA BUCA MANI MONT ATHN CRON CAPE CAPE ISTA	22	0750	0800D	0752	N18	W02	.222	9032	22.2	10D	-N	2	0752	.39	.40				
	22	0751	0801	0753	N14	W07	.192	9032	21.8	10	-F	C	.10	.10					
GRP 9833 ISTA BUCA MANI MONT ATHN CRON CAPE CAPE ISTA	22	0756E	0803D		N16	W03	.192	9032	22.1	7D	-F	P	0802	.40	.40				
	22	0912	0918	0915	N16	W02	.188	9032	22.2	6	-F	C	0915	.80	.80				
GRP 9833 ISTA	22	0845	0905		N10	E22	.379	9034	24.0	20	-N								

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. 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. %		
	1967																		
	OCT																		
GRP 9835	22	0911	0932	0917	N14	E49	.755	9037	26.1	21	-N				1.17				6 6 5
MONT	22	0901E	0938	0915	N15	E45	.710	9037	25.8	37D	-N				1.03				
KHAR	22	0910E	0938		N13	E49	.754	9037	26.1	28D	1F	C	P	0915	2.84	4.30	2.10		DH
CAPE	22	0912	0932	0917	N13	E49	.754	9037	26.1	20	-N				.58	.90			
CRON	22	0913	0926	0916	N11	E49	.752	9037	26.1	13	-N				.40	.60			
ONDR	22	0915E	0927		N12	E49	.753	9037	26.1	12D	-F						1.40		CH
ATHN	22	0915	0930	0918	N18	E50	.771	9037	26.1	15	-N	2	V	0917	.99	1.50			
GRP 9836	22	1008	1115	1010	N11	E23	.398	9034	24.1	67	1B				3.19				6 6 4
CAPE	22	0948	1123	1010	N11	E22	.383	9034	24.1	95	1B				2.87	3.10			
CANA	22	1002	1028	1005	N10	E21	.364	9034	24.0	26	-N				.90	1.00			F
CANA	22	1002	1028	1017	N10	E21	.364	9034	24.0	26	-N								K
CANA	22	1006	1050	1010	N13	E27	.465	9034	24.4	44	-F				.60	.70			K
CANA	22	1006	1050	1012	N13	E27	.465	9034	24.4	44	-F								
CAPS	22	1007	1033		N11	E24	.413	9034	24.2	26	1B	3						220	
KHAR	22	1009	1030D		N13	E22	.391	9034	24.1	21D	2N	P	P	1011	6.81	7.50	3.20		HOQ
ONDR	22	1009E	1108		N10	E21	.364	9034	24.0	59D	2N	V	V	1013			2.50		CFH
CATA	22	1010	1140	1010	N10	E21	.364	9034	24.0	90	-B				1.57	1.69			222
CATA	22	1010	1140	1014	N13	E23	.406	9034	24.1	90	-N				.51	.57			178
GRP 9839	22	1003	1155	1020	N11	E25	.429	9034	24.3	112	1N				3.25				2 2 2
MONT	22	1003	1155	1020	N07	E23	.390	9034	24.1	112	2B				3.09				
MONT	22	1003	1155		N07	E23	.390	9034	24.1	112	2B	C	C	1011	5.16				
KHAR	22	1015E	1105D		N14	E27	.469	9034	24.5	50D	1F	P	P	1030	3.40	4.00	1.90		DH
GRP 9839	22	1040	1052	1043	N13	E17	.316	9034	23.7	12	-F				1.05				2 2 2
CANA	22	1038	1046	1041	N18	E17	.357	9034	23.7	8	-F				.80	.80			
CAPE	22	1041	1057	1045	N08	E17	.294	9034	23.7	16	-N				1.30	1.40			JT
CATA	22	1005	1045	1010	S18	W59	.888	9028	18.0	40	-N				.15				166
SALU	22	1155	1215		N07	W15	.259	9032	21.4	20	-N				.66	.70	1.50		
GRP 9839	22	1205	1239	1216	N10	E16	.284	9034	23.7	34	-N				1.02				6 6 6
CATA	22	1140	1350	1220	N18	E15	.332	9034	23.6	130	-N				.88	.91			170
ATHN	22	1154	1242	1210	N10	E10	.190	9034	23.2	48	-N	2			.99	1.10			
CAPS	22	1202E	1236		N06	E18	.308	9034	23.9	34D	-N	3			.50	.60			165
CANA	22	1209	1242	1217	N18	E16	.344	9034	23.7	33	-F				.90	.90			I
MONT	22	1210	1230D	1215	N05	E17	.291	9034	23.8	20D	-N				1.55				
CAPE	22	1211	1236		N08	E15	.261	9034	23.6	25	-N	C	C	1215	1.30	1.40			JT
CAPE	22	1211	1236		N08	E15	.261	9034	23.6	25	-F	C	C	1220	.98	1.00			
CAPE	22	1238	1300	1249	N14	E23	.411	9034	24.3	22	-F	C	C	1226	1.79	2.00			F
CATA	22	1320	1416	1335	N06	E17	.291	9034	23.8	56	-N				1.35	.15			151
CAPE	22	1239	1254	1243	N19	E55	.821	9037	26.7	15	1F	C	C	1243	1.21	2.10			
GRP 9841	22	1358	1414	1401	N16	W13	.286	9032	21.6	16	-N				.46				4 4 4
CAPE	22	1356	1414	1402	N16	W12	.274	9032	21.7	18	-F				.80	.80			H
MCMA	22	1357	1415	1402	N16	W15	.312	9032	21.5	18	-N				.26	.26			EH
ATHN	22	1359	1411	1400	N17	W12	.285	9032	21.7	12	-N	2			.50	.50			
CATA	22	1400	1416	1400	N15	W12	.263	9032	21.7	16	-N				.27	.28			178
GRP 9842	22	1359	1409	1400	N19	W58	.849	9025	18.2	10	-N				.86				5 5 5
CAPS	22	1358E	1409		N19	W59	.857	9025	18.2	11D	1F	3			1.20	2.00			G
MCMA	22	1358	1410	1400	N20	W58	.850	9025	18.2	12	-N	C	C	1400	.52	1.00			E
CAPE	22	1358	1410	1359	N19	W57	.840	9025	18.3	12	-N	C	C	1359	.58	1.10			CFV
ATHN	22	1359	1408	1401	N18	W58	.848	9025	18.2	9	-N	2			.99	.80			
CATA	22	1400	1407	1400	N18	W57	.839	9025	18.3	7	-N				1.01	1.92			186
GRP 9843	22	1413	1424	1416	N15	E39	.636	9037	25.5	11	-N				.34				5 5 4
CANA	22	1411	1418	1414	N14	E38	.621	9037	25.4	7	-N				.30	.40			
CAPS	22	1412	1425		N14	E37	.608	9037	25.4	13	-N	3			.30	.40			160
ATHN	22	1413	1423D	1415	N17	E42	.678	9037	25.7	10D	-N	2			.40	.90			
MCMA	22	1415	1425	1418	N14	E38	.621	9037	25.4	10	-N	C	C	1415	.31	.40			DH
CAPE	22	1415	1428	1418	N14	E38	.621	9037	25.4	13	-N	C	C	1418	.45	.60			CH
CAPE	22	1430	1449	1436	N10	E19	.332	9034	24.0	19	-F	C	C	1428	.18	.20			
GRP 9845	22	1530	1543	1534	N11	E19	.336	9034	24.1	13	-N				.48				6 6 5
CANA	22	1527E	1532D	1530U	N10	E19	.332	9034	24.1	5D	-N				.20	.20			
LOCK	22	1530	1541	1533	N10	E18	.316	9034	24.0	11	-N				.50	.60			20
CAPS	22	1530E	1548		N10	E20	.348	9034	24.1	18D	-B	3			1.00	1.10			205
MCMA	22	1530	1544	1533	N11	E18	.320	9034	24.0	14	-N				.52	.50			E
MCMA	22	1532	1605	1538	N13	E22	.391	9034	24.3	33	-F	C	C	1533	.26	.30			
HOUS	22	1533	1539	1534	N10	E19	.332	9034	24.1	6	-F	C	C	1538	.10	.10			100
SACP	22	1538E	1538D	1538U	N11	E18	.320	9034	24.0		-N	P	P		.20	.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.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %				
					LAT.	MER. DIST.															
GRP 9846 LOCK MCMA HOUS SACP	1967 OCT	22 1616	1652	1623	N11	E18	.320	9034	24.0	36	-N										
		22 1615	1648	1622	N11	E19	.336	9034	24.1	33	-N	C	1622	.97	1.20					4 4 4	
		22 1615	1650	1622	N12	E18	.325	9034	24.0	35	-B	C	1622	.83	.90					E	
		22 1618	1649	1623	N11	E18	.320	9034	24.0	31	-N	C		.40	.40					200	
	22 1619E	1702U	1625U	N11	E18	.320	9034	24.0	43U	-N	C		1.55	1.53							
GRP 9846 CANAL HALE		22 1629	1716	1635	N12	E19	.341	9034	24.1	47	-B			1.43						2 2 2	
		22 1629E	1700	1635U	N11	E20	.352	9034	24.2	31D	-N	C		1.00	1.10					E	
		22 1633E	1732		N12	E18	.325	9034	24.0	59D	-B	2	P	1633	1.86	2.00					
	HALE	22 1644	1701	1648	S10	W09	.305	9036	22.0	17	-B	2	C	1648	.46	.50					
GRP 9848 LOCK SACP MCMA HOUS		22 1644	1658	1650	N16	W14	.299	9032	21.6	12	-F			.40						4 4 4	
		22 1644	1657	1649	N16	W15	.312	9032	21.6	13	-N	C	1649	.50	.60					20	
		22 1644	1700	1649	N16	W14	.299	9032	21.6	16	-N	C		.59	.58						
		22 1646	1657	1650	N17	W15	.322	9032	21.6	11	-F	C	1650	.31	.30					E	
	22 1649	1657	1650	N16	W13	.286	9032	21.7	8	-F	C		.20	.20						100	
GRP 9849 CANAL SACP LOCK MCMA HOUS HALE		22 1723	1740	1727	N16	W09	.239	9032	22.0	17	-N			.69						6 6 5	
		22 1720	1732	1725	N16	W07	.220	9032	22.2	12	-N	C		.40	.40					E	
		22 1720U	1745U	1727U	N16	W09	.239	9032	22.0	25U	-N	C		.68	.67						
		22 1722	1740	1727	N15	W09	.227	9032	22.0	18	-N	C	1727	.80	.80					20	
		22 1724	1738	1727	N16	W10	.250	9032	22.0	14	-F	C	1727	.72	.80					E	
		22 1725	1738	1727	N15	W08	.216	9032	22.1	13	-F	C		.20	.20						100
	22 1726	1745		N16	W09	.239	9032	22.1	19	-N	2	P	1726	.83	.82						
GRP 9850 SACP LOCK HOUS HALE		22 1745	1755	1749	N11	E22	.383	9034	24.4	10	-F			.41						4 4 4	
		22 1744U	1754U	1749U	N11	E21	.367	9034	24.3	10U	-F	C		.59	.58						
		22 1744	1755	1747	N10	E23	.395	9034	24.5	11	-F	C	1747	.40	.40					10	
		22 1745	1753	1748	N11	E22	.383	9034	24.4	8	-F	C		.20	.20					100	
		22 1745	1759	1750	N11	E22	.383	9034	24.4	14	-N	2	C	1750	.46	.50					
		HOUS	22 1837	1846	1841	N16	W59	.855	9025	18.4	9	-F	C		.10	.20					100
	HOUS	22 1852	1858	1854	N13	W48	.742	9027	19.2	6	-F	C		.10	.10					100	
GRP 9853 MCMA LOCK HOUS HALE SACP		22 1857	1940	1908	N09	E14	.248	9034	23.8	43	-F			.77						5 4 4	
		22 1856	1950D		N11	E16	.289	9034	24.0	54D	-N	C	1902	.62	.70					E	
		22 1857	1930	1903	N07	E14	.242	9034	23.8	33	-F	C	1903	.70	.70					10	
		22 1859	1915	1902	N08	E14	.245	9034	23.8	16	-F	C		.30	.30					100	
		22 1901E	1958U		N08	E13	.228	9034	23.8	57U	-N	2	P	1901	1.44	1.50					
	22 1917E	1948U	1920D	N09	E12	.216	9034	23.7	31U	-F				.68	.67						
GRP 9854 HOUS LOCK		22 2040	2052	2043	N08	E15	.261	9034	24.0	12	-F			.15						2 2 2	
		22 2039	2051	2041	N08	E11	.195	9034	23.7	12	-F	C		.10	.10					100	
		22 2041	2052	2045	N08	E18	.310	9034	24.2	11	-F	C	2045	.20	.20					10	
		HOUS	22 2120	2133	2122	N12	E18	.325	9034	24.2	13	-F	C		.10	.10					100
GRP 9856 LOCK HOUS HALE		22 2211	2253	2217	N10	E14	.253	9034	24.0	42	1B			2.08						3 3 2	
		22 2210	2300	2219	N10	E15	.269	9034	24.0	50	1B	C	2219	2.10	2.10					30	
		22 2211	2227	2215	N10	E14	.253	9034	24.0	16	-N	C		.50	.50					200	
		22 2212	2313D	2217	N10	E14	.253	9034	24.0	61D	1B	1	P	2217	2.06	2.10					
	23 0010	0030	NO FLARE PATROL																		
GRP 9857 CRON HALE		23 0126	0135	0130	N14	W51	.776	9027	19.2	9	-N			.41						2 2 2	
		23 0125	0137	0130	N14	W52	.787	9027	19.2	12	-N	C		.50	.80					H	
		23 0126	0132	0130U	N13	W50	.765	9027	19.3	6	-N	1	P	0130	.31	.50					
	HALE	23 0132E	0137	0133	N08	E16	.278	9034	24.3	5D	-F	1	P	0133	.21	.22					
GRP 9858 HALE CRON		23 0202	0235	0210	N09	E07	.137	9034	23.6	33	-N			.81						2 2 2	
		23 0158	0235	0210	N09	E08	.153	9034	23.7	37	-N	1	C	0210	.62	.62					E
		23 0205	0235	0210	N08	E06	.114	9034	23.5	30	-N	C		1.00	1.00						
	CRON	23 0215	0223	0220	S25	W90	1.001	9023	16.3	8	-F	C		.40	1.60						
GRP 9861 HALE CRON MANI		23 0255	0311	0258	N08	E06	.114	9034	23.6	16	-N			.51						3 3 3	
		23 0254	0315D	0257	N08	E06	.114	9034	23.6	21D	-N	1	P	0257	.52	.52					E
		23 0255	0313	0258	N07	E06	.108	9034	23.6	18	-N	C		.60	.60						
		23 0256	0306	0259	N10	E05	.120	9034	23.5	10	-F	2		0259	.41	.42					
		HALE	23 0327	0338E	0331U	N13	E39	.632	9037	26.1	11D	-F	1	P	0331	.15	.20				
	HALE	23 0337E	0344		N08	E06	.114	9034	23.6	7D	-N	1	P	0338	.31	.32					E
	CRON	23 0440	0510	0445	S14	W73	.966	9028	17.7	30	-F	C		.20	.50						



