

SOLAR FLARES
Confirmed
MARCH 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP21245	07	0210	0248	0218	N14	W03	.366	9966	6.9	38	1N		2.77				5 5 5 5		
CULG	07	0207	0310	0222	N15	W03	.382	9966	6.9	63	1N	C	0222	3.92	3.99		UH		
VORO	07	0210	0244	0213	N14	W03	.366	9966	6.9	34	1B	C	0213	2.12	2.30		EJ		
CRON	07	0212	0236	0215	N13	W03	.350	9966	6.9	24	1N	C		3.70	4.10		E		
MANI	07	0213E	0245D	0223	N13	W03	.350	9966	6.9	32D	1N	2	0223	2.27	2.40				
SIBE	07	0216E	0246	0217	N13	W01	.347	9966	7.0	30D	-F	P	0217	1.82	1.80		61 E		
7 STATIONS REPORTING GROUP 21252. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP21252	07	1026	1101	1031	N13	W08	.371	9966	6.8	35	-N		2.05				4 4 4 7		
MONT	07	1023	1104	1033	N13	W06	.360	9966	7.0	41	1N	C	1033	2.78					
ARCF	07	1026	1101D	1033	N13	W08	.371	9966	6.8	35D	-N	C	1033	1.88	2.00		H		
CANR	07	1027	1100	1030	N12	W07	.350	9966	6.9	33	1F	C		2.00	2.20				
MEUD	07	1027	1100	1029	N13	W09	.377	9966	6.8	33	-N	C	1029	1.55	1.60		E		
21252	07	1027	1115	1047	N12	W08	.356	9966	6.8	48	*1N		3.00				3 3 3 9		
ZURI	07	1027	1107	1049	N12	W07	.350	9966	6.9	40	1N	P	1049	2.10	2.20				
HERS	07	1042E	1052D	1045	N13	W10	.384	9966	6.7	10D	-N	P	1045	1.75	1.90	1.60	55 D		
WEND	07	1050E	1122		N12	W08	.356	9966	6.9	32D	1N	V		5.16					
GRP21255	07	1423	1435	1425	N17	W26	.578	9966	5.6	12	--F		.71				3 3 3 10		
LOCA	07	1421	1436	1423	N16	W24	.548	9966	5.8	15	-N	V	1423	.73	.90		GH		
CAPE	07	1425	1435	1427	N17	W26	.578	9966	5.7	10	-F	C	1427	.88	1.10		F		
MCMA	07	1426E	1435		N17	W27	.589	9966	5.6	9D	-F	C	1427	.52	.60		E		
GRP21256	07	1539	1553	1541	N13	W10	.384	9966	6.9	14	--F		1.51				4 4 4 6		
MCMA	07	1537	1555	1541	N12	W10	.369	9966	6.9	18	-N	C	1541	.62	.70		E		
MEUD	07	1539	1548		N13	W11	.391	9966	6.8	9	-F		1541	.72	.70		E		
HUAN	07	1540	1547		N14	W10	.398	9966	6.9	7	-N	I	1543	.57	.62				
WEND	07	1540E	1603		N13	W10	.384	9966	6.9	23D	1F	V		4.13					
257 HALE	07	2105	2116	2107	S12	E88	.998	9986	14.5	11	1N	2	C	2107	.57			2	
258 HALE	07	2124	2148	2126	N10	W18	.421	9966	6.5	24	--N	2	C	2126	.31	.30		2	
GRP21259	08	1231	1239	1232	N14	W23	.518	9966	6.8	8	--F		.96				3 3 3 7		
CAPS	08	1230E	1242		N14	W19	.476	9966	7.1	12D	-N	3		.80	.90		C		
ZURI	08	1231	1234	1231	N13	W24	.519	9966	6.7	3	-F	C	1231	1.68	2.00		164 E		
HTPR	08	1232	1240D	1232	N14	W25	.540	9966	6.6	8D	-F	C	1232	.41	.50		E		
GRP21260	08	1248	1259	1251	N33	E74	.987	9985	14.1	11	-N		.36				2 2 2 7		
CANR	08	1248	1258	1251	N32	E75	.989	9985	14.2	10	-N	C		.40	1.30				
MCMA	08	1251E	1259		N33	E72	.982	9985	13.9	8D	-N	C	1253	.31	1.20		DH		
GRP21267	08	1806	1851	1815	N12	W22	.487	9966	7.1	45	1B		1.73				3 3 3 3		
HALE	08	1805	1818	1806	N14	W24	.529	9966	7.0	13	-N	3	C	1806	.46	.50			
MCMA	08	1806	1850	1813	N11	W22	.477	9966	7.1	44	-B	C	1813	.62	.70		E		
SACP	08	1806	1849	1816U	N11	W21	.466	9966	7.2	43	1N	C		2.16	2.21				
HALE	08	1807	1855D	1817	N12	W20	.465	9966	7.3	48D	1B	3	C	1817	2.42	2.70		F	
GRP21268	08	2012	2029	2014	N12	W32	.604	9966	6.4	17	--N		.31				3 3 3 4		
HALE	08	2011	2036	2015	N13	W32	.611	9966	6.4	25	-N	I	C	2015	.41	.50			
SACP	08	2013E	2027	2013U	N12	W32	.604	9966	6.4	14D	-N	P		.27	.29				
MCMA	08	2013	2023	2014	N12	W33	.616	9966	6.4	10	-N	C	2014	.26	.30		D		
GRP21272	08	2206	2219	2208	N13	W34	.634	9966	6.4	13	--B		.49				2 2 2 3		
HALE	08	2206	2220U	2207	N13	W33	.623	9966	6.4	14D	-B	I	C	2207	.62	.80		D	
SACP	08	2206	2217	2209	N12	W34	.628	9966	6.4	11	-N	C		.36	.40				
GRP21276	09	0012	0022	0017	N12	W33	.616	9966	6.5	10	--F		.32				2 2 2 5		
SACP	09	0012	0020	0017	N12	W35	.640	9966	6.4	8	-F	C		.27	.30				
MANI	09	0015E	0023		N12	W30	.581	9966	6.8	8D	-F	2	0016	.36	.44				
GRP21280	09	0636	0652	0644	N13	W38	.680	9966	6.4	16	-N		.77				2 2 2 3		
MANI	09	0635	0654	0644	N13	W37	.669	9966	6.5	19	-F	2	0644	.83	1.09				
CRON	09	0636	0650	0644	N13	W39	.691	9966	6.3	14	-B	C		.70	1.00		HI		
281 HTPR	09	0707	0735	0711	N12	W35	.640	9966	6.7	28	--F	C	0711	.31	.40		D		
282 HTPR	09	0708	0740	0719	N13	W25	.530	9966	7.4	32	--F	C	0719	.72	.80		E		
GRP21288	09	1014	1027	1017	N15	W39	.702	9966	6.5	13	-N		2.53				4 4 4 5		
CANR	09	1009	1030D	1015	N18	W32	.649	9966	7.0	21D	1F	C		3.00	4.50		L		
WEND	09	1012E	1028		N13	W39	.691	9966	6.5	16D	1N	V		4.13					
ZURI	09	1014	1023	1019	N14	W40	.707	9966	6.4	9	-N	C	1019	1.47	2.00				
CANR	09	1014	1020	1018	N15	W40	.713	9966	6.4	6	-N	C		.90	1.30				
HTPR	09	1015	1025	1017	N15	W40	.713	9966	6.4	10	-B	C	1017	.62	.90		U		

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.													
GRP21328	11 MAR	1448	1501	1450	N16	W50	.816	9966	7.9	13	--N							3 3 3 4	
MONT	11	1448	1456	1449	N15	W50	.812	9966	7.9	8	-N	C	1449	.10				D	
MCMA	11	1448	1503	1450	N15	W53	.839	9966	7.6	15	-N	C	1450	.26	.40			D	
CAPS	11	1451E	1503		N17	W48	.801	9966	8.0	12D	-N	3	1453	.30	.50		170		
GRP21330	11	1651	1731	1657	S12	E34	.557	9986	14.3	40	--N			.37				2 2 2 3	
HALE	11	1651E	1721	1657	S11	E34	.556	9986	14.3	30D	-N	1	1657	.21	.20				
MCMA	11	1653E	1740		S12	E34	.557	9986	14.3	47D	-N		1704	.52	.60			E	
GRP21332	11	1752	1812	1754	S12	E34	.557	9986	14.3	20	--N			.78				2 2 2 3	
HALE	11	1752	1812	1754	S11	E34	.556	9986	14.3	20	-N	2	1754	1.03	1.20			VH	
MCMA	11	1753E	1805D		S12	E34	.557	9986	14.3	12D	-N		1755	.52	.60			E	
333 MCMA	11	1952E	1959D		S12	E33	.543	9986	14.3	7D	--N		1953	.52	.60			E	
335 HUAN	11	2158	2209	2200	S11	E32	.527	9986	14.3	11	--N	2	2200	.52	.62			2	
	11	2216	2227		NO FLARE PATROL														
	11	2245	2317		NO FLARE PATROL														
GRP21336	12	0012	0103	0019	N11	W62	.901	9966	7.4	51	-F	2		.67				3 1 1 4	
MANI	12	0012	0103	0019	N11	W62	.901	9966	7.4	51	-F	2	0019	.67	1.30				
CRON	12	0029	0049	0032	N09	W65	.919	9966	7.1	20	-N	C		.60	1.30				
HALE	12	0050E	0103	0055	N11	W63	.908	9966	7.3	13D	-N	1	0055	.62					
337 HALE	12	0050E	0120		S13	E73	.950	9988	17.5	30D	-N	1	0059	.52				F	
338 HALE	12	0228	0244	0234	N11	W64	.915	9966	7.3	16	-N	1	0234	.72				3	
339 HALE	12	0235	0248	0237	S16	E70	.933	9988	17.4	13	--N	1	0237	.15				3	
GRP21340	12	0335	0455	0350	N31	E23	.696	9985	13.9	80	--F	2		1.24				3 3 3 5	
HALE	12	0334	0420D	0351	N30	E20	.668	9985	13.6	46D	-F	2	0351	.72	1.00			F	
CULG	12	0334E	0455	0349	N31	E23	.696	9985	13.9	81D	1N		0349	1.65	2.60				
MANI	12	0336	0405D	0351	N31	E25	.708	9985	14.0	29D	-F	2	0351	1.34	1.60				
GRP21341	12	0349	0419	0357	N12	W63	.910	9966	7.4	30	--F			.26				2 2 2 5	
HALE	12	0346	0419	0355	N14	W61	.900	9966	7.6	33	-N	1	0355	.26	.60				
MANI	12	0352	0405D	0358	N09	W65	.919	9966	7.3	13D	-F	2	0358	.26	.52				
GRP21346	12	1444	1527	1455	S14	E68	.920	9988	17.7	43	-N			.74				3 3 3 6	
MCMA	12	1435	1530D	1453	S14	E65	.899	9988	17.5	55D	-N	2	1453	.31	.70			E	
CAPS	12	1444	1530		S12	E70	.934	9988	17.9	46	-N	2	1503	.70			180		
CANR	12	1453	1520	1457	S16	E69	.926	9988	17.8	27	1N			1.20	2.80				
GRP21347	12	1738	1807	1744	N12	W80	.990	9966	6.7	29	2B			4.06				5 5 4 5	
MCMA	12	1735	1808	1741	N10	W80	.989	9966	6.7	33	2B		1741		6.00			AFILV	
SACP	12	1739	1800	1742	N12	W78	.984	9966	6.9	21	3B			5.04					
CANR	12	1739	1810	1749U	N11	W80	.989	9966	6.7	31	2B			3.40	11.20			HZ	
BOUL	12	1739	1808D	1743	N12	W85	.998	9966	6.4	29D	2B			3.10	10.20			EH	
HALE	12	1747E	1849		N14	W76	.979	9966	7.0	62D	3B	2	1747	4.69				VZ	
GRP21348	12	1956	2020	2005	N13	W70	.953	9966	7.6	24	1B			1.33				5 4 4 5	
SACP	12	1954	2031	2006	N12	W70	.952	9966	7.6	37	1B			1.62	3.26				
HOUT	12	1955U	2007	2000	N13	W70	.953	9966	7.6	12D	1B			.90	2.30			HI	
MCMA	12	1958	2022	2008	N12	W81	.992	9966	6.8	24	1B		2008					EL	
HALE	12	2000	2031	2007	N14	W70	.954	9966	7.6	31	1B	1	2007	1.60					
BOUL	12	2007E	2012	2007U	N13	W68	.943	9966	7.7	5D	1B			1.20	3.00			H	
GRP21351	12	2222	2241	2228	N14	W74	.972	9966	7.4	19	2B			2.18				5 5 5 5	
CULG	12	2220	2255	2227	N15	W74	.973	9966	7.4	35	2B		2227	1.65	6.40			OV	
HOUT	12	2220	2229	2223	N13	W70	.953	9966	7.7	9	1B			1.60	4.40			HI	
SACP	12	2221	2236	2230	N13	W73	.967	9966	7.5	15	2B			3.83	8.48				
HALE	12	2225	2250	2234	N15	W73	.969	9966	7.5	25	2B	1	2234	2.68					
HUAN	12	2225E	2236D	2227	N15	W78	.986	9966	7.1	11D	1N	1	2227	1.13					
	12	2359	0000		NO FLARE PATROL														
GRP21352	13	0034	0058	0042	N14	W73	.968	9966	7.5	24	1B			1.48				3 3 3 4	
CULG	13	0030	0054D	0042	N15	W75	.976	9966	7.4	24D	1B		0043	1.44					
HALE	13	0035	0107	0041	N15	W74	.973	9966	7.5	32	1B	1	0041	1.44					
SACP	13	0037	0053	0043	N13	W71	.958	9966	7.7	16	1N			1.55	3.26				
353 HALE	13	0234	0250	0239	N15	W74	.973	9966	7.6	16	-N	1	0239	.52				3	

