

SOLAR FLARES

J11

JUNE 1965

OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		McMATH FLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.										
CATA	01	0600 E	0640 D	0629	S10	E36	7840		1-	2	0629	.12	.15		126	DGH
CATA	01	0800 E	1030 D	0940	S10	E36	7840		1-	2	0940	.62	.78		136	EH
ARCE	01	0812 E	0815 D		S09	E35	7840		1-	3	0812	.39	.48			
KAND	01	1152 E	1204		S10	E39	7840		1-							
MCMA	01	1300	1315		S12	E28	7840		1-	1 C	1305	.30	.30			EHT
HUAN	01	1630 E	1649 D		S11	E29	7840		1-	P	1630	.18	.21			DF
MCMA	01	1803	1830	1810	S12	E28	7840		1-	1 C	1810	.40	.50			EH
MCMA	01	2010	2035	2025	S12	E30	7840		1-	1 C	2025	.20	.20			DH
CATA	02	0635 E	1039 D	0637	S08	E24	7840		1-	3	0637	.42	.46		140	E
KAND	02	0825	0842		S10	E24	7840		1-							
ARCE	02	0910 E	1010 D		S09	E22	7840		1-	3	0910	1.01	1.11			
UCCL	02	1030	1049		S12	E22	7840		1-	3						D
UCCL	02	1059	1101		S12	E22	7840		1-	3						D
OTTA	02	1150	1207	1159	S11	E20	7840		1-	2 C	1159	.42	.42			H
UCCL	02	1157	1205		S12	E22	7840		1-	3						D
KAND	02	1218 E	1226		S10	E18	7840	8 D	1-							
OTTA	02	1220	1313 D		S11	E19	7840		1-	1 C	1237	.36	.36			
UCCL	02	1222	1315		S12	E22	7840		1-	3						EK
KAND	02	1223	1247		S11	E19	7840	24	1+							
CLMX	02	1229	1253	1241	S12	E20	7840		1-	C	1241	.30	.30			
CLMX	02	1232	1247	1242	S12	E28	7840		1-	C	1242	.20	.20			
HUAN	02	1237	1244	1240	S11	E18	7840		1-	C	1240	.18	.20			DF
ONDR	02	1239 E	1251 D		S10	E21	7840		1-	2	1241			1.90		CK
CLMX	02	1259	1311	1305	S12	E20	7840		1-	C	1305	.20	.20			
KAND	02	1302	1318		S11	E19	7840	16	1-							
CLMX	02	1335	1338	1337	S11	E29	7840		1-	C	1337	.50	.50			
HUAN	02	1335	1341	1337	S11	E18	7840		1-	C	1337	.25	.27			DF
OTTA	02	1336	1341	1338	S10	E19	7840		1-	1 C	1338	.96	.96			
CAPS	02	1337 E	1349 D		S10	E23	7840	12 D	1-	2	1345	1.80	2.00		194	E
CAPE	02	1337	1356	1338	S08	E18	7840		1-	C	1338	1.20	1.30			J
CLMX	02	1404	1437		S12	E28	7840		1-	C	1417	.60	.60			
KANZ	02	1420 E	1428		S10	E22	7840		1-							DH
KANZ	02	1521 E	1525 D		S10	E22	7840		1-							D
OTTA	02	1622 E	1628 D		S28	W68	7841		1-	1 C	1625	.24	.45			
	02	1810	1815	NO FLARE	PATROL											
HALE	02	2014	2030	2017	S11	E16	7840		1-	2 C	2017	.60	.60			
	02	2130	2200	NO FLARE	PATROL											
KAND	03	0901	0918	0905	S12	E12	7840		1-							
CATA	03	0937 E	1032 D	0937	S09	E08	7840		1-	3	0937	.44	.45		138	E
KAND	03	1150	1154		S12	E09	7840		1-							
KAND	03	1154	1229		S10	E07	7840	35	1-							
KAND	03	1158	1205		S11	E07	7840		1-							
OTTA	03	1217	1230 D		S27	W82	7841		1-	1 C	1230	.36				
MCMA	03	1217	1241	1230	S26	W85	7841		1-	2 C	1230	.30				D
KAND	03	1223	1230		S10	E03	7840		1-							
KAND	03	1226	1236		N33	W90		10	1-							
KAND	03	1235	1250 D		S12	W17	7842		1-							
SACP	03	1415	1440	1419	S10	E02	7840		1-	C		.26	.25		18	
MCMA	03	1415	1441	1418	S10	E04	7840		1-	1 C	1418	.30	.30			E

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		MC-MATH FLAG REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH He	MAX. INT. * ₂	
					LAT.	MER. DIST.										
SACP	03	1538	1555	1544	S12	W22	7842		1-	C		.35	.35		19	
HUAN	03	1540	1557	1545	S11	W20	7842		1-	C	1545	.15	.16			D
MCMA	03	1543	1610	1544	S12	W22	7842		1-	2 C	1544	.20	.20			DH
HALE	03	1736	1743	1740	S12	W22	7842		1-	2 C	1740	.30	.30			H
OTTA	03	1736	1801	1740	S11	W22	7842		1-	1 C	1740	.30	.30			H
OTTA	03			1751												
SACP	03	1744	1755	1748	S06	W04	7840		1-	C		.26	.25		18	
HALE	03	1746	1750	1747	S12	W22	7842		1-	3 C	1747	.20	.20			H
HALE	03	1755	1809	1802	S13	W23	7842		1-	3 C	1802	.20	.20			
SACP	03	1934	1943	1940	S12	E03	7840		1-	C		.39	.38		19	
HALE	03	1937	1941	1940	S12	E03	7840		1-	2 C	1940	.80	.80			
MCMA	03	2213	2221	2216	S12	W04	7840		1-	2 C	2216	.20	.20			DH
LOCK	03	2213	2224	2216	S12	W04	7840		1-	C	2216	.30	.30		10	H
SACP	03	2213	2226	2217	S11	W03	7840		1-	C		.52	.51		19	
LOCK	03	2306	2311	2308	S13	E01	7840		1-	C	2308	.40	.40		10	
LOCK	03	2344	2352	2346	S12	W04	7840		1-	C	2346	.30	.30		10	H
	04	0125	0150	NO FLARE	PATROL											
ATHN	04	0523 E	0537		S11	W29	7842		1-	3	0523	.80	.90			
BUCA	04	0624	0638		S11	W30	7842		1-	2			.60			
OTTA	04	1143	1154		S10	W10	7840		1-	1 C	1146	.36	.36			H
HALE	04	1915	1940	1926	S13	W37	7842		1-	3 C	1926	.10	.10			E
MCMA	04	1922	2205	1930	S10	W32	7842		1-	2 C	1930	.40	.40			EF
CAPF	05	1309 E	1329		N20	E90	7845		1-	2						
MCMA	05	1345	1440	1403	S12	W25	7840		1-	2 C	1403	.50	.60			E
SACP	05	1807	1834	1813	S12	W50	7842		1-	C		1.58	2.01		22	
CLMX	05	1813 E	1835		S09	W49	7842		1-	C	1816	.50	.60			
HALE	06	0039	0050	0042	S13	W56	7842		1-	2 C	0042	.30	.40			
HALE	06	0150	0210	0152	S13	W56	7842		1-	2 C	0152	.10	.10			D
TACH	06	0620	0650	0710	N20	E85	7845	30	1-	C	0710	.60	5.10	3.80	75	A
IKOM	06	0630	0649		N20	E90	7845		1-	V						DO
CATA	06	0630	0730	0703	N18	E84	7845	60	2	3	0703	2.24	9.14		159	G
CAPE	06	0653 E	0733		N20	E85	7845	40 D	1-	P	0654	.70				J
ATHN	06	0952 E	0954		N19	E83	7845		1-	2	0952	.20	1.40			
CAPS	06	1325	1345		S10	W57	7842		1-	3	1333	.40	.90		182	D
SACP	06	1327	1344	1331	S11	W61	7842		1-	C		.52	.79		18	
CAPE	06	1327	1347	1331	S12	W61	7842		1-	C	1331	.70	1.40			J
MCMA	06	1330	1342	1333	S12	W62	7842		1-	2 C	1333	.40	.90			S
HALE	06	1804	1812	1806	S12	W65	7842		1-	2 C	1806	.30	.50			
MCMA	06	1805	1830	1809	S12	W64	7842		1-	2 C	1809	.40	.90			S
HALE	06	2358	0009	0001	S13	W52	7842		1-	2 C	0001	.10	.10			E
KAND	07	0906	0918		S12	W50	7840		1-							
KAND	07	0906	0928		S14	W54	7840		1-							
WEND	07	0915 E	0932 D		S10	W42	7840		1-							
KAND	07	0931	0950		S14	W54	7840		1-							
KAND	07	0937	0946		N20	E62	7845		1							
BUCA	07	1033 E	1057 D		N12	W45		9	1					3.20		
KAND	07	1029	1100	1035	S14	W48	7840	24 D	1	1						
								31	2							

