

SOLAR FLARES
NOVEMBER 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. %	
HALE	1967 NOV 01	0216	0224	0219	S18	E11	.421	9047	1.9	8	-F	1	C	0219	.31	.31			2
HALE	01	0249	0302	0252	S25	W02	.492	9045	1.0	13	-F	1	C	0252	.15	.20			2
GRP10167	01	0302	0318	0303	N23	W39	.669	9041	29.2	16	-N				.46				2 2 2 1
CRON	01	0301	0316	0303	N20	W39	.656	9041	29.2	15	-N		C		.60	.80			E
HALE	01	0302	0320	0303	N25	W38	.668	9041	29.3	18	-N	1	C	0303	.31	.40			
HALE	01	0319	0324	0319	S16	E14	.417	9047	2.2	5	-F	1	C	0319	.15	.20			2
GRP10169	01	0337	0348	0339	S19	E13	.449	9047	2.1	11	-F				.56				2 2 2 2
HALE	01	0337	0342D	0340U	S19	E08	.418	9047	1.8	5D	-N	1	P	0340	.41	.50			
CRON	01	0337	0348	0338	S18	E18	.478	9047	2.5	11	-F		C		.70	.80			
MANI	01	0424E	0432D		S25	E05	.497	9045	1.6	8D	-F	2		0425	.83	.97			2
CRON	01	0445	0450	0447	S19	E11	.435	9047	2.0	5	-N		C		.50	.60			2
CRON	01	0544	0550	0545	N21	W45	.728	9041	28.9	6	-N		C		.40	.60			4
CAPE	01	0625	0710	0644	S26	E26	.636	9047	3.2	45	1F		C	0644	2.96	3.90		FI	4
ISTA	01	0750	0800		S23	E40	.740	9047	4.3	10	-N								5
ISTA	01	0805	0815		N19	E26	.489	9048	3.3	10	-N								4
GRP10176	01	0818	0827	0821	N19	W43	.700	9041	29.1	9	-N				.34				4 4 3 3
CAPE	01	0817	0826	0820	N19	W41	.676	9041	29.3	9	-N		C	0820	.40	.50			
CRON	01	0818	0827	0821	N19	W41	.676	9041	29.3	9	-F		C		.20	.30			
MANI	01	0818	0826	0821	N18	W41	.673	9041	29.3	8	-F	2		0821	.41	.61			
ISTA	01	0820	0830		N20	W47	.747	9041	28.8	10	-B								
ISTA	01	0825	0840		N18	W47	.742	9041	28.8	15	-N								
GRP10177	01	0822	0839	0826	S24	E08	.492	9047	1.9	17	-N				.84				4 4 3 3
ISTA	01	0730E	0850D	0823	S29	E01	.551	9047	1.4	80D	1B								
CAPE	01	0800	0824	0808	S29	E28	.680	9047	3.4	24	-F		C	0808	.75	1.00		FI	
CAPE	01	0817	0843	0825	S19	E07	.413	9047	1.9	26	-N		C	0825	.88	1.00		FI	
CRON	01	0823	0832	0826	S20	E06	.424	9047	1.8	9	-N		C		.60	.70		I	
MANI	01	0825	0832D	0828	S21	E06	.440	9047	1.8	7D	-N	2		0828	1.03	1.13		E	
CRON	01	0828	0832	0829	S16	W29	.576	9043	30.2	4	-F		C		.20	.20			6
CAPE	01	0859	0903	0859	N20	W44	.714	9041	29.1	4	-F		C	0859	.40	.60			5
CAPE	01	0923	0933	0924	N20	W44	.714	9041	29.1	10	-F		C	0924	.27	.40			6
CAPE	01	0951	0957	0952	S19	E09	.423	9047	2.1	6	-F		C	0952	.27	.30		I	5
CAPE	01	1011	1052	1033	S19	E09	.423	9047	2.1	41	-F		C	1033	1.02	1.10		I	2
GRP10183	01	1142	1156	1149	S20	E07	.428	9047	2.0	14	-F				.34				3 3 3 3
HUAN	01	1123	1144	1125	S20	E06	.424	9047	1.9	21	-F	1	C	1125	.21	.21		D	
CANR	01	1141	1200	1146	S20	E07	.428	9047	2.0	19	-N		C		.30	.30			
CAPE	01	1142	1205	1151	S19	E07	.413	9047	2.0	23	-F		C	1151	.50	.50		I	
GRP10184	01	1249	1324	1321	S30	W03	.567	9045	1.3	35	-F				1.06				2 2 2 3
CAPE	01	1249	1530	1321	S29	W04	.554	9045	1.2	161	-F		C	1321	1.11	1.30		FI	
CAPS	01	1315E	1324		S31	W01	.579	9045	1.5	9D	-N	1		1317	1.00	1.20			
GRP10184	01	1254	1349	1259	S32	W03	.595	9045	1.3	55	-F				.36				2 2 2 2
CANR	01	1253	1340	1257	S33	W03	.609	9045	1.3	47	-F		C		.40	.50			
HUAN	01	1255	1358	1300	S31	W03	.581	9045	1.3	63	-F	2		1300	.31	.33		D	
GRP10185	01	1418	1431	1422	S16	E08	.373	9047	2.2	13	-F				.30				3 3 3 1
CAPE	01	1416	1434	1422	S16	E08	.373	9047	2.2	18	-F		C	1422	.35	.40		I	
SACP	01	1418	1433U	1422	S16	E08	.373	9047	2.2	15U	-N		C		.30	.30			
HUAN	01	1421	1427	1422	S17	E08	.388	9047	2.2	6	-F	2		1422	.25	.25		D	
HUAN	01	1508	1513		S11	E88	1.000	9056	8.2	5	-F	1	C	1510	.21				4
HUAN	01	1554	1604		N17	W52	.793	9041	28.8	10	-F	2	C	1557	.25	.32			4
HUAN	01	1658	1707		N17	W53	.803	9041	28.7	9	-F	1	C	1703	.25	.32			5
GRP10189	01	2012	2032	2017	S16	E07	.367	9047	2.4	20	-F				.30				2 2 2 2
LOCK	01	2011	2030	2015	S16	E07	.367	9047	2.4	19	-F		C	2015	.30	.30		10	
SACP	01	2012	2034U	2018	S16	E06	.362	9047	2.3	22U	-F		C		.30	.30			

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	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. %				
HUAN	07	1444	1454	1445	S18	W72	.962	9047	2.2	10	-F	1	C	1445	.31				E	5		
HUAN	07	1537	1551		S24	W40	.741	9047	4.7	14	-F	1	C	1541	.21	.25			D	2		
GRP10311	07	1747	1803	1751	S20	E52	.832	9063	11.6	16	-N				.83				4	4	4	0
HUAN	07	1746	1750D		S20	E52	.832	9063	11.6	4D	-N	1	C	1749	.88	1.23			E			
LOCK	07	1746	1805	1751	S21	E51	.827	9063	11.6	19	-N		C	1751	1.00	1.80			20	L		
HALE	07	1748E	1802	1752U	S19	E53	.838	9063	11.7	14D	-N	1	P	1752	.41	.80						
MCMA	07	1748	1803	1749	S20	E51	.823	9063	11.6	15	-N		C	1749	1.03	1.80			EH			
GRP10312	07	2028	2042	2031	S22	W42	.749	9047	4.7	14	1N				1.74				4	4	4	0
LOCK	07	2025	2045	2030	S23	W40	.735	9047	4.9	20	-N		C	2030	1.20	1.80			20	E		
HUAN	07	2027	2044		S22	W42	.749	9047	4.7	17	-N	1	C	2032	1.13	1.41						
HALE	07	2029	2040	2032	S22	W41	.739	9047	4.8	11	-N	1	C	2032	.83	1.20						
BOUL	07	2029	2040	2031	S22	W43	.758	9047	4.6	11	2F		C		3.80	5.80						
BOUL	07	2144	2152	2146	S20	W64	.921	9047	3.1	8	1N		C		1.00	2.20			E	2		
BOUL	07	2150	2200	2156	N24	W80	.983	9046	1.9	10	1N		C		1.10	3.70						
GRP10315	07	2152	2209	2200	S22	W59	.892	9047	3.5	17	-N				.94				3	3	3	0
LOCK	07	2142	2215	2200	S23	W59	.894	9047	3.5	33	-N		C	2200	1.00	1.40			20			
LOCK	07	2142	2215	2147	S23	W59	.894	9047	3.5	33	-N		C									
HALE	07	2156	2206	2201	S22	W59	.892	9047	3.5	10	-N	1	C	2201	.62	1.40						
BOUL	07	2158	2206	2200	S21	W60	.897	9047	3.4	8	1N		C		1.20	2.50						
GRP10316	07	2154	2200	2158	S21	W65	.929	9047	3.0	6	1B				1.16				2	2	2	2
BOUL	07	2154	2158	2157	S20	W64	.921	9047	3.1	4	1N		C		1.00	2.20			E			
SACP	07	2157E	2201D	2158U	S22	W65	.930	9047	3.0	4D	1B		P		1.31	2.38						
GRP10317	07	2220	2326	2243	N26	W64	.907	9048	3.1	66	-F				1.18				4	4	3	0
HALE	07	2217	2247D	2243U	N27	W64	.908	9048	3.1	30D	-F	1	P	2243	.31							
SACP	07	2218E	2322	2247	N25	W63	.899	9048	3.2	64D	1F		C		1.83	2.97						
LOCK	07	2220	2330	2240	N24	W63	.898	9048	3.2	70	1F		C	2240	1.00	2.10			10	L		
BOUL	07	2225	2240D	2231	N27	W65	.914	9048	3.1	15D	-N		C		.70	1.50						
BOUL	07	2222	2230	2224	N19	W74	.960	9046	2.4	8	-F		C		.50	1.30						
	08	0025	0030		NO FLARE PATROL																	
CRON	08	0329	0335	0331	S17	W85	.998	9047	1.8	6	-F		C		.30	1.00						
CAPE	08	1043	1057	1051	S18	W87	1.000	9047	1.9	14	-N		C	1051	.31				I	2		
CAPE	08	1148	1203		S24	W90	1.000	9053	1.7	15	-F		P	1202	.50				I	2		
	08	1210	1300		NO FLARE PATROL																	
HUAN	08	1314	1320		S30	W88	1.000	9053	2.0	6	-F	1	C	1316	.21				D	2		
LOCK	08	1852	1911	1900	S28	W82	.996	9053	2.6	19	-F		C	1900	.20	.70			10		4	
GRP10324	08	1914	1954	1932	S17	E37	.669	9063	11.6	40	-F				1.00				3	3	3	2
LOCK	08	1910	2000	1933	S16	E38	.674	9063	11.6	50	-F		C	1933	.80	1.10			10			
SACP	08	1918	1950	1930	S18	E37	.675	9063	11.6	32	-F		C		1.41	1.61						
HUAN	08	1936E	1953		S18	E36	.664	9063	11.5	17D	-F	1	P	1937	.80	.92			E			
LOCK	08	2145	2330	2200	S28	W90	1.000	9053	2.2	105	-F		C	2200	.30	1.20			10	J	2	
	08	2350	0000		NO FLARE PATROL																	
	09	0000	0010		NO FLARE PATROL																	
	09	0020	0030		NO FLARE PATROL																	
MANI	09	0219E	0223D		S25	W90	1.000	9053	2.3	4D	-F	1		0219	.31	1.00						
CRON	09	0443	0454	0449	N17	E90	1.000	9066	15.9	11	-F		C		.60	2.40			H	1		
CAPE	09	0641	0658	0644	S23	W61	.907	9047	4.7	17	-F		C	0644	.35	.80						
CAPE	09	0907	0920	0911	S18	W66	.930	9047	4.4	13	1F		C	0911	.93	2.50						
HUAN	09	1105E	1114		S20	W64	.921	9047	4.7	9D	-F	2	C	1106	.25				D	3		
CAPE	09	1145	1149	1146	S21	W63	.916	9047	4.8	4	-N		C	1146	.22	.60						
CAPE	09	1154	1203	1156	S22	W64	.924	9047	4.7	9	-N		C	1156	.31	.80						

