

H α SOLAR FLARES

FEBRUARY 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	HEMISPHERE & FLARE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
855	CULG	01 0017	0021	0038	N22	E06	.479	15793	1.5	21	-F	C	0021	60	.7	Y5	
856	CULG	01 0202	0205	0215	N26	W90	1.001	15787	25.3	13	-N	C	0205	30		Y5	
857	CULG	01 0513	0515	0522	S13	E52	.734	15804	5.1	9	-F	C	0515	30	.5	Y5	
858	CULG	01 0547	0552	0609	N18	E42	.742	15802	4.4	22	-F	C	0552	60	.9	F Y5	
859	CULG	01 0612	0614	0623	N11	E32	.589	15802	3.7	11	-N	C	0614	30	.4	Y5	
860	CULG	01 0708	0714	0722	N06	E25	.465	15802	3.2	14	-N	C	0714	60	.7	Y5	
GRP71861	01 0752>9	0811+4	0905	S22	E57	.841	15800	5.6	73	3N			1000	19.1	L		
	KANZ	01 0752	0812	0913	S22	E55	.823	15800	5.5	81	28	*					
	CULG	01 0759	0811	0826D	S24	E61	.876	15800	5.9	27D	3N	P	0811	1100	22.0	L	
	CATA	01 0805	0815	0905D	S21	E55	.822	15800	5.5	60D	28	* P	0815	534	9.6		
	MONT	01 0812E	0812	0858	S22	E59	.858	15800	5.8	46D	2N	C	0812	1006		B	
GRP71862	01 0903+2	0905+4	1026	S21	E90	.999	15808	8.1	83	1N						IKLP	
	KODA	01 0903	0905	1036D	S18	E90	.999	15808	8.1	93D	3B	P	0903			CFIK	
	KANZ	01 0905	0909	1015	S22	E90	.999	15808	8.1	70	-B	2				EPL	
	CATA	01 0905	0905	0905D	S21	E90	.999	15808	8.1		1F	2 P	0905	84			
	01 1247	1434	NO FLARE PATROL														
	01 1447	1456	NO FLARE PATROL														
863	RAMY	01 1618	1618	1636	N07	E24	.458	15802	3.5	18	-N	3 C		30		Y5	
GRP71864	01 1646	1648	1700	N07	E24	.458	15802	3.5	14	-N							
	RAMY	01 1646	1653	1700	N07	E24	.458	15802	3.5	14	-N	3 C		26			
	RAMY	01 1646	1648	1649	N07	E24	.458	15802	3.5	3	-N	3 C		26			
865	RAMY	01 1702	1705	1719	S15	E46	.720	15804	5.2	17	-N	3 C		49		F Y5	
866	MCMA	01 1749	1755	1805	S12	E48	.740	15804	5.3	16	-F	C	1755	30	.5	E Y5	
867	MCMA	01 1805	1808	1825	N08	E26	.492	15802	3.7	20	-F	C	1808	30	.3	EH Y5	
GRP71868	01 1847	1857	1910	N21	E23	.576	15796	3.5	23	-N						E	
	MCMA	01 1847	1857	1910	N21	E21	.559	15796	3.4	23	-N	C	1857	60	.7	E	
	PALE	01 1849E		1906D	N21	E26	.604	15796	3.7	17D	-N	2 C				OE	
GRP71869	01 1928+5	1934+4	1955	S12	E46	.717	15804	5.3	27	-N				40	.6		
	MCMA	01 1928	1938	2000	S12	E46	.717	15804	5.3	32	-N	C	1938	25	.4	D	
	RAMY	01 1933	1934	1950	S13	E46	.717	15804	5.3	17	-B	3 C		52		F	
870	RAMY	01 2033	2033	2038	N09	E26	.499	15802	3.8	5	-B	3 C		24		F Y5	
871	PALE	01 2333	2333	2342	S13	E42	.669	15804	5.1	9	-N	3 C		35		DE Y5	
GRP71872	02 0015>9	0021+5	0033	N05	E15	.320	15802	3.1	18	-N				140	1.5	J	
	MITK	02 0015	0022	0032	N05	E15	.320	15802	3.1	17	-N	C	0022			E	
	MANI	02 0018E	0021	0022D	N05	E15	.320	15802	3.1	4D	-B	2 C		110		F	
	VORO	02 0019	0021	0033	N04	E16	.324	15802	3.2	14	-N	C	0021	179	1.9	EJ	
	PALE	02 0026	0026	0033	N07	E21	.418	15802	3.6	7	-B	3 C		120		F	
GRP71873	02 0037	0041+3	0145	N08	E23	.453	15802	3.8	68	-N						EJKL	
	VORO	02 0037	0041	0126D	N08	E22	.440	15802	3.7	49D	-N	C	0109	170	1.9	EJKL	
	MANI	02 0042E	0044	0104D	N08	E25	.479	15802	3.9	22D	-B	2 C		80		F	
	MITK	02 0047E	0105	0145	N10	E23	.469	15802	3.8	58D	-N	C	0105			E	
GRP71874	02 0155+0	0207+1	0255	N10	E24	.482	15802	3.9	60	1F				390	4.4	EJ	
	VORO	02 0155	0208	0255	N10	E24	.482	15802	3.9	60	1F	C	0208	394	4.6	EJ	
	MITK	02 0155	0208	0243D	N11	E30	.565	15802	4.3	45D	1N	C	0208	180	2.2		
	MITK	02 0200	0207	0224	N09	E20	.423	15802	3.6	24	1F	C	0207	220	2.5		
875	VORO	02 0204	0205	0212	S26	W72	.947	15786	27.7	8	-B	C	0205	99		EJL Y5	
876	CULG	02 0348	0356	0414	N21	E30	.643	15796	4.4	26	-F	C	0356	20	.6	Y5	
GRP71877	02 0405	0426	0449	N09	E16	.374	15802	3.4	44	-N						E	
	CULG	02 0405	0426	0449	N09	E11	.320	15802	3.0	44	-N	C	0426	90	1.0		
	MITK	02 0428E		0434D	N09	E22	.448	15802	3.8	6D	-N	P	0428			E	
878	CULG	02 0417	0422	0446	S21	W59	.857	15788	28.8	31	-F	C	0422	10	.2	Y5	

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
907 HTPR	03	1203	1205	1208	S13	E25	.432	15804	5.4	5	-F	C	1205	30	.3	Y5	
	03	1516	1555	NO FLARE PATROL													
	03	1559	1601	NO FLARE PATROL													
908 RAMY	03	1627	1627	1631	S15	E20	.367	15804	5.2	4	-N	2 C		26		Y5	
909 RAMY	03	1714	1714	1720	N06	W04	.221	15802	3.4	6	-N	3 C		30		Y5	
	03	1847	1938	NO FLARE PATROL													
	03	1944	2044	NO FLARE PATROL													
	03	2054	2106	NO FLARE PATROL													
	03	2118	2147	NO FLARE PATROL													
	03	2149	2155	NO FLARE PATROL													
	03	2202	2220	NO FLARE PATROL													
	03	0826	0835	NO FLARE PATROL													
910 CULG	03	2254	2259	2309	N14	E04	.351	15802	4.3	15	-N	C	2259	50	.5	F Y5	
911 CULG	03	2309	2310	2315	S17	E12	.275	15804	4.9	6	-F	C	2310	20	.2	Y5	
912 CULG	03	2359	2406	0209	N22	W57	.887		30.7	130	-N	C	2406	60	1.3	S Y5	
GRP71913	04	0024+1	0027+0	0038	N21	W35	.693	15793	1.4	14	-F			45	.6	EG	
CULG	04	0024	0027	0046	N22	W34	.690	15793	1.5	22	-N	C	0027	40	.6	G	
VORO	04	0025	0027	0030	N21	W36	.702	15793	1.3	5	-F	C	0027	45	.6	EG	
GRP71914	04	0029+2	0031+0	0046	S15	E17	.323	15804	5.3	17	-N			50	.5	E	
CULG	04	0029	0031	0048	S15	E18	.338	15804	5.4	19	-F	C	0031	40	.4		
VORO	04	0031	0031	0043	S16	E17	.331	15804	5.3	12	-B	C	0031	72	.7	E	
GRP71915	04	0128+1	0131+1	0147	N10	W04	.287	15802	3.8	19	-N					EJ	
CULG	04	0128	0132	0142D	N11	W03	.300	15802	3.8	14D	-N	P	0132	50	.5		
VORO	04	0129	0131	0147	N10	W05	.292	15802	3.7	18	-B	C	0031	81	.8	EJ	
916 CULG	04	0136	0137	0142D	S22	E70	.935	15808	9.3	60	-F	C	0137	40		Y5	
917 CULG	04	0337	0339	0342D	N11	W03	.300	15802	3.9	5D	-N	P	0339	70	.7	Y5	
GRP71918	04	0824+5	0824+5	0837	S18	E65	.901	15808	9.2	13	-N					EJ	
ABST	04	0824E	0824	0837	S17	E65	.901	15808	9.2	13D	-F	P	0824	140		EJ	
HTPR	04	0827		0833D	S20	E70	.934	15808	9.6	60	-N	C	0829	50	1.2	E	
KANZ	04	0829	0829	0837	S18	E62	.879	15808	9.0	8	-N	1					
919 KANZ	04	1104		1121D	N09	W09	.303	15802	3.8	17D	-N	1				Y5	
	04	1351	1359	NO FLARE PATROL													
	04	0711	0712	NO FLARE PATROL													
	04	0716	0719	NO FLARE PATROL													
920 HUAN	04	1503E		1512	N04	W20	.382	15802	3.1	9D	-F	P				CE Y5	
921 RAMY	04	1532	1535	1539	N21	W14	.507	15796	3.6	7	-N	3 C		24		Y5	
GRP71922	04	1623+3	1626	1632	N19	W17	.504	15796	3.4	9	-N			40	.5	E	
MCHA	04	1623E		1625D	N18	W20	.519	15796	3.2	2D	-F	C	1625	50	.6	E	
RAMY	04	1626	1626	1632	N21	W14	.507	15796	3.6	6	-N	3 C		28			
923 RAMY	04	1632	1644	1652	N21	W14	.507	15796	3.6	20	-N	3 C		30		Y5	
GRP71924	04	1708+0	1708+0	1716	S14	E06	.170	15804	5.2	8	-N			30	.3		
HOLL	04	1708	1708	1717	S15	E07	.193	15804	5.2	9	-N	3 C		34			
RAMY	04	1708	1708	1714	S14	E06	.170	15804	5.2	6	-N	3 C		31			
GRP71925	04	1724+0	1725+1	1740	S20	E56	.829	15808	8.9	16	-B			100	1.8	FU	
RAMY	04	1724	1726	1739	S20	E56	.829	15808	8.9	15	1B	3 C		108			
HOLL	04	1724	1725	1740	S20	E57	.838	15808	9.0	16	-B	3 C		91		U F	
926 BIGB	04	1747E	1747	1803	S21	E63	.888	15808	9.5	16D	-N	1 P	1747	60	1.4	E Y5	
GRP71927	04	1754+0	1754+0	1807	S14	E06	.170	15804	5.2	13	-N			30	.3	F	
HOLL	04	1754	1754	1812	S15	E06	.183	15804	5.2	18	-B	3 C		33		F	
RAMY	04	1754	1754	1802	S14	E06	.170	15804	5.2	8	-N	3 C		27			

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH FLARE REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg	
					LAT.	MER. DIST											
952 HUAN	05	1742	1743	1746	N07	H35	.607	15802	3.1	4	-N	C	1743	25	.3	D	Y5
GRP71953	05	1907+1	1910+0	1913	N07	H35	.607	15802	3.2	6	-B			50	.6	DH	
BIGB	05	1907	1910	1913	N07	H35	.607	15802	3.2	6	-N	3 C	1910	65	.8		
RAMY	05	1908	1910	1913	N06	H30	.535	15802	3.5	5	-B	3 C		38			
MCHA	05	1908	1910	1925	N07	H35	.607	15802	3.2	17	-B	C	1910	30	.4	DH	
954 RAMY	05	2047	2047	2054	N06	H31	.549	15802	3.5	7	-N	3 C		23			Y5
955 RAMY	05	2103	2104	2110	S20	E41	.670	15808	9.0	7	-N	2 C		20			Y5
GRP71956	05	2107+0	2110+0	2118	N07	H30	.541	15802	3.6	11	-N			50	.6	E	
BIGB	05	2107	2110	2117	N09	H29	.548	15802	3.7	10	-N	1 C	2110	60	.9	E	
RAMY	05	2107	2110	2119	N06	H31	.549	15802	3.6	12	-B	2 C		54			
GRP71957	05	2115+4	2121+0	2149	S18	E43	.689	15808	9.1	34	1B						
RAMY	05	2115	2121	21230	S20	E41	.670	15808	9.0	80	1B	2 C		437		FDE	
BIGB	05	2119	2121	2149	S19	E42	.679	15808	9.0	30	1B	1 C	2121	180	2.5		
BIGB	05	2119	2121	2123	S15	E47	.730	15808	9.4	4	-N	1 C	2121	130	2.0	E	
958 BIGB	05	2149	2152	2159	S23	E45	.724	15808	9.3	10	-N	1 C	2152	100	1.5	E	Y5
959 BIGB	05	2236	2252	2315	N16	E45	.764	15807	9.3	39	-N	1 C	2252	70	1.0	E	Y5
960 BIGB	05	2302	2347	2347D	S19	E56	.828	15812	10.2	450	-N	2 P	2347	50	.9		Y5
GRP71961	05	2306	2307	2315	S22	E44	.710	15808	9.3	9	-N			45	.7		
BIGB	05	2306	2307	2312	S23	E44	.713	15808	9.3	6	-N	2 C	2307	50	1.6		
MANI	05	2308E	2308U	2317D	S22	E44	.710	15808	9.3	90	-N	2 C		40			
	06	0127	0128	NO FLARE PATROL													
962 MITK	06	0435	0503	0543	N17	E37	.687	15807	9.0	68	1N	C	0503	270	3.7	E	Y5
963 MANI	06	0638E	0639	0644	N08	H41	.686	15802	3.2	60	-N	3 C		15			Y5
GRP71964	06	0800E	0805	0830	S18	E32	.549	15808	8.7	30	-F						
MONT	06	0800E	0805	0826	S19	E35	.592	15808	9.0	260	-F	C	0805	70		D	
HTPR	06	0812E		0833	S18	E30	.522	15808	8.6	210	-F	C	0815	60	.7	E	
965 MONT	06	0822	0825	0858	N06	H34	.589	15802	3.8	36	-F	C	0825	70		D	Y5
GRP71966	06	0915+2	0917+1	0923	N07	H36	.620	15802	3.7	8	-N						
HTPR	06	0915	0917	0923	N08	H39	.662	15802	3.5	8	-N	C	0917	60	.8	E	
MONT	06	0917	0918	0923	N06	H34	.589	15802	3.8	6	-N	C	0918	200		E	
967 RAMY	06	1156	1238	1243	S20	E34	.584	15808	9.0	47	-N	3 C		28			Y5
GRP71968	06	1255+0	1301+0	1306	N07	H43	.706	15802	3.3	11	-B			50	.7	H	
HTPR	06	1255	1301	1305	N08	H47	.755	15802	3.0	10	-N	C	1301	30	.4		
RAMY	06	1255	1301	1306	N06	H40	.666	15802	3.5	11	-B	3 C		71			H
KANZ	06	1256E		1307	N07	H43	.706	15802	3.3	110	-B	2					H
GRP71969	06	1347+1	1347+1	1355	S14	H18	.330	15804	5.2	8	-F						
RAMY	06	1347	1347	1352	S14	H18	.330	15804	5.2	5	-N	3 C		20			
KANZ	06	1348	1348	1357	S14	H18	.330	15804	5.2	9	-F	2					
GRP71970	06	1348+0	1349+4	1406	S23	E34	.598	15808	9.1	18	-B			150	1.9		
KANZ	06	1348	1351	1406	S23	E34	.598	15808	9.1	18	1B	2					
HTPR	06	1348	1349	1407	S24	E36	.626	15808	9.3	19	-B	C	1349	160	1.9	EF	
RAMY	06	1348	1353	1406	S20	E33	.571	15808	9.1	18	-B	3 C		139			
971 RAMY	06	1432	1432	1459	S20	E33	.571	15808	9.1	27	-N	3 C		31			Y5
GRP71972	06	1432+2	1434+3	1457	N15	E32	.619	15807	9.0	25	-B			50	.6	E	
RAMY	06	1432	1434	1457	N15	E34	.641	15807	9.2	25	-B	3 C		48			
HTPR	06	1434	1437	1458	N16	E31	.615	15807	8.9	24	-N	C	1437	60	.7	E	
KANZ	06	1438E		1454	N14	E32	.612	15807	9.0	160	-B	2					
973 RAMY	06	1508	1509	1522	S20	E33	.571	15808	9.1	14	-N	3 C		20			Y5
974 RAMY	06	1525	1528	1540	S20	E32	.558	15808	9.0	15	-N	3 C		52			Y5
975 RAMY	06	1544	1548	1550	S20	E32	.558	15808	9.1	6	-N	3 C		23			Y5
976 RAMY	06	1605	1605	1613	N13	H34	.628	15802	4.1	8	-N	3 C		26			Y5