SOLAR FLARES

III

JUNE 1965

OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX. LAT.	McMATH MER. DIST.	McMATH PLAGE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
CAPE	07	1031	1103	1039	S11	W50	7840	32	1	C	1039	1.30	2.10			
KAND	07	1033	1100	1035	S11	W44	7840	27	1+							
KAND	07	1039	1054	D	S12	W49	7840		1-							
CAPS	07	1042	E 1106		S13	W48	7840	24	D	2	1045	2.00	3.00		185	F
WEND	07	1043	E 1100	D	S12	W46	7840	17	D	1+			5.00			
CAPF	07	1048	E 1107	D	S11	W47	7840	19	D	2	1049	3.00	4.23			H
SACP	07	1558	1607	1600	N23	E73	7847		1-	C		.35	.74		20	
SACP	07	2013	2028	2019	N21	E64	7847		1-	C		.26	.44		19	
SACP	07	2101	2110	2105	N27	W61	7848		1-	C		.17	.28		18	
HALE	07	2102	2111	2104	N27	W60	7848		1-	2 C	2104	.30	.50			
HALE	07	2124	2203	2131	S13	W85	7842		1-	1 C	2131	.10				
CULG	08	0044	0112	0054	N22	E64	7847	28	2	C	0054	2.40	6.00			
HALE	08	0045	0145	0055	N20	E65	7847		1-	2 C	0055	.80	1.40			
MANI	08	0047	E 0107	0054	N19	E65	7847		1-	1	0054	.33	.56			
CULG	08	0110	0127	0119	S12	W84	7842			C	0119	.60				G
HALE	08	0229	0355	0248	N21	E63	7847		1-	2 C	0248	1.00	1.60			FK
HALE	08			0318												
CULG	08	0230	0348	0251	N22	E65	7847	78	1	C	0255	1.40	3.50			G
CATA	08	0730	E 0851	D 0759	N25	W65	7848		1-	3	0759	.42	.84		138	E
KAND	08	0935	0941		S13	W90	7842		1-							
CAPE	08	0950	1030	0959	N21	E59	7847		1-	C	0959	.80	1.70			
BUCA	08	0951	E 1032	D	N23	E59	7847		1-	2			1.20			H
KANZ	08	1450	E 1458	D	N25	W70	7848		1-							D
MCMA	08	1517	1530		N23	E63	7847		1-	1 C	1520	.10	.20			E
CLMX	08	1518	1527		N19	E61	7847		1-	C	1518	.40	.60			
OTTA	08	1624	1711	D 1657	N21	E58	7847		1-	2 C	1657	.54	.80			
MCMA	08	1640	1710	1648	N23	E63	7847		1-	1 C	1700	.40	.80			EHK
CLMX	08	1656	1712	1701	N19	E61	7847		1-	C	1701	.50	.75			
HALE	08	1659	E 1724	1702	N20	E59	7847		1-	2 P	1702	.90	1.40			
HALE	08	1659	E 1724	1712	N25	W75	7848		1-	2 P	1712	.20	.50			
HALE	08	1728	1739	1733	N25	W80	7848		1-	2 C	1733	.10				
HALE	08	1943	2009	1947	N20	E52	7847		1-	1 C	1947	.60	.80			
HALE	08	2226	2234	2229	N22	W85	7848		1-	1 C	2229	.20				H
CULG	08	2238	2300	D 2250	N22	E58	7847	22	D	1	P 2250	2.20	4.40			
HALE	08	2238	2321	2244	N20	E52	7847	43	1	1 C	2244	2.20	3.10			FK
HALE	08			2250												
MCMA	08	2239	2242	D	N23	E60	7847	3	D	1	1 P 2242	1.20	2.40			S
IKOM	08	2244	2303	D	N22	E50	7847	19	D	1	V 2248	1.20	2.10	1.58	96	DH
HALE	08	2302	2322	2309	N25	W85	7848	20	1	1 C	2309	.80				
HALE	08	2324	2338	2327	N24	W85	7848		1-	1 C	2327	.30				
HALE	09	0004	0009	0007	N24	W85	7848		1-	1 C	0007	.20				
HALE	09	0010	0030	0017	N24	W85	7848		1-	1 C	0017	.70				
HALE	09	0114	0119	0117	N24	W85	7848		1-	1 C	0117	.10				
HALE	09	0123	0132	0125	N24	W85	7848		1-	1 C	0125	.20				
HALE	09	0146	0151	0148	N24	W85	7848		1-	1 C	0148	.20				
HALE	09	0159	0208	0201	N20	E42	7845		1-	1 C	0201	.50	.60			
HALE	09	0304	0320	0306	N24	W85	7848	16	1	1 C	0306	.70				
TACH	09	0306	E 0711	D	N26	W86	7848	245	D	1	1 C 0306	1.90	14.20	4.10	70	AE
HALE	09	0333	0344	0337	N24	W85	7848		1-	1 C	0337	.20				H

SOLAR FLARES

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		START	END	MAX. PHASE	APPROX.		MCMATH PLAGE REGION				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.										
HALE	09	0410	0416	0413	N27	W89	7848		1-	1 C	0413	.30				
CATA	09	0545 E	0615 D	0610	N24	W88	7848		1-	2	0610	.40	1.96		145	EG
CAPS	09	0600 E	0640 D		N22	W85	7848	40 D	1+	2	0617	2.50			215	
CULG	09	0559	0651 D	0638	N22	E50	7847	52 D	3	P	0638	10.20	16.32			FH
CAPS	09	0600 E	0715		N22	E45	7847	75 D	2+	2	0655	4.00	6.00		204	FK
CATA	09	0600	0735	0641	N22	E47	7847	95	2+	2	0641	5.82	9.18		269	I
TACH	09	0602	0711	0639	N21	E49	7847	69	2	C	0639	3.50	5.60	3.40	130	E
MANI	09	0605 E	0720	0638	N21	E50	7847	75 D	1	2	0638	2.00	2.60			
ATHN	09	0626 E	0654 D		N23	E44	7847	28 D	1+	2		2.80	4.20			
ABST	09	0630 E	0710 D	0638	N22	E48	7847	40 D	2	S	0638	7.20	6.30			CEJ
KIEV	09	0638	0701		N20	E49	7847	23	3	C	0641	20.00	33.00		95	BI
CAPF	09	0652 E	0727		N19	E45	7847	35 D	2	2	0654	6.00	9.00			
CAPE	09	0712 E	0750		N21	E50	7847	38 D	1	P	0712	2.80	4.50			
IZMI	09	0706 E	0712 D		N22	W85	7848		1-	P	0706	.90	3.25		50	DH
CAPE	09	0712 E	0724		N25	W88	7848		1-	P	0712	.80				J
MEUD	09	0713 E	0716 D		N26	W90	7848		1-							
KAND	09	0720 E	0750	0744	N27	W88	7848	30 D	1							
MEUD	09	0736 E	0801 D		N26	W90	7848	25 D	1-							
IZMI	09	0739	0819 D	0745	N22	W85	7848	40 D	1	P	0739	.90	3.25		50	DH
CAPE	09	0740	0808	0743	N25	W88	7848	28	1	C	0743	.60				J
CAPS	09	0745 E	0800 D		N22	W85	7848	15 D	1+	2	0750	1.00			225	
KAND	09	0747	0802	0751	N29	W88	7848	15	1							
KAND	09	0814	0817		N29	W88	7848		1-							
CAPF	09	0747 E	0816		S09	W85	7840	29 D	1	2						H
MEUD	09	0834 E	0911 D		N26	W90	7848	37 D	1							
KAND	09	0838 E	0903		N28	W88	7848	25 D	1							
KAND	09	0905	0910		N28	W88	7848	5	1							
CAPE	09	0908	0922	0910	N24	E55	7847		1-	C	0910	.60	1.20			E
KAND	09	0910	0922		N27	E61	7847	12	1							
KAND	09	0910	0919		N18	E51	7845		1-							
KAND	09	0914	0933	0923	N28	W90	7848	19	1							
KAND	09	0946	1041		N28	W90	7848		1-							
KAND	09	1206	1242		N26	W90	7848		1-							
KAND	09	1250	1256		N26	W90	7848		1-							
CAPS	09	1512	1539		N21	W90	7848		1-	3	1520	.20			170	D
LOCK	09	1745	1800	1750	N26	W89	7848		1-	C	1750	.30	.90		10	HJ
LOCK	09	1817	1825	1820	N26	W89	7848		1-	C	1820	.30	.90		10	HJ
HALE	09	1851	1857	1854	N23	W90	7848		1-	1 C	1854	.30				H
HALE	09	1907	1913	1909	N23	W90	7848		1-	1 C	1909	.20				
HALE	09	1934	1947	1942	N24	W90	7848		1-	1 C	1942	.40				
MCMA	09	1943	1955	1948	N25	W90	7848		1-	1 C						
LOCK	09	1946 E	1946 D	1946	N26	W89	7848		1-	C	1946	.30	1.50		10	HJ
HALE	09	1948	2003	1949	N24	W90	7848		1-	1 C	1949	.20				HK
HALE	09		1956													
LOCK	09	1957 E	1957 D	1957	N26	W89	7848		1-	C	1946	.30	1.50		10	HJ
HALE	09	2041	2046 D	2045	N23	W90	7848		1-	1 P	2045	.30				
LOCK	09	2115	2138	2124	N26	W89	7848		1-	C	2124	.30	1.50		10	HJ
MCMA	09	2119 E	2131	2122	N25	W90	7848		1-	2 P						
MCMA	09	2214	2227 D	2219	N25	W90	7848		1-	2 P						
LOCK	09	2215	2230	2220	N26	W89	7848		1-	C	2220	.30	1.50		10	HJ
LOCK	10	0015	0055	0025	N26	W89	7848		1-	C	0025	.30	1.50		10	HJ

