

SOLAR FLARES

Confirmed

APRIL 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
1969 APR																			
GRP21837	01	0919	0934	0922	N25	W11	.549	10011	31.6	15	-N		1.23				3 3 3 5		
CRON	01	0916	0924	0920	N27	W11	.576	10011	31.6	8	-N	C	1.20	1.50					
CANR	01	0921E	0937	0923	N24	W11	.536	10011	31.6	16D	-N	C	1.00	1.20			H		
CAPS	01	0921	0940D		N24	W12	.540	10011	31.5	19D	-B	2 V	0922	1.50	1.70		204		
838 ZURI	01	1144	1152D	1144	N08	E18	.392	10014	2.8	8D	1N	P	1144	2.31	2.50			3	
GRP21839	01	1330	1359	1336	N10	E22	.461	10014	3.2	29	--F		1.07				2 2 2 4		
SANM	01	1330	1356	1337	N10	E21	.449	10014	3.1	26	-F	C	1.29	1.45			E		
SACP	01	1330	1402	1335	N10	E22	.461	10014	3.2	32	-N	C	.84	.85					
GRP21840	01	1349	1409	1357	N12	E12	.376	10014	2.5	20	--F		.32				2 2 2 4		
SANM	01	1344	1406	1357	N12	E12	.376	10014	2.5	22	-F	C	.32	.35			H		
SACP	01	1353	1411	1357	N11	E12	.362	10014	2.5	18	-N	C	.31	.31					
841 SACP	01	1528	1543	1530	N08	E14	.345	10014	2.7	15	--N	C	.62	.61			4		
842 SACP	01	1723	1729	1726	N14	E11	.395	10014	2.5	6	--N	C	.21	.21			1		
843 SACP	01	1750	1808	1800	N17	E28	.593	10014	3.8	18	--N	C	.52	.56			1		
	01	1828	1845	NO FLARE PATROL															
	01	1905	1907	NO FLARE PATROL															
844 HOUT	01	2011E	2041	2011U	S25	W10	.355	10013	1.1	30D	--F	C	1.00	1.10			2		
845 SACP	01	2101	2114	2104	N08	E12	.323	10014	2.8	13	--F	C	.62	.61			3		
GRP21846	01	2305	2311	2306	N06	E11	.287	10014	2.8	6	--F		.68				2 2 2 5		
SACP	01	2304	2314	2306	N05	E11	.275	10014	2.8	10	-F	C	.52	.50					
MITK	01	2305	2308	2306	N06	E11	.287	10014	2.8	3	-F	C	2306	.83	.90			D	
GRP21848	01	2351	0019	0003	N07	E09	.280	10014	2.7	28	--F		.52				2 2 2 5		
SACP	01	2350	2353D	2352	N07	E08	.271	10014	2.6	3D	-N	C	.21	.20					
MANI	01	2351	0019	0000	N07	E10	.289	10014	2.7	28	-F	1	0000	.52	.55				
SACP	02	0000E	0019	0006	N07	E09	.279	10014	2.7	19D	-N	C	.51	.50					
GRP21850	02	0117	0133	0122	N09	E13	.345	10014	3.0	16	-N		1.39				2 2 2 4		
MANI	02	0116	0138	0122	N09	E13	.345	10014	3.0	22	-N	2	0122	1.44	1.54				
MITK	02	0118	0128	0121	N09	E13	.345	10014	3.0	10	-N	C	0121	1.34	1.40			E	
GRP21851	02	0234	0249	0236	N09	E10	.316	10014	2.9	15	-N		1.16				3 3 3 5		
MITK	02	0232	0248	0236	N09	E11	.325	10014	2.9	16	-N	C	0236	.72	.80			D	
VORO	02	0235	0250	0235	N10	E08	.314	10014	2.7	15	-B	C	0235	1.11	1.14			93	
MANI	02	0243E	0245D		N09	E11	.325	10014	2.9	2D	-N	1	0245	1.65	1.76				
857 CAPS	02	1050E	1057D		N10	E10	.330	10014	3.2	7D	--N	1 V	1055	.40	.50		170	E	3
	02	1405	1417	NO FLARE PATROL															
	02	1427	1430	NO FLARE PATROL															
GRP21859	02	1614	1623	1615	N10	E05	.296	10014	3.1	9	--N		.51				3 3 2 5		
SACP	02	1613	1623	1615	N10	E04	.292	10014	3.0	10	-N	C	.61	.60					
MCMA	02	1614E	1616D		N10	E08	.314	10014	3.3	2D	-N	P	1615	.41	.50			E	
BOUL	02	1615	1621D	1615	N10	E03	.289	10014	2.9	6D	-N	S							
GRP21861	02	1746	1753	1747	N09	E03	.272	10014	3.0	7	-N		1.40				3 3 2 3		
CANR	02	1745	1749	1746	N09	E03	.272	10014	3.0	4	-N	C	1.30	1.30					
HOUT	02	1746	1754	1747	N09	E04	.276	10014	3.0	8	-B	C	1.50	1.60			E		
BOUL	02	1748	1757	1748	N10	E02	.286	10014	2.9	9	-N	V							
GRP21862	02	1817	1936	1901	N26	W22	.628	10011	1.1	79	2F						2 2 0 3		
BOUL	02	1817	1922D	1903	N28	W21	.643	10011	1.2	65D	3F	S							
SACP	02	1831E	1946E	1859	N26	W23	.635	10011	1.0	75D	2N								
BOUL	02	1853E	1925	1853E	N25	W19	.595	10011	1.4	32D	1B	C		4.00	5.00			E	
21862	02	1830	1938	1841	N26	W23	.635	10011	1.0	68	#2N		5.86				3 3 3 3		
CANR	02	1830	1845D	1835	N26	W22	.628	10011	1.1	15D	2N	C	4.20	5.50			EL		
SACP	02	1831E	1946E	1846	N26	W23	.635	10011	1.0	75D	2N	C	8.69	9.71					
HOUT	02	1843E	1930	1843U	N26	W24	.643	10011	1.0	47D	2B	C	4.70	6.10			E		
865 BOUL	02	2005	2022	2010	N17	W01	.399	10014	2.8	17	--F	V					2		
	02	2015	2016	NO FLARE PATROL															
866 MCMA	02	2016E	2110D		N24	W23	.614	10011	1.1	54D	1N	P	2016	2.06	2.60			F	3

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	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
	1969 APR																	
	02	2021	2025	NO FLARE PATROL														
GRP21868	03	0137	0206	0143	N16	E12	.429	10014	4.0	29	-N			1.75				2 2 2 4
MANI	03	0135	0201	0143	N16	E14	.444	10014	4.1	26	-N	2	0143	1.44	1.60			
CULG	03	0138	0210	0143	N16	E10	.415	10014	3.8	32	1N		0143	2.06	2.20			
GRP21874	03	0832	0848	0834	N20	E22	.562	10014	5.0	16	-N			1.18				5 5 5 10
MANI	03	0829	0855	0832	N18	E24	.560	10014	5.2	26	-F	2	0832	1.03	1.26			
MEUD	03	0832	0843		N20	E20	.544	10014	4.9	11	-F		0834	.62	.70			
ZURI	03	0833E	0847	0835	N20	E18	.527	10014	4.7	14D	-N		0835	1.47	1.80			
ABST	03	0833	0850	0835	N21	E20	.555	10014	4.9	17	1N		0835	1.80	2.10		58	F
CAPS	03	0834	0844		N19	E28	.609	10014	5.5	10	-B	3	0835	1.00	1.20		204	
GRP21876	03	0841	0845	0842	N08	W13	.332	10014	2.4	4	--F			.67				5 5 5 10
MEUD	03	0840	0844	0841	N08	W14	.343	10014	2.3	4	-F	8	0841	.31	.30			D
CAPS	03	0841	0845		N08	W12	.322	10014	2.5	4	-N	3	0842	.50	.50		176	
CRIM	03	0841	0845	0842	N07	W14	.332	10014	2.3	4	-F	8	0842	1.17	1.23			DI
MANI	03	0842E	0846		N08	W10	.302	10014	2.6	4D	-F	1	0842	.52	.55			
ZURI	03	0842	0844	0843	N07	W16	.356	10014	2.2	2	-N	8	0843	.85	.90			
GRP21877	03	0902	0919	0906	N20	E23	.571	10014	5.1	17	-N			.86				3 3 3 12
ZURI	03	0859	0935	0907	N20	E20	.544	10014	4.9	36	-N		0907	1.36	1.60			
CAPS	03	0904	0911		N19	E29	.619	10014	5.6	7	-N	3	0905	.60	.70		176	
MEUD	03	0904	0912	0905	N20	E21	.553	10014	5.0	8	-F		0905	.62	.70			E
21877	03	0914	0931	0920	N19	E22	.551	10014	5.0	17	*-F			.41				2 2 2 12
MANI	03	0909	0932	0919	N17	E24	.550	10014	5.2	23	-N	2	0919	.41	.50			
MEUD	03	0918	0930	0920	N20	E20	.544	10014	4.9	12	-F		0920	.41	.50			D
GRP21878	03	1009	1027	1014	N09	W07	.291	10014	2.9	18	-N			2.17				8 8 8 10
ZURI	03	1005	1029D	1015	N09	W07	.291	10014	2.9	24D	-N		1015	1.58	1.60			
CANR	03	1008	1021	1010	N08	W07	.276	10014	2.9	13	-N			1.80	1.80			
CAPE	03	1010	1030	1013	N09	W07	.291	10014	2.9	20	-N			1.80	1.80			
MEUD	03	1010	1025		N08	W08	.284	10014	2.8	15	-N		1013	1.43	1.50			
ABST	03	1011	1030	1016	N08	W06	.269	10014	3.0	19	1N		1014	1.34	1.40			E
CAPP	03	1012E	1024		N07	W09	.278	10014	2.8	12D	1N		1016	2.26	2.30		59	I
CAPS	03	1012E	1028		N10	W04	.291	10014	3.1	16D	-B	3	1013	4.33	4.41			
UCCL	03	1013E	1013D		N09	W10	.315	10014	2.7		1N		1013	1.50	1.50		220	
														3.09	3.40			I
GRP21880	03	1259	1327	1309	N09	W09	.307	10014	2.9	28	-B			2.20				7 7 7 8
SANM	03	1255E	1326	1309	N08	W09	.292	10014	2.9	31D	1N			2.91	3.05			E
ZURI	03	1257	1321D	1309	N08	W08	.294	10014	2.9	24D	1B		1309	3.78	4.00			
MCMA	03	1259	1330	1308	N08	W10	.302	10014	2.8	31	-B		1308	1.55	1.60			E
CAPS	03	1300	1325		N10	W10	.329	10014	2.8	25	-B	3	1305	1.20	1.20		205	W
CAPE	03	1300	1330	1308	N09	W09	.307	10014	2.9	30	-N		1308	1.70	1.80			F
MEUD	03	1300	1302		N08	W10	.302	10014	2.8	2	-F		1301	.72	.70			E
CATA	03	1310E	1345D	1310	N09	W09	.307	10014	2.9	35D	1B		1310	2.84	2.97		221	
MEUD	03	1312	1312		N08	W10	.302	10014	2.8		-N		1312	1.44	1.50			E
881 MCMA	03	1602	1610	1604	N20	E14	.497	10014	4.7	8	--N			.26	.30			E 4
GRP21882	03	1638	1709	1642	N24	E15	.556	10014	4.8	31	-N			1.50				3 2 1 4
CANR	03	1638	1703	1641U	N23	E11	.520	10014	4.5	25	-N			1.50	1.80			E
BOUL	03	1638	1715	1642	N25	E19	.594	10014	5.1	37	1N			.93	1.10			E
MCMA	03	1639	1705	1642	N23	E05	.498	10014	4.1	26	-B		1642	.93	1.10			E
GRP21884	03	1816	1842	1827	N10	W11	.338	10014	2.9	26	--N			.62				2 2 1 3
BOUL	03	1807	1842D	1828	N10	W11	.338	10014	2.9	35D	-N			.62	.70			E
MCMA	03	1824	1842	1826	N09	W10	.315	10014	3.0	18	-N		1826	.62	.70			E
GRP21885	03	2023	2040	2028	S20	E85	.993	10023	10.2	17	--N			.21				2 1 1 4
MCMA	03	2023	2040	2028	S20	E85	.993	10023	10.2	17	-N		2028	.21				E
SACP	03	2037E	2057	2041	S18	E85	.993	10023	10.2	20D	-N			.21				
GRP21887	03	2324	2352	2334	N08	W16	.367	10014	2.8	28	--F			.52				2 2 2 4
SACP	03	2323	2351	2334	N08	W15	.355	10014	2.8	28	-N	8		.41	.41			
MANI	03	2325	2352	2333	N08	W17	.379	10014	2.7	27	-F	2	2333	.62	.67			
GRP21888	03	2325	2344	2332	S07	W77	.972	10016	29.2	19	--F			.34				2 2 2 4
MANI	03	2324	2344	2329	S06	W75	.964	10016	29.4	20	-F	2	2329	.36	.82			
SACP	03	2325	2343	2335	S07	W78	.976	10016	29.1	18	-F			.31	.73			
GRP21896	04	1209	1227	1213	N13	W17	.434	10014	3.2	18	--N			.57				3 3 2 5
MEUD	04	1209	1219	1212	N14	W17	.446	10014	3.2	10	-F		1212	.31	.30			D
ONDR	04	1210E	1238	1213	N12	W18	.433	10014	3.2	28D	-N		1213	.83	.80		2*10	CD
AROS	04	1213E	1225		N13	W15	.414	10014	3.4	12D	-N			.83	.80			

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	MIN.	TIME UT	MEAS. AREA Sq. Deg.		CORR. AREA Sq. Deg.
1969 APR																	
GRP21897	04	1356	1422	1402	N13	E59	.881	10022	9.0	26	--F		.45				4 4 3 6
SANM	04	1355E	1431	1402	N14	E58	.875	10022	8.9	36D	-F	C	.32	.65			E
SACP	04	1356	1426	1401	N13	E60	.888	10022	9.1	30	-N	C	.41	.64			
ONDR	04	1356	1415		N12	E58	.871	10022	8.9	19	-N	V	1404			2.10	CJK
MEUD	04	1357	1415		N13	E60	.888	10022	9.1	18	-F	C	1402	.62	1.20		D
GRP21898	04	1713	1725	1715	N08	E58	.863	10022	9.1	12	--N		.57				2 2 2 3
HALE	04	1712	1730	1715	N08	E58	.861	10022	9.1	18	-N	1 C	1715	.52	1.00		
SACP	04	1713	1720	1714	N08	E57	.854	10022	9.0	7	-N	C		.62	.90		
GRP21901	05	0341	0359	0345	N07	W37	.633	10014	2.4	18	-N		1.24				4 4 4 6
MANI	05	0337	0415	0345	N07	W38	.645	10014	2.3	38	-N	2	0345	.83	1.23		
TACH	05	0341	0349		N06	W38	.641	10014	2.3	8	-N	V	0346	1.19	2.10	3.00	63 ET
MITK	05	0342	0349	0344	N06	W38	.641	10014	2.3	7	-F	C	0344	.83	1.10		E
CRON	05	0342	0403	0346	N07	W34	.594	10014	2.6	21	1N	C		2.10	2.50		E
GRP21903	05	0529	0549	0539	N07	W39	.658	10014	2.3	20	-N		1.19				3 3 3 5
MANI	05	0528	0546D	0539	N07	W38	.645	10014	2.4	18D	-N	2	0539	.83	1.11		
TACH	05	0530	0549		N06	W40	.666	10014	2.2	19	-N	V	0537	1.55	2.20	1.90	66 DT
MITK	05	0535	0544	0537	N06	W39	.654	10014	2.3	9	-N	C	0537	1.44	1.90		
GRP21904	05	0806	0819	0808	N07	W40	.670	10014	2.3	13	-B		1.23				6 6 6 8
CRON	05	0805	0817	0808	N07	W38	.645	10014	2.5	12	-B	C		1.40	1.80		E
CAPE	05	0806	0820	0808	N08	W40	.674	10014	2.3	14	-N	C	0808	.89	1.20		
MEUD	05	0806	0815	0807	N07	W40	.670	10014	2.3	9	-N	C	0807	1.34	1.70		
MANI	05	0806	0830	0809	N07	W38	.645	10014	2.5	24	-B	2	0809	1.13	1.49		
CRIM	05	0806	0813D	0808	N05	W40	.663	10014	2.3	7D	-N	P	0808	1.53	1.87		D
CANR	05	0810E	0815	0810U	N06	W41	.679	10014	2.3	5D	-B	C		1.10	1.50		
GRP21905	05	0807	0826	0812	S18	E61	.870	10023	9.9	19	1F		1.09				5 5 4 7
MANI	05	0800E	0807	0804	S18	E61	.870	10023	9.9	7D	-F	2	0804	.52	.95		
CRON	05	0805	0836	0810	S18	E60	.862	10023	9.8	31	1N	8 C		1.60	2.90		
MEUD	05	0808	0815	0809	S17	E60	.862	10023	9.8	7	-F	8 C	0809	.52	1.00		D
MANI	05	0808	0838	0815	S19	E61	.871	10023	9.9	30	1F	2 C	0815	1.44	2.66		
ONDR	05	0810E	0826		S20	E63	.887	10023	10.1	16D	1F	8 V	0814			2.10	C
CANR	05	0810E	0814	0812U	S18	E61	.870	10023	9.9	4D	-F	8 C		.80	1.60		
GRP21911	05	1540	1552	1542	N14	E45	.755	10022	9.0	12	--N		.52				3 3 2 6
MEUD	05	1537	1550	1540	N13	E45	.751	10022	9.0	13	-F	C	1540	.52	.80		D
SACP	05	1540	1553	1543	N15	E45	.760	10022	9.0	13	-N	C		.52	.64		
BOUL	05	1543	1553	1544	N15	E46	.770	10022	9.1	10	-N	V					
7 STATIONS REPORTING GROUP 21912. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP21912	05	1559	1629	1604	N13	W34	.628	10014	3.1	30	-N		1.21				5 5 5 6
MEUD	05	1558	1630	1600	N13	W34	.628	10014	3.1	32	-N	C	1600	1.03	1.30		E
SACP	05	1559	1635	1609	N12	W35	.634	10014	3.0	36	1N	C		2.17	2.40		
SANM	05	1559E	1610D		N13	W33	.616	10014	3.2	11D	-N	P	1601	1.13	1.45		E
CANR	05	1600	1625	1604	N13	W33	.616	10014	3.2	25	-N	C		.80	1.00		E
BOUL	05	1600	1625	1603	N14	W33	.623	10014	3.2	25	-N	C		.90	1.10		E
21912	05	1602	1704	1618	N13	W32	.605	10014	3.3	62	*1F		.88				3 2 1 7
BOUL	05	1602	1704D	1618	N12	W30	.574	10014	3.4	62D	-N	V					
ONDR	05	1605E	1623D		N13	W34	.628	10014	3.1	18D	2F	V	1615			2.40	CF
HALE	05	1629E	1644		N12	W33	.610	10014	3.2	15D	-N	3 P	1629	.88	1.10		
GRP21913	05	1708	1722	1709	N23	W19	.569	10014	4.3	14	--F		.46				2 2 1 4
HALE	05	1706	1723	1707	N24	W20	.589	10014	4.2	17	-F	3 C	1707	.46	.60		
BOUL	05	1709	1721	1711	N22	W17	.543	10014	4.4	12	-N	V					
914 SACP	05	1724	1730	1725	N04	W47	.744	10014	2.2	6	--F	C		.41	.50		4
GRP21917	05	1905	1926	1914	N12	W46	.758	10014	2.3	21	--N		.52				2 1 1 4
BOUL	05	1905	1926	1914	N12	W46	.758	10014	2.3	21	-N	V					
SACP	05	1910	1921	1913	N18	W37	.693	10014	3.0	11	-F	C		.52	.60		
GRP21919	06	0117	0140	0121	N06	W50	.781	10014	2.3	23	-N		.95				3 3 3 4
MANI	06	0116	0145	0121	N07	W50	.784	10014	2.3	29	-F	2	0121	.93	1.50		
HALE	06	0117	0139	0119	N06	W50	.781	10014	2.3	22	-N	1 C	0119	1.03	1.60		F
CRON	06	0118	0135	0123	N05	W50	.779	10014	2.3	17	-N	8 C		.90	1.40		E
GRP21920	06	0118	0130	0121	N24	W79	.992	10011	31.1	12	--N		.24				3 3 3 4
MANI	06	0117	0133	0120	N23	W78	.989	10011	31.2	16	-F	2	0120	.21	.54		
CRON	06	0118	0126	0121	N24	W85	.999	10011	30.7	8	-F	C		.30	1.00		
HALE	06	0119	0131	0121	N24	W75	.982	10011	31.4	12	-B	1 C	0121	.21			
GRP21921	06	0744	0754	0746	S17	E47	.733	10023	9.8	10	--F		.42				2 2 2 7
MEUD	06	0743	0748	0744	S17	E47	.733	10023	9.8	5	-F	C	0744	.41	.60		D
BUCA	06	0745	0800	0747	S17	E47	.733	10023	9.8	15	-N	C	0747	.43	.60		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCNATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %
GRP21922	06	0858	0905	0901	N09	W63	.903	10014	1.6	7	-N		.57				4 4 3 9	
CAPE	06	0858	0905	0900	N10	W62	.898	10014	1.7	7	-N	C	.89	2.00			C	
MEUD	06	0858	0900	0859	N09	W63	.903	10014	1.6	2	-N	C	.52				E	
ONDR	06	0900E	0910		N09	W65	.917	10014	1.5	10D	-F	V				1.20	C	
MONT	06	0902E	0905	0904	N08	W61	.887	10014	1.8	3D	-N	C	.31					
GRP21923	06	1108	1128	1109	N08	E31	.560	10022	8.8	20	-B		.89				3 3 3 7	
CAPS	06	1108E	1138D		N05	E30	.530	10022	8.7	30D	-B	2 V	.50	.50		201		
MEUD	06	1108	1120	1109	N12	E29	.561	10022	8.6	12	-N	C	.62	.70				
UCCL	06	1109	1127	1109	N08	E34	.599	10022	9.0	18	-B	C	1.55	2.40			D	
GRP21924	06	1155	1217	1202	N08	W50	.787	10014	2.7	22	1N		1.81				6 6 5 6	
WEND	06	1152	1219	1202	N08	W49	.776	10014	2.8	27	1N	P	4.64					
ONDR	06	1153E	1214	1200	N08	W50	.787	10014	2.7	21D	2N	V	1.200			3.10	C	
MEUD	06	1154	1158		N08	W51	.797	10014	2.7	4	-N	C	1.158	1.80			E	
CAPE	06	1156	1220	1205	N08	W48	.765	10014	2.9	24	-N	C	1.205	1.70			F	
CANR	06	1158	1213	1202	N08	W49	.776	10014	2.8	15	1N	C	1.40	2.20			E	
MCMA	06	1206E	1225		N07	W50	.784	10014	2.8	19D	-N	C	1.206	.83	1.30		E	
MEUD	06	1206	1210		N08	W51	.797	10014	2.7	4	-N	C	1.206	1.13	1.80			
GRP21926	06	1233	1251	1238	N16	W39	.702	10014	3.6	18	-N		1.24				4 4 3 5	
MCMA	06	1219	1234		N15	W38	.685	10014	3.7	15	-N	8 C	.62	.80		2.70	E	
ONDR	06	1231E	1244	1236	N15	W41	.718	10014	3.4	13D	-B	8 V	1.236				CDH	
CANR	06	1233	1250	1235	N16	W38	.691	10014	3.7	17	1N	8 C	1.90	2.70			F	
CAPE	06	1234	1253	1242	N16	W38	.691	10014	3.7	19	-F	8 C	1.242	.89	1.20		E	
MCMA	06	1234	1255	1237	N15	W38	.685	10014	3.7	21	-B	8 C	1.237	.93	1.30		E	
GRP21927	06	1405	1421	1409	N08	W51	.797	10014	2.8	16	--F		.34				4 4 4 10	
SANM	06	1402E	1426	1409	N07	W50	.784	10014	2.8	24D	-F	C	.32	.55			D	
MCMA	06	1405	1420	1408	N07	W51	.794	10014	2.8	15	-N	C	.31	.50			D	
MEUD	06	1406	1412		N07	W52	.804	10014	2.7	6	-F	C	1.408	.41	.60		D	
CAPS	06	1406	1426		N10	W50	.792	10014	2.8	20	-N	2 V	1.407	.30	.60		171	
929 HALE	06	1939	1946	1941	N09	W54	.828	10014	2.8	7	--F	1 C	1.941	.52	.90		F	
GRP21930	06	2029	2041	2035	N06	W62	.892	10014	2.2	12	--F		.34				2 2 2 3	
MCMA	06	2027	2042	2034	N06	W63	.899	10014	2.1	15	-F	C	2.034	.26	.50		E	
SACP	06	2030	2040	2035	N06	W61	.884	10014	2.3	10	-N	C	.41	.63				
GRP21932	06	2309	2330	2313	N08	W57	.854	10014	2.7	21	-N		.88				2 2 2 5	
SACP	06	2309	2330	2313	N07	W57	.852	10014	2.7	21	-N	C	.62	.89				
MANI	06	2310E	2316D	2313	N09	W57	.856	10014	2.7	6D	1N	1 C	2.313	1.13	2.10			
GRP21934	07	0031	0041	0034	N12	E22	.477	10022	8.7	10	--N		.82				3 3 3 4	
VORO	07	0031	0040	0032	N12	E22	.477	10022	8.7	9	-B	C	0.032	1.02	1.14		93	
SACP	07	0031	0042	0035	N11	E22	.467	10022	8.7	11	-N	C	.52	.53			EHJ	
MITK	07	0031	0041	0034	N12	E23	.488	10022	8.7	10	-N	C	0.034	.93	1.00		D	
938 MITK	07	0548	0555	0550	N22	W41	.755	10014	4.2	7	--F	C	0.550	.62	.90		D	
GRP21939	07	0729	0742	(0735)	N07	E21	.419	10022	8.9	13	--F		1.81				3 2 2 10	
CAPS	07	0717	0751D		N04	E19	.367	10022	8.7	34D	-F	1 V	0.719	.50	.50			
WEND	07	0726E	0746		N07	E21	.419	10022	8.9	20D	1F	V	3.09					
MEUD	07	0732	0738		N07	E21	.419	10022	8.9	6	-F	C	0.735	.52	.50		E	
GRP21940	07	0800	0813	0801	S13	E38	.616	10023	10.2	13	--N		.67				5 5 4 7	
MANI	07	0759	0814	0801	S12	E40	.641	10023	10.3	15	-N	2 C	0.801	.62	.80			
MEUD	07	0759	0810	0801	S13	E39	.629	10023	10.3	11	-N	C	0.801	1.03	1.30			
ZURI	07	0800	0810	0800	S13	E36	.589	10023	10.0	10	-F	C	0.800	.73	.90			
CAPS	07	0801	0814		S10	E39	.626	10023	10.3	13	-B	2 V	0.804	.30	.40		216	
ONDR	07	0803E	0818		S15	E38	.620	10023	10.2	15D	-F	V	0.804			1.20	C	
GRP21943	07	0944	0949	0945	N23	W44	.788	10014	4.1	5	--F		1.15				4 4 4 11	
CAPE	07	0943	0950	0946	N23	W45	.796	10014	4.0	7	-N	C	0.946	.89	1.40			
MEUD	07	0943	0946	0944	N21	W44	.777	10014	4.1	3	-F	C	0.944	.83	1.30			
MONT	07	0944	0949	0946	N21	W45	.787	10014	4.0	5	-N	C	0.946	2.06				
CAPS	07	0944	0950		N25	W43	.790	10014	4.2	6	-F	2 V	0.947	.80	1.30		157	
* GRP21947	07	1805	1829	1812	S13	E37	.603	10023	10.5	24	--F		.57				2 2 2 4	
HALE	07	1803	1828	1813	S13	E36	.589	10023	10.5	25	-F	2 C	1.813	.52	.60			
MCMA	07	1806	1830D	1810	S12	E37	.601	10023	10.5	24D	-F	C	1.810	.62	.80		E	
GRP21948	07	1852	1904	1856	N10	E17	.398	10022	9.1	12	-N		.52				3 3 2 4	
BOUL	07	1851	1903D	1856	N10	E17	.398	10022	9.1	12D	-N	V						
HALE	07	1852	1907	1855	N09	E17	.387	10022	9.1	15	-N	1 C	1.855	.62	.70		F	
MCMA	07	1854	1901	1856	N10	E16	.386	10022	9.0	7	-N	C	1.856	.41	.50		E	