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					LAT.	MER. DIST.												
977 RAMY	06	1605	1620	1635	N06	W41	.679	15802	3.6	30	?B	3	C		472		F H Y5	
		IMP. 2 NO : BIGB																
978 BIGB	06	1753	1755	1755D	S24	E34	.603	15808	9.3	20	-N	2	P	1755	20	.2	Y5	
979 RAMY	06	1810E	1812	1819	S20	E30	.532	15808	9.0	90	-N	3	C		39		Y5	
980 RAMY	06	1815	1817	1827	S20	E44	.705	15812	10.1	12	-F	3	C		20		Y5	
981 BIGB	06	2005	2007	2035	S16	E29	.500	15808	9.0	30	-N	3	C	2007	120	1.4	Y5	
982 RAMY	06	2012E	2012U	20140	N14	E28	.566	15807	8.9	20	-N	2	C		43		F Y5	
983 BIGB	06	2037	2043	2050	S19	E90	.999	15813	13.6	13	-N	3	C	2043	120	1.4	Y5	
GRP71984	06	2037>9	2101+7	2156	N12	E29	.562	15807	9.0	79	1N				230	2.8		
BIGB	06	2037		2156	N12	E27	.538	15807	8.9	79	1N	*	P	2102	240	2.8		
BIGB	06	2056	2108	2147	N12	E34	.622	15807	9.4	51	-N	*	C	2108	60	.7		
PALE	06	2059E	2101	2130D	N14	E31	.600	15807	9.2	310	1B	*	C		217		DE	
CULG	06	2102E	2104U	2248	N12	E28	.550	15807	9.0	1060	1N	*	P	2104	260	3.1	6	
985 BIGB	06	2048	2058	2104	S27	E72	.946	15815	12.3	16	-N	2	P	2058	50		Y5	
986 BIGB	06	2049	2050	2104	S17	W16	.324	15804	5.7	15	-N	2	C	2050	120	1.3	Y5	
987 CULG	06	2102E	2127U	2137D	S19	E28	.501	15808	9.0	350	-F		P	2127	100	1.2	Y5	
988 BIGB	06	2258	2306	2320	S20	E30	.532	15808	9.2	22	-N	2	C	2306	40	.5	Y5	
GRP71989	06	2329+1	2330+2	2336	S18	E40	.652	15812	10.0	7	-F				40	.5	D	
CULG	06	2329	2332	2337	S19	E42	.679	15812	10.1	8	-F		C	2332	30	.4		
VORO	06	2330	2330	2335	S18	E39	.640	15812	9.9	5	-N		C	2330	45	.6	D	
GRP71990	06	2334+0	2335+0	2339	N07	W52	.805	15802	3.1	5	-F						DH	
CULG	06	2334	2335	2340	N08	W52	.807	15802	3.1	6	-F		C	2335	10	.2		
VORO	06	2334	2335	2337	N07	W52	.805	15802	3.1	3	-F		C	2335	45	.7	DH	
991 VORO	07	0007	0008	0010	N07	W52	.805	15802	3.1	3	-F		C	0008	27	.4	DH Y5	
GRP71992	07	0010+1	0011+0	0016	S22	E29	.530	15808	9.2	6	-F				30	.4	D	
CULG	07	0010	0011	0018	S22	E30	.543	15808	9.3	8	-F		C	0011	20	.2	T	
VORO	07	0011	0011	0014	S22	E29	.530	15808	9.2	3	-N		C	0011	36	.4	D	
GRP71993	07	0020>9	0038+0	0044	N08	W52	.807	15802	3.1	24	-N				35	.6	DH	
CULG	07	0020	0038	0045	N09	W52	.810	15802	3.1	25	-N		C	0038	20	.3	T	
VORO	07	0037	0038	0042	N07	W52	.805	15802	3.1	5	-N		C	0038	54	.9	DH	
994 CULG	07	0057	0100	0131	N09	W53	.819	15802	3.1	34	-N		C	0100	10	.2	T Y5	
995 CULG	07	0207	0213	0229	S16	W29	.500	15804	4.9	22	-F		C	0213	40	.5	Y5	
996 CULG	07	0208	0211	0218	N09	W53	.819	15802	3.1	10	-F		C	0211	20	.4	T Y5	
GRP71997	07	0344+7	0354+1	0416	S19	E27	.487	15808	9.2	32	1N						HL	
CULG	07	0344	0355	0416	S20	E25	.467	15808	9.0	32	1N		C	0355	240	2.7	LT	
MITK	07	0351	0354	0417	S19	E28	.500	15808	9.3	26	1F		C	0354	410	4.9	EH	
MANI	07	0352E	0355	0406	S19	E27	.487	15808	9.2	140	-B	2	C		120		F	
998 CATA	07	1010	1010	1015	S17	E75	.960	15813	13.0	5	1N	2	C	1010	84		Y5	
	07	1035	1055	NO FLARE PATROL														
	07	1110	1118	NO FLARE PATROL														
999 CATA	07	1110	1118	1122D	S21	E22	.435	15808	9.1	120	1B	1	P	1118	393	4.5	Y5	
	07	1122	1148	NO FLARE PATROL														
	07	0915	0935	NO FLARE PATROL														
	07	0940	0955	NO FLARE PATROL														
0 RAMY	07	1149E	1149U	1155	N35	E09	.673	15806	8.2	60	-N	2	C		22		Y5	
1 RAMY	07	1158	1159U	1225	N07	W53	.815	15802	3.5	27	-N	3	C		34		Y5	
2 RAMY	07	1204	1204	1214	S22	E68	.922	15813	12.6	10	-N	3	C		26		Y5	
3 RAMY	07	1250	1253	1300	S22	E67	.916	15813	12.6	10	-N	3	C		36		Y5	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McNATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
GRP72004	07	1707+1	1709+1	1721	S20	E33	.570	15812	10.2	14	-N		80	1.0			
BIGB	07	1707	1709	1725	S20	E35	.596	15812	10.3	18	-N	1 C	1709	75	.9		
RAMY	07	1708	1710	1717	S20	E32	.558	15812	10.1	9	-S	2 C		85			
5 BIGB	07	1804	1812	1830	S18	E74	.955	15813	13.3	26	?N	1 C	1812	150		Y5	
		IMP. 1 NO : RAMY		HOLL													
6 HOLL	07	1843	1843	1848	N14	E19	.466	15807	9.2	5	-N	3 C		21		Y5	
7 BIGB	07	1859	1902	1910	N14	W56	.859	15802	3.6	11	-N	3 C	1902	50	.9	Y5	
8 HOLL	07	1900	1905	1909	S20	E18	.377	15808	9.1	9	-N	3 C		55		F Y5	
9 CULG	07	2030E	2030E	2039	N07	W65	.915	15802	3.0	90	-F	C	2030	20	.5	B Y5	
10 BIGB	07	2058	2100	2111	N09	E31	.567		10.2	13	-N	2 C	2100	50	.9	G Y5	
GRP72011	07	2130+5	2146	2236	S22	E16	.374	15808	9.1	66	-F					E	
			2158														
CULG	07	2130	2146U	2228	S20	E16	.352	15808	9.1	58	-F	P	2146	90	1.0		
BIGB	07	2135	2158	2244	S24	E17	.407	15808	9.2	69	-N	1 C	2158	70	.6	E	
GRP72012	07	2210	2245	2333	N12	E17	.423	15807	9.2	83	-N					K	
			2255														
BIGB	07	2210	2255	2337	N13	E18	.445	15807	9.3	87	-N	1 C	2255	150	1.6		
CULG	07	2216E	2245	2329	N12	E17	.423	15807	9.2	730	-N	C	2245	170	1.9	K	
GRP72013	08	0027+2	0030+3	00400	N09	W68	.937	15802	2.9	13	-N			50		EH	
CULG	08	0027	0030	0117	N09	W68	.937	15802	2.9	50	-B	C	0030	40			
VORO	08	0028	0033	0040	N06	W70	.945	15802	2.8	12	-N	C	0033	81		EH	
BIGB	08	0029	0031	00310	N10	W70	.949	15802	2.8	20	-N	2 P	0031	40	.6		
14 VORO	08	0108	0110	0119	S15	E60	.861	15813	12.5	11	-F	C	0110	54	1.0	D Y5	
GRP72015	08	0132+1	0135+2	0146	N14	E12	.402	15807	9.0	14	-N			110	1.2	E	
CULG	08	0132	0137	0148	N13	E12	.388	15807	9.0	16	-N	C	0137	90	1.0		
VORO	08	0133	0135	0144	N15	E12	.415	15807	9.0	11	-N	C	0135	134	1.4	E	
GRP72016	08	0201+4	0208+1	0332	S20	E15	.340	15808	9.2	91	1N			360	3.8	EHJK	
			0300														
KODA	08	0123	0300	0301	S21	E16	.362	15808	9.3	98	2N	* P	0223	937	9.6	CE	
CULG	08	0201	0209	0414	S20	E13	.317	15808	9.1	133	1N	* C	0209	280	2.9	KF	
VORO	08	0202	0208	03150	S22	E14	.352	15808	9.1	730	18	* C	0208	403	4.3	EHJK	
MANI	08	0205	0208	03470	S18	E14	.307	15808	9.1	1020	18	* C		380		FDE	
MITK	08	0210E	0335	0335	S19	E19	.380	15808	9.5	850	1N	* C	0210	390	4.3	E	
17 CULG	08	0312	0316	0326	N12	E12	.374	15807	9.0	14	-F	C	0316	40	.4	Y5	
GRP72018	08	0404+5	0411+0	0443	N16	E10	.416	15807	8.9	39	-N						
CULG	08	0404	0411	0439	N16	E12	.429	15807	9.1	35	-N	C	0411	120	1.3	F	
MITK	08	0409	0411	0446	N16	E09	.409	15807	8.8	37	-N	C	0411			E	
19 CULG	08	0557	0606	0612	N08	W71	.952	15802	2.9	15	-N	C	0606	20		Y5	
20 CULG	08	0613	0627	06350	S18	E48	.745		11.9	220	1F	P	0627	210	3.1	Y5	
21 CULG	08	0624	06350	06350	N12	E16	.413	15807	9.5	110	-N	P	0635	50	.6	Y5	
	08	0635	0712	NO FLARE PATROL													
GRP72022	08	0712E	0712	0842	N12	E15	.403	15807	9.4	90	2N					E	
KODA	08	0712E	0712	07580	N14	E13	.410	15807	9.3	460	2N	P	0712	479	4.9	DE	
HTPR	08	0742E		0835	N12	E15	.403	15807	9.4	530	-N	C	0745	70	.7	E	
MONT	08	0800E	0800	0848	N12	E15	.403	15807	9.5	480	-N	C	0800	220			
GRP72023	08	0837+1	0845	0901	N17	E08	.419	15807	9.0	24	-F					E	
HTPR	08	0837		08400	N18	E09	.439	15807	9.0	30	-F	C	0839	10	.1		
MONT	08	0838	0845	0901	N16	E08	.404	15807	9.0	23	-F	C	0845	50		E	
GRP72024	08	0932	0935	0943	N27	W76	.987	15796	2.7	11	-F					D	
MONT	08	0932	0935	0941	N26	W74	.980	15796	2.8	9	-F	C	0935	40		O	
KHAR	08	0937E		09450	N28	W79	.993	15796	2.5	80	-N	P	0937	100		DT	
25 KHAR	08	1105E		11080	N28	W79	.993	15796	2.5	30	-F	V	1105			DT Y5	
26 KHAR	08	1115E		11200	N28	W79	.993	15796	2.5	50	-F	V	1115			DT Y5	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMAH FLARE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk			CORR AREA Sq Deg.
					LAT.	MER. DIST												
27 KHAR	08	1128E	1130	1136D	N13	W58	.873	15802	4.1	80	?F	P	1132	120	2.6	D	Y5	
		IMP.1 NO :	MONT	HTPR														
28 KHAR	08	1153E	1155	1200D	N16	E15	.453	15807	9.6	70	?F	P	1155	330	3.7	EL	Y5	
		IMP.1 NO :	RAMY															
GRP72029	08	1405+8	1414+2	1436	N11	E03	.304	15807	8.8	31	-B			80	.8			
MCMA	08	1405	1416	1438	N11	E03	.304	15807	8.8	33	-B	C	1416	100	1.1	E		
RAMY	08	1413	1414	1434	N11	E04	.308	15807	8.9	21	-B	3 C		72		F		
GRP72030	08	1410>9	1423	1451	S18	E57	.835	15813	12.9	41	-B						V	
			1430															
MCMA	08	1410	1430	1455	S18	E58	.844	15813	12.9	45	-B	C	1430	70	1.5	EV		
RAMY	08	1421	1423	1447	S18	E57	.835	15813	12.9	26	-B	3 C		62		F		
GRP72031	08	1446+2	1448+1	1506	S18	E05	.217	15808	9.0	20	-B			120	1.2			
MCMA	08	1446	1449	1510D	S18	E04	.211	15808	8.9	240	-B	C	1449	125	1.3	E		
RAMY	08	1448	1448	1502	S19	E07	.246	15808	9.1	14	-B	3 C		119		F		
GRP72032	08	1458+7	1506	1616	N14	W61	.898	15802	4.0	78	1B						FLUVH	
			1524															
MCMA	08	1458	1530	1630D	N17	W63	.917	15802	3.9	920	1B	C	1530	150	3.6	FLWV		
RAMY	08	1505	1506	1509	N12	W59	.879	15802	4.2	4	-N	3 C		16				
RAMY	08	1518	1524	1602	N12	W59	.879	15802	4.2	44	1B	3 C		241		U F		
GRP72033	08	1621+1	1621+4	1633	N14	E09	.380	15807	9.4	12	-F			25	.3			
RAMY	08	1621	1621	1632	N13	E06	.348	15807	9.1	11	-N	3 C		28		F		
HUAN	08	1622	1625	1633	N15	E13	.423	15807	9.7	11	-F	C	1625	20	.2	D		
34 HUAN	08	1638	1641	1646	S18	E58	.844	15813	13.0	8	-F	C	1641	25	.4	D	Y5	
GRP72035	08	1646+2	1650+3	1701	S16	W82	.986	15814	2.5	15	-F						E	
MCMA	08	1646E	1650	1703D	S16	W79	.977	15814	2.8	170	-N	C	1650			E		
HUAN	08	1648	1653	1658	S17	W85	.993	15814	2.3	10	-F	C	1653	30				
GRP72036	08	1818		1848	N14	W70	.953	15802	3.5	30	-F						D	
HUAN	08	1818		1853	N13	W70	.952	15802	3.5	35	-F	C	1827	15		D		
MCMA	08	1838E		1843	N15	W70	.954	15802	3.5	50	-N	C	1838			D		
37 BIGB	08	1905	1938	1948	S36	E74	.958	15816	14.3	43	-N	2 C	1938	40			Y5	
38 BIGB	08	1955	2018	2032	S35	E73	.953	15816	14.3	37	-N	3 P	2018	50		E	Y5	
39 BIGB	08	2007	2054	2105	N24	W84	.999	15796	2.5	58	-N	3 C	2054	50	.5		Y5	
40 BIGB	08	2040	2105	2142	S36	E72	.949	15816	14.3	62	-N	3 P	2105	60		E	Y5	
41 BIGB	08	2057	2058	2059	S19	E18	.367	15812	10.2	2	-N	3 C	2058	10	.1	D	Y5	
42 BIGB	08	2111	2132	2137	N26	W88	1.000	15796	2.3	26	-N	3 P	2132	50	.6	A	Y5	
43 BIGB	08	2112	2132	2202	N13	E04	.340	15807	9.2	50	-N	3 C	2132	100	1.0		Y5	
GRP72044	08	2113+3	2115+1	2121	S19	E15	.329	15812	10.0	8	-N			60	.6	F		
BIGB	08	2113	2115	2135	S19	E16	.342	15812	10.1	22	-N	3 C	2115	80	.9			
RAMY	08	2115	2115	2117D	S19	E15	.329	15812	10.0	20	-N	2 C		55		F		
HOLL	08	2116	2116	2121	S19	E15	.329	15812	10.0	5	-N	3 C		47				
CULG	08	2117E	2117E	2121	S19	E16	.342	15812	10.1	40	-F	P	2117	60	.7			
45 BIGB	08	2159	2214	2214D	S36	E72	.949	15816	14.3	150	-N	3 C	2214	70		E	Y5	
GRP72046	08	2220>9	2253	2321	N13	E04	.340	15807	9.2	61	-N							
			2318															
BIGB	08	2220	2318	2330	N14	E05	.359	15807	9.3	70	1N	3 C	2318	300	3.1			
CULG	08	2248	2253	2312	N12	E03	.321	15807	9.2	24	-N	C	2253	50	.5			
47 BIGB	08	2238	2243	2251	S28	E49	.778	15815	12.6	13	-N	3 C	2243	40	.6	E	Y5	
48 CULG	08	2334	2336	2343	N15	W72	.964	15802	3.6	9	-N	C	2336	20			Y5	
GRP72049	08	2345+2	2348+0	2358	S21	E57	.838	15813	13.3	13	-F			60	1.1	E		
CULG	08	2345	2348	0000	S22	E58	.848	15813	13.3	15	-F	C	2348	60	1.1			
BIGB	08	2347	2348	2355	S20	E57	.837	15813	13.3	8	-N	3 C	2348	70	1.1	E		
50 CULG	08	2354	2356	0111	N15	W72	.964	15802	3.6	77	-N	C	2356	30			Y5	
51 CULG	09	0019	0025	0047	N20	E01	.447	15807	9.1	28	-F	C	0025	60	.7		Y5	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
52 CULG	09	0225	0230	0301	S11	W53	.793	15304	5.1	36	-N	C	0230	50	.9	Y5	
53 CULG	09	0312	0324	0356	S17	E00	.182	15808	9.1	44	-F	C	0324	60	.6	Y5	
54 CULG	09	0515E	0530U	0601	N11	W02	.303	15807	9.1	460	-F	P	0530	70	.8	Y5	
55 CULG	09	0622E	0631U	06340	S22	E56	.830	15813	13.5	120	-F	P	0631	40	.7	Y5	
56 MANI	09	0639E	0642	06460	S20	E00	.233	15808	9.3	70	-N	3 C		100		F Y5	
57 MANI	09	0750	0757	08070	N15	W04	.373	15807	9.0	170	18	2 C		300		F Y5	
58 CATA	09	0810E	0810	08400	N11	W05	.313	15807	9.0	300	23	2 P	0810	618	6.7	Y5	
59 CATA	09	0825	0825	0830	N05	W00	1.000	15802	2.6	5	1F	2 C	0825	56		Y5	
	09	1000	1010	NO FLARE PATROL													
	09	1020	1104	NO FLARE PATROL													
	09	0646	0700	NO FLARE PATROL													
	09	0728	0736	NO FLARE PATROL													
	09	0843	0850	NO FLARE PATROL													
GRP72060	09	1234	1235	1314	N13	W08	.360	15807	8.9	40	-B					F	
			1256														
RAYH	09	1234	1235	1314	N13	W08	.360	15807	8.9	40	-N	3 C		42		F	
RAYH	09	1234	1256	1314	N13	W08	.360	15807	8.9	40	-B	3 C		94		F	
61 RAYH	09	1249	1250	1311	S19	E06	.238	15812	10.0	22	-B	3 C		46		F Y5	
62 RAYH	09	1339	1344	1427	N15	W07	.385	15807	9.0	48	-B	3 C		95		F Y5	
63 RAYH	09	1443	1444	1452	N15	W07	.385	15807	9.1	9	-B	3 C		30		F Y5	
GRP72064	09	1542>9	1546	1604	N14	W09	.381	15807	9.0	22	-B			100	1.1	F	
			1555+0														
RAYH	09	1542	1555	1603	N15	W08	.390	15807	9.1	21	-B	3 C		115		F	
RAYH	09	1542	1546	1603	N15	W08	.390	15807	9.1	21	-N	3 C		40		F	
HOLL	09	1554	1555	1604	N14	W10	.388	15807	8.9	10	-B	3 C		75		F	
GRP72065	09	1618+1	1619+1	1640	N14	W10	.388	15807	8.9	22	-B			80	.9		
BIGB	09	1618	1620	1633	N14	W17	.447	15807	8.4	15	-N	1 C	1620	60	.6	E	
RAYH	09	1619	1620	1640	N13	W07	.354	15807	9.2	21	-B	3 C		80		DE	
HOLL	09	1619	1619	16400	N14	W10	.388	15807	8.9	210	-B	3 C		89		F	
GRP72066	09	1621+1	1623+1	1631	S19	W07	.245	15808	9.2	10	-B			35	.4	F	
RAYH	09	1621	1624	1627	S19	W07	.245	15808	9.2	6	-B	3 C		36		F	
HOLL	09	1622	1623	1634	S19	W07	.245	15808	9.2	12	-B	3 C		34		F	
GRP72067	09	1711+8	1723	1740	N13	W09	.366	15807	9.0	29	-B			45	.5	F	
			1732+1														
HOLL	09	1711	1732	1743	N14	W11	.395	15807	8.9	32	-B	3 C		64		F	
RAYH	09	1719	1723	1725	N13	W08	.360	15807	9.1	6	-B	3 C		47			
RAYH	09	1726	1733	1737	N13	W08	.360	15807	9.1	11	-B	3 C		34			
GRP72068	09	1727+1	1729+2	1741	S19	W08	.254	15808	9.1	14	-B			100	1.0	F	
BIGB	09	1727	1729	1741	S20	W10	.266	15808	9.0	14	-N	1 C	1729	120	1.3		
HOLL	09	1728	1731	1743	S19	W08	.254	15808	9.1	15	-B	3 C		100		F	
RAYH	09	1728	1730	1741	S19	W08	.254	15808	9.1	13	-B	3 C		94			
GRP72069	09	1845+1	1846+0	1853	S19	W11	.283	15808	9.0	8	-N			60	.6	E	
HUAN	09	1845	1846	1853	S19	W12	.294	15808	8.9	8	-N	C	1846	65	.7	E	
BIGB	09	1845	1846	1852	S21	W11	.308	15808	9.0	7	-N	2 C	1846	60	.6		
RAYH	09	1846	1846	1855	S19	W09	.263	15808	9.1	9	-N	3 C		24			
70 BIGB	09	1852	1929	1942	S36	E60	.883	15816	14.3	50	-N	1 C	1929	50	1.0	Y5	
71 BIGB	09	1900	1918	19180	S24	E72	.945	15818	15.2	180	-N	2 P	1918	15		D Y5	
GRP72072	09	1902+3	1908	19450	N13	W09	.366	15807	9.1	43	-N					K	
			1932														
HOLL	09	1902	1908	22460	N14	W13	.411	15807	8.8	2240	-N	3 C		142		F	
MCMA	09	1905		19450	N13	W10	.373	15807	9.0	480	-N	C	1930	120	1.4	EK	
HUAN	09	1917E		19280	N13	W07	.354	15807	9.3	110	-F	P	1927	25	.3	CD	
RAYH	09	1928	1932	1940	N13	W09	.366	15807	9.1	12	-B	3 C		71			
RAYH	09	1942	1942	1945	N13	W09	.366	15807	9.1	3	-N	3 C		22			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McNATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg.		
					LAT.	MER. DIST												
GRP72073	09	1919+1	1920	1925	S19	E02	.218	15812	10.0	6	-F			40	.4	D		
HUAN	09	1919		19280	S19	E02	.218	15812	10.0	90	-F	P	1922	25	.3	D		
RAMY	09	1920	1920		S20	E03	.238	15812	10.0	2	-N	3	C	46				
74	RAMY	09	1951	1951	2002	N13	W09	.366	15807	9.2	11	-N	3	C	31		Y5	
75	RAMY	09	2016	2022	2024	N13	W10	.373	15807	9.1	8	-B	2	C	23		Y5	
76	RAMY	09	2032	2032	2038	N13	W10	.373	15807	9.1	6	-B	2	C	23		F Y5	
GRP72077	09	2053+1	2100	2118	N13	W08	.360	15807	9.3	25	-F							
CULG	09	2053	2100	21180	N13	W08	.360	15807	9.3	250	-F	*	C	2100	50	.5		
BIGB	09	2054	2107	2118	N13	W09	.366	15807	9.2	24	-N	*	C	2107	70	.7		
GRP72078	09	2138+8	2202+3	2229	N17	W09	.425	15807	9.2	51	-F			60	.7			
BIGB	09	2138	2210	2231	N16	W15	.454	15807	8.8	53	-F	*	C	2210	80	.9		
CULG	09	2146	2202	2227	N17	W05	.407	15807	9.5	41	-F	*	C	2202	40	.4		
BIGB	09	2200	2205	2217	N17	W13	.451	15807	8.9	17	-F	*	C	2205	70	.7		
GRP72079	09	2235+0	2237+0	22400	N18	W15	.479	15807	8.8	5	-F			50	.6	L		
BIGB	09	2235	2237	2240	N18	W14	.472	15807	8.9	5	-F	*	C	2237	50	.6		
CULG	09	2235	2237	23120	N19	W17	.508	15807	8.7	370	-F	*	C	2237	50	.6		
80	HOLL	09	2323	2323	2334	N14	W14	.419	15807	8.9	11	-N	3	C	52		Y5	
81	CULG	10	0237	0239	0249	S12	W70	.934	15804	4.9	12	-F		C	0239	20	Y5	
82	CULG	10	0309	0314	0335	N15	W90	1.000	15802	3.4	26	-F		C	0314	30	Y5	
83	CULG	10	0317	0322	0337	N18	W11	.452	15807	9.3	20	-F		C	0322	40	.4	T Y5
84	CULG	10	0337	0340	0347	S24	E55	.824	15818	14.3	10	-F		C	0340	20	.3	Y5
85	CULG	10	0410	0413	0420	S24	E55	.824	15818	14.3	10	-N		C	0413	60	1.0	Y5
86	CULG	10	0411	0437	0454	N13	W15	.416	15807	9.0	43	-F		C	0437	30	.3	T Y5
87	CULG	10	0431	0432	0442	S11	W68	.922	15804	5.1	11	-N		C	0432	60	1.5	Y5
88	CULG	10	0551E	0556	0604	S23	E54	.813	15818	14.3	130	-F		C	0556	40	.7	Y5
89	CULG	10	0552	0606	07080	N18	W10	.446	15807	9.5	760	-F		C	0606	70	.8	T Y5
90	CULG	10	0802E	0804U	0820	N16	W16	.463	15807	9.1	180	1N	P	0804	230	2.9	FT Y5	
91	HTPR	10	0955	0959	1005	N15	W17	.460	15807	9.1	10	-F		C	0959	20	.2	E Y5
		10	1055	1100	NO FLARE PATROL													
		10	0525	0529	NO FLARE PATROL													
		10	0612	0619	NO FLARE PATROL													
		10	0746	0802	NO FLARE PATROL													
GRP72092	10	1154+0	1154+6	1212	S21	W16	.361	15808	9.3	18	-N							
LVOV	10	1154	1200	1219	S24	W14	.375	15808	9.4	25	1N		C	1200	200	2.2	E	
RAMY	10	1154	1154	1205	S19	W18	.366	15808	9.1	11	-N	3	C	32		F		
93	RAMY	10	1155	1210	1223	S36	E49	.804	15816	14.2	28	-N	3	C	21		F Y5	
GRP72094	10	1238+3	1249+3	1340	N16	W19	.491	15807	9.1	62	1N							
LVOV	10	1238	1252	1350	N16	W14	.446	15807	9.5	72	2F		C	1252	500	5.8	J	
RAMY	10	1241	1249	1330	N13	W19	.457	15807	9.1	49	-B	3	C	140		DE F		
HTPR	10	1258E		13210	N19	W21	.543	15807	9.0	230	-N		C	1313	50	.5	EF	
95	HTPR	10	1351	1351	1402	S20	E49	.759	15818	14.3	11	-N		C	1351	80	1.2	E Y5
GRP72096	10	1400>9	1432+1	1448	N15	W20	.489	15807	9.1	48	-N			35	.4			
MCMA	10	1400E		1500	N18	W17	.496	15807	9.3	680	-N		C	1405	70	.8	E	
RAMY	10	1430	1432	1435	N13	W20	.468	15807	9.1	5	-B	3	C	40		F		
MCMA	10	1430	1433	1442	N15	W22	.510	15807	9.0	12	-N		C	1433	30	.4	D	
GRP72097	10	1607>9	1609	1752	N13	W23	.501	15807	8.9	105	-B			60	.7	F		
			1658+4															
RAMY	10	1607	1609	1648	N13	W21	.479	15807	9.1	41	-B	*	C	84				
HOLL	10	1626	1658	1947	N13	W24	.513	15807	8.9	201	18	*	C	302		F		
BIGB	10	1654	1658	1752	N17	W23	.541	15807	9.0	58	-N	*	P	1658	50	.6		
RAMY	10	1656	1702	1719	N13	W21	.479	15807	9.1	23	-B	*	C	63				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	GCMATH PLAGE REGION	CMP. DAY			CONO	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.			
					LAT.	MER. DIST.													
GRP72098	10	1630+1	1635	1638	S36	E44	.764	15816	14.0	8	-N		30	.5	E				
MCMA	10	1630E		1638D	S36	E41	.739	15816	13.8	8D	-F	C	1635	40	.6	E			
RAMY	10	1631	1635	1637	S36	E47	.788	15816	14.2	6	-3	3	C	22					
99	RAMY	10	1758	1759	1805	N13	W22	.490	15807	9.1	7	-B	* C		37		Y5		
100	BIGB	10	1800	1805	1812	S37	E39	.728	15816	13.7	12	-N	1	C	1805	20	.3	Y5	
101	HOLL	10	1814	1814	1820	S21	W21	.421	15808	9.2	6	-N	3	C		24		Y5	
GRP72102	10	1853+0	1855	1911	N17	W24	.551	15807	9.0	18	-N							E	
BIGB	10	1853	1905	1912	N17	W24	.551	15807	9.0	19	-N	* C	1905	30	.3	E			
MCMA	10	1853	1855	1910	N17	W24	.551	15807	9.0	17	-N	* C	1855	50	.6	E			
GRP72103	10	2037+0	2038+1	2104	N13	W19	.457	15807	9.4	27	-N			90	1.0				
CULG	10	2037	2038U	2108	N14	W25	.533	15807	9.0	31	-N	P	2038	60	.7				
BIGB	10	2037	2039	2059	N13	W14	.407	15807	9.8	22	-N	2	C	2039	130	1.4			
GRP72104	10	2101+0	2103+0	2111	S37	E37	.712	15816	13.7	10	-F			30	.4				
CULG	10	2101	2103	2115	S37	E37	.712	15816	13.7	14	-F	C	2103	30	.4				
BIGB	10	2101	2103	2107	S37	E38	.720	15816	13.7	6	-N	3	C	2103	30	.3			
105	CULG	10	2256	2257	2305	N15	W21	.500	15807	9.4	9	-F	C	2257	20	.2		Y5	
106	VORO	11	0009		0020	N18	W28	.602	15807	8.9	11	-N	C		143	1.8	E	Y5	
107	VORO	11	0216	0219	0230	S17	W28	.489	15808	9.0	14	?N	C	0219	179	2.0	E	Y5	
			IMP.1	NO :	MITK														
GRP72108	11	0308+3	0313+0	0326	N18	W31	.633	15807	8.8	18	-N							E	
CULG	11	0308	0313	0331	N19	W30	.631	15807	8.9	23	-F	C	0313	60	.8				
VORO	11	0310	0313	0324	N18	W31	.633	15807	8.8	14	-B	C	0313	152	1.9	E			
MITK	11	0311	0313	0326	N17	W31	.625	15807	8.8	15	-N	C	0313						
109	CULG	11	0400	0404	0426	N28	W14	.604		10.1	26	-F	C	0404	100	1.3		Y5	
110	CULG	11	0431	0434	0446	S14	E19	.343	15813	12.6	15	-N	C	0434	46	.4		Y5	
111	CULG	11	0433	0456	0511	S36	E34	.679	15816	13.7	38	-F	C	0456	30	.4		Y5	
112	CULG	11	0545	0550	0605	S14	W32	.534	15808	8.8	20	-F	C	0550	80	.9		Y5	
GRP72113	11	0600+1	0605+1	0635	S23	W26	.498	15808	9.3	35	-N								
CULG	11	0600	0605	0620D	S23	W27	.511	15808	9.2	20D	-N	C	0605	160	1.8				
MITK	11	0601	0606	0635	S24	W25	.494	15808	9.4	34	-N	C	0606						
114	HANI	11	0646E	0646U	0650D	N13	W28	.560	15807	9.2	40	-N	3	C		15		Y5	
115	CULG	11	0743E	0743E	0817	S20	E25	.465	15813	13.2	34D	-F	C	0744	30	.3		Y5	
GRP72116	11	0804	0814+3	0835D	N14	W30	.591	15807	9.1	31	-N							F	
CULG	11	0804	0817	0820D	N14	W30	.591	15807	9.1	16D	-N	C	0817	80	1.0				
HANI	11	0813E	0814	0835D	N14	W31	.602	15807	9.0	22D	-N	3	C		30			F	
117	HANI	11	0857E	0857U	0908D	N15	W24	.532	15807	9.6	11D	-N	3	C		60		F	Y5
118	KHAR	11	0949E		1040D	N15	W27	.565	15807	9.4	51D	2F	P	0952	570	7.0	9EIKT	Y5	
119	KHAR	11	0949E		1005D	S23	E26	.498	15813	13.4	16D	-F	* P	0952	165	2.0	BL	Y5	
120	KHAR	11	0953E		1004D	S16	W34	.567	15808	8.9	11D	-F	V	0953			8D	Y5	
121	KHAR	11	1105E	1106	1140D	N14	W33	.625	15807	9.0	35D	?F	P	1108	175	2.3	EHKT	Y5	
			IMP.1	NO :	LVOV														
122	RAMY	11	1206	1207	1213	S20	W19	.387	15812	10.1	7	-N	3	C		25		Y5	
GRP72123	11	1223+2	1233+2	1314D	N12	W32	.600	15807	9.1	51	18							J	
LVOV	11	1223	1235	1314	N12	W30	.576	15807	9.3	51	2N	C	1235	500	6.4	J			
RAMY	11	1225	1233	1349	N13	W32	.607	15807	9.1	84	13	3	C		243		DE F		
CATA	11	1225E	1250	1250D	N12	W33	.612	15807	9.0	25D	13	2	P	1250	224	2.9			
124	RAMY	11	1438	1440	1456	S18	E18	.357	15813	13.0	18	-N	3	C		29		Y5	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH FLARE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg.	
					LAT.	MER. DIST											
GRP72125	11	1438	1510 1523+6	1604	N16	W34	.650	15807	9.1	86	-B			110	1.4	FH	
RAMY	11	1438	1528	1604	N16	W34	.650	15807	9.1	86	-B	* C		106			
MCMA	11	1507E	1523	1616D	N16	W28	.585	15807	9.5	69D	1N	* C	1523	250	3.3	F	
HOLL	11	1509	1529	1555	N13	W36	.653	15807	8.9	46	-B	* C		91		F H	
HOLL	11	1509	1510	1555	N13	W36	.653	15807	8.9	46	-N	* C		65		F H	
126	RAMY	11	1712	1712	S19	W34	.578	15808	9.2	2	-B	3 C		20		Y5	
127	RAMY	11	1733	1734	N16	W35	.661	15807	9.1	6	-B	3 C		33		Y5	
128	BIGB	11	1852E	1852U	1903	N14	W40	.704	15807	8.8	11D	-F	3 P	1852	40	.5	Y5
129	MCMA	11	1912E		1913D	S22	W34	.591	15808	9.3	1D	-N	P	1913	100	1.5	E Y5
GRP72130	11	2035+1	2037 2044	2057	S34	E29	.620	15816	14.0	22	-N					F	
CULG	11	2035	2037	2057	S36	E29	.637	15816	14.0	22	-N	C	2037	90	1.2		
HOLL	11	2036	2044	2057	S33	E30	.620	15816	14.1	21	-B	3 C		73		F	
131	CULG	11	2102	2103	2109	S23	W34	.596	15808	9.3	7	-F	C	2103	60	.7	Y5
	11	2119	2120	NO FLARE PATROL													
	11	0650	0655	NO FLARE PATROL													
132	CULG	11	2231U	2247U	2356U	N17	W42	.740	15807	8.8	85D	-F	* C	2247	60	.9	Y5
GRP72133	11	2331+9	2352 2401	0014	S35	E27	.612	15816	14.0	43	-F					EJ	
CULG	11	2331	2401	0023	S36	E27	.621	15816	14.0	52	-F	C	2401	20	.3		
VORO	11	2350	2352	0004	S34	E27	.602	15816	14.0	14	-F	C	2352	90	1.1	EJ	
GRP72134	12	0000+5	0017+3 0029+2	0204	N16	W36	.672	15807	9.3	124	1N			370	4.9	JU	
HITK	12	0000	0031	0250	N17	W34	.658	15807	9.5	170	2N	* C	0018	420	5.8	EF	
VORO	12	0001	0153	0153	N14	W38	.682	15807	9.2	112	3F	* C	0031	1021	13.9	FJ	
MANI	12	0005	0017	0110	N15	W37	.677	15807	9.2	65	13	* C		200		FDE	
MANI	12	0012E	0018	0105D	N15	W36	.666	15807	9.3	53D	18	* C		170		FDE	
PALE	12	0018E	0020U	0130D	N16	W36	.672	15807	9.3	72D	-B	* C		100		DE	
CULG	11	2340	2429	0353	N16	W35	.661	15807	9.4	253	1N	* C	2429	360	4.7	U	
GRP72135	12	0210+3	0215+2	0245	S35	E27	.611	15816	14.1	35	-B			70	.9	D	
CULG	12	0210	0217	0248	S35	E27	.611	15816	14.1	38	-N	C	0217	90	1.2		
HITK	12	0211	0217	0245	S35	E27	.611	15816	14.1	34	-B	C	0217			D	
MANI	12	0213	0215	0240	S35	E27	.611	15816	14.1	27	-B	3 C		50			
GRP72136	12	0238+0	0243+2	0303	S24	W37	.636	15808	9.3	25	-N			130	1.7	E	
HITK	12	0238	0243	0301	S25	W37	.640	15808	9.3	23	1F	C	0243	170	2.2	E	
CULG	12	0238	0245	0305	S24	W38	.647	15808	9.3	27	-N	C	0245	100	1.3		
137	CULG	12	0522	0528	0540	S24	W37	.636	15808	9.4	18	-F	C	0528	30	.4	Y5
138	CULG	12	0538	0540	0558	S23	E29	.535	15818	14.4	20	-F	C	0540	40	.5	Y5
GRP72139	12	0546+2	0549+6	0611	N15	W38	.688	15807	9.4	25	-N			140	1.9	E	
HITK	12	0546	0549	0611	N16	W38	.694	15807	9.4	25	1F	C	0549	210	3.0	E	
CULG	12	0547	0551	0618D	N15	W36	.666	15807	9.5	31D	-N	C	0551	100	1.3		
MANI	12	0548	0555	0600	N15	W38	.688	15807	9.4	12	-B	3 C		100			
GRP72140	12	0825E	0827	0858D	S35	E23	.579	15816	14.1	33	-N					D	
KHAR	12	0825E	0827	0856D	S34	E20	.544	15816	13.9	31D	-N	* P	0831	110	1.4	D	
ABST	12	0849E	0849	0858D	S35	E23	.579	15816	14.1	9D	-F	* P	0849	87	1.1	D	
HTPR	12	0850E		0857D	S35	E23	.579	15816	14.1	7D	-F	* C	0852	10	.1		
141	KHAR	12	0837E		0900D	N15	E76	.979	15823	18.1	23D	-F	P	0837	80		D Y5
GRP72142	12	0916	0922	0948D	S34	E24	.576	15816	14.2	32	-B			120	1.5	E	
HTPR	12	0916		0948D	S34	E23	.568	15816	14.1	32D	-B	C	0920	80	1.0	E	
KHAR	12	0920E	0922	0945D	S35	E25	.595	15816	14.3	25D	1N	P	0924	160	2.1	CE	
143	KHAR	12	0934E		1000D	N15	E76	.979	15823	18.1	26D	-F	P	0934	80		OH Y5
	12	1000	1001	NO FLARE PATROL													
	12	1002	1004	NO FLARE PATROL													
144	KHAR	12	1004E		1100D	N17	W46	.780	15807	9.0	56D	1F	P	1004	245	4.0	EK Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg.	
					LAT.	MER. DIST.											
145 HTPR	12	1102	1102	1112	N20	E90	1.001	15830	19.2	10	-F	C	1102	40		Y5	
146 HTPR	12	1157	1204	1206	N19	E68	.949	15823	17.6	9	-F	C	1204	20	.5	Y5	
147 HTPR	12	1303	1305	1315	S23	W46	.733	15808	9.1	12	-F	C	1305	30	.4	E Y5	
	12	1344	1424	NO FLARE PATROL													
148 HTPR	12	1424E		1434	N20	E90	1.001	15830	19.4	100	-F	* C	1424	60		Y5	
149 HTPR	12	1424E		1442D	S35	E19	.549	15816	14.0	180	-F	C	1442	80	1.0	E Y5	
	12	1442	1508	NO FLARE PATROL													
	12	0752	0805	NO FLARE PATROL													
	12	0807	0825	NO FLARE PATROL													
	12	0900	0904	NO FLARE PATROL													
150 HTPR	12	1526	1531	1540	N19	E67	.944	15823	17.7	14	-F	C	1531	50	1.3	Y5	
151 BIGB	12	1613	1618	1622	S16	E56	.824	15827	16.9	9	-N	1 C	1618	50	.9	Y5	
152 HTPR	12	1628		1633D	N20	E90	1.001	15830	19.4	50	-F	C	1629	60		Y5	
153 HOLL	12	1739	1740	1753	N13	W51	.813	15807	8.9	14	-N	3 C		18		Y5	
GRP72154	12	1814	1825	1915	N17	W33	.647		10.3	61	-F						
	BIGB	12	1814	1837	1915	N19	W32	.652		10.4	61	-F	2 C	1837	40	.5	
	BIGB	12	1820	1825	1833	N16	W34	.651		10.2	13	-F	2 C	1825	10	.1	D
155 RAMY	12	1948E	1948U	1951D	N19	E64	.928	15823	17.6	30	-B	2 C		33		Y5	
GRP72156	12	1948+0	1956	2031	S34	E16	.516	15816	14.0	43	1B			190	2.2	U	
	HOLL	12	1948	1956	2031	S34	E15	.510	15816	14.0	43	1B	3 C		226		U
	RAMY	12	1948E	1951U	1951D	S36	E17	.548	15816	14.1	30	-B	2 C		164		FDE
	MCHA	12	2010E	2017D	S34	E16	.516	15816	14.0	70	-B	P	2012	50	.6	D	
157 BIGB	12	2025	2043	2101	S32	E35	.660		15.5	36	-N	3 C	2043	80	1.0	Y5	
158 CULG	12	2147	2150	2204	S18	W01	.197	15813	12.8	17	-N	C	2150	100	1.0	Y5	
GRP72159	12	2152	2219	2257	S35	E13	.511	15816	13.9	65	-N					FU	
	CULG	12	2152	2235+2	2300	S34	E14	.503	15816	14.0	68	-N	C	2235	40	.5	
	HOLL	12	2208E	2233	2254	S37	E13	.538	15816	13.9	460	-B	2 C		132		U F
	HOLL	12	2208E	2219	2254	S37	E13	.538	15816	13.9	460	-N	2 C		52		U F
160 HOLL	12	2208E	2215U	2237	S14	E00	.127	15813	12.9	290	-N	2 C		45		Y5	
161 HOLL	12	2214E	2214U	2235	N21	E39	.734	15819	15.9	210	-N	2 C		18		Y5	
162 HOLL	12	2221	2226	2235	S19	W40	.653	15812	9.9	14	-N	2 C		34		Y5	
163 HOLL	12	2225	2228	2234	N16	W50	.813	15807	9.2	9	-N	2 C		15		Y5	
164 BIGB	12	2355U	2413U	0013D	N15	E35	.655	15819	15.6	180	?N	2 P	2413	260	3.3	Y5	
	IMP.	1	NO	MITK	CULG												
GRP72165	13	0033	0045	0131	S34	E13	.497	15816	14.0	58	-N						
	CULG	13	0033	0116	0125	S34	E15	.509	15816	14.1	52	-N	C	0045	90	1.0	T
	CULG	13	0113	0116	0131	S35	E12	.505	15816	14.0	18	-F	* C	0116	30	.3	T
166 CULG	13	0035	0042	0129	S20	E02	.232	15813	13.2	54	-F	C	0042	140	1.4	F Y5	
167 CULG	13	0152	0158	0212	S35	E13	.511	15816	14.1	20	-N	C	0158	50	.6	T Y5	
GRP72168	13	0212	0225+5	0249	S35	E14	.516	15816	14.1	37	-N			70	.8		
	CULG	13	0212	0230	0249	S35	E12	.505	15816	14.0	37	-F	C	0230	80	.9	T
	MANI	13	0222E	0225	0234D	S35	E17	.534	15816	14.4	120	-B	3 C		60		
169 CULG	13	0248	0253	0325	N18	W55	.863	15807	9.0	37	-F	C	0253	50	1.0	Y5	
GRP72170	13	0440+5	0453+1	0512	S35	E11	.500	15816	14.0	32	1N			240	2.8	EV	
	CULG	13	0440	0454	0518	S35	E10	.496	15816	13.9	38	1N	C	0454	280	3.2	VT
	MITK	13	0445	0453	0506	S35	E12	.505	15816	14.1	21	1B	C	0453	210	2.5	E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS COND. TYPE	MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY				TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg.			
					LAT.	MER. DIST												
171 ABST	13	0623E	0625	0632D	N21	E26	.611	15825	15.2	90	-F	P	0625	105	1.3	F	Y5	
GRP72172	13	0657+1	0659+6	0744	N17	E62	.911	15823	17.9	47	-N			80	1.9	F		
ABST	13	0657E	0659	0707D	N17	E62	.911	15823	17.9	100	1N	P	0659	87		F		
CULG	13	0658	0705	0744	N17	E63	.918	15823	18.8	46	-N	C	0705	70	1.6			
173 CULG	13	0736	0740	0756	S35	E09	.492	15816	14.0	20	-N	C	0740	100	1.2	T	Y5	
174 CULG	13	0738	0744	0802	N17	W57	.876	15807	9.0	24	-N	C	0744	60	1.2		Y5	
175 ATHN	13	0849E	0851	0856D	S35	E10	.496	15816	14.1	70	-N	1	0851	196	2.3		Y5	
176 KAND	13	1038E	1038	1046	N22	E22	.587	15825	15.1	80	-N	C		52			Y5	
177 HTPR	13	1050	1053	1058	S23	W59	.856	15808	9.0	8	-F	C	1053	20	.4	E	Y5	
178 KAND	13	1138E	1141	1150	N19	E54	.858	15823	17.5	120	-N	* C		42			Y5	
GRP72179	13	1138	1155	1204	N21	E90	1.001	15830	20.2	26	-N							
KAND	13	1138		1157	N19	E90	1.001	15830	20.2	19	-N	C						
KAND	13	1150	1155	1204	N24	E90	1.001	15830	20.2	14	-N	C						
180 HTPR	13	1155	1205	1230	S19	W10	.270	15813	12.7	35	-N	C	1205	60	.6	E	Y5	
181 KAND	13	1206	1211	1225	N19	E90	1.001	15830	20.3	19	-N	C					Y5	
GRP72182	13	1227+3	1232+1	1240	N19	E56	.873	15823	17.7	13	-N			50	1.0			
HTPR	13	1227	1232	1238	N20	E58	.891	15823	17.9	11	-N	C	1232	46	.8			
KAND	13	1230	1233	1241	N19	E54	.858	15823	17.6	11	-N	C		73				
183 KAND	13	1257		1323	N22	E21	.578	15825	15.1	26	-F	C					Y5	
184 KAND	13	1316	1318	1322	N15	W60	.893	15807	9.1	6	-N	C		62			Y5	
	13	1332	1437	NO FLARE PATROL														
	13	1452	1458	NO FLARE PATROL														
	13	1511	1550	NO FLARE PATROL														
185 BIGB	13	1614	1615	1625	N15	E55	.854	15823	17.8	11	-N	1 C	1615	30	.5		Y5	
186 BIGB	13	1708	1711	1725	N13	E60	.889	15823	18.2	17	-N	1 C	1711	80	1.6		Y5	
187 HOLL	13	1709	1712	1729	N14	W58	.876	15807	9.4	20	-3	3 C		101		F	Y5	
188 BIGB	13	1715	1718	1719	N16	E74	.973	15830	19.3	4	-N	1 C	1718	20			Y5	
189 BIGB	13	1715	1723	1741	N16	E89	1.000	15830	20.4	26	?N	2 C	1723	80	.6		Y5	
		IMP.1 NO : HOLL																
GRP72190	13	1843+6	1850+2	1900	S18	W10	.257	15813	13.0	17	-N			60	.6	F		
BIGB	13	1843	1852	1900	S18	W10	.257	15813	13.0	17	-N	2 C	1852	80	.8			
HOLL	13	1847	1850	1905	S18	W10	.257	15813	13.0	18	-N	4 C		48		F		
RAMY	13	1849	1850	1856	S16	W10	.257	15813	13.0	7	-N	2 C		44		F		
191 HOLL	13	1849	1849	1903	N14	W59	.884	15807	9.4	14	-3	4 C		14			Y5	
GRP72192	13	1903+4	1908+1	1923	N14	W59	.884	15807	9.4	20	-B			60	1.2	F		
BIGB	13	1903	1908	1930	N13	W60	.889	15807	9.3	27	-N	3 C	1908	60	1.2			
RAMY	13	1905	1908	1923	N15	W55	.854	15807	9.7	18	-B	2 C		77				
HOLL	13	1907	1909	1918	N14	W59	.884	15807	9.4	11	-B	4 C		22		F		
193 BIGB	13	1922	1927	1937	N16	E90	1.001	15830	20.6	15	?N	3 C	1927	80			Y5	
		IMP.1 NO : HOLL																
194 BIGB	13	1923	1924	1925	N17	W65	.930	15807	8.9	2	-N	3 C	1924	10	.2	DC	Y5	
GRP72195	13	1934+3	1938	1958	S18	W10	.257	15813	13.1	24	-N						F	
		1955																
HOLL	13	1934	1955	2010	S18	W11	.268	15813	13.0	36	-N	4 C		30		F		
RAMY	13	1937	1938	1945	S18	W10	.257	15813	13.1	8	-N	2 C		35				
GRP72196	13	1956+1	1958+8	2008	N18	E53	.847	15823	17.8	12	-B			80	1.5			
BIGB	13	1956	1958	2015	N18	E50	.821	15823	17.6	19	-N	3 C	1958	80	1.4			
RAMY	13	1956	1958	2008	N18	E53	.847	15823	17.8	12	-B	2 C		91				
HOLL	13	1957	1958	2007	N17	E55	.860	15823	18.0	10	-3	4 C		62		DE		
197 BIGB	13	2008	2011	2013	S26	E90	.999	15832	20.6	5	-N	3 C	2011	10			Y5	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	GEOGRAPHIC REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
198 BIGB	13	2014	2016	2018	N14	E90	1.000	15830	20.6	4	-N	3	C	2016	40		Y5
GRP72139	13	2042+1	2050+1	2108	N16	W62	.909	15807	9.2	26	-N				50	1.1	
BIGB	13	2042	2051	2108	N14	W62	.906	15807	9.2	26	-N	3	C	2051	60	1.3	E
CULG	13	2043E	2050U	2114	N16	W60	.896	15807	9.4	310	-F		C	2050	40	.9	
HOLL	13	2043	2051	2104	N16	W63	.916	15807	9.1	21	-3	4	C		48		F
GRP72200	13	2049+9	2058+4	2111	N19	E55	.866	15823	18.0	22	-N				30	.6	
BIGB	13	2049	2058	2111	N21	E55	.872	15823	18.0	22	-N	3	C	2058	40	.7	
CULG	13	2058	2102	2114	N19	E55	.866	15823	18.0	16	-F		C	2102	10	.2	
HOLL	13	2058	2059	2106	N17	E55	.860	15823	18.0	8	-B	4	C		29		
201 HOLL	13	2115	2115	2132	N21	E26	.611	15819	15.8	17	-N	4	C		21		Y5
202 HOLL	13	2125	2128	2137	N17	E54	.852	15823	17.9	12	-B	4	C		109		U F Y5
GRP72203	13	2134>9	2140+4	2211	N14	W70	.954	15807	8.6	37	-F						
CULG	13	2134	2144	2211	N14	W70	.954	15807	8.6	37	-F		C	2144	30		
CULG	13	2134	2140	2156	N08	W61	.888	15807	9.3	22	-F		P	2140	80	1.6	
BIGB	13	2153	2200	2202	N15	W78	.986	15807	8.1	9	-N	3	C	2200	50		
BIGB	13	2209	2221	2248	N15	W65	.927	15807	9.0	39	-N	3	C	2221	40	.9	
GRP72204	13	2151	2158	2215	N14	E90	1.000	15830	20.7	24	-N						
BIGB	13	2151	2158	2215	N16	E90	1.001	15830	20.7	24	-N	3	C	2158	40		
BIGB	13	2155	2158	2206	N12	E90	1.000	15830	20.7	11	-N	3	C	2158	40		
205 BIGB	13	2207	2211	2223	S25	E90	.999	15832	20.7	16	-N	3	C	2211	40		Y5
206 BIGB	13	2249	2254	2300	S25	E90	.999	15832	20.7	11	-N	3	C	2254	40		Y5
207 BIGB	13	2338	2343	2350	S25	E90	.999	15832	20.7	12	-N	3	C	2343	20		Y5
GRP72208	14	0018+2	0020+2	0036	N13	W63	.911	15807	9.3	18	-B				90		FU
BIGB	14	0018	0020	0036	N13	W64	.918	15807	9.2	18	1N	3	C	0020	110	2.6	
CULG	14	0018	0022	0044	N14	W62	.906	15807	9.4	26	-N		C	0022	70	1.9	
HOLL	14	0018	0020	00280	N16	W65	.929	15807	9.1	100	-B	3	C		80		U F
MANI	14	0020	0022	0030	N12	W62	.902	15807	9.4	10	-B	3	C		100		F
MANI	14	0020	0027	0030	N12	W62	.902	15807	9.4	10	-B	3	C		100		F
209 CULG	14	0055	0058	0104	N23	E15	.548	15825	15.2	9	-N		C	0058	50	.6	Y5
GRP72210	14	0104+2	0108+2	0119	N16	E81	.993	15830	20.1	15	-N						
CULG	14	0104	0110	0124	N15	E82	.995	15830	20.2	20	-F		C	0110	30		
MANI	14	0106	0109	0113	N17	E82	.995	15830	20.2	7	-B	2	C		60		
MANI	14	0107E	0108	0112	N16	E80	.991	15830	20.0	50	-B	3	C		80		
211 CULG	14	0132	0136	0144	N18	E47	.794	15823	17.6	12	-F		C	0136	40	.8	Y5
212 CULG	14	0238	0249	0302	N23	E15	.548	15825	15.2	24	-N		C	0249	40	.5	Y5
213 CULG	14	0443	0446	0451	N23	E15	.548	15825	15.3	8	-N		C	0446	40	.5	Y5
214 CULG	14	0610	0617	0642	N11	E90	1.000	15830	21.0	32	-N		C	0617	20		Y5
215 CULG	14	0622	0632	0643	N18	E78	.987	15830	20.1	21	-N		C	0632	30		Y5
216 CULG	14	0625	0646	0704	N14	W72	.963	15807	8.9	39	-F		C	0646	30		Y5
GRP72217	14	0650+3	0655+0	0711	N16	E82	.995	15830	20.4	21	-N				40		
CULG	14	0650	0655	0711	N15	E80	.991	15830	20.3	21	-N		C	0655	30		
MANI	14	0653	0655	0710	N17	E85	.999	15830	20.7	17	-3	2	C		50		
218 CULG	14	0654	0658	0709	N18	E43	.756	15823	17.5	15	-F		C	0658	20	.3	Y5
219 CULG	14	0708	0715	0739	N15	W65	.927	15807	9.4	31	-F		C	0715	30		Y5
220 CULG	14	0723	0733	0754	N18	E80	.992	15830	20.3	31	-F		C	0733	20		Y5
GRP72221	14	0744>9	0807	0819	N15	W67	.939	15807	9.3	35	-N						
CULG	14	0744	0807	0817	N15	W65	.927	15807	9.4	33	-N		P	0807	50		
KAND	14	0808		0820	N15	W70	.955	15807	9.1	12	-N		C				
GRP72222	14	0759	0807+5	0819	N17	E77	.984	15830	20.1	20	-F						
CULG	14	0759	0812	0819	N17	E80	.991	15830	20.3	20	-F		P	0812	40		
KAND	14	0802E	0807	0818	N17	E75	.977	15830	20.0	160	-N		C				