SOLAR FLARES

III

JUNE 1965

OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURATION MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	LAT.	MER. DIST.	MC-MATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _e	MAX. INT. °		
CAPE	10	0832	0855	0834	N22	E38	7847		1-	C	0834	1.00	1.30				
CAPE	10	0858	0924	0902	N22	E38	7847		1-	C	0902	1.40	1.90				
CAPS	10	0909	E 0935		N24	E40	7847	26	D	1	2	0911	1.70	2.30	166	F	
ARCE	10	0900	0935		S13	W90	7840	35	1	1	1	0915	.52	2.95			
KAND	10	0905	0952		S11	W90	7840	47	1								
KAND	10	1011	1027	1017	N24	W90	7848	16	1								
KAND	10	1034	1130		N24	W90	7848	56	1								
KAND	10	1138	1255		N27	W90	7848	17	1								
KAND	10	1152	1159		S11	W90	7840	7	1								
MCMA	10	1345	1409	1355	N22	E36	7847		1-	1	C	1355	.60	.80		S	
MCMA	10	1425	1433	1426	N22	E30	7847		1-	2	C	1426	.20	.30		D	
UCCL	10	1507	E 1512	D	N22	E38	7847		1-	4						E	
MCMA	10	1510	1502	1512	N24	E34	7847		1-	2	C	1512	.40	.50		S	
HALE	10	2005	2025	2009	N21	E27	7847		1-	1	C	2009	.50	.50			
LOCK	10	2043	2100	2051	N22	E32	7847		1-		C	2051	.20	.20	10	J	
LOCK	10	2228	2237	2231	N22	E15	7845		1-		C	2231	.30	.30	10		
HALE	10	2228	2240	2231	N22	E24	7847		1-	2	C	2231	.80	.80		F	
HALE	11	0054	0119	0058	N23	E31	7847		1-	1	C	0058	.40	.40			
LOCK	11	0055	0108	0058	N18	E25	7847		1-		C	0058	.30	.30	10		
HALE	11	0355	0415	D 0400	N22	E27	7847		1-	3	P	0400	.30	.30			
MCMA	11	1707	1715	1709	N24	E25	7847		1-	2	C	1709	.30	.40		S	
SACP	11	1707	1716	1710	N24	E22	7847		1-		C		.26	.27	16		
OTTA	11	1754	1800	D 1800	N21	E13	7847		1-	1	C	1756	.08	.08			
LOCK	11	2001	2015	2008	N23	E20	7847		1-		C	2008	.20	.20	10		
MCMA	11	2005	2015	2008	N24	E23	7847		1-	2	C	2008	.50	.60		LS	
HALE	11	2005	2018	2008	N22	E19	7847		1-	2	C	2008	.40	.40			
HUAN	11	2006	2012	2008	N23	E20	7847		1-		C	2008	.18	.21		D	
CATA	12	0637	0726	0706	N22	E10	7847		1-	4		0706	1.26	1.37	148	EGH	
CAPS	12	0701	0734		N22	E09	7847	33	1	3		0707	1.80	2.00	161	FG	
MCMA	12	1152	1215	1155	N23	E08	7847		1-	3	C	1159	.90	1.00		LSK	
OTTA	12	1153	1213	1200	N22	E05	7847		1-	2	C	1200	1.01	1.01		H	
CAPE	12	1154	1210	1157	N22	E06	7847		1-		C	1157	1.20	1.30			
KANZ	12	1556	E 1650		N20	E02	7847	54	D	1						GL	
SACP	12	1746	1918	1804	N22	E01	7847	92	1		C		2.37	2.36	20		
HALE	12	1748	1815	D 1753	N22	E04	7847	27	D	1	3	P	1753	3.10	3.10		FK
HALE	12			1754													
HUAN	12	1748	1827	1753	N22	E03	7847		1-		C	1753	.83	.90		EHK	
HUAN	12			1802													
MCMA	12	1748	1925	1758	N23	E03	7847	97	1	3	C	1758	2.00	2.20		FST	
HALE	12	1840	1854	D 1848	N19	E00	7847		1-	1	P	1848	.50	.50			
HALE	12	1926	1937		N26	E06	7847		1-	1	P	1932	.20	.20			
KODA	13	0130	0135	NO FLARE	PATROL			59	1+		V	0324	3.90	4.21			
TACH	13	0257	0356	0306	N23	W02	7847				C	0327	6.60	7.10	2.50	110	EH
TACH	13	0258	E 0506	0309	N24	E00	7847	128	D	2							
TACH	13			0327													
TACH	13			0343													
MANI	13	0300	E 0430	0320	N21	W09	7847	90	D	1	2	0326	2.10	2.10			
HALE	13	2318	2343	2331	N21	W14	7847		1-	2	C	2331	.60	.60			

SOLAR FLARES

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		MOMENT FLARE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %	
					LAT.	MER. DIST.										
LOCK	13	2320	0020	2335	N23	W13	7847		1-	C	2335	.50	.50		10	
HALE	13	2333	2341	2335	N22	W15	7847		1-	2 C	2335	.40	.40			
HALE	13	2352	0023	0007	N22	W14	7847		1-	1 C	0007	.50	.50			
MANI	13	2357 E	0020		N21	W15	7847		1-	2	2358	.40	.40			
SACP	14	0000 E	0020 U	0000 E	N22	W14	7847		1-	P		.52	.53		17	
CATA	14	1028 E	1057	1033	N20	W22	7847		1-	4	1033	1.22	1.39		155	D
SACP	14	1554	1606	1558	N23	W24	7847		1-	C		.43	.45		17	
MCMA	14	1554	1607	1555	N23	W24	7847		1-	2 C	1555	.30	.30			S
LOCK	14	1700	1915	1745	N17	E13			1-	C	1745	.20	.20		10	
LOCK	15	0020	0032	0025	N26	E53	7858		1-	C	0025	.20	.20		10	
ATHN	15	0744 E	0801 D		S21	E28	7860	17 D	1+	2						
BUCA	15	0735	0830		N22	W30	7847	55	1	2			4.80			GL
WEND	15	0736	0826		N23	W27	7847	50	2				9.00			
CATA	15	0737 E	0840 D	0744	N22	W30	7847	63 D	1	2	0744	2.60	3.17		170	EG
ZURI	15	0740 E	0817		N23	W30	7847	37 D	1							
CAPS	15	0740 E	0902		N22	W30	7847	82 D	1	3	0751	2.20	2.80		182	CFGHKL
KODA	15	0747 E	0807 D		N23	W28	7847		1-	P	0747	1.61	1.92			
MANI	15	0801	0820	0805	N21	W32	7847		1-	2	0805	.50	.55			
ARCE	15	0805 E	0828 D		N22	W32	7847		1-	2	0814	.92	1.17			
ARCE	15	0814 E	0849 D		N21	W28	7847		1-	2	0836	.69	.83			
KANZ	15	0830 E	0840 D		N20	W32	7847	10 D	1							BAGH
BUCA	15	0832 E	0912 D		N20	W33	7847	40 D	1	2			2.80			G
ARCE	15	0836	0932		N22	W32	7847		1-	2	0842	.56	.71			
UCCL	15	0857 E	0916 D		N23	W30	7847		1-	2						BE
UCCL	15	1128 E	1155		N23	W30	7847		1-	3						D
CAPS	15	1140 E	1200		N22	W30	7847		1-	3	1145	1.30	1.60		157	CDG
OTTA	15	1157 E	1219		N22	W32	7847		1-	1 C	1157	.71	.78			B
OTTA	15	1212	1235 D		N23	W37	7847		1-	1 C	1224	.18	.20			
HALE	15	1929	1953	1932	N22	W39	7847		1-	2 C	1932	.20	.20			
HALE	15	2045 E	2107	2046	N09	W47	7862		1-	1 P	2046	.20	.20			
OTTA	16	1037	1044	1037	N07	W07			1-	1 C	1037	.12	.12			
OTTA	16	1125	1140 D		N31	W29	7847		1-	1 C	1130	.24	.27			F
SACP	16	1402	1409 D	1408	N22	W49	7847		1-	P		.35	.45		18	
OTTA	16	1402	1425	1408	N21	W47	7847		1-	1 C	1408	1.56	1.95			H
MCMA	16	1405	1415 D	1409	N23	W40	7847		1-	2 P	1409	.20	.40			
OTTA	16	1422	1428	1424	N32	W30	7847		1-	1 C	1424	.15	.17			
HALE	16	1633	1640	1635	N21	W58	7845		1-	3 P	1635	.20	.30			E
CATA	17	0605 E	0615 D	0608	S27	W11	7863		1-	5	0608	.48	.55		117	EGH
ARCE	17	0813 E	0850 D		S29	W09	7863		1-	2	0815	.72	.85			
MCMA	17	1131	1157	1139	N24	W58	7847	26	1	2 C	1139	1.00	2.00			SK
CAPE	17	1136	1158	1140	N25	W60	7847	22	1	C	1140	1.40	2.90			
MCMA	17	1255	1320	1258	S29	W11	7863		1-	2 C	1258	.40	.50			E
CAPS	17	1311 E	1312 D		S30	W10	7863		1-	1						
MCMA	17	1415	1445		S29	W10	7863		1-	2 C	1425	.30	.40			EH
MCMA	17	1515	1800 D		S29	W09	7863		1-	1 C	1730	.50	.60			DHK
SACP	17	1610	1633	1623	S28	W12	7863		1-	C		.26	.27		18	
HUAN	17	1616	1638	1623	S27	W15	7863		1-	C	1623	.15	.18			D