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL	MCMATH	CMP				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
	1967 NOV				LAT.	MER. DIST.	DISTANCE	FLAGE REGION	DAY										
GRP10333	09	1310	1315	1311	N16	W19	.382	9060	8.1	5	-F								
CAPE	09	1310	1317		N16	W19	.382	9060	8.1	7	-F	P	1310	.36				2 2 2 4	
HUAN	09	1310	1313	1311	N15	W18	.360	9060	8.2	3	-F	2 C	1311	.40 .31	.40 .31			E	
HUAN	09	1645	1650		S27	W64	.932	9047	4.9	5	-F	1 C	1646	.25				D 4	
HUAN	09	1714	1730	1717	S27	W64	.932	9047	4.9	16	-F	1 C	1717	.25				D 4	
BOUL	09	1835E	1840	1836U	N18	W83	.991	9048	3.5	5D	-F	C		.30	1.00			3	
BOUL	09	1835E	1855	1842U	S26	W66	.941	9047	4.8	20D	-F	C		.20	.50			3	
CRON	10	0056	0112	0101	S26	W70	.960	9047	4.8	16	-F	C		.40	1.10			2	
CRON	10	0122	0153	0124	S26	W70	.960	9047	4.8	31	-F	C		.40	1.10			2	
CRON	10	0122	0153	0147	S26	W70	.960	9047	4.8	31	-F	C						K 2	
HALE	10	0214E	0219D	0214	S26	W70	.960	9047	4.8	5D	-N	1 P	0214	.31				2	
	10	0440	0515	NO FLARE PATROL															3
GRP10341	10	0716	0724	0720	S27	W72	.969	9047	4.9	8	-N			.21				4 4 3 3	
CRON	10	0715	0721	0718	S27	W73	.973	9047	4.8	6	-N	C		.20	.60				
ISTA	10	0715E	0830		S27	W72	.969	9047	4.9	75D	-N								
CAPE	10	0717	0721	0718	S26	W71	.964	9047	5.0	4	-N	C	0718	.31	1.20			167	
CATA	10	0720E	0730	0725	S27	W71	.965	9047	5.0	10D	-N		0725	.11					
GRP10342	10	0851	0911	0855	S27	W79	.990	9047	4.4	20	1B			1.08				7 6 4 1	
ISTA	10	0715E	0950D		S26	W77	.984	9047	4.5	155D	-B								
CRON	10	0757	0807	0759	S27	W73	.973	9047	4.9	10	-N	C		.20	.60				
CATA	10	0845	0910	0852	S26	W80	.992	9047	4.4	25	1B		0852	1.72				246	
CANR	10	0847	0903	0851	S27	W80	.992	9047	4.4	16	-N	C	0858	.50	1.70			H	
CAPE	10	0853	0913	0858	S25	W79	.989	9047	4.4	20	1B	C	0858	1.68				3.90	
KHAR	10	0855E	0922D		S29	W80	.992	9047	4.4	27D	2N	P	0901	.40	1.40			EHO	
CRON	10	0856	0909E	0857	S27	W79	.990	9047	4.4	13D	-N	C	0901					H	
MONT	10	0907E	0909D		S25	W76	.981	9047	4.7	2D	1B	C	0907	2.06					
GRP10343	10	0921	0943	0923	S24	W79	.989	9047	4.5	22	-N			.36				2 2 2 5	
CATA	10	0921	0945	0921	S23	W78	.986	9047	4.5	24	-N		0921	.18				174	
CAPE	10	0921	0940	0925	S25	W79	.989	9047	4.5	19	-N	C	0925	.53				K	
CATA	10	0955	1020	1000	S25	W80	.991	9047	4.4	25	-N		1000	.20				182	
CANR	10	1026	1035	1030	S27	W80	.992	9047	4.4	9	-F	C		.40	1.40			7	
GRP10346	10	1127	1140	(1133)	S25	W81	.993	9047	4.4	5	-N			.35				2 2 2 7	
HUAN	10	1109E	1123		S27	W82	.992	9047	4.3	14D	-N	2 C	1110	.31				T	
CAPE	10	1122	1132	1126	S23	W80	.991	9047	4.5	10	-N	C	1126	.35					
HUAN	10	1132	1148		S27	W83	.992	9047	4.3	16	-N	1 C	1141	.35					
CATA	10	1245	1250	1245	S27	E78	.987	9069	16.4	5	-N		1245	.09				178	
GRP10348	10	1318	1404	1330	S25	W83	.996	9047	4.3	46	1N			1.44				5 5 5 2	
CATA	10	1225	1310	1240	S26	W80	.992	9047	4.5	45	-N		1240	.29				174	
HUAN	10	1242	1403		S27	W85	.999	9047	4.2	81	1N	2 C	1335	.88					
CAPE	10	1317	1422	1330	S27	W90	1.000	9047	3.8	65	1N	C	1330	2.34				J	
MEUD	10	1318	1400	1330	S23	W78	.986	9047	4.7	42	1N	C	1330	1.24				A	
CATA	10	1320	1405D	1330	S25	W87	1.000	9047	4.0	45D	1N		1330	.70				191	
MONT	10	1327E	1350	1330	S25	W78	.987	9047	4.7	23D	1B	C	1330	2.06					
GRP10348	10	1339	1504	1342	S28	W83	.997	9047	4.3	85	-N			.86				2 2 1 7	
SACP	10	1339E	1430U	1342U	S28	W76	.983	9047	4.9	51U	-N	P		.86					
MCMA	10	1343E	1504D		S27	W90	1.000	9047	3.8	81D	1N	C	1343					AB	
GRP10349	10	1517	1540	1530	S27	W84	.998	9047	4.3	23	1F			1.16				2 2 2 0	
HUAN	10	1517	1539		S27	W88	1.000	9047	4.0	22	1F	1 C	1530	.80					
SACP	10	1523U	1540U	1530U	S26	W80	.992	9047	4.6	17U	1N	C		1.52					
HUAN	10	1625	1640		S26	W86	.999	9047	4.2	15	-F	2 C	1629	.31				D 3	
HUAN	10	1718	1731		S25	W88	1.000	9047	4.1	13	-F	2 C	1721	.55				E 4	
GRP10352	10	1752	1815	1759	N16	E42	.684	9065	13.9	23	-N			.70				5 5 5 0	
LOCK	10	1750	1813	1801	N15	E42	.681	9065	13.9	23	-F	C	1801	.70	1.00			10	
SACP	10	1750	1820U	1757	N17	E42	.687	9065	13.9	30U	-F	C		.70	.82				
HALE	10	1752	1830	1758	N16	E42	.684	9065	13.9	38	-B	1 C	1758	.93	1.30			FH	
HUAN	10	1754	1807		N17	E43	.698	9065	14.0	13	-F	2 C	1758	.45	.53			E	
MCMA	10	1756E	1807D		N17	E42	.687	9065	13.9	11D	-N	P	1759	.72	1.00			E	

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OBSERVATORY	OBSERVED UT			LOCATION						DURATION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS				
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %					
					LAT.	MER. DIST.																
	1967																					
HUAN	10	1941	1954		S26	W88	1.000	9047	4.2	13	-F	1	C	1945	.45					3		
LOCK	10	2043	2051	2045	S25	W90	1.000	9047	4.1	8	-F		C	2045	.30	1.20		10	H	2		
GRP10355	10	2131	2143	2133	S25	W83	.996	9047	4.7	12	1N		C		.68							
LOCK	10	2308	2340	2318	S25	W90	1.000	9047	4.1	10	-N		C	2134	.50	2.00		20	H	3 3 3 0		
SACP	10	2131	2148	2132	S25	W80	.991	9047	4.9	17	1N		C		1.01							
HALE	10	2133E	2140	2133	S25	W79	.989	9047	5.0	7D	1B	2	P	2133	.52							
GRP10356	10	2310	2337	2319	S20	E08	.418	9063	11.6	27	-F		C		.78							
LOCK	10	2308	2340	2318	S20	E08	.418	9063	11.6	32	-F		C	2318	.60	.70		10		3 3 3 1		
HALE	10	2310	2330	2320	S21	E09	.438	9063	11.6	20	-N	1	C	2320	.93	1.00				GL		
SACP	10	2313	2340U	2318	S20	E08	.418	9063	11.6	27U	-F		C		.81	.82						
HALE	10	2357	0000D	2359	S25	W79	.989	9047	5.1	3D	-B	1	P	2359	.21					J	2	
HALE	11	0109	0116D	0114U	S24	W80	.991	9047	5.0	7D	-N	1	P	0114	.21						3	
CRON	11	0211	0230	0215	S26	W90	1.000	9047	4.3	19	2N		C		1.30	5.20				EI	0	
CRON	11	0240	0305	0245	S26	W90	1.000	9047	4.4	25	2N		C		1.30	5.20				EI	1	
TACH	11	0609	0617	0611	S20	W85	.998	9047	4.9	8	1N		V	0612	.83		3.00	78		CD	2	
CAPE	11	0652	0701	0654	S26	W90	1.000	9047	4.5	9	-N		C	0654	.48						2	
GRP10363	11	0728	0749	0731	N15	E57	.842	9066	15.6	21	-N		C		.36						3 3 3 0	
CRON	11	0728	0738	0730	N16	E57	.843	9066	15.6	10	-N		C		.50	.90						
MANI	11	0729E	0733D	0732	N14	E57	.841	9066	15.6	4D	-N	2	C		.36	.62						
CATA	11	0730E	0800	0745	N15	E57	.842	9066	15.6	30D	-N		C	0732	.36	.62						
														0745	.23	.44					166	
CATA	11	0835	0850D	0835	N12	E00	.151	9062	11.4	15D	-F		C	0835	.12	.13					141	2
CRON	11	0835	0844	0840	S25	W90	1.000	9047	4.6	9	1F		C		.60	2.40						3
	11	0920	0925		NO FLARE PATROL																	
	11	1000	1005		NO FLARE PATROL																	
	11	1010	1020		NO FLARE PATROL																	
CATA	11	1020E	1035D	1025	S17	E90	1.000	9075	18.2	15D	-N		C	1025	.35						155	1
CATA	11	1035	1045D	1035	S25	W90	1.000	9047	4.7	10D	-N		C	1035	.20						155	1
	11	1120	1125		NO FLARE PATROL																	
CAPS	11	1214E	1240D		S26	W90	1.000	9047	4.8	26D	2N	3										0
	11	1245	1250		NO FLARE PATROL																	
	11	1255	1300		NO FLARE PATROL																	
HUAN	11	1600	1608	1602	N12	W06	.182	9062	11.2	8	-F	2	C	1602	.21	.21					DT	1
HUAN	11	1616	1622		N12	W04	.166	9062	11.4	6	-F	2	P	1617	.37	.37					E	1
BOUL	11	1709	1718	1712	S27	W90	1.000	9047	5.0	9	-F		C		.10	.40						4
GRP10372	11	1740	1748	1742	S26	W90	1.000	9047	5.0	8	-F		C		.26							2 2 2 2
LOCK	11	1738	1750	1741	S26	W90	1.000	9047	5.0	12	-F		C	1741	.30	1.20		10			D	
HUAN	11	1742	1746	1743	S26	W90	1.000	9047	5.0	4	-F	2	C	1743	.21							
HUAN	11	1820	1827	1821	N12	W04	.166	9062	11.5	7	-F	2	C	1821	.25	.25					D	3
HUAN	11	1842	1850	1844	N12	W05	.173	9062	11.4	8	-N	2	C	1844	.31	.31					D	3
HUAN	11	1855	1903	1858	N12	W05	.173	9062	11.4	8	-F	2	C	1858	.25	.25					D	3
GRP10376	11	1857	1929	1903	N16	E64	.900	9067	16.6	32	-F		C		.58						2 2 2 2	
SACP	11	1856U	1930U	1903U	N16	E63	.892	9067	16.5	34U	-F		C		.80	1.29						
HUAN	11	1857	1927		N15	E64	.899	9067	16.6	30	-F	1	C	1902	.35	.57					ET	
HUAN	11	1957	2010	1958	N12	W06	.182	9062	11.4	13	-F	2	C	1958	.45	.45					E	3
GRP10378	11	1957	2023	2009	N17	E49	.766	9066	15.5	26	-F		C		.51						2 2 2 2	
SACP	11	1955U	2030U	2009U	N16	E49	.764	9066	15.5	35U	-F		C		.51	.63						
HUAN	11	1958	2016		N17	E49	.766	9066	15.5	18	-F	2	C	2002	.50	.62					E	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	1967																	
	NOV																	
HUAN	11	2019	2034		N16	E63	.892	9067	16.6	15	-F	1	C	2022	.45	.74		E 3
HUAN	11	2109	2118	2111	N11	W07	.180	9062	11.4	9	-F	1	C	2111	.25	.25		D 2
HUAN	11	2158	2203		N12	W07	.193	9062	11.4	5	-F	1	C	2200	.25	.25		D 2
	11	2340	0000		NO FLARE PATROL													
	12	0000	0100		NO FLARE PATROL													
MANI	12	0536E	0541	0537	S24	W90	1.000	9047	5.5	50	-F	2		0537	.15	.50		3
CAPE	12	0658	0724	0714	S20	W11	.432	9063	11.5	26	-F		C	0714	1.14	1.30		FL 6
ISTA	12	0715E	0830		S08	W03	.201	9064	12.1	75D	-F							7
ISTA	12	0755E	0836		N14	E42	.680	9066	15.5	41D	-F							8
GRP10386	12	0843	0916	0847	N09	W13	.245	9062	11.4	33	-N				1.46			7 7 5 3
ISTA	12	0715E	0925	0847	N12	W12	.255	9062	11.4	130D	-B							
CAPE	12	0839	0902	0845	N12	W13	.269	9062	11.4	23	-N		C	0845	1.57	1.60		T
MONT	12	0842	0932	0845	N13	W13	.278	9062	11.4	50	1B		C	0845	1.55			
CRON	12	0843	0925	0847	N10	W15	.282	9062	11.2	42	-N		C		1.00	1.00		
CATA	12	0845	0900	0850	N12	W14	.282	9062	11.3	15	-N			0850	.33	.35	155	
ISTA	12	0847	0925		N12	W14	.282	9062	11.3	38	-F							
ARCE	12	0848E	0915		N13	W12	.265	9062	11.5	27D	-N		C	0848	1.43	1.50		
CAPP	12	0855E	0915D		S06	W13	.261	9062	11.4	20D	-N		P	0856	1.76	1.79		
CAPE	12	0856	0917	0903	N15	E56	.833	9067	16.6	21	-F		C	0903	.96	1.80		9
GRP10388	12	0944	1015	0948	N12	W14	.282	9062	11.4	31	-N				1.49			8 8 8 1
ABST	12	0940	0948	0943	N13	W14	.292	9062	11.4	8	-N		C	0943	1.18	1.23		CD
CAPE	12	0941	1023	0946	N12	W15	.297	9062	11.3	42	1B		C	0946	2.10	2.20		KT
CAPE	12	0941	1023	1014	N12	W15	.297	9062	11.3	42	1N		C	1014	2.67	2.80		
MONT	12	0943	1030	0945	N13	W13	.278	9062	11.4	47	1B		C	0945	2.06			
CRON	12	0944	1020	0948	N10	W15	.282	9062	11.3	36	-N		C		1.00	1.00		
CATA	12	0945	1040	0950	N12	W14	.282	9062	11.4	55	-N			0950	.81	.86	155	
KODA	12	0946E	0949	0947	N12	W13	.269	9062	11.4	3D	-N		P	0948	.97	1.00	1.64	E
ARCE	12	0946	1000D	0950	N13	W13	.278	9062	11.4	14D	1N		C	0950	2.03	2.10		
CAPS	12	0947E	1031		N11	W13	.260	9062	11.4	44D	1N	3		0949	1.80	2.00	196	J
CAPE	12	1042	1108	1055	N11	E56	.829	9067	16.6	26	1F		C	1055	1.75	3.20		5
GRP10390	12	1050	1114	1058	N12	W14	.282	9062	11.4	24	-N				.90			3 3 3 3
MONT	12	1045	1120	1100	N13	W14	.292	9062	11.4	35	1N		C	1100	1.55			
CATA	12	1050	1200	1055	N13	W14	.292	9062	11.4	70	-N			1055	.66	.69	162	
CAPS	12	1055	1107		N11	W14	.274	9062	11.4	12	-N	3		1057	.50	.50	170	
GRP10391	12	1130	1158	1137	N12	W16	.311	9062	11.3	28	-B				1.53			2 2 2 3
MONT	12	1130	1200D	1137	N13	W14	.292	9062	11.4	30D	1B		C	1137	2.06			
CAPS	12	1140E	1155		N11	W17	.318	9062	11.2	15D	-N	3		1147	1.00	1.00	170	
GRP10392	12	1159	1218	1208	N12	E56	.830	9067	16.7	19	-N				2.04			5 5 5 1
MONT	12	1153	1200D	1155	N11	E56	.829	9067	16.7	7D	-N		C	1155	4.13			
CATA	12	1155	1215D	1210	N12	E55	.820	9067	16.6	20D	-B			1210	.90	1.57	200	
CAPE	12	1155	1228	1206	N12	E55	.820	9067	16.6	33	-N		C	1206	1.09	1.90		H
CAPS	12	1204E	1215		N11	E55	.820	9067	16.6	11D	1N	3		1208	1.80	3.10	170	C
KHAR	12	1206	1214		N13	E57	.840	9067	16.8	8	1N		P	1212	2.27	3.90	1.80	DHO
CAPE	12	1232	1302	1257	N07	E40	.643	9066	15.5	30	-N			1257	.26	.30		HK 4
HUAN	12	1319	1327	1321	N11	W27	.468	9062	10.5	8	-F	2	C	1321	.25	.25		DT 4
GRP10395	12	1335	1400	1341	N16	E55	.824	9067	16.7	25	-F				1.97			2 2 1 4
CAPE	12	1329	1405	1342	N15	E54	.814	9067	16.6	36	1N		C	1342	1.97	3.40		H
CATA	12	1340	1355	1340	N16	E55	.824	9067	16.7	15	-F			1340	.18	.32	144	
GRP10396	12	1346	1421	1359	N09	E86	.997	9073	19.0	35	1F				.65			6 5 5 1
CATA	12	1345	1430D	1400	N08	E88	.999	9073	19.2	45D	1F			1400	.59		138	
SACP	12	1345	1434	1400	N09	E81	.987	9073	18.6	49	-N		C		.62			
CAPE	12	1346	1411	1358	N08	E90	1.000	9073	19.3	25	1F		C	1358	.79			
HUAN	12	1348	1407		N08	E88	.999	9073	19.2	19	-F	1	C	1356	.45			E
CAPS	12	1352E	1406		N10	E85	.995	9073	19.0	14D	1N	3		1400	.80		160	
MCPA	12	1411E	1435D		N10	E86	.997	9073	19.0	24D	-B		C	1411				E
GRP10397	12	1421	1433	1425	N13	W17	.333	9062	11.3	12	-F				.37			2 2 2 5
MCPA	12	1421E	1433	1425	N13	W17	.333	9062	11.3	12D	-N		P	1425	.52	.52		E
HUAN	12	1425E	1432		N12	W16	.311	9062	11.4	7D	-F	2	C	1426	.21	.21		D