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq. Deg.	
					LAT.	MER. DIST.												
223 CULG	14	0801	0803	0812	S16	W19	.354	15813	12.9	11	-F	P	0803	40	.5	Y5		
GRP72224	14	0819+1	0823+1	0900	N03	E54	.817	15828	18.4	41	-N							
MANI	14	0819	0823	0840	N03	E55	.827	15828	18.5	21	-N	2	C		35	.6	F	
KAND	14	0820	0824	0901	N04	E54	.819	15828	18.4	41	-N		C		42		F	
ATHN	14	0835E	0835	0900	N02	E51	.784	15828	18.2	250	-N	1		0835	90	1.1		
225 KAND	14	0845	0850	0901	N16	E90	1.001	15830	21.1	16	-N		C				Y5	
	14	1027	1033	NO FLARE PATROL														
226 HTPR	14	1302	1302	1306	S40	W14	.581	15816	13.5	4	-F		C	1302	30	.4	E	Y5
227 HTPR	14	1415	1418	1419	N18	E45	.776	15823	18.0	4	-F		C	1418	60	.8		Y5
	14	1537	1546	NO FLARE PATROL														
228 HOLL	14	1548	1604	1656	N15	W75	.976	15807	9.0	68	-B	3	C				FDE	Y5
229 BIGB	14	1709	1712	1719	N22	E43	.777	15823	17.9	10	-N	2	C	1712	40	.6		Y5
GRP72230	14	1747	1800	1818	N18	E41	.737	15823	17.8	31	-N							
			1814															
BIGB	14	1747	1800	1815	N21	E44	.781	15823	18.0	28	-N	2	C	1800	90	1.3		
BIGB	14	1810	1814	1818	N16	E38	.694	15823	17.6	8	-F	2	C	1814	10	.1		
231 BIGB	14	1831	1833	1840	N13	E65	.924	15830	19.6	9	-N	2	C	1833	50	.9		Y5
232 BIGB	14	1955	2014	2053	N16	E41	.726	15823	17.9	58	-N	2	C	2014	140	1.5		Y5
233 BIGB	14	2118	2120	2123	N25	E06	.535	15825	15.3	5	-F	3	C	2120	50	.5		Y5
234 BIGB	14	2143	2148	2152	N30	E80	.996		20.9	9	-F	3	C	2148	10		D	Y5
235 BIGB	14	2147	2150	2205	N16	E70	.956	15830	20.2	18	-F	2	C	2150	40			Y5
GRP72236	14	2211+9	2222	2248	N15	E68	.944	15830	20.0	37	-N							
			2233+2															
BIGB	14	2211	2222	2240	N16	E69	.951	15830	20.1	29	1N	3	C	2222	130			
BIGB	14	2222	2233	2243	N13	E75	.975	15830	20.6	21	-F	3	C	2233	10		D	
HOLL	14	2226	2235	2252	N16	E65	.929	15830	19.8	26	-N	3	C		24			
237 BIGB	14	2226	2230	2236	N30	E80	.996		20.9	10	-F	3	C	2230	10		D	Y5
238 VORO	15	0040	0041	0045	N17	E33	.648	15823	17.5	5	-F		C	0041	27	.3	D	Y5
239 VORO	15	0106	0107	0108	N16	E64	.923	15830	19.8	2	-F		C	0107	54	1.3	D	Y5
240 VORO	15	0112	0113	0119	N14	W90	1.000	15807	8.3	7	-F		C	0113	45		DH	Y5
GRP72241	15	0118+0	0119+4	0130	N17	E69	.952	15830	20.2	12	1N				130		E	
VORO	15	0118	0119	0130	N18	E68	.948	15830	20.2	12	-N		C	0119	179		E	
MANI	15	0118	0123	0129	N17	E70	.957	15830	20.3	11	-B	2	C		90			
GRP72242	15	0134+1	0137+3	0156	S19	W27	.484	15813	13.0	22	-N				80	.9	EHJ	
VORO	15	0134	0137	0202	S19	W28	.497	15813	13.0	28	-N		C	0137	108	1.2	EHJ	
MANI	15	0135	0140	0150	S19	W26	.470	15813	13.1	15	-B	2	C		50			
GRP72243	15	0139+2	0143+0	0149	N16	E33	.641	15823	17.5	10	-B						D	
VORO	15	0139	0143	0149	N17	E33	.648	15823	17.5	10	-B		C	0143	108	1.4	D	
MANI	15	0141	0143	0149	N16	E34	.652	15823	17.6	8	-B	2	C		30			
244 VORO	15	0213	0215	0223	S16	E36	.593	15827	17.8	10	-F		C	0215	54	.6	E	Y5
245 VORO	15	0235	0237	0241	N22	E00	.482	15825	15.1	6	-N		C	0237	99	1.1	E	Y5
GRP72246	15	0238+8	0245+3	0305	N17	E68	.947	15830	20.2	27	1N				100		EJ	
VORO	15	0238	0245	0306	N18	E68	.948	15830	20.2	28	-N		C	0245	90		EJ	
MANI	15	0246	0248	0303	N16	E68	.946	15830	20.2	17	-B	2	C		80			
CULG	15	0250E		02510	N17	E69	.952	15830	20.3	10	1N		P	0251	120			
247 CULG	15	0354	0356	0403	N15	E32	.622	15823	17.6	9	-F		C	0356	40	.5		Y5
248 CULG	15	0354	0357	0402	S19	W29	.511	15813	13.0	8	-F	*	C	0357	40	.5		Y5
249 CATA	15	0725E	0725	07250	N10	W90	1.000	15807	8.6		?N	2	P	0725	112		A	Y5
		IMP.1	NO	TACH														