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %		
LOCK	18	0110	0130	D	0120	N27	E89	7867		1-	C	0120	.20	.60			
KODA	18	0330	E	0340	D	S28	W22	7863		1-	P	0340	1.30	1.60			
CULG	18	0530		0542		N24	W70	7847	12	1	C	0535	1.40	4.20			G
CAPS	18	0620		0633		S29	W20	7863		1-		0625	.80	1.00			O
CAPS	18	0650	E	0703		S29	W20	7863		1-	3	0653	1.30	1.60			D
CAPS	18	0728		0740	D	S29	W20	7863		1-	3	0730	1.50	1.80			D
ARCE	18	0806	E	0838	D	S29	W22	7863		1-	3	0806	1.31	1.66			
ARCE	18	0901	E	1000	D	S29	W22	7863		1-	3	0901	1.34	1.70			
WEND	18	1035	E	1110	D	N25	W65	7847	35	D	1+			8.00			
CAPE	18	1037		1052		N26	W69	7847	15	1	C	1041	1.40				
CAPS	18	1037	E	1100		N20	W70	7847		1-	3	1044	.70	2.00			EGH
CAPE	18	1141		1214		N23	W76	7847	33	1	C	1151	.70				
CAPS	18	1143		1217		N20	W70	7847	34	1	3	1152	.90	2.70			GJ
OTTA	18	1316	E	1329	D	N33	E79	7867		1-	1 C	1318	.12	.29			
MCMA	18	1430		1515		N32	E80	7867		1-	2 C	1452	.40				EK
HUAN	18	1843		1856		S28	W30	7863		1-	C	1848	.15	.20			D
HUAN	18	1906		1923		S28	W30	7863		1-	C	1914	.15	.20			D
HUAN	18	2012		2028		S28	W30	7863		1-	C	2020	.15	.20			D
CLMX	18	2015		2030	D	S27	W28	7863		1-	C	2018	.30	.33			
MCMA	18	2015		2034		S29	W22	7863		1-	1 P	2021	.20	.30			DH
HALE	18	2133		2136		N20	W90	7845		1-	1 C	2134	.10				
ARCE	19	0800	E	0847	D	S29	W36	7863	47	D	1	0841	1.41	2.03			
ARCE	19	0904				S29	W36	7863		1-	2	0904	.98	1.41			
LOCK	19	2012		2021		N33	W01	7859		1-	C	2017	.20	.20			10
LOCK	19	2315		2347		N05	E42			1-	C	2325	.20	.20			10
HALE	20	0155		0216		N29	E56	7867		1-	2 C	0202	.40	.60			
HALE	20	0226		0233		N29	E56	7867		1-	2 C	0229	.40	.60			
HALE	20	0231		0313		S28	W46	7863		1-	2 C	0235	.60	.80			
CATA	20	0545	E	0630	D	S28	W46	7863		1-	3	0558	.46	.76			141
KANZ	20	0747	E	0752	D	S26	W49	7863		1-							E
CAPE	20	0853		0906		S27	W50	7863		1-	C	0856	.70	1.30			D
OTTA	20	1035		1041		S28	W51	7863		1-	2 C	1038	.54	.76			J
CAPE	20	1042		1101		S27	W50	7863	19	1	C	1048	1.20	2.30			
OTTA	20	1046		1053		S29	W51	7863		1-	2 C	1046	1.08	1.51			D
KANZ	20	1051	E	1054	D	S26	W50	7863		1-							
OTTA	20	1059		1101		N30	E52	7867		1-	2 C	1100	.16	.21			
OTTA	20	1114		1119		S28	W52	7863		1-	1 C	1115	.36	.52			
OTTA	20	1250		1301		S27	W51	7863		1-	2 C	1252	.42	.60			
MCMA	20	1252		1257	D	S28	W53	7863		1-	1 P	1254	.50	1.00			E
CAPE	20	1252		1304		S27	W52	7863		1-	C	1255	.90	1.70			J
SACP	20	1325		1336		S28	W53	7863		1-	C		.35	.51			18
CAPE	20	1325		1346		S27	W52	7863	21	1	C	1330	1.10	2.10			J
OTTA	20	1327		1331		S27	W53	7863		1-	2 C	1329	.84	1.19			
CAPS	20	1329		1335		S28	W46	7863		1-	3	1330	.80	1.20			157
HUAN	20	1338	E	1407	D	S27	W55	7863		1-	P	1345	.15	.29			D
HALE	20	1724		1740		S28	W59	7863		1-	1 C	1731	.40	.60			
HUAN	20	1819		1835		S27	W56	7863		1-	C	1827	.15	.29			D
HUAN	20	1918		1938		S27	W56	7863		1-	C	1926	.20	.38			D
LOCK	20	2059		2118		S01	E07			1-	C	2105	.20	.20			10

SOLAR FLARES

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX.		McMATH FLARE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
					LAT.	MER. DIST.											
HUAN	20	2137	2216	2201	S27	W57	7863		1-	C	2201	.30	.57			D	
HALE	20	2154	2206 D	2158	S28	W59	7863		1-	1 P	2158	.60	1.00				
CLMX	20	2154	2216	2158	S26	W56	7863		1-	C	2158	.60	.90				
LOCK	20	2240	2305	2246	S32	W55	7863		1-	C	2246	.20	.30		10	H	
CULG	20	2242	2250	2246	S32	W54	7863		1-	C	2246	.20	.40			C	
CATA	21	0548 E	0620 D	0553	S29	W60	7863		1-	2	0553	.42	.86		170	E	
ONDR	21	0550 E	0558		S20	W60	7863		1-	3	0554			2.10		CDGH	
ABST	21	0550 E	0558 D	0552	S27	W63	7863	8 D	1	S	0552	2.00	2.70			D	
ONDR	21	0627	0704	0632	S20	W60	7863		1-	3	0632			2.00		JCDGHK	
BUCA	21	0630 E	0639 D		S28	W70	7863		1-	2			1.20				
CAPE	21	0653 E	0718		S28	W62	7863		1-	P	0653	.70	1.70			J	
HALE	21	1755	1810	1802	S27	W70	7863		1-	1 C	1802	.40	.80				
HALE	21	1848	1920	1853	S30	W70	7863		1-	1 C	1853	.20	.40				
	22	0400	0420	NO FLARE	PATROL												
CATA	22	0640 E	0650 D	0645	S37	W03	7869		1-		0645	.96	1.25		123	E	
CAPE	22	0805	0817	0810	S27	W77	7863		1-	C	0810	.60				J	
KANZ	22	0807 E	0828 D		S26	W72	7863	21 D	1-							D	
CAPE	22	0832	0848	0834	S27	W77	7863		1-	C	0834	.40				J	
ARCE	22	0835	0905 D		S29	W78	7863		1-	3	0835	.26	.83			J	
KANZ	22	0837 E	1041 D		S27	W71	7863	124 D	1+							E	
WEND	22	0843	1050 D	0902	S26	W79	7863	127 D	1+				7.00			E	
CAPE	22	0917	1047	0926	S27	W78	7863	90	1+	C	0926	.90				J	
ARCE	22	0920 E	1000 D		S29	W78	7863		1-	3	0925	.23	.74				
WEND	22	0903 E	0913 D		N29	E23	7867		1-								
WEND	22	0917 E	0931 D		N29	E23	7867		1-								
WEND	22	0948 E	1038 D		N19	E22	7867		1-								
MCMA	22	1106 E	1220		S29	W85	7863		1-	2 P	1107	.80				BE	
CAPE	22	1135	1204	1139	S29	W80	7863		1-	C	1139	.60				J	
CAPS	22	1204 E	1223		S28	W75	7863	19 D	1	3	1206	1.00	5.00		182	EG	
KAND	22	1210 E	1235		S27	W90	7863	25 D	2								
CLMX	22	1217 E	1232 D		S25	W84	7863		1-	C	1217	.50	1.40				
KAND	22	1225 E	1315	1225	N34	E08	7870	50 D	1								
KAND	22	1237	1319	1255	S25	W88	7863	42	1								
CLMX	22	1240 E	1315		S25	W90	7863	35 D	1	C	1304	.70	3.50				
KAND	22	1256	1319	1300	S30	W90	7863		1-								
KANZ	22	1346	1654 D		S29	W74	7863	188 D	1+								
	22	2340		NO FLARE	PATROL												
	23	0000	0050	NO FLARE	PATROL												
HALE	23	0103	0112	0105	S26	W90	7863		1-	1 C	0105	.10					
HALE	23	0129	0157	0139	S26	W90	7863		1-	1 C	0139	.30				H	
HALE	23	0220	0250	0229	S26	W90	7863		1-	1 C	0229	.10				HK	
HALE	23			0235													
HALE	23	0334 E	0358	0337	S26	W90	7863		1-	2 P	0337	.40					
HALE	23	0403	0428 D	0409	S26	W90	7863		1-	2 P	0409	.40					
HALE	23	0416	0419	0417	S29	W90	7863		1-	2 C	0417	.10					
KAND	23	0805	0822		S24	W90	7863		1-								
KAND	23	0821	1205 D	0833	S31	W90	7863	224 D	2-								
KAND	23	0830	0915		S24	W90	7863		1-								