*GRP 21944 on p. 28 should have appeared in this position as a small well confirmed subflare.

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OBSERVATORY	OBSERVED UT			LOCATION				DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE				MCMATH PLAGE REGION	CMP DAY	MIN.	TIME UT		MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc
997 BOUL	1969 APR 10	1747E	1754	1748	S32	E90	.998	10038	17.5	7D	--F	V					2	
998 BOUL	10	1856E	1910	1859	N09	W22	.447	10022	9.1	14D	--F	V					1	
	10	2015	2035	NO FLARE PATROL														
000 MANI	10	2212E	2222D		S05	E57	.836	10030	15.2	10D	--F	2	2212	.31	.54		2	
004 MANI	11	0232	0235	0233	S12	W08	.173	10023	10.5	3	--F	1	0233	.93	.94		2	
GRP22010	11	1148	1205	1152	S06	E51	.774	10030	15.3	17	--F			.58			3 3 3 6	
HTPR	11	1148	1203	1152	S03	E48	.742	10030	15.1	15	-F			.93	1.40			
CAPS	11	1148	1205		S07	E54	.805	10030	15.5	17	-F	3	V	.40	.70	147		
MCMA	11	1149	1207	1152	S08	E52	.784	10030	15.4	18	-N		C	.41	.70		E	
GRP22012	11	1225	1234	1228	N12	W36	.643	10022	8.8	9	--F			.21			2 2 2 6	
HTPR	11	1225	1235	1228	N12	W35	.631	10022	8.9	10	-F		C	.21	.30			
MCMA	11	1225	1232	1227	N11	W37	.650	10022	8.7	7	-N		C	.21	.30		E	
GRP22014	11	1335	1430	1407	N37	W86	1.000	10033	5.1	55	--F			.21			3 3 1 5	
MCMA	11	1335	1430		N36	W90	1.002	10033	4.8	55	-F		C					
MONT	11	1405	1419	1408	N38	W88	1.001	10033	5.0	14	-N		C					
BOUL	11	1406E	1440D	1406	N36	W80	.997	10033	5.6	34D	1F		V					
GRP22015	11	1442	1457	1444	S07	E45	.704	10030	15.0	15	--F			.31			2 2 1 5	
BOUL	11	1441	1456	1443	S06	E44	.692	10030	14.9	15	-F		V					
MCMA	11	1443	1457	1444	S07	E46	.716	10030	15.1	14	-F		C	1444	.31	.40		E
GRP22016	11	1513	1520	1516	S09	E36	.585	10031	14.3	7	--F			.41			2 2 1 5	
MCMA	11	1512	1519	1515	S08	E36	.585	10031	14.3	7	-N		C	1515	.41	.50		EL
BOUL	11	1513	1520	1516	S10	E36	.586	10031	14.3	7	-F		V					
GRP22025	12	0939	0956	0943	S06	E34	.556	10030	15.0	17	--N			.75			3 3 3 6	
CATA	12	0930	1000D	0940	S07	E34	.556	10030	14.9	30D	-N			.46	.56	195	TZ	
CAPS	12	0944	0955D		S05	E36	.586	10030	15.1	11D	-N	3	V	.60	.70	174		
ZURI	12	0944E	0954	0945	S07	E33	.542	10030	14.9	10D	-N		P	0945	1.18	1.40		E
GRP22029	12	1524	1531	1525	N13	E60	.887	10035	17.1	7	-N			.51			2 2 2 6	
CANR	12	1524	1530	1525	N12	E59	.877	10035	17.1	6	-N		C		.50	1.00		E
MCMA	12	1524	1531	1525	N14	E60	.889	10035	17.1	7	-N		C	1525	.52	1.00		E
GRP22030	12	1543	1605	1546	S06	E32	.527	10030	15.1	21	--B			.79			3 3 3 4	
LOCA	12	1542	1603	1546	S06	E31	.513	10030	15.0	22	-B		V	1546	1.26	1.50		
MCMA	12	1543	1605	1546	S07	E33	.542	10030	15.1	22	-B		C	1546	.52	.60		EH
CAPS	12	1544	1607		S05	E33	.543	10030	15.1	23	-B	2	V	1548	.60	.80	237	E
031 HALE	12	1835	1842	1837	S09	E31	.513	10030	15.1	7	--F	2	C	1837	.21	.20		3
GRP22032	12	1947	2005	1951	N15	E43	.737	10032	16.0	18	--F			.31			3 2 2 3	
SACP	12	1946	2003	1951	N15	E42	.726	10032	16.0	17	-F		C		.31	.38		
HALE	12	1948	2007	1951	N15	E43	.737	10032	16.1	19	-F	2	C	1951	.31	.50		F
MCMA	12	1950	2005	1951	N10	E32	.582	10032	15.2	15	-F		C	1951	.31	.40		E
GRP22033	12	2113	2121	2115	N34	W88	1.000	10033	6.3	8	-N			.26			2 2 1 4	
HALE	12	2112	2122	2115	N35	W86	1.000	10033	6.4	10	-N	2	C	2115	.26			
MCMA	12	2113	2120	2114	N33	W90	1.002	10033	6.1	7	-N		C	2114				
GRP22035	12	2223	2236	2226	N35	W88	1.000	10033	6.3	13	1B			.62			2 2 2 3	
HALE	12	2222	2228D	2226	N34	W86	1.000	10033	6.5	6D	1B	2	P	2226	.41			
MANI	12	2223	2236	2225	N35	W90	1.002	10033	6.2	13	1N	2		2225	.83	2.68		
GRP22036	13	0247	0331	0256	S19	W39	.645	10023	10.2	44	--N			.74			3 3 3 6	
MANI	13	0244	0345	0258	S18	W40	.655	10023	10.1	61	-N	2		0258	1.03	1.40		
MITK	13	0248	0325	0255	S19	W40	.658	10023	10.1	37	-N		C	0255	.62	.80		EH
HALE	13	0249	0324	0254	S19	W38	.633	10023	10.3	35	-N	2	C	0254	.57	.70		F
GRP22038	13	0552	0604	0555	N13	E50	.800	10035	17.0	12	-N			.90			2 2 2 6	
CRON	13	0552	0600	0555	N12	E51	.806	10035	17.1	8	-N		C		.80	1.40		
CAPS	13	0555E	0607		N14	E49	.793	10035	16.9	12D	-N	2	V	0558	1.00	1.60	182	
GRP22039	13	0728	0738	0730	N11	E51	.803	10035	17.1	10	-N			1.12			4 4 3 9	
ISTA	13	0726	0745	0731	N10	E52	.811	10035	17.2	19	-N							
CRON	13	0727	0732	0729	N12	E51	.806	10035	17.1	5	-N		C		.80	1.40		
CANR	13	0728E	0736	0730	N12	E50	.797	10035	17.1	8D	-N		C		.90	1.50		
BUCA	13	0730	0740		N10	E52	.811	10035	17.2	10	1N		C	0731	1.66	2.80		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
					LAT.	MER. DIST.													
GRP22080	1969 APR 14	1343	1354	1345	N20	E58	.887	10035	18.9	11	--N							6 6 6 7	
SACP	14	1341	1401	1345	N21	E59	.897	10035	19.0	20	-N								
MCMA	14	1341	1355	1344	N21	E59	.897	10035	19.0	14	-N		1344	.72	1.15			EL	
CAPS	14	1342	1351		N21	E57	.882	10035	18.8	9	-N	3	V	1345	1.00	2.00		168	F
CANR	14	1342	1354	1346	N19	E58	.885	10035	18.9	12	-N				.60	1.20			
ZURI	14	1343	1347D	1345	N20	E58	.887	10035	18.9	4D	-N			P	1345	.91	1.90		
MEUD	14	1347	1348		N20	E58	.887	10035	18.9	1	1F			C	1348	1.03	2.10		E
GRP22082	14	1415	1422	1416	N21	E57	.882	10035	18.9	7	--N				.42				3 3 2 7
SACP	14	1415	1423U	1416	N20	E57	.880	10035	18.9	8D	-N			C		.31	.47		
MCMA	14	1415	1420	1416	N21	E57	.882	10035	18.9	5	-N			C	1416	.52	1.10		EL
BOUL	14	1415E	1423		N21	E57	.882	10035	18.9	8D	-F		V						
GRP22086	14	1529	1544	1529	N21	E57	.882	10035	18.9	15	-N				.71				3 3 1 7
ZURI	14	1529	1543	1529	N20	E58	.887	10035	19.0	14	-N			C	1529	.71	1.50		
BOUL	14	1529E	1546	1529	N21	E56	.875	10035	18.8	17D	-F		V						
CAPS	14	1530E	1543D		N21	E56	.875	10035	18.8	13D	-N	2	V					CF	
GRP22090	14	1712	1738	1715	S14	W05	.168	10031	14.3	26	1N				2.29				6 6 6 6
MCMA	14	1711	1746	1716	S14	W04	.160	10031	14.4	35	1B		C	1716	2.06	2.10		F	
SACP	14	1711	1735D	1715	S14	W04	.160	10031	14.4	24D	1N		C		2.67	2.62			
HOUT	14	1712	1725	1715	S14	W05	.168	10031	14.3	13	1N		C		2.20	2.20			
CANR	14	1712	1726	1716	S14	W05	.168	10031	14.3	14	1N		C		2.10	2.10			
HALE	14	1712	1803	1715	S12	W04	.129	10031	14.4	51	1B	3	C	1715	3.20	3.20		F	
BOUL	14	1715E	1715D	1715U	S14	W04	.160	10031	14.4		-N		C		1.50	1.50			
HALE	14	1723	1759	1728	S10	W08	.157	10031	14.1	36	-F	3	C	1728	.93	.90			
GRP22091	14	1718	1750	1725	N09	E32	.575	10035	17.1	32	-B				1.26				6 6 5 6
MCMA	14	1716	1753	1726	N10	E32	.581	10035	17.1	37	-B			C	1726	1.34	1.70		
HALE	14	1716	1754	1721	N10	E32	.581	10035	17.1	38	1B	3	C	1721	1.86	2.30		F	
SACP	14	1717	1735D	1725U	N10	E32	.581	10035	17.1	18D	-B		C		.92	.99			
CANR	14	1718	1737	1725	N08	E33	.583	10035	17.2	19	-B		C		1.20	1.50		E	
HOUT	14	1721	1729D	1728U	N07	E32	.564	10035	17.1	8D	-N		C		1.00	1.20		E	
BOUL	14	1727E	1755D		N10	E32	.581	10035	17.1	28D	-N		V						
GRP22093	14	1905	1923	1907	N21	E60	.903	10035	19.3	18	-N				.98				2 2 2 3
HALE	14	1905	1923	1907	N21	E59	.897	10035	19.2	18	1N	2	C	1907	1.03	2.30		F	
MCMA	14	1908E	1917D		N20	E60	.901	10035	19.3	9D	-N		C	1908	.93	1.80		E	
GRP22094	14	1915	1931	1919	N10	E28	.530	10035	16.9	16	--N				.72				3 3 3 3
HALE	14	1913	1930	1918	N10	E28	.530	10035	16.9	17	-B	2	C	1918	.93	1.10		FK	
SACP	14	1915	1932	1920	N10	E27	.517	10035	16.8	17	-N		C		.83	.86			
MCMA	14	1916	1923D		N10	E30	.556	10035	17.1	7D	-N		P	1918	.41	.50		E	
HALE	14	1927	1936	1928	N10	E26	.504	10035	16.8	9	-B	2	C	1928	.31	.40			
GRP22095	14	1930	1959	1933	N20	E31	.641	10035	17.1	29	-B				1.24				2 2 2 2
HALE	14	1929	1959	1931	N20	E31	.641	10035	17.1	30	1B	1	C	1931	1.75	2.30			
SACP	14	1930	1944U	1935U	N20	E30	.631	10035	17.1	14D	-N		C		.72	.80			
GRP22096	14	2001	2025	2005	N10	E28	.530	10035	16.9	24	-N				1.24				3 3 2 4
HALE	14	2000	2025	2003	N11	E28	.537	10035	16.9	25	-B	2	C	2003	1.24	1.50			
SACP	14	2001	2025	2004	N10	E28	.530	10035	16.9	24	-N		C		1.24	1.29			
BOUL	14	2008E	2021D	2008	N10	E29	.543	10035	17.0	13D	-N		V						
GRP22097	14	2029	2038	2031	N21	E55	.868	10035	19.0	9	--F				.83				2 2 1 3
BOUL	14	2029E	2037D	2031	N21	E55	.868	10035	19.0	8D	-F		V						
HALE	14	2029	2038	2030	N21	E54	.860	10035	18.9	9	-N	1	C	2030	.83	1.60		F	
098 HALE	14	2034	2059	2039	N17	E14	.448	10032	15.9	25	-N	1	C	2039	1.44	1.60		F	3
GRP22100	14	2147	2224	2151	N20	E31	.641	10035	17.2	37	-B				.31				2 1 1 3
HALE	14	2147	2224	2151	N20	E31	.641	10035	17.2	37	-B	1	C	2151	.31	.40			
MANI	14	2200E	2300	2206	N18	E30	.615	10035	17.2	60D	1N	2		2206	2.06	2.66			
GRP22101	15	0006	0041	0012	N19	E32	.643	10035	17.4	35	1N				2.29				5 5 5 5
HALE	15	2344	0015	2348	N20	E42	.750	10035	18.1	31	-N	1	C	2348	1.24	1.90		F	
HALE	15	0005	0048	0009	N19	E31	.632	10035	17.3	43	-N	1	C	0009	2.17	2.80			
SACP	15	0006	0052	0017	N19	E31	.632	10035	17.3	46	-N		C		1.75	1.94			
CRON	15	-0006	0027	0010	N18	E31	.625	10035	17.3	21	1N		C		2.10	2.70		E	
SIBE	15	0007	0035	0009	N20	E32	.650	10035	17.4	28	1N		C	0009	3.47	4.20		DJ	
MANI	15	0010E	0130	0015	N18	E30	.614	10035	17.3	80D	1B	2		0015	1.96	2.53		82	
GRP22102	15	0017	0032	0021	S10	W03	.092	10030	14.8	15	--F				.54				2 2 2 5
MANI	15	0016	0035	0022	S10	W02	.084	10030	14.9	19	-F	2		0022	.72	.72			
HALE	15	0017	0029	0020	S09	W03	.078	10030	14.8	12	-F	1	C	0020	.36	.40			