## SOLAR FLARES

### OCTOBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
	1967 OCT																	
SACP	23	1520	1730	1623	S15	W76	.978	9028	17.9	130	1B	C		1.12	2.81			
MCMA	23	1525	1533	1527	N10	W01	.085	9034	23.6	8	-N	C	1527	.31	.30		E	
SACP	23	1616	1702	1629	N10	W03	.098	9034	23.5	46	-F	C		.81	.80			
GRP 9889	23	1742	1752	1745	N09	E21	.361	9034	25.3	10	-F	C		.77			4 4 3	
LOCK	23	1740	1753	1744	N08	E21	.359	9034	25.3	13	-F	C	1744	.70	.80	10		
SACP	23	1740	1754	1746	N10	E21	.364	9034	25.3	14	-F	C		1.01	1.01			
HOUS	23	1743	1750	1744	N09	E20	.345	9034	25.2	7	-F	C		.10	.10	100	H	
BOUL	23	1743	1751	1746	N09	E22	.377	9034	25.4	8	-N	C		.60	.60			
HOUS	23	1745	1755	1748	N20	E36	.615	9037	26.4	10	-N	C		.20	.30	200		
LOCK	23	1852	1910	1857	N20	E38	.640	9037	26.6	18	-F	C	1857	.60	.80	10		
MCMA	23	1936	1948	1938	N10	W02	.090	9034	23.7	12	-F	C	1938	.83	.90		E	
LOCK	23	2350	0002	2353	N17	E31	.538	9037	26.3	12	-F	C	2353	.60	.70	10		
CRON	24	0104	0115	0108	N18	E82	.987	9044	30.2	11	-F	C		.40	1.40			
GRP 9894	24	0129	0137	0132	N11	E16	.290	9034	25.3	8	-N	C		.46			2 2 2	
MANI	24	0128	0133D	0131	N12	E19	.342	9034	25.5	5D	-B	2	0131	.62	.65		E	
CRON	24	0130	0137	0132	N09	E13	.233	9034	25.0	7	-F	C		.30	.30			
CRON	24	0423	0450	0425	S11	W90	1.000	9023	17.4	27	-F	C		.30	1.20		K	
CRON	24	0423	0450	0439	S11	W90	1.000	9023	17.4	27	-F	C						
CRON	24	0527	0542	0529	N18	E79	.978	9044	30.2	15	-F	C		.40	1.20		K	
CRON	24	0527	0542	0536	N18	E79	.978	9044	30.2	15	-F	C						
CRON	24	0608	0623	0613	N11	E13	.244	9034	25.2	15	-N	C		.50	.50		H	
CRON	24	0616	0626	0620U	N12	E14	.266	9034	25.3	10	-F	C		.40	.40			
CRON	24	0644	0658	0650	S15	W90	1.000	9023	17.5	14	-N	C		.40	1.60			
GRP 9900	24	0645	0658	0648	S15	W86	.999	9028	17.8	13	-B	2		.44			2 2 2	
MANI	24	0645	0659	0648	S14	W85	.998	9028	17.9	14	-B	2	0648	.52	1.55			
CAPE	24	0648E	0656		S15	W86	.999	9028	17.8	8D	-N	P	0648	.36				
GRP 9901	24	0741	0832	0749	N20	E29	.528	9037	26.5	51	1N	3		2.67			7 6 6	
CAPS	24	0735E	0836		N19	E27	.496	9037	26.3	61D	1B	V	0752	3.80	4.60	220	FK	
KODA	24	0740	0820	0747	N21	E34	.596	9037	26.9	40	1F	V	0745	1.93	2.40	1.64	JL	
CATA	24	0742	0840	0750	N21	E27	.509	9037	26.3	58	1N	P	0750	2.84	3.35	200		
BUCA	24	0745E	0748D		N20	E26	.490	9037	26.3	30	1N	P	0748	3.32	3.80			
MANI	24	0745	0814	0750	N20	E30	.541	9037	26.6	29	-N	2	0750	1.34	1.60			
ATHN	24	0757E	0850D		N20	E30	.541	9037	26.6	53D	1N	2	0801	2.77	3.30			
MONT	24	0823E	0945D		N20	E30	.541	9037	26.6	82D	1B	C	0840	4.13				
CRON	24	0804	0820	0808	S14	W90	1.000	9028	17.6	16	-F	C		.30	1.20		I	
CRON	24	0846	0908	0849	S14	W90	1.000	9028	17.6	22	-F	C		.30	1.20		I	
GRP 9904	24	1037	1053	1040	N20	E29	.528	9037	26.6	16	-N	C		4.13			2 2 1	
CANA	24	1037E	1050	1037U	N19	E28	.509	9037	26.5	13D	-F	C		.80	.90			
MONT	24	1037	1055	1043	N20	E29	.528	9037	26.6	18	1B	C	1043	4.13				
GRP 9905	24	1056	1117	1100	N09	W11	.201	9034	23.6	21	1N	C		1.44			5 5 5	
CANA	24	1043	1055	1046	N12	W04	.137	9034	24.1	12	-F	C		.30	.30			
CANA	24	1050	1104	1056	N09	W11	.201	9034	23.6	14	-F	C		1.20	1.20			
MONT	24	1054	1130	1102	N10	W14	.254	9034	23.4	36	1N	C	1102	1.03				
ATHN	24	1055	1110	1057	N08	W12	.212	9034	23.6	15	1N	2	1057	1.98	2.10			
CATA	24	1055	1125	1105	N09	W11	.201	9034	23.6	30	1N	V	1105	2.17	2.23	195		
SALO	24	1105	1115		N06	W10	.173	9034	23.7	10	-N	V	1110	.83	.90	1.10		
CATA	24	1130	1150	1135	N19	E24	.457	9037	26.3	20	-N	C	1135	.78	.93	159		
CANA	24	1231	1240	1232	N10	E09	.176	9034	25.2	9	-F	C		.50	.50			
GRP 9908	24	1243	1310		N11	W06	.145	9034	24.1	27	-N	C		1.51			2 2 2	
MONT	24	1243	1245D		N11	W06	.145	9034	24.1	2D	-N	C	1245	.52				
CAPS	24	1250E	1310D		N10	W05	.121	9034	24.2	20D	1N	1	1252	2.50	2.50	160		