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	DATE 1969 MAR	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. %						
385 HALE	14	2221	2243D	2229	S27	E34	.614	998R	17.5	22D	*-N	1	P	2229	.52	.70			F	4			
385 HALE	14	2227	2243	2229	S31	E30	.599	998R	17.2	16	*-N	2	P	2229	.31	.40				4			
GRP21388	15	1234	1246	1237	N13	E64	.918	9994	20.3	12	-N				.69				2	2	2	2	
CAPE	15	1233	1250	1236	N13	E66	.931	9994	20.5	17	-N	C		1236	.88	2.30							
CANR	15	1234	1242	1237	N13	E61	.898	9994	20.1	8	-N	C			.50	1.10					I		
GRP21392	15	1630	1655	1634	N13	E61	.898	9994	20.3	25	-N				.86				2	2	2	2	
MCMA	15	1629	1700	1634	N13	E62	.905	9994	20.3	31	-N	C		1634	.72	1.60					EW		
CANR	15	1631	1650	1633	N13	E59	.883	9994	20.1	19	-N	C			1.00	2.00							
GRP21393	15	1742	1750	1744	N21	E90	1.001	9994	22.5	8	-N				.60				2	2	2	3	
CANR	15	1741	1750	1743	N21	E90	1.001	9994	22.5	9	-N				.40	1.60						I	
BOUL	15	1742	1750	1744	N21	E90	1.001	9994	22.5	8	1N	C			.80	3.20							
394 HUAN	15	1928	2009		N12	E63	.910	9994	20.5	41	--F	1	C	1942	.33	.76						3	
GRP21397	15	2030	2100	(2045)	N20	E90	1.000	9994	22.6	40	-N				1.00				2	2	1	3	
MCMA	15	2030E	2044D		N20	E90	1.001	9994	22.6	14D	-N			2044									
HUAN	15	2045E	2100D		N20	E88	1.000	9994	22.5	25D	1F	1	P	2046	1.00								
HUAN	15	2045E	2102		N18	E90	1.001	9994	22.6	17D	-N	1	P	2046	.25								
398 MANI	15	2224E	2242	2226	S17	E21	.386	998R	17.5	18D	--F	1		2226	.98	1.06						2	
399 MANI	15	2246	2259	2254	N20	E88	1.000	9994	22.5	13	1F	1		2254	.83	2.60						3	
401 MANI	16	0122	0127D		N17	E90	1.001	9994	22.8	5D	-N	1		0123	.31	1.00						4	
GRP21407	16	1327	1351	1332	N12	E62	.903	9994	21.2	24	-N				.48				3	3	3	5	
HTPR	16	1326	1400	1336	N12	E62	.903	9994	21.2	34	-F			1336	.52	1.00							
MCMA	16	1327	1347	1328	N12	E60	.888	9994	21.1	20	-N	C		1328	.41	.90						E	
CAPS	16	1328	1345		N12	E64	.917	9994	21.4	17	-N	3		1330	.50							E	
GRP21408	16	1406	1424	1409	N15	E35	.658	9994	19.2	18	-N				1.40				8	8	8	8	
HTPR	16	1405	1430	1408	N14	E34	.640	9994	19.1	25	1N			1408	1.65	2.10							
MCMA	16	1405	1425	1408	N15	E35	.658	9994	19.2	20	-R			1408	1.29	1.70						E	
CANR	16	1405	1417	1408	N13	E35	.645	9994	19.2	12	1N	C			1.80	2.30							
HUAN	16	1405	1422		N16	E37	.686	9994	19.4	17	-N	1			.47	.64							
SACP	16	1406E	1424	1409	N15	E35	.658	9994	19.2	18D	-N	C			.71	.81							
CAPS	16	1407	1422		N15	E37	.680	9994	19.4	15	-R	2		1409	1.30	1.70						277	
ZURT	16	1408E	1423	1409	N15	E35	.658	9994	19.2	15D	1N	C		1409	2.94	3.90							
CAPE	16	1409E	1425	1410	N15	E35	.658	9994	19.2	16D	-N	P		1410	1.02	1.40							
GRP21409	16	1457	1508	1500	N24	W06	.525	9995	16.2	11	--N				.80				6	6	6	6	
SACP	16	1455	1510	1500	N23	W06	.511	9995	16.2	15	-N				.51	.53							
MCMA	16	1456	1504D	1459	N24	W08	.532	9995	16.0	8D	-N	C		1459	.62	.70						E	
CANR	16	1456	1505	1459	N22	W06	.496	9995	16.2	9	-N	C			.90	1.00							
HTPR	16	1457	1510	1500	N25	W05	.538	9995	16.2	13	-N	C		1500	1.24	1.30							
CAPE	16	1458	1510	1500	N24	W06	.525	9995	16.2	12	-N	C		1500	.97	1.10							
ZURT	16	1458	1507	1502	N23	W03	.504	9995	16.4	9	-N	C		1502	.53	.60							
410 SACP	16	1705	1709	1707	N14	E38	.685	9994	19.6	4	--F				.21	.24						3	
GRP21411	16	1736	1758	1749	N16	E33	.643	9994	19.2	22	--N				.46				2	2	2	4	
SACP	16	1736	1756D	1749	N15	E32	.625	9994	19.1	20D	-N				.40	.45							
HALE	16	1753E	1758D		N16	E33	.643	9994	19.2	5D	-N	1	P	1758	.52	.70							
412 HUAN	16	1920	1931		N12	E61	.896	9994	21.4	11	--F	1	C	1922	.43	.95						3	
GRP21413	16	1930	1948	1934	N16	E31	.622	9994	19.1	18	--N				.52				3	3	3	4	
HUAN	16	1930	1938D		N15	E31	.614	9994	19.1	8D	-N	1	C	1930	.45	.57							
SACP	16	1932E	1945	1934	N16	E31	.622	9994	19.1	13D	-N				.40	.45							
HALE	16	1935E	1950		N16	E31	.622	9994	19.1	15D	-N	1	P	1939	.72	.90							
414 BOUL	16	2011U	2035U	2020U	N16	E07	.409	9994	17.4	24D	1F				2.70	3.00						E	3
GRP21417	16	2108	2135	2116	N23	W11	.530	9995	16.1	27	1R				3.92				3	3	3	3	
HUAN	16	2105	2133D	2114	N23	W12	.535	9995	16.0	28D	1N	1	C	2114	3.81	4.58							
SACP	16	2111	2135	2118	N23	W11	.530	9995	16.1	24	1R				3.95	4.15							
BOUL	16	2112U	2125U	2115U	N24	W09	.535	9995	16.2	13D	1R				4.00	4.80							
GRP21421	16	2334	2359	2340	N16	E30	.611	9994	19.2	25	1R				2.43				4	4	4	5	
SACP	16	2332	0000	2340	N16	E30	.611	9994	19.2	28	1R				2.73	2.98							
MITK	16	2335E	0010	2340	N17	F29	.609	9994	19.2	35D	1R				2.58	3.30						E	
CRON	16	2336	2348	2339	N16	E28	.589	9994	19.1	12	1R				1.80	2.20						E	
BOUL	16	2338U	2347U	2340U	N14	E31	.606	9994	19.3	9D	1R				2.60	3.40						H	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE 1969	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
GRP21424	17	0212	0233	0215	N23	W14	.546	9995	16.0	21	--F									2 1 1 3
CRON	17	0212	0233	0215	N23	W14	.546	9995	16.0	21	-F									E
MITK	17	0214	0233	0227	N24	W14	.559	9995	16.0	19	1F	C	0227	1.96	2.30					E
425 CRON	17	0216	0231	0220	N08	E60	.881	9994	21.6	15	1N	C		1.60	3.30					E
GRP21426	17	0235	0255	0246	N12	E60	.888	9994	21.6	20	1F			1.16						2 2 2 3
MITK	17	0235	0258	0241	N12	E61	.896	9994	21.7	23	1N	C	0241	1.03	2.30					E
KODA	17	0245E	0251	0250	N12	E59	.880	9994	21.5	6D	1F	P	0246	1.29	2.60	1.64				E
GRP21427	17	0303	0322	0307	N13	E44	.745	9994	20.4	19	-N			1.12						2 2 2 3
MITK	17	0302	0320	0307	N14	E46	.769	9994	20.6	20D	-N	C	0307	1.03	1.50					E
CRON	17	0303	0322	0306	N11	E42	.714	9994	20.3	19	-N	C		1.20	1.70					E
428 CRON	17	0439	0448	0441	N16	E27	.579	9994	19.2	9	--F	C		.90	1.10					E
GRP21431	17	0927	0952	0931	N22	W16	.546	9995	16.2	25	-N			1.95						2 2 2 4
CANR	17	0925	0950	0931	N22	W17	.553	9995	16.1	25	-N	C		.80	1.00					E
WEND	17	0928	0953		N21	W14	.520	9995	16.3	25	1N	V		3.09						
GRP21434	17	1402	1423	1407	S10	W01	.053	9988	17.5	21	--F			.51						2 2 2 5
HUAN	17	1400	1411	1405	S07	W01	.017	9988	17.5	11	-F	I	1405	.21	.21					E
SACP	17	1404	1435	1409	S12	W01	.087	9988	17.5	31	-F	C		.81	.81					
GRP21435	17	1816	1830	1818	S12	W44	.690	9986	14.5	14	-B			.81						2 2 2 3
CANR	17	1815	1823	1817	S12	W44	.690	9986	14.5	8	-B	C		.80	1.10					E
SACP	17	1816	1836	1818	S12	W44	.690	9986	14.5	20	-N	C		.81	.94					
GRP21436	17	1831	1904	1839	N19	E61	.910	9994	22.3	33	-N			1.27						3 2 2 4
SACP	17	1830	1920	1843	N19	E60	.903	9994	22.3	50	1N	C		1.73	2.83					
CANR	17	1831	1847	1834	N18	E61	.908	9994	22.3	16	-N	C		.80	1.70					E
HUAN	17	1905E	1911D		N17	E58	.884	9994	22.1	6D	-F	I	1909	.15	.31					D
437 SACP	17	1918	1929	1920	N12	E38	.674	9994	20.7	11	--N	C		.71	.82					2
440 SACP	17	2127	2144	2129	N13	E20	.474	9994	19.4	17	--N	C		.92	.94					3
GRP21442	17	2335	2351	2336	N13	E19	.463	9994	19.4	16	-N			1.12						3 3 3 3
CRON	17	2334E	2342	2336	N13	E19	.463	9994	19.4	8D	-B	C		.90	1.00					E
MITK	17	2335E	2357		N13	E19	.463	9994	19.4	22D	-N	C	2336	1.55	1.80					E
SACP	17	2335	2355D	2336	N13	E19	.463	9994	19.4	20D	-N	C		.92	.94					
444 SACP	18	0028	0047	0034	N19	E66	.940	9994	23.0	19	--N	C		.21	.39					3
GRP21446	18	0300	0317	0303	N14	E17	.454	9994	19.4	17	-N			1.18						2 2 2 4
VORO	18	0257	0310D	0303	N14	E17	.454	9994	19.4	13D	-B	C	0303	1.02	1.10			98		E
MITK	18	0302	0317	0303	N13	E17	.442	9994	19.4	15	-F	C	0303	1.34	1.50					E
447 MITK	18	0523	0534	0524	N12	E16	.421	9994	19.4	11	--F	C	0524	1.19	1.20					E
GRP21449	18	0625	0654	0635	N13	E17	.442	9994	19.5	29	1B			3.93						4 4 4 4
CRON	18	0624	0645	0630	N14	E15	.436	9994	19.4	21	1B	C		3.70	4.10					L
MITK	18	0626	0657	0630	N13	E17	.442	9994	19.5	31	2B	C	0630	8.04	9.00					F
HTPR	18	0636E	0700	0638	N13	E17	.442	9994	19.5	24D	1B	C	0638	2.06	2.20					
KODA	18	0641E	0643D	0642	N12	E19	.452	9994	19.7	2D	1N	S	0643	1.93	2.20	1.92				BE
GRP21459	18	1154	1221	1157	N11	E27	.536	9994	20.5	27	-B			1.81						4 4 4 6
CANR	18	1153	1201	1155	N11	E28	.548	9994	20.6	8	-N	C		.80	1.00					E
MONT	18	1153E	1241D	1159	N11	E28	.548	9994	20.6	48D	1R			2.37						
HTPR	18	1155	1210	1158	N12	E30	.580	9994	20.7	15	1N	C	1159	1.86	2.20					
HTPR	18	1200	1222	1203	N13	E20	.474	9994	20.0	22	-F	C	1203	.52	.60					E
CAPS	18	1200E	1233D		N10	E30	.565	9994	20.8	33D	-B	2	1202	1.10	1.30			300		E
CAPS	18	1200E	1218		N12	E22	.486	9994	20.1	18D	-B	2	1202	.60	.70			300		E
GRP21460	18	1335	1352	1341	N17	E50	.819	9994	22.3	17	-N			.75						5 5 5 6
CANR	18	1225	1345D	1340	N17	E48	.801	9994	22.1	80D	-N	C		1.10	1.80					E
CAPS	18	1330E	1405D		N19	E51	.835	9994	22.4	35D	-N	3	1333	.60	1.00			176		E
HUAN	18	1337	1347D		N16	E46	.778	9994	22.0	10D	-F	1	1341	.10	.17					
SACP	18	1339	1349	1341	N19	E55	.867	9994	22.7	10	-N	C		.52	.77					
HTPR	18	1343E	1350D	1343	N15	E50	.812	9994	22.3	7D	-F	C	1343	1.03	1.60					
CAPS	18	1345E	1358		N17	E48	.801	9994	22.2	13D	-N	2	1350	1.00	1.70			176		E
463 SACP	18	1630	1718	1659	N12	E10	.367	9994	19.4	48	--N	C		.31	.30					3
464 SACP	18	1707	1727	1715	N12	E25	.520	9994	20.6	20	--N	C		.41	.42					3
465 SACP	18	1754	1810	1800	N20	E53	.855	9994	22.7	16	--N	C		.40	.59					3

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMPATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
					LAT.	MER. DIST.													
GRP21466	18 MAR	1907	1938	1914	N17	E39	.713	9994	21.7	31	2N							2 1 1 3	
HOUT	18	1907	1938	1914	N17	E39	.713	9994	21.7	31	2N		3.80					E	
SACP	18	1909	2026	1935	N19	E44	.773	9994	22.1	77	1N	C	2.24	2.84					
GRP21468	18	2016	2038	2022	N12	E08	.353	9994	19.4	22	-N		1.51					2 2 2 3	
HOUT	18	2015	2031	2018	N12	E07	.348	9994	19.4	16	-N	8	1.70	1.90				E	
SACP	18	2016	2044	2025	N11	E08	.338	9994	19.4	28	-N	8	1.32	1.31					
469	SACP	18	2059	2117	2104	S25	E37	.637	10000	21.6	18	--N		.51	.57				3
GRP21472	19	0041	0104	0049	N13	E07	.362	9994	19.6	23	-N		1.10					3 3 3 4	
SACP	19	0039	0105U	0050U	N13	E07	.362	9994	19.6	26D	-N	C	1.04	1.04					
MANI	19	0040	0107	0050	N14	E07	.378	9994	19.6	27	-N	2	0050	.72	.78				
MITK	19	0044	0100	0048	N13	E08	.368	9994	19.6	16	-F	C	0048	1.55	1.70				E
GRP21473	19	0107	0123	0113	S26	E35	.620	10000	21.7	16	1F		1.70					3 3 3 4	
CRON	19	0105	0120	0114	S26	E34	.609	10000	21.6	15	-N	C	1.30	1.70				E	
MANI	19	0105	0124	0113	S26	E36	.631	10000	21.7	19	1F	2	0113	2.06	2.70				
MITK	19	0111	0125	0113	S26	E36	.631	10000	21.7	14	1F	C	0113	1.75	2.20				
GRP21474	19	0152	0204	0155	N12	E19	.452	9994	20.5	12	--N		.41					3 3 3 5	
MANI	19	0150	0206	0155	N12	E19	.452	9994	20.5	16	-F	2	0155	.41	.45				
HALE	19	0152	0201D		N12	E20	.463	9994	20.6	9D	-B	1	0156	.21	.20				D
MITK	19	0153	0202	0155	N13	E19	.463	9994	20.5	9	-N	C	0155	.62	.70				
GRP21477	19	0940	0952	0945	N12	E02	.329	9994	19.6	12	--F		.88					2 2 2 5	
MANI	19	0940	0945D	0945	N12	E03	.331	9994	19.6	5D	-F	2	0945	.72	.76				E
MEUD	19	0942E	0952	0945	N12	E01	.327	9994	19.5	10D	-N	C	0945	1.03	1.00				
479	MEUD	19	1145	1205	N15	E00	.376	9994	19.5	20	--F	C	1151	1.03	1.00				E
GRP21483	19	1706	1719	1709	N16	E49	.806	9994	23.4	13	1N		1.48					3 3 3 6	
SACP	19	1705	1724U	1709	N16	E49	.806	9994	23.4	19D	-N	C	.81	1.09					
HALE	19	1706	1719	1709	N16	E50	.815	9994	23.5	13	1F	2	1709	2.22	3.80				FL
BOUL	19	1707	1713	1708	N15	E49	.802	9994	23.4	6	1N	C	1.40	2.30					
GRP21484	19	1853	1917	1901	N21	E33	.680	9994	22.3	24	-N		.89					4 4 4 5	
HUAN	19	1850E	1935D		N21	E34	.690	9994	22.3	45D	-N	1	1900	.65	.88				E
HALE	19	1851	1909	1901	N21	E33	.680	9994	22.3	18	-N	1	1901	.57	.80				E
HOUT	19	1858	1904	1900	N22	E32	.679	9994	22.2	6	-N	C	.90	1.30				E	
SACP	19	1900E	1920U	1902U	N21	E33	.680	9994	22.3	20D	-N	C	1.42	1.64					
GRP21486	19	2018	2031	2021	N18	E28	.606	9994	21.9	13	-N		1.37					3 3 3 4	
HUAN	19	2016	2034		N18	E29	.616	9994	22.0	18	-N	1	2019	.50	.60				E
HOUT	19	2018	2030	2020	N18	E27	.596	9994	21.9	12	-N	C	1.60	1.90					
BOUL	19	2019	2030	2021	N19	E27	.605	9994	21.9	11	1N	C	2.00	2.50					
GRP21487	19	2306	2327	2312	N19	E38	.715	9994	22.8	21	-N		1.19					4 4 4 5	
BOUL	19	2305	2320	2308	N18	E38	.709	9994	22.8	15	-N	C	1.20	1.70				E	
MANI	19	2306	2325	2310	N19	E37	.705	9994	22.7	19	-N	2	2310	1.03	1.52				
SACP	19	2306	2328	2310	N20	E38	.721	9994	22.8	22	-N	C	.92	1.09					
HOUT	19	2318E	2335	2318U	N19	E40	.734	9994	23.0	17D	1N	C	1.60	2.40					
GRP21488	19	2319	2341	2324	N17	W10	.439	9994	19.2	22	-N		2.33					5 4 4 5	
MANI	19	2224E	2335		N15	W10	.410	9994	19.2	71D	1F	2	2225	2.27	2.50				
CULG	19	2314	2352D	2327	N18	W08	.443	9994	19.4	38D	1N	P	2327	2.58	2.75				S
SACP	19	2318	2357U	2323U	N16	W10	.424	9994	19.2	39D	1N	C	3.45	3.49					
HOUT	19	2321	2325	2323	N17	W11	.445	9994	19.1	4	-N	C	1.60	1.80				E	
BOUL	19	2321	2328	2324	N16	W09	.419	9994	19.3	7	-N	C	1.70	1.90				E	
GRP21492	20	0709	0716	0711	N19	E26	.595	9994	22.2	7	-N		.93					4 3 3 7	
CRON	20	0708	0714	0710	N19	E27	.605	9994	22.3	6	-N	C	.90	1.20				E	
CAPE	20	0708	0715	0712	N19	E25	.586	9994	22.2	7	-F	C	0712	.88	1.10				
CAPS	20	0710	0718D		N20	E25	.596	9994	22.2	8D	-B	3	0712	1.00	1.40				246
HTPR	20	0716E	0733D	0723	N20	E29	.634	9994	22.5	17D	-F	C	0723	.31	.40				
GRP21494	20	0847	0913	0855	N20	E33	.672	9994	22.8	26	-N		.69					4 4 4 6	
HTPR	20	0845	0856D		N19	E35	.685	9994	23.0	11D	-F	C	0851	.62	.80				
CAPE	20	0846	0926	0857	N19	E34	.675	9994	22.9	40	-N	C	0857	.85	1.10				
CRON	20	0849	0903	0853	N19	E34	.675	9994	22.9	14	-N	C	.80	1.10					
ARCF	20	0858E	0910D		N21	E27	.624	9994	22.4	12D	-N	C	0858	.47	.60				E
GRP21502	20	1410	1439	1417	S31	E36	.660	10001	23.3	29	--F		1.12					2 2 2 5	
CAPS	20	1410E	1438		S30	E39	.684	10001	23.5	28D	-N	3	1415	1.10	1.50				C
HTPR	20	1410	1440	1417	S31	E33	.630	10001	23.1	30	-F	C	1417	1.13	1.40				170

