

SOLAR FLARES

Original Reports and Statistical Summaries
DECEMBER 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 DEC																
GRP10940	01	0052	0109	0056	S27	W66	.935	9091	26.1	17	-N						
CRON	01	0050	0104	0053	S27	W65	.929	9091	26.2	14	-N	C	0058	.66	1.80		2 2 2 1
MANI	01	0053	0114	0058	S26	W67	.939	9091	26.0	21	-N	2		.80	1.09		I
GRP10941	01	0145	0204	0153	S20	W06	.370	9092	30.6	19	-N			.23			2 2 2 1
CRON	01	0145	0205	0150	S21	W08	.395	9092	30.5	20	-N	C	0156	.20	.20		
MANI	01	0152E	0202	0156	S19	W04	.347	9092	30.8	10D	-N	2		.26	.27		
CRON	01	0228	0255	0234	S20	W07	.375	9092	30.6	27	-F	C		.60	.60		2
CRON	01	0230	0250	0236	S25	W72	.962	9091	25.7	20	-N	C		.60	1.70		I 2
CRON	01	0258	0315	0301	S25	W72	.962	9091	25.7	17	-N	C		.60	1.70		I 2
GRP10945	01	0327	0412	0343	S27	W72	.963	9091	25.7	45	1N			1.42			3 3 3 0
MANI	01	0317	0422	0346	S27	W68	.945	9091	26.0	65	1B	2	0346	1.75	3.76		
CRON	01	0330	0405	0339	S28	W73	.968	9091	25.7	35	2N	C		1.90	5.80		H
MITK	01	0335	0410	0345	S27	W75	.975	9091	25.5	35	1N	C	0345	.62			
CRON	01	0454	0501	0457	S19	W42	.717	9088	28.1	7	-N	C		.10	.10		2
GRP10947	01	0516	0547	0525	S26	W72	.963	9091	25.8	31	-B			.67			2 2 2 1
MANI	01	0511	0546	0523	S27	W68	.945	9091	26.1	35	-B	2	0523	.93	2.02		
CRON	01	0520	0547	0526	S24	W75	.973	9091	25.6	27	-N	C		.40	1.20		HI
CRON	01	0608	0625	0615	S24	W75	.973	9091	25.6	17	-N	C		.40	1.20		HI 2
CRON	01	0627	0655	0629	N21	W67	.929	9082	26.2	28	-F	C		.30	.70		K 1
CRON	01	0627	0655	0642	N21	W67	.929	9082	26.2	28	-F	C					1
GRP10950	01	0653	0708	0657	S29	W69	.952	9091	26.1	15	-N			.43			2 2 2 0
CRON	01	0651	0705	0656	S29	W69	.952	9091	26.1	14	-N	C		.50	1.30		
MANI	01	0655	0710	0657	S28	W69	.951	9091	26.1	15	-N	1	0657	.36	.78		
CRON	01	0727	0735	0730	S30	E05	.519	9094	1.7	8	-N	C		.30	.40		1
MANI	01	0746E	0746D		N27	W90	1.000	9082	24.6		2B	1	0746	5.16			1
CRON	01	0800	0830	0805	S25	W74	.970	9091	25.8	30	-N	C		.40	1.20		IK 0
CRON	01	0800	0830	0823	S25	W74	.970	9091	25.8	30	-N	C					1
GRP10954	01	0942	1003	0944	S31	W69	.954	9091	26.2	21	-N			.39			4 4 3 0
ATHN	01	0940	0945D	0945	S32	W70	.960	9091	26.2	5D	1N	1					
CAPE	01	0941	1016	0942	S29	W69	.952	9091	26.2	35	-N	C	0942	.60			FV
CANR	01	0941E	0947	0945	S32	W70	.960	9091	26.2	6D	-F	C		.30	.80		
CATA	01	0945	1005	0945	S29	W67	.943	9091	26.4	20	-N	C	0945	.27		155	
GRP10955	01	1034	1105	1043	S27	W77	.981	9091	25.7	31	1N			2.23			4 4 2 4
CATA	01	1030	1150	1040	S24	W75	.973	9091	25.8	45D	-N		1040	.09		166	
CAPE	01	1032E	1106E	1045	S26	W77	.981	9091	25.7	34D	3B	C	1045	4.36			
LOCA	01	1034	1105	1040	S26	W75	.974	9091	25.8	31	1N	V	1040				
ATHN	01	1040	1053	1045	S30	W80	.990	9091	25.4	13	-N	1					
CAPE	01	1142E	1153		S29	W70	.957	9091	26.2	11D	-N	P	1146	.60			3
GRP10957	01	1155	1207	1200	S30	W75	.976	9091	25.9	12	-N			.48			2 2 1 3
ATHN	01	1154	1206	1157	S30	W80	.990	9091	25.5	12	-N	1					
CAPE	01	1156	1207	1202	S29	W70	.957	9091	26.2	11	-N	C	1202	.48			
GRP10958	01	1251	1330	1252	S30	W73	.969	9091	26.1	39	1B			1.14			7 7 5 1
CAPE	01	1249E	1333	1251	S29	W71	.961	9091	26.2	44D	1B	C	1251	1.82			V
HUAN	01	1249	1303D		S30	W72	.966	9091	26.1	14D	1N	1	P	1252	.80		ET
MONT	01	1250	1405	1252	S29	W70	.957	9091	26.3	75	2B	C	1252	1.55			
CANR	01	1251E	1300U	1251U	S29	W78	.985	9091	25.7	9U	-N	C		.40	1.20		
HTPR	01	1252	1313	1252	S30	W70	.958	9091	26.3	21	1B	C	1252	1.13			
ATHN	01	1252E	1301D	1252	S32	W80	.990	9091	25.5	9D	1B	1					
LOCA	01	1254E	1309		S30	W68	.949	9091	26.4	15D	1B	V	1254				
GRP10958	01	1257	1328	1304	S27	W78	.984	9091	25.7	31	1B			2.34			6 6 5 1
HUAN	01	1249	1303D		S28	W77	.982	9091	25.8	14D	1N	1	P	1303	1.13		
CAPS	01	1251	1325D		S26	W77	.981	9091	25.8	34D	2N	2		4.50		228	F
CAPE	01	1259	1321	1303	S26	W77	.981	9091	25.8	22	2B	C	1303	3.16			V
LOCA	01	1259	1320	1306	S26	W75	.974	9091	25.9	21	1N	V	1306				
MONT	01	1301	1405	1303	S27	W80	.989	9091	25.5	64	2B	C	1303	2.06			
HTPR	01	1302	1311	1304	S26	W80	.989	9091	25.5	9	1B	C	1304	.83			

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1967 DEC	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				OMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
GRP10959	01	1321	1353	1328	N14	E81	.988	9101	7.6	32	-N			.47				3 3 3 2
CAPE	01	1318	1349	1328	N14	E80	.985	9101	7.6	31	-N	C	1328	.48				
MONT	01	1323	1350	1325	N13	E82	.990	9101	7.7	27	-N	C	1328	.52				
CANR	01	1330E	1400	1331U	N14	E80	.985	9101	7.6	30D	-F	C		.40	1.40			
CAPE	01	1334	1415	1336	N20	W72	.955	9082	26.2	41	-N	C	1336	.52				VH 2
CAPE	01	1348	1403	1355	N21	W33	.615	9104	29.1	15	-N	C	1355	1.34	1.70			F 3
CAPE	01	1433	1448	1443	N20	W73	.960	9082	26.1	15	1F	C	1443	.87				5
GRP10963	01	1440	1455	1448	S29	W73	.969	9091	26.1	15	-F			.64				3 3 3 3
HUAN	01	1439	1450		S29	W72	.965	9091	26.2	11	-F	1 C	1443	.45				E
CAPE	01	1441	1454	1442	S29	W71	.961	9091	26.3	13	-F	C	1442	.65				
MONT	01	1441	1500D	1444	S29	W71	.961	9091	26.3	19D	1N	C	1444	.72				
HUAN	01	1452	1500D	1453	S27	W81	.991	9091	25.5	8D	1N	C	1453	.83				
GRP10964	01	1456	1503	1457	S28	W80	.989	9091	25.6	7	-N			.31				4 4 4 2
HUAN	01	1456	1501	1457	S27	W82	.993	9091	25.5	5	-N	1 C	1457	.25				D
SACP	01	1456	1504	1458	S28	W81	.991	9091	25.5	8	-N	C		.40				
CAPE	01	1456	1505	1457	S27	W79	.987	9091	25.7	9	-N	C	1457	.39				V
CANR	01	1457E	1458D	1457U	S29	W80	.990	9091	25.6	1D	-F	C		.20	.70			
CAPE	01	1502	1518	1510	S30	W71	.962	9091	26.3	16	-F	C	1510	.69				
GRP10965	01	1525	1541	1532	N20	W75	.969	9082	26.0	16	-N			.68				3 3 3 0
SACP	01	1523	1546	1532U	N20	W72	.955	9082	26.2	23	-N	C		.60	1.23			
CAPE	01	1525	1541	1532	N20	W74	.964	9082	26.1	16	1N	C	1532	1.34				
CANR	01	1527	1537	1532	N21	W78	.980	9082	25.8	10	-F	C		.10	.30			
GRP10966	01	1536	1556	1544	S30	W71	.962	9091	26.3	20	-N			.59				2 2 2 1
CAPE	01	1535	1558E	1545	S30	W70	.958	9091	26.4	23D	-N		1545	.48				
CAPE	01	1535	1558E	1539	S29	W71	.961	9091	26.3	23D	-N	C	1539	.43				K
SACP	01	1537	1553	1542U	S30	W72	.966	9091	26.3	16	-N	C		.70	1.55			
GRP10967	01	1630	1643	1636	S30	W74	.973	9091	26.1	13	-F			.31				2 2 2 2
LOCK	01	1630	1642	1636	S29	W75	.976	9091	26.1	12	-F	C	1636	.30	.90			
HUAN	01	1633E	1643		S30	W72	.966	9091	26.3	10D	-F	1 P	1635	.31				D
SACP	01	1657	1708	1703	N22	W79	.983	9082	25.8	11	-N	C		.30				3
GRP10969	01	1705	1709	1707	S28	W79	.987	9091	25.8	4	-N			.30				2 2 2 2
SACP	01	1705	1709	1706	S29	W80	.990	9091	25.7	4	-N	C		.30				
LOCK	01	1705	1709	1707	S26	W78	.984	9091	25.9	4	-N	C	1707	.30	.90			
GRP10970	01	1745	1752	1750	S27	W83	.995	9091	25.5	7	-N			.54				3 3 3 2
SACP	01	1743	1751	1746	S28	W85	.998	9091	25.4	8	-N	C		.70				
LOCK	01	1743	1753	1745	S24	W83	.994	9091	25.5	10	-N	C	1745	.60	2.00			
HUAN	01	1744	1751	1746	S27	W85	.998	9091	25.4	7	-N	1 C	1746	.31				D
LOCK	01	1747	1815	1759	S28	W75	.975	9091	26.1	28	-F	C	1759	.60	1.70			
GRP10971	01	1748	1813	1754	S31	W73	.970	9091	26.3	25	-N			.58				3 3 3 2
HUAN	01	1748	1806D	1757	S31	W72	.967	9091	26.3	18D	-N	1 C	1757	.62				E
HALE	01	1748	1811	1754	S30	W73	.969	9091	26.3	23	1B	1 C	1754	.62				
SACP	01	1748	1815	1752	S31	W73	.970	9091	26.3	27	-N	C		.51	1.15			
HUAN	01	1825	1837		S25	W31	.638	9090	29.4	12	-F	1 C	1830	.21	.23			D 4
GRP10973	01	1830	1917	1840	N22	W86	.998	9082	25.3	47	-F			.28				2 2 2 3
HUAN	01	1830	1918		N22	W88	.999	9082	25.2	48	-F	1 C	1846	.25				D
LOCK	01	1830	1915	1840	N22	W83	.993	9082	25.5	45	-F	C	1840	.30	1.00			
GRP10974	01	1933	2024	1947	S27	W82	.993	9091	25.7	51	1N			1.76				2 2 2 0
LOCK	01	1932	2014	1950	S26	W83	.995	9091	25.6	42	2N	C	1950	2.00	6.80			
SACP	01	1933	2033U	1944U	S28	W81	.991	9091	25.7	60U	1N	C		1.52				
GRP10975	01	2056	2106	2058	S31	W75	.977	9091	26.2	10	-B			.69				4 4 4 0
LOCK	01	2055	2107	2058	S31	W78	.985	9091	26.0	12	1B	C	2058	.90	2.80			
SACP	01	2056	2106	2058	S31	W74	.974	9091	26.3	10	-N	C		.80	1.91			
HUAN	01	2056	2106		S30	W74	.973	9091	26.3	10	-B	1 C	2058	.50				E
HALE	01	2057E	2104		S30	W73	.969	9091	26.4	7D	1B	1 P	2057	.57				
LOCK	01	2230	2239	2233	S27	W83	.995	9091	25.7	9	-F	C	2233	.50	1.70			0
LOCK	01	2253	2303	2258	S25	W83	.995	9091	25.7	10	-F	C	2258	.40	1.40			0
LOCK	01	2325	2340	2330	S27	W83	.995	9091	25.8	15	-F	C	2330	.40	1.40			1
	02	0015	0030	NO FLARE PATROL														

SOLAR FLARES
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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	MCMATH	CMP				TIME	MEAS.	CORR.	MAX.	MAX.		
					LAT.													MER. DIST.
	1967 DEC																	
CRON	02	0032E	0045	0032U	S24	W90	1.000	9091	25.3	13D	1N	C		1.10	4.4 $\bar{0}$		0	
CRON	02	0110	0128	0114	N16	W44	.719	9104	28.7	18	-F	C		.20	.3 $\bar{0}$		1	
CRON	02	0123	0132	0125	N25	W42	.734	9104	28.9	9	-N	C		.50	.7 $\bar{0}$		0	
CRON	02	0135	0156	0141	N25	W47	.782	9104	28.5	21	-F	C		.40	.6 $\bar{0}$		1	
CRON	02	0219	0230	0224	N25	W47	.782	9104	28.6	11	-F	C		.40	.6 $\bar{0}$		0	
CRON	02	0301	0310	0304	S26	W90	1.000	9091	25.4	9	-N	C		.30	1.2 $\bar{0}$		0	
CRON	02	0324	0332	0325	S22	W90	1.000	9091	25.4	8	1F	C		.60	2.4 $\bar{0}$		0	
CRON	02	0430	0445	0435	S26	W90	1.000	9091	25.4	15	1F	C		.50	2.0 $\bar{0}$		0	
CRON	02	0454	0510	0458	N24	W90	1.000	9082	25.5	16	-F	C		.20	.8 $\bar{0}$		0	
CRON	02	0507	0520	0512	S26	W90	1.000	9091	25.5	13	1F	C		.50	2.0 $\bar{0}$		0	
GRP10989	02	0535	0600	0546	S27	W87	.999	9091	25.7	25	1F	C		1.03			2 2 1 1	
CRON	02	0535	0600	0539	S28	W90	1.000	9091	25.5	25	1F	C		.70	2.8 $\bar{0}$		K	
CRON	02	0535	0600	0546	S28	W90	1.000	9091	25.5	25	1F	C						
MANI	02	0550E	0551D		S25	W83	.995	9091	26.0	10	1N	1	0550	1.03	2.8 $\bar{0}$			
GRP10990	02	0601	0619	0606	S29	W90	1.000	9091	25.5	18	-N	C		.33			2 2 2 1	
CRON	02	0601	0620	0606	S29	W90	1.000	9091	25.5	19	-N	C		.30	1.2 $\bar{0}$			
CAPE	02	0609E	0617		S28	W90	1.000	9091	25.5	8D	-N	P	0610	.35			BT	
GRP10991	02	0618	0626	0620	N24	W90	1.000	9082	25.5	8	-F	C		.25			2 2 2 1	
CRON	02	0616	0626	0620	N24	W90	1.000	9082	25.5	10	-F	C		.20	.8 $\bar{0}$			
CAPE	02	0619	0625	0620	N24	W90	1.000	9082	25.5	6	-N	C	0620	.30				
GRP10992	02	0642	0700	0644	S27	W90	1.000	9091	25.5	18	-N	C		.78			2 2 2 0	
CAPE	02	0640	0700	0643	S27	W90	1.000	9091	25.5	20	-N	C	0643	.95			VT	
CRON	02	0643	0700	0644	S27	W90	1.000	9091	25.5	17	1N	C		.60	2.4 $\bar{0}$			
GRP10993	02	0715	0727	0719	N21	W80	.986	9085	26.3	12	-F	C		.32			2 2 2 0	
CRON	02	0715	0724	0720	N21	W78	.980	9085	26.5	9	-F	C		.20	.7 $\bar{0}$			
CAPE	02	0715	0729	0718	N20	W82	.991	9085	26.2	14	-N	C	0718	.43			V	
GRP10994	02	0808	0818	0813	N22	W90	1.000	9082	25.6	10	-N	C		.89			3 3 3 1	
CAPS	02	0803E	0812D		N20	W90	1.000	9082	25.6	9D	1N	2	0812	1.50			170	
CAPE	02	0810	0817	0812	N23	W90	1.000	9082	25.6	7	-N	C	0812	.78			Y	
CRON	02	0810	0818	0814	N24	W90	1.000	9082	25.6	8	-N	C		.40	1.6 $\bar{0}$		AV	
GRP10995	02	0843	0852	0843	S33	W83	.995	9091	26.1	9	-F	C		.25			2 2 2 5	
ATHN	02	0842E	0850	0842	S35	W85	.998	9091	26.0	8D	-N	2	0842	.10				
CAPE	02	0843	0853	0844	S30	W80	.990	9091	26.4	10	-F	C	0844	.39				
NERA	02	0854	0903		S17	W01	.306	9094	2.3	9	2N	2					5	
GRP10997	02	0955	1003	0957	S30	W82	.994	9091	26.3	8	-N	C		.32			4 4 2 3	
MONT	02	0955	1045	0957	S30	W90	1.000	9091	25.7	50	1N	C						
CANR	02	0955	1000	0956	S30	W80	.990	9091	26.4	5	-F	C		.20	.7 $\bar{0}$			
CAPE	02	0956	1003	0957	S30	W80	.990	9091	26.4	7	-N	C	0957	.43			V	
LOCA	02	1000E	1007		S30	W77	.982	9091	26.6	7D	-N	S						
CANR	02	0959	1003	1000	N15	E70	.943	9101	7.7	4	-F	C		.20	.5 $\bar{0}$		6	
HUAN	02	1144	1154	1146	N22	W46	.761	9104	29.0	10	-F	2	C	1146	.31	.3 $\bar{0}$		E
HUAN	02	1151	1203	1152	S27	W90	1.000	9091	25.7	12	-F	2	C	1152	.41			ET
HUAN	02	1215	1221	1216	S28	W04	.485	9094	2.2	6	-F	2	C	1216	.75	.7 $\bar{0}$		E
GRP11002	02	1217	1231	1220	N22	W46	.761	9104	29.1	14	-F	C		.33			2 2 2 2	
CANR	02	1215	1230	1218	N21	W46	.757	9104	29.1	15	-F	C		.40	.6 $\bar{0}$			
HUAN	02	1218	1231	1221	N22	W46	.761	9104	29.1	13	-F	2	C	1221	.25	.31		D
GRP11003	02	1219	1232	1221	N25	W16	.481	9100	1.3	13	-F	C		.36			2 2 2 2	
CANR	02	1218	1235	1221	N24	W16	.468	9100	1.3	17	-F	C		.50	.6 $\bar{0}$			
HUAN	02	1219	1228	1221	N26	W16	.493	9100	1.3	9	-F	2	C	1221	.21	.21		D
GRP11004	02	1236	1247	1239	N22	W46	.761	9104	29.1	11	-F	C		.36			2 2 2 3	
HUAN	02	1235	1247	1237	N22	W46	.761	9104	29.1	12	-N	2	C	1237	.31	.38		D
CANR	02	1237	1247	1240	N21	W46	.757	9104	29.1	10	-F	C		.40	.6 $\bar{0}$			

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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																	
	DEC																	
CRON	06	0437	0452	0443	N12	E19	.378	9101	7.6	15	-F	C		.30	.30			2
CRON	06	0447	0510	0452	S19	E58	.866	9108	10.5	23	1N	C		1.10	2.00		I	0
CRON	06	0527	0544	0530	S19	E55	.841	9108	10.4	17	-N	C		.50	.90		I	0
GRP11104	06	0552	0616	0555	S19	E57	.858	9108	10.5	24	1N	C		1.32			2 2 2	3
CRON	06	0552	0601	0555	S20	E56	.852	9108	10.4	9	1N	C		1.40	2.50		I	
CULG	06	0600E	0630D	0607	S17	E58	.863	9108	10.6	30D	1N	P	1	1.24	2.16			
GRP11105	06	0635	0650	0638	S16	W78	.980	9092	30.4	15	-F	C		.64			2 2 2	3
CAPE	06	0634	0645	0638	S16	W76	.973	9092	30.6	11	-F	C	0638	.87				
CRON	06	0635	0654	0637	S15	W80	.986	9092	30.3	19	-F	C		.40	1.20			
GRP11106	06	0645	0659	0648	S17	E55	.837	9108	10.4	14	-N	C	0646	.92			2 2 2	2
CAPE	06	0644	0657	0646	S15	E55	.833	9108	10.4	13	1N	C		1.34	2.40		T	
CRON	06	0645	0700	0649	S19	E55	.841	9108	10.4	15	-N	C		.50	.90		I	
CAPE	06	0647	0704	0654	N22	E70	.948	9107	11.5	17	-F	C	0654	.26				2
GRP11108	06	0822	0844	0830	S18	E54	.830	9108	10.4	22	1N	C		1.40			4 4 4	1
CAPE	06	0819	0839	0829	S17	E55	.837	9108	10.5	20	1N	C	0829	1.94	3.50		KT	
CAPE	06	0819	0839	0831	S17	E55	.837	9108	10.5	20	1N	C	0831	1.77	3.20			
CATA	06	0820	0940	0830	S20	E53	.826	9108	10.3	80	1N	C	0830	1.16	2.07			158
CRON	06	0826	0840	0830	S20	E56	.852	9108	10.6	14	1N	C		1.40	2.50		I	
CAPS	06	0828E	0854D		S16	E52	.807	9108	10.3	26D	-N	C	0832	1.10	2.00			170
CRON	06	0905	0917	0910	S17	E52	.809	9108	10.3	12	-N	C		.30	.50		I	
CAPE	06	0829	0837	0831	N24	E42	.732	9102	9.5	8	-F	C	0831	1.08	1.60			4
GRP11110	06	0842	0853	0846	N25	E44	.757	9102	9.7	11	-N	C		.65			2 2 2	3
CAPE	06	0840	0851	0845	N26	E44	.761	9102	9.7	11	-N	C	0845	.69	1.10			
CRON	06	0844	0855	0847	N23	E43	.738	9102	9.6	11	-N	C		.60	.90			
GRP11111	06	0935	0945	0938	N17	E80	.986	9107	12.4	10	-N	C		.28			2 2 2	3
CAPE	06	0927	0945	0936	N15	E82	.991	9107	12.5	18	-N	C	0936	.35				
CRON	06	0932	0943	0938	N14	E78	.979	9107	12.2	11	-N	C		.20	.60			
CAPE	06	0937	0942	0938	N20	E80	.986	9107	12.4	5	-F	C	0938	.39				
CRON	06	0938	0944	0942	N19	E78	.980	9107	12.3	6	-F	C		.10	.30			
CAPE	06	0947	0954	0948	N24	E41	.723	9102	9.5	7	-F	C	0948	1.12	1.60			3
GRP11113	06	0954	1004	0957	S19	E55	.841	9108	10.5	10	-N	C		.42			3 3 3	1
CAPE	06	0952	1004	0959	S17	E55	.837	9108	10.5	12	-N	C	0959	.60	1.10		T	
CATA	06	0955	1210D	0955	S20	E53	.826	9108	10.4	135D	-N	C	0955	.35	.63			158
CRON	06	0955	1033D	0958	S19	E56	.850	9108	10.6	38D	-F	C		.30	.50		I	
CAPE	06	1041	1103	1043	N24	E41	.723	9102	9.5	22	-N	C	1043	.78	1.10			4
GRP11115	06	1104	1152	1114	S21	E75	.971	9110	12.1	48	-F	P		.75			2 2 2	2
BUCA	06	1026	1108D		S21	E75	.971	9110	12.1	42D	-F	P	1057	.55				
CAPE	06	1104	1152	1128	S21	E75	.971	9110	12.1	48	1N	C	1128	.95				
CAPE	06	1104	1152	1114	S21	E75	.971	9110	12.1	48	1N	C	1114	.95			KT	
GRP11116	06	1200	1219	1204	S17	E53	.819	9108	10.5	19	1N	C		1.57			2 2 2	3
CAPS	06	1158E	1226D		S17	E52	.809	9108	10.4	28D	1N	C	1206	1.70	2.60		E	170
CAPE	06	1201	1211	1204	S17	E54	.828	9108	10.6	10	1N	C	1204	1.43	2.60		T	
GRP11117	06	1355	1400	1355	S17	E54	.828	9108	10.6	5	-F	C		.27			2 2 2	5
ATHN	06	1354	1359	1355	S18	E54	.830	9108	10.6	5	-N	C	1355	.33	.60			
HUAN	06	1355	1400		S15	E53	.815	9108	10.6	5	-F	C	1356	.21	.27		D	
GRP11118	06	1616	1637	1620	N24	E37	.682	9102	9.5	21	1F	C		1.69			4 4 4	0
SACP	06	1615	1644	1621	N24	E36	.672	9102	9.4	29	1N	C		2.42	2.77			
CANR	06	1615	1630	1618	N25	E35	.668	9102	9.3	15	-N	C		.60	.80			
HOUL	06	1616	1630	1620	N24	E38	.692	9102	9.5	14	1F	C		2.10	2.90			
HUAN	06	1616	1643		N23	E37	.676	9102	9.5	27	1F	C	1622	1.65	1.90			
CANR	06	1643	1650	1646	N24	E38	.692	9102	9.5	7	-F	C		.30	.40			
HUAN	06	1736	1742	1738	N13	E12	.299	9101	7.6	6	-F	C	1738	.25	.25		D	2
GRP11120	06	1745	1754	(1748)	S19	E52	.814	9108	10.6	9	-F	C		.31			2 2 2	2
HALE	06	1744	1754		S19	E51	.805	9108	10.6	10	-N	C	1748	.41	.70			
HUAN	06	1745	1754		S18	E52	.812	9108	10.6	9	-F	C	1747	.21	.27		D	
LOCK	06	1905	1920	1909	N12	E12	.288	9101	7.7	15	-F	C	1909	.20	.20			3
HUAN	06	1915	1942		S15	E48	.764	9108	10.4	27	-F	C	1918	.50	.62			3

