SOLAR FLARES

MAY 1965

OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	01	0235	0240	NO FLARE	PATROL											
MITK	01	0432	0451		N29	E90	7794		1-	C						G
KANZ	01	0723 E	0927		N27	E90	7794	124 D	2							AG
IKOM	01	0737	0746		N28	E90	7794		1-	V						A
ARCE	01	0824 E	0835 D		N29	E90	7794		1-	2	0824	.23	1.31			
ARCE	01	0925 E	0943 D		N29	E90	7794		1-	2	0925	.42	2.40			
CATA	01	0930 E	1000 D	0934	N30	E90	7794		1-	1	0934	.30	1.71		129	DG
CLMX	01	1407 E	1731		N26	E85	7794		1-	C	1506	.70	1.90			
HUAN	01	1426	1437		N28	E90	7794		1-	P	1428	.25				E
CAPE	01	1427	1435 D	1432	N29	E86	7794		1-	C	1432	.40				
SACP	01	1427	1436 D	1433	N28	E85	7794		1-	C		.86			26	
KANZ	01	1547	1617 D		N28	E85	7794		1-							CD
SACP	01	1854	1907	1858	N29	E80	7794		1-	C		.47			19	
LOCK	01	2001	2013	2005	N30	E90	7794		1-	C	2005	.20	1.00		10	
CULG	01	2208	2245	2221	N28	E85	7794		[1]	C	2221	.80				G
CULG	01	2335	2341	2337	N29	E85	7794		[]	C	2337	.40				G
CULG	01	2348	2400 D	2356	N29	E85	7794		[]	P	2356	.40				G
SACP	02	0008	0015	0010	N27	E76	7794		1-	C		.17	.46		19	
CULG	02	0044	0100	0049	N29	E80	7794		[]	C	0049	.80				G
SACP	02	0045	0100	0050	N28	E74	7794		1-	C		.69	1.71		23	
MITK	02	0045	0101	0051	N28	E78	7794		1-	V	0049	2.06		7.51	122	D
MANI	02	0045	0106	0051	N28	E80	7794		1-	2	0051	.45	1.08			
CLMX	02	0048	0056 D		N26	E78	7794		1-	C	0056	.50	1.20			
CULG	02	0401	0422 D	0413	N29	E80	7794		[]	P	0413	.20				G
CULG	02	0517	0527	0520	N28	E80	7794		[]	C	0520	.60				G
KANZ	02	0740 E	0805		N28	E75	7794	25 D	1							
MANI	02	0757	0812	0805	N28	E76	7794		1-	2	0805	.80	1.84			
MANI	02	0843 E	0850		N28	E76	7794		1-	2	0845	.25	.58			
ONDR	02	1207	1241	1214	N30	E64	7794	34	1+	3	1214			2.60		CEHJKR
CAPE	02	1220 E	1246		N28	E68	7794	26 D	1	P	1238	1.20				
HUAN	02	1233 E	1240 D		N27	E69	7794		1-	P	1233	.23				E
HUAN	02	1405	1410	1407	N27	E71	7794		1-	C	1407	.10				D
HUAN	02	1743	1813	1800	N27	E63	7794		1-	C	1800	.10				D
HUAN	02	1928	2058	1945	N28	E65	7794		1-	C	1945	.20				DK
HUAN	02			2010												
CULG	03	0248	0305	0254	N28	E62	7794	17	1	C	0254	1.60	4.00			G
CULG	03	0412	0416	0413	N28	E63	7794	4	1	C	0413	1.60	4.00			
CULG	03	0457	0505	0501	N28	E63	7794		1-	C	0501	.80	2.00			G
	05	0135	0220	NO FLARE	PATROL											
	05	0330	0355	NO FLARE	PATROL											
LOCK	06	2140	2210	2158	N30	E80	7801		1-	C	2158	.10	.30		20	
LOCK	07	0045	0112	0100	N30	E80	7801		1-	C	0100	.10	.30		20	
	07	0400	0445	NO FLARE	PATROL											
ARCE	07	0842 E	0920 D		N34	W48	7799		1-	2	0910	.78	1.41			
KANZ	07	1400 E	1402		N36	E46			1-							D
CLMX	07	1423 E	1602		N31	W49	7799		1-	C	1439	.50	.70			

SOLAR FLARES

MAY 1965

OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
SACP	07	1432	1510	1459	N36	W49	7799		1-	C		.60	.90		18	
HUAN	07	1436	1454	1442	N37	W48	7799		1-	C	1442	.25	.53			E
KANZ	07	1444	1455 D		N36	E46			1-							D
HUAN	07	1511	1522	1516	N36	W49	7799		1-	C	1516	.25	.53			D
MCMA	07	1557	1658	1602	N35	W52	7799		1-	3 C	1602	.30	.60			DH
CLMX	07	1606	1644 D		N32	W54	7799		1-	C	1631	.50	.70			
MITK	08	0241	0321	0253	N36	W58	7799		1-	C						D
MITK	08	0500	0512	0505	N36	W60	7799		1-	C						D
MITK	08	0717	0738	0721	N36	W59	7799		1-	C						E
MITK	08	0743	0800	0747	N36	W60	7799		1-	C						D
ARCE	08	0817 E	0902 D		N34	W62	7799		1-	2	0838	.56	1.35			
KANZ	08	0818 E	0850 D		N36	W60	7799		1-							D
ARCE	08	1000 E			N34	W62	7799		1-	2	1000	.49	1.18			
HUAN	08	1412 E	1516 D		N37	W62	7799		1-	P	1502	.45				E
MCMA	08	1420 E	1510	1438	N35	W67	7799	50 D	1	2 C	1438	.80	2.40			EH
SACP	08	1423	1507	1437	N35	W63	7799		1-	C		.87	1.66		20	
KANZ	08	1450 E	1512		N36	W63	7799	22 D	1							
MCMA	08	1543	1548	1544	N35	W68	7799		1-	2 C	1544	.50	1.50			EH
MCMA	08	1710 E	1723 D		N35	W69	7799		1-	1 P	1715	.50	1.50			EH
HUAN	08	1720 E	1800 D		N35	W63	7799		1-	P	1735	.20				E
MCMA	08	1805 E	1830 D	1807	N35	W69	7799	25 D	1	2 P	1807	.80	2.40			E
HUAN	08	1806	1815 D		N36	W63	7799		1-	P	1811	.25				E
MCMA	08	1906	1919	1911	N37	W70	7799		1-	2 C	1911	.40	1.20			EH
HUAN	08	1910	1934 D		N36	W63	7799		1-	P	1916	.34				E
HUAN	08	2011 E	2013 D		N36	W63	7799		1-	P	2011	.27				E
HUAN	08	2053 E	2055 D		N36	W63	7799		1-	P	2053	.20				E
MCMA	08	2054	2100	2055	N37	W70	7799		1-	2 C	2055	.30	1.00			D
CULG	08	2352	2400 D	2355	N06	E78	7802		▭	P	2355	.40				CG
CATA	09	1000 E	1110 D	1002	N34	W78	7799		1-	2	1002	.14	.45		132	D
MCMA	09	1157	1214	1202	N35	W88	7799		1-	2 C	1202	.20				D
MCMA	09	1259	1308	1302	N35	W88	7799		1-	2 C	1302	.20				D
HUAN	09	1435	1455		N37	W80	7799		1-	C	1446	.13				DK
HUAN	09	1511	1531	1520	N37	W80	7799		1-	C	1520	.25				D
SACP	09	1515	1531	1520	N35	W76	7799		1-	C		.17	.48		18	
MCMA	09	1518	1525	1521	N35	W88	7799		1-	2 C	1521	.20				D
MCMA	09	1523	1550	1528	N23	E86	7803		1-	2 C	1528	.30				D
MCMA	09	1612 E	1629 D		N23	E86	7803		1-	1 P	1612	.20				D
HUAN	09	1615	1629		N38	W85	7799		1-	C	1625	.20				DK
HUAN	09	1859	1931	1912	N37	W90	7799		1-	C	1912	.38				D
MCMA	09	1900 E	1914 D		N35	W90	7799		1-	1 P	1911					
HUAN	09	2016	2043	2019	N38	W90	7799		1-	C	2027	.25				DK
HUAN	09			2027												
CATA	10	0620	0930 D	0818	N36	W90	7799	190 D	1	5	0818	.38	2.16		118	FG
ISTA	10	0740 E	0900		N46	W90	7799	80 D	1							
ARCE	10	0805 E	0850 D		N34	W90	7799		1-	2	0810	.34	1.93			
ARCE	10	0930 E	0935 D		N34	W90	7799		1-	2	0930	.20	1.14			
KAND	10	1145 E	1218		N36	W90	7799	33 D	1+							
KAND	10	1246	1252	1248	N35	W90	7799		1-							

SOLAR FLARES

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OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	OBSERVED UNIVERSAL TIME END	OBSERVED UNIVERSAL TIME MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
UCCL	11	1548	1553		N22	E55	7803		1-	3						D
MITK	12	0459	0515	0502	N24	E46	7803		1-	C						GH
MITK	12	0633	0637	0635	N22	E41	7803		1-	C						DGH
ARCE	12	0828 E	□		N23	E42	7803		1-	2	0828	.75	1.12			
CAPS	12	1301	1316		S15	W33	7805		1-	3	1305	.80	1.00		153	G
CLMX	12	1314	1503		S07	W29	7805		1-	C	1340	.60	.70			
KANZ	12	1320 E	1415 D		S15	W40	7805		1-							E
MCMA	12	2044	2105 D	2047	N22	E35	7803		1-	2 C	2047	.50	.70			EH
HUAN	12	2045	2103 D	2047	N21	E35	7803		1-	P	2047	.20	.27			EK
HUAN	12			2058												
HUAN	12	2125 E	2137 D		N20	E34	7803		1-	P	2128	.25	.33			EK
SACP	12	2343 U	2359 U	2355	N23	E32	7803		1-	C		1.31	1.47		18	
KAND	14	0930	1007		N28	E90	7809		1-							
OTTA	14	1037 E	1113	1053	S15	W64	7805		1-	2 C	1053	.50	.80			E
UCCL	14	1039 E	1119		S13	W65	7805		1-	3						EK
KAND	14	1040	1115	1047	S13	W65	7805	35	1+							
CAPS	14	1046 E	1103		S10	W60	7805		1-	2	1047	.50	.90		157	DG
KAND	14	1120	1126		N28	E90	7809	6	1							
KAND	14	1136	1146		N28	E90	7809		1-							
CULG	15	0521	0527	0524	N25	E77	7809		□	C	0524	.20				
CATA	15	0612 E	0700 D	0612	N21	E02	7803		1-	3	0612	.60	.66		145	EH
UCCL	15	0914	0927		N20	E85	7809		1-	3						D
UCCL	15	1008	1015		N20	E02	7803		1-	3						E
KANZ	15	1028 E	1105 D		N20	E76	7809		1-							D
UCCL	15	1100	1105 D		N20	E85	7809		1-	3						D
MCMA	15	1200	1207	1203	N25	E90	7809		1-	2 C	1203	.40				T
SACP	15	1355	1402	1356	N21	W02	7803		1-	C		.48	.48		18	
LOCK	15	1754	1815	1805	N26	E90	7809		1-	C	1805	.30	1.50		20	HJ
LOCK	15	1900	1955	1917	N26	E90	7809	55	1	C	1917	.60	3.00		20	HJ
CLMX	16	0044	0122 D	0112	N21	E90	7812	38 D	1	C	0112	.60	3.00			
LOCK	16	0103	0129	0111	N25	E90	7812	26	1	C	0111	.60	3.00		20	HJ
TACH	16	0326 E	0338 D	0330	N25	E90	7812	12	1+	C	0330				67	A
CAPS	16	0600 E	0735		N26	E90	7812	95 D	2	2	0615	2.00				HIJK
CATA	16	0630 E	1200 D	0900	N25	E90	7812	330 D	2	2	0900	1.62	9.21		178	J
CAPE	16	0651 E	0737	0716	N25	E90	7812	46 D	1+	C	0716	1.10				J
CAPS	16	0738	0942		N26	E90	7812	124	2	3	0805	.90				HIJK
KANZ	16	0755 E	0930 D		N24	E89	7812	95 D	1+							A
CAPE	16	0809 E	0820		N25	E90	7812		1-	P	0812	.60				J
ARCE	16	0810 E	0820 D		N26	E90	7812	10 D	2	1	0810	1.17	6.44			
CAPE	16	0827	0941	0833	N25	E90	7812	74	1+	C	0833	.60				J
ARCE	16	0830 E	0915 D		N26	E90	7812	45 D	1	1	0900	.69	3.92			
CAPS	16	1042	1245		N26	E88	7812	123	2	3	1130	1.00				HIJK
CAPE	16	1055 E	1110	1056	N25	E90	7812		1-	C	1056	.60				J
KIEV	16	1127	1220	1130	N23	E90	7812	53	1+	C	1130	3.50			60	
CAPE	16	1128	1156	1136	N25	E90	7812	28	1	C	1136	.80				JK
MCMA	16	1217 E	1515		N26	E90	7812	178 D	1+	2 P	1219	1.00				FH
CLMX	16	1235 E	1403	1326	N24	E90	7812	28 D	1	C	1326	.90	4.50			