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
					LAT.	MER. DIST.													
GRP21528	21 MAR	0844	0854	0849	N20	E13	.498	9994	22.3	10	-N			1.26					5 5 5 9
ARCE	21	0839	0900	0849	N21	E12	.506	9994	22.3	21	-N	8	C	0849	1.42	1.60			
MANI	21	0843	0854	0848	N20	E16	.519	9994	22.6	11	-N	2	C	0848	.93	1.10			
HTRP	21	0845	0852		N20	E12	.492	9994	22.3	7	1N	8	C	0849	2.06	2.30			
CAPE	21	0845	0852	0849	N20	E13	.498	9994	22.3	7	-N	8	C	0849	.97	1.10			
CAPS	21	0846	0852		N18	E12	.465	9994	22.3	6	-N	3		0849	.90	1.00		175	
GRP21529	21	0918	0946	0928	N19	E19	.531	9994	22.8	28	1N			1.64					9 8 6 9
HTRP	21	0913	0950	0930	N20	E20	.551	9994	22.9	37	-N	8	C	0930	1.13	1.30			E
MONT	21	0913	0942	0927	N20	E19	.543	9994	22.8	29	1N	8	C	0927	2.68				F
CAPE	21	0913	0953	0930	N20	E20	.551	9994	22.9	40	-N	8	C	0930	1.16	1.40			F
ARCF	21	0920	1000	0926	N20	E18	.534	9994	22.7	40	1N	8	C	0926	1.79	2.10			F
CRON	21	0921	0932	0924	N19	E17	.514	9994	22.7	11	-N	8	C	0926	1.50	1.70			F
MANI	21	0922	0947D	0928	N19	E19	.531	9994	22.8	25D	-N	2		0928	1.55	1.85			E
NERA	21	0923	0928		N16	E20	.505	9994	22.9	5	1N	3							C
CAPS	21	0925E	0953		N19	E29	.625	9994	23.6	28D	-R	3		0928	1.30	1.60		256	J
ONDR	21	0935E	0953		N18	E21	.537	9994	23.0	18D	2F	8	V	0937			1.00		
GRP21530	21	0945	1022	0952	S31	E21	.515	10001	23.0	37	1N			1.21					5 5 4 8
CAPS	21	0938	1027D	0952	S30	E21	.504	10001	23.0	49D	-R	3		0952	1.20	1.40		430	H
CAPE	21	0947	1015	0952	S32	E20	.517	10001	22.9	28	-N			0952	1.02	1.20			F
HTRP	21	0950	1011	0953	S32	E19	.509	10001	22.8	21	-R			0953	1.03	1.20			HF
ARCF	21	0952F	1045		S30	E21	.504	10001	23.0	53D	-N			0952	1.58	1.80			CJ
ONDR	21	0952E	1012		S31	E25	.552	10001	23.3	20D	2N		V	0953				2.50	
GRP21533	21	1108	1113	1110	N20	E13	.498	9994	22.4	5	-N			1.42					3 3 3 5
MONT	21	1106	1112	1110	N21	E13	.512	9994	22.4	6	1N		C	1110	2.37				V
CAPE	21	1108	1113	1110	N20	E12	.492	9994	22.4	5	-N			1.10	1.00				
CAPS	21	1109	1113		N19	E14	.492	9994	22.5	4	-R	3		1110	1.00	1.20		237	
GRP21534	21	1145	1231	1204	S32	E20	.517	10001	23.0	46	-R			1.06					2 2 2 5
CAPE	21	1145	1217	1204	S33	E21	.537	10001	23.1	32	-N		C	1204	1.02	1.20			F
CAPS	21	1212E	1245D		S30	E18	.478	10001	22.9	33D	-R	3		1213	1.10	1.30		277	
9 STATIONS REPORTING GROUP 21535.															1 STATIONS OBSERVING AND NOT REPORTING.				
GRP21535	21	1307	1350	1334	N19	E09	.462	9994	22.2	43	2R			8.39					4 4 2 5
NERA	21	1302	1348		N18	E08	.442	9994	22.1	46	3F	3							
CAPE	21	1312	1435D	1334	N18	E10	.452	9994	22.3	83D	2R		P	1334	4.77	5.30			FI
CAPS	21	1332E	1512D		N19	E11	.472	9994	22.4	100D	3R	3		1333	12.00	13.00		580	
ONDR	21	1334E	1351D		N20	E08	.472	9994	22.2	17D	2R		V	1335			3.10		F
21535	21	1353	1425	1405	N21	E10	.495	9994	22.3	32	*1R			2.07					3 3 3 7
CATA	21	1353E	1420D	1405	N20	E10	.481	9994	22.3	27D	1R			1405	2.61	3.01		327	EFZ
ROUL	21	1404E	1425	1404U	N21	E09	.491	9994	22.3	21D	1R		C		2.10	2.40			E
HUAN	21	1413E	1416D		N23	E12	.533	9994	22.5	3D	-N	1	P	1415	1.50	1.71			
21535	21	1345	1500	1405	N20	E07	.468	9994	22.1	75	*2N			7.22					3 1 1 7
CAFF	21	1345E	1500D		N20	E07	.468	9994	22.1	75D	2N		P	1351	7.22	8.40		224	
CATA	21	1353E	1420D	1405	N17	E16	.481	9994	22.8	27D	-R			1405	.34	.40			
ARCE	21	1426E	1548		N20	E12	.492	9994	22.5	82D	1R		P	1426	2.62	3.00			FZ
GRP21536	21	1415	1426	1415	S32	E18	.501	10001	22.9	11	--R			.43					3 2 2 7
CAPE	21	1355	1426	1359	S33	E17	.505	10001	22.9	31	-F		C	1359	.93	1.10			F
CAPS	21	1415	1425		S30	E20	.495	10001	23.1	10	-R	3		1416	.40	.50		196	
CATA	21	1415	1420D	1415	S33	E16	.499	10001	22.8	5D	-R			1415	.46	.54		295	
GRP21539	21	1540	1600	1547	S32	E20	.517	10001	23.2	20	-N			1.75					2 2 2 4
ARCE	21	1540	1548D		S31	E19	.498	10001	23.1	8D	1N		P	1548	1.79	2.10			E
ROUL	21	1540	1600	1547	S32	E21	.526	10001	23.2	20	-N		C		1.70	2.00			
GRP21540	21	1704	1718	1707	S13	W57	.832	9988	17.4	14	-F			.96					2 2 2 4
ROUL	21	1703	1715	1708	S14	W58	.842	9988	17.4	12	1N		C		1.30	2.30			
HALE	21	1704	1721	1706	S11	W56	.823	9988	17.5	17	-F	2	C	1706	.62	1.10			
541 HALE	21	1821	1837	1823	N23	E00	.500	9994	21.8	16	--N	2	C	1823	.77	.90			3
GRP21542	21	1823	1914	1829	N20	E15	.512	9994	22.9	51	-N			1.60					4 4 4 4
HALE	21	1821	1935	1829	N21	E16	.532	9994	23.0	74	1R	2	C	1829	1.86	2.20			
SACP	21	1821	1910U	1824	N20	E10	.481	9994	22.5	49D	-N			1.85	1.90				
SACP	21	1821	1910U	1832	N20	E10	.481	9994	22.5	49D	-N								
BOUL	21	1827	1850	1834	N19	E15	.499	9994	22.9	23	1N		C		1.90	2.20			E
HUAN	21	1833E	1835D		N21	E18	.547	9994	23.1	2D	-N	1	P	1834	.77	.89			
HUAN	21	1903E	1920D		N21	E18	.547	9994	23.1	17D	-N	1	P	1905	1.78	2.04			
GRP21543	21	1847	1904	1849	S33	E17	.505	10001	23.1	17	--N			.61					3 3 3 4
HALF	21	1847	1907	1849	S31	E17	.481	10001	23.1	20	-N	2	C	1849	.31	.40			
ROUL	21	1847	1900	1850	S34	E18	.525	10001	23.1	13	-N		C		1.20	1.40			
SACP	21	1848	1855U	1849	S33	E17	.505	10001	23.1	7D	-N		C		.31	.32			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE 1969	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. %		
GRP21544	21 MAR	1915	1935	1922	S32	E14	.472	10001	22.9	20	--F			.59				2 2 2 4	
HUAN	21	1912	1920		S32	E13	.466	10001	22.8	8D	-N	1	P	1916	.72	.83			
HALE	21	1917	1935	1922	S31	E14	.459	10001	22.9	18	-F	2	C	1922	.46	.50			
GRP21545	21	1943	2014	1945	N21	E06	.479	9994	22.3	31	1R			2.01				3 3 3 3	
HALE	21	1943	2026	1945	N21	E05	.476	9994	22.2	43	1R	2	C	1945	2.06	2.30			
SACP	21	1943	2018	1945	N21	E05	.476	9994	22.2	35	1R			2.77	2.84				
HOUT	21	1944	1958	1946	N22	E07	.497	9994	22.3	14	-R			1.20	1.50			E	
546 SACP	21	2137	2153	2139	N20	E09	.476	9994	22.6	16	--N			.72	.74			3	
GRP21547	21	2138	2155	2143	S32	E16	.486	10001	23.1	17	-N			.87				3 3 3 3	
HALE	21	2135	2203	2143	S31	E16	.474	10001	23.1	28	-N	2	C	2143	.88	1.00		J	
SACP	21	2140	2153	2143	S33	E16	.499	10001	23.1	13	-N	8	C		.72	.74			
BOUL	21	2140	2150	2143	S33	E17	.506	10001	23.2	10	-N	8	C		1.00	1.20			
548 SACP	21	2159	2205	2200	N13	W32	.610	9994	19.5	6	--N			.41	.45			3	
GRP21550	21	2334	2354	2336	N11	W16	.407	9994	20.8	20	-B			1.39				2 2 2 3	
SACP	21	2334	2352	2335	N10	W16	.396	9994	20.8	18	-B			1.64	1.65				
HALE	21	2334	2355	2336	N11	W16	.407	9994	20.8	21	-B	3	C	2336	1.13	1.20			
GRP21551	22	0033	0049	0039	S32	E10	.449	10001	22.8	16	-N			1.21				5 5 5 5	
HALE	22	0032	0052	0039	S30	E11	.426	10001	22.8	20	-N	1	C	0039	1.44	1.60			
SACP	22	0034	0042	0041	S33	E11	.469	10001	22.8	8D	-N			.94	.96				
CRON	22	0034	0045	0036	S33	E10	.464	10001	22.8	11	-N			1.00	1.20				
MITK	22	0035E	0049		S33	E10	.464	10001	22.8	14D	-N			1.13	1.30			E	
MANI	22	0037E	0051		S32	E10	.449	10001	22.8	14D	-N	2		0038	1.55	1.73			
GRP21552	22	0134	0146	0138	N12	W17	.429	9994	20.8	12	--N	1	C		.57			2 2 2 5	
HALE	22	0134	0150	0138	N12	W16	.419	9994	20.9	16	-R			0138	.31	.30			E
MITK	22	0134	0142	0137	N11	W17	.418	9994	20.8	8	-F			0137	.83	.90			E
GRP21553	22	0203	0228	0206	N13	W32	.609	9994	19.7	25	--F	1	C		.54			2 2 2 5	
HALE	22	0134	0203	0141	N13	W27	.551	9994	20.0	29	-F	1	C	0141	.15	.20			
MITK	22	0203	0220	0205	N12	W34	.626	9994	19.5	17	-F			0205	.72	.90			E
HALE	22	0203	0235	0206	N13	W32	.609	9994	19.7	32	-N	1	C	0206	.36	.50			F
GRP21555	22	0310	0333	0313	N11	W18	.429	9994	20.8	23	--N	1	C		.72			3 3 3 5	
HALE	22	0310	0344	0313	N12	W17	.429	9994	20.9	34	-B	1	C	0313	.41	.50			E
MITK	22	0310	0321	0313	N11	W18	.429	9994	20.8	11	-N			0313	1.03	1.10			E
MANI	22	0310	0325	0314	N11	W18	.429	9994	20.8	15	-N	2		0314	.72	.80			
MANI	22	0328	0334		N11	W18	.429	9994	20.8	6D	-F	2		0329	.72	.80			
GRP21556	22	0356	0418	0402	N20	E00	.454	9994	22.2	22	-N			1.43				3 3 3 5	
CRON	22	0355	0415	0359	N19	W01	.439	9994	22.1	20	-N			1.80	2.00			EI	
HALE	22	0355	0425	0400	N16	W01	.391	9994	22.1	30D	-N	1	P	0400	.62	.70			
MANI	22	0359	0419		N20	W01	.454	9994	22.1	20	-F			0403	.83	.92			
HALE	22	0359	0410	0401	N23	E07	.511	9994	22.7	11	-N	1	C	0401	.72	.80			
HALE	22	0402	0420	0404	N20	W10	.481	9994	21.4	18	-B	1	C	0404	.31	.40			D
GRP21557	22	0429	0448	0435	N22	E04	.489	9994	22.5	19	1N			2.53				3 3 3 5	
CULG	22	0427	0443	0436	N21	E06	.479	9994	22.6	16D	1N			0436	3.20	3.56			
MANI	22	0429	0448	0434	N22	E05	.491	9994	22.6	19D	1N	2		0434	2.68	3.09			
CRON	22	0432	0440	0435	N22	W01	.485	9994	22.1	8	-N				1.70	2.00			EI
CRON	22	0432	0447	0437	N22	E00	.485	9994	22.2	15	-N				1.50	1.70			EI
GRP21561	22	0609	0638	0613	N20	E01	.454	9994	22.3	29	-N			1.70				4 4 3 5	
MANI	22	0550	0610		N22	E12	.519	9994	23.1	20	-N	2		0554	1.03	1.22			
MANI	22	0608	0644	0612	N21	E01	.470	9994	22.3	36	1N			0612	2.22	2.54			
CRON	22	0609	0627	0614	N20	E00	.454	9994	22.3	18	-R			1.70	2.00			EI	
CRIM	22	0609	0640		N20	W02	.455	9994	22.1	31	-F			0616	1.17	1.30			DI
ONDR	22	0611E	0642		N19	W02	.439	9994	22.1	31D	1F			0612			1.80		CJ
GRP21562	22	0643	0659	0646	N10	W20	.441	9994	20.8	16	1R			3.98				6 6 5 7	
ONDR	22	0642	0700	0646	N09	W21	.444	9994	20.7	18	1R			0646			6.60		CHR
MANI	22	0643	0659	0645	N10	W19	.429	9994	20.9	16	1N	2		0645	3.71	4.10			
CRIM	22	0643	0702		N10	W21	.453	9994	20.7	19	2N			0645	5.40	6.00			EI
CRON	22	0643	0651	0645	N10	W20	.441	9994	20.8	8	1R				3.30	3.60			
CAPE	22	0644	0658	0646	N10	W20	.441	9994	20.8	14	1R			0646	2.32	2.60			V
WEND	22	0645E	0706		N10	W20	.441	9994	20.8	21D	1R				5.16				
GRP21564	22	0741	0809	0750	S25	W09	.341	10000	21.6	28	-N			2.17				6 6 6 7	
CRIM	22	0740	0814		S25	W09	.341	10000	21.6	34	1F			0749	2.25	2.40			
MITK	22	0741	0750		S25	W10	.348	10000	21.6	9	1N			0749	4.33	4.60			E
MANI	22	0741	0834	0748	S25	W09	.341	10000	21.6	53D	1N	2		0748	2.06	2.20			
CAPE	22	0742	0810	0750	S25	W10	.348	10000	21.6	28	-N			0750	1.07	1.10			F
CRON	22	0742	0755	0745	S24	W09	.327	10000	21.6	13	-N				1.50	1.70			
CATA	22	0755E	0810	0755	S25	W08	.335	10000	21.7	15D	-B			0755	1.79	1.91			211