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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. %		
LOCK	1967 DEC 06	1932	1943	1936	N10	E08	.218	9101	7.4	11	-F	C	1936	.50	.50			3	
LOCK	06	2053	2115	2100	S27	W62	.909	9094	2.2	22	-F	C	2100	.70	1.50			2	
GRP11125	06	2055	2130	2102	N15	E74	.964	9107	12.4	35	-F	C	2104	.56				2 2 2 1	
LOCK	06	2055	2115	2104	N14	E72	.954	9107	12.3	20	-F	C	2104	.50	1.40				
SACP	06	2055	2145	2100	N16	E75	.968	9107	12.5	50	-F	C	2104	.61	1.35				
	07	0000	0005	NO FLARE PATROL															
	07	0035	0135	NO FLARE PATROL															
CRON	07	0420	0428	0422	N14	W02	.242	9101	7.0	8	-N	C		.30	.30			H 1	
CAPE	07	0658	0704	0659	N14	W03	.245	9101	7.1	6	-F	C	0659	.56	.60			CH 3	
CAPE	07	0842	0855	0847	S29	W57	.880	9094	3.1	13	-F	C	0847	.99	2.00			3	
GRP11129	07	0940	1000	0947	N24	E27	.580	9102	9.4	20	-N							5 5 5 0	
BUCA	07	0900	1050D		N23	E26	.560	9102	9.3	110D	1F	P	0956	1.21					
CAPE	07	0900	0910	0902	N23	E27	.571	9102	9.4	10	-F	C	0902	3.32	4.00				
MONT	07	0930	1005	0945	N27	E27	.607	9102	9.4	35	-N	C	0945	.69	.80				
CAPE	07	0942	1007	0947	N23	E27	.571	9102	9.4	25	-N	C	0947	.72					
CANR	07	0944	0952	0947	N23	E27	.571	9102	9.4	8	-N	C	0947	1.21	1.50				
CRON	07	0944	0955	0949	N23	E26	.560	9102	9.4	11	-N	C		.40	.50			E	
GRP11130	07	1010	1030	1014	N24	E26	.569	9102	9.4	20	-N			.81				2 2 2 4	
ATHN	07	1007E	1035D	1010	N23	E25	.550	9102	9.3	28D	-N	2	1010	1.32	1.60				
CRON	07	1013	1025	1018	N24	E27	.580	9102	9.5	12	-N	C		.30	.40				
GRP11131	07	1106	1121	1110	N11	W16	.330	9109	6.3	15	-N			.34				4 4 4 2	
CATA	07	1105E	1120	1110	N11	W16	.330	9109	6.3	15D	-N		1110	.31	.33		186		
CAPE	07	1105	1123	1109	N11	W15	.316	9109	6.3	18	-F	C	1109	.52	.60			H	
ATHN	07	1106	1121	1108	N10	W17	.335	9109	6.2	15	-N	2	1108	.33	.40				
CANR	07	1107	1119	1111	N11	W15	.316	9109	6.3	12	-N	C		.20	.20				
CATA	07	1115	1145D	1120	S33	W55	.877	9094	3.3	30D	-N		1120	.37			159	4	
ATHN	07	1148	1216	1150	N10	W17	.335	9109	6.2	28	-N	2	1150	.33	.40			5	
HUAN	07	1415	1426	1416	N11	W17	.343	9109	6.3	11	-F	2	C	1416	.21	.21			DH 5
HUAN	07	1625	1628		N11	W18	.357	9109	6.3	3	-F	2	C	1626	.21	.21			D 2
GRP11136	07	1836	1904	1845	S17	E64	.908	9110	12.6	28	-F			1.07				2 2 2 1	
SACP	07	1831	1902	1845	S16	E63	.900	9110	12.5	31	1F	C		1.31					
HUAN	07	1841	1906		S17	E65	.915	9110	12.7	25	-N	1	C	1846	.83	2.11			E
GRP11137	07	1843	1857	1846	N19	E55	.840	9107	11.9	14	-F			.65				3 3 3 0	
SACP	07	1842	1901	1846	N20	E54	.833	9107	11.8	19	-F	C		1.21	1.69				
HUAN	07	1844	1858	1846	N19	E56	.848	9107	12.0	14	-N	1	C	1846	.25	.35			D
BOUL	07	1844	1851	1847	N19	E56	.848	9107	12.0	7	-F	C		.50	.90				
GRP11138	07	1945	1950	1947	S17	E25	.500	9103	9.7	5	-F			.23				2 2 2 1	
HUAN	07	1944	1946D		S17	E24	.488	9103	9.6	2D	-F	1	P	1945	.25	.26			D
BOUL	07	1945	1950	1947	S17	E25	.500	9103	9.7	5	-F	C		.20	.20				
	07	2200	2205	NO FLARE PATROL															
CRON	07	2248	2300D	2252	N18	E37	.650	9102	10.7	12D	-N	C		.90	1.20			E 1	
	07	2300	2310	NO FLARE PATROL															
ATHN	08	0605	0614	0606	S23	E29	.593	9108	10.4	9	-N	2	0606	.33	.40			2	
GRP11141	08	0642	0656	0647	S18	E30	.567	9108	10.5	14	-N			1.30				2 2 2 1	
CAPE	08	0641	0659	0646	S17	E30	.561	9108	10.5	18	1N	C	0646	1.99	2.40			F	
CRON	08	0642	0652	0647	S18	E29	.555	9108	10.5	10	-N	C		.60	.70			E	
GRP11142	08	0802	0817	0805	S19	E30	.574	9108	10.6	15	-F			.56				2 2 2 3	
CATA	08	0800E	0810D	0805	S19	E30	.574	9108	10.6	10D	-F		0805	.60	.74		145		
CAPE	08	0804	0817		S18	E30	.567	9108	10.6	13	-N	P		.52	.60			BTH	
CATA	08	0810E	0820D	0810	N19	E32	.597	9102	10.7	10D	-F		0810	.48	.61		145	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	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %		
GRP11144	1967 DEC																			
	CAPE	08 0941	0952	0944	S18	E29	.555	9108	10.6	11	-N				.38					7 7 7 4
	HTPR	08 0939	0959	0945	S18	E29	.555	9108	10.6	20	-N	C	0945	.43	.50					TH
	CANR	08 0940	0946	0943	S18	E28	.543	9108	10.5	6	-F	C	0942	.26	.30					
	CATA	08 0940	0953	0944	S19	E30	.574	9108	10.7	13	-N	C		.20	.20					
	BUCA	08 0940	0955	0940	S20	E28	.558	9108	10.5	10D	-N		0940	.33	.40					178
	ATHN	08 0940	0955	0944	S17	E28	.536	9108	10.5	15	-N	C	0945	.66	.80					
	CRON	08 0943	0953	0944	S19	E30	.574	9108	10.7	10	-N	2	0944	.50	.60					
	CRON	08 0943	0951	0946	S18	E28	.543	9108	10.5	8	-N	C		.30	.40					
	ATHN	08 0951	0959	0952	N23	E12	.435	9102	9.3	8	-N	2	0959	.33	.40					9
ATHN	08 1019	1025	1021	S19	E31	.586	9108	10.8	6	-N	2	1025	.33	.40					7	
CAPE	08 1057	1100	1059	S18	E28	.543	9108	10.6	3	-N	C	1059	.48	.60					T 4	
GRP11148	CAPE	08 1309	1324	1312	N15	W12	.327	9101	7.6	15	-F			.65						3 3 3 1
	CAPE	08 1308	1326	1311	N12	W12	.291	9101	7.6	18	-F	C	1311	.99	1.00					F
	CANR	08 1308	1316	1313	N11	W11	.267	9101	7.7	8	-F	C		.30	.30					E
	SANM	08 1312	1330	1313	N22	W13	.429	9101	7.6	18	-F	C	1313	.65	.67					
GRP11149	CANR	08 1541	1610	1552	S17	E26	.511	9108	10.6	29	-F			.92						3 3 3 1
	CANR	08 1526	1555	1532	S18	E27	.531	9108	10.7	29	-F	C		.20	.20					
	HUAN	08 1531	1603	1577	S17	E27	.524	9108	10.7	32	-N	1	1546	1.05	1.09					E
	CANR	08 1544	1558	1549	S19	E26	.527	9108	10.6	14	-N	C		.10	.10					
	SACP	08 1549	1630	1554	S17	E25	.499	9108	10.5	41	-F	C		1.51	1.56					
	SACP	08 1920	1946	1928	N18	E47	.761	9107	12.3	26	-F	C		.80	1.00					2
	HUAN	08 2000	2008		S18	E24	.495	9108	10.6	8	-F	1	2001	.50	.51					E 3
GRP11152	LOCK	08 2012	2100	2032	S18	E22	.472	9108	10.5	48	-F			.61						2 2 2 2
	LOCK	08 2012	2100	2032	S17	E20	.439	9108	10.3	48	-F	1	2032	.90	1.00					D
	HUAN	08 2020E	2027D		S18	E24	.495	9108	10.6	7D	-F	1	2022	.31	.32					
GRP11153	HALE	08 2023	2059	2025	N24	E08	.426	9102	9.4	36	-N			.71						5 5 4 0
	LOCK	08 2022	2039D	2024	N24	E08	.426	9102	9.4	17D	-N	1	2024	.52	.60					K
	SACP	08 2022	2055	2024	N24	E08	.426	9102	9.4	33	-N	C		.91	.91					
	CULG	08 2023	2102	2026	N24	E07	.422	9102	9.4	39	-N	C		.67	.72					
	HUAN	08 2023	2034D	2025	N23	E07	.406	9102	9.4	11D	-N	1	2025	.75	.75					E
	HUAN	08 2023	2027D		N24	E08	.426	9102	9.4	4D	-N	1	2025	.75	.75					
GRP11153	LOCK	08 2022	2055	2040	N23	E07	.406	9102	9.4	33	-N			.56						2 2 2 1
	LOCK	08 2022	2055	2040	N24	E08	.426	9102	9.4	33	-N	C	2040	.90	1.00					K
	HALE	08 2046E	2049D		N22	E06	.387	9102	9.3	3D	-N	1	2048	.21	.21					
	MITK	09 0535	0540	0537	S17	E13	.362	9108	10.2	5	-N	C	0537	1.44	1.50					2
GRP11155	CAPE	09 0851	0926	0912	S15	E16	.370	9108	10.6	35	-F			1.23						3 3 3 5
	CAPE	09 0851	0926	0911	S15	E16	.370	9108	10.6	35	1F		0911	2.07	2.20					
	CAPE	09 0851	0926	0916	S15	E16	.370	9108	10.6	35	1F		0916	1.94	2.10					
	CAPE	09 0851	0926	0858	S15	E16	.370	9108	10.6	35	1F	C	0858	2.17	2.30					K
	CATA	09 0905E	0925D	0915	S15	E17	.382	9108	10.7	20D	-N		0915	.62	.68					182
	CRON	09 0908U	0923U	0911U	S16	E14	.359	9108	10.4	15U	-F	C		1.00	1.10					
	CAPE	09 0915	1016	0923	N25	E00	.424	9102	9.4	61	-N			.29						3 3 3 4
GRP11156	CAPE	09 0915	1032	0924	N26	E01	.440	9102	9.5	77	-N	C	0924	.43	.50					
	CANR	09 0920E	1000	0923U	N25	E02	.426	9102	9.5	40D	-F	C		.10	.10					
	ATHN	09 0921E	0942D	0921	N24	W02	.410	9102	9.2	21D	-N	1	0921	.33	.40					
GRP11157	CAPE	09 0919	0927	0922	N11	W24	.443	9101	7.6	8	-N			.65						3 3 3 4
	CAPE	09 0919	0929	0924	N12	W23	.436	9101	7.7	10	-F	C	0924	.95	1.10					
	CRON	09 0920U	0928	0921U	N12	W23	.436	9101	7.7	8U	-N	C		.50	.60					
	ATHN	09 0921E	0925	0921	N08	W27	.471	9101	7.4	4D	-N	1	0921	.50	.60					
GRP11158	MONT	09 0935	1029	0955	S18	E15	.394	9108	10.5	54	1N			3.16						3 3 3 4
	WEND	09 0935	1045	0950	S17	E16	.392	9108	10.6	70	1N	C	0950	2.06						
	ATHN	09 0948E	1021D		S18	E14	.384	9108	10.5	33D	1N	V		4.13						
	ATHN	09 1000E	1020	1000	S20	E15	.418	9108	10.5	20D	1B	2	1000	3.30	3.60					
	CAPE	09 1014	1034	1016	S16	E44	.722	9110	12.7	20	-F	C	1016	.43	.60					5
	CAPE	09 1111	1133	1120	S24	E38	.693	9110	12.3	22	1N	C	1120	1.73	2.30					5
	CRON	09 1115	1144	1118U	N25	E03	.427	9102	9.7	29	-N	C		.20	.20					6
	CAPE	09 1228	1231	1229	S19	E39	.678	9110	12.4	3	-F	C	1229	.69	.90					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.		CENTRAL DISTANCE	MCMATH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1967 DEC																	
GRP11163 CATA HUAN	09 09 09	1352 1350E 1354	1405 1405D 1404	1355 1355	S16 S15 S17	E41 E40 E41	.688 .672 .692	9110 9110 9110	12.7 12.6 12.7	13 15D 10	-F -N -F	1 C	1355 1357	.31 .40 .21	.56 .24	182	2 2 2 4 D	
	09	1520	1525	NO FLARE PATROL														
	09	1540	1545	NO FLARE PATROL														
	09	1555	1605	NO FLARE PATROL														
GRP11164 LOCK BOUL	09 09 09	1856 1850 1902	1925 1930 1919	1905 1905 1905	S20 S17 S22	E35 E34 E36	.638 .609 .661	9110 9110 9110	12.4 12.3 12.5	29 40 17	-F -F -F	C C	1905	.60 1.00 .20	1.30 .30		2 2 2 0	
GRP11165 LOCK LOCK BOUL	09 09 09 09	2022 2020 2020 2023	2047 2103 2103 2030	2028 2030 2045 2026	S16 S16 S16 S15	E04 E04 E04 E03	.282 .282 .282 .262	9108 9108 9108 9108	10.1 10.1 10.1 10.1	25 43 43 7	-F -F -F -F	C C C C	2045	.20 .60 .20	.70 .20		2 2 1 1 K K H	
GRP11166 LOCK BOUL	09 09 09	2143 2135 2150	2219 2230 2207	2153 2155 2151	S18 S17 S18	E34 E34 E33	.614 .609 .602	9110 9110 9110	12.5 12.4 12.4	36 55 17	-F -N -F	C C	2155	.75 1.00 .50	1.30 .60		2 2 2 0	
LOCK	09	2156	2228	2157	S16	E03	.278	9108	10.1	32	-F	C					K	1
LOCK	09	2156	2228	2215	S16	E03	.278	9108	10.1	32	-F	C	2215	.70	.80		K	1
LOCK	09	2257	2335	2310	S14	E01	.241	9108	10.0	38	-F	C	2310	.90	.90			1
CRON	10	0325E	0335	0325U	S16	W02	.274	9108	10.0	10D	-N	C		.50	.50			3
GRP11170 CRON MANI	10 10 10	0326 0326 0329E	0352 0340U 0352	0330 0330U	S21 S17 S25	E27 E28 E25	.553 .534 .568	9110 9110 9110	12.2 12.2 12.0	26 14U 23D	-F -N -F	C	0331	1.02 .90 1.13	1.10 1.39		2 2 2 2	
GRP11171 CRON CRON CRON	10 10 10 10	0522 0522U 0522U 0522U	0550 0550U 0550U 0540	0525 0525 0529	N14 N14 N14	E90 E90 E90	1.000 1.000 1.000	9115 9115 9115	17.0 17.0 17.0	28 28U 28U	1N 1N 1N	C C C		.70 .70	2.80		1 1 1 3 K	
GRP11172 ATHN MANI	10 10 10	0713 0713 0716E	0726 0726 0723D	0717 0715	S17 S20 S14	W03 W02 W03	.293 .340 .243	9108 9108 9108	10.1 10.2 10.1	13 13 7D	-N -N -N	2 1	0715 0718	.32 .33 .31	.40 .34		2 2 2 4	
GRP11173 ATHN CRON CRON MANI CATA	10 10 10 10 10 10	0759 0759 0809U 0809U 0810E 0815E	0846 0834 0850U 0850U 0841 0900	0811 0804 0811 0815 0815 0815	S16 S15 S17 S17 S17 S15	E29 E30 E28 E28 E30 E28	.540 .546 .534 .534 .559 .520	9110 9110 9110 9110 9110 9110	12.5 12.6 12.4 12.4 12.6 12.4	47 35 41U 41U 31D 45D	-N -N 1N 1N -N 1B	2 C C	0801 0815 0815	1.77 1.65 1.70 1.24 2.49	2.00 2.00	209	4 4 4 3 EK	
GRP11173 CAPS BUCA	10 10 10	0808 0808E 0825E	0848 0848 0834D	(0828)	S16 S16 S15	E26 E25 E27	.502 .489 .507	9110 9110 9110	12.3 12.2 12.4	40 40D 90	1N 1B 2F	2	0828 0827	3.59 2.30 4.87	2.50 5.60	210	2 2 2 5	
WEND	10	0825E	0852		S17	E01	.289	9108	10.4	27D	1N	V		4.13				6
GRP11175 CAPE CAPE CATA CAPE	10 10 10 10 10	1009 1003 1015 1020E 1032	1052 1055 1041 1100 1141	1020 1014 1025	N15 N16 N17 N12 N17	W40 W41 W40 W42 W34	.674 .689 .682 .688 .611	9101 9101 9101 9101 9101	7.4 7.3 7.4 7.3 7.9	43 52 26 40D 69	-N -N -F -N 1F	3	1014 1022 1025 1053	.57 .43 .90 .39 2.46	.60 1.30 .55 3.10	155 166	E CF	
GRP11176 CAPE NERA ATHN CATA ZURI CAPS ONDR HUAN WEND	10 10 10 10 10 10 10 10 10 10	1059 1055 1058 1059 1100 1101 1102E 1104E 1105E 1108E	1114 1124 1107 1116 1110D 1112 1112 1110D 1114D 1121	1103 1104 1102	S16 S15 S16 S18 S15 S16 S16 S17 S16 S17	W04 W05 W05 W04 W03 W05 W05 W06 W05 E05	.280 .268 .284 .312 .260 .284 .284 .305 .284 .300	9108 9108 9108 9108 9108 9108 9108 9108 9108 9108	10.2 10.1 10.1 10.2 10.2 10.1 10.1 10.0 10.1 10.8	15 29 9 17 10D 11 10D 6D 9D 13D	1N 1N 2B -N 1B 1N -B 1F -B 1N	2 C 2 3 1 V	1104 1103 1102 1104 1107 1105	1.90 2.25 1.32 2.05 2.10 1.60 .88 3.09	2.30 2.14 2.20 1.70	245 204	9 9 7 0 V E C E	
GRP11177 CAPE HUAN	10 10 10	1117 1117 1123E	1132 1137 1127	1122 1122	S19 S18 S19	E27 E27 E27	.537 .529 .537	9110 9110 9110	12.5 12.5 12.5	15 20 4D	-F -N -F	1 C P	1122 1124	.69 1.12 .25	1.30 .26		2 2 2 3 F CD	

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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 DEC																		
GRP11178	10	1138	1202	1140	S17	E02	.290	9108	10.6	24	-F						2 2 2 3	
HUAN	10	1138E	1202		S16	E01	.272	9108	10.6	24D	-N	1	C	1141	.55	.55	E	
ATHN	10	1138	1155D	1140	S18	E02	.307	9108	10.6	17D	-F	2		1140	.66	.70		
HUAN	10	1205	1222		N23	W15	.461	9102	9.4	17	-F	1	C	1210	.25	.25	D	6
GRP11180	10	1229	1245	1236	S17	E28	.534	9110	12.6	16	-F				1.44		2 2 2 3	
CAPE	10	1223	1245	1234	S16	E27	.514	9110	12.5	22	1F			1234	2.63	3.10	D	
HUAN	10	1234	1245	1237	S17	E28	.534	9110	12.6	11	-F	2	C	1237	.25	.26		
CATA	10	1235	1250	1235	N05	E80	.985	9115	16.5	15	-N			1235	.09		182	5
CAPE	10	1240	1245	1240	N05	W85	.996	9098	4.2	5	-F		C	1240	.18			4
GRP11183	10	1245	1300	1249	S15	W06	.274	9108	10.1	15	-N				1.16		5 5 5 0	
CAPS	10	1244	1253D		S16	W05	.284	9108	10.2	9D	-N	2		1250	1.70	1.80	E	160
SANM	10	1245	1259	1248	S15	W07	.281	9108	10.0	14	-F		C	1248	.97	.99		
HUAN	10	1245	1307	1248	S16	W07	.296	9108	10.0	22	-N	2	C	1248	1.00	1.00		
CAPE	10	1245	1311	1249	S15	W06	.274	9108	10.1	26	-N		C	1249	1.56	1.60	V	
CATA	10	1245	1250	1245	S15	W07	.281	9108	10.0	5	-N			1245	.44	.47	170	
CATA	10	1250	1330	1250	S16	W07	.296	9108	10.0	40	-N			1250	.59	.61	191	
GRP11184	10	1308	1319	1309	N23	W16	.469	9102	9.3	11	-F				.42		2 2 2 3	
SANM	10	1308	1320	1309	N22	W16	.457	9102	9.3	12	-F		C	1309	.48	.54		
HUAN	10	1308	1317	1309	N23	W16	.469	9102	9.3	9	-F	2	C	1309	.35	.36	E	
CAPE	10	1341	1400	1350	S16	E26	.502	9110	12.5	19	1F		C	1350	3.71	4.30		3
GRP11186	10	1459	1539	1506	S16	E26	.502	9110	12.6	40	-N				1.23		2 2 2 1	
SACP	10	1455	1545	1506	S16	E25	.489	9110	12.5	50	-N		C		1.51	1.56		
HUAN	10	1502	1532		S16	E26	.502	9110	12.6	30	-N	1	C	1506	.95	.98	E	
SACP	10	1548	1614	1608	S25	E07	.433	9108	11.2	26	-F		C		.80	.81		0
SACP	10	1554	1621	1601	S16	W08	.303	9108	10.1	27	-F		C		1.00	.99		0
GRP11189	10	1750	1837	1804	S17	W10	.333	9108	10.0	47	-N				.25		2 2 1 1	
LOCK	10	1747	1900	1804	S16	W10	.319	9108	10.0	73	-N		C					
HUAN	10	1753	1814		S17	W09	.325	9108	10.1	21	-N	1	C	1757	.25	.25	DH	
GRP11190	10	1825	1854	1828	S16	W09	.311	9108	10.1	29	-N				1.09		3 3 3 0	
SACP	10	1747	1847	1827	S16	W09	.311	9108	10.1	60	-N		C		1.40	1.39		
LOCK	10	1747	1900	1828	S16	W10	.319	9108	10.0	73	-N		C	1828	1.50	1.70		
HUAN	10	1825	1840D		S15	W09	.296	9108	10.1	15D	-N	1	C	1827	.37	.37	E	
LOCK	10	2120	2200	2135	N13	W36	.617	9101	8.2	40	-F		C	2135	.50	.70		1
GRP11192	10	2157	2229	2203	S21	E06	.368	9108	11.4	32	-N				1.61		2 2 2 1	
LOCK	10	2155	2225	2202	S15	E06	.274	9108	11.4	30	-N		C	2202	1.20	1.30		
SACP	10	2158	2233	2203	S26	E06	.445	9108	11.4	35	-N		C		2.01	2.04		
GRP11193	10	2300	2319	2306	S20	E06	.352	9108	11.4	19	-N				1.05		2 2 2 1	
LOCK	10	2252	2320	2301	S15	E08	.288	9108	11.6	28	-N		C	2301	1.70	1.90		
SACP	10	2308	2318	2310	S25	E03	.422	9108	11.2	10	-N		C		.40	.41		
MANI	11	0533E	0535D		S16	W25	.488	9103	9.4	2D	-N	1		0534	.72	.83		2
CAPE	11	0629	0643	0635	N17	E78	.980	9115	17.1	14	-F		C	0635	.65			1
CAPE	11	0715	0748	0733	N24	W25	.565	9102	9.4	33	-N		C	0733	1.12	1.30		0
GRP11197	11	0841	0900	0846	S14	E10	.290	9110	12.1	19	-F				.48		3 3 3 1	
CAPE	11	0823	0913	0826	S15	E10	.303	9110	12.1	50	-F		C	0826	.95	1.00	KTH	
CRON	11	0840U	0855U	0845U	S14	E10	.290	9110	12.1	15U	-N		C		.10	.10		
CANR	11	0842	0852	0847	S14	E10	.290	9110	12.1	10	-F		C		.40	.40		
CRON	11	0958U	1005U	1000U	N16	W41	.690	9101	8.3	7U	-N		C		.30	.40		3
CAPE	11	1011	1020	1014	N24	W26	.575	9102	9.5	9	-N		C	1014	.56	.70	HT	4
GRP11200	11	1043	1105	1050	S14	E10	.290	9110	12.2	22	-F				.89		2 2 2 2	
CAPE	11	1040	1105	1050	S13	E09	.267	9110	12.1	25	-N		C	1050	1.38	1.40	LTV	
CANR	11	1045	1105	1049	S14	E10	.290	9110	12.2	20	-F		C		.40	.40		
GRP11201	11	1112	1124	1115	S14	E09	.280	9110	12.1	12	-F				1.33		2 2 2 3	
CANR	11	1112	1127	1115	S14	E10	.290	9110	12.2	15	-F				.40	.40		
CAPE	11	1112	1121	1114	S13	E08	.257	9110	12.1	9	1F		C	1114	2.25	2.30	TH	

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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 DEC																		
SACP	11	2253	2308	2300	N14	W49	.773	9101	8.3	15	-F	C		1.01	1.27			2	
LOCK	11	2333	2341	2336	N14	W49	.773	9101	8.3	8	-F	C	2336	.50	.80			1	
GRP11222	11	2347	0111	2358	S21	W18	.456	9108	10.6	84	2B			4.34				3 3 3 0	
LOCK	11	2345	0003D	2358	S22	W17	.458	9108	10.7	18D	2B	C	2358	6.00	6.60				
MITK	11	2349	0110	0000	S22	W15	.440	9108	10.9	81	2N	C	0000	4.95	5.50		F		
MANI	11	2352E	0112	2357	S20	W17	.434	9108	10.7	80D	1B	1	C	2357	2.06	2.30		H	
MITK	12	0005	0020	0008	S18	W25	.502	9108	10.1	15	1N	C	0008	1.86	2.20				
GRP11223	12	0127	0226	0139	N24	W34	.657	9102	9.5	59	-B			2.53				3 2 2 0	
MITK	12	0124	0235	0141	N23	W38	.692	9102	9.2	71	1B	C	0141	3.51	4.70		F		
MANI	12	0129	0216	0137	N24	W32	.637	9102	9.7	47	-B	1	C	0137	1.55	1.96			
CRON	12	0157E	0218U	0200U	N25	W32	.644	9102	9.7	21U	-N	C		.90	1.20				
CAPE	12	0717	0750	0727	S14	W02	.236	9110	12.2	33	-F	C	0727	1.60	1.60			1	
CAPE	12	0729	0820	0748	N18	E00	.317	9107	12.3	51	-F	C	0748	1.25	1.30		F	1	
CAPE	12	0731	0744	0737	S23	W06	.395	9110	11.9	13	-F	C	0737	1.47	1.60		H	1	
CAPE	12	0741	0751	0743	N15	W53	.815	9101	8.3	10	-N	C	0743	.99	1.70		V	1	
GRP11228	12	0833	0843	0835	S23	W06	.395	9110	11.9	10	-N			.62				3 3 3 2	
CAPE	12	0831	0850	0836	S22	W06	.379	9110	11.9	19	-N	C	0836	.73	.80		H		
HTPR	12	0831	0839	0832	S23	W07	.399	9110	11.8	8	-N	C	0832	.41	.43		DH		
MANI	12	0836	0841D	0838	S23	W04	.388	9110	12.1	5D	-F	1	C	0838	.72	.78			
GRP11229	12	0907	0928	0914	S14	W06	.255	9110	11.9	21	-N			.41				3 3 3 1	
CAPE	12	0905	0932	0917	S14	W06	.255	9110	11.9	27	-N	C	0917	.43	.40		H		
HTPR	12	0908	0924	0910	S14	W07	.262	9110	11.9	16	-F	C	0910	.31	.33		S		
CRON	12	0910U	0928U	0915U	S14	W06	.255	9110	11.9	18U	-N	C		.50	.50				
GRP11230	12	0918	0939	0930	S14	W04	.243	9110	12.1	21	-F			.88				2 2 2 1	
CAPE	12	0918	0938	0931	S13	W04	.227	9110	12.1	20	-F	C	0931	1.25	1.30				
CRON	12	0925U	0939U	0929U	S14	W03	.239	9110	12.2	14U	-F	C		.50	.50				
GRP11231	12	1012	1025	1016	S20	W07	.353	9110	11.9	13	-F			.27				2 2 2 3	
HTPR	12	1009	1021	1014	S14	W07	.262	9110	11.9	12	-F	C	1014	.31	.33		DH		
CAPE	12	1014	1028	1017	S25	W07	.429	9110	11.9	14	-F	C	1017	.22	.20		H		
CAPE	12	1030	1037	1032	S16	W33	.588	9108	10.0	7	-F	C	1032	1.34	1.60		CH	2	
HUAN	12	1118	1129	1121	S26	W16	.497	9108	11.3	11	-F	2	C	1121	.35	.36		E	2
CAPE	12	1123	1146	1131	N14	W67	.926	9101	7.4	23	-F	C	1131	.99	2.50		F	1	
GRP11235	12	1149	1158	1149	S24	W08	.419	9110	11.9	9	-F			.82				2 2 2 1	
HUAN	12	1148	1154	1149	S24	W08	.419	9110	11.9	6	-N	2	C	1149	.55	.55		ET	
CAPE	12	1149	1157	1149	S23	W08	.404	9110	11.9	8	-F	C	1149	1.08	1.20		H		
CAPE	12	1155	1201	1157	S24	W08	.419	9110	11.9	6	-F	C	1157	.35	.40				
HUAN	12	1158	1251		S25	W20	.518	9108	11.0	53	-N	2	C	1210	.31	.32		K	2
CAPE	12	1214	1220	1217	S24	W08	.419	9110	11.9	6	-F	C	1217	.35	.40			3	
GRP11238	12	1234	1240	1236	S25	W08	.434	9110	11.9	6	-F			.58				3 3 3 1	
CAPE	12	1233	1241	1236	S25	W09	.438	9110	11.8	8	-F	C	1236	1.08	1.20		H		
HUAN	12	1234	1240	1236	S25	W08	.434	9110	11.9	6	-F	2	C	1236	.35	.35		E	
SANM	12	1236	1239	1237	S25	W08	.434	9110	11.9	3	-F	C	1237	.32	.35		D		
CAPE	12	1247	1254	1250	N13	W68	.932	9101	7.4	7	-F	C	1250	.52				3	
GRP11240	12	1307	1315	1309	S23	W08	.404	9110	11.9	8	-N			.40				3 3 3 1	
CAPE	12	1306	1317	1309	S23	W09	.409	9110	11.9	11	-N	C	1309	.48	.50		H		
HUAN	12	1307	1313	1308	S23	W08	.404	9110	11.9	6	-N	2	C	1308	.41	.41		DH	
SANM	12	1307	1314	1310	S23	W08	.404	9110	11.9	7	-F	C	1310	.32	.34		D		
GRP11240	12	1254	1323	1306	S14	W08	.270	9110	11.9	29	-F			.30				2 2 2 2	
HUAN	12	1252	1322		S14	W08	.270	9110	11.9	30	-F	1	C	1258	.25	.25		D	
CAPE	12	1255	1324	1306	S14	W08	.270	9110	11.9	29	-F	C	1306	.35	.40		H		
CAPE	12	1310	1320	1314	N18	W11	.365	9107	11.7	10	-F	C	1314	.48	.50		T	3	
GRP11242	12	1327	1353	1336	N09	E04	.179	9111	12.9	26	-N			.84				4 4 4 2	
CAPE	12	1325	1350	1338	N10	E05	.201	9111	12.9	25	-N	C	1338	1.64	1.70		L		
HUAN	12	1326	1359	1332	N09	E04	.179	9111	12.9	33	-B	2	C	1332	.75	.75		LE	
SANM	12	1327	1358	1340	N10	E03	.189	9111	12.8	31	-N	C	1340	.65	.66		E		
HTPR	12	1328	1345	1334	N08	E04	.163	9111	12.9	17	-N	C	1334	.31	.33		DH		