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH FLARE REGION			CMP DAY	COND	TYPE	TIME UT	MEAS. AREA Mil. of Disk		CORR AREA Sq. Deg.
					LAT.	NER. DIST.											
250 CATA	15	0845	0845	0853	N18	E65	.932	15830	20.2	5	1N	2	C	0845	84		Y5
GRP72251	15	0951+4	0955+0	1011	N23	E00	.497	15825	15.4	20	-N				70	.8	H
ZURI	15	0951	0955	1011	N23	E00	.497	15825	15.4	20	-N		C	0955	70	.8	
CATA	15	0955	0955	1000D	N23	E01	.498	15825	15.5	50	-B	2	P	0955	84	1.0	H
252 KAND	15	1046		1057	N15	W90	1.000	15807	8.7	11	-F		C				Y5
253 KAND	15	1118	1128	1138	N15	W90	1.000	15807	8.7	20	-F		C				Y5
254 ZURI	15	1143	1147	1155	N19	W05	.443	15825	15.1	12	-F		C	1147	80	.9	Y5
	15	1309	1410		NO FLARE PATROL												
	15	1419	1552		NO FLARE PATROL												
	15	0324	0353		NO FLARE PATROL												
	15	0403	0415		NO FLARE PATROL												
	15	0421	0431		NO FLARE PATROL												
	15	0450	0455		NO FLARE PATROL												
	15	0508	0512		NO FLARE PATROL												
255 BIGB	15	1558	1600	1603	N02	E39	.642	15828	18.6	5	-N	1	C	1600	20	.7	Y5
GRP72256	15	1637E	1637	1657	N16	E64	.923	15830	20.5	20	-N						
BIGB	15	1637E	1637	1657	N17	E59	.891	15830	20.1	200	-N	1	C	1637	80	1.1	
BIGB	15	1637E	1637	1655	N15	E69	.950	15830	20.9	180	-N	1	C	1637	20		
257 BIGB	15	1713	1715	1723	N16	E50	.814	15830	19.5	10	-N	2	C	1715	80	.9	Y5
258 BIGB	15	1807	1809	1822	N10	E59	.876	15830	20.2	15	-N	3	C	1809	10	.1	D
259 BIGB	15	2016	2020	2024	N14	W90	1.000	15807	9.1	8	1N	2	C	2020	60		Y5
260 BIGB	15	2133	2137	2202	N04	E60	.873		20.4	29	-N	3	C	2137	10	.2	D
261 BIGB	15	2149	2154	2154D	N14	E67	.938	15830	20.9	50	-N	3	C	2154	20		Y5
262 BIGB	15	2152	2157	2157D	S26	E65	.903	15832	20.8	50	-N	3	C	2157	60	1.1	Y5
263 CULG	15	2239	2241	2248	S15	W79	.977	15812	10.0	9	-F		C	2241	40		Y5
264 VORO	15	2338	2339	2342	N19	E48	.808	15830	19.6	4	-N		C	2339	45	.7	D
GRP72265	16	0029+1	0031+2	0043	N21	E53	.857	15830	20.0	14	-N				60	1.1	EL
VORO	16	0029	0031	0040	N23	E53	.864	15830	20.0	11	-N		C	0031	72	1.3	EL
CULG	16	0030	0033	0046	N19	E53	.850	15830	20.0	16	-N		C	0033	50	.9	
266 VORO	16	0104	0104	0105	S14	E22	.387	15827	17.7	1	-N		C	0104	27	.2	D
GRP72267	16	0144+2	0152+3	0315	N16	E59	.889	15830	20.5	91	3B				900	18.8	FHIJKU
CULG	16	0123	0152	0413	N14	E60	.892	15830	20.6	170	2B		C	0152	560	10.1	ZVFKU
MITK	16	0144	0152	0313	N16	E59	.889	15830	20.5	95	3B		C	0152	930	20.2	FH
PALE	16	0145	0152	0248	N15	E58	.879	15830	20.4	63	2B	3	C		653		U F
VORO	16	0146	0155	0257	N17	E56	.868	15830	20.3	71	3F		C	0155	1120	22.7	FHIJ
KODA	16	0152E	0152	0238	N17	E60	.898	15830	20.6	460	4B		P	0152	2662	27.4	EI
KODA	16	0303E	0305	0329	N17	E59	.891	15830	20.6	260	1N	*	V	0303			E
MITK	16	0314	0317	0344	N16	E59	.889	15830	20.6	30	2B	*	C	0317	320	6.7	F
268 CULG	16	0302	0312	0330	S29	E62	.885	15832	20.8	28	-F		C	0312	40	.8	Y5
269 CULG	16	0314	0320	0357	S28	E12	.407		17.0	43	-F		C	0320	40	.4	KT
270 MITK	16	0357	0405	0413	S20	W90	.999	15808	9.4	16	?F		C	0405	110		Y5
		IMP.1	NO	CULG													
271 CULG	16	0457	0509	0532	N18	E18	.509	15823	17.6	35	-F		C	0509	70	.8	Y5
272 MITK	16	0552	0557	0613	N15	W90	1.000	15807	9.5	21	?N		C	0557	130		EG
		IMP.1	NO	CULG													
GRP72273	16	0603	0623+6	0700	S29	E60	.871	15832	20.8	57	1N				100	2.2	EU
CULG	16	0603	0623	0700	S29	E59	.863	15832	20.7	57	-N		C	0623	80	1.6	
ATHN	16	0620E	0625	0737D	S28	E60	.869	15832	20.8	770	-N	1		0625	95	1.2	
TACH	16	0622	0629	0640	S30	E62	.886	15832	20.9	18	2N		C	0629	274		EU
274 CULG	16	0756	0802	0816	S27	W63	.890	15815	11.5	20	-F		C	0802	20	.4	Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS	MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP. DAY				COND.	TYPE	TIME UT		MEAS AREA	CORR AREA
					LAT.	MER. DIST.												
275 KHAR	16	0956E		1005D	N18	E14	.476	15823	17.5	90	-F	P	0956			D	Y5	
276 KHAR	16	1048E	1049	1055D	N21	E86	1.000	15837	22.9	70	-F	P	1052	80		D	Y5	
277 KHAR	16	1105	1106	1119	N18	E16	.492	15823	17.7	14	-N	P	1109	90	1.2	E	Y5	
GRP72278	16	1109	1109	1125D	S28	E56	.838	15832	20.7	16	1F							
KHAR	16	1109	1109	1125D	S29	E58	.855	15832	20.8	160	1F	V	1109					
HTPR	16	1115E		1121D	S28	E54	.821	15832	20.5	60	-F	C	1118	80	1.4			
	16	1130	1156	NO FLARE PATROL														
279 HTPR	16	1156E		1206D	N23	E46	.809	15830	19.9	100	-F	C	1156	70	.7		Y5	
280 HTPR	16	1245	1256	1312	N18	E10	.450	15823	17.3	27	-N	C	1256	70	.7	EK	Y5	
281 HTPR	16	1324		1335D	N20	E10	.479	15823	17.3	110	-F	C	1334	40	.4	E	Y5	
282 HTPR	16	1325		1335D	N21	E50	.833	15830	20.3	100	-F	C	1335	50	.8	E	Y5	
	16	1335	1352	NO FLARE PATROL														
283 HTPR	16	1444	1446	1451	N19	E45	.781	15830	20.0	7	-F	C	1446	30	.4	E	Y5	
284 HTPR	16	1530	1540	1544	N19	E13	.483	15823	17.6	14	-F	C	1540	20	.2	E	Y5	
285 MCMA	16	1624	1630	1715	N13	E51	.813	15830	20.5	51	-B	C	1630	60	1.1	E	Y5	
GRP72286	16	1718>9	1742	1829	N19	E10	.465	15823	17.5	71	-N			80	.9	EK		
			1755+1															
MCMA	16	1718	1755	1840	N19	E10	.465	15823	17.5	82	-B	C	1755	100	1.2			
MCMA	16	1718	1725	1840	N19	E10	.465	15823	17.5	82	-B	C	1725	100	1.2			
MCMA	16	1718	1742	1840	N19	E10	.465	15823	17.5	82	-B	C	1742	125	1.5	EK		
BIGB	16	1750	1756	1817	N19	E11	.470	15823	17.6	27	-N	2	C	1756	70	.8		
GRP72287	16	1750+0	1753+6	1816	N14	E38	.683	15830	19.6	26	-N			80	1.1	EH		
			1812+2															
MCMA	16	1750	1755	1810	N13	E36	.655	15830	19.4	20	-N	C	1755	75	1.0	EH		
BIGB	16	1750	1753	1814	N12	E37	.661	15830	19.5	24	-N	2	C	1753	90	1.2		
BIGB	16	1758	1759	1815	N19	E46	.790	15830	20.2	17	-N	2	C	1759	20	.3	E	
BIGB	16	1808	1814	1817	N14	E41	.716	15830	19.8	9	-N	2	C	1814	20	.3	E	
BIGB	16	1810	1812	1821	N16	E37	.697	15830	19.5	11	-N	2	C	1812	20	.3	E	
288 MCMA	16	1852	1901	1940	N19	E10	.465	15823	17.5	48	-B	C	1901	60	.7	D	Y5	
289 BIGB	16	1932	1937	1944	N18	E36	.687	15830	19.5	12	-N	2	C	1937	20	.3	E	Y5
GRP72290	16	1951+2	1954	2011	N19	E10	.465	15823	17.6	20	-N							
			2001															
MCMA	16	1951	1954	2013D	N19	E10	.465	15823	17.6	220	-N	C	1954	50	.6	E		
BIGB	16	1953	2001	2008	N19	E11	.470	15823	17.7	15	-N	2	C	2001	10	.1	D	
291 CULG	16	2053	2100	2118	N17	E44	.762	15830	20.2	25	1F	C	2100	300	4.6		Y5	
292 CULG	16	2136	2145	2216D	N18	E08	.440	15823	17.5	400	-B	C	2145	120	1.3	J	Y5	
293 CULG	16	2149	2155	2210	N16	E35	.663	15830	19.5	21	-F	C	2155	100	1.4		Y5	
	16	2216	2307	NO FLARE PATROL														
294 MANI	16	2307E	2307U	2318D	N20	E11	.484	15823	17.8	110	-N	2	V		30			Y5
GRP72295	17	0004	0007	0048	N18	E08	.440	15823	17.6	44	-N							JKZ
			0023+1															
MITK	17	0004	0007	0041	N18	E08	.440	15823	17.6	37	-F	C	0007					DZ
MANI	17	0011E	0015	0050D	N20	E10	.479	15823	17.8	390	-B	3	C		40			F
MANI	17	0011E	0024	0050D	N20	E10	.479	15823	17.8	390	-N	3	C		80			F
VORO	17	0020	0023	0048	N17	E05	.413	15823	17.4	28	-N	C	0031	61	.8		EJK	
296 VORO	17	0013	0021	0040	N10	E40	.686	15830	20.0	27	-N	C	0021	45	.5	D	Y5	
297 VORO	17	0043	0050	0100	N17	E38	.701	15830	19.9	17	-N	C	0050	54	.7	DJ	Y5	
298 VORO	17	0124	0127	0147	N19	E40	.733	15830	20.1	23	-N	C	0127	99	1.5	EH	Y5	
299 VORO	17	0129	0135	0143	N19	E08	.455	15823	17.7	14	?F	C	0135	188	2.1	EH	Y5	
		IMP.1	NO	4	CULG													