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	DATE 1969	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. %
571 CAPE	22 MAR	1143	1150	1145	N20	E04	.458	9994	22.8	7	-N	C	1145	.94	1.10		V 2	
GRP21572	22	1211	1230	1214	N20	W03	.456	9994	22.3	19	--N			.75			3 2 2 5	
CAPS	22	1210E	1229D		N20	E04	.458	9994	22.8	19D	-R	3	1214	.60	.70	200	C	
CAPE	22	1212	1220	1214	N22	E02	.486	9994	22.7	8	-F	C	1214	.89	1.00		F	
WEND	22	1228E	1242		N18	W14	.478	9994	21.5	14D	1N	V		2.58				
GRP21573	22	1329	1355	1340	N18	W13	.471	9994	21.6	26	-R			2.29			4 4 4 5	
CAPS	22	1329E	1358		N18	W08	.442	9994	22.0	29D	-R	3	1334	1.40	1.50	250	C	
WEND	22	1329E	1356		N16	W13	.444	9994	21.6	27D	1R	P		5.16				
CAPE	22	1330	1350	1335	N18	W15	.486	9994	21.4	20	-N	C	1335	1.17	1.30		F	
MONT	22	1343E	1349D	1345	N18	W15	.486	9994	21.4	6D	-N	C	1345	1.44				
GRP21574	22	1452	1511	1506	N19	E11	.472	9994	23.4	19	-N			1.30			2 1 1 5	
CAPS	22	1452E	1511		N19	E11	.472	9994	23.4	19D	-N	1	1455	1.30	1.40	180		
MONT	22	1504E	1518	1506	N20	E07	.467	9994	23.2	14D	-N	C	1506	1.34				
577 HALF	22	1738	1745	1740	N13	W34	.633	9994	20.2	7	--N	2	C	1740	.10	.10		2
578 HALF	22	1811	1831	1815	N19	W03	.441	9994	22.5	20	--F	2	C	1815	.31	.30		F 2
579 HALF	22	1843	1906	1846	N20	W03	.456	9994	22.6	23	-N	2	C	1846	1.55	1.70		F 2
580 HALF	22	1911	1945	1920	N19	W03	.441	9994	22.6	34	-N	2	C	1920	1.13	1.30		F 2
GRP21581	22	1943	2018	1951	N19	W19	.530	9994	21.4	35	-R			.95			2 2 2 3	
HALE	22	1943	2018	1947	N19	W18	.522	9994	21.5	35	-R	2	C	1947	.88	1.00		
SACP	22	1948E	2015U	1955U	N18	W19	.519	9994	21.4	27D	-N	C		1.02	1.06			
582 HALF	22	2023	2037	2026	S07	W71	.942	9988	17.5	14	--R	1	C	2026	.21			D 3
GRP21583	22	2024	2047	2027	N19	W19	.530	9994	21.4	23	--N			.57			2 2 2 3	
SACP	22	2023	2033D	2027	N18	W19	.519	9994	21.4	10D	-N	8	C		.62	.64		
HALE	22	2024	2047	2027	N19	W19	.530	9994	21.4	23	-N	2	C	2027	.52	.60		F
584 HALF	22	2032	2049	2035	N22	W05	.491	9994	22.5	17	--F	2	C	2035	.21	.20		3
585 HALF	22	2100	2120	2103	S12	W71	.940	9988	17.5	20	1F	1	C	2103	.62			2
586 HALF	22	2107	2145	2123	N14	W44	.748	9994	19.6	38	--F	2	C	2123	.41	.60		F 2
587 HALF	22	2116	2125	2117	N22	W08	.500	9994	22.3	9	--N	2	C	2117	.41	.50		2
588 HALF	22	2123	2150	2127	N15	W50	.811	9994	19.1	27	--N	2	C	2127	.41	.70		H 2
GRP21589	22	2218	2235	2222	N20	W18	.534	9994	21.6	17	--F			1.13			2 1 1 4	
MANI	22	2218E	2235	2222	N20	W18	.534	9994	21.6	17D	-F	1	2222	1.13	1.35			
BOUL	22	2231	2243	2235	N18	W22	.546	9994	21.3	12	-N	C		1.10	1.30			
GRP21590	22	2243	2301	2247	S09	W79	.979	9988	17.0	18	--F			.42			2 2 2 4	
MANI	22	2242	2300	2248	S08	W80	.982	9988	16.9	18	-F	1	C	2248	.62	1.50		
HALE	22	2243	2302	2245	S09	W77	.971	9988	17.2	19	-F	1	C	2245	.21			
GRP21591	22	2321	2336	2327	N19	W20	.539	9994	21.5	15	--F			.73			2 2 2 3	
MANI	22	2320	2337	2326	N18	W20	.528	9994	21.5	17	-F	2	C	2326	.83	1.00		
HALE	22	2321	2335	2327	N19	W20	.539	9994	21.5	14	-F	2	C	2327	.62	.70		
GRP21592	22	2354	0010	2358	S30	E01	.391	10001	23.1	16	--F			.73			2 2 2 5	
MITK	22	2353	0009	2358	S31	E00	.407	10001	23.0	16	-N	C	2358	.83	.90		E	
HALE	22	2354	0010	2358	S29	E01	.375	10001	23.1	16	-F	1	P	2358	.62	.70		F
GRP21593	23	0015	0040	0018	S32	E01	.424	10001	23.1	25	-R			2.00			5 5 5 5	
MITK	23	0015	0046	0017	S32	E00	.423	10001	23.0	31	-R	C	0017	1.75	1.90		E	
VORO	23	0015	0032	0017	S31	E03	.410	10001	23.2	17	1R	C	0017	2.96	3.20	87	EJ	
CRON	23	0015	0027	0018	S32	E01	.424	10001	23.1	12	-N	C		1.70	1.90		E	
MANI	23	0016	0040	0020	S32	E01	.424	10001	23.1	24	1R	2	0020	1.86	2.15			
HALE	23	0016	0054	0019	S31	E01	.408	10001	23.1	38	-N	1	C	0019	1.75	1.90		
GRP21597	23	0249	0330	0253	N19	W22	.557	9994	21.5	41	1R			2.50			5 5 5 5	
CRON	23	0246	0300	0248	N19	W21	.547	9994	21.5	14	1N	C		2.70	3.20			
CULG	23	0248	0335	0253	N20	W22	.567	9994	21.5	47	1N	C	0253	2.48	2.88			
MITK	23	0230	0337	0253	N19	W24	.575	9994	21.3	47	1R	C		0253	2.89	3.50		
MANI	23	0250	0335	0254	N19	W20	.539	9994	21.6	45	1R	2	C	0254	2.06	2.50		
HALE	23	0251	0342D	0255	N18	W22	.546	9994	21.5	51D	1R	2	C	0255	2.37	2.80		
GRP21598	23	0313	0346	0319	N18	W14	.477	9994	22.1	33	-F			1.29			2 2 2 5	
MITK	23	0309	0346	0317	N18	W14	.477	9994	22.1	37	-F	C	0317	1.24	1.40		E	
HALE	23	0316	0342D	0320	N17	W14	.464	9994	22.1	26D	-N	1	P	0320	1.34	1.50		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
GRP21600	23	0409	0429	0413	S32	W03	.426	10001	22.9	20	--F			1.55				2 2 2 5	
MITK	23	0409	0429	0413	S32	W02	.425	10001	23.0	20	-F		0413	1.55	1.70			E	
MANI	23	0413E	0422D		S31	W03	.410	10001	23.0	9D	-F	I	0415	1.55	1.70				
GRP21604	23	0605	0624	0609	N21	W07	.481	9994	22.7	19	-N			.88				2 2 2 3	
MITK	23	0605	0617	0609	N21	W08	.485	9994	22.7	12	-N		C	0609	.93	1.10		E	
MANI	23	0605	0630	0609	N20	W05	.460	9994	22.9	25	-N	2		0609	.83	.94			
GRP21605	23	0628	0743	0639	N20	W13	.497	9994	22.3	75	-B			1.15				6 3 3 6	
MANI	23	0621	0805	0631	N21	W10	.494	9994	22.5	104	-R	2		0631	1.34	1.53			
MITK	23	0626	0652D	0635	N20	W15	.511	9994	22.1	26D	-N		C	0635	.62	1.70		D	
CRON	23	0636	0715	0643	N21	W13	.511	9994	22.3	39	-B		C		1.50	1.70		E	
KODA	23	0642E	0650	0645	N20	W28	.623	9994	21.2	8D	-R		V	0644	1.29	1.60	1.88	D	
ONDR	23	0650E	0721D		N18	W16	.493	9994	22.1	31D	1N		V	0650			2.30	CBJK	
WEND	23	0715E	0750D		N19	W12	.477	9994	22.4	35D	1N		V		5.16				
4 STATIONS REPORTING GROUP 21606. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP21606	23	0749	0933	0805	N19	W07	.452	9994	22.8	104	2N			9.29				3 3 3 5	
WEND	23	0741	1052		N18	W05	.429	9994	22.9	191	3N		P		19.59				
MANI	23	0750	0935	0806	N17	W07	.422	9994	22.8	105	1F	2		0806	3.09	3.40			
CRON	23	0755	0930	0804	N21	W09	.490	9994	22.7	95	2N		C		5.20	6.00		EKZ	
21606	23	0755	0930	0852	N21	W09	.490	9994	22.7	95	#2N							2 1 0 6	
CRON	23	0755	0930	0852	N21	W09	.490	9994	22.7	95	2N		C						
ONDR	23	0805E	0914D		N16	W12	.436	9994	22.4	69D	2F		V	0908			2.20	FHIJK	
	23	1310	1322		NO FLARE PATROL														
	23	1324	1332		NO FLARE PATROL														
	23	1342	1344		NO FLARE PATROL														
	23	1603	1618		NO FLARE PATROL														
	23	1627	1639		NO FLARE PATROL														
608 SACP	23	1639E	1657	1640	S32	W07	.437	10001	23.2	18D	-N		C		1.42	1.45			
GRP21609	23	1816	1850	1826	S32	W08	.441	10001	23.2	34	-N			.98				2 2 2 5	
SACP	23	1816	1847	1827	S32	W07	.437	10001	23.2	31	-N		C		1.02	1.03			
HALE	23	1819E	1852	1824U	S31	W08	.426	10001	23.2	33D	-N	I	P	1824	.93	1.00		J	
614 SACP	23	2146	2200	2149	S33	W13	.480	10001	22.9	14	--N		C		.61	.63		2	
GRP21616	23	2328	2344	2331	S32	W11	.455	10001	23.2	16	-N			.99				3 3 3 4	
MITK	23	2327	2340	2329	S32	W10	.450	10001	23.2	13	-N		C	2329	1.13	1.30		E	
HOUT	23	2328	2336	2331	S32	W11	.455	10001	23.2	8	-N		C		1.00	1.10		E	
MANI	23	2328	2355	2333	S32	W13	.467	10001	23.0	27	-F	2		2333	.83	.91			
GRP21617	24	0034	0039	0035	N21	W12	.505	9994	23.1	5	--F		I		.52			2 2 2 5	
MANI	24	0032	0040	0034	N21	W10	.494	9994	23.3	8	-F		I	0034	.62	.71			
HALE	24	0036	0038	0036	N20	W14	.504	9994	23.0	2	-N		I	C	0036	.41	.50		
619 MITK	24	0359	0411	0402	N20	W26	.604	9994	22.2	12	--N		C	0402	.62	.80		E	
GRP21620	24	0506	0540	0508	N21	W18	.545	9994	22.9	34	--N			.72				2 1 1 4	
MITK	24	0506	0540	0508	N21	W18	.545	9994	22.9	34	-N		C	0508	.72	.90		D	
MANI	24	0506	0545		N21	W14	.517	9994	23.2	39	-N		I	0523	.77	.92			
GRP21628	24	1142	1148	1144	N22	W45	.796	9994	21.1	6	--F		I	P		.30			2 2 2 4
HUAN	24	1141E	1146D		N24	W45	.806	9994	21.1	5D	-N		I	P	1143	.28	.43		D
HTPR	24	1142	1148	1144	N20	W45	.786	9994	21.1	6	-F		C	1144	.31	.40			
GRP21629	24	1151	1200	1156	N22	W20	.573	9994	23.0	9	--F		I	C		.51			3 3 3 4
HUAN	24	1150	1159	1155	N23	W19	.577	9994	23.1	9	-N		I	C	1155	.23	.27		
ABST	24	1150	1200	1155	N22	W20	.573	9994	23.0	10	-F		I	C	1155	.90	1.10	50	D
HTPR	24	1154	1201	1157	N21	W20	.561	9994	23.0	7	-F		C	1157	.41	.50			
GRP21632	24	1323	1331	1327	N20	W40	.739	9994	21.6	8	--N			.63				3 3 3 6	
SACP	24	1320E	1333	1327	N20	W39	.730	9994	21.6	13D	-N		C		.63	.76			
MONT	24	1325	1331	1327	N19	W41	.743	9994	21.5	6	-N		C		.77				
HUAN	24	1325	1330		N21	W41	.755	9994	21.5	5	-N		I	C	1327	.50	.74		
GRP21633	24	1358	1406	1400	N15	W63	.915	9994	19.9	8	--F		I	C		.42			2 2 2 6
HUAN	24	1357	1406		N15	W64	.921	9994	19.8	9	-F		I	C	1358	.62	1.30		
MONT	24	1358	1405	1400	N14	W61	.899	9994	20.0	7	-N		C	1400	.21				

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Table with columns: OBSERVATORY, OBSERVED UT (DATE, START, END, MAX. PHASE), LOCATION (APPROX. LAT., MER. DIST., CENTRAL DISTANCE, MCMAH PLAGE REGION, CMP DAY), DURATION (MIN.), IMPOR-TANCE, OBS. COND., TYPE, MEASUREMENTS (TIME UT, MEAS. AREA, CORR. AREA, MAX. WIDTH, MAX. INT.), REMARKS. The table lists solar flare observations from March 24 to March 25, 1969, with details on station reporting, measurements, and remarks.

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1969	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. %			
658 HOUT	25	1806	1812	1809	N10	W77	.980	9994	20.0	6	-N	C		.60	2.00				3	
GRP21659	25	1811	1914	1837	N21	W39	.736	9994	22.8	63	1B			2.00					2 2 2 4	
SACP	25	1811	1911	1839	N20	W39	.729	9994	22.8	60	1N	C		1.73	2.09				F	
HALE	25	1825E	1916	1835	N21	W39	.736	9994	22.8	51D	1B	2 P	1835	2.27	3.30					
1 STATIONS REPORTING GROUP 21660. 3 STATIONS OBSERVING AND NOT REPORTING.																				
660 HOUT	25	1816	1844D	1820	N13	W24	.516	9994	24.0	28D	-N	C		1.70	2.00				EK	4
660 HOUT	25	1816	1844D	1833	N13	W24	.516	9994	24.0	28D	*-N	C								4
661 SACP	25	1845	1857	1850	S29	W60	.870	10000	21.3	12	--N	C		.40	.61					3
662 HALE	25	1911	1942	1915	S10	E76	.966	10012	31.5	31	1F	2 C	1915	.62						2
663 SACP	25	2158	2210	2202	N23	W55	.879	9994	21.8	12	--N	C		.21	.31					2
664 SACP	25	2205	2257	2213	S29	W53	.814	10000	21.9	52	-N	C		.81	1.09					2
665 SACP	26	0006	0010	0007	S22	E84	.990	10013	1.3	4	--N	C		.21						3
666 SACP	26	0102	0115D	0103	S12	E69	.928	10012	31.2	13D	--N	C		.32	.57					3
GRP21667	26	0104	0119	0109	S25	E52	.797	10006	29.9	15	--F			.32						2 2 2 3
MANI	26	0103	0122	0108	S24	E53	.804	10006	30.0	19	-F	2	0108	.31	.45					
SACP	26	0105	0115	0109	S25	E51	.787	10006	29.9	10	-F	C		.33	.42					
GRP21668	26	0144	0309	0210	N21	W40	.745	9994	23.1	85	1N			2.12						3 2 2 4
MITK	26	0144	0310D	0211	N21	W39	.735	9994	23.1	86D	1N	C	0211	2.48	3.60					E
MANI	26	0155E	0307	0209	N21	W40	.745	9994	23.1	72D	1N	2	0209	1.75	2.70					
HALE	26	0240E	0316		N21	W37	.716	9994	23.3	36D	1N	2 P	0240	1.65	2.40					
GRP21671	26	0553	0625	0602	N21	W60	.907	9994	21.7	32	1N			1.96						6 6 6 6
MITK	26	0544	0624	0557	N21	W62	.920	9994	21.6	40	-N	C	0557	.72						D
MANI	26	0547	0628	0604	N22	W57	.890	9994	22.0	41	1N	2	0604	2.17	4.26					
CRIM	26	0554	0640		N21	W59	.901	9994	21.8	46	2F	P	0605	3.60	8.56					BEI
KODA	26	0559E	0613	0603	N22	W62	.922	9994	21.6	14D	1N	P	0612	1.93	2.70		1.76			BE
CRON	26	0600	0621	0604	N22	W58	.896	9994	21.9	21	1N	C		2.20	4.60					E
HTRP	26	0608E	0612D		N20	W60	.905	9994	21.8	4D	-N	C	0612	1.13						
GRP21673	26	0714	0740	0723	N21	W68	.952	9994	21.2	26	1N			1.57						7 7 7 9
MANI	26	0705	0743	0723	N20	W67	.946	9994	21.3	38	1N	2	0723	1.34	2.69					
HTRP	26	0706	0741	0724	N19	W70	.959	9994	21.0	35	1B	8 C	0724	1.44						
CAPS	26	0707E	0743		N18	W67	.943	9994	21.3	36D	1B	3 C	0722	1.80				354		C
MITK	26	0717	0741D	0723	N23	W68	.955	9994	21.2	24D	1B	8 C	0723	1.24						
CRIM	26	0720	0746	0723	N21	W69	.957	9994	21.1	26	1N	8 C	0723	1.80						DI
CRON	26	0721	0734	0723	N24	W68	.957	9994	21.2	13	2N	8 C		2.10	5.90					
CAPE	26	0721	0735	0724	N23	W68	.955	9994	21.2	14	1N	8 C	0724	1.25						V
GRP21675	26	0820	0836	0825	N21	W59	.901	9994	21.9	16	-N			.81						5 5 5 8
CRIM	26	0820	0836	0825	N21	W59	.901	9994	21.9	16	1F	C	0825	1.34	3.20					DI
ARCE	26	0820E	0835		N21	W60	.907	9994	21.8	15D	-N	C	0826	.57	1.30					
MANI	26	0820	0837	0824	N21	W58	.894	9994	22.0	17	-F	2	0824	.36	.71					
MONT	26	0821	0829D	0826	N21	W59	.901	9994	21.9	8D	-N	C	0826	.77						
CAPS	26	0826E	0830D		N21	W58	.894	9994	22.0	4D	-N	1	0827	1.00				180		
GRP21683	26	1452	1502	1455	N20	W60	.905	9994	22.1	10	--N			.30						3 3 3 7
MONT	26	1452	1502	1456	N22	W62	.922	9994	22.0	10	-N	C	1456	.10						
SACP	26	1452	1504	1453	N21	W63	.926	9994	21.9	12	-N	C		.31	.54					
CAPS	26	1453	1500		N18	W55	.863	9994	22.5	7	-F	3	1455	.50	1.00			152		
GRP21684	26	1641	1709	1648	N22	E67	.949	10011	31.7	28	1N			1.15						3 3 3 4
HTRP	26	1640	1707D		N24	E68	.957	10011	31.8	27D	1N	C	1643	.93						
SACP	26	1641	1714	1645	N24	E65	.942	10011	31.6	33	-N	C		1.02	1.93					
BOUL	26	1643	1705	1650	N17	E68	.947	10011	31.8	22	1N	C		1.50	3.00					
GRP21685	26	1825	1833	1826	N21	W63	.926	9994	22.0	8	--N			.37						2 2 2 5
SACP	26	1824	1831	1825	N20	W63	.924	9994	22.0	7	-N	C		.52	.90					
HALE	26	1825	1834	1826	N21	W62	.920	9994	22.1	9	-N	2 C	1826	.21						
686 SACP	26	1857	1908	1858	N17	W59	.891	9994	22.4	11	--N	C		.21	.32					3
687 HALE	26	1907	1925	1910	S23	E42	.688	10006	29.9	18	--F	2 C	1910	.57	.80					3
GRP21689	26	2107	2132	2110	S19	E31	.537	10006	29.2	25	--N			.71						3 3 3 4
HUAN	26	2106	2110D		S20	E31	.542	10006	29.2	4D	-F	1 P	2107	.52	.62					
SACP	26	2107	2130	2109	S18	E31	.533	10006	29.2	23	-N	C		.83	.86					
HALE	26	2108	2133	2111	S18	E31	.533	10006	29.2	25	-N	2 C	2111	.77	.90					