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPOR- TANCE	OBS. COND.	TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					MIN.	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	
1967 NOV																			
GRP10398	12	1511	1531	(1515)	N14	E39	.642	9066	15.6	20	-N						2 2 2 3		
HUAN	12	1451	1523		N16	E38	.636	9066	15.5	32	-F	2	C	1500	.54	.31	.35	D	
HUAN	12	1511	1521		N11	E36	.595	9066	15.3	10	-F	1	C	1515	.25	.27		D	
MCMA	12	1515E	1538D		N15	E40	.658	9066	15.6	23D	-B		P	1515	.83	1.10		EL	
MCMA	12	1527E	1538D		N13	W17	.333	9062	11.4	11D	-N		P	1532	.62	.70		E 3	
GRP10400	12	1607	1619	1615	N12	W17	.325	9062	11.4	12	-F				.25			1 1 1 2	
HUAN	12	1607	1612		N11	W19	.348	9062	11.2	5	-F	2	C	1610	.21	.21		D	
HUAN	12	1612	1619	1615	N12	W17	.325	9062	11.4	7	-F	2	C	1615	.25	.25		D	
GRP10401	12	1648	1715	1651	N12	W19	.354	9062	11.3	27	-N				1.67			4 4 4 0	
SACP	12	1646	1717	1650	N12	W18	.340	9062	11.3	31	1F		C		2.23	2.21			
HUAN	12	1648	1716	1651	N12	W18	.340	9062	11.4	28	1N	2	C	1651	1.91	1.91			
LOCK	12	1648	1710	1651	N11	W20	.363	9062	11.2	22	-N		C	1651	1.00	1.10		20	
HALE	12	1650	1717	1653	N13	W19	.361	9062	11.3	27	-B	1	C	1653	1.55	1.70			
HALE	12	1805	1844	1826	N15	E35	.594	9066	15.4	39	-F	1	C	1826	.41	.50			
HALE	12	2105	2107	2105	N12	W20	.369	9062	11.4	2	-F	1	C	2105	.72	.80			
GRP10404	12	2110	2126	2114	N21	E89	.999	9073	19.6	16	-F				.25			2 2 2 1	
SACP	12	2109	2122	2113	N21	E87	.998	9073	19.4	13	-N		C		.30				
LOCK	12	2110	2130	2115	N20	E90	1.000	9073	19.6	20	-F		C	2115	.20	.80		10	
HALE	12	2118	2153	2121	N16	E53	.805	9067	16.9	35	-F	1	C	2121	.62	1.00			
GRP10406	12	2201	2222	2208	N20	E85	.995	9072	19.3	21	-F				.41			2 2 2 1	
SACP	12	2200	2227	2210	N20	E79	.980	9072	18.8	27	-N		C		.51				
LOCK	12	2201	2217	2205	N20	E90	1.000	9072	19.7	16	-F		C	2205	.30	1.20		10	
HALE	13	0037	0102	0044	N15	E48	.752	9067	16.6	25	-F	1	C	0044	.46	.70		FZ 2	
HALE	13	0102	0144	0110	N20	E89	.999	9073	19.7	42	-F	1	C	0110	.41			F 2	
HALE	13	0226	0253	0241	N12	E82	.989	9073	19.3	27	-F	1	C	0241	.21			4	
CRON	13	0419	0428	0421	N12	E48	.747	9067	16.8	9	-F		C		.20	.30		2	
CRON	13	0521	0527	0523	N12	E48	.747	9067	16.8	6	-F		C		.20	.30		5	
CRON	13	0625	0637	0630	S32	E05	.580	9068	13.6	12	-F		C		.10	.10		3	
CAPE	13	0706	0740	0723	N15	E71	.945	9072	18.6	34	-F		C	0723	.96			F 4	
GRP10414	13	0736	0744	0738	N13	W26	.462	9062	11.4	8	-F				.38			2 2 2 6	
CAPE	13	0735	0744	0737	N13	W26	.462	9062	11.4	9	-N		C	0737	.61	.70		T	
MANI	13	0736	0744	0738	N13	W25	.448	9062	11.4	8	-F	2	C	0738	.15	.17			
CAPE	13	0756	0801	0758	N09	E84	.994	9073	19.6	5	-F		C	0758	.57			9	
CATA	13	0830	0835	0830	N17	E44	.711	9067	16.7	5	-F			0830	.25	.37		148 9	
CAPE	13	0912	1021	0938	N10	E25	.435	9066	15.3	69	-F		C	0938	.31	.30		9	
CATA	13	0925	0950	0930	N09	E80	.984	9073	19.4	25	-N			0930	.15			159 8	
GRP10419	13	0957	1036	1009	N15	E43	.695	9067	16.6	39	-N				1.78			2 2 2 7	
CAPE	13	0949	1046	1012	N16	E42	.685	9067	16.6	57	1N		C	1012	2.19	3.00			
CATA	13	1005	1025	1005	N14	E43	.692	9067	16.6	20	-N			1005	1.37	1.94		166	
GRP10420	13	1015	1040	1015	N12	W29	.501	9062	11.3	25	-F				.81			2 2 2 7	
CANR	13	1015E	1025	1015U	N11	W28	.483	9062	11.3	10D	-F		C		.40	.50			
CAPE	13	1020	1054	1029	N12	W29	.501	9062	11.3	34	-F		C	1029	1.22	1.40		T	
CAPE	13	1125	1346	1202	N19	E39	.660	9067	16.4	141	2F		C	1202	6.00	7.90		8	
GRP10422	13	1245	1254	1247	N12	W29	.501	9062	11.4	9	-N				1.34			6 6 5 3	
CAPE	13	1242	1257	1246	N12	W29	.501	9062	11.4	15	-N		C	1246	.74	.90		TV	
WEND	13	1242E	1253		N12	W29	.501	9062	11.4	11D	1N		V		3.09				
MONT	13	1245	1300	1248	N13	W30	.519	9062	11.3	15	1N		C	1248	1.86				
HUAN	13	1246	1252		N11	W29	.497	9062	11.4	6	-F	1	C	1248	.31	.32		D	
SANM	13	1246	1252	1247	N12	W28	.487	9062	11.4	6	-N		C	1247	.48	.55			
MEUD	13	1247	1247		N13	W28	.491	9062	11.4		-N		C	1247	.52	.60		C	
GRP10423	13	1308	1353	1328	N12	W31	.529	9062	11.2	45	-F				.22			3 2 2 6	
HUAN	13	1305	1317D		N10	W32	.537	9062	11.1	12D	-F	1	C	1306	.21	.21		D	
CATA	13	1310	1350	1315	N13	W31	.533	9062	11.2	40	-N			1315	.23	.28		170	
MONT	13	1337E	1355	1340	N13	W31	.533	9062	11.2	18D	-N		C	1340	.31				

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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 α	MAX. INT. %							
					LAT.	MER. DIST.																		
	1967 NOV																							
CAPE	13	1312	1324	1314	N17	E25	.473	9066	15.4	12	-F		C	1314	.48	.50								
GRP10425	13	1333	1354	1338	N18	E06	.276	9065	14.0	21	-F				1.69					3	3	2	6	
CAPE	13	1329	1409	1341	N17	E07	.267	9065	14.1	40	-F			1341	2.67	2.80								
CAPE	13	1329	1409	1332	N18	E06	.276	9065	14.0	40	-N		C	1332	1.31	1.40								
CAPS	13	1334	1347		N17	E07	.267	9065	14.1	13	-N	3		1340	.70	.70			165					
MEUD	13	1335	1345	1335	N19	E04	.282	9065	13.9	10	-F		C	1335	.41	.40								
MEUD	13	1335	1345	1339	N19	E04	.282	9065	13.9	10	-F		C											
GRP10426	13	1404	1413	1407	N13	W30	.519	9062	11.3	9	-F				.65									
MONT	13	1400	1420	1410	N13	W31	.533	9062	11.3	20	-N		C	1410	1.55									
HUAN	13	1403	1409	1405	N12	W30	.515	9062	11.3	6	-F	2	C	1405	.25	.26								
SANM	13	1404	1413	1405	N12	W29	.501	9062	11.4	9	-F		C	1406	.32	.37								
CATA	13	1405	1410	1405	N14	W29	.509	9062	11.4	5	-N			1405	.37	.43			166					
SACP	13	1406E	1418	1408U	N12	W30	.515	9062	11.3	12D	-N		P		1.02	1.06								
MEUD	13	1406	1406		N13	W29	.505	9062	11.4		-F		C	1406	.36	.40								
GRP10427	13	1523	1530	1524	N12	W31	.529	9062	11.3	7	-F				.31									
HUAN	13	1523	1529	1524	N12	W31	.529	9062	11.3	6	-N	2	C	1524	.31	.32								
HOUS	13	1523	1530	1524	N12	W30	.515	9062	11.4	7	-F		C		.30	.30			100					
GRP10428	13	1614	1622	1616	N12	W31	.529	9062	11.4	8	-F				.43									
HUAN	13	1613	1621	1615	N11	W31	.526	9062	11.4	8	-N	2	C	1615	.55	.57								
HOUS	13	1614	1623	1616	N12	W30	.515	9062	11.4	9	-F		C		.30	.30			100					
HOUS	13	1720	1725	1722	N11	E90	1.000	9073	20.5	5	-F		C		.20	.80			100					
GRP10430	13	1808	1902	1815	N12	E74	.960	9073	19.3	54	1F				.85									
LOCK	13	1805D	1835D	1815U	N10	E70	.938	9073	19.0	30D	-F		C	1815	.60	1.60								
HALE	13	1808	1900	1815	N12	E76	.969	9073	19.5	52	1N	1	C	1815	.83									
SACP	13	1808	1847	1818	N12	E74	.960	9073	19.3	39	1N		C		1.11	2.33								
HUAN	13	1810	1913		N11	E75	.965	9073	19.4	63	1F	1	C	1816	1.13									
HOUS	13	1811E	1815D	1812	N10	E74	.960	9073	19.3	4D	-F		C		.60	1.60								
HOUS	13	1853E	1907	1855U	N17	E80	.983	9073	19.8	14D	-N		C		.30	.90								
HALE	13	2029	2046	2029	N10	E82	.989	9073	20.0	17	-N	1	C	2029	.21									
GRP10432	13	2114	2141	2120	N13	E82	.989	9073	20.0	27	-F				.41									
HALE	13	2114	2141D	2120	N13	E82	.989	9073	20.0	27D	-F	1	C	2120	.41									
HALE	13	2114	2121	2115	N10	E82	.989	9073	20.0	7	-F	1	C	2115	.21									
HOUS	13	2145E	2205	2145U	N12	E42	.676	9067	17.1	20D	-F		C		.10	.10			100					
	14	0010	0015	NO FLARE PATROL																				
	14	0025	0035	NO FLARE PATROL																				
GRP10434	14	1017	1033	1019	S14	W20	.440	9064	12.9	16	-F				.61									
CATA	14	1015	1035	1015	S14	W20	.440	9064	12.9	20	-F			1015	.37	.41								
CAPE	14	1018	1030	1023	S13	W20	.430	9064	12.9	12	-F		C	1023	.84	.90			141					
GRP10435	14	1351	1406	1357	N10	E31	.523	9067	16.9	15	-F				.92									
SACP	14	1345E	1410U	1357	N10	E31	.523	9067	16.9	25U	-F		C		.83	.86								
CAPE	14	1356	1402	1357	N10	E30	.509	9067	16.8	6	-F		C	1357	1.00	1.20								
HUAN	14	1516	1532		N10	W47	.733	9062	11.1	16	-F	2	C	1519	.55	.65								
GRP10437	14	1609	1621	1612	N11	W45	.711	9062	11.3	12	-F				.48									
HUAN	14	1607	1614	1609	N11	W45	.711	9062	11.3	7	-F	2	C	1609	.25	.29								
HOUS	14	1608	1625	1611	N12	W46	.724	9062	11.2	17	-F		C		.70	1.00								
CANR	14	1611	1625	1616	N11	W43	.687	9062	11.4	14	-F		C		.50	.70			100					
HALE	14	1912	1918	1914	N11	W49	.757	9062	11.1	6	-F	1	C	1914	.15	.20								
GRP10439	14	1914	1919	1916	N12	E57	.840	9073	19.1	5	-F				.31									
SACP	14	1913	1917	1915	N12	E57	.840	9073	19.1	4	-F		C		.40	.57								
HALE	14	1914	1920	1916	N12	E57	.840	9073	19.1	6	-F	1	C	1916	.21	.40								
GRP10440	14	2140	2154	2141	N16	E09	.271	9066	15.6	14	-F				.46									
SACP	14	2140	2154U	2141	N15	E08	.248	9066	15.5	14U	-F		C		.51	.50								
HOUS	14	2140	2154	2141	N16	E09	.271	9066	15.6	14	-F		C		.40	.40								
GRP10441	14	2146	2154	2148	N14	E56	.832	9073	19.1	8	-F				.28									
LOCK	14	2145	2154	2147	N13	E54	.812	9073	19.0	9	-F		C	2147	.30	.50								
HALE	14	2147	2154	2148	N13	E54	.812	9073	19.0	7	-F	1	C	2148	.15	.30								
SACP	14	2147	2154	2148	N15	E59	.860	9073	19.3	7	-F		C		.38	.56								
LOCK	14	2233	2238	2235	S12	E90	1.000	9076	21.7	5	-F		C	2235	.20	.80								