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OBSERVATORY	OBSERVED UT			MAX. PHASE	LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS					
	DATE 1967 DEC	START	END		APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %						
CAPE	12	1339	1345	1342	S16	W35	.613	9108	9.9	6	-F	C	1342	.52	.70			CH	4			
GRP11244	12	1353	1402	1354	N18	W12	.374	9107	11.7	9	-F			.35				2	2	2	3	
HUAN	12	1352	1401	1354	N17	W11	.352	9107	11.8	9	-F	2	C	1354	.21	.21			D			
CAPE	12	1353	1403	1354	N18	W12	.374	9107	11.7	10	-F		C	1354	.48	.50			T			
GRP11245	12	1422	1524	1445	S16	W27	.512	9108	10.6	62	-F			1.80					2	1	1	4
SACP	12	1422	1524	1445	S16	W28	.525	9108	10.5	62	-F			1.80		1.89			D			
HUAN	12	1429	1434	1430	S16	W26	.499	9108	10.7	5	-F	2	C	1430	.25	.25						
GRP11246	12	1451	1459	1454	S24	W09	.424	9110	11.9	8	-F			.51					3	3	3	3
HUAN	12	1451	1458	1453	S23	W09	.409	9110	11.9	7	-F	2	C	1453	.37	.37			EH			
HOUS	12	1451	1458	1453	S25	W09	.438	9110	11.9	7	-F		C		.20	.20		100				
CAPE	12	1452	1500	1455	S23	W10	.415	9110	11.9	8	-F		C	1455	.95	1.00			H			
GRP11247	12	1635	1657	1641	S25	W17	.492	9108	11.4	22	-N			1.28					3	3	3	0
SACP	12	1633	1704	1641	S24	W16	.472	9108	11.5	31	-F		C		2.00	2.05						
HUAN	12	1635	1655	1641	S25	W16	.484	9108	11.5	20	-B	2	C	1641	1.13	1.13		100				
HOUS	12	1638	1653	1640	S25	W18	.501	9108	11.3	15	-F		C		.70	.80						
GRP11248	12	1644	1652	1647	N14	W58	.859	9101	8.3	8	-F			.48					3	3	3	0
SACP	12	1642	1657	1647	N13	W57	.849	9101	8.4	15	-F		C		.70	1.00						
HOUS	12	1644	1650	1646	N14	W59	.867	9101	8.3	6	-F		C		.30	.60		100				
HUAN	12	1646	1650	1647	N14	W59	.867	9101	8.3	4	-N	2	C	1647	.45	.66			EH			
GRP11249	12	1654	1722	1702	S14	W07	.262	9110	12.2	28	-B			.97					3	3	3	0
SACP	12	1650	1728	1702	S14	W07	.262	9110	12.2	38	-B		C		1.50	1.47						
HUAN	12	1655	1716	1702	S14	W07	.262	9110	12.2	21	-B	2	C	1702	.90	.90		200	EH			
HOUS	12	1658	1721	1701	S15	W08	.284	9110	12.1	23	-N		C		.50	.50			E			
HUAN	12	1710	1742	1716	S25	W23	.546	9108	11.0	32	-F	2	C	1716	.31	.32			D	2		
SACP	12	1715	1730	1718	N07	E51	.782	9115	16.5	15	-N		C		1.40	1.80						
GRP11252	12	1757	1825	1806	S14	W10	.288	9110	12.0	28	-N			.48					3	3	3	0
SACP	12	1753	1831	1809	S14	W10	.288	9110	12.0	38	-N		C		.80	.79						
HUAN	12	1759	1823	1805	S14	W10	.288	9110	12.0	24	-N	2	C	1805	.35	.35			D			
HOUS	12	1800	1820	1805U	S15	W09	.293	9110	12.1	20	-F		C		.30	.30		100				
GRP11253	12	1857	1911	1903	N14	W59	.867	9101	8.4	14	-F			.45					2	2	2	0
SACP	12	1856	1913	1903	N13	W59	.866	9101	8.4	17	-N		C		.60	.90						
HOUS	12	1858	1908	1902U	N14	W59	.867	9101	8.4	10	-F		C		.30	.60		100				
GRP11254	12	1904	1933	1916	S26	W22	.547	9108	11.1	29	-F			1.10					2	2	2	1
SACP	12	1857	1944	1916	S25	W22	.536	9108	11.1	47	-N		C		1.40	1.47						
HOUS	12	1911	1922	1915	S26	W22	.547	9108	11.1	11	-F		C		.80	.90		100				
HOUS	12	1928	1934	1930	N12	W56	.838	9101	8.6	6	-F		C		.20	.40		100				
SACP	12	2242	2310	2259	N12	W57	.847	9101	8.7	28	-F		C		.30	.43						
GRP11257	12	2245	2311	2252	S26	W25	.575	9108	11.1	26	-F			1.30					2	2	2	1
SACP	12	2240	2311	2250	S25	W24	.555	9108	11.1	31	-N		C		1.70	1.81						
LOCK	12	2250	2310	2254	S26	W25	.575	9108	11.1	20	-F		C	2254	.90	1.10						
GRP11258	12	2347	0001	2352	S19	E01	.318	9110	13.1	14	-F			.76					2	2	2	0
LOCK	12	2345	0001	2352	S19	W03	.321	9110	12.8	16	-N		C	2352	.90	1.00						
MANI	12	2349	0000	2352	S19	E04	.324	9110	13.3	11	-F	2		2352	.62	.65						
CRON	13	0051	0101	0053	S14	W14	.330	9110	12.0	10	-N		C		.20	.20						
GRP11260	13	0052	0108	0057	N13	W64	.905	9101	8.2	16	1N			1.02					3	3	3	0
MITK	13	0051	0105	0055	N11	W64	.904	9101	8.2	14	1N		C	0055	1.03	2.40						
MANI	13	0051	0108D	0057	N13	W64	.905	9101	8.2	17D	1N	1		0057	1.13	2.23						
CRON	13	0054	0110	0058	N14	W63	.899	9101	8.3	16	-N		C		.90	1.90						
CRON	13	0058	0109	0059	N15	W20	.426	9107	11.5	11	-N		C		.30	.30			K	2		
CRON	13	0058	0109	0106	N15	W20	.426	9107	11.5	11	-N		C									
CRON	13	0102	0118	0105	N18	E59	.874	9115	17.5	16	-N		C		.10	.20						
CRON	13	0123	0141	0128	N14	W77	.976	9101	7.3	18	-N		C		.60	1.80						
MITK	13	0332	0341D	0338	N12	W65	.912	9101	8.3	9D	2F		C	0338	2.06							
CRON	13	0340	0345	NO FLARE PATROL																		
CRON	13	0342E	0400	0342U	N16	W90	1.000	9109	6.4	18D	1N		C		1.00	2.10			H	1		

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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 DEC																		
GRP11266	13	0408	0424	0412	N18	E60	.882	9115	17.7	16	-F							
CRON	13	0406	0427	0411	N18	E59	.874	9115	17.6	21	-N			.51			2 2 2 1	
MANI	13	0409	0421	0412	N18	E60	.882	9115	17.7	12	-F	2	C	0412	.52	1.00	.97	
GRP11267	13	0504	0510	0506	S27	W25	.583	9108	11.3	6	-N						2 2 2 1	
MITK	13	0503	0510	0506	S28	W25	.593	9108	11.3	7	-N			.41			D	
CRON	13	0504	0509D	0506U	S26	W25	.573	9108	11.3	50	-N			.62	.80			
CRON	13	0516	0537	0523	N15	W70	.945	9101	8.0	21	1N			.20	.20			
GRP11269	13	0636	0655	0638	N15	W69	.939	9101	8.1	19	-N			1.00	2.40		H 1	
CAPE	13	0635	0705	0637	N14	W67	.926	9101	8.2	30	-N			.80			2 2 2 2	
CAPE	13	0635	0705	0653	N14	W67	.926	9101	8.2	30	-N			.60	1.60		KT	
CRON	13	0636	0644	0639	N15	W70	.945	9101	8.0	8	1N			1.08	2.90			
CAPE	13	0642	0654	0645	N20	E59	.877	9115	17.7	12	-F			1.00	2.40		3	
CAPE	13	0716	0734	0721	N27	E52	.839	9115	17.2	18	1F			.35	.70		C 0	
CAPE	13	0719	0723	0720	N19	E46	.757	9115	16.8	4	-F			1.00	2.40		0	
GRP11273	13	0820	0840	(0830)	N14	W71	.950	9101	8.0	20	-F			.35	.50			
MONT	13	0820	0840		N13	W72	.954	9101	7.9	20	1N			.56			2 2 2 2	
ARCE	13	0830E	0835D		N14	W70	.944	9101	8.1	50	-F			.83				
GRP11274	13	0852	0910	0856	N12	W69	.937	9101	8.2	18	1N			.28	.70			
KHAR	13	0850E	0900E		N09	W72	.953	9101	8.0	100	2F			1.48			8 8 8 0	
HTPR	13	0850	0902	0852	N13	W68	.932	9101	8.3	12	-N			2.27		2.40		
MONT	13	0852	0910	0856	N13	W72	.954	9101	8.0	18	C			.83			H	
KODA	13	0853E	0856D		N13	W65	.912	9101	8.5	30	1F			1.55				
CAPE	13	0854	0921	0856	N14	W70	.944	9101	8.1	27	1B			1.29	3.00	1.52	D	
ATHN	13	0854E	0914	0857	N08	W70	.941	9101	8.1	200	1B			3.25			JT	
CRON	13	0855E	0905	0857U	N14	W68	.933	9101	8.3	100	-N			1.32			H	
ARCE	13	0858E	0905		N14	W70	.944	9101	8.1	70	-N			.80	1.80			
GRP11275	13	0944	1005	0948	N08	W08	.204	9111	12.8	21	-B			.56	1.30			
CAPE	13	0941	1012	0947	N09	W08	.216	9111	12.8	31	1B			1.64			9 9 9 0	
HTPR	13	0941	1004	0943	N08	W07	.192	9111	12.9	23	-N			2.17	2.20		HLV	
CAPF	13	0942E	0950D		N08	W07	.192	9111	12.9	80	-N			1.03	1.04		E	
CAPS	13	0942E	1000		N09	W07	.206	9111	12.9	180	1N	2		1.76	1.70			
KHAR	13	0944	1003		N07	W07	.180	9111	12.9	19	1N			2.20	2.20	189	E	
MONT	13	0945	1005	0947	N09	W09	.228	9111	12.7	20	-B			2.78	2.80	2.40	EHL	
ARCE	13	0945	1005	0947	N09	W08	.216	9111	12.8	20	-B			.72				
CATA	13	0945	1005	0947	N09	W07	.206	9111	12.9	20	-B			1.76	1.80			
ATHN	13	0947	1009	0950	N08	W08	.204	9111	12.8	22	-B	1		1.16	1.18	251		
ATHN	13	1005	1016	1007	S30	W36	.708	9108	10.7	11	-N	1		1.16	1.20		6	
GRP11277	13	1036	1055	1039	N10	E38	.633	9115	16.3	19	1F			.33	.40			
HTPR	13	1032	1050	1036	N09	E37	.617	9115	16.2	18	1F			2.21			4 4 4 4	
CATA	13	1035	1100	1035	N10	E35	.594	9115	16.1	25	1N			2.06	2.50			
CAPE	13	1038	1053	1042	N09	E35	.590	9115	16.1	15	1F			1.74	2.15	162		
MONT	13	1040	1055	1043	N08	E33	.559	9115	15.9	15	-F			3.81	4.70		CV	
CATA	13	1050	1118	1050	N15	E57	.852	9115	17.7	28	-N			1.24		170		
GRP11278	13	1056	1103	1058	N20	W23	.508	9107	11.7	7	-F			.40	.80			
HUAN	13	1056E	1103		N20	W22	.498	9107	11.8	70	-F	1		.68			2 2 2 4	
CAPE	13	1056	1103	1058	N19	W23	.499	9107	11.7	7	-F			.31	.32		E	
GRP11279	13	1107	1115	1108	S28	W29	.629	9108	11.3	8	-F			1.04	1.20			
HUAN	13	1107	1117		S27	W29	.620	9108	11.3	10	-F	1		.41			2 2 2 4	
CAPE	13	1107	1112	1108	S28	W29	.629	9108	11.3	5	-F			.21	.23		DHT	
GRP11280	13	1114	1137	1117	S19	W12	.372	9110	12.6	23	-N			.60	.80		I	
HTPR	13	1112	1125	1114	S20	W10	.370	9110	12.7	13	-N			1.27			6 6 6 1	
HUAN	13	1113	1142	1118	S20	W12	.385	9110	12.6	29	-B	2		1.13	1.20			
CAPS	13	1115	1134		S16	W13	.342	9110	12.5	19	-N	3		1.24	1.24		T	
CATA	13	1115	1155	1117	S20	W10	.370	9110	12.7	40	-B			1.18	1.30	190		
MONT	13	1115	1134	1120	S18	W13	.368	9110	12.5	19	-B			1.20	1.30	219		
CAPE	13	1115	1131	1117	S20	W13	.394	9110	12.5	16	1F			1.09	1.19			
HUAN	13	1136	1140	1137	N19	E58	.867	9115	17.8	4	-F	2		.52			D	
HUAN	13	1143	1154	1146	S28	W29	.629	9108	11.3	11	-F	2		2.42	2.60		5	
GRP11283	13	1213	1220	1214	S17	W13	.355	9110	12.5	7	-F			.21	.23		D	
HUAN	13	1212	1221	1214	S18	W13	.368	9110	12.5	9	-F	2		.82			3 3 3 4	
CAPE	13	1213	1220	1214	S17	W13	.355	9110	12.5	7	-F			.62	.62		E	
CATA	13	1215	1220D	1215	S17	W13	.355	9110	12.5	50	-N			1.30	1.40			
														.53	.57	195		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1967 DEC	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
HUAN	13	1226	1239		S21	W16	.433	9110	12.3	13	-F	2 C	1229	.21	.21		D	4
HUAN	13	1237	1244	1239	S20	W13	.394	9110	12.6	7	-F	2 C	1239	.62	.62		E	4
HUAN	13	1256	1327		S25	W34	.655	9108	11.0	31	-F	2 C	1313	.62	.69		E	4
HUAN	13	1308	1315	1311	S22	W16	.445	9110	12.3	7	-F	2 C	1311	.25	.25		D	4
GRP11288	13	1333	1349	1337	N19	W24	.510	9107	11.8	16	-N			1.27			5 5 5	1
HTPR	13	1331	1340	1332	N18	W23	.490	9107	11.8	9	-N		1332	1.34	1.50			
HUAN	13	1333	1348		N19	W25	.521	9107	11.7	15	-N	2 C	1336	.95	.98		E	
CAPS	13	1334	1348		N20	W23	.508	9107	11.8	14	-F	3	1338	1.40	1.70		158	
CAPE	13	1334	1354	1336	N19	W25	.521	9107	11.7	20	1N	C	1336	1.87	2.20			
SANM	13	1335	1355	1337	N18	W26	.525	9107	11.6	20	-N	C	1337	.80	1.43		E	
GRP11289	13	1339	1526	1349	S22	W36	.657	9108	10.9	107	2B			3.57			7 7 7	0
HTPR	13	1332	1442	1346	S22	W38	.678	9108	10.7	70	1B		1346	2.37	3.10		LU	
CAPE	13	1338	1545	1352	S21	W37	.662	9108	10.8	127	2N	C	1352	6.09	8.10		FL	
HUAN	13	1340	1422D		S23	W36	.663	9108	10.9	42D	2N	2 C	1359	3.61	4.06			
CAPS	13	1341	1505D		S20	W37	.657	9108	10.8	84D	2B	3	1358	4.00	5.20		265	
CAPP	13	1342E	1410D		S22	W35	.646	9108	10.9	28D	2N	P	1343	4.22	5.52		H	
SANM	13	1342	1507D		S22	W37	.668	9108	10.8	85D	1B	P	1352	1.60	2.11		W	
SANM	13	1342	1507D	1349	S22	W37	.668	9108	10.8	85D	-B	P	1349	1.13	1.50		E	
MCMA	13	1351E	1545D		S23	W35	.652	9108	11.0	114D	1B	C	1351	3.09	4.00		HF	
GRP11289	13	1341	1507	1446	S21	W37	.662	9108	10.8	86	1N			3.51			4 3 3	4
HUAN	13	1340	1422D		S23	W36	.663	9108	10.9	42D	2N	2 C	1409	4.38	4.93			
SANM	13	1342	1507D		S22	W37	.668	9108	10.8	85D	1N	P	1412	2.58	3.41		W	
LOCA	13	1405E	1432D		S21	W37	.662	9108	10.8	27D	1N	S	1405	3.57	4.70			
HOUS	13	1445E	1451D	1446U	S19	W39	.674	9108	10.7	6D	-F	C		1.10	1.50		100	
GRP11290	13	1407	1419	1408	N19	E45	.747	9115	17.0	12	-F			.94			2 2 2	4
CAPE	13	1406	1420	1408	N19	E44	.736	9115	16.9	14	-N	C	1408	1.30	1.90		V	
HUAN	13	1407	1417		N18	E45	.743	9115	17.0	10	-F	1 C	1409	.57	.69		H	
GRP11291	13	1407	1433	1414	S20	W13	.394	9110	12.6	26	-F			.86			2 2 2	4
HUAN	13	1404	1416	1405	S18	W13	.368	9110	12.6	12	-F	2 C	1405	.45	.45		E	
CAPE	13	1410	1433	1414	S20	W13	.394	9110	12.6	23	-F	C	1414	1.21	1.30		F	
HUAN	13	1410	1422D		S20	W13	.394	9110	12.6	12D	-N	2 C	1414	.50	.49		E	
CAPE	13	1432	1443	1436	N15	W71	.950	9101	8.3	11	-F	C	1436	.43			T	5
GRP11293	13	1437	1459	1442	N20	E54	.836	9115	17.7	22	-N			1.10			7 7 7	0
CAPP	13	1432E	1445D		N20	E50	.800	9115	17.4	13D	-N	S	1438	1.18	1.93			
HTPR	13	1436	1442	1438	N20	E57	.861	9115	17.9	6	1N	C	1438	1.55	2.70			
CAPE	13	1437	1512	1443	N20	E54	.836	9115	17.7	35	1N	C	1443	2.17	4.00		H	
MCMA	13	1439	1510	1442	N20	E55	.845	9115	17.7	31	-B	C	1442	.72	1.30		E	
SANM	13	1440	1507D	1443	N19	E55	.842	9115	17.7	27D	-N	P	1443	.97	1.77			
CAPS	13	1440	1503		N18	E54	.831	9115	17.7	23	-B	3	1444	.90	1.60		196	
HOUS	13	1445E	1451D	1446U	N20	E54	.836	9115	17.7	6D	-F	C		.20	.40		100	
CAPE	13	1520	1521	1520	S19	W16	.409	9110	12.4	1	-F	C	1520	.35	.40			2
GRP11295	13	1609	1618	1612	N11	W73	.959	9101	8.2	9	-B			.31			2 2 2	0
MCMA	13	1609	1618	1611	N08	W72	.953	9101	8.3	9	-B	C	1611	.41	1.60			
HOUS	13	1610E	1615D	1612U	N14	W73	.960	9101	8.2	5D	-N	C		.20	.60		200	
HUAN	13	1620E	1624		N14	W75	.969	9101	8.1	4D	-F	1 P	1620	.25			D	2
HUAN	13	1630	1647		S27	W32	.649	9108	11.3	17	-F	2 C	1641	.50	.56		E	2
HUAN	13	1654	1706		N18	E54	.831	9115	17.8	12	-F	1 C	1656	.31	.43		D	2
HUAN	13	1701	1711	1703	N14	W74	.964	9101	8.2	10	-F	1 C	1703	.21			D	1
GRP11300	13	1724	1733	1728	N11	W73	.959	9101	8.3	9	-B			.47			2 2 2	0
HUAN	13	1720	1734	1727	N14	W74	.964	9101	8.2	14	-B	2 C	1727	.57				
MCMA	13	1727	1732	1728	N08	W72	.953	9101	8.3	5	-B	C	1728	.36	1.50		E	
HUAN	13	1727	1750	1732	S25	W35	.665	9108	11.1	23	-F	2 C	1732	.25	.28		D	1
GRP11302	13	1729	1800	1737	N20	E53	.827	9115	17.7	31	-B			.77			2 2 2	0
MCMA	13	1728	1756D	1737	N20	E53	.827	9115	17.7	28D	-B	C	1737	.41	.70		E	
HUAN	13	1730	1800	1737	N19	E53	.825	9115	17.7	30	-B	1 C	1737	1.13	1.54			
HUAN	13	1732	1748	1735	S22	W17	.455	9110	12.5	16	-N	2 C	1735	.80	.82		E	1
HUAN	13	1738	1747	1740	S28	W32	.657	9108	11.3	9	-F	2 C	1740	.21	.23		D	1