SOLAR FLARES

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OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
HUAN	16	1243	1301	1247	N25	E90	7812		1-	C	1258	.20				DK
HUAN	16			1258												
CAPS	16	1255	1402		N26	E86	7812	67	1	3	1338	.80				EI
WEND	16	1314 E	1336 D		N23	E88	7812	22 D	2+				16.00			
KANZ	16	1316 E	1342 D		N24	E88	7812	26 D	1+							CH
HUAN	16	1329	1400	1339	N25	E90	7812		1-	C	1358	.34				DK
HUAN	16			1353												
HUAN	16			1358												
HUAN	16	1427	1506		N24	E90	7812		1-	P	1435	.20				DK
CLMX	16	1443	1456	1448	N24	E90	7812		1-	C	1448	.30	1.50			
CLMX	16	1503	1520 D		N24	E90	7812		1-	C	1520	.40	2.00			
HUAN	16	1513	1529	1518	N24	E90	7812		1-	C	1518	.20				D
CAPS	16	1515 E	1538		N26	E86	7812	23 D	1	2		.90				EHI
CLMX	16	1910	1939	1929	N24	E90	7812	29	1	C	1929	.80	4.00			
MCMA	16	1925 E	1933 D		N26	E88	7812		1-	2 P	1928	.20				D
MCMA	16	1954 E	2000 D		N25	E88	7812		1-	2 P	2000	.10				D
HUAN	16	1957	2006	2001	N24	E90	7812		1-	C	2000	.25				D
CLMX	16	2030	2045		N24	E90	7812		1-	C	2033	.40	2.00			
MCMA	16	2032 E	2057 D		N25	E88	7812		1-	2 P	2032	.20				D
HUAN	16	2034	2045 D		N24	E90	7812		1-	P	2037	.25				D
LOCK	16	2037	2112	2050	N24	E90	7812	35	1	C	2050	.70	3.50		20	J
CLMX	16	2213	2337	2227	N24	E90	7812	84	1	C	2227	.60	3.00			
HALE	16	2214	2240 D	2217	N23	E90	7812		1-	3 P	2228	.90				K
HALE	16			2228												
LOCK	16	2215	2340	2225	N24	E90	7812	85	1	C	2225	.70	3.50		20	HJ
LOCK	16	2303	2338	2314	N24	E90	7812	35	1	C	2314	.90	4.50		20	HJ
CLMX	16	2307	2339	2310	N23	E90	7812		1-	C	2310	.40	2.00			
MITK	16	2312 E	2315		N25	E85	7812	4 D	2	P						B
CLMX	16	2342	2350 D		N23	E85	7812		1-	C	2350	.40	1.10			
CLMX	17	0007 E	0025 D	0019	N24	E90	7812	18 D	1	C	0019	.90	4.50			
HALE	17	0009	0028 D	0018	N24	E90	7812	19 D	1	2 P	0018	1.00				H
LOCK	17	0030	0119	0039	N24	E90	7812	49	1	C	0102	1.00	5.00		20	
LOCK	17			0102												
CLMX	17	0031 E	0045 D	0036	N24	E90	7812	14 D	1	C	0036	.90	4.50			
HALE	17	0032 E	0058	0035	N24	E90	7812	26 D	1	1 P	0035	1.70				H
MITK	17	0043 E	0053		N26	E88	7812	10 D	1+	C						
HALE	17	0059	0105 D	0104	N24	E90	7812	6 D	1	2 P	0104	1.70				
MITK	17	0103 E	0117	0103	N24	E88	7812	14 D	1	V	0108	1.54		4.74	107	E
MITK	17	0124	0143	0127	N26	E85	7812	19	1	V	0131	1.54		3.16	96	E
IKOM	17	0135	0200 D		N25	E80	7812	25 D	1	V					70	AD
MITK	17	0152	0210	0152	N26	E85	7812	18	1	V	0152	1.23		2.23	107	E
MITK	17	0226	0240	0229	N24	E88	7812		1-	V	0229	.26		2.63	96	E
MITK	17	0240	0321	0249	N26	E85	7812	41	1	V	0250	1.23		3.89	120	D
TACH	17	0244 E	0502	0257	N25	E87	7812	138	1	C	0257	2.70	19.20	3.00	80	ADK
NIZH	17	0252	0257	0257	N24	E79	7812	5	1	2	0257	1.83	2.43	1.50		CDH
IKOM	17	0252 E	0313 D		N25	E80	7812	21 D	1	V				1.66	100	E
MITK	17	0324	0422	0350	N26	E85	7812	58	1	V	0350	2.01		2.29	107	
NIZH	17	0337	0347	0340	N24	E78	7812	10	1	2	0340	1.83	2.43	1.50		CD
KODA	17	0340 E	0402 D	0350	N25	E80	7812	22 D	1	C		1.30		4.36		
IKOM	17	0343 E	0348		N25	E80	7812	5 D	1+	V					87	AD

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
					APPROX.		McMATH									
	MAY 1965	START	END	MAX. PHASE	LAT.	MER. DIST.	PLAGE REGION	MINUTES			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
MITK	17	0405	0418	0412	N26	E50	7809		1-	C						D
MITK	17	0433	0452	0444	N26	E85	7812	19	1	C						
MITK	17	0518	0545	0521	N26	E82	7812	27	1	C						
MITK	17	0603	0619	0612	N26	E82	7812	16	1	C						E
CATA	17	0630	0650	0636	S25	E47	7810		1-	1	0636	.38	.60		155	E
TACH	17	0631	0651	0631	S26	E49	7810		1-	C	0631	.40	.60	1.80	55	E
ONDR	17	0637 E	0648		S22	E48	7810		1-	3	0638			1.30		CEG
CATA	17	0635	0655	0646	N24	E80	7812		1-	1	0646	.28	.90		182	D
MITK	17	0636	0648	0645	N26	E83	7812		1-	C						D
MITK	17	0653	0713	0705	N26	E76	7812		1-	C						D
KANZ	17	0755 E	0820		N23	E80	7812	25 D	1+							
CAPE	17	0803	0824	0810	N26	E80	7812	21	1	C	0810	.90				J
ARCE	17	0810 E	0828 D		N26	E79	7812	18 D	1	3	0810	1.31	4.19			
KAND	17	0923	1000		N26	E75	7812	37	2							
KAND	17	0948	0957		N27	E90	7812		1-							
CAPS	17	1001	1008		N25	E80	7812		1-	3	1005	.20			201	D
KAND	17	1002	1039		N26	E75	7812	37	2							
KAND	17	1045	1155		N26	E75	7812	70	2							
KANZ	17	1049	1052 D		N23	E80	7812		1-							D
KAND	17	1105	1110		N24	E68	7809		1-							
KAND	17	1112	1119		N28	E90	7812		1-							
CAPE	17	1116	1131	1121	N26	E78	7812	15	1	C	1121	.90				J
KAND	17	1200	1215		N26	E75	7812		2-							
KAND	17	1216	1228		N26	E75	7812	12	1							
SACP	17	1302	1313	1307	N26	E81	7812		1-	C		.26			20	
HUAN	17	1323	1334	1327	N23	E73	7812		1-	C	1327	.45				E
HUAN	17	1344	1349	1345	N23	E72	7812		1-	C	1345	.25				D
HUAN	17	1354	1359	1356	N23	E72	7812		1-	C	1356	.20				D
HUAN	17	1406 E	1418 D		N23	E72	7812		1-	P	1414	.20				D
CAPS	17	1430 E	1452 D		N26	E50	7809	22 D	1	3	1441	1.40	2.40		189	CE
HUAN	17	1431	1440	1436	N25	E48	7809		1-	C	1436	.30	.50			E
CLMX	17	1432	1445	1436	N31	E44	7809		1-	C	1436	.90	1.00			
CLMX	17	1435	1440	1438	N25	E70	7812		1-	C	1438	.50	1.00			
SACP	17	1435	1443	1438	N25	E69	7812		1-	C		.43	.87		18	
HUAN	17	1436	1442	1438	N22	E70	7812		1-	C	1438	.20				D
CAPS	17	1441 E	1458 D		N25	E78	7812	17 D	1	3	1449	1.10	3.20		205	CE
HUAN	17	1445	1451	1448	N23	E69	7812		1-	C	1448	.20				E
SACP	17	1445	1452	1448	N25	E68	7812		1-	C		.34	.68		19	
CLMX	17	1445	1452	1448	N25	E70	7812		1-	C	1448	.90	1.80			
CLMX	17	1558	1601	1559	N19	E47	7809		1-	C	1559	.40	.50			
CLMX	17	1802	1811	1806	N25	E72	7812		1-	C	1806	.40	.80			
SACP	17	1858	1903	1901	N21	E43	7809		1-	C		.61	.74		23	
HALE	17	1859	1903	1901	N21	E43	7809		1-	3 C	1901	1.00	1.20			H
LOCK	17	1859	1907	1902	N21	E40	7809		1-	C	1902	.50	.50		20	JL
HUAN	17	1901 E	1903		N22	E45	7809		1-	P	1902	.20	.30			D
HUAN	17	1902	1905 D		N26	E76	7812		1-	P	1902	.20				D
HALE	17	2027	2036	2032	N23	E62	7812		1-	2 C	2032	.20	.40			
CLMX	17	2137 E	2154		N25	E69	7812		1-	C	2138	.70	1.30			
SACP	17	2321	2333	2325	N20	W19	7813		1-	C		.17	.17		19	
MITK	17	2348	0006	2355	N27	E65	7812		1-	C						D
MITK	18	0159	0213	0204	N23	E42	7809		1-	C						D

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
					APPROX.		McMATH									
	MAY 1965	START	END	MAX. PHASE	LAT.	MER. DIST.	PLAGE REGION	— MINUTES			TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
MITK	18	0314	0340	0322	N25	E66	7812		1-	C						D
MANI	18	0322 E	0340	0326	N24	E69	7812		1-	2	0326	.50	.95			
MITK	18	0459	0530	0512	N26	E41	7809	31	1	C						E
IKOM	18	0505 E	0547 D		N22	E37	7809	42 D	1+	V	0508	3.60	5.40	1.18	90	EH
MITK	18	0539	0558	0542	N27	E38	7809		1-	C						D
MITK	18	0546	0612	0552	N25	E65	7812	26	1	C						E
MANI	18	0625	0658	0635	N25	E68	7812		1-	2	0635	1.00	1.90			
MITK	18	0627	0700	0640	N26	E65	7812	33	1	C						
WEND	18	0630 E	0652 D		N23	E62	7812	22 D	1+				6.00			
CAPS	18	0637 E	0653		N25	E64	7812	16 D	1	3	0643	.80	2.10		182	CEH
CATA	18	0638	0650	0645	N24	E65	7812		1-	3	0645	.16	.36		155	DH
ATHN	18	0641	0650		N27	E65	7812	9	1	3	0645	.80	2.20			
CAPE	18	0641 E	0653 D	0646	N25	E66	7812	12 D	1	C	0646	1.10				
IKOM	18	0643 E	0652 D		N23	E64	7812	9 D	1	V					90	D
BUCA	18	0648 E	0700 D	0648	N26	E64	7812		1-				1.60			
KAND	18	0821	0836		N21	W45	7803		1-							
KAND	18	0822	0834		N18	W23	7813		1-							
CATA	18	0824	0858 D	0846	N25	E63	7812		1-	3	0854	.50	1.08		166	E
KAND	18	0826	0850	0832	N27	E64	7812	24	1+							
BUCA	18	0832 E	0850 D		N26	E64	7812		1-				1.60			
KANZ	18	0836	0926		N28	E67	7812		1-							K
KANZ	18	0848 E	0902 D		N26	E61	7812		1-							E
CAPS	18	0902	0926		N27	E60	7812		1-	3	0905	.50	1.20			EJ
CAPS	18	0837	0907		N20	W23	7813		1-	3	0841	.30	.30		240	DG
CATA	18	0838	0858	0843	N20	W23	7813		1-	3	0843	.46	.55		174	D
KAND	18	0838	0904	0839	N18	W23	7813	26	1+							
BUCA	18	0839 E	0848 D	0839	N20	W20	7813		1-				1.80			
HERS	18	0840 E	0850	0841	N20	W20	7813		1-	3	0841	.30	.40			CD
KANZ	18	0840	0905 D		N20	W22	7813	25 D	1							
BUCA	18	0836 E	0850 D		N21	W40	7803		1-				.80			
CATA	18	0840	0849 D	0843	N22	W40	7803		1-	3	0843	.44	.65		178	E
KANZ	18	0842	0951		N21	W41	7803		1-							
KAND	18	0843	0901		N21	W45	7803	18	1							
CAPS	18	0843	0907		N23	W41	7803		1-	3	0845	.50	.70			DJ
CAPS	18	0943	1030 D		N20	W23	7813		1-	3	0955	.20	.20			DGJ
CAPS	18	0959	1019 D		N22	W41	7803		1-	3	1004	.90	1.40			EJ
MCMA	18	1222	1245 D	1226	N22	E30	7809		1-	3 C	1226	.30	.40			EH
CAPS	18	1224 E	1236		N22	E32	7809		1-	3	1233	.90	1.20		234	EJ
MCMA	18	1234	1238	1236	N27	E65	7812		1-	3 C	1236	.30	.70			D
KANZ	18	1415 E	1455		N19	E31	7809		1-							
HUAN	18	1445	1457	1450	N23	E58	7812		1-	C	1450	.20				E
KANZ	18	1447	1503		N25	W60	7803		1-							
KANZ	18	1526	1550		N19	E29	7809	24	1							
KANZ	18	1542	1459		N25	W57	7803		1-							
SACP	18	1625	1645	1635	N21	E28	7809		1-	C		.61	.65		19	
HUAN	18	1626 E	1630 D		N20	E28	7809		1-	P	1628	.25	.31			E
MCMA	18	1627	1645	1630	N22	E28	7809		1-	2 C	1630	.30	.40			EH
MCMA	18	1721	1730	1724	N27	E63	7812		1-	2 C	1724	.20	.40			D
SACP	18	1737	1748 D	1740	N19	E11	7809		1-	P		.26	.26		18	
MCMA	18	1748	1755	1750	N27	E63	7812		1-	2 C	1750	.30	.70			E
MCMA	18	1828	1835	1829	N22	E27	7809		1-	2 C	1829	.30	.40			E