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION — MIN.	IM-POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	
	1969 APR															
GRP22103	15	0017	0037	0022	N21	E54	.860	10035	19.1	20	1N					5 5 5 5
SACP	15	0016	0048	0024	N22	E55	.870	10035	19.1	32	1N	8	C	1.66	2.48	
HALE	15	0017	0036	0021	N21	E52	.844	10035	18.9	19	1N	1	C	1.55	2.90	
CRON	15	0017	0032	0021	N21	E53	.852	10035	19.0	15	1N	8	C	1.70	3.10	E
MANI	15	0018	0040	0022	N20	E53	.848	10035	19.0	22	1N	2	C	1.75	3.11	
SIBE	15	0018	0030	0020	N19	E55	.861	10035	19.1	12	1F	8	C	2.64	4.70	78 EJ
GRP22107	15	0244	0300	0248	N22	E29	.638	10035	17.3	16	1N			1.76		
CRON	15	0235	0300	0244	N24	E33	.691	10035	17.6	25	1F			2.60	3.60	
HALE	15	0248	0259	0250	N20	E27	.600	10035	17.1	11	1N	1	C	.83	1.00	
VORO	15	0249	0300	0250	N21	E27	.610	10035	17.1	11	1B			1.85	2.13	103 DJ
GRP22108	15	0348	0354	0350	N21	E26	.600	10035	17.1	6	-B			.99		
HALE	15	0348	0353	0350	N20	E24	.571	10035	17.0	5	-N	1	C	.31	.40	
VORO	15	0351	0354		N21	E27	.610	10035	17.2	3D	-B			1.66	1.90	98 CEJ
110 HALE	15	0424	0426		N10	E23	.465	10035	16.9	2D	-N	1	P	.93	1.00	3
GRP22111	15	0430	0453	0432	N10	E24	.478	10035	17.0	23	-N			1.44		
MANI	15	0430	0500		N11	E25	.499	10035	17.1	30D	1N	2		1.75	2.01	
TACH	15	0430	0445		N09	E23	.457	10035	16.9	15D	-N			1.29	1.70	2.40 68 E
KODA	15	0430	0437	0432	N11	E23	.474	10035	16.9	7D	-B			1.29	1.50	1.52 E
GRP22113	15	0533	0600	0536	S14	W12	.250	10031	14.3	27	-F			2.10		
ABST	15	0533	0600	0536	S14	W14	.278	10031	14.2	27	1F			3.16	3.20	54 I
MANI	15	0533	0556		S13	W10	.213	10031	14.5	23D	-N	2		1.03	1.06	
GRP22114	15	0636	0650	0639	N11	E22	.462	10035	16.9	14	-N			1.47		
MANI	15	0633	0650	0640	N10	E22	.453	10035	16.9	17D	-N	2		1.13	1.28	
ABST	15	0638	0650	0638	N11	E22	.462	10035	16.9	12	-N			1.80	2.00	70 E
GRP22116	15	0757	0830	0804	N20	E28	.610	10035	17.4	33	-N			1.50		
ARCE	15	0751	0827	0805	N19	E27	.591	10035	17.4	36	-N			1.32	1.70	4 4 4 9
ABST	15	0756	0830	0803	N20	E27	.600	10035	17.4	34	1N			3.16	3.90	64 E
MONT	15	0800	0838	0803	N19	E29	.612	10035	17.5	38D	-N			.26		
MANI	15	0802	0823	0805	N20	E30	.630	10035	17.6	21	-F	2		1.24	1.65	
GRP22118	15	1007	1023	1010	N18	E28	.593	10035	17.5	16	--F			.65		
MONT	15	1007	1021	1010	N19	E29	.612	10035	17.6	14	-N			.77		2 2 2 7
ARCE	15	1009	1024		N16	E26	.554	10035	17.4	15D	-F			.53	.60	
GRP22119	15	1154	1212	1159	N10	E19	.415	10035	16.9	18	-N			1.77		
MONT	15	1152	1213	1159	N10	E19	.415	10035	16.9	21	-B			1.55		6 6 5 7
ABST	15	1153	1210	1158	N10	E18	.403	10035	16.8	17	-F			1.80	2.00	96 E
CAPE	15	1153	1210	1200	N10	E18	.403	10035	16.8	17	-N			1.04	1.10	FV
CAPP	15	1154	1216		N09	E19	.406	10035	16.9	22D	1N			1.59	2.48	
CAPS	15	1155	1210		N11	E23	.474	10035	17.2	15	1B	3	P	1.58	3.76	
HURB	15	1159	1210		N09	E17	.381	10035	16.8	11	1N			2.00	2.20	265 2.60
GRP22120	15	1227	1242	1231	N09	E19	.406	10035	16.9	15	-B			1.58		
MONT	15	1226	1241	1231	N09	E19	.406	10035	16.9	15	-B			1.13		4 4 4 6
CAPS	15	1227	1234		N11	E23	.474	10035	17.2	7D	-B	2	S	1.70	1.90	449 H
CAPE	15	1227	1241	1230	N09	E17	.381	10035	16.8	14	-N			1.13	1.20	H
CAPP	15	1232	1244		N08	E18	.383	10035	16.9	12D	1N			2.35	2.62	H
4 STATIONS REPORTING GROUP 22122. 5 STATIONS OBSERVING AND NOT REPORTING.																
GRP22122	15	1303	1344	1308	N21	E23	.572	10035	17.3	41	1N			2.15		2 2 2 8
CANR	15	1303	1320	1308	N19	E21	.532	10035	17.1	17	1N			1.80	2.20	E
CAPS	15	1308	1408D		N22	E25	.601	10035	17.4	60D	1N	2	V	2.50	3.00	196
22122	15	1310	1331	1325	N18	E17	.484	10035	16.8	21	*-N			1.09		2 2 1 8
HURB	15	1310	1331		N18	E16	.476	10035	16.7	21	-N					1.90
CATA	15	1320	1330	1325	N17	E18	.482	10035	16.9	10D	-N			1.09	1.27	186
GRP22123	15	1334	1356	1338	N21	E37	.707	10035	18.3	22	-N			1.03		3 3 3 7
SACP	15	1330	1358	1337	N20	E38	.711	10035	18.4	28	-N			.63	.74	
MONT	15	1335	1355	1339	N21	E36	.698	10035	18.3	20	-N			.77		
CAPS	15	1336	1355D		N21	E38	.717	10035	18.4	19D	1N	2	V	1.39	2.40	173
GRP22125	15	1438	1459	(1442)	N22	E27	.619	10035	17.6	21	-N			.51		2 2 2 4
MONT	15	1432	1458	1437	N21	E25	.591	10035	17.5	26	-N			.52		
CAPS	15	1443	1459		N22	E28	.628	10035	17.7	16	-N	3	V	1.47	.60	194 E
GRP22127	15	1638	1653	1641	N10	E16	.380	10035	16.9	15	-N			1.41		4 4 4 4
SACP	15	1336	1652	1640	N10	E16	.380	10035	16.8	196	-N			1.13	1.14	
CANR	15	1637	1649	1640	N09	E16	.369	10035	16.9	12	-B			1.10	1.20	
MONT	15	1637	1653	1639	N09	E17	.381	10035	17.0	16	1N			1.639	2.37	
HALE	15	1638	1657	1643	N10	E16	.380	10035	16.9	19	-N	2	C	1.03	1.10	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH FLAGE REGION				OMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Hg
128 SACP	1969 APR 15	2001	2009	2004	N15	E09	.382	10035	16.5	8	--N	C	.72	.72			1
129 SACP	15	2030	2147	2037	N08	E18	.383	10035	17.2	77	--N	C	.93	.93			1
GRP22131	15	2336	0038	2352	N19	E15	.481	10035	17.1	62	1N	C	2.92				5 5 5 5
MANI	15	2319E	2330	2322	N20	E17	.509	10035	17.2	11D	-F	2	2322	.52	.70		
SACP	15	2320	2355D	2350	N19	E15	.481	10035	17.1	35D	1N	C	2.28	2.34			
CULG	15	2335E	0200	2358	N19	E18	.505	10035	17.3	145D	1N	P	2358	3.92	4.40		
VORO	15	2337	0017	2351	N19	E12	.459	10035	16.9	40	1B	C	2351	3.05	3.39		93
MANI	15	2338E	0030	2345	N20	E17	.509	10035	17.3	52D	1N	2	2345	1.86	2.20		EJK
CRON	15	2351E	0045	2357U	N19	E15	.481	10035	17.1	54D	1N	C		3.50	4.00		BE
GRP22132	16	0023	0112	0036	N17	E28	.583	10035	18.1	49	--F		.81				3 3 3 6
HALE	16	0020E	0114D	0035	N16	E27	.564	10035	18.0	54D	-F	2	P 0035	.46	.60		
SACP	16	0026	0042D	0030	N17	E29	.594	10035	18.2	16D	-F	C	0042	.94	1.01		
MANI	16	0040E	0110	0042	N18	E28	.592	10035	18.1	30D	-F	2		1.03	1.30		
GRP22133	16	0130	0143	0135	N13	E14	.394	10035	17.1	13	--F		1.41				2 2 2 5
MANI	16	0115E	0140		N21	E18	.528	10035	17.4	25D	-F	2	0118	1.24	1.54		
CRON	16	0130	0145	0137	N13	E16	.414	10035	17.3	15	1F	C		2.20	2.40		E
MANI	16	0131E	0141	0133	N06	E04	.212	10035	16.4	10D	-F	2	0133	.62	.64		
GRP22136	16	0626	0633	0627	S09	W18	.312	10030	14.9	7	--N		.65				2 2 2 5
ABST	16	0625	0629	0627	S09	W19	.328	10030	14.8	4	-F	C	0627	.90	.90		53
CAPS	16	0626	0637		S08	W17	.293	10030	15.0	11	-B	3	V 0627	.40	.40		208
GRP22140	16	0800	0805	0802	N20	E11	.466	10035	17.2	5	--F		.65				3 3 3 10
MEUD	16	0759	0802	0800	N20	E10	.460	10035	17.1	3	-F	C	0800	.93	1.00		D
MANI	16	0800	0806D	0803	N20	E10	.460	10035	17.1	6D	-F	2	0803	.52	.59		
CAPS	16	0800	0807		N20	E12	.472	10035	17.2	7	-N	2	V 0801	.50	.50		182
GRP22141	16	0821	0837	0825	N20	E35	.680	10035	19.0	16	1N	C	0822	2.23			3 3 3 7
MEUD	16	0819	0826		N21	E36	.697	10035	19.0	7	1N	C	0823	3.09	4.20		F
CAPS	16	0822	0835		N19	E38	.704	10035	19.2	13	-B	2	V 0823	1.00	1.30		265
CRON	16	0823E	0840	0825	N19	E32	.642	10035	18.7	17D	1N	C		2.60	3.40		E
MEUD	16	0836	0837		N21	E36	.697	10035	19.1	1	1F	C	0836	3.09	4.20		F
GRP22144	16	1220	1300	1225	N08	E11	.300	10035	17.3	40	--F		.53				2 2 2 4
CATA	16	1220E	1300	1225	N06	E10	.263	10035	17.3	40D	-N		1225	.46	.48		195
CAPS	16	1220E	1235D		N09	E11	.313	10035	17.3	15D	-F	3	V 1225	.60	.60		150
GRP22149	16	1437	1456	1445	N17	E23	.530	10035	18.3	19	-N		1.01				5 5 5 9
SACP	16	1437	1458D	1441	N19	E21	.531	10035	18.2	21D	-N	C		1.67	1.75		
HTPR	16	1437	1454	1444	N15	E26	.544	10035	18.6	17	-F	C	1444	1.24	1.40		
MEUD	16	1437	1444		N18	E23	.540	10035	18.3	7	-F	C	1439	.41	.50		
MCMA	16	1438E	1507	1451	N16	E23	.520	10035	18.3	29D	-N	C	1451	.72	.80		E
CANR	16	1438	1456	1442	N18	E23	.540	10035	18.3	18	-N	C		1.00	1.20		
GRP22151	16	1559	1627	1605	N20	E06	.442	10035	17.1	28	--F		1.27				4 4 4 6
MCMA	16	1557	1650	1605	N20	E05	.439	10035	17.0	53	1N	C	1605	1.86	2.00		E
MONT	16	1559	1618	1604	N20	E05	.439	10035	17.0	19	-N	C	1604	1.03			
MEUD	16	1600	1609		N20	E05	.439	10035	17.0	9	-F	C	1602	.93	1.00		E
HTPR	16	1600	1630		N20	E10	.460	10035	17.4	30	-F	C	1609	1.24	1.20		
GRP22152	16	1723	1748	1729	N06	E03	.207	10035	16.9	25	--N		.89				4 4 4 5
MCMA	16	1717	1750D	1727	N05	E03	.190	10035	16.9	33D	-N	C	1727	.72	.70		E
HTPR	16	1722	1740		N06	E08	.243	10035	17.3	18	-F	C	1728	.83	.80		
SACP	16	1725	1743	1730	N07	E01	.218	10035	16.8	18	-N	C		1.14	1.13		
HALE	16	1727	1758	1730	N07	E01	.218	10035	16.8	31	-N	2	C 1730	.88	.90		
GRP22153	16	1752	1825	1757	N06	E02	.203	10035	16.9	33	-N		1.53				4 4 4 4
HALE	16	1750	1830	1755	N06	E02	.203	10035	16.9	40	-N	2	C 1755	1.96	2.00		E
MCMA	16	1750	1845D	1758	N05	E03	.190	10035	17.0	55D	-B	C	1758	1.29	1.30		
SACP	16	1751	1815	1756	N06	E01	.201	10035	16.8	24	-N	C		1.67	1.64		
CANR	16	1756	1809	1759	N06	E02	.203	10035	16.9	13	-N	C		1.20	1.20		E
GRP22154	16	1804	1842	1807	N19	E04	.420	10035	17.1	38	--F		.78				2 2 2 4
HALE	16	1804	1838	1807	N19	E03	.418	10035	17.0	34	-F	2	C 1807	.93	1.00		E
MCMA	16	1804	1845D	1806	N19	E04	.420	10035	17.1	41D	-N	C		.62	.70		
GRP22155	16	1845	1915	1849	N19	E04	.420	10035	17.1	30	--N		.73				2 2 2 4
MCMA	16	1845	1915	1850	N19	E04	.420	10035	17.1	30	-N	C	1850	.52	.60		E
HALE	16	1845	1913D	1848	N19	E03	.418	10035	17.0	28D	-N	2	P 1848	.93	1.00		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MC MATH FLAGE REGION	OMP DAY				MIN.	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha
1969 APR																		
GRP22156	16	2030	2202	2101	N15	E02	.353	10035	17.0	92	1B							
MCMA	16	2030	2157D		N17	E02	.385	10035	17.0	87D	1B	C	2109	4.47			3 2 2 3	
MCMA	16	2030	2157D		N17	E02	.385	10035	17.0	87D	1B	C	2042	4.13	4.50		FHK	
SACP	16	2101E	2123U	2101U	N17	E02	.385	10035	17.0	22D	1N	C		3.09	3.40		FHK	
SACP	16	2101E	2130D	2101U	N08	E03	.240	10035	17.1	29D	-N	C		3.55	3.55			
VORO	16	2135E	2202		N07	E03	.223	10035	17.1	27D	-B	C	2145	.65	.66		97 DJ	
157 MCMA	16	2110E	2143		S10	W29	.486	10030	14.7	33D	-N	C	2112	1.29	1.50		E 2	
158 VORO	16	2139	2145	2142	N16	W63	.913	10026	12.2	6	--B	C	2142	.37	.86		71 DJ 2	
GRP22159	16	2231	2246	2235	S10	W28	.471	10030	14.8	15	--N			.87			2 2 2 2	
MANI	16	2230	2245	2235	S10	W28	.471	10030	14.8	15	-F	2	2235	.72	.83			
VORO	16	2231	2247	2234	S09	W28	.469	10030	14.8	16	-B	C	2234	1.02	1.10		87 EJ	
GRP22160	16	2235	2255	2239	N08	W04	.244	10035	16.6	20	-N			1.28			2 2 2 3	
VORO	16	2235	2252	2238	N08	W04	.244	10035	16.6	17	-B	C	2238	1.11	1.10		106 EJ	
MANI	16	2235	2258	2240	N08	W03	.240	10035	16.7	23	-F	2	2240	1.44	1.50			
GRP22161	16	2309	2335	2314	N08	W03	.240	10035	16.7	26	-N			1.76			2 2 2 3	
VORO	16	2307	2324	2313	N08	W03	.240	10035	16.7	17	-B	C	2313	1.66	1.60		114 EJ	
MANI	16	2310	2345	2314	N08	W03	.240	10035	16.7	35	-F	2	2314	1.86	1.90			
162 MANI	17	0040	0055	0041	N14	W01	.334	10035	17.0	15	--F	2	0041	.52	.55		3	
GRP22165	17	1019	1038	1022	N21	E20	.544	10035	18.9	19	-N			1.73			7 7 7 7	
CAPE	17	1015	1045	1022	N21	E17	.519	10035	18.7	30	-N	C	1022	.90	1.00			
CANR	17	1018	1034	1023	N23	E24	.600	10035	19.2	16	-N	C		1.30	1.70		E	
ARCE	17	1018	1031	1022	N20	E24	.570	10035	19.2	13	1F	C	1022	2.33	2.80		EI	
HPR	17	1018	1037	1022	N20	E18	.515	10035	18.8	19	-F	C	1022	1.44	1.60			
MONT	17	1019E	1025D	1025	N21	E22	.561	10035	19.1	6D	1B	C	1025	4.54				
CATA	17	1020E	1045D	1020	N18	E17	.482	10035	18.7	25D	-B		1020	.58	.67		219	
CAPS	17	1024	1038D		N23	E19	.559	10035	18.9	14D	-F	3	V 1025	1.00	1.50		157	
167 HPR	17	1145	1154	1146	N20	E24	.570	10035	19.3	9	--F	C	1146	.93	1.10		4	
	17	1704	1705	NO FLARE PATROL														
172 BOUL	17	1830	1845	1833	N27	E26	.657	10035	19.7	15	-B	C		.90	1.20		2	
	17	2015	2032	NO FLARE PATROL														
GRP22173	17	2327	2355	2334	N16	W21	.498	10032	16.4	28	-N			.83			3 1 1 3	
CULG	17	2250	0050	2321	N19	W20	.521	10032	16.5	120	1N	C	2321	2.48	2.80		HLS	
SACP	17	2327E	2355D	2334	N16	W21	.498	10032	16.4	28D	-N	C		.83	.86			
BOUL	17	2332E	2353	2334	N19	W07	.429	10032	17.5	21D	-N	V						
176 MANI	18	0200	0216	0210	S19	E13	.319	10039	19.1	16	--F	2	0210	.72	.82		2	
GRP22177	18	0339	0518	0439	N23	E34	.691	10035	20.7	99	1B			1.73			4 3 3 4	
CULG	18	0339E	0529	0441	N23	E33	.681	10035	20.6	110D	1B	P	0441	1.86	2.50			
TACH	18	0436	0506	0440	N24	E34	.698	10035	20.7	30	1B	V	0440	2.37	3.30		120 F	
KODA	18	0437E	0502D	0437	N23	E34	.691	10035	20.7	25D	-B	V	0443	.96	1.40		2.44 JM	
MANI	18	0443E	0505D		N23	E33	.681	10035	20.7	22D	1N	1	0457	1.65	2.20			
GRP22179	18	0614	0648	0621	N08	W14	.331	10035	17.2	34	-N			3.18			3 3 2 5	
MANI	18	0613	0632D	0623	N09	W12	.321	10035	17.4	19D	-N	2	0623	1.86	1.98			
CRIM	18	0614	0648D	0618U	N08	W15	.343	10035	17.1	34D	1N	C	0618	4.50	4.80		E	
ISTA	18	0614	0630D		N07	W16	.345	10035	17.1	16D	-B							
GRP22182	18	0816	0822 (0817)		N22	E31	.654	10035	20.7	6	--F			.34			2 2 2 6	
MEUD	18	0816	0822		N23	E32	.672	10035	20.7	6	-N	C	0816	.36	.50		D	
ARCE	18	0817E	0817D		N21	E30	.636	10035	20.6		-F	C	0817	.32	.40		EI	
GRP22183	18	0819	0843	0821	N18	E06	.409	10035	18.8	24	--F			1.27			2 2 2 8	
ARCE	18	0817	0900D	0821	N17	E06	.393	10035	18.8	43D	-N	C	0821	.98	1.00			
MEUD	18	0820	0825		N19	E05	.421	10035	18.7	5	-F	C	0820	1.55	1.60		E	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
1969 APR																		
GRP22207	19	0858	0934	0913	N22	E01	.459	10035	19.4	36	1N							
ABST	19	0800	1235	0912	N21	E00	.443	10035	19.3	275	1B	8	C	0912	3.14		71	7 7 7 8
MANI	19	0857	0932D	0912	N23	E02	.475	10035	19.5	35D	1N	2	C	0912	4.05	4.47		
CAPS	19	0859	0942		N23	E02	.475	10035	19.5	43	1B	3	P	0914	3.71	4.14		
MONT	19	0910E	0928	0912	N21	E01	.443	10035	19.5	18D	1B	8	C	0912	2.50	2.80	228	
CANR	19	0910E	0930	0911U	N21	W01	.443	10035	19.3	20D	1N	8	C		5.67			
KODA	19	0912E	0930D	0912	N21	E03	.446	10035	19.6	18D	1F	8	V	0918	2.50	2.80		EI
CRON	19	0920E	0937	0921U	N21	W02	.444	10035	19.2	17D	-B	8	C		1.93	2.10	1.80	EM
															1.60	1.80		
22207	19	0931	0936	0931	N22	W01	.459	10035	19.3	5	*1F				1.03			2 2 1 9
HURB	19	0908E	0938		N21	W01	.443	10035	19.3	30D	2F	8					2.20	
MEUD	19	0931	0934		N22	W01	.459	10035	19.3	3	-F	8	C	0931	1.03	1.10		
GRP22208	19	1205	1230	1209	N20	W03	.430	10035	19.3	25	-N				1.05			2 2 2 6
CANR	19	1205	1230	1209	N21	W04	.448	10035	19.2	25	-N	8	C		1.60	1.80		I
CAPS	19	1212E	1217D		N19	W01	.412	10035	19.4	5D	-N	2	S	1215	.50	.50	182	
GRP22210	19	1351	1419	1355	N21	W06	.453	10035	19.1	28	-B				2.18			5 4 4 5
MCMA	19	1335	1425	1355	N22	W07	.472	10035	19.0	50	-B			1355	1.29	1.50		ELV
CANR	19	1347	1415	1351	N21	W05	.450	10035	19.2	28	N				2.50	2.80		E
SACP	19	1352	1421	1355	N21	W06	.453	10035	19.1	29	1B				3.23	3.29		
HOUT	19	1353	1415	1358	N21	W05	.450	10035	19.2	22	-B				1.70	1.90		E
LOCA	19	1408E	1430		N21	W06	.453	10035	19.1	22D	-N			1408	1.46	1.60		
GRP22211	19	1358	1424	1406	N22	E11	.490	10035	20.4	26	-N				1.21			6 5 5 6
MCMA	19	1353	1425	1405	N23	E12	.510	10035	20.5	32	-N			1405	.83	.90		E
SACP	19	1357	1425	1409	N22	E11	.490	10035	20.4	28	-N				1.45	1.51		
CANR	19	1358	1420	1403	N21	E11	.476	10035	20.4	22	-N				1.40	1.60		
HOUT	19	1403	1412	1406	N21	E13	.488	10035	20.6	9	-N				.90	1.00		
LOCA	19	1408E	1440		N22	E09	.480	10035	20.3	32D	-N			1408	1.46	1.70		
BOUL	19	1426	1447	1432	N24	E13	.529	10035	20.6	21	-N							
GRP22213	19	1433	1442	1434	N20	W12	.468	10035	18.7	9	--F				.47			2 2 2 5
MCMA	19	1433	1442	1434	N21	W10	.471	10035	18.9	9	-F			1434	.52	.60		E
SACP	19	1433	1442	1434	N19	W13	.461	10035	18.6	9	-N				.41	.42		
GRP22215	19	1841	1913	1844	N22	W07	.472	10035	19.3	32	1B				2.87			3 3 3 3
MCMA	19	1838	2000	1843	N22	W07	.472	10035	19.3	82	1B			1843	2.32	2.60		FLRX
BOUL	19	1840	1910	1844	N22	W08	.476	10035	19.2	30	1B				3.40	3.70		E
HOUT	19	1844	1915	1846	N21	W07	.457	10035	19.3	31	1B				2.90	3.30		EL
GRP22216	19	1852	1901	1854	S15	W39	.636	10045	16.9	9	--N				.31			2 2 1 3
MCMA	19	1850	1901	1853	S15	W39	.636	10045	16.9	11	-N			1853	.31	.40		D
BOUL	19	1853	1900	1855	S14	W39	.634	10045	16.9	7	-N							
GRP22217	19	1941	1953	1944	N19	W24	.558	10035	18.0	12	--F				1.04			2 2 1 3
MCMA	19	1925	2055	1942	N21	W28	.616	10035	17.7	90	-N			1942	.52	.70		DLK
MCMA	19	1940	1955	1946	N20	W17	.505	10035	18.5	15	-N	8	C	1946	.52	.60		DL
BOUL	19	1941	1950	1945	N18	W25	.558	10035	17.9	9	-F	8	V					
BOUL	19	1952	2022	2012	N18	W25	.558	10035	18.0	30	-N	8	V					
GRP22219	19	2008	2048	2013	S15	W40	.649	10045	16.8	40	--F				.72			2 2 1 4
MCMA	19	2005	2048	2013	S15	W41	.662	10045	16.8	43	-F	8	C	2013	.72	1.00		E
BOUL	19	2011	2036D	2013	S14	W38	.621	10045	17.0	25D	-N	8	V					
GRP22220	19	2021	2035	2025	N27	W10	.555	10035	19.1	14	--F				.31			2 2 2 5
SACP	19	2021	2039	2025	N26	W09	.537	10035	19.2	18	-N	8	C		.31	.33		
MCMA	19	2024E	2030		N27	W10	.555	10035	19.1	6D	-F	8	C	2026	.31	.40		D
GRP22221	19	2048	2057	2050	N20	W17	.505	10035	18.6	9	--N				.34			2 2 2 4
SACP	19	2048	2100	2050	N19	W16	.484	10035	18.7	12	-N	8	C		.41	.43		
MCMA	19	2048	2054	2050	N20	W17	.505	10035	18.6	6	-N	8	C	2050	.26	.30		D
GRP22222	19	2109	2130	2114	S07	W63	.888	10030	15.2	21	-N				.55			3 3 3 4
CULG	19	2108	2140	2115	S07	W60	.863	10030	15.4	32	1N			2115	1.03			
MCMA	19	2109	2135	2116	S05	W65	.904	10030	15.0	26	-F			2116	.31	.70		E
SACP	19	2109	2115	2110	S08	W63	.888	10030	15.2	6	-N				.31	.49		
GRP22224	19	2243	2259	2248	S06	W66	.911	10030	15.0	16	-B				.74			5 5 5 5
CULG	19	2242	2302	2247	S05	W64	.897	10030	15.1	20	1B			2247	1.03			DT
HALE	19	2243	2245D		S07	W66	.911	10030	15.0	2D	-B	2	P	2245	.41			
MANI	19	2243	2258	2251	S06	W65	.904	10030	15.1	15	-B	2		2251	.83	1.60		
SACP	19	2244	2302	2245	S07	W68	.924	10030	14.8	18	-B				.94	1.66		
HOUT	19	2245	2254	2249	S07	W68	.924	10030	14.8	9	-B				.50	1.10		HZ
GRP22226	20	0014	0033	0019	N27	W12	.563	10035	19.1	19	--F				.62			2 2 2 4
MANI	20	0013	0030	0017	N27	W12	.563	10035	19.1	17	-F	2		0017	.72	.83		
SACP	20	0015	0035	0020	N26	W11	.544	10035	19.2	20	-F				.52	.54		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg		MAX. INT. %	
1969 APR																		
GRP22227	20	0112	0132	0116	S08	W64	.896	10030	15.3	20	--F			.27				2 2 2 5
SACP	20	0109	0122D	0115	S08	W63	.888	10030	15.3	13D	-F			.22		.33		
HALE	20	0114	0132	0116	S08	W64	.896	10030	15.3	18	-N	2	C	.31	.70			
5 STATIONS REPORTING GROUP 22229. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP22229	20	0157	0237	0203	N19	W14	.467	10035	19.0	40	-N			2.33				4 4 4 5
CULG	20	0150	0305	0203	N17	W12	.425	10035	19.2	75	1B	8	C	0203	2.06	2.30		
MITK	20	0200	0216	0203	N20	W18	.512	10035	18.7	16	-N	8	C	0203	1.13	1.30		E
CRON	20	0201	0215	0203	N20	W17	.504	10035	18.8	14	1N	8	C		2.50	2.90		EI
MANI	20	0203E	0250D		N20	W15	.488	10035	19.0	47D	-N	1		0205	3.09	3.40		
MITK	20	0204	0209	0205	N21	W09	.464	10035	19.4	5	-F	8	C	0205	.52	.60		D
22229																		
CULG	20	0212	0250	0222	N21	W10	.469	10035	19.3	38	*1N			2.62				3 3 3 6
CRON	20	0150	0305	0223	N20	W09	.450	10035	19.4	75	1N	8	C	0223	3.09	3.30		K
HALE	20	0212	0235	0220	N24	W09	.508	10035	19.4	23	1N	8	C		2.00	2.30		EI
HALE	20	0222E	0352		N20	W12	.467	10035	19.2	90D	1N	2	P	0222	2.78	3.20		FKL
GRP22232																		
CULG	20	0323	0428D	0352	S07	W62	.880	10030	15.5	65D	1N		P	0352	1.65			4 4 4 6
HALE	20	0341	0402D	0344	S08	W65	.903	10030	15.3	21D	-N	2	P	0344	.41			T
CRON	20	0348	0357	0350	S05	W67	.918	10030	15.1	9	1N		C		1.60	3.40		FVW
MANI	20	0356E	0358D		S05	W66	.911	10030	15.2	2D	-N	2		0357	.93	1.86		
GRP22236																		
MITK	20	0633	0655	0638	N23	W13	.514	10035	19.3	22	-F			1.29				2 2 2 7
MANI	20	0633E	0700	0636	N22	W15	.514	10035	19.1	27	-N		C	0636	1.55	1.80		E
MANI	20	0636E	0650	0640	N23	W11	.503	10035	19.4	14D	-F	1		0640	1.03	1.19		
22236																		
CULG	20	0653	0740	0715	N22	W13	.501	10035	19.3	47	*1N			4.01				5 5 5 7
CATA	20	0626	0726D	0718	N20	W10	.455	10035	19.5	60D	1N		P	0718	4.64	5.10		Z
CATA	20	0645E	0750D	0715	N23	W15	.527	10035	19.2	65D	2B			0715	4.93	5.69		257
CAPE	20	0700	0740	0716	N22	W14	.507	10035	19.2	40	-N		C	0716	1.58	1.80		F
MITK	20	0704	0735	0715	N22	W13	.501	10035	19.3	31	2N		C	0715	5.88	6.70		F
CRON	20	0705	0735	0712	N23	W13	.514	10035	19.3	30	1N		C		3.00	3.50		EI
GRP22237																		
CATA	20	0722	0748	0727	N21	W39	.724	10035	17.4	26	1N			1.55				6 5 4 8
ISTA	20	0720E	0750D	0725	N21	W43	.762	10035	17.1	30D	1B			0725	1.73	2.55		240
CAPE	20	0720	0805	0729	N24	W39	.742	10035	17.4	25	-N							
CRON	20	0724	0735	0728	N18	W34	.653	10035	17.8	11	1N		C	0729	.90	1.30		F
MITK	20	0724	0745D	0729	N21	W40	.734	10035	17.3	21D	1N		C	0729	1.60	2.40		E
MANI	20	0730E	0750D	0739	N22	W38	.720	10035	17.5	20D	-F	1		0739	1.96	2.90		EG
GRP22238																		
MANI	20	0933	0953	0938	N20	W16	.496	10035	19.2	20	--F			1.03				3 3 1 5
CAPS	20	0930	0955	0937	N21	W15	.501	10035	19.3	25	-F	2		0937	1.03	1.21		
ONDR	20	0932	0935D		N20	W17	.504	10035	19.1	3D	-N	2	S	0933	.50	.60		182
CAPS	20	0938	0951	0944	N19	W16	.483	10035	19.2	13	1F		V	0944				2.40
CAPS	20	0944E	0946D		N20	W17	.504	10035	19.1	2D	-N	1	S					
GRP22239																		
CATA	20	0945	1021	0953	N22	E01	.458	10035	20.5	36	1B			0949	3.80			6 6 5 6
MANI	20	0930E	1025	0949	N23	E01	.473	10035	20.5	55D	2B			0949	6.66	7.55		331
CAPS	20	0945	1033D	0952	N25	E03	.505	10035	20.6	48D	1N	2		0952	3.61	4.17		
CAPE	20	0945	0958D		N21	E01	.442	10035	20.5	13D	2N	2	S	0953	4.80	5.30		216
ONDR	20	0945	1020	0951	N22	E00	.457	10035	20.4	35	1B		C	0951	2.12	2.40		HV
CANR	20	0948E	1013		N20	E00	.426	10035	20.4	25D	1B		V	0950				2.90
CANR	20	1000E	1013	1001	N21	E01	.442	10035	20.5	13D	-B		C		1.80	2.00		C
GRP22240																		
CAPE	20	1152	1203	1153	N05	W52	.798	10035	16.6	11	-N			.81				2 2 1 3
ONDR	20	1152	1202	1153	N06	W53	.810	10035	16.5	10	-N		C	1153	.81	1.30		V
ONDR	20	1157E	1204		N04	W50	.775	10035	16.7	7D	-N		V	1158				2.80
GRP22243																		
SANM	20	1250	1303	1252	S15	W51	.778	10045	16.7	13	--F			.53				2 2 2 7
MCMA	20	1249E	1304	1252	S15	W50	.767	10045	16.8	15D	-N	8	C		.65	1.40		D
MCMA	20	1250	1301	1252	S15	W51	.778	10045	16.7	11	-F	8	C	1252	.41	.70		E
8 STATIONS REPORTING GROUP 22245. 1 STATIONS OBSERVING AND NOT REPORTING.																		
GRP22245	20	1346	1511	1408	N22	W16	.521	10035	19.4	85	-B			2.18				7 7 6 9
CATA	20	1315E	1550D	1415	N24	W15	.540	10035	19.4	155D	1B			1415	2.37	2.83		257
CAPE	20	1345	1440	1406	N23	W17	.541	10035	19.3	55	-N		C	1406	1.19	1.40		JTZ
MCMA	20	1346	1512D	1409	N23	W18	.548	10035	19.2	86D	-B		C	1409	1.55	1.80		F
BOUL	20	1353	1428D	1404	N23	W09	.493	10035	19.9	35D	-N		V					FK
CANR	20	1405E	1431	1407D	N21	W17	.516	10035	19.3	26D	-B		C		1.80	2.00		
SANM	20	1405E	1559D		N22	W17	.528	10035	19.3	114D	-N		V	1405	2.59	3.05		
LOCA	20	1410E	1510		N21	W19	.532	10035	19.2	60D	1B		V	1410	3.57	4.10		
22245																		
MCMA	20	1512	1700	1530	N23	W18	.548	10035	19.3	108	*-B			1.55				2 1 1 7
SACP	20	1512	1700	1530	N23	W18	.548	10035	19.3	108	-B			1.55	1.80			FK
SACP	20	1537	1608	1556	N20	W20	.529	10035	19.2	31	-N		C		1.25	1.31		