SOLAR FLARES

VIII

JUNE 1965

OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX.		M-MATH PLAGE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %		
					LAT.	MER. DIST.											
KAND	23	0839	1205	D	S28	W90	7863	206	D	2							
ARCE	23	0855	0910	D	S30	W90	7863			1-	2	0855	.23	1.31			
ARCE	23	0857	0910	D	S27	W90	7863	13	D	1	2	0857	.36	2.05			
KAND	23	0919	0943		S24	W90	7863			1-							
CAPF	23	0923	0937	D	S28	W90	7863			1-	2						
ARCE	23	0950	1000	D	S27	W90	7863	10	D	1	2	1000	.59	3.35			
KAND	23	0952	0958		S24	W90	7863			1-							
KAND	23	1005	1042		S23	W90	7863			1-							
CAPE	23	1032	1108		S28	W90	7863	36		1	C	1050	.60				
KAND	23	1044	1101		S23	W90	7863			1-							
KAND	23	1113	1125		S23	W90	7863			1-							
KAND	23	1134	1142		S23	W90	7863			1-							
CAPF	23	1418	1427	D	S28	W90	7863			1-	2						
HALE	23	1840	1859		S30	W90	7863			1-	2 C	1850	.20				
ARCE	24	0900	0930	D	N24	E90	7873	30	D	1	2	0920	.39	2.22			
KAND	24	0904	0906		N30	E90	7873			1-							
	24	2245	2250	NO FLARE	PATROL												
KAND	25	0842	0846	0844	N35	W67	7859			1-							
UCCL	25	0855	0900		N28	E85	7878				3					D	
ARCE	25	0910	0925	D	N32	E87	7878			1-	3	0915	.18	.83		D	
UCCL	25	0912	0917		N28	E85	7878				3					D	
KAND	25	0913	0924	0915	N40	W90	7857			1-							
KANZ	25	1018	1035	D	N30	E82	7878	17	D	1						D	
WEND	25	1056	1111	D	N28	E76	7878	15	D	1							
OTTA	25	1101	1109	1107	N31	E85	7878			1-	2 C	1107	.18	3.00			
OTTA	25	1207	1220	1213	N29	E69	7873			1-	1 C	1213	.15	.28			
OTTA	25	1201	1250	1210	N31	E80	7878			1-	1 C	1210	.11				
OTTA	25		1244								1 C	1244	.24				
MCMA	25	1232	1248	1233	N31	E85	7878			1-	1 C	1233	.10			D	
OTTA	25	1258	1347	1336	N29	E79	7878			1-	1 C	1336	.11	.25			
OTTA	25	1303	1349	1313	N31	E85	7878			1-	2 C	1313	.30	.83			
OTTA	25	1355	1431	1402	N30	E82	7878			1-	2 C	1402	.30	.75			
KANZ	25	1412	1433		N30	E80	7878			1-						D	
MCMA	25	1416	1428	1419	N31	E85	7878			1-	1 C	1419	.20			D	
SACP	25	2111	2120	U 2114	N30	W19	7867			1-	C		.57	.60		18	
	25	2350	2400	NO FLARE	PATROL												
	26	0120	0300	NO FLARE	PATROL												
ARCE	26	0845	0900		N33	E73	7878			1-	3	0845	.43	1.14			
MCMA	26	1746	1759		N24	E50	7873			1-	2 C	1750	.20	.40		D	
OTTA	26	1747	1758	D 1750	N27	E52	7873			1-	2 C	1750	.12	.16			
MCMA	26	2015	2125		N24	E50	7873			1-	2 C	2030	.20	.40			
MCMA	26	2232	2241	D 2234	N23	E48	7873			1-	2 P	2234	.30	.60		D	
LOCK	26	2232	2250	2237	N23	E46	7873			1-	C	2237	.30	.30		10	
SACP	26	2234	2242	2238	N24	E47	7873			1-	C		.35	.44		17	
LOCK	27	2105	2140	2112	N31	E37	7873			1-	C	2112	.10	.10		10	
ONDR	28	1017	1134		N32	E43	7878	77		2	2	1035			2.50	CFHI	

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION — MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		McMATH FLAGE REGION				TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.										
UCCL	28	1019	1105	1029	N30	E41	7878	46	2	3	1029	6.00	8.00			K
MEUD	28	1020	1055	1027	N30	E40	7878	35	1		1027	3.60	5.10			
CATA	28	1020 E	1130	1027	N33	E36	7878	70 D	2+	2	1027	3.76	5.62		246	I
LOCA	28	1020	1148	1025	N30	E41	7878	88	2	P	1129		5.00			
CAPS	28	1021 E	1123		N32	E40	7878	62 D	1+	3	1026	2.50	3.75		254	CFK
KHAR	28	1023 E	1052		N31	E37	7878	29 D	1	P	1035	3.40	4.80	1.80		CD
CAPF	28	1050 E	1122 D		N29	E40	7878	32 D	1	3	1054	3.00	4.23			
HERS	28	1055 E	1112 D	1055	N32	E44	7878		1-	2	1102	.60	1.10			E
MCMA	28	1107 E	1146		N29	E46	7878		1-	2 P	1108	1.00	1.40			BS
KAND	28	1218	1302	1235	N15	W90		44	1							
LOCK	28	1610	1700	1620	N32	E44	7878		1-	C	1620	.20	.20		10	
KAND	29	0820	0826		S18	E90			1-							
KAND	29	0820	0830		S11	E90			1-							
KAND	29	0846	0903		N04	E90			1-							
KAND	29	0916	0927		S18	E90			1-							
KAND	29	0917	0925		N06	E90			1-							
KANZ	29	1632 E	1642 D		N31	E29	7878	10 D	1							H
KANZ	29	1720 E	1722 D		N31	E29	7878	2 D	1							H
ONDR	30	0542	0608		N31	E06	7873		1-	3	0552			1.70		CEGH
LOCK	30	2016	2040	2024	N21	W06	7873		1-	C	2024	1.00	1.00		10	
MCMA	30	2022 E	2045 D		N23	W06	7873	23 D	1	1 P	2023	2.20	2.40			F

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS		
		START	END	MAX. PHASE	APPROX.		M-MATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %			
					LAT.	MER. DIST.												
CATA	01	0600	E	0640	D	0629	S10	E36	7840		1-	2	0629	.12	.15		126	DGH
CATA	01	0800	E	1030	D	0940	S10	E36	7840		1-	2	0940	.62	.78		136	EH
ARCE	01	0812	E	0815	D		S09	E35	7840		1-	3	0812	.39	.48			
KAND	01	1152	E	1204			S10	E39	7840		1-							
MCMA	01	1300		1315			S12	E28	7840		1-	1	1305	.30	.30			EHT
HUAN	01	1630	E	1649	D		S11	E29	7840		1-		1630	.18	.21			DF
MCMA	01	1803		1830		1810	S12	E28	7840		1-	1	1810	.40	.50			EH
MCMA	01	2010		2035		2025	S12	E30	7840		1-	1	2025	.20	.20			DH
CATA	02	0635	E	1039	D	0637	S08	E24	7840		1-	3	0637	.42	.46		140	E
KAND	02	0825		0842			S10	E24	7840		1-							
ARCE	02	0910	E	1010	D		S09	E22	7840		1-	3	0910	1.01	1.11			
KAND	02	1218	E	1226			S10	E18	7840	8	D	1						
KAND	02	1223		1247			S11	E19	7840	24	1+							
HUAN	02	1237		1244		1240	S11	E18	7840		1-		1240	.18	.20			DF
KAND	02	1302		1318			S11	E19	7840	16	1							
HUAN	02	1335		1341		1337	S11	E18	7840		1-		1337	.25	.27			DF
CAPS	02	1337	E	1349	D		S10	E23	7840	12	D	2	1345	1.80	2.00		194	E
KANZ	02	1420	E	1428			S10	E22	7840		1-							DH
KANZ	02	1521	E	1525	D		S10	E22	7840		1-							D
HALE	02	2014		2030		2017	S11	E16	7840		1-	2	2017	.60	.60			
KAND	03	0901		0918		0905	S12	E12	7840		1-							
CATA	03	0937	E	1032	D	0937	S09	E08	7840		1-	3	0937	.44	.45		138	E
KAND	03	1150		1154			S12	E09	7840		1-							
KAND	03	1154		1229			S10	E07	7840	35	1							
KAND	03	1158		1205			S11	E07	7840		1-							
MCMA	03	1217		1241		1230	S26	W85	7841		1-	2	1230	.30				D
KAND	03	1223		1230			S10	E03	7840		1-							
KAND	03	1226		1236			N33	W90		10	1							
KAND	03	1235		1250	D		S12	W17	7842		1-							
SACP	03	1415		1440		1419	S10	E02	7840		1-			.26	.25		18	
MCMA	03	1415		1441		1418	S10	E04	7840		1-	1	1418	.30	.30			E
SACP	03	1538		1555		1544	S12	W22	7842		1-			.35	.35		19	
HUAN	03	1540		1557		1545	S11	W20	7842		1-		1545	.15	.16			D
MCMA	03	1543		1610		1544	S12	W22	7842		1-	2	1544	.20	.20			DH
HALE	03	1736		1743		1740	S12	W22	7842		1-	2	1740	.30	.30			H
SACP	03	1744		1755		1748	S06	W04	7840		1-			.26	.25		18	
HALE	03	1746		1750		1747	S12	W22	7842		1-	3	1747	.20	.20			H
HALE	03	1755		1809		1802	S13	W23	7842		1-	3	1802	.20	.20			
SACP	03	1934		1943		1940	S12	E03	7840		1-			.39	.38		19	
HALE	03	1937		1941		1940	S12	E03	7840		1-	2	1940	.80	.80			
MCMA	03	2213		2221		2216	S12	W04	7840		1-	2	2216	.20	.20			DH
LOCK	03	2213		2224		2216	S12	W04	7840		1-			.30	.30		10	H
SACP	03	2213		2226		2217	S11	W03	7840		1-			.52	.51		19	
LOCK	03	2306		2311		2308	S13	E01	7840		1-		2308	.40	.40		10	
LOCK	03	2344		2352		2346	S12	W04	7840		1-		2346	.30	.30		10	H
BUCA	04	0624		0638			S11	W30	7842		1-	2			.60			
HALE	04	1915		1940		1926	S13	W37	7842		1-	3	1926	.10	.10			E
MCMA	04	1922		2205		1930	S10	W32	7842		1-	2	1930	.40	.40			EF