# SOLAR FLARES

OCTOBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1967																	
	OCT																	
GRP 9909	24	1303	1333	1308	N10	W06	.133	9034	24.1	30	-N							
CATA	24	1230	1345	1305	N11	W06	.145	9034	24.1	75	1N							
SANM	24	1301E	1340		N10	W07	.147	9034	24.0	39D	-N	P	1305	1.48	2.44	178	4 4 4	
CANA	24	1305	1325	1311	N11	W05	.133	9034	24.2	20	-N	C	1305	.65	.65			
ATHN	24	1309E	1323	1309	N08	W07	.131	9034	24.0	14D	-N	1	1309	1.20	1.20			
HOUS	24	1412	1434	1414	S12	W90	1.000	9028	17.8	22	-N	C		.40	1.60	200		
HOUS	24	1455	1515	1458	S12	W90	1.000	9028	17.9	20	1N	C		.80	3.20	200	H	
GRP 9912	24	1510	1524	1512	N11	W07	.157	9034	24.1	14	-N			.72				
MCMA	24	1509	1527D	1512	N10	W08	.161	9034	24.0	18D	-N	C	1512	.83	.90		3 3 3	
SACP	24	1510	1522	1512	N12	W06	.157	9034	24.2	12	-N	C		1.01	.99		F	
HUAN	24	1511	1523		N12	W07	.169	9034	24.1	12	-F	1	1513	.31	.31		E	
GRP 9913	24	1518	1526	1520	N10	E07	.147	9037	25.2	8	-F			.51				
SACP	24	1517	1526	1520	N09	E07	.138	9037	25.2	9	-N	C		.71	.70		2 2 2	
MCMA	24	1519	1525	1520	N10	E06	.133	9037	25.1	6	-F	C	1520	.31	.30		E	
GRP 9914	24	1536	1611	1540	N19	E24	.457	9037	26.5	35	-F			.48				
HOUS	24	1533	1614	1541	N19	E23	.444	9037	26.4	41	-F	C		.40	.50	100	5 5 5	
SACP	24	1536	1610U	1542	N20	E23	.452	9037	26.4	34U	-F	C		.71	.72			
MCMA	24	1538	1609		N20	E25	.477	9037	26.5	31	-N	C	1541	.52	.60		E	
LOCK	24	1538E	1610	1538U	N17	E25	.457	9037	26.5	32D	-F	C	1538	.50	.60	10	D	
HUAN	24	1545E	1610D		N21	E27	.509	9037	26.7	25D	-F	1	1547	.25	.26		D	
HUAN	24	1600	1610D		N19	E23	.444	9037	26.4	10D	-F	1	1604	.31	.31		D	
GRP 9915	24	1607	1648	1613	N09	W13	.233	9034	23.7	41	1B			2.87				
MCMA	24	1605	1710		N10	W10	.191	9034	23.9	65	1B	C	1616	2.06	2.10		5 5 5	
HUAN	24	1607	1627		N09	W13	.233	9034	23.7	20	1N	1	1617	2.89	2.92		E	
SACP	24	1607	1658U	1614U	N09	W14	.249	9034	23.6	51U	2B	C		5.59	5.49			
HOUS	24	1608	1638	1611	N09	W15	.265	9034	23.5	30	-N	C		1.80	1.90	200		
LOCK	24	1608	1645	1613	N09	W13	.233	9034	23.7	37	-B	C	1613	2.00	2.00	30		
LOCK	24	1617	1623	1619	N18	E27	.490	9037	26.7	6	-F	C	1619	.20	.20	10		
GRP 9917	24	1725	1757	1740	N19	E22	.431	9037	26.4	32	-N			.63				
HALE	24	1718	1750	1740	N19	E21	.418	9037	26.3	32	-N	1	1740	.46	.50		3 3 3	
MCMA	24	1722	1755	1740	N20	E23	.452	9037	26.4	33	-N	C	1740	.52	.60		EK	
SACP	24	1734	1805U	1740	N19	E21	.418	9037	26.3	31U	-N	C		.92	.92			
GRP 9917	24	1721	1753	1725	N19	E24	.457	9037	26.5	32	-F			.30				
LOCK	24	1720	1750	1725	N17	E24	.443	9037	26.5	30	-F	C	1725	.30	.30	10	2 2 1	
MCMA	24	1722	1755	1724	N20	E23	.452	9037	26.4	33	-N							
GRP 9918	24	1923	1938	1928	N19	E20	.405	9037	26.3	15	-N			.83				
MCMA	24	1922	1940	1927	N20	E22	.439	9037	26.5	18	-N	C	1927	.41	.50		5 5 5	
SACP	24	1922	1940	1928	N19	E19	.393	9037	26.2	18	-N	C		1.02	1.02		EH	
HUAN	24	1924	1931		N19	E19	.393	9037	26.2	7	-F	1	1927	.88	.88		ET	
BOUL	24	1925	1942	1929	N19	E19	.393	9037	26.2	17	-F	C		1.20	1.30		H	
HALE	24	1929E	1930D		N20	E21	.427	9037	26.4	1D	-N	1	1930	.62	.70			
GRP 9919	24	2014	2109	2043	S21	W02	.442	9035	24.7	55	1F			3.44				
SACP	24	2014U	2215U	2050U	S20	W01	.425	9035	24.8	121U	2F	C		5.81	5.86		4 4 3	
HOUS	24	2035	2100	2038	S19	W02	.411	9035	24.7	25	-F	C		.60	.70	100		
LOCK	24	2037E	2200	2037U	S22	W01	.457	9035	24.8	83D	1N	C	2037	3.00	3.30	20	L	
BOUL	24	2041E	2118D	2046U	S21	W02	.442	9035	24.7	37D	-N	C		1.50	1.70		E	
GRP 9920	24	2157	2217	2203	N10	W11	.207	9034	24.1	20	-N			1.28				
LOCK	24	2155	2220	2205	N10	W12	.222	9034	24.0	25	-N	C	2205	1.20	1.20	20	3 3 3	
HOUS	24	2155	2209	2159	N08	W16	.278	9034	23.7	14	-F	C		.40	.40	100		
HOUS	24	2158	2215	2202	N11	W09	.185	9034	24.2	17	-N	C		.20	.20	200		
SACP	24	2159	2216U	2201	N11	W10	.199	9034	24.2	17U	-N	C		2.04	2.01			
HALE	24	2321	2347	2325	S17	W04	.383	9035	24.7	26	-F	1	2325	.15	.20			
HALE	24	2334	2340	2335	N20	E20	.414	9037	26.5	6	-F	1	2335	.21	.22			
CRON	25	0044	0101	0046	N11	W90	1.000	9025	18.3	17	-F	C		.20	.80		K	
CRON	25	0044	0101	0054	N11	W90	1.000	9025	18.3	17	-F	C						
CRON	25	0046	0059	0050	N22	W90	.999	9025	18.3	13	-N	C		.20	.80			
CRON	25	0227	0247	0230	N11	W90	1.000	9025	18.4	20	-F	C		.20	.80			
CRON	25	0237	0247	0242	S21	E85	.999	9045	31.5	10	-F	C		.20	.70			
ATHN	25	0712	0725	0713	N08	W22	.375	9034	23.6	13	-N	2	0713	.50	.50			

# SOLAR FLARES

## OCTOBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	1967 OCT																		
CRON	25	0743	0753	0747	S18	E80	.991	9043	31.3	10	-F	C		.20	.60				
ATHN	25	0753	0758	0754	N08	W21	.359	9034	23.8	5	-N	2	0754	.33	.40				
GRP 9930	25	0832	0851	0832	N09	W26	.440	9034	23.4	19	-B			.52				2 2 2	
ATHN	25	0831	0853	0832	N07	W28	.468	9034	23.3	22	-B	2	0832	.83	.90				
CAPS	25	0832	0849		N10	W23	.396	9034	23.6	17	-B	3	0835	.20	.20	196		D	
GRP 9931	25	1018	1028	1021	N10	W17	.302	9034	24.2	10	-F			.74				2 2 2	
CANA	25	1017	1022	1019	N10	W17	.302	9034	24.2	5	-F	C		.40	.40				
CAPE	25	1019	1033	1022	N10	W17	.302	9034	24.2	14	-N	C	1022	1.07	1.10			HV	
GRP 9932	25	1033	1045	1035	N15	W29	.503	9034	23.3	12	-N			.49				2 2 2	
ATHN	25	1032	1046	1035	N10	W30	.502	9034	23.2	14	-N	2	1035	.66	.70				
CAPE	25	1034	1043	1035	N19	W28	.510	9034	23.3	9	-N	C	1035	.31	.40				
ATHN	25	1235E	1250	1240	N10	W30	.502	9034	23.3	150	-N	2	1240	.66	.70				
GRP 9934	25	1335	1442	1349	N09	W24	.409	9034	23.8	67	1N			5.07				5 5 4	
CAPS	25	1305	1427		N10	W23	.396	9034	23.8	82	2N	2	1347	9.00	10.00	204		FHK	
CAPE	25	1316	1449	1350	N09	W24	.409	9034	23.8	93	2N	C	1330	5.69	6.30			FJKH	
SACP	25	1327E	1444	1348	N09	W23	.393	9034	23.8	77D	1B	C		3.53	3.53				
MCPA	25	1338E	1510D	1350	N09	W25	.424	9034	23.7	92D	1B	C	1350	2.06	2.30			F	
HOUS	25	1341	1420	1346	N07	W23	.390	9034	23.8	39	-N	C		1.00	1.10	200		E	
GRP 9934	25	1327	1421	1335	N11	W24	.414	9034	23.8	54	-N			2.47				5 5 3	
HOUS	25	1327	1341	1333	N07	W23	.390	9034	23.8	14	-N	C		.30	.30	200			
MONT	25	1327	1352D	1335	N08	W27	.454	9034	23.5	250	1B	C	1335	3.09					
LOCA	25	1327	1425	1335	N19	W23	.445	9034	23.8	58	-N	V	1335	1.68	1.80				
CAPE	25	1328	1449	1340	N09	W18	.314	9034	24.2	81	-N	C	1340	.36	.40				
ATHN	25	1333E	1419	1333	N10	W30	.502	9034	23.3	460	1N	2	1333	2.64	3.00				
GRP 9934	25	1407	1439	1412	N10	W24	.411	9034	23.8	32	1N			6.76				2 2 1	
CAPE	25	1316	1449	1411	N09	W23	.393	9034	23.8	93	2N	C	1411	6.76	7.40				
CAPE	25	1403	1418	1411	N12	W18	.327	9034	24.2	15	-N	C	1411	1.43	1.50			J	
ATHN	25	1410	1429	1412	N10	W28	.472	9034	23.5	19	-N	2	1410	.99	1.10				
GRP 9935	25	1444	1505	1451	N10	W31	.517	9034	23.3	21	-N			.70				5 5 5	
CAPE	25	1443	1519	1501	N10	W30	.502	9034	23.4	36	-N		1501	.86	1.00			K	
CAPS	25	1444	1458		N11	W30	.504	9034	23.4	14	-N	1	1450	1.20	1.40	160		E	
SACP	25	1444E	1512	1447	N10	W30	.502	9034	23.4	28D	-N	C		.40	.42				
HOUS	25	1445	1457	1449	N08	W31	.514	9034	23.3	12	-N	C		.30	.30	200			
ATHN	25	1445	1458	1447	N10	W32	.531	9034	23.2	13	-N	2	1447	.72	.80				
CAPE	25	1521	1529	1524	N19	E31	.549	9041	28.0	8	-F	C	1524	.45	.50				
LOCK	25	1536	1545	1539	N11	W25	.430	9034	23.8	9	-F	C	1539	.40	.40	10			
GRP 9938	25	1559	1629	1615	N11	W26	.445	9034	23.7	30	-F			.55				2 2 2	
HUAN	25	1558	1605	1601	N10	W25	.427	9034	23.8	7	-F	2	C	1601	.45	.46			E
LOCK	25	1600	1626	1615	N11	W26	.445	9034	23.7	26	-F	C	1615	.60	.70	10			
HUAN	25	1611	1631	1614	N10	W26	.442	9034	23.7	20	-N	2	C	1614	.50	.50			E
GRP 9939	25	1654	1701	1657	N10	W25	.427	9034	23.8	7	-F			.50				3 3 3	
HOUS	25	1654	1700	1656	N10	W25	.427	9034	23.8	6	-F	C		.40	.40	100			
LOCK	25	1654	1704	1658	N11	W26	.445	9034	23.8	10	-F	C	1658	.60	.70	10		J	
SACP	25	1655	1700	1656	N10	W25	.427	9034	23.8	5	-F	C		.51	.51				
HOUS	25	1815	1823	1816	N09	W78	.976	9027	19.9	8	-F	C		.30	.90	100			
HUAN	25	1850	1854D		N10	W26	.442	9034	23.8	4D	-F	2	C	1854	.21	.21			DH
GRP 9942	25	1916	1926	1919	N19	E42	.685	9041	29.0	10	-F			.33				3 3 3	
HOUS	25	1915	1925	1919	N19	E42	.685	9041	29.0	10	-F	C		.20	.30	100			
LOCK	25	1915	1927	1920	N17	E43	.691	9041	29.0	12	-F	C	1920	.50	.70	10			
SACP	25	1917	1925	1919	N20	E42	.688	9041	29.0	8	-N	C		.30	.35				
HUAN	25	1948	2009	1950	N10	W31	.517	9034	23.5	21	-F	2	C	1950	.31	.32			E
GRP 9944	25	2107	2115	2109	N10	W35	.574	9034	23.3	8	-N			.58				4 4 4	
HUAN	25	2043	2107		N10	W30	.502	9034	23.6	24	-F	2	C	2046	.21	.21			D
SACP	25	2106	2116	2108	N10	W35	.574	9034	23.3	10	-N	C		.51	.54				
LOCK	25	2106	2117	2110	N09	W36	.587	9034	23.2	11	-N	C	2110	.70	.80	20			
HOUS	25	2108	2118	2109	N10	W37	.602	9034	23.1	10	-N	C		.90	1.10	200			