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMTPLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ht	MAX. INT. %		
					LAT.	MER. DIST.														
	1967 NOV																			
HALE	15	0009	0019	0011	N14	E07	.227	9066	15.5	10	-N	2	C	0011	.46	.50			FV	1
HALE	15	0045	0114	0059	N17	W06	.264	9065	14.6	29	-N	2	C	0059	.21	.21			H	2
CRON	15	0123	0129	0124U	N14	E62	.884	9073	19.7	6	-F		C		.10	.20				3
GRP10446	15	0228	0254	0233	N11	W52	.790	9062	11.2	26	-F		C		.66				2 2 2 3	
HALE	15	0228	0300	0230	N11	W51	.779	9062	11.3	32	-N	1	C	0230	.62	1.00			FJV	
CRON	15	0235E	0248	0236U	N11	W52	.790	9062	11.2	13D	-F		C		.70	1.10				
CRON	15	0343	0354	0345	N14	E62	.884	9073	19.8	11	-F		C		.10	.20				2
GRP10448	15	0807	0832	(0807)	N17	W57	.845	9062	11.1	25	-F		C	0805	1.60				4 4 3 1	
BUCA	15	0750E	0835D		N17	W59	.862	9062	10.9	45D	-F		C		.99	1.90				
CRON	15	0804	0812	0806	N18	W59	.863	9062	10.9	8	-F		C		.30	.60				
CATA	15	0805E	0830	0805	N18	W58	.855	9062	11.0	25D	1F		P	0805	1.11	2.17		138	BFK	
CAPE	15	0811	0851		N14	W52	.793	9062	11.4	40	1N		P	0812	2.71	4.50				
GRP10449	15	0821	0906	0837	N15	W52	.795	9062	11.4	45	-F		P	0839	1.06				3 2 2 5	
CAPE	15	0811	0851	0839	N15	W51	.785	9062	11.5	40	1N		P	0835	1.66	2.70		141		
CATA	15	0830	0915	0835	N15	W52	.795	9062	11.5	45	-F		C		.46	.80				
BUCA	15	0855	0911D		N14	W53	.803	9062	11.4	16D	-F		C	0857	.43	.70				
GRP10450	15	1110	1128	1115	S20	W14	.449	9069	14.4	18	-F		C	1111	.23				2 2 2 4	
HUAN	15	1109	1125		S20	W13	.441	9069	14.5	16	-F	1	C	1115	.21	.21			D	
CATA	15	1110	1130	1115	S19	W15	.444	9069	14.3	20	-N		C		.25	.28		151		
CATA	15	1120	1150	1125	N10	E58	.848	9073	19.8	30	-N		C	1125	.51	.96		155		3
CATA	15	1150	1200	1150	S20	W15	.457	9069	14.4	10	-F		C	1150	.33	.37		141		5
CATA	15	1340	1350D	1340	N11	E52	.790	9073	19.5	10D	-N		C	1340	.13	.23		151		6
CATA	15	1410	1420D	1415	N11	E52	.790	9073	19.5	10D	-N		C	1415	.18	.29		159		6
SACP	15	1504	1510	1506	N11	E50	.769	9073	19.4	6	-N		C		.51	.63				4
GRP10456	15	1712	1729	1716	N12	E48	.748	9073	19.3	17	-N		C		.48				6 6 6 1	
SACP	15	1703	1709	1705	N11	E48	.746	9073	19.3	6	-N		C		1.01	1.25				
HALE	15	1704	1734	1718	N11	E47	.735	9073	19.2	30	-B	2	C	1718	.31	.50			FHIJL	
HALE	15	1704	1734	1708	N08	E50	.766	9073	19.5	30	-B	2	C	1708	.21	.30				
LOCK	15	1710U	1729	1715	N10	E49	.757	9073	19.4	19U	-N		C	1715	.50	.80		20		
HOUS	15	1714	1725	1715	N13	E47	.738	9073	19.2	11	-F		C		.30	.40		100		
BOUL	15	1714	1733	1716	N12	E49	.759	9073	19.4	19	-N		C		.50	.80				
SACP	15	1714	1729	1716	N12	E48	.748	9073	19.3	15	-N		C		.91	1.12				
HUAN	15	1715	1721		N12	E49	.759	9073	19.4	6	-F	1	C	1717	.25	.31			D	
GRP10457	15	1833	1841	1836	N12	E43	.689	9073	19.0	8	-F		C		.38				2 2 2 4	
HOUS	15	1831	1839	1834	N12	E43	.689	9073	19.0	8	-F		C		.30	.40		100		
HALE	15	1834	1843	1838	N12	E42	.677	9073	18.9	9	-N	1	C	1838	.46	.60			W	
GRP10458	15	1847	1853	1849	N19	E39	.661	9072	18.7	6	-F		C		.21				2 2 2 5	
HOUS	15	1846	1853	1848	N19	E38	.649	9072	18.6	7	-F		C		.10	.10		100		
HALE	15	1847	1853	1850	N19	E40	.673	9072	18.8	6	-N	1	C	1850	.31	.40			J	
GRP10459	15	1859	1922	1904	N20	E13	.364	9067	16.8	23	-F		C	1905	.99				5 5 5 1	
LOCK	15	1858	1925	1905	N21	E12	.368	9067	16.7	27	-F		C	1901	.60	.70		10		
HUAN	15	1859	1915		N21	E13	.376	9067	16.8	16	-F	1	C	1901	.80	.80			E	
HOUS	15	1859	1909	1901	N17	E12	.316	9067	16.7	10	-F		C	1904	.70	.70		100		
HALE	15	1900	1938	1904	N19	E13	.351	9067	16.8	38	-N	1	C		1.44	1.50			FJL	
SACP	15	1900	1921	1904	N20	E13	.364	9067	16.8	21	-N		C		1.41	1.41				
HOUS	15	1920	1950	1925	S14	W40	.683	9064	12.8	30	-F		C		.80	1.10		100		6
HOUS	15	1956	2005	1958	N11	E09	.209	9067	16.5	9	-F		C		.10	.10		100		4
HOUS	15	1956	2020	2000	N16	E15	.338	9067	17.0	24	-F		C		1.20	1.30		100		4
GRP10463	15	2016	2021	2017	N19	E39	.661	9072	18.8	5	-F		C		.61				2 2 1 3	
HOUS	15	2015	2020	2016	N19	E38	.649	9072	18.7	5	-F		C		.10	.10		100		
SACP	15	2016	2022	2018	N19	E39	.661	9072	18.8	6	-N		C		.61	.69				
HUAN	15	2037	2045		S15	W38	.665	9064	13.0	8	-F	1	C	2039	.21	.23			D	4
HOUS	15	2136	2147	2140	S15	W38	.665	9064	13.0	11	-F		C		.10	.10		100		4
BOUL	15	2206	2221	2210	S13	E80	.987	9076	21.9	15	-F		C		.30	.90				3
SACP	15	2242	2318	2251	N16	W65	.908	9062	11.1	36	-F		C		1.11	1.84				1

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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	
	1967 NOV 15	2330	0000	NO FLARE PATROL														
CRON	16	0150	0200	0153	N14	W69	.933	9062	10.9	10	-F	C		.10	.20			2
CRON	16	0305	0314	0307	S10	W45	.726	9064	12.8	9	-F	C		.20	.30			3
GRP10470	16	1002	1056	1011	N10	E38	.621	9073	19.3	54	2N		4.36				3 3 3 0	
ABST	16	1002	1148	1010	N10	E39	.635	9073	19.3	106	2N	C	1010	6.49	6.48		76	CFI
CAPS	16	1004E	1112		N11	E38	.624	9073	19.3	68D	2N	3	1008	4.00	5.20		210	C
KODA	16	1010E	1040	1012	N08	E38	.618	9073	19.3	30D	1N	P	1013	2.58	3.30	1.76		CIL
GRP10470	16	1049	1135	1125	N12	E37	.613	9073	19.2	46	1N		2.30				2 2 2 3	
CAPP	16	1017E	1118D		N11	E37	.610	9073	19.2	61D	2N	P	1027	4.22	5.32			2 2 2 3
CATA	16	1120	1135	1125	N13	E37	.616	9073	19.2	15	-N		1125	.37	.47		151	
CATA	16	1245	1300	1245	N09	E38	.620	9073	19.4	15	-N		1245	.46	.60		166	2
GRP10472	16	1328	1337	(1334)	N09	E38	.620	9073	19.4	9	-F		1.92				2 2 2 1	
CAPS	16	1327	1339D		N08	E38	.618	9073	19.4	12D	1N	1	1338	3.00	3.90		170	FE
HUAN	16	1328	1335		N10	E37	.608	9073	19.3	7	-F	1	1330	.83	.90			
GRP10473	16	1358	1412	1401	N09	E37	.606	9073	19.4	14	-F		.72				2 2 2 4	
HOUS	16	1358	1412	1400	N09	E37	.606	9073	19.4	14	-F	C	.50	.60		100		
SACP	16	1401E	1412	1401U	N09	E36	.592	9073	19.3	11D	-N	C	.93	1.00				
SACP	16	1422	1437U	1426	N09	E36	.592	9073	19.3	15U	-N	C	.92	1.00			4	
GRP10475	16	1433	1449	1437	N11	E02	.148	9067	16.8	16	-F		.56				2 2 2 2	
HOUS	16	1432	1458	1437	N11	E02	.148	9067	16.8	26	-F		.80	.80		100		
HUAN	16	1434	1440	1436	N10	E01	.127	9067	16.7	6	-F	2	C 1436	.31	.31			D
HUAN	16	1452	1458		N19	E49	.772	9073	20.3	6	-F	1	C 1454	.21	.26			D
GRP10477	16	1600	1616	1603	N11	E02	.148	9067	16.8	16	-F		.49				3 3 3 1	
SACP	16	1559	1615U	1601	N11	E01	.145	9067	16.7	16U	-N	C	.61	.60				
HUAN	16	1600	1612	1604	N11	E01	.145	9067	16.7	12	-F	1	C 1603	.45	.45		100	E
HOUS	16	1600	1621	1604	N10	E03	.136	9067	16.9	21	-F	C	.40	.40				
GRP10478	16	1700	1725	1709	S15	W50	.794	9064	13.0	25	-N	1	C 1708	.41	.40			2 2 2 4
HUAN	16	1700	1720	1709	S15	W50	.794	9064	13.0	20	-N	C	.31	.40	.65		D	
SACP	16	1706E	1729	1709	S15	W49	.784	9064	13.0	23D	-N	C	.51	.65				
HOUS	16	1706E	1719	1708	N14	W48	.751	9065	13.1	13D	-N	C	.30	.50		200	5	
GRP10480	16	1844	1910	1851	N09	E34	.565	9073	19.3	26	-F		.66				2 2 2 1	
SACP	16	1844	1919D	1851	N09	E34	.565	9073	19.3	35D	-N	C	1.01	1.08		100		
HOUS	16	1851E	1900	1851	N09	E34	.565	9073	19.3	9D	-F	C	.30	.40				
GRP10481	16	2008	2025	2011	N18	E44	.716	9073	20.1	17	1N		2.04				4 4 4 0	
HUAN	16	2003	2028	2009	N18	E43	.705	9073	20.1	25	1N	1	C 2009	2.37	2.70			H
HALE	16	2004	2020	2008	N18	E43	.705	9073	20.1	16	1B	1	C 2008	2.89	4.10			
BOUL	16	2009E	2020	2011	N17	E45	.724	9073	20.2	11D	1N	C	1.50	2.10				
LOCK	16	2015	2030U	2015E	N17	E44	.713	9073	20.1	15U	1F	C	2015	1.40	2.10		10	B
GRP10482	16	2018	2031	2020	S15	W51	.804	9064	13.0	13	-F		.33				2 2 2 2	
HUAN	16	2017	2031	2020	S15	W51	.804	9064	13.0	14	-F	1	C 2020	.25	.32			D
BOUL	16	2018	2030	2020	S14	W50	.791	9064	13.1	12	-N	C	.40	.70				
SACP	16	2031E	2035D	2033E	N19	E43	.708	9073	20.1	4D	1N	P	2.01	2.38			4	
BOUL	16	2038	2044	2040	N07	E29	.488	9073	19.0	6	-F	C	.70	.80			3	
GRP10485	16	2130	2301	2144	N12	E35	.586	9073	19.5	91	3B		11.02				3 3 3 0	
HALE	16	2124	2318	2143	N11	E33	.556	9073	19.4	114	3B	1	C 2143	14.85	17.80			EK
BOUL	16	2135	2230D	2144	N10	E32	.539	9073	19.3	55D	3B	C	12.20	14.50			EK	
HOUS	16	2137E	2243	2144	N09	E32	.536	9073	19.3	66D	2B	C	5.40	6.30		300	EK	
HOUS	16	2146	2155	2148	N20	E47	.754	9073	20.4	9	-N	C	.60	.90		200		
GRP10485	16	2135	2243	2202	N10	E32	.539	9073	19.3	68	2B						2 2 0 1	
BOUL	16	2135	2230D	2202	N10	E32	.539	9073	19.3	55D	3B	C						
HOUS	16	2137E	2243	2202	N09	E32	.536	9073	19.3	66D	2B							
HOUS	16	2147E	2213	2151	N14	W53	.804	9062	12.9	26D	-F	C	.40	.70		100	2	
HOUS	16	2147E	2212	2154U	N11	W80	.984	9062	10.9	25D	-F	C	.30	.90		100	2	
	16	2245	2255	NO FLARE PATROL														
	16	2320	0000	NO FLARE PATROL														