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OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
MCMA	18	1844	1915	1856	N22	E27	7809		1-	2 C	1856	.60	.70			EK
LOCK	18	1849	1902	1855	N19	E24	7809		1-	C	1855	.60	.60		20	L
SACP	18	1850	1917 U	1858 U	N20	E27	7809		1-	P		1.75	1.86		19	
HALE	18	1852	1901	1857	N18	E26	7809		1-	1 C	1857	.60	.60			
LOCK	18	1854	1911	1902	N18	E28	7809		1-	C	1902	.50	.50		10	
HUAN	18	1915 E	1923		N20	E28	7809		1-	P	1920	.20	.25			D
MCMA	18	2000	2015	2003	N25	E29	7809		1-	1 C	2003	.20	.30			D
MCMA	18	2107	2120	2109	N25	E29	7809		1-	2 C	2109	.20	.30			D
SACP	18	2326	2351 D	2344 U	N19	W32	7813		1-	P		.43	.47		19	
MANI	18	2334 E	2355	2348	N20	W34	7813		1-	2	2348	.17	.19			
CAPE	19	0727	0747	0733	N27	E51	7812		1-	C	0733	1.10	1.90			E
MANI	19	0731 E	0740	0733	N24	E53	7812		1-	2	0733	.17	.24			
BUCA	19	0731 E	0742 D		N26	E50	7812		1-				1.00			
CATA	19	0735	0755	0736	N24	E50	7812		1-	2	0736	.82	1.43		182	E
UCCL	19	0931	0938		N21	E48	7812		1-	3						D
UCCL	19	1024	1043		N24	E50	7812		1-	3						E
BUCA	19	1036 E	1044 D		N24	E24	7809		1-				.70			
UCCL	19	1043	1047		N22	W37	7813		1-	3						E
MCMA	19	1128	1133	1129	N21	E17	7809		1-	2 C	1129	.20	.20			E
MCMA	19	1140	1149	1141	N23	E17	7809		1-	2 C	1141	.20	.20			D
SACP	19	1220	1237	1222	N20	E18	7809		1-	C		.36	.37		18	
MCMA	19	1222	1229	1223	N21	E17	7809		1-	2 C	1222	.20	.20			E
MCMA	19	1319	1335		N19	W42	7813		1-	2 C	1323	.30	.40			S
UCCL	19	1405	1409		N23	E45	7812		1-	3						E
SACP	19	1423	1455	1429	N26	E22	7809		1-	C		1.09	1.17		20	
HUAN	19	1424 E	1443 D		N25	E22	7809		1-	P	1426	.65	.78			E
CAPS	19	1424 E	1446		N24	E25	7809		1-	3	1430	1.20	1.50		165	CF
UCCL	19	1424	1448	1428	N25	E24	7809	24	1	3						EH
MCMA	19	1424	1451	1427	N27	E23	7809		1-	2 C	1427	.50	.60			S
UCCL	19	1508	1513		N24	E48	7812		1-	3						D
SACP	19	1508	1521	1511	N26	E46	7812		1-	C		.56	.74		20	
HUAN	19	1509	1514	1511	N24	E46	7812		1-	C	1512	.30	.50			E
MCMA	19	1509	1516	1511	N27	E47	7812		1-	2 C	1511	.50	.70			EH
CAPS	19	1530	1552		N20	W41	7813		1-	3	1537	.40	.60		190	D
MCMA	19	1532	1542	1534	N19	W44	7813		1-	1 C	1534	.30	.40			S
MCMA	19	1600	1612	1602	N27	E23	7809		1-	2 C	1602	.40	.50			S
SACP	19	1600	1619 U	1602	N26	E22	7809		1-	C		.61	.65		18	
UCCL	19	1602 E	1614 D		N25	E24	7809		1-	3						E
UCCL	19	1621	1640		N22	W45	7813		1-	3						D
SACP	19	1723	1733	1725	N20	E15	7809		1-	C		.26	.26		18	
HALE	19	1801 E	1820	1803	N17	W42	7813		1-	3 P	1803	1.60	1.90			
HALE	19	1820	1902	1827	N24	E43	7812	42	1	3 C	1827	2.00	2.60			F
CLMX	19	1821	1840	1827	N23	E47	7812		1-	C	1827	.40	.50			
LOCK	19	1821	1845	1826	N25	E41	7812		1-	C	1826	.80	.80		20	H
MCMA	19	1821	1850 D	1824	N27	E45	7812	29 D	1	2 C	1824	1.30	2.10			S
HUAN	19	1821 E	1904		N23	E46	7812	43 D	1	P	1832	1.35	2.24			E
SACP	19	1821	1908	1826	N25	E44	7812		1-	C		1.40	1.76		21	
HALE	19	1848	1856	1852	N27	E42	7812		1-	3 C	1852	.60	.80			
MCMA	19	1902	1957	1923	N18	W42	7813		1-	2 C	1923	.50	.70			SHK
HALE	19	1918	1952	1924	N17	W41	7813		1-	3 C	1924	1.00	1.20			

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
					APPROX.		McMATH PLAGE REGION				TIME	MEAS. AREA	CORR. AREA	MAX. WIDTH	MAX. INT.	
	MAY 1965	START	END	MAX. PHASE	LAT.	MER. DIST.		MINUTES			U T	Sq. Deg.	Sq. Deg.	Hα	%	
HALE	19	1948	2010	1953	N20	E12	7809		1-	3 C	1953	.40	.40			
MCMA	19	1951	2002	1953	N20	E20	7809		1-	2 C	1953	.20	.20			D
SACP	19	1951	2009	1956	N20	E13	7809		1-	C		.43	.44		18	
LOCK	19	1952	2007	2002	N21	E13	7809		1-	C	2002	.30	.30		20	
OTTA	19	2002 E	2009		N20	E12	7809		1-	C	2002	.36	.36			E
HALE	19	2007	2020	2009	N22	E12	7809		1-	2 C	2009	.40	.40			H
OTTA	19	2105	2124 D		N20	E13	7809		1-	1 C	2115	.53	.53			HE
SACP	19	2106	2132	2114	N20	E13	7809		1-	C		.61	.62		18	
MCMA	19	2108	2120	2115	N20	E20	7809		1-	2 C	2115	.50	.50			E
HALE	19	2109	2125	2115	N20	E13	7809		1-	3 C	2115	1.20	1.20			
HALE	20	0001	0009	0006	N18	W44	7813	8	1	2 C	0006	2.00	2.40			
MITK	20	0001 E	0012 D		N18	W45	7813		1-	C						E
CLMX	20	0001	0013 D		N18	W43	7813		1-	C	0012	.70	.80			
HALE	20	0009	0030	0014	N18	W45	7813	21	1	3 C	0014	2.50	3.00			
MANI	20	0005 E	0040	0000	N21	W34			1-	2	0006	1.30	1.56			
HALE	20	0138	0150 D	0139	N24	E16	7809		1-	3 P	0139	.80	.80			
BUCA	20	0556 E	0639 D		N19	W48	7813	43 D	1				3.60			
MANI	20	0600 E	0626	0603	N21	W46	7813		1-	2	0603	1.00	1.30			
CAPS	20	0615 E	0636 D		N21	W48	7813	21 D	1	2	0622	1.60	2.50		194	F
ABST	20	0621 E	0639 D	0626	N20	W45	7813	18 D	1	C	0626	2.20	1.60		73	DJL
BUCA	20	0652 E	0701 D		N19	W49	7813		1-				.90			
WROC	20	0832	0840 D		N22	E09	7809		1-	1						J
WROC	20	0838 E	0840 D		N26	E32	7812		1-	1						J
KAND	20	0853	0857		N23	E10	7809		1-							
OTTA	20	1051	1107	1055	N17	W50	7813		1-	1 C	1055	.15	.20			
OTTA	20	1206	1425	1215	N26	E35	7812		1-	C	1215	.24	.28			HK
KAND	20	1210	1227	1212	N24	E24	7812	17	1							
KAND	20	1236	1255		N24	E24	7812		1-							
HUAN	20	1241	1300	1248	N24	E36	7812		1-	C	1248	.30	.41			D
CLMX	20	1247 E	1257 D		N24	E36	7812		1-	C	1249	.50	.55			
SACP	20	1314 U	1339	1326	N25	E35	7812		1-	C		.26	.30		19	
HUAN	20	1321	1335	1325	N24	E36	7812		1-	C	1325	.20	.27			D
MCMA	20	1405	1413	1406	N26	E09	7809		1-	2 C	1406	.20	.20			E
SACP	20	1405	1418 D	1406	N25	E09	7809		1-	C		.65	.66		18	
OTTA	20	1405	1421	1406	N25	E09	7809		1-	2 C	1406	.28	.28			E
OTTA	20	1407	1423	1417	N24	W49	7819		1-	2 C	1417	.12	.16			
UCCL	20	1440	1457	1447	N25	E32	7812	17	1	3						E
OTTA	20	1440	1501	1446	N27	E30	7812	21	1	C	1446	1.90	2.17			
SACP	20	1441	1452	1445	N27	E30	7812		1-	C		.99	1.13		22	
MCMA	20	1441	1455	1444	N28	E32	7812		1-	2 C	1444	.80	1.10			S
HUAN	20	1441	1456	1445	N26	E30	7812		1-	C	1445	.50	.67			E
OTTA	20	1502	1516	1508	N27	E33	7812		1-	C	1508	.12	.16			
OTTA	20	1535	1553	1537	N27	E33	7812		1-	C	1537	.12	.13			
OTTA	20	1548	1557	1550	N28	E09	7809		1-	C	1550	.24	.25			
OTTA	20	1602	1643	1604	N27	E32	7812		1-	C	1604	.20	.23			
HUAN	20	1603	1609	1605	N25	E35	7812		1-	C	1605	.20	.27			D
OTTA	20	1647	1733	1649	N22	E02	7809		1-	C	1649	.04	.04			
MCMA	20	1700	1711	1705	N27	E35	7812		1-	1 C	1705	.20	.30			D
OTTA	20	1702	1712	1706	N27	E32	7812		1-	2 C	1706	.18	.20			
HUAN	20	1702	1712	1705	N25	E35	7812		1-	C	1705	.20	.27			D