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
300	VORO	17 0140	0142	0145	N25	E80	.994	15837	23.1	5	-F	C	0142	45		OG	Y5	
301	CULG	17 0145	0158	0245	N20	E75	.980	15837	22.7	60	-F	C	0158	60			Y5	
302	VORO	17 0208	0209	0222	N19	E05	.444	15823	17.5	14	-N	C	0209	72	.8	D	Y5	
GRP72303		17 0224+7	0235+3	0319	N18	E06	.432	15823	17.5	55	1N			370	4.1	EJK		
	VORO	17 0224	0235	0305	N19	E06	.447	15823	17.6	41	2F	C	0235	466	5.2	EJK		
	CULG	17 0231	0238	0333	N18	E07	.436	15823	17.6	62	1N	C	0238	280	3.1	JT		
GRP72304		17 0256+0	0257+1	03080	N19	E38	.714	15830	20.0	12	-N			130	1.8			
	VORO	17 0256	0257	0308	N20	E38	.720	15830	20.0	12	1F	C	0257	143	2.1	E		
	CULG	17 0256	0258	0347	N18	E38	.707	15830	20.0	51	-N	C	0258	130	1.8	F		
305	CULG	17 0346	0350	0357	S30	E47	.763	15832	20.7	11	-F	C	0350	40	.6		Y5	
306	CULG	17 0650	0657	0706	S19	E08	.248	15827	17.9	16	-F	C	0657	20	.2		Y5	
307	CULG	17 0659	0705	0721	N18	E04	.426	15823	17.6	22	1F	C	0705	240	2.6	T	Y5	
GRP72308		17 0802	0805+4	08400	N18	E04	.426	15823	17.6	38	-N						E	
	CULG	17 0802	0805	0819D	N18	E05	.429	15823	17.7	170	-N	C	0805	160	1.8	T		
	MANI	17 0805E	0809U	08140	N18	E04	.426	15823	17.6	90	-N	2 C		40				
	ATHN	17 0816E	0825	08400	N20	E05	.460	15823	17.7	240	-N	1	0825	49	.5			
	HTPR	17 0823E		0829D	N18	W01	.422	15823	17.3	60	-N	C	0825	50	.5	E		
GRP72309		17 0809+1	0809+5	0820	N17	E34	.659	15830	19.9	11	-N						D	
	MANI	17 0809E	0809U	08140	N17	E30	.617	15830	19.6	50	-N	2 C		30				
	CULG	17 0810	0814	0819D	N13	E34	.632	15830	19.9	90	1F	P	0814	200	2.6			
	KODA	17 0814E	0814	0820	N17	E36	.680	15830	20.0	60	-B	V	0814			D		
310	HTPR	17 0841E		08450	N18	W01	.422	15823	17.3	40	-N	C	0841	50	.5	E	Y5	
311	HTPR	17 0856E		08580	N18	W01	.422	15823	17.3	20	-N	C	0856	50	.5	E	Y5	
312	KHAR	17 0946E	1002	10100	N18	E03	.424	15823	17.6	240	-F	P	1002			ET	Y5	
313	KHAR	17 1022E	1024	10450	N18	E03	.424	15823	17.7	230	-F	V	1025			ET	Y5	
314	KHAR	17 1040E	1055	11250	S13	W67	.914	15813	12.4	450	-F	P	1057	100		H	Y5	
315	KHAR	17 1102E	1102	1109D	N18	E03	.424	15823	17.7	70	-F	V	1102			T	Y5	
		17 1110	1149	NO FLARE PATROL														
316	RAMY	17 1155	1156	1158	N18	E04	.426	15823	17.3	3	-N	2 C		31			Y5	
317	RAMY	17 1201	1204	1209	N16	E33	.641	15830	20.0	8	-N	2 C		35			Y5	
318	RAMY	17 1219	1220	1224	N18	E04	.426	15823	17.8	5	-B	2 C		44			Y5	
		17 1307	1329	NO FLARE PATROL														
319	RAMY	17 1333	1333	1348	S27	E43	.713	15832	20.8	15	-N	3 C		18			Y5	
GRP72320		17 1343+0	1344+1	1413	N15	E41	.721	15830	20.6	30	-F			40	.6	E		
	HTPR	17 1343	1345	1410	N16	E41	.727	15830	20.6	27	-F	C	1345	40	.5	E		
	MCHA	17 1343	1344	1415	N14	E42	.727	15830	20.7	32	-N	C	1344	40	.6	E		
321	RAMY	17 1415	1417	1434	S27	E43	.713	15832	20.8	19	-N	3 C		20			Y5	
322	RAMY	17 1430	1435	1447	N07	W03	.246	15836	17.4	17	-F	3 C		22			Y5	
GRP72323		17 1431+6	1439+4	1505	N18	E01	.422	15823	17.7	34	1B			190	2.1	E		
	RAMY	17 1431	1443	1606	N18	E02	.422	15823	17.8	95	1B	3 C		253		F		
	MCHA	17 1436	1439	1505	N18	E01	.422	15823	17.7	29	-B	C	1439	120	1.3	ET		
	HTPR	17 1437	1439	1502	N18	W03	.424	15823	17.4	25	-N	C	1439	200	2.0	E		
GRP72324		17 1455>9	1528	1618	N19	E32	.654	15830	20.0	83	-N						K	
	HTPR	17 1455		1524D	N21	E34	.689	15830	20.2	290	-F	C	1505	50	.6	EK		
	RAMY	17 1514	1528	1618	N16	E31	.620	15830	20.0	64	-B	3 C		183		F		
	HTPR	17 1528E		1545D	N23	E33	.695	15830	20.1	170	-F	C	1528	60	.7	E		
GRP72325		17 1528>9	1555	1610	N18	00	.421	15823	17.6	42	-N						E	
	HTPR	17 1528E		1545D	N19	W02	.438	15823	17.5	170	-F	* C	1532	30	.3	E		
	MCHA	17 1545	1555	1610	N18	E01	.422	15823	17.7	25	-N	* C	1555	75	.8	E		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq Deg	
					LAT.	MER. DIST.												
326 MCMA	17	1706		17350	N18	E31	.422	15823	17.8	290	-N	C	1720	110	1.2	E	Y5	
GRP72327	17	1720+2	1723>9	1743	N16	E24	.545	15830	19.5	23	-N			35	.4			
HOLL	17	1710E	1733	1744	N16	E27	.576	15830	19.7	340	-F	2 C		38			F	
HOLL	17	1710E	1711	1744	N16	E27	.576	15830	19.7	340	-N	2 C		39			F	
RAMY	17	1720	1723	1757	N16	E22	.524	15830	19.4	37	-B	3 C		31				
MCMA	17	1721	1726	1742	N17	E25	.565	15830	19.6	21	-N	C	1726	60	.7	E		
BIGB	17	1722	1729	1738	N19	E23	.565	15830	19.4	16	-N	1 C	1729	10	.1	D		
GRP72328	17	1740+2	1743+2	1747	N18	E00	.421	15823	17.7	7	-B						EU	
MCMA	17	1740	1743	1800	N18	E00	.421	15823	17.7	20	-N	C	1743	110	1.2	E		
RAMY	17	1742	1745	1747	N18	E00	.421	15823	17.7	5	-B	3 C		23				
HOLL	17	1742	1743	1745	N18	E04	.426	15823	18.0	3	-B	3 C		47			U	
329 HOLL	17	1751	1757	1800	N16	E27	.576	15830	19.8	9	-N	3 C		53			F	Y5
GRP72330	17	1805+0	1806+2	1813	N07	W04	.250	15836	17.5	8	-N			40	.4		D	
RAMY	17	1805	1807	1821	N07	W06	.261	15836	17.3	16	-N	3 C		47				
MCMA	17	1805	1808	1813	N07	W04	.250	15836	17.5	8	-N	C	1808	30	.3	D		
BIGB	17	1805	1806	1810	N07	W04	.250	15836	17.5	5	-N	1 C	1806	30	.3			
331 MCMA	17	1835	1845	19000	N18	E00	.421	15823	17.8	250	-N	C	1845	100	1.3	E	Y5	
GRP72332	17	1842+2	1848+2	1903	N17	E23	.545	15830	19.5	21	-N			40	.5		E	
MCMA	17	1842	1850	1903	N17	E25	.565	15830	19.7	21	-N	* C	1850	40	.5	E		
RAMY	17	1843	1850	19190	N16	E22	.524	15830	19.4	360	-B	* C		53				
BIGB	17	1844	1848	1859	N18	E23	.555	15830	19.5	15	-N	* C	1848	20	.2	E		
333 MCMA	17	1900	1905	19150	N18	W01	.422	15823	17.7	150	-N	C	1905	125	1.4	E	Y5	
GRP72334	17	1905+0	1908+2	1925	N16	E28	.587	15830	19.9	20	-B						F	
HOLL	17	1825	1910	19150	N16	E28	.587	15830	19.9	500	1B	* V		262			F	
BIGB	17	1905	1908	1921	N17	E18	.497	15830	19.1	16	-N	* C	1908	90	1.0			
MCMA	17	1905	1908	19250	N15	E28	.579	15830	19.9	200	-N	* C	1908	100	1.3	E		
HOLL	17	1909E	1910	1952	N16	E28	.587	15830	19.9	430	1B	* C		202			F	
335 MCMA	17	1915	1916	1924	N18	W01	.422	15823	17.7	9	-N	C	1916	60	.7	E	Y5	
336 MCMA	17	1931	1932	1940	N15	E28	.579	15830	19.9	9	-N	* C	1932	100	1.3		Y5	
337 MCMA	17	1945	1954	2000	N18	W01	.422	15823	17.7	15	-N	C	1954	60	.7	E	Y5	
GRP72338	17	2014>9	2030+2	2140	N17	W04	.410	15823	17.5	86	-N						F	
BIGB	17	2014	2030	2045	N17	W04	.410	15823	17.5	31	-N	2 C	2030	80	.8			
HOLL	17	2029	2032	2217	N17	W02	.407	15823	17.7	108	1B	3 C		196			F	
BIGB	17	2110	2125	2140	N17	W04	.410	15823	17.6	30	-N	1 P	2125	70	.7			
339 HOLL	17	2030	2037	2040	N16	E27	.576	15830	19.9	10	-F	3 C		50			Y5	
GRP72340	17	2126+0	2130	2310	N18	E21	.536	15830	19.5	104	-B			130	1.5		E	
HOLL	17	2126	2130	2313	N16	E26	.566	15830	19.8	107	-B	3 C		116			DE	
BIGB	17	2126	2128	21280	N18	E20	.527	15830	19.4	20	-N	1 P	2128	140	1.5			
CULG	17	2139E	2148	22000	N18	E20	.527	15830	19.4	210	-N	P	2148	60	.7			
BIGB	17	2215	2224	2230	N18	E19	.518	15830	19.4	15	-N	1 C	2224	40	.4			
BIGB	17	2230	2241	2306	N18	E26	.584	15830	19.9	36	-N	1 C	2241	40	.4	E		
BIGB	17	2301	2303	2306	N18	E19	.518	15830	19.4	5	-N	1 C	2303	30	.3			
341 HOLL	17	2127	2130	2153	N01	E06	.172	15828	18.3	26	-N	3 C		58			Y5	
GRP72342	17	2218+0	2219+0	2232	N01	E06	.172	15828	18.4	14	-N			50	.5			
BIGB	17	2218	2219	2225	N02	E07	.196	15828	18.5	7	-N	1 C	2219	40	.4			
HOLL	17	2218	2219	2239	N01	E05	.163	15828	18.3	21	-B	3 C		66				
343 HOLL	17	2304	2306	2319	S27	E39	.670	15832	20.9	15	-N	3 C		26			Y5	
344 BIGB	17	2358	2400	0017	N18	E28	.605	15830	20.1	19	-N	1 C	2400	40	.5		Y5	
345 CULG	18	0116	0121	0133	S32	E40	.705	15832	21.1	17	-F	C	0121	30	.4		Y5	
346 MITK	18	0142	0143	0149	N18	W07	.436	15823	17.5	7	-N	C	0143			E	Y5	
347 CULG	18	0223	0225	0319	N18	E19	.518	15830	19.5	56	-N	P	0225	90	1.0		Y5	
348 CULG	18	0446	0449	0510	N18	E23	.555	15830	19.9	24	-F	C	0449	60	.7	F	Y5	

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMAH PLAGE REGION			CMP DAY	COND	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq Deg.
					LAT.	MER DIST.											
349 CULG	18	0531	0538	0539D	N19	W08	.456	15823	17.6	8D	-N	P	0538	40	.4	Y5	
	18	0616	0617	NO FLARE PATROL													
350 CULG	18	0618E	0622D	0622D	N19	E25	.585	15830	20.1	4D	-N	P	0622	130	1.6	F Y5	
GRP72351	18	0637	0644	0720	N18	E16	.493	15830	19.5	43	1B					FK	
			0710														
MITK	18	0637	0644	0725	N19	E16	.505	15830	19.5	48	1B	C	0644	360	4.3	F	
MANI	18	0649E	0649U	0656D	N16	E13	.443	15830	19.3	7D	-B	1 C		150		F	
HTPR	18	0702E		0717	N20	E18	.533	15830	19.6	15D	-B	C	0702	150	1.5	BEK	
CATA	18	0705E	0710	0720D	N18	E17	.501	15830	19.6	15D	1B	2 P	0710	168	2.0		
352 HTPR	18	0933	0936	0946	N19	E17	.513	15830	19.7	13	-F	C	0936	30	.3	E Y5	
353 CATA	18	0940	0950	1030D	S31	W38	.681		15.6	50D	?N	2 P	0950	168	2.3	Y5	
		IMP.1 NO : HTPR															
354 HTPR	18	1102	1106	1108	N17	E20	.516	15830	20.0	6	-F	C	1106	40	.4	Y5	
355 HTPR	18	1117	1123	1135	N19	W02	.439	15823	18.3	18	-F	C	1123	30	.3	Y5	
356 HTPR	18	1120	1122	1130	S12	W77	.970	15813	12.7	10	-F	C	1122	50		E Y5	
357 HTPR	18	1123	1124	1133	N13	E17	.440	15830	19.7	10	-F	C	1124	20	.2	Y5	
358 HTPR	18	1126	1130	1140	N17	W15	.472	15823	17.4	14	-F	* C	1130	30	.3	Y5	
GRP72359	18	1200>9	1215	1244	N15	W09	.402	15823	17.8	44	-F						
			1223														
CATA	18	1200E	1215	1245D	N14	W05	.367	15823	18.1	45D	-N	2 P	1215	168	1.8		
HTPR	18	1214	1223	1242	N17	W14	.464	15823	17.5	28	-F	C	1223	20	.2		
360 HTPR	18	1306	1320	1440	N21	W13	.511	15823	17.6	94	-N	C	1320	60	.6	EK Y5	
361 HTPR	18	1357	1359	1402	N15	E17	.464	15830	19.9	5	-F	C	1359	20	.2	Y5	
362 HTPR	18	1442	1450	1507	N18	E15	.485	15830	19.7	25	-N	C	1450	80	.8	E Y5	
363 HTPR	18	1511	1557	1607	N18	E11	.457	15830	19.5	56	-F	C	1557	30	.3	Y5	
364 HOLL	18	1527	1543	1553	N01	W04	.154	15828	18.3	23	-N	3 C		49		Y5	
GRP72365	18	1538+0	1539+4	1618	N18	W13	.470	15823	17.7	40	-N			150	1.7	K	
HOLL	18	1538	1539	1623	N17	W12	.450	15823	17.8	45	-B	3 C		130		F	
HTPR	18	1538	1543	1612	N19	W15	.498	15823	17.5	34	-N	C	1543	180	1.9	EK	
GRP72366	18	1615+5	1629	1656D	N15	E19	.484	15830	20.1	41	1B					U	
			1639+4														
HOLL	18	1615	1642	1800	N16	E16	.468	15830	19.9	105	2B	3 C		576		U F	
HOLL	18	1615	1629	1800	N16	E16	.468	15830	19.9	105	1B	3 C		330		U F	
HTPR	18	1616		1619D	N13	E18	.451	15830	20.0	30	-F	C	1619	50	.5	EF	
BIGB	18	1620	1639U	1655	N10	E20	.441	15830	20.2	35	-N	1 C	1639	180	2.0		
MCMA	18	1625E		1647D	N12	E20	.461	15830	20.2	22D	1B	C	1630	200	2.3	E	
BIGB	18	1639	1643	1656	N19	E19	.530	15830	20.1	17	-N	1 C	1643	60	.6		
MCMA	18	1641	1642	1647D	N19	E20	.538	15830	20.2	60	-N	C	1642	110	1.3	E	
GRP72367	18	1628+8	1638+4	1704D	N17	W14	.464	15823	17.6	36	1B			240	2.7	UX	
			1651														
MCMA	18	1628	1642	1647D	N18	W16	.493	15823	17.5	19D	1B	C	1642	200	2.4	EX	
BIGB	18	1636	1642	1704	N17	W14	.464	15823	17.6	28	19	1 C	1642	230	2.4		
HOLL	18	1636	1651	1809	N17	W13	.457	15823	17.7	93	2B	3 C		494		U F	
HOLL	18	1636	1638	1809	N17	W13	.457	15823	17.7	93	1B	3 C		290		U F	
368 HOLL	18	1652	1705	1731	N06	W17	.364	15836	17.4	39	-B	3 C		50		F Y5	
GRP72369	18	1707	1732	1750	N18	W17	.501	15823	17.4	43	1N			200	2.3	E	
BIGB	18	1707	1732	1747	N18	W16	.493	15823	17.5	40	1N	* C	1732	240	2.7		
HUAN	18	1728E		1753	N18	W18	.509	15823	17.4	25D	1N	* P	1731	170	2.0	E	
370 HUAN	18	1806	1810	1814	S13	W87	.997	15813	12.2	8	-F	C	1810	20		D Y5	
GRP72371	18	1831+6	1840	1855	N17	E13	.457	15830	19.7	24	-N						
			1847														
HOLL	18	1831	1840	1856	N16	E15	.459	15830	19.9	25	-B	3 C		43		F	
BIGB	18	1837	1847	1854	N18	E11	.457	15830	19.6	17	-N	1 C	1847	50	.5	E	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCWATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA	CORR AREA		
					LAT.	MER. DIST.												MIH of Disk
GRP72372	18	1838+4	1842 1852	1901	N17	W15	.472	15823	17.7	23	-N							F
BIGB	18	1838	1852	1906	N18	W15	.485	15823	17.7	28	-N	3	C	1852	40	.4		
HOLL	18	1842	1842	1856	N17	W16	.480	15823	17.6	14	-B	3	C		30			F
373 HOLL	18	1900	1904	1913	N16	E14	.451	15830	19.8	13	-B	3	C		25			F Y5
GRP72374	18	1928+0	1929 1956	2048	N17	E12	.450	15830	19.7	80	-N							
BIGB	18	1928	2015	2052	N18	E10	.451	15830	19.6	84	-N	3	P	2015	160	1.7		
HOLL	18	1928	1929	1937	N16	E14	.451	15830	19.9	9	-N	3	C		44			F
HOLL	18	1947	1956	2044	N16	E14	.451	15830	19.9	57	-B	3	C		108			FOE
GRP72375	18	1954+0	1954+3	2007	N17	W16	.480	15823	17.6	13	-N				40	.5		F
HOLL	18	1954	1954	2006	N17	W16	.480	15823	17.6	12	-B	3	C		29			F
BIGB	18	1954	1957	2007	N18	W17	.501	15823	17.6	13	-N	3	C	1957	50	.5		
376 CULG	18	2045E	2047U	2051D	S13	W85	.994	15813	12.5	60	?F		P	2047	80			Y5
IMP.1 NO : BIGB				HOLL														
GRP72377	18	2055+1	2057 2117+5	2124	N16	E13	.443	15830	19.8	29	-N				35	.4		
BIGB	18	2055	2122	2158	N17	E18	.497	15830	20.2	63	-N	*	C	2122	50	.8		B
HOLL	18	2056	2057	2105	N16	E13	.443	15830	19.8	9	-B	*	C		29			F
BIGB	18	2115	2117	2123	N15	E15	.446	15830	20.0	8	-N	*	C	2117	50	.5		
HUAN	18	2117	2117	2121	N15	E13	.430	15830	19.9	4	-N	*	C	2117	15	.2		D
HOLL	18	2119	2122	2124	N16	E13	.443	15830	19.9	5	-B	*	C		22			F
378 BIGB	18	2103	2112	2131	S15	E50	.762	15834	22.6	28	-N	3	C	2112	40	.4		E Y5
GRP72379	18	2114+1	2122	2142	N17	W17	.489	15823	17.6	28	-N				70	.8		U
HUAN	18	2114		2123D	N18	W18	.509	15823	17.5	9D	-N		P	2123	45	.5		E
HOLL	18	2115	2122	2142	N17	W17	.489	15823	17.6	27	-B	3	C		94			U F
380 BIGB	18	2132	2137	2139	N17	E08	.426	15830	19.5	7	-N	*	C	2137	10	.7		D Y5
381 HOLL	18	2143	2145	2146	N16	E13	.443	15830	19.9	3	-N	*	C		20			Y5
GRP72382	18	2156+0	2156 2209+0	2243	N17	E11	.443	15830	19.7	47	-B				180	2.0		FU
BIGB	18	2156	2209	2241	N18	E10	.451	15830	19.7	45	1N	*	C	2209	180	2.2		
HOLL	18	2156	2156	2201	N16	E13	.443	15830	19.9	5	-B	*	C		35			
HOLL	18	2205	2209	2244	N16	E13	.443	15830	19.9	39	-B	*	C		185			U F
GRP72383	18	2203+3	2210+6	2246	N18	W20	.527	15823	17.4	43	1N				220	2.6		U
BIGB	18	2203	2210	2245U	N18	W21	.536	15823	17.3	42D	1N	3	C	2210	250	4.7		E
HOLL	18	2206	2211	2246	N17	W18	.497	15823	17.6	40	1B	3	C		232			U F
HOLL	18	2206	2216	2246	N17	W18	.497	15823	17.6	40	-B	3	C		189			U F
CULG	18	2225E		2225D	N20	W20	.550	15823	17.4		1N		P	2225	190	2.3		
GRP72384	18	2324+9	2339+3 2349+5	0012	N18	W19	.518	15823	17.5	48	-N							EJUZ
BIGB	18	2324	2342	0001	N18	W19	.518	15823	17.6	37	-N	3	C	2342	80	.8		
HOLL	18	2329	2339	0013	N17	W18	.497	15823	17.6	44	-B	3	C		97			U F
VORO	18	2330	2339	0017	N18	W20	.527	15823	17.5	47	1N	C	C	2339	242	2.8		EJ
MANI	18	2335	2339	0006D	N19	W20	.538	15823	17.5	31D	1B	3	V		200			F
MITK	18	2336E		2344D	N18	W19	.518	15823	17.6	8D	-B		P	2340				EZ
CULG	18	2338E	2349	2353D	N19	W18	.521	15823	17.6	15D	-N		P	2349	100	1.2		
BIGB	18	2352	2354	2358	N16	W18	.486	15823	17.6	6	-N	1	C	2354	10	.2		D
MITK	18	2356E		0016	N18	W19	.518	15823	17.6	20D	-N		C	2404				EZ
GRP72385	18	2342+1	2348+5 2413	0036	N18	E12	.463	15830	19.9	54	-N				100	1.1		HJKU
BIGB	18	2342	2353	2353D	N17	E14	.464	15830	20.0	11D	-N	1	C	2353	70	.7		
VORO	18	2342	2413	0047	N18	E11	.457	15830	19.8	65	2F	C	C	2413	466	5.3		EHJK
HOLL	18	2343	2348	0018D	N16	E12	.436	15830	19.9	35D	-B	2	C		131			U F
CULG	18	2349E	2353D	2353D	N19	E11	.471	15830	19.8	4C	-N	P	C	2353	100	1.1		
MANI	18	2350	2350	0006D	N18	E10	.451	15830	19.7	16D	-B	3	V		120			F
MITK	18	2356E		0024	N18	E13	.470	15830	20.0	28D	-N		C	2359				E
386 VORO	19	0026	0028	0032	N18	W18	.510	15823	17.7	6	-N		C	0028	90	1.0		D Y5
387 VORO	19	0044	0045	0050	N08	W24	.473	15836	17.2	6	-N		C	0045	81	.9		D Y5
388 VORO	19	0047	0056	0120	N16	W20	.505	15823	17.5	33	-B		C	0056	134	1.5		EH Y5
389 VORO	19	0115	0118	0122	N18	E08	.441	15830	19.7	7	-N		P	0118	152	1.7		ED Y5