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION APPROX.			DURATION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	LAT.	MER. DIST.	McMATH PLAGE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %		
MCMA	05	1345	1440	1403	S12	W25	7840		1-	2 C	1403	.50	.60			E	
SACP	05	1807	1834	1813	S12	W50	7842		1-	C		1.58	2.01		22		
HALE	06	0039	0050	0042	S13	W56	7842		1-	2 C	0042	.30	.40				
HALE	06	0150	0210	0152	S13	W56	7842		1-	2 C	0152	.10	.10			D	
IKOM	06	0630	0649		N20	E90	7845		1-	V						DO	
CATA	06	0630	0730	0703	N18	E84	7845	60	2	3	0703	2.24	9.14		159	G	
CAPS	06	1325	1345		S10	W57	7842		1-	3	1333	.40	.90		182	D	
SACP	06	1327	1344	1331	S11	W61	7842		1-	C		.52	.79		18		
MCMA	06	1330	1342	1333	S12	W62	7842		1-	2 C	1333	.40	.90			S	
HALE	06	1804	1812	1806	S12	W65	7842		1-	2 C	1806	.30	.50				
MCMA	06	1805	1830	1809	S12	W64	7842		1-	2 C	1809	.40	.90			S	
HALE	06	2358	0009	0001	S13	W52	7842		1-	2 C	0001	.10	.10			E	
KAND	07	0906	0918		S12	W50	7840		1-								
KAND	07	0906	0928		S14	W54	7840		1-								
WEND	07	0915	E 0932	D	S10	W42	7840		1-								
KAND	07	0931	0950		S14	W54	7840		1-								
KAND	07	0937	0946		N20	E62	7845	9	1								
BUCA	07	1033	E 1057	D	N12	W45		24	D	1	1		3.20				
KAND	07	1029	1100	1035	S14	W48	7840	31	2								
KAND	07	1033	1100	1035	S11	W44	7840	27	1+								
KAND	07	1039	E 1054	D	S12	W49	7840		1-								
CAPS	07	1042	E 1106		S13	W48	7840	24	D	1	2	1045	2.00	3.00		185	F
WEND	07	1043	E 1100	D	S12	W46	7840	17	D	1+			5.00				
SACP	07	1558	1607	1600	N23	E73	7847		1-	C		.35	.74		20		
SACP	07	2013	2028	2019	N21	E64	7847		1-	C		.26	.44		19		
SACP	07	2101	2110	2105	N27	W61	7848		1-	C		.17	.28		18		
HALE	07	2102	2111	2104	N27	W60	7848		1-	2 C	2104	.30	.50				
HALE	07	2124	2203	2131	S13	W85	7842		1-	1 C	2131	.10					
HALE	08	0045	0145	0055	N20	E65	7847		1-	2 C	0055	.80	1.40				
MANI	08	0047	E 0107	0054	N19	E65	7847		1-	1	0054	.33	.56				
HALE	08	0229	0355	0248	N21	E63	7847		1-	2 C	0248	1.00	1.50			FK	
HALE	08			0318													
CATA	08	0730	E 0851	D 0759	N25	W65	7848		1-	3	0759	.42	.84		138	E	
KAND	08	0935	0941		S13	W90	7842		1-								
BUCA	08	0951	E 1032	D	N23	E59	7847		1-	2			1.20			H	
KANZ	08	1450	E 1458	D	N25	W70	7848		1-							D	
MCMA	08	1517	1530		N23	E63	7847		1-	1 C	1520	.10	.20			E	
MCMA	08	1640	1710	1648	N23	E63	7847		1-	1 C	1700	.40	.80			EHK	
HALE	08	1659	E 1724	1702	N20	E59	7847		1-	2 P	1702	.90	1.40				
HALE	08	1659	E 1724	1712	N25	W75	7848		1-	2 P	1712	.20	.50				
HALE	08	1728	1739	1733	N25	W80	7848		1-	2 C	1733	.10					
HALE	08	1943	2009	1947	N20	E52	7847		1-	1 C	1947	.60	.80				
HALE	08	2226	2234	2229	N22	W85	7848		1-	1 C	2229	.20				H	
HALE	08	2238	2321	2244	N20	E52	7847	43	1	1 C	2244	2.20	3.10			FK	
HALE	08			2250													
MCMA	08	2239	2242	D	N23	E60	7847	3	D	1	1 P	2242	1.20	2.40			S
IKOM	08	2244	2303	D	N22	E50	7847	19	D	1	V	2248	1.20	2.10	1.58	96	DH
HALE	08	2302	2322	2309	N25	W85	7848	20	1	1 C	2309	.80					

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX.		MAGNITH PLACE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %		
					LAT.	MER. DIST.											
HALE	08	2324	2338	2327	N24	W85	7848		1-	1 C	2327	.30					
HALE	09	0004	0009	0007	N24	W85	7848		1-	1 C	0007	.20					
HALE	09	0010	0030	0017	N24	W85	7848		1-	1 C	0017	.70					
HALE	09	0114	0119	0117	N24	W85	7848		1-	1 C	0117	.10					
HALE	09	0123	0132	0125	N24	W85	7848		1-	1 C	0125	.20					
HALE	09	0146	0151	0148	N24	W85	7848		1-	1 C	0148	.20					
HALE	09	0159	0208	0201	N20	E42	7845		1-	1 C	0201	.50	.60				
HALE	09	0304	0320	0306	N24	W85	7848	16	1	1 C	0306	.70					
HALE	09	0333	0344	0337	N24	W85	7848		1-	1 C	0337	.20				H	
HALE	09	0410	0416	0413	N27	W89	7848		1-	1 C	0413	.30					
CATA	09	0545	0615	0610	N24	W88	7848		1-	2	0610	.40	1.96		145	EG	
CAPS	09	0600	0640	D	N22	W85	7848	40 D	1+	2	0617	2.50			215		
CAPS	09	0600	0715	E	M22	E45	7847	75 D	2+	2	0655	4.00	6.00		204	FK	
CATA	09	0600	0735	0641	N22	E47	7847	95	2+	2	0641	5.82	9.18		269	I	
MANI	09	0605	E	0720	0638	N21	E50	7847	75 D	1	2	0638	2.00	2.60			
MEUD	09	0713	E	0716	D	N26	W90	7848		1-							
KAND	09	0720	E	0750	0744	N27	W88	7848	30 D	1							
MEUD	09	0736	E	0801	D	N26	W90	7848	25 D	1-							
CAPS	09	0745	E	0800	D	N22	W85	7848	15 D	1+	2	0750	1.00			225	
KAND	09	0747		0802	0751	N29	W88	7848	15	1							
KAND	09	0814		0817		N29	W88	7848		1-							
MEUD	09	0834	E	0911	D	N26	W90	7848	37 D	1							
KAND	09	0838	E	0903		N28	W88	7848	25 D	1							
KAND	09	0905		0910		N28	W88	7848	5	1							
KAND	09	0910		0919		N18	E51	7845		1-							
KAND	09	0910		0922		N27	E61	7847	12	1							
KAND	09	0914		0933	0923	N28	W90	7848	19	1							
KAND	09	0946		1041		N28	W90	7848		1-							
KAND	09	1206		1242		N26	W90	7848		1-							
KAND	09	1250		1256		N26	W90	7848		1-							
CAPS	09	1512		1539		N21	W90	7848		1-	3	1520	.20		170	D	
LOCK	09	1745		1800	1750	N26	W89	7848		1-	C	1750	.30		10	HJ	
LOCK	09	1817		1825	1820	N26	W89	7848		1-	C	1820	.30	.90	10	HJ	
HALE	09	1851		1857	1854	N23	W90	7848		1-	1 C	1854	.30			H	
HALE	09	1907		1913	1909	N23	W90	7848		1-	1 C	1909	.20				
HALE	09	1934		1947	1942	N24	W90	7848		1-	1 C	1942	.40				
MCMA	09	1943		1955	1948	N25	W90	7848		1-	1 C						
LOCK	09	1946	E	1946	D	1946	N26	W89	7848	1-	1 C	1946	.30	1.50		10	HJ
HALE	09	1948		2003	1949	N24	W90	7848		1-	1 C	1949	.20				
HALE	09			1956													
LOCK	09	1957	E	1957	D	1957	N26	W89	7848	1-	C	1946	.30	1.50		10	HJ
HALE	09	2041		2046	D	2045	N23	W90	7848	1-	1 P	2045	.30				
LOCK	09	2115		2138	2124	N26	W89	7848		1-	C	2124	.30	1.50		10	HJ
MCMA	09	2119	E	2131	2122	N25	W90	7848		1-	2 P						
MCMA	09	2214		2227	D	2219	N25	W90	7848	1-	2 P						
LOCK	09	2215		2230	2220	N26	W89	7848		1-	C	2220	.30	1.50		10	HJ
LOCK	10	0015		0055	0025	N26	W89	7848		1-	C	0025	.30	1.50		10	HJ
ARCE	10	0900		0935		S13	W90	7840	35	1	1	0915	.52	2.95			
KAND	10	0905		0952		S11	W90	7840	47	1							
CAPS	10	0909	E	0935		N24	E40	7847	26 D	1	2	0911	1.70	2.30		166	F