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OBSERVATORY	OBSERVED UT			LOCATION							DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
	1969																		
	APR																		
22245	20	1316	1559	1433	N22	W17	.528	10035	19.3	163	*-N			1.13				3 1 1 7	
SANM	20	1316E	1559D		N22	W17	.528	10035	19.3	163D	-N	P	1316	1.13	1.35		EKT		
SACP	20	1342	1431	1350	N20	W19	.521	10035	19.1	49	-N	C		.84	.87				
LOCA	20	1545	1535D	1515	N20	W21	.539	10035	19.1	30D	-N	V	1515	1.46	1.70				
247 MCMA	20	1623	1633	1627	N21	W43	.762	10035	17.5	10	--F	C	1627	.52	.80		E	4	
GRP22248	20	1636	1654	1646	N22	W44	.776	10035	17.4	18	--F			.39			2 2 2 4		
SACP	20	1635	1655	1646	N22	W45	.785	10035	17.3	20	-F			.52	.67		D		
MCMA	20	1637	1653	1645	N22	W42	.758	10035	17.5	16	-N	C	1645	.26	.40				
GRP22249	20	1734	1751	1737	N21	W22	.559	10035	19.1	17	--B			.73			2 2 2 2		
SACP	20	1733	1755	1737	N20	W21	.539	10035	19.2	22	-N	C		.94	.99		DV		
MCMA	20	1735	1746	1736	N21	W23	.568	10035	19.0	11	-B	C	1736	.52	.60				
GRP22250	20	1807	1823	1813	N24	W03	.490	10035	20.5	16	--N			.79			2 2 2 2		
SACP	20	1806	1826	1812	N24	W03	.490	10035	20.5	20	-N	C		.93	.96				
MCMA	20	1807	1819	1813	N24	W02	.489	10035	20.6	12	-N	C	1813	.62	.70		EH		
GRP22251	20	1907	1930	1912	N05	W56	.837	10035	16.6	23	--N			.57			2 2 2 2		
SACP	20	1906	1933	1911	N04	W56	.836	10035	16.6	27	-N	C		.72	1.00				
MCMA	20	1907	1926	1912	N05	W55	.828	10035	16.7	19	-N	C	1912	.41	.80		E		
252 SACP	20	2128	2142	2134	S09	W78	.976	10030	15.0	14	-N	C		.41	1.01			2	
GRP22253	20	2215	2250	2219	N21	W24	.577	10035	19.1	35	-N			1.50			3 3 3 4		
SACP	20	2213	2305	2218	N20	W24	.567	10035	19.1	52	-N	C		1.86	1.98				
HOUT	20	2217	2235	2220	N22	W22	.569	10035	19.3	18	-N	C		1.00	1.20		E		
MANI	20	2225E	2250		N22	W25	.596	10035	19.1	25D	1N 2		2226	1.65	2.10				
257 SACP	20	2318	2349	2326	S13	W07	.181	10041	20.4	31	--N	C		.31	.31			3	
258 SACP	21	0025	0047	0032	N04	W60	.871	10035	16.5	22	--N	C		.31	.45			3	
259 SACP	21	0054	0105	0056	S19	W27	.496	10039	19.0	11	--N	C		.31	.32			3	
GRP22261	21	0345	0410	0351	N22	W28	.623	10035	19.1	25	-N			.86			3 3 3 6		
MANI	21	0345	0407	0352	N22	W28	.623	10035	19.1	22	-N	2	0352	.72	.90				
HALE	21	0345	0412	0349	N21	W27	.605	10035	19.1	27	-N	2	0349	.83	1.00				
MITK	21	0345	0346D		N22	W28	.623	10035	19.1	1D	-N	P	0346	1.03	1.30		E		
GRP22262	21	0358	0412	0401	N06	W59	.866	10035	16.7	14	-N			1.15			4 4 4 5		
CULG	21	0357	0413	0400	N06	W59	.866	10035	16.7	16	1N	2	0400	1.55	3.00		V		
HALE	21	0358	0410	0400	N04	W58	.854	10035	16.8	12	-B	2	0400	.93	1.80				
MANI	21	0359	0412	0403	N07	W60	.875	10035	16.7	13	-N	2	0403	.62	1.15				
CRON	21	0359	0411	0401	N07	W58	.858	10035	16.8	12	1N	C		1.50	2.90				
GRP22267	21	0808	0824	0812	N21	W28	.614	10035	19.2	16	-N			1.79			6 6 5 11		
ISTA	21	0750	0815		N22	W26	.605	10035	19.4	25	-N								
MANI	21	0805	0807D		N21	W30	.634	10035	19.1	2D	-F	2	0806	1.03	1.33				
CAPS	21	0806	0812		N15	W28	.563	10035	19.2	6	-B	2	0807	1.30	1.70		225		
CRIM	21	0809	0836		N21	W30	.634	10035	19.1	27	1N	V	0809	3.60	4.70		BEI		
CANR	21	0809E	0821	0810D	N22	W27	.614	10035	19.3	12D	-F	C		1.50	2.00		B		
CRON	21	0812	0822	0813U	N21	W28	.614	10035	19.2	10	-N	C		1.50	2.00		Z		
CAPS	21	0816E	0828D		N20	W22	.547	10035	19.7	12D	-N	2	0817	.70	.90		180		
GRP22268	21	0829	0851	0833	N22	W26	.605	10035	19.4	22	1N			2.49			7 7 6 10		
CRIM	21	0828	0836D	0831U	N21	W30	.634	10035	19.1	8D	1N	C	0831	3.60	4.70		EI		
CAPS	21	0829	0914D	0834	N20	W22	.547	10035	19.7	45D	-B	2	0832	1.50	1.90		EZ		
CRON	21	0830	0841	0833	N22	W27	.614	10035	19.3	11	-B			1.20	1.60		E		
ONDR	21	0831E	0846		N20	W30	.626	10035	19.1	15D	1N	V	0836			2.20	E		
ARCE	21	0831E	0849		N24	W22	.590	10035	19.7	18D	1F	C	0835	2.30	2.90		CDEJ		
CATA	21	0835E	0845D	0835	N22	W26	.605	10035	19.4	10D	1B		0835	3.01	3.83		EI		
CAPF	21	0835E	1025		N22	W26	.605	10035	19.4	110D	1N	P	0840	3.30	4.16		TZ		
GRP22269	21	0909	1023	0920	N23	W27	.623	10035	19.4	74	2N			4.33			9 8 6 9		
ABST	21	0805	1259	0921	N24	W26	.624	10035	19.4	294	3N	C	0938	10.81	13.80		74	FIJKLU	
MANI	21	0850E	0953D	0921	N25	W26	.634	10035	19.4	63D	2N	2	0921	4.13	5.30				
ARCE	21	0907	1052	0923	N25	W25	.625	10035	19.5	105	-B		0923	1.45	1.90		I		
ONDR	21	0910	0956	0918	N20	W30	.626	10035	19.1	46	2F	C	0918			2.40	CEFHJR		
CRON	21	0914	0950	0920	N24	W27	.633	10035	19.4	36	1B	C		3.10	4.00				
CANR	21	0915	1007	0919	N23	W27	.623	10035	19.4	52	1B	C		3.50	4.40				
CAPS	21	0917E	1024D		N20	W22	.547	10035	19.7	67D	1B	P	0918	3.00	3.90		511	FZ	
NERA	21	0925	1009		N21	W30	.634	10035	19.1	44	2N	2							
CATA	21	1030E	1035D	1030	N23	W27	.623	10035	19.4	5D	2N		1030	4.64	6.06		176	TZ	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS						
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MGMATH PLAGE REGION	CMP DAY				MIN.	UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %				
GRP22270	1969 APR 21	1140	1211	1149	S11	W13	.244	10041	20.5	31	-N												
ONDR	21	1135E	1208		S10	W15	.270	10041	20.4	30	1N	V	1152	1.05			1.90		5 5 4 5				
CANR	21	1145	1154	1148	S11	W15	.275	10041	20.4	9	-N	C		1.00	1.10				J E				
CAPS	21	1146E	1216D		S11	W09	.185	10041	20.8	30D	-B	2	V	1147	1.00	1.00				194			
ABST	21	1147E	1207	1150	S11	W14	.260	10041	20.4	20D	-N	C		.90	.90					D E			
MCMA	21	1154E	1229D		S11	W14	.260	10041	20.4	35D	-N	P	1154	1.29	1.30								
GRP22271	21	1215	1234	1219	N20	W30	.626	10035	19.3	19	1N			.94						5 5 3 7			
CAPS	21	1212	1232		N18	W30	.610	10035	19.3	20	-N	2	V	1215	.70	.80					176		
CANR	21	1218	1230	1219	N21	W30	.634	10035	19.3	12	-N	8	C		1.10	1.40							
ONDR	21	1221E	1235D		N20	W32	.646	10035	19.1	14D	2F	8	V	1224							2.10		
HURB	21	1225E	1240		N18	W27	.578	10035	19.5	15D	1F	8									1.50		
MCMA	21	1228E	1229D		N21	W30	.634	10035	19.3	1D	-N	8	P	1228	1.03	1.40							
GRP22272	21	1353	1414	1404	N24	W60	.908	10035	17.1	21	--F			.53							6 5 3 7		
SANM	21	1335E	1427		N25	W59	.904	10035	17.1	52D	-F	C	1358	.48								E	
ONDR	21	1341E	1410D		N24	W62	.920	10035	16.9	20D	-N	V	1357								2.00		
HURB	21	1356E	1410D		N20	W58	.885	10035	17.2	14D	1F										1.80		
SACP	21	1357U	1415U	1359U	N25	W59	.904	10035	17.2	18D	-F	C		.62	1.02								
CANR	21	1358	1405	1402	N25	W60	.910	10035	17.1	7	-N	C		.50	1.10								
CATA	21	1411E	1435	1411	N31	W60	.925	10035	17.1	24D	-B		1411	.52								219	
7 STATIONS REPORTING GROUP 22273.										7 STATIONS OBSERVING AND NOT REPORTING.													
GRP22273	21	1401	1420	1407	S10	W16	.285	10041	20.4	19	-N			1.48								5 5 4 7	
SANM	21	1357E	1610D		S10	W15	.270	10041	20.5	133D	-N	P	1406	1.29	1.35								
CANR	21	1359	1418	1404	S11	W15	.275	10041	20.5	19	-N	C		1.00	1.10								
BOUL	21	1403E	1420	1407	S10	W16	.285	10041	20.4	17D	-N	V											
SACP	21	1403	1422U	1405	S11	W16	.290	10041	20.4	19D	-N	C		1.56	1.53								
CATA	21	1411E	1515D	1411	S10	W16	.285	10041	20.4	64D	1B		1411	2.08	2.18							234	
22273	21	1403	1610	(1419)	S11	W11	.214	10041	20.8	127	#1F			2.00								3 2 1 9	
SANM	21	1357E	1610D		S10	W15	.270	10041	20.5	133D	-N		1457	1.94	2.00							1.80	
HURB	21	1403E	1535		S11	W12	.229	10041	20.7	92D	1N												
CAPS	21	1415E	1444D		S11	W09	.185	10041	20.9	29D	1F	2	V	1419	2.00	2.00						157	
GRP22274	21	1434	1513	1439	N20	W32	.646	10035	19.2	39	-N			1.29								3 3 1 10	
SANM	21	1403E	1610D		N21	W33	.664	10035	19.1	127D	-F	8		1439	1.29	1.75							
SANM	21	1403E	1610D		N21	W33	.664	10035	19.1	127D	-F	8	P	1406	.80	1.10							EK
BOUL	21	1434	1522D	1439	N21	W34	.674	10035	19.1	48D	-N	8	V										
HURB	21	1440E	1503		N19	W30	.618	10035	19.4	23D	1N	8										1.50	
GRP22275	21	1558	1608	1600	N20	W33	.656	10035	19.2	10	--F			1.32								3 3 3 7	
BOUL	21	1557	1603	1600	N21	W32	.654	10035	19.3	6	-F	8	C		1.10	1.30							
HOUT	21	1558	1607	1559	N20	W33	.656	10035	19.2	9	-F	8	C		1.10	1.50						E	
SACP	21	1558	1613	1601	N20	W33	.656	10035	19.2	15	-F	8	C		1.76	2.00							
GRP22277	21	1633	1658	1639	S11	W15	.275	10041	20.6	25	--N			.41								2 2 1 6	
SACP	21	1632U	1658U	1640U	S11	W16	.290	10041	20.5	26D	-N	C			.41	.41							
BOUL	21	1634	1645D	1638	S10	W14	.254	10041	20.6	11D	-N	V											
GRP22284	21	1903	1915	1906	N21	W35	.684	10035	19.2	12	-N			1.31								3 3 3 3	
SACP	21	1903E	1920U	1905U	N20	W35	.677	10035	19.2	17D	-N	C		1.34	1.55								
BOUL	21	1903	1913	1907	N22	W37	.710	10035	19.0	10	1N	C		1.50	2.10								
HOUT	21	1904	1911	1905	N20	W33	.656	10035	19.3	7	-F	C		1.10	1.50							E	
6 STATIONS REPORTING GROUP 22285.										6 STATIONS OBSERVING AND NOT REPORTING.													
GRP22285	21	2055	2109	2058	N22	W63	.923	10035	17.1	14	1N			1.13								4 4 4 5	
BOUL	21	2055	2104	2057	N24	W65	.937	10035	17.0	9	-N	C		.70	1.70							E	
HOUT	21	2055	2103	2058	N21	W61	.908	10035	17.3	8	-N	C		.70	1.50								
SACP	21	2056	2102	2058	N21	W63	.921	10035	17.1	6	-N	C		.52	.90								
CULG	21	2059E	2127		N23	W62	.918	10035	17.2	28D	2N	P	2059	2.58									
22285	21	2023	2058	2028	N25	W65	.939	10035	17.0	35	#-N			.82									
HALE	21	1959	2056D	2030	N26	W64	.936	10035	17.0	57D	1N	2	P	2030	1.03								
SACP	21	2016U	2107U	2021	N25	W65	.939	10035	17.0	51D	-N	C		1.03	1.93								
HALE	21	2024	2043	2030	N22	W64	.929	10035	17.0	19	-F	2	C	2030	.41								
BOUL	21	2025	2048	2031	N27	W64	.937	10035	17.1	23	-N	C		.70	1.70								
HOUT	21	2027	2100	2031	N23	W68	.951	10035	16.8	33	-N	C		.50	1.20								
22285	21	1959	2056	2004	N27	W65	.942	10035	17.0	57	#-N			.47									
MCMA	21	1958E	2052D		N28	W66	.949	10035	16.9	54D	-N	P	1958	.41	1.30								
HALE	21	1959	2056D	2004	N26	W64	.936	10035	17.0	57D	-N	2	C	2004	.52								
GRP22286	21	2005	2103	2011	N24	W32	.678	10035	19.4	58	3B			11.68								5 5 5 5	
MCMA	21	2003E	2109D		N24	W33	.687	10035	19.4	66D	3B	P	2011	10.31	14.20								
HALE	21	2004	2056D	2012	N22	W34	.681	10035	19.3	52D	3B	2	P	2012	12.38	16.80							
SACP	21	2004	2114U	2011U	N23	W33	.679	10035	19.4	70D	3B	C		15.89	18.25								
HOUT	21	2005	2100	2010	N27	W27	.661	10035	19.8	55	3B	C		9.30	12.60								
BOUL	21	2007	2055	2011	N24	W33	.687	10035	19.4	48	3B	C		10.50	14.70								