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OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
HUAN	20	1748	1801	1754	N25	E35	7812		1-	C	1754	.20	.27			D
LOCK	20	1909	1918	1912	N22	E00	7809		1-	C	1912	.20	.20		20	
HALE	20	1909	1921	1911	N23	W01	7809		1-	1 P	1911	.40	.40			
MCMA	20	1910	1916	1911	N23	E00	7809		1-	2 C	1911	.10	.10			D
SACP	20	1910 U	1917 U	1911	N22	E00	7809		1-	C		.17	.17		19	
CLMX	20	2028	2100	2047	N18	W50	7813		1-	C	2047	.70	.90			
SACP	20	2033	2100 U	2039	N19	W55	7813		1-	C		.30	.43		17	
CLMX	20	2040	2053	2043	N21	E03	7809		1-	C	2043	.70	.70			
MCMA	20	2040	2057	2042	N23	E03	7809		1-	2 C	2042	.20	.20			D
CLMX	20	2125	2130	2126	N27	E30	7812		1-	C	2126	.20	.20			
MCMA	20	2125	2130	2127	N27	E33	7812		1-	2 C	2127	.20	.30			D
MCMA	20	2215	2228	2218	N23	E03	7809		1-	3 C	2218	.60	.70			S
MCMA	20	2229	2247	2231	N19	W60	7813		1-	3 C	2231	.20	.40			D
SACP	20	2241	2258	2248	N26	E03	7809		1-	C		.41	.42		18	
CLMX	20	2245 E	2255	2247	N26	E04	7809		1-	C	2247	.70	.70			
MCMA	20	2245	2256	2247	N25	E05	7809		1-	2 C	2247	.50	.60			S
CLMX	20	2320	0003	2324	N21	W58	7813	43	1	C	2324	1.50	2.10			
SACP	20	2320	2357 D	2323	N19	W59	7813	37 D	1	C		1.62	2.47		21	
MITK	20	2321 E	2326 D		N18	W60	7813	5 D	1	P						E
CLMX	20	2329	0002	2334	N12	E03	7809		1-	C	2334	.40	.40			
CLMX	20	2330	2340	2331	N26	E31	7812		1-	C	2331	.40	.44			
SACP	20	2330	2340	2331	N27	E30	7812		1-	C		.52	.59		18	
MANI	20	2333 E	2355	2335	N25	E04	7809		1-	2	2335	.33	.33			
MANI	20	2338 E	0040		N20	W59	7813		1-	2		1.00	1.40			
CLMX	21	0009	0048	0029	N21	W58	7813		1-	C	0029	.70	1.10			
SACP	21	0011 U	0045 U	0032	N18	W59	7813		1-	C		1.05	1.59		19	
IKOM	21	0045	0055		N20	W58	7813		1-	V						D
CLMX	21	0100	0109	0103	N04	E40			1-	C	0103	.50	.55			
SACP	21	0100	0110	0102	N05	E39			1-	C		.52	.58		18	
MANI	21	0105	0120	0112	N20	W58	7813		1-	2	0112	.33	.46			
CLMX	21	0114	0123 D	0119	N21	E04	7809		1-	C	0119	.50	.50			
WROC	21	0736 E	0840 D	0740	N19	W63	7813	64 D	1	2				2.60		J
KAND	21	0807 E	0952 D		N19	W64	7813	105 D	1							
ATHN	21	0755 E	0800 D		N07	E32			1-	2	0756	.20	.30			
WROC	21	0930 E	0935 D		N25	E22	7812		1-	2						H
WROC	21	0930 E	0935 D		N23	W02	7809	5 D	1	2						J
MCMA	21	1106 E	1149	1134	N24	W06	7809		1-	3 C	1137	1.10	1.20			S
WROC	21	1113 E	1123 D		N23	W02	7809	10 D	1	2						J
OTTA	21	1124	1147	1137	N23	W05	7809		1-	C	1137	1.43	1.44			F
CAPE	21	1128	1144	1134	N23	W05	7809		1-	C	1134	1.10	1.20			J
UCCL	21	1130	1149		N23	W03	7809		1-	3						E
OTTA	21	1108	1214	1124	N22	E17	7812		1-	C	1124	.09	.09			H
OTTA	21	1146	1156	1148	N25	E18	7812		1-	C	1148	.18	.19			
OTTA	21	1156	1251	1221	N25	W05	7809		1-	C	1221	.60	.61			E
OTTA	21	1213	1235	1214	N08	W32	7816		1-	C	1214	.23	.24			F
OTTA	21	1358	1403	1359	N19	W65	7813		1-	2 C	1359	.18	.31			
OTTA	21	1441	1541	1450	N26	E20	7812		1-	1 C	1450	.12	.13			
MCMA	21	1442	1454	1444	N25	E22	7812		1-	2 C	1444	.10	.10			D
HUAN	21	1444	1509	1449	N21	W66	7813		1-	C	1449	.40				EK
MCMA	21	1457	1502	1458	N18	W68	7813		1-	2 C	1458	.20	.60			D

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
					APPROX.		McMATH PLAGE REGION				TIME	MEAS. AREA	CORR. AREA	MAX. WIDTH	MAX. INT.	
	MAY 1965	START	END	MAX. PHASE	LAT.	MER. DIST.		MINUTES			U T	Sq. Deg.	Sq. Deg.	Hα	%	
OTTA	21	1457	1505	1458	N17	W67	7813		1-	1 C	1458	.27	.50			
SACP	21	1458	1503	1459	N18	W65	7813		1-	C		.61	1.06		20	
OTTA	21	1526	1535	1531	N26	E10	7812		1-	C	1531	.12	.12			
CLMX	21	1527 E	1543	1531	N25	E21	7812		1-	C	1531	.40	.44			
MCMA	21	1531	1536	1533	N25	E12	7812		1-	2 C	1533	.20	.20			D
MCMA	21	1526	1540	1530	N20	W66	7813		1-	2 C	1530	.20	.60			D
CLMX	21	1527 E	1540	1531	N20	W65	7813		1-	C	1531	.50	.85			
HUAN	21	1528	1536	1531	N21	W65	7813		1-	C	1531	.20				D
OTTA	21	1529	1536	1531	N19	W65	7813		1-	2 C	1531	.18	.31			
CLMX	21	1554	1606	1558	N26	W08	7809		1-	C	1558	.50	.50			
OTTA	21	1554	1607	1557	N23	W08	7809		1-	2 C	1557	.42	.43			
HUAN	21	1714	1730 D		N18	W68	7813		1-	P	1726	.20				D
OTTA	21	1722 E	1736		N18	W68	7813		1-	2 C	1722	.60	1.06			F
OTTA	21	1814	1835 D	1825	N18	W69	7813		1-	3 C	1825	.36	.67			E
MCMA	21	1849	1905	1855	N25	W08	7809		1-	2 C	1855	.40	.40			S
HALE	21	1849	1906	1856	N24	W10	7809		1-	2 C	1856	.70	.70			
HALE	21	1852	1908	1900	N18	W70	7813		1-	2 C	1900	.70	1.40			
OTTA	21	2026 E	2029 D		N24	W10	7809		1-	2 C	2027	.18	.18			
MCMA	21	2040	2051	2042	N18	W70	7813		1-	3 C	2042	.20	.60			D
HALE	21	2047 E	2059		N17	W72	7813		1-	3 P	2047	.70	1.50			
MCMA	21	2120	2158	2125	N21	W10	7809		1-	3 C	2125	.20	.20			D
HALE	21	2126	2129	2127	N23	W11	7809		1-	2 C	2127	.40	.40			
HALE	21	2128	2155	2136	N17	W71	7813		1-	2 C	2136	.60	1.20			
HALE	21	2244 E	2319	2252	N18	W74	7813		1-	2 P	2252	.60	1.40			
HALE	21	2342	2347	2343	N23	W11	7809		1-	3 C	2343	.10	.10			
HALE	21	2347	0025	0002	N23	W09	7809		1-	3 C	0002	.50	.50			
SACP	22	0000	0017	0005	N24	W10	7809		1-	C		.52	.53		19	
MANI	22	0002 E	0010		N28	W06	7809		1-	1		.25	.25			
MITK	22	0003 E	0016	0003	N23	W10	7809	13 D	1	V	0003	.82	.93	1.85	120	D
HALE	22	0052	0104	0054	N17	W75	7813		1-	3 C	0054	.40	1.00			
SACP	22	0053	0101	0054	N16	W72	7813		1-	C		.35	.72		18	
SACP	22	0115 E	0131 D	1210	N19	W70	7813		1-	P		.30	.60		19	
HALE	22	0117	0147	0123	N18	W74	7813		1-	2 C	0123	.40	1.00			
HALE	22	0151	0204	0153	N18	W75	7813	13	1	3 C	0153	1.00	2.40			
HALE	22	0205	0222	0208	N18	W75	7813		1-	3 C	0208	.30	.70			
HALE	22	0232	0237	0234	N18	W73	7813		1-	3 C	0234	.20	.50			F
HALE	22	0250	0259	0253	N18	W75	7813		1-	3 C	0253	.30	.70			
HALE	22	0354	0400	0356	N18	W80	7813		1-	1 C	0356	.20	.50			
WROC	22	0655 E	0720 D		N18	W70	7813		1-	1				2.80		J
ONDR	22	0727	0748	0733	N24	E10	7812	21	1	3	0730			1.70		CEH
WROC	22	0744 E			N27	E12	7812		1-	1						HFJ
WEND	22	0802 E	0814 D		N20	W73	7813		1-							
ATHN	22	0804	0815	0807	N19	W76	7813		1-	2	0807	.40	1.80			
IKOM	22	0805	0815		N20	W76	7813	10	1	V					80	D
CATA	22	0805	0830	0810	N21	W79	7813		1-	3	0810	.58	1.01		174	DH
WROC	22	0928 E			N18	W70	7813		1-	1				2.80		JL
UCCL	22	1106	1208		N20	W85	7813	62	1	3						EK
WEND	22	1124 E	1136 D		N20	W75	7813		1-							
SACP	22	1309	1327	1317	N18	W78	7813		1-	C		.35	.90		20	
CLMX	22	1309	1331	1326	N19	W80	7813		1-	C	1326	.70	1.70			

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
					APPROX.		McMATH				TIME	MEAS. AREA	CORR. AREA	MAX. WIDTH	MAX. INT.	
	MAY 1965	START	END	MAX. PHASE	LAT.	MER. DIST.	PLAGE REGION	— MINUTES			— U T	Sq. Deg.	Sq. Deg.	Hα	%	
HUAN	22	1311	1337		N19	W85	7813		1-	P	1321	.30				D
MCMA	22	1313	1329	1317	N18	W85	7813		1-	3 C	1317	.50				D
CAPS	22	1313 E	1334		N17	W79	7813		1-	3	1321	.25	.80		160	CJ
HUAN	22	1425	1437		N19	W85	7813		1-	P	1434	.30				E
CLMX	22	1512	1551	1532	N19	W80	7813		1-	C	1532	.50	1.20			
CLMX	22	1611	1637	1627	N19	W86	7813		1-	C	1627	.70	1.90			
HUAN	22	1633 E	1640		N19	W85	7813		1-	P	1635	.25				D
CLMX	22	1633	1651	1642	N22	W00	7812		1-	C	1642	.50	.50			
SACP	22	1633	1704	1642	N23	W01	7812		1-	C		.41	.61		19	
OTTA	22	1634	1702	1644	N23	W00	7812		1-	2 C	1644	.18	.18			H
OTTA	22	1654	1703	1658	N23	W22	7809		1-	C	1658	.12	.13			
OTTA	22	1739	1817	1753	N24	W22	7809		1-	C	1753	.15	.16			H
MCMA	22	1752	1800	1755	N25	W20	7809		1-	2 C	1755	.10	.10			D
HALE	22	1916	1940	1929	N17	W90	7813		1-	1 C	1929	.60				
CLMX	22	1922 E	1940	1929	N19	W90	7813		1-	C	1929	.40	2.00			
MCMA	22	1925	1933	1929	N18	W88	7813		1-	2 C	1929	.50				
CLMX	22	1940	1943		N26	E18	7812		1-	C	1943	1.20	1.30			
MCMA	22	1938	2008 D	1944	N26	W20	7809	30 D	1	2 C	1944	1.70	2.10			S
SACP	22	1940	1953 D	1944	N25	W19	7809	13 D	1	C	1950	2.72	2.88		22	
HALE	22	1942	2009		N25	W20	7809	27	1	3 P	1947	2.20	2.20			F
HUAN	22	1943	1957	1947	N27	W20	7809		1-	C	1947	1.00	1.22			E
HALE	22	1942	2016		N17	W90	7813		1-	2 P	2003	.70				
HUAN	22	1959	2009	2002	N19	W90	7813		1-	C	2002	.50				E
MCMA	22	2000	2007	2002	N18	W90	7813		1-	2 C	2002	.30				
HALE	22	2054	2127	2111	N17	W90	7813		1-	1 C	2111	.60				
HALE	22	2147	2200	2154	N17	W90	7813		1-	1 C	2154	.40				
MCMA	22	2244	2249 D	2246	N18	W90	7813		1-	1 P	2246	.20				
	22	2305	2310	NO FLARE	PATROL											
CULG	22	2313 E	2320 D	2317	N07	W54	7816		1-	P	2317	.40	.68			G
HALE	22	2326	2331	2328	N17	W90	7813		1-	2 C	2328	.30				
CLMX	22	2326	2358	2328	N19	W90	7813		1-	C	2328	.40	2.00			
HALE	22	2337	0002	2344	N17	W90	7813		1-	2 C	2344	.40				
CLMX	22	2337	2350	2343	N24	W02	7812		1-	C	2343	.60	.60			
	23	0040	0045	NO FLARE	PATROL											
HALE	23	0159	0207	0202	N17	W90	7813		1-	2 C	0202	.30				
HALE	23	0223	0244	0226	N24	W24	7809		1-	2 C	0226	.20	.20			
HALE	23	0223	0328	0233	N24	W22	7809		1-	2 C	0233	.30	.30			
CULG	23	0236	0313	0248	N22	W29	7809		1-	C	0248	.60	.75			
HALE	23	0314	0325	0322	N18	W90	7813		1-	3 C	0322	.10				H
HALE	23	0351	0355	0352	N17	W90	7813		1-	3 C	0352	.10				
CULG	23	0530	0610	0553	N05	E25			1-	C	0553	.40	.44			GL
CULG	23	0542	0552	0545	N24	W07	7812	10	1	C	0545	2.00	2.20			H
CATA	23	0625 E	0645	0636	N21	W90	7813		1-	1	0636	.14	.80		132	D
OTTA	23	1248 E	1353 D		N22	W10	7812		1-	1 C	1307	.18	.18			H
OTTA	23	1550	1617	1552	N22	W12	7812		1-	C	1552	1.64	1.68			E
CAPS	23	1556	1606		N27	E00	7812		1-	3	1600	1.00	1.10			
OTTA	23	1600	1623	1603	N21	W15	7812		1-	C	1603	.21	.21			H
OTTA	23			1618												
SACP	23	1620 E	1625	1620 U	N22	W15	7812		1-	P		.26	.26		18	
HALE	23	1707	1720	1714	N17	W90	7813		1-	3 P	1714	.20				