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	1967 NOV																	
	17	0000	0005	NO FLARE PATROL														
CRON	17	0055	0105	0058	N11	E65	.906	9077	21.9	10	-F	C		.20	.40			1
HALE	17	0112	0116	0112	N16	W24	.456	9066	15.2	4	-F	1 C	0112	.21	.21			2
CRON	17	0334	0344	0336	S13	W59	.871	9064	12.7	10	-F	C		.30	.60			2
GRP10491	17	0429	0440	0433	N19	E42	.697	9073	20.3	11	-N			.86				2 2 2 2
MANI	17	0428E	0440D	0433	N19	E41	.686	9073	20.3	12D	-N	2	0433	.41	.57			
CRON	17	0430	0439	0432	N19	E42	.697	9073	20.3	9	-N	C		1.30	1.80			
CRON	17	0451	0503	0454	S14	W57	.856	9064	12.9	12	-N	C		.90	1.70			3
CRON	17	0540	0549	0544	N18	E38	.647	9073	20.1	9	-N	C		.40	.50			4
GRP10494	17	0619	0641	0627	N17	E41	.679	9073	20.3	22	-F			2.02				4 4 4 1
CAPE	17	0617	0643	0626	N19	E41	.686	9073	20.3	26	1N	C	0626	2.40	3.40			T
MANI	17	0618	0625D	0623	N11	E38	.624	9073	20.1	7D	-F	2	0623	1.03	1.31			
CRON	17	0621	0637	0625	N19	E42	.697	9073	20.4	16	-N	C		1.30	1.80			D
ABST	17	0632E	0643D	0633	N19	E43	.708	9073	20.5	11D	1F	P	0633	3.33	4.76			
GRP10495	17	0633	0642	0636	S14	W58	.865	9064	12.9	9	-F			.33				2 2 2 2
CAPE	17	0632	0640	0635	S13	W58	.863	9064	12.9	8	-F	C	0635	.35	.70			T
CRON	17	0634	0644	0636	S14	W58	.865	9064	12.9	10	-F	C		.30	.60			
CRON	17	0721	0730	0723	N23	W39	.681	9065	14.4	9	-F	C		.30	.40			4
CAPE	17	0723	0745	0729	N17	E38	.643	9073	20.2	22	1F	C	0729	2.54	3.30			T 4
GRP10498	17	0827	0950	0838	N11	E26	.456	9073	19.3	83	1B			6.12				8 8 6 4
CANR	17	0814	0900	0836	N11	E25	.441	9073	19.2	46	1B	C						
CAPE	17	0817	1008	0835	N10	E26	.452	9073	19.3	111	2N	C	0835	7.96	9.00			Z
CAPE	17	0817	1008	0846	N10	E26	.452	9073	19.3	111	2N	C	0846	7.52	8.50			
CRON	17	0822	0844D	0833	N10	E27	.466	9073	19.4	22D	1B	C						
CAPS	17	0828E	0935		N11	E25	.441	9073	19.2	67D	2N	2	0845	8.00	8.80			
KODA	17	0830E	0914D	0840	N10	E25	.437	9073	19.2	44D	1B	C	0840	4.51	5.00	2.16	220	IL
MONT	17	0837E	1050		N10	E25	.437	9073	19.2	133D	2B	C	0837	5.16				
BUCA	17	0844E	1007	0844	N11	E26	.456	9073	19.3	83D	2B	P	0844	7.76	88.60			
MEUD	17	0845	0930		N09	E25	.433	9073	19.2	45	1N	C	0848	3.30	3.50			
CAPE	17	1010	1031	1013	N17	E36	.618	9073	20.1	21	1F	C	1013	2.36	3.00			T
GRP10498	17	0820	0925	0822	N11	E26	.456	9073	19.3	65	1B			4.10				8 7 5 2
CANR	17	0814	0900	0821	N11	E25	.441	9073	19.2	46	1B	C		2.50	2.80			E
CAPE	17	0817	1008	0822	N11	E27	.470	9073	19.4	111	2B	C	0822	4.99	5.60			FT
ONDR	17	0819E	0944		N12	E25	.446	9073	19.2	85D	2N	V	0822			3.30	245	CFH
CATA	17	0820E	0915D	0820	N12	E26	.460	9073	19.3	55D	1B	C	0820	2.31	2.62			
ABST	17	0821	0939D	0821	N10	E27	.466	9073	19.4	78D	2B	C	0838	8.28	9.36			CFJ
CRON	17	0822	0844D	0825	N10	E27	.466	9073	19.4	22D	1B	C		2.40	2.70			K
ISTA	17	0823E	1006		N10	E27	.466	9073	19.4	103D	3B							
MEUD	17	0826	0827		N10	E25	.437	9073	19.2	1	-N	C	0827	1.13	1.20			
CAPE	17	0821	0836	0825	N10	W80	.984	9062	11.3	15	-F	C	0825	.26				9
HUAN	17	1120	1127	1122	N13	E24	.437	9073	19.3	7	-F	2 C	1122	.25	.25			D 6
CAPE	17	1155	1221	1207	N14	W32	.553	9066	15.1	26	-F	C	1207	.31	.40			H 6
CAPE	17	1224	1301	1241	S14	W60	.881	9064	13.0	37	-F	C	1241	.70	1.50			T 5
CAPE	17	1300	1315	1306	N20	E18	.418	9072	18.9	15	-F	C	1306	.44	.50			4
CAPE	17	1309	1335	1315	S14	W61	.889	9064	13.0	26	-F	C	1315	.39	.90			T 4
CAPE	17	1431	1449	1432	N13	W15	.311	9067	16.5	18	-F	C	1432	1.22	1.30			K 4
CAPE	17	1431	1449	1439	N13	W15	.311	9067	16.5	18	-F	C	1439	1.14	1.20			4
GRP10506	17	1448	1507	1455	N13	W27	.479	9066	15.6	19	-N			1.13				6 6 6 0
CANR	17	1444	1456	1447	N13	W27	.479	9066	15.6	12	-N	C		.50	.60			E
CAPE	17	1446	1536	1455	N13	W27	.479	9066	15.6	50	1N	C	1455	2.19	2.50			
CAPS	17	1447	1500D		N15	W28	.504	9066	15.5	13D	-B	1	1455	1.50	1.70			190
HOUSS	17	1450	1504	1454	N13	W28	.493	9066	15.5	14	-N	C		.40	.50			200
SANM	17	1450	1503D	1455	N13	W27	.479	9066	15.6	13D	-F	P	1455	1.13	1.28			E
HUAN	17	1451	1504		N13	W27	.479	9066	15.6	13	-N	1 C	1455	1.08	1.11			E

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION MIN.	IMPOR-TANCE	OBS. COND.	TYPE	MEASUREMENTS					REMARKS					
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH FLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %				
	1967 NOV																						
GRP10586	HUAN SACP HUAN	19 19 19	1811 1834 1832 1835	1820 1847 1846 1848	N15 N16 N15 N16	W75 W74 W72 W75	.965 .961 .951 .966	9065 9065 9065 9065	14.1 14.2 14.4 14.1	9 53 82 25	-F -N 1N -N	1 C C C	1815 1815 1815 1848	.21 .83 1.10 .55		2.25				D 2 2 2 E	3 2 2		
GRP10587	SACP HUAN	19 19	1835 1834 1836	1844 1845 1842	1838 1838	N19 N19 N18	E78 E76 E79	.978 .970 .981	9082 9082 9082	25.6 25.5 25.7	9 11 6	-F -N -F	1 C 1	1838	.43 .50 .35	1.14				2 2 2 E	2 2 2		
GRP10588	HUAN HOUS HALE HOUS	19 19 19 19	1912 1907 1912 1917 1922	1935 1941 1922 1932 1933	1920 1915 1914 1921 1923	N16 N16 N17 N16 N17	W77 W76 W78 W76 W78	.974 .970 .978 .970 .978	9065 9065 9065 9065 9065	14.0 14.1 13.9 14.1 14.0	23 34 10 15 11	-N -B -N -N -N	1 C C 1 C	1915 1915 1921	.31 .41 .20 .31 .20	.60	200	200		3 3 3 D KT KT	1 3 2		
GRP10589	SACP HOUS HOUS HUAN	19 19 19 19	2009 2007U 2009 2009 2010	2045 2050U 2035 2035 2050	2030 2029 2030 2012	N17 N16 N17 N17 N17	W77 W75 W78 W78 W78	.974 .966 .978 .978 .978	9065 9065 9065 9065 9065	14.1 14.2 14.0 14.0 14.0	36 43U 26 26 40	-N 1N -N -N -N	C C C 1 P	2033	.86 1.21 .20 .50	2.69		200		3 3 2 K	2 2		
GRP10590	HALE HUAN	19 19	2013 2011 2014	2029 2029 2027D	2019 2019	N11 N11 N10	W43 W43 W43	.688 .688 .687	9067 9067 9067	16.6 16.6 16.6	16 18 13D	-F -F -F	1 C 1	2019 2017	.47 .31 .62	.40 .72				T E	2 2 2 3		
	HALE	19	2129	2149	2131	N17	W76	.970	9065	14.2	20	-F	1	C	2131	.31					T	1	
GRP10592	HALE BOUL MANI SACP HUAN	19 19 19 19 19	2214 2214 2214 2215E 2217E 2217E	2228 2232 2224U 2226 2310U 2226	2217 2215 2217 2218 2218	N10 N11 N11 N11 N09 N09	W48 W46 W48 W49 W48 W49	.746 .724 .748 .759 .745 .757	9067 9067 9067 9067 9067 9067	16.3 16.5 16.3 16.3 16.3 16.3	14 18 10U 11D 53U 9D	-N -N 1N -F 1N -N	1 C C 1 C 1	P C C P	2217 2217 2216 2217	1.41 .62 1.40 1.24 2.62 1.19	.90 2.10 1.91 3.20 1.44				5 5 5 T E	0 1	
	HALE	20	0003D	0012	0003	N22	E61	.886	9082	24.6	9D	-N	1	P	0003	.52	1.10					1	
	HALE	20	0019	0028	0021	N08	W15	.275	9073	18.9	9	-B	1	C	0021	.72	.80					H	1
	HALE	20	0050	0059	0052	N29	E22	.558	9077	21.7	9	-F	2	C	0052	.72	.90					CG	2
	HALE	20	0115E	0123	0115	N11	W46	.725	9067	16.6	8D	-N	1	C	0115	.31	.40					2	
	CRON	20	0128	0136	0130	N17	W80	.984	9065	14.1	8	-F	C		.20	.60						3	
GRP10598	HALE CRON	20 20	0137 0136 0138	0154 0159 0149	0139 0138 0140	N12 N11 N12	W44 W45 W43	.703 .713 .691	9067 9067 9067	16.8 16.7 16.8	17 23 11	-N -B -F	2 C C	0138	.46 .21 .70	.30 1.00					2 2 2 J	2	
GRP10599	HALE CRON	20 20	0229 0228 0229	0247 0252 0242	0230 0230 0230	N08 N09 N07	W17 W16 W17	.307 .297 .302	9073 9073 9073	18.8 18.9 18.8	18 24 13	-B -B -N	2 C C	0230	.43 .46 .40	.50 .40					2 2 2 H H	2	
	HALE	20	0230	0247	0231	N18	E72	.952	9082	25.5	17	-B	1	C	0231	.21						JL	3
GRP10601	HALE CRON MANI	20 20 20	0250 0250 0250 0251	0304 0311 0303 0258	0253 0252 0255 0253	N18 N19 N18 N18	W01 E00 E00 W02	.271 .288 .271 .273	9073 9073 9073 9073	20.0 20.1 20.1 20.0	14 21 13 7	-N -N -N -F	2 C C 2	0252 0253	.41 .31 .60 .31	.32 .60 .60 .32					3 3 3 EL	1	
GRP10602	HALE CRON	20 20	0253 0252 0253	0320 0333D 0306	0303 0309 0257	N17 N17 N17	W77 W74 W80	.974 .961 .984	9065 9065 9065	14.3 14.6 14.1	27 41D 13	-N -B -F	1 C C	0309	.21 .21 .20	.60					2 2 2 GJ	3	
GRP10603	CRON MANI	20 20	0325 0320 0329	0335 0330 0340D	(0329) 0323	N18 N19 N16	W82 W82 W82	.989 .990 .989	9065 9065 9065	14.0 14.0 14.0	10 10 11D	-F -F -N	1 C	0334	.26 .20 .31	.70 .82					2 2 2 3		
	CRON	20	0348	0354	0350	N16	W82	.989	9065	14.0	6	-N	C		.50	1.50						2	
	CRON	20	0437	0446	0441	N19	W82	.990	9065	14.0	9	-F	C		.20	.70						2	
	ABST CRON	20 20	0520 0520	0527 0525	0522 0522	N09 N15	W52 E72	.789 .951	9067 9082	16.3 25.6	7 5	2F -N	C C	0522	3.33 .20	5.41 .50						D	4 4
GRP10608	ABST CAPE	20 20	0555 0555E 0721	0832 0832D 0730	0601 0601 0723	N21 N17 N25	E68 E71 E65	.932 .946 .917	9082 9082 9082	25.3 25.6 25.2	157 157D 9	2N 2N 2F	C C	0601 0723	3.33 3.33 2.54	9.69 6.30		66			2 1 1 DK T	4	