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha
1969 APR																	
GRP22287	21	2205	2214	2205	N20	W37	.697	10035	19.1	9	--F			.98			3 3 2 6
SACP	21	2204	2211U	2205	N20	W38	.707	10035	19.1	7D	-N	C		.93	1.09		
MANI	21	2205	2214D		N20	W37	.697	10035	19.1	9D	-F	1 C	2207	1.03	1.46		
BOUL	21	2205E	2213	2205	N21	W37	.704	10035	19.1	8D	-F	S					
GRP22288	21	2233	2247	2239	N24	W63	.926	10035	17.2	14	--F			.72			3 3 3 4
CULG	21	2226	2241D	2238	N23	W62	.918	10035	17.3	15D	1F	P	2238	.93			
MANI	21	2236	2248	2240	N23	W65	.936	10035	17.1	12	-F	1 C	2240	.72	1.54		
BOUL	21	2238	2245	2240	N25	W61	.917	10035	17.4	7	-N	C		.50	1.10		
GRP22290	22	0003	0028	0007	S16	W71	.942	10045	16.7	25	18			1.12			4 4 4 4
CULG	22	0000E	0045	0007	S17	W70	.936	10045	16.8	45D	1N	P	0007	1.03			
HALE	22	0004	0034	0008	S16	W68	.924	10045	16.9	30	1B	1 C	0008	1.13			
BOUL	22	0005	0010	0007	S15	W74	.958	10045	16.5	5	1B	C		1.20	3.10		
MANI	22	0006E	0022		S15	W70	.936	10045	16.8	16D	1N	2 C	0008	1.13	2.44		
293 HALE	22	0140	0153	0148	N23	W40	.744	10035	19.1	13	--N	2 C	0148	.15	.20		H 3
GRP22295	22	0152	0218	0157	S13	W03	.148	10044	21.9	26	--F			1.47			2 2 2 3
CULG	22	0151	0218	0156	S13	W03	.148	10044	21.9	27	1F	C	0156	2.27	2.20		
HALE	22	0152	0217	0158	S12	W03	.132	10044	21.9	25	-F	1 C	0158	.67	.70		
GRP22297	22	0228	0318	0235	N22	W22	.567	10035	20.5	50	--F			1.51			3 3 3 5
CULG	22	0225	0316	0234	N23	W20	.562	10035	20.6	51	1F	C	0234	2.48	2.60		HS
HALE	22	0230	0319	0235	N24	W23	.597	10035	20.4	49	-N	2 C	0235	1.34	1.70		H
MANI	22	0232E	0310D		N22	W22	.567	10035	20.5	38D	-F	2 C	0232	.72	.88		
HALE	22	0304	0327	0313	N21	W24	.575	10035	20.3	23	-N	2 C	0313	.21	.30		
298 HALE	22	0308	0317	0314	N22	W41	.748	10035	19.1	9	--N	2 C	0314	.21	.30		4
299 HALE	22	0309	0321	0311	S15	W67	.917	10045	17.1	12	--N	1 C	0311	.15			4
GRP22303	22	0640	0658	0645	N25	W38	.738	10035	19.4	18	-N			1.34			3 3 3 7
MANI	22	0638	0647D	0645	N25	W38	.738	10035	19.4	9D	-N	2 C	0645	1.44	2.21		
BUCA	22	0640	0655	0645	N25	W38	.738	10035	19.4	15	-N	C	0645	.77	1.10		D
CRIM	22	0643	0700D	0645U	N24	W39	.741	10035	19.4	17D	1N	C	0645	1.80	2.66		D
5 STATIONS REPORTING GROUP 22306. 2 STATIONS OBSERVING AND NOT REPORTING.																	
GRP22306	22	0927	0943	0930	S10	W30	.502	10041	20.1	16	-B			1.63			3 3 3 6
CRIM	22	0926E	0954D	0930U	S10	W30	.502	10041	20.1	28D	1B	C	0930	2.70	3.10		E
TACH	22	0928	0939D	0930	S10	W29	.487	10041	20.2	11D	-B	C	0930	1.19	1.40		84 E
CANR	22	0928	0937	0930	S11	W30	.504	10041	20.1	9	-N	C		1.00	1.20		
22306	22	0934	0951	(0945)	S10	W27	.457	10041	20.4	17	*-F			.72			2 2 1 7
CAPS	22	0934E	0951D		S08	W27	.454	10041	20.4	17D	-N	1 S					BF
MANI	22	0943E	0947D		S12	W27	.463	10041	20.4	4D	-F	2 C	0945	.72	.81		
GRP22307	22	1140	1153	1143	S10	W29	.487	10041	20.3	13	-N			1.00			2 2 1 3
CANR	22	1140	1153	1143	S11	W30	.504	10041	20.2	13	-N	C		1.00	1.20		
CAPS	22	1142E	1143D		S08	W27	.454	10041	20.5	1D	-N	1 S					
GRP22310	22	1353	1407	1357	S10	W32	.531	10041	20.2	14	--N			.84			3 3 2 5
SACP	22	1352	1407	1357	S10	W32	.531	10041	20.2	15	-N	C		1.03	1.08		
SANM	22	1354	1406		S09	W33	.544	10041	20.1	12	-N	C	1356	.65	.75		E
BOUL	22	1355E	1407		S10	W32	.531	10041	20.2	12D	-N	V					
GRP22312	22	1606	1633	1612	S09	W29	.485	10041	20.5	27	--N			.42			3 3 2 6
SACP	22	1605	1644	1615	S09	W29	.485	10041	20.5	39	-N	C		.52	.53		
SANM	22	1607	1618D		S08	W30	.499	10041	20.4	11D	-F	P	1610	.32	.40		D
BOUL	22	1609E	1621	1609	S10	W28	.472	10041	20.6	12D	-N	V					
GRP22313	22	1620	1635	1622	N23	W75	.979	10035	17.1	15	--F			.31			3 2 1 7
BOUL	22	1619	1626	1620	N21	W74	.974	10035	17.1	7	-F	V					
HALE	22	1620	1643	1624	N24	W76	.983	10035	17.0	23	-N	2 C	1624	.31			
SACP	22	1630	1707	1650	N22	W73	.971	10035	17.2	37	-N	C		.72	1.69		
317 BOUL	22	1821E	1830	1821	N14	E90	1.000	10057	29.5	9D	--F	S					3
GRP22318	22	1833	1858	1840	N23	W44	.780	10035	19.5	25	--F			.37			4 3 2 5
SACP	22	1831	1851	1840	N24	W45	.794	10035	19.4	20	-F	C		.41	.54		
SANM	22	1832	1902	1839	N22	W45	.784	10035	19.4	30	-F	C		.32	.55		D
BOUL	22	1835	1900D	1841	N22	W43	.766	10035	19.5	25D	-N	V					
HALE	22	1902E	1903D		N25	W44	.791	10035	19.5	1D	-N	2 P	1903	.52	.80		
319 SACP	22	2055	2111	2101	S11	W37	.603	10041	20.1	16	--N	C		.72	.79		2
320 SACP	22	2133	2144	2135	S11	W37	.603	10041	20.1	11	--N	C		.72	.79		2

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMPLAGE REGION	CMP DAY				TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
																			1969 APR
GRP22321	22	2202	2219	2209	S10	W36	.588	10041	20.2	17	--F		.60						2 2 2 4
SACP	22	2157	2222	2208	S10	W36	.588	10041	20.2	25	-N		1.04	1.12					
HALE	22	2207	2215	2209	S09	W36	.587	10041	20.2	8	-F	2	1.15	.20					
GRP22328	23	0058	0125	0103	N06	W83	.994	10035	16.8	27	-N		.49						4 4 4 5
CULG	23	0053	0134	0059	N08	W80	.987	10035	17.0	41	1F		.83						
SACP	23	0058	0106D	0100	N06	W87	.999	10035	16.5	8D	-N		.21						
MANI	23	0058	0117	0104	N05	W85	.997	10035	16.7	19	-F	2	.52	1.44					
HALE	23	0104	0123	0108	N06	W79	.984	10035	17.1	19	-B	1	.41						
GRP22332	23	0313	0432	0332	N22	W51	.836	10035	19.3	79	2N		3.49						6 6 6 6
CULG	23	0308	0454	0341	N22	W50	.828	10035	19.4	106	2N		3.92						
KODA	23	0310	0412	0330	N21	W50	.824	10035	19.4	62	2B		3.22	5.60	2.24				I
MANI	23	0311	0435	0335	N19	W54	.851	10035	19.1	84	2N	2	3.61	6.20					
MITK	23	0313	0448	0331	N22	W50	.828	10035	19.4	95	2N		3.61	6.30					F
SIBE	23	0315	0351D	0328	N22	W51	.836	10035	19.3	36D	2F		3.96	6.50					68
CRON	23	0323	0351	0329	N24	W52	.851	10035	19.2	28	1N		2.60	4.80					CE
GRP22333	23	0358	0424	0401	N07	W89	1.000	10035	16.5	26	-F		.54						2 2 2 6
CULG	23	0357	0435	0401	N08	W88	1.000	10035	16.6	38	1N		.62						V
MANI	23	0359	0412	0401	N05	W90	1.000	10035	16.4	13	-F	2	.46	1.51					
GRP22334	23	0455	0535	0501	S10	W41	.655	10041	20.1	40	--F		.75						2 2 2 5
MITK	23	0455	0539	0505	S10	W42	.668	10041	20.1	44	-N		.62	.80					D
MANI	23	0455E	0530	0456	S09	W40	.641	10041	20.2	35D	-F	2	.88	1.16					
GRP22336	23	0621	0645	0632	N24	W78	.988	10035	17.4	24	1F		.62						3 3 3 8
CULG	23	0621	0647	0632	N24	W77	.986	10035	17.5	26	1N		.72						
ABST	23	0630E	0642	0632	N25	W78	.988	10035	17.4	12D	1F		.72						60
MANI	23	0633E	0640D		N23	W79	.990	10035	17.3	7D	-F	2	.41	1.05					D
GRP22337	23	0658	0721	0704	N23	W38	.725	10035	20.4	23	--F		1.09						5 5 5 9
HTPR	23	0655	0720	0700	N23	W40	.743	10035	20.3	25	-F		.93	1.30					
CULG	23	0655	0722D	0702	N21	W35	.682	10035	20.7	27D	1N		1.55	2.20					
MANI	23	0657	0710D	0704	N23	W38	.725	10035	20.4	13D	-F	2	.72	1.04					
CAPE	23	0700	0720	0705	N24	W39	.740	10035	20.4	20	-F		.90	1.30					
ABST	23	0702	0722	0707	N23	W38	.725	10035	20.4	20	-F		1.35	2.00					59
GRP22341	23	1216	1242	1226	N21	W87	1.000	10035	17.0	26	-N		.37						3 3 3 4
CANR	23	1213	1232	1226U	N20	W90	1.000	10035	16.8	19	-N		.30	1.20					
MONT	23	1218	1229	1226	N22	W88	1.000	10035	16.9	11	-N		.21						
CAPP	23	1226E	1305		N21	W82	.995	10035	17.4	39D	1N		.59						
GRP22343	23	1349	1358	1352	N23	W60	.905	10035	19.1	9	--F		.83						2 2 2 7
SACP	23	1347	1359	1351	N23	W59	.899	10035	19.1	12	-F		.53	.84					
MONT	23	1350	1357	1352	N23	W60	.905	10035	19.1	7	-N		1.13						
GRP22345	23	1442	1504	1445	N06	W90	1.000	10035	16.9	22	-N		.68						5 5 4 6
CAPE	23	1440E	1509D		N07	W90	1.000	10035	16.9	29D	1N	2	1.00						
BOUL	23	1441	1505D	1444	N05	W90	1.000	10035	16.9	24D	-N		.62						
CAPE	23	1442	1447D		N06	W90	1.000	10035	16.9	5D	-F		.90						
SACP	23	1442	1456	1445	N05	W90	1.000	10035	16.9	14	-N		.62						
MONT	23	1443	1506	1445	N08	W90	1.000	10035	16.9	23	-N		.21						
4 STATIONS REPORTING GROUP 22352. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22352	23	1734	1830	1746	S35	W41	.746	10040	20.7	56	1N		3.62						2 2 2 4
HALE	23	1733E	1959D		S33	W38	.709	10040	20.9	146D	2B	1	4.13	5.90					FU
CANR	23	1735	1830	1746	S37	W44	.781	10040	20.4	55	1F		3.10	5.00					L
22352	23	1728	1855	1815	S37	W47	.804	10040	20.2	87	*2F		3.20						2 1 1 4
BOUL	23	1728	1855D	1815	S37	W47	.804	10040	20.2	87D	2F								
HOUT	23	1847E	1932D	1847U	S37	W45	.789	10040	20.4	45D	1N		3.20	5.10					EL
GRP22354	23	1840	1905	1848	S10	W46	.718	10041	20.3	25	--N		.39						3 3 2 4
HALE	23	1839	1904		S09	W46	.717	10041	20.3	25	-B	2	.36	.50					E
SACP	23	1841	1906	1844	S11	W49	.753	10041	20.1	25	-N		.41	.51					
BOUL	23	1841	1855D	1852	S10	W44	.693	10041	20.5	14D	-N								
GRP22355	23	1856	1907	1858	N25	W58	.897	10035	19.4	11	-N		.61						2 2 2 4
SACP	23	1856	1908	1858	N25	W60	.910	10035	19.3	12	-N		.52	.86					
HOUT	23	1856	1905	1857	N24	W55	.873	10035	19.7	9	-N		.70	1.50					
356 SACP	23	2033	2040	2035	N10	E82	.993	10057	30.0	7	--F		.31						2
GRP22357	23	2038	2113	2041	S10	W50	.764	10041	20.1	35	--N		.68						2 2 2 3
SACP	23	2037	2113	2042	S11	W51	.775	10041	20.0	36	-N		.63	.79					
HALE	23	2038	2053D	2040	S09	W48	.741	10041	20.3	15D	-N	1	.72	1.10					K

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OBSERVATORY	OBSERVED UT			LOCATION				DURATION MIN.	IMPOR. TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE 1969 APR	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE				MCMATH PLAGE REGION	CMP DAY	TIME UT	MEAS. AREA Sq. Deg.		CORR. AREA Sq. Deg.	MAX. WIDTH Ha
GRP22359 SACP HALE MANI	23	2315	2338	2320	N11	E64	.911	10057	28.8	23	-N						3 3 3 4
	23	2315	2347	2320	N11	E63	.904	10057	28.7	32	-N	C	2318	.63	1.03		
	23	2315	2328	2318	N11	E63	.904	10057	28.7	13	-B	1 C		.72			
	23	2318E	2325D	2321	N10	E65	.917	10057	28.8	7D	-N	2 C	2321	.83	1.43		
GRP22360 CULG HALE MANI SACP MITK	23	2317	2352	2324	N25	W61	.916	10035	19.4	35	-N						5 4 4 5
	23	2314	2355	2324	N23	W59	.899	10035	19.5	41	1N	8 P	2324	1.13			
	23	2318	2348	2323	N25	W61	.916	10035	19.4	30	1B	1 C	2323	1.55			K
	23	2318E	2325D		N25	W61	.916	10035	19.4	7D	-F	2 C	2321	1.03	1.91		
	23	2318	2352	2325U	N25	W61	.916	10035	19.4	34	-N	8 C		.53	.90		
23	2338E	2350		N25	W65	.939	10035	19.1	12D	1F	8 P	2338	.83				
GRP22361 MITK SACP MANI HALE	24	0003	0026	0010	S11	W53	.796	10041	20.0	23	-N						4 4 4 7
	24	0000	0027D	0008	S10	W55	.816	10041	19.9	27D	-N	C	0008	.72	1.20		E
	24	0000	0025	0008	S11	W53	.796	10041	20.0	25	-N	C		.73	.96		
	24	0005	0028	0015	S10	W53	.796	10041	20.0	23	-N	2 C	0015	.72	1.17		
24	0006	0023	0010	S11	W52	.786	10041	20.1	17	-N	2 C	0010	.31	.50			
GRP22362 CRON HALE	24	0141	0153	0143	N11	E62	.897	10057	28.7	12	-N						2 2 2 6
	24	0140	0153	0142	N11	E62	.897	10057	28.7	13	-N	C		.60	1.30		
24	0142	0153	0143	N11	E62	.897	10057	28.7	11	-N	2 C	0143	.52	1.20			
GRP22363 KODA CULG MITK SIBE CRON TACH HALE MANI	24	0308	0432	0316	N23	W64	.929	10035	19.3	84	2N						8 8 8 8
	24	0304	0457	0314	N22	W63	.922	10035	19.4	113	2B	C	0316	2.58	7.90	3.68	IJK
	24	0305	0345D	0317	N24	W63	.925	10035	19.4	40D	2N	P	0317	4.33			S
	24	0308	0408D	0315	N25	W65	.938	10035	19.3	60D	2N	C	0315	3.92			F
	24	0309	0400D	0316	N24	W63	.925	10035	19.4	51D	2N	C	0316	4.62	10.70		164 CET
	24	0309	0346	0316	N27	W60	.914	10035	19.6	37	2N	C		2.60	5.90		EH
	24	0310	0549	0314	N20	W70	.957	10035	18.9	159	3F	V	0318	5.10		4+20	96 EW
	24	0313	0431D	0320	N23	W64	.929	10035	19.3	78D	2B	1 P	0320	3.40			
	24	0314E	0508D		N22	W65	.933	10035	19.3	114D	2B	1 C	0320	3.09	6.60		
GRP22365 MITK HTPR	24	0539	0620	0542	N23	W58	.892	10035	19.9	41	1F						2 2 2 6
	24	0539E	0556D	0542	N26	W61	.918	10035	19.7	17D	2F	8 C	0542	2.58			F
	24	0540E	0620D		N20	W55	.861	10035	20.1	40D	1F	8 C	0541	1.86			
GRP22369 ABST CATA MONT CAPE HTPR ARCE	24	0954	1010	0958	N25	W70	.962	10035	19.2	16	-B						6 6 6 9
	24	0914	1203	1001	N24	W70	.961	10035	19.1	169	1B	C	1001	1.08			73 DHKY
	24	0940E	1035D	0955	N25	W70	.962	10035	19.2	55D	1B	C	0955	.93			221
	24	0951	1010	0959	N25	W70	.962	10035	19.2	19	-N	C	0959	2.06			
	24	0956	1004	0959	N25	W70	.962	10035	19.2	8	-N	C	0959	.95			V
	24	0957E	1000	0958	N25	W70	.962	10035	19.2	3D	-N	C	0958	.67			
24	0957E	1001D		N26	W70	.963	10035	19.2	4D	-B	C	0958	.66	1.70		H	
GRP22372 CAPE CATA HTPR MCMA CAPS CANR CAPF	24	1211	1229	1215	N07	E72	.955	10057	29.9	18	-N						7 6 6 9
	24	1210	1225	1215	N08	E75	.970	10057	30.1	15	-F	C	1215	.87			
	24	1210E	1230	1215	N07	E73	.960	10057	30.0	20D	-N		1215	.63			184
	24	1210	1227	1216	N07	E72	.955	10057	29.9	17	-N	C	1216	1.55			
	24	1211	1230	1216	N08	E70	.945	10057	29.8	19	-N	C	1216	.52	1.70		E
	24	1213	1238D		N05	E70	.943	10057	29.8	25D	-F	2 V	1217	1.00			150 F
	24	1213	1222	1215	N07	E73	.960	10057	30.0	9	-N	C		.60	1.30		E
	24	1230E	1238D		N07	E68	.933	10057	29.6	8D	-N	P	1233	.62			L
GRP22373 SACP MCMA CATA CAPS	24	1246	1300	1247	N07	E71	.950	10057	29.9	14	-N						4 4 4 9
	24	1244E	1256	1247	N09	E73	.962	10057	30.0	12D	-N	C		.74	1.61		
	24	1245	1301	1247	N08	E70	.945	10057	29.8	16	-N	C	1247	.41	1.30		E
	24	1245	1255D	1245	N06	E72	.955	10057	29.9	10D	-N	2 V	1245	.58			182 F
24	1249	1302D		N05	E70	.943	10057	29.8	13D	-F	C	1251	1.00			157	
GRP22379 SACP BOUL MCMA	24	1516	1531	1523	N08	E69	.940	10057	29.8	15	-F						3 3 2 9
	24	1513	1529	1524	N08	E69	.940	10057	29.8	16	-F	C		.41	.77		
	24	1515E	1534	1522	N08	E69	.940	10057	29.8	19D	-F	V					
	24	1520	1530	1523	N08	E70	.945	10057	29.9	10	-N	C	1523	.41	1.30		E
GRP22386 SACP MCMA BOUL	24	1852	1906	1858	N09	E71	.952	10057	30.1	14	-F						3 3 2 6
	24	1850	1906	1859	N09	E68	.935	10057	29.9	16	-F	C		.62	1.15		
	24	1852	1905	1858	N10	E72	.957	10057	30.2	13	-F	C	1858	.31	1.00		D
	24	1854	1900D	1856	N09	E72	.957	10057	30.2	6D	-F	V					
GRP22387 SACP HALE MCMA BOUL	24	1902	1913	1905	N25	W75	.980	10035	19.2	11	-N						4 4 4 6
	24	1901	1911	1904	N24	W73	.935	10035	19.3	10	-N	C		.41	.98		
	24	1902	1916	1905	N25	W73	.974	10035	19.3	14	-N	3 C	1905	.31			
	24	1902	1911	1904	N25	W74	.977	10035	19.2	9	-N	C	1904	.21	.70		D
	24	1902	1913	1905	N26	W78	.989	10035	18.9	11	-N	C		.60	1.80		
GRP22389 SACP MCMA BOUL	24	2019	2035	2025	N09	E68	.935	10057	29.9	16	-N						3 3 2 5
	24	2017	2035	2025	N09	E68	.935	10057	29.9	18	-N	C		.52	.95		
	24	2020	2035	2026	N08	E68	.934	10057	29.9	15	-N	C	2026	.31	.90		D
	24	2020	2032D	2025	N09	E68	.935	10057	29.9	12D	-F	V					