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMTATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
690 SACP	26	2229	2242	2233	N23	W62	.924	9994	22.3	13	--N	C		.52	.89			3	
693 SACP	26	2326	2356D	2340	S19	W30	.524	9999	24.7	30D	-N	C		1.12	1.18			5	
GRP21694	26	2331	0002	2339	S20	E29	.5161	0006	29.2	31	-N	C		1.08				4 3 3 5	
HALE	26	2327	0000D	2339	S18	E30	.5191	0006	29.2	33D	-N	2 C	2339	1.50	1.70				
MITK	26	2330	0010	2338	S20	E28	.5031	0006	29.1	40	-N	C	2338	.83	.90			EG	
ROUL	26	2335	2355	2340	S22	E30	.5401	0006	29.2	20	-N	C		.90	1.10			E	
SACP	27	0000E	0020U	0000E	S19	E30	.5241	0006	29.3	20D	-N	C		1.02	1.06				
698 HALE	27	0123	0229	0128	N23	W76	.985	9994	21.4	66	--R	I C	0128	.31				5	
GRP21699	27	0137	0223	0149	N20	W64	.930	9994	22.3	46	1N	2		1.51				6 6 6 6	
MANI	27	0118	0315	0143	N20	W65	.935	9994	22.2	117	1N	2	0143	1.55	2.30				
HALE	27	0123	0229	0148	N21	W64	.931	9994	22.3	66	1R	1	0148	1.13				F	
CRON	27	0140E	0210	0151U	N20	W61	.911	9994	22.5	30D	1N	C		1.30	2.90			BEH	
VORO	27	0141	0225	0150	N17	W65	.930	9994	22.2	44	1R	C		1.29	2.90			DJ	
MITK	27	0143	0226	0154	N22	W65	.939	9994	22.2	43	2N	C	0150	2.27				F	
KODA	27	0150E	0217	0203	N20	W64	.930	9994	22.3	27D	1N	P	0150	1.29	2.40	2.56		J	
HALE	27	0216	0308	0220	N24	W69	.961	9994	21.9	52	-R	I C	0220	.52				K	
CRON	27	0217E	0240	0221U	N24	W66	.947	9994	22.1	23D	-N	C		.60	1.70				
GRP21700	27	0355	0403	0358	N21	W78	.989	9994	21.3	8	-N	C		.39				3 3 3 6	
MITK	27	0354	0403	0357	N21	W80	.993	9994	21.2	9	-F	C	0357	.52				D	
CRON	27	0355	0400D	0359	N21	W80	.993	9994	21.2	5D	-N	C		.40	1.30				
HALE	27	0356	0403	0358	N22	W74	.978	9994	21.6	7	-R	I C	0358	.26					
GRP21705	27	0941	1036	0958	N23	W66	.946	9994	22.5	55	--R	C		.29				2 2 2 4	
ARCE	27	0941E	1036	0955	N23	W67	.950	9994	22.4	55D	-R	C	0955	.32	.70				
CATA	27	0955E	1015D	1000	N22	W65	.939	9994	22.5	20D	-R	C	1000	.26			240	EZ	
GRP21707	27	1010	1020	1010	S33	E39	.7031	0006	30.3	10	--N	C		.52				2 1 1 4	
CATA	27	1010E	1020D	1010	S33	E39	.7031	0006	30.3	10D	-N	C	1010	.52	.73		166		
ARCE	27	1016E	1037		S34	E38	.6991	0006	30.3	21D	-N	C	1024	.47	.60				
6 STATIONS REPORTING GROUP 21710. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP21710	27	1323	1424	1341	N21	W68	.952	9994	22.5	61	2B			3.06				5 5 5 8	
CAPE	27	1323	1430	1343	N21	W70	.962	9994	22.3	67	2B			1.89				F	
HUAN	27	1333E	1419D	1340	N22	W70	.963	9994	22.3	46D	2N	I	P	1343	2.35				
HOUT	27	1334E	1415	1344	N18	W67	.943	9994	22.5	41D	2B	C		3.60	9.70			EH	
HERS	27	1337E	1430	1337U	N22	W67	.949	9994	22.5	53D	2B	C		3.25	11.40	5.90	125	EH	
LOCA	27	1338E	1504	1342	N20	W66	.941	9994	22.6	86D	2B	C		4.20					
21710	27	1322	1447	1416	N20	W70	.955	9994	22.4	85	*1N			2.50				5 5 4 9	
NERA	27	1315	1429		N22	W70	Z.630	9994	22.3	74	2R	3							
SACP	27	1320E	1500U	1327	N19	W70	.959	9994	22.3	100D	2R	C		2.50	5.26				
CAPE	27	1323	1430	1327	N19	W68	.950	9994	22.5	67	1N	C	1327	1.34				FK	
ARCE	27	1416E	1447D		N21	W71	.966	9994	22.3	31D	2N	C	1416	3.44	8.20				
HUAN	27	1428E	1502		N19	W61	.909	9994	23.0	34D	-F	I P	1430	.35					
GRP21711	27	1416	1438	(1446)	N21	W89	1.000	9994	20.6	22	-F	3		.43				2 2 1 10	
NERA	27	1406	1411		N20	W90	1.001	9994	20.8	5	1R	3							
HUAN	27	1428E	1456		N23	W88	1.000	9994	21.0	28D	-N	I P	1446	.43					
GRP21712	27	1412	1425	1415	N24	E61	.9201	0011	1.2	13	-N			.44				4 4 3 10	
SACP	27	1412	1431	1415	N25	E60	.9171	0011	1.1	19	-N	C		.41	.70				
LOCA	27	1412	1423	1414	N24	E60	.9141	0011	1.1	11	-N	V	1414	.53					
NERA	27	1412	1421		N24	E65	.9421	0011	1.5	9	1N	3							
ARCE	27	1416E	1425		N23	E58	.8991	0011	31.9	9D	-N	C	1416	.38	.80				
GRP21714	27	1530	1637	1631	N07	E81	.9901	0014	2.8	7	-N			.48				3 3 3 6	
SACP	27	1530	1641	1631	N07	E78	.9821	0014	2.5	11	-N	C		.51					
HALE	27	1530E	1636		N08	E79	.9851	0014	2.6	6D	1B	2	P	1631	.52				FV
ROUL	27	1530	1634	1631	N07	E85	.9971	0014	3.1	4	-N	C		.40	1.30			E	
GRP21719	27	2002	2013	2004	N13	E76	.9781	0014	2.5	11	-N			.41				2 2 2 4	
HALE	27	2001	2013	2004	N13	E76	.9781	0014	2.5	12	-N	I C	2004	.41					
SACP	27	2002	2012	2004	N13	E75	.9751	0014	2.5	10	-N	C		.40	.99				
720 HALE	27	2110	2122	2114	N25	E51	.8561	0011	31.7	12	--N	I C	2114	.31	.60			3	
GRP21722	27	2241	2258	2245	N22	W82	.996	9994	21.8	17	--F			.47				2 2 2 5	
HALE	27	2241	2304	2244	N22	W79	.991	9994	22.0	23	-N	I C	2244	.41					
MANI	27	2241	2252	2245	N22	W85	.999	9994	21.6	11	-F	2	2245	.52	1.50				
730 MANI	28	0421	0448	0428	N22	W90	1.001	9994	21.4	27	1N	1	0428	.72	2.30			3	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH FLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP21731 CRON MANI	28	0433	0441	0435	N21	W70	.961	9994	22.9	8	-N		.61					2 2 2 3	
	28	0433	0440	0435	N20	W70	.960	9994	22.9	7	-N		.70	1.90					
	28	0433	0442	0435	N22	W70	.963	9994	22.9	9	-N	2	.52	1.20					
733 MANI	28	0535	0548	0538	N21	W70	.961	9994	23.0	13	-N	2	.52	1.20			3		
GRP21734 MANI CRON CAPE	28	0617	0640	0627	N24	W79	.992	9994	22.3	23	-N		.96				3 2 2 4		
	28	0610	0644	0626	N24	W78	.990	9994	22.4	34	1N	2	1.03	2.60					
	28	0614	0636	0624	N24	W90	1.001	9994	21.5	22	1N		.80	3.20					
	28	0623	0635	0628	N24	W80	.994	9994	22.3	12	-N		.89						
738 CAPS	28	1147	1159		N08	E72	.958	10014	2.9	12	--F	2	.20			147	2		
741 SACP	28	1356	1402	1359	N13	E73	.967	10014	3.1	6	--N		.31	.69			3		
745 SACP	28	1518	1555	1530	N21	W73	.973	9994	23.2	37	--F		.41	.97			3		
746 SACP	28	1527	1545	1536	N14	E67	.937	10014	2.7	18	-N		.61	1.15			3		
GRP21748 HALE SACP	28	1838	1848	1841	S31	W74	.955	10001	23.2	10	--F		.31				2 2 2 4		
	28	1837	1848	1842	S30	W72	.946	10001	23.4	11	-F	3	.31						
	28	1838	1847	1840	S32	W76	.964	10001	23.1	9	-N		.31	.67					
GRP21749 HALE SACP HUAN HUAN	28	1912	1945	1920	N14	E70	.954	10014	3.1	33	-N		.73				3 3 3 4		
	28	1910	1953	1919	N13	E70	.953	10014	3.0	43	1N	3	1.13						
	28	1913	1937	1920	N14	E70	.954	10014	3.1	24	-N		.72	1.45					
	28	1915E	1920D		N13	E69	.947	10014	3.0	5D	-N	1	.35						
	28	1926	1945	1930	N16	E70	.956	10014	3.1	19	-N	1	.55						
GRP21751 SACP HUAN	28	2109	2117	2112	N13	E68	.942	10014	3.0	8	-N		.59				2 2 2 2		
	28	2106	2117	2112	N13	E66	.930	10014	2.8	11	-N		.62	1.13					
	28	2111	2114D		N13	E69	.947	10014	3.1	3D	-N	1	.55						
GRP21752 MANI SACP HOUT	28	2249	2309	2259	N13	E68	.942	10014	3.1	20	--F		.61				3 3 3 3		
	28	2243	2312		N13	E70	.953	10014	3.2	29	-F	1	.62	1.46					
	28	2254	2310	2258	N15	E68	.944	10014	3.1	16	-N		.62	1.20					
	28	2256E	2305	2259U	N12	E66	.929	10014	2.9	9D	-F		.60	1.30					
753 SACP	29	0013	0023	0015	N09	E63	.904	10014	2.7	10	--N		.31	.50			2		
754 SACP	29	0027	0033	0029	N17	E80	.991	10014	4.0	6	-N		.52				2		
GRP21755 SACP CRON MANI	29	0042	0105	0046	N06	E59	.868	10014	2.5	23	-N		1.29				3 3 3 3		
	29	0042	0109	0045	N06	E58	.859	10014	2.4	27	-N		.94	1.38					
	29	0042	0100	0046	N05	E59	.866	10014	2.5	18	1N		1.90	3.60					
	29	0045E	0105D		N06	E60	.876	10014	2.5	20D	-N	1	1.03	1.94					
6 STATIONS REPORTING GROUP 21752-					1 STATIONS OBSERVING AND NOT REPORTING.														
GRP21762 MANI CATA ARCE ARCE	29	0725	0844	0735	N17	E60	.898	10014	2.8	79	-N		.66				240		
	29	0725	0830		N16	E62	.909	10014	3.0	65	-F	2	.62	1.22					
	29	0730E	0740D	0735	N17	E57	.876	10014	2.6	10D	-B		.69						
	29	0816E	0846D		N16	E65	.929	10014	3.2	30D	-N		.79	1.90					
	29	0846	0858D		N07	E53	.815	10014	2.3	12D	1N		1.42	2.40					
21762 CRON CAPE MONT	29	0722	0830	0808	N16	E61	.903	10014	2.9	68	*-N		1.12				3 2 2 4		
	29	0722	0735	0725	N13	E61	.897	10014	2.9	13	-N		.80	1.70					
	29	0724	0830	0807	N15	E62	.807	10014	3.0	66	-N		.89	2.00					
	29	0745E	0829	0808	N16	E60	.895	10014	2.8	44D	-N		1.34						
	29	0807	0808																
GRP21764 MANI MONT	29	0831	0842	0835	N10	E02	.289	10007	29.5	11	--F		.41				2 2 2 5		
	29	0830	0843	0835	N10	E02	.289	10007	29.5	13	-F	2	.36	.38					
	29	0832	0840	0834	N09	E01	.271	10007	29.4	8	-N		.45						
GRP21767 LOCA MEUD MONT ABST	29	1009	1020	1011	N07	E52	.805	10014	2.3	11	1N		1.42				4 4 4 6		
	29	1005	1025	1010	N07	E50	.785	10014	2.2	20	-N		.95	1.60					
	29	1010	1014	1010	N08	E52	.808	10014	2.3	4	-F		.72	1.20					
	29	1010	1015	1013	N08	E52	.808	10014	2.3	5	-N		.77						
	29	1011	1025	1012	N05	E55	.830	10014	2.5	14	2N		3.23	5.40					
GRP21768 LOCA MEUD	29	1044	1052	1046	N10	E77	.980	10014	4.2	8	--F		.41				2 2 1 5		
	29	1043	1055	1046	N10	E75	.973	10014	4.1	12	-N								
	29	1044	1049	1045	N10	E78	.983	10014	4.3	5	-F		.41						
GRP21769 CATA MEUD	29	1132	1148	1133	N16	E62	.909	10014	3.1	16	--N		.46				2 2 2 4		
	29	1130	1155	1130	N18	E61	.907	10014	3.1	25	-B		.40						
	29	1133	1141	1135	N14	E62	.906	10014	3.1	8	-F		.52	1.10					

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
1969 MAR																			
GRP21770	29	1234	1248	1238	N09	W01	.271	10007	29.4	14	--N		.54					4 4 4 4	
MEUD	29	1232	1245		N10	E01	.288	10007	29.6	13	-N	C	1237	.41	.40			D	
CAPE	29	1234	1248	1239	N09	W01	.271	10007	29.4	14	-F	C	1239	.89	.90				
CATA	29	1235	1250	1235	N08	W01	.254	10007	29.4	15	-B		1235	.75	.79			246	
MONT	29	1237E	1240D	1239	N09	W01	.271	10007	29.5	3D	-N	C	1239	.10					
GRP21771	29	1250	1304	1252	N09	E58	.865	10014	2.9	14	-N		.66					2 2 2 6	
CAPE	29	1250	1310	1253	N08	E58	.863	10014	2.9	20	-N	C	1253	.80	1.60			F	
MEUD	29	1250	1257	1251	N09	E57	.857	10014	2.8	7	-N	C	1251	.52	1.00			E	
GRP21772	29	1335	1346	1338	N18	W89	1.000	9994	22.9	11	-N		.61					3 3 3 8	
SACP	29	1335	1351	1339	N18	W88	1.000	9994	23.0	16	-B	C		.52					
MEUD	29	1335	1342	1337	N19	W90	1.001	9994	22.8	7	-N	C	1337	.41					
CAPE	29	1335	1346	1339	N18	W90	1.001	9994	22.8	11	-N	C	1339	.89					
GRP21774	29	1414	1424	1416	N12	E55	.846	10014	2.7	10	--F		.69					3 3 3 8	
SACP	29	1414	1423	1415	N12	E54	.837	10014	2.6	9	-N	C		.52	.72				
MEUD	29	1414	1423	1416	N11	E55	.844	10014	2.7	9	-F	C	1416	.52	.90			D	
MONT	29	1415	1425	1417	N12	E57	.863	10014	2.9	10	-F	C	1417	1.03					
GRP21775	29	1440	1522	1453	N15	E57	.870	10014	2.9	42	-N		1.15					7 7 6 10	
MONT	29	1434	1521	1454	N16	E58	.881	10014	3.0	47	-N	C	1454	2.09					
LOCA	29	1435	1520	1450	N17	E63	.918	10014	3.3	45	-N	V	1450						
CAPS	29	1439E	1450		N08	E56	.846	10014	2.8	11D	-F	3	1440	.70	1.30			155	
CAPS	29	1440	1525	1454	N13	E57	.866	10014	2.9	45	-B	3	1454	1.00	2.00			220	
CAPE	29	1442	1525	1454	N16	E56	.865	10014	2.8	43	-N	C	1454	.98	2.00				
SACP	29	1444	1530	1455	N16	E56	.865	10014	2.8	46	-N	C		.83	1.21				
MEUD	29	1446	1511		N15	E56	.862	10014	2.8	25	-N	C	1451	.83	1.60			D	
CAPF	29	1459E	1510D		N15	E51	.819	10014	2.4	11D	1N	S	1500	1.18	2.17			BH	
GRP21776	29	1557	1607	1601	S33	W88	.996	10001	23.1	10	--F		.29					2 2 2 4	
SACP	29	1556	1605	1600	S33	W87	.994	10001	23.1	9	-F	C		.31					
MONT	29	1557	1608	1602	S32	W88	.996	10001	23.1	11	-N	C	1602	.26					
777	SACP	29	1631	1658	1641	N09	W03	.275	10007	29.5	27	--F	C		.31	.30			3
778	SACP	29	1815	1827	1819	N16	E53	.840	10014	2.7	12	--N	C		.62	.86			1
GRP21779	29	1916	1943	1923	N10	E54	.832	10014	2.9	27	1B		1.83					3 2 2 3	
SACP	29	1911	1943U	1923	N10	E54	.832	10014	2.8	32D	1B	C		2.15	2.99				
HOUT	29	1920	1943	1923U	N09	E54	.830	10014	2.9	23	1N	C		1.50	2.60			E	
HUAN	29	1932E	1939D		N08	E64	.910	10014	3.6	7D	-N	1	1932	1.08	1.89				
GRP21780	29	1951	2032	2005	N09	E53	.820	10014	2.8	41	1B		2.66					3 3 3 4	
HALE	29	1942E	2034	2001	N09	E53	.820	10014	2.8	52D	1B	2	2001	2.89	5.10				
SACP	29	2000	2040	2006	N10	E53	.823	10014	2.8	40	1B	C		2.98	4.08				
HOUT	29	2005E	2023	2007U	N08	E54	.827	10014	2.9	18D	1N	C		2.10	3.60				
781	SACP	29	2114	2125	2115	N19	W09	.457	10007	29.2	11	--F	C		.41	.40			3
GRP21782	29	2206	2218	2206	N10	E54	.832	10014	3.0	12	--N		.57					2 2 2 3	
HALE	29	2206	2215	2206	N09	E54	.830	10014	3.0	9	-N	2	2206	.62	1.10				
SACP	29	2206	2220	2206	N10	E54	.832	10014	3.0	14	-N	C		.52	.71				
783	SACP	29	2212	2224	2215	S09	W06	.111	10016	29.5	12	--F	C		.52	.51			3
GRP21784	29	2250	2316	2254	N09	W07	.295	10007	29.4	26	--N		.26					2 2 2 4	
HALE	29	2248	2315	2254	N09	W07	.295	10007	29.4	27	-N	2	2254	.21	.20				
SACP	29	2251	2316	2254	N09	W07	.295	10007	29.4	25	-N	C		.31	.30				
GRP21785	29	2348	2359	2351	N17	E51	.826	10014	2.8	11	--F		.31					2 2 2 5	
SACP	29	2347	2355D	2350	N17	E51	.826	10014	2.8	8D	-F	C		.31	.42				
HALE	29	2348	2359D	2351	N17	E50	.817	10014	2.7	11D	-F	2	2351	.31	.50				
GRP21786	30	0007	0028	0014	N09	E50	.791	10014	2.8	21	--N		.48					3 3 3 5	
HALE	30	0005	0028	0009	N10	E50	.793	10014	2.8	23	-F	1	0009	.41	.70				
SACP	30	0008	0026	0017	N09	E50	.791	10014	2.8	18	-N	C		.31	.40				
MANI	30	0008	0031	0015	N09	E51	.801	10014	2.8	23	-N	2	0015	.72	1.20				
GRP21788	30	0041	0048	0043	N06	E44	.716	10014	2.3	7	--N		.28					3 3 3 6	
SACP	30	0040	0048	0044	N06	E43	.704	10014	2.3	8	-N	C		.31	.36				
MANI	30	0041	0050	0043	N06	E45	.727	10014	2.4	9	-F	2	0043	.31	.47				
HALE	30	0042	0046	0042	N07	E43	.707	10014	2.3	4	-N	1	0042	.21	.30				
GRP21789	30	0059	0123	0102	N10	W08	.317	10007	29.4	24	--N		.44					2 2 2 5	
SACP	30	0059	0113D	0102	N09	W08	.302	10007	29.4	14D	-N	C		.42	.42				
HALE	30	0059	0123	0101	N10	W08	.317	10007	29.4	24	-N	2	0101	.46	.50				