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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 Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 OCT																	
GRP 9963	26	1633	1640	1636	N10	W41	.655	9034	23.6	7	-F							3 3 3
LOCK	26	1632	1642	1636	N12	W41	.657	9034	23.6	10	-F	C	1636	.97 .90	1.20		10	
SACP	26	1633	1642	1636	N09	W41	.654	9034	23.6	9	-N	C		1.31	1.47			
HOUS	26	1634	1637	1636U	N09	W42	.667	9034	23.5	3	-F	C		.70	.90		100	
GRP 9964	26	1706	1721	1709	N19	E06	.262	9037	27.2	15	-F			.33				2 2 2
LOCK	26	1706	1719	1710	N18	E06	.247	9037	27.2	13	-F	C	1710	.40	.40		10	
HALE	26	1706	1722	1708	N20	E07	.284	9037	27.2	16	-F	1 C	1708	.26	.30			
HALE	26	1707	1717	1708	N18	E05	.240	9037	27.1	10	-F	1 C	1708	.21	.22			
GRP 9965	26	1722	1736	1725	N11	W40	.643	9034	23.7	14	-F			.34				2 2 2
HUAN	26	1721	1732		N10	W41	.655	9034	23.6	11	-F	1 C	1726	.31	.35			E
HALE	26	1722	1739	1725	N11	W38	.617	9034	23.9	17	-F	1 C	1725	.36	.50			
HUAN	26	1918	1925D		N10	W44	.693	9034	23.5	7D	-F	1 C	1922	.21	.24			D
GRP 9967	26	1936	1951	1939	N20	W01	.260	9037	26.7	15	-F			.78				4 4 4
LOCK	26	1933	1955	1939	N20	W03	.264	9037	26.6	22	-F	C	1939	.80	.80		10	
SACP	26	1936	1948	1940	N20	W04	.268	9037	26.5	12	-N	C		1.09	1.08			
HOUS	26	1937	1942	1938	N20	E05	.272	9037	27.2	5	-F	C		.40	.40		100	
HALE	26	1938	1957D	1939U	N20	W03	.264	9037	26.6	19D	-F	1 P	1939	.83	.90			
HALE	26	1948	1955	1950	N08	W35	.572	9034	24.2	7	-F	1 C	1950	.21	.30			
GRP 9969	26	2015	2026	2017	N20	W04	.268	9037	26.5	11	-F			.85				2 2 2
LOCK	26	2012	2025	2015	N20	W03	.264	9037	26.6	13	-F	C	2015	.70	.70		10	
SACP	26	2017	2027	2018	N20	W05	.272	9037	26.5	10	-F	C		1.00	.98			
BOUL	26	2135	2149	2138	N20	W04	.268	9037	26.6	14	-F	C		.60	.60			
GRP 9971	26	2139	2144	2140	N09	W44	.693	9034	23.6	5	-F			.63				3 3 3
LOCK	26	2138	2144	2140	N10	W45	.705	9034	23.5	6	-F	C	2140	.50	.70		10	
HOUS	26	2139E	2143	2141	N09	W44	.693	9034	23.6	4D	-F	C		.30	.40		100	
SACP	26	2139	2146	2140	N09	W44	.693	9034	23.6	7	-N	C		1.09	1.27			
GRP 9972	26	2204	2216	2210	N14	W30	.513	9034	24.7	12	-F			.45				2 2 2
LOCK	26	2203	2217	2210	N14	W30	.513	9034	24.7	14	-F	C	2210	.30	.40		10	
SACP	26	2205	2214	2209	N13	W30	.510	9034	24.7	9	-N	C		.60	.63			
SACP	26	2205	2218	2208	N15	W71	.942	9032	21.6	13	-N	C		.51	.97			
GRP 9974	26	2205	2225	2209	N22	W04	.300	9037	26.6	20	-F			1.30				4 4 3
BOUL	26	2204E	2211D	2208U	N21	W05	.288	9037	26.5	7D	-F	C		1.10	1.10			
SACP	26	2204	2231	2209	N20	W05	.272	9037	26.5	27	-N	C		1.80	1.77			
LOCK	26	2205	2230	2210	N20	W05	.272	9037	26.5	25	-N	C	2210	1.00	1.00		20	
HOUS	26	2206	2215	2208	N20	E05	.272	9037	27.3	9	-F	C		.30	.30		100	
LOCK	26	2217	2330	2250	N31	W17	.508	9037	25.7	73	-F	C	2250	1.50	1.80		10	L
LOCK	26	2225	2240	2230	N14	W30	.513	9034	24.7	15	-F	C	2230	.30	.40		10	
GRP 9976	26	2247	2339	2249	N16	W71	.942	9032	21.6	52	-F			.66				2 2 2
SACP	26	2247	2337	2249	N15	W71	.942	9032	21.6	50	-N	C		.61	1.17			
LOCK	26	2255	2340	2310	N16	W70	.936	9032	21.7	45	-F	C	2310	.70	1.70		10	
GRP 9977	26	2300	2346	2330	N14	W30	.513	9034	24.7	46	-F			.40				2 1 1
LOCK	26	2300	2345U	2308	N14	W30	.513	9034	24.7	45U	-F	C	2308	.40	.50		10	K
LOCK	26	2300	2345U	2330	N14	W30	.513	9034	24.7	45U	-F	C	2330	.40	.50		10	K
SACP	26	2341	2346	2342	N14	W54	.808	9034	22.9	5	-N	C		.56	.74			
GRP 9978	26	2344	2358	2347	N19	W06	.262	9037	26.5	14	-N			.83				3 3 3
LOCK	26	2325	2345U	2330	N18	W07	.254	9037	26.5	20U	-F	C	2330	.50	.50		10	
MANI	26	2343	0003	2345	N20	W05	.272	9037	26.6	20	-N	2	2345	.46	.48			
SACP	26	2344	2352	2348	N20	W06	.278	9037	26.5	8	-N	C		1.53	1.50			
GRP 9979	27	0219	0232	0225	N10	W42	.668	9034	23.9	13	1N			1.51				3 3 3
MANI	27	0219E	0230	0220	N10	W41	.655	9034	24.0	11D	-F	2	0220	.83	1.22			
CRON	27	0219E	0232	0226	N10	W41	.655	9034	24.0	13D	1N	C		2.10	2.70			
KODA	27	0225E	0234	0228	N10	W45	.706	9034	23.7	9D	1N	V	0226	1.61	2.20	1.88		EH
CRON	27	0500	0520	0502U	N17	W75	.962	9032	21.6	20	-F	C		.40	1.10			
ATHN	27	0520E	0529	0520	N07	W49	.752	9034	23.5	9D	-N	1	0520	.99	1.40			
GRP 9982	27	0531	0549	0538	N20	W09	.300	9037	26.6	18	-N			2.41				3 3 2
MANI	27	0530	0547	0540	N20	W08	.292	9037	26.6	17	-F	2	0540	.46	.49			
ATHN	27	0532	0555	0535	N19	W11	.305	9037	26.4	23	-N	1	0535	1.16	1.20			
TACH	27	0535E	0545		N21	W08	.307	9037	26.6	10D	1N	V	0536	3.65	3.80	2.60	87	E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.												
	1967																	
	OCT																	
GRP 9983	27	0636	0658	0641	N20	W09	.300	9037	26.6	22	-F							
CAPE	27	0634	0658	0642	N19	W10	.295	9037	26.5	24	1N							
MANI	27	0637	0651D	0639	N20	W08	.292	9037	26.7	140	-F	2	C	0642	2.41	2.50	2 2 1	
														0639	.41	.43	F	
CAPE	27	0841	0847	0843	N14	W27	.471	9034	25.3	6	-F			0843	.76	.90		
CAPE	27	0851	0915	0902	N19	E40	.662	9044	30.4	24	-F			0902	.58	.80		
CATA	27	0900	0905	0900	N09	W50	.763	9034	23.6	5	-B			0900	1.07	1.71	212	
GRP 9987	27	0918	0946	0920	N10	W51	.775	9034	23.6	28	-N				1.48			
CAPS	27	0914E	0952		N09	W57	.836	9034	23.1	38D	1B	3		0921	2.20	3.50	246	
MONI	27	0916	1015	0920	N10	W52	.785	9034	23.5	59	1B			0920	2.06		10 10 10	
ABST	27	0917E	0950D	0919	N10	W51	.775	9034	23.6	33D	1N			C 0919	1.35	2.16	EJ	
WEND	27	0917E	0938		N09	W49	.752	9034	23.7	21D	1N			V	3.09			
CAPE	27	0918	0937	0919	N09	W50	.763	9034	23.6	19	-N			C 0919	1.07	1.70	FJT	
BUCA	27	0918E	0953D		N10	W50	.764	9034	23.6	35D	1N			C 0924	1.76	2.70		
CRON	27	0919	0931	0921	N18	W49	.762	9034	23.7	12	-N			C	.90	1.40	E	
ARCE	27	0920	0945	0923	N09	W51	.774	9034	23.6	25	-N			C 0923	1.03	1.60		
SALU	27	0922	0937		N08	W48	.741	9034	23.8	15	-N			V 0930	.83	1.10	1.40	
LOCA	27	0930E	0945		N09	W50	.763	9034	23.6	15D	-N			S 0930	.53	.80		
GRP 9988	27	0920	0932		N20	E90	1.000	9048	3.1	12	1N				.83		2 2 2	
ARCE	27	0920	0930		N19	E90	1.000	9048	3.1	10	1N			C 0923	.46	2.60		
CAPS	27	0920E	0933		N20	E90	1.000	9048	3.1	13D	1N	3		0923	1.20		115	
CAPE	27	0950	1011	0954	N19	E20	.408	9041	28.9	21	-N			C 0954	1.79	2.00	F	
GRP 9990	27	1019	1051	1026	N20	W11	.318	9037	26.6	32	-N				2.07			
CAPE	27	1012	1111	1026	N21	W11	.331	9037	26.6	59	-N			C 1026	1.84	1.90	4 4 4	
CAPE	27	1012	1111	1056	N21	W11	.331	9037	26.6	59	1N			C 1056	2.10	2.20	FK	
WEND	27	1019	1046		N20	W10	.309	9037	26.7	27	1N			V	3.09			
CAPS	27	1022E	1041		N19	W10	.295	9037	26.7	19D	1N	3		1026	2.30	2.30	182	
MONI	27	1023	1045	1025	N19	W13	.325	9037	26.5	22	-N			C 1025	1.03			
CAPE	27	1054	1103	1056	N19	E20	.408	9041	29.0	9	-F			C 1056	.89	1.00	H	
GRP 9992	27	1107	1129	1110	N09	W46	.717	9034	24.0	22	1N				1.74		5 5 5	
WEND	27	1106	1125		N08	W46	.717	9034	24.0	19	1N			V	3.09			
ABST	27	1107E	1119D	1109	N08	W48	.741	9034	23.9	12D	1N			C 1109	1.89	2.80	EJ	
CAPE	27	1107	1129	1110	N09	W46	.717	9034	24.0	22	1B			C 1110	1.89	2.70	FV	
MONI	27	1108	1135	1110	N10	W44	.693	9034	24.2	27	-B			C 1110	1.03			
CAPS	27	1110E	1125		N10	W45	.706	9034	24.1	15D	-N	3		1114	.80	1.10	190	
CAPE	27	1120	1130	1122	N20	W19	.405	9037	26.0	10	-F			C 1122	.36	.40		
CAPE	27	1147	1205D	1155	N21	W19	.415	9037	26.1	18D	-N			C 1155	.50	.50	H	
GRP 9995	27	1206	1225	1208	N19	E20	.408	9041	29.0	19	-F				.39		2 2 2	
MONI	27	1206	1225	1208	N18	E20	.399	9041	29.0	19	-N			C 1208	.52			
HUAN	27	1207E	1209D		N19	E19	.396	9041	28.9	2D	-F	1		P 1209	.25	.25	D	
GRP 9996	27	1236	1258	1242	N20	W13	.337	9037	26.6	22	-N				2.04		2 2 2	
CAPE	27	1234	1301	1240	N19	W14	.336	9037	26.5	27	1N			C 1240	3.04	3.20	F	
MONI	27	1237	1255	1243	N20	W11	.318	9037	26.7	18	-N			C 1243	1.03			
CAPE	27	1238	1302	1249	N11	W57	.836	9034	23.3	24	-N			C 1249	.50	.90		
GRP 9998	27	1428	1441	1429	S18	E85	.998	9047	3.0	13	-F				.53		2 2 2	
CAPE	27	1428	1438	1428	S18	E90	1.000	9047	3.4	10	-F			C 1428	.36		A	
SACP	27	1428	1443	1429	S18	E80	.990	9047	2.6	15	1N			C	.70			
GRP 9999	27	1442	1456	1448	N09	W53	.796	9034	23.6	14	-N				2.30		4 4 3	
WEND	27	1438E	1452		N09	W52	.785	9034	23.7	14D	1N			V	3.09			
CAPE	27	1444	1507	1448	N09	W53	.796	9034	23.6	23	1N			C 1448	2.51	4.20	K	
CAPE	27	1444	1507	1458	N09	W53	.796	9034	23.6	23	-N			C 1458	1.07	1.80		
SACP	27	1444	1455	1446	N09	W52	.785	9034	23.7	11	-N			C	1.21	1.55		
HUAN	27	1448E	1450		N09	W53	.796	9034	23.6	2D	-B	1		P 1448	.62	.80		
SACP	27	1456	1505	1457	N09	W53	.796	9034	23.6	9	-N			C	1.30	1.71		
HUAN	27	1615	1623		N10	W55	.816	9034	23.6	8	-F	1		C 1617	.21	.28	D	
GRP10001	27	1645	1715	1653	N11	W50	.764	9034	23.9	30	-N				.95		4 4 4	
LOCK	27	1644	1740	1654	N11	W50	.764	9034	23.9	56	-N			C 1654	1.00	1.60	20	