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS			
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %		
					LAT.	MER. DIST.														
GRP22390	1969 APR 24	2035	2041	2037	N18	W78	.985	10035	19.0	6	--F									
HALE	24	2034	2043	2037	N18	W79	.988	10035	18.9	9	-F	2	C	2037	.41					3 3 2 5
SACP	24	2035	2039	2036	N18	W75	.976	10035	19.2	4	-N				.21	.49				
MCMA	24	2036	2042	2037	N18	W80	.990	10035	18.9	6	-F		C	2037						E
GRP22391	24	2144	2207	2149	S11	W64	.896	10041	20.1	23	-N				.43					4 4 3 7
SACP	24	2139	2209	2143	S12	W65	.903	10041	20.0	30	-N		C		.62	1.01				
MCMA	24	2140	2202D	2141	S12	W66	.910	10041	20.0	22D	-N		C	2141	.41	1.00				E
MANI	24	2149E	2201		S10	W62	.880	10041	20.3	12D	-F	2		2151	.26	.48				
BOUL	24	2149	2217	2149	S11	W63	.888	10041	20.2	28	-N		V							
GRP22395	25	0112	0119	0114	N08	E64	.907	10057	29.9	7	--N				.39					2 2 2 4
HALE	25	0110	0119	0113	N08	E64	.907	10057	29.8	9	-N	2	C	0113	.36					
SACP	25	0114	0119	0115	N08	E63	.900	10057	29.8	5	-N		C		.42	.70				
GRP22398	25	0634	0645	0636	S08	W69	.931	10041	20.1	11	--F				.67					2 2 2 8
HTRP	25	0633	0645	0635	S08	W71	.943	10041	19.9	12	-F		C	0635	.52					
CAPE	25	0634	0645	0636	S08	W67	.918	10041	20.2	11	-N		C	0636	.81	1.90				
GRP22408	25	2007	2030	2020	S10	W75	.963	10041	20.2	23	--F									2 2 0 5
BOUL	25	2006E	2030	2020	S10	W75	.963	10041	20.2	24D	-F		V							
MCMA	25	2007	2030	2020	S10	W75	.963	10041	20.2	23	-N		C	2018						DJK
GRP22409	25	2030	2036	2032	N09	E53	.815	10057	29.8	6	--F				.52					2 2 1 5
MCMA	25	2030	2036	2032	N08	E54	.823	10057	29.9	6	-F		C	2032	.52	.90				E
BOUL	25	2030	2035	2031	N10	E52	.808	10057	29.8	5	-F		V							
GRP22410	25	2042	2103	2046	N09	E53	.815	10057	29.8	21	-N				.92					4 4 4 6
BOUL	25	2041	2050	2045	N08	E54	.823	10057	29.9	9	IN		C		1.40	2.40				
MCMA	25	2042	2110	2045	N08	E54	.823	10057	29.9	28	-N		C	2045	.83	1.40				E
SACP	25	2042	2103	2045	N09	E53	.815	10057	29.8	21	-N		C		1.04	1.40				
HALE	25	2044	2109	2047	N09	E52	.805	10057	29.8	25	-N	2	C	2047	.41	.70				
4 STATIONS REPORTING GROUP 22412. 2 STATIONS OBSERVING AND NOT REPORTING.																				
GRP22412	25	2108	2133	2111	N11	E59	.873	10057	30.3	25	-N				.83					4 4 3 6
MCMA	25	2107	2135	2112	N12	E60	.883	10057	30.4	28	-N	8	C	2112	.52	1.10				EH
BOUL	25	2107	2130	2110	N12	E59	.875	10057	30.3	23	-B	8	V							
HALE	25	2109	2130	2110	N10	E58	.863	10057	30.2	21	-N	2	C	2110	.52	1.00				
SACP	25	2109	2136	2110	N11	E59	.873	10057	30.3	27	IN	8	C		1.45	2.20				
22412	25	2121	2156	2126	N09	E53	.815	10057	29.9	35	--N				.36					4 4 3 6
BOUL	25	2118	2153	2126	N09	E52	.805	10057	29.8	35	-N	8	V							
HALE	25	2121	2157	2126	N09	E52	.805	10057	29.8	36	-N	2	C	2126	.21	.30				
SACP	25	2122	2200	2124	N09	E53	.815	10057	29.9	38	-N	8	C		.52	.70				
MCMA	25	2122	2152	2127	N08	E54	.823	10057	29.9	30	-N	8	C	2127	.36	.60				EL
GRP22415	25	2229	2242	2235	N25	W89	1.000	10035	19.3	13	--F				.27					3 3 3 7
MANI	25	2227	2240	2233	N25	W90	1.001	10035	19.2	13	-F	1		2233	.31	1.03				
BOUL	25	2229	2242	2234	N28	W90	1.001	10035	19.2	13	-F		C		.30	1.20				
SACP	25	2230	2245	2238	N21	W88	1.000	10035	19.3	15	-F		C		.21					
GRP22416	25	2346	0007	2353	S10	W79	.979	10041	20.1	21	--F				.51					3 3 3 5
CULG	25	2339E	0015	2352	S08	W78	.976	10041	20.1	36D	IF		P	2352	.62					H
CRON	25	2347	0000	2353	S11	W80	.983	10041	20.0	13	-N		C		.40	1.30				
MANI	25	2351	0007	2355	S10	W80	.983	10041	20.0	16	-F	2		2355	.52	1.33				
GRP22419	26	0208	0233	0214	N23	W89	1.000	10035	19.4	25	IN				.78					2 2 2 5
MANI	26	0205	0235	0211	N21	W90	1.000	10035	19.3	30	IN	2		0211	.83	2.68				
HALE	26	0210	0231	0216	N24	W88	1.000	10035	19.5	21	IN	2	C	0216	.72					
GRP22420	26	0248	0306	0254	N12	E56	.849	10057	30.3	18	--F				.67					2 2 2 5
HALE	26	0248	0307	0254	N11	E56	.847	10057	30.3	19	-N	1	C	0254	.62	1.20				F
MANI	26	0248	0305	0254	N12	E55	.840	10057	30.2	17	-F	2		0254	.72	1.25				
GRP22427	26	1111	1144	1120	N11	E28	.529	10057	28.6	33	-N				1.12					4 4 4 9
CATA	26	1105	1210	1115	N11	E28	.529	10057	28.6	65	-N			1115	1.04	1.26				199
CAPS	26	1114E	1126		N11	E27	.517	10057	28.5	12D	-F	3	V	1115	.60	.80				142
CANR	26	1115	1135	1122	N11	E28	.529	10057	28.6	20	-N		C		1.50	1.80				
ZURI	26	1117E	1145	1123	N11	E27	.517	10057	28.5	28D	-N		P	1123	1.32	1.50				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.												
1969 APR																		
GRP22429	26	1503	1537	1510	N07	E43	.701	10057	29.9	34	-N						9 8 8 10	
CATA	26	1500	1545D	1510	N04	E44	.705	10057	29.9	45D	-B	1510	1.22	1.72		263	Z	
SACP	26	1501	1534	1510	N08	E43	.704	10057	29.9	33	-N	C						
MCMA	26	1501	1600	1510	N07	E43	.701	10057	29.9	59	-B	C	1510	1.03	1.40		E	
MONT	26	1501	1521	1511	N09	E45	.730	10057	30.0	20	-N	C	1511	1.03				
BOUL	26	1504	1521	1510	N07	E43	.701	10057	29.9	17	-N	C		1.20	1.70			
CAPS	26	1505	1535	1510	N06	E43	.698	10057	29.9	30	-B	3 P	1506	1.00	1.50		201	
CAPE	26	1506	1513D	1510	N08	E43	.704	10057	29.9	7D	-N	P	1510	.86	1.20			
WEND	26	1512E	1535		N07	E43	.701	10057	29.9	23D	1N	V		3.09				
HURB	26	1529E	1543		N10	E30	.549	10057	28.9	14D	-B					1.60	D	
HURB	26	1553E	1602D		N08	E46	.738	10057	30.1	9D	-F					1.30	D	
GRP22431	26	1605	1720	1617	N12	E23	.474	10057	28.4	75	-N			.83			3 3 1 7	
BOUL	26	1605	1622D	1620	N12	E24	.486	10057	28.5	17D	-N	V						
MCMA	26	1610E	1720	1614	N12	E25	.499	10057	28.5	7D	-N	C	1614	.83	.90		EK	
HURB	26	1611E	1640D		N11	E19	.416	10057	28.1	29D	1F					1.50		
GRP22432	26	1655	1706	1657	S07	E47	.729	10058	30.2	11	-N			.83			3 3 2 4	
MCMA	26	1654	1708	1657	S06	E47	.729	10058	30.2	14	-N	C	1657	.52	.70		E	
SACP	26	1654	1705	1657	S07	E47	.729	10058	30.2	11	-N	C		1.14	1.38			
BOUL	26	1656	1705	1657	S07	E47	.729	10058	30.2	9	-N	V						
434 SACP	26	1732	1743	1736	N15	E79	.987	10064	2.7	11	--F	C		.42			2	
436 SACP	26	1930	1940	1934	S07	E45	.705	10058	30.2	10	--F	C		.31	.37		2	
GRP22437	26	2207	2215	2209	S06	E44	.692	10058	30.2	8	--N			.73			3 3 3 4	
SACP	26	2206	2215	2208	S07	E44	.692	10058	30.2	9	-N	C		.42	.49			
VORO	26	2207	2214	2209	S06	E45	.705	10058	30.3	7	-B	C	2209	.74	.99		85 D	
MANI	26	2208E	2215		S06	E44	.692	10058	30.2	7D	-F	1	2208	1.03	1.43			
GRP22439	26	2258	2357	2305	N08	E38	.642	10057	29.8	59	2N			7.92			5 4 4 5	
CULG	26	2255	0110	2306	N08	E39	.655	10057	29.9	135	2B	C	2306	5.16	6.50		HFLZ	
MANI	26	2258	0015	2306	N07	E40	.664	10057	30.0	77	2B	2	2306	5.16	7.00			
SACP	26	2300	2351D	2305	N07	E38	.639	10057	29.8	51D	2N	C		9.54	10.59			
VORO	26	2300	2346	2304	N08	E36	.617	10057	29.7	46	3F	C	2304	11.83	14.90		166 EUL	
CRON	27	0015E	0130	0015E	N07	E32	.559	10057	29.4	75D	1N	C		3.00	3.60		B	
GRP22445	27	1139	1228	1144	N05	E51	.786	10061	1.3	49	-N			.85			4 4 3 8	
CAPE	27	1137	1215	1145	N04	E51	.784	10061	1.3	38	-F	C	1145	.90	1.40			
CATA	27	1140	1225D	1145	N03	E51	.783	10061	1.3	45D	-B		1145	1.16	1.93		234	
CAPS	27	1140	1232D	1142	N04	E54	.815	10061	1.5	52D	-B	3 P	1142	.50	.70		265	
HURB	27	1142E	1240		N07	E48	.758	10061	1.1	58D	1N					1.60	G	
GRP22447	27	1239	1247	1242	N10	E38	.650	10057	30.4	8	--F			.52			2 2 2 7	
SACP	27	1239E	1245	1242	N11	E39	.667	10057	30.5	6D	-F	C		.64	.73			
CAPS	27	1242E	1248D		N09	E37	.633	10057	30.3	6D	-N	3 V	1243	.40	.50		174 C	
GRP22448	27	1449	1525	1502	S15	W90	1.000	10041	20.9	36	-N			1.01			3 3 3 7	
CAPS	27	1446	1525D		S13	W90	1.000	10041	20.9	39D	1N	3 P	1454	1.30			176	
SACP	27	1448	1525	1500	S16	W91	1.000	10041	20.8	37	-N	C		.83				
CAPE	27	1452	1510D	1504	S15	W90	1.000	10041	20.9	18D	-F	P	1504	.90				
GRP22449	27	1605	1617	1609	N06	E50	.778	10061	1.4	12	-N			.97			4 4 4 4	
SACP	27	1604	1624	1609	N06	E49	.767	10061	1.3	20	-N	C		1.25	1.56			
CAPS	27	1605	1612D		N04	E54	.815	10061	1.7	7D	-N	2 S	1606	1.00	1.40		187	
CANR	27	1605	1611	1608	N05	E48	.753	10061	1.3	6	-N	C		1.10	1.70			
MCMA	27	1610E	1620		N08	E48	.760	10061	1.3	16D	-N	C	1610	.52	.80		E	
451 MCMA	27	1726	1740	1730	N09	W32	.569	10055	25.3	14	--F	C	1730	.31	.40		D 4	
452 SACP	27	1957	2011	1959	S19	W29	.526	10049	25.7	14	--F	C		.52	.54		3	
453 SACP	27	2130	2148	2133	N09	E26	.489	10057	29.8	18	--N	C		.53	.54		2	
GRP22461	28	1443	1506	1448	N11	W01	.267	10057	28.5	23	--F			1.04			2 2 2 6	
MEUD	28	1443	1500	1448	N11	W01	.267	10057	28.5	17	-F	C	1448	1.03	1.00		E	
SACP	28	1443	1512	1448	N10	W01	.251	10057	28.5	29	-N	C		1.04	1.02			
462 HALE	28	1737	1743	1739	N11	E15	.367	10057	29.9	6	--F	2 C	1739	.31	.30		4	
463 SACP	28	1946	1959	1952	N10	E17	.379	10057	30.1	13	--F	C		.63	.63		2	
GRP22466	28	2237	2303	2241	N11	W48	.768	10055	25.3	26	--F			1.04			2 2 2 3	
MANI	28	2236	2312	2240	N11	W48	.768	10055	25.3	36	-F	2	2240	1.24	1.93			
SACP	28	2237	2254	2241	N10	W47	.755	10055	25.4	17	-N	C		.84	1.03			

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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 Hg	MAX. INT. %	
					LAT.	MER. DIST.												
GRP22468 CULG HALE	29	0219	0251	0231	N09	W48	.763	10055	25.5	32	1F							2 2 2 4
	29	0215	0258	0232	N10	W48	.765	10055	25.5	43	1F	C	0232	1.75	2.72			
	29	0223	0244	0230	N08	W48	.760	10055	25.5	21	1F	2 C	0230	1.44	2.20			
GRP22471 ARCE CAPP ONDR	29	0908	0945	(0911)	N11	E88	1.000	10065	6.0	37	1N							3 2 2 9 H H A
	29	0908E	0945D		N09	E90	1.000	10065	6.1	37D	1N	P	0908	.89	3.40			
	29	0912E	0930D		N12	E85	.998	10065	5.8	18D	1N	P	0914	1.18				
	29	0939E	0957		N11	E90	1.000	10065	6.2	18D	1N	V	0940			2.60		
GRP22472 ONDR MEUD NERA UCCL HURB	29	1043	1114	1051	N09	E07	.260	10057	30.0	31	1N							5 5 2 6 E
	29	1041E	1103D	1048	N10	E05	.263	10057	29.8	22D	1N	V	1048	2.84		2.50		
	29	1043	1110	1053	N10	E05	.263	10057	29.8	27	-N	C	1053	1.55	1.60			
	29	1045	1056		N09	E06	.253	10057	29.9	11	1N							
	29	1047E	1124D	1053	N08	E10	.274	10057	30.2	37D	1B	2 P	1053	4.13	4.40			
	29	1047E	1135		N07	E07	.231	10057	30.0	48D	1B					3.00		
22472 CANR MEUD	29	1106	1129	1114	N10	E05	.263	10057	29.8	23	-B	C		1.88				2 2 2 4
	29	1100E	1128	1113U	N10	E05	.263	10057	29.8	28D	-N	C		1.80	1.90			
	29	1111	1130	1114	N10	E04	.258	10057	29.8	19	-B	C	1114	1.96	2.00			
GRP22473 SACP MEUD	29	1327	1351	1337	N10	E04	.258	10057	29.9	24	-N			1.01				2 2 2 3 E
	29	1325	1356	1340	N10	E04	.258	10057	29.9	31	-N	C		1.04	1.02			
	29	1328	1345	1333	N10	E04	.258	10057	29.9	17	-N	C	1333	.98	1.00			
GRP22474 SACP MEUD	29	1331	1402	1342	N08	W57	.850	10055	25.3	31	--F	C		.52				2 2 2 2 D
	29	1330	1414	1343	N08	W58	.859	10055	25.2	44	-F	C		.52	.76			
	29	1332	1350	1341	N08	W56	.841	10055	25.4	18	-N	C	1341	.52	1.00			
475 CANR	29	1449E	1510	1452U	N04	E13	.267	10057	30.6	21D	--F	C		1.50	1.60			3
GRP22476 SACP HALE	29	1634	1700	1641	N09	W59	.869	10055	25.3	26	--F			.26				2 2 2 4
	29	1628	1700	1640	N08	W60	.876	10055	25.2	32	-F	C		.21	.31			
	29	1639	1657D	1641	N09	W57	.851	10055	25.4	18D	-N	2 P	1641	.31	.60			
GRP22477 MCMA SACP	29	1706	1725	1713	N11	E89	1.000	10065	6.4	19	--F			.93				2 2 1 3 A
	29	1706E	1725D		N10	E88	1.000	10065	6.3	19D	-F	C	1718					
	29	1706	1725	1713	N12	E89	1.000	10065	6.4	19	-N	C		.93				
GRP22478 SACP CANR	29	1800	1817	1806	N07	W55	.830	10055	25.6	17	-F			1.32				2 2 2 4
	29	1800	1822	1806	N07	W54	.820	10055	25.7	22	-N	C		1.13	1.55			
	29	1805E	1812	1806U	N07	W55	.830	10055	25.6	7D	1F	C		1.50	2.60			
480 SACP	29	2029	2105	2039	N10	W19	.403	10057	28.4	36	-N	C		1.04	1.04			3
GRP22482 MANI CRON KODA CAPS	30	0634	0638	0635	N08	W02	.216	10057	30.1	4	--F			1.01				4 4 4 6 E EL
	30	0633	0636D		N07	W02	.199	10057	30.1	3D	-F	2 C	0635	1.03	1.06			
	30	0633	0640U	0635	N08	W03	.219	10057	30.0	7D	-N	C		.90	1.00			
	30	0635	0637	0635	N08	W02	.216	10057	30.1	2	-N	P	0636	1.29	1.30	1.52		
	30	0636E	0637D		N07	W01	.197	10057	30.2	1D	-F	2 S	0636	.80	.80			
483 ARCE	30	0735	0757	0743	N10	W07	.274	10057	29.8	22	--F	C	0743	.63	.60			5
GRP22484 CATA MCMA SACP ONDR CANR SANM	30	1429	1520	1434	N14	W26	.524	10057	28.7	51	1N			2.83				6 6 5 6 FIL FH E BI
	30	1425E	1440D	1430	N16	W25	.530	10057	28.7	15D	-B			1.44	1.73	295		
	30	1429	1530		N13	W27	.529	10057	28.6	61	1N	C	1435	2.06	2.40			
	30	1429	1520	1434	N13	W26	.516	10057	28.7	51	1N	C		4.48	4.67			
	30	1430E	1524		N15	W29	.568	10057	28.4	54D	2F	C	1434			2.10		
	30	1430	1500	1437U	N13	W26	.516	10057	28.7	30	1N	V		2.60	3.10			
	30	1435E	1526		N13	W25	.504	10057	28.7	51D	1B	P	1437	3.56	4.20			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1969																		
	APR																		
GRP21832	01	0028	0048	0034	N08	E23	.457	10014	2.7	20	-N								
MANI	01	0028	0048	0034	N06	E25	.468	10014	2.9	20	-F	2	0034	1.14	.52	.57	1 1 1 4		
MANI	01	0033	0037	0034	N11	E22	.470	10014	2.7	4	-N	1	0034	.62	.68				
833	MANI	01	0217	0225	0218	N06	E23	.441	10014	2.8	8	-N	2	0218	.72	.79	4		
834	MANI	01	0439	0442		N06	E25	.468	10014	3.1	3	-F	1	0439	.62	.68	4		
835	CATA	01	0645	0700	0645	N11	E09	.337	10014	2.0	15	-N		0645	1.73	1.85	182 5		
GRP21836	01	0725	0746	0730	N08	E18	.392	10014	2.7	21	-F			.85			2 2 2 7		
BUCA	01	0725	0746	0730	N08	E15	.356	10014	2.4	21	-F		0730	.66	.70				
MANI	01	0728E	0732D		N07	E20	.409	10014	2.8	4D	-N	1	0728	1.03	1.13				
847	SACP	01	2317	2338	2323	N05	E09	.253	10014	2.6	21	-N			.52	.51	5		
849	MANI	02	0053	0110	0100	N10	E15	.379	10014	3.2	17	-F	2	0100	.52	.56	4		
852	MANI	02	0419	0450	0425	N15	E24	.531	10014	4.0	31	-N	1	0425	.41	.49	5		
GRP21853	02	0542	0743		N18	E23	.550	10014	4.0	121	-N			1.19			2 2 2 5		
CULG	02	0542	0716	0610	N19	E22	.551	10014	3.9	94	1N		0610	1.75	2.21				
CATA	02	0705E	0740	0715	N09	E11	.325	10014	3.1	35D	-N		0715	.40	.43	174			
CATA	02	0735	0810	0740	N23	E35	.709	10014	4.9	35	-N		0740	.63	.94	182			
854	MANI	02	0604	0609		N05	E10	.263	10014	3.0	5	-N	1	0605	.52	.55	5		
855	CAPS	02	0844	0856		S10	W48	.738	10016	29.8	12	-F	2	V 0845	.80	1.20	158 10		
856	CAPS	02	1028	1043		N05	E02	.202	10014	2.6	15	-N	2	V 1030	1.50	1.50	170 4		
858	BOUL	02	1425E	1435	1427	S18	W78	.973	10009	27.8	10D	-N		V			4		
860	BOUL	02	1656	1710	1657	N08	W01	.251	10014	2.6	14	-F		V			4		
863	BOUL	02	1928	1935	1929	N20	E20	.545	10014	4.3	7	-F		V			3		
864	BOUL	02	1942	1946	1943	N08	W05	.264	10014	2.4	4	-N		V			3		
867	MANI	03	0100E	0115	0101	S07	W63	.887	10016	29.3	15D	-F	2	0101	.52	.99	3		
869	MANI	03	0235E	0250	0238	S12	E90	1.000	10023	9.9	15D	-F	2	0238	.52	1.68	4		
870	MANI	03	0239	0252	0241	N16	W05	.390	10014	2.7	13	-F	2	0241	.41	.45	4		
871	CULG	03	0332	0440	0347	S08	W63	.887	10016	29.4	68	1F		C 0347	1.03	2.25	5		
872	CATA	03	0750E	0755	0750	N17	E07	.414	10014	3.9	5D	-N		0750	.29	.32	162 11		
873	MANI	03	0814	0819	0815	N09	W08	.299	10014	2.7	5	-F	1	0815	.41	.44	9		
875	MANI	03	0833	0840	0835	N10	E60	.883	10022	7.9	7	-F	1	0835	.31	.50	10		
879	MEUD	03	1052	1055		N20	E19	.536	10014	4.9	3	-F		C 1053	.62	.70	E 8		
883	BOUL	03	1752E	1800	1753	N17	W13	.450	10014	2.8	8D	-N		V			4		
886	SACP	03	2305	2315	2307	N22	W46	.801	10011	31.5	10	-N		C	.21	.27	4		
889	MANI	03	2355	0004	2357	N20	E04	.450	10014	4.3	9	-F	2	2357	.52	.58	4		
890	MANI	04	0337	0412	0341	N09	W18	.401	10014	2.8	35	-B	2	0341	1.75	1.92	5		
891	CULG	04	0447	0557	0514	S09	W80	.982	10016	29.2	70	1F		P 0514	.62		J 6		
892	MANI	04	0605	0619	0607	N09	W18	.401	10014	2.9	14	-N	2	0607	.93	1.00	6		
893	MANI	04	0619	0641	0626	S07	W81	.986	10016	29.2	22	-F	2	0626	.36	.93	7		
894	CAPS	04	0917	0925		N20	E11	.477	10014	5.2	8	-F	2	V 0922	1.00	1.10	158 10		
895	CAPS	04	1047E	1055D		S11	W80	.982	10016	29.4	8D	-N	1	S 1048	.40		176 6		
899	SACP	04	2224	2237	2230	S17	E67	.915	10023	10.0	13	-F		C	.31	.53	6		
900	SACP	05	0013	0023	0015	N22	W68	.953	10011	30.9	10	-F		C	.52	1.03	5		
902	MANI	05	0503E	0517		S04	W90	1.000	10016	29.5	14D	1F	2	0507	.83	2.68	7		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
906 MANI	1969 APR 05	0825	0844	0833	S04	W90	1.000	10016	29.6	19	IN	2	0833	1.19	3.85			7
907 MEUD	05	1026	1040	1028	N06	W43	.703	10014	2.2	14	-F	C	1028	.52	.70			D 6
908 BOUL	05	1408	1440	1423	S04	W90	1.000	10016	29.8	32	-N	V						8
909 MEUD	05	1532	1548	1533	N25	W62	.926	10011	1.0	16	-F	C	1533	.36				7
910 BOUL	05	1535	1542	1536	N25	W36	.731	10014	2.9	7	-N	S						6
915 BOUL	05	1818	1829	1820	N06	W41	.679	10014	2.7	11	-F	V						5
916 SACP	05	1849	1903	1852	N08	W55	.836	10014	1.7	14	-N	C		.41	.58			4
918 CRON	06	0020	0036	0024	N24	W85	.999	10011	30.6	16	-F	C		.30	1.00			4
925 MCMA	06	1206E	1210		S18	E37	.615	10023	9.3	4D	-F	C	1206	.41	.50			E 6
928 HALE	06	1651	1701	1654	N08	W49	.776	10014	3.0	10	-B	1 C	1654	.41	.60			5
931 CULG	06	2111E	2147	2115	S29	W73	.952	10013	1.4	36D	1F	P	2115	.83				H 3
933 VORO	07	0019E	0026		N18	W37	.692	10014	4.2	7D	-B	C	0021	.84	1.18		104	CEJ 4
935 CULG	07	0052	0155	0118	N18	E78	.987	10026	12.9	63	1F	C	0118	.93				3
936 VORO	07	0131	0138	0133	N18	W32	.640	10014	4.7	7	-B	C	0133	1.29	1.60		90	EJ 5
937 HALE	07	0215	0233	0217	N08	W59	.871	10014	2.7	18	-N	1 P	0217	.72	1.50			5
941 MEUD	07	0830	0834	0831	N12	E17	.420	10022	8.6	4	-F	C	0831	.31	.30			D 12
942 MEUD	07	0911	0915	0911	N07	E20	.406	10022	8.9	4	-N	C	0911	.72	.80			E 10
GRP21944	07	1454	1505	1456	N05	E17	.347	10022	8.9	11	-N	C		1.08				8 8 6 9
SACP	07	1452	1507	1457	N06	E18	.370	10022	9.0	15	-N	C		.83	.82			
MCMA	07	1454	1505	1455	N06	E17	.357	10022	8.9	11	-B	C	1455	.62	.70			E
MEUD	07	1454	1503	1457	N07	E18	.379	10022	9.0	9	-N	C	1457	.77	.80			E
SANM	07	1454E	1505	1455	N06	E17	.357	10022	8.9	11D	-F	C		.80	.85			E
CANR	07	1454	1500	1456	N03	E21	.389	10022	9.2	6	-N	C		.90	1.00			E
BOUL	07	1455E	1503D	1456	N08	E16	.364	10022	8.8	8D	-N	S						E
ONDR	07	1456E	1510		N02	E16	.308	10022	8.8	14D	1F	V	1458			1.50		CH
WEND	07	1457E	1507		N05	E15	.321	10022	8.7	10D	1F	V		2.58				
945 HALE	07	1729	1751	1731	S29	E34	.634	10023	10.3	22	-F	2 C	1731	.15	.20			G 6
946 BOUL	07	1758	1805	1759	N11	E14	.377	10022	8.8	7	-F	V						5
949 BOUL	07	2020E	2027	2020	N10	E16	.386	10022	9.0	7D	-F	S						4
951 CRON	08	0800E	0819	0802	S13	E85	.994	10031	14.7	19D	-N	C		.50	1.70			13
954 CAPS	08	1055	1115D		S18	E80	.980	10031	14.5	20D	1N	2 V	1056	.80			190	9
955 MEUD	08	1101	1107		N16	W57	.871	10014	4.2	6	-F	C	1106	.83	1.60			E 10
956 CAPS	08	1243	1251	1247	N10	E90	1.000	10032	15.3	8	-N	2 V	1245	1.00			182	BEG 7
957 CAPS	08	1255	1312D		S18	E79	.977	10031	14.5	17D	-F	2 V	1302	.40			149	5
958 BOUL	08	1510E	1520D	1511	N19	W63	.920	10014	3.9	10D	-F	V						10
959 BOUL	08	1725E	1745		S05	E88	.999	10030	15.3	20D	-N	V						6
960 BOUL	08	1904	1913		N15	E02	.362	10022	8.9	9	-F	V						3
964 MANI	09	0535	0625	0543	S06	E81	.986	10030	15.3	50	-F	2	0543	.52	1.35			3
965 MANI	09	0554	0613	0559	S06	E80	.983	10030	15.2	19	-F	1	0559	.72	1.86			5
966 ARCE	09	0852E	0920D		N10	E90	1.000	10032	16.1	28D	-F	C	0852	.15	.90			H 9
968 MEUD	09	0916	0922	0918	N19	W70	.958	10014	4.1	6	-F	C	0918	.36				D 10
969 MEUD	09	0922	0927	0922	N16	W68	.944	10014	4.3	5	-F	C	0922	.31				D 10
970 UCCL	09	0929E	1026D	0931	N11	W05	.305	10022	9.0	57D	1N	C	0931	2.06	2.40			DLZ 8
971 ARCE	09	1014	1100D	1021	S15	E70	.935	10031	14.7	46D	-F	C	1021	.26	.60			11