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH FLARE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR. AREA Sq. Deg.	
					LAT.	MER. DIST.											
390 VORO	19	0252	0254	0257	N18	W20	.528	15823	17.6	5	-F	C	0254	90	1.0	Y5	
391 CULG	19	0323	0326	0333	N18	W22	.546	15823	17.5	10	-F	C	0326	40	.5	Y5	
GRP72392	19	0352	0357	0404	N18	W21	.537	15823	17.6	12	-N			70	.8	F	
CULG	19	0352	0357	0404	N18	W21	.537	15823	17.6	12	-N	C	0357	50	.6		
HANI	19	0357E	0357U	0357D	N19	W21	.548	15823	17.6		-B	2 V		100		F	
GRP72393	19	0633	0639	0650	N17	W22	.535	15823	17.6	17	-F					FJZ	
ABST	19	0633	0639	0646	N16	W23	.535	15823	17.5	13	-F	C	0639	113	1.4	FJ	
ABST	19	0638	0639	0650	N19	W21	.548	15823	17.7	12	-F	C	0639	87	1.1	DJZ	
GRP72394	19	0757	0821+4	0836	N17	W21	.526	15823	17.8	39	1N			180	2.1	EJKZ	
HTPR	19	0757	0822	0835	N18	W24	.565	15823	17.5	38	-N	C	0822	150	1.6	EK	
ABST	19	0821E	0821	0836D	N17	W22	.535	15823	17.7	15D	1N	P	0821	210	2.6	EJZ	
ABST	19	0821E	0825	0833	N16	W15	.460	15823	18.2	12D	-F	P	0825	96	1.1	D	
GRP72395	19	0840+3	0844+1	0850	N16	E02	.392	15830	19.5	10	-F					D	
ABST	19	0840	0844	0852	N16	E02	.392	15830	19.5	12	-F	C	0844	87	1.0	D	
HTPR	19	0843	0845	0848	N17	E02	.408	15830	19.5	5	-F	C	0845	20	.2		
396 HTPR	19	0928E		0933D	N18	E04	.427	15830	19.7	5D	-F	C	0931	50	.5	EF	Y5
	19	1025	1145	NO FLARE PATROL													
	19	1155	1205	NO FLARE PATROL													
	19	1245	1333	NO FLARE PATROL													
GRP72397	19	1500>9	1526+1	1649	N19	W27	.604	15823	17.6	109	1B			220	2.7	UV	
			1533+1														
MCMA	19	1500	1533	1720D	N19	W28	.614	15823	17.5	140D	1B	C	1533	200	2.7	EV	
HOLL	19	1524	1534	1637	N17	W27	.586	15823	17.6	73	1B	2 C		235		U F	
HOLL	19	1524	1526	1637	N17	W27	.586	15823	17.6	73	-B	2 C		117		U F	
RAMY	19	1525E	1527	1649	N19	W25	.585	15823	17.5	84D	1B	3 C		230		FDE	
398 RAMY	19	1602	1603	1609	N15	E03	.378	15830	19.9	7	-B	3 C		58		Y5	
399 RAMY	19	1634	1636	1659	N15	E03	.378	15830	19.9	25	-N	2 C		22		Y5	
GRP72400	19	1755>9	1814+0	1906	N16	E02	.392	15830	19.9	71	2B			480	5.2	FILW	
			1820														
RAMY	19	1755	1814	1854	N15	E02	.376	15830	19.9	59	1B	3 C		491		F	
MCMA	19	1758	1820	1959D	N20	E02	.455	15830	19.9	121D	2B	C	1820	500	5.6	FILW	
HOLL	19	1805	1814	1906	N16	E02	.392	15830	19.9	61	1B	3 C		466		U F	
GRP72401	19	1959+3	2004+2	2046	N16	E01	.391	15830	19.9	47	-B			70	.8		
MCMA	19	1959	2006	2014D	N20	E04	.458	15830	20.1	15D	-N	C	2006	80	.9	E	
HOLL	19	2002	2004	2046	N16	E01	.391	15830	19.9	44	-B	3 C		65		FDE	
RAMY	19	2018E	2018U	2035D	N15	E01	.375	15830	19.9	17D	-B	2 C		51		F	
GRP72402	19	2026+7	2034+1	2054	S17	E40	.647	15834	22.9	28	-B			80	1.1	F	
HOLL	19	2026	2034	2054	S16	E40	.645	15834	22.9	28	-B	3 C		119		F	
CULG	19	2028E	2029U	2029D	S17	E37	.608	15834	22.6	1D	-N	P	2029	80	1.0		
RAMY	19	2033	2035	2035D	S17	E42	.672	15834	23.0	2D	-B	2 C		29			
403 CULG	19	2121E	2121U	2256	N04	W20	.387	15828	18.4	95D	PN	P	2121	200	2.2	U	Y5
		IMP.1	NO	HOLL													
404 HOLL	19	2138	2140	2144	N16	E00	.390	15830	19.9	6	-B	3 C		31		F	Y5
GRP72405	19	2201+6	2203	2220	N17	W04	.412	15830	19.6	19	-N					FK	
			2211														
CULG	19	2201	2203	2219	N18	W08	.441	15830	19.3	18	-F	C	2203	40	.4	FK	
HOLL	19	2207	2211	2220	N16	W01	.391	15830	19.3	13	-B	3 C		22			
GRP72406	19	2221+0	2225	2240	N16	W06	.403	15830	19.5	19	-B			130	1.4	H	
HOLL	19	2221	2225	2240	N16	W01	.391	15830	19.9	19	-B	3 C		145		DE H	
CULG	19	2221	2224	2224D	N16	W11	.429	15830	19.1	3D	-B	P	2224	120	1.3		
	19	2305	2320	NO FLARE PATROL													
GRP72407	19	2329>9	2339	0019	N17	W13	.457	15830	19.0	5D	-N					FU	
			2349														
HOLL	19	2329	2339	0013	N17	W18	.498	15830	18.6	44	-B	3 C		97		U F	
CULG	19	2340	2349U	0025	N18	W08	.441	15830	19.4	45	-F	C	2349	60	.7		
408 HOLL	19	2343	2343	0018D	N16	E12	.436	15830	20.9	35D	-B	2 C		131		U F	Y5

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg.		
					LAT.	MER. DIST												
	19	2354	0016		NO FLARE PATROL													
	19	0511	0514		NO FLARE PATROL													
	19	0541	0559		NO FLARE PATROL													
	19	0925	0928		NO FLARE PATROL													
	19	0933	1020		NO FLARE PATROL													
409	CULG	20	0239E	0241	0258	N18	E03	.426	15830	20.3	190	-N	P	0241	60	.7	Y5	
410	CULG	20	0339	0505	0512	N20	W35	.692	15823	17.5	93	-F	C	0505	50	.7	K Y5	
411	CULG	20	0431	0449	0535	N13	W24	.517	15823	18.4	64	?F	C	0449	250	2.7	FIG Y5	
			IMP.1	NO														
GRP72412		20	0435>9	0451+3	0524	N18	W06	.434	15830	19.7	49	1F			190	2.1		
	CULG	20	0435	0454	0532	N19	W05	.446	15830	19.8	57	1F	C	0454	190	2.1	F	
	MITK	20	0447	0451	0515	N18	W07	.438	15830	19.7	28	1F	C	0451	190	2.2	E	
413	CULG	20	0526	0529	0537	N11	W41	.702	15836	17.2	11	-N	C	0529	10	.1	Y5	
414	CULG	20	0620	0624	0630	N11	E01	.310	15830	20.3	10	-F	C	0624	20	.2	Y5	
415	CULG	20	0715	0717	0719D	N11	W43	.725	15836	17.1	40	-N	P	0717	20	.3	Y5	
GRP72416		20	0745E	0746	0808	N18	W12	.464	15830	19.4	23	-B			170	1.9	F	
	CULG	20	0745E	0746U	0810	N20	W10	.481	15830	19.6	250	-N	P	0746	140	1.6	F	
	CATA	20	0750E	0750	0805	N16	W15	.460	15830	19.2	150	19	2	P	0750	196	2.2	
		20	1019	1035		NO FLARE PATROL												
417	KHAR	20	1035E	1058	1115D	N17	W17	.490	15830	19.2	400	?B	P	1052	210	2.5	HT Y5	
			IMP.1	NO														
418	KHAR	20	1125E	1126	1153D	N17	W17	.490	15830	19.2	280	?N	P	1125			ET Y5	
			IMP.1	NO														
419	RAMY	20	1214	1217	1220	N20	W39	.730	15823	17.6	6	-N	3	C	20		Y5	
420	RAMY	20	1230	1232	1235D	N17	W17	.490	15830	19.2	50	-B	3	V	58		Y5	
421	RAMY	20	1246	1247	1251	N17	W16	.481	15830	19.3	5	-B	3	C	44		F Y5	
422	RAMY	20	1257	1302	1305	N17	W12	.451	15830	19.6	8	-B	3	C	34		F Y5	
423	RAMY	20	1319	1322	1323D	N17	W12	.451	15830	19.7	40	-B	3	V	57		F Y5	
424	RAMY	20	1344	1344	1405	N21	E27	.623	15837	22.6	21	-B	3	C	25		F Y5	
GRP72425		20	1349	1351	1510	N19	W40	.734	15823	17.6	81	-B					L	
	RAMY	20	1349	1351	1416D	N20	W39	.730	15823	17.7	270	-N	3	V	57		F	
	MCMA	20	1350E		1510	N19	W41	.744	15823	17.5	800	19	P	1439	150	2.3	EL	
GRP72426		20	1604+6	1615+3	1715	N16	W12	.437	15830	19.8	71	18			240	2.6	EL	
				1649+0														
	HOLL	20	1604	1618	1714	N16	W10	.423	15830	19.9	70	13	3	C	223		FDE	
	HOLL	20	1604	1649	1714	N16	W10	.423	15830	19.9	70	13	3	C	305		FDE	
	MCMA	20	1610	1615	1705	N15	W04	.380	15830	20.4	55	18	C	1615	180	2.0	E	
	MCMA	20	1644	1649	1705	N16	W20	.505	15830	19.2	21	13	C	1649	170	2.0	DL	
	MCMA	20	1708	1710	1715	N16	W20	.505	15830	19.2	7	-N	C	1710	30	.4	D	
427	HOLL	20	1638	1650	1659	N17	W41	.733	15823	17.6	21	-B	3	C	33		F Y5	
428	HOLL	20	1643	1643	1647	N22	W77	.987	15825	14.9	4	-N	3	C			F Y5	
429	MCMA	20	1716	1721	1746	N20	W16	.519	15830	19.5	30	-N	C	1721	25	.3	D Y5	
GRP72430		20	1721+8	1737	1845	N03	W32	.552	15828	18.3	84	18			270	3.2	EU	
				1744+2														
	MCMA	20	1721	1746	1845	N03	W32	.552	15828	18.3	84	13	C	1746	220	2.7	EU	
	RAMY	20	1724	1744	1903D	N01	W33	.558	15828	18.3	990	23	3	C	595		U	
	HOLL	20	1729	1737	1833	N03	W32	.552	15828	18.3	64	18	3	C	275		U	
	HUAN	20	1735E		1739D	N03	W33	.565	15828	18.3	40	1N	P	1739	270	3.3	E	

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MAGNITUDE REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA M/lt of Disk	CORR AREA Sq Deg	
					LAT.	MER. DIST.											
GRP72431	20	1745>9	1756 1802+6	1932D	N17	W20	.517	15830	19.2	107	13			340	3.9	FILU	
MCMA	20	1745	1803	2010D	N20	W25	.595	15830	18.9	1450	29	C	1808	600	8.0	IL	
RAMY	20	1750	1756	1757	N17	W11	.444	15830	19.9	7	-9	3	C	29		F	
RAMY	20	1759	1802	1803D	N17	W11	.444	15830	19.9	40	18	3	V	281		F	
RAMY	20	1759	1804	1903D	N16	W20	.505	15830	19.2	640	18	3	C	353		U F	
HOLL	20	1800E	1804	1932	N16	W20	.505	15830	19.3	920	18	3	C	336		U F	
HUAN	20	1833E		1929D	N20	W27	.614	15830	18.7	560	1N		P	1843	320	4.2	E
HUAN	20	1850		1859D	N15	W23	.525	15830	19.1	90	-N		P	1854	30	.3	
432 HOLL	20	1802	1804	1810	N17	W42	.743	15823	17.6	8	-N	3	C	19		Y5	
GRP72433	20	2003+4	2009+1	2013	N16	W18	.486	15830	19.5	10	-N			35	.4	DU	
MCMA	20	2003	2009	2010D	N16	W22	.525	15830	19.2	7D	-N		C	2009	35	.4	D
HOLL	20	2007	2010	2013	N16	W15	.460	15830	19.7	6	-B	3	C	32		UDE	
	20	2015	2041	NO FLARE PATROL													
	20	2106	2115	NO FLARE PATROL													
434 CULG	20	2115	2124	2143	N20	W20	.551	15830	19.4	28	1N		C	2124	260	3.1	Y5
435 CULG	20	2138	2233	2311	N20	W45	.786	15823	17.5	93	1N		C	2233	230	3.7	FL Y5
	20	2209	2228	NO FLARE PATROL													
	20	0222	0229	NO FLARE PATROL													
	20	0235	0236	NO FLARE PATROL													
	20	0442	0443	NO FLARE PATROL													
	20	0925	0930	NO FLARE PATROL													
	20	0935	1002	NO FLARE PATROL													
436 CULG	20	2228E	2228E	2255U	N20	W16	.519	15830	19.7	270	-F		P	2228	170	1.9	F Y5
GRP72437	20	2259>9	2350+1	2354D	N17	W21	.526	15830	19.4	55	-N			150	1.7	K	
CULG	20	2259	2351	0036U	N17	W23	.546	15830	19.2	970	-N		C	2351	160	1.9	K
HANI	20	2348	2350	2354	N18	W20	.528	15830	19.5	6	-N	3	V	150	1.8		
GRP72438	21	0039+6	0049+0	0124	N17	W23	.546	15830	19.3	45	-F						E
CULG	21	0039	0049	0131U	N18	W22	.547	15830	19.4	520	-F		C	0049	70	.8	T
HITK	21	0045	0049	0117	N17	W24	.556	15830	19.2	32	-F		C	0049			E
439 CULG	21	0130	0137	0155	N16	W16	.469	15830	19.9	25	-F		C	0137	50	.6	Y5
440 CULG	21	0143	0148	0159	N13	W50	.804	15836	17.3	16	-F		C	0148	60	1.1	Y5
GRP72441	21	0217>9	0237+4	0253D	N18	W22	.547	15830	19.4	36	-F						D
CULG	21	0217U	0241U	0346U	N18	W22	.547	15830	19.4	890	-F		C	0241	80	1.0	T
HITK	21	0228	0237	0253	N19	W22	.558	15830	19.5	25	-F		C	0237			D
442 CULG	21	0235	0239	0257	N14	W10	.395	15830	20.4	22	-F		C	0239	10	.1	Y5
443 CULG	21	0433	0445	0510	N10	W50	.795	15836	17.4	37	-F		C	0445	60	1.1	Y5
444 CULG	21	0609	0623	0653	S16	W39	.632	15827	18.3	44	-F		C	0623	40	.5	Y5
445 CULG	21	0719E	0738	0748	N25	E30	.686	15837	23.6	290	-F		C	0738	40	.6	Y5
446 CULG	21	0727	0740	0754	N18	W18	.511	15830	20.0	27	-N		C	0740	70	.8	F Y5
447 KHAR	21	0900E		0915D	N24	E18	.583	15837	22.7	150	-F		P	0904	65	.8	D Y5
GRP72448	21	0931+1	0934	0939D	N16	W30	.610	15830	19.1	8	-N						EH
KHAR	21	0931E		1032D	N17	W29	.608	15830	19.2	610	1N		P	0937	220	2.9	HT
HTPR	21	0932	0934	0939	N16	W31	.621	15830	19.1	7	-F		C	0934	60	.7	E
449 KHAR	21	1040E		1048D	N18	W28	.606	15830	19.3	80	-F		V	1040			EHT Y5
450 KHAR	21	1057E	1059	1102D	N17	W30	.618	15830	19.2	50	-F		V	1050			HT Y5
GRP72451	21	1107+0	1108+0	1111	N16	W31	.621	15830	19.1	4	-N						DH
KHAR	21	1107E	1108	1111D	N16	W31	.621	15830	19.1	40	-N		P	1108			DHT
HTPR	21	1107	1108	1110	N16	W32	.632	15830	19.1	3	-N		C	1108	70	.8	
GRP72452	21	1115+3	1127	1155	N17	W29	.608	15830	19.3	40	-N						EH
KHAR	21	1115E		1205D	N18	W28	.606	15830	19.4	500	1N		P	1124	250	3.1	EHT
HTPR	21	1118	1127	1144	N17	W30	.618	15830	19.2	26	-F		C	1127	50	.6	E
453 HTPR	21	1205	1217	1220	S27	W06	.354	15832	21.1	15	-F		C	1217	20	.2	E Y5

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS AREA	CORR AREA	
					LAT.	WER. DIST											
454 ZURI	21	1257	1259	1305	N15	W32	.624	15830	19.1	8	-N	C	1259	120	1.6	Y5	
GRP72455	21	1333+1	1335+0	1343	N16	W32	.632	15830	19.2	10	-N						
HTPR	21	1333	1335	1342	N16	W33	.642	15830	19.1	9	-N	C	1335	35	.4		
RAMY	21	1334	1335	1344	N17	W31	.629	15830	19.2	10	-B	3 C		30	.3		
GRP72456	21	1414	1419+2	1440	N17	W28	.597	15830	19.5	26	-B						
HTPR	21	1414	1419	1440	N18	W28	.606	15830	19.5	26	-B	C	1419	140	1.6	U	
RAMY	21	1418E	1421U	1429D	N17	W28	.597	15830	19.5	110	1B	3 V		311		E	
457 RAMY	21	1442	1443	1454	N17	W32	.639	15830	19.2	12	-B	3 C		25		U F	
GRP72458	21	1537+0	1538+3	1545	N16	W34	.653	15830	19.1	8	-F			25	.3		
HUAN	21	1537	1541	1547	N16	W34	.653	15830	19.1	10	-N	C	1541	30	.4		
HTPR	21	1537	1538	1543	N16	W34	.653	15830	19.1	6	-F	C	1539	20	.2		
GRP72459	21	1555+1	1557+2	1607	N16	W34	.653	15830	19.1	12	-N			70	.9	E	
RAMY	21	1555E	1557	1613	N17	W32	.639	15830	19.3	180	-B	3 C		60			
HTPR	21	1555	1558	1606	N16	W34	.653	15830	19.1	11	-N	C	1558	70	.8		
HUAN	21	1556	1559	1607	N15	W34	.646	15830	19.1	11	-N	C	1559	80	1.0	E	
GRP72460	21	1627	1629	1651	N18	W34	.667	15830	19.1	24	-B					F	
			1634														
RAMY	21	1627	1634	1651	N18	W34	.667	15830	19.1	24	-B	3 C		111		F	
RAMY	21	1627	1629	1651	N18	W34	.667	15830	19.1	24	-B	3 C		68		F	
	21	1713	1722	NO FLARE PATROL													
461 RAMY	21	1723	1726	1732D	N15	W30	.602	15830	19.5	90	-B	3 C		34		Y5	
	21	1732	1801	NO FLARE PATROL													
462 HUAN	21	1813		1827D	N15	W34	.646	15830	19.2	140	-N	C	1815	55	.7	Y5	
	21	1827	1853	NO FLARE PATROL													
463 RAMY	21	1853E	1905	1910D	N15	W30	.602	15830	19.5	170	-B	3 C		41		Y5	
	21	1910	1920	NO FLARE PATROL													
GRP72464	21	1939	1953	2129	N16	W30	.610	15830	19.6	110	-B					F	
RAMY	21	1939	1953	2128	N15	W31	.613	15830	19.5	109	-B	3 C		126		F	
CULG	21	2042E	2042E	2129U	N18	W30	.626	15830	19.6	470	1N	P	2042	320	4.2	FT	
GRP72465	21	2049+3	2053+0	2110	S20	W48	.746	15839	18.3	21	-F			40	.6		
CULG	21	2049	2053	2107	S20	W48	.746	15839	18.3	18	-F	C	2053	50	.8		
RAMY	21	2052	2053	2112	S21	W49	.758	15839	18.2	20	-N	3 C		28			
GRP72466	21	2113	2126+0	2132D	N04	W48	.757	15828	18.3	19	-F			30	.5		
RAMY	21	2113	2126	2132	N01	W48	.750	15828	18.3	19	-N	3 C		16			
CULG	21	2117E	2126	2234	N07	W48	.765	15828	18.3	770	-F	C	2126	40	.6		
	21	2115	2117	NO FLARE PATROL													
467 CULG	21	2151	2152	2203	N18	W34	.667	15830	19.4	12	-N	C	2152	40	.5	T Y5	
468 CULG	21	2202	2207	2214	N21	W56	.880	15823	17.7	12	-F	C	2207	20	.4	Y5	
469 CULG	21	2304	2309	2320	N17	W36	.681	15830	19.3	16	-N	C	2309	30	.4	T Y5	
	21	2342	2345	NO FLARE PATROL													
470 MANI	22	0005E	0005U	0011	N17	W34	.661	15830	19.5	60	1B	3 C		250		Z Y5	
GRP72471	22	0124+1	0126+4	0135	N16	W36	.675	15830	19.4	11	-B					DZ	
MITK	22	0124	0126	0135	N16	W37	.686	15830	19.3	11	-B	C	0126			D	
MANI	22	0125	0130	0135	N17	W35	.671	15830	19.4	10	1B	3 C		200		Z	
472 CULG	22	0301	0311	0332	N20	W30	.643	15830	19.9	31	-F	C	0311	20	.3	Y5	
473 CULG	22	0356	0359	0409	N23	E07	.513	15837	22.7	13	-F	C	0359	40	.5	Y5	
474 CULG	22	0419	0422	0428	N18	W35	.678	15830	19.6	9	-F	C	0422	20	.3	Y5	
475 CULG	22	0437	0441	0457	N18	W38	.709	15830	19.3	20	-F	C	0441	60	.8	Y5	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk		CORR. AREA Sq. Deg.
					LAT.	NER. DIST.											
GRP72476	22	0503+2	0507+3	0537	N18	W33	.657	15830	19.7	34	-B					UZ	
CULG	22	0503	0507	0546D	N20	W31	.653	15830	19.9	43D	-B	P	0507	110	1.4		
MANI	22	0505	0510	0527	N17	W36	.682	15830	19.5	22	1B	3	C	43G		Z U	
477 CULG	22	0531	0537	0544	S21	W51	.779	15839	18.4	13	-F		C	0537	20	.3	Y5
478 KANZ	22	0826	0826	0838	N17	W41	.733	15830	19.3	12	-F	2				Y5	
GRP72479	22	0910+5	0914+3	0947	N17	W40	.723	15830	19.4	37	-B			80	1.1		
KHAR	22	0910E		0930D	N17	W40	.723	15830	19.4	20D	1N	P	0913	160	2.5	ET	
KANZ	22	0912	0917	1017	N17	W39	.713	15830	19.5	65	-B	2				F	
HTPR	22	0913	0914	0923	N17	W43	.753	15830	19.2	10	-B	C	0914	80	1.1	E	
MANI	22	0915	0917	0921	N16	W40	.717	15830	19.4	6	-B	3	C	60		F	
KHAR	22	0939E		1010D	N18	W40	.729	15830	19.4	31D	-F	P	0949			T	
GRP72480	22	1012+1	1013+0	1020	N24	00	.516	15837	22.4	8	-F					E	
HTPR	22	1012	1013	1020	N25	W01	.531	15837	22.4	8	-F	C	1013	30	.3	E	
KANZ	22	1013	1013	1020	N24	E01	.516	15837	22.5	7	-F	2					
GRP72481	22	1119	1127	1257	N25	W48	.835	15823	18.9	98	2N					EU	
KANZ	22	1119	1127	1257	N25	W49	.843	15823	18.8	98	2N	3				U	
KHAR	22	1200E		1207D	N25	W48	.835	15823	18.9	70	2F	P	1207	400	7.7	BE	
GRP72482	22	1151	1151	1221	N16	W42	.738	15830	19.3	30	-B					E	
RAMY	22	1151	1151	1221	N15	W40	.712	15830	19.5	30	-B	2	C	44		F	
KHAR	22	1200E		1207D	N18	W44	.768	15830	19.2	7D	-F	P	1207	110	1.7	BET	
GRP72483	22	1214+6	1220+2	1238	N19	W65	.934	15823	17.6	24	-N					E	
RAMY	22	1214	1220	1242	N19	W65	.934	15823	17.6	28	-B	3	C	97			
KANZ	22	1218	1222	1238	N18	W64	.927	15823	17.7	20	-B	3					
HTPR	22	1220	1222	1228	N20	W68	.952	15823	17.4	8	-F	C	1222	30	.7	E	
GRP72484	22	1253+1	1255+2	1317	N17	W42	.743	15830	19.4	24	1B			180	2.6		
KANZ	22	1253	1257	1317	N17	W42	.743	15830	19.4	24	1N	*					
RAMY	22	1253	1255	1324	N15	W40	.712	15830	19.5	31	1B	* C		233			
HTPR	22	1254	1256	1259	N17	W45	.772	15830	19.2	5	-9	* C	1256	130	1.8		
GRP72485	22	1355	1358	1423	N15	W44	.753	15830	19.3	28	-N					E	
KANZ	22	1355	1358	1410	N15	W44	.753	15830	19.3	15	-N	2					
MCMA	22	1406E		1435	N16	W45	.768	15830	19.2	29D	-N	C	1406	50	.8	E	
486 MCMA	22	1526	1530	1555	N16	W45	.768	15830	19.3	29	-F	C	1530	40	.6	E	
487 MCMA	22	1534	1537	1550	N10	W72	.960	15836	17.2	16	-F	C	1537	30		E	
GRP72488	22	1556+2	1607+2	1633	N36	E43	.857	15840	25.9	37	-N			80	1.5	E	
MCMA	22	1556	1607	1633	N38	E44	.874	15840	26.0	37	-N	C	1607	50	1.0	E	
RAMY	22	1558	1609	1632	N35	E42	.846	15840	25.8	34	-B	3	C	114			
GRP72489	22	1622+3	1627+1	1647	N08	W72	.958	15836	17.3	25	-N			20		E	
MCMA	22	1622	1627	1645	N10	W72	.960	15836	17.3	23	-F	C	1627	20		E	
RAMY	22	1625	1628	1649	N07	W72	.957	15836	17.3	24	-B	3	C	16			
GRP72490	22	1631+2	1635+2	1722	N15	W44	.753	15830	19.4	51	-B			130	1.9	EHRX	
MCMA	22	1631	1635	1735	N16	W46	.778	15830	19.2	64	1B	C	1635	110	2.0	EHRX	
RAMY	22	1633	1637	1709	N15	W42	.733	15830	19.5	36	-B	3	C	164			
GRP72491	22	1710+3	1715+1	1736	N20	W68	.952	15823	17.6	26	-B			70		D	
MCMA	22	1710	1716	1735	N21	W70	.962	15823	17.5	25	1B	C	1716	50	2.0	D	
RAMY	22	1713	1715	1737	N19	W67	.945	15823	17.7	24	-B	3	C	86			
492 RAMY	22	1808	1810	1847	N15	W43	.743	15830	19.5	39	-B	3	C	104		FDE	
493 RAMY	22	1857	1859	1923	N15	W43	.743	15830	19.6	26	1B	3	C	198		FDE	
494 RAMY	22	1948	1948	2014	N19	W69	.955	15823	17.7	26	-N	3	C	11		Y5	
	22	1957	2003	NO FLARE PATROL													
	22	2021	2027	NO FLARE PATROL													
	22	2048	2049	NO FLARE PATROL													
	22	2051	2111	NO FLARE PATROL													
	22	2137	2144	NO FLARE PATROL													
495 CULG	22	2151	2152D	2152D	N22	W80	.994	15823	16.9	10	-F	P	2152	30		Y5	
	22	2152	2237	NO FLARE PATROL													