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	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
GRP21790	1969 MAR 30	0122	0221	0125	N10	E50	.793	0014	2.8	59	-N								
MANI	30	0121	0220	0125	N09	E51	.801	0014	2.9	59	-N	2		0125	1.08	1.80			2 2 2 4
HALE	30	0122	0142	0125	N10	E49	.783	0014	2.7	20	-N	1	C	0125	.41	.70			
HALE	30	0155	0222	0202	N10	E49	.783	0014	2.8	27	-N	1	C	0202	.21	.30			
GRP21793	30	0311	0335	0317	N10	E53	.823	0014	3.1	24	--N				.47				
HALE	30	0310	0335	0319	N10	E52	.813	0014	3.0	25	-R	1	P	0319	.41	.70			2 2 2 4
MANI	30	0312	0322	0315	N09	E53	.820	0014	3.1	100	-F	1		0315	.52	.80			
GRP21794	30	0323	0417	0337	N26	E24	.644	0011	31.9	54	1F				2.15				
HALE	30	0322	0403	0331	N26	E21	.623	0011	31.7	41	-F	1	C	0331	1.24	1.60			4 4 4 6
CRON	30	0323	0405	0343	N25	E23	.626	0011	31.9	42	1F				2.10	2.60			E
MANI	30	0332E	0440	0337	N26	E27	.668	0011	1.2	68D	1N	1		0337	2.58	3.40			B
CULG	30	0336E	0418	0336	N26	E23	.637	0011	31.9	42D	1N			0336	2.68	3.38			
GRP21798	30	1242	1311	1250	N13	E47	.773	0014	3.1	29	-B				.67				
CAPE	30	1242	1310	1250	N14	E45	.757	0014	2.9	28	-N				.94	1.50			2 2 2 3
CAPS	30	1259E	1311D		N11	E48	.776	0014	3.1	12D	-R	3		1300	.40	.70			228
800 SACP	30	1641	1709	1648	N09	W18	.404	0007	29.3	28	--N				.52	.51			
801 SACP	30	1731	1800	1734	N17	E40	.720	0014	2.7	29	--N				.52	.61			
GRP21803	30	2000	2005	2002	N12	E41	.705	0014	2.9	5	--N				.39				
HUAN	30	1959	2004	2002	N11	E41	.700	0014	2.9	5	-N	1	C	2002	.25	.35			2 2 2 4
SACP	30	2000	2005	2002	N12	E41	.705	0014	2.9	5	-N				.52	.60			
GRP21804	30	2143	2221	2157	N09	E41	.692	0014	3.0	38	-N				1.39				
SACP	30	2143	2222	2153	N09	E41	.692	0014	3.0	39	-N				.92	1.07			2 2 2 3
HALE	30	2155E	2219	2200	N09	E40	.680	0014	2.9	24D	1N	1	P	2200	1.89	2.50			F
GRP21805	30	2150	2250	2200	S25	E20	.446	0013	1.4	60	-N				1.18				
SACP	30	2150	2250	2201	S26	E20	.456	0013	1.4	60	-N				1.12	1.15			2 2 2 3
HALE	30	2155E	2233D	2159	S24	E20	.436	0013	1.4	38D	-N	1	P	2159	1.24	1.40			S
GRP21807	31	0530	0601	0534	N23	E05	.500	0011	31.6	31	1N				1.83				
CULG	31	0529	0619	0535	N25	E05	.530	0011	31.6	50	1N				2.06	2.30			4 3 3 5
MANI	31	0529	0611	0533	N23	E07	.506	0011	31.8	42	-N	2		0533	1.44	1.70			H
CRON	31	0531	0540	0534	N23	E04	.498	0011	31.5	9	1N				2.00	2.30			
TACH	31	0545E	0554		N23	E02	.495	0011	31.4	9D	1N				2.00	2.30			2.00
MANI	31	0609	0622	0613	N20	E07	.462	0011	31.8	13	-F	1	V	0613	.31	.36			69
GRP21808	31	0719	0800	0732	S11	W24	.408	0016	29.5	41	-N				1.13				
CULG	31	0715	0744D	0731	S12	W25	.426	0016	29.4	29D	1F				2.06	2.10			3 3 3 9
MANI	31	0722	0800	0732	S10	W22	.375	0016	29.7	38	-N	2		0732	.62	.66			K
ARCE	31	0728E	0751D		S10	W26	.437	0016	29.4	23D	-N			0734	.72	.80			
GRP21812	31	1158	1219	1201	N14	E36	.659	0014	3.2	21	--N				.56				
MONT	31	1158	1216	1159	N14	E35	.648	0014	3.1	18	-N				.21				
CAPE	31	1158	1215	1203	N13	E34	.630	0014	3.0	17	-F				.76	1.00			
CAPS	31	1203E	1225		N14	E38	.682	0014	3.4	22D	-N	3		1205	.70	.90			176
GRP21814	31	1307	1323	1313	N24	E12	.541	0011	1.4	16	--F				.71				
MONT	31	1304	1329	1313	N25	E13	.560	0011	1.5	25	-N				1.13				2 2 2 5
HUAN	31	1310	1317		N23	E10	.518	0011	1.3	7	-F	1		1312	.28	.32			
GRP21815	31	1346	1353	1348	N25	E00	.524	0011	31.6	7	--N				.39				
MONT	31	1346	1353	1349	N25	E00	.524	0011	31.6	7	-N				.36				2 2 2 7
SACP	31	1346	1352	1347	N25	E00	.524	0011	31.6	6	-N				.41	.43			
GRP21819	31	1513	1557	1518	N06	E35	.604	0014	3.3	44	--N				.87				
SACP	31	1512	1543	1518	N06	E34	.591	0014	3.2	31	-N				.83	.89			2 2 2 5
CAPS	31	1514	1610D		N05	E35	.599	0014	3.3	56D	-N	3		1526	.90	1.30			189
GRP21821	31	1615	1628	1615	N09	E34	.606	0014	3.2	13	--N				.36				
SACP	31	1612	1632	1615	N10	E32	.587	0014	3.1	20	-N				.31	.33			2 2 2 4
CAPS	31	1617	1623		N08	E35	.613	0014	3.3	6	-N	3		1620	.40	.50			165
822 SACP	31	1751	1802	1755	N12	E24	.504	0014	2.5	11	--N				.52	.53			
823 SACP	31	1855	1900	1857	S14	W73	.951	0008	26.3	5	--N				.21	.42			
824 SACP	31	1940	1947	1943	N12	E23	.492	0014	2.5	7	--N				.31	.32			
825 SACP	31	1948	1957	1952	N09	E19	.415	0014	2.2	9	--N				.31	.31			
827 SACP	31	2032	2047	2037	N26	W05	.544	0011	31.5	15	--N				.52	.54			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
GRP21828 MANI VORO	MAR 31	2337	2343	(2339)	N09	E24	.478	0014	2.8	6	--N			.69				2 2 2 4	
	31	2337E	2344D		N07	E23	.449	0014	2.7	7D	-F	1	2339	.36	.37				
	31	2337E	2342		N10	E25	.499	0014	2.9	5D	-R		2338	1.02	1.30		81	E	
829 VORO	31	2347	2354	2348	N25	W08	.538	0011	31.4	7	-R		2348	1.47	1.80		83	EJ	3

"Remarks":

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

Note:

A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.

When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

In the importance column "--" signifies the subflare has been confirmed by the ESSA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity.

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1969	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %	
					LAT.	MER. DIST.													
162 MANI	01	0442	0500	0447	N21	W68	.953	9946	24.1	18	-F	2	0447	.77	1.66			5	
165 CANR	01	1200	1215	1205	N13	E45	.755	9963	4.9	15	1N	C		1.40	2.20			4	
166 HTPR	01	1507	1530	1515	N12	W85	.998	9946	23.3	23	-N	C	1515	.31				A	5
167 SACP	01	1608	1614	1608	S18	W02	.190	9957	1.5	6	-N	C		.27	.26			5	
170 HALE	01	1858	1902	1859	S17	W04	.183	9957	1.5	4	-B	3	1859	.10	.10			D	4
172 MCMA	01	2032	2106	2038	S29	W90	.998	9945	23.1	34	-N	C	2038					3	
176 MANI	02	0020	0031		N13	E55	.850	9966	6.1	11	-F	2	0023	.41	.74			5	
179 MANI	02	0504E	0518D		S26	W07	.341	9957	1.7	14D	-F	2	0510	.52	.55			3	
182 MCMA	02	1413	1417	1414	N13	E68	.943	9966	7.7	4	-F	C	1414	.26	.80			D	6
GRP21183	02	1435	1459	1444	S20	W16	.344	9957	1.4	24	-F			.52				2	
HUAN	02	1432	1502D		S19	W14	.309	9957	1.6	30D	-F	1	1445	.31	.32			2	
MCMA	02	1438	1455	1444	S20	W17	.356	9957	1.3	17	-N	C	1444	.72	.80			E	
192 MANI	03	0324E	0332	0327	N11	W90	1.000	9946	24.4	8D	1N	2	0327	2.06	6.60			6	
193 MITK	03	0440	0453	0443	N18	E49	.815	9966	6.9	13	-N	C	0443	.52	.90			E	5
194 CAPS	03	1148	1159		N12	E54	.839	9966	7.5	11	-N	3	1150	.30	.50		185	5	
GRP21195	03	1319	1347	1330	N16	E29	.601	9966	5.7	28	-N			1.25				4	
CAPE	03	1315	1350	1330	N16	E26	.569	9966	5.5	35	-N	C	1330	.80	1.00			F	
CAPS	03	1319	1344D		N16	E33	.644	9966	6.0	25D	-B	2	1322	.60	.90		256	E	
WEND	03	1321	1342		N15	E27	.571	9966	5.6	21	1F			3.09					
MCMA	03	1322	1350	1330	N17	E28	.599	9966	5.7	28	-N	C	1330	.52	.60			E	
204 MANI	04	0551	0611	0555	S29	W31	.594	9957	1.9	20	-F	2	0555	.52	.65			4	
GRP21207	04	1407	1418	1409	S17	W42	.671	9957	1.4	11	-F			.35				2	
HUAN	04	1407	1418		S17	W41	.658	9957	1.5	11	-F	1	1408	.35	.47			2	
ONDR	04	1407	1418	1409	S17	W42	.671	9957	1.4	11	-F	V	1409				1.70	CD	
208 MCMA	04	1434	1446	1437	N23	E02	.505	9965	4.8	12	-F	C	1437	.52	.60			E	6
212 HUAN	04	1946E	2021D		N18	E80	.992	9976	10.8	35D	-N	1	1949	.67				S	3
214 MCMA	04	2152	2157D	2154	N02	E01	.161	9963	5.0	5D	-N	P	2154	.72	.80			E	3
215 HUAN	04	2220	2240D		S19	W46	.721	9957	1.5	20D	-N	1	2239	.55	.76			6	
216 MANI	04	2253	2309	2256	S18	W45	.708	9957	1.6	16	-F	2	2256	.52	.75			4	
218 MANI	05	0551	0608	0556	S19	W06	.227	9964	4.8	17	-F	2	0556	.83	.86			4	
221 CATA	05	0800E	0830	0800	N16	E02	.396	9966	5.5	30D	-B		0800	.52	.57		229	8	
GRP21223	05	0920	0951	0936	N14	E67	.938	9976	10.4	31	-N			.50				2	
ONDR	05	0910E	1000		N12	E63	.910	9976	10.1	50D	1N		0936				2.30	CDHJ	
CANR	05	0930	0942	0936	N15	E70	.955	9976	10.6	12	-N	C		.50	1.30			1	
224 MCMA	05	1222E	1234		N15	E73	.969	9976	11.0	12D	-N	C	1223	.41	1.40			D	6
225 MCMA	05	1246	1258	1249	N15	E73	.969	9976	11.0	12	-N	C	1249	.41	1.40			D	5
228 SACP	05	1515E	1520D	1515U	N17	W16	.484	9965	4.4	5D	-F	P		.55	.56			7	
229 CAPS	05	1537E	1630D		N14	E90	1.000	9980	12.4	53D	1N	3						A	5
230 MCMA	05	1539	1547	1542	N10	E16	.398	9966	6.9	8	-F	C	1542	.41	.40			E	5
231 MCMA	05	1606	1612	1607	N11	E26	.525	9966	7.6	6	-N	C	1607	.31	.30			DL	4
234 HUAN	05	2118	2130		S18	W15	.311	9964	4.8	12	-F	1	2121	.37	.39			4	
243 SACP	07	0000E	0020	0005	N13	E00	.346	9966	7.0	20D	-N	C		.63	.63			5	
244 SACP	07	0029	0052	0034	N07	W30	.547	9963	4.8	23	-N	C		.55	.58			4	
246 CULG	07	0240	0350D	0259	S17	W33	.554	9964	4.6	70D	1F	P	0259	2.89	3.36			G	5
247 ARCE	07	0705E	0715		N12	W15	.412	9966	6.2	10D	-N	C	0705	.91	1.00			8	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
248 MONT	07	0757	0804	0800	N12	W04	.336	9966	7.0	7	-N	C	0800	.10				11	
249 MONT	07	0904	0916	0909	N19	E56	.875	9984	11.6	12	-N	C	0909	.10				10	
GRP21250	07	0942	1008	(1001)	N18	E53	.849	9984	11.4	26	-F	C		.37				2 2 1 9	
ARCE	07	0942E	1005		N19	E55	.868	9984	11.5	23D	-N	C	1003	.37	.70			E	
ONDR	07	0956E	1010		N17	E51	.828	9984	11.2	14D	1F	V	0959			2.00		CJ	
251 MONT	07	1022	1029	1025	N19	E56	.875	9984	11.6	7	-N	C	1025	.10				8	
253 ONDR	07	1212E	1224		N13	W12	.399	9966	6.6	12D	-F	V	1215			1.20		CDJ 9	
254 CANR	07	1412	1419	1415	S21	W90	.999	9957	28.8	7	1N	C		.70	2.40			10	
261 MCMA	08	1257	1303	1258	S12	E88	.998	9986	15.1	6	-F	C	1258					D 6	
262 MCMA	08	1310	1322	1312	N33	E72	.982	9985	13.9	12	-N	C	1312	.31	1.20			D 6	
263 MCMA	08	1400	1406	1402	N33	E72	.982	9985	14.0	6	-N	C	1402	.21	.80			D 7	
264 MCMA	08	1424	1432	1426	N33	E71	.979	9985	13.9	8	-N	C	1426	.41	1.50			EH 8	
GRP21265	08	1425	1506	1432	S20	W93	1.000	9957	1.6	41	-F	C		.45				2 1 1 8	
SACP	08	1425	1506	1432	S20	W93	1.000	9957	1.6	41	-F	C		.45				E	
MCMA	08	1441	1455		S17	W90	.999	9957	1.9	14	-N	C	1444						
266 HTPR	08	1455	1506	1455	N14	W23	.518	9966	6.9	11	-F	C	1455	.52	.60			U 5	
269 HUAN	08	2035E	2040D		N32	E63	.949	9985	13.6	5D	1N	I	P	2037	.95				3
270 HUAN	08	2035E	2040D		N18	E35	.679	9984	11.5	5D	-N	I	P	2037	.33	.44			D 3
271 HALE	08	2047	2112	2051	S09	E75	.962	9986	14.5	25	-N	2	C	2051	.21				4
273 CULG	08	2314	0018	2332	S08	E78	.975	9986	14.8	64	1F	C	2332	.83				5	
274 SACP	08	2355	2357D	2357U	N12	W34	.628	9966	6.4	2D	-N	C		.63	.70			5	
275 SACP	09	0000E	0006	0000U	N13	W35	.646	9966	6.4	6D	-F	P		.19	.20			5	
277 SACP	09	0028	0046	0040	N13	W35	.646	9966	6.4	18	-N	C		.46	.52			5	
278 MANI	09	0240	0301	0248	N11	W49	.789	9966	5.4	21	-F	2		0248	.31	.57			4
279 MANI	09	0455	0503	0457	N13	W35	.646	9966	6.6	8	-N	2		0457	.41	.51			5
283 HTPR	09	0741	0750	0744	N08	W63	.904	9963	4.6	9	-N	C	0744	.31	.70			D 4	
284 MANI	09	0829E	0845		N10	W50	.795	9966	5.6	16D	-F	2		0834	.41	.66			5
GRP21285	09	0855	0930	0856	N12	W52	.821	9966	5.5	35	-N	C		.21				2 1 1 8	
HTPR	09	0855	0930	0856	N12	W52	.821	9966	5.5	35	-N	C	0856	.21	.30			D	
ARCE	09	0910E	0925D		N12	W54	.839	9966	5.3	15D	-N	P	0915	.28	.50				
GRP21286	09	0922	0931	0924	N15	W41	.723	9966	6.3	9	-N	C		.33				2 2 2 9	
HTPR	09	0918	0927	0922	N14	W40	.707	9966	6.4	9	-N	C	0922	.31	.40			D	
ARCE	09	0925	0935	0925	N16	W41	.729	9966	6.3	10	-N	C	0925	.34	.50			D	
287 ARCE	09	0935	0940	0940	S11	E65	.900	9986	14.3	5	-N	C	0940	.27	.60			DH 9	
290 CAPS	09	1217	1226		S10	E70	.934	9986	14.8	9	-B	2		1218	.20		220		5
291 MCMA	09	1250E	1256		S10	E65	.901	9986	14.4	6D	-N	C	1251	.21	.60			D 6	
294 MCMA	09	1551E	1604		N15	W70	.955	9966	4.4	13D	-F	P	1551	.21	.70			D 6	
300 HUAN	09	2034	2050D	2042	N12	W62	.903	9966	5.2	16D	-N	I	P	2042	.52	1.09			3
303 MANI	10	0621	0645	0628	N18	W59	.895	9966	5.8	24	-F	2		0628	.67	1.24			3
304 ARCE	10	0705E	0710		S19	E90	.999	9988	17.0	5D	1B	C	0705	.46	2.70			6	
GRP21305	10	0808	0815	0811	S20	E90	.999	9988	17.1	7	-N	C		.31				2 2 2 7	
ARCE	10	0808	0816	0812	S22	E90	.999	9988	17.1	8	-N	C	0812	.31	1.80				
MANI	10	0809E	0813	0809	S17	E89	.999	9988	17.0	4D	-N	2	0809	.31	.98				
307 ARCE	10	0818	0825	0823	S22	E90	.999	9988	17.1	7	1N	C	0823	.40	2.20			7	
309 CRON	10	0940	0948	0943	N32	E45	.849	9985	13.8	8	1N	C		1.40	2.50			6	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
					LAT.	MER. DIST.													
310 ZURI	1969 MAR 10	0944	0949	0945	N12	W53	.830	9966	6.4	5	-F	C	0945	.53	.90			6	
311 CATA	10	1025E	1030D	1025	N13	W44	.745	9966	7.1	5D	-N		1025	.29	.43		184	5	
314 HUAN	10	1858	1950	1942	S14	E89	.999	9988	17.5	52	-N	I C	1942	.31				H	3
315 SACP	10	2323	2337	2326	S12	E92	1.000	9988	17.9	14	-N	C		.36					6
316 CULG	10	2338	0019	2350	N13	W47	.776	9966	7.5	41	1N	C	2350	1.44	2.20			E	6
317 CULG	11	0140	0236	0200	N14	W49	.799	9966	7.4	56	1N	C	0200	1.55	2.40				4
318 HALE	11	0151	0157		S15	E88	.998	9988	17.7	6	1N	2 P	0154	.36					4
319 MANI	11	0340	0352D	0342	S05	E49	.752	9986	14.8	12D	-F	2	0342	.41	.64				5
GRP21320 CULG CRIM	11	0552	0635	0613	N14	W51	.818	9966	7.4	43	1N			1.55				2 I I	5
	11	0552	0635D	0613	N14	W51	.818	9966	7.4	43D	1N	P	0617	1.55	2.60				
	11	0556E	0618D		N10	W56	.851	9966	7.0	22D	1F	P	0556	.90	1.68			BE	
321 CATA	11	0750E	0800	0750	S15	E43	.680	9986	14.6	10D	-F		0750	.29	.40		146		7
323 CAPS	11	1045	1056		N12	W51	.811	9966	7.6	11	-F	2	1053	.80	1.30		158		4
327 CATA	11	1355E	1400D	1355	S19	E78	.972	9988	17.4	5D	-N		1355	.14			162		4
329 MCMA	11	1544	1604	1545	N12	W55	.848	9966	7.5	20	-N	C	1545	.26	.40			D	4
331 MCMA	11	1705E	1743		N12	W56	.856	9966	7.5	38D	-N	P	1713	.52	1.00			EH	3
334 HUAN	11	2018E	2022D		S11	E32	.527	9986	14.2	4D	-F	I P	2019	.25				E	4
342 CRON	12	0443	0455	0446	N13	W67	.937	9966	7.2	12	-N	C		.40	1.00			H	4
343 MANI	12	0554	0557D	0555	N10	W66	.927	9966	7.3	3D	-F	2	0555	.52	1.05				4
GRP21344 CATA ISTA	12	0710	0745	0715	N14	W65	.926	9966	7.4	35	-N			.29				2 I I	5
	12	0710E	0735D	0715	N16	W66	.936	9966	7.3	25D	-N		0715	.29			174	Z	
	12	0730	0754		N12	W64	.917	9966	7.5	24	-N								
345 HUAN	12	1339	1413		N11	W75	.974	9966	6.9	34	-N	I C	1341	.72					7
349 HUAN	12	2126E	2133		N15	W75	.977	9966	7.3	7D	-F	I P	2127	.31					5
350 MCMA	12	2141	2151	2143	N12	W82	.994	9966	6.8	10	-N	C	2143					EH	5
354 MITK	13	0310E	0342	0316	S14	E65	.899	9988	18.0	32D	1F	C	0316	1.24	2.80				4
356 ISTA	13	0615	0708		N10	W78	.983	9966	7.4	53	-F								7
357 CATA	13	0735	0810	0740	S14	E56	.823	9988	17.5	35	-N		0740	.40	.69		178		6
362 MCMA	13	1528	1545D	1531	N31	E04	.621	9988	13.9	17D	-N	C	1531	.52	.60			E	4
363 MCMA	13	1629	1634	1631	S11	E11	.199	9986	14.5	5	-N	C	1631	.31	.30			D	4
365 HALE	13	1808	1827	1811	S11	E53	.792	9988	17.7	19	-F	3 C	1811	.36	.60				5
366 HUAN	13	1915	1929	1917	S17	E52	.784	9988	17.7	14	-F	I C	1917	.45	.70				5
367 MCMA	13	2023	2030	2025	N12	W90	1.000	9966	7.1	7	-F	C	2025					D	5
369 HALE	13	2046	2054	2048	N21	E81	.995	9994	19.9	8	-N	2 C	2048	.26					5
372 MANI	14	0030E	0035D		N16	W90	1.001	9966	7.3	5D	-F	2	0033	.52	1.70				6
374 HALE	14	0303	0321D	0307	N11	E89	1.000	9994	20.8	18D	-B	2 P	0307	.21				K	3
376 CRON	14	0623	0630	0625	N13	E90	1.000	9994	21.0	7	-N	C		.40	1.60				6
377 CRIM	14	0626E	0645D	0630	S17	E47	.730	9988	17.8	19D	1F	C	0630	1.53	2.20			D	6
378 CRON	14	0808E	0813	0809	N11	E85	.998	9994	20.7	5D	-N	C		.50	1.70			E	8
379 MANI	14	0850E	0857D		S16	E48	.740	9988	18.0	7D	-F	2	0855	.41	.62				6
381 CAPE	14	1158	1207	1202	N22	E73	.975	9994	20.0	9	-F	C	1202	.80					4
382 HUAN	14	1848E	1857D		N10	E80	.989	9994	20.8	9D	-F	I P	1851	.57					3