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
					LAT.	MER. DIST.													
GRP21972	1969 APR 09	1031	1038	1032	N21	W66	.941	10014	4.5	7	-F								2 2 2 11
MONT	09	1030	1037	1031	N20	W66	.939	10014	4.5	7	-F	C	1031	.26					
MEUD	09	1032	1038	1033	N22	W66	.942	10014	4.5	6	-F	C	1033	.21					D
973 CAPS	09	1126	1137D		N07	E35	.606	10027	12.1	11D	-N	3 V	1131	.30	.40		182		9
974 BOUL	09	1605	1609	1606	N19	W78	.987	10014	3.8	4	-N	V							6
977 BOUL	09	1717	1724	1718	N10	W07	.301	10022	9.2	7	-F	V							4
978 BOUL	09	1723	1740D	1732	S12	E08	.172	10023	10.3	17D	-F	V							3
980 HALE	09	2030E	2045D	2040	N23	W62	.921	10014	5.2	15D	1N	2 P	2040	1.03					3
982 HALE	09	2118	2142	2122	N37	W56	.925	10033	5.7	24	-F	2 P	2122	.21					4
GRP21984	09	2159	2210	2204	N37	W58	.934	10033	5.6	11	-N								
HALE	09	2158	2210D	2205	N38	W58	.937	10033	5.6	12D	-N	2 P	2205	.36					2 2 1 6
BOUL	09	2159	2209D	2202	N36	W57	.927	10033	5.6	10D	-N	V		.36					
987 MITK	10	0410	0445	0414	N11	E90	1.000	10035	16.9	35	1N	C	0414	.52					H 5
988 CRON	10	0522	0532	0525	S05	E63	.888	10030	14.9	10	-B	C		.80	1.60				5
989 MEUD	10	0941	0945	0942	S15	E53	.796	10031	14.4	4	-F	C	0942	.46	.80				D 13
GRP21990	10	0956	1007	(0958)	S05	E63	.888	10030	15.1	11	-F			.41					
CAPS	10	0955E	1008D		S05	E64	.896	10030	15.2	13D	-N	3 V	0958	.40					2 2 2 12
MEUD	10	0956	1005		S05	E61	.872	10030	15.0	9	-F	C	0958	.41	.80		166		D
991 MEUD	10	1010	1015	1012	S08	E67	.917	10030	15.4	5	-F	C	1012	.31					D 11
992 CATA	10	1140E	1148D	1140	S14	E02	.143	10023	10.6	8D	-N		1140	.34	.35		158		11
995 BOUL	10	1422E	1438	1429	N25	W72	.972	10014	5.2	16D	-F	V							9
GRP21996	10	1605	1617	1605	S06	E63	.888	10030	15.4	12	-N								
BOUL	10	1605E	1610	1605	S07	E62	.879	10030	15.3	5D	-N	S							1 1 0 8
BOUL	10	1610E	1617	1610	S05	E64	.896	10030	15.5	7D	-N	V							
999 BOUL	10	2041E	2054	2041	S10	E07	.139	10023	11.4	13D	-N	V							2
001 MANI	10	2358E	0110	2358	N32	W70	.972	10033	5.7	72D	-F	2	2358	.62	1.52				5
002 MANI	11	0036	0039	0037	S15	E45	.708	10031	14.4	3	-F	1	0037	.31	.44				5
003 MANI	11	0100	0110	0103	S15	E42	.672	10031	14.2	10	-F	2	0103	.41	.56				4
005 MANI	11	0402E	0408D	0403	S10	E01	.073	10023	11.2	6D	-N	2	0403	.26	.26				4
006 MANI	11	0420E	0445	0423	N13	W25	.518	10022	9.3	25D	-F	2	0423	.41	.48				4
GRP22007	11	0700	0712	0700	S06	E50	.763	10030	15.0	12	-N			.40					
CAPS	11	0700E	0708		S05	E48	.741	10030	14.9	8D	-N	3 V	0702	.40	.60		164		2 2 2 9
CATA	11	0700	0715	0700	S06	E51	.774	10030	15.1	15	-N		0700	.40	.66		195		
008 CAPS	11	1020E	1029		N12	W30	.571	10022	9.2	9D	-N	3 V	1021	.30	.40		170		6
009 ARCE	11	1045E	1045D		S08	E48	.739	10030	15.0		-F	P	1045	.38	.60				6
011 MONT	11	1203	1254	1226	N19	E90	1.001	10035	18.3	51	-N	C	1226	.21					6
013 MCMA	11	1303	1308	1305	S07	E46	.716	10030	15.0	5	-F	C	1305	.21	.30				D 6
017 BOUL	11	1521	1533	1526	S07	E50	.762	10030	15.4	12	-F	V							5
018 MCMA	11	1651	1700	1654	N11	E55	.841	10032	15.8	9	-F	C	1654	.21	.40				5
019 MCMA	11	1655	1710	1658	N36	W90	1.002	10033	5.0	15	-N	C	1658						5
020 SACP	11	1920U	1922D	1922U	N36	W84	1.000	10033	5.5	2D	-N	C		.21					3
021 MANI	11	2310	2331	2315	S14	E35	.579	10031	14.6	21	-F	2	2315	.52	.64				4
022 SACP	11	2338U	2356D	2340	N08	E64	.909	10035	16.8	18D	-N	C		.21	.34				4
023 CRON	12	0311	0335	0318	S19	E28	.504	10031	14.2	24	-F	C		1.70	2.00				E 5
024 MONT	12	0757	0834	0821	S06	E37	.599	10030	15.1	37	-N	C	0821	2.27					5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg		MAX. INT. %
026 MCMA	12	1140	1205	1142	S07	E33	.542	10030	15.0	25	-N	C	1142	.41	.50		E	6
027 CAPS	12	1414	1435		N15	E50	.806	10035	16.3	21	-N	2 V	1415	.50	.80	168		6
028 MONT	12	1451	1541	1518	S41	E90	.998	10040	19.4	50	-N	C	1518	1.75				5
034 MCMA	12	2123	2128	2124	N07	W53	.813	10022	8.9	5	-N	C	2124	.36	.60		E	4
037 MANI	13	0537	0625	0545	S12	E28	.475	10030	15.3	48	-F	2	0545	.41	.48			4
043 MCMA	13	1432	1437	1433	N13	E27	.541	10032	15.6	5	-F	C	1433	.21	.30		E	7
048 MCMA	13	1630	1638	1631	N08	E43	.708	10035	16.9	8	-N	C	1631	.21	.30		D	5
050 CANR	13	1650	1708	1658	S31	E85	.992	10040	20.1	18	1F	C		.90	2.90			4
059 HALE	14	0002E	0028		N18	W70	.956	10022	8.8	26D	1N	1 P	0002	1.34				6
060 MANI	14	0028	0125	0037	S12	E07	.163	10031	14.5	57	-F	2	0037	.21	.21			6
061 HALE	14	0117	0131	0119	S12	W45	.705	10023	10.7	14	-N	1 C	0119	.31	.40			6
063 HALE	14	0142	0202	0147	S19	E03	.235	10031	14.3	20	-N	1 C	0147	.21	.20			6
066 HALE	14	0246	0257	0247	N21	E44	.774	10035	17.4	11	1N	1 C	0247	1.44	2.30			6
070 MANI	14	0520	0610	0525	S17	W60	.863	10023	9.7	50	-N	2	0525	1.03	1.80			4
074 ABST	14	0858	0920	0908	N19	E64	.925	10035	19.2	22	-F	C	0908	.72		52	DK	6
078 ABST	14	1217	1230	1219	N12	E33	.606	10035	17.0	13	1N	C	1219	2.26	2.80	66	F	9
081 CAPS	14	1352	1416		S14	W03	.153	10031	14.4	24	-F	3 V	1400	.60	.60	142		5
083 BOUL	14	1446	1452	1448	N21	E60	.903	10035	19.1	6	-F	V						5
084 BOUL	14	1505E	1517	1505	N27	E63	.934	10035	19.4	12D	-F	V						5
085 MCMA	14	1524	1535	1527	N20	E34	.671	10035	17.2	11	-F	C	1527	.31	.40		E	6
087 BOUL	14	1625	1638	1628	N20	E35	.681	10035	17.3	13	-F	V						5
088 BOUL	14	1643	1653	1645	S05	E05	.088	10030	15.1	10	-N	V						5
089 BOUL	14	1643E	1657D	1650	N21	E36	.698	10035	17.4	14D	-N	8 V						5
092 HALE	14	1810	1830	1812	N22	E56	.878	10035	19.0	20	-F	2 C	1812	.31	.70			5
099 SACP	14	2145U	2151U	2149	N10	W89	1.000	10022	8.2	6D	-N	C		.21				2
104 SACP	15	0103	0123D	0108	N12	W80	.989	10022	9.0	20D	-N	C		.63				5
105 MANI	15	0212E	0228		N12	E24	.495	10035	16.9	16D	-F	2	0212	.41	.48			6
106 MANI	15	0212E	0230		N20	E26	.591	10035	17.0	18D	-F	2	0212	.41	.52			6
109 MANI	15	0355E	0410D		S14	W10	.224	10031	14.4	15D	-F	2	0355	.72	.74			5
112 MANI	15	0515E	0528		N23	E28	.637	10035	17.3	13D	-F	2	0518	.77	1.02			6
GRP22115	15	0726	0741	0726	S07	W03	.057	10030	15.1	15	-F			1.06			2 2 2	8
MANI	15	0725	0742D	0725	S08	W02	.054	10030	15.2	17D	-F	2	0725	.93	.93			
ABST	15	0726	0740	0727	S06	W03	.052	10030	15.1	14	-F	C	0727	1.18	1.10	55	E	
117 ARCE	15	0937	0955D	0944	N18	E52	.834	10035	19.3	18D	-F	C	0944	.31	.50			9
121 CAPF	15	1240	1249		N20	E25	.581	10035	17.4	9	1N	S	1242	1.76	2.14			7
124 CAPS	15	1355E	1406D		N26	E55	.883	10035	19.7	11D	-N	2 V	1403	.30	.50	160		6
GRP22126	15	1501	1529	1503	N20	E27	.600	10035	17.7	28	-B			1.30			2 2 2	4
CANR	15	1459	1520	1503	N19	E23	.551	10035	17.3	21	-N	C		1.60	1.90			
CAPS	15	1502	1537		N21	E31	.648	10035	18.0	35	-B	3 V	1504	1.00	1.30	216		
130 SACP	15	2135	2201	2140	N17	E01	.385	10032	16.0	26	-N	C		.62	.62			5
134 MANI	16	0204E	0211		S12	E79	.979	10044	22.0	7D	-F	2	0205	.36	.93			6
135 MANI	16	0416	0437		S10	W15	.267	10030	15.1	21	-F	2	0418	.83	.86			5

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OBSERVATORY	OBSERVED UT			MAX. PHASE	LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	TIME UT	MEASUREMENTS				REMARKS					
	DATE	START	END		APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION					CMP DAY	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg		MAX. INT. %				
137 CAPS	16	0659	0705		N21	E12	.485	10035	17.2	6	-N	3	V	0700	.40	.40		169		7		
GRP22138	16	0704	0714	0706	N08	E11	.300	10035	17.1	10	-B				1.30				2	2	2	6
ABST	16	0703	0713	0706	N06	E08	.243	10035	16.9	10	-N			0706	1.80	1.80		66	F			
CAPS	16	0705	0715		N10	E13	.346	10035	17.3	10	-B	3	V	0708	.80	.80		290				
GRP22139	16	0726	0741	0727	N17	W04	.389	10032	16.0	15	-F				.72				2	1	1	8
MEUD	16	0726	0741	0727	N17	W04	.389	10032	16.0	15	-F			0727	.72	.80						
CAPS	16	0728E	0740D		N29	W03	.569	10032	16.1	12D	-N	3	V	0728	.40	.50		182	EK			
142 CAPS	16	0835	0848D		N20	E12	.472	10035	17.3	13D	-B	2	V	0837	.60	.60		230			7	
143 MONT	16	1151	1156	1152	S06	W21	.357	10030	14.9	5	-N			1152	1.55						4	
145 CATA	16	1325E	1330D	1325	N05	E04	.196	10035	16.9	5D	-N			1325	.58	.60		166			5	
146 MCMA	16	1339E	1345		N20	E05	.439	10035	16.9	6D	-N			1340	.41	.50			E		7	
147 MCMA	16	1339E	1410D		N05	E05	.202	10035	16.9	31D	-N			1352	.31	.30			E		6	
148 MCMA	16	1352	1435D	1406	N23	E38	.729	10035	19.4	43D	-N			1406	.31	.50			DL		7	
150 MEUD	16	1526	1529	1526	N07	E01	.218	10035	16.7	3	-F			1526	.93	.90					8	
163 MANI	17	0224	0240	0226	N17	W16	.461	10032	15.9	16	-F	2		0226	.83	.93					5	
164 MANI	17	0330	0350	0335	S08	W28	.468	10030	15.0	20	-F	2		0335	.62	.71					5	
GRP22166	17	1024	1045	1025	S14	W07	.190	10045	16.9	21	-B				.63				2	2	2	7
CAPS	17	1024E	1044D		S13	W07	.177	10045	16.9	20D	-B	3	V	1025	.50	.50		194				
CATA	17	1025E	1045D	1025	S14	W06	.180	10045	17.0	20D	-N			1025	.75	.77		162	Z			
168 CAPS	17	1234	1250		N22	E26	.608	10035	19.5	16	-F	1	V	1237	.70	.80		139			5	
169 SACP	17	1322	1344	1330	N24	E46	.805	10035	21.0	22	-F				.52	.69					6	
170 SACP	17	1325	1340	1327	S08	W35	.571	10030	14.9	15	-N				.53	.56					6	
171 BOUL	17	1741E	1748D	1743	S18	E17	.355	10039	19.0	7D	-F										3	
174 MANI	17	2355E	0007		S14	W15	.293	10045	16.9	12D	-F	2		2355	.62	.65					4	
175 MANI	18	0144E	0200	0152	N20	E13	.476	10035	19.0	16D	-F	2		0152	.41	.47					3	
GRP22178	18	0557	0608	(0559)	N20	W14	.483	10035	17.2	11	-F				.41				2	2	1	7
MANI	18	0557E	0606		N20	W15	.490	10035	17.1	9D	-F	2		0559	.41	.47						
ISTA	18	0600E	0610		N20	W12	.469	10035	17.4	10D	-N											
180 CRIM	18	0639	0648D	0643U	S08	W44	.692	10030	15.0	9D	-N			0643	1.26	1.80			D		4	
181 ARCE	18	0807	0830	0818	N05	W19	.369	10035	16.9	23	-F			0818	.51	.50			EI		6	
GRP22184	18	0903	0912	0904	N22	W17	.531	10035	17.1	9	-B				.52				2	2	2	7
CATA	18	0900E	0915D	0900	N22	W17	.531	10035	17.1	15D	-B			0900	.58	.68		269				
MONT	18	0906	0909	0907	N21	W17	.518	10035	17.1	3	-N			0907	.46							
188 CAPS	18	1317	1327		N20	W13	.476	10035	17.6	10	-N	2	V	1318	.40	.40		160			5	
189 CAPS	18	1527	1531D		N07	W13	.308	10035	17.7	4D	-N	2	V	1528	.60	.60		161			6	
190 CAPS	18	1544	1601D		N23	E25	.608	10035	20.5	17D	-N	2	V	1545	1.00	1.20		182			5	
195 BOUL	18	1717	1735	1724	S19	E04	.245	10039	19.0	18	-F										3	
196 SACP	18	1807E	1815	1808	N23	E24	.599	10035	20.6	8D	-F				.41	.45					4	
197 BOUL	18	1821E	1828	1823	S32	E35	.671	10040	21.4	7D	-F										3	
199 BOUL	18	2044E	2057	2045	N07	W27	.495	10035	16.8	13D	-F										3	
201 BOUL	18	2232E	2240	2232	S11	W15	.273	10045	17.8	8D	-F										6	
202 VORO	19	0000	0022	0003	N30	E08	.590	10035	19.6	22	-B			0003	1.29	1.50					5	
204 BUCA	19	0715	0740	0717	S14	W30	.512	10045	17.1	25	-N			0717	.43	.50					7	
206 HURB	19	0829E	0902D		S15	W33	.557	10045	16.9	33D	-N							1.40	E		7	
209 SACP	19	1314	1323	1315	N20	W10	.456	10035	18.8	9	-N				.42	.43					8	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	
1969 APR																	
212 BOUL	19	1432	1439	1435	N20	W30	.627	10035	17.4	7	-N	V					6
214 BOUL	19	1501	1507	1505	N24	E13	.529	10035	20.6	6	-F	V					8
218 MCMA	19	2006	2022	2014	S05	W64	.897	10030	15.0	16	-F	C	2014	.52	1.20		E 4
223 HALE	19	2227	2245D	2228	N22	W10	.485	10035	19.2	18D	-B	2 P	2228	.08	.10		Z 5
225 CULG	19	2300	0008	2310	N25	E10	.527	10035	20.7	68	1F	C	2310	2.06	2.30		6
228 CULG	20	0156	0225	0203	S06	W60	.863	10030	15.6	29	1F	C	0203	1.39			TU 5
230 HALE	20	0320	0347	0324	N07	W39	.653	10035	17.2	27	-N	2 C	0324	.31	.40		7
231 HALE	20	0334	0402D	0339	N20	W38	.708	10035	17.3	28D	-F	2 P	0339	1.13	1.60		F 7
233 MANI	20	0436E	0448	0440	S08	W65	.903	10030	15.3	12D	-F	2	0440	.52	1.04		6
234 MANI	20	0510	0540	0513	N23	E05	.479	10035	20.6	30	-F	2	0513	.62	.69		6
235 ISTA	20	0550E	0730		N09	W03	.251	10042	20.0	100D	2N						6
241 MCMA	20	1201E	1225D		N20	W19	.521	10035	19.1	24D	-N	C	1201	1.29	1.50		E 4
242 CATA	20	1250	1255D	1250	N22	W41	.749	10035	17.5	5D	-N		1250	.46	.71	199	7
244 MCMA	20	1259	1310	1301	N22	W42	.758	10035	17.4	11	-F	C	1301	.26	.40		D 7
1 STATIONS REPORTING GROUP 22246. 6 STATIONS OBSERVING AND NOT REPORTING.																	
246 SANM	20	1422E	1550		N22	W45	.785	10035	17.2	88D	-F	C	1427	.32	.50		EK 7
246 SANM	20	1422E	1550		N22	W45	.785	10035	17.2	88D	-F		1540	.97	1.60		7
254 MANI	20	2232	2253	2239	N22	W48	.812	10035	17.3	21	-F	2	2239	.72	1.24		4
255 MANI	20	2233	2246	2236	N08	W57	.851	10035	16.7	13	-F	2	2236	.52	.93		4
256 MANI	20	2238	2255	2244	S10	W08	.161	10041	20.3	17	-F	1	2244	.31	.32		4
260 SACP	21	0103	0127D	0115U	N21	W26	.595	10035	19.1	24D	-N	C		1.06	1.15		3
263 MANI	21	0618	0713	0621	N21	W28	.614	10035	19.2	55	-F	2	0621	.52	.65		7
GRP22264	21	0643	0726	0648	N28	W57	.899	10035	17.0	43	-F			.80			2 2 2 9
MANI	21	0643	0725		N27	W55	.884	10035	17.2	42	-F	2	0654	.52	.98		
ABST	21	0646E	0726	0648	N28	W58	.906	10035	16.9	40D	1F	C	0648	1.08		59	E
265 CAPS	21	0719E	0733D		N20	W21	.538	10035	19.7	14D	-B	2 P	0721	1.00	1.30	218	10
GRP22266	21	0751	0834	0758	N26	W16	.570	10035	20.1	43	-F			2.05			2 2 2 9
CRON	21	0750	0834	0758	N30	W13	.606	10035	20.4	44	1F	C		3.40	4.30		
CAPS	21	0752	0801D		N20	W22	.547	10035	19.7	9D	-F	2 V	0753	.70	.90	150	Z
CAPS	21	0821	0830D		N22	W15	.513	10035	20.2	9D	-N	2 V	0822	.80	.80	188	
276 BOUL	21	1622	1641	1628	N20	W34	.667	10035	19.1	19	-N	V					6
278 SACP	21	1641	1653	1642	N07	W60	.875	10035	17.2	12	-F	8 C		.31	.47		6
GRP22279	21	1724	1731	1727	S10	W16	.285	10041	20.5	7	-N			1.30			1 1 1 3
BOUL	21	1724	1730	1726	S10	W16	.285	10041	20.5	6	-N	V					
BOUL	21	1725	1731	1727	S11	W17	.306	10041	20.5	6	-N	C		1.30	1.40		
280 BOUL	21	1731	1738	1733	S10	W16	.285	10041	20.5	7	-F	V					4
281 BOUL	21	1756	1808	1759	S15	W67	.917	10045	16.7	12	-F	V					3
282 BOUL	21	1825	1833	1827	N20	W38	.707	10035	18.9	8	-N	V					3
GRP22283	21	1828	1840	1829	N23	W62	.918	10035	17.1	12	-F						1 1 0 3
BOUL	21	1828	1833	1829	N22	W64	.929	10035	17.0	5	-F	V					
BOUL	21	1829	1840	1831	N25	W61	.917	10035	17.2	11	-F	V					
289 MANI	21	2329	2350	2331	N23	W61	.912	10035	17.4	21	-F	2	2331	.41	.84		4
291 HALE	22	0027	0048	0031	N25	W35	.712	10035	19.4	21	-N	2 C	0031	.21	.30		4
292 HALE	22	0037	0048	0039	N20	W37	.697	10035	19.3	11	-F	2 C	0039	.15	.20		F 4
294 HALE	22	0151	0217	0203	N23	W64	.930	10035	17.3	26	-N	1 C	0203	.41			4