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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 DEC																						
CAPE	15	0706	0727	0715	N18	E78	.981	9118	21.1	21	1F	C	0715	1.60				1				
CAPE	15	0709	0744	0713	S26	W54	.845	9108	11.2	35	2B	C	0713	4.54	8.30			V	1			
CAPE	15	0720	0728	0721	S15	W71	.948	9108	10.0	8	-N	C	0721	.48				T	1			
CAPE	15	0730	0738	0732	N24	E77	.980	9118	21.1	8	-N	C	0732	.43				TV	1			
GRP11347	15	0753	0820	0757	S18	W38	.657	9110	12.5	27	1N			1.75				3	3	3	1	
CAPE	15	0750	0832	0754	S18	W38	.657	9110	12.5	42	1N	C	0754	2.46	3.20			F				
HTPR	15	0755	0809	0759	S18	W38	.633	9110	12.6	14	-N	C	0759	1.24	1.60							
MONT	15	0805E	0820		S18	W40	.680	9110	12.3	150	1N	C	0805	1.55								
CAPE	15	0802	0813	0805	S15	W72	.953	9108	9.9	11	-N	C	0805	.73					JT	2		
MONT	15	0914	0925		N22	E25	.551	9115	17.3	11	-N	C	0916	.52							6	
GRP11350	15	0915	0954	0919	S21	W63	.903	9108	10.7	39	1N			1.51				2	2	2	6	
CAPE	15	0914	0930	0919	S20	W61	.888	9108	10.8	16	1N	C	0919	1.77	3.80							
MONT	15	0916	0950	0918	S22	W63	.904	9108	10.7	34	1N	C	0918	1.24								
CAPE	15	0941	0957		S20	W63	.902	9108	10.7	16	2F	C	0948	3.11	7.09							
CANR	15	0917	0920	0918	N22	E80	.988	9118	21.4	3	-F	C		.20	.70						7	
CANR	15	0940	0946D	0943U	N19	E31	.593	9115	17.7	6D	-F	C		.30	.40				I	7		
GRP11353	15	1044	1107	1045	N20	E29	.577	9115	17.6	23	-N			.96				3	3	3	3	
CANR	15	1030	1038	1032	N18	E29	.562	9115	17.6	8	-F	C		.10	.10				I			
CANR	15	1036	1044	1039	N24	E37	.691	9115	18.2	8	-F	C		.10	.10				I			
CANR	15	1041	1055	1043	N19	E27	.547	9115	17.5	14	-N	C		.30	.40				I			
CAPE	15	1044	1128	1045	N20	E28	.566	9115	17.5	44	1N	C	1045	1.77	2.20				FT			
HTPR	15	1046	1058	1048	N20	E30	.589	9115	17.7	12	-N	C	1048	.72	.80							
MONT	15	1102	1110	1105	N22	E75	.972	9118	21.1	8	-N	C	1105	1.03							5	
CAPE	15	1113	1129	1121	N21	E78	.982	9118	21.3	16	3F	C	1121	4.06							4	
HUAN	15	1147	1200D		S18	W72	.954	9108	10.1	13D	-N	1 P	1157	.37					T	5		
GRP11357	15	1152	1204	1155	S16	E11	.319	9117	16.3	12	-F			.68				5	5	5	1	
CANR	15	1149	1203	1153	S16	E19	.408	9117	16.9	14	-F	C		.20	.20							
CAPE	15	1152	1207	1156	S16	E09	.301	9117	16.2	15	-F	C	1156	.87	.90							
MONT	15	1152	1200	1155	S16	E08	.293	9117	16.1	8	-N	C	1155	.52								
HUAN	15	1154	1200D		S16	E09	.301	9117	16.2	6D	-F	1 C	1157	.50	.49							
CAPS	15	1156E	1210D		S16	E10	.310	9117	16.2	14D	-F	3 C	1200	1.30	1.40						155	
GRP11358	15	1220	1235	1224	S24	W56	.856	9108	11.3	15	-N			.77				4	4	4	2	
CAPE	15	1219	1231	1222	S26	W56	.861	9108	11.3	12	1N	C	1222	1.77	3.50							
CAPS	15	1220	1240D		S15	W55	.830	9108	11.4	20D	-N	3 C	1224	.40	.70						182	
MONT	15	1220	1235	1225	S27	W54	.848	9108	11.5	15	-N	C	1225	.52								
HUAN	15	1225E	1225D		S26	W57	.868	9108	11.2		-N	1 P	1225	.37	.56					ET		
HUAN	15	1247	1253D		S18	W73	.959	9108	10.1	6D	-F	1 P	1252	.37					E	7		
GRP11360	15	1306	1315	1308	N20	E24	.522	9115	17.3	9	-F			.38				3	3	3	5	
HUAN	15	1300	1317		N20	E21	.490	9115	17.1	17	-F	1 C	1307	.21	.21				D			
CANR	15	1304	1310	1307	N19	E25	.524	9115	17.4	6	-F	C		.30	.40				I			
CAPE	15	1307	1318	1309	N21	E25	.542	9115	17.4	11	-N	C	1309	.60	.70				TV			
HUAN	15	1308	1313	1309	N20	E25	.533	9115	17.4	5	-F	1 C	1309	.25	.26				D			
HUAN	15	1308	1317	1310	N22	E19	.492	9115	17.0	9	-F	2 C	1310	.21	.21				D			
GRP11361	15	1325	1338	1329	N18	E19	.447	9115	17.0	13	-F			.53				3	3	3	4	
CANR	15	1323	1330	1325	N17	E19	.437	9115	17.0	7	-F	C		.10	.10							
CAPE	15	1325	1343	1330	N17	E21	.459	9115	17.1	18	-F	C	1330	1.25	1.40				H			
HUAN	15	1328	1340	1332	N20	E17	.450	9115	16.8	12	-F	2 C	1332	.25	.25				D			
GRP11362	15	1350	1409	1359	S20	W67	.928	9108	10.6	19	1F			2.13				2	2	2	6	
HUAN	15	1345	1407		S17	W74	.963	9108	10.0	22	-F	2 C	1353	.35					E			
CAPE	15	1354	1407	1359	S20	W63	.902	9108	10.9	13	2F	C	1359	2.86	6.60							
CAPE	15	1404	1410	1404	S26	W56	.861	9108	11.4	6	1N	C	1404	1.04	2.10							
GRP11363	15	1351	1412	1358	N24	E78	.983	9118	21.4	21	1F			1.81				4	4	4	4	
CAPE	15	1355	1419	1401	N24	E78	.983	9118	21.4	44	2N	C	1401	3.76					F			
MONT	15	1349	1410	1353	N22	E75	.972	9118	21.2	21	1N	C	1353	2.06								
HUAN	15	1350	1412		N25	E80	.989	9118	21.6	22	1F	1 C	1400	1.13								
CANR	15	1353	1407	1359	N24	E80	.988	9118	21.6	14	-F	C		.30	1.00							
HUAN	15	1411	1419	1413	N18	E26	.527	9115	17.5	8	-F	1 C	1413	.37	.39				E	8		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
	1967 DEC																		
GRP11365	15	1429	1443	1431	N21	E24	.531	9115	17.4	14	-F			.53					3 3 3 5
CANR	15	1424	1442	1430	N24	E25	.570	9115	17.5	18	-F	C		.10	.10				
HUAN	15	1427	1443	1432	N20	E24	.522	9115	17.4	16	-F	2 C	1432	.25	.26				D
CANR	15	1429	1445	1434	N21	E28	.574	9115	17.7	16	-F	C		.10	.10				
CAPE	15	1430	1437D		N20	E23	.511	9115	17.3	7D	-N	C	1432	1.25	1.50				T
HUAN	15	1447	1451	1448	N20	E24	.522	9115	17.4	4	-N	2 C	1448	.31	.32				D 6
GRP11367	15	1515	1543	1530	S22	W65	.918	9108	10.8	28	-F			.83					2 2 2 0
HUAN	15	1507	1641	1532	S25	W58	.874	9108	11.3	94	1N	2 C	1532	.60	.92				K
HUAN	15	1512	1545	1527	S17	W73	.959	9108	10.2	33	-N	2 C	1527	.65					
CANR	15	1523	1541	1527U	S22	W65	.918	9108	10.8	18	-F	C		.40	.90				
CANR	15	1545	1556	1550	S09	W07	.186	9117	15.1	11	-F	C		.30	.30				1
HUAN	15	1550	1611	1554	N07	E17	.321	9115	16.9	21	-F	2 C	1554	.41	.41				1
GRP11370	15	1615	1641	(1618)	S25	W64	.915	9108	10.9	26	-N			1.19					2 2 2 0
HUAN	15	1507	1641		S27	W59	.885	9108	11.2	94	1N	2 C	1619	1.29	2.03				
HUAN	15	1507	1641	1613	S27	W59	.885	9108	11.2	94	1N	2 C	1613	.86	1.35				
MCMA	15	1612E	1618D		S28	W60	.894	9108	11.2	6D	-N	C	1617	.83	1.70				E
HUAN	15	1617	1625	1619	S16	W77	.975	9108	9.9	8	-F	2 C	1619	.25					D
HUAN	15	1625	1629	1627	N19	E22	.490	9115	17.3	4	-F	2 C	1627	.21	.21				D 0
HUAN	15	1652	1715	1656	N18	E23	.492	9115	17.4	23	-N	2 C	1656	1.21	1.25				E 1
GRP11373	15	1653	1725	1703	S18	W78	.979	9108	9.9	32	-N			.90					2 2 1 0
HUAN	15	1653	1724	1703	S18	W75	.968	9108	10.1	31	-B	2 C	1703	.90					
MCMA	15	1710E	1725		S18	W80	.985	9108	9.7	15D	-F	P	1710						EL
HUAN	15	1733	1955		S26	W60	.890	9108	11.2	142	-F	1 C	1805	1.00	1.58				EK 2
HUAN	15	1802	1810		S16	W79	.982	9108	9.8	8	-F	1 C	1804	.31					D 2
HUAN	15	1845	1901		N20	E26	.544	9115	17.7	16	-F	1 C	1849	.50	.52				E 1
HUAN	15	1907	1913		N20	E26	.544	9115	17.7	6	-F	1 C	1909	.25	.26				D 1
HUAN	15	1938	2014		S17	W78	.979	9108	10.0	36	-N	1 C	1943	.62					EK 1
HUAN	15	2029	2037D		S17	W77	.976	9108	10.1	8D	-F	1 C	2031	.31					D 0
HUAN	15	2110	2123		S17	W78	.979	9108	10.0	13	-N	1 C	2114	.31					D 2
	15	2145	2230	NO FLARE PATROL															
CRON	16	0123	0140	0126	S15	W80	.985	9108	10.1	17	1F	C		1.50	5.10				I 2
CRON	16	0124	0210	0131	N18	E67	.931	9118	21.1	46	3B	C		6.60	14.70				E 2
GRP11383	16	0247	0446	0256	N23	E66	.930	9118	21.1	119	2N			5.47					4 3 3 1
MITK	16	0247	0430	0255	N26	E66	.934	9118	21.1	103	3F	C	0255	7.94					F
KODA	16	0254E	0331D	0256	N21	E66	.928	9118	21.1	37D	3B	P	0254	5.80	16.20	2.64			HI
SIBE	16	0300E	0338D		N20	E68	.938	9118	21.2	38D	1F	P	0338	2.66					CE
MANI	16	0357E	0501D		N23	E64	.918	9118	21.0	64D	2B	1	0357	2.58	5.25				
CRON	16	0312	0330	0315	N20	E07	.376	9115	16.7	18	-N	C		.80	.90				3
CRON	16	0423	0434	0427	S15	W80	.985	9108	10.2	11	1F	C		1.50	5.10				I 3
MANI	16	0440E	0451	0442	N20	E07	.376	9115	16.7	11D	-F	1	0442	.41	.44				3
CRON	16	0536	0600	0541	N17	E08	.336	9115	16.8	24	-N	C		.20	.20				2
	16	0620	0625	NO FLARE PATROL															
CAPE	16	0644E	0701	0654	N20	E13	.416	9115	17.3	17D	1N	C	0654	3.02	3.30				T 1
CAPE	16	0655	0703	0657	S16	W90	1.000	9103	9.5	8	-N	C	0657	.43					T 1
GRP11390	16	0706	0723	0709	N20	E12	.408	9115	17.2	17	-N			1.30					2 2 2 0
CAPE	16	0703	0722	0708	N20	E15	.433	9115	17.4	19	1N	C	0708	2.29	2.50				FT
MANI	16	0709	0723	0710	N20	E09	.387	9115	17.0	14	-N	2	0710	.31	.33				
MONT	16	0810E	0840		S17	W90	1.000	9103	9.6	30D	-N	C							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	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
	1967 DEC																		
CANR	16	1414	1430	1418	N18	E16	.418	9115	17.8	16	-N	C		.30	.30			5	
GRP11405	16	1416	1458	1423	S18	W86	.997	9108	10.1	42	1N			2.59				4 3 2 3	
CAPE	16	1411	1504		S16	W85	.996	9108	10.2	53	1N		1421	2.56					
CAPE	16	1411	1504		S16	W85	.996	9108	10.2	53	1N	C	1418	2.12				T	
MONT	16	1415	1435D	1420	S17	W90	1.000	9108	9.8	20D	1N	C	1420	2.06					
CAPE	16	1416	1420	1418	S26	W70	.949	9108	11.3	4	-F	C	1418	.56					
MCMA	16	1418	1451	1425	S17	W90	1.000	9108	9.8	33	-F	C						DH	
HUAN	16	1437E	1439D		S17	W85	.996	9108	10.2	2D	-N	1	P	1437	.31				D
CAPE	16	1436	1443	1440	N21	W71	.955	9107	11.3	7	1F	C	1440	1.25				6	
GRP11407	16	1452	1508	1457	N19	E06	.356	9115	17.1	16	-N			1.20					
CAPS	16	1450E	1507D		N20	E10	.394	9115	17.4	17D	-N	1	1500	1.50	1.60			170	
CANR	16	1451	1501	1453	N19	E02	.344	9115	16.8	10	-N			.40	.40			E	
MCMA	16	1452	1504	1455	N20	E02	.360	9115	16.8	12	-F	C	1455	.41	.42			E	
SANM	16	1453	1520	1455	N20	E00	.359	9115	16.6	27	-N	C	1455	.32	.34				
CANR	16	1454	1500	1457	N17	E10	.351	9115	17.4	6	-F	C		.50	.50				
MCMA	16	1455	1503D	1457	N20	E09	.387	9115	17.3	8D	-N	C	1457	1.03	1.10			FK	
SANM	16	1456	1525	1458	N18	E08	.351	9115	17.2	29	-N	C	1458	.65	.69				
GRP11408	16	1502	1520	1510	N20	E09	.387	9115	17.3	18	1N			2.96				4 4 3 2	
CAPE	16	1456	1524	1511	N20	E09	.387	9115	17.3	28	2B		1511	6.53	7.10			T	
HUAN	16	1500E	1520D		N19	E09	.373	9115	17.3	20D	1N	1	P	1510	1.55	1.55			HL
MCMA	16	1503	1520D	1510	N20	E09	.387	9115	17.3	17D	-N								
CANR	16	1507	1515	1508	N19	E10	.379	9115	17.4	8	-N			.80	.90				
GRP11409	16	1525	1531	1526	N19	E12	.394	9115	17.5	6	-F			.43					
CANR	16	1524	1530	1525	N19	E19	.460	9115	18.1	6	-F	C		.40	.40			3 3 3 2	
SANM	16	1526	1532	1527	N19	E07	.361	9115	17.2	6	-F	C	1527	.48	.52				
MCMA	16	1526	1530	1527	N20	E09	.387	9115	17.3	4	-N	C	1527	.41	.42			E	
GRP11410	16	1545	1609	1555	N19	E03	.346	9115	16.9	24	-F			.57				3 3 3 0	
MCMA	16	1540	1617	1554	N21	E02	.376	9115	16.8	37	-N	C	1554	.83	.90			EK	
CANR	16	1549	1601	1555	N17	E04	.316	9115	17.0	12	-F	C		.20	.20				
HUAN	16	1555E	1558D		N19	E02	.344	9115	16.8	3D	-F	1	P	1556	.67	.67			E
GRP11410	16	1539	1608	1542	N20	E04	.364	9115	17.0	29	-N			.30				2 2 1 1	
CANR	16	1538	1559	1541	N19	E05	.352	9115	17.0	21	-N			.30	.30				
MCMA	16	1540	1617	1542	N21	E02	.376	9115	16.8	37	-N	C							
GRP11411	16	1615	1624	1619	N20	E09	.387	9115	17.4	9	-F			.59				3 3 3 1	
MCMA	16	1615	1620D	1618	N20	E10	.394	9115	17.4	5D	-N	C	1618	.52	.52			E	
LOCK	16	1615U	1624	1619	N21	E09	.402	9115	17.4	9U	-F	C	1619	1.00	1.10				
HUAN	16	1616E	1616D		N20	E08	.381	9115	17.3		-F	1	P	1616	.25	.25			D
LOCK	16	1625	1640	1630	N21	E11	.415	9115	17.5	15	-F	C	1630	.80	.90			2	
LOCK	16	1635	1653	1640	N24	E50	.815	9118	20.4	18	-F	C	1640	.40	.70			3	
GRP11414	16	1644	1648	1645	N19	E09	.373	9115	17.4	4	-F			.31				2 2 2 2	
CANR	16	1643	1646	1644	N18	E09	.358	9115	17.4	3	-F	C		.30	.30				
MCMA	16	1645	1649	1646	N20	E08	.381	9115	17.3	4	-F	C	1646	.31	.32			D	
HUAN	16	1655E	1658D		N19	E13	.403	9115	17.7	3D	-F	1	P	1656	.50	.50			E
GRP11416	16	1725	1749	1737	N20	E10	.394	9115	17.5	24	-N			.81				3 3 3 0	
LOCK	16	1717	1750	1735	N20	E08	.381	9115	17.3	33	-N	C	1735	1.30	1.40				
MCMA	16	1732	1740D	1735	N20	E10	.394	9115	17.5	8D	-B	C	1735	.62	.70			E	
BOUL	16	1741E	1747	1741U	N20	E11	.401	9115	17.6	6D	-F	C		.50	.50				
GRP11416	16	1717	1740	1723	N20	E09	.387	9115	17.4	23	-N			.83				2 2 1 0	
MCMA	16	1716	1729	1723	N20	E10	.394	9115	17.5	13	-N	C	1723	.83	.90			E	
LOCK	16	1717	1750	1722	N20	E08	.381	9115	17.3	33	-N	C							
HUAN	16	1746E	1746D		N12	W15	.338	9114	15.6		-F	1	P	1746	.37	.37			D
GRP11418	16	1759	1835	1811	N18	E10	.365	9115	17.5	36	-F			1.21				2 2 2 1	
BOUL	16	1759	1809	1800	N18	E14	.398	9115	17.8	10	-N	C		1.10	1.20				
MCMA	16	1803E	1840		N20	E08	.381	9115	17.4	37D	1N	C	1812	1.91	2.10			E	
BOUL	16	1809	1830	1811	N14	E08	.292	9115	17.4	21	-F	C		.50	.50				
GRP11419	16	1817	1848	1820	N12	W15	.338	9114	15.6	31	-F			.41				2 2 2 0	
MCMA	16	1815	1855		N12	W16	.351	9114	15.6	40	-N	C	1819	.52	.52			EK	
BOUL	16	1818	1840	1820	N11	W14	.315	9114	15.7	22	-F	C		.30	.30				
MCMA	16	1849	1859	1853	N20	E10	.394	9115	17.5	10	-F	C	1853	.52	.52			E	
BOUL	16	1900	1914	1904	S18	W79	.982	9108	10.9	14	1F	C		1.70	5.70			2	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. 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 DEC																			
GRP11422	16	1910	1932	1916	N19	E09	.373	9115	17.5	22	-N							4 4 4 0	
HUAN	16	1909	1933D		N18	E08	.351	9115	17.4	24D	1N	1	C	1921	1.41	1.80		E	
MOMA	16	1910E	1911D		N20	E10	.394	9115	17.5	1D	-N		P	1910	.62	.70		E	
BOUL	16	1910	1928	1913	N16	E08	.322	9115	17.4	18	-N		C		1.70	1.80			
LOCK	16	1912E	1935D	1918U	N20	E08	.381	9115	17.4	23D	-F		C	1918	1.50	1.70			
BOUL	16	2015	2023D	2019	N19	E08	.366	9115	17.4	8D	-N		C		.50	.50		1	
	16	2025	2125	NO FLARE PATROL															
	16	2215	2335	NO FLARE PATROL															
MANI	17	0040	0051	0046	N20	W72	.959	9107	11.6	11	-B	2		0046	.62	1.41		1	
MANI	17	0115	0124	0116	N19	E05	.354	9115	17.4	9	-B	2		0116	.21	.20		1	
GRP11426	17	0337	0346	0339	N25	W36	.689	9113	14.5	9	-N				1.26			3 3 3 1	
MANI	17	0336	0348	0339	N27	W34	.684	9113	14.6	12	-N	2		0339	.72	.99			
MITK	17	0337	0344	0339	N24	W36	.683	9113	14.5	7	1N		C	0339	1.86	2.50			
CRON	17	0339E	0345	0339U	N25	W38	.709	9113	14.3	6D	-N		C		1.20	1.70		I	
CRON	17	0409E	0420	0411U	N22	E80	.988	9118	23.2	11D	-N		C		.50	1.70		3	
GRP11428	17	0437	0454	0441	N19	E03	.348	9115	17.4	17	1N				2.55			3 3 3 1	
CRON	17	0437U	0451	0440U	N19	E03	.348	9115	17.4	14U	1N		C		2.20	2.30		EI	
MITK	17	0440E	0449D	0441	N19	E02	.346	9115	17.3	9D	1N		C	0441	3.40	3.60		E	
MANI	17	0441E	0457		N19	E03	.348	9115	17.4	16D	1F	1		0445	2.06	2.18			
CRON	17	0442	0452	0446	S15	W80	.985	9108	11.2	10	-F		C		.50	1.70		H 3	
MANI	17	0505	0518	0507	N19	E03	.348	9115	17.4	13	-N	1		0507	.41	.44		2	
GRP11431	17	0640	0750	0701	N19	E02	.346	9115	17.4	70	1B				5.36			3 3 2 0	
CRON	17	0640	0711D	0658	N19	E01	.345	9115	17.4	31D	1N		C						
MANI	17	0643E	0716D	0702	N19	E03	.348	9115	17.5	33D	1B	1		0702	2.27	2.40			
CAPE	17	0648E	0750	0702	N20	E02	.362	9115	17.4	62D	2B		C	0702	8.44	9.00		FT	
GRP11431	17	0633	0718	0645	N19	E02	.346	9115	17.4	45	1B				2.82			3 3 3 1	
ATHN	17	0625	0720	0631	N20	E01	.361	9115	17.3	55	1B	1		0631	2.31	2.50			
CRON	17	0640	0711D	0644	N19	E01	.345	9115	17.4	31D	1N		C		4.80	5.10		EI	
MANI	17	0643E	0716D	0646	N19	E03	.348	9115	17.5	33D	1B	1		0646	1.34	1.42			
CRON	17	0634E	0648	0640U	N26	E80	.989	9118	23.3	14D	-N		C		.20	.70		1	
GRP11433	17	0706	0715	0710	N27	W36	.703	9113	14.6	9	-F				.90			2 2 2 1	
CAPE	17	0701	0714	0707	N26	W36	.696	9113	14.6	13	-N		C	0707	1.38	1.90			
MANI	17	0710	0716D	0712	N27	W35	.693	9113	14.7	6D	-F	1		0712	.41	.57			
GRP11434	17	0724	0745	0732	S34	W63	.922	9116	12.6	21	-F				1.09			2 2 2 0	
CAPE	17	0718	0747	0732	S33	W63	.920	9116	12.6	29	1F		C	0732	1.52				
ATHN	17	0730	0742	0732	S35	W62	.918	9116	12.7	12	-N	1		0732	.66	1.90			
GRP11435	17	0746	0758	0748	N26	W37	.705	9113	14.5	12	1B				1.42			2 2 2 2	
ATHN	17	0745	0800	0747	N25	W36	.689	9113	14.6	15	1B	1		0747	1.32	2.10			
CAPE	17	0746	0755	0748	N26	W37	.705	9113	14.5	9	1N		C	0748	1.52	2.10			
GRP11436	17	0825	0855	0830	N25	W37	.699	9113	14.6	30	1B				1.78			3 3 3 1	
CAPE	17	0816	0959	0830	N26	W39	.724	9113	14.4	103	1N		C	0830	3.28	4.60		K	
ATHN	17	0830E	0850	0830	N25	W36	.689	9113	14.7	20D	1B	1		0830	1.32	2.10			
CATA	17	0830	0900	0830	N24	W37	.693	9113	14.6	30	-B			0830	.74	1.03		209	
GRP11436	17	0842	0853	0845	N25	W38	.709	9113	14.5	11	-N				1.45			3 3 3 1	
CAPE	17	0816	0859	0846	N26	W39	.724	9113	14.4	43	1B			0846	2.46	3.50			
CRON	17	0842	0849	0846	N25	W38	.709	9113	14.5	7	-N		C		1.20	1.70		I	
CANR	17	0842	0852	0844	N25	W38	.709	9113	14.5	10	-N		C		.70	1.00			
GRP11437	17	0835	0844	0836	S20	W63	.901	9110	12.6	9	-N				.34			4 4 4 1	
CAPE	17	0834	0845	0837	S18	W62	.892	9110	12.7	11	-N		C	0837	.52	1.20		V	
CRON	17	0834	0840	0836	S19	W61	.885	9110	12.8	6	-N		C		.30	.60			
CATA	17	0835	0845	0835	S23	W60	.884	9110	12.9	10	-B			0835	.20			204	
ATHN	17	0835	0845	0836	S20	W70	.945	9110	12.1	10	-N	1		0836	.33	.90			

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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 Ha	MAX. INT. %		
	1967 DEC																		
MONT	18	1327	1340	1330	N28	W53	.854	9113	14.6	13	-N	C	1330	1.03				1	
GRP11493	18	1330	1530	1434	N23	E36	.677	9118	21.3	120	1B			3.29				5 4 4 0	
MONT	18	1330	1445D	1445	N28	E43	.772	9118	21.8	75D	2B	C	1345	5.16					
CATA	18	1335	1355D	1345	N27	E41	.749	9118	21.6	20D	-N		1345	.57			178		
HPRR	18	1434	1530	1444	N20	E32	.614	9118	21.0	56	1N	C	1444	2.48	3.10			S	
HUAN	18	1443E	1447D		N21	E32	.621	9118	21.0	4D	1B	1	P	1447	3.71	4.07			
CANR	18	1448E	1518	1500U	N19	E32	.607	9118	21.0	30D	1N		C	1447	1.80	2.30		E	
GRP11494	18	1351	1410	1358	S22	W30	.585	9117	16.3	19	-N			.94				2 2 2 0	
CATA	18	1350	1400D	1355	S22	W29	.574	9117	16.4	10D	-N		1355	.84	1.03			166	
MONT	18	1351	1410	1400	S22	W30	.585	9117	16.3	19	-N	C	1400	1.03					
GRP11495	18	1433	1510	1442	N18	W18	.441	9115	17.3	37	1N			2.21				5 5 5 0	
HPRR	18	1430	1515	1440	N18	W15	.411	9115	17.5	45	-N	C	1440	1.24	1.35				
HOUS	18	1434E	1515	1434U	N18	W14	.402	9115	17.6	41D	-F			.60	.70			100	
MONT	18	1436	1455	1445	N20	W27	.558	9115	16.6	19	2N	C	1445	4.13					
HUAN	18	1443E	1447D		N18	W17	.431	9115	17.3	4D	1N	1	P	1447	2.99	3.01			
CANR	18	1448E	1513	1448U	N18	W18	.441	9115	17.3	25D	1N		C	1447	2.10	2.30			
MONT	18	1433	1440		S32	W90	1.000	9116	11.9	7	1N		C					0	
GRP11497	18	1528	1541	1535	S34	W80	.988	9116	12.6	13	-F			.35				2 2 2 0	
BOUL	18	1528	1540	1533	S33	W80	.988	9116	12.6	12	-F	C		.30	1.00				
HOUS	18	1537E	1542	1537U	S35	W80	.988	9116	12.7	5D	-F	C		.40	1.40			100	
HUAN	18	1626	1635D		N18	W18	.441	9115	17.3	9D	-F	1	C	1633	.37	.38		E	
GRP11499	18	1657	1710	1701	S34	W80	.988	9116	12.7	13	-F			.30				2 2 2 0	
HOUS	18	1656	1710	1702	S35	W80	.988	9116	12.7	14	-F	C		.40	1.40			100	
CANR	18	1658	1710	1700	S32	W80	.987	9116	12.7	12	-F	C		.20	.70				
CANR	18	1704	1730	1709	N26	E39	.725	9118	21.6	26	-N		C		.10	.10			1
GRP11501	18	1719	1733	1722	N18	W18	.441	9115	17.4	14	-F			1.35				2 2 2 0	
CANR	18	1717	1730	1720	N18	W17	.431	9115	17.4	13	-N	C		1.10	1.20			I	
HOUS	18	1720	1735	1723	N18	W19	.452	9115	17.3	15	-F	C		1.60	1.80			100	
HOUS	18	1809	1815	1811	N24	W57	.873	9113	14.5	6	-F	C		.10	.20			100	
GRP11503	18	1837	1941	1842	N19	W20	.473	9115	17.3	64	-F			1.76				2 2 2 0	
HOUS	18	1837	1856	1842	N19	W20	.473	9115	17.3	19	-N	C		1.60	1.80			200	
HUAN	18	1855E	2025D		N18	W19	.452	9115	17.4	90D	1F	1	P	1855	1.91	1.94			EI K
GRP11504	18	2000	2023	2005	N20	W19	.474	9115	17.4	23	-N			1.60				2 2 2 1	
BOUL	18	2000	2021	2004	N20	W18	.464	9115	17.5	21	-N	C		1.60	1.80			I	
HOUS	18	2000	2025	2005	N19	W20	.473	9115	17.3	25	-N	C		1.60	1.80			200	
CULG	18	2036	2107	2041	S18	W32	.582	9117	16.5	31	-N	1	P		.52	.62			2
GRP11506	18	2043	2050	2045	N18	W22	.484	9115	17.2	7	-N			.80				2 2 2 0	
HOUS	18	2042	2049	2045	N18	W22	.484	9115	17.2	7	-N	C		.70	.80			200	
BOUL	18	2043	2050	2045	N18	W22	.484	9115	17.2	7	-N	C		.90	1.00			H I	
GRP11507	18	2056	2132	2105	N19	W22	.494	9115	17.2	36	-N			1.56				4 4 4 0	
CULG	18	2041	2150	2111	N18	W20	.462	9115	17.4	69	1N	1	C	2058	2.89	3.20			
HOUS	18	2055	2123	2059	N21	W21	.504	9115	17.3	28	-N	C		1.20	1.40			200	
HUAN	18	2056	2100D		N18	W25	.519	9115	17.0	4D	-N	1	P		.25	.26			EI D
BOUL	18	2058	2123	2106	N19	W21	.483	9115	17.3	25	1N		C		1.90	2.20			I
GRP11508	18	2138	2144	2139	S31	W89	1.000	9116	12.2	6	-N			.16				2 2 2 1	
CULG	18	1956	2146D	2022	S34	W80	.988	9116	12.8	110D	1N	1	P		.62				
CULG	18	2118	2129	2125	S20	W90	1.000	9116	12.1	11	-B	1	C		.26				
HOUS	18	2137	2142	2139	S35	W90	1.000	9116	12.2	5	-F	C		.10	.40			100	
CULG	18	2138	2145D	2139	S34	W88	.999	9116	12.3	7D	-B	1	C		.21				
GRP11509	18	2157	2232	2205	N19	W19	.462	9115	17.5	35	-N			.64				3 3 3 1	
CULG	18	2155	2250	2208	N18	W20	.462	9115	17.4	55	-B	1	C		1.03	1.13			
HOUS	18	2156	2225	2202	N21	W18	.475	9115	17.6	29	-N	C		.50	.60			200	
BOUL	18	2200	2220	2205	N19	W20	.473	9115	17.4	20	-N	C		.40	.50			I	
CULG	18	2259	2325	2305	N18	W20	.462	9115	17.5	26	1N	2	C		2.06	2.26			1
GRP11511	19	0046	0115	0103	N21	W35	.655	9115	16.4	29	-N			.46				2 2 2 1	
CRON	19	0045	0052	0047	N21	W36	.666	9115	16.3	7	-N	C		.30	.40			HI	
CULG	19	0047	0123	0104	N20	W34	.637	9115	16.5	36	-N	2	C		.62	.78			
CRON	19	0059	0107	0101	N21	W36	.666	9115	16.3	8	-N	C		.30	.40			HI	