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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	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _α		MAX. INT. %
	1967 NOV																	
HUAN	22	1524	1534	1527	N09	W45	.711	9073	19.3	10	-B	1	C	1527	.88	1.03		0
HUAN	22	1531	1538	1535	N09	W88	.999	9066	16.0	7	-F	2	C	1535	.45		E	0
HUAN	22	1538	1556		N07	W45	.708	9073	19.3	18	-N	2	C	1544	.37	.44	D	0
HUAN	22	1617	1632		N10	W47	.736	9073	19.2	15	-F	2	C	1625	.21	.25	D	1
GRP10686	22	1658	1711	1703	N19	W14	.372	9077	21.7	13	-F				1.12			
HUAN	22	1656	1713	1703	N19	W13	.362	9077	21.7	17	-N	2	C	1703	1.24	1.24		2 2 2 1
HOU5	22	1659	1708	1702	N19	W14	.372	9077	21.7	9	-F				1.00	1.10		100
GRP10687	22	1747	1759	1752	N11	W48	.748	9073	19.1	12	-F				.41			
HUAN	22	1746	1756		N10	W47	.736	9073	19.2	10	-F	1	P	1749	.21	.25	D	2 2 2 2
LOCK	22	1747	1802	1752	N11	W49	.760	9073	19.1	15	-F				.60	.90		10
HUAN	22	1756E	1818		N22	E36	.647	9082	25.4	220	-F	1	C	1803	1.39	1.55	E	3
GRP10689	22	1802	1810	1804	N19	W44	.723	9073	19.5	8	-F				.58			
HUAN	22	1802	1810		N20	W42	.704	9073	19.6	8	-F	1	C	1804	.45	.53	E	2 2 2 2
LOCK	22	1802	1810	1804	N18	W46	.741	9073	19.3	8	-F				.70	1.10		10
GRP10690	22	1905	1944	1910	N10	W46	.724	9073	19.3	39	-N				1.10			
LOCK	22	1904	1922U	1910	N07	W47	.732	9073	19.3	18U	-F				.90	1.40		10
HUAN	22	1906	1944		N07	W46	.721	9073	19.3	38	-B	1	C	1913	1.29	1.57	E	
HOU5	22	1907E	1913D	1909U	N17	W46	.739	9073	19.3	6D	-N				.20	.30		200
GRP10691	22	1918	1928	1922	S18	E76	.976	9088	28.5	10	-F				.56			
HUAN	22	1916	1928		S18	E78	.982	9088	28.7	12	-N	1	C	1921	.31		D	2 2 2 1
LOCK	22	1919	1922D	1922U	S18	E73	.964	9088	28.3	3D	1F				.80	2.30		10
HUAN	22	1948	2006	1953	N09	W48	.746	9073	19.2	18	-N	1	C	1953	.70	.85	E	1
HALE	22	2100	2105	2101	N09	W47	.734	9073	19.4	5	-F	1	C	2101	.41	.60		2
HALE	22	2125	2133	2126	N08	W47	.733	9073	19.4	8	-B	2	C	2126	.15	.20		3
GRP10695	22	2228	2238	2230	N08	W49	.756	9073	19.3	10	-N				.36			
HUAN	22	2228	2230D		N08	W50	.767	9073	19.2	2D	-N	1	P	2229	.37	.45	D	3 3 3 1
HALE	22	2228	2240	2229	N08	W47	.733	9073	19.4	12	-B	2	C	2229	.21	.30		
LOCK	22	2228	2235	2230	N07	W49	.756	9073	19.3	7	-F				.50	.80		10
GRP10696	22	2230	2255	2236	N19	W16	.392	9077	21.7	25	-F				.67			
LOCK	22	2230	2245	2235	N19	W16	.392	9077	21.7	15	-F	1	C	2235	.50	.60		10
HALE	22	2230	2305	2236	N19	W15	.382	9077	21.8	35	-N	1	C	2236	.83	.90		
GRP10697	22	2345	2354	2348	N08	W49	.756	9073	19.3	9	-F				.46			
HALE	22	2345	2355	2348	N08	W48	.745	9073	19.4	10	-N	2	C	2348	.41	.60		2 2 2 1
LOCK	22	2345	2353	2347	N07	W49	.756	9073	19.3	8	-F				.50	.80		10
LOCK	22	2358	0003	2359	N07	W49	.756	9073	19.3	5	-F				.20	.30		10
GRP10699	23	0128	0134	0129	N09	W50	.769	9073	19.3	6	-F				.21			
HALE	23	0127	0133	0128	N09	W50	.769	9073	19.3	6	-N	1	P	0128	.21	.30		2 2 2 1
CRON	23	0128	0135	0129U	N09	W49	.757	9073	19.4	7	-F				.20	.30		
CRON	23	0238	0315	0242	S19	E70	.950	9088	28.4	37	1F				1.00	2.50		2
CRON	23	0242	0247	0244	N15	E80	.984	9089	29.1	5	-F				.20	.60		2
HALE	23	0249E	0250D		N10	W51	.780	9073	19.3	1D	-N	1	P	0250	.15	.20		2
CRON	23	0409E	0423	0410U	S19	E70	.950	9088	28.4	14D	-F				.70	1.80		1
CRON	23	0510	0521	0514	N15	E80	.984	9089	29.2	11	-F				.20	.60		1
CRON	23	0522	0537	0524	S18	E65	.920	9088	28.1	15	-F				.30	.70		1
CRON	23	0738	0755	0745	N21	W15	.407	9078	22.2	17	-F				1.20	1.30	L	4
MONT	23	0833	0900	0845	N10	E80	.984	9089	29.4	27	-N				.52			8
GRP10708	23	0842	0903	0847	S20	E66	.929	9088	28.3	21	-F				.32			
CATA	23	0840	0905	0845	S21	E67	.936	9088	28.4	25	-N				.33			166
CRON	23	0844	0900	0849	S18	E65	.920	9088	28.2	16	-F				.30	.70		
CATA	23	0910	0925	0915	S22	E67	.937	9088	28.4	15	-N				.27			168
MONT	23	0912	0925	0917	N10	E79	.981	9089	29.3	13	-F				.52			8