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OBSERVATORY	OBSERVED UT			MAX. PHASE	LOCATION					DURATION MIN.	IMPOR-TANCE	OBS. COND.	OBS. TYPE	TIME UT	MEASUREMENTS				REMARKS
	DATE	START	END		APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY						MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
296 HALE	22	0157	0220	0202	N22	W40	.738	10035	19.1	23	-N	2	C	0202	.15	.20			4
300 MANI	22	0503E	0515		S12	W24	.418	10041	20.4	12D	-N	2		0503	.93	1.02			4
301 MANI	22	0519	0535	0525	N23	W70	.960	10035	17.0	16	-F	2		0525	.72	1.61			4
302 MANI	22	0523	0543	0530	N23	W38	.725	10035	19.4	20	-F	2		0530	.62	.92			4
304 ISTA	22	0655	0715		S02	E90	1.000	10057	29.0	20	-N								7
305 ISTA	22	0755	0805		N22	W70	.959	10035	17.1	10	-N								7
308 CATA	22	1225E	1230D	1225	S09	W31	.515	10041	20.2	5D	-N			1225	.17	.20	186		3
GRP22309	22	1305	1319	1315	N23	W75	.979	10035	16.9	14	-F				.24				2 2 2 6
SACP	22	1305	1319	1315	N22	W75	.979	10035	16.9	14	-N		C		.31	.78			
SANM	22	1310E	1319		N23	W75	.979	10035	16.9	9D	-F		P	1315	.17			D	
311 BOUL	22	1505	1518		N18	W58	.880	10035	18.3	13	-F		V						5
314 BOUL	22	1744E	1753	1745	S14	E45	.710	10049	26.1	9D	-F		V						4
315 BOUL	22	1759	1813	1801	N27	W74	.979	10035	17.2	14	-F		V						5
316 BOUL	22	1808	1819	1810	N25	W74	.977	10035	17.2	11	-F		V						5
322 HALE	22	2230	2251	2234	N07	W78	.981	10035	17.1	21	-F	1	C	2234	.31				4
323 SACP	22	2246	2255	2249	N15	W10	.380	10054	22.2	9	-F		C		.41	.42			4
324 MANI	22	2303	2350	2308	S16	W84	.992	10045	16.7	47	-F	2		2308	.26	.72			4
325 MANI	22	2325E	2335	2328	N07	E85	.997	10057	29.4	10D	-F	2		2328	.36	1.01			4
326 HALE	22	2349	2359D	2353	N25	W34	.703	10035	20.4	10D	-N	2	P	2353	.41	.60			4
327 MANI	23	0028E	0045		S09	W40	.641	10041	20.0	17D	-F	1		0032	.93	1.22			4
GRP22329	23	0135	0156	0144	S20	W77	.971	10045	17.3	21	1F				1.34				2 1 1 6
CULG	23	0135	0156D	0144	S20	W77	.971	10045	17.3	21D	1F		P	0144	1.34				
HALE	23	0156	0256	0158	S18	W69	.931	10045	17.9	60	1N	1	C	0158	2.11			F	
330 HALE	23	0151	0202	0153	N14	W63	.908	10035	18.4	11	-N	1	C	0153	.41				6
331 HALE	23	0204	0215	0206	N24	W72	.969	10035	17.7	11	-N	1	C	0206	.31				6
GRP22335	23	0616	0643	0625	N06	W89	1.000	10035	16.6	27	-F				.57				2 2 2 7
CULG	23	0616	0643	0625	N07	W87	.999	10035	16.7	27	1F		C	0625	.83				
MANI	23	0619E	0622D		N05	W90	1.000	10035	16.5	3D	-F	2		0622	.31	1.01			
338 CULG	23	0702	0722D	0712	S11	W38	.617	10041	20.4	20D	1F		P	0712	1.65	2.16			10
339 CATA	23	0805E	0815D	0810	N08	E78	.981	10057	29.2	10D	-N			0810	.23		172		6
340 MONT	23	1215	1226	1218	N23	W59	.899	10035	19.1	11	-N		C	1218	2.06				4
342 CAPF	23	1331E	1340		N23	W57	.885	10035	19.3	9D	-N		P	1236	.59	1.25		H	5
GRP22344	23	1402	1408	1405	N22	W60	.903	10035	19.1	6	-N				.31				2 2 1 8
SACP	23	1402	1407	1405	N22	W59	.896	10035	19.2	5	-N		C		.31	.50			
BOUL	23	1404E	1408	1404	N22	W60	.903	10035	19.1	4D	-N		S						
346 BOUL	23	1533	1546	1535	N23	W61	.912	10035	19.1	13	-F		V						4
347 BOUL	23	1545	1544	1537	S10	W49	.752	10041	20.0	9	-N		C		.90	1.40			4
348 BOUL	23	1549	1601	1550	N20	W90	1.000	10035	16.9	12	-N		V						3
349 BOUL	23	1620	1630	1622	N23	W56	.878	10035	19.5	10	1B		C		1.20	2.40			3
350 BOUL	23	1633	1647	1637	N24	W56	.881	10035	19.5	14	-N		C		.80	1.60			3
351 BOUL	23	1716	1750	1730	N10	W90	1.000	10035	17.0	34	-N		V						4
353 BOUL	23	1748	1830	1753	S21	W50	.778	10041	20.0	42	1F		C		2.40	3.80			4
358 HALE	23	2040	2053D	2046	N23	W45	.789	10035	20.5	13D	-N	1	P	2046	.52	.80		F	3

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha	MAX. INT. %
					LAT.	MER. DIST.												
GRP22364	24	0319	0330	0322	S11	W53	.796	10041	20.2	11	-N						2 2 2 9	
HALE	24	0319	0330	0322	S11	W55	.817	10041	20.0	11	-N	1	C	0322	.46	.80		
MANI	24	0319E	0320D		S10	W50	.764	10041	20.4	10	-N	1	C	0320	.62	.95		
366 CRON	24	0616	0639	0621	N08	E85	.997	10057	30.6	23	-F		C		.30	1.00		7
GRP22367	24	0725	1132	0730	S11	W57	.836	10041	20.0	247	1F				1.35			2 1 1 11
ABST	24	0725	1132	0730	S11	W57	.836	10041	20.0	247	1F		C	0730	1.35	2.50	53	DK
CATA	24	0915	0935D	0915	S11	W53	.796	10041	20.4	20D	-N			0915	.52	.87	180	
GRP22368	24	0911	0918	0916	N26	W70	.963	10035	19.1	7	-F				.55			2 2 2 10
ARCE	24	0908E	0918D	0917	N26	W70	.963	10035	19.1	10D	-F		P	0917	.32	.80		H
CAPE	24	0913	0917	0914	N25	W70	.962	10035	19.1	4	-N		C	0914	.77			V
GRP22370	24	1115	1210	1117	S10	W58	.845	10041	20.1	55	-N				.49			2 2 2 9
MCMA	24	1115	1210	1119	S10	W58	.845	10041	20.1	55	-N	8	C	1119	.52	1.00		E
CATA	24	1115E	1125D	1115	S10	W57	.836	10041	20.2	10D	-N	8		1115	.46	.81	199	
GRP22371	24	1138	1149	1140	N25	W70	.962	10035	19.2	11	-F				.36			2 2 2 9
MCMA	24	1136	1149	1138	N25	W68	.953	10035	19.4	13	-N		C	1138	.41	1.50		E
HTRP	24	1140	1148	1141	N25	W71	.966	10035	19.2	8	-F		C	1141	.31			
374 MCMA	24	1253	1302	1254	S10	W56	.826	10041	20.3	9	-F		C	1254	.52	.90		E 10
375 MCMA	24	1327	1415	1329	N10	E76	.975	10057	30.3	48	-F		C	1329				D 10
376 MCMA	24	1421	1450D	1423	N10	E55	.836	10057	28.7	29D	-F		C	1423	.72	1.30		E 9
377 BOUL	24	1429E	1435	1430	N06	W90	1.000	10035	17.9	6D	-F		S					11
378 BOUL	24	1432	1438	1434	N24	W70	.961	10035	19.4	6	-F		V					11
380 BOUL	24	1525E	1535D	1528	N12	E52	.813	10057	28.5	10D	-F		V					9
381 MONT	24	1600	1609	1605	N18	W75	.976	10035	19.0	9	-N		C	1605	.21			7
382 BOUL	24	1624	1632	1626	N14	E72	.961	10057	30.1	8	-N		V					7
383 BOUL	24	1653E	1659D	1655	N10	E73	.962	10057	30.2	6D	-F		V					6
GRP22384	24	1718	1722	1719	S11	W57	.836	10041	20.4	4	-F				.36			2 2 1 6
BOUL	24	1717	1722	1718	S11	W57	.836	10041	20.4	5	-F		V					
MCMA	24	1718	1722	1719	S10	W57	.836	10041	20.4	4	-F		C	1719	.36	.60		E
GRP22385	24	1744	1755	1749	N11	E52	.810	10057	28.6	11	-N				.31			2 2 1 6
BOUL	24	1743	1755	1748	N12	E51	.803	10057	28.6	12	-N		V					
MCMA	24	1745	1755	1749	N10	E53	.818	10057	28.7	10	-N		C	1749	.31	.50		D
388 BOUL	24	1902	1912	1905	S10	W58	.845	10041	20.4	10	-N		V					6
GRP22392	24	2218	2230	2222	N09	E67	.929	10057	30.0	12	-F				.41			2 2 1 7
SACP	24	2216	2231	2222	N09	E67	.929	10057	30.0	15	-F		C		.41	.74		
BOUL	24	2219	2228	2222	N09	E67	.929	10057	30.0	9	-F		V					
393 BOUL	24	2240	2247D	2245	N10	E66	.923	10057	29.9	7D	-F		V					7
394 HALE	24	2257	2303	2259	N18	W79	.988	10035	19.0	6	-F	2	C	2259	.41			6
396 HALE	25	0342	0347	0343	N19	W80	.991	10035	19.2	5	-N	1	C	0343	.26			7
397 MANI	25	0435E	0443		N25	E86	1.000	10061	1.6	8D	-F	2		0437	.21	.52		6
399 HTRP	25	0637	0709	0643	N08	E07	.251	10055	25.8	32	-F		C	0643	.62	.60		8
400 CATA	25	0910	0935	0910	N08	E05	.237	10055	25.8	25	-N			0910	.93	.96	176	11
401 ZURI	25	0940E	1006	0940	N11	E40	.680	10057	28.4	26D	-F		P	0940	.95	1.30		10
402 CAPS	25	1336	1346D		N22	E67	.944	10057	30.6	10D	-N	3	V	1339	.40		161	10
403 CATA	25	1435	1500D	1445	S07	W73	.954	10041	20.1	25D	1N			1445	1.04		197	10
404 ZURI	25	1450	1452	1450	N24	W67	.947	10035	20.6	2	-F		C	1450	.71			10
405 MCMA	25	1521	1530	1522	N20	E42	.745	10057	28.8	9	-N		C	1522	.31	.40		E 8
406 CATA	25	1550	1615D	1605	S06	W75	.964	10041	20.0	25D	-N			1605	.58		199	7
407 MCMA	25	1858	1910	1901	S10	W75	.963	10041	20.2	12	-F		C	1901				D 4

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	TIME UT	MEASUREMENTS				REMARKS	
	DATE 1969 APR	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
411 MCMA	25	2055	2110	2058	S10	W75	.963	10041	20.2	15	-F	C	2058	.31	1.00			E	6
GRP22413	25	2140	2158	2146	S13	W77	.971	10041	20.1	18	-N			.72				2 2 1 7	
BOUL	25	2140	2153	2146	S10	W76	.968	10041	20.2	13	-N	V							
MANI	25	2150E	2202		S16	W78	.975	10041	20.1	12D	-N	1	2153	.72	1.79				
GRP22414	25	2222	2247	2231	S10	W78	.976	10041	20.1	25	-F			.52				2 2 1 8	
BOUL	25	2219	2244	2232	S10	W77	.972	10041	20.2	25	-F	V							
MANI	25	2225	2249	2230	S10	W78	.976	10041	20.1	24	-F	2	2230	.52	1.28				
417 SACP	26	0039	0048	0040	N09	E51	.795	10057	29.9	9	-F	C		.42	.55				5
418 HALE	26	0205	0225	0208	S08	W75	.964	10041	20.5	20	-N	1	C 0208	.41					5
421 HTPR	26	0535E	0618D		S07	W85	.995	10041	19.9	43D	-F	C	0555	.36					9
422 CATA	26	0615E	0700	0620	S23	E29	.551	10052	28.4	45D	-N		0620	.46	.56		174		12
423 CATA	26	0740	0805	0740	N10	E46	.744	10057	29.8	25	-N		0740	.34	.54		182		10
424 HURB	26	0812E	0827		N06	E50	.778	10057	30.1	15D	IF					1.40			9
425 CAPS	26	0917	0930D		N09	W07	.265	10055	25.9	13D	-F	3	V 0917	.50	.50		159		8
426 CATA	26	0945	1020	0955	S20	W12	.330	10049	25.5	35	-N		0955	.58	.61		160		8
428 ZURI	26	1118	1129	1123	S08	E50	.764	10058	30.2	11	-N	C	1123	.53	.80				9
430 MCMA	26	1530	1604		S06	E47	.729	10058	30.2	34	-F	C	1550	.31	.50			D	9
GRP22433	26	1705	1740	1712	N12	E28	.537	10057	28.8	35	IF			3.09				2 2 1 4	
BOUL	26	1705	1738	1712	N12	E21	.450	10057	28.3	33	IF	8	V						
WEND	26	1708E	1742D		N11	E34	.606	10057	29.3	34D	IF	8	V	3.09					
435 BOUL	26	1835	1850	1845	S12	W90	1.000	10041	20.0	15	-N	V							3
438 MANI	26	2214	2248	2225	N12	E22	.462	10057	28.6	34	-F	2	2225	1.65	1.89				4
440 MANI	27	0509E	0517		N24	E27	.627	10056	29.2	8D	-F	2	0510	.72	.93				6
GRP22441	27	0604	0615	0607	S10	E40	.643	10058	30.3	11	-F			.51				2 2 2 9	
MANI	27	0601	0616	0607	S10	E40	.643	10058	30.3	15	-F	2	0607	.62	.80				
CAPS	27	0607	0613		S09	E39	.629	10058	30.2	6	-N	3	V 0609	.40	.50		182		
GRP22442	27	0654	0708	0657	N12	W23	.473	10055	25.6	14	-F			.43				2 2 2 12	
MANI	27	0652	0705	0657	N12	W22	.461	10055	25.6	13	-F	2	0657	.31	.35				
BUCA	27	0655	0710	0657	N11	W23	.465	10055	25.6	15	-N	C	0657	.55	.60				
443 MANI	27	0758	0813	0800	N09	E17	.370	10057	28.6	15	-F	2	0800	.83	.89				12
444 HURB	27	1017	1026		N07	E31	.545	10057	29.8	9	-N					1.50		E	11
446 CANR	27	1140E	1220	1145U	N04	E32	.546	10057	29.9	40D	-N	C		1.00	1.60				8
450 BOUL	27	1610E	1620	1613	N13	E32	.592	10057	30.1	10D	-N	V							5
454 HALE	27	2337	2357D	2352	N21	E88	1.000	10064	4.6	20D	-B	1	P 2352	.31					6
455 HALE	27	2339	2357D	2344	N11	W35	.618	10055	25.4	18D	-F	1	P 2344	.21	.30				6
456 MANI	28	0324E	0425D	0340	N12	E90	1.000	10065	4.9	61D	1N	2	0340	1.13	3.90				5
457 MANI	28	0506E	0521	0509	S10	W60	.863	10047	23.7	15D	-F	2	0509	.62	1.13				4
458 HURB	28	0728	0734		N09	E22	.434	10057	30.0	6	-B					1.80			7
459 HURB	28	0942	1002		N22	E80	.991	10064	4.4	20	-N					1.60			4
GRP22460	28	1356	1405	(1356)	N10	W43	.710	10055	25.4	9	-F			.52				2 1 1 8	
MEUD	28	1356	1405		N10	W43	.710	10055	25.4	9	-F	C	1356	.52	.70			E	
BOUL	28	1402	1422	1408	N10	W40	.674	10055	25.6	20	-F	V							
464 BOUL	28	2104	2114	2106	N11	E13	.345	10057	29.9	10	-F	V							3
465 BOUL	28	2119	2123	2120	N14	W07	.338	10057	28.4	4	-F	V							3
467 MANI	28	2344	2351	2345	N10	W10	.302	10057	28.2	7	-F	1	2345	.26	.27				3
469 HALE	29	0337	0405	0342	N10	E09	.292	10057	29.8	28	-F	1	C 0342	.31	.30				6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER DIST												
	1969 APR																	
470 HURB	29	0708E	0718		N07	E07	.231	10057	29.8	10D	-F				1.60	7		
479 SACP	29	1849	1915	1855	S07	E13	.228	10058	30.8	26	-N	C	.41	.41		4		
481 MCMA	29	2113E	2114D		N10	E88	1.000	10065	6.5	1D	-N	P	2114			D 3		
GRP22485	30	2323	0000	2339	N05	W13	.275	10057	30.0	37	-F		1.04			2 2 2 6		
HALE	30	2259	2325	2305	N02	W20	.358	10057	29.5	26	-F	1 C	2305	.62	.70			
SACP	30	2320	2357D	2340	N05	W09	.224	10057	30.3	37D	-N	8 C	2338	.73	.72			
HALE	30	2325	0000	2338	N06	W13	.285	10057	30.0	35	-F	1 P	2338	1.34	1.40	FZ		
486 SACP	30	2345	2357D	2350	N09	W34	.593	10057	28.4	12D	-N	8 C	2338	1.04	1.13			

"Remarks":

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

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

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.