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION APPROX.		McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
	MAY 1965	START	END	MAX. PHASE	LAT.	MER. DIST.					TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
HALE	23	1744	1804	1749	N21	W41	7809		1-	3 C	1749	.20	.20			
HALE	23	1806	1819	1809	N21	W41	7809		1-	3 C	1809	.70	.80			
HALE	23	1810	1812	1811	N16	W90	7813		1-	3 C	1811	.20				H
LOCK	23	1901	1920	1908	N21	W39	7809		1-	C	1908	.40	.40		10	HJ
HALE	23	1904	1915	1908	N21	W41	7809		1-	3 C	1908	.20	.20			HJ
HALE	23	1927	1935	1930	N22	W42	7809		1-	3 C	1930	.40	.50			H
HALE	23	2033	2037	2034	N15	W90	7813		1-	3 C	2034	.10				H
LOCK	23	2346	0012	2351	N24	W32	7809		1-	C	2351	.50	.50		20	
OTTA	24	1635	1653	1648	N25	W46	7809		1-	2 C	1648	.36	.47			
OTTA	24	1644	1656	1648	N30	E90	7827		1-	1 C	1648	.30				
OTTA	24	1650	1737	1703	N26	W43	7809		1-	2 C	1703	1.08	1.35			E
SACP	24	1700	1738 U	1706	N26	W43	7809		1-	C		1.04	1.31		19	
CLMX	24	1701 E	1725		N28	W43	7809		1-	C	1708	.70	.90			
MCMA	24	1702	1733		N27	W45	7809		1-	1 P	1709	.80	1.30			S
HUAN	24	1704 E	1723 D		N27	W43	7809		1-	P						E
HALE	24	1816	1822	1818	N20	W48	7809		1-	3 C	1818	.10	.10			
HALE	24	1853	1905	1856	N20	W48	7809		1-	3 C	1856	.30	.40			
HALE	24	1910	1921	1915	N23	W48	7809		1-	3 C	1915	.30	.40			F
HALE	24	2150	2219	2202	N24	W27	7812		1-	1 C	2202	.80	.90			F
MCMA	24	2220 E	2240 D	2223	N23	W28	7812		1-	2 P	2223	.40	.50			E
HALE	25	0338	0346	0339	N24	W28	7812		1-	3 C	0339	.20	.20			
HALE	25	0419	0446 D	0434	N27	W51	7809		1-	2 P	0434	1.00	1.40			F
SACP	25	1349	1359	1356	N19	W65	7809		1-	C		.80	1.23		17	
OTTA	25	1352	1358	1355	N18	W77	7809		1-	C	1355	.15	.26			
HALE	25	1631	1640	1634	N20	W69	7809		1-	2 C	1634	.10	.20			
HALE	25	1645	1651	1648	N22	W60	7809		1-	3 C	1648	.40	.60			
SACP	25	1647	1655	1651	N19	W67	7809		1-	C		.43	.79		20	
OTTA	25	1647	1718	1651	N19	W78	7809		1-	1 C	1651	.24	.44			H
HALE	25	1744	1755	1752	N18	W70	7809		1-	3	1752	.20	.40			H
HALE	25	1802	1816	1805	N18	W70	7809		1-	3	1805	.20	.40			
LOCK	25	1921	1929	1924	N17	W49	7812		1-	C	1924	.20	.20		10	
HALE	25	2005	2014	2007	N20	W72	7809		1-	3	2007	.20	.40			F
LOCK	25	2005	2015	2008	N19	W69	7809		1-	C	2008	.60	1.20		20	
SACP	25	2006	2010	2008	N20	W69	7809		1-	C		.69	1.34		19	
LOCK	25	2209	2218	2212	N19	W69	7809		1-	C	2212	.60	1.20		20	
MCMA	25	2210	2216	2212	N20	W72	7809		1-	2 C	2212	.40				E
LOCK	25	2240	2251	2245	N19	W69	7809	11	1	C	2245	1.10	2.20		20	H
VORO	25	2243	2247		N16	W75	7809	4	1	P	2243	1.17	4.70		76	DH
LOCK	25	2310	2322	2315	N32	E37	7824		1-	C	2315	.20	.20		10	
CULG	25	2317 E	2326		N32	E39	7824		1-	P	2317	.60	1.50			CG
LOCK	26	0021	0051	0026	N27	E35	7824		1-	C	0026	.60	.60		20	L
CULG	26	0023	0041	0027	N29	W38	7812	18	1	C	0027	2.40	3.48			
SACP	26	0025	0036	0027	N28	W37	7812		1-	C		.87	1.04		19	
CULG	26	0247	0258	0252	N28	W38	7812		1-	C	0252	.40	.58			GL
CULG	26	0455	0510	0500	N21	W78	7809		[ ]	C	0500	1.20				
TACH	26	0504	0510	0505	N21	W79	7809	6	1	C	0505	2.10	9.50	3.60	70	JL
ARCE	26	0855 E	[ ]		N19	W85	7809		1-	2	0855	.23	.94			
OTTA	26	1235	1245	1241	N24	W72	7809		1-	2 C	1241	.30	.60			

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OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	OBSERVED UNIVERSAL TIME END	OBSERVED UNIVERSAL TIME MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
HUAN	26	1238 E	1244 D		N26	W70	7809		1-	P	1240	.20				D
SACP	26	1239	1244	1240	N24	W68	7809		1-	C		.26	.50		18	
SACP	26	1343	1349	1346	N21	W79	7809		1-	C		.13	.35		17	
	27	0150	0200	NO FLARE	PATROL											
CULG	28	0054	0104 D	0100	N30	E45	7827		1-	P	0100	.40	.66			G
CAPS	28	0916 E	1038 D		N25	W90	7812	82	2	2	0940	1.00			204	EJ
LOCK	28	2034	2120	2046	N29	E28	7827		1-	C	2046	.40	.40		20	L
CULG	28	2156	2210	2200	N18	E66	7832		1-	C	2200	.60	1.50			CG
LOCK	29	1840	1910	1845	N38	E90	7838		1-	C	1845	.30	1.50		20	H
LOCK	29			1857												
	30	0635	0705	NO FLARE	PATROL											

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OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
MITK	01	0432	0451		N29	E90	7794		1-	C						G
KANZ	01	0723 E	0927		N27	E90	7794	124 D	2							AG
ARCE	01	0824 E	0835 D		N29	E90	7794		1-	2	0824	.23	1.31			
ARCE	01	0925 E	0943 D		N29	E90	7794		1-	2	0925	.42	2.40			
CATA	01	0930 E	1000 D	0934	N30	E90	7794		1-	1	0934	.30	1.71		129	DG
HUAN	01	1426	1437		N28	E90	7794		1-	P	1428	.25				E
SACP	01	1427	1436 D	1433	N28	E85	7794		1-	C		.86			26	
KANZ	01	1547	1617 D		N28	E85	7794		1-							CD
SACP	01	1854	1907	1858	N29	E80	7794		1-	C		.47			19	
LOCK	01	2001	2013	2005	N30	E90	7794		1-	C	2005	.20	1.00		10	
SACP	02	0008	0015	0010	N27	E76	7794		1-	C		.17	.46		19	
SACP	02	0045	0100	0050	N28	E74	7794		1-	C		.69	1.71		23	
MITK	02	0045	0101	0051	N28	E78	7794		1-	V	0049	2.06		7.51	122	D
MANI	02	0045	0106	0051	N28	E80	7794		1-	2	0051	.45	1.08			
KANZ	02	0740 E	0805		N28	E75	7794	25 D	1							
MANI	02	0757	0812	0805	N28	E76	7794		1-	2	0805	.80	1.84			
MANI	02	0843 E	0850		N28	E76	7794		1-	2	0845	.25	.58			
ONDR	02	1207	1241	1214	N30	E64	7794	34	1+	3	1214			2.60		CEHJKR
HUAN	02	1233 E	1240 D		N27	E69	7794		1-	P	1233	.23				E
HUAN	02	1405	1410	1407	N27	E71	7794		1-	C	1407	.10				D
HUAN	02	1743	1813	1800	N27	E63	7794		1-	C	1800	.10				D
HUAN	02	1928	2058	1945	N28	E65	7794		1-	C	1945	.20				DK
HUAN	02			2010												
LOCK	06	2140	2210	2158	N30	E80	7801		1-	C	2158	.10	.30		20	
LOCK	07	0045	0112	0100	N30	E80	7801		1-	C	0100	.10	.30		20	
ARCE	07	0842 E	0920 D		N34	W48	7799		1-	2	0910	.78	1.41			
KANZ	07	1400 E	1402		N36	E46			1-							D
SACP	07	1432	1510	1459	N36	W49	7799		1-	C		.60	.90		18	
HUAN	07	1436	1454	1442	N37	W48	7799		1-	C	1442	.25	.53			E
KANZ	07	1444	1455 D		N36	E46			1-							D
HUAN	07	1511	1522	1516	N36	W49	7799		1-	C	1516	.25	.53			D
MCMA	07	1557	1658	1602	N35	W52	7799		1-	3 C	1602	.30	.60			DH
MITK	08	0241	0321	0253	N36	W58	7799		1-	C						D
MITK	08	0500	0512	0505	N36	W60	7799		1-	C						D
MITK	08	0717	0738	0721	N36	W59	7799		1-	C						E
MITK	08	0743	0800	0747	N36	W60	7799		1-	C						D
ARCE	08	0817 E	0902 D		N34	W62	7799		1-	2	0838	.56	1.35			
KANZ	08	0818 E	0850 D		N36	W60	7799		1-							D
ARCE	08	1000 E	□		N34	W62	7799		1-	2	1000	.49	1.18			
HUAN	08	1412 E	1516 D		N37	W62	7799		1-	P	1502	.45				E
MCMA	08	1420 E	1510	1438	N35	W67	7799	50 D	1	2 C	1438	.80	2.40			EH
SACP	08	1423	1507	1437	N35	W63	7799		1-	C		.87	1.66		20	
KANZ	08	1450 E	1512		N36	W63	7799	22 D	1							
MCMA	08	1543	1548	1544	N35	W68	7799		1-	2 C	1544	.50	1.50			EH
MCMA	08	1710 E	1723 D		N35	W69	7799		1-	1 P	1715	.50	1.50			EH
HUAN	08	1720 E	1800 D		N35	W63	7799		1-	P	1735	.20				E
MCMA	08	1805 E	1830 D	1807	N35	W69	7799	25 D	1	2 P	1807	.80	2.40			E

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HUAN	08	1806	1815 D		N36	W63	7799		1-	P	1811	.25				E
MCMA	08	1906	1919	1911	N37	W70	7799		1-	2 C	1911	.40	1.20			EH
HUAN	08	1910	1934 D		N36	W63	7799		1-	P	1916	.34				E
HUAN	08	2011 E	2013 D		N36	W63	7799		1-	P	2011	.27				E
HUAN	08	2053 E	2055 D		N36	W63	7799		1-	P	2053	.20				E
MCMA	08	2054	2100	2055	N37	W70	7799		1-	2 C	2055	.30	1.00			D
CATA	09	1000 E	1110 D	1002	N34	W78	7799		1-	2	1002	.14	.45		132	D
MCMA	09	1157	1214	1202	N35	W88	7799		1-	2 C	1202	.20				D
MCMA	09	1259	1308	1302	N35	W88	7799		1-	2 C	1302	.20				D
HUAN	09	1435	1455		N37	W80	7799		1-	C	1446	.13				DK
HUAN	09	1511	1531	1520	N37	W80	7799		1-	C	1520	.25				D
SACP	09	1515	1531	1520	N35	W76	7799		1-	C		.17	.48		18	
MCMA	09	1518	1525	1521	N35	W88	7799		1-	2 C	1521	.20				D
MCMA	09	1523	1550	1528	N23	E86	7803		1-	2 C	1528	.30				D
MCMA	09	1612 E	1629 D		N23	E86	7803		1-	1 P	1612	.20				D
HUAN	09	1615	1629		N38	W85	7799		1-	C	1625	.20				DK
HUAN	09	1859	1931	1912	N37	W90	7799		1-	C	1912	.38				D
MCMA	09	1900 E	1914 D		N35	W90	7799		1-	1 P	1911					
HUAN	09	2016	2043	2019	N38	W90	7799		1-	C	2027	.25				DK
HUAN	09			2027												
CATA	10	0620	0930 D	0818	N36	W90	7799	190 D	1	5	0818	.38	2.16		118	FG
ARCE	10	0805 E	0850 D		N34	W90	7799		1-	2	0810	.34	1.93			
ISTA	10	0740 E	0900		N46	W90	7799	80 D	1							
ARCE	10	0930 E	0935 D		N34	W90	7799		1-	2	0930	.20	1.14			
KAND	10	1145 E	1218		N36	W90	7799	33 D	1+	D						
KAND	10	1246	1252	1248	N35	W90	7799		1-	D						
MITK	12	0459	0515	0502	N24	E46	7803		1-	C						GH
MITK	12	0633	0637	0635	N22	E41	7803		1-	C						DGH
ARCE	12	0828 E	□		N23	E42	7803		1-	2	0828	.75	1.12			
CAPS	12	1301	1316		S15	W33	7805		1-	3	1305	.80	1.00		153	G
KANZ	12	1320 E	1415 D		S15	W40	7805		1-							E
MCMA	12	2044	2105 D	2047	N22	E35	7803		1-	2 C	2047	.50	.70			EH
HUAN	12	2045	2103 D	2047	N21	E35	7803		1-	P	2047	.20	.27			EK
HUAN	12			2058												
HUAN	12	2125 E	2137 D		N20	E34	7803		1-	P	2128	.25	.33			EK
SACP	12	2343 U	2359 U	2355	N23	E32	7803		1-	C		1.31	1.47		18	
KAND	14	0930	1007		N28	E90	7809		1-	D						
OTTA	14	1037 E	1113	1053	S15	W64	7805		1-	2 C	1053	.50	.80			E
KAND	14	1040	1115	1047	S13	W65	7805	35	1+	D						
CAPS	14	1046 E	1103		S10	W60	7805		1-	2	1047	.50	.90		157	DG
KAND	14	1120	1126		N28	E90	7809	6	1	D						
KAND	14	1136	1146		N28	E90	7809		1-	D						
CATA	15	0612 E	0700 D	0612	N21	E02	7803		1-	3	0612	.60	.66		145	EH
KANZ	15	1058 E	1105 D		N20	E76	7809		1-							D
MCMA	15	1200	1207	1203	N25	E90	7809		1-	2 C	1203	.40				T
SACP	15	1355	1402	1356	N21	W02	7803		1-	C		.48	.48		18	