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS		
	DATE MAR	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
386 MITK	15	0100	0105	0103	N12	E75	.974	9994	20.7	5	1F	C	0103	.83				D	5		
387 CATA	15	0840E	0900D	0840	N11	E62	.901	9994	20.0	20D	-N		0840	.58			158		10		
389 MCMA	15	1253	1310		N12	E65	.923	9994	20.4	17	-N	C	1253	.52	1.20			E	4		
390 HUAN	15	1417	1442		N23	E08	.518	9995	16.2	25	-F	I	C	1433	.93	1.06				4	
391 MCMA	15	1445	1500	1447	N12	E64	.917	9994	20.4	15	-F	C	1447	.62	1.50			EH	4		
395 HUAN	15	1930	2024		N20	E89	1.000	9994	22.5	54	-N	I	C	1941	.75					3	
396 HUAN	15	2014	2036	2030	N23	E06	.511	9995	16.3	22	-N	I	P	2030	.47	.54				3	
400 MANI	16	0000	0012	0002	N12	E60	.888	9994	20.5	12	-F	2		0002	.72	1.40				5	
402 MANI	16	0447E	0502D		N12	E60	.888	9994	20.7	15D	-F	2		0450	.93	1.80				4	
403 CRON	16	0542	0600	0544	N09	E72	.959	9994	21.6	18	-N	C		.40	1.00			H	4		
404 CATA	16	0825E	0910D	0840	N17	E41	.733	9994	19.4	45D	-N		0840	.29	.42		151		6		
405 CAPS	16	1158	1215		N24	W04	.521	9995	16.2	17	-N	3	1200	.80	.90		189	E	5		
406 MCMA	16	1300	1322	1308	S12	W35	.571	9986	13.9	22	-F	C	1308	.21	.30			D	5		
415 HUAN	16	2040	2046	2043	N12	E59	.881	9994	21.3	6	-N	I	C	2043	.41	.87				4	
416 HUAN	16	2042	2056	2046	N18	E76	.982	9994	22.6	14	-N	I	C	2046	.57					4	
418 HUAN	16	2136E	2140D		N18	E85	.999	9994	23.3	4D	-N	I	P	2137	.28					3	
419 HUAN	16	2150E	2222D		N19	E83	.997	9994	23.1	32D	-N	I	P	2200	.21					3	
420 HUAN	16	2211	2222D		N15	E30	.603	9994	19.2	11D	-N	I	P	2217	.31	.39			D	3	
422 SACP	17	0050	0104	0051	N22	W12	.521	9995	16.1	14	-N	C		.71	.75					5	
423 CRON	17	0145	0154	0148	N24	E64	.938	9994	21.9	9	-N	C		.50	1.30			E	4		
429 ARST	17	0806	0814	0807	N20	E89	1.000	9994	24.0	8	1N	C	0807	.90			73	AD	5		
GRP21430	17	0829	0851	0834	N12	E41	.708	9994	20.4	22	-N			2.62				2	2	2	6
CANR	17	0826	0845	0834	N11	E41	.703	9994	20.4	19	-N	C		1.10	1.50			E			
WEND	17	0832	0856		N12	E41	.708	9994	20.4	24	1N	V		4.13							
432 HUAN	17	1345	1355	1349	N17	E26	.577	9994	19.5	10	-F	I	C	1349	.12	1.15			E	6	
433 SACP	17	1358	1438	1408	N24	W20	.598	9995	16.1	40	-F	C		.62	.66					5	
438 HUAN	17	2025	2044D	2033	N12	E37	.662	9994	20.6	19D	-F	I	P	2033	.18	.23				4	
439 HUAN	17	2110E	2116D		N11	E19	.441	9994	19.3	6D	-F	I	P	2111	.10	.11				3	
441 HUAN	17	2222E	2246D		N12	E17	.431	9994	19.2	24D	-N	I	P	2243	.55	.60				3	
443 MANI	18	0002E	0002D		N14	E17	.454	9994	19.3		-F	I		0002	.72	.81				4	
445 MANI	18	0048E	0049D		N12	E35	.639	9994	20.7	1D	-F	I		0048	.36	.41				4	
448 MITK	18	0528	0549	0532	S07	W48	.739	9986	14.6	21	-N	C	0532	1.34	2.00			H	4		
GRP21450	18	0728	0830	0810	N12	E27	.544	9994	20.3	62	-F			1.45				2	2	2	7
CRON	18	0728U	0825	0805	N13	E27	.552	9994	20.3	57D	-F	C		1.40	1.70			E			
CATA	18	0810E	0835D	0815	N11	E31	.545	9994	20.7	25D	-N		0815	.87	1.08		172				
CATA	18	0810E	0835D	0815	N12	E23	.497	9994	20.1	25D	-N		0815	.63	.74		157				
451 CATA	18	0810E	0835D	0815	N21	E54	.866	9994	22.4	25D	-F		0815	.46	.93		141	Z		7	
GRP21452	18	0810	0835	0815	N14	E14	.427	9994	19.4	25	-N			.92				1	1	1	7
CATA	18	0810E	0835D	0815	N12	E15	.411	9994	19.5	25D	-N		0815	.63	.70		155				
CATA	18	0810E	0835D	0815	N17	E14	.466	9994	19.4	25D	-F		0815	.29	.33		138				
453 ARCE	18	0853	0918	0900	S32	E61	.881	10001	22.9	25	-F	C	0900	.44	1.00					6	
454 HTPR	18	0935	0945	0938	N14	W12	.411	9996	17.5	10	-F	C	0938	1.03	1.10					6	
455 ARCE	18	0950	1020D	1000	N16	E48	.797	9994	22.0	30D	-N	C	1000	.35	.60					6	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS				REMARKS		
	DATE 1969	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH H α	MAX. INT. %
					LAT.	MER. DIST.													
456 ARCE	18	0950	1010D	1000	N20	E54	.863	9994	22.5	20D	-N	C	1000	.25	.50			6	
457 CANR	18	1012	1024	1015	N30	W56	.908	9985	14.2	12	-F	C		.50	1.10			E 9	
458 CAPS	18	1059	1108D		N10	E20	.442	9994	20.0	9D	-N	3	1102	.50	.60		170	5	
461 CAPS	18	1400	1410		S31	E60	.872	0001	23.1	10	-R	3	1402	.50	1.00		204	7	
GRP21462	18	1455	1536	1504	N21	E61	.914	9994	23.2	41	-F			1.41				2 2 2 8	
SACP	18	1453	1551	1504	N23	E66	.946	9994	23.6	58	-N	C		.92	1.78				
CANR	18	1457	1520	1503	N21	E60	.908	9994	23.1	23	1F	C		1.90	4.20			E	
SACP	18	1538	1558	1541	N19	E57	.882	9994	22.9	20	-N	C		.31	.47				
467 HOUT	18	2014	2025	2016	S23	E45	.720	10000	22.2	11	-N	C		1.20	1.70			E 3	
470 SACP	19	0010	0027U	0014	N12	E21	.474	9994	20.6	17D	-N	C		.31	.31			4	
471 SACP	19	0020	0040	0030	N19	E48	.809	9994	22.6	20	-N	C		.72	.96			4	
GRP21475	19	0559	0625	0601	N11	E02	.312	9994	19.4	26	-N			1.80				2 1 1 6	
ABST	19	0559	0625	0601	N11	E02	.312	9994	19.4	26	-N	P	0601	1.80	1.90		64	D	
MANI	19	0602	0624	0613	N12	E05	.337	9994	19.6	22	-F	2	0613	.83	.87				
476 MANI	19	0900	0910	0902	N20	E50	.830	9994	23.1	10	-F	2	0902	.62	1.07			5	
478 WEND	19	1101E	1130D		N18	E47	.796	9994	23.0	29D	1F	V		2.58				5	
GRP21480	19	1449	1508	1455	N14	E06	.373	9994	20.1	19	-N			1.97				2 2 2 7	
SACP	19	1447	1510U	1455	N13	E06	.357	9994	20.1	23D	-N	C		1.84	1.82				
HOUT	19	1450	1505	1454	N14	E06	.373	9994	20.1	15	1N	C		2.10	2.30			E	
481 MEUD	19	1526	1542		N10	E10	.338	9994	20.4	16	-F	C	1528	.52	.50			D 6	
482 SACP	19	1530	1543	1534	N22	E33	.688	9994	22.1	13	-N	C		.40	.47			6	
485 BOUL	19	1935	2003	1938	N30	W90	1.002	9985	13.1	28	1N	C		.80	3.20			5	
489 MANI	20	0034	0145	0038	S16	W27	.468	9988	18.0	71	-F	2	0038	.31	.36			5	
490 HALE	20	0322	0334	0324	S18	E42	.673	9994	23.3	12	-F	1	C	0324	.41	.60			6
491 CAPS	20	0705	0709D		N12	W05	.337	9994	19.9	4D	-N	3	0706	.40	.40		189	E 6	
493 ARCE	20	0830E	0840D		S11	W38	.612	9988	17.5	10D	-N	C	0834	.60	.80			8	
495 HTPR	20	1006	1012	1008	N20	E29	.634	9994	22.6	6	-F	C	1008	.62	.80			7	
496 ARCE	20	1016E	1100D		S11	W38	.612	9988	17.6	44D	-N	C	1040	.63	.80			8	
497 HTPR	20	1138	1236	1158	S17	E30	.514	9994	22.7	58	-F	C	1158	.41	.50			7	
498 HTPR	20	1312	1318	1314	S25	E12	.363	10000	21.4	6	-F	C	1316	.52	.60			E 7	
2 STATIONS REPORTING GROUP 21499. 6 STATIONS OBSERVING AND NOT REPORTING.																			
GRP21499	20	1327	1341	1334	N13	W07	.362	9994	20.0	14	-N			.69				2 2 2 8	
HTPR	20	1327	1337	1333	N13	W08	.368	9994	20.0	10	-F	C	1336	.62	.70				
CATA	20	1335E	1345D	1335	N13	W06	.357	9994	20.1	10D	-B		1335	.75	.81		204		
499 CATA	20	1335E	1345D	1335	N13	E01	.343	9994	20.6	10D	*-N		1335	.93	.99		182	8	
500 CATA	20	1335E	1345D	1335	N18	E25	.576	9994	22.4	10D	-N		1335	.46	.57		160	Z 8	
501 HTPR	20	1351	1356	1352	S30	E33	.623	0001	23.1	5	-F	C	1352	.31	.40			5	
GRP21505	20	1509	1538	1534	N24	E42	.782	9994	23.8	29	-N			.79				4 3 3 7	
CAPS	20	1505E	1510D		N20	E42	.759	9994	23.8	5D	-N	1						C	
SACP	20	1508	1533	1530	N25	E39	.762	9994	23.6	25	-N	C		.40	.50				
HTPR	20	1510	1537D		N26	E46	.825	9994	24.1	27D	-N	C	1529	.93	1.10				
CATA	20	1537E	1545D	1537	N20	E40	.740	9994	23.7	8D	-B		1537	1.04	1.62		209		
509 SACP	20	2122	2142	2135	N13	W18	.452	9994	19.5	20	-N	C		.51	.52			4	
510 SACP	20	2146	2205	2149	N13	W11	.388	9994	20.1	19	-B	C		1.32	1.32			3	
511 HALE	20	2303	2310	2304	N23	E21	.593	9994	22.5	7	-F	1	C	2304	.21	.30			4
512 MANI	20	2316	2329	2319	N12	E04	.333	9994	21.3	13	-F	1	2319	.72	.76			4	
513 MANI	20	2326	2342	2328	N21	E20	.563	9994	22.5	16	-F	1	2328	1.24	1.51			4	