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1967 NOV	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. %	
GRP10712	23	1110	1130	1115	N10	E38	.624	9085	26.3	20	-N	C	1115	.52				5	
CANR	23	1130	1139	1135	S20	E66	.929	9088	28.4	9	-F			.37				3 3 3 4	
CATA	23	1125	1135	1128	S19	E67	.934	9088	28.5	10	-F	C		.20	.50				
MEUD	23	1130	1140	1135	S21	E65	.924	9088	28.4	10	-N		1135	.51			188		
	23	1135	1142		S20	E65	.923	9088	28.4	7	-F	C	1135	.41					
MONT	23	1130	1145	1135	N10	E78	.978	9089	29.3	15	-N	C	1135	.52			6		
SANM	23	1215E	1310		N09	W59	.858	9073	19.1	55D	-F	P	1216	.32	.58		7		
MONT	23	1340	1350	1345	N10	E77	.974	9089	29.3	10	-N	C	1345	.52			6		
GRP10716	23	1343	1438	1353	N12	W58	.851	9073	19.2	55	-N			.96			4 4 4 2		
CANR	23	1339	1354	1342	N09	W59	.858	9073	19.1	15	-F	C		.60	1.10				
SANM	23	1343	1425	1354	N08	W58	.849	9073	19.2	42	-N	C	1354	.97	1.77				
MONT	23	1345	1450	1355	N11	W58	.850	9073	19.2	65	1N	C	1355	1.55					
CATA	23	1345	1405D	1350	N19	W57	.851	9073	19.3	20D	-N	C	1350	.72	1.37				
CANR	23	1504	1510	1506	S17	E65	.919	9088	28.5	6	-F	C		.50	1.10		4		
CANR	23	1543	1546D	1546	N12	E36	.603	9085	26.4	3D	-F	C		.10	.10		2		
CANR	23	1601	1615	1605	S16	E41	.698	9087	26.7	14	-F	C		.10	.10		2		
HOUS	23	1741	1749	1744	S17	E62	.899	9088	28.4	8	-F	C		.30	.60		100		
GRP10721	23	1856	1911	1859	N09	W60	.867	9073	19.3	15	-N			.73			3 3 3 1		
LOCK	23	1855	1912	1900	N08	W59	.858	9073	19.4	17	1N	C	1900	1.10	2.10				
HOUS	23	1857	1911	1859	N10	W63	.892	9073	19.1	14	-N	C		.50	1.00				
BOUL	23	1857	1911	1858	N10	W58	.850	9073	19.4	14	-N	C		.60	1.10				
HOUS	23	1906	1923	1912	S17	E62	.899	9088	28.4	17	-F	C		.30	.60		100		
GRP10723	23	2046	2111	2054	N27	E36	.677	9086	26.6	25	-F			.60			2 2 2 0		
LOCK	23	2045	2110	2052	N29	E35	.681	9086	26.5	25	-F	C	2052	.80	1.10				
HOUS	23	2047	2108	2049	N25	E34	.644	9086	26.4	21	-F	C		.40	.50				
HOUS	23	2054	2112	2056	N25	E41	.716	9086	26.9	18	-F	C		.40	.60				
GRP10724	23	2108	2132	2116	N10	W61	.876	9073	19.3	24	-F			.55			2 2 2 0		
LOCK	23	2108	2135	2119	N08	W59	.858	9073	19.5	27	-F	C	2119	.60	1.10				
HOUS	23	2108	2128	2112	N11	W63	.892	9073	19.2	20	-N	C		.50	1.10				
HOUS	23	2108	2128	2115	N11	W63	.892	9073	19.2	20	-N	C		.50	1.10				
HOUS	23	2155	2207	2157	S28	E25	.621	9091	25.8	12	-F	C		.30	.40		100		
CRON	24	0047	0055	0050	N22	E75	.968	9089	29.7	8	-F	C		.10	.30		1		
HALE	24	0114E	0119D		N09	W65	.907	9073	19.2	5D	-N	1 P	0114	.21			2		
CRON	24	0215	0230	0219	N13	W74	.961	9073	18.5	15	1N	C		1.20	3.20		H		
CRON	24	0232	0253	0237	S28	E23	.603	9091	25.8	21	-N	C		.40	.50		1		
CRON	24	0427	0452	0434	S32	E18	.614	9091	25.5	25	-N	C		.60	.80		1		
CRON	24	0602	0630	0605	N13	W78	.978	9073	18.4	28	1F	C		.80	2.30		H		
CRON	24	0720	0747	0723	N13	W71	.946	9073	19.0	27	-F	C		.20	.50		H		
CATA	24	0805	0840	0815	S29	E18	.578	9091	25.7	35	-F		0815	.25	.31		148		
CATA	24	0900	0905	0900	N10	E25	.441	9085	26.3	5	-F		0900	.21	.24		135		
MONT	24	0900	1130		N28	E22	.553	9082	26.0	150	1N	C	0945	1.55			7		
GRP10736	24	1030	1200	1110	N14	W14	.317	9093	23.4	90	-F			.52			2 1 1 6		
MONT	24	1030	1200		N15	W12	.305	9093	23.5	90	-F	C	1035	.52					
CANR	24	1107	1127	1110	N13	W15	.319	9093	23.3	20	-F	C		.40	.40				
CATA	24	1155E	1205D	1200	S28	E20	.580	9091	26.0	10D	-F		1200	.20	.24		145		
CANR	24	1335	1350	1339	S15	E30	.561	9087	26.8	15	-F	C		.10	.10		5		
CANR	24	1350	1404	1353	S17	E50	.796	9088	28.3	14	-F	C		.10	.20		7		
CANR	24	1607	1615	1611	N22	E11	.389	9082	25.5	8	-F	C		.20	.20		3		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
					LAT.	MER. DIST.													
1967 NOV																			
GRP10741	24	1910	1945	1918	N21	E06	.343	9082	25.2	35	-N								
SACP	24	1909	1940U	1916U	N21	E04	.335	9082	25.1	31U	-N		1.44					3 3 3 2	
LOCK	24	1910	1945	1920	N22	E06	.359	9082	25.2	35	-F	C	1.62	1.61					
MCMA	24	1913E	1940D		N19	E08	.324	9082	25.4	27D	-N	C	1.40	1.50			10	F	
												C	1.29	1.30					
GRP10742	24	2226	2256	2234	N21	E05	.339	9082	25.3	30	-F								
LOCK	24	2224	2256	2237	N22	E06	.359	9082	25.4	32	-F	C	.91					2 2 2 2	
SACP	24	2228	2252U	2231	N20	E03	.316	9082	25.2	24U	-N	C	.80	.90			10		
												C	1.01	1.00					
LOCK	24	2330	2345D	2338	N26	W10	.439	9093	24.2	15D	-F	C	.50	.60			10	2	
	24	2345	0000	NO FLARE PATROL															
	25	0000	0010	NO FLARE PATROL															
CRON	25	0048	0105	0053	N11	W80	.984	9073	19.0	17	-F	C	.30	1.00				1	
CRON	25	0121	0126	0122	S12	W80	.987	9083	19.1	5	-F	C	.20	.70				1	
GRP10746	25	0157	0234	0207	S29	E12	.541	9091	26.0	37	-N								
MITK	25	0156	0239	0210	S29	E14	.551	9091	26.1	43	-N	C	1.17					2 2 2 1	
CRON	25	0157	0229	0204	S28	E10	.518	9091	25.8	32	-N	C	1.44	1.70				E	
												C	.90	1.00				EK	
CRON	25	0209	0227	0216	N10	W90	1.000	9073	18.3	18	-N	C	.80	3.20				1	
MANI	25	0502	0509	0504	N09	W80	.984	9073	19.2	7	-N	2	0504	.10	.27			D	
CRON	25	0631	0645	0634	S29	E09	.528	9091	25.9	14	-F	C	.80	.90				E	
CRON	25	0642	0647	0645	N10	W80	.984	9073	19.3	5	-F	C	.10	.30				3	
GRP10751	25	0803	0831	0812	S18	E44	.738	9088	28.6	28	-N								
CAPE	25	0803	0827	0809	S17	E40	.690	9088	28.3	24	-N	C	1.43					2 2 2 5	
MONT	25	0806E	0835	0815	S19	E48	.782	9088	28.9	29D	-N	C	1.30	1.80				F	
												C	1.55						
GRP10752	25	0805	0828	0809	N20	W03	.319	9082	25.1	23	1N								
CRON	25	0755	0807	0759	N25	W03	.399	9082	25.1	12	-N	C	2.06					4 4 4 3	
WEND	25	0804E	0818		N19	W03	.302	9082	25.1	14D	1F	V	.10	.10					
CAPE	25	0805	0828	0808	N19	W03	.302	9082	25.1	23	1N	C	3.09						
CRON	25	0805	0825	0810	N18	W03	.286	9082	25.1	20	-N	C	2.29	2.40				F	
MONT	25	0806E	0840	0810	N21	W01	.332	9082	25.3	34D	1B	C	.80	.80					
												C	2.06						
MONT	25	0923	0930	0925	N11	E11	.248	9085	26.2	7	-F	C	.31					7	
CAPE	25	0926	0936	0930	N26	W15	.474	9093	24.3	10	-F	C	.83	.90				7	
CAPE	25	0930	0936	0931	S28	E06	.503	9091	25.8	6	-F	C	1.18	1.40				T	
MONT	25	1012	1020	1015	S28	E08	.510	9091	26.0	8	-F	C	.31					5	
GRP10757	25	1015	1123	1045	S19	E41	.710	9088	28.5	68	1F								
MONT	25	1015	1110	1045	S18	E37	.661	9088	28.2	55	1F	C	2.06					3 1 1 2	
CANR	25	1110	1123	1113	S20	E48	.786	9088	29.1	13	-F	C	.20	.30					
CAPE	25	1119	1135	1124	S18	E39	.684	9088	28.4	16	-F	C	.83	1.10				F	
MONT	25	1034	1045	1036	N11	E11	.248	9085	26.3	11	-F	C	.41					4	
CANR	25	1035	1039	1037	S28	E08	.510	9091	26.0	4	-F	C	.20	.20				4	
GRP10760	25	1039	1107	1044	S16	E68	.936	9092	30.5	28	1N								
CAPE	25	1039	1107	1044	S16	E68	.936	9092	30.5	28	1N	C	1.94					1 1 1 4	
CAPE	25	1039	1107	1048	S16	E68	.936	9092	30.5	28	1N	C	1.94	1.64				K	
CAPE	25	1043	1049	1045	S28	E08	.510	9091	26.0	6	-N	C	.65	.80				T	
CAPE	25	1056	1130	1108	S24	E57	.874	9090	29.7	34	-F	C	.43	.90				4	
GRP10763	25	1136	1205	1145	S25	E06	.458	9091	25.9	29	-N								
CANR	25	1128	1154	1140	S28	E05	.501	9091	25.9	26	-N	C	1.94					5 5 5 1	
CANR	25	1128	1154	1130	S28	E05	.501	9091	25.9	26	-N	C							
WEND	25	1136	1200		S27	E06	.488	9091	25.9	24	1N	V	1.30	1.50				K	
CAPE	25	1137	1208	1149	S27	E07	.492	9091	26.0	31	1N	C	4.13						
CAPS	25	1143	1200		S17	E04	.327	9091	25.8	17	-B	3	1149	2.72	3.10			KT	
MONT	25	1155E	1225		S28	E07	.506	9091	26.0	30D	-N	C	1148	.70	.70		210		
												C	.83						
MONT	25	1208	1235	1220	N22	W01	.348	9082	25.4	27	-N	C	1220	1.55				7	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _c	MAX. INT. %	
					LAT.	MÉR. DIST.												
1967 NOV																		
GRP10765	25	1231	1250	1236	S28	E06	.503	9091	26.0	19	-B						4 4 4 3	
CANR	25	1227	1238	1230	S28	E05	.501	9091	25.9	11	-N						I	
CAPE	25	1229	1303	1237	S27	E06	.488	9091	26.0	34	1B	C	1237	3.90	4.50		KV	
CAPE	25	1229	1303	1243	S27	E06	.488	9091	26.0	34	1N	C	1243	2.72	3.10		H	
MONT	25	1230	1255	1237	S28	E06	.503	9091	26.0	25	1B	C	1237	2.06				
SANM	25	1237	1245	1238	S28	E06	.503	9091	26.0	8	-N	C	1238	1.62	1.85		E	
GRP10766	25	1319	1343	1322	N25	W19	.495	9093	24.1	24	1N				2.04			7 6 6 1
CANR	25	1310	1332	1314	N25	W19	.495	9093	24.1	22	-N	C			.80	.90		
MONT	25	1319	1345	1320	N25	W17	.478	9093	24.3	26	-B	C	1320	1.55				
CAPE	25	1319	1355	1322	N25	W18	.486	9093	24.2	36	2N	C	1322	4.89	5.60		T	
HUAN	25	1321E	1332D		N25	W19	.495	9093	24.1	11D	-N	1	P	1321	1.13	1.18		E
SANM	25	1321	1335D	1323	N26	W19	.507	9093	24.1	14D	-N		P	1323	.80	.80		E
WEND	25	1322	1352		N24	W20	.493	9093	24.1	30	1N		V		3.09			
CAPS	25	1331E	1348D		N25	W20	.504	9093	24.1	17D	-N	1	V	1335	.60	.70		E
GRP10767	25	1418	1426	1420	S28	E07	.506	9091	26.1	8	-N				.55			4 4 4 5
MONT	25	1418	1430	1419	S28	E06	.503	9091	26.0	12	-B	C	1419	.83				
CAPE	25	1418	1425	1420	S27	E05	.486	9091	26.0	7	-N	C	1420	.65	.80		T	
SANM	25	1419	1424	1421	S29	E07	.521	9091	26.1	5	-F	C	1421	.32	.37			
HUAN	25	1420E	1420D		S27	E08	.495	9091	26.2		-F	1	P	1420	.41	.43		E
GRP10768	25	1436	1447	1439	S28	E05	.501	9091	26.0	11	-F				1.33			3 3 3 5
CAPE	25	1435	1448	1438	S27	E04	.484	9091	25.9	13	1N	C	1438	2.42	2.80		FT	
SACP	25	1437	1449	1439U	S28	E05	.501	9091	26.0	12	-F	C		1.01	1.05			
HUAN	25	1439E	1444		S28	E07	.506	9091	26.1	5D	-F	1	P	1440	.57	.59		E
CANR	25	1451	1457D	1455	S28	E05	.501	9091	26.0	6D	-N	C		1.10	1.30		I	
GRP10770	25	1500	1513	1504	S28	E04	.499	9091	25.9	13	-N				1.87			5 5 5 2
SACP	25	1459	1517	1503	S28	E05	.501	9091	26.0	18	1N	C		2.62	2.72			
HUAN	25	1459	1517	1504	S28	E05	.501	9091	26.0	18	-B	2	C	1504	1.40	1.46		
CAPE	25	1459	1511	1504	S27	E04	.484	9091	25.9	12	1B	C	1504	3.67	4.20		FT	
HOUH	25	1501	1508	1505	S28	E03	.497	9091	25.9	7	-N	C		.70	.80			
SANM	25	1501	1510D	1505	S29	E05	.516	9091	26.0	9D	-N	C	1505	.97	1.11		E	
GRP10771	25	1541	1632	1553	N24	W20	.493	9093	24.2	51	-N				1.10			6 5 5 0
CANR	25	1537	1617	1542	N24	W20	.493	9093	24.2	40	-N	C		.60	.70			
SACP	25	1540	1748	1553U	N24	W20	.493	9093	24.2	128	1N	C		2.02	2.09			
HUAN	25	1541	1608D		N24	W19	.484	9093	24.2	27D	-B	1	P	1553	.88	.91		
HOUH	25	1544	1645	1555	N25	W21	.514	9093	24.1	61	-N	C		1.30	1.50		H	
LOCK	25	1603E	1617	1603E	N26	W19	.507	9093	24.2	14D	-F	C	1603	.70	.80		H	
MCMA	25	1631E	1650		N23	W20	.482	9093	24.2	19D	-N	C	1637	.72	.73			
GRP10772	25	1557	1607	1600	S29	E05	.516	9091	26.0	10	-N				.56			2 2 2 3
HOUH	25	1556	1608	1601	S29	E06	.518	9091	26.1	12	-N	C		.20	.20			
SACP	25	1557	1606	1558	S29	E03	.512	9091	25.9	9	-N	C		.91	.94		200	
LOCK	25	1615	1624	1617	S27	E04	.484	9091	26.0	9	-F	C	1617	.90	1.10		10	
CANR	25	1632	1637	1634	N22	E02	.349	9082	25.8	5	-N	C		.20	.20		4	
GRP10775	25	1639	1647	1642	N22	E02	.349	9082	25.8	8	-F				.40			2 2 2 3
SACP	25	1639	1647	1641	N21	E02	.333	9082	25.8	8	-N	C		.40	.40			
LOCK	25	1639	1647	1642	N23	E01	.364	9082	25.8	8	-F	C	1642	.40	.40		10	
LOCK	25	1645	1710	1655	N14	E40	.661	9089	28.7	25	-F	C	1655	.30	.40		10	
MCMA	25	1706	1720	1710	S29	E03	.512	9091	25.9	14	-F	C	1710	.46	.46		E	
GRP10778	25	1737	1800	1744	N18	W09	.319	9082	25.1	23	-N				.84			6 6 6 0
LOCK	25	1735	1800	1743	N19	W08	.326	9082	25.1	25	-N	C	1743	1.30	1.40		20	
MCMA	25	1737	1800	1746	N20	W05	.325	9082	25.4	23	-N	C	1746	.62	.62		E	
SACP	25	1738	1754	1742	N18	W08	.311	9082	25.1	16	-N	C		1.01	.99			
HOUH	25	1739	1758	1745	N15	W14	.329	9082	24.7	19	-N	C		.90	.90		200	
HUAN	25	1745E	1758		N17	W08	.296	9082	25.1	13D	-N	1	P	1748	.80	.80		E
HALE	25	1752E	1810		N17	W09	.304	9082	25.1	18D	-F	2	P	1752	.41	.42		
GRP10779	25	1810	1845	1820	N25	W21	.514	9093	24.2	35	-N				1.69			6 6 6 0
MCMA	25	1758	1810D	1803	N25	W20	.504	9093	24.2	12D	-B	C						
HALE	25	1809	1905	1820	N25	W20	.504	9093	24.3	56	-N	2	P	1820	1.55	1.80		20
LOCK	25	1810	1847	1820	N26	W21	.524	9093	24.2	37	1N	C	1820	1.90	2.30			
SACP	25	1810	1844	1822U	N24	W21	.503	9093	24.2	34	1N	C		2.92	3.03			
MCMA	25	1810	1845	1822	N25	W20	.504	9093	24.3	35	-B	C	1822	1.55	1.60		EH	
HOUH	25	1812	1835	1816	N24	W20	.493	9093	24.3	23	-N	C		.90	1.00		200	
HUAN	25	1813E	1835D		N24	W21	.503	9093	24.2	22D	-B	1	P	1818	1.29	1.34		
MCMA	25	1856	1902D	1858	N24	W22	.513	9093	24.1	6D	-N	C	1858	.21	.21		D	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
	1967 NOV																	
LOCK	26	1955	2025	2000	S25	E40	.731	9090	29.8	30	-F	C	2000	.90	1.40		10	2
HOUS	26	2042	2048	2043	N11	W78	.978	9077	21.0	6	-F	C		.20	.60		100	2
HOUS	26	2200U	2208D	2205U	N24	W37	.672	9093	24.1	8D	-N	C		.40	.50		200	E 1
	26	2210	2225	NO FLARE PATROL														
MANI	26	2302	2306D	2304	S28	W13	.531	9091	26.0	4D	-N	1	2304	.26	.30			F 0
GRP10810	27	0034	0041	0036	N22	W40	.695	9093	24.0	7	-N			.66				2 2 2 1
CRON	27	0034	0042	0037	N21	W40	.690	9093	24.0	8	-N	C		.60	.80			E
MITK	27	0034	0040	0035	N23	W40	.700	9093	24.0	6	-N	C	0035	.72	1.00			
GRP10811	27	0134	0146	0137	N22	W40	.695	9093	24.1	12	-N			.92				2 2 2 2
CRON	27	0133	0150	0137	N22	W38	.673	9093	24.2	17	-N	C		1.00	1.40			E
MITK	27	0135	0142	0136	N22	W41	.705	9093	24.0	7	-N	C	0136	.83	1.30			E
MANI	27	0153	0202	0156	N23	W37	.668	9093	24.3	9	-N	2	0156	.21	.27			3
GRP10813	27	0240	0250	0244	N22	W40	.695	9093	24.1	10	-N			1.45				4 4 4 0
MITK	27	0238	0250	0244	N22	W42	.716	9093	24.0	12	1N	C	0244	1.44	2.10			E
CRON	27	0239	0250	0242	N22	W38	.673	9093	24.3	11	-N	C		1.00	1.40			E
MANI	27	0241E	0250		N22	W38	.673	9093	24.3	9D	-N	1	0241	1.44	1.94			
KODA	27	0242	0250	0246	N23	W42	.720	9093	24.0	8	1F	C	0245	1.93	2.80	1.80		DH
MITK	27	0303	0312	0305	N22	W42	.716	9093	24.0	9	-F	C	0305	.72	1.10			3
GRP10815	27	0321	0334	0323	N21	W41	.701	9093	24.1	13	1N			2.35				3 3 3 1
MITK	27	0315	0327	0318	N22	W38	.673	9093	24.3	12	1N	C	0318	2.27	3.10			
CRON	27	0316	0335	0320	N21	W37	.657	9093	24.4	19	1N	C		2.00	2.70			
MANI	27	0319E	0333	0323	N21	W38	.668	9093	24.3	14D	-N	2	0323	1.44	1.92			
MITK	27	0322	0332	0323	N20	W48	.771	9093	23.5	10	-N	C	0323	.93	1.50			
CRON	27	0322	0337	0324	N19	W48	.768	9093	23.5	15	-N	C		.40	.60			
MITK	27	0330	0335	0331	N22	W42	.716	9093	24.0	5	-N	C	0331	.72	1.00			
CRON	27	0349	0357	0353	S21	E07	.398	9088	27.7	8	-N	C		.60	.70			2
CRON	27	0501	0510	0504	N22	W42	.716	9093	24.1	9	-F	C		.50	.70			2
GRP10818	27	0606	0626	0610	N22	W43	.727	9093	24.0	20	-F			1.64				2 2 2 2
CAPE	27	0605	0631	0609	N22	W42	.716	9093	24.1	26	1N	C	0609	2.17	3.20			T
CRON	27	0607	0620	0610	N22	W43	.727	9093	24.0	13	-F	C		1.10	1.60			
GRP10819	27	0611	0700	0637	S18	E15	.413	9088	28.4	49	-N			2.75				3 3 2 1
CAPE	27	0609	0720	0637	S17	E16	.411	9088	28.5	71	1N	C	0637	4.50	4.90			F
MANI	27	0613	0620	0615	S18	E13	.395	9088	28.2	7	-N	2		.21	.22			
CRON	27	0632	0650	0637	S18	E15	.413	9088	28.4	18	-N	C		1.00	1.10			
MANI	27	0634E	0650	0636	S19	E18	.454	9088	28.6	16D	-F	2	0636	.52	.57			
CAPE	27	0614	0620	0615	N28	W36	.688	9082	24.6	6	-N	C	0615	.26	.40			3
GRP10821	27	0648	0717	0657	N21	W40	.690	9093	24.3	29	1N			1.92				2 2 2 3
CAPE	27	0640	0714	0653	N20	W40	.686	9093	24.3	34	1N	C	0653	1.64	2.20			
CRON	27	0655	0720	0700	N22	W40	.695	9093	24.3	25	1N	C		2.20	3.10			
GRP10821	27	0639	0707	0641	N22	W38	.673	9093	24.4	28	-N			.93				2 2 2 2
MANI	27	0637	0700	0639	N24	W37	.673	9093	24.5	23	-N	2	0639	.21	.28			
CAPE	27	0640	0714	0642	N20	W39	.674	9093	24.4	34	1N	C	0642	1.64	2.20			FK
GRP10821	27	0626	0705	0638	N28	W38	.707	9093	24.4	39	-N			.54				2 2 2 2
CAPE	27	0621	0709	0639	N28	W37	.698	9093	24.5	48	-N	C	0639	.78	1.10			F
CRON	27	0630	0700	0637	N28	W38	.707	9093	24.4	30	-N	C		.30	.40			K
CRON	27	0630	0700	0640	N28	W38	.707	9093	24.4	30	-N	C						
GRP10822	27	0655	0755	0720	N23	W43	.731	9093	24.1	60	-B			1.87				2 2 1 3
CAPE	27	0655	0749	0720	N22	W42	.716	9093	24.1	54	1B			1.87	2.70			F
CAPE	27	0655	0749	0713	N22	W42	.716	9093	24.1	54	1N	C	0713	2.25	3.30			HKT
ISTA	27	0720E	0800		N23	W44	.741	9093	24.0	40D	-N							
CRON	27	0821	0835	0827	N28	W40	.726	9093	24.3	14	-N	C		1.30	1.90			4
CAPE	27	0930	0953	0940	N19	W41	.693	9093	24.3	23	1F	C	0940	1.56	2.10			F 1
CAPE	27	1102	1132	1108	N23	W50	.799	9093	23.7	30	-N	C	1108	.65	1.10			F 2
CAPE	27	1107	1136	1129	N28	W43	.754	9093	24.2	29	-N	C	1129	.35	.50			1
CAPE	27	1147	1153	1147	S29	W25	.625	9091	25.6	6	-F	C	1147	.39				T 1