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OBSERVATORY	DATE MAY 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
LOCK	15	1754	1815	1805	N26	E90	7809		1-	C	1805	.30	1.50		20	HJ
LOCK	15	1900	1955	1917	N26	E90	7809	55	1	C	1917	.60	3.00		20	HJ
LOCK	16	0103	0129	0111	N25	E90	7812	26	1	C	0111	.60	3.00		20	HJ
CAPS	16	0600 E	0735		N26	E90	7812	95 D	2	2	0615	2.00				HIJK
CATA	16	0630 E	1200 D	0900	N25	E90	7812	330 D	2	2	0900	1.62	9.21		178	J
CAPS	16	0738	0942		N26	E90	7812	124	2	3	0805	.90				HIJK
KANZ	16	0755 E	0930 D		N24	E89	7812	95 D	1+							A
ARCE	16	0810 E	0820 D		N26	E90	7812	10 D	2	1	0810	1.17	6.44			
ARCE	16	0830 E	0915 D		N26	E90	7812	45 D	1	1	0900	.69	3.92			
CAPS	16	1042	1245		N26	E88	7812	123	2	3	1130	1.00				HIJK
MCMA	16	1217 E	1515		N26	E90	7812	178 D	1+	2 P	1219	1.00				FH
HUAN	16	1243	1301	1247	N25	E90	7812		1-	C	1258	.20				DK
HUAN	16			1258												
CAPS	16	1255	1402		N26	E86	7812	67	1	3	1338	.80				EI
WEND	16	1314 E	1336 D		N23	E88	7812	22 D	2+				16.00			
KANZ	16	1316 E	1342 D		N24	E88	7812	26 D	1+							CH
HUAN	16	1329	1400	1339	N25	E90	7812		1-	C	1358	.34				DK
HUAN	16			1353												
HUAN	16			1358												
HUAN	16	1427	1506		N24	E90	7812		1-	P	1435	.20				DK
HUAN	16	1513	1529	1518	N24	E90	7812		1-	C	1518	.20				D
CAPS	16	1515 E	1538		N26	E86	7812	23 D	1	2		.90				EHI
MCMA	16	1925 E	1933 D		N26	E88	7812		1-	2 P	1928	.20				D
MCMA	16	1954 E	2000 D		N25	E88	7812		1-	2 P	2000	.10				D
HUAN	16	1957	2006	2001	N24	E90	7812		1-	C	2000	.25				D
MCMA	16	2032 E	2057 D		N25	E88	7812		1-	2 P	2032	.20				D
HUAN	16	2034	2045 D		N24	E90	7812		1-	P	2037	.25				D
LOCK	16	2037	2112	2050	N24	E90	7812	35	1	C	2050	.70	3.50		20	J
HALE	16	2214	2240 D	2217	N23	E90	7812		1-	3 P	2228	.90				K
HALE	16			2228												
LOCK	16	2215	2340	2225	N24	E90	7812	85	1	C	2225	.70	3.50		20	HJ
LOCK	16	2303	2338	2314	N24	E90	7812	35	1	C	2314	.90	4.50		20	HJ
MITK	16	2312 E	2315		N25	E85	7812	4 D	2	P						B
HALE	17	0009	0028 D	0018	N24	E90	7812	19 D	1	2 P	0018	1.00				H
LOCK	17	0030	0119	0039	N24	E90	7812	49	1	C	0102	1.00	5.00		20	
LOCK	17			0102												
HALE	17	0032 E	0058	0035	N24	E90	7812	26 D	1	1 P	0035	1.70				H
MITK	17	0043 E	0053		N26	E88	7812	10 D	1+	C						
HALE	17	0059	0105 D	0104	N24	E90	7812	6 D	1	2 P	0104	1.70				
MITK	17	0103 E	0117	0103	N24	E88	7812	14 D	1	V	0108	1.54		4.74	107	E
MITK	17	0124	0143	0127	N26	E85	7812	19	1	V	0131	1.54		3.16	96	E
MITK	17	0152	0210	0152	N26	E85	7812	18	1	V	0152	1.23		2.23	107	E
MITK	17	0226	0240	0229	N24	E88	7812		1-	V	0229	.26		2.63	96	E
MITK	17	0240	0321	0249	N26	E85	7812	41	1	V	0250	1.23		3.89	120	D
MITK	17	0324	0422	0350	N26	E85	7812	58	1	V	0350	2.01		2.29	107	
KODA	17	0340 E	0402 D	0350	N25	E80	7812	22 D	1	C		1.30		4.36		
MITK	17	0405	0418	0412	N26	E50	7809		1-	C						D
MITK	17	0433	0452	0444	N26	E85	7812	19	1	C						
MITK	17	0518	0545	0521	N26	E82	7812	27	1	C						

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MITK	17	0603	0619	0612	N26	E82	7812	16	1	C						E
CATA	17	0630	0650	0636	S25	E47	7810		1-	1	0636	.38	.60		155	E
ONDR	17	0637 E	0648		S22	E48	7810		1-	3	0638			1.30		CEG
CATA	17	0635	0655	0646	N24	E80	7812		1-	1	0646	.28	.90		182	D
MITK	17	0636	0648	0645	N26	E83	7812		1-	C						D
MITK	17	0653	0713	0705	N26	E76	7812		1-	C						D
KANZ	17	0755 E	0820		N23	E80	7812	25 D	1+							
ARCE	17	0810 E	0828 D		N26	E79	7812	18 D	1	3	0810	1.31	4.19			
KAND	17	0923	1000		N26	E75	7812	37	2	D						
KAND	17	0948	0957		N27	E90	7812		1-	D						
CAPS	17	1001	1008		N25	E80	7812		1-	3	1005	.20			201	D
KAND	17	1002	1039		N26	E75	7812	37	2	D						
KAND	17	1045	1155		N26	E75	7812	70	2	D						
KANZ	17	1049	1052 D		N23	E80	7812		1-							D
KAND	17	1105	1110		N24	E68	7809		1-	D						
KAND	17	1112	1119		N28	E90	7812		1-	D						
KAND	17	1200	1215		N26	E75	7812		2-	D						
KAND	17	1216	1228		N26	E75	7812	12	1	D						
SACP	17	1302	1313	1307	N26	E81	7812		1-	C		.26			20	
HUAN	17	1323	1334	1327	N23	E73	7812		1-	C	1327	.45				E
HUAN	17	1344	1349	1345	N23	E72	7812		1-	C	1345	.25				D
HUAN	17	1354	1359	1356	N23	E72	7812		1-	C	1356	.20				D
HUAN	17	1406 E	1418 D		N23	E72	7812		1-	P	1414	.20				D
CAPS	17	1430 E	1452 D		N26	E50	7809	22 D	1	3	1441	1.40	2.40		189	CE
HUAN	17	1431	1440	1436	N25	E48	7809		1-	C	1436	.30	.50			E
SACP	17	1435	1443	1438	N25	E69	7812		1-	C		.43	.87		18	
HUAN	17	1436	1442	1438	N22	E70	7812		1-	C	1438	.20				D
CAPS	17	1441 E	1458 D		N25	E78	7812	17 D	1	3	1449	1.10	3.20		205	CE
HUAN	17	1445	1451	1448	N23	E69	7812		1-	C	1448	.20				E
SACP	17	1445	1452	1448	N25	E68	7812		1-	C		.34	.68		19	
SACP	17	1858	1903	1901	N21	E43	7809		1-	C		.61	.74		23	
HALE	17	1859	1903	1901	N21	E43	7809		1-	3 C	1901	1.00	1.20			H
LOCK	17	1859	1907	1902	N21	E40	7809		1-	C	1902	.50	.50		20	JL
HUAN	17	1901 E	1903		N22	E45	7809		1-	P	1902	.20	.30			D
HUAN	17	1902	1905 D		N26	E76	7812		1-	P	1902	.20				D
HALE	17	2027	2036	2032	N23	E62	7812		1-	2 C	2032	.20	.40			
SACP	17	2321	2333	2325	N20	W19	7813		1-	C		.17	.17		19	
MITK	17	2348	0006	2355	N27	E65	7812		1-	C						D
MITK	18	0159	0213	0204	N23	E42	7809		1-	C						D
MITK	18	0314	0340	0322	N25	E66	7812		1-	C						D
MANI	18	0322 E	0340	0326	N24	E69	7812		1-	2	0326	.50	.95			
MITK	18	0459	0530	0512	N26	E41	7809	31	1	C						E
MITK	18	0539	0558	0542	N27	E38	7809		1-	C						D
MITK	18	0546	0612	0552	N25	E65	7812	26	1	C						E
MANI	18	0625	0658	0635	N25	E68	7812		1-	2	0635	1.00	1.90			
MITK	18	0627	0700	0640	N26	E65	7812	33	1	C						
WEND	18	0630 E	0652 D		N23	E62	7812	22 D	1+				6.00			
CAPS	18	0637 E	0653		N25	E64	7812	16 D	1	3	0643	.80	2.10		182	CEH
CATA	18	0638	0650	0645	N24	E65	7812		1-	3	0645	.16	.36		155	DH
BUCA	18	0648 E	0700 D	0648	N26	E64	7812		1-				1.60			