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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. %								
GRP11560 CULG CRON	1967 DEC	20	0719	0735	0722	N12	E90	1.000	9127	27.1	16	1B	1	C	0910	.54				2 2 2 2					
	20	0717	0740	0721	N13	E90	1.000	9127	27.1	23	1B	.57													
	20	0720	0730	0723	N11	E90	1.000	9127	27.1	10	1N	.50				2.00									
GRP11561 CRON ARCE	20	0908	0922	0915	N12	W67	.926	9114	15.4	14	-N	C	C	0910	.34				2 2 2 1						
	20	0908	0923	0915	N12	W68	.933	9114	15.3	15	-N				.40	.90									
	20	0910E	0920		N11	W66	.919	9114	15.4	10D	-N				.28	.70									
GRP11562 ARCE CANR	20	0945	1004	0949	N19	W37	.666	9115	17.6	19	-N	C	C	0950	.75				2 2 2 1						
	20	0945	1000D	0950	N18	W37	.660	9115	17.6	15D	-N				.99	1.30									
	20	0945	1004	0947	N19	W36	.654	9115	17.7	19	-N				.50	.70									
GRP11563 CANR ZURI CATA	20	1053	1103	1055	N13	W46	.742	9115	17.0	10	-N	C	C	1057	1.10				3 3 3 1						
	20	1051	1102	1053	N13	W46	.742	9115	17.0	11	-N				.40	.60									
	20	1054	1103	1057	N13	W45	.731	9115	17.1	9	1N				1.78	2.60									
	20	1055E	1105D	1055	N13	W47	.753	9115	16.9	10D	-N	1055	1.11	1.67		200									
HUAN	20	1141E	1158		S16	E22	.440	9125	22.1	17D	-F	1	C	1145	.31	.31			D	3					
HUAN	20	1155	1200	1157	N16	W45	.740	9115	17.1	5	-F	2	C	1157	.25	.30			DT	4					
GRP11566 CANR HUAN CAPE	20	1158	1207	1200	N26	W81	.992	9113	14.4	9	-F	1	C	1202	.31				3 3 3 2						
	20	1156	1205	1158	N25	W79	.987	9113	14.6	9	-F				.20	.70									
	20	1159	1207	1202	N26	W83	.995	9113	14.3	8	-F				.31										
	20	1159	1208	1200	N26	W80	.990	9113	14.5	9	-F	C	1200	.43				D							
GRP11567 CANR CAPE	20	1227	1232	1228	S28	E37	.697	9120	23.3	5	-F	C	C	1229	.27				2 2 2 2						
	20	1225	1230	1227	S29	E36	.694	9120	23.2	5	-N				.10	.10									
	20	1228	1233	1229	S27	E37	.691	9120	23.3	5	-F				.43	.60									
HUAN	20	1252	1259	1254	N18	W44	.737	9115	17.2	7	-N	2	C	1254	.31	.38			D	4					
GRP11569 CAPE CANR HUAN	20	1304	1316	1311	N18	W45	.748	9115	17.2	12	-N	C	C	1312	.69				3 3 3 3						
	20	1304	1319	1312	N18	W45	.748	9115	17.2	15	-N				.99	1.50									
	20	1304	1314	1310	N18	W45	.748	9115	17.2	10	-F				.50	.70									
	20	1305	1316		N18	W45	.748	9115	17.2	11	-N	1	C	1312	.57	.70			E						
MCMA	20	1355E	1425D		N25	E12	.484	9118	21.5	30D	-N	C	1356	.31	.40			D	6						
GRP11571 CAPE SANM CANR ZURI MCMA HUAN HTPR	20	1355	1418	1359	N14	W48	.766	9115	17.0	23	-N	C	C	1400	1.00				7 7 7 1						
	20	1353	1422	1400	N14	W49	.777	9115	16.9	29	1N				1.99	3.10									
	20	1353	1430	1359	N14	W50	.787	9115	16.8	37	-N				1.13	1.84									
	20	1353	1409	1357	N14	W48	.766	9115	17.0	16	-N				.50	.80									
	20	1355	1410	1400	N14	W46	.745	9115	17.1	15	-N				.85	1.30									
	20	1355E	1425	1359	N13	W48	.763	9115	17.0	30D	-B				.72	1.10									
	20	1357E	1423		N14	W48	.766	9115	17.0	26D	-B				1.21	1.51									
	20	1359	1410	1401	N15	W50	.789	9115	16.8	11	-N				.62	.90									
	HUAN	20	1434	1440	1435	N16	W43	.719	9115	17.4	6				-F	2	C	1435		.31	.37			E	6
	HUAN	20	1523	1554		S16	E20	.414	9125	22.1	31				-F	2	C	1538		.25	.25			D	1
	HUAN	20	1525	1541	1530	S25	E32	.626	9120	23.0	16				-N	1	C	1530		.75	.83			H	1
HUAN	20	1539	1543	1540	N16	W46	.751	9115	17.2	4	-F	1	C	1540	.25	.31			D	1					
GRP11576 HUAN HOUS	20	1616	1652	1632	N16	W47	.762	9115	17.2	36	-F	1	C	1633	.21				2 2 2 0						
	20	1616	1643		N16	W46	.751	9115	17.2	27	-N				.31	.38									
	20	1629E	1700U	1632U	N15	W48	.769	9115	17.1	31U	-F				.10	.20									
LOCK	20	1655U	1715	1700	N13	E82	.992	9127	26.9	20U	-F	C	1700	.30	1.00				3						
GRP11578 LOCK HUAN	20	1706	1716	1709	N17	W46	.754	9115	17.3	10	-F	C	C	1709	.46				2 2 2 1						
	20	1705	1717	1709	N15	W46	.748	9115	17.3	12	-F				.60	.90									
	20	1707	1715	1708	N18	W46	.758	9115	17.3	8	-N				.31	.39									
GRP11579 HUAN MCMA HOUS	20	1719	1727	1721	N18	W46	.758	9115	17.3	8	-N	2	C	1720	.25				3 3 3 1						
	20	1719	1725	1720	N18	W46	.758	9115	17.3	6	-N				.35	.44									
	20	1719	1726	1721	N18	W45	.748	9115	17.3	7	-N				.21	.30									
	20	1721E	1729U	1721U	N18	W47	.768	9115	17.2	8U	-N				.20	.30		200							
MCMA	20	1740	1742D		N12	E90	1.000	9126	27.5	2D	-F	P						D	2						
LOCK	20	1800	1825	1812	N22	W82	.993	9113	14.6	25	1F	C	1812	.90	3.10			H	2						
GRP11582 HUAN MCMA	20	1826	1838	1830	N16	W47	.762	9115	17.2	12	-N	1	P	1828	.64				2 2 2 1						
	20	1824	1837		N16	W45	.740	9115	17.4	13	-N				.75	.92									
	20	1827	1838	1830	N15	W48	.769	9115	17.2	11	-N				.52	.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. 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. %
HALE	1967 DEC 20	1839E	1906	1844U	N20	E01	.367	9118	20.9	27D	-F	1 P	1844	.15	.20			3
GRP11584	20	1906	1913	1910	N17	W47	.765	9115	17.3	7	-N	1 C	1910	.26				3 3 3 1
HALE	20	1906	1913	1910	N18	W46	.758	9115	17.3	7	-N	1 C	1910	.21	.30			
HUAN	20	1906	1913		N18	W47	.768	9115	17.3	7	-N	1 C	1908	.31	.39			D
MAMA	20	1907	1912D		N15	W48	.769	9115	17.2	5D	-N	P	1910	.26	.40			D
GRP11585	20	1932	1945	1938	N24	W78	.984	9113	15.0	13	-N	1 P		.53				3 3 3 1
CULG	20	1931	1940D	1939	N26	W80	.990	9113	14.8	9D	1N	1 P		.67				
LOCK	20	1931	1947	1937	N22	W77	.980	9113	15.0	16	-F	C	1937	.60	1.90			H
HALE	20	1933	1943	1938	N24	W77	.981	9113	15.0	10	-N	1 P	1938	.31				H
HALE	20	1943	1947D		S24	E29	.587	9120	23.0	4D	-B	1 P	1943	.41	.50			3
GRP11587	20	2006	2022	2012	N24	W81	.991	9113	14.8	16	-N	1 P		.51				2 2 2 1
CULG	20	2005	2013D	2013	N26	W80	.990	9113	14.8	8D	1N	1 P		.62				
LOCK	20	2006	2022	2011	N22	W82	.993	9113	14.7	16	-N	C	2011	.40	1.40			H
CULG	20	2052	2119	2056	S15	E17	.367	9125	22.1	27	-N	1 C		.62	.60			2
LOCK	20	2133	2150	2137	N27	E09	.497	9118	21.6	17	-F	C	2137	.50	.60			2
LOCK	20	2137	2150	2143	S15	E16	.355	9125	22.1	13	-F	C	2143	.30	.30			2
CULG	20	2226	2243	2228	S39	E04	.650	9125	21.2	17	-F	2 C		.57	.69			0
GRP11592	20	2243	2259	2250	S15	E17	.395	9125	22.2	16	-N	1 C		.82				2 2 2 1
CULG	20	2241	2257	2251	S15	E17	.367	9125	22.2	16	-N	1 C		1.03	1.00			
LOCK	20	2244	2300	2249	S15	E16	.355	9125	22.1	16	-N	C	2249	.60	.70			
GRP11593	20	2302	2316	2305	N16	W45	.740	9115	17.6	14	-N	1 C		.67				2 2 2 2
LOCK	20	2302	2315	2306	N15	W45	.737	9115	17.6	13	-N	C	2306	.50	.80			
CULG	20	2302	2317	2304	N17	W44	.733	9115	17.7	15	-N	1 C		.83	1.20			
GRP11594	20	2349	0011	2355	S15	E16	.355	9125	22.2	22	-N	1 C		.97				2 2 2 2
CULG	20	2347	0016	2356	S15	E17	.367	9125	22.3	29	-N	1 C		1.24	1.20			
CRON	20	2350	0005	2353	S15	E15	.343	9125	22.1	15	-N	C		.70	.70			L E
CULG	21	0045	0115	0057	N10	W70	.943	9114	15.8	30	-N	1 C		.41				3
CRON	21	0102	0116	0104	S15	E15	.341	9125	22.2	14	-F	C		.40	.40			3
HALE	21	0111E	0118D	0111U	N18	E01	.337	9118	21.1	7D	-N	1 P	0111	.15	.20			G 4
CULG	21	0126	0135	0129	N11	W73	.960	9114	15.6	9	-F	1 C		.62				4
GRP11599	21	0147	0216	0150	S15	E16	.353	9125	22.3	29	-B	1 C		1.16				2 2 2 3
CULG	21	0145	0226	0150	S14	E14	.318	9125	22.1	41	-N	1 C		1.60	1.55			L
HALE	21	0148	0205	0150	S16	E17	.376	9125	22.3	17	-B	1 C	0150	.72	.80			LV
GRP11600	21	0149	0159	0152	N26	W85	.998	9113	14.7	10	-F	1 C		.41				3 3 3 2
CULG	21	0148	0205	0153	N25	W80	.989	9113	15.1	17	-N	1 C		.31				
CRON	21	0148	0156	0151	N26	W90	1.000	9113	14.3	8	-F	C		.40	1.40			
MANI	21	0151	0156	0152	N27	W86	.999	9113	14.6	5	-F	2	0152	.52	1.55			
GRP11601	21	0152	0201	0155	N19	W51	.811	9115	17.3	9	-N	1 C		.70				4 4 4 2
MANI	21	0151	0200	0155	N20	W57	.865	9115	16.8	9	-N	2	0155	.62	1.12			
HALE	21	0152	0205	0154	N19	W49	.792	9115	17.4	13	-B	1 C	0154	.41	.70			EI
CULG	21	0152	0200	0155	N17	W48	.776	9115	17.5	8	-N	1 C		.77	1.27			
CRON	21	0153	0159	0154	N18	W50	.798	9115	17.3	6	-N	C		1.00	1.70			E
HALE	21	0241	0254	0244	N17	W46	.755	9115	17.7	13	-N	1 C	0244	.21	.30			I 5
HALE	21	0304	0310	0306	N17	W46	.755	9115	17.7	6	-N	1 C	0306	.15	.20			I 5
GRP11604	21	0432	0443	0437	N17	W51	.805	9115	17.4	11	-N	1 C		1.17				2 2 2 3
CULG	21	0431	0443	0438	N16	W50	.793	9115	17.4	12	-N	1 C		.83	1.36			
CRON	21	0432	0443	0436	N17	W52	.815	9115	17.3	11	1N	C		1.50	2.50			E
GRP11605	21	0527	0547	0531	N11	E84	.995	9127	27.5	20	-N	1 C		.36				2 2 2 2
CULG	21	0526	0549	0531	N12	E78	.980	9127	27.1	23	-N	1 C		.52				
CRON	21	0528	0544	0530	N10	E90	1.000	9127	28.0	16	-N	C		.20	.70			
CRON	21	0533	0542	0534	N16	W56	.848	9115	17.0	9	-N	C		.20	.40			3
CRON	21	0553	0600	0555	N13	W60	.877	9115	16.7	7	-F	C		.20	.40			3
CRON	21	0557	0559	0558	N19	W52	.820	9115	17.3	2	-F	C		.20	.30			3

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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																	
	DEC																	
CULG	21	0701	0706	0704	S16	E12	.319	9125	22.2	5	-N	1	C		.52	.50		L 4
CULG	21	0701	0705	0704	N19	W56	.855	9115	17.1	4	-N	1	C		.31	.59		4
CRON	21	0757	0802	0758	N21	W05	.393	9118	21.0	5	-N		C		.40	.40		3
GRP11612	21	0800	0814	0804	N14	W89	1.000	9113	14.7	14	-F				.35			2 2 2 1
CAPE	21	0759	0808	0804	N13	W87	.999	9113	14.8	9	-F		C	0804	.39			
CRON	21	0800	0819	0803	N14	W90	1.000	9113	14.6	19	-N		C		.30	1.20		
GRP11613	21	0910	0936	0914	N26	E04	.468	9118	21.7	26	1B				2.63			8 8 8 0
HPR	21	0907	0934	0909	N27	E04	.483	9118	21.7	27	1B		C	0909	2.99	3.40		L
CANR	21	0909	0930	0911	N26	E05	.470	9118	21.8	21	-N		C		1.40	1.60		E
CRON	21	0909	0934	0913	N17	E04	.326	9118	21.7	25	-B		C		1.50	1.70		
ARCE	21	0910	0932	0914	N27	E04	.483	9118	21.7	22	1N		C	0914	2.32	2.60		
CATA	21	0910	1005D	0915	N27	E03	.482	9118	21.6	55D	1B			0915	2.51	2.89	246	
CATA	21	0910	0940	0915	N23	E03	.420	9118	21.6	30	-N			0915	.53	.59	170	
CRON	21	0911	0917	0913	N30	W07	.535	9118	20.9	6	-F		C		.30	.40		
MONTE	21	0912	0940	0914	N26	E11	.494	9118	22.2	28	-B		C	0914	1.55			
CAPS	21	0912E	0930		N26	E02	.465	9118	21.5	18D	1N	2		0916	4.00	4.60	173	CF
CAPE	21	0913E	0951	0914	N27	E04	.483	9118	21.7	38D	2B		C	0914	4.50	5.20		FH
CAPE	21	0920	0930	0927	N13	W90	1.000	9114	14.6	10	-F		C	0927	.18			6
GRP11615	21	0935	0940	0936	N17	W56	.850	9115	17.2	5	-N				.28			2 2 2 5
CAPE	21	0920	0938	0922	N14	W55	.836	9115	17.3	18	-N		C	0922	.35	.60		
CANR	21	0933	0938	0934	N18	W56	.852	9115	17.2	5	-N		C		.20	.40		
CAPE	21	0936	0941	0937	N19	W56	.855	9115	17.2	5	-N		C	0937	.35	.70		
GRP11616	21	0955	1004	1000	N16	W61	.889	9115	16.8	9	-F				.92			3 3 3 3
CAPE	21	0954	1006	1002	N16	W63	.904	9115	16.7	12	1F			1002	1.04	2.50		H
CATA	21	0955E	1005D	1000	N16	W61	.889	9115	16.8	10D	-N			1000	.72		150	
CATA	21	0955E	1005D	1000	N15	W55	.838	9115	17.3	10D	-N			1000	.60	1.14	186	
CANR	21	0957	1002	0959	N17	W63	.905	9115	16.7	5	-F		C		.40	.80		
CAPE	21	1037	1105	1043	N14	W60	.878	9115	16.9	28	1N		C	1043	1.52	3.20		FJ 3
CAPE	21	1043	1054	1046	N21	W60	.890	9115	16.9	11	-F		C	1046	.43	.90		3
CAPE	21	1056	1114	1101	N11	W83	.993	9114	15.2	18	-F		C	1101	.43			4
GRP11620	21	1135	1142	1137	N17	W59	.875	9115	17.1	7	-N				.95			4 4 4 2
CANR	21	1133	1140	1136	N18	W57	.861	9115	17.2	7	-N		C		.60	1.10		I
CATA	21	1135E	1145	1135	N16	W53	.821	9115	17.5	10D	-N			1135	.51	.91	178	
CATA	21	1135E	1145	1135	N15	W63	.902	9115	16.8	10D	-N			1135	.35		186	
HUAN	21	1135	1140	1136	N17	W52	.815	9115	17.6	5	-N	2	C	1136	.25	.34		DT
HUAN	21	1135	1141	1139	N16	W67	.930	9115	16.5	6	-F	2	C	1139	.25			D
CAPE	21	1136	1143	1139	N18	W60	.885	9115	17.0	7	1B		C	1139	1.82	3.90		F
GRP11621	21	1217	1231	1222	N17	W56	.850	9115	17.3	14	-F				.23			2 2 2 4
HUAN	21	1215	1219	1216	N18	W52	.817	9115	17.6	4	-F	2	C	1216	.21	.28		D
CANR	21	1218	1230	1222	N17	W57	.859	9115	17.2	12	-F		C		.20	.40		
HUAN	21	1220	1232	1222	N16	W56	.848	9115	17.3	12	-F	2	C	1222	.25	.36		D
GRP11622	21	1229	1236	1231	N18	W54	.835	9115	17.5	7	-N				.43			3 3 3 3
CANR	21	1226	1235	1229	N18	W55	.844	9115	17.4	9	-N		C		.30	.50		I
CAPE	21	1230	1240	1231	N18	W53	.826	9115	17.5	10	-N		C	1231	.78	1.40		
HUAN	21	1231	1234	1232	N18	W53	.826	9115	17.5	3	-F	2	C	1232	.21	.28		D
GRP11623	21	1344	1349	1345	N18	W59	.877	9115	17.1	5	-N				.39			2 2 2 4
CAPE	21	1343	1350	1345	N18	W60	.885	9115	17.1	7	-N		C	1345	.56	1.20		
HUAN	21	1345	1347	1345	N18	W58	.869	9115	17.2	2	-N	2	C	1345	.21	.31		D
GRP11624	21	1414	1419	1415	N18	W54	.835	9115	17.5	5	-N				.43			3 3 3 3
CANR	21	1412	1416	1414	N18	W55	.844	9115	17.5	4	-N		C		.30	.50		I
HUAN	21	1414	1420	1415	N18	W53	.826	9115	17.6	6	-F	2	C	1415	.21	.29		D
CAPE	21	1415	1421	1416	N18	W54	.835	9115	17.5	6	-N		C	1416	.78	1.40		
GRP11624	21	1404	1421	1409	N19	W68	.939	9115	16.5	17	-F				.62			2 2 2 4
CAPE	21	1403	1427	1409	N19	W68	.939	9115	16.5	24	-N		C	1409	.87			
HUAN	21	1404	1415	1408	N19	W67	.933	9115	16.6	11	-F	2	C	1408	.37			D
HUAN	21	1430	1439	1432	S16	E09	.290	9125	22.3	9	-F	2	C	1432	.25	.25		D 5
HUAN	21	1441	1451	1444	S16	E09	.290	9125	22.3	10	-F	2	C	1444	.25	.25		D 4
GRP11627	21	1455	1511	1457	N19	W56	.855	9115	17.4	16	-F				.85			2 2 2 3
CANR	21	1454	1509	1456	N19	W55	.846	9115	17.5	15	-F		C		.70	1.30		
HUAN	21	1456	1512	1458	N18	W56	.852	9115	17.4	16	-N	2	C	1458	1.00	1.43		E

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %				
					LAT.	MER. DIST.																
	1967 DEC																					
HUAN	21	1617	1635		N17	W59	.875	9115	17.3	18	-F	1	C	1626	.70	1.05			E	4		
GRP11629	21	1645	1649	1646	S15	E05	.246	9125	22.1	4	-F				.58				2	2	2	2
SACP	21	1644	1649	1646	S15	E05	.246	9125	22.1	5	-F		C		.90	.88						
HUAN	21	1645	1648	1646	S15	E05	.246	9125	22.1	3	-F	2	C	1646	.25	.25			D			
HUAN	21	1702	1713		N26	E00	.464	9118	21.7	11	-F	2	C	1703	.25	.25			D	4		
HUAN	21	1728	1735	1729	N20	W06	.381	9118	21.3	7	-F	2	C	1729	.21	.21			D	3		
GRP11632	21	1751	1808	1754	N27	W01	.480	9118	21.7	17	-F				.55				2	2	2	2
SACP	21	1749	1808	1754	N27	W01	.480	9118	21.7	19	-F	2	C		.79	.82						
HUAN	21	1753	1807	1754	N26	W01	.464	9118	21.7	14	-F	2	C	1754	.31	.31			D			
GRP11633	21	1804	1819	1806	N19	W58	.871	9115	17.4	15	-N				.31				2	2	2	2
HUAN	21	1803	1807	1805	N19	W60	.886	9115	17.3	4	-B	2	C	1805	.25	.39			D			
HALE	21	1805	1811	1806	N17	W61	.890	9115	17.2	6	-B	2	C	1806	.15	.36						
HALE	21	1806	1830	1808	N19	W51	.811	9115	17.9	24	-F	1	C	1808	.21	.46						
GRP11634	21	1904	1925	1910	N26	W03	.466	9118	21.6	21	-F				.41				2	2	2	2
LOCK	21	1903	1930	1910	N26	W04	.468	9118	21.5	27	-F		C	1910	.50	.60						
HUAN	21	1904	1919		N26	W02	.465	9118	21.6	15	-N	1	C	1908	.31	.31			D			
GRP11635	21	1930	1952	1936	N16	W62	.896	9115	17.2	22	-N				.31				3	3	3	2
HUAN	21	1929	1950		N16	W63	.904	9115	17.1	21	-N	1	C	1939	.35	.55			D			
CULG	21	1930E	1958	1938	N17	W62	.898	9115	17.2	28D	-N	1	C		.36	.89						
HALE	21	1931	1947	1934	N15	W61	.888	9115	17.2	16	-N	1	C	1934	.21	.56						
CULG	21	1930E	1940	1936	N15	W90	1.000	9114	15.1	10D	-N	1	C		.41							4
GRP11637	21	1938	2006	1944	N27	W03	.482	9118	21.6	28	-N				1.02				4	4	4	1
SACP	21	1935	1959	1944	N26	W02	.465	9118	21.7	24	-N		C		1.51	1.54						
LOCK	21	1937	1952	1941	N26	W04	.468	9118	21.5	15	-F		C	1941	.80	.96						
HUAN	21	1939	1958		N27	W03	.482	9118	21.6	19	-N	1	C	1944	.75	.77						
CULG	21	1940	2034	1948	N27	W02	.480	9118	21.7	54	-N	1	C		1.03	1.15						
HUAN	21	2015	2034	2016	S16	E04	.257	9125	22.1	19	-F	2	C	2016	.45	.45			E	4		
LOCK	21	2020	2040	2030	N08	W82	.991	9114	15.7	20	-F		C	2030	.30	1.00			H	4		
CULG	21	2109	2152	2113	N11	W72	.955	9115	16.5	43	-F	1	C		.41				L	4		
GRP11641	21	2126	2137	2130	N23	W01	.417	9118	21.8	11	-N				.37				3	3	3	1
LOCK	21	2125	2138	2130	N24	W02	.434	9118	21.7	13	-F		C	2130	.50	.60						
CULG	21	2126	2137	2131	N23	E01	.417	9118	22.0	11	-N	1	C		.41	.50						
HALE	21	2126	2137	2130	N23	W01	.417	9118	21.8	11	-N	1	C	2130	.21	.21						
GRP11642	21	2310	2326	2317	N15	W60	.880	9115	17.5	16	-N				.72				3	3	3	0
CULG	21	2306	2326	2317	N15	W58	.864	9115	17.6	20	-N	1	C		.83	1.80						
LOCK	21	2310	2322	2317	N13	W59	.869	9115	17.5	12	-F		C	2317	.70	1.40						
HALE	21	2310	2330	2316	N14	W60	.878	9115	17.5	20	-B	1	C	2316	.31	.70						
CULG	21	2310	2317	2312	N20	W64	.916	9115	17.2	7	-N	1	C		.31	.75						
CULG	21	2326	2333	2327	N21	W60	.890	9115	17.5	7	-N	1	C		.36	.78						
GRP11643	21	2337	2357	2343	S16	E20	.413	9122	23.5	20	-F				.46				4	4	4	0
CULG	21	2335	2359D	2343	S15	E19	.391	9122	23.4	24D	-N	1	C		.67	.65						
LOCK	21	2337	2355	2341	S16	E20	.413	9122	23.5	18	-F		C	2341	.70	.80						
CRON	21	2339	2354	2342	S17	E20	.422	9122	23.5	15	-F		C		.20	.20						
HALE	21	2343E	2358D	2345	S15	E20	.404	9122	23.5	15D	-F	1	P	2345	.26	.30			G			
CULG	21	2357	0022	0003	S23	E90	1.000	9128	28.7	25	-N	1	C		.31							4
GRP11645	22	0021	0045	0023	N26	W04	.470	9118	21.7	24	-F				.49				2	2	2	0
CULG	22	0020	0048	0023	N26	W04	.470	9118	21.7	28	-F	1	C		.57	.55						
CRON	22	0021	0042	0023	N26	W03	.468	9118	21.8	21	-N		C		.40	.50			E			
GRP11646	22	0042	0056	0043	N19	W61	.894	9115	17.5	14	-N				.67				2	2	2	1
CULG	22	0041	0100	0043	N24	W60	.896	9115	17.5	19	-N	1	C		.62	1.20						
MITK	22	0042	0052	0043	N14	W61	.886	9115	17.5	10	-N		C	0043	.72	1.70			D			
HALE	22	0110E	0125		N16	W62	.897	9115	17.4	15D	-N	1	P	0110	.31	.70						3
HALE	22	0216	0223	0218	N16	W62	.897	9115	17.4	7	-N	2	C	0218	.52	1.20						4
GRP11649	22	0216	0233	0220	S18	E59	.867	9124	26.5	17	-F				.21				2	2	2	3
HALE	22	0212	0236	0216	S18	E59	.867	9124	26.5	24	-N	1	C	0216	.21	.40			G			
CRON	22	0220	0229	0223	S17	E59	.865	9124	26.5	9	-F		C		.20	.40						