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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 H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 NOV																		
CAPE	27	1157	1210	1201	N23	W42	.726	9093	24.3	13	-N		C	1201	.26	.40			T 1
GRP10829	27	1218	1222	1221	N25	W45	.759	9093	24.1	4	-F				.46				T 3 3 3 1
CAPE	27	1211	1218	1214	N23	W47	.771	9093	24.0	7	-N		C	1214	.35	.50			T
HUAN	27	1213	1219		N22	W49	.787	9093	23.8	6	-F	1	C	1215	.21	.26			D
CAPE	27	1218	1229	1221	N28	W41	.735	9093	24.4	11	-N		C	1221	.60	.90			
HUAN	27	1218	1223D		N27	W42	.740	9093	24.4	5D	-F	1	P	1220	.25	.31			D
SANM	27	1219	1226	1221	N27	W45	.768	9093	24.1	7	-F		C	1221	.32	.48			
CAPE	27	1226	1230	1227	S21	E08	.403	9088	28.1	4	-N		C	1227	.60	.70			3
HUAN	27	1300E	1306		N22	W47	.767	9093	24.0	6D	-F	1	P	1302	.21	.26			D 3
GRP10832	27	1322	1334	1327	N22	W48	.777	9093	24.0	12	-F				.31				2 2 2 1
CANR	27	1317	1329	1322	N22	W48	.777	9093	24.0	12	-F		C		.30	.50			
HUAN	27	1327	1338	1331	N22	W48	.777	9093	24.0	11	-N	2	C	1331	.31	.39			D
HUAN	27	1347	1357D		N24	W47	.774	9093	24.0	10D	-F	1	P	1350	.25	.32			D 3
GRP10834	27	1438	1455	1440	N24	W45	.755	9093	24.2	17	-F				.32				2 2 2 3
CAPE	27	1421	1437	1425	N22	W48	.777	9093	24.0	16	1N		C	1425	1.77	2.80			T
CAPE	27	1437	1446	1440	N26	W45	.763	9093	24.2	9	-N		C	1440	.43	.70			JT
HOUS	27	1438	1458	1439U	N26	W45	.763	9093	24.2	20	-F		C		.20	.30		100	
CAPE	27	1439	1452	1441	N21	W41	.701	9093	24.5	13	-F		C	1441	1.30	1.80			T
CAPE	27	1521	1538	1527	N11	E17	.332	9089	28.9	17	-F		C	1527	.52	.60			4
GRP10836	27	1602	1623	1610	N24	W54	.837	9093	23.6	21	1F				1.40				3 3 3 1
HOUS	27	1602	1620	1610	N23	W54	.835	9093	23.6	18	1F		C		1.70	3.10		100	
MCMA	27	1602E	1612D		N24	W54	.837	9093	23.6	10D	1N		C	1608	1.29	2.20			
LOCK	27	1603E	1625	1610	N26	W53	.834	9093	23.7	22D	1F		C	1610	1.20	2.20		10	
BOUL	27	1832	1857	1836	S22	E04	.402	9088	28.1	25	-F		C		.90	1.00			2
LOCK	27	1840	1900	1845	N23	W46	.761	9093	24.3	20	-F		C	1845	.80	1.20		10	2
LOCK	27	1930	1955	1939	S21	E04	.387	9088	28.1	25	-N		C	1939	1.10	1.20		20	L 2
GRP10840	27	2320	2350	2330	N24	W49	.793	9093	24.3	30	-F				1.07				2 2 2 0
LOCK	27	2320	2350	2330	N23	W50	.799	9093	24.2	30	-F		C	2330	1.20	2.00		10	
MANI	27	2326E	2340D		N25	W48	.787	9093	24.4	14D	-F	2	C	2326	.93	1.48			
CRON	28	0040	0051	0044	N24	W52	.821	9093	24.1	11	-N		C		.60	1.00			I 1
MANI	28	0049	0100	0053	N21	W32	.601	9082	25.6	11	-F	2		0053	.21	.26			1
CRON	28	0053E	0059	0054	N27	W48	.795	9093	24.4	6D	-N		C		.40	.70			1
CRON	28	0104	0123	0109	N22	W53	.824	9093	24.1	19	-N		C		.80	1.40			IK 1
CRON	28	0104	0123	0116	N22	W53	.824	9093	24.1	19	-N		C						1
CRON	28	0131	0151	0137	N22	W53	.824	9093	24.1	20	-N		C		.80	1.40			IK 1
CRON	28	0131	0151	0143	N22	W53	.824	9093	24.1	20	-N		C						2
CRON	28	0324	0344	0328	N23	W53	.827	9093	24.2	20	-N		C		1.70	2.90			I 1
GRP10847	28	0444	0510	0453	N24	W58	.870	9093	23.8	26	-F				1.78				2 2 2 1
CRON	28	0444	0510	0453	N23	W56	.852	9093	24.0	26	-N		C		1.80	3.30			I
MANI	28	0453E	0505D		N24	W60	.885	9093	23.7	12D	1F	2		0455	1.75	3.35			
GRP10848	28	0515	0540	0519	S29	W31	.674	9091	25.9	25	-F				.60				1 1 1 3
CRON	28	0515	0540	0519	S29	W31	.674	9091	25.9	25	-F		C		.60	.80			K
CRON	28	0515	0540	0523	S29	W31	.674	9091	25.9	25	-F		C						
ABST	28	0644E	0719D	0648	S21	W02	.381	9088	28.1	35D	1F		C	0648	2.70	2.96		58	E 2
CRON	28	0743	0809	0747	S24	W04	.432	9088	28.0	26	-N		C		.40	.40			1
CRON	28	0747	0752	0749	N24	W54	.838	9093	24.3	5	-N		C		.40	.70			I 1
	28	1015	1025		NO FLARE PATROL														
	28	1050	1105		NO FLARE PATROL														
GRP10852	28	1530	1610	(1540)	S21	W07	.396	9088	28.1	40	-N				1.29				2 1 1 1
MCMA	28	1530	1610		S20	W06	.376	9088	28.2	40	-N		C	1540	1.29	1.30			F
HUAN	28	1558E	1600D		S22	W07	.411	9088	28.1	2D	-F	1	P	1559	.57	.57			E

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OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL	MCMATH	CMP			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
	1967 NOV				LAT.	MER. DIST.	DISTANCE	PLAGE REGION	DAY											
BOUL	28	1613	1622	1615	N24	W64	.912	9093	23.9	9	-F	C		.60	1.30					1
BOUL	28	1651	1706	1653	N24	W64	.912	9093	23.9	15	-F	C		.60	1.30					1
BOUL	28	1654	1704	1657	N20	W43	.719	9082	25.5	10	-F	C		.40	.60					1
SACP	28	1756E	1758D	1756U	N21	W44	.734	9082	25.4	2D	-N	C		.30	.36					2
SACP	28	1756E	1758D	1756U	N22	W62	.896	9093	24.1	2D	-N	C		.50	.80					2
HALE	28	1800E	1820		N19	W43	.715	9082	25.5	20D	-F	1 P	1800	.21	.30					2
HALE	28	1800E	1811		N24	W64	.912	9093	23.9	11D	-F	1 P	1800	.21						2
HALE	28	1800E	1835		S28	W39	.737	9091	25.8	35D	-N	1 P	1814	.15	.20					2
GRP10861	28	1813	1828	1815	N22	W64	.910	9093	24.0	15	-N			.31						2 2 2 1
HALE	28	1812	1835	1814	N22	W64	.910	9093	24.0	23	-N	1 P	1814	.36						
MCMAN	28	1813	1820	1815	N21	W64	.909	9093	24.0	7	-N	C	1815	.26	.60					D
	28	1900	1905	NO FLARE PATROL																
LOCK	28	1934	1938	1936	N25	W59	.879	9093	24.4	4	-F	C	1936	.60	1.20				10	4
LOCK	28	2132	2147	2137	S31	W38	.748	9091	26.0	15	-F	C	2137	.60	.90				10	1
MANI	28	2307E	2311		N24	W63	.906	9093	24.2	4D	-F	1	2307	.21	.41					1
LOCK	28	2359	0006	0002	S30	W47	.815	9091	25.5	7	-F	C	0002	.90	1.50				10	1
CRON	29	0112	0126	0117	N18	W49	.777	9082	25.4	14	-N	C		.70	1.10					2
CRON	29	0131	0144D	0135	S29	W41	.760	9091	26.0	13D	-F	C		.50	.80					K 1
CRON	29	0131	0144D	0141	S29	W41	.760	9091	26.0	13D	-F	C								1
CRON	29	0251	0300	0253	S28	W50	.830	9091	25.4	9	-N	C		.30	.50					2
GRP10869	29	0251	0306	0255	N29	W63	.914	9093	24.4	15	-F			.21						2 2 2 1
CRON	29	0246	0305	0251	N29	W63	.914	9093	24.4	19	-F	C		.20	.40					
MANI	29	0255	0307	0258	N28	W63	.912	9093	24.4	12	-N	2	0258	.21	.43					
CRON	29	0315	0337	0320	N18	W47	.756	9082	25.6	22	-N	C		.80	1.30					1
CRON	29	0400	0420	0403	S26	W49	.814	9091	25.5	20	-N	C		.40	.70					1
CRON	29	0413	0428	0419	N19	W48	.769	9082	25.6	15	-N	C		.60	1.00					1
MANI	29	0433	0452	0437	S17	W46	.753	9091	25.7	19	-N	2	0437	.26	.39					1
CRON	29	0524	0545	0530	S27	E24	.594	9098	1.0	21	-N	C		.30	.40					1
CRON	29	0526	0536	0529	N09	E60	.868	9098	3.7	10	-F	C		.10	.20					1
CRON	29	0531	0537	0534	N29	W67	.936	9093	24.2	6	-F	C		.20	.40					1
GRP10877	29	0544	0611	0546	S22	W48	.790	9091	25.6	27	-N			.31						2 1 1 0
MANI	29	0544	0602	0546	S18	W48	.777	9091	25.6	18	-N	2	0546	.31	.48					
CRON	29	0558	0620	0605	S26	W48	.806	9091	25.6	22	-N	C		.40	.70					
CRON	29	0621	0700	0624	S21	W18	.474	9088	27.9	39	-N	C		.70	.80					K 1
CRON	29	0621	0700	0652	S21	W18	.474	9088	27.9	39	-N	C								2
GRP10879	29	0631	0636	0632	N22	W70	.946	9093	24.0	5	-N			.51						3 3 3 0
CRON	29	0630	0636	0633	N24	W72	.957	9093	23.9	6	-N	C		.40	1.10					
MANI	29	0630E	0637	0631	N18	W67	.926	9093	24.2	7D	-B	2	0631	.26	.54					
CAPE	29	0632	0636		N23	W71	.952	9093	23.9	4	-N	P	0632	.87						B
CRON	29	0709	0740	0713	S29	W46	.802	9091	25.8	31	-F	C		1.10	1.80					2
GRP10881	29	0720	0731	0723	N21	W70	.945	9093	24.1	11	-N			.41						2 2 2 1
MANI	29	0719	0733	0722	N18	W67	.926	9093	24.3	14	-N	2	0722	.41	.86					
CRON	29	0721	0729	0724	N24	W72	.957	9093	23.9	8	-N	C		.40	1.10					
CAPE	29	0800	0814	0807	S18	W13	.391	9088	28.4	14	-F	C	0807	.39	.40					H 2

SOLAR FLARES
NOVEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 NOV																	
GRP10938	30	2006	2015	2008	S29	W70	.957	9091	25.6	9	-F							
HOUS	30	2006	2015	2008	S28	W70	.956	9091	25.6	9	-N						2 2 2 0	
HUAN	30	2006	2014		S29	W70	.957	9091	25.6	8	-F	1	C	2008	.36 .30 .41	.80	200	E D
GRP10936	30	2025	2038	2029	S29	W69	.952	9091	25.7	13	-F							
SACP	30	2002	2033D	2024	S30	W65	.934	9091	26.0	31D	-F							
HUAN	30	2025	2036		S29	W71	.961	9091	25.5	11	-F	1	C	2030	.78 1.10 .25	2.01		3 3 3 1
BOUL	30	2025U	2040	2029	S29	W70	.957	9091	25.6	15U	1N				1.00	2.80		D
HOUS	30	2034	2039	2036	N06	E39	.632	9098	3.8	5	-F				.20	.30	100	
GRP10938	30	2054	2110	2058	S30	W65	.934	9091	26.0	16	-F							
HOUS	30	2054	2109	2056	S28	W66	.937	9091	25.9	15	-N				.25 .20	.50	200	3 3 3 2
HUAN	30	2100E	2107		S30	W65	.934	9091	26.0	7D	-F	1	P	2100	.25			D
LOCK	30	2100E	2115	2100U	S32	W64	.932	9091	26.1	15D	-F				.30	.70	10	
LOCK	30	2140	2145	2142	S31	W70	.959	9091	25.7	5	-F				.20	.50	10	

- 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 D₃ in emission.
- Q = Flare shows the Balmer continuum in emission.
- R = Marked asymmetry in H α line.
- S = Brightening follows disappearance of filament (same position).
- T = Region active all day.
- U = Close and somewhat parallel bright filaments (|| or Y shape).
- V = Occurrence of an explosive phase.
- W = Great increase in area after time of maximum intensity.
- X = Unusually wide H α emission.
- Y = Onset of a system of loop-type prominences.
- Z = Major sunspot umbra covered by flare.

The four columns of numbers under "Remarks" give for each grouped report the number of observatories reporting the flare, the number of values entering the average importance, the number of values entering the average measured area and the number of observatories which did not see the flare but were making observations at the time of maximum of the flare. This last column appears for the first time with this listing.

When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses.

Beginning with this publication the code name for Canary Islands has been changed from CANA to CANR.