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS AREA Mill. of Disk		CORR AREA Sq. Deg.
					LAT	MER. DIST											
496 CULG	22	2246	2256	2309	N21	W75	.981	15823	17.3	23	-F	C	2256	30		Y5	
497 CULG	22	2306	2312	2326	N22	W41	.761	15830	19.9	20	-N	C	2312	90	1.4	Y5	
498 CULG	22	2354	2402	0017	N18	W37	.698	15830	20.2	23	-F	C	2402	60	.8	Y5	
GRP72499	23	0000+1	0007+1	0014D	N22	W73	.975	15823	17.5	14	-B			30		D	
CULG	23	0000	0008	0023	N22	W75	.981	15823	17.4	23	-N	C	0008	30			
VORO	23	0001	0007	0014	N20	W76	.983	15823	17.3	13	-B	C	0007	27		D	
CULG	23	0018	0029	0050	N25	W67	.954	15823	18.0	32	1F	C	0029	70			
GRP72500	23	0002+0	0006+0	0023	N17	W51	.828	15830	19.2	21	-N			110	1.9	DK	
CULG	23	0002	0006	0032	N18	W50	.823	15830	19.3	30	-N	* C	0006	80	1.4		
VORO	23	0002	0006	0013	N16	W52	.833	15830	19.1	11	1N	* C	0006	152	2.7	DK	
501 CULG	23	0033	0039	0051	N19	W50	.827	15830	19.3	18	-F	C	0039	60	1.0	Y5	
502 CULG	23	0040	0043	0055	S15	W61	.868	15827	18.5	15	-F	C	0043	30	.7	Y5	
GRP72503	23	0052+6	0101+2	0138	N17	W51	.828	15830	19.2	46	-N					EK	
CULG	23	0052	0103	0138	N19	W50	.827	15830	19.3	46	-F	C	0103	70	1.2	T	
VORO	23	0058	0101	0137	N16	W52	.833	15830	19.1	39	1N	C	0101	161	2.8	EK	
GRP72504	23	0109+2	0117+1	0132	N22	W42	.770	15830	19.9	23	1F			190	2.9	EH	
CULG	23	0109	0118	0136	N23	W42	.776	15830	19.9	27	1F	C	0118	180	2.9		
VORO	23	0111	0117	0128	N22	W43	.779	15830	19.8	17	1N	C	0117	197	3.1	EH	
505 VORO	23	0227	0229	0240	N16	W52	.833	15830	19.2	13	?B	C	0229	125	2.2	D	
		IMP.1 NO : CULG														Y5	
GRP72506	23	0426	0441	0554	N19	W47	.800	15830	19.7	88	-N					F	
			0542														
CULG	23	0426	0441	0524	N20	W43	.769	15830	20.0	58	-N	C	0441	110	1.8	F	
CULG	23	0518	0542	0554	N19	W52	.843	15830	19.3	36	-N	C	0542	80	1.5	T	
507 CULG	23	0558	0638	0720	N19	W53	.851	15830	19.3	82	-N	C	0638	80	1.5	KT	
508 CULG	23	0636	0638	0648	N21	W77	.986	15823	17.5	12	-N	C	0638	40		Y5	
509 MANI	23	0820E	0835	0846D	N17	W55	.861	15830	19.2	26D	-N	3 C		30		Y5	
510 KANZ	23	0929	0932	0936	N16	W56	.866	15830	19.2	7	-F	1				Y5	
	23	1020	1023	NO FLARE PATROL													
511 ABST	23	1038	1040	1046	N16	W55	.858	15830	19.3	8	-F	C	1040	96	1.8	E	
	23	1125	1145	NO FLARE PATROL													
GRP72512	23	1252+2	1252+6	1259	N15	W54	.847	15830	19.5	7	-N						
RAMY	23	1252	1252	1259	N16	W52	.833	15830	19.6	3	-B	3 C		18			
KANZ	23	1254	1258	1302	N15	W56	.864	15830	19.3	8	-F	1					
513 KANZ	23	1349	1403	1417	N16	W57	.874	15830	19.3	28	-N	2				Y5	
GRP72514	23	1451+1	1453+3	1506	N16	W53	.842	15830	19.6	15	1B			220	3.9	F	
KANZ	23	1451	1456	1506	N15	W56	.864	15830	19.4	15	1B	2					
HOLL	23	1452	1453	1502	N17	W53	.845	15830	19.6	10	1B	3 C		163		F	
HOLL	23	1452	1453	1502	N17	W48	.801	15830	20.0	10	-B	3 C		121		F	
RAMY	23	1454E	1454	1507	N16	W53	.842	15830	19.6	13D	1B	3 C		168			
GRP72515	23	1534+9	1621+0	1745	N16	W54	.850	15830	19.6	131	-B					EH	
			1630														
HOLL	23	1534	1621	1747	N17	W54	.853	15830	19.6	133	-B	3 C		139		FDE	
HOLL	23	1534	1630	1747	N17	W54	.853	15830	19.6	133	-N	3 C		95		FDE	
RAMY	23	1619	1621	1626	N16	W54	.850	15830	19.6	7	-B	3 C		29			
RAMY	23	1725	1735	1742	N16	W55	.858	15830	19.6	17	-B	3 C		97		DE H	
GRP72516	23	1805+9	1805	1851	N17	W55	.861	15830	19.6	46	1B			220	4.2		
			1930+0														
RAMY	23	1805	1805	1824	N16	W55	.858	15830	19.6	19	-N	3 C		35			
HOLL	23	1815	1830	1833D	N17	W54	.853	15830	19.7	18D	1B	3 C		157		F	
RAMY	23	1825	1830	1849	N16	W55	.858	15830	19.6	24	1B	3 C		278		DE	
PALE	23	1838E	1838U	1852	N18	W62	.914	15830	19.1	14D	1B	2 V		132		DE	

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION			CMP DAY	COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
GRP72517	23	1849+7	1920+1	1936D	N17	W59	.892	15830	19.4	47	-N		50	1.1			
RAMY	23	1849	1921	2017	N16	W56	.866	15830	19.6	88	-B	3 C	47				
PALE	23	1856	1920	1936	N18	W62	.914	15830	19.1	40	-N	2 C	64		DE		
	23	1900	1911	NO FLARE PATROL													
GRP72518	23	1938	1953+2	2103	N17	W58	.884	15830	19.5	85	-N		60	1.2	F		
			2041														
HOLL	23	1938	1953	2057	N17	W55	.661	15830	19.7	79	-B	3 C	80				
PALE	23	1945E	1955U	2118D	N18	W63	.921	15830	19.1	93D	-N	2 C	40		F		
RAMY	23	2032	2051	2056	N16	W56	.866	15830	19.7	24	-B	3 C	19				
CULG	23	2037	2041	2109	N18	W60	.901	15830	19.4	32	-F	C	2041	30			
519 CULG	23	2056	2059	2107	S17	W78	.972	15827	18.0	11	-F	C	2059	20	Y5		
	23	2247	0000	NO FLARE PATROL													
	23	0417	0426	NO FLARE PATROL													
GRP72520	24	0140	0146	0154	N17	W65	.931	15830	19.2	14	-N		60		D		
CULG	24	0140	0146	0155	N17	W64	.925	15830	19.3	15	-F	C	0146	60			
VORO	24	0146E		0152	N17	W66	.937	15830	19.1	60	-B	P	0146	72	D		
521 CULG	24	0302	0317	0346	N17	W65	.931	15830	19.3	44	-F	C	0317	60	Y5		
522 CULG	24	0629E	0630U	0656	S27	W46	.742	15832	20.8	27D	-F	P	0630	20	.2	Y5	
523 KHAR	24	1020E		1045D	N17	W90	1.001	15823	17.7	25D	-F	P	1025		HT	Y5	
GRP72524	24	1023+0	1029+2	1045	N16	W65	.929	15830	19.6	22	-F				E		
ZURI	24	1023	1029	1035	N15	W65	.928	15830	19.6	12	-N	C	1029	30			
KANZ	24	1023	1031	1050	N16	W64	.923	15830	19.6	27	-F	1					
KHAR	24	1028E		1045D	N18	W70	.959	15830	19.2	17D	-F	P	1032	75	E		
525 KHAR	24	1032E		1032D	S26	W47	.749	15832	20.9		-F	P	1032	65	.9	D	Y5
GRP72526	24	1105E		1108D	N19	W86	1.000	15823	18.0	3	-F						
KHAR	24	1105E		1108D	N22	W85	.999	15823	18.1	30	-F	P	1108	45	D		
KHAR	24	1105E		1108D	N17	W88	1.000	15823	17.9	30	-F	P			T		
GRP72527	24	1207+1	1207+2	1212	N16	W66	.935	15830	19.6	5	-B				D		
KANZ	24	1207	1207	1212	N17	W67	.942	15830	19.5	5	-B	2			D		
RAMY	24	1208	1209	1212	N16	W65	.929	15830	19.6	4	-B	3 C	17				
GRP72528	24	1233+2	1238+3	1302	N16	W67	.941	15830	19.5	29	-N						
KANZ	24	1233	1238	1302	N16	W69	.952	15830	19.3	29	-N	2					
RAMY	24	1235	1241	1301	N16	W65	.929	15830	19.6	26	-B	3 C	26				
GRP72529	24	1333+0	1333+0	1338	N16	W65	.929	15830	19.7	5	-F						
KANZ	24	1333	1333	1339	N17	W66	.937	15830	19.6	6	-F	2					
RAMY	24	1333	1333	1336	N16	W65	.929	15830	19.7	3	-N	3 C	20				
GRP72530	24	1339+2	1343+0	1347	S27	W48	.762	15832	21.0	8	-F				D		
KANZ	24	1339	1343	1347	S27	W47	.752	15832	21.0	8	-F	2					
HUAN	24	1341	1343	1347	S28	W50	.783	15832	20.8	6	-N	C	1343	20	.3	D	
GRP72531	24	1350+2	1353+1	1400	N17	W72	.966	15830	19.2	10	-N						
KANZ	24	1350	1354	1400	N17	W71	.962	15830	19.3	10	-B	2					
HUAN	24	1352	1353	1400	N18	W74	.975	15830	19.0	8	-N	C	1353	30			
GRP72532	24	1436+0	1437	1440	S19	E66	.907	15849	98.6	4	-F						
RAMY	24	1436	1437	1440	S21	E65	.900	15849	1.5	4	-N	3 C	24				
HUAN	24	1436		1440	S18	E68	.920	15849	1.7	4	-F	C					
GRP72533	24	1547+0	1547+2	1558	N16	W70	.956	15830	19.4	11	-B			30			
HUAN	24	1547	1549	1555	N18	W74	.975	15830	19.1	8	-N	C	1549	30			
RAMY	24	1547	1547	1558	N16	W70	.956	15830	19.4	11	-B	3 C	26				
HOLL	24	1547	1547	1558	N16	W60	.897	15830	20.2	11	-B	3 C	29				
GRP72534	24	1636+0	1637+1	1656	N17	W71	.962	15830	19.4	20	-N			30			
			1651														
RAMY	24	1636	1637	1656	N16	W68	.946	15830	19.6	20	-B	3 C	34				
HUAN	24	1636	1638	1642	N18	W75	.979	15830	19.1	6	-N	C	1638	25	D		
HUAN	24	1648	1651	1655	N18	W75	.979	15830	19.1	7	-N	C	1651	20	D		
GRP72535	24	1724+0	1726+1	1731	N17	W71	.962	15830	19.4	7	-N			35			
HUAN	24	1724	1727	1730	N18	W75	.979	15830	19.1	6	-N	C	1727	35			
RAMY	24	1724	1726	1731	N16	W68	.946	15830	19.6	7	-B	3 C	28				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA	CORR AREA		
					LAT.	MER. DIST.												MI of Disk
536 RAMY	24	1933	1934	1937	S20	N13	.309	15844	23.8	4	-N	3	C		21			Y5
GRP72537	24	2025+0	2026+0	2029	N17	W69	.953	15830	19.7	4	-B				20			D
HUAN	24	2025		2029	N18	W85	.999	15830	18.5	4	-N		C	2026	20			D
RAMY	24	2025	2026	2028	N16	W69	.952	15830	19.7	3	-B	*	C		23			
HOLL	24	2025	2026	2030	N17	W69	.953	15830	19.7	5	-B	*	C		28			
GRP72538	24	2029+1	2030+2	2040	S27	E12	.389	15838	25.8	11	-N				40	.4		F
HOLL	24	2029	2031	2043D	S25	E09	.339	15838	25.5	14D	-N	3	C		50			F
RAMY	24	2030	2030	2037	S28	E13	.410	15838	25.8	7	-N	3	C		28			F
HUAN	24	2030	2032	2040	S27	E12	.389	15838	25.8	10	-F		C	2032	40	.4		E
GRP72539	24	2058+2	2100	2120	N17	W72	.966	15830	19.5	22	-F							
			2110															
CULG	24	2058E	2100U	2115	N17	W75	.978	15830	19.2	17D	-F		P	2100	20			
HOLL	24	2100	2110	2124	N17	W69	.953	15830	19.7	24	-N	3	C		40			
GRP72540	24	2140	2140	2206	S26	E10	.361	15838	25.7	26	-N							F
HOLL	24	2140	2140	2157	S25	E09	.339	15838	25.6	17	-N	3	C		35			F
CULG	24	2149E	2149E	2214	S28	E12	.403	15838	25.8	25D	-F		P	2149	40	.4		
541 HOLL	24	2149	2150	2155	N11	E63	.908	15847	1.6	6	-N	3	C		20			Y5
542 CULG	24	2227	2250U	2257	N18	W77	.985	15830	19.2	30	-F		C	2250	30			Y5
GRP72543	24	2314E	2338	0108D	N20	W66	.942	15830	20.0	114	1F							
			2421															
MITK	24	2314E	2338	0108	N20	W64	.930	15830	20.2	114D	1F		C	2338	130			
CULG	24	2338U	2421U	0250U	N20	W68	.952	15830	19.9	192D	1F		C	2421	140			
544 CULG	24	2348	2353	0008	S27	E07	.358	15838	25.5	20	-F		C	2353	40	.4		Y5
545 CULG	25	0212	0223	0240	N07	E80	.988	15847	3.1	28	-F		C	0223	60			Y5
546 CULG	25	0223	0227	0241	S26	E06	.337	15838	25.5	18	-F		C	0227	40	.4		Y5
547 CULG	25	0318	0324U	0345	S25	E53	.805	15849	1.1	27	2F		P	0324	200	3.4		G Y5
		IMP.1	NO	MITK														
548 CULG	25	0604	0616	0625	N18	W83	.997	15830	19.0	21	-N		C	0616	30			Y5
GRP72549	25	0638	0652	0719D	S20	E60	.861	15849	98.8	41	1N				180	3.7		F
MITK	25	0638		0654D	S20	E63	.885	15849	2.0	16D	1N		P	0654	210	4.6		
HANI	25	0643E	0652	0719D	S20	E58	.844	15849	1.6	36D	1B	3	C		150			F
550 KANZ	25	0739E		0852	S19	E58	.843	15849	1.7	73D	1N	1						F Y5
551 KANZ	25	0845	0848	0852	N16	W76	.981	15830	19.7	7	-F	1						Y5
	25	1214	1226	NO FLARE PATROL														
	25	0935	0942	NO FLARE PATROL														
	25	0950	1032	NO FLARE PATROL														
GRP72552	25	1427+1	1427+2	1434	S25	E02	.308	15838	25.8	7	-N							
KANZ	25	1427	1427	1431D	S26	E04	.329	15838	25.9	4D	-F	1						
RAMY	25	1428	1429	1434	S25	E01	.307	15838	25.7	6	-B	3	C		68			
GRP72553	25	1438	1445	1452	N16	W82	.995	15830	19.5	14	-N							
RAMY	25	1438	1445	1453	N16	W78	.986	15830	19.8	15	-B	3	C					
HUAN	25	1445E		1451	N16	W87	1.000	15830	19.1	6D	-N		C	1445	30			C
554 HUAN	25	1612		1620	S33	W07	.449	15851	25.2	8	-F		C					Y5
GRP72555	25	2010+4	2014+1	2028	S16	W38	.618	15834	23.0	18	-F				20	.3		
			2024															
BIGB	25	2010	2015	2028	S17	W38	.621	15834	23.0	18	-N	*	C	2015	20	.2		
HOLL	25	2012	2024	2033	S14	W44	.691	15834	22.5	21	-N	3	C		33			F
RAMY	25	2014	2014	2018	S16	W37	.605	15834	23.1	4	-F	*	C		20			
HUAN	25	2014		2015D	S16	W38	.618	15834	23.0	1D	-F	*	P					E
556 PALE	25	2032	2032	2040	S33	W08	.452	15851	25.3	8	-F	3	C		30			DE F Y5
GRP72557	25	2047+3	2052+1	2102	S20	E52	.787	15849	98.8	15	-N				40	.7		
BIGB	25	2047	2053	2102	S20	E53	.797	15849	1.8	15	-N	2	C	2053	50	.6		
HOLL	25	2049	2052	2104	S21	E51	.779	15849	1.7	15	-N	3	C		36			
RAMY	25	2050	2053	2100	S20	E52	.787	15849	1.8	10	-N	3	C		23			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq. Deg		
					LAT.	MER. DIST.												
558 HOLL	25	2122	2129	2146	S20	W28	.500	15844	23.8	24	-N	3	C		37		F	Y5
GRP72559	25	2156>9	2209+4	2237	S21	E86	.994	15850	1.4	41	-N						F	
BIGB	25	2156	2213	2246	S21	E90	.999	15850	4.7	50	1N	2	C	2213	70		F	
HOLL	25	2206	2209	2228	S22	E83	.987	15850	4.1	22	-N	3	C				F	
560 BIGB	25	2223	2241	2254	N38	E08	.716	15840	26.5	31	-F	2	C	2241	30	.3		Y5
561 BIGB	25	2315	2317	2322	N40	W02	.734	15840	25.8	7	-F	3	C	2317	30	.3		Y5
GRP72562	26	0252+0	0252+2	0305	N17	W83	.997	15830	19.9	13	-N				20		F	
CULG	26	0252E	0252E	0312	N18	W87	1.003	15830	19.6	200	-N		P	0252	20		B	
PALE	26	0252	0254	0257	N17	W79	.989	15830	20.2	5	-N	3	C		23		F	
563 CULG	26	0307	0310	0318	S25	E77	.967	15850	3.9	11	-N		C	0310	40			Y5
564 CULG	26	0344	0352	0428	S32	W12	.458	15851	25.3	44	-N		C	0352	90	1.0		Y5
GRP72565	26	0544	0557	0640	S20	E48	.745	15849	98.8	56	-N						E	
CULG	26	0544	0557	0640	S20	E48	.745	15849	1.8	56	-N		C	0557	90	1.4		
ABST	26	0619E	0619	06210	S21	E48	.747	15849	1.9	20	1F		P	0619	166	2.6	E	
566 KAND	26	0814E		0838	N15	W90	1.001	15830	19.6	240	-N		C					Y5
567 KAND	26	0903		0918	S33	W15	.490	15851	25.3	15	-F		C		52			Y5
568 ISTA	26	0943E		0945	S24	E74	.954	15850	4.0	20	-F						D	Y5
569 KHAR	26	1014E		10310	N17	W90	1.001	15830	19.7	170	-F		P	1019			DHT	Y5
GRP72570	26	1045+1	1047+3	1056	S22	W25	.474	15838	24.6	11	-F				80	.9	E	
CATA	26	1045	1050	10500	S23	W25	.481	15838	24.6	50	-N	2	P	1050	84	.9		
ZURI	26	1045	1047	1053	S22	W26	.487	15838	24.5	8	-F		C	1047	100	1.2		
MONT	26	1046	1047	1058	S22	W25	.474	15838	24.6	12	-F		C	1047	50		E	
GRP72571	26	1050>9	1103+2	1122	S24	E69	.927	15850	.6	32	1F				130		D	
KHAR	26	1050E	1103	11300	S26	E72	.944	15850	3.9	400	1F		P	1110	130		D	
ZURI	26	1103	1105	1113	S23	E66	.907	15850	3.4	10	-F		C	1105	140			
GRP72572	26	1115+2	1116+6	1133	N16	W68	.946	15830	21.4	18	1N				110		DGH	
KHAR	26	1115E	1116	11370	N18	W68	.949	15830	21.4	220	1N		P	1118	140		DH	
ZURI	26	1117	1117	1133	N14	W68	.944	15830	21.4	16	1N		C	1117	90			
MONT	26	1117	1122	1129	N16	W69	.952	15830	21.3	12	-N		C	1122	110		G	
573 KHAR	26	1145E		12000	S26	E72	.944	15850	3.9	150	-F		P	1145			D	Y5
574 KHAR	26	1148E		11560	N17	W90	1.001	15830	19.7	80	-F		P	1148			HT	Y5
575 MONT	26	1227	1234	1253	S32	W15	.477	15851	25.4	26	-F		C	1234	60		E	Y5
	26	1551	1611	NO FLARE PATROL														
576 BIGB	26	1638	1639	1655	S31	W31	.609	15838	24.4	17	-N	1	C	1639	30	.5	E	Y5
577 PALE	26	1735	1739	1751	S25	E63	.887	15850	3.5	16	-N	3	C		26		DE	Y5
578 PALE	26	1800	1801	1824	S25	E63	.887	15850	3.5	24	-N	3	C		35		DE	Y5
GRP72579	26	1850+3	1852+1	1909	N07	E87	.999	15855	2.3	19	-F							
MCMA	26	1850E	1852	1857	N09	E90	1.000	15855	5.5	70	-F		C	1852				
RAMY	26	1853	1853	19200	N05	E84	.996	15855	5.1	270	-F	3	C					
GRP72580	26	1900+8	1906+4	1918	S23	E68	.920	15850	.9	18	-N				30		E	
BIGB	26	1900	1923	1928	S13	E70	.933	15850	4.0	28	-N	2	C	1923	10			
RAMY	26	1903	1906	1919	S27	E68	.922	15850	3.9	16	-B	3	C		20			
MCMA	26	1905	1910	1915	S23	E68	.920	15850	3.9	10	-N		C	1910	50	1.4	E	
PALE	26	1908	1909	1916	S24	E67	.914	15850	3.8	8	-N	3	C		22		DE	
GRP72581	26	1923+2	1924+2	1935	S24	E68	.921	15850	.9	12	-N				50		E	
MCMA	26	1923	1925	1933	S23	E68	.920	15850	3.9	10	-N		C	1925	50	1.4	E	
BIGB	26	1923	1924	1937	S23	E69	.927	15850	4.0	14	1N	2	C	1924	130			
RAMY	26	1924	1926	1937	S27	E68	.922	15850	3.9	13	-3	3	C		55			
PALE	26	1925	1926	1929	S25	E63	.887	15850	3.5	4	-N	3	C		30		DE	
582 BIGB	26	1941	1942	1957	N07	E90	1.000	15855	5.6	16	-N	3	C	1942	40			Y5