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	DATE	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
1967 DEC																	
GRP11672	22	1315	1326	1319	N17 W71	.953	9115	17.2	11	1N							
CANR	22	1314	1325	1317	N17 W68	.937	9115	17.5	11	1N	C		.91				4 4 4 0
HUAN	22	1315	1329	1320	N17 W70	.948	9115	17.3	14	1N	2 C	1320	1.03	2.20			
HTPR	22	1315	1320	1317	N17 W70	.948	9115	17.3	5	-N	C		.72				
SANM	22	1316E	1331	1320	N16 W75	.971	9115	16.9	15D	1F	C	1320	.97				
GRP11673	22	1357	1404	1359	N23 W87	.999	9115	16.1	7	-F			.30				5 5 5 2
CANR	22	1356	1404	1358	N24 W90	1.000	9115	15.8	8	-F	C		.20	.80			
ATHN	22	1357	1408	1400	N21 W85	.985	9115	16.2	11	-N	1 C	1400	.33				
HTPR	22	1357	1400	1358	N23 W90	1.000	9115	15.8	3	-N	C	1358	.41				
HOUS	22	1358	1401D	1400U	N22 W80	.989	9115	16.6	3D	-F	C		.30	1.00		100	
HUAN	22	1359	1406	1400	N24 W88	1.000	9115	16.0	7	-F	1 C	1400	.25				
HUAN	22	1409	1415	1410	N18 W71	.954	9115	17.3	6	-F	2 C	1410	.21			D	
HUAN	22	1418	1426	1419	N17 W69	.943	9115	17.4	8	-F	2 C	1419	.25			D	
GRP11676	22	1431	1440	1434	N20 W75	.973	9115	17.0	9	-F			.29				2 2 2 3
HUAN	22	1429	1437		N17 W69	.943	9115	17.4	8	-F	1 C	1432	.41			D	
ATHN	22	1433	1442	1434	N23 W80	.989	9115	16.6	9	-N	1 C	1434	.17				
HUAN	22	1448	1453	1449	N19 W72	.959	9115	17.2	5	-F	2 C	1449	.25			D	
HUAN	22	1526	1535	1528	N17 W70	.948	9115	17.4	9	-F	1 C	1528	.25			D	
GRP11679	22	1554	1608	1556	N17 W72	.958	9115	17.3	14	-F			.70				2 2 2 1
CANR	22	1553	1602	1556	N17 W72	.958	9115	17.3	9	1F	C		.90	2.40			
HUAN	22	1554	1614		N17 W71	.953	9115	17.3	20	-N	1 C	1559	.50				
SACP	22	1657	1726	1707	N23 W17	.497	9118	21.4	29	-F	C		.50	.52			6
HALE	22	1745	1800	1748	N13 W71	.951	9115	17.4	15	-N	2 C	1748	.31				4
GRP11682	22	1808	1833	1815	N28 W04	.500	9118	22.5	25	-N			1.38				5 5 5 0
SACP	22	1803	1852	1816	N28 W03	.498	9118	22.5	49	1N	C		3.59	3.72			
HALE	22	1808	1836	1816	N27 W04	.485	9118	22.5	28	-B	2 C	1816	1.24	1.40			G
HUAN	22	1810	1824D		N28 W03	.498	9118	22.5	14D	-N	1 C	1814	.88	.98			E
LOCK	22	1810	1830	1815	N28 W05	.502	9118	22.4	20	-N	C	1815	1.00	1.20			
HOUS	22	1811	1822	1814	N27 W05	.487	9118	22.4	11	-F	C		.20	.20			100
GRP11683	22	1848	1907	1850	N21 W83	.995	9115	16.6	19	-F			.34				2 2 2 3
HALE	22	1825	1855	1836	N17 W72	.958	9115	17.4	30	-N	2 C	1836	.21				
HALE	22	1847	1907	1850	N21 W81	.991	9115	16.7	20	-N	2 C	1850	.36			L	
HUAN	22	1849	1854D		N22 W90	1.000	9115	16.0	5D	-F	1 P	1851	.31				
HALE	22	1916	1935	1921	S24 E71	.951	9128	28.1	19	-F	1 C	1921	.31				4
HUAN	22	1937	1944		N20 W26	.552	9118	20.9	7	-F	1 C	1940	.25	.26			D
HUAN	22	1937	1949		N17 W73	.963	9115	17.3	12	-B	1 C	1943	.88				5
GRP11687	22	2000	2020	2003	N17 W72	.958	9115	17.4	20	-B			.41				3 3 3 2
CULG	22	1959	2029	2003	N18 W70	.949	9115	17.6	30	-N	1 C		.46				
HALE	22	2000	2015	2002	N16 W73	.962	9115	17.4	15	-B	1 C	2002	.41				
HUAN	22	2001E	2017		N17 W73	.963	9115	17.4	16D	-B	1 C	2003	.35				
HUAN	22	2030	2037		N24 W07	.448	9118	22.3	7	-F	1 C	2031	.25	.25			D
LOCK	22	2037	2054	2040	S19 E05	.308	9122	23.2	17	-N	C	2040	.80	.90			4
GRP11690	22	2040	2103	2041	S23 E04	.368	9120	23.2	23	-F			.53				4 4 4 1
CULG	22	2039	2114	2041	S22 E04	.352	9120	23.2	35	-F	1 C		.67	.65			
HUAN	22	2039	2046		S24 E05	.387	9120	23.2	7	-F	1 C	2041	.25	.25			S
SACP	22	2040	2117	2041	S23 E04	.368	9120	23.2	37	-N	C		.79	.80			D
HALE	22	2040	2054	2042	S22 E04	.352	9120	23.2	14	-N	1 C	2042	.41	.42			
HALE	22	2104E	2125	2104	S22 E04	.352	9120	23.2	21D	-N	1 P	2104	.36	.40			
GRP11691	22	2106	2118	2108	N17 W72	.958	9115	17.5	12	-F			.34				2 2 2 3
CULG	22	2100	2115	2104	N18 W70	.949	9115	17.6	15	-F	1 C		.46				
HALE	22	2111	2120	2112	N16 W73	.962	9115	17.4	9	-N	1 C	2112	.21				
CULG	22	2147	2200	2153	N07 W90	1.000	9115	16.2	13	-F	1 C		.31				3
CULG	22	2352	0006	0001	N17 W74	.967	9115	17.4	14	-N	1 C		.52				3
CULG	23	0014	0021	0017	N20 W77	.980	9115	17.2	7	-N	1 C		.41				3

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	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 DEC																		
GRP11695	23	0026	0044	0031	N21	W29	.594	9118	20.8	18	-N					2 2 2 2		
CULG	23	0025	0040	0030	N22	W29	.602	9118	20.8	15	-N	1	C		.44			
HALE	23	0026	0048	0032	N19	W29	.578	9118	20.8	22	-N	1	C	0032	.57	.69		
CULG	23	0045	0108	0053	S23	E70	.945	9128	28.3	23	-F	1	C		.31	.40		
GRP11697	23	0105	0123	0106	S23	W01	.361	9120	23.0	18	-B				.52			
CULG	23	0105	0110	0106	S22	W02	.345	9120	22.9	5	-N	1	C		.62	.70	2 2 2 3	
HALE	23	0105	0135	0105	S23	E01	.361	9120	23.1	30	-B	1	C	0105	.72	.60	L	
GRP11698	23	0119	0138	0123	N22	W18	.495	9118	21.7	19	-N				.57			
HALE	23	0119	0145	0123	N26	W18	.543	9118	21.7	26	-N	1	C	0123	.41	.50	2 2 2 2	
CULG	23	0119	0131	0123	N17	W18	.437	9118	21.7	12	-N	1	C		.72	.84	L	
GRP11699	23	0120	0132	0122	N18	W85	.997	9115	16.7	12	-B				.37			
CULG	23	0119	0128	0122	N19	W88	1.000	9115	16.5	9	1N	1	C		.52		2 2 2 2	
HALE	23	0120	0136	0122	N17	W81	.990	9115	17.0	16	-B	1	C	0122	.21		H	
HALE	23	0146	0155	0146	S23	E69	.939	9128	28.2	9	-N	1	C	0146	.15			
GRP11701	23	0151	0205	0156	N20	W30	.597	9118	20.8	14	-N				.61			
CULG	23	0148	0205	0156	N20	W30	.597	9118	20.8	17	-B	2	C		.77	.88	5 5 5 0	
HALE	23	0150	0210	0157	N20	W30	.597	9118	20.8	20	-B	2	C	0157	.62	.80	HL	
MITK	23	0152	0203	0155	N20	W30	.597	9118	20.8	11	-N			0155	.62	.80	E	
CRON	23	0152	0202	0156	N20	W30	.597	9118	20.8	10	-N				.50	.60	E	
MANI	23	0157E	0206		N20	W28	.575	9118	21.0	90	-F	2		0158	.52	.64	E	
GRP11702	23	0302	0312	0305	N17	W87	.999	9115	16.6	10	1N				.91			
CULG	23	0300	0313	0306	N18	W89	1.000	9115	16.4	13	1N	2	C		1.03		5 5 5 1	
MANI	23	0302	0311	0305	N20	W86	.999	9115	16.7	9	-N	2	C	0305	.62	1.91	H	
HALE	23	0302	0314	0305	N17	W81	.990	9115	17.1	12	-B	2	C	0305	.26			
CRON	23	0302	0309	0306	N18	W90	1.000	9115	16.4	7	2B				1.30	5.20	HI	
MITK	23	0303	0312	0305	N11	W90	1.000	9115	16.4	9	2F			0305	1.34		H	
CULG	23	0348	0410	0355	N20	W80	.988	9115	17.2	22	-N	1	C		.41			
GRP11704	23	0418	0450	0426	S19	E62	.891	9128	27.8	32	-N				.57			
CULG	23	0418	0450	0426	S17	E61	.881	9128	27.8	32	-N	1	C		.83	1.68	2 2 2 2	
CRON	23	0423E	0432D	0426	S20	E63	.899	9128	27.9	90	-N				.80	.60		
CULG	23	0445	0510	0449	N16	W85	.997	9115	16.8	25	-N	1	C		.26			
CULG	23	0515	0518	0516	S11	E53	.802	9128	27.2	3	-N	1	C		.41	.68	6 3	
GRP11707	23	0535	0556	0539	N19	W83	.995	9115	17.0	21	-B				.92			
CULG	23	0534E	0605	0539	N22	W85	.998	9115	16.9	310	1B	1	C		1.24		2 2 2 1	
CRON	23	0536	0545	0539	N18	W78	.982	9115	17.4	9	-N				.60	1.80	I	
CULG	23	0555	0607	0557	N16	W90	1.000	9115	16.5	12	-N	1	C		.26			
GRP11708	23	0539	0558	0544	N16	W33	.604	9118	20.8	19	-N				.36			
CULG	23	0515	0605	0525	N21	W30	.605	9118	21.0	50	-N	1	C		.67	.85	2 2 2 1	
CRON	23	0539	0551	0543	N14	W34	.605	9118	20.7	12	-N				.10	.10	FL	
CULG	23	0539	0602	0545	N15	W33	.599	9118	20.8	23	-N	1	C		.62	.75		
CRON	23	0608	0618	0611	S28	W02	.441	9120	23.1	10	-N				.40	.40		
GRP11710	23	0620	0634	0621	N21	W24	.542	9118	21.5	14	-N				.79			
CRON	23	0617	0640	0620	N27	W20	.570	9118	21.8	23	-N				.50	.60	3 3 3 2	
CULG	23	0619	0635	0621	N27	W21	.577	9118	21.7	16	-B	2	C		.93	1.12	E	
ATHN	23	0620	0628	0621	N17	W23	.493	9118	21.5	8	-N	2		0621	.83	.90		
CRON	23	0620	0624	0621	N14	W34	.605	9118	20.7	4	-N				.10	.10		
GRP11711	23	0714	0720	0715	N16	W89	1.000	9115	16.6	6	-N				.24			
CULG	23	0714	0719	0715	N17	W88	1.000	9115	16.7	5	-N	1	C		.26		3 3 3 1	
CRON	23	0714E	0719D	0715U	N15	W90	1.000	9115	16.6	50	-N				.20	.80	I	
CAPE	23	0714	0721	0715	N16	W90	1.000	9115	16.6	7	-F			0715	.26			
CAPE	23	0714E	0721D	0715	N16	W90	1.000	9115	16.6	70	-F			0715	.26		H	
CAPE	23	0744	0803	0747	N14	W34	.605	9118	20.8	19	-N			0747	.95	1.20		
GRP11713	23	0747	0814	0749	N19	W83	.995	9115	17.1	27	-N				.29			
CAPE	23	0747	0815	0749	N18	W80	.988	9115	17.3	28	-N			0749	.26		2 2 2 2	
CULG	23	0747	0813	0749	N20	W85	.998	9115	16.9	26	-N	1	C		.31		K	
GRP11714	23	0836	0855	0850	N20	W88	1.000	9115	16.8	19	-N				.26			
CAPE	23	0823	0858	0828	N19	W90	1.000	9115	16.6	35	-N			0828	.43		3 3 3 2	
ATHN	23	0849	0853	0850	N13	W85	.997	9115	17.0	4	-N	2		0850	.17		K	
CATA	23	0850E	0855	0850	N27	W89	1.000	9115	16.7	50	-N			0850	.18			

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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 DEC																		
GRP11715	23	0904	0920	0905	N18	W79	.985	9115	17.5	16	-N							
CAPE	23	0903E	0920	0905	N18	W81	.990	9115	17.3	17D	-B	C	0905	.69			3 3 3 2	
CATA	23	0905	0915D	0905	N17	W78	.982	9115	17.5	10D	-N		0905	.87			V	
CAPS	23	0906E	0912D		N20	W78	.983	9115	17.5	6D	1N	1	0907	.20			176	
CATA	23	0910E	0915D	0910	S28	W02	.441	9120	23.2	5D	-N		0910	1.00			161	
														.37	.42		4	
GRP11717	23	0914	0923	0916	N14	W37	.642	9118	20.6	9	-N			.93				
CAPE	23	0911	0928	0917	N15	W37	.647	9118	20.6	17	1N	C	0917	3.02	4.00		4 4 4 2	
CANR	23	0913	0919	0914	N14	W35	.618	9118	20.8	6	-F	C		.30	.40		V	
CATA	23	0915	0920D	0915	N14	W36	.630	9118	20.7	5D	-N		0915	.21	.28		188	
ATHN	23	0917	0925	0918	N12	W39	.658	9118	20.5	8	-N	2	0918	.17	.26			
CAPE	23	0932	0939	0935	N16	W90	1.000	9115	16.6	7	-N		0935	.26			2	
CATA	23	1000E	1035	1000	S31	E00	.486	9120	23.4	35D	-N		1000	.31	.36		151	
CATA	23	1005	1010	1005	N16	W90	1.000	9115	16.7	5	-N		1005	.11			182	
GRP11721	23	1028	1035	1030	N18	W87	.999	9115	16.9	7	-N			.39			4 4 4 0	
CANR	23	1025	1032	1028	N20	W90	1.000	9115	16.7	7	-F	C		.20	.80			
CAPE	23	1027	1037	1031	N19	W83	.995	9115	17.2	10	-N	C	1031	.83			FJ	
ATHN	23	1028	1036	1029	N13	W85	.997	9115	17.1	8	-N	2	1029	.33				
CATA	23	1030	1035	1030	N18	W90	1.000	9115	16.7	5	-N		1030	.20			186	
CATA	23	1055	1100	1055	N26	W23	.583	9118	21.7	5	-N		1055	.48	.61		170	
CATA	23	1110	1115D	1110	N18	W34	.628	9118	20.9	5D	-N		1110	.31	.40		166	
GRP11724	23	1125	1136	1128	N22	W30	.613	9118	21.2	11	-F			.29			2 2 2 0	
CANR	23	1125	1132	1126	N23	W30	.621	9118	21.2	7	-F	C		.30	.40			
CATA	23	1130E	1140D	1130	N21	W30	.605	9118	21.2	10D	-N		1130	.27	.35		180	
CANR	23	1226	1230	1227	N14	E43	.713	9127	26.7	4	-F	C		.20	.30		1	
CANR	23	1228	1233	1229	S24	E59	.875	9128	27.9	5	-N	C		.20	.40		1	
GRP11727	23	1235	1253	1238	N18	W88	1.000	9115	16.9	18	-N			.41			4 4 4 0	
HTPR	23	1233	1248	1235	N17	W90	1.000	9115	16.8	15	-N	C	1235	.41				
CANR	23	1234	1252	1237	N18	W90	1.000	9115	16.8	18	-N	C		.40	1.40			
CAPE	23	1236E	1254	1241	N18	W85	.997	9115	17.1	18D	-N	C	1241	.52				
SANM	23	1238	1258	1240	N17	W85	.997	9115	17.2	20	-F	C	1240	.32				
CANR	23	1354	1400	1356	S16	E73	.957	9128	29.1	6	-F	C		.20	.50		3	
GRP11729	23	1358	1409	1358	N17	W89	1.000	9115	16.9	11	-F			.33			3 3 2 1	
CANR	23	1357	1407	1358	N18	W90	1.000	9115	16.8	10	-N	C		.40	1.40			
HUAN	23	1358	1411		N18	W88	1.000	9115	17.0	13	-F	1	1400	.25			DT	
MCMA	23	1400E	1410D		N15	W90	1.000	9115	16.8	10D	-F	C					D	
HUAN	23	1551	1602		N18	W90	1.000	9115	16.9	11	-F	1	1557	.31			3	
GRP11731	23	1640	1724	1652	N16	W85	.997	9115	17.3	44	-F			.28			2 2 2 3	
LOCK	23	1637	1735	1652	N14	W82	.992	9115	17.5	58	-F	C	1652	.30	1.00			
HUAN	23	1642	1713		N18	W88	1.000	9115	17.1	31	-N	1	1656	.25			D	
GRP11732	23	1757	1836	1809	S19	E25	.498	9124	25.6	39	-N			1.18			5 5 5 0	
SACP	23	1753	1835U	1810	S19	E25	.498	9124	25.6	42U	1N	C		2.90	2.99			
HALE	23	1753	1822D	1804	S20	E25	.506	9124	25.6	29D	-B	1	1804	.52	.60		G	
HUAN	23	1755	1843		S20	E26	.518	9124	25.7	48	-N	1	1810	.57	.59			
LOCK	23	1757	1840	1810	S18	E24	.478	9124	25.5	43	-F	C	1810	1.40	1.70			
HOUS	23	1806	1824	1810	S19	E24	.486	9124	25.6	18	-F	C		.50	.60		100	
HUAN	23	1810	1818		N18	W88	1.000	9115	17.2	8	-F	1	1813	.25			D	
BOUL	23	1907	1915	1910	N18	W80	.988	9115	17.8	8	-F	C		.10	.30		4	
GRP11735	23	1910	1922	1912	N13	E39	.662	9127	26.7	12	-N			1.15			5 5 5 0	
LOCK	23	1909	1920	1911	N14	E37	.642	9127	26.6	11	1N	C	1911	1.80	2.30			
SACP	23	1909	1926D	1912	N14	E38	.654	9127	26.6	17D	-N	C		1.80	2.05			
HUAN	23	1910	1916		N13	E39	.662	9127	26.7	6	-N	1	1911	.55	.61		E	
HOUS	23	1910	1917	1911	N13	E39	.662	9127	26.7	7	-F	C		.80	1.10		100	
BOUL	23	1911	1930	1913	N12	E41	.682	9127	26.9	19	-N	C		.80	1.10		H	

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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. %		
CANR	24	0951	1004	0954	S17	E42	.693	9128	27.6	13	-F	C		.20	.30				5	
GRP11754	24	1103	1110	1105	N23	W41	.733	9118	21.4	7	-F			.54					2 2 2 1	
CANR	24	1102	1108	1104	N24	W40	.728	9118	21.5	6	-F	C		.20	.30					
CAPE	24	1104	1111	1106	N22	W42	.737	9118	21.3	7	-F	C	1106	.87	1.30				J	
GRP11755	24	1146	1202	1148	N24	W44	.766	9118	21.2	16	-N			.54					2 2 2 0	
CANR	24	1145	1154	1146	N26	W44	.776	9118	21.2	9	-N	C		.30	.50					
CAPE	24	1146	1209	1149	N22	W44	.757	9118	21.2	23	-N	C	1149	.78	1.20				V	
CAPE	24	1150	1206	1156	S18	W32	.577	9125	22.1	16	-F	C	1156	.43	.50				1	
HUAN	24	1225E	1226E		S17	W32	.571	9125	22.1	10	-F	1 P	1226	.31	.33				E 3	
GRP11758	24	1227	1249	1232	S31	W11	.512	9120	23.7	22	-F			.62					4 4 4 0	
CANR	24	1225	1235D	1226	S32	W11	.526	9120	23.7	100	-F			.40	.50					
CAPE	24	1228	1249	1232	S31	W11	.512	9120	23.7	21	-N	C	1232	.78	.90					
SANM	24	1229	1248	1233	S31	W10	.507	9120	23.8	19	-F	C	1233	.65	.75				E	
CATA	24	1235E	1250	1235	S32	W10	.522	9120	23.8	15D	-F			.64	.76					
CATA	24	1235E	1250	1235	S31	W14	.528	9120	23.5	15D	-F			.20	.23				148 148	
CATA	24	1235E	1250	1235	S16	E39	.654	9128	27.4	15D	-F			.40	.54				145 3	
SANM	24	1321	1453	1345	S18	W32	.577	9125	22.2	92	-F	C	1345	.32	.39				2	
	24	1505	1510	NO FLARE PATROL																
	24	1525	1530	NO FLARE PATROL																
GRP11761	24	1616	1631	1619	S32	W14	.541	9120	23.6	15	-F	1 C	1620	.75					2 2 2 1	
HUAN	24	1615	1631		S32	W13	.536	9120	23.7	16	-F	1 C		.50	.52				E	
BOUL	24	1617	1630	1619	S31	W15	.534	9120	23.6	13	-N	C		1.00	1.20					
GRP11762	24	1719	1737	1724	S22	E46	.754	9128	28.2	18	-F			.63					3 3 3 0	
BOUL	24	1719	1733	1724	S25	E47	.775	9128	28.2	14	-N	C		.40	.60					
LOCK	24	1719	1740	1723	S18	E46	.741	9128	28.2	21	-F	C	1723	1.00	1.50					
HUAN	24	1719E	1728E		S23	E46	.758	9128	28.2	9D	-F	1 P	1723	.50	.61				E	
LOCK	24	1820	1832	1823	N19	W55	.848	9118	20.6	12	-N	C	1823	.80	1.40				1	
HUAN	24	1833E	1859		S17	W35	.609	9125	22.1	26D	-F	1 C	1845	.21	.23				D 2	
GRP11765	24	1938	1954	1942	S29	W23	.570	9120	23.1	16	-N			1.16					2 2 2 0	
LOCK	24	1938	1953	1942	S29	W23	.570	9120	23.1	15	1N	C	1942	1.80	2.20					
HUAN	24	1946E	1954E		S29	W22	.562	9120	23.2	8D	-N	1 P	1949	.52	.55				E	
GRP11766	24	2341	0005	2347	N21	W50	.809	9118	21.2	24	-N			1.27					4 4 4 0	
CULG	24	2335	0015	2345	N22	W48	.795	9118	21.4	40	-B	2 C		.93	1.53				L	
LOCK	24	2340	2345D	2345D	N20	W51	.815	9118	21.2	5D	1N	C	2345	2.30	3.90					
CRON	24	2342	2355	2347	N22	W49	.804	9118	21.3	13	-N	C		.80	1.30				E	
MANI	24	2346	0005	2350	N20	W52	.824	9118	21.1	19	-N	1 C	2350	1.03	1.81					
GRP11767	24	2349	0016	2358	S32	W18	.566	9120	23.6	27	-N			.90					4 4 4 0	
CULG	24	2346	0022	0000	S32	W19	.572	9120	23.6	36	-N	2 C		.62	.72					
CRON	24	2352	0012	2355	S32	W17	.559	9120	23.7	20	-N	C		.60	.70					
MANI	25	0000E	0015		S30	W16	.526	9120	23.8	15D	-N	1 C	0001	.93	1.10					
MITK	25	0002E	0015		S33	W18	.576	9120	23.7	13D	-N	C	0002	1.44	1.80				EG	
CULG	25	0017	0029	0020	S19	E52	.805	9128	28.9	12	-F	1 C		.72	1.19				L 3	
GRP11769	25	0035	0043	0039	S23	W23	.508	9120	23.3	8	-F			.34					2 2 2 1	
CULG	25	0035	0042	0040	S23	W22	.497	9120	23.4	7	-F	1 C		.57	.63					
CRON	25	0035	0043	0038	S23	W23	.508	9120	23.3	8	-N	C		.10	.10					
GRP11770	25	0157	0209	0200	S20	E52	.807	9128	29.0	12	-N			.41					2 2 2 1	
CULG	25	0156	0211	0200	S19	E52	.805	9128	29.0	15	-N	1 C		.52	.85					
CRON	25	0158	0207	0200	S20	E51	.797	9128	28.9	9	-N	C		.30	.50					
GRP11771	25	0208	0231	0215	N23	W51	.826	9118	21.3	23	-F			.74					2 2 2 1	
CULG	25	0207	0225	0214	N23	W50	.817	9118	21.3	18	-F	1 C		.67	1.09				L	
CRON	25	0209	0237	0215	N23	W52	.834	9118	21.2	28	-F	C		.80	1.40					
GRP11772	25	0256	0315	0301	N28	W45	.795	9118	21.7	19	-N			.51					2 2 2 2	
CULG	25	0255	0319	0300	N28	W44	.787	9118	21.8	24	-N	1 C		.52	.80					
CRON	25	0257	0310	0301	N28	W46	.803	9118	21.7	13	-N	C		.50	.80					
CRON	25	0339	0351	0343	N25	W25	.593	9118	23.3	12	-N	C		.10	.10				H 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	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H ₀		MAX. INT. %
CAPE	1967 DEC 27	1346	1352	1348	S15	W03	.227	9128	27.3	6	-N	C	1348	1.68	1.7 $\bar{0}$		T 2	
GRP11871	27	1409	1432	1413	S15	W03	.227	9128	27.4	23	-N	C		1.74			5 4 4 0	
CAPE	27	1408	1434D	1411	S15	W03	.227	9128	27.4	26D	1N	C	1411	2.63	2.7 $\bar{0}$		FT	
SANM	27	1408	1530	1416	S12	W03	.177	9128	27.4	82	-F	C	1416	1.29	1.33		EIU	
HTPR	27	1410	1430	1412	S16	W03	.243	9128	27.4	20	-N	C	1412	1.65	1.8 $\bar{0}$			
ATHN	27	1411E	1415D	1411	S17	W02	.257	9128	27.4	4D	-N	1	1414	1.38	1.5 $\bar{0}$			
SACP	27	1453E	1511	1507	S17	E00	.255	9128	27.6	18D	-N	C		.40	.4 $\bar{0}$			
CAPE	27	1420	1425	1422	S14	E50	.774	9132	31.3	5	-F	C	1422	.43	.7 $\bar{0}$		CH 1	
	27	1555	1600	NO FLARE PATROL														
GRP11873	27	1652	1705	1659	S15	W05	.237	9128	27.3	13	-N	C		1.13			3 3 3 1	
SACP	27	1652	1706	1659	S15	W04	.231	9128	27.4	14	-N	C		1.82	1.78			
LOCK	27	1652	1700D	1700	S15	W06	.243	9128	27.3	8D	-F	C	1700	.80	.8 $\bar{0}$		E	
MCMA	27	1653	1703	1657	S15	W05	.237	9128	27.3	10	-N	C	1657	.77	.8 $\bar{0}$			
LOCK	27	1800	1812	1803	S24	E01	.371	9128	27.8	12	-N	C	1803	.50	.6 $\bar{0}$		4	
GRP11875	27	1905	1911	1906	S09	E56	.83 $\bar{0}$	9132	1.0	6	-N	C		.33			2 2 2 2	
LOCK	27	1904	1909	1905	S08	E56	.829	9132	1.0	5	-F	C	1905	.50	.9 $\bar{0}$			
HALE	27	1905	1912	1906	S10	E56	.83 $\bar{0}$	9132	1.0	7	-B	2	C	1906	.15	.3 $\bar{0}$		
HALE	27	1921	1939	1924	S16	W10	.291	9128	27.1	18	-N	1	C	1924	.46	.5 $\bar{0}$		E 3
GRP11877	27	1942	2049	1948	S17	W09	.296	9128	27.1	67	1B	C		3.13			3 3 3 1	
LOCK	27	1941	2100	1947	S16	W09	.282	9128	27.1	79	1B	C					K	
LOCK	27	1941	2100	2008	S16	W09	.282	9128	27.1	79	1B	C	2008	3.60	4.0 $\bar{0}$		K	
HALE	27	1943	2055	1948	S16	W10	.291	9128	27.1	72	1B	1	C	1948	2.17	2.3 $\bar{0}$		E
SACP	27	1949E	2031	1949U	S18	W09	.31 $\bar{0}$	9128	27.2	42D	1N	C		3.61	3.56			
GRP11878	27	2039	2055	2042	S11	E52	.791	9132	31.8	16	-N	C		1.02			3 3 3 0	
SACP	27	2038	2047	2042	S10	E53	.801	9132	31.8	9	1N	C		1.83	2.4 $\bar{0}$			
LOCK	27	2038	2053	2041	S12	E52	.793	9132	31.8	15	-N	0	C	2041	.70	1.2 $\bar{0}$		H
HALE	27	2041	2105	2042	S11	E52	.791	9132	31.8	24	-B	2	C	2042	.52	.8 $\bar{0}$		
GRP11879	27	2128	2200	2129	S24	W04	.376	9128	27.6	32	-N	C		.98			3 3 3 0	
LOCK	27	2127	2200	2128	S24	W05	.379	9128	27.5	33	-B	C	2128	1.10	1.2 $\bar{0}$			
SACP	27	2127	2148	2129	S25	W04	.392	9128	27.6	21	-N	C		1.21	1.21			
HALE	27	2129	2212	2130	S24	W04	.376	9128	27.6	43	-N	1	C	2130	.62	.7 $\bar{0}$		E
GRP11880	27	2140	2151	2143	S14	E57	.843	9132	1.2	11	-F	C		.59			2 2 2 1	
SACP	27	2139	2148	2142	S15	E59	.862	9132	1.3	9	-F	C		.81	1.19			
HALE	27	2141	2154	2144	S15	E59	.862	9132	1.3	13	-N	2	C	2144	.36	.7 $\bar{0}$		
SACP	27	2153	2229	2213	S11	E51	.781	9132	31.7	36	-F	C		.61	.78			
GRP11881	27	2200	2221	2203	S16	W11	.301	9128	27.1	21	-N	C		1.03			3 3 3 0	
SACP	27	2157	2224	2200	S18	W11	.327	9128	27.1	27	-N	C		1.62	1.6 $\bar{0}$			
LOCK	27	2158	2215	2205	S17	W13	.334	9128	26.9	17	-N	C	2205	.90	1.0 $\bar{0}$		K	
LOCK	27	2158	2215	2200	S17	W13	.334	9128	26.9	17	-N	C					K	
HALE	27	2159	2214	2200	S18	W11	.327	9128	27.1	15	-B	1	C	2200	.57	.6 $\bar{0}$		
SACP	27	2202	2232	2204	S15	W09	.268	9128	27.2	30	-N	C		.91	.89			
HALE	27	2203	2225	2206	S14	W08	.245	9128	27.3	22	-N	1	C	2206	.26	.3 $\bar{0}$		
GRP11882	27	2212	2228	2221	S23	W03	.358	9128	27.7	16	-B	C		1.15			4 4 4 0	
SACP	27	2209	2228	2220	S25	W01	.387	9128	27.8	19	-N	C		2.02	2.0 $\bar{0}$			
LOCK	27	2210	2229	2220	S24	W02	.372	9128	27.8	19	-B	C	2220	1.20	1.3 $\bar{0}$			
HALE	27	2211	2229	2225	S23	W01	.355	9128	27.8	18	-B	1	C	2225	.77	.8 $\bar{0}$		
CRON	27	2216	2225	2219	S24	W02	.372	9128	27.8	9	-N	C		.60	.6 $\bar{0}$			
LOCK	27	2231	2245	2235	S18	W12	.337	9128	27.0	14	-F	C	2235	.50	.6 $\bar{0}$			
CRON	27	2244	2251D	2247	S13	E50	.773	9132	31.7	7D	-N	C		.30	.5 $\bar{0}$		L 3	
GRP11884	27	2301	2321	2308	S17	W09	.296	9128	27.3	20	-N	C		1.49			4 4 4 1	
SACP	27	2258	2320	2302	S18	W08	.302	9128	27.4	22	-N	C		1.52	1.5 $\bar{0}$			
LOCK	27	2258	2330	2309	S17	W10	.305	9128	27.2	32	-F	C	2309	1.40	1.5 $\bar{0}$			
HALE	27	2259	2318	2310	S17	W08	.288	9128	27.4	19	-N	1	C	2310	1.34	1.4 $\bar{0}$		
CRON	27	2307	2315	2310	S16	W11	.301	9128	27.1	8	-N	C		1.70	1.8 $\bar{0}$		E	
GRP11885	27	2339	2350	2342	S16	W10	.291	9128	27.2	11	-N	C		.49			3 3 3 1	
CRON	27	2338	2346	2342	S16	W10	.291	9128	27.2	8	-N	C		.50	.5 $\bar{0}$			
HALE	27	2339	2353	2342	S15	W09	.268	9128	27.3	14	-N	2	C	2342	.46	.5 $\bar{0}$		
LOCK	27	2339	2345D	2342	S17	W10	.305	9128	27.2	6D	-F	C	2342	.50	.6 $\bar{0}$			