SACP	27	1646	1713D	1649	N10	W51	.775	9034	23.9	27D	-N			C	1.59	2.02		
HUAN	27	1648E	1657		N10	W51	.775	9034	23.9	9D	-N	1		C 1649	.41	.52	E	
HOU5	27	1650E	1708U	1656	N11	W52	.786	9034	23.8	18U	-F			C	.80	1.30	100	
HUAN	27	1727E	1751		N12	W46	.719	9034	24.3	24D	-F	1		C 1732	.25	.30	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 H $\alpha$		MAX. INT. %
					LAT.	MER. DIST.												
	1967 OCT																	
LOCK	27	1832	1855	1838	N21	E16	.381	9041	29.0	23	-F	C	1838	.30	.30	10		
GRP10005	27	1846	1859	1849	N19	W17	.371	9037	26.5	13	-F			.60			2 2 2	
LOCK	27	1845	1900	1850	N18	W17	.361	9037	26.5	15	-F	C	1850	.50	.60	10		
SACP	27	1846	1857	1848	N19	W17	.371	9037	26.5	11	-N	C		.70	.70			
LOCK	27	1926	1940	1931	N09	W58	.845	9034	23.5	14	-F	C	1931	.70	1.30	10		
GRP10005	27	1942	1953	1945	S21	E87	1.000	9047	3.3	11	-F			.47			3 3 3	
LOCK	27	1940	1954	1944	S22	E90	1.001	9047	3.6	14	-F	C	1944	.30	1.20	10		
BOUL	27	1942	1952	1945	S22	E90	1.001	9047	3.6	10	-N	C		.30	1.20			
SACP	27	1944	1952	1946	S21	E82	.995	9047	3.0	8	1F	C		.80				
BOUL	27	1946	1950	1947	S20	E90	1.000	9047	3.6	4	-F	C		.10	.40			
GRP10009	27	1945	1956	1949	N16	W80	.982	9032	21.8	11	1F			.76			2 2 2	
LOCK	27	1941	1957	1948	N16	W78	.975	9032	22.0	16	1F	C	1948	.60	2.80	10		
SACP	27	1948	1954	1950	N15	W81	.985	9032	21.7	6	1F	C		.91				
GRP10007	27	2002	2012	2005	N13	W34	.567	9037	25.3	10	-F			.27			3 3 3	
LOCK	27	2001	2010	2005	N12	W34	.564	9037	25.3	9	-F	C	2005	.30	.40	10		
HOUS	27	2002	2006D	2005	N13	W35	.580	9037	25.2	4D	-F	C		.20	.20	100		
BOUL	27	2003	2014	2005	N13	W33	.553	9037	25.4	11	-F	C		.30	.40			
LOCK	27	2029	2034	2030	S21	W90	1.000	9036	21.1	5	-F	C	2030	.30	1.20	10		
GRP10009	27	2030	2036	2031	S19	E87	1.000	9047	3.4	6	-N			.53			3 3 3	
SACP	27	2029	2037	2031	S17	E82	.994	9047	3.0	8	1N	C		.90				
HOUS	27	2030	2035	2031	S20	E90	1.000	9047	3.6	5	-N	C		.30	1.20	200		
BOUL	27	2030	2036	2032	S21	E90	1.000	9047	3.6	6	-N	C		.40	1.60			
LOCK	27	2111	2121	2114	N21	W23	.462	9037	26.2	10	-F	C	2114	.40	.40	10		
GRP10011	27	2147	2204	2149	N09	W57	.836	9034	23.6	17	-F			.35			2 2 2	
SACP	27	2147	2204	2149	N09	W56	.826	9034	23.7	17	-N	C		.50	.68			
HOUS	27	2148E	2149D	2149U	N08	W58	.845	9034	23.6	1D	-F	C		.20	.30	100		
SACP	27	2250	2300	2253	N08	W57	.836	9034	23.7	10	-F	C		.70	.98			
GRP10013	27	2325	0000	2335	N10	W62	.880	9034	23.3	35	-F			.56			2 2 2	
LOCK	27	2325	0000U	2340	N09	W63	.888	9034	23.3	35U	-F	C	2340	.40	.80	10		
SACP	27	2325	2356D	2330	N10	W60	.863	9034	23.5	31D	-N	C		.71	1.05			
GRP10014	28	0144	0159	0148	N22	W27	.519	9037	26.0	15	-F			1.36			2 2 2	
MANI	28	0144	0156	0149	N20	W23	.455	9037	26.3	12	-F	2	0149	.62	.70			
CRON	28	0144	0201	0146	N23	W30	.562	9037	25.8	17	1N	C		2.10	2.50		EH	
GRP10015	28	0410	0427	0414	N21	W29	.537	9037	26.0	17	-N			1.53			2 2 2	
CRON	28	0405	0432	0411	N21	W28	.525	9037	26.1	27	-N	C		1.00	1.20		EHK	
CRON	28	0405	0432	0419	N21	W28	.525	9037	26.1	27	-N	C						
MITK	28	0415	0422	0416	N21	W29	.537	9037	26.0	7	1N	C	0416	2.06	2.40			
GRP10016	28	0631	0638	0632	N21	W29	.537	9037	26.1	7	-F			.80			2 2 2	
CAPE	28	0630	0638	0632	N21	W29	.537	9037	26.1	8	-N	C	0632	1.30	1.50		HV	
CRON	28	0631	0638	0632	N21	W29	.537	9037	26.1	7	-F	C		.30	.40		EHI	
CAPE	28	0635	0659	0639	N18	E11	.293	9041	29.1	24	-F	C	0639	.89	.90			
CAPE	28	0729	0740	0732	N20	E11	.319	9041	29.1	11	-F	C	0732	.80	.80			
GRP10019	28	0746	0807	0754	N21	W30	.549	9037	26.1	21	-N			.51			3 3 3	
MONI	28	0738	0810	0753	N21	W31	.562	9037	26.0	32	-N	C	0753	.52				
CAPE	28	0749	0805	0754	N21	W30	.549	9037	26.1	16	-N	C	0754	.72	.90		HV	
CRON	28	0752	0806	0756	N22	W30	.556	9037	26.1	14	-F	C		.30	.40		HI	
GRP10020	28	0748	0832	0815	N11	W65	.903	9034	23.5	44	1N			2.43			3 3 2	
CAPE	28	0739	1058	0822	N10	W66	.910	9034	23.4	199	2N		0822	4.21	10.50		FK	
CRON	28	0756	0835	0801	N13	W69	.930	9034	23.2	39	-N	C		.20	.50			
CRON	28	0804	0835	0809	N10	W65	.903	9034	23.5	31	-F	C		.70	1.50		E	
KODA	28	0810E	0828	0815	N11	W63	.888	9034	23.6	18D	-N	V	0812	.64	1.40	1.72	D	
CRON	28	0816	0822	0819	S21	E80	.991	9047	3.3	6	-F	C		.10	.30			
CAPE	28	0821	0916	0843	N18	E10	.283	9041	29.1	55	-F	C	0843	1.17	1.20			
GRP10023	28	0846	0920	0856	N16	W90	1.000	9032	21.6	34	-F			.22			3 3 3	
CAPE	28	0841	0917	0858	N16	W90	1.000	9032	21.6	36	-F	C	0858	.27				
CATA	28	0845	0930	0855	N16	W90	1.000	9032	21.6	45	-N			.18		160		
CRON	28	0851	0912	0854	N17	W90	1.000	9032	21.6	21	-F	C	0855	.20	.80			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.												
GRP10024 CAPE KHAR MONI	1967 OCT																	
	28	0915	0932	0922	N10	W69	.931	9034	23.2	17	1N							
	28	0739	1058	0925	N10	W67	.917	9034	23.3	199	2N	0925	3.32					3 3 2
	28	0854E	0934D		N08	W70	.937	9034	23.1	40D	1F	0915	4.93	12.90				D
GRP10024 CATA MONT SALO	28	0848	1030	0855	N10	W68	.924	9034	23.3	102	-B							
	28	0845	1030	0855	N10	W65	.903	9034	23.5	105	1B	0855	1.53					3 2 2
	28	0850	0855D	0855	N11	W72	.948	9034	23.0	5D	-N	C 0855	2.03					222
	28	0945	1000		N10	W66	.910	9034	23.5	15	-N	V 0950	1.03	1.70	1.30			
GRP10025 CATA CAPE CAPE	28	0920	0946	0924	N19	W24	.460	9037	26.6	26	-N							
	28	0920	0950	0925	N19	W24	.460	9037	26.6	30	-N	0925	.96					2 2 2
	28	0920	0942	0923	N19	W24	.460	9037	26.6	22	-N	C 0923	.74	.84				174
	28	0920	0942	0927	N19	W24	.460	9037	26.6	22	-N	C 0927	1.17	1.30				FKT
GRP10029 CANA SALO ABSI CAPE CATA CAPE	28	0946	1003	0949	N21	W28	.525	9037	26.3	17	-F							
	28	0942	0957	0943	N20	W28	.518	9037	26.3	15	-F	C	.81					5 5 5
	28	0945	0955		N20	W16	.371	9037	27.2	10	-F	V 0950	.40	.50				1.20
	28	0946E	0952D	0948	N21	W32	.574	9037	26.0	6D	-F	C 0948	.33	.40				D
	28	0947	0958	0948	N21	W31	.562	9037	26.1	11	-N	C 0948	1.08	1.33				HV
	28	0950	1020	0950	N21	W31	.562	9037	26.1	30	-N	C 0950	1.65	2.00				182
GRP10029 CANA CAPE KHAR CAPE CATA	28	0956	1004	1000	S20	E90	1.000	9047	4.2	8	-F							
	28	0952	1000	0957	S21	E90	1.000	9047	4.2	8	-F	C	.45					2 2 2
	28	1000	1007	1002	S19	E90	1.000	9047	4.2	7	-N	C 1002	.40	1.60				V
	28	1002E	1010D		S17	E87	1.000	9047	3.9	8D	1N	P 1004	.50					4.20
	28	1048	1109	1101	N08	W02	.066	9041	28.3	21	-F	C 1101	.86	1.20				H
	28	1125	1145	1135	N13	W67	.917	9034	23.5	20	-N	1135	1.21					170
GRP10032 CAPE ATHN CAPS CAPE	28	1146	1223	1206	S21	E77	.984	9047	3.3	37	-N							
	28	1146	1231	1206	S21	E77	.984	9047	3.3	45	-N	1206	1.01					3 3 3
	28	1205E	1220D	1205	S23	E75	.979	9047	3.1	15D	-N	1205	.86					K
	28	1211E	1218		S20	E78	.986	9047	3.4	7D	1N	1 2 1211	.66					164
	28	1150	1227	1201	N12	W70	.936	9034	23.2	37	-F	C 1201	1.50	2.00				B
GRP10034 CANA CANA CAPE	28	1154	1215	1157	S24	E90	1.001	9047	4.2	21	-N							
	28	1154	1215	1157	S24	E90	1.001	9047	4.2	21	-N	C	.40					1 1 1
	28	1154	1215	1201	S24	E90	1.001	9047	4.2	21	-N	C	.40	1.40				K
	28	1243	1304	1249	S18	E72	.964	9047	2.9	21	1F	C 1249	.86					T
GRP10036 MCPA HUAN SANM CANA	28	1459	1552	1510	S21	E33	.661	9045	31.1	53	-N							
	28	1406	1600D		S24	E37	.721	9045	31.4	114D	1N	C 1500	1.37					4 4 4
	28	1456E	1525D		S20	E34	.664	9045	31.2	29D	-N	C 1506	3.09	4.10				FK
	28	1502	1521D	1508	S19	E30	.615	9045	30.9	19D	-F	P 1508	1.03	1.15				E
	28	1510E	1543	1511U	S21	E30	.631	9045	30.9	33D	-N	C	.65	.85				E
GRP10036 MONT HOUS LOCK	28	1406	1530	1451	S22	E40	.736	9045	31.6	84	1F							
	28	1406	1521D		S25	E45	.797	9045	1.0	75D	2N	C 1521	3.57					3 2 2
	28	1409	1413	1411	S20	E42	.745	9045	31.7	4	-F	C	4.13					
	28	1530E	1530D	1530E	S20	E33	.654	9045	31.1		1F	C 1530	.20	.30				100 10
GRP10036 SACP CAPE	28	1302	1614	1444	S22	E35	.688	9045	31.2	192	1F							
	28	1302	1614	1444U	S22	E35	.688	9045	31.2	192	1F	C	5.54					2 2 2
	28	1406	1446D		S21	E34	.671	9045	31.1	40D	2F	P 1445	2.83	3.25				CFL
GRP10037 HUAN CAPE SACP CAPE	28	1330	1349	1332	N19	W26	.486	9037	26.6	19	-F							
	28	1329	1346D		N19	W26	.486	9037	26.6	17D	-F	1 C 1334	.85	.64				2 2 2
	28	1330	1349	1332	N19	W26	.486	9037	26.6	19	-N	C 1332	.62	1.20				E FT
	28	1351	1448	1418	N13	W68	.924	9034	23.5	57	-F	C	1.07					
GRP10040 SACP WEND MCPA HUAN HOUS	28	1426	1433	1427	N11	W05	.138	9041	28.2	7	-F	C 1427	.61	1.08				C
	28	1455	1516	1500	S17	E72	.963	9047	3.0	21	-N							
	28	1448	1526	1500	S16	E70	.952	9047	2.9	38	-N	C	1.95					4 4 2
	28	1456E	1505		S18	E70	.954	9047	2.9	9D	1F	V	.80	1.65				
	28	1458	1503D	1500	S18	E73	.968	9047	3.1	5D	-B	P 1500	3.09					E
	28	1459	1501D		S16	E76	.978	9047	3.3	2D	-F	1 P 1500	.31	1.20				E
	28	1459	1506	1501	N37	W80	.982	9033	22.6	7	-F	C	.35					100