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq Deg.
					LAT.	MER. DIST.											
GRP72583	26	1955+9	2013+5	2046	S26	E67	.915	15850	.9	51	-N						
BIGB	26	1955	2018	2046	S25	E68	.921	15850	3.9	51	1N	* C	2018	150			
RAMY	26	2011	2013	2015	S27	E67	.916	15850	3.9	4	-N	* C		13			
RAMY	26	2025	2028	20320	S27	E66	.909	15850	3.8	70	-N	* C		13			
GRP72584	26	2000+1	2002+1	2009	S21	E42	.680	15849	99.0	9	-N			20	.3	D	
BIGB	26	2000	2003	2007	S21	E42	.680	15849	2.0	7	-N	3 C	2003	20	.3		
HUAN	26	2000		2010	S19	E42	.675	15849	2.3	10	-F	P	2002	15	.2	D	
RAMY	26	2001	2002	2009	S22	E40	.660	15849	1.8	8	-N	3 C		34			
GRP72585	26	2029+1	2031	2033D	S20	E40	.654	15849	98.9	4	-F			35	.5	D	
HUAN	26	2029E		2033D	S19	E42	.675	15849	2.0	40	-F	P	2032	20	.2	D	
RAMY	26	2030	2031	20320	S22	E38	.636	15849	1.7	20	-N	3 C		49			
586	BIGB	26	2056	2100	2111	N11	E38	.666	15847	1.7	15	-N	2 C	2100	140	1.8	G Y5
587	BIGB	26	2109	2125	2125D	S25	E68	.921	15850	4.0	160	?N	3 C	2125	130		Y5
			IMP.1	NO	CULG												
588	HOLL	26	2201E	2205U	2238	S23	E83	.987	15856	5.1	370	-N	2 C				Y5
589	HOLL	26	2242	2246	2254	S23	E65	.901	15850	3.8	12	-N	2 C				Y5
590	HOLL	26	2309	2311	2326	S23	E65	.901	15850	3.8	17	-N	2 C				Y5
591	HOLL	26	2333	2333	2338	S23	E65	.901	15850	3.9	5	-N	2 C				Y5
592	CULG	27	0205	0209	0220	N33	E13	.670		28.1	15	-F	C	0209	20	.3	Y5
593	CULG	27	0336	0339	0407	S12	W60	.859	15834	22.7	31	-F	C	0339	60	1.2	Y5
594	CULG	27	0419	0421	0433	N10	E33	.603	15847	1.7	14	-F	C	0421	30	.4	Y5
595	CULG	27	0553	0603	0632	N12	E33	.616	15847	1.7	39	-N	C	0603	100	1.3	F Y5
596	CULG	27	0626	0627	0633	S26	W33	.596	15838	24.8	7	-F	C	0627	30	.4	Y5
597	ZURI	27	0901	0907	0913	N09	E90	1.000	15855	6.1	12	?F	C	0907	200		Y5
			IMP.1	NO	MONT	ABST											
GRP72598	27	1042+1	1043+6	1058	N18	W90	1.001	15830	20.7	16	1N						
KANZ	27	1042	1049	1104	N18	W90	1.001	15830	20.7	22	1N	2					
ZURI	27	1043	1043	1051	N18	W90	1.001	15830	20.7	8	1N	P	1043	80			
GRP72599	27	1535+1	1537+1	1541	S21	E86	.994	15856	3.1	6	-N						D
RAMY	27	1535	1538	1541	S22	E85	.992	15856	6.0	6	-N	3 C		20			
MCMA	27	1536	1537	1540	S20	E88	.997	15856	6.2	4	-N	C	1537				
GRP72600	27	1632+3	1635+5	1703	S34	W32	.641	15851	25.3	31	-B			40	.5	F	
MCMA	27	1632	1635	1705	S32	W32	.626	15851	25.3	33	-N	* C	1635	40	.5	E	
RAMY	27	1634	1637	1703	S36	W34	.674	15851	25.1	29	-B	* C		112		F	
HOLL	27	1635	1640	1647	S34	W32	.641	15851	25.3	12	-B	* C		26		F	
GRP72601	27	1634+0	1635+0	1644	S18	W06	.213	15852	27.2	10	-N			35	.4	D	
RAMY	27	1634	1635	1644	S20	W06	.243	15852	27.2	10	-N	3 C		44			
MCMA	27	1634	1635	1644	S17	W07	.207	15852	27.2	10	-N	C	1635	25	.3	D	
GRP72602	27	1834+0	1834+0	1841	S20	W07	.250	15852	27.2	7	-N			50	.5	F	
RAMY	27	1834	1834	1843	S20	W07	.250	15852	27.2	9	-N	3 C		51			
HOLL	27	1834	1834	1839	S20	W07	.250	15852	27.2	5	-N	3 C		48		F	
603	HOLL	27	1908	1908	1912	N36	W19	.728	15840	26.4	4	-N	3 C		22		Y5
GRP72604	27	2045+2	2047+0	2057	S18	W08	.231	15852	27.3	12	-N			50	.5	F	
BIGB	27	2045	2047	2058	S17	W08	.217	15852	27.3	13	-N	2 C	2047	40	.4		
HOLL	27	2047	2047	2056	S20	W08	.258	15852	27.3	9	-N	3 C		61		F	
GRP72605	27	2054	2102	2123	S18	W55	.815	15844	23.7	29	-N			90	1.6		
BIGB	27	2054	2102	2117	S18	W55	.815	15844	23.7	23	-N	2 C	2102	100	1.8		
CULG	27	2103E	2103U	2129	S18	W55	.815	15844	23.8	26D	-N	P	2103	80	1.4		
606	CULG	27	2157	2212	2241	N23	W70	.965	15837	22.7	44	-F	C	2212	20		Y5
607	HOLL	27	2243	2246	2255	S20	W09	.267	15852	27.3	12	-N	3 C		27		Y5
608	CULG	27	2245	2249	2308	N08	E74	.967	15855	5.5	23	-F	C	2249	20		Y5

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H α SOLAR FLARES

FEBRUARY 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg.	
					LAT.	MER. DIST.											
GRP72609	27	2335+0	2336+2 2345	2354	S18	W10	.251	15852	27.2	19	-N			70	.7	F	
BIGB	27	2335	2345	2353	S18	W10	.251	15852	27.2	18	-N	2	C	2345	80	.8	
CULG	27	2335	2336	0000	S18	W10	.251	15852	27.2	25	-N		C	2338	60	.6	
HOLL	27	2335	2336	2354	S20	W09	.267	15852	27.3	19	-B	2	C		80		F
610 CULG	27	2351	2353	2358	N08	E73	.963	15855	5.5	7	-F		C	2353	20		Y5
GRP72611	28	0028+0	0033+1 0034	0045	N08	E70	.948	15855	2.3	17	1B			130		F	
MITK	28	0028	0034	0042	N09	E70	.949	15855	5.3	14	1B		C	0034			
CULG	28	0028	0033	0049	N08	E72	.958	15855	5.4	21	1B		C	0033	120		T
PALE	28	0032E	0034U	0045D	N08	E63	.904	15855	4.7	130	1B	3	C		141		F
612 CULG	28	0106	0116	0143	S18	W11	.262	15852	27.2	35	-N		C	0116	90	.9	Y5
613 CULG	28	0151	0203	0215	S18	W56	.824	15844	23.9	24	-F		C	0203	40	.7	Y5
GRP72614	28	0226+2	0228+0 0228	0235	N07	E68	.935	15855	2.2	9	-N			45		F	
CULG	28	0226	0228	0237	N08	E71	.953	15855	5.4	11	-N		C	0228	50		T
PALE	28	0228	0228	0233	N06	E66	.922	15855	5.1	5	-N	3	C		37		F
615 CULG	28	0420	0428	0446	N08	E71	.953	15855	5.5	26	1N		C	0428	100		T
	28	0452	0511	NO FLARE PATROL													
616 CULG	28	0530	0536	0606	N22	W88	1.000	15837	21.6	36	-F		C	0536	30		Y5
GRP72617	28	0546	0556+1 0556	0613D	S23	E51	.782	15850	1.1	27	1F			230	3.8	GL	
CULG	28	0546	0556	0725	S23	E52	.791	15850	4.1	99	1F		C	0556	260	4.2	FL
ABST	28	0556E	0557	0613	S24	E51	.784	15850	4.1	170	1F		P	0557	200	3.2	EG
618 ABST	28	0556E	0559	0610	N08	E69	.942	15855	5.4	140	?F		P	0559	96		D
		IMP.1 NO : CULG															
619 CULG	28	0634	0702	0737	S22	E25	.474	15849	2.1	63	-F		C	0702	40	.5	Y5
GRP72620	28	0640E	0655 0655	0708	N08	E66	.924	15855	2.2	28	-N						
ATHN	28	0640E	0655	0705	N08	E66	.924	15855	5.2	250	-N	1		0655	49	1.1	
KAND	28	0656E	0656	0711	N08	E67	.938	15855	5.3	150	-N		C				
GRP72621	28	0737+1	0743 0750	0803	N08	E68	.937	15855	2.4	26	-F						
KAND	28	0737	0743	0755	N08	E67	.930	15855	5.3	18	-N		C				
CULG	28	0738	0750	0810D	N08	E69	.942	15855	5.5	320	-F		C	0750	60		T
622 ISTA	28	0741E		0745	S19	E78	.972	15856	6.2	40	-F						D
623 KAND	28	0809	0809	0826	N08	E67	.930	15855	5.4	17	-N		C				Y5
624 ABST	28	1019E	1036	1056D	S18	E46	.720	15850	3.9	370	-F		P	1036	87	1.3	D
GRP72625	28	1318+4	1321+3 1321	1344	N08	E62	.896	15855	2.2	26	-F						
RAMY	28	1318	1321	1345	N09	E62	.898	15855	5.2	27	-N	3	C		35		
ZURI	28	1322	1324	1342	N07	E63	.902	15855	5.3	20	-F		C	1324	100	2.5	
626 MCMA	28	1351E		1406	N09	E67	.932	15855	5.6	150	-F		C	1351			EH
627 HOLL	28	1611	1741	1812	S24	E42	.689	15850	3.8	121	-N	*	C		34		Y5
GRP72628	28	1611+2	1614+1 1615	1620	N08	E62	.896	15855	2.3	9	-N			20	.4		
RAMY	28	1611	1615	1620	N08	E62	.896	15855	5.3	9	-N	3	C		26		
HOLL	28	1613	1614	1620	N08	E63	.904	15855	5.4	7	-N	3	C		14		
629 HOLL	28	1628	1628	1635	S22	E70	.932	15856	5.9	7	-N	3	C		17		Y5
630 HOLL	28	1638	1651	1655	S22	E70	.932	15856	5.9	17	-N	3	C		16		Y5
631 RAMY	28	1650	1652	1656	S20	W19	.382	15852	27.3	6	-B	3	C		33		Y5
632 HOLL	28	1709	1712	1729	S22	E70	.932	15856	6.0	20	-N	3	C		18		Y5
GRP72633	28	1730+4	1735+0 1735	1739D	S22	E70	.932	15856	3.0	9	-N						
HOLL	28	1730	1735	1818	S22	E70	.932	15856	6.0	48	-B	3	C		38		
BIGB	28	1734	1735	1739	S22	E71	.938	15856	6.1	5	-N	3	C	1735	10		
634 HOLL	28	1837	1840	1855	S22	E69	.926	15856	6.0	18	-N	3	C		17		Y5

H α SOLAR FLARES

FEBRUARY 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	MCNATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq Deg
					LAT.	MER. DIST										
635 CULG	28	2325	2335	2347	N08	E57	.856	15855	5.3	22	-F	C	2335	40	.8	Y5

Peking H α Solar Flares for February 1979 (Received too late for Inclusion in Group Reports)

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS	
	DAY	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	MCNATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq. Deg
					LAT.	MER. DIST										
PEKG	05	0125E	0130	0200	N09	W17	.388	15802	3.8	350	1N	P	0130	335	83.3	F
PEKG	05	0637	0640D	0659	S20	E49	.760		9.0	22	SB	P	0640	126	97.0	E
PEKG	06	0440	0456	0530	N16	E36	.670	15807	8.9	50	1N	C	0456	210	39.0	F
PEKG	06	0510	0520	0535	N16	E32	.626		8.6	25	SN	P	0520	63	40.0	E
PEKG	07	0352	0354	0410	S21	E27	.499	15812	9.2	18	1B	C	0354	210	22.3	E
PEKG	08	0201	0209	0300	S21	E14	.340	15812	9.1	59	1B	C	0209	252	34.0	ZF
PEKG	08	0232	0244	0340	S20	E15	.340	15812	9.2	68	1N	C	0244	378	03.0	FZ
PEKG	08	0333	0335	0340	N13	E17	.435		9.4	7	SF	P	0335	63	35.0	D
PEKG	08	0345D	0415E	0430	N15	E09	.395		8.8	450	SN	C	0415	84	46.0	E
PEKG	08	0640E	0706	0800D	N12	E16	.413	15807	9.5	800	1B	C	0706	294	61.3	FZ
PEKG	09	0200	0245	0350	N13	E05	.345		9.5	110	SN	C	0245	105	56.0	D
PEKG	09	0734	0748	0804	N12	W05	.329	15807	8.9	30	1N	C	0748	210	11.3	F
PEKG	09	0754	0800	0804D	N13	W06	.349	15807	8.9	100	1B	C	0800	420	24.0	F
PEKG	10	0212	0214	0220	N18	W19	.514		8.7	8	SN	C	0214	84	48.0	E
PEKG	10	0320	0325	0330	N16	W14	.446		9.1	10	SN	P	0325	84	47.3	E
PEKG	10	0747	0803	0920	N18	W18	.505		9.0	93	SN	C	0803	126	73.3	F
PEKG	12	0129E	0145	0320	N17	W38	.700	15807	9.2	1110	2B	P	0150	421	95.0	F
PEKG	12	0214	0215	0240	S34	E26	.593		14.0	26	SN	P	0215	84	52.0	D
PEKG	12	0550	0555	0559	N15	E38	.688		15.1	9	SN	P	0555	126	87.3	E
PEKG	13	0150	0156	0205	S35	E17	.534		14.4	15	SN	C	0156	84	49.3	E
PEKG	13	0224E	0225	0235	S35	E15	.522		14.2	110	SN	C	0225	63	36.3	E
PEKG	13	0445	0452	0504	S35	E12	.505		14.1	19	SB	C	0452	105	61.3	E
PEKG	13	0740E	0740	0800	S36	E10	.513		14.1	200	SB	P	0740	126	73.3	E
PEKG	13	0743	0745	0756	N15	W58	.878		9.0	13	SN	C	0745	84	86.0	E
PEKG	14	0105	0111	0116	N17	E80	.991		20.0	11	SB	C	0111	63		D
PEKG	14	0135	0138	0142	N18	E47	.794		17.6	7	SN	C	0138	42	35.0	D
PEKG	14	0640	0645	0700	N15	W71	.959		9.0	20	SF	P	0645	42		D
PEKG	15	0140	0145	0155	N17	E33	.648		17.5	15	SF	P	0145	42	27.0	D
PEKG	15	0240	0245	0300	N16	E67	.940		20.1	20	SN	P	0245	84		E
PEKG	17	0005D	0030	0102	N19	E08	.455	15828	17.6	570	1N	C	0030	252	41.3	F
PEKG	17	0129	0136	0155	N18	E07	.436		17.6	26	SB	C	0136	168	94.3	E
PEKG	17	0213	0216	0220	N18	E05	.429		17.5	7	SF	C	0216	42	23.3	E
PEKG	17	0225	0239	0334	N18	E05	.429	15828	17.5	69	1B	C	0239	505	78.0	FZ
PEKG	17	0256	0259	0306	N18	E37	.697		19.9	10	SN	C	0259	71	50.3	F
PEKG	17	0305E	0305	0305D	S24	W19	.422		15.7		SF	P	0305	34	19.0	D
PEKG	17	0405	0415	0428	N18	E06	.432		17.6	23	SN	C	0415	126	70.3	E
PEKG	17	0434	0439	0445	N18	E05	.429		17.6	11	SF	C	0439	46	25.0	E
PEKG	17	0533	0537	0600	N18	E05	.429		17.6	27	SN	C	0537	126	70.3	E
PEKG	17	0615	0624	0635	N19	E05	.444		17.6	20	SN	P	0624	42	23.0	D
PEKG	17	0644	0647	0658	N18	E05	.429		17.7	14	SN	C	0647	105	58.0	E
PEKG	17	0703	0707	0714	N19	E05	.444		17.7	11	SN	C	0707	63	35.0	E
PEKG	17	0805	0808	0822	N18	E04	.426		17.6	17	SF	P	0808	130	72.3	ET
PEKG	17	0810	0814	0824	N15	E34	.645		19.9	14	SB	C	0814	126	80.3	E
PEKG	18	0050	0054	0115	N17	E23	.545		19.8	25	SF	P	0054	126	76.3	E
PEKG	18	0143	0146	0150	N19	W07	.452		17.5	7	SN	C	0146	84	47.0	E
PEKG	18	0210	0213	0235	N17	E26	.575		20.0	25	SF	C	0213	84	51.3	E
PEKG	18	0240	0243	0250	N18	E21	.536		19.7	10	SN	C	0243	168	98.0	E
PEKG	18	0432	0435	0440	N18	E25	.575		20.1	8	SF	P	0435	42	25.3	D
PEKG	18	0640	0648	0712	N19	E17	.513	15830	19.6	32	1B	C	0648	294	72.3	F
PEKG	19	0056E	0058	0100	N17	E11	.444		19.9	40	SF	C	0058	84	47.0	E
PEKG	19	0056E	0059	0112	N15	W20	.494		17.5	160	SN	C	0058	126	73.0	E
PEKG	19	0149	0152	0156	N18	W20	.528		17.6	7	SF	C	0152	50	30.0	E
PEKG	19	0348	0355	0407	N19	W21	.548		17.6	19	SN	P	0355	84	50.0	E
PEKG	19	0423	0425	0450	N19	W21	.548		17.6	27	SN	P	0425	105	62.3	E
PEKG	20	0428	0429	0431	N18	W11	.458		19.4	3	SF	C	0429	42	23.3	F
PEKG	20	0444	0450	0456D	N18	W08	.442	15830	19.6	12D	1N	C	0450	210	18.0	F
PEKG	20	0459	0504	0512	N17	W07	.422	15830	19.7	13	1B	C	0504	336	86.0	FU
PEKG	20	0528	0530	0532	N11	W42	.713		17.1	4	SF	C	0530	34	23.6	E
PEKG	20	0600	0601	0613	N18	W38	.708		17.4	13	SF	C	0601	46	32.0	E

H α SOLAR FLARES

FEBRUARY 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS		MEASUREMENTS			REMARKS
	DAY	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA MIH. of Disk	CORR. AREA Sq. Deg.	
					LAT.	MER. DIST.											
PEKG	20	0630	0631	0644	N17	W12	.451		19.4	14	SN	P	0631	126	71.0	E	
PEKG	24	0015	0020	0021D	N15	W55	.856		19.9	60	SN	P	0020	34	32.0	E	
PEKG	24	0100	0103	0105	N14	W51	.818		20.2	5	SF	P	0103	21	18.0	D	
PEKG	25	0643	0656	0724	S20	E61	.869	15849	1.9	41	23	P	0702	420	30.0	FU	
PEKG	26	0305D	0310	0312	S25	E78	.971		4.0	70	SN	P	0310	50		E	
PEKG	26	0342	0350	0409	S32	W12	.458		25.3	27	SF	C	0350	126	71.0	E	
PEKG	26	0552	0612	0622	S19	E48	.744		1.8	30	SF	P	0612	84	62.0	E	
PEKG	27	0601E	0602	0610	N12	E31	.592		1.6	90	SF	P	0602	126	78.0	E	
PEKG	27	2345E	2345	2347	S18	W10	.251		27.2	20	SN	P	2345	84	44.0	E	
PEKG	28	0025	0035	0042	NJ9	E70	.949	15855	5.3	17	18	C	0035	168		E	
PEKG	28	0405	0427	0441	N08	E69	.942	15855	5.3	36	1N	C	0427	135		E	
PEKG	28	0647	0656	0735	N07	E67	.929		5.3	18	SN	C	0656	63		E	
PEKG	28	0738	0739	0740	S20	E80	.979		6.3	2	SF	P	0739	29		D	

Editor's Note: Peking Observatory data, though received too late for complete data processing, are included here as a supplemental list to the grouped flare data. These Peking data present additional valuable information on solar flare occurrences.

- A = Eruptive prominence whose base is less than 90° from central meridian.
- B = Probably the end of a more important flare.
- C = Invisible 10 minutes before.
- D = Brilliant point.
- E = Two or more brilliant points.
- F = Several eruptive centers.
- G = No visible spots in the neighborhood.
- H = Flare accompanied by a high speed dark filament.
- I = Active region very extended.
- J = Distinct variations of plage intensity before or after the flare.
- K = Several intensity maxima.
- L = Existing filaments show signs of sudden activity.
- M = White-light flare.
- N = Continuous spectrum shows effects of polarization.
- O = Observations have been made in the calcium II lines H and K.
- P = Flare shows helium D₃ in emission.
- Q = Flare shows the Balmer continuum in emission.
- R = Marked asymmetry in H α line suggests ejection of high velocity material.
- S = Brightness follows disappearance of filament (same position).
- T = Region active all day.
- U = Two bright branches, parallel (||) or converging (Y).
- V = Occurrence of an explosive phase: important and abrupt expansion in about a minute with or without important intensity increase.
- W = Great increase in area after time of maximum intensity.
- X = Unusually wide H α line.
- Y = System of loop-type prominences.
- Z = Major sunspot umbra covered by flare.

FEBRUARY 1979			DAILY FLARE INDICES			Includes all Flares		
Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.
790201	583.14	22.1	790211	267.79	23.9	790224	39.60	24.0
790202	241.80	17.1	790212	181.98	22.3	790225	59.15	23.0
790203	61.58	20.2	790213	110.31	22.2	790226	51.52	23.7
790204	83.98	23.8	790214	52.00	23.8	790227	37.80	24.0
790205	331.78	22.6	790215	75.82	20.4	790228	72.11	23.7
790206	122.23	24.0	790216	522.29	22.4	790221	89.16	22.7
790207	113.93	22.5	790217	289.92	23.0	790222	238.87	22.6
790208	485.57	23.4	790218	288.50	24.0	790223	99.79	22.1
790209	686.32	22.6	790219	249.14	19.9			
790210	93.90	23.5	790220	252.50	22.2			

When no Flare Index is given, it is 0 for that day.