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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	MGMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg		MAX. INT. %
					LAT.	MER. DIST.												
	1967 DEC																	
GRP11886	28	0005	0027	0014	S17	W10	.301	9128	27.3	22	-N							
HALE	28	0004E	0039	0014	S18	W11	.324	9128	27.2	35D	-B	1	P	0014	.71	.80		3 3 3 1
CRON	28	0005	0012	0006	S16	W14	.330	9128	27.0	7	-N		C		.72	.20		FIT
CRON	28	0007	0037	0014	S18	W14	.354	9128	27.0	30	-N		C		.20	.20		
CRON	28	0009	0015	0010	S15	W09	.264	9128	27.3	6	-N		C		.90	1.00		
CRON	28	0009	0015	0010	S15	W12	.296	9128	27.1	6	-N		C		.30	.30		
MANI	28	0010E	0012D		S18	W07	.292	9128	27.5	20	-N	1	C	0011	.20	.20		
HALE	28	0050	0106	0051	S18	W11	.324	9128	27.2	16	-N	1	C	0051	.52	.54		
HALE	28	0119	0154	0122	S11	E51	.780	9132	31.9	35	-N	1	C	0122	.31	.30		3
HALE	28	0218	0230	0220	S21	W44	.727	9124	24.8	12	-N	1	C	0220	.41	.70		JL 1
GRP11890	28	0218	0257	0223	S18	W13	.343	9128	27.1	39	1B				.21	.30		
CRON	28	0218	0250	0222	S18	W14	.354	9128	27.0	32	1B		C		2.49			2 2 2 1
HALE	28	0218	0304	0223	S17	W12	.320	9128	27.2	46	1B	2	C	0223	2.30	2.50		F
CRON	28	0234	0245	0236	S18	W47	.750	9124	24.6	11	-F		C		2.68	2.80		
HALE	28	0303	0311	0305	S25	E50	.800	9133	31.9	8	-B	2	C	0305	.50	.80		2
HALE	28	0324	0340D	0327	S22	E01	.334	9128	28.2	16D	-B	1	P	0327	.21	.30		F 3
HALE	28	0330	0345D	0336	S17	W07	.276	9128	27.6	15D	-B	1	P	0336	.21	.20		E 1
CRON	28	0508	0517	0511	S26	W06	.410	9128	27.8	9	-N		C		.10	.10		2
GRP11896	28	0545	0610	0551	S17	E55	.828	9132	1.4	25	1N				.50	.50		
CRON	28	0545	0610	0549	S17	E54	.819	9132	1.3	25	1N		C		1.83			2 2 2 0
MANI	28	0550E	0606D	0553	S17	E56	.837	9132	1.4	16D	1N	2	C	0553	2.10	3.60		
CRON	28	0614	0635	0620	S28	E53	.834	9133	1.2	21	-N		C		1.55	2.67		1
GRP11898	28	0645	0701	0649	S19	W49	.773	9124	24.6	16	-N				.20	.40		
CRON	28	0643	0700	0649	S18	W49	.771	9124	24.6	17	-N		C		.68			2 2 2 1
CAPE	28	0646	0702	0649	S19	W49	.773	9124	24.6	16	-N		C	0649	.70	1.10		
CAPE	28	0724	0729D		S19	W49	.773	9124	24.6	5D	-N		P	0724	.65	1.00		0
ATHN	28	0735	0741	0737	S19	W19	.420	9128	26.9	6	-N	2		0737	.43	.70		4
ATHN	28	0748	0757	0749	S19	W19	.420	9128	26.9	9	-N	2		0749	.93	.90		4
ATHN	28	0835	0843	0837	S13	E47	.739	9132	31.9	8	-N	2		0837	.17	.30		8
GRP11903	28	0856	0901	0858	S26	W08	.418	9128	27.8	5	-N				.82			3 3 3 5
CAPE	28	0855	0901	0858	S25	W08	.403	9128	27.8	6	-N		C	0858	1.25	1.30		VH
CRON	28	0856	0901	0857	S25	W09	.409	9128	27.7	5	-N		C		.70	.80		
ATHN	28	0857	0901	0858	S27	W08	.433	9128	27.8	4	-N	2		0858	.50	.50		
ATHN	28	0927E	0943D	0928	S27	E55	.848	9133	1.5	16D	-N	2		0928	.17	.30		5
GRP11905	28	0947	0953	0949	S18	W19	.410	9128	27.0	6	-N				.96			6 6 6 4
ATHN	28	0944	0955	0951	S21	W20	.452	9128	26.9	11	-B	2		0951	.99	1.00		
HTRP	28	0947	0952	0948	S18	W19	.410	9128	27.0	5	-N		C	0948	.72	.80		
KIEV	28	0947E	0952D	0948	S18	W19	.410	9128	27.0	5D	1N		C	0948	1.55	2.00		65 DI
CRON	28	0947	0953	0950	S18	W19	.410	9128	27.0	6	-N		C		1.00	1.10		
CAPE	28	0948	0953	0949	S17	W19	.401	9128	27.0	5	-B		C	0949	.73	.80		
ARCE	28	0950E	0951		S18	W19	.410	9128	27.0	1D	-N		C	0950	.74	.80		
GRP11906	28	1030	1042	1033	S14	E47	.741	9132	1.0	12	-F				.67			4 4 3 4
CAPE	28	1029	1038	1032	S14	E47	.741	9132	1.0	9	-N		C	1032	.60	.90		
ABST	28	1030	1045	1031	S14	E46	.730	9132	31.9	15	-F		C	1031	.90	1.34		49 D
ONDR	28	1030E	1037D		S16	E47	.745	9132	1.0	7D	-F		V	1033				CD
ATHN	28	1031	1043	1035	S13	E49	.761	9132	1.1	12	-N	3		1035	.50	.80		1.80
GRP11907	28	1124	1137	1126	S26	W69	.940	9120	23.3	13	-N				.32			2 2 2 3
HTRP	28	1122	1132	1125	S27	W70	.946	9120	23.2	10	-N		C	1125	.31			E
ATHN	28	1126	1142	1126	S25	W67	.928	9120	23.5	16	-N	3		1126	.33			
CAPE	28	1156	1208	1159	S18	W13	.343	9128	27.5	12	-N		C	1159	.87	.90		3
CAPE	28	1213	1225	1219	S14	E46	.730	9132	1.0	12	-F		C	1219	.43	.60		2
CAPE	28	1236	1243	1238	S14	E46	.730	9132	1.0	7	-N		C	1238	.43	.60		3
CAPE	28	1244	1308	1258	S29	E51	.821	9133	1.4	24	1N		C	1258	1.56	2.70		2

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. 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 DEC																	
CAPE	28	1306	1311	1308	S14	E45	.718	9132	31.9	5	-F	C	1308	.73	1.10		3	
HTPR	28	1310	1312	1311	S18	W18	.399	9128	27.2	2	1N	C	1311	2.99	3.20		C 4	
CAPE	28	1324	1335	1328	S15	E46	.732	9132	1.0	11	-F	C	1328	1.25	1.80		2	
CAPE	28	1337	1350	1341	S28	E50	.809	9133	1.3	13	-F	C	1341	.30	.50		3	
GRP11916	28	1339	1419	1343	S19	W22	.456	9128	26.9	40	-N			1.13			2 2 2 3	
ATHN	28	1338	1448D	1343	S21	W21	.463	9128	27.0	70D	-N	3	1343	1.82	2.00			
CAPE	28	1339	1350	1343	S16	W22	.431	9128	26.9	11	-N	C	1343	.43	.50			
GRP11917	28	1340	1523	1421	S21	W19	.441	9128	27.1	103	1N			3.40			7 5 5 0	
SANM	28	1335	1533	1405	S20	W20	.442	9128	27.1	118	1N			2.59	2.83		F	
CAPS	28	1335	1418D		S21	W18	.430	9128	27.2	430	1N	1	C	1415	3.60	4.00		190
CAPE	28	1339	1431D	1418	S20	W18	.419	9128	27.2	52D	2N		C	1418	6.19	6.80		F
MONT	28	1350	1500	1410	S22	W20	.462	9128	27.1	70	1B		C	1410	2.58			
MCMA	28	1410E	1535		S20	W18	.419	9128	27.2	85D	1B		C	1411	2.06	2.30		EF
SACP	28	1424E	1545	1452	S22	W20	.462	9128	27.1	81D	1N		C		2.52	2.57		
HUAN	28	1425E	1533		S21	W19	.441	9128	27.2	68D	1N	1	P	1434	3.76	3.84		
SACP	28	1440	1524	1514	S16	W16	.354	9128	27.4	44	-N	C		1.51	1.50			
CAPE	28	1413	1421	1414	S14	E45	.718	9132	1.0	8	-F	C	1414	.43	.60		4	
CAPE	28	1422	1431D	1429	S28	E49	.801	9133	1.3	9D	-F	P	1429	.43	.70		6	
GRP11920	28	1449	1518	1512	S20	W54	.824	9124	24.6	29	-F			.25			2 1 1 2	
HUAN	28	1449E	1518		S18	W55	.830	9124	24.5	29D	-F	1	C	1450	.25	.39		CD
MCMA	28	1508	1517	1512	S21	W53	.817	9124	24.7	9	-F	C	1512	.31	.60		D	
GRP11921	28	1549	1557	1551	S15	E46	.732	9132	1.1	8	-F			.28			2 2 2 1	
HUAN	28	1548	1559	1550	S14	E44	.706	9132	1.0	11	-F	2	C	1550	.25	.29		D
MCMA	28	1549	1554	1551	S15	E47	.743	9132	1.2	5	-F	C	1551	.31	.40		D	
GRP11922	28	1550	1603	1555	S19	W16	.387	9128	27.5	13	-N			.90			3 3 3 0	
SACP	28	1548	1605	1555	S19	W15	.376	9128	27.5	17	-N			1.30	1.30			
HUAN	28	1551	1603	1554	S19	W16	.387	9128	27.5	12	-N	2	C	1554	1.00	1.00		
MCMA	28	1552	1602	1555	S18	W18	.399	9128	27.3	10	-N	C	1555	.41	.50		E	
SACP	28	1629	1635	1632	S19	W16	.387	9128	27.5	6	-N	C		.60	.60		2	
GRP11924	28	1629	1658	1640	S14	E46	.730	9132	1.1	29	-F			.69			3 3 3 1	
MCMA	28	1625	1631D	1626	S16	E52	.798	9132	1.6	60	-F	P	1626	.26	.40		DH	
SACP	28	1628	1659	1640	S12	E42	.678	9132	31.8	31	-N	C		1.31	1.50			
LOCK	28	1633	1657	1640	S15	E44	.709	9132	1.0	24	-F	C	1640	.50	.70			
LOCK	28	1649	1703	1653	S24	E05	.375	9128	29.1	14	-F	C	1653	.50	.60		3	
GRP11926	28	1652	1718	1704	S12	E41	.665	9132	31.8	26	-F			.64			3 3 3 1	
MCMA	28	1642	1706		S14	E45	.718	9132	1.1	24	-F	C	1702	.52	.70		EH	
LOCK	28	1655	1740	1703	S12	E39	.640	9132	31.6	45	-F	C	1703	.80	1.00		H	
SACP	28	1659	1708	1704	S11	E38	.624	9132	31.6	9	-F	C		.60	.67			
GRP11927	28	1755	1806	1800	S12	E40	.653	9132	31.7	11	-N			.67			5 5 4 1	
SACP	28	1752	1810	1801	S11	E38	.624	9132	31.6	18	-N	C		1.01	1.11			
HALE	28	1755	1810	1800	S12	E38	.627	9132	31.6	15	-B	2	C	1800	.72	.90		FHIJ
LOCK	28	1756	1858	1800	S10	E40	.648	9132	31.7	62	-F	C					HK	
MCMA	28	1758	1801		S13	E43	.692	9132	1.0	3	-N	P	1801	.41	.60		EH	
HUAN	28	1759E	1802E		S12	E40	.653	9132	31.7	3D	-F	1	P	1759	.55	.61		CE
GRP11928	28	1823	1841	1828	S11	E39	.637	9132	31.7	18	-N			.48			6 6 6 0	
LOCK	28	1756	1858	1830	S10	E40	.648	9132	31.7	62	-F	C	1830	.90	1.20		HK	
SACP	28	1818	1844	1826	S11	E39	.637	9132	31.7	26	-N	C		.70	.78			
HALE	28	1823	1839	1828	S11	E38	.624	9132	31.6	16	-B	2	C	1828	.41	.50		HJ
MCMA	28	1823	1836	1827	S13	E42	.680	9132	31.9	13	-N	C	1827	.31	.40		DH	
HOU5	28	1824	1837	1827	S11	E37	.611	9132	31.5	13	-F	C		.20	.30		H	
HUAN	28	1825	1834		S12	E39	.640	9132	31.7	9	-N	1	C	1827	.35	.35		DH
SACP	28	1838	1852	1846	S19	W17	.398	9128	27.5	14	-N	C		.51	.50		5	
GRP11930	28	1859	1913	1902	S11	E39	.637	9132	31.7	14	-N			.61			5 5 5 0	
SACP	28	1858	1911	1905	S11	E39	.637	9132	31.7	13	-N	C		.90	1.00			
LOCK	28	1858	1930	1902	S10	E40	.648	9132	31.8	32	-F	C	1902	.90	1.20		H	
HOU5	28	1858	1906	1901	S11	E37	.611	9132	31.6	8	-F	C		.50	.60		H	
MCMA	28	1859	1906	1901	S13	E42	.680	9132	31.9	7	-N	C	1901	.36	.50		EH	
HALE	28	1900	1910	1903	S10	E38	.622	9132	31.6	10	-N	1	C	1903	.41	.50		HJ
SACP	28	2000	2020	2005	S10	E38	.622	9132	31.7	20	-F	C		1.10	1.22		3	

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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	
1967 DEC																	
GRP11944	29	0236	0323	0308	S12	E33	.559	9132	31.6	47	-B						2 2 2 2
HALE	29	0236E	0325D		S10	E33	.553	9132	31.6	49D	-B	2	P	0318	.98	2.00	
CRON	29	0302	0321	0308	S13	E33	.563	9132	31.6	19	-N		C		.30	.40	HI
GRP11945	29	0243	0255	0247	S19	W22	.455	9128	27.5	12	-N				1.43		3 3 3 2
CRON	29	0242	0254	0246	S18	W22	.446	9128	27.5	12	-N		C		1.30	1.50	
HALE	29	0243	0256D	0248	S19	W20	.431	9128	27.6	13D	-B	2	P	0248	1.55	1.70	F
MITK	29	0243	0254	0247	S19	W21	.443	9128	27.5	11	-N		C	0247	.93	1.00	E
CRON	29	0247	0257	0249	S22	W29	.562	9128	26.9	10	-F		C		.50	.60	
CRON	29	0423	0441	0427	S13	E33	.563	9132	31.7	18	-N		C		.30	.40	HI 2
GRP11947	29	0452	0512	0459	S12	E33	.559	9132	31.7	20	-N				1.14		2 2 2 1
CRON	29	0452	0510	0455	S12	E32	.545	9132	31.6	18	-N		C		1.60	1.90	HI
CULG	29	0501E	0513	0503	S11	E32	.542	9132	31.6	12D	-N	1	P		.67	.78	H
CRON	29	0502	0509	0504	S12	E34	.573	9132	31.8	7	-F		C		.20	.20	H
GRP11948	29	0635	0650	0640	S16	W27	.496	9128	27.2	15	-N				.69		2 2 2 1
CULG	29	0632	0652	0640	S15	W27	.490	9128	27.2	20	-N	2	P		.67	.75	
CRON	29	0637	0647	0640	S16	W27	.496	9128	27.3	10	-N		C		.70	.80	I
GRP11949	29	0641	0702	0646	S15	E31	.544	9132	31.6	21	-N				1.02		2 2 2 1
CRON	29	0641	0700	0643	S15	E32	.558	9132	31.7	19	-N		C		1.10	1.30	E
CULG	29	0641E	0703D	0649	S14	E30	.526	9132	31.5	22D	-N	2	C		.93	1.08	L
GRP11950	29	0705	0717	0708	S11	E33	.556	9132	31.8	12	-N				1.01		4 4 4 0
CRON	29	0700	0705	0702	S13	E36	.603	9132	1.0	5	-N		C		.30	.40	
CULG	29	0701	0704D	0702	S11	E36	.597	9132	1.0	3D	-N	2	P		.52	.63	
CAPE	29	0705	0718	0710	S11	E31	.528	9132	31.6	13	1B		C	0710	1.94	2.30	HTV
CRON	29	0705	0717	0710	S12	E32	.545	9132	31.7	12	-N		C		.90	1.10	HI
ATHN	29	0707	0717	0709	S09	E32	.537	9132	31.7	10	-N	2		0709	.66	.80	
CAPE	29	0717	0729	0722	S18	W24	.471	9128	27.5	12	-N		C	0722	.87	1.00	3
CAPE	29	0735	0800	0741	S15	E31	.544	9132	31.6	25	-N		C	0741	.95	1.10	T 2
GRP11953	29	0823	0849	0828	S13	E30	.522	9132	31.6	26	-N				.73		3 3 3 5
CAPE	29	0822	0837	0825	S13	E30	.522	9132	31.6	15	-N		C	0825	.95	1.10	FTH
CRON	29	0824	0853	0825	S13	E29	.508	9132	31.5	29	-N		C		.30	.30	
CAPE	29	0824	0840	0830	S14	E35	.593	9132	1.0	16	1N		C	0830	1.68	2.10	T
CATA	29	0830E	0855	0830	S14	E30	.526	9132	31.6	25D	-N		C	0830	.21	.25	182
GRP11954	29	0839	0853	0844	S12	E30	.517	9132	31.6	14	-F				.22		2 2 2 6
CANR	29	0837	0850	0842	S12	E30	.517	9132	31.6	13	-F		C		.20	.20	
CATA	29	0840	0855	0845	S11	E30	.514	9132	31.6	15	-N		C	0845	.23	.27	184
GRP11955	29	0845	0900	0845	S17	W31	.554	9128	27.0	15	-N				.39		1 1 1 7
CATA	29	0845	0900	0845	S17	W31	.554	9128	27.0	15	-N		C	0845	.39	.47	164
CATA	29	0845	0900	0845	S16	W27	.496	9128	27.3	15	-N		C	0845	.23	.27	160
CAPE	29	0927	1020	0941	S27	W74	.964	9120	23.8	53	1N		C	0941	1.12		F 7
GRP11957	29	0932	1001	0940	S16	W26	.483	9128	27.4	29	-N				1.80		5 5 5 3
CATA	29	0905	0955D	0920	S16	W28	.510	9128	27.3	50D	-N		C	0920	1.49	1.74	176
CATA	29	0920	0935	0920	S17	W23	.451	9128	27.7	15	-N		C	0920	.39	.44	158
CAPE	29	0927	1000	0938	S15	W28	.504	9128	27.3	33	1N		C	0938	3.63	4.20	F
CAPS	29	0930E	1015D		S15	W26	.477	9128	27.4	45D	1F	2	C	0937	2.00	2.30	158
CRON	29	0934	1001	0946	S17	W27	.503	9128	27.4	27	-N		C		1.40	1.60	I
CANR	29	0934	0954	0940	S15	W26	.477	9128	27.4	20	-F		C		.50	.60	
CATA	29	0935	0955D	0935	S16	W24	.456	9128	27.6	20D	-N		C	0935	.94	1.06	176
GRP11958	29	0956	1012	0959	S13	E34	.576	9132	1.0	16	-F				.88		2 2 2 4
CAPE	29	0938	0954	0938	S11	E30	.514	9132	31.7	16	-N		C	0938	.87	1.00	T
CAPE	29	0951	1001	0955	S15	E27	.490	9132	31.4	10	-F		C	0955	.95	1.10	
CAPE	29	0959	1009	1002	S14	E39	.645	9132	1.3	10	-F		C	1002	.69	.90	
CANR	29	1000	1014	1003	S14	E37	.619	9132	1.2	14	-F		C		.80	1.00	
GRP11959	29	0956	1017	1005	S21	W27	.531	9128	27.4	21	-F				.77		2 2 2 3
CAPE	29	0948	1016	1001	S24	W24	.523	9128	27.6	28	-F		C	1001	1.04	1.20	F
CANR	29	1004	1018	1008	S17	W30	.542	9128	27.2	14	-F		C		.50	.60	
GRP11960	29	1028	1036	1030	S15	W30	.531	9128	27.2	8	-N				.94		2 2 2 4
CAPE	29	1028	1039	1030	S14	W30	.526	9128	27.2	11	-N		C		1.18	1.40	
CRON	29	1028	1033	1030	S15	W30	.531	9128	27.2	5	-N		C		.70	.80	
GRP11961	29	1040	1058	1046	S11	E29	.499	9132	31.6	18	-N				.60		2 2 2 3
CAPE	29	1039	1100	1048	S11	E29	.499	9132	31.6	21	-B		C	1048	.99	1.10	JTH
CANR	29	1040	1055	1044	S11	E29	.499	9132	31.6	15	-F		C		.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. 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. %			
GRP11962	29 1967 DEC	1057	1111	1100	S15	W17	.356	9128	28.2	14	-N										
CAPE	29	1055	1121	1101	S14	W18	.360	9128	28.1	26	-B	C	1101	1.58	1.40					5 5 5 1	
MONT	29	1057	1102D	1100	S14	W15	.320	9128	28.3	5D	1N	C	1100	2.58						HV	
CANR	29	1058	1104	1100	S15	W17	.356	9128	28.2	6	-N	C		.80	.90						
ABST	29	1059	1113	1100	S16	W17	.365	9128	28.2	14	1N	C	1100	2.25	2.43					55	
HUAN	29	1100E	1104E		S15	W17	.356	9128	28.2	4D	-N	1 P	1100	.95	.95					EJ	
GRP11963	29	1120	1137	1122	S16	W28	.510	9128	27.4	17	-N			1.85							
HUAN	29	1120	1138	1123	S15	W28	.504	9128	27.4	18	-B	2 C	1123	1.55	1.60					7 7 7 0	
ATHN	29	1120	1134D	1124	S19	W30	.553	9128	27.2	14D	1N	1 C	1124	1.98	2.20						
CAPE	29	1120	1130	1122	S14	W29	.512	9128	27.3	10	1B	C	1122	2.07	2.40					KT	
CANR	29	1120	1130	1121	S17	W28	.516	9128	27.4	10	-N	C		.90	1.00					E	
ABST	29	1121	1136	1122	S16	W28	.510	9128	27.4	15	1B	C	1122	3.33	3.90					74	
CAPS	29	1125E	1138D		S15	W26	.477	9128	27.5	13D	-N	3 C	1128	1.60	1.90					185	
MONT	29	1131E	1155		S16	W28	.510	9128	27.4	24D	-N	C	1131	1.55						C	
GRP11964	29	1150	1222	1158	S14	E31	.540	9132	31.8	32	1N			2.19						5 5 5 1	
CAPE	29	1144	1223	1155	S14	E30	.526	9132	31.7	39	2N		1155	4.59	5.30						
CAPE	29	1144	1223	1149	S14	E30	.526	9132	31.7	39	1N	C	1149	3.28	3.80					FKT	
CAPE	29	1144	1223	1200	S14	E30	.526	9132	31.7	39	1N	C	1200	2.63	3.10						
HUAN	29	1145	1220		S15	E32	.558	9132	31.9	35	-N	2 C	1201	1.13	1.19					E	
CATA	29	1150	1235	1200	S14	E33	.567	9132	1.0	45	1B	C	1200	1.74	2.13					226	
CATA	29	1150	1235	1200	S14	E29	.512	9132	31.7	45	-N	C	1200	1.37	1.63					190	
CATA	29	1150	1230	1150	S15	E27	.490	9132	31.5	40	-N	C	1150	1.13	1.30					151	
CATA	29	1150	1225	1150	S12	E28	.489	9132	31.6	35	-N	C	1150	.92	1.06					162	
CAPS	29	1155	1227		S12	E32	.545	9132	31.9	32	1B	2 C	1201	2.20	2.60					220	
CANR	29	1155	1215	1159	S16	E32	.562	9132	31.9	20	-F	C		1.30	1.60					F	
GRP11965	29	1253	1312	1301	S09	E26	.448	9132	31.5	19	-F			.57							
SANM	29	1252	1314	1307	S04	E18	.309	9132	30.9	22	-F	C	1307	.65	.74					4 4 4 1	
CANR	29	1252	1305	1255	S10	E29	.496	9132	31.7	13	-F	C		.30	.30					D	
HUAN	29	1253	1312	1304	S11	E28	.485	9132	31.6	19	-F	2 C	1304	.25	.25					H	
CAPE	29	1255	1318	1259	S11	E28	.485	9132	31.6	23	-N	C	1259	1.08	1.20					DH	
																				HT	
CANR	29	1339	1346	1341U	S11	E28	.485	9132	31.7	7	-F	C		.20	.20					4	
MCMA	29	1503	1514	1505	S16	W32	.562	9128	27.2	11	-F	C	1505	.26	.30						D
GRP11968	29	1615	1622	1617	S12	W32	.545	9128	27.3	7	-N			.46							
HOU	29	1615	1621	1616	S05	W33	.545	9128	27.2	6	-N	C		.40	.50					200	
HUAN	29	1615	1624	1617	S15	W32	.558	9128	27.3	9	-N	2 C	1617	.57	.60					E	
MCMA	29	1616	1620	1617	S16	W32	.562	9128	27.3	4	-F	C	1617	.41	.50					E	
GRP11969	29	1638	1649	1642	S12	W15	.302	9128	28.6	11	-F			.40							
HOU	29	1636	1645	1639	S06	W08	.151	9128	29.1	9	-F	C		.30	.30					100	
HUAN	29	1637	1646E		S14	W18	.360	9128	28.3	9D	-F	1 C	1639	.50	.50					E	
MCMA	29	1641	1655	1644	S15	W18	.369	9128	28.3	14	-N	C	1644	.41	.42					D	
GRP11970	29	1658	1704	1700	S11	E29	.499	9132	31.9	6	-F			.41							
HOU	29	1657	1703	1659	S07	E24	.412	9132	31.5	6	-F	C		.20	.20					100	
MCMA	29	1658	1705	1700	S15	E33	.571	9132	1.2	7	-F	C	1700	.62	.70					E	
HUAN	29	1745E	1748		S14	W18	.360	9128	28.4	3D	-F	1 P	1745	.21	.21					D	
GRP11972	29	1823	1859	1842	S12	E26	.460	9132	31.7	36	-N			.62							
HOU	29	1821	1852	1843	S08	E22	.383	9132	31.4	31	-N	C								3 3 2 1	
HOU	29	1821	1852	1825	S08	E22	.383	9132	31.4	31	-N	C		.40	.40					200	
MCMA	29	1822E	1842D		S14	E29	.512	9132	31.9	20D	-N	C	1841	.83	.90					K	
LOCK	29	1826	1905	1840	S15	E26	.477	9132	31.7	39	-N	C								EL	
																				K	
GRP11972	29	1835	1853	1838	S13	E22	.408	9132	31.4	18	-F			.36							
HUAN	29	1833	1857		S14	E24	.443	9132	31.6	24	-N	1 C	1841	.62	.62					100	
HOU	29	1836	1849	1838	S11	E19	.352	9132	31.2	13	-F	C		.10	.10					E	
GRP11972	29	1845	1913	1846	S15	E29	.517	9132	1.0	28	-F			.39							
HOU	29	1844	1900	1846	S13	E25	.451	9132	31.7	16	-N	C		.40	.50					200	
HUAN	29	1845	1925E		S17	E32	.567	9132	1.2	40D	-F	1 C	1846	.37	.39					E	
GRP11972	29	1826	1910	1855	S17	E30	.542	9132	1.0	44	-F			1.01							
LOCK	29	1826	1905	1855	S15	E26	.477	9132	31.7	39	-N	C	1855	1.70	1.90					2 2 2 2	
MCMA	29	1900E	1915D		S18	E33	.585	9132	1.3	15D	-F	C	1900	.31	.40					K	
																				D	
LOCK	29	1840	1910	1849	S16	E90	1.000	9138	5.5	30	1F	C	1849	.70	2.80					H	
HUAN	29	1859	1911		S18	W36	.622	9128	27.1	12	-N	1 C	1905	.50	.54						2
GRP11975	29	2003	2025	2009	S11	W22	.397	9128	28.2	22	-F			.75							
HOU	29	2003	2025	2008	S05	W22	.376	9128	28.2	22	-F	C		.60	.70					100	
LOCK	29	2003	2025	2010	S16	W21	.417	9128	28.3	22	-N	C	2010	.90	1.00						2 2 2 0