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
CRON	29	0521	0525	0523	S21	E58	.886	9047	2.6	4	-F	C		.10	.20				
CRON	29	0633	0644	0636	N18	W80	.982	9034	23.3	11	-F	C		.20	.60				
CRON	29	0721	0729	0724	S20	E55	.861	9047	2.4	8	-F	C		.20	.50				
GRP10067	29	0832	0904	0836	N19	W07	.273	9041	28.8	32	-F			1.39			4 4 3		
ABST	29	0826E	0845D	0838	N18	W06	.251	9041	28.9	19D	1F	C	0838	2.52	2.62		E		
CANA	29	0832E	0900	0836U	N20	W08	.295	9041	28.8	28D	-F	C		.70	.70				
CATA	29	0835	0916	0835	N19	W08	.281	9041	28.8	41	-N		0835	.96	1.00	186	E		
MEUD	29	0835	0856		N18	W07	.258	9041	28.8	21	-N	C							
CANA	29	0917	0932	0919	S20	E49	.810	9047	2.1	15	-F	C		.10	.20				
CATA	29	0950	1010	0955	S19	E65	.928	9047	3.3	20	-N		0955	.29		195			
CATA	29	1000	1010	1000	N07	W75	.964	9034	23.8	10	-N		1000	.20		159			
CANA	29	1022E	1033	1023U	N16	W09	.248	9041	28.8	11D	-F	C		.20	.20				
CAPE	29	1046	1050	1047	N09	W80	.983	9034	23.4	4	-F	C	1047	.50					
GRP10073	29	1145	1158	1147	N10	W79	.979	9034	23.6	13	-N			.59			3 3 3		
CAPE	29	1144	1159	1146	N10	W79	.979	9034	23.6	15	-N	C	1146	.89			V		
HUAN	29	1145	1155	1147	N10	W80	.983	9034	23.5	10	-F	2	C	1147	.37		160	E	
CAPS	29	1145E	1201		N09	W77	.972	9034	23.7	16D	-N	3		.50			E		
GRP10074	29	1216	1224	1218	N16	W11	.269	9041	28.7	8	-F			.38			3 3 3		
CAPE	29	1215	1225	1219	N14	W17	.328	9041	28.2	10	-F	C	1219	.36	.40				
HUAN	29	1216	1223	1218	N18	W07	.258	9041	29.0	7	-F	2	C	1218	.45	.45		E	
SANM	29	1216	1225	1218	N17	W08	.252	9041	28.9	9	-N	C	1218	.32	.33				
CANA	29	1255	1303	1301	S20	E49	.810	9047	2.2	8	-F	C		.10	.20				
CANA	29	1311E	1315D	1313U	S24	E72	.969	9047	3.9	4D	-F	C		.40	1.10				
HUAN	29	1312	1318	1313	N19	W11	.307	9041	28.7	6	-F	2	C	1313	.25	.25		D	
GRP10078	29	1316	1334	1324	S22	E69	.954	9047	3.7	18	-N			.61			3 3 3		
HUAN	29	1316	1331	1323	S22	E70	.958	9047	3.8	15	-N	2	C	1323	.50			E	
CAPE	29	1316	1335	1324	S22	E68	.949	9047	3.7	19	-N	C	1324	.67	2.10				
SANM	29	1317	1335	1324	S22	E68	.949	9047	3.7	18	-N	C	1324	.65					
CAPE	29	1320	1345	1325	S19	E77	.983	9047	4.3	25	-F	C	1325	.45					
CAPE	29	1330	1340	1333	N14	W18	.342	9041	28.2	10	-F	C	1333	.40	.40				
CAPE	29	1331	1341	1334	N09	W80	.983	9034	23.6	10	-F	C	1334	.22					
CAPE	29	1341	1349	1343	N13	W85	.995	9034	23.2	8	-F	C	1343	.67					
GRP10083	29	1400	1406	1402	N19	W08	.281	9041	29.0	6	-F			.53			2 2 2		
CAPE	29	1359	1408	1402	N19	W07	.273	9041	29.1	9	-F	C	1402	.80	.80				
HUAN	29	1400	1404	1401	N18	W08	.266	9041	29.0	4	-F	2	C	1401	.25	.25		D	
HUAN	29	1543	1556		N19	W12	.317	9041	28.8	13	-F	1	C	1545	.25	.25		D	
GRP10085	29	1657	1711	1700	N05	W90	1.000	9034	23.0	14	-N			.26			2 2 2		
LOCK	29	1656	1710	1700	N04	W90	1.000	9034	23.0	14	-N	C	1700	.30	1.20	20			
HALE	29	1658	1712	1700	N05	W90	1.000	9034	23.0	14	-N	1	C	1700	.21				
LOCK	29	1840	1905	1846	S25	E69	.957	9047	4.0	25	1F	C	1846	.80	2.20	10	H		
HALE	29	1844	1937	1849	S25	E72	.970	9047	4.2	53	1F	1	P	1849	.83				
GRP10088	29	1903	1922	1912	N13	W22	.395	9041	28.1	19	-N			.46			2 2 2		
LOCK	29	1903	1923	1911	N13	W23	.409	9041	28.1	20	-N	C	1911	.50	.60	20	H		
HALE	29	1906E	1920	1912	N13	W21	.380	9041	28.2	14D	-N	1	P	1912	.41	.42			
HALE	29	2037	2055	2044U	N11	W83	.991	9034	23.6	18	-F	1	C	2044	.21				
HALE	29	2041	2047	2041	S18	E41	.724	9047	1.9	6	-F	1	C	2041	.15	.20			
GRP10091	29	2159	2215	2204	N11	W81	.986	9034	23.8	16	-F			.33			2 2 2		
HUAN	29	2159	2205D		N11	W83	.991	9034	23.7	6D	-F	1	P	2202	.25			D	
HALE	29	2159	2215	2204	N11	W79	.979	9034	24.0	16	-F	1	C	2204	.41				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	GMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %		
	1967 OCT																		
GRP10092	29	2159	2220	2206	S17	E41	.719	9047	2.0	21	-F								2 2 2
HUAN	29	2157	22050		S18	E41	.724	9047	2.0	8D	-F	1	C	2201	.21	.25			D
LOCK	29	2200	2220	2206	S16	E41	.714	9047	2.0	20	-F		C	2206	.40	.60		10	
GRP10093	29	2252	2309	2255	N11	W90	1.000	9034	23.2	17	-B				.61				2 2 2
LOCK	29	2252	2307	2255	N11	W90	1.000	9034	23.2	15	1B		C	2255	.80	3.20		30	
HALE	29	2252	2310	2255	N11	W89	.999	9034	23.3	18	-B	1	C	2255	.41				
LOCK	29	2306	2322	2311	S16	E41	.714	9047	2.0	16	-F		C	2311	.30	.40		10	
GRP10095	29	2330	0002	2338	S17	E41	.719	9047	2.1	32	-F				.46				2 2 2
LOCK	29	2327	0005	2340	S16	E41	.714	9047	2.1	38	-F		C	2340	.30	.40		10	
HALE	29	2333	2359	2336	S18	E41	.724	9047	2.1	26	-N	1	C	2336	.62	.90			
GRP10096	29	2347	0039	0011	N10	W90	1.000	9034	23.2	52	1B				1.92				3 3 2
HALE	29	2346	0051D	0012	N11	W89	.999	9034	23.3	65D	2B	1	P	0012	1.34				KTY
LOCK	29	2348	0015D	0015	N08	W90	1.000	9034	23.2	27D	2B		C	0015	2.50	10.00		30	K
LOCK	29	2348	0015D	2351	N08	W90	1.000	9034	23.2	27D	2B		C	2351	2.50	10.00		30	K
CRON	30	0003	0027	0005	N12	W90	1.000	9034	23.3	24	-N		C		.30	1.20			K
CRON	30	0003	0027	0010	N12	W90	1.000	9034	23.3	24	-N		C						
HALE	29	2348	2354	2349	N14	W14	.286	9041	28.9	6	-F	1	C	2349	.15	.20			
CRON	30	0152	0225	0155	S19	E48	.797	9047	2.7	33	-F		C		.10	.20			K
CRON	30	0152	0225	0209	S19	E48	.797	9047	2.7	33	-F		C						
CRON	30	0227	0237	0229	N12	W81	.986	9034	24.0	10	1F		C		.90	3.00			
GRP10100	30	0411	0426	0416	S19	E43	.748	9047	2.4	15	-F				.20				1 1 1
CRON	30	0411	0426	0416	S19	E43	.748	9047	2.4	15	-F		C		.20	.30			
CRON	30	0415	0425	0416	S19	E46	.778	9047	2.6	10	-F		C		.20	.30			
CRON	30	0530	0541	0534	N22	W12	.357	9041	29.3	11	-F		C		.10	.10			
CAPE	30	0605	0620		S25	E65	.938	9047	4.1	15	-F		P	0610	.44	1.30			B
CAPE	30	0628	0659	0634	N22	W11	.349	9041	29.4	31	-F		C	0634	.44	.50			
ABST	30	0631	0735	0634	S17	E35	.653	9047	1.9	64	-F		C	0634	.90	1.10		55	DJ
CAPE	30	0658	0725	0714	S25	E65	.938	9047	4.2	27	1F		C	0714	.88	2.60			
GRP10106	30	0700	0716	0706	N27	E56	.846	9048	3.5	16	-F				1.28				2 2 1
CAPE	30	0659	0716	0706	N26	E55	.836	9048	3.4	17	1F		C	0706	1.28	2.40			
CRON	30	0700	0715	0702	N27	E59	.870	9048	3.7	15	-F		C		.10	.20			
CRON	30	0702	0714	0706	N27	E55	.838	9048	3.4	12	-F		C		.10	.20			
CAPE	30	0758	0852	0828	S25	E64	.932	9047	4.1	54	2N		C	0828	2.34	6.70			
GRP10107	30	0758	0852	0811	S25	E65	.938	9047	4.2	54	1N		C		1.20				1 1 1
CAPE	30	0758	0852	0811	S25	E65	.938	9047	4.2	54	1N		C	0811	1.20	3.40			
CAPE	30	0758	0852	0806	S24	E64	.930	9047	4.1	54	1F		C	0806	1.90	5.40			K
CAPE	30	0803	0823	0808	N13	W90	1.000	9034	23.6	20	-F		C	0808	.35				K
CAPE	30	1014	1029	1020	N20	W06	.284	9044	30.0	15	-N		C	1020	1.02	1.10			F
MONI	30	1103	1200		N20	W90	1.000	9034	23.7	57	1N		C						
CANA	30	1110	1117	1113	S14	E28	.551	9047	1.6	7	-F		C		.10	.10			
GRP10112	30	1216	1257	1225	S18	E30	.605	9047	1.8	41	-F				.20				3 2 2
CATA	30	1210	1305	1225	S20	E31	.631	9047	1.8	55	-N			1225	.15	.20		166	
HUAN	30	1221	1238		S19	E32	.634	9047	1.9	17	-F	2	C	1223	.25	.28			D
CANA	30	1300	1307	1302	S16	E27	.555	9047	1.6	7	-F		C		.10	.10			
CAPE	30	1229	1306	1246	S25	E61	.915	9047	4.1	37	2N		C	1246	2.57				
CAPE	30	1229	1306	1234	S27	E64	.936	9047	4.3	37	1F		C	1234	1.56				HK
GRP10114	30	1317	1356	1320	N18	W90	1.000	9034	23.8	39	1N				.80				3 3 1
CAPE	30	1316	1334	1320	N16	W90	1.000	9034	23.8	18	1F		C	1320	.80				
MONI	30	1317	1407		N20	W90	1.000	9034	23.8	50	1N		C						
SANM	30	1317	1407		N18	W90	1.000	9034	23.8	50	1N		C						A
CAPE	30	1404	1419	1412	N18	W22	.428	9041	28.9	15	-F		C	1412	.50	.50			
CAPE	30	1412	1429	1417	N15	W22	.407	9041	28.9	17	-F		C	1417	.80	.90			