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OBSERVATORY	OBSERVED UT			MAX. PHASE	LOCATION				DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS				
	DATE 1969 MAR	START	END		APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %			
514 HALE	20	2348	2355D	2349	N23	E21	.593	9994	22.6	7D	-N	1	P	2349	.26	.30			K	3		
518 MANI	21	0529	0540	0533	N11	W04	.317	9994	20.9	11	-F	2		0533	.72	.76				3		
519 HTPR	21	0625E	0700		N20	E20	.551	9994	22.8	35D	-F		C	0628	1.03	1.10				5		
520 HTPR	21	0704	0730	0706	N20	E00	.454	9994	21.3	26	-F		C	0706	.62	.60				5		
GRP21522	21	0740	0750	0745	N17	E12	.451	9994	22.2	10	-N				.23				1	1	1	6
CATA	21	0740E	0750	0745	N17	E12	.451	9994	22.2	10D	-N			0745	.14	.16						
CATA	21	0745E	0750	0745	N18	E12	.465	9994	22.2	5D	-N			0745	.23	.27				162	178	
GRP21523	21	0750	0815	0801	S32	E23	.543	10001	23.1	25	-F				.80				2	2	2	8
MANI	21	0750	0815	0801	S31	E22	.524	10001	23.0	25	-F	2		0801	.72	.82						
CAPE	21	0754E	0815	0800	S32	E23	.543	10001	23.1	21D	-N		P	0800	.88	1.00				F		
524 CAPS	21	0806	0820		N19	E16	.506	9994	22.5	14	-N	3		0808	1.00	1.10				170	8	
527 MANJ	21	0840	0920	0844	S32	E24	.552	10001	23.2	40	-F	2		0844	.72	.88					8	
531 CAPS	21	1016	1023		N21	E05	.476	9994	21.8	7	-N	3		1019	1.20	1.40				180	6	
532 CAPS	21	1017	1020		N10	W06	.310	9994	21.0	3	-N	3		1019	.60	.60				180	6	
GRP21537	21	1435	1450	1437	S31	E17	.481	10001	22.9	15	-F				.47				2	2	2	7
ARCE	21	1435	1450	1437	S32	E19	.509	10001	23.0	15	-N		C	1437	.69	.80						
HUAN	21	1444E	1447D		S30	E15	.453	10001	22.7	3D	-F	1	P	1444	.25	.28						
538 ARCE	21	1513	1522D		S32	E19	.509	10001	23.1	9D	1N		C	1514	2.18	2.50					6	
549 MANI	21	2310	2322D	2320	S32	E11	.454	10001	22.8	12D	-N	2		2320	.67	.75					3	
554 CROK	22	0250	0308	0256	N17	E00	.407	9994	22.1	18	-F		C		1.80	2.00					EI	5
558 MANI	22	0505E	0512D		N11	W18	.429	9994	20.9	7D	-F	1		0505	.62	.68					3	
559 MANJ	22	0535E	0549		N21	E08	.486	9994	22.8	14D	-F	2		0535	.41	.47					4	
560 MANI	22	0601	0622D	0610	N11	W19	.440	9994	20.8	21D	-F	2		0610	.62	.64					6	
563 MITK	22	0724	0731	0726	S33	E10	.464	10001	23.1	7	-F		C	0726	.52	.60					D	9
565 ARCE	22	0810E	0900D		N21	E02	.470	9994	22.5	50D	-N		C	0820	.63	.70					Z	6
GRP21566	22	0857	0915	0900	S30	E11	.426	10001	23.2	18	-N				.78				2	2	2	7
ARCE	22	0855	0925D	0900	S30	E09	.415	10001	23.0	30D	-N		C	0900	1.16	1.30						
CAPS	22	0858	0904		S30	E12	.432	10001	23.3	6	-N	2		0859	.40	.40				164		
567 ARCE	22	0925E	0925D		N14	W27	.560	9994	20.4		-N		P	0925	.79	1.00					E	8
568 ARCE	22	1000	1000D		N16	W50	.815	9994	18.7		-N		P	1000	.63	1.10					E	6
569 CAPS	22	1015	1020		N17	W10	.438	9994	21.7	5	-N	2		1015	.50	.60				164	4	
GRP21570	22	1059	1115	(1102)	N19	W06	.449	9994	22.0	16	-N				2.40				2	2	2	6
WEND	22	1058	1108D		N20	W07	.467	9994	21.9	10D	1N		V		3.09							
CAPS	22	1059	1115		N18	W04	.427	9994	22.2	16	-N	3		1102	1.70	1.90				182		
575 CAPS	22	1504E	1516		S30	E10	.420	10001	23.4	12D	-N	2		1505	.50	.60				165	C	5
576 MONT	22	1515	1520D	1518	S09	W71	.941	998A	17.3	5D	-N		C	1518	.77						4	
594 HALE	23	0048	0115	0050	N20	W10	.480	9994	22.3	27	-F	1	C	0050	.31	.40					6	
595 MANI	23	0049	0110	0100	N20	E08	.471	9994	23.6	21	-N	2		0100	.62	.71					6	
596 MITK	23	0227	0249	0236	N14	W45	.758	9994	19.7	22	-F		C	0236	.62	1.00					E	5
599 CULG	23	0359	0450	0407	S12	W79	.978	998A	17.2	51	1F		C	0407	1.55						5	
601 MITK	23	0409	0522	0423	N21	W07	.481	9994	22.6	73	-F		C	0423	1.24	1.40					E	5
602 MITK	23	0443	0450	0445	N19	W24	.575	9994	21.4	7	-F		C	0445	.72	.90					D	4
603 MITK	23	0536	0544	0539	N10	W33	.602	9994	20.8	8	-N		C	0539	.62	.80					D	4
607 WEND	23	1224E	1238		N17	W06	.417	9994	23.1	14D	1F		V		3.09						3	
610 SACP	23	1910	1935	1921	S12	W15	.269	9999	22.7	25	-N		C		.92	.90					4	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS				REMARKS	
	DATE 1969	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MGMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha
611 SACP	MAR 23	1922	1936	1926	N20	W16	.518	9994	22.6	14	-N	C		.71	.74			4
612 SACP	23	1924	1943	1930	S32	W12	.461	10001	22.9	19	-N	C		.51	.52			5
613 SACP	23	1936	1952	1938	N05	W64	.905	9994	19.0	16	-N	B C		.31	.50			5
615 MANI	23	2256	2312	2258	N13	W54	.841	9994	19.9	16	-F	2	2258	.72	1.36			4
618 HALE	24	0050	01010	0055	N12	W53	.829	9994	20.1	110	-N	I P	0055	.41	.70			5
621 MANI	24	0558E	0605		N21	W20	.561	9994	22.7	70	-F	I	0558	.41	.50			4
622 MANI	24	0726	07360	0731	N15	W57	.871	9994	20.0	100	-F	2	0731	.31	.58			8
623 MANI	24	0756	0810	0757	N17	W56	.869	9994	20.1	14	-F	I	0757	.46	.87			7
624 CAPS	24	0845	0849D		N18	W42	.747	9994	21.2	40	-F	2	0847	.30	.40	158	D	8
625 HTPR	24	0850	0859	0854	N18	W30	.625	9994	22.1	9	-F	C	0854	.62	.70			8
626 HTPR	24	0947	0952	0950	N20	W43	.768	9994	21.2	5	-F	C	0950	.31	.40			7
627 HTPR	24	1002	1005D		S22	W16	.368	9999	23.2	30	-F	C	1005	.93	1.00			6
630 HUAN	24	1200	1204D		N17	W48	.800	9994	20.9	40	-N	I P	1202	.12	.19		D	4
631 HUAN	24	1229E	1234D		N22	W45	.796	9994	21.1	50	-N	I P	1231	.33	.50			4
642 MANI	25	0205	0215	0207	N22	W37	.724	9994	22.3	10	-F	2	0207	.62	.91			4
643 MANI	25	0403	0419	0406	S30	W30	.594	10001	22.9	16	-F	2	0406	.72	.90			4
644 MANI	25	0541	0550	0543	S31	W32	.622	10001	22.8	9	-F	2	0543	.31	.39			3
646 HTPR	25	0639	0645	0640	S08	E85	.995	10012	31.7	6	-F	C	0640	.41				5
650 HTPR	25	1114	1118	1115	N19	W58	.889	9994	21.1	4	-F	C	1115	.31	.60			4
GRP21653	25	1455	1458	1456	N21	W59	.901	9994	21.2	3	-N			.65				2 2 2 7
SACP	25	1454	1458	1455	N21	W59	.901	9994	21.2	4	-N	C		.52				
MONTE	25	1455	1458	1456	N21	W58	.894	9994	21.3	3	-N	C	1456	.77	.83			
654 BOUL	25	1524	1540	1528	N11	W24	.498	9994	21.8	16	1N	C		1.90	2.20			8
656 SACP	25	1547	1556	1550	S28	W58	.854	10000	21.3	9	-N	C		.41	.59			7
669 CRON	26	0324	0350	0330	N20	W48	.812	9994	22.5	26	1N	C		1.40	2.40		E	6
670 MANI	26	0525	0550	0532	N20	W45	.785	9994	22.9	25	1F	2	0532	1.65	2.54			4
GRP21672	26	0709	0731	0713	S24	E43	.702	10006	29.5	22	-N			.51				2 2 2 8
CAPS	26	0708	0727		S24	E42	.691	10006	29.4	19	-B	3	0714	.60	.80	212	L	
MANI	26	0710	0735	0713	S23	E43	.699	10006	29.5	25	-F	2	0713	.41	.60			
674 CAPS	26	0809E	0810D		N18	W46	.785	9994	22.9	10	-F	I	0809	.40	.50	158	D	9
676 ARCE	26	0826E	0902D		S10	E07	.132	10008	26.9	360	-N	C	0828	.70	.70		H	8
677 ARCE	26	0832	0902D	0840	N23	E75	.982	10011	1.0	300	-N	C	0840	.43	1.30			6
678 ARCE	26	1026E	1043D		N16	W90	1.001	9994	19.7	170	-N	C	1026	.25	1.40			4
679 CAPS	26	1251	1258		S13	W46	.715	9999	23.1	7	-N	3	1253	.40	.60	164		3
680 CAPS	26	1303	1308		S08	E64	.894	10012	31.3	5	-N	3	1305	.40	.80	164		4
681 CAPS	26	1313	1326		N20	W45	.785	9994	23.2	13	-B	3	1315	.80	1.40	246		4
682 CAPS	26	1327	1343		N05	E90	1.000	10014	2.3	16	-N	3				120		4
GRP21688	26	1958	2054	2029	N20	W63	.924	9994	22.1	56	-N			.72				2 2 2 2
HALE	26	1958	2114	2025	N17	W55	.860	9994	22.7	76	1N	2	2025	1.13	2.20			
SACP	26	2031	2045	2032	N21	W65	.937	9994	22.0	14	-N	C		.31	.57			
HALE	26	2032	2102	2033	N22	W65	.939	9994	22.0	30	-N	3	2033	.41				
691 HOUT	26	2237	2246	2241	N11	E90	1.000	10014	2.7	9	-F	C		.30	1.20		H	4
692 SACP	26	2317	2327	2320	N22	W61	.916	9994	22.4	10	-F	C		.41	.70			5

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 MAR	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	
695 SACP	27	0000E	0010U	0004	N30	E75	.98710011	1.6	10D	-F	C		.21				4	
GRP21696 MANI	27	0037	0055	0042	N25	E67	.95310011	1.1	18	1N			1.00				4 4 4 6	
	27	0032E	0050	0040	N25	E65	.94410011	31.9	18D	-F	2	0040	1.03	2.10				
	27	0037	0100	0040	N25	E72	.65910011	1.4	23	1N		0040	.83					
	27	0039	0056	0044	N25	E66	.94910011	1.0	17	1N	8	C	1.34	2.68				
	27	0040	0059	0043	N25	E70	.96610011	1.3	19	1R	1	C	.62				F	
697 SACP	27	0109U	0115D	0111U	N22	W51	.845 9994	23.2	6D	-N	P		.87	1.23			5	
701 MANI	27	0740E	0800		N20	W70	.960 9994	22.1	20D	-F	2	0740	.72	1.68			6	
702 ARCE	27	0816	0842	0820	N12	W34	.62510003	24.8	26	-N	C	0820	.51	.60			6	
703 ARCE	27	0906E	0917D		N11	W34	.61910003	24.8	11D	-N	C	0913	.47	.60			EH 4	
704 ARCE	27	0911	0914	0911	N25	W66	.949 9994	22.4	3	-N	C	0911	.29	.60			4	
706 ARCE	27	0953E	1001		N18	E90	1.00110014	3.2	8D	-N	C	0953	.35	1.80			5	
708 NERA	27	1115	1132		N24	W65	.942 9994	22.6	17	1F	2						4	
709 NERA	27	1303	1306		N24	W70	.965 9994	22.3	3	1N	3						4	
GRP21713 SACP LOCA	27	1505	1535	1510	N10	E30	.56310007	29.9	30	-N			1.61				2 2 2 6	
	27	1505	1535U	1510	N10	E30	.56310007	29.9	30D	-N	C		1.32	1.41				
	27	1505	1530D	1509	N09	E30	.55710007	29.9	25D	1N	V	1509	1.89	2.40				
715 SACP	27	1712	1720U	1714	S24	E30	.55210004	30.0	8D	-N	C		.31	.32			6	
GRP21716 HALF SACP	27	1712	1719	1715	N26	W70	.967 9994	22.5	7	-N			.46				2 2 2 6	
	27	1711	1719	1717	N27	W69	.965 9994	22.5	8	-R	2	C	1717	.41				
	27	1712	1718	1713U	N24	W70	.965 9994	22.5	6	-F	8	C		.51	1.11			
717 SACP	27	1809U	1846	1815U	S34	W74	.95610000	22.2	37D	-N	C		.21	.41			6	
718 HALF	27	1809	1841	1818	S31	W68	.92510001	22.7	32	-N	I	C	1818	.21				
721 SACP	27	2145	2158	2148	N07	E73	.96210014	2.4	13	-N	C		.61	1.33			3	
723 SACP	27	2246	2250	2248	N14	E80	.99010014	2.9	4	-N	C		.31				5	
724 HOUT	27	2344	2356	2348	N04	E72	.95510014	2.4	12	-F	C		.50	1.30			E 6	
725 MANI	28	0058E	0120	0102	N19	W90	1.001 9994	21.3	22D	-N	I	0102	.52	1.70			6	
GRP21726 MANI HALF	28	0213	0235	0217	N17	E90	1.00110014	3.8	22	1N			.83				2 1 1 4	
	28	0213	0235	0217	N17	E90	1.00110014	3.8	22	1N	2	C	0217	.83	2.70			
	28	0231	0250	0237	N18	E77	.98410014	2.9	19	-F	3	C	0237	.46				
727 MANI	28	0330	0345	0334	N19	W72	.968 9994	22.7	15	-F	2	0334	.52	1.20			5	
728 MANI	28	0334	0400	0343	N09	E22	.45410007	29.8	26	-F	2	0343	.88	.97			5	
729 MANI	28	0357F	0406	0359	N22	W90	1.001 9994	21.4	9D	-F	I	0359	.21	.70			4	
732 MANI	28	0520	0535	0522	N19	W73	.972 9994	22.7	15	-F	I	0522	.36	.80			3	
735 MANI	28	0758	0817	0813	N12	E78	.98410014	3.2	19	-F	I	0813	.72	1.80			4	
736 MANI	28	0825	0844	0828	N24	W80	.994 9994	22.4	19	-F	I	0828	.41	1.10			5	
737 CATA	28	0940E	0945D	0940	N09	E18	.40510007	29.8	5D	-N		0940	.23	.25		168	5	
739 CAPS	28	1203	1208D		N20	W80	.993 9994	22.5	5D	-N	2	1204	.20			176	3	
740 CAPS	28	1321E	1342		N06	E65	.91410014	2.4	21D	1N	2	1322	.60			170	4	
742 CAPS	28	1440	1444D		N06	E65	.91410014	2.5	4D	1F	2	1442	.80			158	6	
743 SACP	28	1447	1453	1449	S14	W70	.934 9999	23.4	6	-N	C		.31	.56			6	
744 CATA	28	1450E	1505D	1450	N03	E63	.89610014	2.3	15D	-N		1450	.63			199	6	
747 SACP	28	1808	1814	1809	N14	E71	.95810014	3.1	6	-N	C		.41	.84			4	
750 HUANI	28	2023	2038		N04	W60	.87310003	24.3	15	-F	I	C	2032	.86	1.71			4
756 MANI	29	0328E	0353D		S10	E05	.10410014	29.5	25D	1N	1	0329	2.06	2.10			5	

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	DATE 1969 MAR	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
					LAT.	MER. DIST.															
757 MANI	29	0353E	0413	0406	N06	E58	.859	0014	2.5	20D	-N	1	0406	.52	.95				4		
758 MANI	29	0423	0440		N07	E60	.878	0014	2.7	17	-F	2	0428	.67	2.41				3		
759 MANI	29	0458E	0514		N09	E04	.279	0007	29.5	16D	-N	1	0504	.26	.27				3		
760 ABST	29	0610	0615	0611	N07	E59	.870	0014	2.7	5	-F		P	0611	.90	1.70			D	4	
761 ABST	29	0631	0700	0642	N05	E55	.830	0014	2.4	29	-F		P	0642	.90	1.50			DK	4	
763 ARCE	29	0816E	0900D		S09	E02	.053	0016	29.5	44D	-N		C	0816	.60	.60				5	
765 ARCE	29	0854	0900	0858	N10	E59	.875	0014	2.8	6	-N	8	C	0858	.72	1.50				7	
766 ARCE	29	0910E	0921D		S09	E02	.053	0016	29.5	11D	-N		P	0921	1.20	1.20				9	
773 MONT	29	1357	1405	1359	S10	E00	.058	0016	29.6	8	-F		C	1359	.83					10	
787 MANI	30	0030	0041	0035	S10	W07	.134	0016	29.5	11	-F	2	0035	.62	.94				6		
791 HALE	30	0228	0247D	0238	S08	W07	.123	0016	29.6	19D	-B	1	P	0238	1.96	2.00				7	
792 MANI	30	0249E	0306D		N09	E50	.791	0014	2.9	17D	-B	1	0249	1.03	1.70				5		
795 MANI	30	0332E	0400		N19	W90	1.001	9994	23.4	28D	1N	1	0333	.62	2.60				6		
796 CAPS	30	1014	1025		N11	E48	.776	0014	3.0	11	-B	3	1016	.40	.70			228	6		
797 CAPS	30	1057E	1101		N07	E39	.659	0014	2.4	4D	-N	3	1058	.50	.70			165	C	5	
799 CAPS	30	1553E	1558D		S11	W12	.219	0016	29.8	5D	-N	2	1555	.80	.80			170		5	
802 HUAN	30	1940	1947	1941	N18	E60	.900	0014	4.3	7	-F	1	C	1941	.21	.47				5	
806 HALE	30	2215E	2235D		S13	W44	.692	0009	27.6	20D	-F	1	P	2227	.21	.30				4	
GRP21809	31	0720	0800	0725	N13	E37	.665	0014	3.1	40	-B				.49						
CATA	31	0720	0800D	0725	N13	E37	.665	0014	3.1	40D	-B			0725	.34	.47			275	2 2 2	9
ARCE	31	0728E	0745D		N13	E36	.653	0014	3.0	17D	-N		P	0730	.63	.80					
810 MONT	31	0849E	0859	0851	N26	W01	.539	0011	31.3	10D	-F		C	0851	.21						8
811 MANI	31	0942E	0949D		S10	W23	.391	0016	29.7	7D	-F	1	0946	1.03	1.11					8	
813 MONT	31	1218	1232	1223	N26	E00	.539	0011	31.5	14	-N		C	1223	.21						4
816 SACP	31	1401	1420	1410	N25	W01	.524	0011	31.5	19	-F		C		.41	.43					6
817 SACP	31	1439	1448	1445	N19	E49	.816	0014	4.3	9	-N		C		.52	.69					4
818 SACP	31	1448	1459	1452	N24	E51	.852	0014	4.4	11	-N		C		.52	.73					4
820 CAPS	31	1522	1530		N30	E50	.869	0014	4.4	8	-N	3	1526	.40	.70			164	D	5	
826 HUAN	31	2016	2024D		N07	E28	.516	0014	2.9	8D	-N	1	P	2019	.25	.28				D	3