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
1967 DEC																			
LOCK	29	2023	2038	2026	S15	E27	.490	9132	31.9	15	-F	C	2026	.40	.40				1
HOUS	29	2052	2101	2054	S05	W22	.376	9128	28.2	9	-F	C		.60	.70		100		2
CULG	29	2141	2155	2149	S03	W32	.529	9128	27.5	14	-F	1 C		.46	.51			G	2
LOCK	29	2216	2230	2220	S20	E32	.584	9132	1.3	14	-F	C	2220	.70	.80				3
GRP11980	29	2218	2252	2222	S10	W35	.581	9128	27.3	34	-F			.49					2 2 2 2
CULG	29	2218	2252	2225	S16	W33	.575	9128	27.5	34	-N	2 C		.77	.96				
HOUS	29	2218	2250	2219	S04	W36	.587	9128	27.2	7D	-F	C		.20	.30		100		
CULG	29	2242	2252	2246	S09	E22	.387	9132	31.6	10	-F	2 C		.98	.95			S	3
CULG	29	2242	2317	2247	N10	E61	.883	9135	3.5	35	-F	2 C		.46	1.01				3
GRP11983	30	0008	0053	0024	S21	W34	.613	9128	27.5	45	-N			.87					2 2 2 1
CRON	30	0006	0011	0008	S14	W22	.414	9128	28.4	5	-F	C		.30	.30				
CULG	30	0010	0100	0027	S23	W34	.625	9128	27.5	50	-N	2 C		1.24	1.56			L	
CRON	30	0011	0020	0015	S22	W37	.653	9128	27.2	9	-F	C		.20	.30				
CRON	30	0017	0035	0021	S25	W32	.616	9128	27.6	18	-N	C		.50	.60			K	
CRON	30	0017	0035	0027	S25	W32	.616	9128	27.6	18	-N	C							
CRON	30	0039	0045	0041	S17	W36	.617	9128	27.3	6	-N	C		.30	.40				
CRON	30	0038	0046	0040	N29	W79	.990	9126	24.1	8	-F	C		.20	.70				3
GRP11985	30	0056	0113	0100	S29	E76	.972	9136	4.7	17	-F			.28					2 2 2 2
CRON	30	0055	0104	0059	S29	E75	.968	9136	4.7	9	-F	C		.10	.30				
CULG	30	0056	0121	0100	S28	E77	.975	9136	4.8	25	-N	2 C		.46					
GRP11986	30	0434	0444	0437	S17	W40	.666	9128	27.2	10	-N			.66					2 2 2 3
CRON	30	0428	0441	0432	S16	W39	.651	9128	27.3	13	-F	C		.90	1.20				
CULG	30	0439	0446	0441	S18	W40	.670	9128	27.2	7	-B	2 C		.41	.55			F	
GRP11987	30	0547	0555	0548	S28	E19	.516	9133	31.7	8	-N			.46					3 3 3 1
CRON	30	0546	0552	0547	S28	E18	.508	9133	31.6	6	-N	C		.20	.20				
CULG	30	0547	0557	0549	S29	E19	.528	9133	31.7	10	-B	2 C		.77	.81				
MANI	30	0552E	0555D		S28	E19	.516	9133	31.7	3D	-F	1	0553	.41	.49				
CAPE	30	0646	0707	0654	S29	E19	.528	9133	31.7	21	-F	C	0654	1.18	1.40				4
GRP11989	30	0652	0701	0655	S18	W41	.682	9128	27.2	9	-N			1.40					4 4 4 2
CAPE	30	0650	0705	0656	S16	W41	.675	9128	27.2	15	1B	C	0656	2.29	3.10			F	
ATHN	30	0650	0703	0651	S20	W44	.722	9128	27.0	13	-N	2	0651	.66	.80				
ABST	30	0654	0658	0655	S18	W40	.670	9128	27.3	4	-F	C	0655	1.26	1.70			DK	
CRON	30	0655	0658	0656	S17	W38	.642	9128	27.4	3	-F	C		1.40	1.80				
GRP11990	30	0743	0754	0748	S18	W42	.693	9128	27.2	11	-N			.77					3 3 3 2
CAPE	30	0740	0749D		S16	W41	.675	9128	27.2	9D	-N	P	0749	.91	1.20			F	
CRON	30	0744	0753	0748	S17	W41	.678	9128	27.2	9	-N	C		.90	1.20				
ATHN	30	0746	0755	0747	S21	W43	.715	9128	27.1	9	-N	2	0747	.50	.60				
MANI	30	0747E	0756		S18	W51	.790	9124	26.5	9D	-F	2	0748	.72	1.15				3
GRP11992	30	0805	0813	0807	S20	W42	.700	9128	27.2	8	-N			.40					2 2 2 3
CRON	30	0803	0812	0806	S17	W40	.666	9128	27.3	9	-N	C		.30	.40				
ATHN	30	0806	0813	0807	S22	W43	.719	9128	27.1	7	-N	2	0807	.50	.60				
CRON	30	0809	0815	0810	S17	E84	.994	9138	5.6	6	-F	C		.40	1.40				3
CAPE	30	0811E	0815D		S28	E18	.508	9133	31.7	4D	-F	P	0813	.99	1.10				3
GRP11995	30	0827	0836	0830	S18	W41	.682	9128	27.3	9	-N			.86					4 4 4 4
CAPE	30	0821	0840	0831	S16	W42	.687	9128	27.2	19	1B	C	0831	1.64	2.30			FV	
HPR	30	0827	0831	0828	S17	W40	.666	9128	27.4	4	-N	C	0829	.83	1.10				
CRON	30	0828	0838	0831	S17	W40	.666	9128	27.4	10	-N	C		.30	.40				
ATHN	30	0830	0836	0831	S22	W43	.719	9128	27.1	6	-N	2	0831	.66	.80				
GRP11996	30	0844	0853	0844	S19	W40	.674	9128	27.4	9	-N			.40					3 3 3 4
HPR	30	0842	0850	0842	S17	W40	.666	9128	27.4	8	-F	C	0842	.41	.55				
CRON	30	0843	0854	0844	S17	W36	.617	9128	27.7	11	-N	C		.30	.40				
CRON	30	0844	0856	0850	S15	W40	.660	9128	27.4	12	-N	C		.30	.40				
ATHN	30	0845	0855	0846	S24	W43	.727	9128	27.1	10	-N	2	0846	.50	.60				
HPR	30	0901	0908	0905	S17	W42	.690	9128	27.2	7	-F	C	0905	.72	1.00				7
CRON	30	0918	0940	0922	S18	E24	.470	9132	1.2	22	-N	C		.20	.20				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.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hd	MAX. INT. %		
					LAT.	MER. DIST.													
GRP11999	30	1006	1028	1010	S12	E25	.445	9132	1.3	22	-N			.67					3 3 3 3
HTPR	30	1005	1010	1007	S11	E24	.426	9132	1.2	5	-F	C	1007	.52	.55				
CATA	30	1005	1055	1010	S12	E25	.445	9132	1.3	50	-N		1010	.99	1.11			180	
CRON	30	1007	1020	1014	S13	E26	.465	9132	1.4	13	-N	C		.50	.60				
GRP12000	30	1033	1042	1035	S19	W40	.674	9128	27.4	9	-N			.34					3 3 3 3
HTPR	30	1033	1038	1034	S18	W40	.670	9128	27.4	5	-F	C	1034	.41	.55				E
CATA	30	1035E	1040D	1035	S21	W40	.682	9128	27.4	5D	-N		1035	.31	.44			168	
CAPS	30	1036E	1049		S18	W39	.658	9128	27.5	13D	-N	3	1039	.30	.40			170	CE
ATHN	30	1116	1124	1117	S28	E20	.525	9133	1.0	8	-N	2	1117	.66	.80				2
HUAN	30	1307	1311	1308	S17	E10	.298	9132	31.3	4	-F	2 C	1308	.21	.21				DT
HUAN	30	1343	1347		S17	E10	.298	9132	31.3	4	-F	2 C	1344	.25	.25				D
CAPE	30	1348	1401	1352	S22	W39	.675	9128	27.6	13	1N	C	1352	1.60	2.20				3
GRP12005	30	1348	1420	1355	S16	E10	.284	9132	31.3	32	-F			.91					2 2 2 2
CAPE	30	1348	1403	1355	S15	E10	.271	9132	31.3	15	-N	C	1355	1.21	1.30				E
HUAN	30	1353E	1436D		S16	E10	.284	9132	31.3	43D	-F	2 C	1355	.60	.60				E
GRP12006	30	1413	1443	1420	S18	E12	.330	9132	31.5	30	-F			2.25					2 2 2 3
CAPE	30	1413	1440	1420	S17	E10	.298	9132	31.3	27	-N	C	1420	1.52	1.60				
ATHN	30	1420E	1445	1420	S18	E13	.340	9132	31.6	25D	1F	2	1420	2.97	3.30				
HUAN	30	1542	1554	1544	S17	E09	.289	9132	31.3	12	-F	2 C	1544	.25	.25				D
HUAN	30	1650	1720		S14	W33	.566	9128	28.2	30	-F	1 C	1659	.80	.86				E
HUAN	30	1732	1745		S16	W47	.744	9128	27.2	13	-F	2 C	1734	.21	.26				D
GRP12010	30	1805	1810	1806	S15	E09	.261	9132	31.4	5	-N			.58					2 2 2 1
HUAN	30	1805	1810	1806	S15	E08	.252	9132	31.4	5	-N	2 C	1806	.55	.55				E
LOCK	30	1805	1810	1806	S15	E09	.261	9132	31.4	5	-N	C	1806	.60	.60				
GRP12011	30	1822	1834	1826	S20	W44	.722	9128	27.5	12	-B			1.45					2 2 2 0
LOCK	30	1820	1834	1826	S21	W43	.715	9128	27.5	14	1B	C	1826	1.50	2.30				
HUAN	30	1823	1834	1826	S19	W44	.719	9128	27.5	11	-B	2 C	1826	1.39	1.66				E
GRP12012	30	1854	1916	1902	S37	W90	1.000	9120	24.0	22	-F			.63					2 2 2 0
LOCK	30	1848	1927	1903	S39	W90	1.000	9120	24.0	39	1N	C	1903	1.00	4.00				
HUAN	30	1859	1904	1901	S34	W90	1.000	9120	24.0	5	-F	1 C	1901	.25					D
HUAN	30	1931	1938	1933	S17	E07	.273	9132	31.3	7	-F	1 C	1933	.25	.25				D
LOCK	30	2014	2024	2017	S21	W47	.757	9128	27.3	10	-F	C	2017	.50	.80				1
LOCK	30	2028	2040	2030	S10	E11	.227	9132	31.7	12	-N	C	2030	.60	.60				0
GRP12016	30	2111	2126	2114	S16	E05	.244	9132	31.3	15	-N			.68					2 2 2 0
LOCK	30	2111	2126	2114	S16	E05	.244	9132	31.3	15	-N	C	2114	.90	.90				
HUAN	30	2113E	2119D		S16	E04	.239	9132	31.2	6D	-N	1 C	2116	.45	.45				E
GRP12017	30	2223	2233	2227	S15	E73	.956	9138	5.4	10	-N			.55					2 2 2 0
LOCK	30	2222	2234	2227	S15	E72	.951	9138	5.3	12	1N	C	2227	.90	2.40				
CRON	30	2224	2231	2226	S15	E73	.956	9138	5.4	7	-N	C		.20	.50				
LOCK	30	2325	2341D	2335	S16	E05	.244	9132	31.4	16D	-F	C	2335	.40	.40				2
	31	0130	0135	NO FLARE PATROL															
CRON	31	0144	0205	0147	S16	E05	.242	9132	31.4	21	-N	C		.30	.30				K
CRON	31	0144	0205	0155	S16	E05	.242	9132	31.4	21	-N								1
CRON	31	0151	0205	0155	S16	E01	.228	9132	31.2	14	-N	C		.50	.50				1
CRON	31	0429	0446	0435	S28	E15	.484	9133	1.3	17	-F	C		.40	.50				1
CRON	31	0438	0447	0440	S28	E13	.470	9133	1.2	9	-F	C		.20	.20				1
GRP12023	31	0607	0624	0614	S18	W90	1.000	9124	24.5	17	1N			1.47					3 3 3 1
CRON	31	0607	0621	0612	S18	W90	1.000	9124	24.5	14	1N	C		.80	3.20				
CULG	31	0612E	0631	0615	S18	W90	1.000	9124	24.5	19D	1B	1 P		.88					
TACH	31	0616E	0621D		S18	W90	1.000	9124	24.5	5D	2F	C	0618	2.73		4.60	84		BDG
	31	0610	0615	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.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
CRON	1967 DEC 31	0653	0657	0655	S16	E68	.928	9138	5.4	4	-F	C		.20	.50			2	
GRP12025	31	0744	0758	0748	S18	E10	.310	9132	1.1	14	-F			.50				2 2 1 1	
CRON	31	0742	0800	0748	S19	E11	.332	9132	1.1	18	-F	C		.50	.50				
ISTA	31	0745	0756		S16	E08	.264	9132	31.9	11	-F								
GRP12026	31	0747	0759	0748	S20	W90	1.000	9124	24.6	12	-N			.27				3 3 2 1	
ATHN	31	0745	0759	0746	S19	W90	1.000	9124	24.6	14	-N	2	0746	.33					
ISTA	31	0748	0800		S22	W90	1.000	9124	24.6	12	-N								
CRON	31	0749	0759	0750	S18	W90	1.000	9124	24.6	10	-N	C		.20	.80				
GRP12027	31	0814	0832	0821	S31	E56	.863	9136	4.5	18	-N			.49				4 4 3 2	
HTPR	31	0810	0825	0819	S31	E57	.871	9136	4.6	15	-F	C	0819	.41	.80			E	
CAPE	31	0814	0828	0821	S30	E57	.868	9136	4.6	14	-N	C	0821	.65	1.30				
CRON	31	0815	0830	0822	S31	E56	.863	9136	4.5	15	-N	C		.40	.80				
ISTA	31	0815E	0845D		S30	E55	.854	9136	4.5	30D	-N								
CAPE	31	0816	0830	0821	S19	E08	.308	9133	31.9	14	-F	C	0821	.95	1.00			3	
GRP12029	31	0915	0920	0916	S18	W55	.828	9128	27.3	5	-N			.27				3 3 3 3	
CAPE	31	0913	0920	0917	S16	W55	.825	9128	27.3	7	-N	C	0917	.43	.80			T	
CATA	31	0915	0920	0915	S20	W54	.823	9128	27.3	5	-N			.18	.32				
CRON	31	0916	0919	0917	S18	W55	.828	9128	27.3	3	-F	C	0915	.20	.30			188	
GRP12030	31	1152	1157	1154	S12	E07	.199	9132	1.0	5	-F			1.20				2 2 2 1	
HTPR	31	1151	1154	1152	S12	E07	.199	9132	1.0	3	-F	C	1152	.52	.52				
CAPE	31	1153	1200	1156	S12	E06	.189	9132	31.9	7	-N	C	1156	1.87	1.90			H	
CAPE	31	1246	1252	1248	S16	W58	.853	9128	27.2	6	-F	C	1248	.52	1.00			T 2	
GRP12032	31	1354	1359	1355	S15	E65	.907	9138	5.5	5	-F			.64				2 2 2 3	
CANR	31	1353	1357	1354	S15	E65	.907	9138	5.5	4	-F	C		.20	.40				
CAPE	31	1354	1401	1356	S15	E64	.900	9138	5.4	7	1N	C	1356	1.08	2.50				
GRP12033	31	1403	1419	1405	S19	W90	1.000	9124	24.8	16	-N			.36				2 2 2 2	
HUAN	31	1402	1419	1405	S19	W90	1.000	9124	24.8	17	-N	2	C	1405	.37				
CAPE	31	1403	1419	1405	S19	W90	1.000	9124	24.8	16	-N	C	1405	.35					
GRP12034	31	1431	1450	1437	S20	W86	.997	9124	25.2	19	-F			.24				3 3 3 1	
CAPE	31	1427	1456	1441	S18	W90	1.000	9124	24.9	29	-F	C	1441	.30					
HUAN	31	1428	1448	1430	S19	W90	1.000	9124	24.9	20	-N	2	C	1430	.31				D
CANR	31	1437	1445	1440	S22	W80	.984	9124	25.6	8	-F	C		.10	.30				
HUAN	31	1439	1443	1440	S21	W85	.995	9124	25.2	4	-F	2	C	1440	.21				D
GRP12035	31	1529	1541	1533	S31	E06	.480	9133	1.1	12	1F			2.31				3 3 3 1	
CAPE	31	1522	1536D	1533	S31	E06	.480	9133	1.1	14D	2N	C	1533	5.97	6.80			V	
HUAN	31	1532	1544		S31	E04	.476	9133	31.9	12	-F	1	C	1537	.45	.46			E
CANR	31	1532E	1537	1532U	S32	E07	.498	9133	1.2	5D	-F	C		.50	.60				
HUAN	31	1612	1620	1615	S22	W53	.817	9128	27.7	8	-F	1	C	1615	.50	.68			E 3
GRP12037	31	1613	1621	1616	S18	E06	.280	9132	1.1	8	-F			.36				2 2 2 2	
LOCK	31	1612	1622	1616	S17	E06	.264	9132	1.1	10	-F	C	1616	.50	.60				
HUAN	31	1613	1620	1616	S19	E06	.295	9132	1.1	7	-F	1	C	1616	.21	.21			D
GRP12038	31	1645	1657	1647	S23	W55	.837	9128	27.6	12	-N			.65				2 2 2 1	
LOCK	31	1644	1657	1647	S24	W55	.839	9128	27.6	13	-N	C	1647	.80	1.40				
HUAN	31	1645	1656		S22	W54	.826	9128	27.6	11	-N	1	C	1646	.50	.68			E
GRP12039	31	1714	1725	1717	S27	E05	.416	9133	1.1	11	-F			.60				2 2 2 2	
HUAN	31	1714	1727	1716	S27	E05	.416	9133	1.1	13	-N	2	C	1716	.70	.71			E
LOCK	31	1714	1722	1717	S26	E05	.401	9133	1.1	8	-F	C	1717	.50	.60				
GRP12040	31	1815	1829	1819	S24	W54	.831	9128	27.7	14	-F			.57				3 3 3 1	
LOCK	31	1814	1830	1817	S24	W55	.839	9128	27.6	16	-F	C	1817	.60	1.10				
SACP	31	1815	1836	1821	S24	W54	.831	9128	27.7	21	-N	C		.60	.82				
HUAN	31	1816	1821		S23	W54	.829	9128	27.7	5	-F	1	C	1818	.50	.70			E
GRP12041	31	1921	1936	1925	S15	W49	.763	9128	28.1	15	-F			.65				3 3 3 1	
LOCK	31	1919	1936	1925	S16	W48	.755	9128	28.2	17	-F	C	1925	.80	1.20				
BOUL	31	1921	1935	1924	S15	W49	.763	9128	28.1	14	-F	C		.40	.60				
HUAN	31	1922	1936	1926	S14	W49	.762	9128	28.1	14	-N	2	C	1926	.75	.94			E
GRP12042	31	2044	2053	2045	S18	W08	.293	9132	31.3	9	-F			.57				4 4 4 1	
LOCK	31	2043	2053	2046	S18	W08	.293	9132	31.3	10	-F	C	2046	.60	.70				
SACP	31	2044E	2054	2045	S18	W08	.293	9132	31.3	10D	-F	C		.61	.59				
CULG	31	2044	2055	2045	S17	W07	.271	9132	31.3	11	-N	2	C		.52	.50			
HUAN	31	2044	2050	2045	S18	W08	.293	9132	31.3	6	-F	2	C	2045	.55	.55			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 H α	MAX. INT. %	
	1967 DEC																	
GRP12043	31	2055	2113	2059	S29	E47	.785	9136	4.4	18	-F							
CULG	31	2053	2106	2056	S30	E50	.814	9136	4.6	13	-F	2	C		.39			
HALE	31	2057	2120	2102	S27	E43	.739	9136	4.1	23	-F	1	C	2102	.46 .31	.76 .50	L 2 2 2 3	
HALE	31	2112	2122	2114	S28	E00	.425	9133	31.9	10	-F	1	C	2114	.21	.21	4	
GRP12045	31	2223	2254	2232	S17	W08	.279	9132	31.3	31	-F				1.48			
CULG	31	2220	2255	2233	S17	W07	.271	9132	31.4	35	-N	2	C		.93	.90	3 3 3 1	
LOCK	31	2222	2230	2230	S18	W09	.301	9132	31.3	80	-F		C	2230	1.40	1.50		
SACP	31	2228	2252	2234	S17	W09	.287	9132	31.3	24	1F		C		2.11	2.08		
GRP12045	31	2239	2300	2247	S16	W06	.249	9132	31.5	21	-F				.66			
SACP	31	2238	2308	2248	S14	W03	.200	9132	31.7	30	-F		C		.91	.89	2 2 2 2	
CRON	31	2240	2252	2245	S18	W09	.301	9132	31.3	12	-F		C		.40	.40		
LOCK	31	2250	2303	2253	S24	W82	.989	9124	25.8	13	-F		C	2253	.30	1.00	3	
GRP12047	31	2310	2343	2313	S18	E01	.262	9132	1.0	33	-N				.39			
CULG	31	2309	2351	2312	S18	E01	.262	9132	1.0	42	-N	2	C		.57	.55	2 2 2 2	
CRON	31	2310	2320	2313	S18	E03	.266	9132	1.2	10	-N		C		.20	.20		
CRON	31	2318	2335	2320	S19	E00	.278	9132	1.0	17	-F		C		.50	.50		
GRP12048	31	2340	2356	2343	S25	E02	.378	9133	1.1	16	-F				.99			
SACP	31	2303	2353	2344	S19	E00	.278	9133	1.0	50	-F		C		1.14	1.12	3 3 3 1	
CRON	31	2338	2352	2340	S28	E03	.427	9133	1.2	14	-F		C		1.20	1.30		
CULG	31	2342	0002	2344	S28	E03	.427	9133	1.2	20	-N	2	C		.62	.60		

Remarks:

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

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.

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.

The code name for Canary Islands has been changed from CANA to CANR.