## SOLAR FLARES

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 OCT																	
GRP10117	30	1430	1516	1445	S18	E32	.627	9049	2.0	46	1B			2.30				7 7 7
CAPE	30	1421	1503D	1451	S18	E31	.616	9049	1.9	42D	1N		1451	2.53	3.30			FT
HUAN	30	1428	1527D	1444	S19	E32	.634	9049	2.0	59D	-B	1	C	1444	1.13	1.26		
ZURI	30	1430	1515	1445	S19	E31	.624	9049	1.9	45	2N		P	1445	5.88	7.90		
MCMA	30	1431	1515	1448	S18	E31	.616	9049	1.9	44	-B		C	1448	1.29	1.50		E
SANM	30	1431	1520	1444	S18	E31	.616	9049	1.9	49	-B		C	1444	1.45	1.90		E
CAPS	30	1433	1515		S17	E33	.631	9049	2.1	42	1B	3		1448	3.00	3.90		228
CANA	30	1434	1505	1438	S18	E32	.627	9049	2.0	31	-N		C		.80	1.00		F
																		K
GRP10117	30	1431	1510	1438	S18	E32	.627	9049	2.0	39	-N			1.20				3 3 2
MONI	30	1415	1451D	1430	S19	E32	.634	9049	2.0	36D	1N		C	1430	1.55			
LOCA	30	1428	1514	1440	S18	E31	.616	9049	1.9	46	-N		V	1440	.85	1.10		
CANA	30	1434	1505	1445	S18	E32	.627	9049	2.0	31	-N		C					
GRP10118	30	1435	1450	1438	N21	W21	.441	9041	29.0	15	-F			.97				2 2 1
CANA	30	1432	1440	1435	N21	W21	.441	9041	29.0	8	-F		C		.20	.20		
CAPE	30	1437	1459	1440	N21	W20	.429	9041	29.1	22	-N		C	1440	.97	1.10		
LOCK	30	1630	1642	1635	N20	W22	.444	9041	29.0	12	-F		C	1635	.70	.80		10
GRP10120	30	1707	1754	1724	N21	W21	.441	9041	29.1	47	-F			.59				3 3 3
MCMA	30	1707	1810	1728	N22	W22	.462	9041	29.1	63	-F		C	1728	.72	.80		E
SACP	30	1714D	1800U	1719U	N20	W20	.420	9041	29.2	46U	-F		C		.80	.81		
HUAN	30	1721E	1732		N20	W20	.420	9041	29.2	11D	-F	1	C	1723	.25	.25		D
MCMA	30	1830	1920D		N20	W20	.420	9041	29.3	50D	-F		C	1900	.62	.70		H
LOCK	30	1959	2035	2008	N14	W90	1.000	9034	24.1	36	1N		C	2008	.80	3.20		20
LOCK	30	2058	2105	2100	N12	W90	1.000	9034	24.1	7	-F		C	2100	.30	1.20		10
CRON	30	2355E	0002	2359	N09	W90	1.000	9034	24.2	7D	2N		C		1.80	7.20		E
HALE	30	2356	2358D		S29	E13	.586	9045	1.0	2D	-F	1	P	2358	.15	.20		
GRP10129	31	0007	0027	0012	S23	E49	.821	9047	3.7	20	-B			.51				2 2 2
LOCK	31	0007	0022	0012	S23	E50	.829	9047	3.8	15	-N		C	0012	.70	1.20		20
HALE	31	0015E	0032	0024	S22	E47	.799	9047	3.5	17D	-B	2	P	0024	.31	.50		
GRP10127	31	0202	0225	0207	S19	E25	.560	9049	2.0	23	-F			2.06				2 2 1
HALE	31	0202E	0204D		S20	E23	.550	9049	1.8	2D	1F	2	P	0202	2.06	2.50		
CRON	31	0202	0225	0207	S18	E26	.561	9049	2.0	23	-F		C		.30	.40		
GRP10128	31	0247	0335	0253	N20	W25	.483	9041	29.2	48	-F			1.28				4 4 4
MITK	31	0245	0355	0255	N21	W25	.490	9041	29.2	70	-F		C	0255	1.65	1.90		
CRON	31	0247	0315	0252	N21	W28	.527	9041	29.0	28	-F		C		1.30	1.50		
MANI	31	0250	0329	0253	N21	W25	.490	9041	29.2	39	-F	3		0253	.93	1.24		
HALE	31	0250E	0339	0305	N17	W20	.395	9041	29.6	49D	-B	2	P	0305	1.24	1.30		F
GRP10129	31	0303	0325	0306	N24	E44	.727	9048	3.4	22	-B			1.04				2 2 2
HALE	31	0301	0340D	0305	N24	E43	.716	9048	3.4	39D	-B	2	P	0305	.98	1.40		FHW
CRON	31	0304	0309	0306	N23	E45	.734	9048	3.5	5	-N		C		1.10	1.60		E
GRP10130	31	0325	0340	0329	S21	E48	.804	9047	3.7	15	-N			.46				2 2 2
HALE	31	0324	0340D	0330	S21	E48	.804	9047	3.7	16D	-B	2	P	0324	.52	.90		F
CRON	31	0325	0339	0328	S21	E47	.795	9047	3.7	14	-F		C		.40	.60		
CRON	31	0524	0536	0527	S21	E48	.804	9047	3.8	12	-F		C		.60	1.00		
GRP10132	31	0658	0728	0712	S21	E56	.870	9047	4.5	30	1F			.67				2 2 1
CAPE	31	0658	0727	0712	S18	E56	.863	9047	4.5	29	-F		C	0712	.67	1.30		I
ISTA	31	0700E	0728		S24	E56	.879	9047	4.5	28D	2N							
ISTA	31	0700E	0811		N22	E48	.762	9048	3.9	71D	-F							
ISTA	31	0713	0736		N19	W34	.591	9041	28.8	23	2N							
GRP10135	31	0718	0740	0725	S27	E11	.548	9045	1.1	22	1N			1.78				7 6 5
ISTA	31	0700E	0804	0726	S29	E12	.580	9045	1.2	64D	1B							
CAPE	31	0714	0750	0721	S27	E10	.544	9045	1.1	36	1F		C	0721	2.12	2.50		
CRON	31	0715	0720	0716	S25	E06	.501	9045	31.8	5	-F		C		.40	.50		
ATHN	31	0716	0737	0719	S29	F12	.580	9045	1.2	21	-N	2		0719	1.32	1.60		
ABST	31	0716E	0750	0722	S27	E14	.563	9045	1.4	34D	1F		P	0722	2.25	2.60		53
CRON	31	0719	0731	0723	S27	E11	.548	9045	1.1	12	-N		C		1.00	1.20		D
ISTA	31	0720	0804		S27	E09	.540	9045	1.0	44	1B							E
ISTA	31	0720	0739		S27	E07	.533	9045	31.8	19	-B							
CAPS	31	0723E	0730		S27	E11	.548	9045	1.1	7D	1N	2		0725	2.20	2.50		164
CATA	31	0735	0810	0740	S26	E10	.530	9045	1.1	35	-N			0740	.40	.49		166