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OBSERVATORY	DATE JUNE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	GEOGRAPHIC PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
KAND	10	1011	1027	1017	N24	W90	7848	16	1								
KAND	10	1034	1130		N24	W90	7848	56	1								
KAND	10	1138	1255		N27	W90	7848	17	1								
KAND	10	1152	1159		S11	W90	7840	7	1								
MCMA	10	1345	1409	1355	N22	E36	7847		1-	1 C	1355	.60	.80			S	
MCMA	10	1425	1433	1426	N22	E30	7847		1-	2 C	1426	.20	.30			D	
MCMA	10	1510	1502	1512	N24	E34	7847		1-	2 C	1512	.40	.50			S	
HALE	10	2005	2025	2009	N21	E27	7847		1-	1 C	2009	.50	.50				
LOCK	10	2043	2100	2051	N22	E32	7847		1-	C	2051	.20	.20			J	
LOCK	10	2228	2237	2231	N22	E15	7845		1-	2 C	2231	.30	.30		10		
HALE	10	2228	2240	2231	N22	E24	7847		1-	2 C	2231	.80	.80			F	
HALE	11	0054	0119	0058	N23	E31	7847		1-	1 C	0058	.40	.40				
LOCK	11	0055	0108	0058	N18	E25	7847		1-	C	0058	.30	.30		10		
HALE	11	0355	0415	0400	N22	E27	7847		1-	3 P	0400	.30	.30				
MCMA	11	1707	1715	1709	N24	E25	7847		1-	2 C	1709	.30	.40			S	
SACP	11	1707	1716	1710	N24	E22	7847		1-	C		.26	.27		16		
LOCK	11	2001	2015	2008	N23	E20	7847		1-	C	2008	.20	.20		10		
MCMA	11	2005	2015	2008	N24	E23	7847		1-	2 C	2008	.50	.60			LS	
HALE	11	2005	2018	2008	N22	E19	7847		1-	2 C	2008	.40	.40				
HUAN	11	2006	2012	2008	N23	E20	7847		1-	C	2008	.18	.21			D	
CATA	12	0637	0726	0706	N22	E10	7847		1-	4	0706	1.26	1.37		148	EGH	
CAPS	12	0701	0734		N22	E09	7847	33	1-	3	0707	1.80	2.00		161	FG	
MCMA	12	1152	1215	1155	N23	E08	7847		1-	3 C	1159	.90	1.00			LSK	
KANZ	12	1556	1650		N20	E02	7847	54	D	1						GL	
SACP	12	1746	1918	1804	N22	E01	7847	92	1	C		2.37	2.36		20		
HALE	12	1748	1815	1753	N22	E04	7847	27	D	1	3 P	1753	3.10	3.10			FK
HALE	12		1754														
HUAN	12	1748	1827	1753	N22	E03	7847		1-	C	1753	.83	.90			EHK	
HUAN	12		1802														
MCMA	12	1748	1925	1758	N23	E03	7847	97	1	3 C	1758	2.00	2.20			FST	
HALE	12	1840	1854	1848	N19	E00	7847		1-	1 P	1848	.50	.50				
HALE	12	1926	1937		N26	E06	7847		1-	1 P	1932	.20	.20				
MANI	13	0300	0430	0320	N21	W09	7847	90	D	1	2	0326	2.10	2.10			
HALE	13	2318	2343	2331	N21	W14	7847		1-	2 C	2331	.60	.60				
LOCK	13	2320	0020	2335	N23	W13	7847		1-	C	2335	.50	.50		10		
HALE	13	2333	2341	2335	N22	W15	7847		1-	2 C	2335	.40	.40				
HALE	13	2352	0023	0007	N22	W14	7847		1-	1 C	0007	.50	.50				
MANI	13	2357	E 0020		N21	W15	7847		1-	2	2358	.40	.40				
SACP	14	0000	E 0020	U 0000	E N22	W14	7847		1-	P		.52	.53		17		
CATA	14	1028	E 1057	1033	N20	W22	7847		1-	4	1033	1.22	1.39		155	D	
SACP	14	1554	1606	1558	N23	W24	7847		1-	C		.43	.45		17		
MCMA	14	1554	1607	1555	N23	W24	7847		1-	2 C	1555	.30	.30			S	
LOCK	14	1700	1915	1745	N17	E13			1-	C	1745	.20	.20		10		
LOCK	15	0020	0032	0025	N26	E53	7858		1-	C	0025	.20	.20		10		
BUCA	15	0735	0830		N22	W30	7847	55	1	2			4.80			GL	
WEND	15	0736	0826		N23	W27	7847	50	2				9.00				

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION -- MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		MATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.										
— CATA	15	0737 E	0840 D	0744	N22	W30	7847	63 D	1	2	0744	2.60	3.17		170	EG
— CAPS	15	0740 E	0902		N22	W30	7847	82 D	1	3	0751	2.20	2.80		182	CFGHKL
— MANI	15	0801	0820	0805	N21	W32	7847		1-	2	0805	.50	.55			
— ARCE	15	0805 E	0828 D		N22	W32	7847		1-	2	0814	.92	1.17			
— ARCE	15	0814 E	0849 D		N21	W28	7847		1-	2	0836	.69	.83			
— KANZ	15	0830 E	0840 D		N20	W32	7847	10 D	1							BAGH
— BUCA	15	0832 E	0912 D		N20	W33	7847	40 D	1	2			2.80			G
— ARCE	15	0836	0932		N22	W32	7847		1-	2	0842	.56	.71			
— CAPS	15	1140 E	1200		N22	W30	7847		1-	3	1145	1.30	1.60		157	CDG
— HALE	15	1929	1953	1932	N22	W39	7847		1-	2 C	1932	.20	.20			
— HALE	15	2045 E	2107	2046	N09	W47	7862		1-	1 P	2046	.20	.20			
— SACP	16	1402	1409 D	1408	N22	W49	7847		1-	P		.35	.45		18	
— MCMA	16	1405	1415 D	1409	N23	W40	7847		1-	2 P	1409	.20	.40			
— HALE	16	1633	1640	1635	N21	W58	7845		1-	3 P	1635	.20	.30			E
— CATA	17	0605 E	0615 D	0608	S27	W11	7863		1-	5	0608	.48	.55		117	EGH
— ARCE	17	0813 E	0850 D		S29	W09	7863		1-	2	0815	.72	.85			
— MCMA	17	1131	1157	1139	N24	W58	7847	26	1	2 C	1139	1.00	2.00			SK
— MCMA	17	1255	1320	1258	S29	W11	7863		1-	2 C	1258	.40	.50			E
— CAPS	17	1311 E	1312 D		S30	W10	7863		1-	1						
— MCMA	17	1415	1445		S29	W10	7863		1-	2 C	1425	.30	.40			EH
— MCMA	17	1515	1800 D		S29	W09	7863		1-	1 C	1730	.50	.60			DHK
— SACP	17	1610	1633	1623	S28	W12	7863		1-	C		.26	.27		18	
— HUAN	17	1616	1638	1623	S27	W15	7863		1-	C	1623	.15	.18			D
— LOCK	18	0110	0130 D	0120	N27	E89	7867		1-	C	0120	.20	.60		10	
— CAPS	18	0620	0633		S29	W20	7863		1-	3	0625	.80	1.00		163	D
— CAPS	18	0650 E	0703		S29	W20	7863		1-	3	0653	1.30	1.60		157	D
— CAPS	18	0728	0740 D		S29	W20	7863		1-	3	0730	1.50	1.80		161	D
— ARCE	18	0806 E	0838 D		S29	W22	7863		1-	3	0806	1.31	1.66			
— ARCE	18	0901 E	1000 D		S29	W22	7863		1-	3	0901	1.34	1.70			
— WEND	18	1035 E	1110 D		N25	W65	7847	35 D	1+				8.00			
— CAPS	18	1037 E	1100		N20	W70	7847		1-	3	1044	.70	2.00			EGH
— CAPS	18	1143	1217		N20	W70	7847		1	3	1152	.90	2.70		188	GJ
— MCMA	18	1430	1515	1452	N32	E80	7867	34	1-	2 C	1452	.40	.40			EK
— HUAN	18	1843	1856	1848	S28	W30	7863		1-	C	1848	.15	.20			D
— HUAN	18	1906	1923	1914	S28	W30	7863		1-	C	1914	.15	.20			D
— HUAN	18	2012	2028	2020	S28	W30	7863		1-	C	2020	.15	.20			D
— MCMA	18	2015	2034		S29	W22	7863		1-	1 P	2021	.20	.30			DM
— HALE	18	2133	2136	2134	N20	W90	7845		1-	1 C	2134	.10	.10			
— ARCE	19	0800 E	0847 D		S29	W36	7863	47 D	1	2	0841	1.41	2.03			
— ARCE	19	0904			S29	W36	7863		1-	2	0904	.98	1.41			
— LOCK	19	2012	2021	2017	N33	W01	7859		1-	C	2017	.20	.20		10	
— LOCK	19	2315	2347	2325	N05	E42			1-	C	2325	.20	.20		10	
— HALE	20	0155	0216	0202	N29	E56	7867		1-	2 C	0202	.40	.60			
— HALE	20	0226	0233	0229	N29	E56	7867		1-	2 C	0229	.40	.60			
— HALE	20	0231	0313	0235	S28	W46	7863		1-	2 C	0235	.60	.80			
— CATA	20	0545 E	0630 D	0558	S28	W46	7863		1-	3	0558	.46	.76		141	E