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KAND	18	0821	0836		N21	W45	7803		1-	D						
KAND	18	0822	0834		N18	W23	7813		1-	D						
CATA	18	0824	0858 D	0846	N25	E63	7812		1-	3	0854	.50	1.08		166	E
KAND	18	0826	0850	0832	N27	E64	7812	24	1+	D						
BUCA	18	0832 E	0850 D		N26	E64	7812		1-				1.60			
KANZ	18	0836	0926		N28	E67	7812		1-							K
CAPS	18	0837	0907		N20	W23	7813		1-	3	0841	.30	.30		240	DG
CATA	18	0838	0858	0843	N20	W23	7813		1-	3	0843	.46	.55		174	D
KAND	18	0838	0904	0839	N18	W23	7813	26	1+	D						
BUCA	18	0839 E	0848 D	0839	N20	W20	7813		1-				1.80			
HERS	18	0840 E	0850	0841	N20	W20	7813		1-	3	0841	.30	.40			CD
KANZ	18	0840	0905 D		N20	W22	7813	25 D	1							
BUCA	18	0836 E	0850 D		N21	W40	7803		1-				.80			
CATA	18	0840	0849 D	0843	N22	W40	7803		1-	3	0843	.44	.65		178	E
KANZ	18	0842	0951		N21	W41	7803		1-							
KAND	18	0843	0901		N21	W45	7803	18	1	D						
CAPS	18	0843	0907		N23	W41	7803		1-	3	0845	.50	.70			DJ
KANZ	18	0848 E	0902 D		N26	E61	7812		1-							E
CAPS	18	0902	0926		N27	E60	7812		1-	3	0905	.50	1.20			EJ
CAPS	18	0943	1030 D		N20	W23	7813		1-	3	0955	.20	.20			DGJ
CAPS	18	0959	1019 D		N22	W41	7803		1-	3	1004	.90	1.40			EJ
MCMA	18	1222	1245 D	1226	N22	E30	7809		1-	3 C	1226	.30	.40			EH
CAPS	18	1224 E	1236		N22	E32	7809		1-	3	1233	.90	1.20		234	EJ
MCMA	18	1234	1238	1236	N27	E65	7812		1-	3 C	1236	.30	.70			D
KANZ	18	1415 E	1455		N19	E31	7809		1-							
HUAN	18	1445	1457	1450	N23	E58	7812		1-	C	1450	.20				E
KANZ	18	1447	1503		N25	W60	7803		1-							
KANZ	18	1526	1550		N19	E29	7809	24	1							
KANZ	18	1542	1459		N25	W57	7803		1-							
SACP	18	1625	1645	1635	N21	E28	7809		1-	C		.61	.65		19	
HUAN	18	1626 E	1630 D		N20	E28	7809		1-	P	1628	.25	.31			E
MCMA	18	1627	1645	1630	N22	E28	7809		1-	2 C	1630	.30	.40			EH
MCMA	18	1721	1730	1724	N27	E63	7812		1-	2 C	1724	.20	.40			D
SACP	18	1737	1748 D	1740	N19	E11	7809		1-	P		.26	.26		18	
MCMA	18	1748	1755	1750	N27	E63	7812		1-	2 C	1750	.30	.70			E
MCMA	18	1828	1835	1829	N22	E27	7809		1-	2 C	1829	.30	.40			E
MCMA	18	1844	1915	1856	N22	E27	7809		1-	2 C	1856	.60	.70			EK
LOCK	18	1849	1902	1855	N19	E24	7809		1-	C	1855	.60	.60		20	L
SACP	18	1850	1917 U	1858 U	N20	E27	7809		1-	P		1.75	1.86		19	
HALE	18	1852	1901	1857	N18	E26	7809		1-	1 C	1857	.60	.60			
LOCK	18	1854	1911	1902	N18	E28	7809		1-	C	1902	.50	.50		10	
HUAN	18	1915 E	1923		N20	E28	7809		1-	P	1920	.20	.25			D
MCMA	18	2000	2015	2003	N25	E29	7809		1-	1 C	2003	.20	.30			D
MCMA	18	2107	2120	2109	N25	E29	7809		1-	2 C	2109	.20	.30			D
SACP	18	2326	2351 D	2344 U	N19	W32	7813		1-	P		.43	.47		19	
MANI	18	2334 E	2355	2348	N20	W34	7813		1-	2	2348	.17	.19			
MANI	19	0731 E	0740	0733	N24	E53	7812		1-	2	0733	.17	.24			
BUCA	19	0731 E	0742 D		N26	E50	7812		1-				1.00			
CATA	19	0735	0755	0736	N24	E50	7812		1-	2	0736	.82	1.43		182	E
BUCA	19	1036 E	1044 D		N24	E24	7809		1-				.70			

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MCMA	19	1128	1133	1129	N21	E17	7809		1-	2 C	1129	.20	.20			E
MCMA	19	1140	1149	1141	N23	E17	7809		1-	2 C	1141	.20	.20			D
SACP	19	1220	1237	1222	N20	E18	7809		1-	C		.36	.37		18	
MCMA	19	1222	1229	1223	N21	E17	7809		1-	2 C	1222	.20	.20			E
MCMA	19	1319	1335		N19	W42	7813		1-	2 C	1323	.30	.40			S
SACP	19	1423	1455	1429	N26	E22	7809		1-	C		1.09	1.17		20	
HUAN	19	1424 E	1443 D		N25	E22	7809		1-	P	1426	.65	.78			E
CAPS	19	1424 E	1446		N24	E25	7809		1-	3	1430	1.20	1.50		165	CF
MCMA	19	1424	1451	1427	N27	E23	7809		1-	2 C	1427	.50	.60			S
SACP	19	1508	1521	1511	N26	E46	7812		1-	C		.56	.74		20	
HUAN	19	1509	1514	1511	N24	E46	7812		1-	C	1512	.30	.50			E
MCMA	19	1509	1516	1511	N27	E47	7812		1-	2 C	1511	.50	.70			EH
CAPS	19	1530	1552		N20	W41	7813		1-	3	1537	.40	.60		190	D
MCMA	19	1532	1542	1534	N19	W44	7813		1-	1 C	1534	.30	.40			S
MCMA	19	1600	1612	1602	N27	E23	7809		1-	2 C	1602	.40	.50			S
SACP	19	1600	1619 U	1602	N26	E22	7809		1-	C		.61	.65		18	
SACP	19	1723	1733	1725	N20	E15	7809		1-	C		.26	.26		18	
HALE	19	1801 E	1820	1803	N17	W42	7813		1-	3 P	1803	1.60	1.90			
HALE	19	1820	1902	1827	N24	E43	7812	42	1	3 C	1827	2.00	2.60			F
LOCK	19	1821	1845	1826	N25	E41	7812		1-	C	1826	.80	.80		20	H
MCMA	19	1821	1850 D	1824	N27	E45	7812	29 D	1	2 C	1824	1.30	2.10			S
HUAN	19	1821 E	1904		N23	E46	7812	43 D	1	P	1832	1.35	2.24			E
SACP	19	1821	1908	1826	N25	E44	7812		1-	C		1.40	1.76		21	
HALE	19	1848	1856	1852	N27	E42	7812		1-	3 C	1852	.60	.80			
MCMA	19	1902	1957	1923	N18	W42	7813		1-	2 C	1923	.50	.70			SHK
HALE	19	1918	1952	1924	N17	W41	7813		1-	3 C	1924	1.00	1.20			
HALE	19	1948	2010	1953	N20	E12	7809		1-	3 C	1953	.40	.40			
MCMA	19	1951	2002	1953	N20	E20	7809		1-	2 C	1953	.20	.20			D
SACP	19	1951	2009	1956	N20	E13	7809		1-	C		.43	.44		18	
LOCK	19	1952	2007	2002	N21	E13	7809		1-	C	2002	.30	.30		20	
OTTA	19	2002 E	2009		N20	E12	7809		1-	C	2002	.36	.36			E
HALE	19	2007	2020	2009	N22	E12	7809		1-	2 C	2009	.40	.40			H
OTTA	19	2105	2124 D		N20	E13	7809		1-	1 C	2115	.53	.53			HE
SACP	19	2106	2132	2114	N20	E13	7809		1-	C		.61	.62		18	
MCMA	19	2108	2120	2115	N20	E20	7809		1-	2 C	2115	.50	.50			E
HALE	19	2109	2125	2115	N20	E13	7809		1-	3 C	2115	1.20	1.20			
HALE	20	0001	0009	0006	N18	W44	7813	8	1	2 C	0006	2.00	2.40			
MITK	20	0001 E	0012 D		N18	W45	7813		1-	C						E
HALE	20	0009	0030	0014	N18	W45	7813	21	1	3 C	0014	2.50	3.00			
MANI	20	0005 E	0040	0000 L	N21	W34			1-	2	0006	1.30	1.56			
HALE	20	0138	0150 D	0139	N24	E16	7809		1-	3 P	0139	.80	.80			
BUCA	20	0556 E	0639 D		N19	W48	7813	43 D	1				3.60			
MANI	20	0600 E	0626	0603	N21	W46	7813		1-	2	0603	1.00	1.30			
CAPS	20	0615 E	0636 D		N21	W48	7813	21 D	1	2	0622	1.60	2.50		194	F
BUCA	20	0652 E	0701 D		N19	W49	7813		1-				.90			
WROC	20	0832	0840 D		N22	E09	7809		1-	1						J
WROC	20	0838 E	0840 D		N26	E32	7812		1-	1						J
KAND	20	0853	0857		N23	E10	7809		1-	G						
OTTA	20	1051	1107	1055	N17	W50	7813		1-	1 C	1055	.15	.20			HK
OTTA	20	1206	1425	1215	N26	E35	7812		1-	C	1215	.24	.28			

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KAND	20	1210	1227	1212	N24	E24	7812	17	1	G						
KAND	20	1236	1255		N24	E24	7812		1-	G						
HUAN	20	1241	1300	1248	N24	E36	7812		1-	C	1248	.30	.41			D
SACP	20	1314 U	1339	1326	N25	E35	7812		1-	C		.26	.30		19	
HUAN	20	1321	1335	1325	N24	E36	7812		1-	C	1325	.20	.27			D
MCMA	20	1405	1413	1406	N26	E09	7809		1-	2 C	1406	.20	.20			E
SACP	20	1405	1418 D	1406	N25	E09	7809		1-	C		.65	.66		18	
OTTA	20	1405	1421	1406	N25	E09	7809		1-	2 C	1406	.28	.28			E
OTTA	20	1407	1423	1417	N24	W49	7819		1-	2 C	1417	.12	.16			
OTTA	20	1440	1501	1446	N27	E30	7812	21	1	C	1446	1.90	2.17			
SACP	20	1441	1452	1445	N27	E30	7812		1-	C		.99	1.13		22	
MCMA	20	1441	1455	1444	N28	E32	7812		1-	2 C	1444	.80	1.10			S
HUAN	20	1441	1456	1445	N26	E30	7812		1-	C	1445	.50	.67			E
OTTA	20	1502	1516	1508	N27	E33	7812		1-	C	1508	.12	.16			
OTTA	20	1535	1553	1537	N27	E33	7812		1-	C	1537	.12	.13			
OTTA	20	1548	1557	1550	N28	E09	7809		1-	C	1550	.24	.25			
OTTA	20	1602	1643	1604	N27	E32	7812		1-	C	1604	.20	.23			
HUAN	20	1603	1609	1605	N25	E35	7812		1-	C	1605	.20	.27			D
OTTA	20	1647	1733	1649	N22	E02	7809		1-	C	1649	.04	.04			
MCMA	20	1700	1711	1705	N27	E35	7812		1-	1 C	1705	.20	.30			D
OTTA	20	1702	1712	1706	N27	E32	7812		1-	2 C	1706	.18	.20			
HUAN	20	1702	1712	1705	N25	E35	7812		1-	C	1705	.20	.27			D
HUAN	20	1748	1801	1754	N25	E35	7812		1-	C	1754	.20	.27			D
LOCK	20	1909	1918	1912	N22	E00	7809		1-	C	1912	.20	.20		20	
HALE	20	1909	1921	1911	N23	W01	7809		1-	1 P	1911	.40	.40			
MCMA	20	1910	1916	1911	N23	E00	7809		1-	2 C	1911	.10	.10			D
SACP	20	1910 U	1917 U	1911	N22	E00	7809		1-	C		.17	.17		19	
SACP	20	2033	2100 U	2039	N19	W55	7813		1-	C		.30	.43		17	
MCMA	20	2040	2057	2042	N23	E03	7809		1-	2 C	2042	.20	.20			D
MCMA	20	2125	2130	2127	N27	E33	7812		1-	2 C	2127	.20	.30			D
MCMA	20	2215	2228	2218	N23	E03	7809		1-	3 C	2218	.60	.70			S
MCMA	20	2229	2247	2231	N19	W60	7813		1-	3 C	2231	.20	.40			D
SACP	20	2241	2258	2248	N26	E03	7809		1-	C		.41	.42		18	
MCMA	20	2245	2256	2247	N25	E05	7809		1-	2 C	2247	.50	.60			S
SACP	20	2320	2357 D	2323	N19	W59	7813	37 D	1	C		1.62	2.47		21	
MITK	20	2321 E	2326 D		N18	W60	7813	5 D	1	P						E
MANI	20	2338 E	0040		N20	W59	7813		1-	2		1.00	1.40			
SACP	20	2330	2340	2331	N27	E30	7812		1-	C		.52	.59		18	
MANI	20	2333 E	2355	2335	N25	E04	7809		1-	2	2335	.33	.33			
SACP	21	0011 U	0045 U	0032	N18	W59	7813		1-	C		1.05	1.59		19	
SACP	21	0100	0110	0102	N05	E39	7816		1-	C		.52	.58		18	
MANI	21	0105	0120	0112	N20	W58	7813		1-	2	0112	.33	.46			
WROC	21	0736 E	0840 D	0740	N19	W63	7813	64 D	1	2				2.60		J
KAND	21	0807 E	0952 D		N19	W64	7813	105 D	1	D						
WROC	21	0930 E	0935 D		N25	E22	7812		1-	2						H
WROC	21	0930 E	0935 D		N23	W02	7809	5 D	1	2						J
MCMA	21	1106 E	1149	1134	N24	W06	7809		1-	3 C	1137	1.10	1.20			S
OTTA	21	1108	1214	1124	N22	E17	7812		1-	C	1124	.09	.09			H
WROC	21	1113 E	1123 D		N23	W02	7809	10 D	1	2						J
OTTA	21	1124	1147	1137	N23	W05	7809		1-	C	1137	1.43	1.44			E