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	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 Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 OCT																	
ATHN	31	0743	0751	0745	S21	E58	.885	9047	4.7	8	-N	2	0745	.33	.40			
GRP10137	31	0830	0842	0834	S22	E46	.790	9047	3.8	12	-N			.82			7 7 4	
CAPE	31	0825	0842	0834	S21	E45	.777	9047	3.7	17	1N		0834	1.56	2.50		FI	
MONT	31	0825	0850	0836	S23	E46	.795	9047	3.8	25	-N		0836	.52				
CANA	31	0826	0834	0828	S23	E49	.821	9047	4.0	8	-F			.10	.20			
ABST	31	0831	0847D	0834	S24	E45	.791	9047	3.7	16D	-F		0834	.90	1.50		46 D	
CRON	31	0832	0838	0834	S21	E44	.767	9047	3.7	6	-N			.30	.50			
ISTA	31	0834	0840		S23	E44	.777	9047	3.7	6	-N							
CATA	31	0835	0840	0835	S20	E46	.781	9047	3.8	5	-N		0835	.15	.25		195	
ONDR	31	0834E	0842D		N20	E42	.691	9048	3.5	8D	-F		V 0836			1.70	CH	
GRP10139	31	0843	0849	0846	S19	E59	.888	9047	4.8	6	-N			.19			6 6 4	
CANA	31	0837	0843	0840	S20	E59	.890	9047	4.8	6	-F			.20	.40			
CAPE	31	0842	0853	0845	S19	E59	.888	9047	4.8	11	-N		C 0845	.35	.70		I	
CRON	31	0844	0849	0846	S19	E56	.865	9047	4.6	5	-N			.10	.20			
ISTA	31	0844	0850		S20	E60	.897	9047	4.9	6	-N							
KHAR	31	0845	0849	0846	S19	E60	.895	9047	4.9	4	-F		V 0845			1.80	D	
CATA	31	0845	0850	0845	S17	E58	.876	9047	4.7	5	-B		0845	.09	.18		204	
CAPE	31	0913	0920	0914	S19	E59	.888	9047	4.8	7	-F		C 0914	.40	.80		I	
GRP10141	31	0931	0952	0934	S19	E59	.888	9047	4.8	21	-F			.31			2 2 2	
CATA	31	0930	0945	0930	S18	E58	.878	9047	4.7	15	-N			.11	.22		172	
CAPE	31	0931	0958	0938	S19	E59	.888	9047	4.8	27	-F		C 0938	.50	1.00		I	
GRP10142	31	0957	1019	1003	S20	E34	.662	9047	3.0	22	-F			.43			2 2 2	
CATA	31	0955	1010	1000	S19	E20	.510	9047	1.9	15	-N		C 1000	.29	.34		151	
CAPE	31	0959	1028	1006	S21	E48	.804	9047	4.0	29	-F		C 1006	.57	.90		IJ	
GRP10143	31	1023	1043	1028	S19	E53	.841	9047	4.4	20	-F			.62			1 1 1	
CAPE	31	1023	1034	1028	S19	E53	.841	9047	4.4	11	-F		C 1028	.62	1.20		HI	
CAPE	31	1028	1043	1029	S19	E58	.881	9047	4.8	15	-F		C 1029	.44	.90		I	
GRP10144	31	1028	1035	1030	S24	E44	.782	9047	3.7	7	-F			.28			2 2 2	
CAPE	31	1028	1036	1030	S22	E44	.772	9047	3.7	8	-F		C 1030	.22	.30		I	
ATHN	31	1028	1034	1029	S26	E43	.784	9047	3.7	6	-N	2	C 1029	.33	.50			
GRP10145	31	1031	1116	1041	S21	E21	.541	9047	2.0	45	-N			2.13			3 3 3	
CAPE	31	1026	1210	1048	S20	E20	.521	9047	1.9	104	1N		C 1048	4.07	4.70		IJK	
ATHN	31	1032	1047	1034	S24	E19	.559	9047	1.9	15	-N	2	C 1034	1.32	1.60			
CANA	31	1035	1050	1040	S20	E23	.550	9047	2.2	15	-F		C	1.00	1.20			
ONDR	31	1039E	1046D		N21	E19	.419	9046	1.9	7D	-F		V 1040			1.50	CDH	
ONDR	31	1043	1122D		N18	E17	.365	9046	1.7	39D	1F		V 1050			1.50	CHJ	
CAPE	31	1052	1125	1058	N16	E32	.551	9048	2.9	33	-F		C 1058	1.24	1.50		F	
CAPE	31	1108	1132	1116	N21	W26	.502	9041	29.5	24	-F		C 1116	.88	1.00			
GRP10150	31	1122	1200	1128	S20	E21	.530	9047	2.0	38	2B			6.21			6 6 6	
CAPE	31	1026	1210	1131	S19	E20	.510	9047	1.9	104	2N		1131	6.60	7.70		IV	
ATHN	31	1050	1212	1123	S23	E19	.547	9047	1.9	82	2B	2	1123	4.95	6.10			
CANA	31	1120E	1144	1125U	S19	E21	.520	9047	2.0	24D	2B			4.40	5.20			
KHAR	31	1121	1200	1132	S18	E22	.519	9047	2.1	39	2N		C 1130	10.21	12.00	2.30	EHOQ	
WEND	31	1123E	1207	1128	S20	E22	.540	9047	2.1	44D	2B			7.22				
HUAN	31	1125	1145D		S20	E20	.521	9047	2.0	20D	1N	1	P 1127	3.87	4.00			
ONDR	31	1126E	1157		N18	E20	.403	9046	2.0	31D	2N		V 1127			2.50	CJ	
CAPE	31	1137	1149	1141	S19	E57	.873	9047	4.8	12	-N		C 1141	.62	1.30		IVH	
ATHN	31	1139	1209	1144	S30	E06	.573	9045	31.9	30	-N	2	1144	1.65	1.90			
GRP10154	31	1200	1206	1201	S19	E53	.841	9047	4.5	6	-F			.39			2 2 2	
ATHN	31	1200	1204	1200	S20	E54	.852	9047	4.5	4	-F	2	1200	.50	.90			
CAPE	31	1200	1208	1201	S18	E52	.829	9047	4.4	8	-F		C 1201	.27	.50		I	
GRP10155	31	1244	1310	1254	S17	E22	.509	9047	2.2	26	-F			.64			2 2 2	
CAPE	31	1243	1322	1257	S17	E22	.509	9047	2.2	39	-F		C 1257	.97	1.10		IK	
CAPE	31	1243	1322	1314	S16	E22	.498	9047	2.2	39	-F		1314	1.33	1.50			
CANA	31	1245	1257	1250	S17	E22	.509	9047	2.2	12	-F		C	.30	.30			
CAPE	31	1301	1350	1314	N19	E20	.412	9046	2.0	49	-F		C 1314	.67	.70		F	

SOLAR FLARES

OCTOBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H $\alpha$	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 OCT																		
GRP10157	31	1322	1345	1336	S19	E53	.841	9047	4.5	23	-F								2 2 1
CAPE	31	1314	1353	1337	S19	E53	.841	9047	4.5	39	1F	C	1337	1.82	3.40				FI
CANA	31	1330	1337	1334	S19	E53	.841	9047	4.5	7	-F	C		.10	.20				
GRP10158	31	1325	1339	1332	S18	E24	.540	9047	2.4	14	-F			.26					2 2 2
CAPE	31	1322	1417	1407	S17	E21	.498	9047	2.1	55	-F		1407	1.24	1.40				
CAPE	31	1322	1417	1344	S17	E22	.509	9047	2.2	55	-F	C	1344	1.06	1.20				IKH
CANA	31	1327	1342	1332	S17	E22	.509	9047	2.2	15	-F	C		.30	.30				
CAPE	31	1330	1336	1331	S22	E42	.753	9047	3.7	6	-F	C	1331	.22	.30				IJ
CAPE	31	1346	1421	1401	N29	E31	.619	9048	2.9	35	-F	C	1401	.50	.60				
CAPE	31	1413	1441	1432	S19	E50	.814	9047	4.3	28	1F		1432	1.68	2.90				IK
GRP10161	31	1438	1448	1441	S18	E21	.509	9047	2.2	10	-F			.81					2 2 2
CAPE	31	1437	1449	1441	S17	E21	.498	9047	2.2	12	-N	C	1441	1.20	1.40				HI
HUAN	31	1438	1446	1441	S18	E21	.509	9047	2.2	8	-F	2 C	1441	.41	.43				
GRP10162	31	1519	1529	1521	N15	W90	1.000	9037	24.9	10	-F			.49					2 2 2
CAPE	31	1519	1528	1521	N15	W90	1.000	9037	24.9	9	-F	C	1521	.40					AV
HUAN	31	1519E	1530D		N15	W90	1.000	9037	24.9	11D	-N	1 P	1523	.57					
GRP10163	31	1911	1924	1913	S20	E34	.662	9047	3.3	13	-N			.21					3 3 3
HOUS	31	1910	1920	1912	S20	E34	.662	9047	3.3	10	-F	C		.20	.30				100
SACP	31	1911	1928	1914	S20	E34	.662	9047	3.3	17	-N	C		.21	.23				
HALE	31	1912	1924	1913	S20	E33	.651	9047	3.3	12	-B	2 C	1913	.21	.30				
GRP10164	31	2118	2145	2121	S17	E13	.423	9047	1.9	27	-N			1.13					3 3 3
LOCK	31	2117	2140	2122	S17	E13	.423	9047	1.9	23	-N	C	2122	.80	.90				20
SACP	31	2118	2149	2121	S17	E13	.423	9047	1.9	31	-N	C		1.31	1.32				
HALE	31	2120	2139D	2121	S17	E12	.416	9047	1.8	19D	-N	2 P	2121	1.29	1.40				

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

N = Continuous spectrum shows effects of polarization.  
 O = Observations have been made in the calcium II lines H or K.  
 P = Flare shows helium D<sub>3</sub> in emission.  
 Q = Flare shows the Balmer continuum in emission.  
 R = Marked asymmetry in H $\alpha$  line.  
 S = Brightening follows disappearance of filament (same position).  
 T = Region active all day.  
 U = Close and somewhat parallel bright filaments (|| or Y shape).  
 V = Occurrence of an explosive phase.  
 W = Great increase in area after time of maximum intensity.  
 X = Unusually wide H $\alpha$  emission.  
 Y = Onset of a system of loop-type prominences.  
 Z = Major sunspot umbra covered by flare.