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IM-PORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		McMATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.										
KANZ	20	0747 E	0752 D		S26	W49	7863		1-							D
KANZ	20	1051 E	1054 D		S26	W50	7863		1-							D
MCMA	20	1252	1257 D	1254	S28	W53	7863		1-	1 P	1254	.50	1.00			E
SACP	20	1325	1336	1329	S28	W53	7863		1-	C		.35	.51	18		
CAPS	20	1329	1335		S28	W46	7863		1-	3	1330	.80	1.20	157		
HUAN	20	1338 E	1407 D		S27	W55	7863		1-	P	1345	.15	.29			D
HALE	20	1724	1740	1731	S28	W59	7863		1-	1 C	1731	.40	.60			
HUAN	20	1819	1835	1827	S27	W56	7863		1-	C	1827	.15	.29			D
HUAN	20	1918	1938	1926	S27	W56	7863		1-	C	1926	.20	.38			D
LOCK	20	2059	2118	2105	S01	E07			1-	C	2105	.20	.20	10		
HUAN	20	2137	2216	2201	S27	W57	7863		1-	C	2201	.30	.57			D
HALE	20	2154	2206 D	2158	S28	W59	7863		1-	1 P	2158	.60	1.00			
LOCK	20	2240	2305	2246	S32	W55	7863		1-	C	2246	.20	.30	10		H
CATA	21	0548 E	0620 D	0553	S29	W60	7863		1-	2	0553	.42	.86	170		E
BUCA	21	0630 E	0639 D		S28	W70	7863		1-	2			1.20			
HALE	21	1755	1810	1802	S27	W70	7863		1-	1 C	1802	.40	.80			
HALE	21	1848	1920	1853	S30	W70	7863		1-	1 C	1853	.20	.40			
CATA	22	0640 E	0650 D	0645	S37	W03	7869		1-	4	0645	.96	1.25	123		E
KANZ	22	0807 E	0828 D		S26	W72	7863	21 D	1-							D
ARCE	22	0835	0905 D		S29	W78	7863		1-	3	0835	.26	.83			E
KANZ	22	0837 E	1041 D		S27	W71	7863	124 D	1+							
WEND	22	0843	1050 D	0902	S26	W79	7863	127 D	1+				7.00			
ARCE	22	0920 E	1000 D		S29	W78	7863		1-	3	0925	.23	.74			
WEND	22	0903 E	0913 D		N29	E23	7867		1-							
WEND	22	0917 E	0931 D		N29	E23	7867		1-							
WEND	22	0948 E	1038 D		N19	E22	7867		1-							
MCMA	22	1106 E	1220		S29	W85	7863		1-	2 P	1107	.80				BE
CAPS	22	1204 E	1223		S28	W75	7863	19 D	1	3	1206	1.00	5.00	182		EG
KAND	22	1210 E	1235		S27	W90	7863	25 D	2							
KAND	22	1225 E	1315	1225	N34	E08	7870	50 D	1							
KAND	22	1237	1319	1255	S25	W88	7863	42	1							
KAND	22	1256	1319	1300	S30	W90	7863		1-							
KANZ	22	1346	1654 D		S29	W74	7863	188 D	1+							
HALE	23	0103	0112	0105	S26	W90	7863		1-	1 C	0105	.10				
HALE	23	0129	0157	0139	S26	W90	7863		1-	1 C	0139	.30				H
HALE	23	0220	0250	0229	S26	W90	7863		1-	1 C	0229	.10				HK
HALE	23		0235													
HALE	23	0334 E	0358	0337	S26	W90	7863		1-	2 P	0337	.40				
HALE	23	0403	0428 D	0409	S26	W90	7863		1-	2 P	0409	.40				
HALE	23	0416	0419	0417	S29	W90	7863		1-	2 C	0417	.10				
KAND	23	0805	0822		S24	W90	7863		1-							
KAND	23	0821	1205 D	0833	S31	W90	7863	224 D	2-							
KAND	23	0830	0915		S24	W90	7863		1-							
KAND	23	0839	1205 D		S28	W90	7863	206 D	2							
ARCE	23	0855 E	0910 D		S30	W90	7863		1-	2	0855	.23	1.31			
ARCE	23	0857 E	0910 D		S27	W90	7863	13 D	1	2	0857	.36	2.05			
KAND	23	0919	0943		S24	W90	7863		1-							
ARCE	23	0950 E	1000 D		S27	W90	7863	10 D	1	2	1000	.59	3.35			

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		McMATH FLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.										
KAND	23	0952	0958		S24	W90	7863		1-							
KAND	23	1005	1042		S23	W90	7863		1-							
KAND	23	1044	1101		S23	W90	7863		1-							
KAND	23	1113	1125		S23	W90	7863		1-							
KAND	23	1134	1142		S23	W90	7863		1-							
HALE	23	1840	1859	1850	S30	W90	7863		1-	2 C	1850	.20				
ARCE	24	0900	0930	D	N24	E90	7873	30 D	1	2	0920	.39	2.22			
KAND	24	0904	0906		N30	E90	7873		1-							
KAND	25	0842	0846	0844	N35	W67	7859		1-							
ARCE	25	0910	0925	D	N32	E87	7878		1-	3	0915	.18	.83			
KAND	25	0913	0924	0915	N40	W90	7857		1-							
KANZ	25	1018	1035	D	N30	E82	7878	17 D	1							D
WEND	25	1056	1111	D	N28	E76	7878	15 D	1				3.00			D
MCMA	25	1232	1248	1233	N31	E85	7878		1-	1 C	1233	.10				D
KANZ	25	1412	1433		N30	E80	7878		1-							D
MCMA	25	1416	1428	1419	N31	E85	7878		1-	1 C	1419	.20				D
SACP	25	2111	2120	U	N30	W19	7867		1-	C		.57	.60		18	D
ARCE	26	0845	0900		N33	E73	7878		1-	3	0845	.43	1.14			
MCMA	26	1746	1759		N24	E50	7873		1-	2 C	1750	.20	.40			D
MCMA	26	2015	2125		N24	E50	7873		1-	2 C	2030	.20	.40			
MCMA	26	2232	2241	D	N23	E48	7873		1-	2 P	2234	.30	.60			D
LOCK	26	2232	2250	2237	N23	E46	7873		1-	C	2237	.30	.30		10	
SACP	26	2234	2242	2238	N24	E47	7873		1-	C		.35	.44		17	
LOCK	27	2105	2140	2112	N31	E37	7873		1-	C	2112	.10	.10		10	
MEUD	28	1020	1055	1027	N30	E40	7878	35	1		1027	3.60	5.10			
CATA	28	1020	1130	1027	N33	E36	7878	70 D	2+	2	1027	3.76	5.62		246	I
CAPS	28	1021	1123		N32	E40	7878	62 D	1+	3	1026	2.50	3.75		254	CFK
HERS	28	1055	1112	D	N32	E44	7878		1-	2	1102	.60	1.10			E
MCMA	28	1107	1146		N29	E46	7878		1-	2 P	1108	1.00	1.40			BS
KAND	28	1218	1302	1235	N15	W90		44	1							
LOCK	28	1610	1700	1620	N32	E44	7878		1-	C	1620	.20	.20		10	
KAND	29	0820	0826		S18	E90			1-							
KAND	29	0820	0830		S11	E90			1-							
KAND	29	0846	0903		N04	E90			1-							
KAND	29	0916	0927		S18	E90			1-							
KAND	29	0917	0925		N06	E90			1-							
KANZ	29	1632	1642	D	N31	E29	7878	10 D	1							H
KANZ	29	1720	1722	D	N31	E29	7878	2 D	1							H
LOCK	30	2016	2040	2024	N21	W06	7873		1-	C	2024	1.00	1.00		10	
MCMA	30	2022	2045	D	N23	W06	7873	23 D	1	1 P	2023	2.20	2.40			F