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OTTA	21	1146	1156	1148	N25	E18	7812		1-	C	1148	.18	.19			
OTTA	21	1156	1251	1221	N25	W05	7809		1-	C	1221	.60	.61			E
OTTA	21	1213	1235	1214	N08	W32	7816		1-	C	1214	.23	.24			F
OTTA	21	1358	1403	1359	N19	W65	7813		1-	2 C	1359	.18	.31			
OTTA	21	1441	1541	1450	N26	E20	7812		1-	1 C	1450	.12	.13			
MCMA	21	1442	1454	1444	N25	E22	7812		1-	2 C	1444	.10	.10			D
HUAN	21	1444	1509	1449	N21	W66	7813		1-	C	1449	.40				EK
MCMA	21	1457	1502	1458	N18	W68	7813		1-	2 C	1458	.20	.60			D
OTTA	21	1457	1505	1458	N17	W67	7813		1-	1 C	1458	.27	.50			
SACP	21	1458	1503	1459	N18	W65	7813		1-	C		.61	1.06		20	
OTTA	21	1526	1535	1531	N26	E10	7812		1-	C	1531	.12	.12			
MCMA	21	1531	1536	1533	N25	E12	7812		1-	2 C	1533	.20	.20			D
MCMA	21	1526	1540	1530	N20	W66	7813		1-	2 C	1530	.20	.60			D
HUAN	21	1528	1536	1531	N21	W65	7813		1-	C	1531	.20				D
OTTA	21	1529	1536	1531	N19	W65	7813		1-	2 C	1531	.18	.31			
OTTA	21	1554	1607	1557	N23	W08	7809		1-	2 C	1557	.42	.43			
HUAN	21	1714	1730 D		N18	W68	7813		1-	P	1726	.20				D
OTTA	21	1722 E	1736		N18	W68	7813		1-	2 C	1722	.60	1.06			F
OTTA	21	1814	1835 D	1825	N18	W69	7813		1-	3 C	1825	.36	.67			E
MCMA	21	1849	1905	1855	N25	W08	7809		1-	2 C	1855	.40	.40			S
HALE	21	1849	1906	1856	N24	W10	7809		1-	2 C	1856	.70	.70			
HALE	21	1852	1908	1900	N18	W70	7813		1-	2 C	1900	.70	1.40			
OTTA	21	2026 E	2029 D		N24	W10	7809		1-	2 C	2027	.18	.18			
MCMA	21	2040	2051	2042	N18	W70	7813		1-	3 C	2042	.20	.60			D
HALE	21	2047 E	2059		N17	W72	7813		1-	3 P	2047	.70	1.50			
MCMA	21	2120	2158	2125	N21	W10	7809		1-	3 C	2125	.20	.20			D
HALE	21	2126	2129	2127	N23	W11	7809		1-	2 C	2127	.40	.40			
HALE	21	2128	2155	2136	N17	W71	7813		1-	2 C	2136	.60	1.20			
HALE	21	2244 E	2319	2252	N18	W74	7813		1-	2 P	2252	.60	1.40			
HALE	21	2342	2347	2343	N23	W11	7809		1-	3 C	2343	.10	.10			
HALE	21	2347	0025	0002	N23	W09	7809		1-	3 C	0002	.50	.50			
SACP	22	0000	0017	0005	N24	W10	7809		1-	C		.52	.53		19	
MANI	22	0002 E	0010		N28	W06	7809		1-	1	0004	.25	.25			
MITK	22	0003 E	0016	0003	N23	W10	7809	13 D	1	V	0003	.82	.93	1.85	120	D
HALE	22	0052	0104	0054	N17	W75	7813		1-	3 C	0054	.40	1.00			
SACP	22	0053	0101	0054	N16	W72	7813		1-	C		.35	.72		18	
SACP	22	0115 E	0131 D	1210	N19	W70	7813		1-	P		.30	.60		19	
HALE	22	0117	0147	0123	N18	W74	7813		1-	2 C	0123	.40	1.00			
HALE	22	0151	0204	0153	N18	W75	7813	13	1	3 C	0153	1.00	2.40			
HALE	22	0205	0222	0208	N18	W75	7813		1-	3 C	0208	.30	.70			
HALE	22	0232	0237	0234	N18	W73	7813		1-	3 C	0234	.20	.50			F
HALE	22	0250	0259	0253	N18	W75	7813		1-	3 C	0253	.30	.70			
HALE	22	0354	0400	0356	N18	W80	7813		1-	1 C	0356	.20	.50			
WROC	22	0655 E	0720 D		N18	W70	7813		1-	1				2.80		J
ONDR	22	0727	0748	0733	N24	E10	7812	21	1	3	0730			1.70		CEH
WROC	22	0744 E	□		N27	E12	7812		1-	1						HFJ
WEND	22	0802 E	0814 D		N20	W73	7813		1-							
CATA	22	0805	0830	0810	N21	W79	7813		1-	3	0810	.58	1.01		174	DH
WROC	22	0928 E	□		N18	W70	7813		1-	1				2.80		JL
WEND	22	1124 E	1136 D		N20	W75	7813		1-							

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SACP	22	1309	1327	1317	N18	W78	7813		1-	C		.35	.90		20	
HUAN	22	1311	1337		N19	W85	7813		1-	P	1321	.30				D
MCMA	22	1313	1329	1317	N18	W85	7813		1-	3 C	1317	.50				D
CAPS	22	1313 E	1334		N17	W79	7813		1-	3	1321	.25	.80		160	CJ
HUAN	22	1425	1437		N19	W85	7813		1-	P	1434	.30				E
HUAN	22	1633 E	1640		N19	W85	7813		1-	P	1635	.25				D
SACP	22	1633	1704	1642	N23	W01	7812		1-	C		.41	.61		19	
OTTA	22	1634	1702	1644	N23	W00	7812		1-	2 C	1644	.18	.18			H
OTTA	22	1654	1703	1658	N23	W22	7809		1-	C	1658	.12	.13			
OTTA	22	1739	1817	1753	N24	W22	7809		1-	C	1753	.15	.16			H
MCMA	22	1752	1800	1755	N25	W20	7809		1-	2 C	1755	.10	.10			D
HALE	22	1916	1940	1929	N17	W90	7813		1-	1 C	1929	.60				
MCMA	22	1925	1933	1929	N18	W88	7813		1-	2 C	1929	.50				
MCMA	22	1938	2008 D	1944	N26	W20	7809	30 D	1	2 C	1944	1.70	2.10			S
SACP	22	1940	1953 D	1944	N25	W19	7809	13 D	1	C	1950	2.72	2.88		22	
HALE	22	1942	2009		N25	W20	7809	27	1	3 P	1947	2.20	2.20			F
HALE	22	1942	2016		N17	W90	7813		1-	2 P	2003	.70				
HUAN	22	1943	1957	1947	N27	W20	7809		1-	C	1947	1.00	1.22			E
HUAN	22	1959	2009	2002	N19	W90	7813		1-	C	2002	.50				E
MCMA	22	2000	2007	2002	N18	W90	7813		1-	2 C	2002	.30				
HALE	22	2054	2127	2111	N17	W90	7813		1-	1 C	2111	.60				
HALE	22	2147	2200	2154	N17	W90	7813		1-	1 C	2154	.40				
MCMA	22	2244	2249 D	2246	N18	W90	7813		1-	1 P	2246	.20				
HALE	22	2326	2331	2328	N17	W90	7813		1-	2 C	2328	.30				
HALE	22	2337	0002	2344	N17	W90	7813		1-	2 C	2344	.40				
HALE	23	0159	0207	0202	N17	W90	7813		1-	2 C	0202	.30				
HALE	23	0223	0244	0226	N24	W24	7809		1-	2 C	0226	.20	.20			
HALE	23	0223	0328	0233	N24	W22	7809		1-	2 C	0233	.30	.30			
HALE	23	0314	0325	0322	N18	W90	7813		1-	3 C	0322	.10				H
HALE	23	0351	0355	0352	N17	W90	7813		1-	3 C	0352	.10				
CATA	23	0625 E	0645	0636	N21	W90	7813		1-	1	0636	.14	.80		132	D
OTTA	23	1248 E	1353 D		N22	W10	7812		1-	1 C	1307	.18	.18			H
OTTA	23	1550	1617	1552	N22	W12	7812		1-	C	1552	1.64	1.68			E
CAPS	23	1556	1606		N27	E00	7812		1-	3	1600	1.00	1.10			
OTTA	23	1600	1623	1603	N21	W15	7812		1-	C	1603	.21	.21			H
OTTA	23			1618												
SACP	23	1620 E	1625	1620 U	N22	W15	7812		1-	P		.26	.26		18	
HALE	23	1707	1720	1714	N17	W90	7813		1-	3 P	1714	.20				
HALE	23	1744	1804	1749	N21	W41	7809		1-	3 C	1749	.20	.20			
HALE	23	1806	1819	1809	N21	W41	7809		1-	3 C	1809	.70	.80			
HALE	23	1810	1812	1811	N16	W90	7813		1-	3 C	1811	.20				H
LOCK	23	1901	1920	1908	N21	W39	7809		1-	C	1908	.40	.40		10	HJ
HALE	23	1904	1915	1908	N21	W41	7809		1-	3 C	1908	.20	.20			HJ
HALE	23	1927	1935	1930	N22	W42	7809		1-	3 C	1930	.40	.50			H
HALE	23	2033	2037	2034	N15	W90	7813		1-	3 C	2034	.10				H
LOCK	23	2346	0012	2351	N24	W32	7809		1-	C	2351	.50	.50		20	
OTTA	24	1644	1656	1648	N30	E90	7827		1-	1 C	1648	.30				
OTTA	24	1635	1653	1648	N25	W46	7809		1-	2 C	1648	.36	.47			
OTTA	24	1650	1737	1703	N26	W43	7809		1-	2 C	1703	1.08	1.35			E

COMMERCE - STANDARDS - BOULDER

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SACP	24	1700	1738 U	1706	N26	W43	7809		1-	C		1.04	1.31		19	
MCMA	24	1702	1733		N27	W45	7809		1-	1 P	1709	.80	1.30			S
HUAN	24	1704 E	1723 D		N27	W43	7809		1-	P						E
HALE	24	1816	1822	1818	N20	W48	7809		1-	3 C	1818	.10	.10			
HALE	24	1853	1905	1856	N20	W48	7809		1-	3 C	1856	.30	.40			
HALE	24	1910	1921	1915	N23	W48	7809		1-	3 C	1915	.30	.40			F
HALE	24	2150	2219	2202	N24	W27	7812		1-	1 C	2202	.80	.90			F
MCMA	24	2220 E	2240 D	2223	N23	W28	7812		1-	2 P	2223	.40	.50			E
HALE	25	0338	0346	0339	N24	W28	7812		1-	3 C	0339	.20	.20			
HALE	25	0419	0446 D	0434	N27	W51	7809		1-	2 P	0434	1.00	1.40			F
SACP	25	1349	1359	1356	N19	W65	7809		1-	C		.80	1.23		17	
OTTA	25	1352	1358	1355	N18	W77	7809		1-	C	1355	.15	.26			
HALE	25	1631	1640	1634	N20	W69	7809		1-	2 C	1634	.10	.20			
HALE	25	1645	1651	1648	N22	W60	7809		1-	3 C	1648	.40	.60			
SACP	25	1647	1655	1651	N19	W67	7809		1-	C		.43	.79		20	
OTTA	25	1647	1718	1651	N19	W78	7809		1-	1 C	1651	.24	.44			H
HALE	25	1744	1755	1752	N18	W70	7809		1-	3	1752	.20	.40			H
HALE	25	1802	1816	1805	N18	W70	7809		1-	3	1805	.20	.40			
LOCK	25	1921	1929	1924	N17	W49	7812		1-	C	1924	.20	.20		10	
HALE	25	2005	2014	2007	N20	W72	7809		1-	3	2007	.20	.40			F
LOCK	25	2005	2015	2008	N19	W69	7809		1-	C	2008	.60	1.20		20	
SACP	25	2006	2010	2008	N20	W69	7809		1-	C		.69	1.34		19	
LOCK	25	2209	2218	2212	N19	W69	7809		1-	C	2212	.60	1.20		20	
MCMA	25	2210	2216	2212	N20	W72	7809		1-	2 C	2212	.40				E
LOCK	25	2240	2251	2245	N19	W69	7809	11	1	C	2245	1.10	2.20		20	H
LOCK	25	2310	2322	2315	N32	E37	7824		1-	C	2315	.20	.20		10	
LOCK	26	0021	0051	0026	N27	E35	7824		1-	C	0026	.60	.60		20	L
SACP	26	0025	0036	0027	N28	W37	7812		1-	C		.87	1.04		19	
ARCE	26	0855 E	□		N19	W85	7809		1-	2	0855	.23	.94			
OTTA	26	1235	1245	1241	N24	W72	7809		1-	2 C	1241	.30	.60			
HUAN	26	1238 E	1244 D		N26	W70	7809		1-	P	1240	.20				D
SACP	26	1239	1244	1240	N24	W68	7809		1-	C		.26	.50		18	
SACP	26	1343	1349	1346	N21	W79	7809		1-	C		.13	.35		17	
CAPS	28	0916 E	1038 D		N25	W90	7812	82	2	2	0940	1.00			204	EJ
LOCK	28	2034	2120	2046	N29	E28	7827		1-	C	2046	.40	.40		20	L
LOCK	29	1840	1910	1845	N38	E90	7838		1-	C	1845	.30	1.50		20	H
LOCK	29			1857												